

NOTICE OF REGULAR MEETING
OF THE
CHICKASHA CITY COUNCIL

In compliance with Title 25, Oklahoma Statutes, Section 301-314, the Oklahoma Open Meeting Act, including the posting of notice and agenda, be advised that the Chickasha City Council, Chickasha Municipal Authority, and Chickasha Municipal Airport Authority of the City of Chickasha, Oklahoma, will conduct a **REGULAR MEETING ON MONDAY, JANUARY 3, 2022, AT 6:30 PM.** Said meeting will be held in the Council Chambers, City Hall, 117 North 4th Street, Chickasha, Oklahoma.

The City of Chickasha encourages participation from all its citizens. If participation is not possible due to a disability, notification to the City Clerk at least 48 hours prior to the scheduled meeting is encouraged to make the necessary accommodations. The City may waive the 48-hour rule if signing is not the necessary accommodation.

All items on this agenda, including but not limited to any agenda item concerning the adoption of any ordinance, resolution, contract, agreement, or any other item of business, are subject to amendment, including additions and/or deletions. This rule will apply to every individual agenda item without exception, and without providing this same amendment language with respect to each individual agenda item. Such amendments should be rationally related to the topic of the agenda item, or the governing body will be advised to continue the item.

The governing body may adopt, approve, ratify, deny, defer, recommend, amend, strike, or continue any agenda item. When more information is needed to act on an item, the governing body may refer the matter to its City/Trust Manager, staff, attorney or to the recommending board, commission or committee.

Agenda items are attached.

I, Susan M. McDaniel, City Clerk, posted this Agenda on the official City of Chickasha bulletin board in the Municipal Building, 117 North 4th Street Chickasha, OK, 73018, which is accessible to the public twenty-four hours each day at 4:30 p.m. pm on Wednesday, December 29, 2021.

Susan M. McDaniel

Susan McDaniel

Sworn to and subscribed before me on this 29th day of December, 2021.

My Commission Expires: 10-1-2022



Tracey Lynn Austin
Notary Commission
14008829

Notary Public, State of Oklahoma

CHICKASHA CITY COUNCIL

AGENDA

LOCATION OF MEETING

CITY HALL COUNCIL CHAMBERS

117 NORTH FOURTH STREET

CHICKASHA, OKLAHOMA 73018

TIME OF MEETING

6:30 PM

DATE OF MEETING

JANUARY 3, 2022

All items on this agenda, including but not limited to any agenda item concerning the adoption of any ordinance, resolution, contract, agreement, or any other item of business, are subject to amendment, including additions and/or deletions. This rule will apply to every individual agenda item without exception, and without providing this same amendment language with respect to each individual agenda item. Such amendments should be rationally related to the topic of the agenda item, or the governing body will be advised to continue the item.

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- 1. Call to Order / Roll Call / Opening Prayer / Pledge of Allegiance.**
- 2. Citizen Comments.**
- 3. Council Communications.**
 - a. Presentation of Retirement Watch to Scott Weaver, Chickasha Police Department
- 4. Consent Docket:**
 - a. Acceptance of the Minutes of the December 6, 2021 regular meeting.

- b. Acceptance of the Claims List.
- c. Acceptance of the Financials for November, 2021

5. Discussion/Approval of Items Removed from Consent Docket:

6. Discussion and Consideration

- a. Discussion, consideration and possible action to appoint a registered voter residing in Ward 2 to fill the vacancy created by Clark VanDyck's resignation until the expiration of the current term in April 2022.
- b. Public Hearing - to discuss and consider the approval for the Final Plat of Sleepy Hollow 3rd Additional Phase 3
- c. Discussion, consideration and possible action to approve the Final Plat for Sleepy Hollow 3rd Addition Phase 3
- d. Discussion, consideration and possible action to surplus a 2010 Ford Crown Victoria patrol vehicle and authorize the City Manager to dispose of as appropriate.
- e. Discussion, consideration and possible action to award bid COC-2105 Chickasha Sports Complex Field Leveling and Repair to United Turf & Track in an amount not to exceed \$93,780.00 contingent upon approved funding from Chickasha Industrial Authority.
- f. Discussion, consideration and possible action on a tort claim filed by Dolores Campbell.
- g. Discussion, consideration and possible action to approve Ordinance 2022-01 - Amending Chapter 2, Administration, Article VI-Finance, Division 2, Purchase Policy and Procedures to change the small purchase amount to \$1,000.00.
- h. Discussion, consideration, and possible action to pass the Emergency Clause of Ordinance 2022-01.
- i. Discussion, consideration and possible action to enter into a Contract with Hillary Communications for Broadband Internet and authorize the Mayor to execute the same.

7. Motion to Adjourn.



City of
CHICKASHA

Meeting Type: 1/3/2022 6:30 PM, City Council Meeting

Meeting Date: 1/3/2022

Department: City Clerk

Agenda Item No. 3.a.

AGENDA ITEM: Presentation of Retirement Watch to Scott Weaver, Chickasha Police Department

I. BACKGROUND/DESCRIPTION:

Scott Weaver began his career with the City of Chickasha in September of 1996 as a Police Officer. Scott was promoted to Sergeant in February of 2007 and Lieutenant in 2014.

Thank you, Scott, for your service to the Citizens of the City of Chickasha. Enjoy your retirement!

II. RECOMMENDED ACTION:

III. FISCAL INFORMATION -

IV. FUND INFORMATION:

Dept. Director: Susan M. McDaniel, City Clerk	Fund	Account	Amount
	(To)		
	FUND	ACCOUNT	AMOUNT
Meeting Date: January 3, 2022	(From)		

V. ATTACHMENTS:



City of
CHICKASHA

Meeting Type: 1/3/2022 6:30 PM, City Council Meeting

Meeting Date: 1/3/2022

Department: City Clerk

Agenda Item No. 4.a.

AGENDA ITEM: Acceptance of the Minutes of the December 6, 2021 regular meeting.

I. BACKGROUND/DESCRIPTION:

II. RECOMMENDED ACTION:

Accept the Minutes of the December 6, 2021 regular meeting.

III. FISCAL INFORMATION -

IV. FUND INFORMATION:

Dept. Director: Susan M. McDaniel, City Clerk	Fund	Account	Amount
	(To)		
	FUND	ACCOUNT	AMOUNT
Meeting Date: January 3, 2022	(From)		

V. ATTACHMENTS:

1. City 12-6-2021

December 6, 2021

The **REGULAR** meeting of the **CHICKASHA CITY COUNCIL** was held in the council chambers in city hall on the 6th day of December 2021 as specified by advance public notice with a properly prepared agenda stating the subject matter or matters to be discussed at said meeting. Mayor Mosley called the meeting to order at 6:30 p.m.

ITEM 1. **Call to Order / Roll Call / Opening Prayer / Pledge of Allegiance**

MAYOR AND COUNCIL

PRESENT: Chris Mosley, Mayor
 Zachary Grayson, Vice-Mayor
 Kelly Boyd
 Oscar Nelson
 Brian Gerdes
 Georgianne Hebblethwaite
 R. P. Ashanti-Alexander

ABSENT: David Sikes

STAFF

PRESENT: Tyler Brooks, City Manager
 Amanda Mullins, City Attorney
 Susan M. McDaniel, City Clerk
 K. D. Rowell, Police Chief
 Tony Samaniego, Fire Chief
 Cindy Rogers, Finance Director
 Lillie Huckaby, Library Director
 Rachel Bernish, Community Development Director
 Shae Mortimer, Marketing & Civic Engagement Manager

ITEM 1. **Call to Order/Roll Call/Opening Prayer/Pledge of Allegiance:**

Council Member Ashanti-Alexander gave the invocation and Council Member Grayson lead the Pledge of Allegiance.

ITEM 2. **Citizen Comments:**

City Council Meeting December 6, 2021
6:30 p.m.

(City Council Rules and Regulations limit visitor comments to a maximum of three minutes.)

ITEM 3. **Council Communications.**

ITEM 3a. **Presentation by Jim Cowan, Chickasha Economic Development Council, with a 2021 update.**

ITEM 4. **Consent Docket: ITEM 4a through ITEM 4c.**

ITEM 4a. **Acceptance of the Minutes of the November 15, 2021 Regular Meeting.**

ITEM 4b. **Acceptance of Claims List.**

ITEM 4c. **Acceptance of Resolution 2021-24R amending the FY 21-22 Budget.**

*Motion by Council Member Ashanti-Alexander, second by Council Member Grayson to approve the Consent Docket: ITEM 4a thru Item 4c.

Roll call vote:

Ayes:” Nelson, Boyd, Ashanti-Alexander, Grayson, Gerdes, Hebblethwaite, and Mosley

“Nays:” None

“Abstain:” None.

Motion carried. 7-0

ITEM 5. **Discussion/Approval of Items Removed from Consent Docket:**

No Action Taken.

ITEM 6. **Discussion and Consideration Items:**

ITEM6a. **Discussion, consideration, and possible action to approve the veterinary service contract with Verden Veterinary Clinic and authorize the Mayor and City Clerk to execute the same.**

*Motion by Council Member Ashanti-Alexander and second by Council Member Gerdes to approve the contract with Verden Veterinary Clinic and allow the Mayor to execute the document.

Roll call vote:

“Ayes:” Grayson, Nelson, Hebblethwaite, Gerdes, Ashanti-Alexander, Boyd and Mosley.

“Nays:” None.

“Abstain:” None.

Motion passed. 7-0

City Council Meeting December 6, 2021
6:30 p.m.

ITEM 6b. Public Hearing to discuss and consider the Special Use Permit for a Cell Phone Tower at 520 S. 8th Street for Applicant Branch Communications.

Public Hearing opened at 6:57 p.m.

David Box, Attorney, Oklahoma City, OK – representing tower project.

Cole Talbot, presenting tower project

Troy Williams, -representing tower project.

Josh Farmer, attorney, representing the surrounding property owners.

Public Hearing closed at 7:47 p.m.

ITEM 6c. Discussion, consideration, and possible action to approve the Special Use Permit for 520 S. 8th Street for a Cell Phone Tower for Applicant Branch Communications.

*Motion by Council Member Grayson and second by Council Member Hebblethwaite to approve the Special Use Permit for 520 S. 8th Street for a Cell Phone Tower for Applicant Branch Communications.

Roll call vote:

“Ayes:” Boyd, Grayson, Hebblethwaite, Gerdes and Mosley.

“Nays:” Nelson and Ashanti-Alexander.

“Abstain:” None.

Motion passed. 5-2

ITEM 6d. Discussion, consideration, and possible action to approve the surplus of outdated radio equipment and authorize staff to dispose of as deemed appropriate.

*Motion by Council Member Ashanti-Alexander and second by Council Member Hebblethwaite to approve the surplus of outdated radio equipment and authorize staff to donate to the Grady County Emergency Management for County Fire Department use.

Roll call vote:

“Ayes:” Boyd, Grayson, Nelson, Hebblethwaite, Ashanti-Alexander, Gerdes, and Mosley.

“Nays:” None.

“Abstain:” None.

Motion passed. 7-0

City Council Meeting December 6, 2021
6:30 p.m.

ITEM 6e. Discussion, consideration, and possible action to award bid COC-2104 Chickasha Sports Complex Sidewalk Lighting to ETI.

*Motion by Council Member Hebblethwaite and second by Council Member Nelson to award bid COC-2104 Chickasha Sports Complex Sidewalk Lighting to ETI in an amount not to exceed \$20,343.00.

Roll call vote:

“Ayes:” Boyd, Grayson, Ashanti-Alexander, Nelson, Hebblethwaite, Gerdes, and Mosley.

“Nays:” None..

“Abstain:” None.

Motion passed. 7-0

ITEM 6f. Public Hearing to discuss and consider Final Plat of Sleepy Hollow 3rd Addition Phase 3.

Public Hearing opened at 7:58 p.m.

Jason Spencer, Crafton & Tull – spoke regarding the proposed final plat.

Torry Wise, Chickasha, OK – spoke regarding the Master Drainage Plan

Public Hearing closed 8:15 p.m.

ITEM 6g. Discussion, consideration, and possible action to approve the Final Plat for Sleepy Hollow 3rd Addition Phase 3.

*Motion by Council Member Gerdes and second by Council Member Grayson to table the item.

Roll call vote:

“Ayes:” Boyd, Nelson, Grayson, Hebblethwaite, Gerdes, Ashanti-Alexander and Mosley.

“Nays:” None.

“Abstain:” None.

Motion passed. 7-0

ITEM 6h. Discussion, consideration, and possible action to approve Resolution 2021-22 and authorize the Mayor to issue the Election Proclamation – A Resolution of the Mayor and Council of the City of Chickasha, Grady County, State of

Oklahoma, calling for a Non-Partisan Regular Election for the purposes of electing officers of the City of Chickasha, setting a date for said election, setting the filing period for the purpose of allowing qualified candidates to file a declaration of candidacy, setting forth the qualifications for office, setting a final presentment to the county election board, and setting a final date for publication.

*Motion by Council Member Nelson and second by Council Member Hebblethwaite to approve Resolution 2021-22 and authorize the Mayor to issue the Election Proclamation – A Resolution of the Mayor and Council of the City of Chickasha, Grady County, State of Oklahoma, calling for a Non-Partisan Regular Election for the purposes of electing officers of the City of Chickasha, setting a date for said election, setting the filing period for the purpose of allowing qualified candidates to file a declaration of candidacy, setting forth the qualifications for office, setting a final presentment to the county election board, and setting a final date for publication.

Roll call vote:

“Ayes:” Boyd, Nelson, Grayson, Hebblethwaite, Gerdes, Ashanti-Alexander and Mosley.

“Nays:” None.

“Abstain:” None.

Motion passed. 7-0

ITEM 6i. Discussion, consideration, and possible action to make an appointment to the Chickasha Industrial Authority.

*Motion by Council Member Ashanti-Alexander and second by Council Member Grayson to appoint Brian Gerdes to the Chickasha Industrial Authority.

Roll call vote:

“Ayes:” Boyd, Nelson, Grayson, Hebblethwaite, Ashanti-Alexander and Mosley.

“Nays:” None.

“Abstain:” Gerdes.

Motion passed. 6-0-1

ITEM 6j. Discussion, consideration, and possible action to approve pay application #2 in the amount of \$18,568.32 to Bordwine Development for work completed on Badgett Dog Park.

*Motion by Council Member Ashanti-Alexander and second by Council Member Grayson to approve the pay application #2 in the amount of \$18,568.32 to Bordwine Development for work completed on Badgett Dog Park.

City Council Meeting December 6, 2021

6:30 p.m.

Roll call vote:

“Ayes:” Boyd, Nelson, Grayson, Hebblethwaite, Gerdes, Ashanti-Alexander and Mosley.

“Nays:” None.

“Abstain:” None.

Motion passed. 7-0

Council Meeting recessed to enter into the CMA and CMAA meetings at 8:23 p.m.

Reconvene Council Meeting at 8:25 p.m.

Roll Call:

Boyd - Present

Nelson - Present

Hebblethwaite - Present

Grayson - Present

Ashanti-Alexander - Present

Gerdes - Present

Mosley - Present

ITEM 7.

Executive Session:

ITEM 7a.

Discussion, consideration, and possible action to enter into Executive Session to discuss confidential communications between the City and City’s Attorney concerning a pending investigation, claim or action which the City with the advice of the City’s Attorneys, has determined that disclosure will seriously impair the ability of the City to process the claim or conduct the pending investigation, litigation, or proceeding in the public interest in compliance with its duty of confidentiality under the provisions of 25 O.S. Section 307(B)(4). (Economic Development Agreement and Sales Tax Rebate Agreement with Chisholm Trail Development, LLC).

*Motion by Council Member Hebblethwaite and second by Council Member Grayson to enter into Executive Session.

Roll call vote:

“Ayes:” Boyd, Nelson, Grayson, Hebblethwaite, Gerdes, Ashanti-Alexander and Mosley.

“Nays:” None.

“Abstain:” None.

Motion passed. 7-0

City Council Meeting December 6, 2021
6:30 p.m.

Entered into Executive Session at 8:26 p.m.

Executive Session Reconvened at 7:22 p.m.

Roll Call:

Boyd -	Present
Nelson -	Present
Hebblethwaite -	Present
Grayson -	Present
Ashanti-Alexander -	Present
Gerdes -	Present
Mosley -	Present

ITEM 7b. Discussion, consideration, and possible action to reconvene open session and take appropriate action on any matter discussed in Executive Session.

*No Action Taken.

ITEM 8. Adjournment:

Motion by Council Member Ashanti-Alexander and second by Council Member Grayson to adjourn the meeting.

Meeting adjourned.

TIME: 9:20 P.M.

Approved this 3rd day of January 2022.

Chris Mosley, Mayor

ATTEST:

Susan M. McDaniel, City Clerk



City of
CHICKASHA

Meeting Type: 1/3/2022 6:30 PM, City Council Meeting

Meeting Date: 1/3/2022

Department: Finance

Agenda Item No. 4.b.

AGENDA ITEM: Acceptance of the Claims List.

I. BACKGROUND/DESCRIPTION:

II. RECOMMENDED ACTION:

Accept the Claims List.

III. FISCAL INFORMATION -

IV. FUND INFORMATION:

Dept. Director: Cindy Rogers, Finance Director	Fund	Account	Amount
	(To)		
	FUND	ACCOUNT	AMOUNT
Meeting Date: January 3, 2022	(From)		

V. ATTACHMENTS:

1. 1-3-22 COUNCIL REPORT REDACTED

DEPARTMENT	FUND	VENDOR NAME	DESCRIPTION	AMOUNT
NON-DEPARTMENTAL	GENERAL FUND	MISC ONE-TIME V CODY TURPIN	DEPOSIT REFUND	165.00
			TOTAL:	165.00
ADMINISTRATION	GENERAL FUND	OMCTFOA CITY OF CHICKASHA	OMCTFOA DUES - 2022	50.00
			DELTA DENTAL/FAMILY	101.88
			BUY-UP/EE & FAMILY	1,281.60
		OKLAHOMA MUNICIPAL RETIRE	OMRF2	726.92
			OMRF2	726.92
			OMRF	276.34
		TRANSFER ACCOUNT	OMRF	229.44
			FICA	467.24
			FICA	454.74
		OPTIONS COUNSELING SERVICE, INC. STAPLES BUSINESS CREDIT	MEDICARE	109.27
			MEDICARE	106.35
			EMPLOYEE ASSIS	330.00
			PAPER, SECURITY MIRROR,	155.37
			TOTAL:	5,016.07
FIRE ADMINISTRATION	GENERAL FUND	VERIZON WIRELESS	FIRE	120.03
			ACCT: 4564	767.37
			FIRE PSO	54.21
		AT&T MOBILITY	DELTA DENTAL/FAMILY	50.94
			DELTA DENTAL/SINGLE	15.10
			BUY-UP/EMPLOYEE ONLY	192.40
		PUBLIC SERVICE COMPANY OF OKLAHOMA	BUY-UP/EE & FAMILY	640.80
			FIRE PENSION	433.01
			FIRE PENSION	433.01
		CITY OF CHICKASHA	OMRF	103.30
			OMRF	97.26
		OKLAHOMA FIREFIGHTERS	FIRE	734.49
			ACCT 40510300170628	190.49
		OKLAHOMA MUNICIPAL RETIRE	FICA	59.16
			FICA	56.31
		CENTERPOINT ENERGY	MEDICARE	55.97
			MEDICARE	58.02
		AT&T	TOTAL:	4,061.87
		TRANSFER ACCOUNT		
POLICE ADMINISTRATION	GENERAL FUND	GRADY COUNTY LAW ENFORCEMENT CENTER	MONTHLY JAIL BILL	1,440.00
			APPLICATION FEE	25.00
			RETIREMENT PLAQUE	100.00
		CLEET	DEC 21 CLEANING SERVICE	1,082.00
			POLICE	173.53
			ADMIN ELECTRIC	73.27
		STAR TROPHY & SPORTS	DELTA DENTAL/SINGLE	30.20
			DELTA DENTAL/EE & SPOUSE	31.44
			BASE/EMPLOYEE ONLY	153.60
		SPIC & SPAN COMMERCIAL CLEANING, LLC	BASE/EE & SPOUSE	372.00
			BUY-UP/EMPLOYEE ONLY	384.80
			POLICE PENSION	400.00
		PUBLIC SERVICE COMPANY OF OKLAHOMA	POLICE PENSION	400.00
			OMRF	564.28
			OMRF	564.28
		CKENERGY ELECTRIC COOPERATIV	POLICE	68.26
			FICA	502.49
			FICA	517.44
		CITY OF CHICKASHA	MEDICARE	117.52

DEPARTMENT	FUND	VENDOR NAME	DESCRIPTION	AMOUNT
			MEDICARE	121.02
		UNIFIRST HOLDINGS, L.P.	UNIFORMS	29.92
			UNIFORMS	<u>11.78</u>
			TOTAL:	7,162.83
CEMETERY SERVICES	GENERAL FUND	OKLAHOMA ELECTRIC COOP	ACCT: 4705400700	55.16
		SMALL ENGINE SERVICE	WEEDEATERS & BLOWERS	339.99
		WYNN, JEFFREY	GRAVE OPENING & CLOSING	1,900.00
			GRAVE OPENING & CLOSING	<u>1,325.00</u>
			TOTAL:	3,620.15
HUMAN RESOURCES	GENERAL FUND	CITY OF CHICKASHA	BUY-UP/EE & CHILD(REN)	348.40
		OKLAHOMA MUNICIPAL RETIRE	OMRF	129.72
			OMRF	130.41
		TRANSFER ACCOUNT	FICA	68.51
			FICA	75.50
			MEDICARE	16.02
			MEDICARE	<u>17.66</u>
			TOTAL:	786.22
LIBRARY	GENERAL FUND	WORLD BOOK	WORLD BOOK ENCYCLOPEDIA	999.00
		PLASTICARDS, INC dba RAINBOW PRINTING	LIBRARY CARDS	760.00
		SPIC & SPAN COMMERCIAL CLEANING, LLC	DEC 2021 CLEANING SERVICE	1,665.00
		ZOOBEAN INC	BEANSTACK DATABASE	1,210.00
		WORKABLE PROGRAMS & SYSTEMS INC	LICENSES AND INSTALLATION	1,384.81
		PUBLIC SERVICE COMPANY OF OKLAHOMA	LIBRARY	526.62
		CITY OF CHICKASHA	DELTA DENTAL/SINGLE	45.30
			DELTA DENTAL/EE & SPOUSE	31.44
			BASE/EE & CHILD(REN)	278.00
			BASE/EMPLOYEE ONLY	153.60
			BUY-UP/EMPLOYEE ONLY	384.80
			BUY-UP/EE & SPOUSE	462.86
		OKLAHOMA MUNICIPAL RETIRE	OMRF	775.09
			OMRF	754.12
		TRANSFER ACCOUNT	FICA	469.73
			FICA	472.84
			MEDICARE	109.86
			MEDICARE	110.60
		INGRAM BOOK SERVICE	NOVEMBER BOOK ORDER	1,799.61
			2ND OCTOBER BOOK ORDER	<u>1,921.15</u>
			TOTAL:	14,314.43
STREET & STORM DRAINAG	GENERAL FUND	EXPRESS SERVICES INC	CONTRACT LABOR	1,246.40
			CONTRACT LABOR	2,672.68
			CONTRACT LABOR	1,456.40
			CONTRACT LABOR	3,085.91
			CONTRACT LABOR	1,196.40
			CONTRACT LABOR	3,969.20
			CONTRACT LABOR	1,486.40
			CONTRACT LABOR	3,159.27
			CONTRACT LABOR	1,033.09
			CONTRACT LABOR	2,439.39
			CONTRACT LABOR	1,096.40
			CONTRACT LABOR	2,879.28
			CONTRACT LABOR	1,066.40
			CONTRACT LABOR	3,227.56

DEPARTMENT	FUND	VENDOR NAME	DESCRIPTION	AMOUNT
			CONTRACT LABOR	906.44
			CONTRACT LABOR	2,392.74
			CONTRACT LABOR	1,079.76
			CONTRACT LABOR	4,040.20
			CONTRACT LABOR	853.12
			CONTRACT LABOR	4,079.20
			CONTRACT LABOR	926.44
			CONTRACT LABOR	3,285.93
			CONTRACT LABOR	533.20
			CONTRACT LABOR	2,999.28
		MARSHALL AUTO PARTS	15W-40 OIL	363.60
			PARTS & SUPPLIES	496.65
		PUBLIC SERVICE COMPANY OF OKLAHOMA	STREETS	13.25
			STREETS	17,335.81
		CITY OF CHICKASHA	DELTA DENTAL/FAMILY	50.94
			DELTA DENTAL/SINGLE	15.10
			DELTA DENTAL/EE & SPOUSE	31.44
			BUY-UP/EMPLOYEE ONLY	192.40
			BUY-UP/EE & FAMILY	640.80
			BUY-UP/EE & SPOUSE	462.86
		OKLAHOMA MUNICIPAL RETIRE	OMRF	458.33
			OMRF	537.71
		TRANSFER ACCOUNT	FICA	250.02
			FICA	311.29
			MEDICARE	58.47
			MEDICARE	72.80
		UNIFIRST HOLDINGS, L.P.	UNIFORMS	146.50
			UNIFORMS	73.25
		DOLESE BROS CO	CRUSHER RUN	560.00
			TOTAL:	73,182.31
FLEET MAINTENANCE	GENERAL FUND	CITY OF CHICKASHA	DELTA DENTAL/SINGLE	15.10
			BUY-UP/EMPLOYEE ONLY	192.40
		BRANDTS ACE HARDWARE	VICE GRIPS & WRENCH SET	70.96
		OKLAHOMA MUNICIPAL RETIRE	OMRF	155.07
			OMRF	160.30
		TRANSFER ACCOUNT	FICA	83.39
			FICA	92.80
			MEDICARE	19.50
			MEDICARE	21.70
			TOTAL:	811.22
ACCOUNTING SERVICES	GENERAL FUND	STANDLEY SYSTEMS	2 SMART BOARDS	9,890.00
		CITY OF CHICKASHA	DELTA DENTAL/SINGLE	45.30
			BASE/EMPLOYEE ONLY	307.20
			BUY-UP/EMPLOYEE ONLY	192.40
		OKLAHOMA MUNICIPAL RETIRE	OMRF	881.43
			OMRF	898.83
		CULLIGAN/WRIGHT WATER	NEW COOLER CY MGR	60.50
		TRANSFER ACCOUNT	FICA	513.76
			FICA	520.33
			MEDICARE	120.16
			MEDICARE	121.70
		CRAWFORD AND ASSOCIATES PC	SERVICES THRU 11-15-2021	10,288.50
			TOTAL:	23,840.11

DEPARTMENT	FUND	VENDOR NAME	DESCRIPTION	AMOUNT
COMM DEVEL/PLANNING SE	GENERAL FUND	EXPRESS STAR	PUBLIC NOTICE FEES	8.50
		CITY OF CHICKASHA	DELTA DENTAL/SINGLE	30.20
			BASE/EMPLOYEE ONLY	307.20
		OKLAHOMA MUNICIPAL RETIRE	OMRF	549.34
			OMRF	547.28
		TRANSFER ACCOUNT	FICA	325.08
			FICA	316.83
			MEDICARE	76.02
			MEDICARE	74.10
			TOTAL:	2,234.55
GENERAL GOVERNMENT	GENERAL FUND	IRON MOUNTAIN INC.	MONTHLY SHREDDING SERVICE	83.10
		CHAFFIN, MICHAEL R.	CHAFFIN, MICHAEL R.	1,800.00
		CHICKASHA CHAMBER OF COMMERCE	MEMBERSHP DUES-2022-BROOK	135.00
		EXPRESS STAR	PUBLISH RES. 2021-22R	180.36
			PUBLISH ELECTION PROCL	99.45
		STANDLEY SYSTEMS	CONTRACT 15376-01	9,352.00
			INV1304164	175.00
		QUADIENT LEASING USA, INC	INV N9158163	324.93
		AMANDA MULLINS, PLLC	CITY ATTORNEY-NOV 21	6,698.00
		NOVATIME TECHNOLOGY, INC	SI-111331	3.90
		OSBI	HR BACKGROUNDS	15.00
		MARGARET MCMORROW-LOVE	ATTNY FEES-NOV 2021	2,338.16
			TOTAL:	21,204.90
		BUILDING SERVICES	GENERAL FUND	CITY OF CHICKASHA	BUY-UP/EE & CHILD(REN)	348.40
OKLAHOMA MUNICIPAL RETIRE	OMRF			451.12
	OMRF			450.79
TRANSFER ACCOUNT	FICA			255.06
	FICA			260.97
	MEDICARE			59.65
	MEDICARE			61.04
	TOTAL:			1,887.03
FIRE OPERATIONS	GENERAL FUND	MISC ONE-TIME V KIAMICHI TECH FOR	PARAMEDIC CLASS DUES	110.00
		OKLAHOMA FIREFIGHTERS	FIRE PENSION	7,982.42
			FIRE PENSION	8,525.58
			FIRE PENSION	924.87
		TRANSFER ACCOUNT	MEDICARE	946.61
			MEDICARE	1,056.18
			MEDICARE	95.79
		IAFF LOCAL 2041 (HEALTH INS)	FIR/EECH OPTION A	1,309.20
			FIRE EE/CHILD(REN) DENTAL	62.40
			FIRE EE DENTAL	100.00
			FIRE FAMILY DENTAL	332.00
			FIRE EE/SPOUSE DENTAL	92.80
			FIR/EE OPTION A	1,069.30
			FIR/EE OPTION A	1,258.00
			FIR/EE OPTION B	231.60
			FIR/FAM OPTION A	7,977.60
			FIR/EESP OPTION A	1,470.00
			FIR/EE/CH VISION	33.60
			FIR/EE VISION	21.60
			FIR/FAM VISION	176.00
			FIR/EESP VISION	48.00
			TOTAL:	33,823.55

DEPARTMENT	FUND	VENDOR NAME	DESCRIPTION	AMOUNT
PATROL SERVICES	GENERAL FUND	AT&T	AT&T 0881	758.72
			AT&T 0881	612.27
		VERIZON WIRELESS	PATROL	1,372.10
		AT&T MOBILITY	ACCT: 4564	1,041.04
		CITY OF CHICKASHA	DELTA DENTAL/FAMILY	458.46
			DELTA DENTAL/SINGLE	30.20
			DELTA DENTAL/EE & SPOUSE	31.44
			BASE/EMPLOYEE ONLY	307.20
			BASE/EE & FAMILY	1,023.00
			BUY-UP/EE & CHILD(REN)	696.80
			BUY-UP/EE & FAMILY	4,485.60
			BUY-UP/EE & SPOUSE	462.86
		OKLAHOMA POLICE PENSION &	POLICE PENSION	5,526.14
			POLICE PENSION	5,884.06
		TRANSFER ACCOUNT	FICA	2,232.69
			FICA	3,191.18
			MEDICARE	522.16
			MEDICARE	746.31
		INTEGRIS EMPLOYEE HEALTH	PENSION BOARD PHYSICAL	550.00
		EXPRESS TIRE BRAKE & ALIG	NEW TIRES	705.60
			TOTAL:	30,637.83
INVESTIGATIONS	GENERAL FUND	CITY OF CHICKASHA	DELTA DENTAL/FAMILY	101.88
			BUY-UP/EE & CHILD(REN)	348.40
			BUY-UP/EE & FAMILY	640.80
		OKLAHOMA POLICE PENSION &	POLICE PENSION	1,132.16
			POLICE PENSION	923.67
		TRANSFER ACCOUNT	FICA	422.41
			FICA	450.14
			MEDICARE	98.79
			MEDICARE	105.28
			TOTAL:	4,223.53
ANIMAL CONTROL	GENERAL FUND	PUBLIC SERVICE COMPANY OF OKLAHOMA	ANIMAL SHELTER	231.66
			DELTA DENTAL/SINGLE	15.10
			BUY-UP/EMPLOYEE ONLY	192.40
		OKLAHOMA MUNICIPAL RETIRE	OMRF	221.31
			OMRF	188.11
		TRANSFER ACCOUNT	FICA	123.93
			FICA	108.90
			MEDICARE	28.98
			MEDICARE	25.47
		GONZALEZ PEST CONTROL	MONTHLY PEST CONTROL	50.00
			TOTAL:	1,185.86
MUNICIPAL COURT	GENERAL FUND	CITY OF CHICKASHA	DELTA DENTAL/EE & SPOUSE	31.44
			BUY-UP/EE & SPOUSE	462.86
		OKLAHOMA MUNICIPAL RETIRE	OMRF	135.16
			OMRF	135.16
		TRANSFER ACCOUNT	FICA	70.10
			FICA	78.24
			MEDICARE	16.39
			MEDICARE	18.30
			TOTAL:	947.65
DISPATCH SERVICES	GENERAL FUND	SPIC & SPAN COMMERCIAL CLEANING, LLC	DEC 2021 CLEANING SERVICE	408.70

DEPARTMENT	FUND	VENDOR NAME	DESCRIPTION	AMOUNT
		PUBLIC SERVICE COMPANY OF OKLAHOMA	DISPATCH	653.36
		CITY OF CHICKASHA	DELTA DENTAL/FAMILY	101.88
			DELTA DENTAL/SINGLE	15.10
			DELTA DENTAL/EE & SPOUSE	31.44
			BASE/EMPLOYEE ONLY	153.60
			BUY-UP/EE & FAMILY	1,281.60
		OKLAHOMA MUNICIPAL RETIRE	OMRF	605.31
			OMRF	702.04
		TRANSFER ACCOUNT	FICA	324.80
			FICA	406.42
			MEDICARE	75.96
			MEDICARE	<u>95.05</u>
			TOTAL:	4,855.26
NEIGHBORHOOD SERVICES	GENERAL FUND	WASHITA CONSTRUCTION & RENOVATION	DUMP FEES FOR DEMO	<u>3,350.00</u>
			TOTAL:	3,350.00
PARK MAINTENANCE	GENERAL FUND	HERC RENTALS	BOOM RENTAL	4,700.00
			FUEL FOR BOOMS	214.50
			FUEL FOR BOOMS	209.30
			SWEEPER RENTAL	309.80
		VERIZON WIRELESS	PARKS	40.01
		EXPRESS SERVICES INC	CONTRACT LABOR	2,985.92
			CONTRACT LABOR	2,499.49
			CONTRACT LABOR	3,992.48
		MARSHALL AUTO PARTS	15W-40 OIL	129.72
		AT&T MOBILITY	ACCT: 4740	169.92
		PUBLIC SERVICE COMPANY OF OKLAHOMA	PARKS	125.12
			PARKS	2,692.28
		CITY OF CHICKASHA	DELTA DENTAL/FAMILY	101.88
			DELTA DENTAL/SINGLE	30.20
			BASE/EE & FAMILY	511.50
			BUY-UP/EE & CHILD(REN)	348.40
			BUY-UP/EMPLOYEE ONLY	384.80
		OKLAHOMA MUNICIPAL RETIRE	OMRF	967.37
			OMRF	917.60
		CENTERPOINT ENERGY	PARKS	225.42
			PARKS	33.91
		AT&T	ACCT4052240374 6246	93.59
		TRANSFER ACCOUNT	FICA	547.24
			FICA	531.18
			MEDICARE	128.00
			MEDICARE	124.23
		BORDWINE DEVELOPMENT	PAY APP #2 DOG PARK	18,568.32
		UNIFIRST HOLDINGS, L.P.	UNIFORMS	56.94
			UNIFORMS	28.47
		FASTENAL COMPANY	CONES	1,299.00
		BARRINGTON ELECTRIC	ELECTRICAL WORK	<u>150.00</u>
			TOTAL:	43,116.59
SPORTS COMPLEX	GENERAL FUND	RISE BROADBAND	MONTHLY PAYMENT	210.02
		EXPRESS STAR	COC-2105 ADVERTISING	89.58
		EXPRESS SERVICES INC	CONTRACT LABOR	679.84
			CONTRACT LABOR	959.76
			CONTRACT LABOR	1,013.08
		PUBLIC SERVICE COMPANY OF OKLAHOMA	SPORTS	<u>5,464.06</u>

DEPARTMENT	FUND	VENDOR NAME	DESCRIPTION	AMOUNT
		CITY OF CHICKASHA	DELTA DENTAL/SINGLE	15.10
			BUY-UP/EMPLOYEE ONLY	192.40
		OKLAHOMA MUNICIPAL RETIRE	OMRF	382.83
			OMRF	330.19
		CENTERPOINT ENERGY	SPORTS COMPLEX	971.67
		TRANSFER ACCOUNT	FICA	218.49
			FICA	191.15
			MEDICARE	51.10
			MEDICARE	44.70
		BARRINGTON ELECTRIC	ELECTRICAL	450.00
			TOTAL:	11,263.97
EMERGENCY MEDICAL SERV	EMERGENCY MED SERV	ZOLL MEDICAL CORPORATION	EXTENDED WARRENTY	10,678.50
		MISC ONE-TIME V BONNIE CARTER	EMS REFUND	55.00
		OKLAHOMA STATE UNIVERSITY	TRAINING	1,975.00
		OKLAHOMA FIREFIGHTERS	FIRE PENSION	2,846.79
			FIRE PENSION	2,571.12
			FIRE PENSION	234.40
		RALPH AND SONS TIRE CENTE	2020 DODGE TIRES	1,733.52
		TRANSFER ACCOUNT	MEDICARE	389.05
			MEDICARE	329.75
			MEDICARE	24.28
		BATES TRUCK REPAIR	TRUCK REPAIR	2,189.70
			TRUCK REPAIR	501.20
		RAM SOFTWARE SYSTEMS	NOV 2021	1,658.98
		GONZALEZ PEST CONTROL	PEST CONTROL	130.00
		IAFF LOCAL 2041 (HEALTH INS)	FIRE EE DENTAL	32.00
			FIRE FAMILY DENTAL	66.40
			FIRE EE/SPOUSE DENTAL	116.00
			FIRE EE/SPOUSE DENTAL	7.20
			FIR/EE OPTION A	503.20
			FIR/FAM OPTION A	1,329.60
			FIR/EESP OPTION A	2,450.00
			FIR/EESP OPTION A	238.40
			FIR/EE/CH VISION	11.20
			FIR/EE VISION	14.40
			FIR/FAM VISION	17.60
			FIR/EESP VISION	60.00
			FIR/EESP VISION	12.00
			TOTAL:	30,175.29
CHICKASHA INDUSTRIAL A	CHICKASHA INDUST A	A PUBLIC SERVICE COMPANY OF OKLAHOMA	SIGN	60.21
			SIGN	101.86
		CITY OF CHICKASHA	DELTA DENTAL/SINGLE	15.10
			BUY-UP/EMPLOYEE ONLY	192.40
		OKLAHOMA MUNICIPAL RETIRE	OMRF	261.90
			OMRF	264.12
		TRANSFER ACCOUNT	FICA	148.44
			FICA	152.90
			MEDICARE	34.72
			MEDICARE	35.76
			TOTAL:	1,267.41
ED-DEDICATED SALES TAX	ED-DEDICATED SALES	W.E.B. CONSTRUCTION INC	GRAND DEVELOP. SS AND WAT	25,935.62
			TOTAL:	25,935.62

DEPARTMENT	FUND	VENDOR NAME	DESCRIPTION	AMOUNT
EMERGENCY 911	E-911 FUND	SUDDENLINK	ACCT07705103518016	144.89
		AT&T	ACCT 4100721194356	200.00
		PUBLIC SERVICE COMPANY OF OKLAHOMA	SIREN	29.45
		AT&T	ACCT 40510300170628	1,501.05
			ACCT 40510300170628	<u>83.04</u>
			TOTAL:	1,958.43
POLICE TRAINING	POLICE TRAINING FU SCOTT ELY		TUITION REIMBURSEMENT	<u>1,235.75</u>
			TOTAL:	1,235.75
UTILITY BILLING	CHICKASHA MUNICIPA	US PAYMENTS LLC	MONTHLY KIOSK - IINV024741	195.00
		DATAPROSE	MONTHLY BILLING INV DP2104	3,823.67
			MONTHLY BILLING INV DP2104	3,823.67
		CITY OF CHICKASHA	BASE/EE & CHILD(REN)	278.00
		OKLAHOMA MUNICIPAL RETIRE	OMRF	228.28
			OMRF	134.85
			OMRF	29.56
		TRANSFER ACCOUNT	FICA	159.70
			FICA	126.93
			FICA	17.11
			MEDICARE	37.34
			MEDICARE	29.68
			MEDICARE	<u>4.00</u>
			TOTAL:	8,887.79
CMA - CAPITAL PROJECTS	CHICKASHA MUNICIPA	AMERICAN WATERWORKS SUPPLY, INC	8" SDR-35 SEWER PIPE	2,936.50
		OKLAHOMA CONTRACTORS SUPP	5/8" - 3/4" RESETTERS	189.00
			ANTI FLOAT METER LIDS	2,200.00
			MISC. WATER LINE PARTS	2,900.00
			MISC. 2" BRASS ADAPTORS	2,860.00
		LOCKE SUPPLY CO.	SEWER SADDLE TAPS X 10	430.34
			SEWER TAP PARTS & SUP1	2,421.56
		AMERICAN WATERWORKS ASSO	1 1/2" MISC METER BRASS	1,539.06
		UTILITY TECHNOLOGY SERVICES	SENSUS TOUCHREADER X 2	1,212.81
			3/4" METERS	2,434.52
			MXU'S	<u>3,360.00</u>
			TOTAL:	22,483.79
CMA GENERAL	CHICKASHA MUNICIPA	TDS TELECOM	INVOICE12-19-21	51.20
		INTERURBAN	CHRISTMAS STAFF LUNCH	<u>1,350.00</u>
			TOTAL:	1,401.20
PUBLIC WORKS ADMIN	CHICKASHA MUNICIPA	EXPRESS SERVICES INC	CONTRACT LABOR	556.20
			CONTRACT LABOR	573.20
			CONTRACT LABOR	542.20
			CONTRACT LABOR	434.29
			CONTRACT LABOR	536.60
			CONTRACT LABOR	537.60
			CONTRACT LABOR	538.20
			CONTRACT LABOR	429.23
			CONTRACT LABOR	534.80
			CONTRACT LABOR	540.60
			CONTRACT LABOR	553.20
			CONTRACT LABOR	679.84
		CITY OF CHICKASHA	DELTA DENTAL/SINGLE	15.10
			BUY-UP/EMPLOYEE ONLY	192.40

DEPARTMENT	FUND	VENDOR NAME	DESCRIPTION	AMOUNT
		OKLAHOMA MUNICIPAL RETIRE	OMRF	270.33
			OMRF	308.94
		TRANSFER ACCOUNT	FICA	151.94
			FICA	178.85
			MEDICARE	35.53
			MEDICARE	<u>41.83</u>
			TOTAL:	7,650.88
SANITATION DEPARTMENT	CHICKASHA MUNICIPAL	MARSHALL AUTO PARTS	15W-40 OIL	125.78
		CITY OF CHICKASHA	DELTA DENTAL/SINGLE	15.10
			BUY-UP/EMPLOYEE ONLY	192.40
		OKLAHOMA MUNICIPAL RETIRE	OMRF	198.85
			OMRF	137.90
		TRANSFER ACCOUNT	FICA	111.75
			FICA	79.83
			MEDICARE	26.13
			MEDICARE	18.67
		UNIFIRST HOLDINGS, L.P.	UNIFORMS	24.12
			UNIFORMS	12.06
		WASTE CONNECTIONS OF CHICKASHA	NOV 21	<u>177,564.19</u>
			TOTAL:	178,506.78
WATER PLANT	CHICKASHA MUNICIPAL	USW UTILITY GROUP	WATER TREATMENT SEPT	82,885.49
			WATER TREATMENT NOV	82,885.49
		FT COBB RES MAS CONS DIST	WATER SALE CONT-JAN22	33,840.98
		PUBLIC SERVICE COMPANY OF OKLAHOMA	WATER PLANT	8,968.86
			WATER PLANT	2,607.88
		CKENERGY ELECTRIC COOPERATIV	PW ELECTRIC	5,952.22
		OKLAHOMA ELECTRIC COOP	ACCT: 4616200100	72.20
		CENTERPOINT ENERGY	SPORTS COMPLEX	373.71
		RURAL WATER DIST.#7	RWD #7 INV NOV 2021	<u>2,136.15</u>
			TOTAL:	219,722.98
WASTEWATER PLANT	CHICKASHA MUNICIPAL	USW UTILITY GROUP	W. WATER TREATMENT SEPT	55,257.00
			W. WATER TREATMENT NOV	55,257.00
		HUGHESNET	SME33359 -	114.55
		PUBLIC SERVICE COMPANY OF OKLAHOMA	WASTE WATER PLANT	9,180.32
			WASTE WATER PLANT	341.59
		CENTERPOINT ENERGY	WASTE WATER	<u>29.55</u>
			TOTAL:	120,180.01
LINE MAINTENANCE DEPT	CHICKASHA MUNICIPAL	BOBCAT OF OKLAHOMA CITY	TRACK ROLLERS	2,437.72
		MARSHALL AUTO PARTS	15W-40 OIL	175.90
		OZARK LASER & SHORING	TRENCH BOX RENTAL	972.00
		CITY OF CHICKASHA	DELTA DENTAL/FAMILY	101.88
			DELTA DENTAL/SINGLE	45.30
			DELTA DENTAL/EE & SPOUSE	31.44
			BASE/EMPLOYEE ONLY	153.60
			BASE/EE & FAMILY	1,023.00
			BUY-UP/EMPLOYEE ONLY	192.40
			BUY-UP/EE & SPOUSE	462.86
		OKLAHOMA MUNICIPAL RETIRE	OMRF	1,032.04
			OMRF	966.35
		RALPH AND SONS TIRE CENTE	FRONT TIRES	705.04
		TRANSFER ACCOUNT	FICA	551.49
			FICA	559.42

DEPARTMENT	FUND	VENDOR NAME	DESCRIPTION	AMOUNT
			MEDICARE	128.97
			MEDICARE	130.83
		MCI WORLDCOM	SERVICE CHARGES	87.23
		UNIFIRST HOLDINGS, L.P.	UNIFORMS	184.72
			UNIFORMS	72.77
		UTILITY TECHNOLOGY SERVICES	METER TEST GRADY MEMORIAL	150.00
			TOTAL:	10,164.96
LAKE CHICKASHA	CHICKASHA MUNICIPAL	CKENERGY ELECTRIC COOPERATIVE	LAKE CHICKASHA	1,232.26
			TOTAL:	1,232.26
BUILDING MAINTENANCE	CHICKASHA MUNICIPAL	SUDDENLINK	ACCT0770104505012	177.44
			ACCT0770104505012	177.44
		HUGHESNET	SME33358	130.35
		AT&T	AT&T 0881	840.95
		SPIC & SPAN COMMERCIAL CLEANING, LLC	DEC 2021 CLEANING SERVICE	830.50
			DEC 2021 CLEANING SERVICE	1,595.00
			DEC 2021 CLEANING SERVICE	303.00
		PUBLIC SERVICE COMPANY OF OKLAHOMA	BUILDING	1,028.52
			BUILDING	668.12
		CITY OF CHICKASHA	DELTA DENTAL/SINGLE	15.10
			BUY-UP/EMPLOYEE ONLY	192.40
		DEHART AIR CONDITIONING AND ELECTRONIC	PREV. MAINT.	4,474.58
		OKLAHOMA MUNICIPAL RETIRE	OMRF	130.58
			OMRF	129.45
		CENTERPOINT ENERGY	BUILDING MAINT	591.38
			BUILDINGS	36.84
		AT&T	ACCT MISC	4,795.68
		TRANSFER ACCOUNT	FICA	71.19
			FICA	74.94
			MEDICARE	16.65
			MEDICARE	17.53
		UNIFIRST HOLDINGS, L.P.	UNIFORMS	13.60
			UNIFORMS	6.80
		AT&T	405 222-6002 725 0	10,571.22
		STORAGE 'R' US	INV# 17916	20.00
			INV# 18174	185.00
			TOTAL:	27,094.26
AIRPORT	AIRPORT	SPIC & SPAN COMMERCIAL CLEANING, LLC	DEC 2020 CLEANING SERVICE	207.55
		ASAP ENERGY, INC	OPEN PO FUEL PURCHASES	29,655.50
			OPEN PO FUEL PURCHASES	20,528.21
		MEDLEY EQUIPMENT SERVICE	TUG REPAIR	3,588.70
		CITY OF CHICKASHA	DELTA DENTAL/SINGLE	15.10
			DELTA DENTAL/EE & SPOUSE	31.44
			BUY-UP/EMPLOYEE ONLY	192.40
			BUY-UP/EE & SPOUSE	462.86
		OKLAHOMA MUNICIPAL RETIRE	OMRF	251.85
			OMRF	254.55
		CENTERPOINT ENERGY	AIRPORT	241.18
		TRANSFER ACCOUNT	FICA	147.49
			FICA	147.36
			MEDICARE	34.49
			MEDICARE	34.46
		WILLIAM MARVIN JOHNSON LLC	AWOS NOVEMBER 21	300.00
		UNIFIRST HOLDINGS, L.P.	UNIFORMS	42.52

DEPARTMENT	FUND	VENDOR NAME	DESCRIPTION	AMOUNT
			UNIFORMS	71.67
			TOTAL:	56,207.33
LIBRARY (ODOL)	ARPA TARGETED GRAN	GALE GROUP INC./CENGAGE LEARNING	LEGAL FORMS DATABASE	3,241.60
			DATABASE: CHILTON'S	3,037.50
		AWE ACQUISITION INC dba AWE LEARNING	AWE COMPUTER: OLDER	3,214.00
			AWE COMPUTER: YOUNGER	3,169.00
		T-MOBILE USA INC	HOT SPOTS AND SERVICE	150.40
		WORKABLE PROGRAMS & SYSTEMS INC	CLOUD MANAGED SWITCH	889.77
			CLOUD MANAGED SWITCH	443.23
		AMAZON CORPORATE CREDIT	SMALL PAPER BAGS	95.64
			TOTAL:	14,241.14
CAPITAL PROJECTS	CAPITAL PROJECTS F	FIRST NATIONAL BANK & TRU	NOV 21 PAYMENT	5,029.00
			TOTAL:	5,029.00
COMBINED INSURANCE	COMBINED INSURANCE	METLIFE	METLIFE	786.88
		DELTA DENTAL PLAN OF OKLAHOMA	DELTA DENTAL PLAN OF OKLAH	5,562.68
		AETNA LIFE INSURANCE COMPANY	AETNA LIFE INSURANCE COMPA	55,534.00
		AMERIFLEX	AMERIFLEX	52.50
		DEARBORN NATIONAL	DEARBORN NATIONAL	1,083.69
		OMAG		3,000.00
			TOTAL:	66,019.75
NON-DEPARTMENTAL	AP/PAYROLL CASH FU	COLONIAL LIFE & ACCIDENT INSURANCE COM	COLONIAL ACCIDENT	2.50
			COLONIAL GROUP ACCIDENT	504.25
			COLONIAL CANCER	209.01
			COLONIAL CRITICAL ILLNESS	157.37
			COLONIAL DISABILITY	246.68
		CITY OF CHICKASHA	UNION ASSESSMENT FEE	8.16
			GARNISHMENT FEE	20.00
		WASHINGTON NATIONAL INS. CO	GROUP #20057	174.20
		DEPARTMENT OF CHILDREN AND FAMILY SERV	PRESTON WOODS 002392363-01	287.00
		CITY OF CHICKASHA	DELTA DENTAL/FAMILY	157.50
			DELTA DENTAL/SINGLE	70.00
			DELTA DENTAL/EE & SPOUSE	30.00
			DEARBORN VOLUNTARY LIFE	417.98
			BASE/EE & CHILD(REN)	139.00
			BASE/EMPLOYEE ONLY	384.00
			BASE/EE & FAMILY	639.50
			BASE/EE & SPOUSE	93.00
			BUY-UP/EE & CHILD(REN)	522.60
			BUY-UP/EMPLOYEE ONLY	769.60
			BUY-UP/EE & FAMILY	2,082.60
			BUY-UP/EE & SPOUSE	465.60
			METLIFE VISION	398.00
		DEPARTMENT OF HUMAN SERVICES		180.00
				151.75
				187.56
				100.00
				123.75
		OKLAHOMA FIREFIGHTERS	FIRE PENSION BUY BACK	174.01
			FIRE PENSION BUY BACK	174.01
			FIRE PENSION	7,240.02
			FIRE PENSION	7,411.93
			FIRE PENSION	745.24

DEPARTMENT	FUND	VENDOR NAME	DESCRIPTION	AMOUNT
		OKLAHOMA POLICE PENSION &	POLICE PENSION	4,343.58
			POLICE PENSION	4,435.51
		OKLAHOMA MUNICIPAL RETIRE	OMRF2	415.38
			OMRF2	415.38
			OMRF	3,372.50
			OMRF	3,301.45
			OMRF	11.04
		FIREFIGHTERS SEC LOCAL 20	FIRE INSURANCE FEE	155.00
			FIRE UNION DUES	1,015.00
		FIREMENS SPECIAL FUND	FIRE SPECIAL FUND	178.25
		FRATERNAL ORDER OF POLICE	POLICE UNION	540.00
		TRANSFER ACCOUNT	ENTITY 0037102001	4,995.00
			ENTITY 0037102001	4,995.00
			FEDERAL WITHHOLDING	21,149.58
			FEDERAL WITHHOLDING	24,552.28
			FEDERAL WITHHOLDING	480.87
			STATE INCOME TAX	7,785.00
			STATE INCOME TAX	8,725.00
			STATE INCOME TAX	237.00
			FICA	8,276.10
			FICA	9,356.49
			FICA	17.11
			MEDICARE	3,313.31
			MEDICARE	3,619.02
			MEDICARE	124.07
		AFLAC	AFLAC/PRETAX #K5881	9.45
		IAFF LOCAL 2041 (HEALTH INS)	FIRE CANCER	181.14
			FIR/EECH OPTION A	327.30
			FIRE EE/CHILD(REN) DENTAL	15.60
			FIRE EE DENTAL	28.00
			FIRE FAMILY DENTAL	99.60
			FIRE EE/SPOUSE DENTAL	52.20
			FIRE EE/SPOUSE DENTAL	1.80
			FIR/EE OPTION A	314.50
			FIR/EE OPTION B	57.90
			FIR/FAM OPTION A	2,326.80
			FIRE GROUP LIFE	71.77
			FIRE HARTFORD	70.23
			FIR/EESP OPTION A	980.00
			FIR/EESP OPTION A	59.60
			FIR/EE/CH VISION	11.20
			FIR/EE VISION	9.00
			FIR/FAM VISION	48.40
			FIR/EESP VISION	27.00
			FIR/EESP VISION	3.00
		CITY OF CHICKASHA FLEX SPENDING ACCOUT	UNREIMBURSED MEDICAL 23-19	943.32
		IAFF - FIREPAC	IAFF FIREPAC	189.24
			IAFF FIREPAC	189.24
			TOTAL:	146,092.03

DEPARTMENT	FUND	VENDOR NAME	DESCRIPTION	AMOUNT
===== FUND TOTALS =====				
11	GENERAL FUND			291,690.93
23	EMERGENCY MED SERV FUND			30,175.29
25	CHICKASHA INDUST AUTH			1,267.41
26	ED-DEDICATED SALES TAX			25,935.62
27	E-911 FUND			1,958.43
29	POLICE TRAINING FUND			1,235.75
31	CHICKASHA MUNICIPAL AUTH			597,324.91
39	AIRPORT			56,207.33
44	ARPA TARGETED GRANTS			14,241.14
52	CAPITAL PROJECTS FUND			5,029.00
71	COMBINED INSURANCE			66,019.75
99	AP/PAYROLL CASH FUND			146,092.03

GRAND TOTAL:				1,237,177.59

TOTAL PAGES: 13

SELECTION CRITERIA

SELECTION OPTIONS

VENDOR SET: 99-AP VENDOR LIST
VENDOR: All
CLASSIFICATION: All
BANK CODE: All
ITEM DATE: 12/08/2021 THRU 1/04/2022
ITEM AMOUNT: 99,999,999.00CR THRU 99,999,999.00
GL POST DATE: 0/00/0000 THRU 99/99/9999
CHECK DATE: 12/08/2021 THRU 1/04/2022

PAYROLL SELECTION

PAYROLL EXPENSES: NO
CHECK DATE: 0/00/0000 THRU 99/99/9999

PRINT OPTIONS

PRINT DATE: None
SEQUENCE: By Department
DESCRIPTION: Distribution
GL ACCTS: NO
REPORT TITLE: COUNCIL REPORT 9-20-21
SIGNATURE LINES: 0

PACKET OPTIONS

INCLUDE REFUNDS: YES
INCLUDE OPEN ITEM:NO



City of
CHICKASHA

Meeting Type: 1/3/2022 6:30 PM, City Council Meeting

Meeting Date: 1/3/2022

Department: Finance

Agenda Item No. 4.c.

AGENDA ITEM: Acceptance of the Financials for November, 2021

I. BACKGROUND/DESCRIPTION:

II. RECOMMENDED ACTION:

Accept the Financials for November, 2021

III. FISCAL INFORMATION -

IV. FUND INFORMATION:

Dept. Director: Cindy Rogers, Finance Director	Fund	Account	Amount
	(To)		
	FUND	ACCOUNT	AMOUNT
Meeting Date: January 3, 2022	(From)		

V. ATTACHMENTS:

1. Financial Report Nov 2021

CITY OF CHICKASHA
FINANCIAL STATEMENT (UNAUDITED)
AS OF: NOVEMBER 30TH, 2021

11 -GENERAL FUND
FINANCIAL SUMMARY

% OF YEAR COMPLETED: 41.67

	CURRENT BUDGET	CURRENT PERIOD	PRIOR YEAR EXPENSE	Y-T-D ACTUAL	Y-T-D ENCUMBRANCE	BUDGET BALANCE	% OF BUDGET
<u>REVENUE SUMMARY</u>							
PERMITS	228,500.00	25,566.60	0.00	86,256.03	0.00	142,243.97	37.75
LICENSES	56,100.00	2,363.95	0.00	31,540.25	0.00	24,559.75	56.22
CEMETERY	105,000.00	14,310.50	0.00	43,381.62	0.00	61,618.38	41.32
FEES	75,350.00	1,802.99	0.00	20,193.27	0.00	55,156.73	26.80
RENT	2,600.00	0.00	0.00	1,037.50	0.00	1,562.50	39.90
STATE TAX	13,200,000.00	1,113,877.89	0.00	5,807,689.20	0.00	7,392,310.80	44.00
OTHER TAX	850,000.00	81,682.39	0.00	389,312.96	0.00	460,687.04	45.80
FRANCHISE TAX	538,000.00	52,107.75	0.00	222,625.36	0.00	315,374.64	41.38
GRANTS AND PROGRAMS	167,441.00	0.00	0.00	41,423.53	0.00	126,017.47	24.74
SWIMMING POOL/SPORTS COM	48,000.00	5,672.36	0.00	30,548.48	0.00	17,451.52	63.64
MISC REVENUES	36,183.00	291.40	0.00	27,541.27	0.00	8,641.73	76.12
TRANSFER OTHER FUNDS-EQU	2,140,000.00	171,313.22	0.00	856,395.49	0.00	1,283,604.51	40.02
INTEREST	8,500.00	531.47	0.00	2,457.88	0.00	6,042.12	28.92
PRIOR YEAR FUND BALANCE C	1,678,930.00	0.00	0.00	0.00	0.00	1,678,930.00	0.00
*** TOTAL REVENUES ***	19,134,604.00	1,469,520.52	0.00	7,560,402.84	0.00	11,574,201.16	39.51
<u>EXPENDITURE SUMMARY</u>							
01-ADMINISTRATION	356,024.00	22,572.10	126.56	137,868.55	3,468.76	214,813.25	39.66
02-FIRE DEPARTMENT-PS	295,424.00	15,789.34	0.00	89,906.29	0.00	205,517.71	30.43
21-FIRE OPERATIONS	3,266,426.00	199,369.63	0.00	1,236,794.64	110.00	2,029,521.36	37.87
03-POLICE DEPARTMENT-PS	494,232.00	29,877.35	0.00	158,968.55	25.00	335,238.45	32.17
41-PATROL SERVICES	2,539,671.00	149,180.01	0.00	840,934.58	23,471.97	1,675,264.45	34.04
42-INVESTIGATIONS	374,811.00	24,043.15	0.00	119,577.01	0.00	255,233.99	31.90
43-ANIMAL CONTROL	284,047.00	8,992.88	0.00	142,392.45	1,900.00	139,754.55	50.80
44-MUNICIPAL COURT	66,414.00	4,245.41	0.00	22,709.20	0.00	43,704.80	34.19
45-DISPATCH	455,293.00	20,415.33	0.00	113,954.05	700.00	340,638.95	25.18
46-NEIGHBORHOOD SERVICES	154,575.00	961.80	0.00	10,737.50	5,385.66	138,451.84	10.43
51-PARK MAINTENANCE	599,613.00	45,311.99	0.00	255,181.37	14,687.30	329,744.33	45.01
52-SPORTS COMPLEX	267,888.00	25,767.74	0.00	124,905.63	10,861.41	132,120.96	50.68
06-CEMETERY MAINTENANC-C	138,969.00	2,799.51	0.00	17,011.58	3,488.99	118,468.43	14.75
08-LIBRARY - C&R	482,872.00	34,123.90	0.00	165,255.48	80,672.13	236,944.39	50.93
09-STREET & STORM	601,611.00	66,256.31	0.00	305,437.03	40,149.40	256,024.57	57.44
10-FLEET	60,637.00	4,338.32	0.00	23,088.55	70.96	37,477.49	38.19
14-FINANCE-GG	481,812.00	35,508.88	0.00	153,363.75	18.00	328,430.25	31.83
07-HUMAN RESOURCES	79,793.00	4,575.23	0.00	24,431.18	0.00	55,361.82	30.62
16-COMM DEVEL/PLAN SERV	182,257.00	12,619.09	0.00	64,396.94	193.40	117,666.66	35.44
18-BUILDING SERVICES	136,543.00	11,236.32	0.00	64,749.70	4,537.50	67,255.80	50.74
17-GENERAL GOVERNMENT-GG	7,468,000.00	600,140.55	0.00	3,140,406.48	672.00	4,326,921.52	42.06
70-GRANT(S)	347,692.00	59,525.05	0.00	69,771.90	214,350.00	63,570.10	81.72
*** TOTAL EXPENDITURES ***	19,134,604.00	1,377,649.89	126.56	7,281,842.41	404,762.48	11,448,125.67	40.17
** REVENUE OVER(UNDER) EXPENDITURES **	0.00	91,870.63	126.56	278,560.43	(404,762.48)	126,075.49	0.00

C I T Y O F C H I C K A S H A
 FINANCIAL STATEMENT (UNAUDITED)
 AS OF: NOVEMBER 30TH, 2021

20 -DONATIONS FUND
 FINANCIAL SUMMARY

% OF YEAR COMPLETED: 41.67

	CURRENT BUDGET	CURRENT PERIOD	PRIOR YEAR EXPENSE	Y-T-D ACTUAL	Y-T-D ENCUMBRANCE	BUDGET BALANCE	% OF BUDGET
<u>REVENUE SUMMARY</u>							
DONATIONS	8,000.00	5,156.05	0.00	18,257.84	0.00 (	10,257.84)	228.22
INTEREST	100.00	22.21	0.00	115.62	0.00 (	15.62)	115.62
PRIOR YEAR FUND BALANCE C	9,500.00	0.00	0.00	0.00	0.00	9,500.00	0.00
*** TOTAL REVENUES ***	17,600.00	5,178.26	0.00	18,373.46	0.00 (	773.46)	104.39
<u>EXPENDITURE SUMMARY</u>							
20-DONATIONS-GG	17,600.00	11,000.00	0.00	19,391.79	0.00 (	1,791.79)	110.18
*** TOTAL EXPENDITURES ***	17,600.00	11,000.00	0.00	19,391.79	0.00 (	1,791.79)	110.18
** REVENUE OVER (UNDER) EXPENDITURES **	0.00 (	5,821.74)	0.00 (	1,018.33)	0.00	1,018.33	0.00

C I T Y O F C H I C K A S H A
FINANCIAL STATEMENT (UNAUDITED)
AS OF: NOVEMBER 30TH, 2021

22 -TAX INCREMENT DISTRIC
FINANCIAL SUMMARY

% OF YEAR COMPLETED: 41.67

	CURRENT BUDGET	CURRENT PERIOD	PRIOR YEAR EXPENSE	Y-T-D ACTUAL	Y-T-D ENCUMBRANCE	BUDGET BALANCE	% OF BUDGET
<u>REVENUE SUMMARY</u>							
OTHER TAX	0.00	0.00	0.00	2,109.97	0.00 (	2,109.97)	0.00
TRANSFER OTHER FUNDS-EQU	225,000.00	0.00	0.00	0.00	0.00	225,000.00	0.00
INTEREST	0.00	2.98	0.00	50.57	0.00 (	50.57)	0.00
PRIOR YEAR FUND BALANCE C	109,535.00	0.00	0.00	0.00	0.00	109,535.00	0.00
*** TOTAL REVENUES ***	334,535.00	2.98	0.00	2,160.54	0.00	332,374.46	0.65
<u>EXPENDITURE SUMMARY</u>							
22-TAX INCREMENT DISTRIC	334,535.00	0.00	0.00	0.00	0.00	334,535.00	0.00
*** TOTAL EXPENDITURES ***	334,535.00	0.00	0.00	0.00	0.00	334,535.00	0.00
** REVENUE OVER (UNDER) EXPENDITURES **	0.00	2.98	0.00	2,160.54	0.00 (	2,160.54)	0.00

C I T Y O F C H I C K A S H A
FINANCIAL STATEMENT (UNAUDITED)
AS OF: NOVEMBER 30TH, 2021

23 -EMERGENCY MED SERV FUND
FINANCIAL SUMMARY

% OF YEAR COMPLETED: 41.67

	CURRENT BUDGET	CURRENT PERIOD	PRIOR YEAR EXPENSE	Y-T-D ACTUAL	Y-T-D ENCUMBRANCE	BUDGET BALANCE	% OF BUDGET
<u>REVENUE SUMMARY</u>							
EMS FEES	1,377,000.00	74,866.57	0.00	633,235.13	0.00	743,764.87	45.99
GRANTS AND PROGRAMS	242,429.00	0.00	0.00	0.00	0.00	242,429.00	0.00
MISC REVENUES	500.00	0.00	0.00	0.00	0.00	500.00	0.00
INTEREST	50.00	22.73	0.00	122.75	0.00	72.75	245.50
*** TOTAL REVENUES ***	1,619,979.00	74,889.30	0.00	633,357.88	0.00	986,621.12	39.10
<u>EXPENDITURE SUMMARY</u>							
02-FIRE DEPARTMENT-PS	1,619,979.00	117,457.03	0.00	608,220.74	26,832.06	984,926.20	39.20
*** TOTAL EXPENDITURES ***	1,619,979.00	117,457.03	0.00	608,220.74	26,832.06	984,926.20	39.20
** REVENUE OVER(UNDER) EXPENDITURES **	0.00	(42,567.73)	0.00	25,137.14	(26,832.06)	1,694.92	0.00

C I T Y O F C H I C K A S H A
FINANCIAL STATEMENT (UNAUDITED)
AS OF: NOVEMBER 30TH, 2021

25 -CHICKASHA INDUST AUTH
FINANCIAL SUMMARY

% OF YEAR COMPLETED: 41.67

	CURRENT BUDGET	CURRENT PERIOD	PRIOR YEAR EXPENSE	Y-T-D ACTUAL	Y-T-D ENCUMBRANCE	BUDGET BALANCE	% OF BUDGET
<u>REVENUE SUMMARY</u>							
DONATIONS	10,000.00	1,500.00	0.00	7,500.00	0.00	2,500.00	75.00
TRANSFER OTHER FUNDS-EQU	607,500.00	56,860.84	0.00	270,204.17	0.00	337,295.83	44.48
INTEREST	0.00	82.82	0.00	513.93	0.00	513.93	0.00
PRIOR YEAR FUND BALANCE C	279,723.00	0.00	0.00	0.00	0.00	279,723.00	0.00
*** TOTAL REVENUES ***	897,223.00	58,443.66	0.00	278,218.10	0.00	619,004.90	31.01
<u>EXPENDITURE SUMMARY</u>							
25-CHICKASHA INDUSTRIAL	897,223.00	46,944.57	0.00	222,483.04	20,000.00	654,739.96	27.03
*** TOTAL EXPENDITURES ***	897,223.00	46,944.57	0.00	222,483.04	20,000.00	654,739.96	27.03
** REVENUE OVER(UNDER) EXPENDITURES **	0.00	11,499.09	0.00	55,735.06	(20,000.00)	35,735.06	0.00

CITY OF CHICKASHA
FINANCIAL STATEMENT (UNAUDITED)
AS OF: NOVEMBER 30TH, 2021

26 -ED-DEDICATED SALES TAX
FINANCIAL SUMMARY

% OF YEAR COMPLETED: 41.67

	CURRENT BUDGET	CURRENT PERIOD	PRIOR YEAR EXPENSE	Y-T-D ACTUAL	Y-T-D ENCUMBRANCE	BUDGET BALANCE	% OF BUDGET
<u>REVENUE SUMMARY</u>							
INTEREST	20,000.00	23.65	0.00	3,222.98	0.00	16,777.02	16.11
PRIOR YEAR FUND BALANCE C	<u>1,576,515.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>1,576,515.00</u>	<u>0.00</u>
*** TOTAL REVENUES ***	<u>1,596,515.00</u>	<u>23.65</u>	<u>0.00</u>	<u>3,222.98</u>	<u>0.00</u>	<u>1,593,292.02</u>	<u>0.20</u>
<u>EXPENDITURE SUMMARY</u>							
26-ED DED. SALES TAX	<u>1,596,515.00</u>	<u>50,505.00</u>	<u>0.00</u>	<u>561,409.38</u>	<u>97,540.62</u>	<u>937,565.00</u>	<u>41.27</u>
*** TOTAL EXPENDITURES ***	<u>1,596,515.00</u>	<u>50,505.00</u>	<u>0.00</u>	<u>561,409.38</u>	<u>97,540.62</u>	<u>937,565.00</u>	<u>41.27</u>
** REVENUE OVER (UNDER) EXPENDITURES **	<u>0.00</u>	<u>(50,481.35)</u>	<u>0.00</u>	<u>(558,186.40)</u>	<u>(97,540.62)</u>	<u>655,727.02</u>	<u>0.00</u>

CITY OF CHICKASHA
FINANCIAL STATEMENT (UNAUDITED)
AS OF: NOVEMBER 30TH, 2021

27 -E-911 FUND
FINANCIAL SUMMARY

% OF YEAR COMPLETED: 41.67

	CURRENT BUDGET	CURRENT PERIOD	PRIOR YEAR EXPENSE	Y-T-D ACTUAL	Y-T-D ENCUMBRANCE	BUDGET BALANCE	% OF BUDGET
<u>REVENUE SUMMARY</u>							
E-911	143,000.00	12,575.51	0.00	65,183.45	0.00	77,816.55	45.58
GRANTS AND PROGRAMS	175,562.00	0.00	0.00	0.00	0.00	175,562.00	0.00
INTEREST	500.00	10.47	0.00	58.98	0.00	441.02	11.80
*** TOTAL REVENUES ***	319,062.00	12,585.98	0.00	65,242.43	0.00	253,819.57	20.45
<u>EXPENDITURE SUMMARY</u>							
27-EMERGENCY 911-PS	319,062.00	5,663.35	0.00	15,885.98	182,430.13	120,745.89	62.16
*** TOTAL EXPENDITURES ***	319,062.00	5,663.35	0.00	15,885.98	182,430.13	120,745.89	62.16
** REVENUE OVER (UNDER) EXPENDITURES **	0.00	6,922.63	0.00	49,356.45	(182,430.13)	133,073.68	0.00

C I T Y O F C H I C K A S H A
FINANCIAL STATEMENT (UNAUDITED)
AS OF: NOVEMBER 30TH, 2021

28 -FIRE/EMS TRAINING FUND
FINANCIAL SUMMARY

% OF YEAR COMPLETED: 41.67

	CURRENT BUDGET	CURRENT PERIOD	PRIOR YEAR EXPENSE	Y-T-D ACTUAL	Y-T-D ENCUMBRANCE	BUDGET BALANCE	% OF BUDGET
<u>REVENUE SUMMARY</u>							
TRANSFER OTHER FUNDS-EQU	100.00	8.00	0.00	13.03	0.00	86.97	13.03
INTEREST	0.00	0.04	0.00	0.09	0.00	(0.09)	0.00
*** TOTAL REVENUES ***	100.00	8.04	0.00	13.12	0.00	86.88	13.12
<u>EXPENDITURE SUMMARY</u>							
02-FIRE DEPARTMENT-PS	100.00	0.00	0.00	0.00	0.00	100.00	0.00
*** TOTAL EXPENDITURES ***	100.00	0.00	0.00	0.00	0.00	100.00	0.00
** REVENUE OVER(UNDER) EXPENDITURES **	0.00	8.04	0.00	13.12	0.00	(13.12)	0.00

C I T Y O F C H I C K A S H A
FINANCIAL STATEMENT (UNAUDITED)
AS OF: NOVEMBER 30TH, 2021

29 -POLICE TRAINING FUND
FINANCIAL SUMMARY

% OF YEAR COMPLETED: 41.67

	CURRENT BUDGET	CURRENT PERIOD	PRIOR YEAR EXPENSE	Y-T-D ACTUAL	Y-T-D ENCUMBRANCE	BUDGET BALANCE	% OF BUDGET
<u>REVENUE SUMMARY</u>							
TRANSFER OTHER FUNDS-EQU	10,000.00	0.00	0.00	1,090.51	0.00	8,909.49	10.91
INTEREST	40.00	0.62	0.00	7.21	0.00	32.79	18.03
*** TOTAL REVENUES ***	10,040.00	0.62	0.00	1,097.72	0.00	8,942.28	10.93
<u>EXPENDITURE SUMMARY</u>							
03-POLICE DEPARTMENT-PS	10,040.00	0.00	0.00	0.00	0.00	10,040.00	0.00
*** TOTAL EXPENDITURES ***	10,040.00	0.00	0.00	0.00	0.00	10,040.00	0.00
** REVENUE OVER(UNDER) EXPENDITURES **	0.00	0.62	0.00	1,097.72	0.00	(1,097.72)	0.00

CITY OF CHICKASHA
FINANCIAL STATEMENT (UNAUDITED)
AS OF: NOVEMBER 30TH, 2021

31 -CHICKASHA MUNICIPAL AUTH
FINANCIAL SUMMARY

% OF YEAR COMPLETED: 41.67

	CURRENT BUDGET	CURRENT PERIOD	PRIOR YEAR EXPENSE	Y-T-D ACTUAL	Y-T-D ENCUMBRANCE	BUDGET BALANCE	% OF BUDGET
<u>REVENUE SUMMARY</u>							
LICENSES	18,110.00	125.00	0.00	19,809.00	0.00 (	1,699.00)	109.38
FEES	23,000.00	1,954.24	0.00	9,755.84	0.00	13,244.16	42.42
RENT	141,000.00	8,985.00	0.00	66,105.00	0.00	74,895.00	46.88
OIL & GAS	7,500.00	0.00	0.00	11,220.00	0.00 (	3,720.00)	149.60
UTILITY SERVICE	7,372,120.00	632,774.24	0.00	3,151,124.36	0.00	4,220,995.64	42.74
MISC REVENUES	15,000.00	21,780.86	0.00	52,101.86	0.00 (	37,101.86)	347.35
TRANSFER OTHER FUNDS-EQU	3,273,500.00	367,561.50	0.00	1,882,764.26	0.00	1,390,735.74	57.52
INTEREST	75,000.00	1,337.88	0.00	18,089.96	0.00	56,910.04	24.12
PRIOR YEAR FUND BALANCE C	7,531,481.00	0.00	0.00	0.00	0.00	7,531,481.00	0.00
*** TOTAL REVENUES ***	18,456,711.00	1,034,518.72	0.00	5,210,970.28	0.00	13,245,740.72	28.23
<u>EXPENDITURE SUMMARY</u>							
30-CMA CAPITAL	9,258,000.00	37,842.18	4,326.44	58,123.52	37,797.64	9,166,405.28	0.99
31-CMA GENERAL-BT	2,385,200.00	198,499.78	0.00	1,021,756.03	0.00	1,363,443.97	42.84
15-UTILITY BILLING	273,502.00	12,534.23	0.00	64,189.23	9,540.00	199,772.77	26.96
32-PUBLIC WORKS ADMIN-BT	377,178.00	11,423.20	0.00	55,262.38	3,591.32	318,324.30	15.60
33-SANITATION-BT	2,078,755.00	182,347.33	0.00	934,969.12	114.71	1,143,671.17	44.98
34-WATER PLANT-BT	1,832,500.00	65,711.81	0.00	577,086.38	0.00	1,255,413.62	31.49
35-WASTEWATER PLANT-BT	1,037,000.00	16,301.59	0.00	246,837.36	0.00	790,162.64	23.80
36-LINE MAINTENANCE-BT	592,868.00	36,358.63	0.00	196,442.99	8,115.31	388,309.70	34.50
37-LAKE CHICKASHA-C&R	38,610.00	3,432.15	0.00	15,949.57	0.00	22,660.43	41.31
38-BUILDING MAINTENANCE	583,098.00	38,016.27	0.00	210,617.43	3,384.59	369,095.98	36.70
*** TOTAL EXPENDITURES ***	18,456,711.00	602,467.17	4,326.44	3,381,234.01	62,543.57	15,017,259.86	18.64
** REVENUE OVER (UNDER) EXPENDITURES **	0.00	432,051.55	4,326.44	1,829,736.27 (	62,543.57) (	1,771,519.14)	0.00

C I T Y O F C H I C K A S H A
FINANCIAL STATEMENT (UNAUDITED)
AS OF: NOVEMBER 30TH, 2021

39 -AIRPORT
FINANCIAL SUMMARY

% OF YEAR COMPLETED: 41.67

	CURRENT BUDGET	CURRENT PERIOD	PRIOR YEAR EXPENSE	Y-T-D ACTUAL	Y-T-D ENCUMBRANCE	BUDGET BALANCE	% OF BUDGET
<u>REVENUE SUMMARY</u>							
RENT	89,600.00	6,528.89	0.00	47,879.34	0.00	41,720.66	53.44
GRANTS AND PROGRAMS	0.00	0.00	0.00	48,323.00	0.00	(48,323.00)	0.00
OIL & GAS	475,000.00	55,690.29	0.00	219,750.55	0.00	255,249.45	46.26
MISC REVENUES	0.00	0.00	0.00	64.13	0.00	(64.13)	0.00
INTEREST	15,000.00	153.74	0.00	3,375.08	0.00	11,624.92	22.50
PRIOR YEAR FUND BALANCE C	<u>1,099,538.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>1,099,538.00</u>	<u>0.00</u>
*** TOTAL REVENUES ***	<u>1,679,138.00</u>	<u>62,372.92</u>	<u>0.00</u>	<u>319,392.10</u>	<u>0.00</u>	<u>1,359,745.90</u>	<u>19.02</u>
<u>EXPENDITURE SUMMARY</u>							
39-AIRPORT-BT	<u>1,679,138.00</u>	<u>12,489.07</u>	<u>0.00</u>	<u>138,091.70</u>	<u>76,970.39</u>	<u>1,464,075.91</u>	<u>12.81</u>
*** TOTAL EXPENDITURES ***	<u>1,679,138.00</u>	<u>12,489.07</u>	<u>0.00</u>	<u>138,091.70</u>	<u>76,970.39</u>	<u>1,464,075.91</u>	<u>12.81</u>
** REVENUE OVER(UNDER) EXPENDITURES **	<u>0.00</u>	<u>49,883.85</u>	<u>0.00</u>	<u>181,300.40</u>	<u>(76,970.39)</u>	<u>(104,330.01)</u>	<u>0.00</u>

C I T Y O F C H I C K A S H A
FINANCIAL STATEMENT (UNAUDITED)
AS OF: NOVEMBER 30TH, 2021

44 -ARPA TARGETED GRANTS
FINANCIAL SUMMARY

% OF YEAR COMPLETED: 41.67

	CURRENT BUDGET	CURRENT PERIOD	PRIOR YEAR EXPENSE	Y-T-D ACTUAL	Y-T-D ENCUMBRANCE	BUDGET BALANCE	% OF BUDGET
<u>REVENUE SUMMARY</u>							
GRANTS AND PROGRAMS	0.00	21,118.09	0.00	1,455,998.86	0.00 (1,455,998.86)	0.00	
*** TOTAL REVENUES ***	0.00	21,118.09	0.00	1,455,998.86	0.00 (1,455,998.86)	0.00	
<u>EXPENDITURE SUMMARY</u>							
08-LIBRARY	0.00	0.00	0.00	0.00	20,920.21 (20,920.21)	0.00	
*** TOTAL EXPENDITURES ***	0.00	0.00	0.00	0.00	20,920.21 (20,920.21)	0.00	
** REVENUE OVER (UNDER) EXPENDITURES **	0.00	21,118.09	0.00	1,455,998.86	(20,920.21) (1,435,078.65)	0.00	

CITY OF CHICKASHA
FINANCIAL STATEMENT (UNAUDITED)
AS OF: NOVEMBER 30TH, 2021

52 -CAPITAL PROJECTS FUND
FINANCIAL SUMMARY

% OF YEAR COMPLETED: 41.67

	CURRENT BUDGET	CURRENT PERIOD	PRIOR YEAR EXPENSE	Y-T-D ACTUAL	Y-T-D ENCUMBRANCE	BUDGET BALANCE	% OF BUDGET
<u>REVENUE SUMMARY</u>							
OIL & GAS	20,000.00	1,652.05	0.00	6,204.85	0.00	13,795.15	31.02
MISC REVENUES	474,515.00	0.00	0.00	474,514.99	0.00	0.01	100.00
INTEREST	10,000.00	46.53	0.00	1,188.29	0.00	8,811.71	11.88
PRIOR YEAR FUND BALANCE C	1,246,341.22	0.00	0.00	0.00	0.00	1,246,341.22	0.00
*** TOTAL REVENUES ***	1,750,856.22	1,698.58	0.00	481,908.13	0.00	1,268,948.09	27.52
<u>EXPENDITURE SUMMARY</u>							
CAPITAL PROJECTS	1,750,856.22	35,518.11	0.00	530,149.10	0.00	1,220,707.12	30.28
*** TOTAL EXPENDITURES ***	1,750,856.22	35,518.11	0.00	530,149.10	0.00	1,220,707.12	30.28
** REVENUE OVER (UNDER) EXPENDITURES **	0.00	(33,819.53)	0.00	(48,240.97)	0.00	48,240.97	0.00

C I T Y O F C H I C K A S H A
FINANCIAL STATEMENT (UNAUDITED)
AS OF: NOVEMBER 30TH, 2021

53 -CIP-DEDICATED SALES TAX
FINANCIAL SUMMARY

% OF YEAR COMPLETED: 41.67

	CURRENT BUDGET	CURRENT PERIOD	PRIOR YEAR EXPENSE	Y-T-D ACTUAL	Y-T-D ENCUMBRANCE	BUDGET BALANCE	% OF BUDGET
<u>REVENUE SUMMARY</u>							
TRANSFER OTHER FUNDS-EQU	2,615,000.00	220,871.42	0.00	1,152,376.37	0.00	1,462,623.63	44.07
INTEREST	7,500.00	443.73	0.00	3,574.04	0.00	3,925.96	47.65
PRIOR YEAR FUND BALANCE C	<u>135,149.31</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>135,149.31</u>	<u>0.00</u>
*** TOTAL REVENUES ***	<u>2,757,649.31</u>	<u>221,315.15</u>	<u>0.00</u>	<u>1,155,950.41</u>	<u>0.00</u>	<u>1,601,698.90</u>	<u>41.92</u>
<u>EXPENDITURE SUMMARY</u>							
53-DEDICATED SALE TAX-GG	<u>2,757,649.31</u>	<u>96,771.26</u>	<u>0.00</u>	<u>482,980.16</u>	<u>0.00</u>	<u>2,274,669.15</u>	<u>17.51</u>
*** TOTAL EXPENDITURES ***	<u>2,757,649.31</u>	<u>96,771.26</u>	<u>0.00</u>	<u>482,980.16</u>	<u>0.00</u>	<u>2,274,669.15</u>	<u>17.51</u>
** REVENUE OVER (UNDER) EXPENDITURES **	<u>0.00</u>	<u>124,543.89</u>	<u>0.00</u>	<u>672,970.25</u>	<u>0.00</u>	<u>(672,970.25)</u>	<u>0.00</u>

C I T Y O F C H I C K A S H A
FINANCIAL STATEMENT (UNAUDITED)
AS OF: NOVEMBER 30TH, 2021

54 -STREET AND ALLEY FUND
FINANCIAL SUMMARY

% OF YEAR COMPLETED: 41.67

	CURRENT BUDGET	CURRENT PERIOD	PRIOR YEAR EXPENSE	Y-T-D ACTUAL	Y-T-D ENCUMBRANCE	BUDGET BALANCE	% OF BUDGET
<u>REVENUE SUMMARY</u>							
STATE TAX	30,000.00	2,436.46	0.00	12,668.04	0.00	17,331.96	42.23
OTHER TAX	125,000.00	10,131.80	0.00	57,036.46	0.00	67,963.54	45.63
INTEREST	600.00	30.48	0.00	195.63	0.00	404.37	32.61
PRIOR YEAR FUND BALANCE C	32,262.00	0.00	0.00	0.00	0.00	32,262.00	0.00
*** TOTAL REVENUES ***	187,862.00	12,598.74	0.00	69,900.13	0.00	117,961.87	37.21
<u>EXPENDITURE SUMMARY</u>							
09-STREET & STORM	187,862.00	0.00	0.00	10,000.00	0.00	177,862.00	5.32
*** TOTAL EXPENDITURES ***	187,862.00	0.00	0.00	10,000.00	0.00	177,862.00	5.32
** REVENUE OVER(UNDER) EXPENDITURES **	0.00	12,598.74	0.00	59,900.13	0.00	(59,900.13)	0.00

C I T Y O F C H I C K A S H A
FINANCIAL STATEMENT (UNAUDITED)
AS OF: NOVEMBER 30TH, 2021

56 -CEMETERY CARE
FINANCIAL SUMMARY

% OF YEAR COMPLETED: 41.67

	CURRENT BUDGET	CURRENT PERIOD	PRIOR YEAR EXPENSE	Y-T-D ACTUAL	Y-T-D ENCUMBRANCE	BUDGET BALANCE	% OF BUDGET
<u>REVENUE SUMMARY</u>							
CEMETERY	35,000.00	4,875.00	0.00	14,106.88	0.00	20,893.12	40.31
INTEREST	6,500.00	17.76	0.00	629.01	0.00	5,870.99	9.68
PRIOR YEAR FUND BALANCE C	133,500.00	0.00	0.00	0.00	0.00	133,500.00	0.00
*** TOTAL REVENUES ***	175,000.00	4,892.76	0.00	14,735.89	0.00	160,264.11	8.42
<u>EXPENDITURE SUMMARY</u>							
06-CEMETERY MAINT.-C	175,000.00	0.00	0.00	0.00	0.00	175,000.00	0.00
*** TOTAL EXPENDITURES ***	175,000.00	0.00	0.00	0.00	0.00	175,000.00	0.00
** REVENUE OVER (UNDER) EXPENDITURES **	0.00	4,892.76	0.00	14,735.89	0.00	(14,735.89)	0.00

CITY OF CHICKASHA
FINANCIAL STATEMENT (UNAUDITED)
AS OF: NOVEMBER 30TH, 2021

61 -WATER METER FUND
FINANCIAL SUMMARY

% OF YEAR COMPLETED: 41.67

	CURRENT BUDGET	CURRENT PERIOD	PRIOR YEAR EXPENSE	Y-T-D ACTUAL	Y-T-D ENCUMBRANCE	BUDGET BALANCE	% OF BUDGET
<u>REVENUE SUMMARY</u>							
INTEREST	1,500.00	12.84	0.00	240.17	0.00	1,259.83	16.01
*** TOTAL REVENUES ***	1,500.00	12.84	0.00	240.17	0.00	1,259.83	16.01
<u>EXPENDITURE SUMMARY</u>							
36-LINE MAINTENANCE-BT	1,500.00	0.00	0.00	0.00	0.00	1,500.00	0.00
*** TOTAL EXPENDITURES ***	1,500.00	0.00	0.00	0.00	0.00	1,500.00	0.00
** REVENUE OVER (UNDER) EXPENDITURES **	0.00	12.84	0.00	240.17	0.00	(240.17)	0.00

C I T Y O F C H I C K A S H A
 FINANCIAL STATEMENT (UNAUDITED)
 AS OF: NOVEMBER 30TH, 2021

64 --POLICE BOND FUND
 FINANCIAL SUMMARY

% OF YEAR COMPLETED: 41.67

	CURRENT BUDGET	CURRENT PERIOD	PRIOR YEAR EXPENSE	Y-T-D ACTUAL	Y-T-D ENCUMBRANCE	BUDGET BALANCE	% OF BUDGET
<u>REVENUE SUMMARY</u>							
POLICE FINES	228,000.00	7,426.23	0.00	58,855.79	0.00	169,144.21	25.81
INTEREST	100.00	14.34	0.00	75.31	0.00	24.69	75.31
PRIOR YEAR FUND BALANCE C	11,750.00	0.00	0.00	0.00	0.00	11,750.00	0.00
*** TOTAL REVENUES ***	239,850.00	7,440.57	0.00	58,931.10	0.00	180,918.90	24.57
<u>EXPENDITURE SUMMARY</u>							
03-POLICE DEPARTMENT-PS	239,850.00	9,435.24	0.00	53,486.14	0.00	186,363.86	22.30
*** TOTAL EXPENDITURES ***	239,850.00	9,435.24	0.00	53,486.14	0.00	186,363.86	22.30
** REVENUE OVER (UNDER) EXPENDITURES **	0.00	(1,994.67)	0.00	5,444.96	0.00	(5,444.96)	0.00

C I T Y O F C H I C K A S H A
 FINANCIAL STATEMENT (UNAUDITED)
 AS OF: NOVEMBER 30TH, 2021

68 -WATER RESOURCE FUND
 FINANCIAL SUMMARY

% OF YEAR COMPLETED: 41.67

	CURRENT BUDGET	CURRENT PERIOD	PRIOR YEAR EXPENSE	Y-T-D ACTUAL	Y-T-D ENCUMBRANCE	BUDGET BALANCE	% OF BUDGET
<u>REVENUE SUMMARY</u>							
UTILITY SERVICE	75,000.00	6,135.00	0.00	30,641.00	0.00	44,359.00	40.85
INTEREST	1,000.00	22.31	0.00	632.65	0.00	367.35	63.27
PRIOR YEAR FUND BALANCE C	474,000.00	0.00	0.00	0.00	0.00	474,000.00	0.00
*** TOTAL REVENUES ***	550,000.00	6,157.31	0.00	31,273.65	0.00	518,726.35	5.69
<u>EXPENDITURE SUMMARY</u>							
68-WATER RESOURCES	550,000.00	38.00	0.00	204.08	0.00	549,795.92	0.04
*** TOTAL EXPENDITURES ***	550,000.00	38.00	0.00	204.08	0.00	549,795.92	0.04
** REVENUE OVER (UNDER) EXPENDITURES **	0.00	6,119.31	0.00	31,069.57	0.00	(31,069.57)	0.00

C I T Y O F C H I C K A S H A
 FINANCIAL STATEMENT (UNAUDITED)
 AS OF: NOVEMBER 30TH, 2021

71 -COMBINED INSURANCE
 FINANCIAL SUMMARY

% OF YEAR COMPLETED: 41.67

	CURRENT BUDGET	CURRENT PERIOD	PRIOR YEAR EXPENSE	Y-T-D ACTUAL	Y-T-D ENCUMBRANCE	BUDGET BALANCE	% OF BUDGET
<u>REVENUE SUMMARY</u>							
INSURANCE	1,228,894.00	168,007.57	0.00	852,623.48	0.00	376,270.52	69.38
MISC REVENUES	0.00	0.00	0.00	34,764.89	0.00	(34,764.89)	0.00
INTEREST	5,000.00	126.30	0.00	2,021.24	0.00	2,978.76	40.42
*** TOTAL REVENUES ***	1,233,894.00	168,133.87	0.00	889,409.61	0.00	344,484.39	72.08
<u>EXPENDITURE SUMMARY</u>							
71-COMBINED INSURANCE-CR	1,233,894.00	64,149.13	0.00	573,391.04	0.00	660,502.96	46.47
*** TOTAL EXPENDITURES ***	1,233,894.00	64,149.13	0.00	573,391.04	0.00	660,502.96	46.47
** REVENUE OVER (UNDER) EXPENDITURES **	0.00	103,984.74	0.00	316,018.57	0.00	(316,018.57)	0.00

C I T Y O F C H I C K A S H A
 FINANCIAL STATEMENT (UNAUDITED)
 AS OF: NOVEMBER 30TH, 2021

72 -COMPENSATED ABSENCES FUND
 FINANCIAL SUMMARY

% OF YEAR COMPLETED: 41.67

	CURRENT BUDGET	CURRENT PERIOD	PRIOR YEAR EXPENSE	Y-T-D ACTUAL	Y-T-D ENCUMBRANCE	BUDGET BALANCE	% OF BUDGET
<u>REVENUE SUMMARY</u>							
INSURANCE	123,322.00	10,263.34	0.00	51,316.62	0.00	72,005.38	41.61
INTEREST	0.00	4.82	0.00	29.95	0.00	(29.95)	0.00
*** TOTAL REVENUES ***	123,322.00	10,268.16	0.00	51,346.57	0.00	71,975.43	41.64
<u>EXPENDITURE SUMMARY</u>							
72-COMPENSATED ABSENCES	123,322.00	20,588.67	0.00	120,193.89	0.00	3,128.11	97.46
*** TOTAL EXPENDITURES ***	123,322.00	20,588.67	0.00	120,193.89	0.00	3,128.11	97.46
** REVENUE OVER(UNDER) EXPENDITURES **	0.00	(10,320.51)	0.00	(68,847.32)	0.00	68,847.32	0.00



City of
CHICKASHA

Meeting Type: 1/3/2022 6:30 PM, City Council Meeting

Meeting Date: 1/3/2022

Department: City Clerk

Agenda Item No. 6.a.

AGENDA ITEM: Discussion, consideration and possible action to appoint a registered voter residing in Ward 2 to fill the vacancy created by Clark VanDyck's resignation until the expiration of the current term in April 2022.

I. BACKGROUND/DESCRIPTION:

With the resignation of Council Member Clark VanDyck, the Mayor puts forth Nate McCalla of 108 Maple Lane, Chickasha, Oklahoma as Council Member for Ward 2, Position 2 until April 2022.

If presentment of candidate is approved by Council, an Oath of Office will be administered to Mr. McCalla.

II. RECOMMENDED ACTION:

Appoint Nate McCalla of 108 Maple Lane, Chickasha, Oklahoma to Ward 2, Position 2 Council Member until expiration of current term in April 2022.

III. FISCAL INFORMATION -

IV. FUND INFORMATION:

Dept. Director:	Fund	Account	Amount
	(To)		
	FUND	ACCOUNT	AMOUNT
Meeting Date: January 3, 2022	(From)		

V. ATTACHMENTS:



City of
CHICKASHA

Meeting Type: 1/3/2022 6:30 PM, City Council Meeting

Meeting Date: 1/3/2022

Department: Community Development

Agenda Item No. 6.b.

AGENDA ITEM: Public Hearing - to discuss and consider the approval for the Final Plat of Sleepy Hollow 3rd Additional Phase 3

I. BACKGROUND/DESCRIPTION:

II. RECOMMENDED ACTION:

Hold Public Hearing

III. FISCAL INFORMATION -

IV. FUND INFORMATION:

Dept. Director: Rachel Bernish, Community Development Director	Fund	Account	Amount
	(To)		
	FUND	ACCOUNT	AMOUNT
Meeting Date: January 3, 2022	(From)		

V. ATTACHMENTS:



City of
CHICKASHA

Meeting Type: 1/3/2022 6:30 PM, City Council Meeting

Meeting Date: 1/3/2022

Department: Community Development

Agenda Item No. 6.c.

AGENDA ITEM: Discussion, consideration and possible action to approve the Final Plat for Sleepy Hollow 3rd Addition Phase 3

I. BACKGROUND/DESCRIPTION:

This is the final plat for sleepy hollow addition.

This will include 50 lots for applicant JYM Investments LLC

This was approved by the Planning Commission at the November meeting and approved by City Engineer Dan Andrulonis.

There are two attached memos from SRB one stating this drainage has been reviewed in conjunction with the master drainage plan and one requested by City Manager Tyler Brooks to explain that even though they are adding so much improved surfaces they amount of run off is being maintained.

II. RECOMMENDED ACTION:

Staff Recommends to approve

III. FISCAL INFORMATION -

IV. FUND INFORMATION:

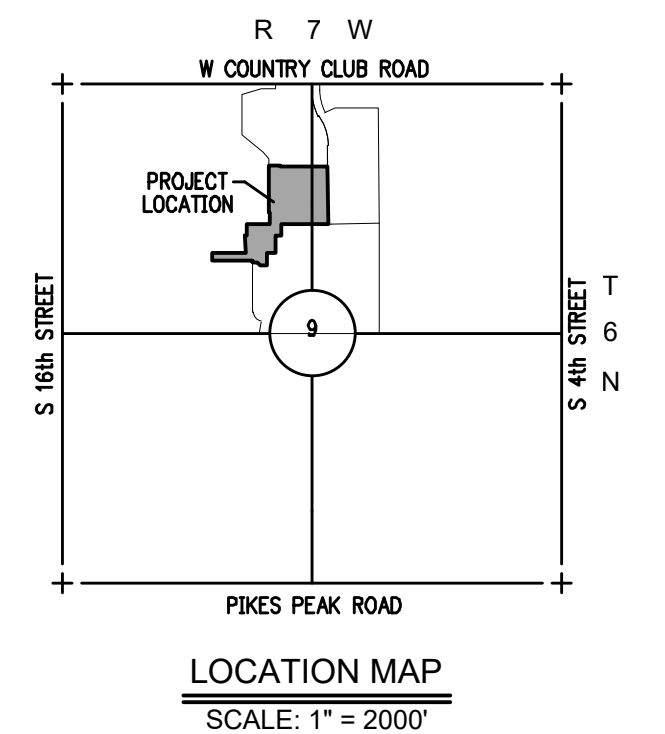
Dept. Director: Rachel Bernish, Community Development Director	Fund	Account	Amount
	(To)		
	FUND	ACCOUNT	AMOUNT
Meeting Date: December 6, 2021	(From)		

V. ATTACHMENTS:

1. SLEEPY HOLLOW 3RD ADDITION - PH 3 - PAVING PLANS (9.1.21)
2. SLEEPY HOLLOW 3RD ADDITION - PH 3 - SEWER (9.1.21)
3. SLEEPY HOLLOW 3RD ADDITION - PH 3 - WATER (9.1.21)
4. Sleepy Hollow 3rd Addition, Phase 3 - Final Plat (09.01.21)
5. Sleepy Hollow 3rd Addition Phase 3 - Drainage Report (09.01.21)
6. Memo 12.15.21
7. Memo 12.10.21

[illegible]

PAVING AND DRAINAGE PLANS
TO SERVE
SLEEPY HOLLOW 3RD ADDITION
PHASE 3
LANE MILES: 0.41
A PART OF THE N/2, SECTION 9, T6N, R7W, I.M.
CHICKASHA, GRADY COUNTY, OKLAHOMA



SHEET NO.	DESCRIPTION
C-001 C-101 C-102 C-103 C-104 C-105 C-106 C-201 C-202 C-203 C-204 C-205 C-206 C-501 C-502	COVER FINAL PLAT 1 FINAL PLAT 2 OVERALL PAVING PLAN GRADING PLAN DRAINAGE MAP ADA SIDEWALK PLAN HAZY BROOK CIRCLE SHADY MEADOW WAY HICKORY STICK DRIVE SLEEPY HOLLOW BOULEVARD HICKORY STICK DRIVE (S) STORM SEWER A EROSION CONTROL NOTES & DETAILS EROSION CONTROL PLAN
ONE CALL UTILITY LOCATION NUMBER	
840-5032 1-800-522-6543	This number is to be used for information on the location of all underground utilities. Contact this number and other numbers specified in the plans prior to any excavation.
Crafton Tull architecture | engineering | surveying 405.787.6270 | 405.787.6276 | www.craftontull.com CERTIFICATE OF AUTHORIZATION: CA 973 (PEL/S) EXPIRES 6/30/2022	SUBMITTAL DATES TO OKC CHECK PRINT #1 Date: _____ CHECK PRINT #2 Date: _____ FINAL PLANS Date: _____
PREPARED BY: JASON A. SPENCER (405) 787-6270 REGISTERED PROFESSIONAL ENGINEER RENEWAL DATE: <u>02/28/2023</u>	CONSTRUCTION MUST BEGIN WITHIN ONE (1) YEAR FROM THE DATE OF APPROVAL, OR THAT APPROVAL IS WITHDRAWN. DEPARTMENT OF PUBLIC WORKS ENGINEERING DIVISION
	Field Checked by: _____ Date: _____ Checked by: _____ Date: _____ Checked by: _____ Date: _____ Checked by: _____ Date: _____ APPROVED: City Engineer _____ Date: _____
PAVING & DRAINAGE PLANS TO SERVE SLEEPY HOLLOW 3RD ADDITION PHASE 3	(---)

- GENERAL NOTES:
1. CONSTRUCTION WILL BE IN ACCORDANCE WITH THE CITY OF CHICKASHA STANDARD SPECIFICATIONS FOR CONSTRUCTION OF PUBLIC IMPROVEMENTS, A PUBLICATION FURNISHED BY THE CITY OF CHICKASHA THAT OUTLINES THE MINIMUM STANDARDS OF WORKMANSHIP, MATERIALS, TESTING, AND METHODS OF CONSTRUCTION EXPECTED IN PUBLIC AND PRIVATE DEVELOPMENT WORK, WITHIN THE CITY LIMITS.
 2. ANY PAY QUANTITY ITEM, OR QUALITY TESTING PROCEDURE OUTLINED IN THE CITY'S STANDARDS THAT IS NOT CLEARLY ADDRESSED IN THE ABOVE PAY QUANTITY TABLE, OR THE CONTRACT AGREEMENT BETWEEN DEVELOPER AND CONTRACTOR WILL BE CONSIDERED AS AN INCIDENTAL PAY ITEM, AND WOULD BE IMPLEMENTED AND PAID FOR BY THE CONTRACTOR.
 3. TESTING OF MATERIALS & WORKMANSHIP SHALL BE UNDERTAKEN AS OUTLINED IN THE CITY'S STANDARDS, RESULTS SHALL BE PROVIDED TO THE CITY ENGINEER OR HIS DESIGNATED REPRESENTATIVE IN A TIMELY FASHION. THE CONTRACTOR SHALL COORDINATE AND FACILITATE THE DUTIES OF THE CITY'S DESIGNATED REPRESENTATIVE DURING CONSTRUCTION.
 4. TRAFFIC CONTROL, AS OUTLINED BY THE CITY'S STANDARDS AND THE PUBLICATION "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREET AND HIGHWAYS", WILL BE IMPLEMENTED. THE CONTRACTOR IS RESPONSIBLE FOR THE PROMPT REPLACEMENT AND/OR REPAIR OF ALL TRAFFIC CONTROL DEVICES AND APPURTENANCES DAMAGED OR DISTURBED DUE TO CONSTRUCTION.
 5. A NOTICE OF INTENT (NOI) SHOULD BE SUBMITTED 30 DAYS PRIOR TO THE INITIAL DISTURBANCE OF SOILS.
 6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PLACEMENT, REPLACEMENT OR REPAIR OF ALL EROSION CONTROL DEVICES DAMAGED DUE TO CONSTRUCTION.
 7. A COPY OF THE EROSION CONTROL SITE PLAN MUST BE ON SITE AT ALL TIMES AND MADE AVAILABLE TO THE INSPECTOR UPON REQUEST.
 8. THE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL OF ALL PAVEMENT MARKINGS THAT WILL BE IN CONFLICT WITH THE PROPOSED WORK.
 9. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH CITY OF CHICKASHA STANDARD SPECIFICATIONS.
 10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF ALL UTILITIES, EITHER PUBLIC OR PRIVATE, AND SHALL SATISFY HIMSELF AS TO THEIR ACTUAL LOCATION PRIOR TO COMMENCING CONSTRUCTION.
 11. ALL FILLS ON THIS PROJECT, INCLUDING ON LOTS, ARE TO BE CONTROLLED FILLS, AND SHALL BE PLACED IN LIFTS OR LAYERS NOT TO EXCEED 8-INCHES LOOSE MEASURE AND COMPACTED TO MINIMUM DENSITY OF NOT LESS 95 PERCENT OF MAXIMUM DENSITY, IN ACCORDANCE WITH ASTM D1557, AT MOISTURE CONTENT OF NOT LESS THAN 1 PERCENT BELOW AND NOT MORE THAN 3 PERCENT ABOVE OPTIMUM MOISTURE CONTENT.
 12. CONSTRUCTION ACTIVITIES THAT RESULT IN LAND DISTURBANCE OF EQUAL TO OR GREATER THAN ONE (1) ACRE, OR LESS THAN ONE (1) ACRE IF THEY ARE PART OF A LARGER COMMON PLAN OF DEVELOPMENT OR SALE THAT TOTALS AT LEAST ONE (1) ACRE MUST ALSO OBTAIN A PERMIT FROM ODEQ (form 605-002a) FOR STORM WATER DISCHARGES FROM CONSTRUCTION ACTIVITIES.
 13. ALL PIPE AND CONCRETE BOX CULVERT JOINTS ARE TO CONTAIN THE APPROPRIATE GASKET OR JOINT MATERIAL. RCP WITH "O" RINGS AND ALUMINIZED CORRUGATED METAL PIPE WITH "GASKETS" SHALL BE INSTALLED UNDER STREETS AND ROADWAYS, NEXT TO CURBS, AND BETWEEN HOUSES. ALL JOINTS ON RCP, RCB, AND CMP SHALL BE WRAPPED WITH A TWO FOOT WIDE FILTER FABRIC STRIP AROUND THE JOINT AND OVERLAPPING TWO FEET.
 14. THE CONTRACTOR SHALL ONLY PROVIDE A CURB DEPRESSION WHERE HANDICAP RAMPS ARE SHOWN ON THE CONSTRUCTION PLAN. HANDICAP RAMP TO BE CONSTRUCTED BY OTHERS AT THE TIME OF SIDEWALK CONSTRUCTION.
 15. 63 OKLAHOMA STATUTE ANNOTATED 63§ 981: ACTIVITY WITHIN SIX FEET OF HIGH VOLTAGE OVERHEAD LINE OR CONDUCTOR PROHIBITED: NO PERSON, FIRM, CORPORATION OR ASSOCIATION SHALL, INDIVIDUALLY OR THROUGH AN AGENT OR EMPLOYEE AND NO PERSON AS AN AGENT OR EMPLOYEE OF ANY PERSON, FIRM, CORPORATION OR ASSOCIATION, SHALL PERFORM OR PERMIT ANY AGENT OR EMPLOYEE TO PERFORM ANY FUNCTION OR ACTIVITY UPON ANY LAND, BUILDING, HIGHWAY, OR OTHER PREMISES, WHEN IT IS POSSIBLE DURING THE PERFORMANCE OF SUCH ACTIVITY FOR ANY PERSON OR EMPLOYEE ENGAGED IN PERFORMING WORK CONNECTED WITH OR RELATED TO SUCH FUNCTION OR ACTIVITY TO MOVE TO OR TO BE PLACED IN A POSITION WITHIN SIX (6) FEET OF ANY HIGH VOLTAGE OVERHEAD ELECTRICAL LINE OR CONDUCTOR, OR WHEN IT IS POSSIBLE FOR ANY PART OF ANY TOOL, EQUIPMENT, MACHINERY OR MATERIAL TO BE USED BY ANY SUCH PERSON OR EMPLOYEE TO BE BROUGHT WITHIN SIX (6) FEET OF ANY SUCH OVERHEAD HIGH VOLTAGE LINE OR CONDUCTOR THROUGH ANY LATERAL, VERTICAL OR SWINGING MOTION DURING THE PERFORMANCE OF SUCH FUNCTION OR ACTIVITY.

DETAILS	
D-010	STORM WATER EROSION AND SEDIMENT PROCEDURES
S-1	STANDARD TYPICAL SECTIONS ASPHALTIC CONCRETE PAVING
D-101	STANDARD STORM SEWER INLETS DESIGN 2 INLET WITH CAST STEEL HOODS
D-106	STANDARD INLET FRAME DETAILS FOR DESIGN #2 & #5
D-300	STANDARD TYPICAL SECTIONS DRIVEWAY DETAILS
D-400	STANDARD DETAILS FOR CUL-DE-SAC
D-406	CAST-IN-PLACE CONCRETE HEADWALLS
	FOR 15" TO 42" REINFORCED CONCRETE PIPES
S-306	STANDARD TYPICAL SECTIONS MISCELLANEOUS DETAILS
D-501	STANDARD CHANNEL LINER & FLUME DETAILS
D-700-A	ADA CURB RAMP DETAILS
D-700-B	ADA CURB RAMP DETAILS

OWNER'S CERTIFICATE AND DEDICATION

KNOW ALL MEN BY THESE PRESENTS: That JYM INVESTMENTS, LLC, does hereby certify that they are the owners of and the only persons, firms or corporation having any rights, title, or interest in and to the land shown on the annexed plat and that they have caused the same to be surveyed and platted, and that they hereby dedicate all the streets and easements shown hereon to the public, for the purposes of streets, utilities, and drainage, for their heirs, executors, administrators, successors, and assign forever, and have caused the same to be released from all encumbrances so that the title is clear, except as shown in the abstractor's certificate.

IN WITNESS WHEREOF, the undersigned have caused this instrument to be executed this ____ day of _____, _____. Covenants, reservations, and restrictions for this addition are contained in a separate instrument.

JYM INVESTMENTS, LLC

Jalal Farzaneh, Manager

STATE OF OKLAHOMA)
)SS:
COUNTY OF CLEVELAND)

Before me, the undersigned Notary Public, in and for said County and State on this ____ day of _____, _____, personally appeared Jalal Farzaneh, to me known to be the identical person who executed the within and foregoing instrument, as a free and voluntary act and deed, for the uses and purposes herein set forth.

MY COMMISSION EXPIRES:
May 02, 2023

NOTARY PUBLIC, #11004011

LEGAL DESCRIPTION

A tract of land situate within a portion of the North Half (N/2) of Section Nine (9), Township Six North (T6N), Range Seven West (R7W) of the Indian Meridian (I.M.) in Chickasha, Grady County, Oklahoma, being more particularly described as follows:

BEGINNING at the Southeast corner of Lot 7, Block 16 of SLEEPY HOLLOW 3RD ADDITION, PHASE 1, according to the recorded plat thereof; thence

S00°21'17"E along the exterior boundary line of BLOCK 2, SLEEPY HOLLOW ADDITION, according to the recorded plat thereof, a distance of 600.00 feet to a point on the exterior boundary line of SECOND ADDITION, SLEEPY HOLLOW ADDITION, according to the recorded plat thereof; thence along said exterior boundary line the following Nine (9) courses:

- S89°38'41"W a distance of 485.01 feet; thence
- S00°21'17"E a distance of 120.00 feet; thence
- S89°38'43"W a distance of 65.00 feet; thence
- S00°21'17"E a distance of 180.00 feet; thence
- S89°38'43"W a distance of 90.00 feet; thence
- S00°21'17"E a distance of 125.00 feet; thence
- S89°38'43"W a distance of 75.00 feet; thence
- N45°21'17"W a distance of 35.36 feet; thence
- S89°38'43"W a distance of 50.00 feet to a point on the exterior boundary line of SLEEPY HOLLOW 3RD ADDITION, PHASE 2 according to the recorded plat thereof; thence along said exterior boundary line the following Two (2) courses:

LAND SURVEYOR'S CERTIFICATE

I, DENVER WINCHESTER, do hereby certify that I am a PROFESSIONAL LAND SURVEYOR, and that the annexed plat represents a survey made under my direction, and that the monuments noted hereon actually exist and their positions are correctly shown.

DENVER WINCHESTER, PLS 1952

STATE OF OKLAHOMA)
)SS:
COUNTY OF OKLAHOMA)

Before me, the undersigned Notary Public, in and for said County and State on this ____ day of _____, _____, personally appeared DENVER WINCHESTER, to me known to be the identical person who executed the within and foregoing instrument, as a free and voluntary act and deed, for the uses and purposes herein set forth.

MY COMMISSION EXPIRES:
March 28, 2023

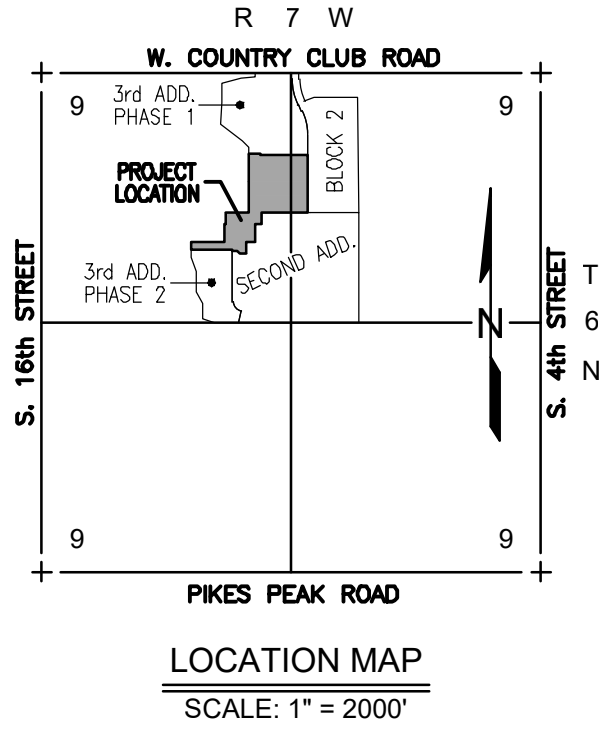
NOTARY PUBLIC, #03005138

CITY PLANNING COMMISSION APPROVAL

I, _____, Planning Director of the City of Chickasha, do certify that the Chickasha Planning Commission duly approved this plat on the ____ day of _____, _____.

PLANNING DIRECTOR

FINAL PLAT
OF
SLEEPY HOLLOW 3RD ADDITION
PHASE 3
A PART OF THE N/2, SECTION 9, T6N, R7W, I.M.
CHICKASHA, GRADY COUNTY, OKLAHOMA



- N00°21'17"W a distance of 20.00 feet; thence
- S89°38'43"W a distance of 425.00 feet; thence

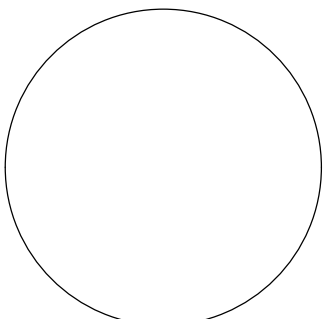
N00°21'17"W a distance of 80.00 feet; thence
N89°38'43"E a distance of 350.00 feet; thence
N00°21'17"W a distance of 180.00 feet; thence
N89°38'43"E a distance of 15.00 feet; thence
N00°21'17"W a distance of 120.00 feet; thence
N89°38'43"E a distance of 240.01 feet; thence
N00°21'17"W a distance of 125.01 feet; thence
S89°38'43"W a distance of 5.00 feet; thence
N00°21'17"W a distance of 490.00 feet to a point on the exterior boundary line of SLEEPY HOLLOW 3RD ADDITION, PHASE 1, according to the recorded plat thereof; thence along said exterior boundary line the following Three (3) courses:

- N89°38'43"E a distance of 125.00 feet; thence
- S00°21'22"E a distance of 15.00 feet; thence
- N89°38'43"E a distance of 490.00 feet to the POINT OF BEGINNING.

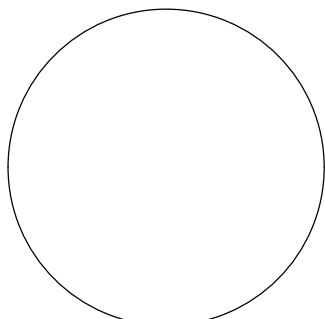
Said tract contains 521,940 Sq Ft or 11.98 Acres, more or less.



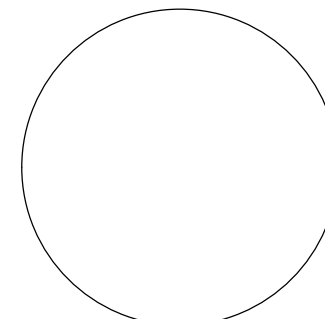
Owner's Notary
Seal



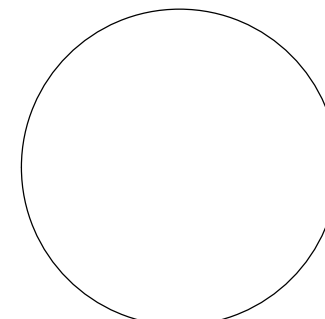
County Treasurer's
Seal



Bonded Abstractor's
Seal



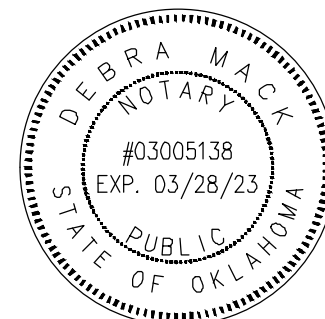
City CORPORATE
Seal



City Clerk
Seal



Land Surveyor's
Seal



Surveyor's Notary
Seal

BONDED ABSTRACTOR'S CERTIFICATE

The undersigned, a duly qualified and lawful bonded abstractor of titles, in and for the County of GRADY, State of OKLAHOMA, hereby certifies that the records of said county show that the title to the land on the annexed plat is vested in JYM INVESTMENTS, LLC, that on the ____ day of _____, _____ there are no actions pending or judgements of any nature in any court or on file with the clerk of any court in said county and state against said land, or the owners thereof, and that the taxes are paid for the year _____, and prior years, that there are no outstanding tax sales certificates against said land, and no tax deeds are issued to any one person, that there are no liens, mortgages or other encumbrances of any kind against the land included in the annexed plat, except mortgages, mineral rights, water rights, and easements of record previously reserved, excepted or granted.

IN WITNESS WHEREOF, said bonded abstractor has caused this instrument to be executed this ____ day of _____, _____.

WASHITA VALLEY ABSTRACT COMPANY

VICE-PRESIDENT

COUNTY TREASURER'S CERTIFICATE

I, _____, do hereby certify that I am the duly elected, qualified and acting County Treasurer of GRADY COUNTY, STATE of OKLAHOMA, that the tax records of said County show all taxes are paid for the year _____, and prior years on the land shown on the annexed plat, that the required statutory security has been deposited in the office of the county treasurer, guaranteeing payment of the current years taxes.

IN WITNESS WHEREOF, said County Treasurer has caused this instrument to be executed at the CITY of CHICKASHA, OKLAHOMA, this ____ day of _____, _____.

COUNTY TREASURER

ACCEPTANCE OF DEDICATION OF CITY COUNCIL

Be it resolved by the Council of the CITY of CHICKASHA, OKLAHOMA, that the dedications shown on the annexed plat are hereby accepted, adopted by the Council of the CITY of CHICKASHA, OKLAHOMA, this ____ day of _____, _____.

ATTEST:

CITY CLERK

MAYOR

CERTIFICATE OF CITY CLERK

I, _____, City Clerk of the CITY of CHICKASHA, STATE of OKLAHOMA, hereby certify that I have examined the records of said City and find that all deferred payments or unmatrued instalments upon special assessment have been paid in full and that there is no special assessment procedure now pending against the land shown on the annexed plat on this ____ day of _____, _____.

CITY CLERK

ADDRESSES

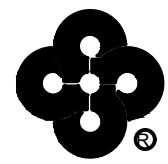
Any addresses shown on this plat were accurate at the time this plat was filed. Addresses are subject to change and should never be relied upon in place of legal description.

NOTES

- This plat of survey meets the Oklahoma Minimum Standards for the Practice of Land Surveying as adopted by the Oklahoma State Board of Licensure for Professional Engineers and Land Surveyors and that said Final Plat complies with the requirements of Title 11, Section 41-108 of the Oklahoma State Statutes.
- Monuments shall be as follows:
Magnetic Nail with Washer stamped "CTA CA973" for all Paved Surfaces or
3/8" Iron Rod with a Plastic Cap stamped "CTA CA973"
- The term "Certify" or "Certification" and "Correct" as noted hereon and as it pertains to land surveying services as shown on this document shall mean, "a statement signed by the Professional Land Surveyor based on the facts and knowledge known to the Professional Land Surveyor at the time of the survey and is not a guarantee or warranty, either implied or expressed.
- A title search was not conducted by a Certified Title Company. All documents were provided by the client/clients and/or researched by the Surveyor, and may be subject to record/unrecorded: easements, rights-of-way, covenants, building setback lines, subdivision restrictions, zoning, land regulations with an accurate title search may reveal.

FINAL PLAT
SLEEPY HOLLOW 3RD ADDITION PHASE 3

300 Points Parkway Blvd.
Yukon, Oklahoma 73099

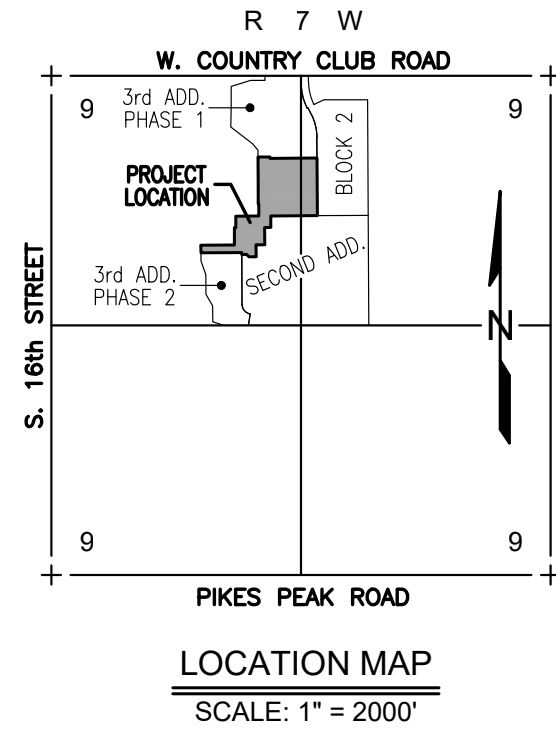


Crafton Tull
architecture | engineering | surveying
405.787.6270 | 405.787.6276 |
www.craftontull.com

SHEET NO.: 1 OF 2
DATE: 09/01/21
PROJECT NO.: 21609100

CERTIFICATE OF AUTHORIZATION:
CA 973 (PES) EXPIRES 6/30/2022

A PART OF THE N/2, SECTION 9, T6N, R7W, I.M.
CHICKASHA, GRADY COUNTY, OKLAHOMA



LEGEND

P.O.B.	POINT OF BEGINNING
EX.	EXISTING
R/W	RIGHT-OF-WAY
BL	BUILDING LIMIT LINE
U/E	UTILITY EASEMENT
D/E	DRAINAGE EASEMENT
P/D/E	PRIVATE DRAINAGE EASEMENT

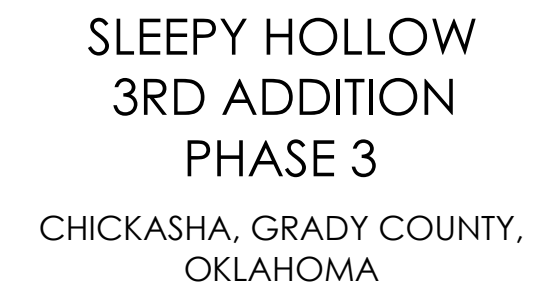
ADDRESSES

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NOTES

1. This plat of survey meets the Oklahoma Minimum Standards for the Practice of Land Surveying as adopted by the Oklahoma State Board of Licensure for Professional Engineers and Land Surveyors and that said Final Plat complies with the requirements of Title 11, Section 41-108 of the Oklahoma State Statutes.
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Magnetic Nail with Washer stamped "CTA CA973" for all Paved Surfaces or
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3. The term "Certify" or "Certification" and "Correct" as noted hereon and as it pertains to land surveying services as shown on this document shall mean, "a statement signed by the Professional Land Surveyor based on the facts and knowledge known to the Professional Land Surveyor at the time of the survey and is not a guarantee or warranty, either implied or expressed.
4. A title search was not conducted by a Certified Title Company. All documents were provided by the client/clients and/or researched by the Surveyor, and may be subject to record/unrecorded: easements, rights-of-way, covenants, building setback lines, subdivision restrictions, zoning, land regulations with an accurate title search may reveal.

FINAL PLAT	
SLEEPY HOLLOW 3RD ADDITION PHASE 3	
300 Pointe Parkway Blvd. Yukon, Oklahoma 73099  Craffton Tull architecture engineering surveying 405.787.6270 405.787.6276 f www.crafftontull.com	SHEET NO.: 2 OF 2 DATE: 09/01/21 PROJECT NO.: 21609100
CERTIFICATE OF AUTHORIZATION: CA-1973 (P)ISSUED EXPIRES 06/30/2022	

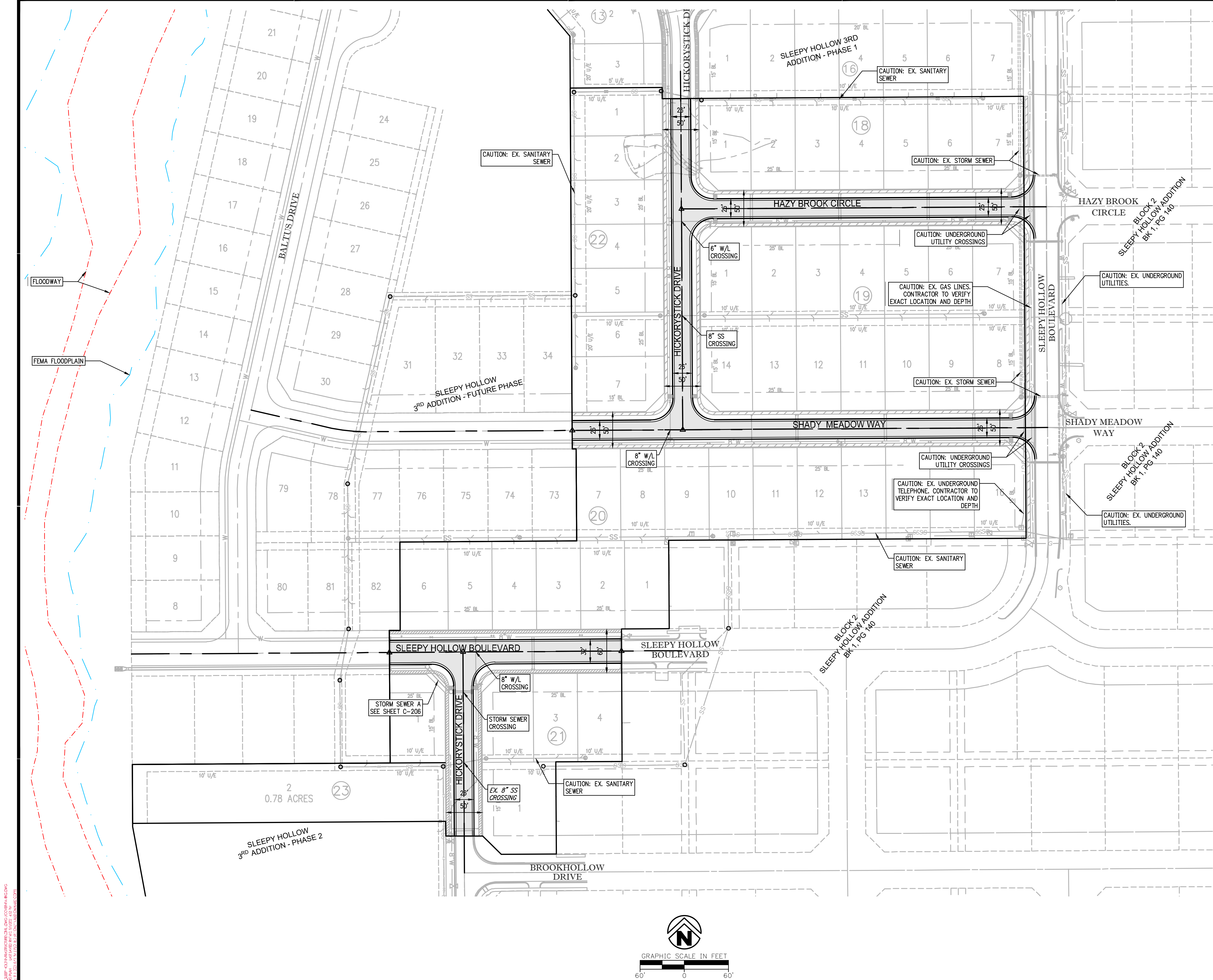
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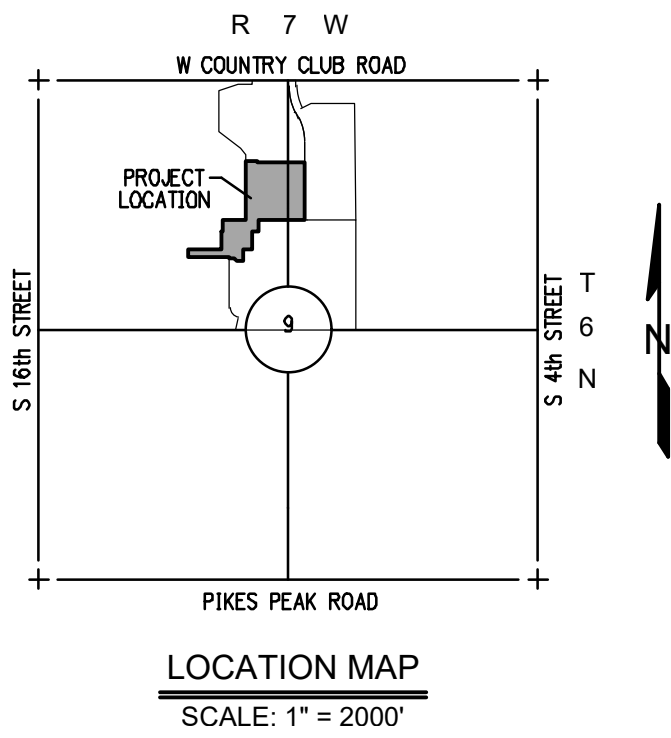
ISSUE

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C-103

SLEEPY HOLLOW 3RD ADDITION PHASE 3 ----
Page 59 of 318





CERTIFICATE OF AUTHORIZATION
CA 973 (PE/LS) EXPIRES 6/30/202

Key Plan

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PROJECT NO: 21609100

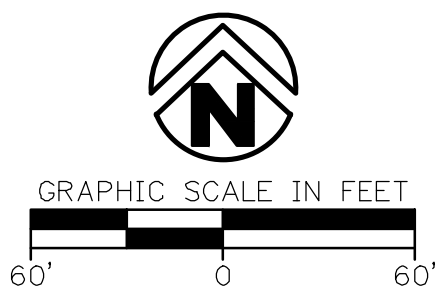
CONTACT: JASON SPENCER

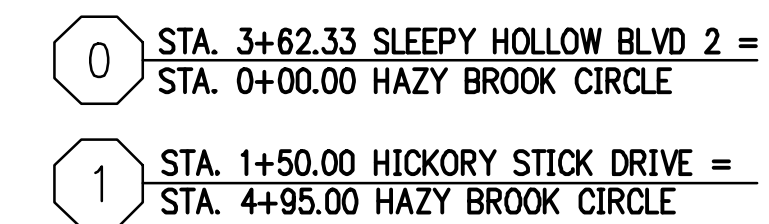
ISSUED FOR
CONSTRUCTION

ADA SIDEWALK PLAN

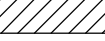
SLEEPY HOLLOW 3RD ADDITION PHASE 3
Page 62 of 62

- | | |
|---|----|
| ADA COMPLIANT
RAMPS | 10 |
| ADA FLUME CROSSING | 0 |
| 4' SIDEWALK ALONG
COMMON AREA (L.F.) | 0 |

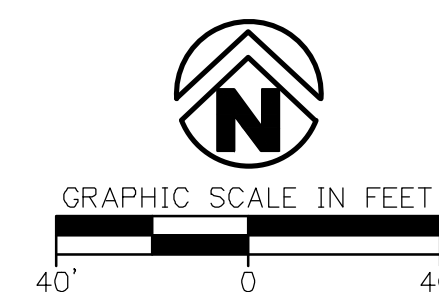




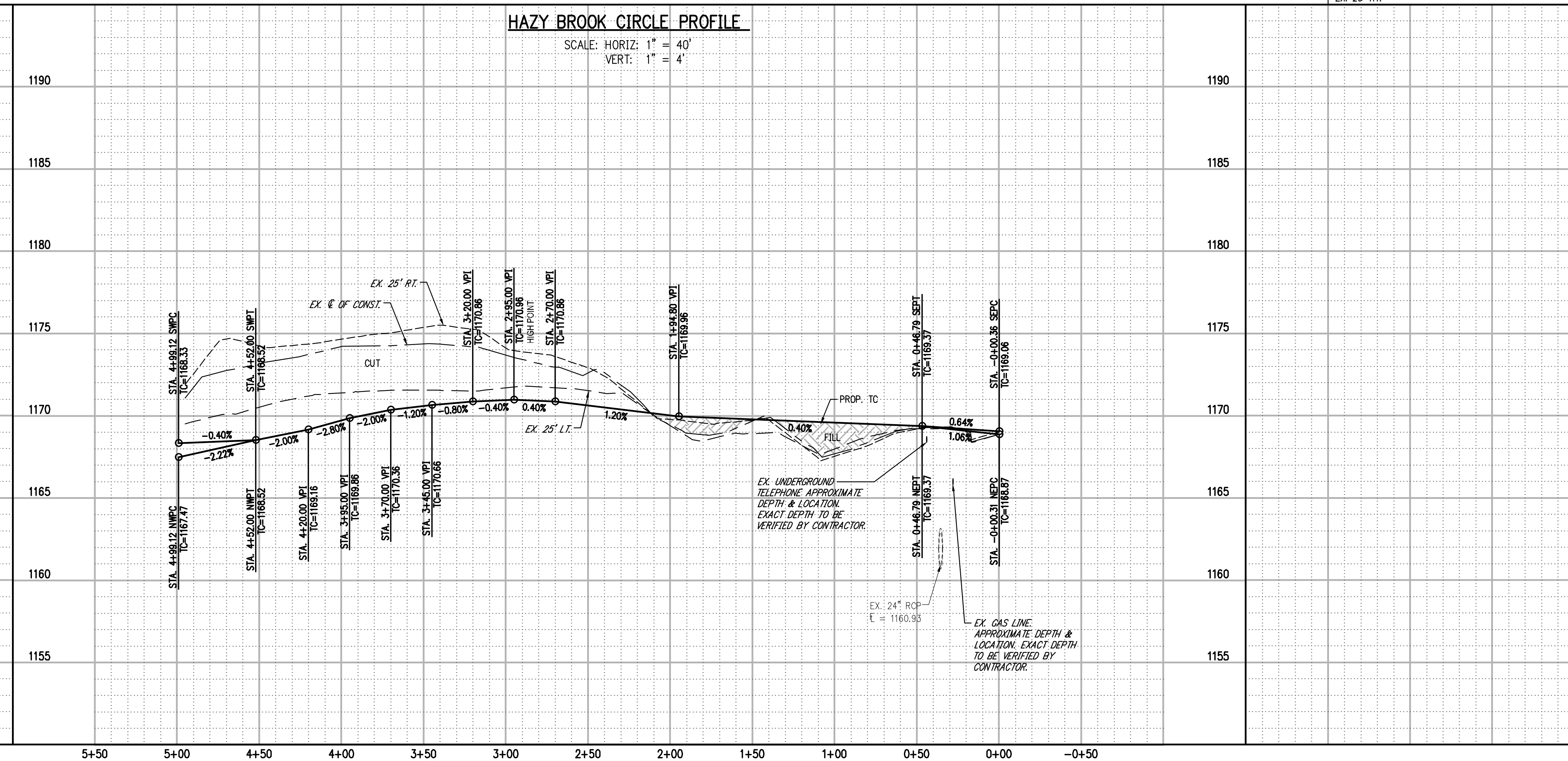
CURVE #	LENGTH	RADIUS	DELTA
R1	47.12'	30.00'	90°00'00"
R2	47.12'	30.00'	90°00'00"
R3	47.10'	30.00'	89°57'03"
R4	47.15'	30.00'	90°02'32"

OMIT CROWN (V) (W) (X)	<u>LEGEND</u>  WATER VALVE CURB MARKING WATER SERVICE CURB MARKING UTILITY CROSSING (SEE PROFILE)
--	--

WATER LINE SANITARY SEWER LINE PROP TC - EX. $\frac{1}{2}$" OF CONST. - EX. 25' LT. - EX. 25' RT. -	_____ W _____ _____ SS _____ _____ _____ _____ _____
--	--



HAZY BROOK CIRCLE PLAN



NOTES:
SEE PLAN VIEW
FOR SPOT ELEVATIONS.
FILL COMPACTED TO 95%
STANDARD PROCTOR DENSITY

SLEEPY HOLLOW
3RD ADDITION
PHASE 3
CHICKASHA, GRADY COUNTY,
OKLAHOMA

Key Plan

[illegible]

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PROJECT NO: 21609100

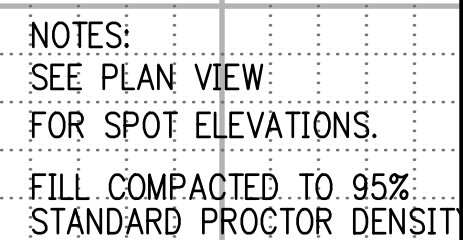
ISSUE DATE: 09/01/21

CONTACT:

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CONSTRUCTION

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C-201



Key Plan

[illegible]

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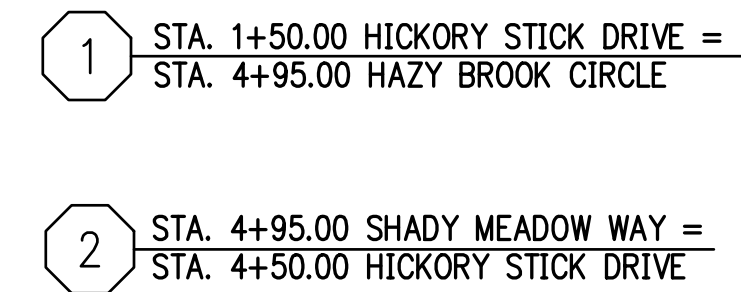
PROJECT NO: 21609100
ISSUE DATE: 09/01/21
CONTACT: JASON SPENCER
CHECKED BY:

ISSUED FOR
CONSTRUCTION

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SHADY MEADOW WAY

C-202



CURVE #	LENGTH	RADIUS	DELTA
R5	47.12'	30.00'	90°00'00"
R6	47.12'	30.00'	90°00'00"

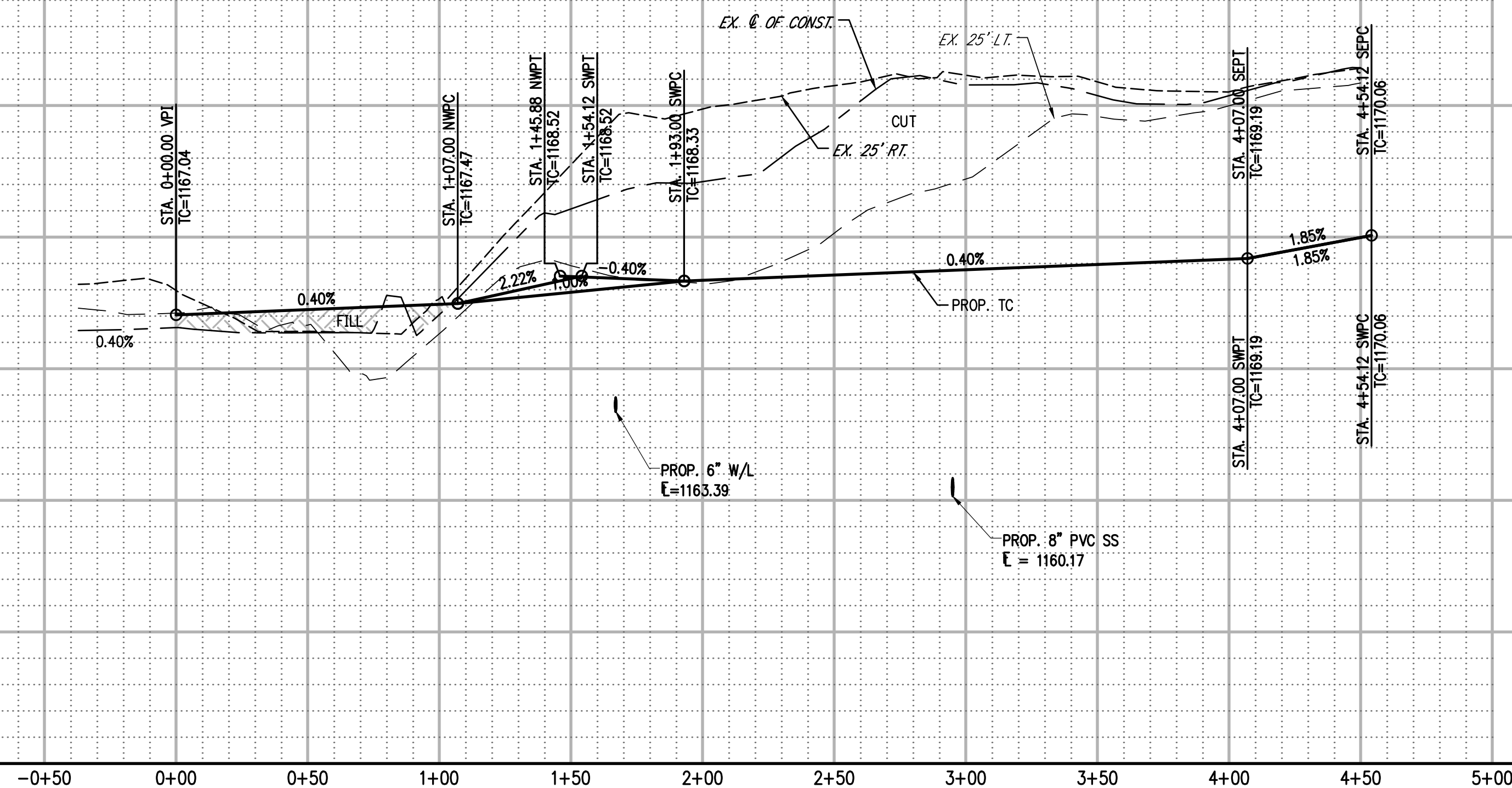
LEGEND

OMIT CROWN	
	WATER VALVE CURB MARKING
	WATER SERVICE CURB MARKING
	UTILITY CROSSING (SEE PROFILE)

WATER LINE	———W———
SANITARY SEWER LINE	———SS———
PROP TC —	—————
EX. 25' LT. —	- - - - -
EX. 25' RT. —	- - - - -

HICKORY STICK DRIVE PROFILE

SCALE: HORIZ: 1" = 40'
VERT: 1" = 4'



NOTES:
SEE PLAN VIEW
FOR SPOT ELEVATIONS.

Key Plan

[illegible]

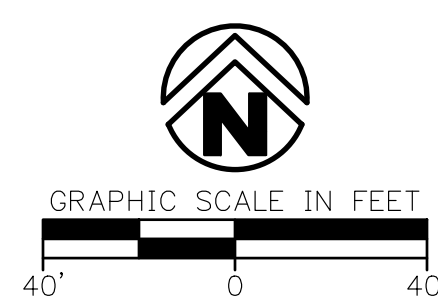
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PROJECT NO: 21609100
ISSUE DATE: 09/01/21
CONTACT: JASON SPENCER
CHECKED BY:

ISSUED FOR
CONSTRUCTION

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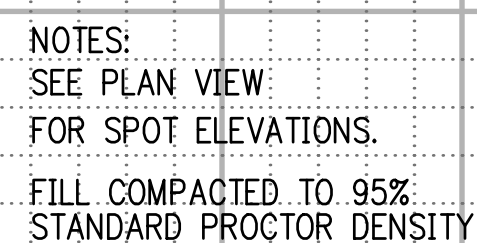
C-203



3 STA. 2+15.00 SLEEPY HOLLOW BOULEVARD =
STA. 0+00.00 HICKORY STICK DRIVE (S)

SLEEPY HOLLOW BOULEVARD PROFILE

SCALE: HORIZ: 1" = 40'
VERT: 1" = 4'



Key Plan

[illegible]

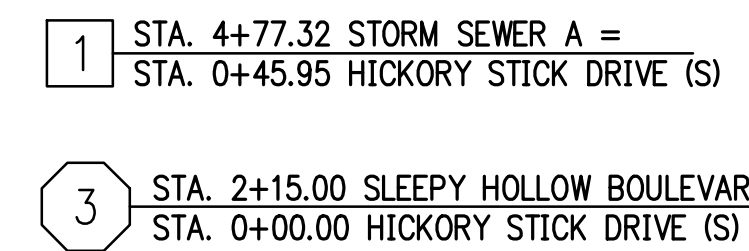
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PROJECT NO: 21609100
ISSUE DATE: 09/01/21
CONTACT: JASON SPENCER
CHECKED BY:

ISSUED FOR
CONSTRUCTION

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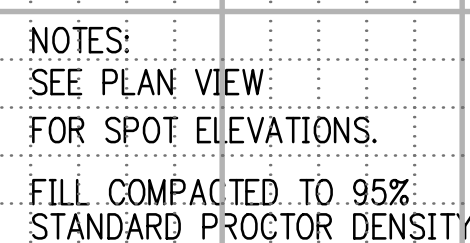
C-204



OMIT CROWN		LEGEND
		WATER VALVE CURB MARKING
		WATER SERVICE CURB MARKING
		UTILITY CROSSING (SEE PROFILE)
WATER LINE		
SANITARY SEWER LINE		
PROP TC -		
EX. @ OF CONST. -		
EX. 25' LT. -		
EX. 25' RT. -		



SCALE: HORIZ: 1" = 40'
VERT: 1" = 4'



Key Plan

[illegible]

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PROJECT NO: 21609100
ISSUE DATE: 09/01/21
CONTACT: JASON SPENCER
CHECKED BY:

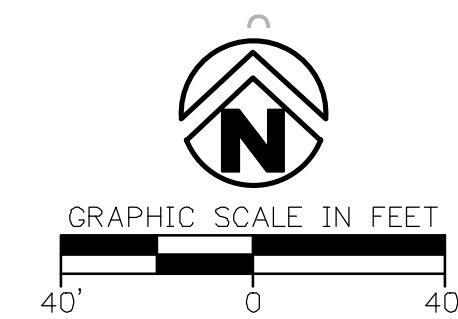
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CONSTRUCTION

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HICKORY STICK DRIVE (S)

C-205

CHICKASHA, GRADY COUNTY,
OKLAHOMA

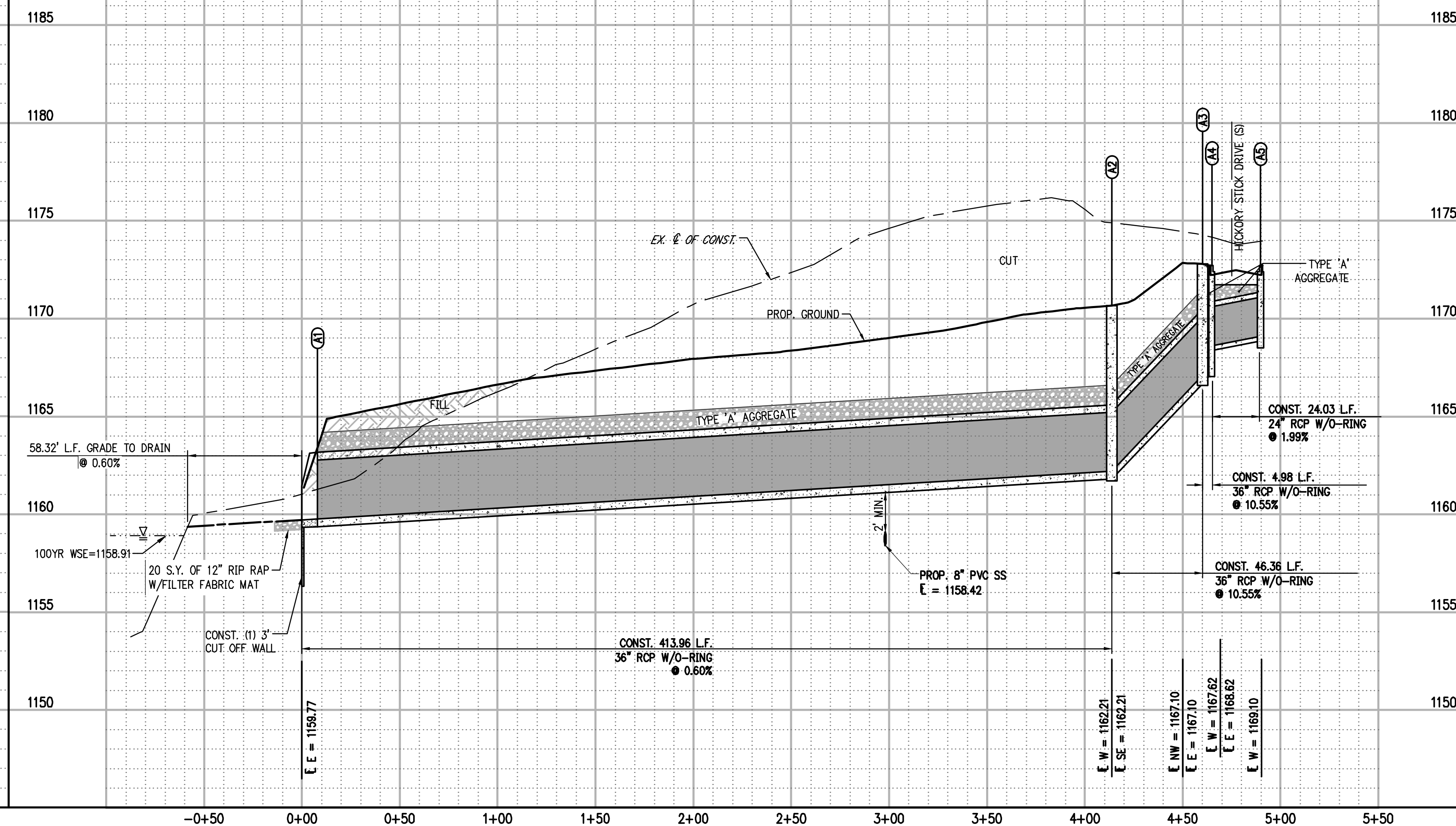


1	STA. 4+77.32 STORM SEWER A =
	STA. 0+45.96 HICKORY STICK DRIVE (S)

STORM SEWER A PLAN



SCALE: HORIZ: 1" = 40'
VERT: 1" = 4'



NOTES:
SEE PLAN VIEW
FOR SPOT ELEVATIONS.
FILL COMPACTED TO 95%
STANDARD PROCTOR DENSITY

Key Plan

[illegible]

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PROJECT NO: 21609100

ISSUE DATE: 09/01/21
CONTACT: JASON SPENCER

CHECKED BY:

ISSUED FOR
CONSTRUCTION

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STORM SEWER A

C-206

CHICKASHA, GRADY COUNTY,
OKLAHOMA

Key Plan

[illegible]

PROJECT NO: 21609100

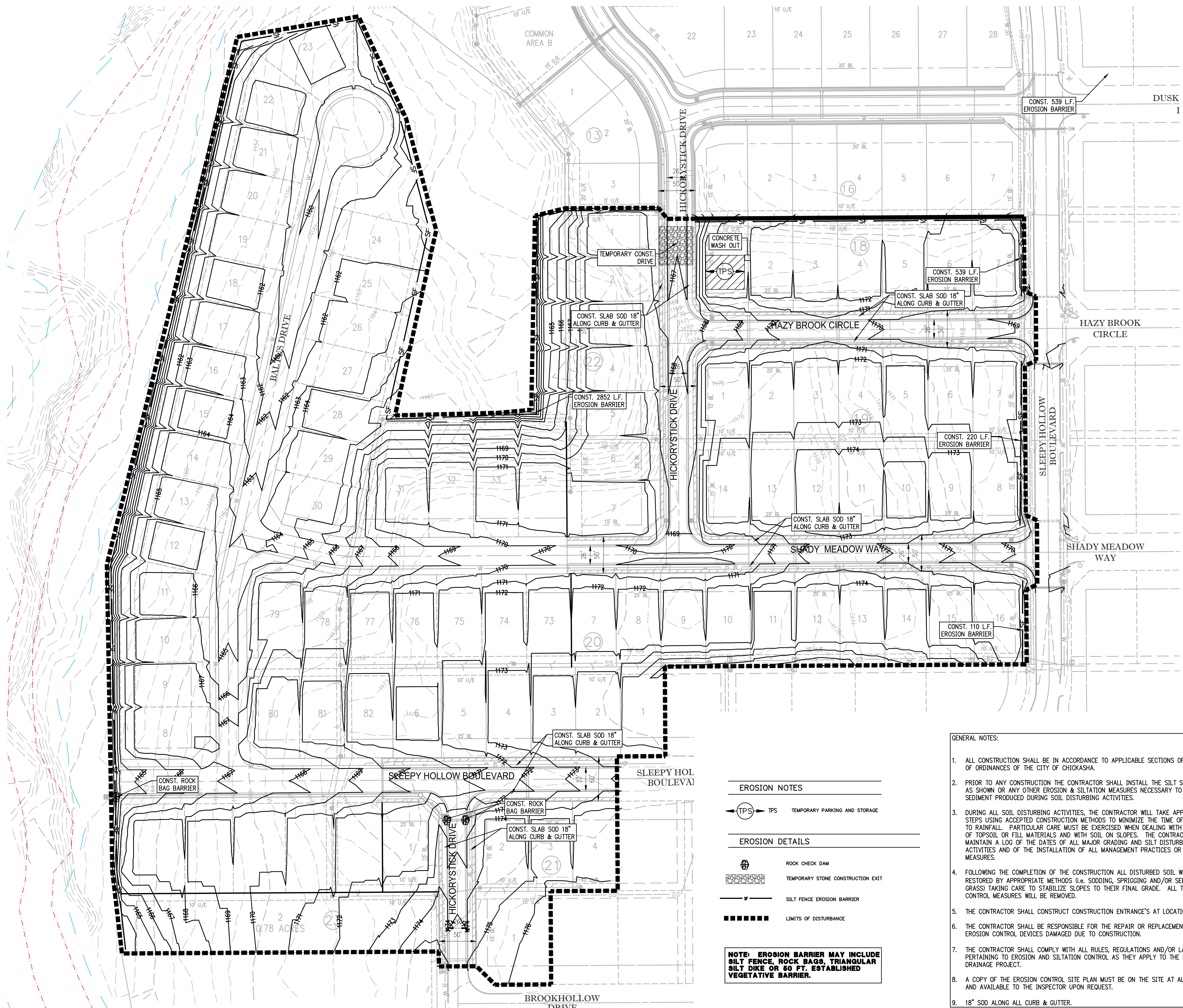
ISSUE DATE: 09/01/21
CONTACT: JASON SPENCER

ISSUED FOR
CONSTRUCTION

EROSION CONTROL PLAN

C-502

SLEEPY HOLLOW 3RD ADDITION PHASE 3
Page 70 of 318



STORM WATER MANAGEMENT EROSION AND SEDIMENT CONTROL NOTES

GENERAL NOTES

The following are requirements to be followed by the Contractor during all phases of the project. Please note that this construction will be accomplished under the provisions of the National Pollutant Discharge Elimination System (NPDES) of the U.S. Environmental Protection Agency (EPA). A Storm Water Pollution Prevention Plan (SWP3) must be prepared for this project in conformance with EPA regulations (Code of Federal Regulations (CFR) 40, Part 122) and Oklahoma Department of Environmental Quality (ODEQ) General Permit (OKR-10). The Contractor will be responsible for compliance with the OPDES permit and the SWP3, as well as with all provisions of the plans and specifications. It will also be the Contractor's responsibility to prevent soil or sediment loss from the construction site. The Contractor shall not leave the site until all erosion control, sediment control, and storm water management practices are in place; have been inspected and found satisfactory; and all temporary practices have been properly removed.

STORM WATER MANAGEMENT

The project must be designed to provide positive post-construction control of storm water runoff from the site [using gutters, curbs, inlets, piping, and outlets to the receiving stream]. The erosion and sediment control measures discussed below will also provide some temporary storm water controls. During the course of construction, the contractor will install and maintain storm water controls in the sequence specified herein to provide comprehensive management of storm water for a project of this nature.

EROSION AND SEDIMENT CONTROL

The project must be designed to minimize adverse off-site effects of soil erosion and resulting sediment loss through the use of proper construction techniques; and by installing both temporary and permanent management practices. All soil-disturbing activities performed by the Contractor will be accomplished in such manner as to prevent loss of sediment from the construction site during rainfall events. To accomplish this, the following specific steps will be taken during construction:

- 1 Immediately after mobilization but prior to initiation any soil-disturbing activities, the Contractor will install all specified perimeter controls on the site. These practices have been designed to trap all sediment produced during soil-disturbing activities, and to prevent off-site damage. It is recognized that some site preparation may be required to properly install these practices.
- 2 The recommended sequence for the installation and removal of erosion and sediment control measures is as follows:
perimeter control measures (silt barriers and fencing) installed at designated areas; cleaning of street during construction; site grading (including temporary slope stabilization) as needed; installation of utilities; building construction; paving; final grading; installation of sod or vegetative materials; building construction; paving; final grading; installation of sod or vegetative materials; removal of temporary practices and perimeter controls; and site cleanup.
- 3 During all soil-disturbing activities, the Contractor will take appropriate steps using accepted construction methods to minimize exposure of unprotected soil and other construction materials to rainfall. Particular care must be exercised when dealing with topsoil stockpiles, fill material, or soil on slopes. The Contractor will maintain a date log of all soil disturbance activities or major grading operations, and of all management practice or control measure installations.

- 4 If, during the course of construction, any area of soil (including stockpiles) remains exposed for more than fourteen calendar days without suitable erosion control, then temporary stabilization measures should be installed unless soil-disturbing activities are planned on such areas within an additional seven calendar days. Suitable temporary stabilization measures are perimeter controls and silt barriers (such as rock bags, sand bags, and silt fencing) along all side-slope and down-slope borders of the disturbed area. Note that perimeter controls alone may not be successful; movement of large amounts of sediment produced by heavy rain on exposed soil could overwhelm such measures.
- 5 At the Contractor's discretion, additional temporary erosion control practices (such as rock bags, sand bag barriers, and silt fences) may be installed along any down-slope of side-slope perimeter of a soil-disturbed area to prevent sediment movement. Anchored erosion control matting, mulches, or other acceptable methods may also be installed to stabilize any unprotected slopes during construction, and hold them to the appropriate grade.

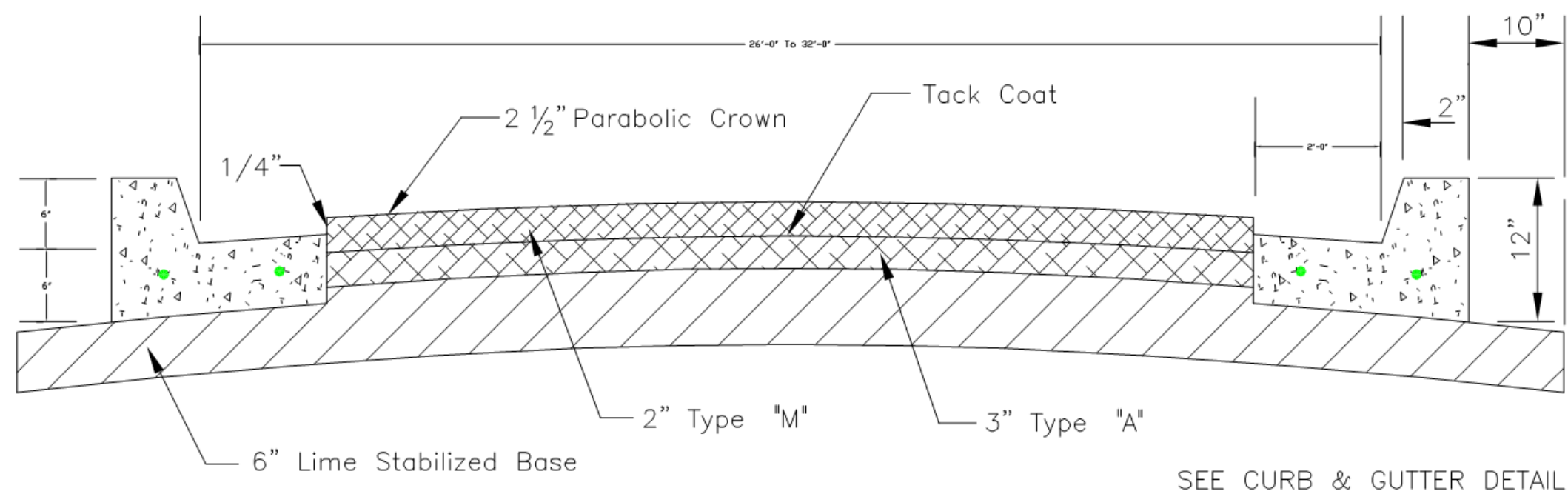
As site conditions warrant, the Contractor may also choose to modify the type or arrangement of specified practices to improve their effectiveness. As with any other project changes, the Contractor must present all proposed modifications to the Project Engineer for approval prior to installation.

- 6 The Contractor will inspect all specified practices at least once every fourteen calendar days, and after all rainfall events to insure that each specified practice remains intact. Any damage noted during such inspections shall be repaired promptly to restore the practice to original specifications. The Contractor will be responsible for maintenance of all erosion and sediment control practices as specified in the plans, i including periodic regrading, and final grading after removal of all such practices.
- 7 When water is used for dust control or to promote vegetation, the Contractor will prevent the escape of this water and any sediment it may carry from the construction site.
- 8 Care must be exercised to prevent excessive off-site tracking of mud or sediment by construction vehicles. In addition to the specified gravel entrance, properly graveled transition areas should be established at all temporary site exits to assist in mud removal from departing vehicles. The Contractor shall be responsible for cleaning the street daily, or as directed by the City, when mud is tracked onto the street from the construction site.
- 9 During the site cleanup prior to the possession date, each temporary practice will be completely removed and the area finished to the appropriate post-project condition. This involves final grading, and installation of sod or grass seed on all bare soil areas. A minimum vegetation density of seventy percent, or an equivalent sediment stabilization measure (geotextiles, mulches, or gabions), is required until vegetation is established.

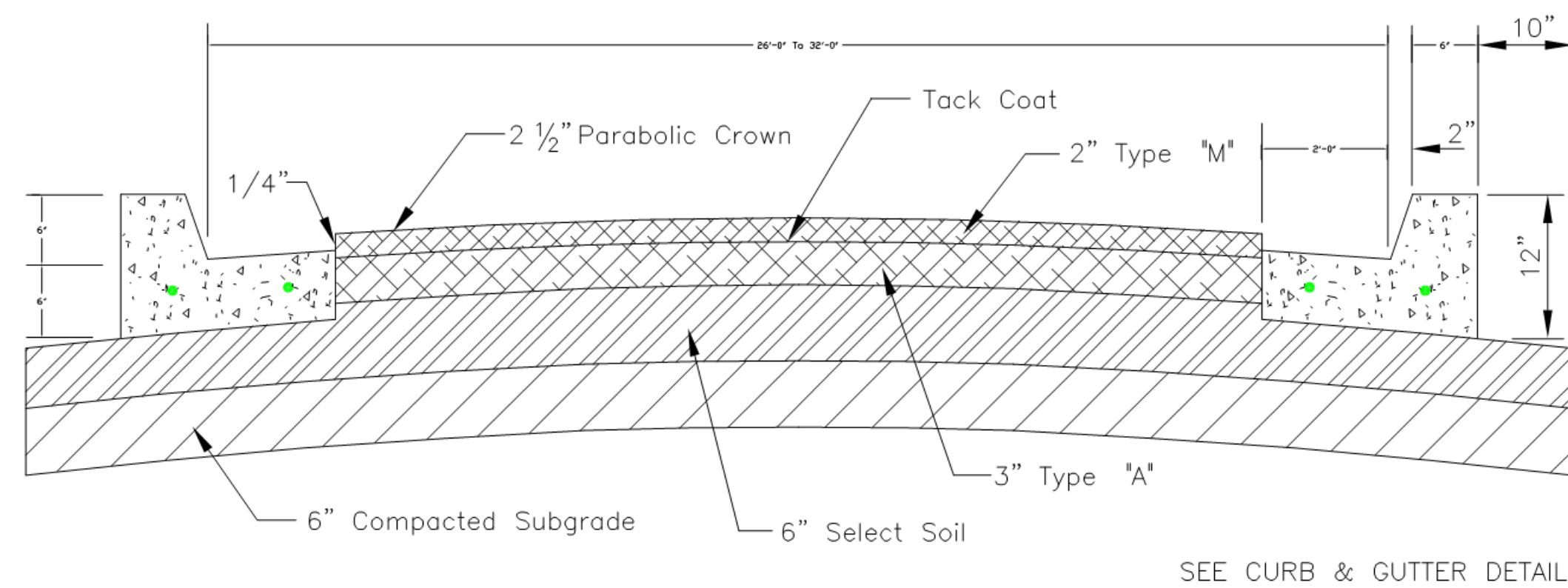
STORM WATER EROSION AND SEDIMENT CONTROL PROCEDURES

Drawing Number

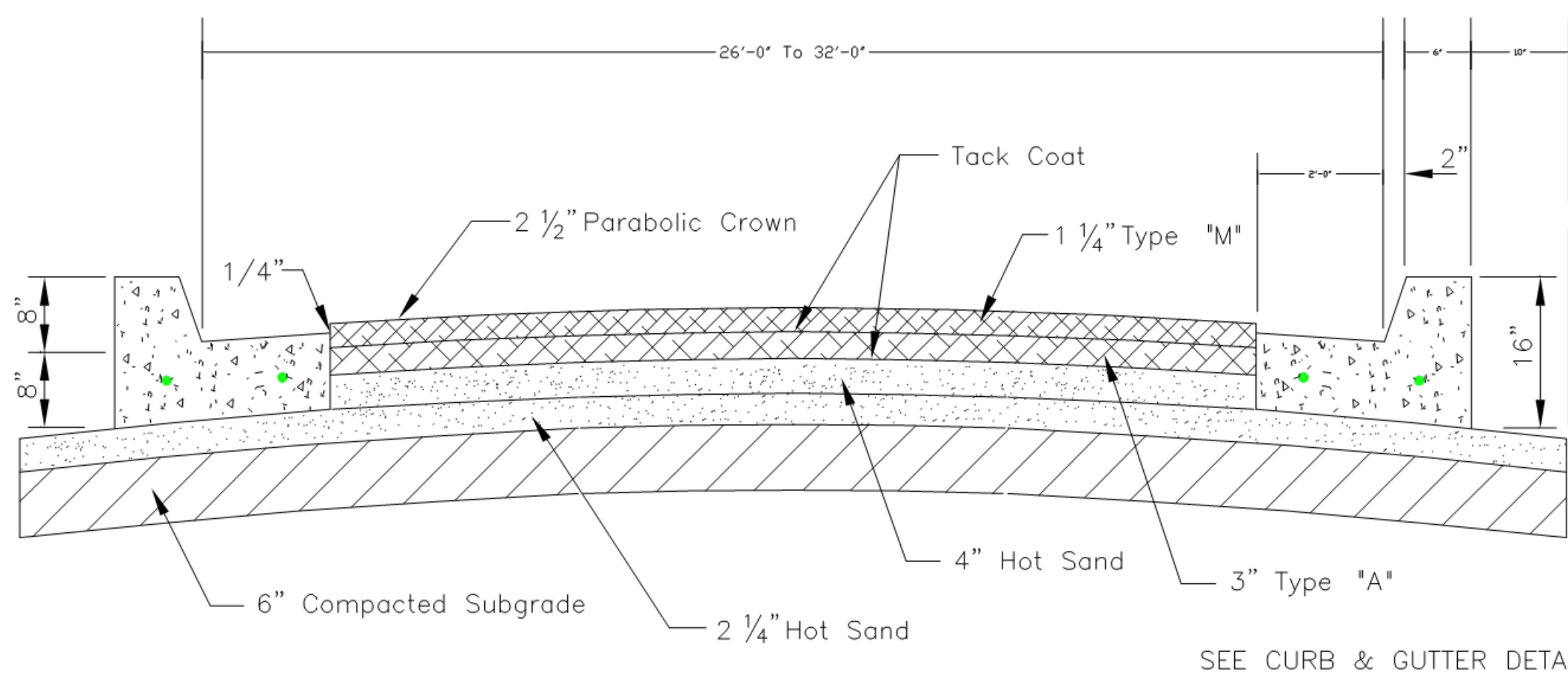
D-010



· TYPICAL SECTION ·
ASPHALTIC CONCRETE PAVING
 (LIME STABILIZED BASE)



· TYPICAL SECTION ·
26' ASPHALTIC CONCRETE PAVING
 (SELECT SOIL BASE)



· TYPICAL SECTION ·
32' ASPHALTIC CONCRETE PAVING
 (HOT SAND ASPHALT BASE)
 INDUSTRIAL ADDITIONS

GENERAL NOTES

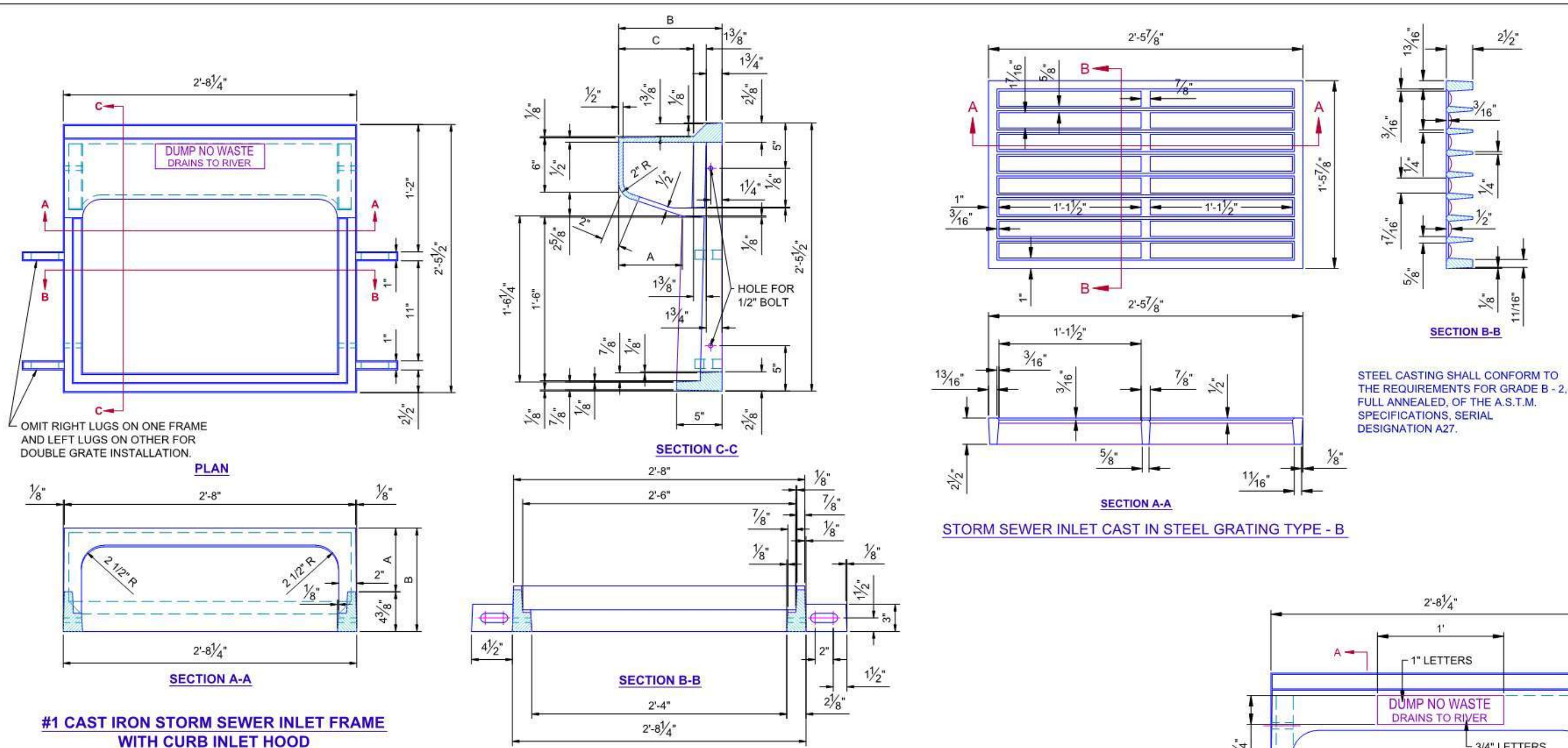
1. SEE SUBDIVISION REGULATIONS FOR STREET WIDTH.
2. ALL SECTIONS USING SELECT SOIL SHALL HAVE THE TOP 6" OF SUBGRADE COMPACTED TO 95% STANDARD PROCTOR DENSITY PRIOR TO PLACEMENT OF THE SELECT SOIL.
3. ADVANCE NOTIFICATION (4 HOURS MINIMUM) SHALL BE REQUIRED PRIOR TO TAKING ANY DENSITY TEST. NOTIFICATION SHALL BE MADE TO THE OFFICE OF THE ENGINEER.
4. UNLESS OTHERWISE SHOWN, A MINIMUM OF 95% OF STANDARD PROCTOR DENSITY IS REQUIRED FOR EACH DENSITY TAKEN.
 * 2 ADDITIONAL TEST SHALL BE PERFORMED FOR EACH FAILED TEST ON TRANSVERSE CROSSINGS UNDER PAVING.
5. THE CENTERLINE SHALL BE THE SECTION LINE UNLESS OTHERWISE NOTED ON THE PLANS.

6. UNLESS OTHERWISE REQUIRED, THE FOLLOWING TESTING FOR EARTHWORK AND SUBGRADE TESTING SHALL BE FOLLOWED.
 - A. SOIL CLASSIFICATION - 1200 SQ. YDS. OF MATERIAL OR AS NECESSARY TO DETERMINE UNIFORMITY OF MATERIALS
 - B. STANDARD PROCTOR - AS NECESSARY TO PROVIDE INFORMATION FOR REQUIRED DENSITY.
 - C. SUBGRADE DENSITY - A MAXIMUM OF EVERY 1200 SQ. YDS. OF SURFACE AREA OR NECESSARY TO DETERMINE UNIFORMITY OF COMPACTION.
 - D. EMBARKMENT DENSITY - EACH 8" INCH LAYER AT MAXIMUM OF EVERY 1200 SQ. YDS. OF
 - E. TRENCH UNDER PAVING - SERVICE AREA OR AS NECESSARY TO DETERMINE UNIFORMITY OF COMPACTION. EVERY 200 L.F. OF TRENCH OR ANY TRANSVERSE CROSSING WHEN THREE OR MORE CROSSINGS OCCUR UNDER A SINGLE PROJECT. ONE TEST FOR EVERY 3 TRANSVERSE CROSSINGS IS REQUIRED.

CITY OF CHICKASHA
 COMMUNITY PLANNING & DEVELOPMENT

STANDARD TYPICAL SECTIONS
 ASPHALTIC CONCRETE PAVING

APPROVED BY: _____	DATE: _____	DRAWN: _____	DATE: _____	DWG. NO. S-1
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BRICK OPTION IN PLACE OF CONCRETE
HOLD INSIDE DIMENSION GIVEN FOR CONCRETE
6" P.C. CONCRETE FLOOR & 8" BRICK WALLS

MIN. QUANTITIES REQ'D.	2 - 0	2 - 1	2 - 2	2 - 3	2 - 4
BRICK (1/2" JOINTS)	445	725	995	1250	1495
1 : 2 MORTAR C.Y.	0.32	0.53	0.72	0.95	1.09
3500 CONCRETE C.Y.	0.4	0.60	0.80	1.00	1.20

GENERAL NOTES:

CASTING SHALL CONFORM TO THE A.S.T.M. SPECIFICATIONS FOR GRAY-IRON CASTINGS, SERIAL DESIGNATION A-48-29.

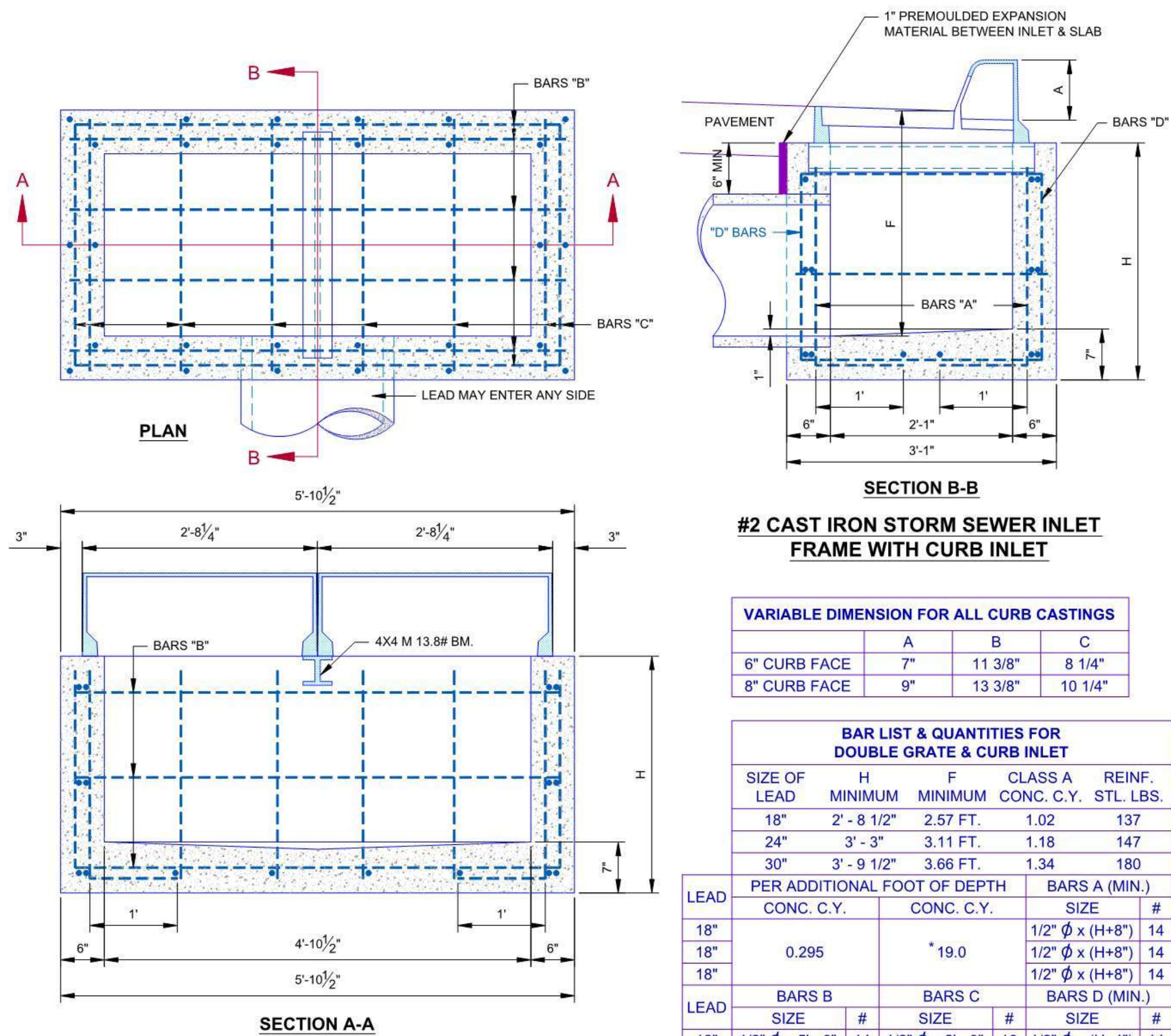
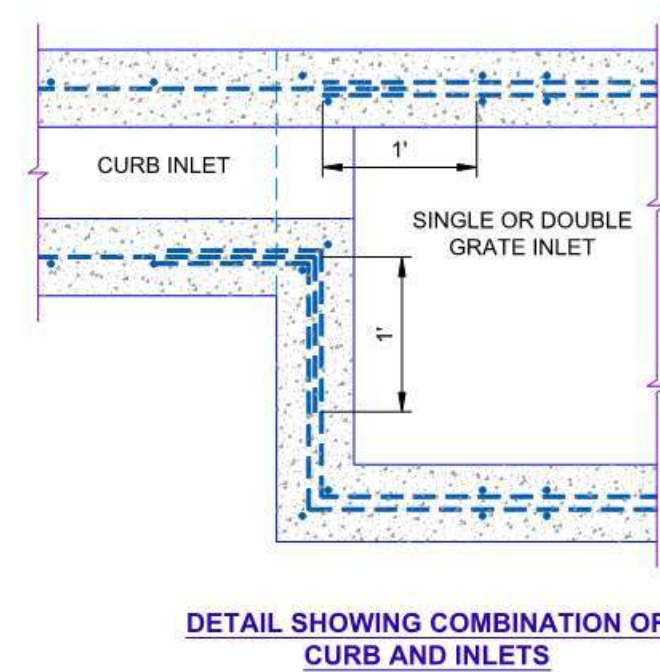
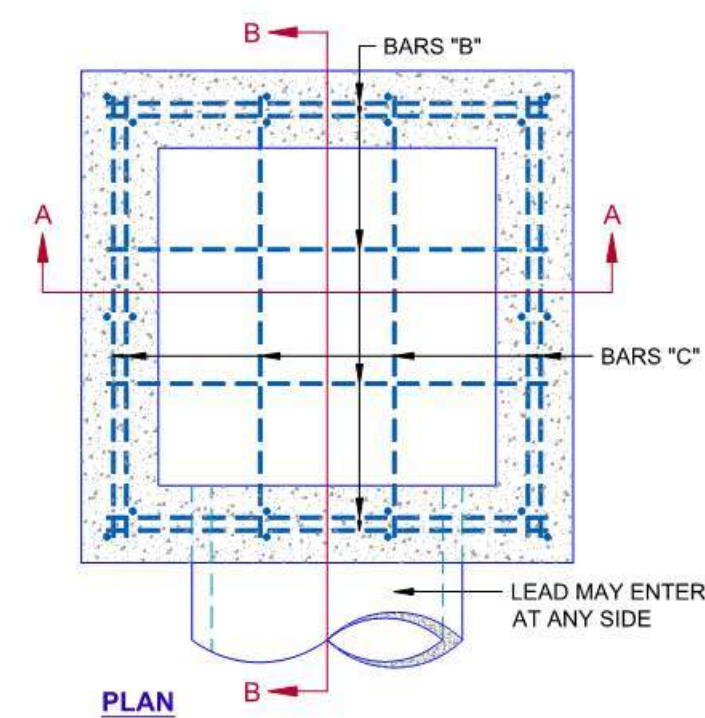
NO WORDING OR MARKING OF ANY KIND OTHER THAN THOSE SHOWN ON THE PLANS WILL BE PERMITTED ON THESE CASTINGS.

ALL BOLT REQUIREMENTS FOR THESE STRUCTURES WILL BE MACHINE BOLTS.

QUANTITIES FOR CURB INLETS

	CLASS A CONC.	STEEL
ONE CURB INLET	0.20	26
TWO CURB INLET	0.43	44
THREE CURB INLET	0.69	62
FOUR CURB INLET	0.95	80

CURB INLETS SHALL BE PLACED ON UPSTREAM SIDE OF GRATE INLETS UNLESS OTHERWISE SPECIFIED. CONCRETE TROUGH FOR CURB INLETS AND CONCRETE STORM SEWER INLETS SHALL BE CONSTRUCTED AS ONE UNIT.



VARIABLE DIMENSION FOR ALL CURB CASTINGS

	A	B	C
6" CURB FACE	7"	11 3/8"	8 1/4"
8" CURB FACE	9"	13 3/8"	10 1/4"

BAR LIST & QUANTITIES FOR DOUBLE GRATE & CURB INLET

SIZE OF LEAD	H (MIN.)	F (MIN.)	CLASS A CONC. C.Y.	REINF. STL. LBS.
18"	2' - 8 1/2"	2.57 FT.	1.02	137
24"	3' - 3"	3.11 FT.	1.18	147
30"	3' - 9 1/2"	3.66 FT.	1.34	180

LEAD	PER ADDITIONAL FOOT OF DEPTH CONC. C.Y.	BAR A (MIN.) SIZE	#
18"	0.295	1/2" ϕ x (H+8")	14
18"		1/2" ϕ x (H+8")	14
18"		1/2" ϕ x (H+8")	14

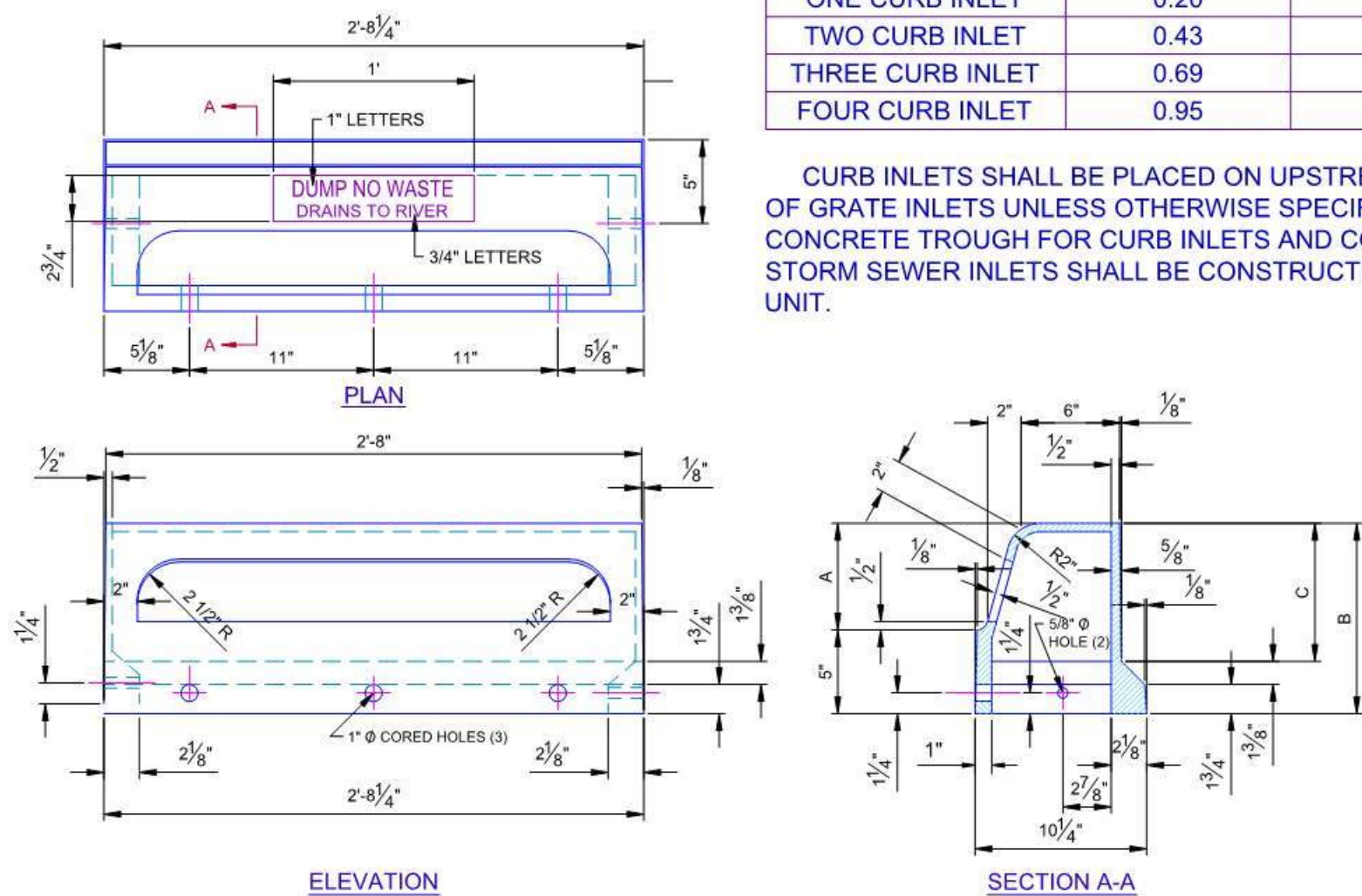
LEAD	BAR B SIZE	#	BAR C SIZE	#	BAR D (MIN.) SIZE	#
18"	1/2" ϕ x 5' - 6"	14	1/2" ϕ x 2' - 9"	16	1/2" ϕ x (H+4")	14
18"	1/2" ϕ x 5' - 6"	14	1/2" ϕ x 2' - 9"	16	1/2" ϕ x (H+4")	14
18"	1/2" ϕ x 5' - 6"	18	1/2" ϕ x 2' - 9"	20	1/2" ϕ x (H+4")	14

* HORIZONTAL BARS ARE APPROXIMATELY 12" CENTERS. WHEN ADDITIONAL BARS ARE REQUIRED DUE TO INCREASE OF DEPTH OF INLET 22.5 LBS OF REINFORCING STEEL IS TO BE ADDED FOR EACH SET OF BARS.

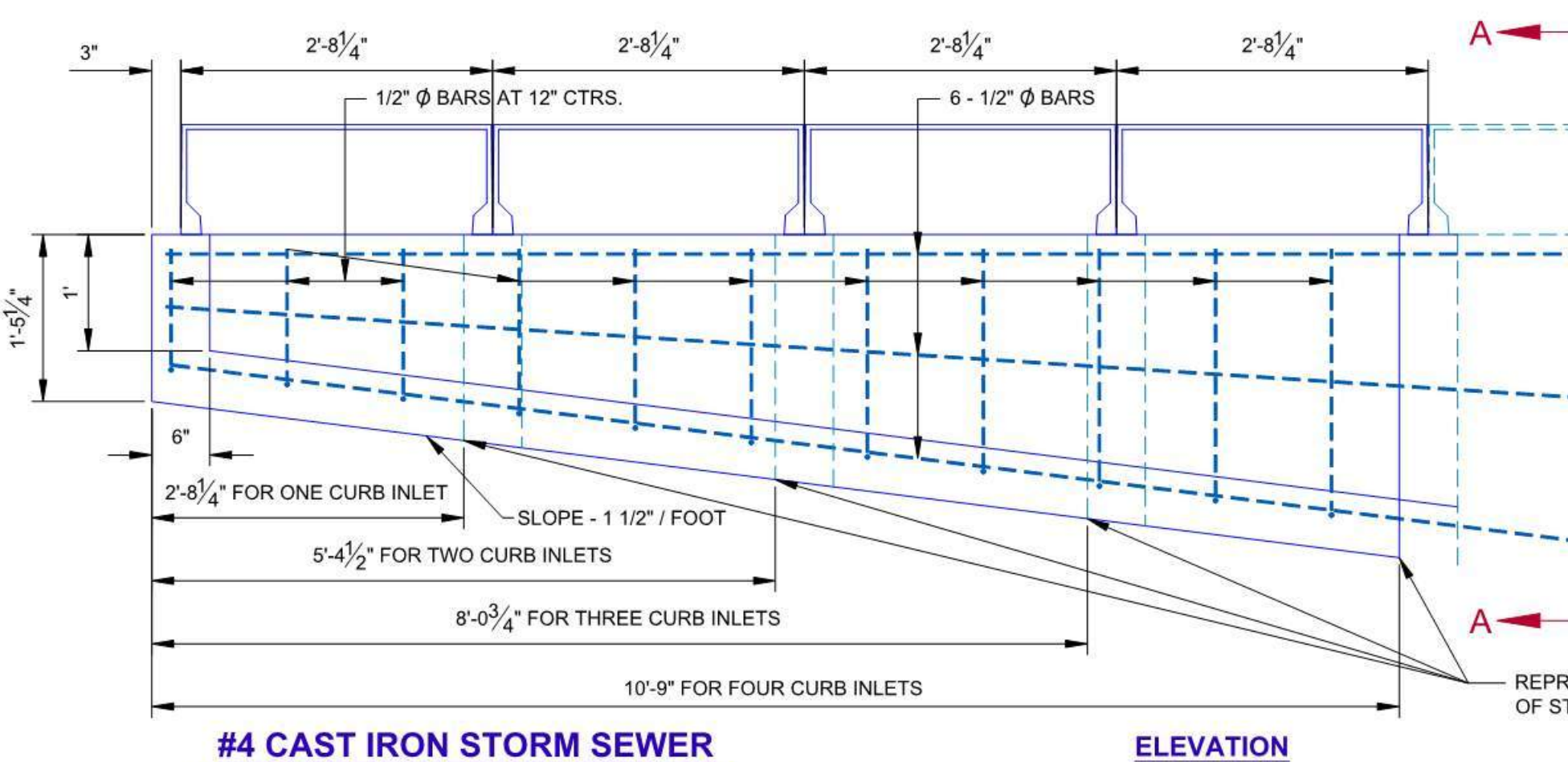
NOTE:
ALL COST OF 4 X 4 M 13.8 #BM SUPPORTS FOR GRATE FRAME TO BE INCLUDED IN THE PRICE OF BID FOR INLET FRAMES AND GRATES.

QUANTITIES OF ANGLE IRON FOR CURB INLETS

INLET #	# PIECES	LENGTH OF 3" x 3"
2 - 0		
2 - 1	1	5' - 1 5/8"
2 - 2	1	10' - 6 1/8"
2 - 3	1	15' - 10 5/8"
2 - 4	2	10' - 6 1/8"



#2 CAST IRON STORM SEWER CURB INLET HOOD

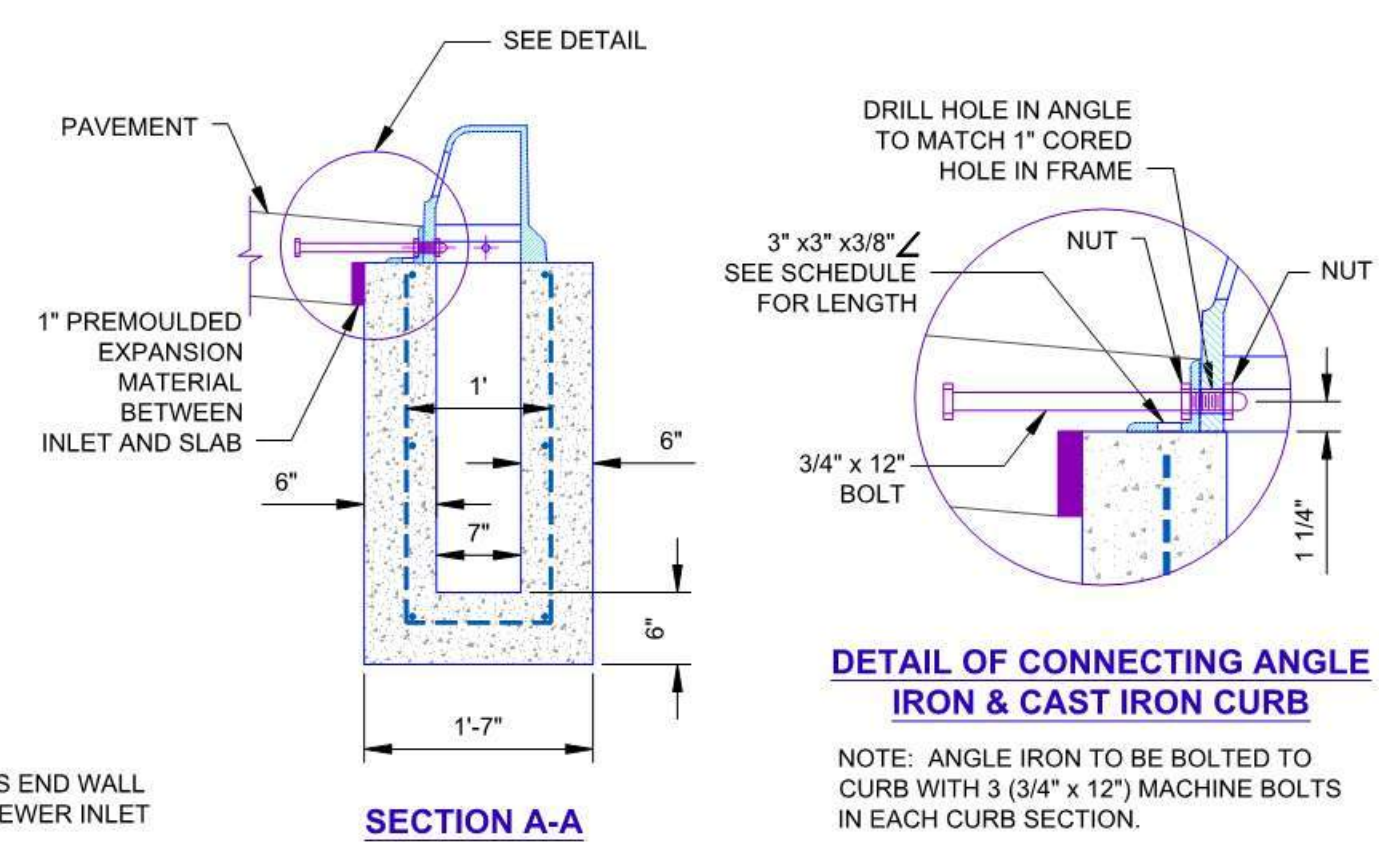


#4 CAST IRON STORM SEWER INLET FRAME WITH CURB INLET

BAR LIST AND QUANTITIES FOR SINGLE GRATE AND CURB INLETS

SIZE OF LEAD	H (MIN.)	F (MIN.)	CLASS A CONC. C.Y.	REINF. STL. LBS.	PER ADDITIONAL FOOT OF DEPTH CONC. C.Y.	VERT. STL. - LBS.	BAR A (MIN.) SIZE	#	BAR B SIZE	#	BAR C SIZE	#	BAR D (MIN.) SIZE	#
15"	2' - 3 1/4"	2.14 FT.	0.54	86	0.20	*13.6	1/2" ϕ x (H+8")	10	1/2" ϕ x 2' - 10"	14	1/2" ϕ x 2' - 9"	14	1/2" ϕ x (H+4")	10
18"	2' - 6 1/2"	2.14 FT.	0.59	90			1/2" ϕ x (H+8")	10	1/2" ϕ x 2' - 10"	14	1/2" ϕ x 2' - 9"	14	1/2" ϕ x (H+4")	10
24"	3' - 1"	2.95 FT.	0.70	97			1/2" ϕ x (H+8")	10	1/2" ϕ x 2' - 10"	14	1/2" ϕ x 2' - 9"	14	1/2" ϕ x (H+4")	10

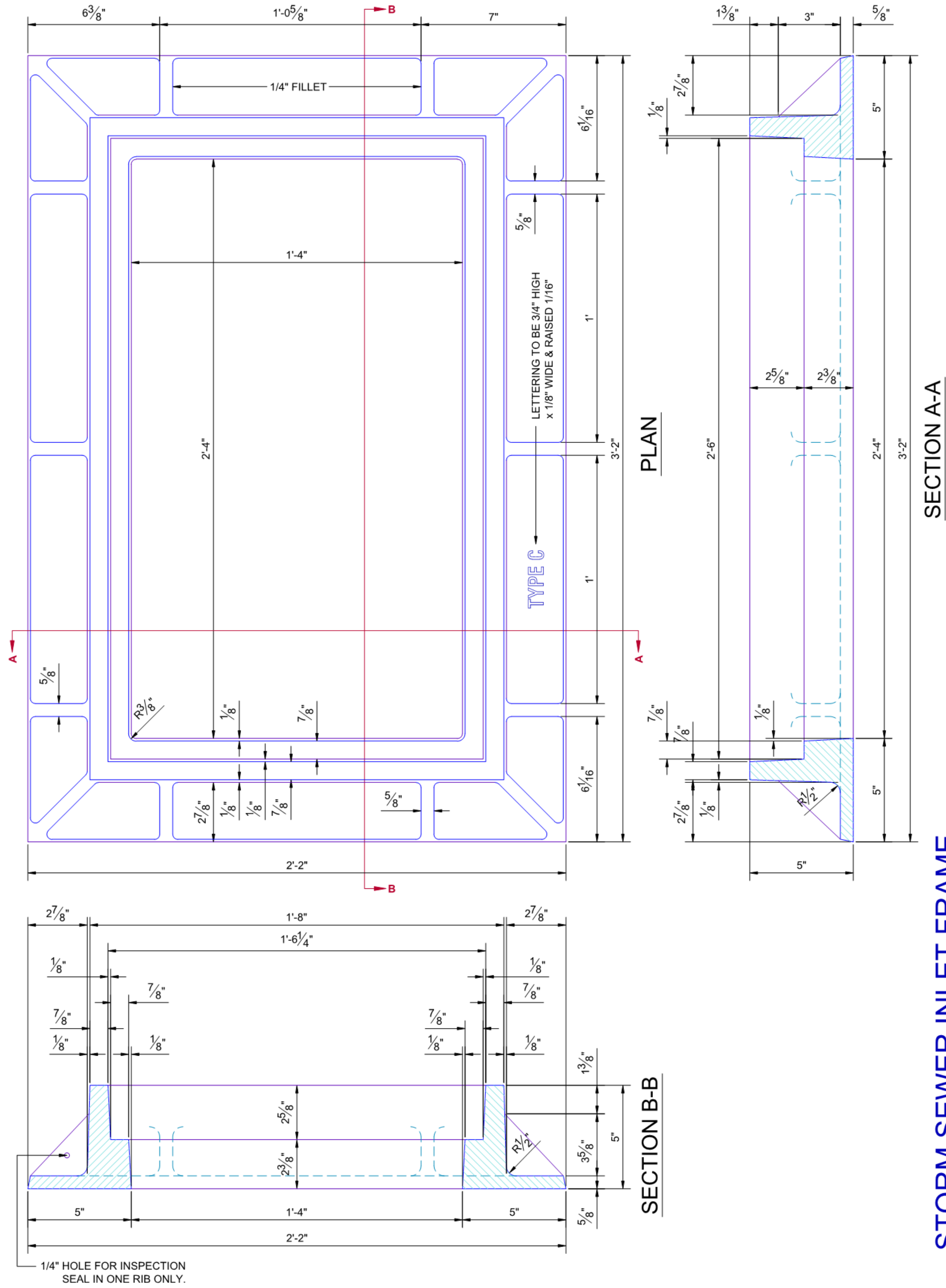
* HORIZONTAL BARS ARE APPROXIMATELY 12" CENTERS WHEN ADDITIONAL BARS ARE REQUIRED DUE TO INCREASE OF DEPTH OF INLET. 15.2 LBS. OF REINFORCING STEEL IS TO BE ADDED FOR EACH ADDITIONAL SET OF BARS.



STANDARD STORM SEWER INLETS
DESIGN 2 INLET WITH
CAST STEEL HOODS

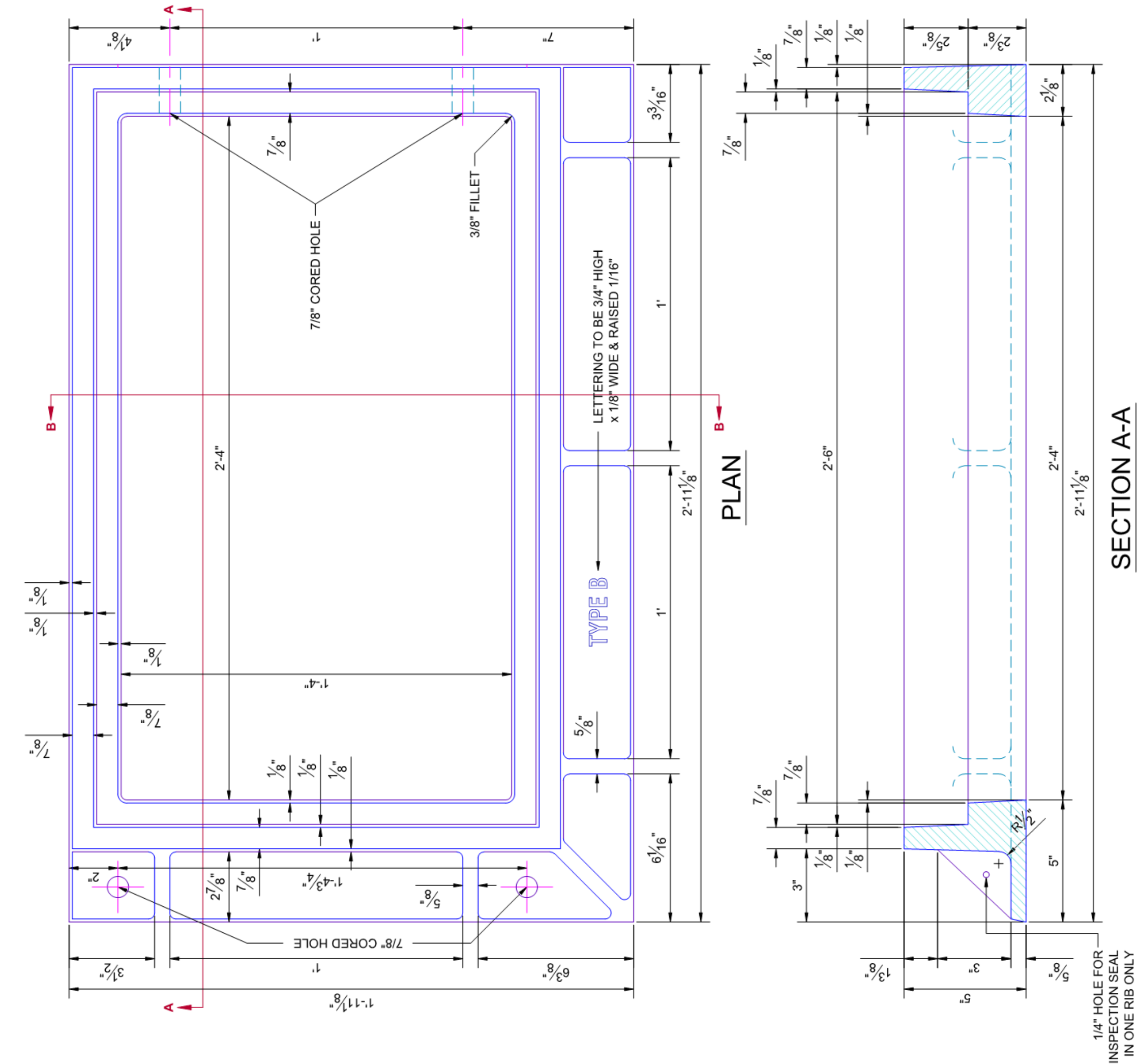
Drawing Number

D-101



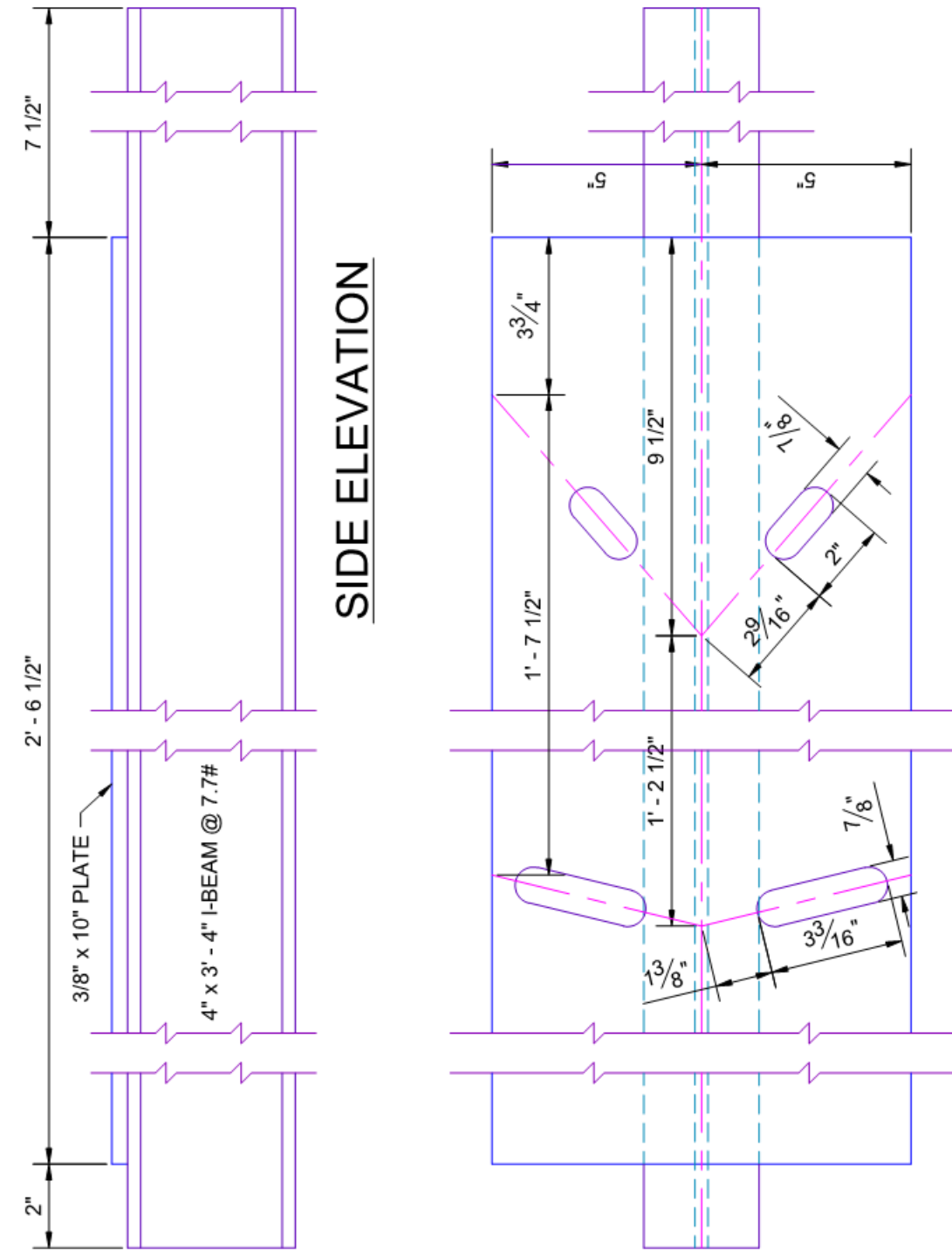
STORM SEWER INLET FRAME

INLET DESIGN #5



STORM SEWER INLET FRAME

TYPE "B" FOR INLET DESIGN #2

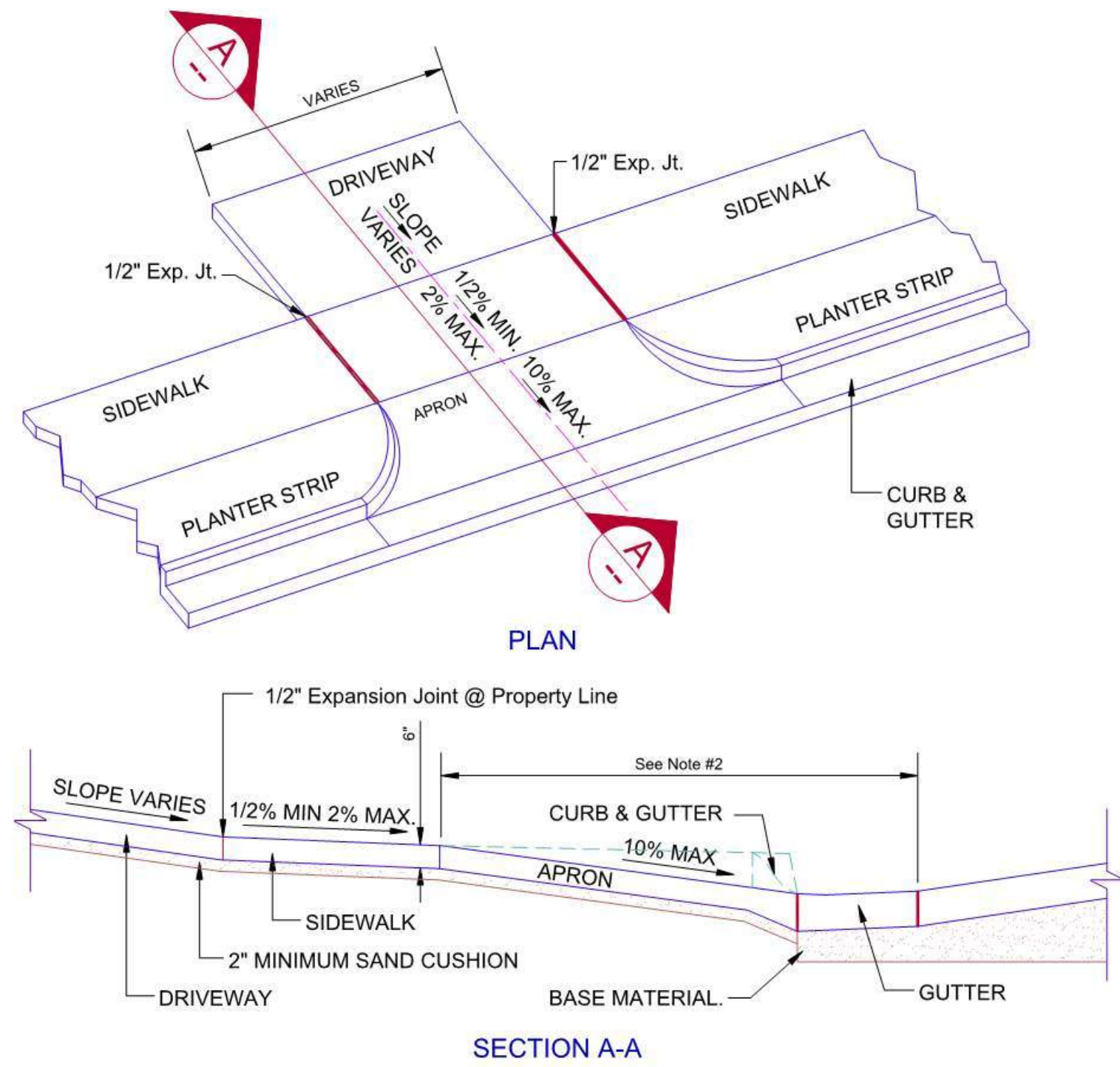


I-BEAM SUPPORT

FOR USE ON CURVED CURBS

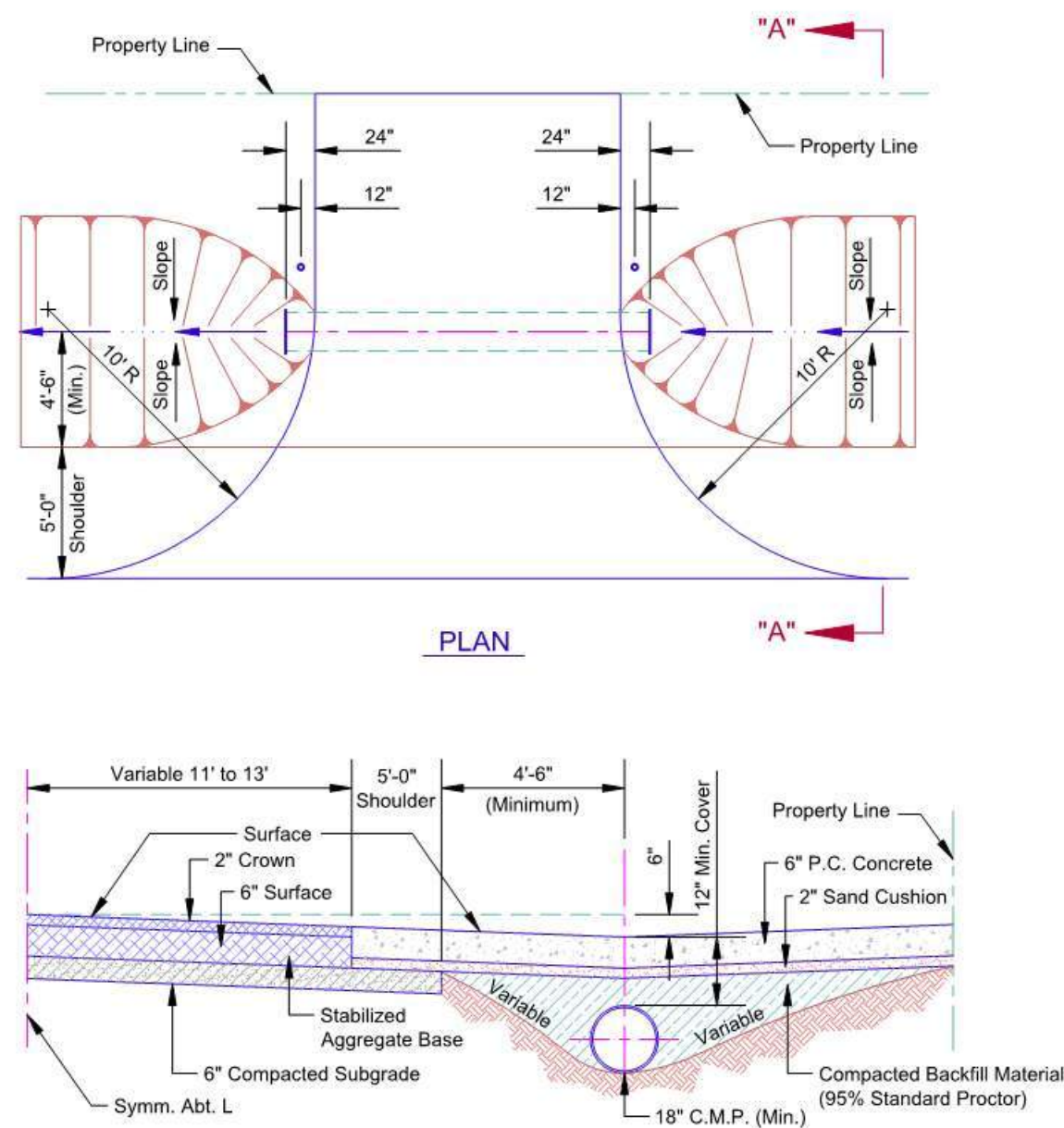
I-BEAM SUPPORT

FOR INLET DESIGN #3 ONLY

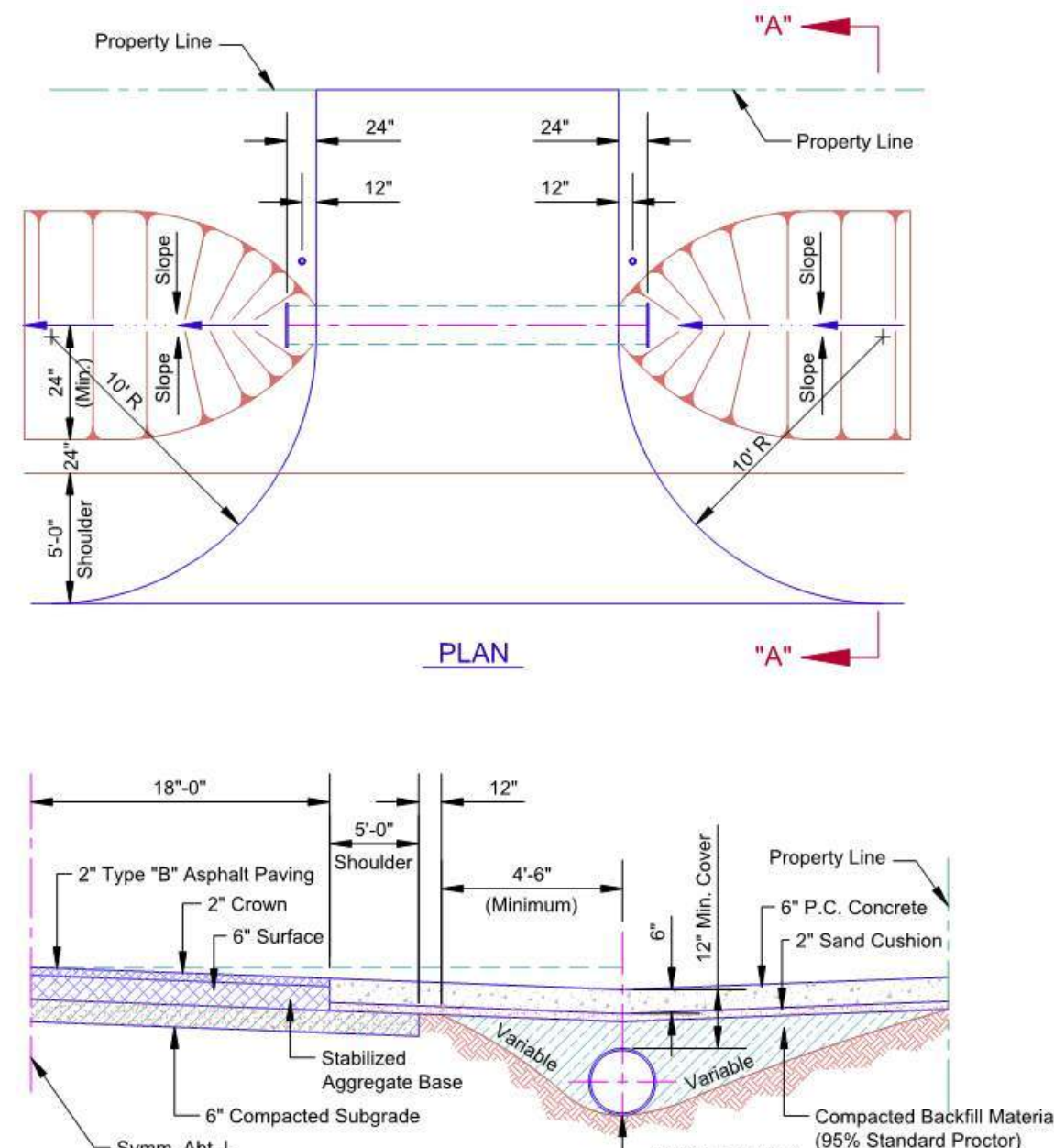


- NOTES:
1. A 5' - 0" minimum radius is approved for one & two family residences not abutting a limited access or major street. All other Driveways will have a 10' 0" minimum radius.
 2. The Driveway Contractor may saw cut & remove the complete Curb and Gutter section or remove the curb and the section of gutter directly under the curb. Saw cuts shall be 2" or 1/3 the depth of the gutter, whichever is greater. Saw cuts shall include the top & face of curb as well as the gutter. Saw cuts shall be made prior to the removal of concrete.
 3. If a gutter holds water prior to any construction by driveway Contractor, he should notify the City Engineer of the situation before doing any work. The completed driveway work will not be accepted if the gutter holds water due to poor construction by the Contractor.
 4. It is recognized that this driveway detail will not cover every possible situation encountered in construction. Additional expansion joints will be required as needed.
 5. Clean and seal all joints and saw cuts in accordance with standard specifications.
 6. Contraction Joint required for drives 20' wide & over. Saw cut 2" deep and fill with silicone sealant.
 7. Do not turn radius in front of adjacent property without written permission from adjacent property owner.

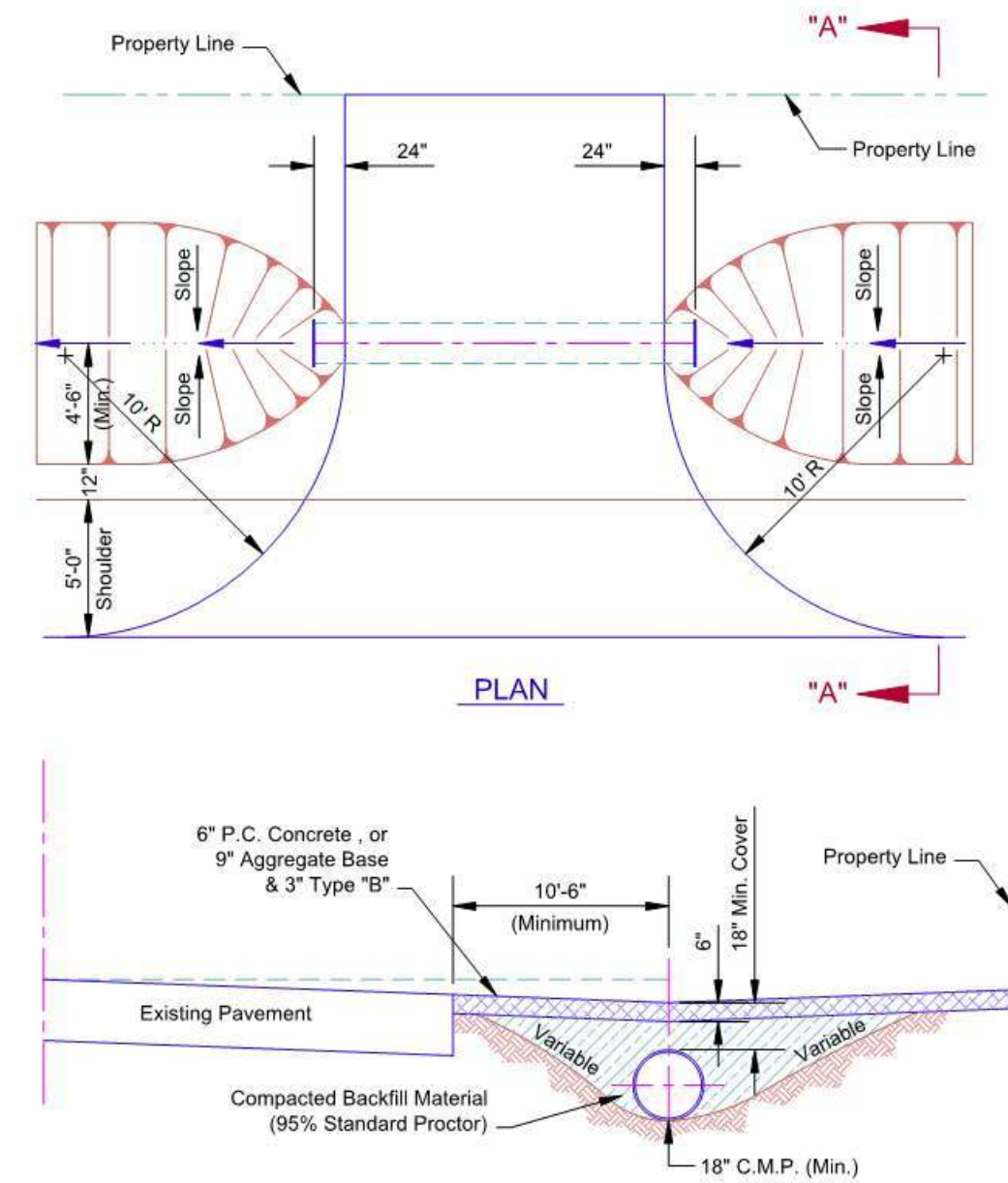
DRIVEWAY DETAILS
• 310 •



SECTION "A - A"
DRIVEWAY DETAILS FOR RURAL ESTATES DEVELOPMENT
• 320 •



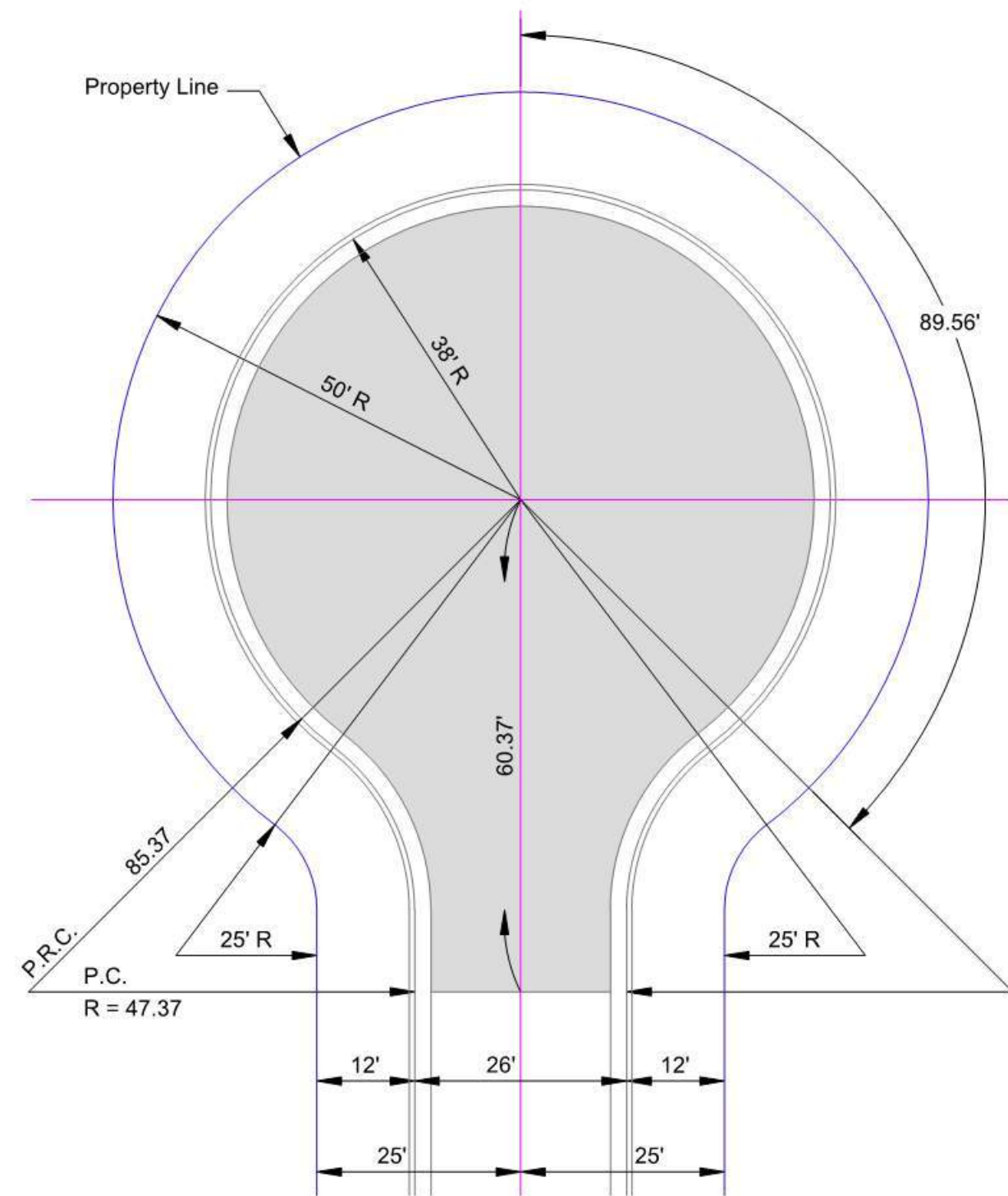
SECTION "A - A"
DRIVEWAY DETAILS FOR AGRICULTURAL ESTATES
R - 1 ZONING
• 330 •



SECTION "A - A"
TO BE REMOVED IMMEDIATELY UPON COMPLETION OF DRILLING OPERATIONS
TEMPORARY DRIVEWAY DETAILS
FOR OIL FIELD DEVELOPMENT ACCESS
• 340 •

STANDARD TYPICAL SECTIONS DRIVEWAY DETAILS

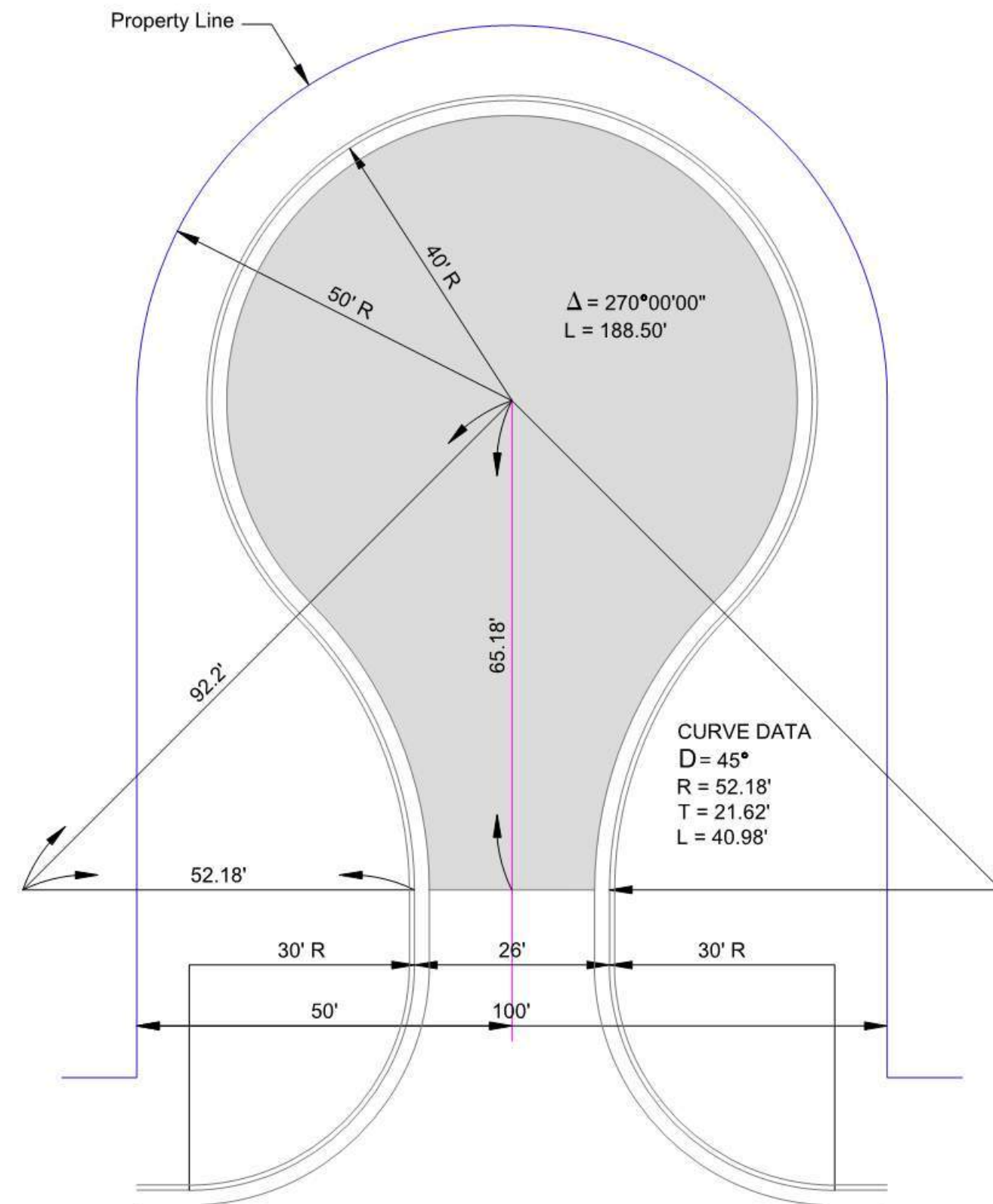
Drawing Number
D-300



MATERIAL IN SAC BEYOND P.C.
531.6 S.Y. ASPHALTIC CONCRETE
587.9 S.Y. P.C. CONCRETE
646.9 S.Y. BASE (10" Back of Curb)
253.52 L.F. CURB

CURVE DATA
 $\Delta = 45^\circ$
 $R = 47.37'$
 $T = 19.62'$
 $L = 37.20'$

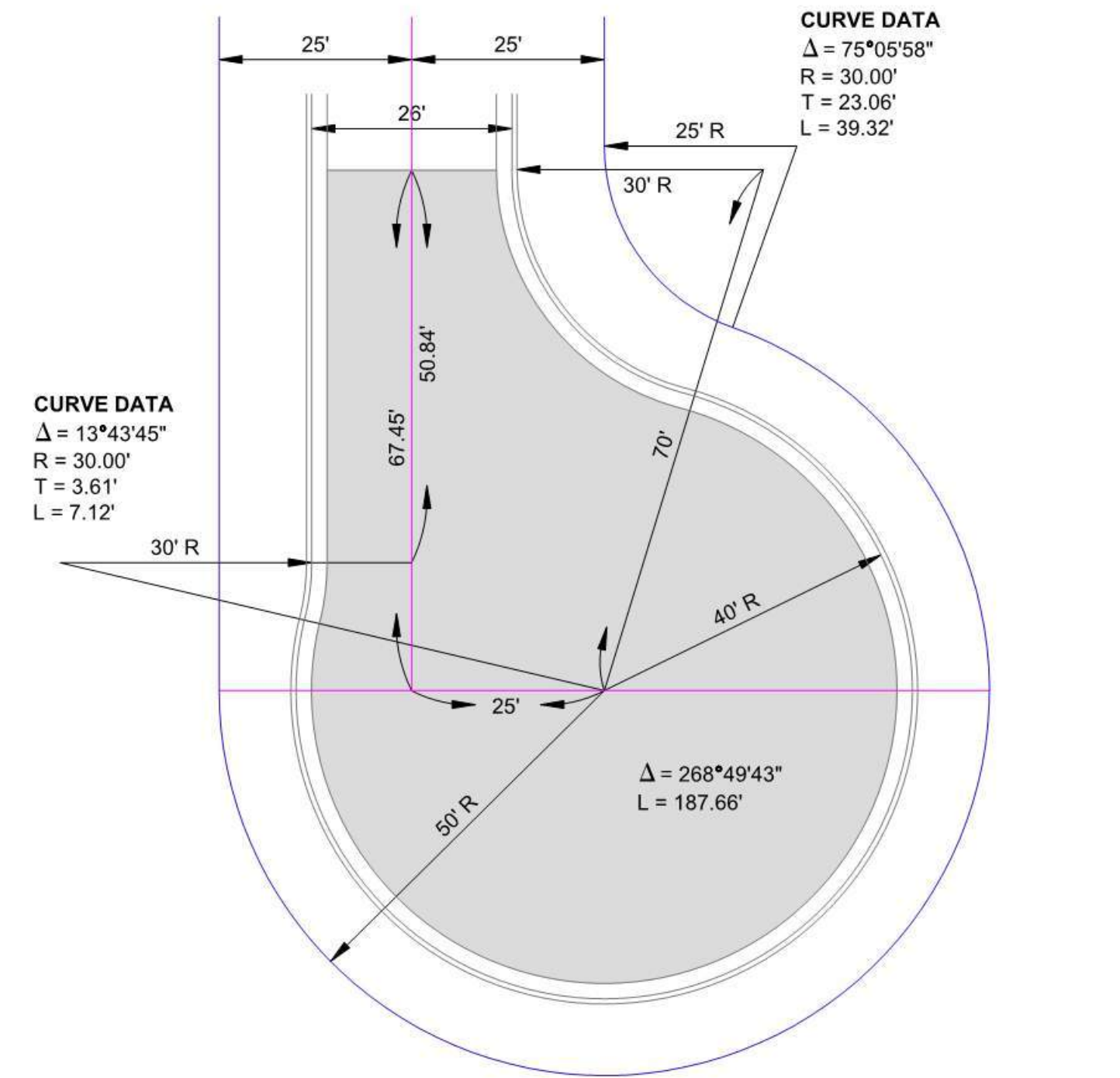
STANDARD CUL-DE-SAC -- 38' R



P.C. CONCRETE
270.46 L.F. CONCRETE
653.32 S.Y. P.C. CONCRETE
702.10 S.Y. BASE (Includes to 10" Back of Curb)

ASPHALTIC CONCRETE
270.46 L.F. CONCRETE & GUTTER
593.92 S.Y. ASPHALTIC CONCRETE
702.10 S.Y. BASE (Includes to 10" Back of Curb)

STANDARD CUL-DE-SAC -- 40' R



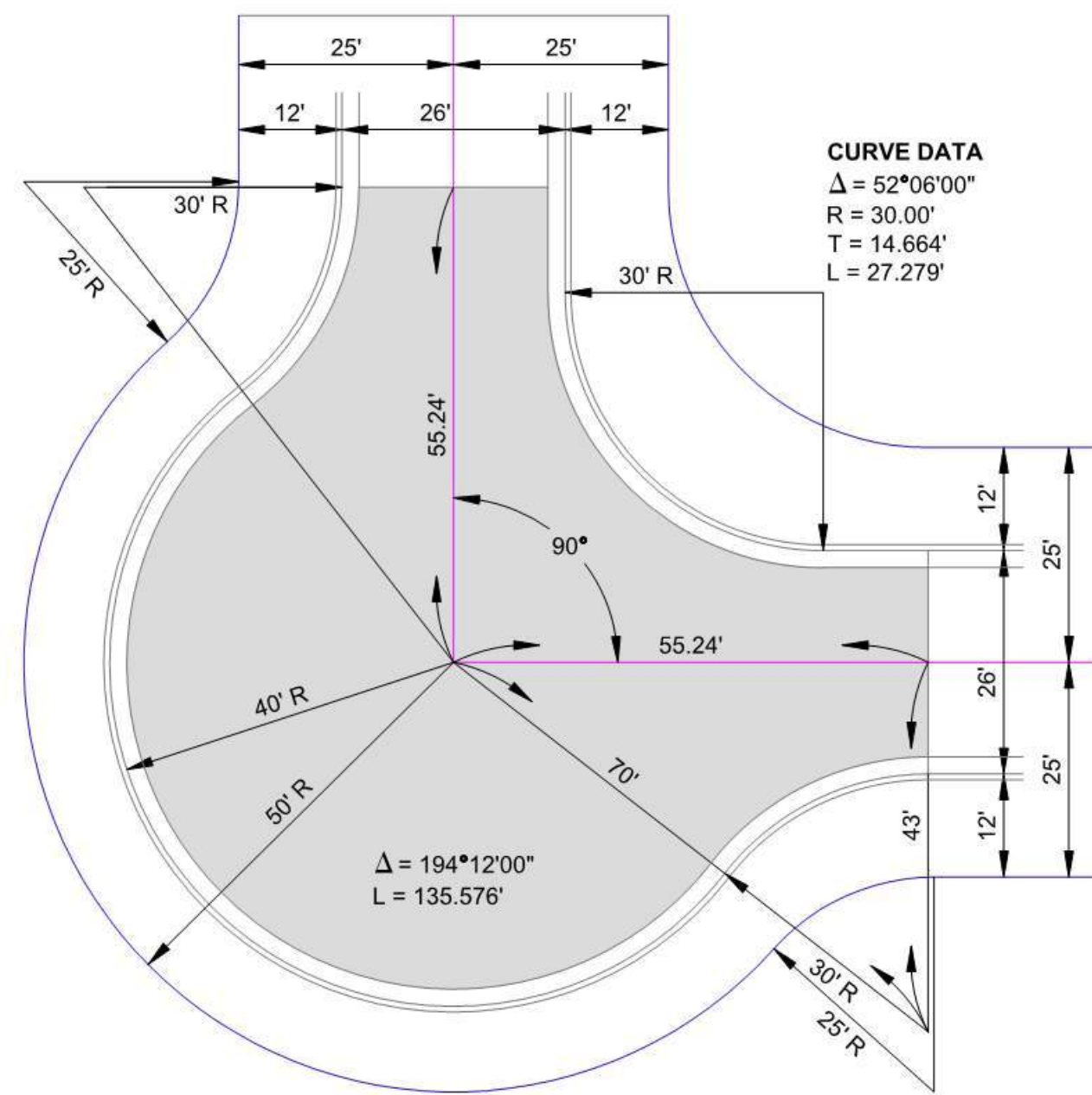
CURVE DATA
 $\Delta = 13^\circ 43' 45''$
 $R = 30.00'$
 $T = 3.61'$
 $L = 7.12'$

CURVE DATA
 $\Delta = 75^\circ 05' 58''$
 $R = 30.00'$
 $T = 23.06'$
 $L = 39.32'$

P.C. CONCRETE
289.94 L.F. CONCRETE
684.40 S.Y. P.C. CONCRETE
735.75 S.Y. BASE (Includes to 10" Back of Curb)

ASPHALTIC CONCRETE
289.94 L.F. CONCRETE & GUTTER
621.77 S.Y. ASPHALTIC CONCRETE
735.75 S.Y. BASE (Includes to 10" Back of Curb)

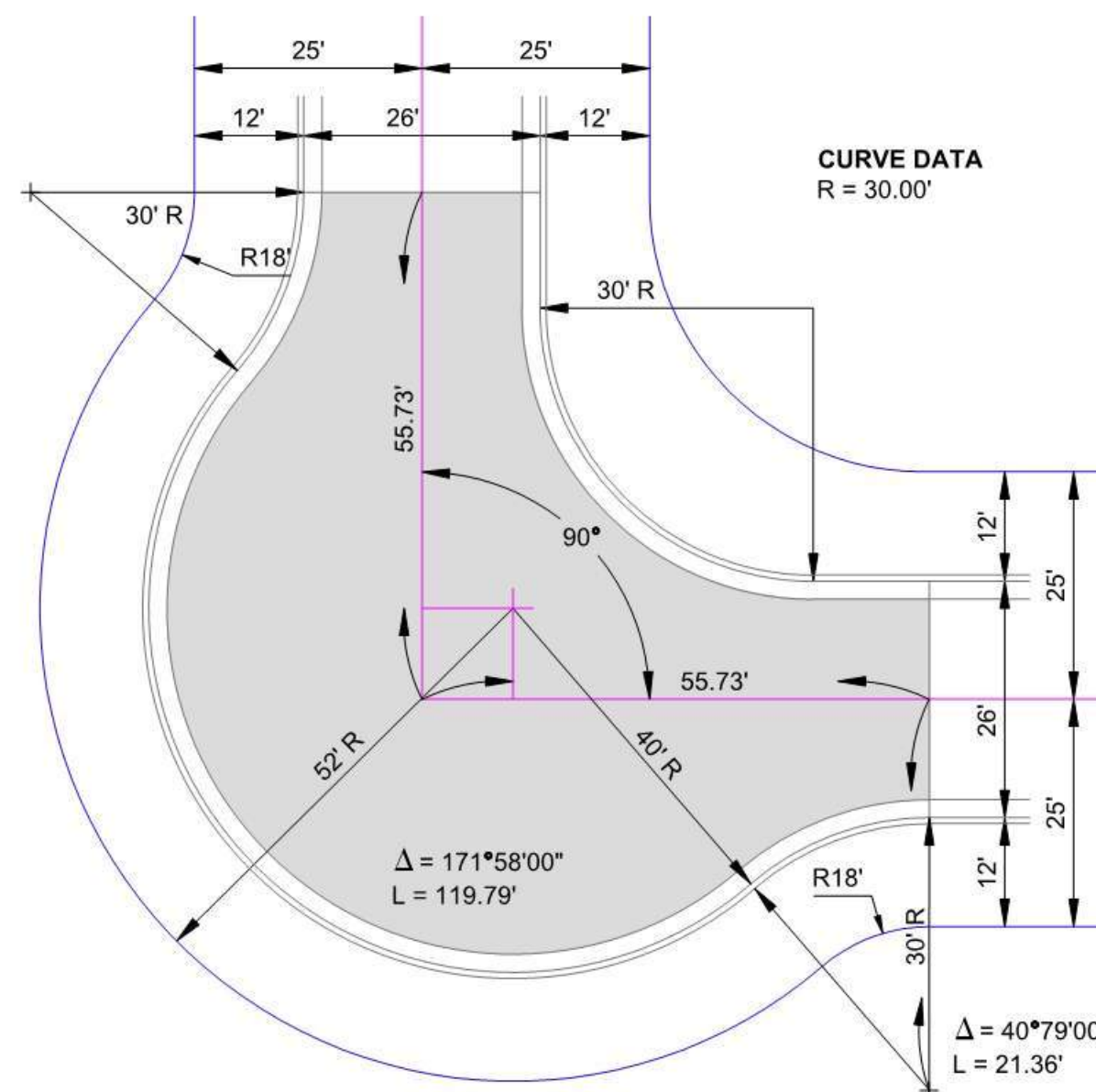
OFF-SET CUL-DE-SAC



P.C. CONCRETE
261.74 L.F. CONCRETE
678.56 S.Y. P.C. CONCRETE
683.10 S.Y. BASE (Includes to 10" Back of Curb)

ASPHALTIC CONCRETE
261.74 L.F. CONCRETE & GUTTER
578.40 S.Y. ASPHALTIC CONCRETE
683.10 S.Y. BASE (Includes to 10" Back of Curb)

90° CUL-DE-SAC

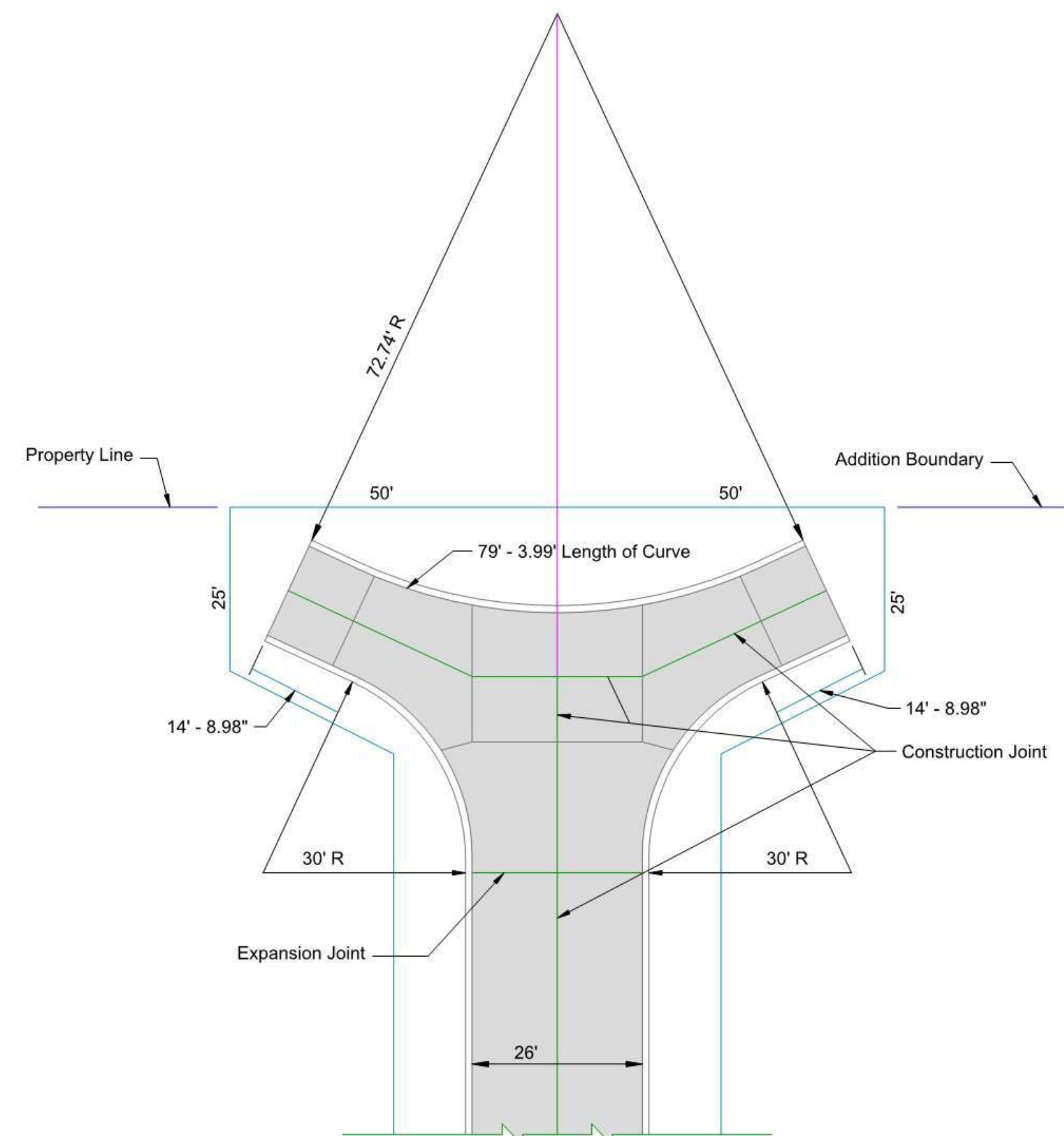


P.C. CONCRETE

ASPHALTIC CONCRETE
234.97 L.F. CONCRETE & GUTTER

27.64 LF curb shorter w/ 10' offset.
Approx. 91 sy smaller area.

90° CUL-DE-SAC

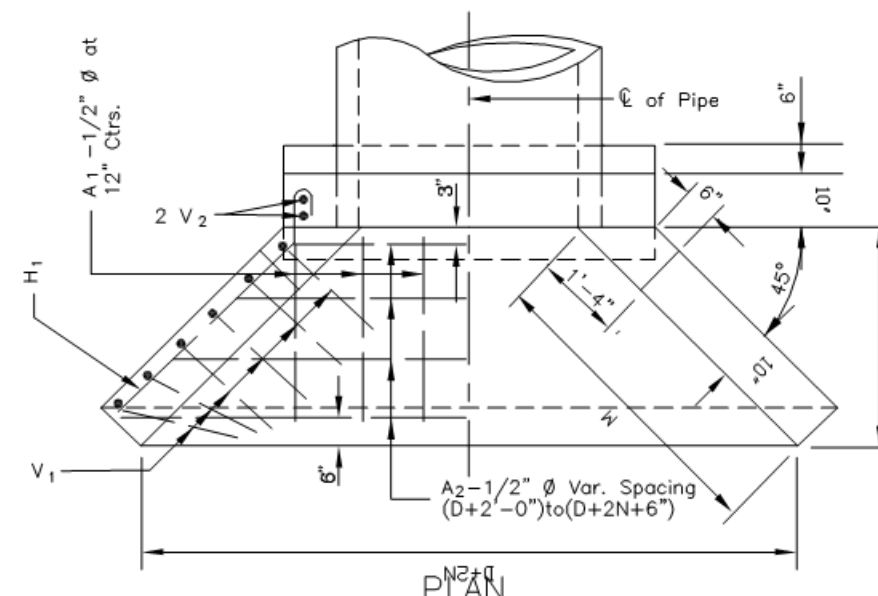
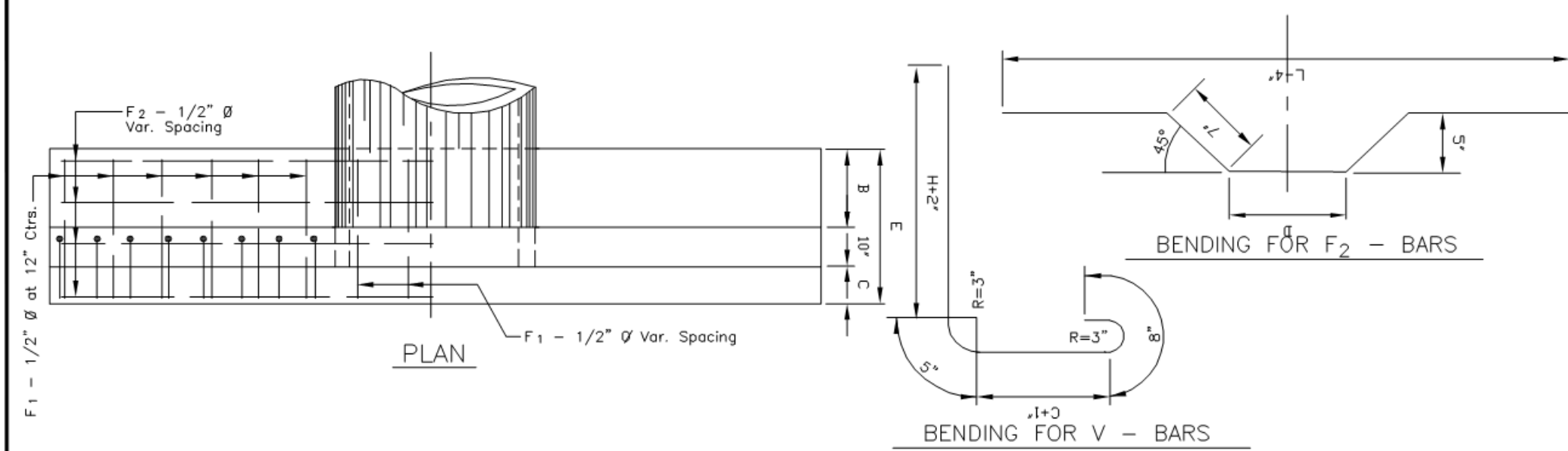


STANDARD "T" TURN AROUND

STANDARD DETAILS FOR CUL-DE-SACS

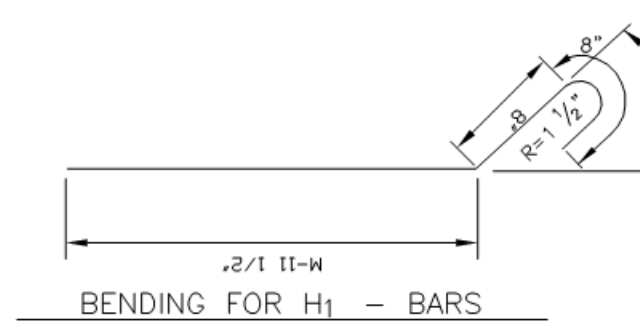
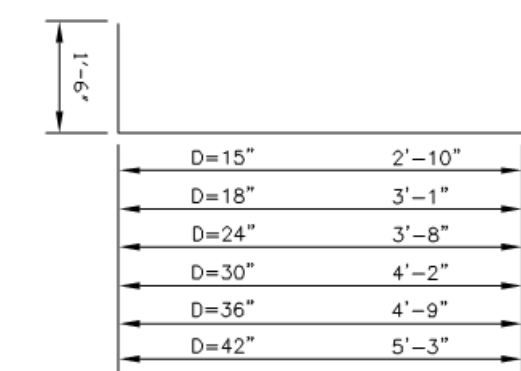
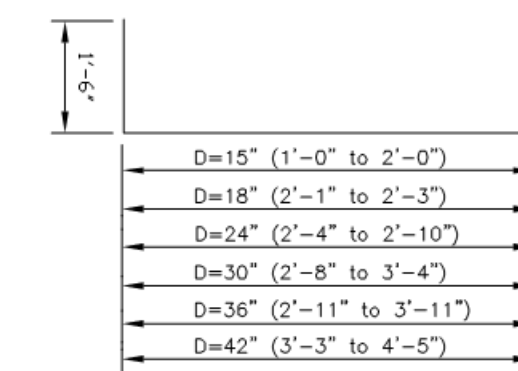
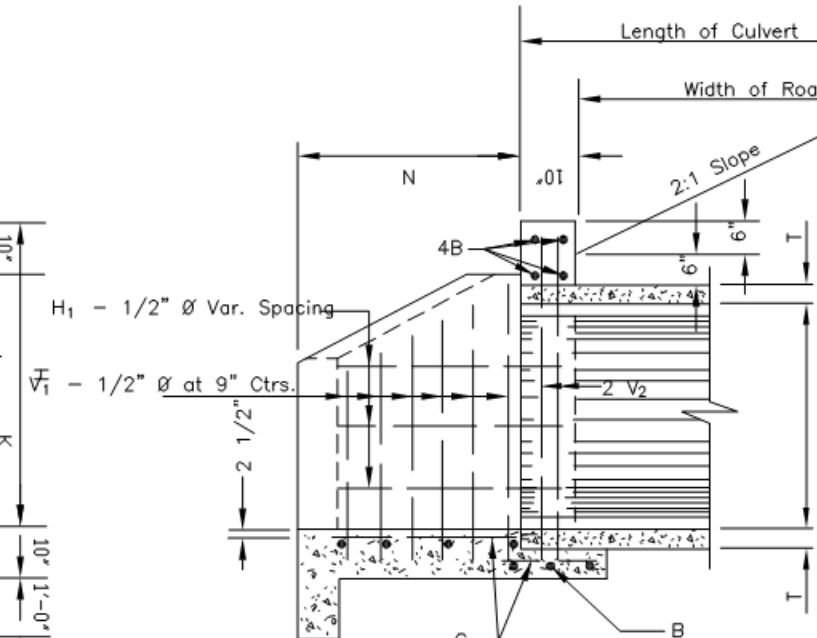
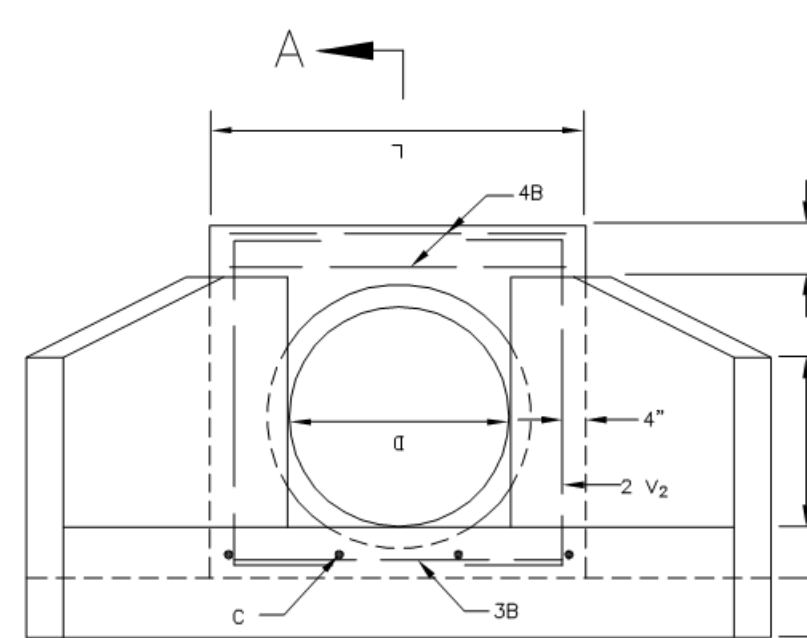
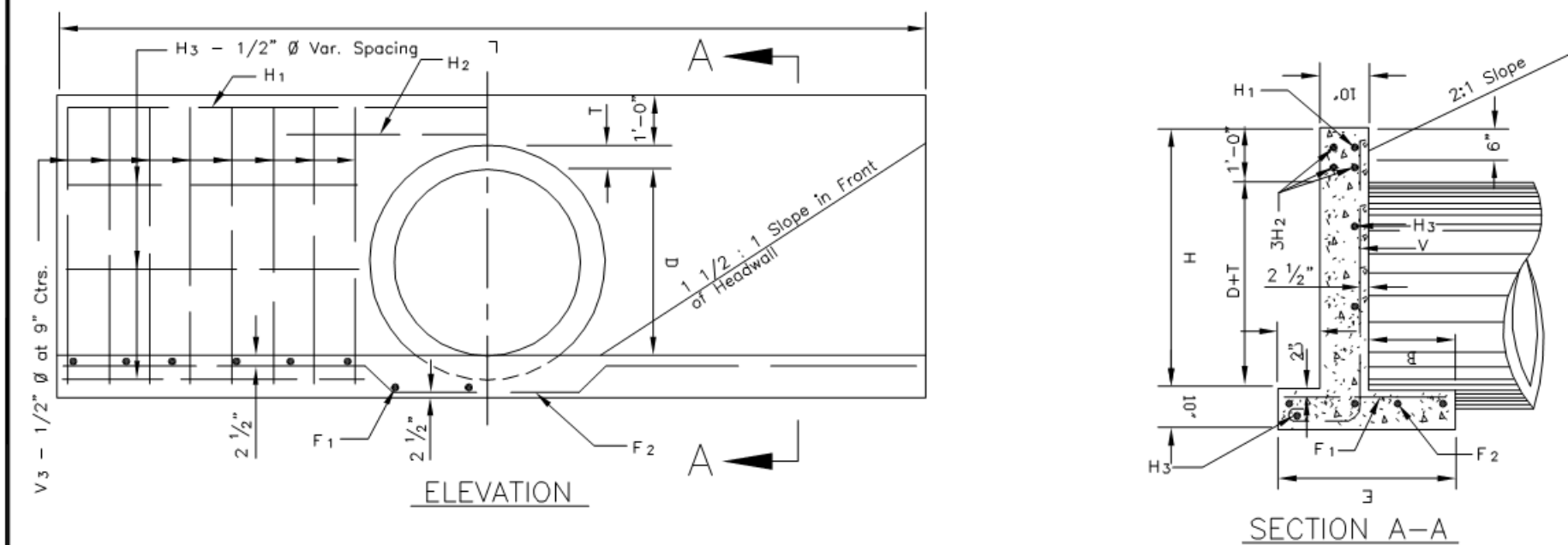
Drawing Number

D-400



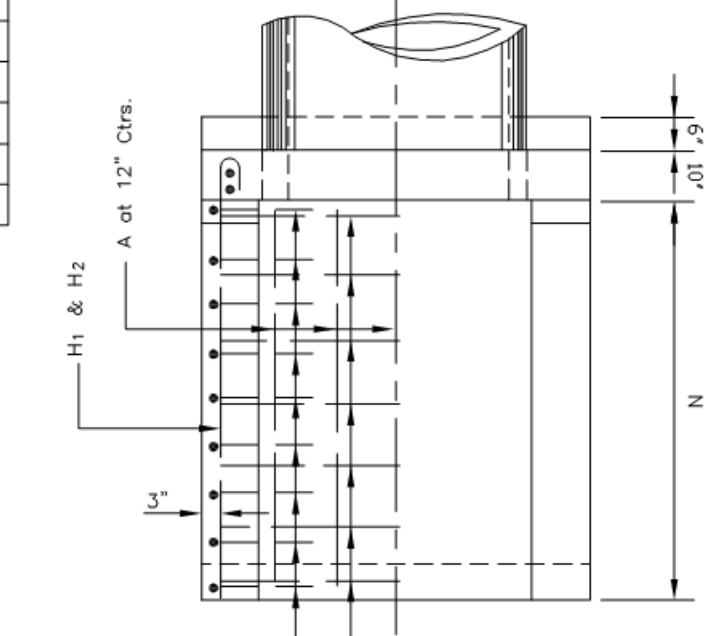
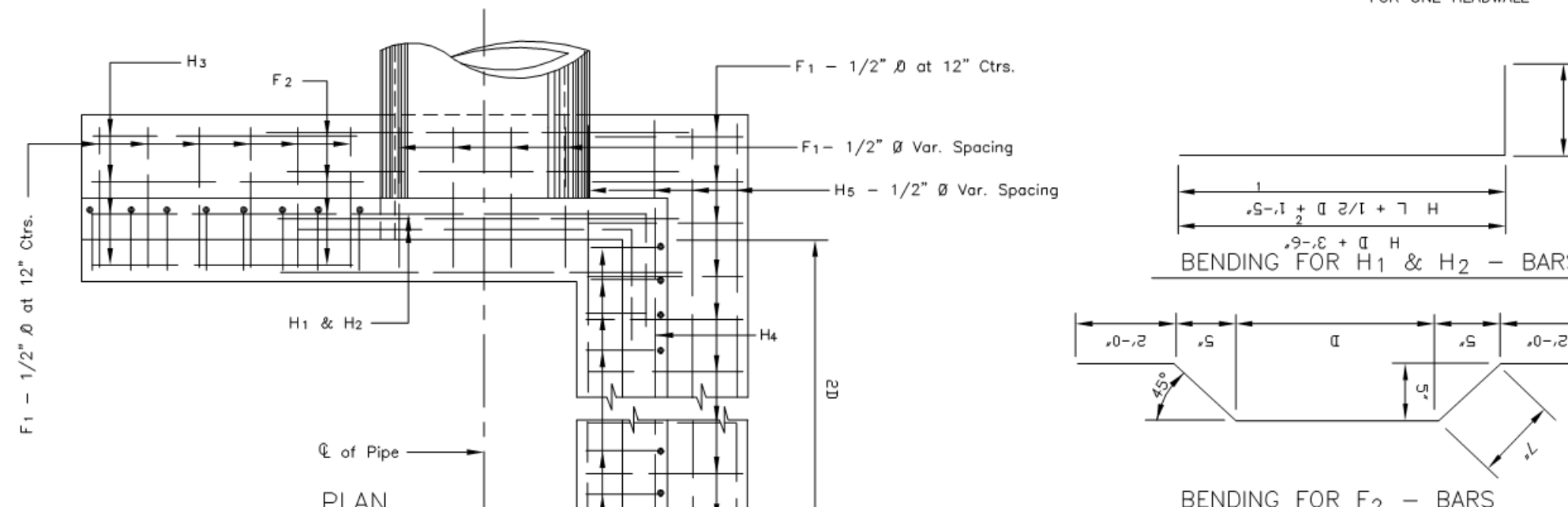
DIMENSIONS & QUANTITIES FOR HEADWALLS WITH 45° WINGS																							
DIMENSIONS								REINFORCING STEEL										QUANTITIES *					
D	AREA SQ.FT.	T	H	K	L	M	N	A ₁ - 1/2" Ø		A - 1/2" Ø		B - 1/2" Ø		C - 1/2" Ø		H ₁ - 1/2" Ø		V ₁ - 1/2" Ø		V - 1/2" Ø		CLASS "A" CONC. C.Y.	REINF. STEEL LBS.
								NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH		
15"	1.23	2 1/4"	2'-5 1/4"	1'-5"	3'-7"	1'-9"	1'-3"	4	1'-0"	2	3'-9" Av.	7	3'-3"	3	1'-6"	4	2'-11"	4	3'-5" Av.	4	5'-10"	.74	57
18"	1.77	2 1/2"	2'-8 1/2"	1'-7"	3'-10"	2'-1 1/2"	1'-6"	4	1'-2"	2	4'-3" Av.	7	3'-6"	3	1'-6"	4	2'-6"	4	3'-8" Av.	4	6'-1"	.91	61
24"	3.14	3"	3'-3"	1'-10 1/2"	4'-4"	2'-10"	2'-0"	5	1'-8"	3	5'-3" Av.	7	4'-0"	3	1'-6"	6	3'-2"	6	4'-1" Av.	4	6'-8"	1.37	85
30"	4.91	3 1/2"	3'-9 1/2"	2'-2"	4'-10"	3'-6 1/2"	2'-6"	5	2'-2"	3	6'-3" Av.	7	4'-6"	4	1'-6"	6	3'-11"	8	4'-6" Av.	4	7'-2"	1.77	104
36"	7.07	4"	4'-4"	2'-5 1/2"	5'-4"	4'-3"	3'-0"	6	2'-8"	4	7'-3" Av.	7	5'-0"	4	1'-6"	6	4'-7"	10	4'-11" Av.	4	7'-9"	2.29	130
42"	9.62	4 1/2"	4'-10 1/2"	2'-9"	5'-10"	4'-11 1/2"	3'-6"	6	3'-2"	4	8'-3" Av.	7	5'-6"	4	1'-6"	6	5'-4"	12	5'-4" Av.	4	8'-3"	2.89	151

* FOR ONE HEADWALL



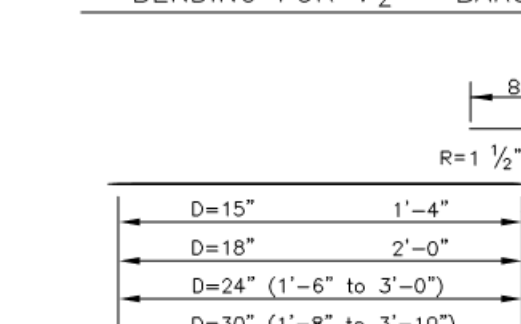
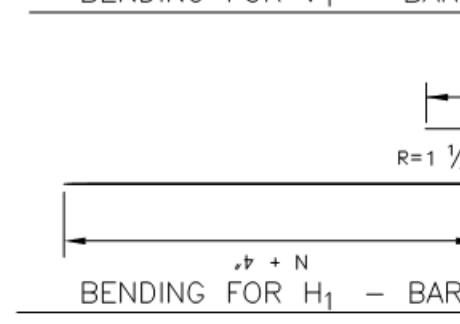
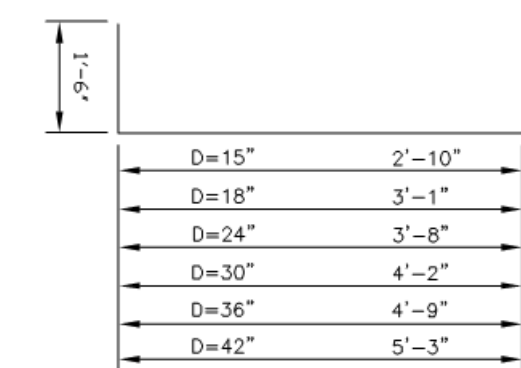
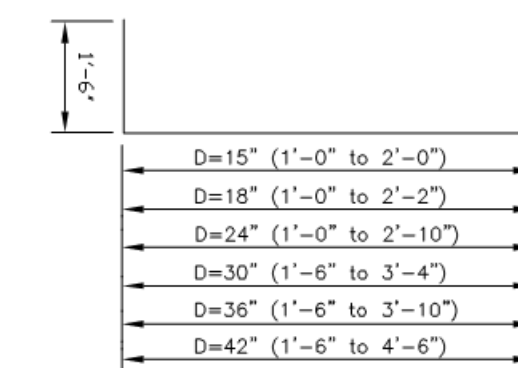
DIMENSIONS & QUANTITIES FOR STRAIGHT HEADWALLS																			
DIMENSIONS								REINFORCING STEEL										QUANTITIES *	
D	AREA SQ.FT.	T	H	L	E	B	C	F ₁ - 1/2" Ø	F ₂ - 1/2" Ø	H ₁ - 1/2" Ø	H ₂ - 1/2" Ø	H ₃ - 1/2" Ø	V - 1/2" Ø	CLASS "A" CONC. C.Y.	REINF. STEEL LBS.				
								NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH				
15"	1.23	2 ½"	2'-5 ½"	6'-0"	2'-2"	10"	6"	6	1'-10"	3	6'-0"	1	5'-8"	3	5'-3"	.78			
18"	1.77	2 ½"	2'-8 ½"	7'-0"	2'-3"	11"	6"	8	1'-11"	3	7'-0"	1	6'-8"	3	5'-6"	.98			
24"	3.14	3"	3'-3"	9'-0"	2'-7"	1'-3"	6"	11	2'-3"	3	9'-0"	1	8'-8"	3	6'-0"	1.46			
30"	4.91	3 ½"	3'-9 ½"	11'-0"	2'-10"	1'-4"	8"	11	2'-6"	3	11'-0"	1	10'-8"	3	6'-6"	2.00			
36"	7.07	4"	4'-4"	14'-0"	3'-1"	1'-7"	8"	16	2'-9"	4	14'-0"	1	13'-8"	3	7'-0"	2.85			
42"	9.62	4 ½"	4'-10 ½"	16'-0"	3'-4"	1'-8"	10"	16	3'-0"	4	16'-0"	1	15'-8"	3	7'-6"	3.58			

* FOR ONE HEADWALL



DIMENSIONS & QUANTITIES FOR HEADWALLS WITH U-TYPE WINGS																							
DIMENSIONS						REINFORCING STEEL										QUANTITIES *							
D	AREA SQ.FT.	T	H	L	N	A ₁ - 1/2" Ø	A ₂ - 1/2" Ø	B - 1/2" Ø	C - 1/2" Ø	H ₁ - 1/2" Ø	H ₂ - 1/2" Ø	V ₁ - 1/2" Ø	V ₂ - 1/2" Ø	CLASS "A" CONC. C.Y.	REINF. STEEL LBS.								
						NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH								
15"	1.23	2 ¼"	2'-5 ½"	3'-11"	2'-6"	3	2'-2"	3	3'-7"	7	3'-7"	3	1'-6"	2	2'-0"	8	3'-0" Av.	4	5'-10"	.95	71		
18"	1.77	2 ½"	2'-8 ½"	4'-2"	3'-1"	3	2'-9"	4	3'-10"	7	3'-10"	3	1'-6"	2	2'-8"	8	3'-1" Av.	4	6'-1"	1.15	79		
24"	3.14	3"	3'-3"	4'-8"	4'-2"	4	3'-10"	5	4'-4"	7	4'-4"	4	1'-6"	2	5'-2"	4	2'-11" Av.	12	3'-5" Av.	4	6'-8"	1.60	109
30"	4.91	3 ½"	3'-9 ½"	5'-2"	4'-3"	4	3'-11"	5	4'-10"	7	4'-10"	4	1'-6"	2	5'-3"	4	3'-5" Av.	12	3'-11" Av.	4	7'-2"	1.91	120
36"	7.07	4"	4'-4"	5'-8"	5'-4"	5	5'-0"	6	5'-4"	7	5'-4"	5	1'-6"	2	6'-4"	6	3'-11" Av.	14	4'-2" Av.	4	7'-9"	2.48	152
42"	9.62	4 ½"	4'-10 ½"	6'-2"	6'-5"	5	6'-1"	7	5'-10"	7	5'-10"	5	1'-6"	2	7'-5"	6	4'-10" Av.	18	4'-6" Av.	4	8'-3"	3.12	186

* FOR ONE HEADWALL



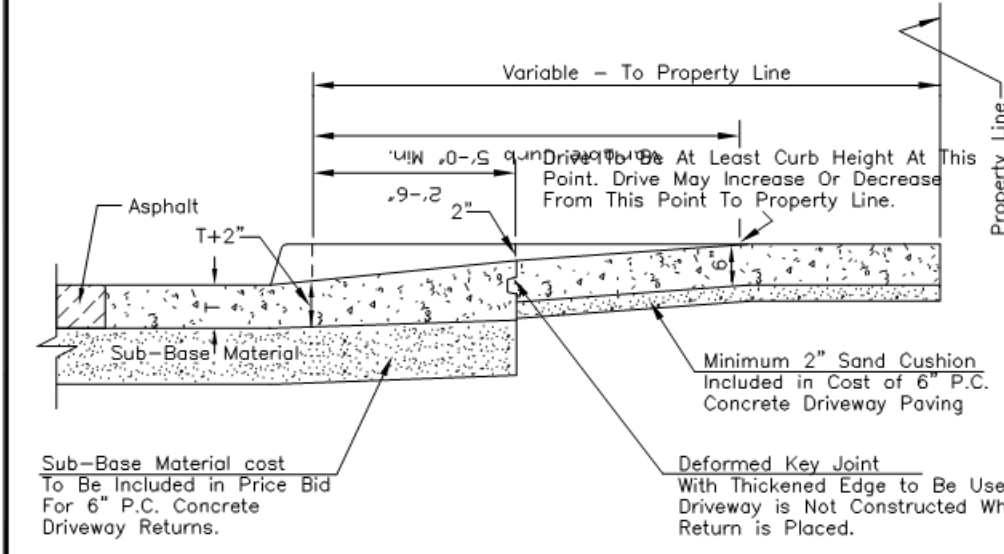
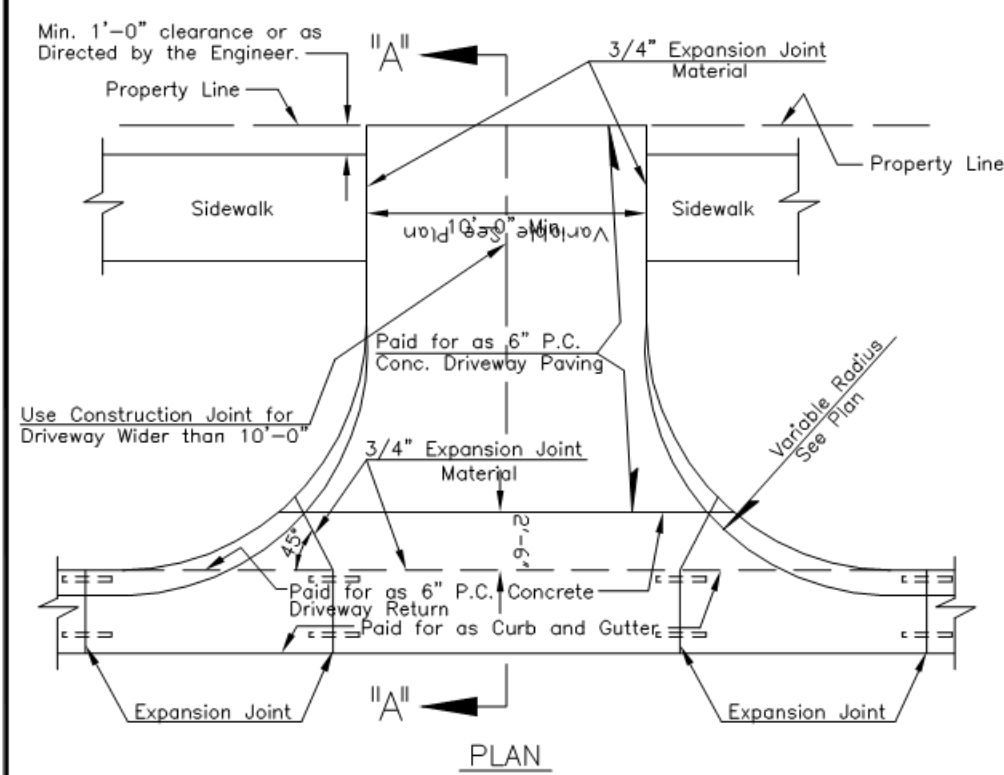
DIMENSIONS & QUANTITIES FOR HEADWALLS WITH 90° WINGS																								
DIMENSIONS								REINFORCING STEEL													QUANTITIES *			
D	AREA SQ.FT.	T	H	L	E	B	C	F ₁ - 1/2" Ø	F ₂ - 1/2" Ø	H ₁ - 1/2" Ø	H ₂ - 1/2" Ø	H ₃ - 1/2" Ø	H ₄ - 1/2" Ø	H ₅ - 1/2" Ø	V - 1/2" Ø	CLASS "A" CONC. C.Y.	REINF. STEEL LBS.							
								NO. LENGTH	NO. LENGTH	NO. LENGTH	NO. LENGTH	NO. LENGTH	NO. LENGTH	NO. LENGTH	NO. LENGTH									
15"	1.23	2 ¼"	2'-5 ¼"	3'-0"	2'-2"	10"	6"	10 1'-10"	3 6'-5"	1 7'-0"	3 6'-9"	5 2'-0"	2 3'-0"	4 3'-10"	7 4'-3"	1.09	84							
18"	1.77	2 ½"	2'-8 ½"	3'-6"	2'-3"	11"	6"	10 1'-11"	3 6'-8"	1 7'-8"	3 7'-0"	5 2'-4"	2 3'-6"	4 4'-5"	9 4'-6"	1.32	97							
24"	3.14	3"	3'-3"	4'-6"	2'-7"	1'-3"	6"	14 2'-3"	3 7'-2"	1 8'-11"	3 7'-6"	6 3'-1"	3 4'-6"	4 5'-9"	11 5'-1"	1.94	131							
30"	4.91	3 ½"	3'-9 ½"	5'-6"	2'-10"	1'-4"	8"	16 2'-6"	3 7'-8"	1 10'-2"	3 8'-0"	6 3'-9"	3 5'-6"	4 6'-10"	14 5'-9"	2.59	163							
36"	7.07	4"	4'-4"	7'-0"	3'-1"	1'-7"	8"	19 2'-9"	4 8'-2"	1 11'-11"	3 8'-6"	7 5'-0"	4 6'-6"	4 8'-1"	17 6'-4"	3.47	216							
42"	9.62	4 ½"	4'-10 ½"	8'-0"	3'-4"	1'-8"	10"	21 3'-0"	4 8'-8"	1 13'-2"	3 9'-0"	7 5'-8"	4 7'-6"	4 9'-2"	19 7'-0"	4.32	252							

* FOR ONE HEADWALL

GENERAL NOTES

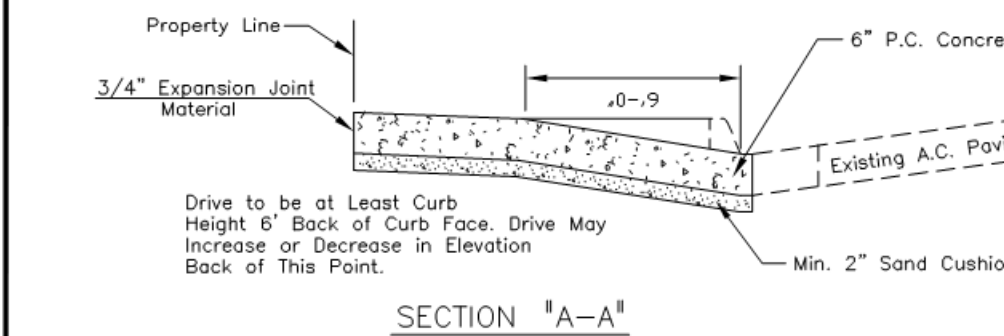
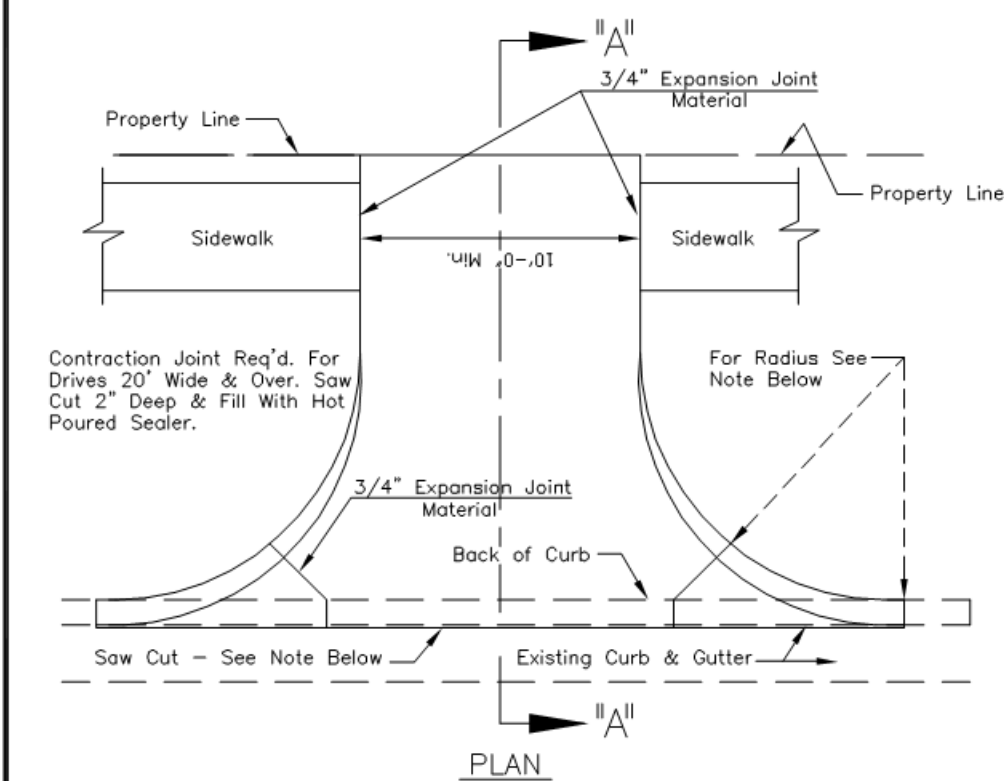
- All Construction shall be in accordance with City of Chickasha Standard Specifications.
- All Exposed Concrete Surfaces shall have a Carborundum Finish.
- All Exposed Concrete Edges shall have a 3/4" Chamfer.
- All Reinforced Steel shall conform to ASTM Spec. A-305-49.

CITY OF CHICKASHA COMMUNITY PLANNING & DEVELOPMENT			
CAST-IN-PLACE CONCRETE HEADWALLS FOR 15" TO 42" REINF. CONC. PIPES			
APPROVED BY: _____	DATE: _____	DRAWN: _____	DWG. NO. D-406



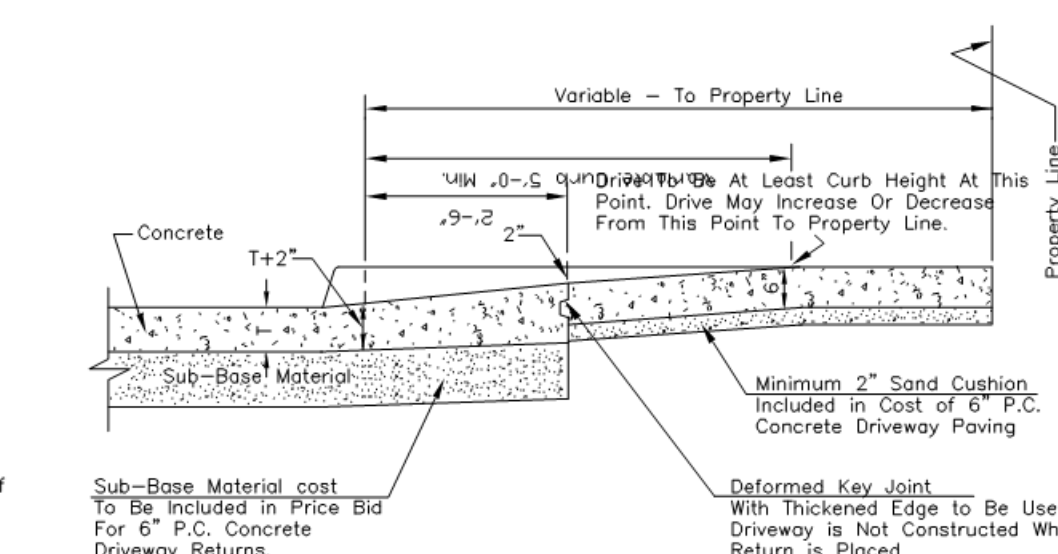
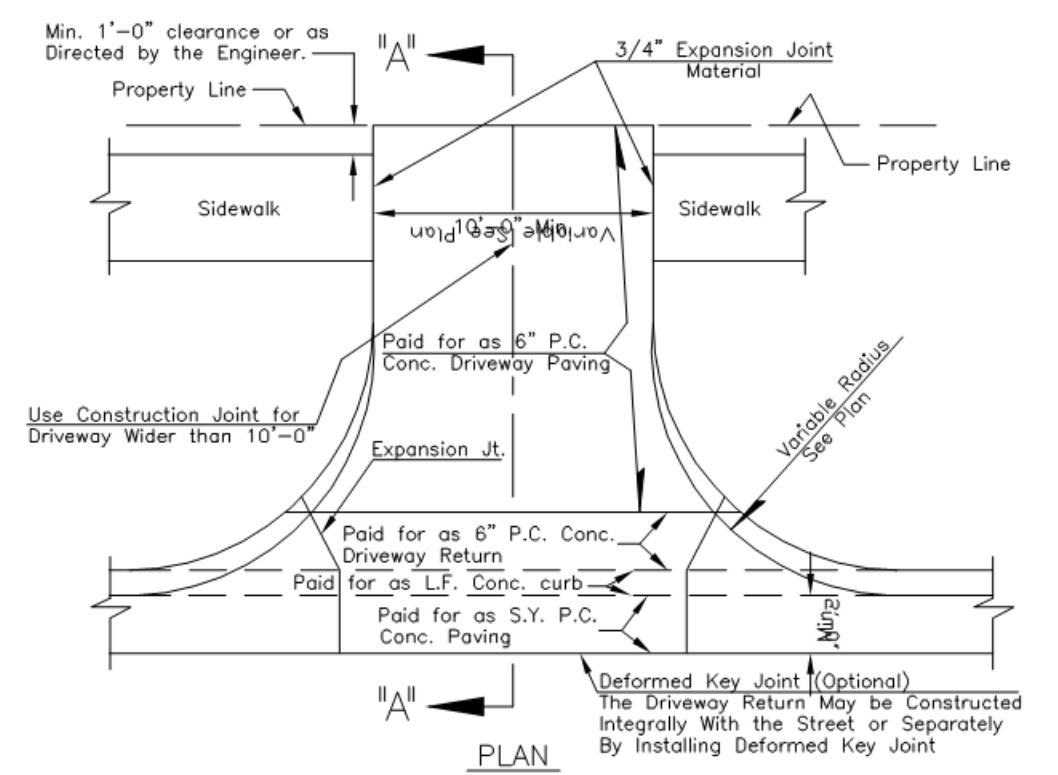
- NOTES:
1. A 5'-0" Minimum Radius is Approved for One & Two Family Residences Not Abutting a Limited Access or Major Street. All other Driveways Will Have a 10'-0" Min. Radius.
 2. Should a Different Curb & Gutter Section be Used (Other than Shown) Refer to the Curb & Gutter Detail for Dimensions.
 3. Curb Cuts Exceeding 42' Must be Approved by the City Engineer.

DRIVEWAY DETAILS FOR A.C. PAVING (NEW CONSTRUCTION)



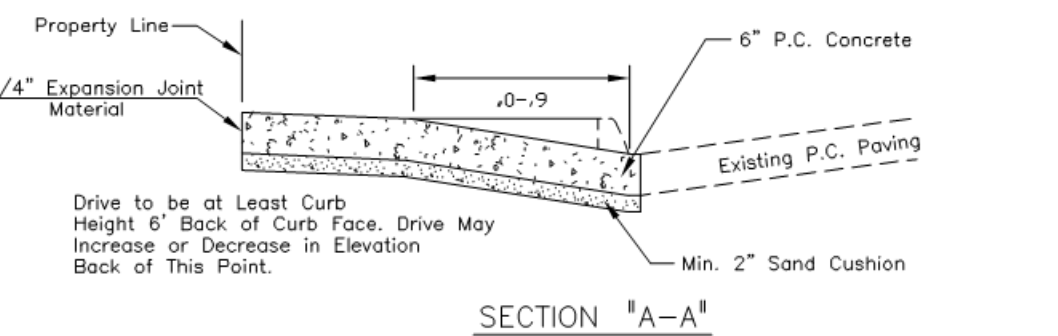
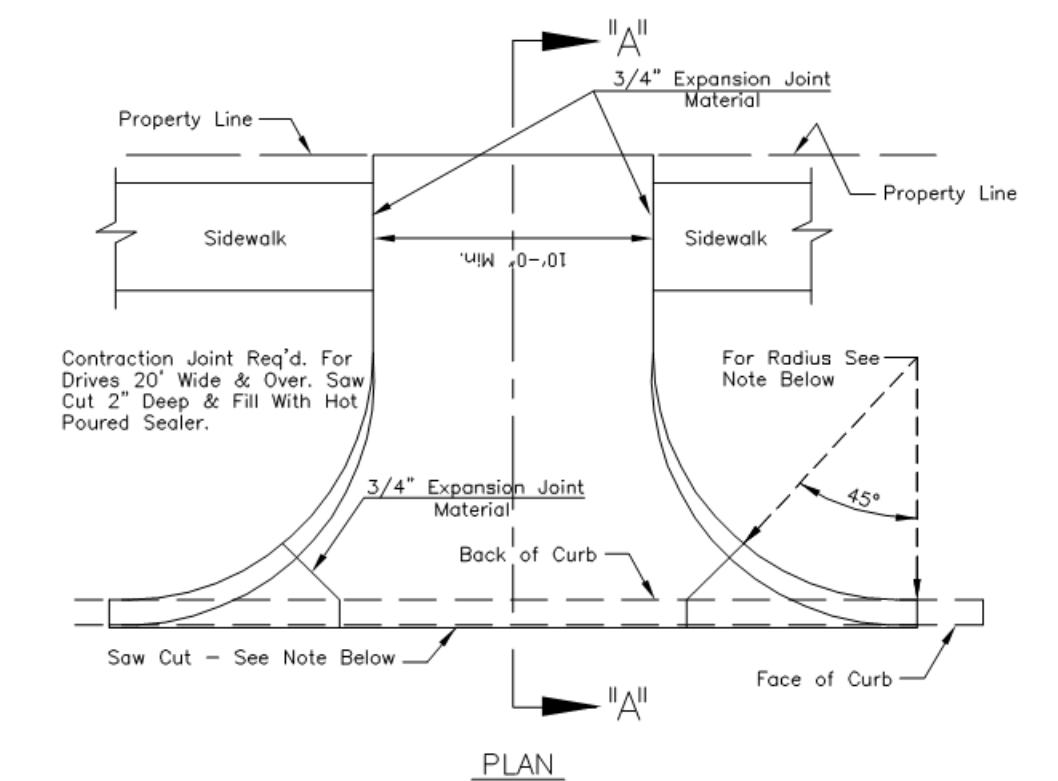
- NOTES:
1. Do Not Turn Radius in Front of Adjacent Property Without Written Permission From Adjacent Property Owner.
 2. If Existing Gutter Holds Water The Contractor Shall Notify The City Engineer Before Starting Work. The New Work Will Not Be Accepted If The Gutter Holds Water Across The Drive or on Either Side.
 3. The Driveway Contractor May Saw Cut and Remove The Complete Curb & Gutter Section or The Curb Only on a 24' Gutter Section If Gutter is in Good Condition. Remove All of Gutter When Connecting With 10' Gutter. Saw Cuts Shall Be 2" or 1/3 The Depth of The Gutter. Which Ever is Greater. Saw Cuts Shall Include The Top & Face of Curb as Well as The Gutter. Saw Cut Shall Be Made Prior To The Removal of Concrete.
 4. A 5'-0" Minimum Radius is Approved For One & Two Family Residences Not Abutting a Limited Access or Major Street. All Other Driveways Will Have a Minimum 10' Radius.
 5. Curb Cuts Exceeding 42' Must be Approved By The City Engineer.

DRIVEWAY DETAILS FOR A.C. PAVING (EXISTING PAVING)



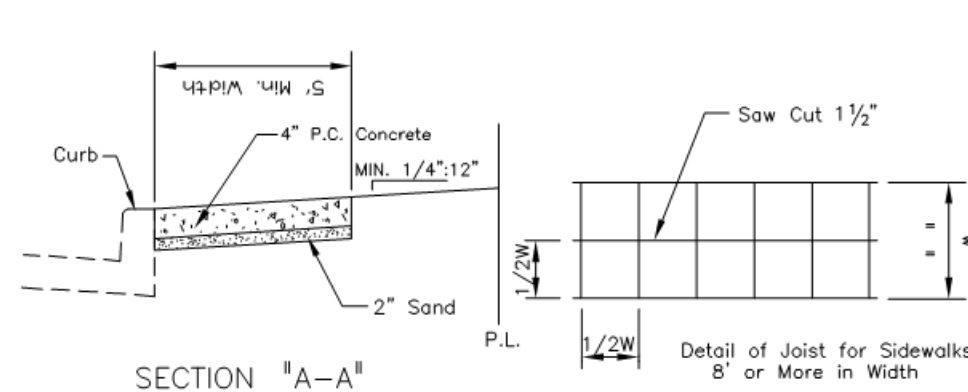
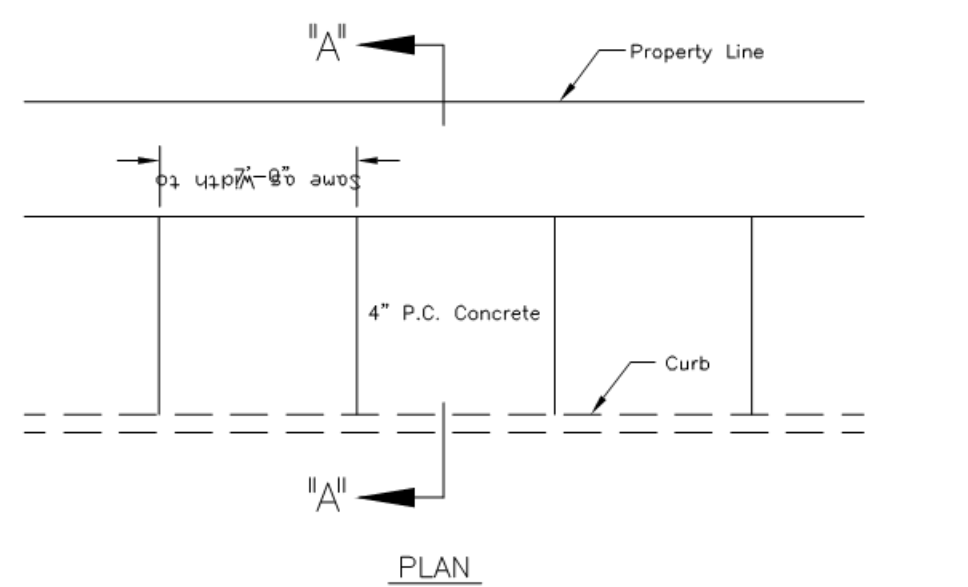
- NOTES:
1. A 5'-0" Minimum Radius is Approved for One & Two Family Residences Not Abutting a Limited Access or Major Street. All other Driveways Will Have a 10'-0" Min. Radius.
 2. Should a Different Curb & Gutter Section be Used (Other than Shown) Refer to the Curb & Gutter Detail for Dimensions.
 3. Expansion Joints at Driveway Returns Shall be Full Expansion Joints Extending Completely Across the Street.
 4. Curb Exceeding 42' Must be Approved By The City Engineer.

DRIVEWAY DETAILS FOR CONC. PAVING (NEW CONSTRUCTION)



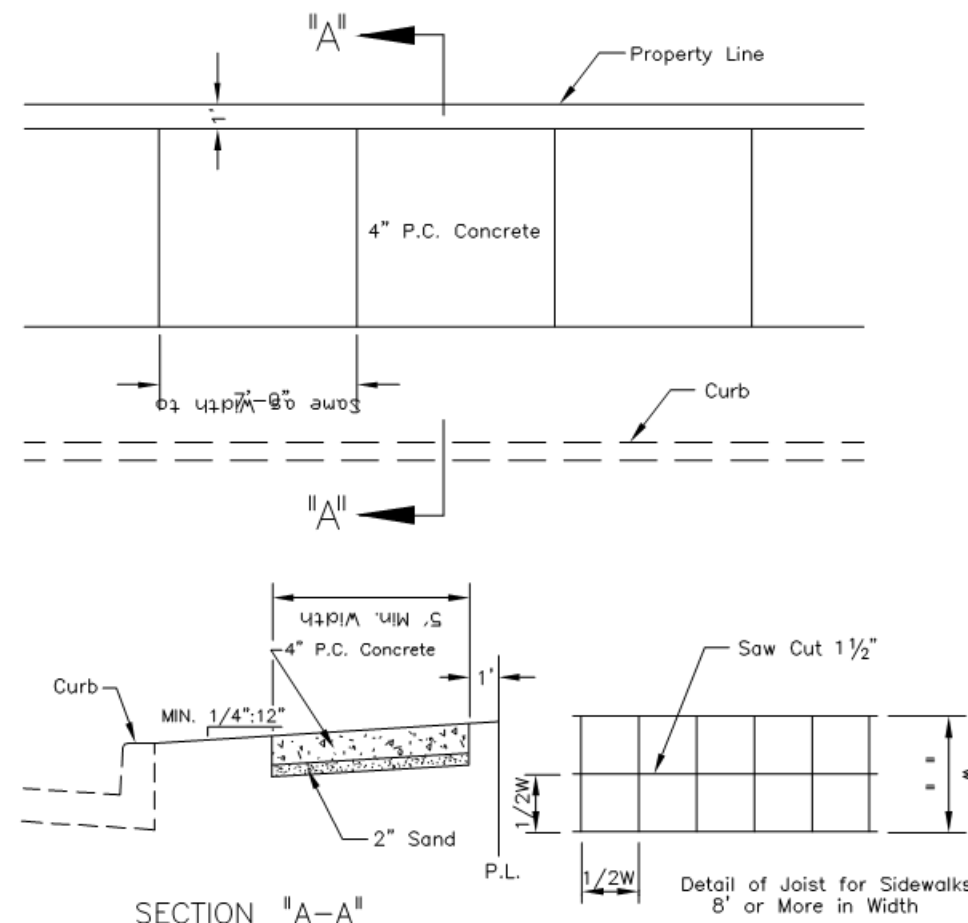
- NOTES:
1. A 5'-0" Minimum Radius is Approved for One & Two Family Residences Not Abutting a Limited Access or Major Street. All Other Driveways Will Have a 10'-0" Min. Radius.
 2. The Driveway Contractor May Saw Cut & Remove The Complete Curb & Gutter Section or The Curb Only. Saw Cuts Shall be 2" or 1/3 The Depth of The Gutter. Which Ever is Greater. Saw Cuts Shall Include the Top & Face of Curb as Well as The Gutter. Saw Cuts Shall be Made Prior To The Removal of Concrete.
 3. If a Gutter Holds Water Prior to Any Construction By the Driveway Contractor, He Should Notify the City Engineer of The Situation Before Doing Any Work. The Completed Driveway Work Will Not Be Accepted If The Gutter Holds Water Due to Poor Construction By The Contractor.
 4. It is Recognized That This Driveway Detail Will Not Cover Every Possible Situation Encountered in Construction. Additional Expansion Joints Will be Required as Needed.
 5. Clean & Seal All Joints & Saw Cuts in Accordance With Standard Specifications.
 6. See Note 1, #302.
 7. Curb Cuts Exceeding 42' Must be Approved By The City Engineer.

DRIVEWAY DETAILS FOR CONC. PAVING (EXISTING PAVING)



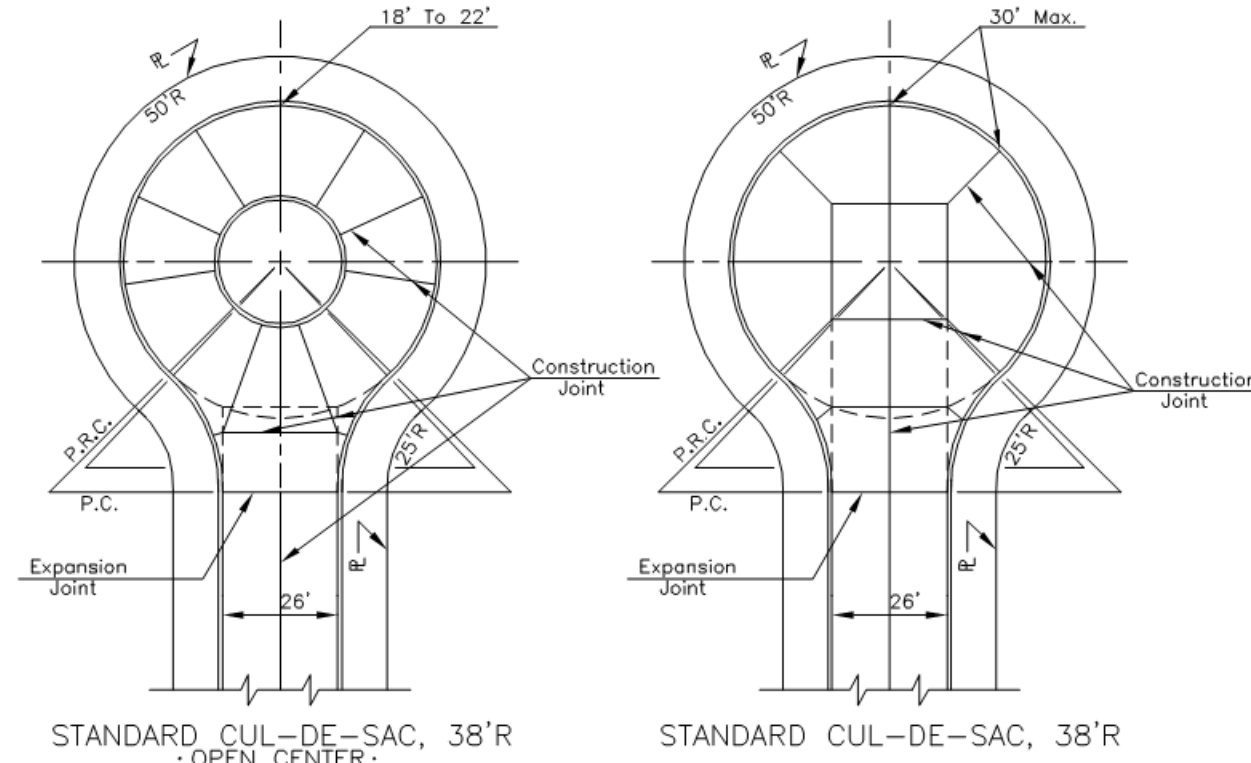
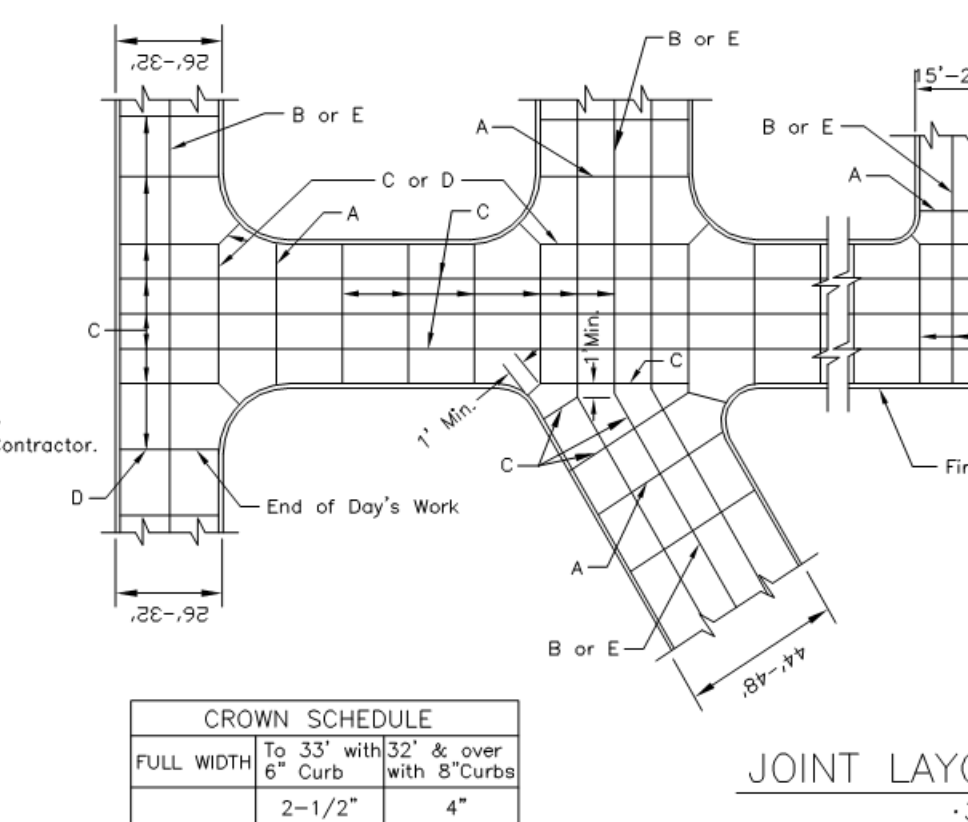
- NOTES:
1. 3/4"x4" Premolded Expansion Materials Around P.P. Or Other Structures In Walk.
 2. Expansion Joints Maximum Distance = 100', Used 3/4"x4" Premolded Expansion Material.
 3. Contraction Joints Maximum Distance = 21', Saw Cut 2" Deep And Fill With Hot Poured Sealer.
 4. Saw Cut Joints Within 24 Hours.
 5. Use 3/4"x4" Premolded Expansion Joint At Curb If Sidewalk Abuts Objects On Property Line Side.

DETAIL FOR SIDEWALK (LOCATED AT CURB)

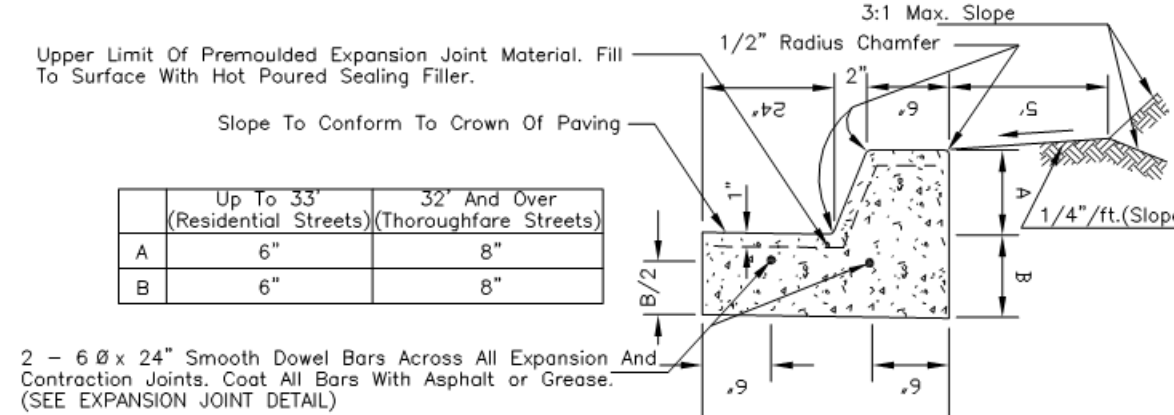


- NOTES:
1. 3/4"x4" Premolded Expansion Materials Around P.P. Or Other Structures In Walk.
 2. Expansion Joints Maximum Distance = 100', Used 3/4"x4" Premolded Expansion Material.
 3. Contraction Joints Maximum Distance = 21', Saw Cut 2" Deep And Fill Hot Poured Sealer.
 4. Saw Cut Joints Within 24 Hours.

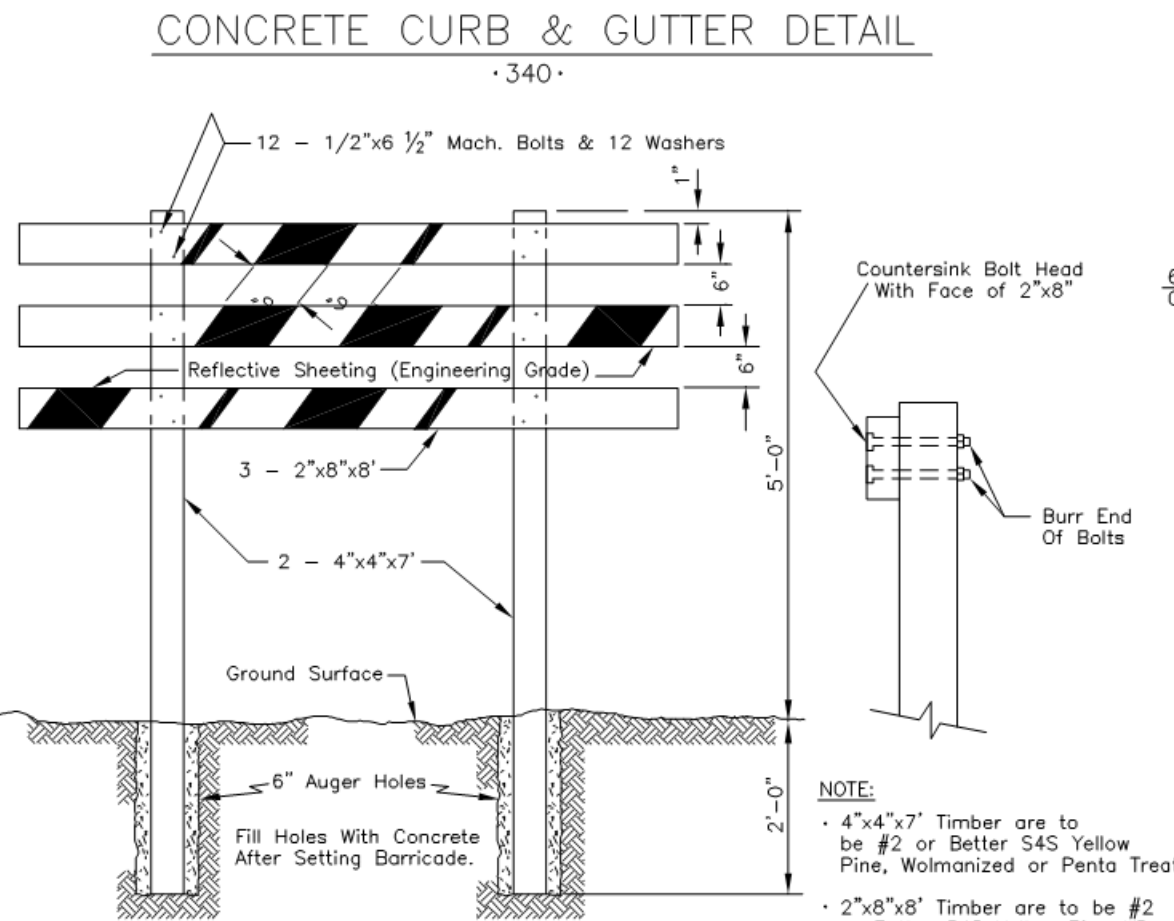
DETAIL FOR SIDEWALK (LOCATED ON PROPERTY LINE)



JOINT LAYOUT DETAILS

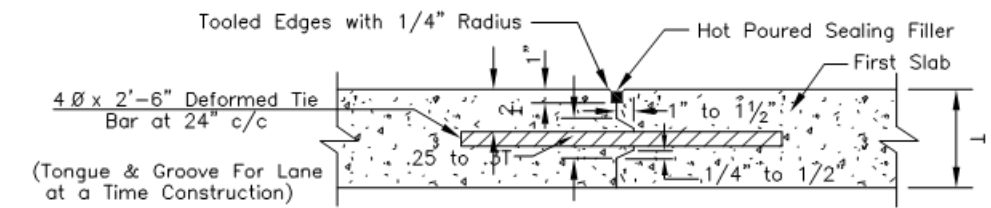
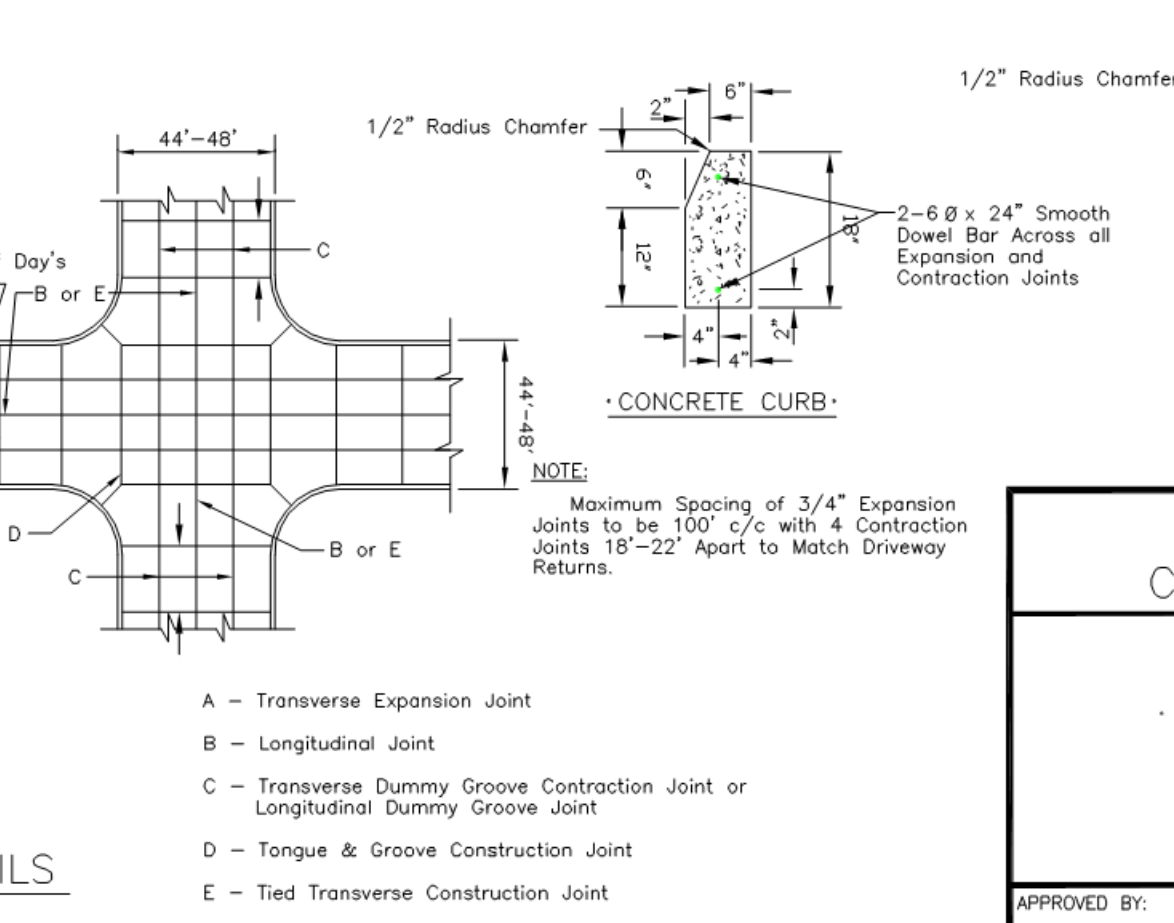


CONCRETE CURB & GUTTER DETAIL

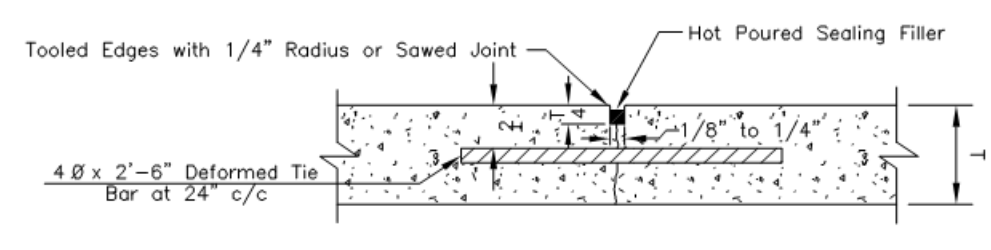
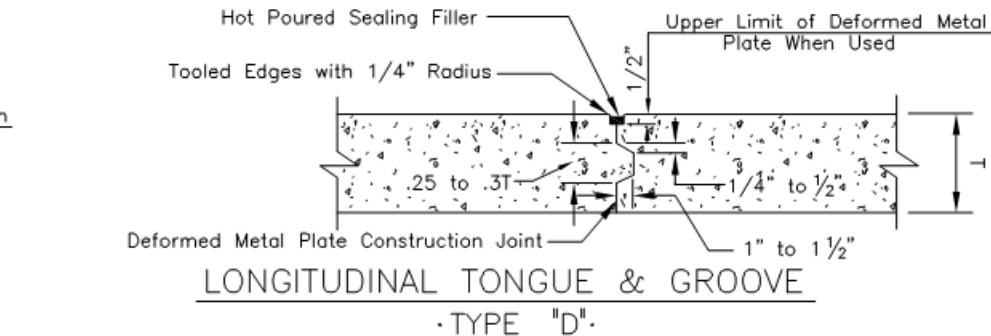


- NOTE:
1. Markings for Barricade Rails are to be Orange and White. Markings are to be 6" Wide and Attached at 45° Angles as Set Forth in the Uniform Traffic Control Devices Manual-1971

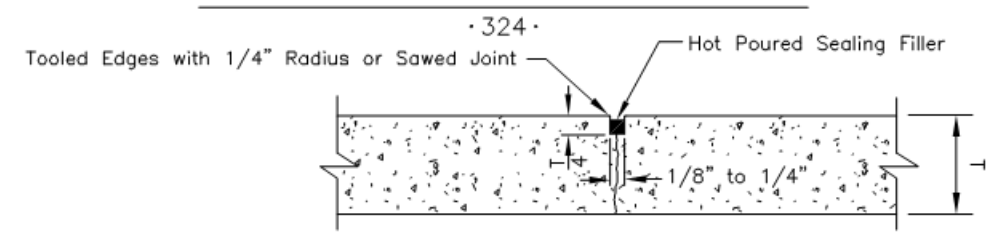
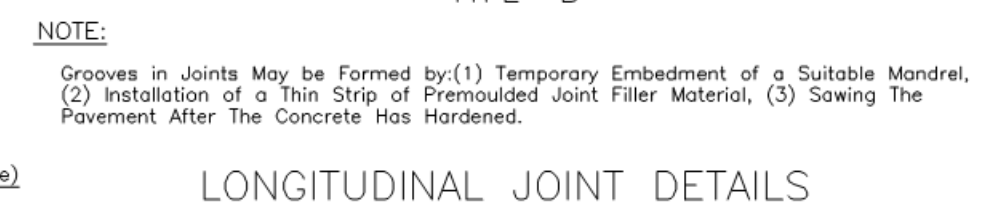
STANDARD REFLECTOR TYPE BARRICADE



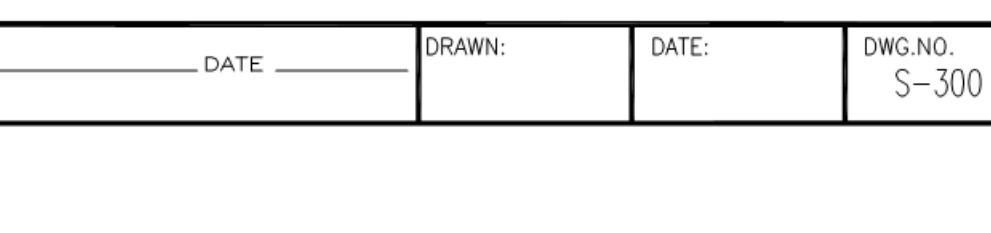
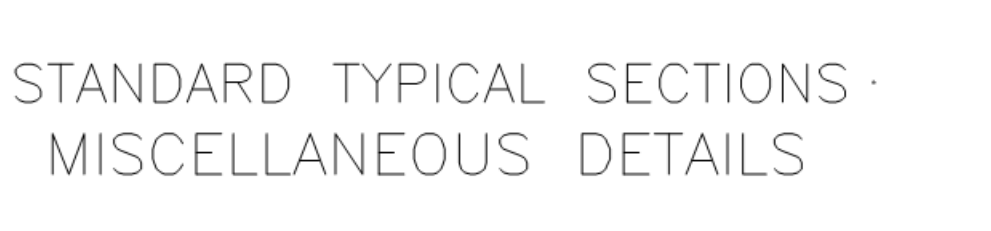
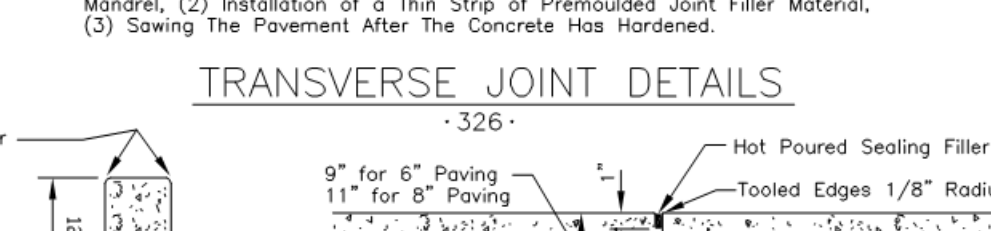
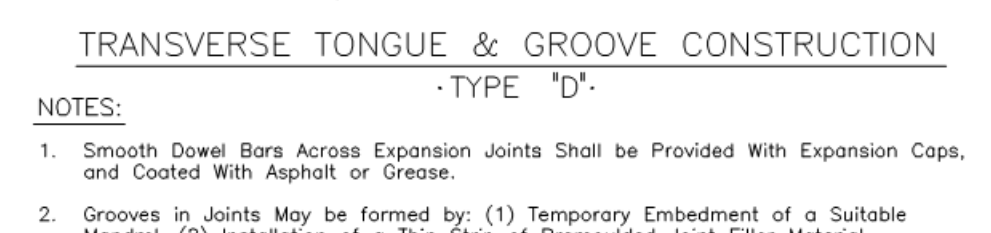
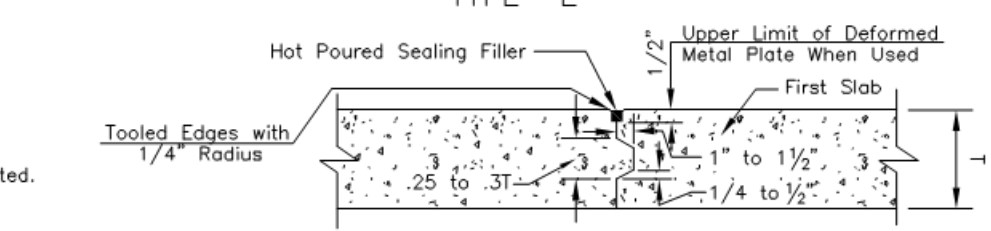
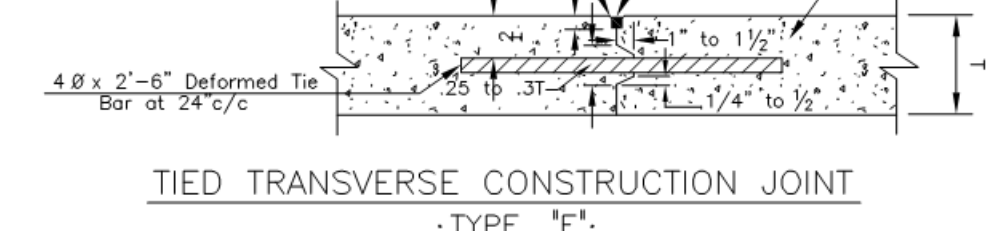
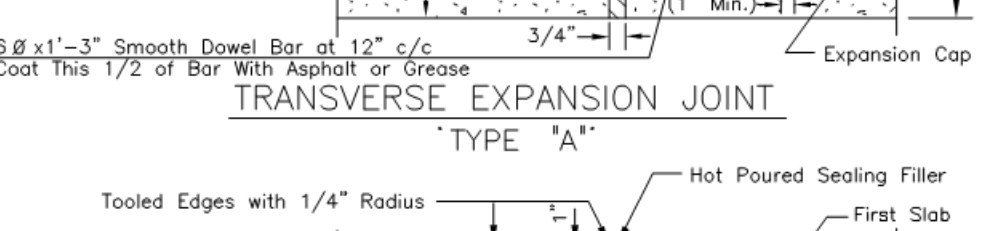
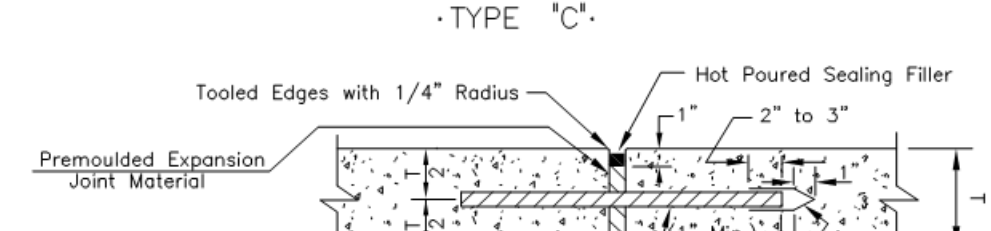
LONGITUDINAL CONSTRUCTION JOINT TYPE 'E'. (ALTERNATE 'B')



TIED LONGITUDINAL DUMMY GROOVE TYPE 'B'.



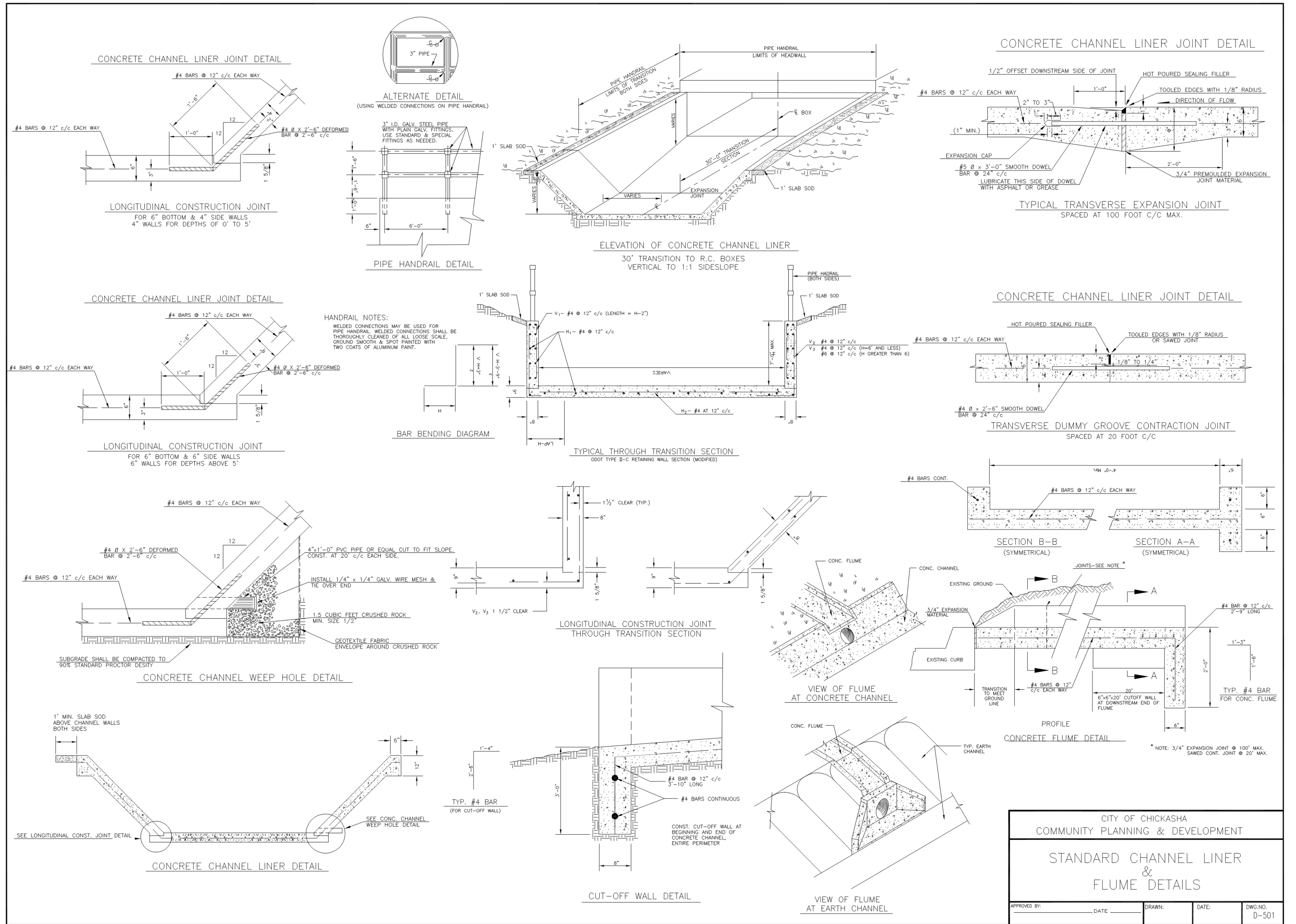
LONGITUDINAL JOINT DETAILS

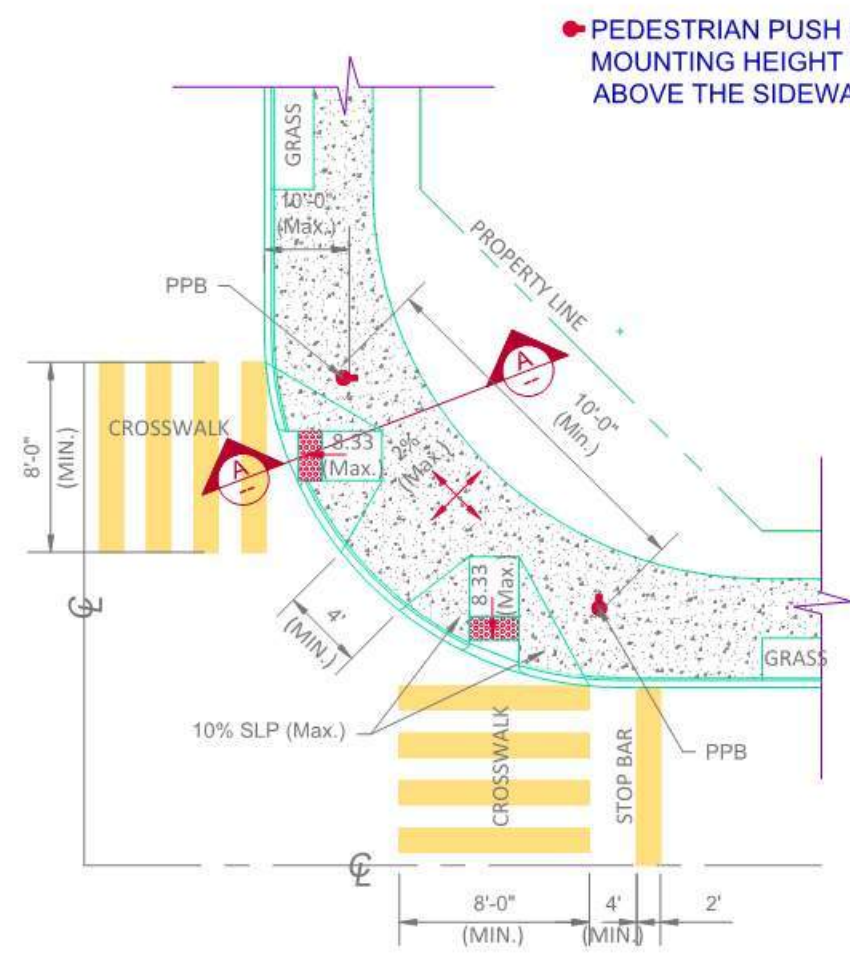


CITY OF CHICKASHA COMMUNITY PLANNING & DEVELOPMENT

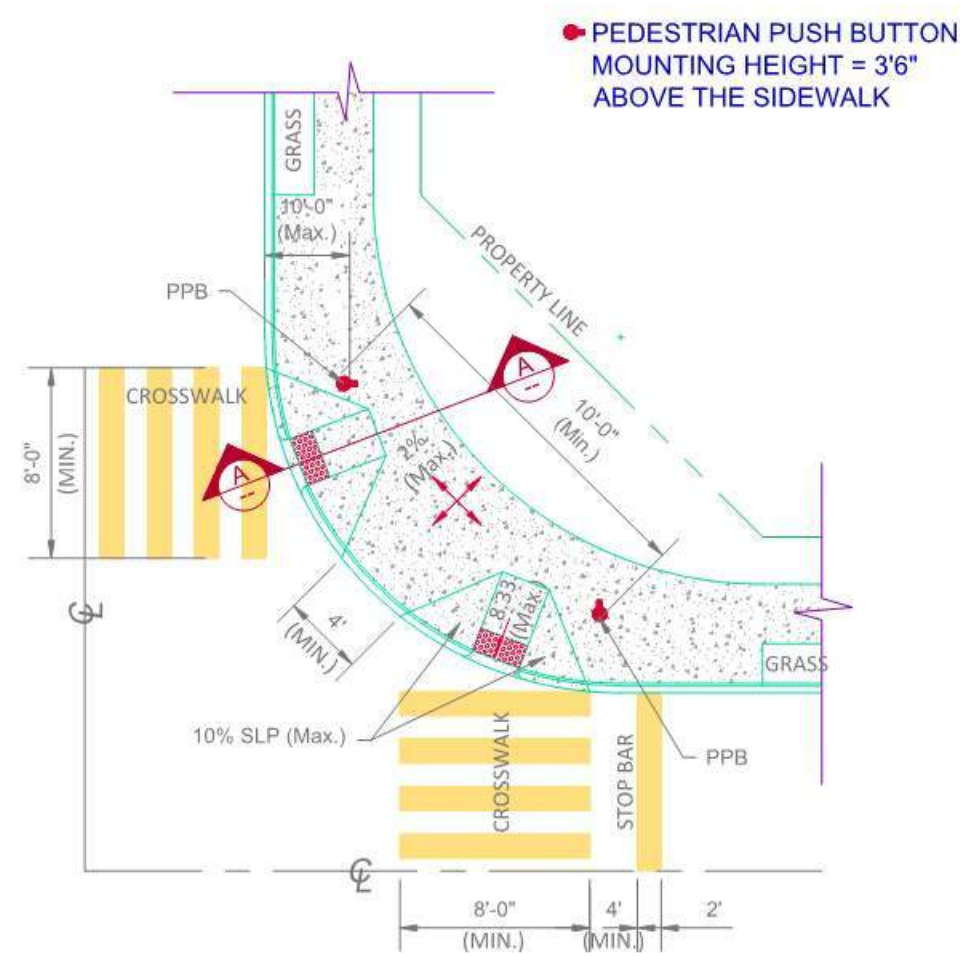
STANDARD TYPICAL SECTIONS MISCELLANEOUS DETAILS

APPROVED BY:	DATE:	DRAWN:	DATE:	DWG. NO. S-300
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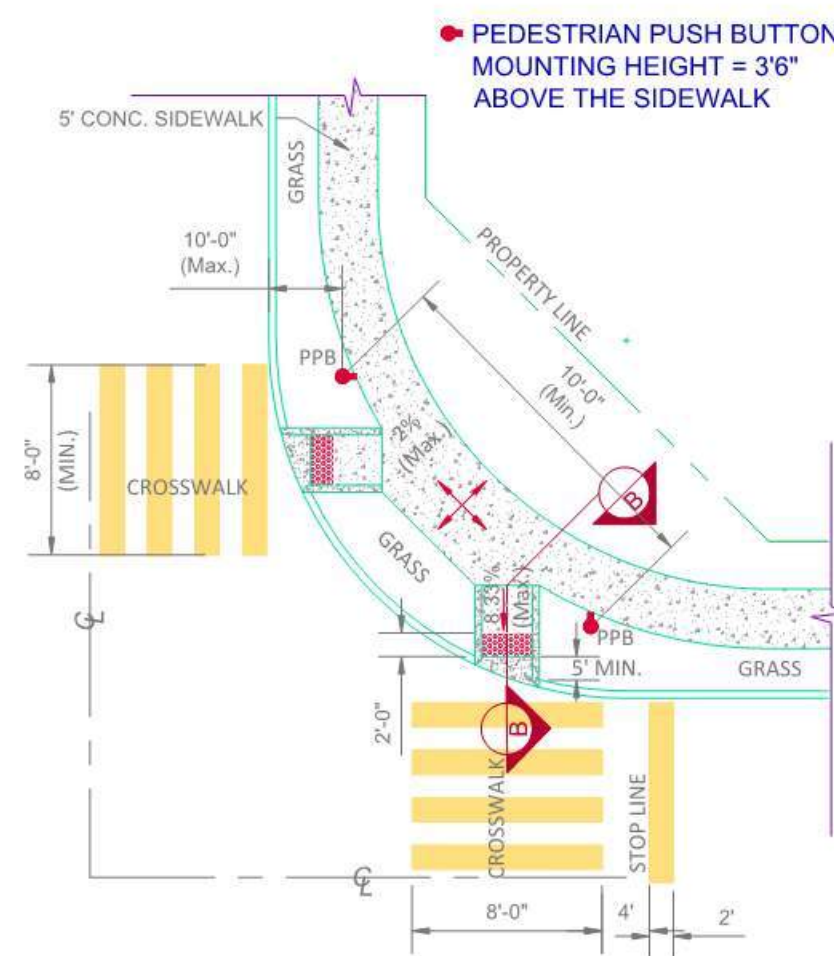


**CURB RAMP
TYPE "A"**



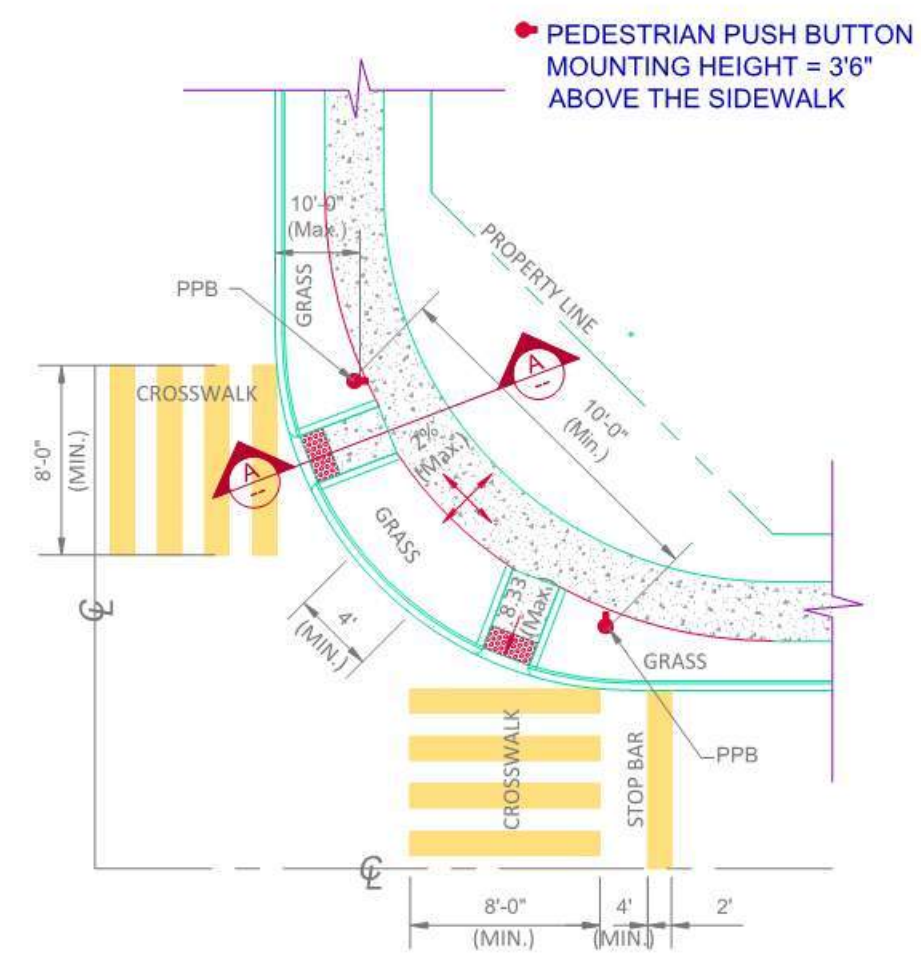
**ALTERNATE CURB RAMP
TYPE "A-1"**

Written approval by the City Engineer is required.



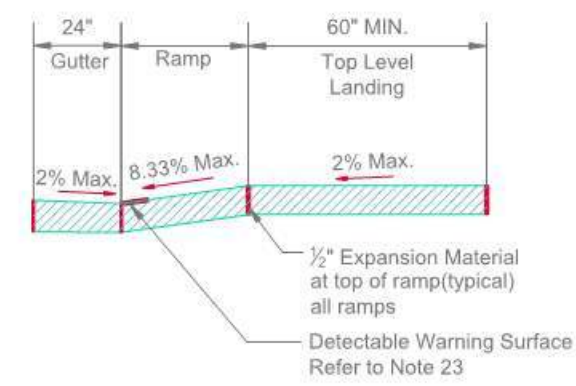
**CURB RAMP
TYPE "B"**

See Detail 1 & 2

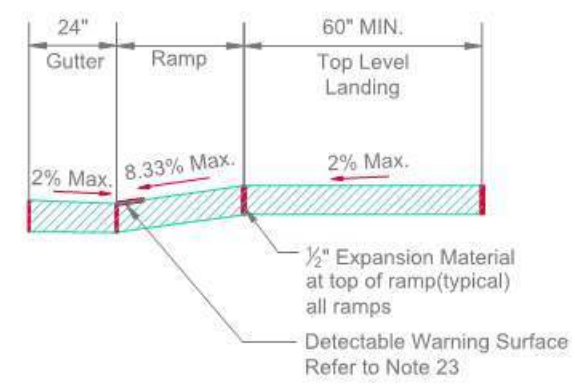


**ALTERNATE CURB RAMP
TYPE "B-1"**

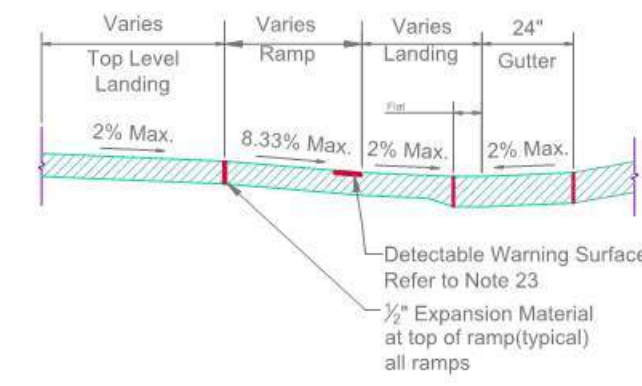
Written approval by the City Engineer is required.



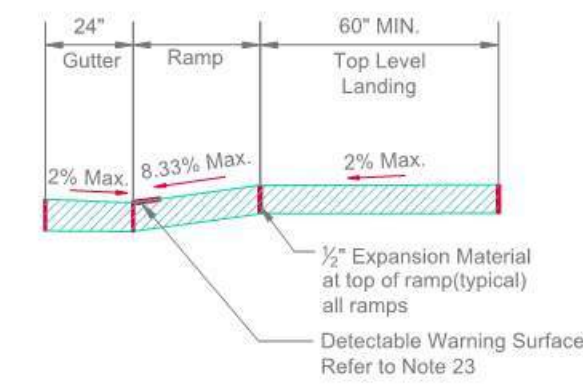
SECTION A-A



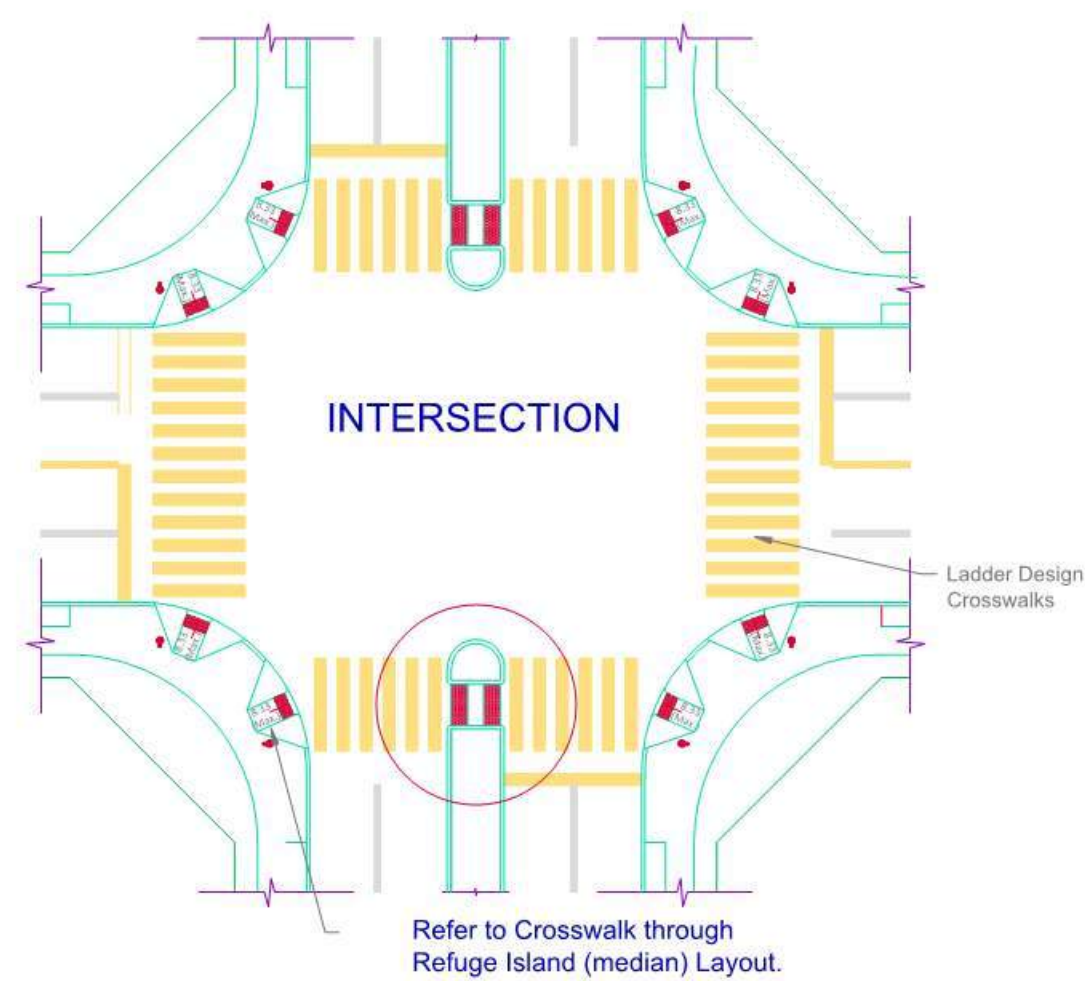
SECTION A-A



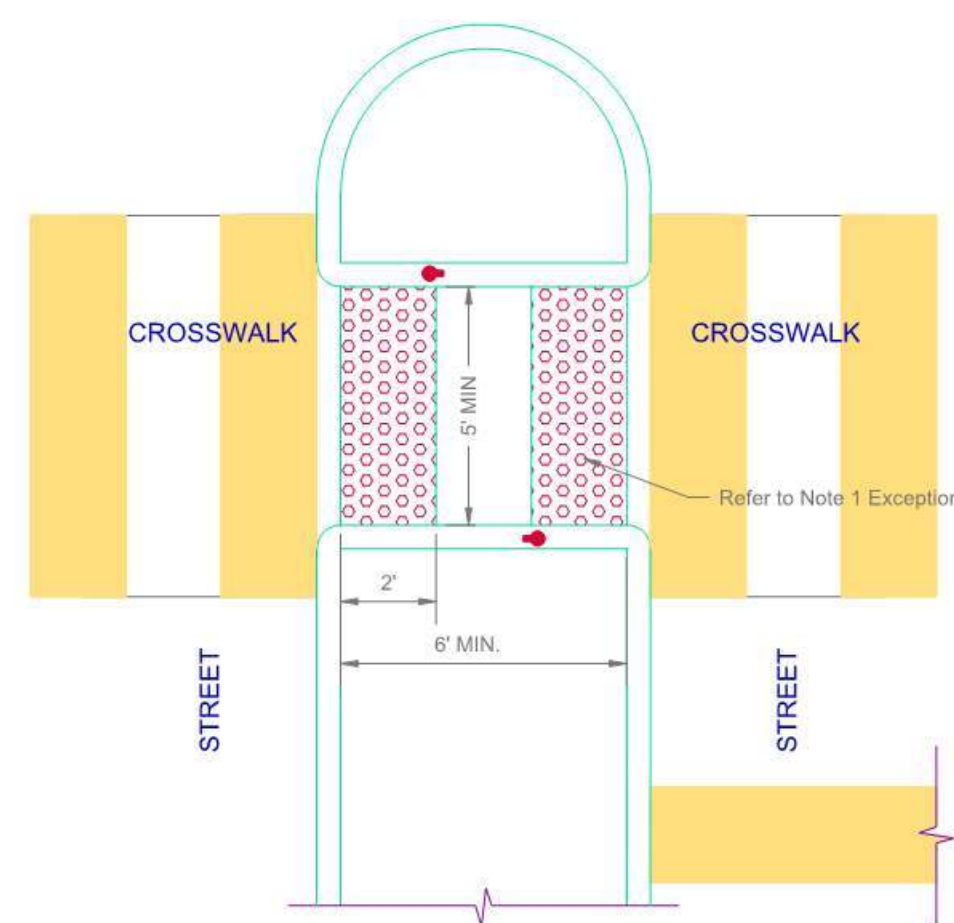
SECTION B-B



SECTION A-A



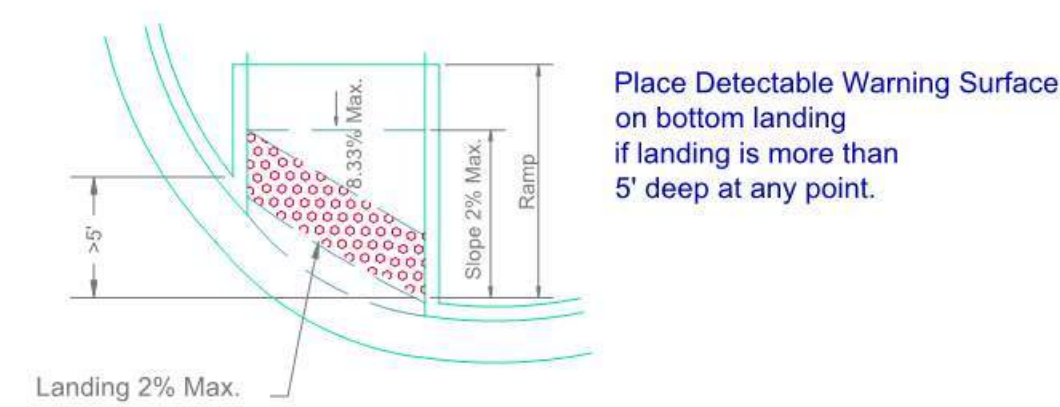
**INTERSECTION WITH
REFUGE ISLANDS LAYOUT**



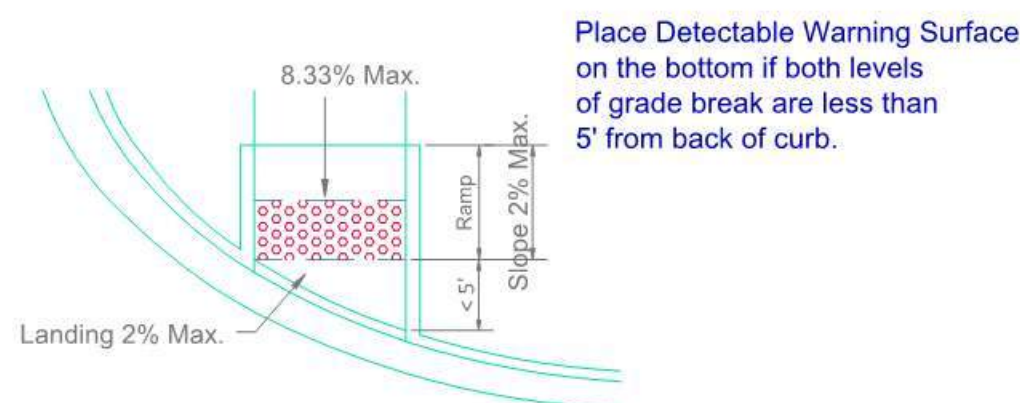
**STANDARD CROSSWALK THROUGH
REFUGE ISLAND (MEDIAN) LAYOUT
TYPE "C"**

NOTE 1: Exception

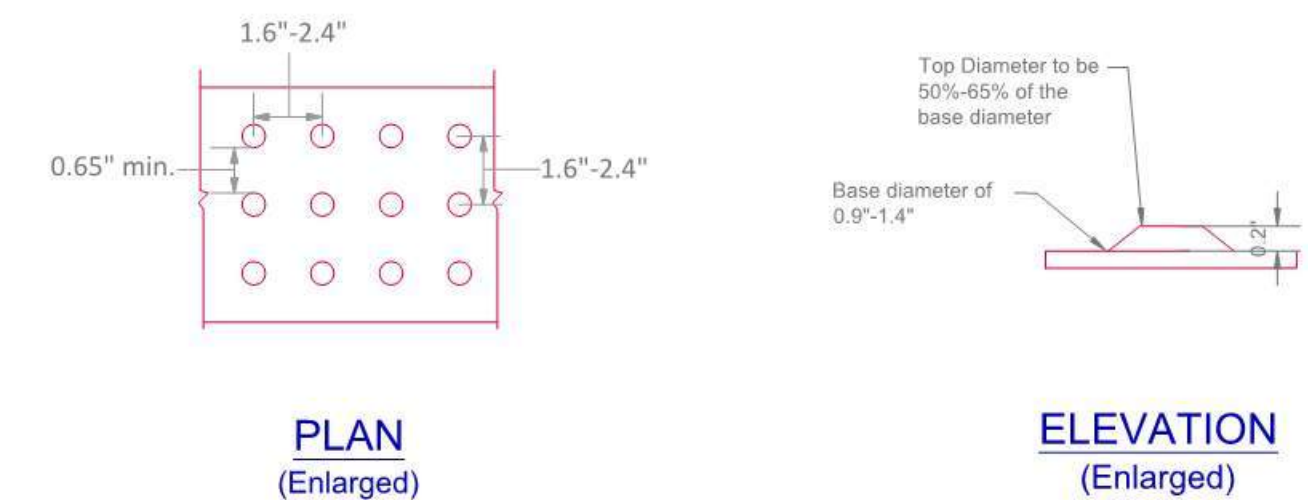
Detectable Warning Surface shall not be required on cut through islands where the crossing is controlled by timed signals and is timed for full crossing.



DETAIL 1



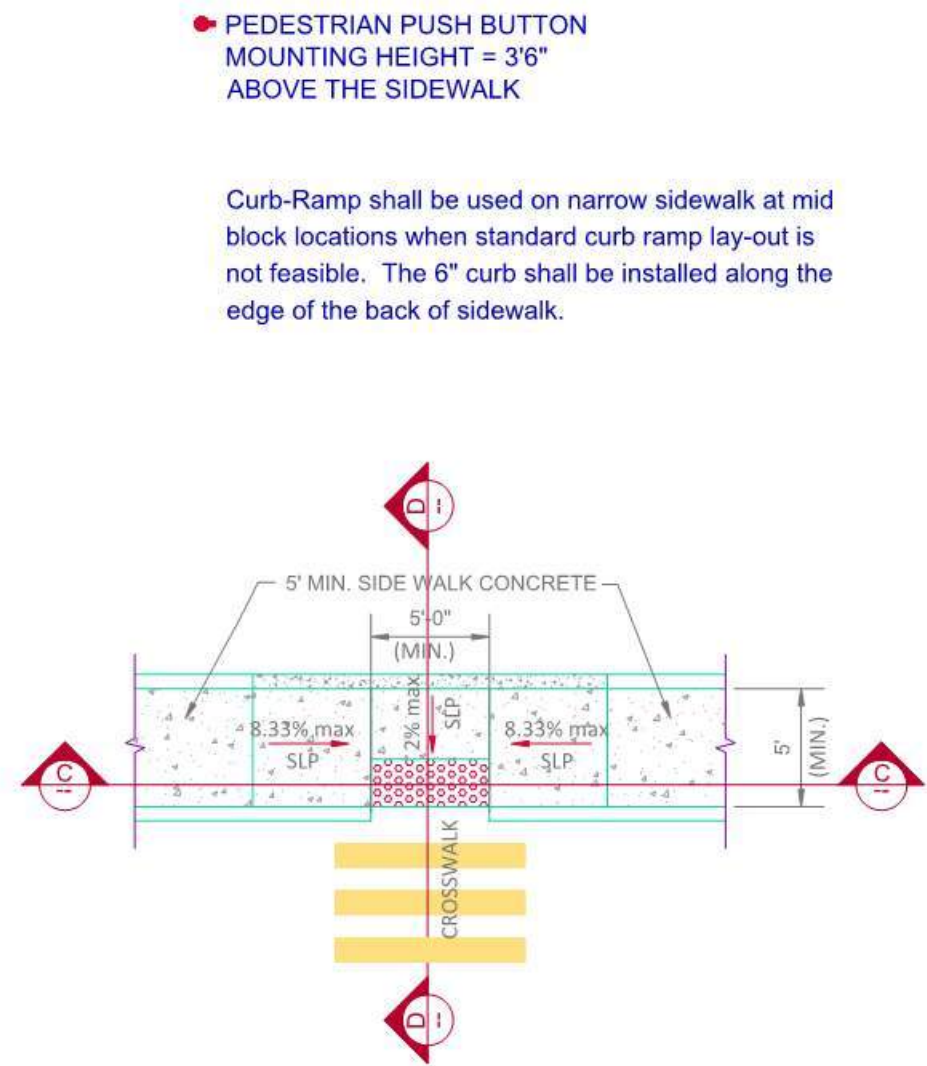
DETAIL 2



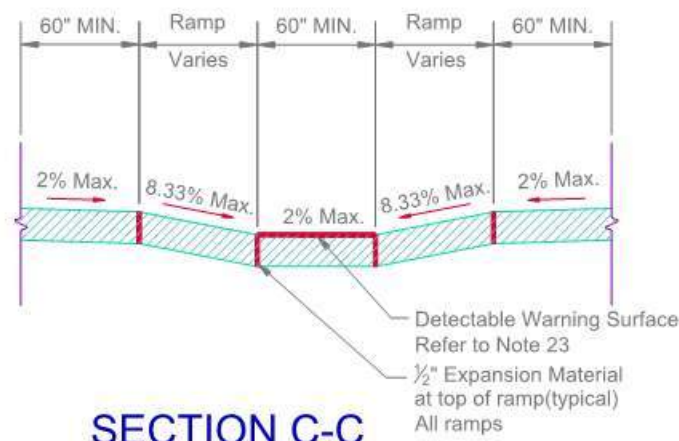
**DETECTABLE WARNING SURFACE
PATTERN LAYOUT**

Detectable Warning Surface Specifications :

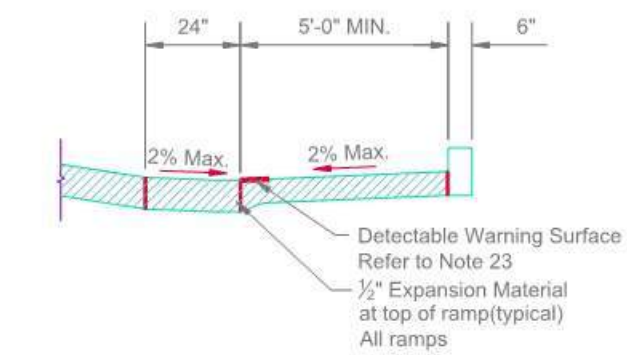
- Must provide a Visual Contrast.
- Raised Tactile surfaces used for way finding.
- Detectable Warning Surface shall extend from 0'-2" edge to edge of walkway entering the crosswalk, at street level.
- Detectable Warning Surface shall be installed in a manner such that the domes are parallel to the direction of pedestrian travel.
- Install the Detectable Warning Surface beginning at 0'-2" from back of curb.



PARALLEL CURB RAMP
TYPE "D"

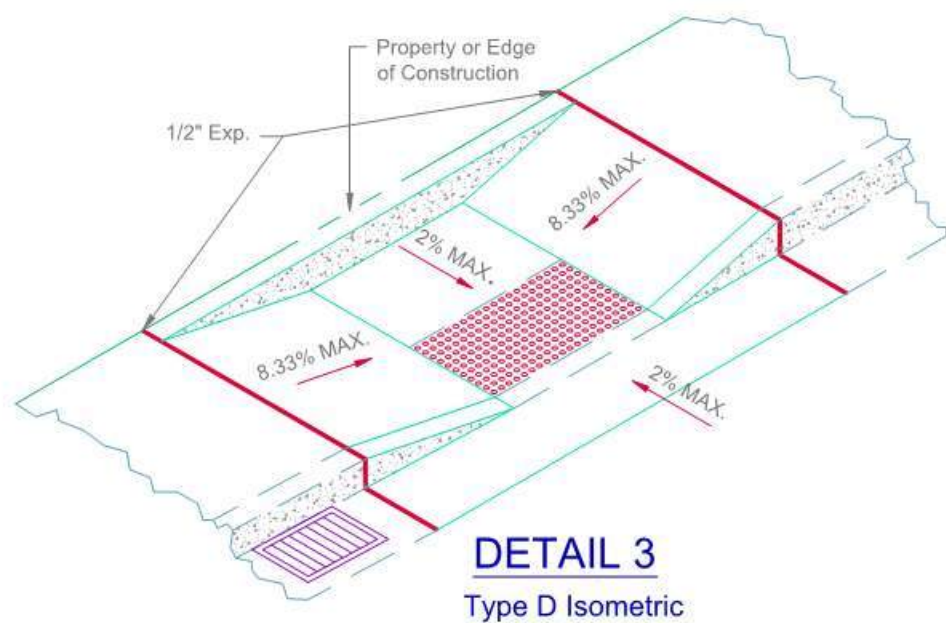


SECTION C-C

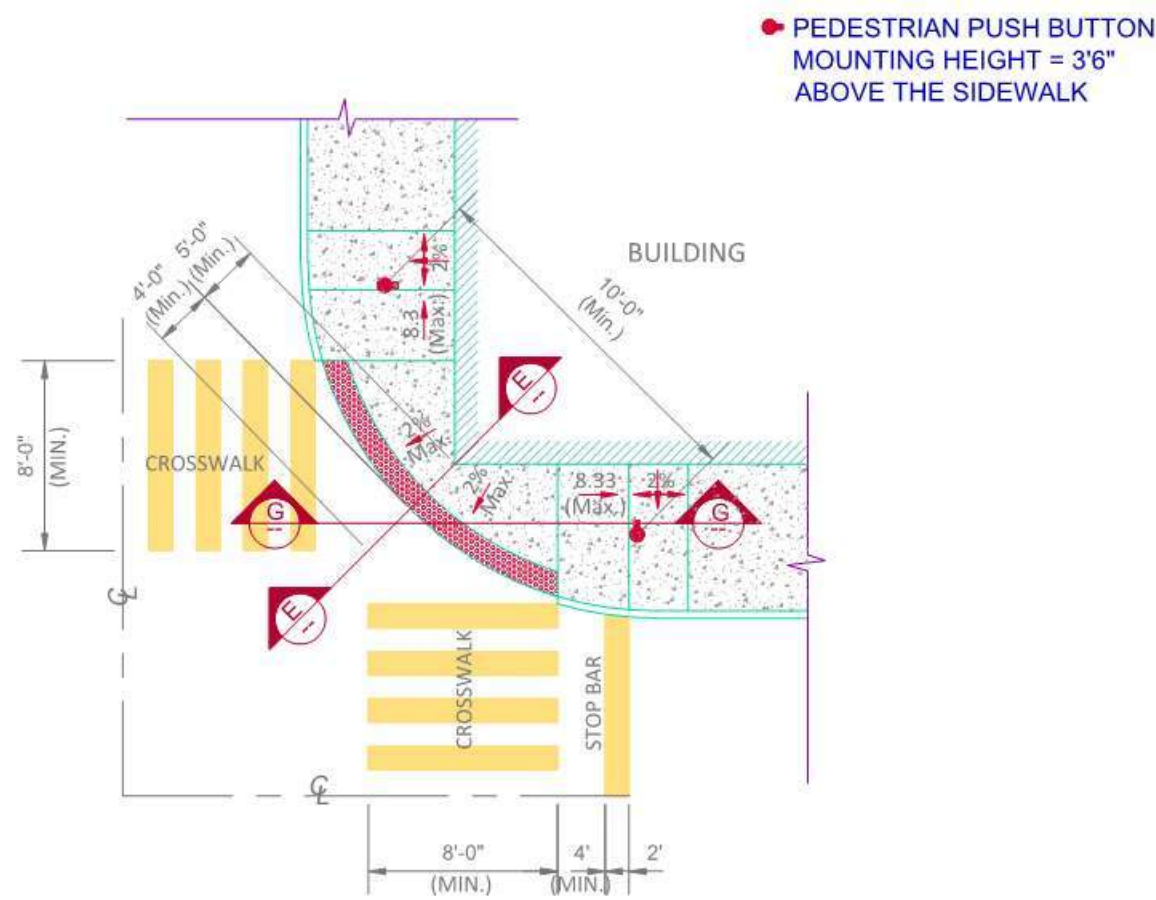


SECTION D-D

See Detail 3 for Isometric View



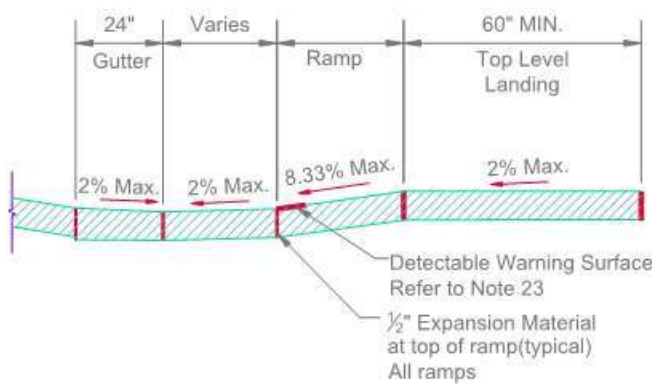
DETAIL 3
Type D Isometric



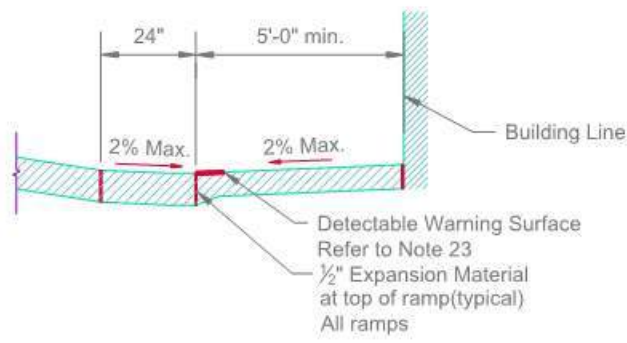
RADIUS CURB RAMP
TYPE "E"

See Detail 3 for Isometric View

Written approval by the City
Engineer is required.

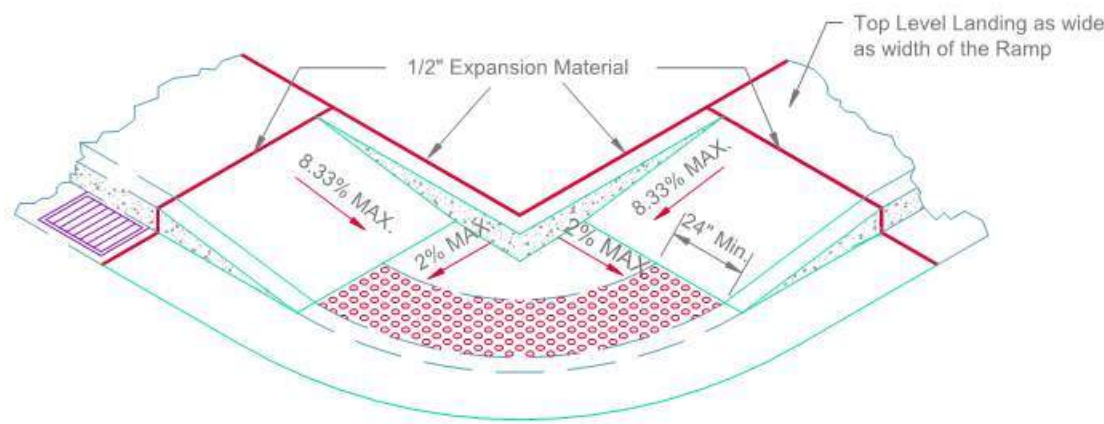


SECTION G-G
TYPE "E"

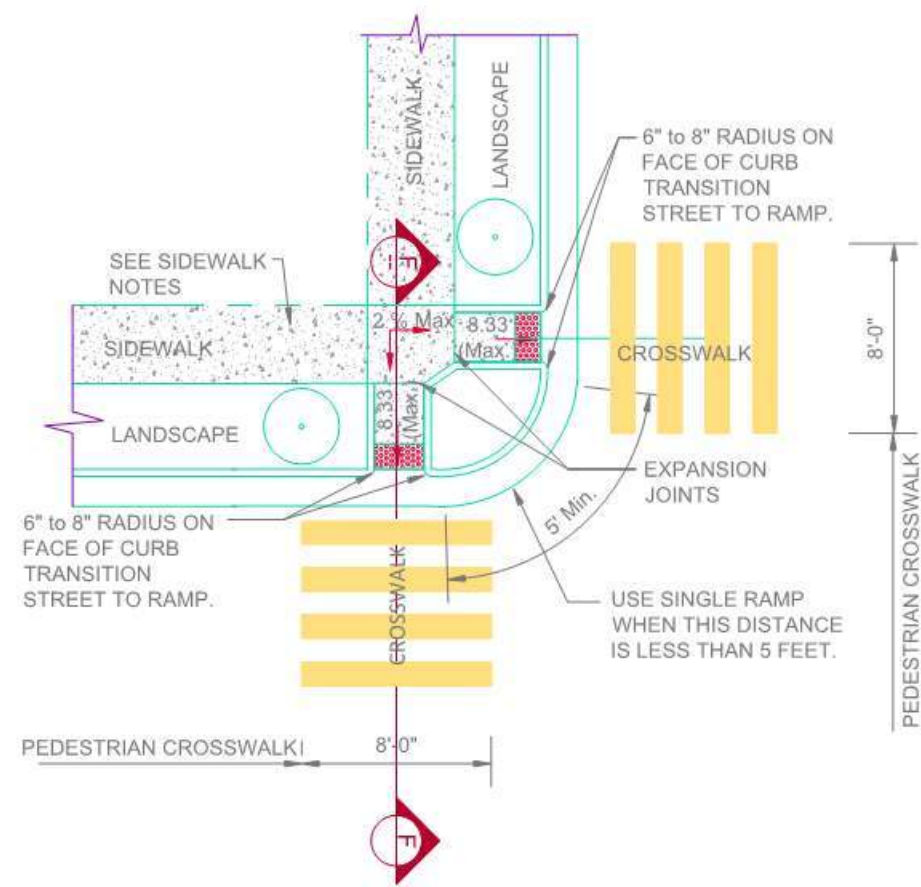


SECTION E-E
TYPE "E"

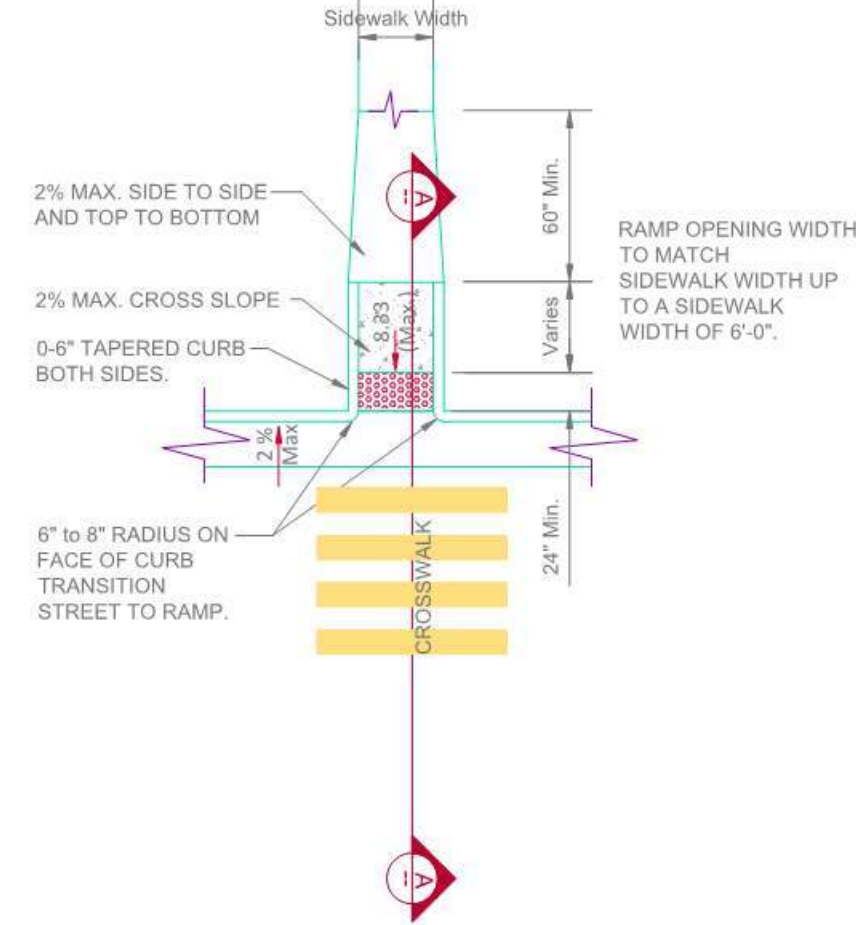
See Detail 4 for Isometric View



DETAIL 4
Type E Isometric



RESIDENTIAL
CURB RAMP
TYPE "F"



METHOD OF TRANSITIONING A RAMP
WITH DIE OUT CURBS

Sidewalk Notes:

- All work must meet current Americans with Disabilities Act (ADA) requirements.
- Minimum sidewalk width shall be as follows: residential, 5'-0" at curb, 4'-0" at property line; commercial, 6'-0" at curb, 5'-0" at property line.
- Sidewalk cross slope shall be a maximum of 2% and a minimum of 1/2% cross slope.
- Whenever the width of the sidewalk is less than 5'-0", a 5' x 5' passing area with a maximum 2% slope and minimum 1/2% slope in any direction at intervals of 200' shall be installed.
- Whenever changing direction in a sidewalk, install a 5' x 5' passing area with maximum 2% slope and minimum 1/2% slope in any direction.
- Objects such as tree branches, signs, water fountains, etc. shall not protrude into the sidewalk more than 4" at the heights between 27" and 80"
- Sidewalk shall be constructed of 4" thick concrete on top of 2" of 1 1/2" crusher run, 3/8" rock screenings, 1 1/2" clean recycled concrete or approved equal.
- All obstructions into the walk, such as power poles, hydrants, sign posts, etc. must have at least 48" of clear travel space around the obstruction.
- Sidewalk running grade shall not exceed 5% unless the sidewalk is contained in the R-O-W and then cannot exceed the general grade established for the adjacent street.

General Notes:

- The non-alternate curb-ramp layout shall be used whenever possible. Any deviation from the standard curb-ramp plans shall be approved by the City Engineer or his designee on a case by case basis.
- The standard curb-ramp drawings supersede all previous drawings and shall be a part of the new curb ramp standard drawings.
- All alternate ramps shall be approved by the City Engineer or his designee prior to construction.
- Seal all joints on sidewalks, landings and ramps. Width of expansion joint shall be 1/2"

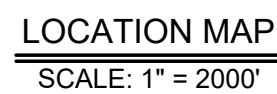
Curb Ramp Notes:

- A curb ramp is defined as the entire concrete surface which includes the ramp and flared sides. The minimum 4' wide center portion, including the Detectable Warning Surface, shall have a sloped plane of 8.33% (1:12) maximum, and cross slope, not to exceed 2%. The "flared side" of the ramp shall lie on a slope of 10% (1:10) maximum measured along the curb. The curb ramp shall have a surface tolerance of 1/4" per 10 foot straight edge maximum.
- The ramp center line and path of travel should be parallel to the sidewalk whenever possible. The full width of the ramp shall lie within the crosswalk area. It is desirable that the location of the ramp be as close as possible to the center of the crosswalk.
- Curb Ramps shall not exceed 15' in length.
- Existing utility boxes and covers shall be adjusted flush with the curb ramp surface and shall not straddle any change in plane or material. Existing utility box frames and covers shall have matching surface finish on the entire frame and cover. New utility boxes shall not be placed within the accessible pathway.
- The surface of the curb ramp and Detectable Warning Surface material shall be stable, firm and slip resistant. The concrete curb ramp surface shall be broom finished transverse to the axis of the ramp and shall be slightly rougher than the finish of the adjacent sidewalk surface.
- A level landing 5'-0" deep, with a 2% maximum slope in each direction shall be provided at the upper end of each curb ramp to allow safe egress from the ramp surfaces. The width of the level landing shall be at least as wide as the width of the ramp. A level landing of a minimum of 30" wide x48" deep shall be provided at pedestrian push buttons at signalized crossings.
- Existing vertical utility poles or street light poles may be incorporated into the flared sides, if necessary. The vertical obstruction shall be a minimum of 6" away from edge of the ramp. Pedestrian crosswalks push button poles, fire department call boxes and other poles with activated devices, may not be placed in the curb-ramp at any time. No new vertical obstructions may be located in the curb ramp or the accessible pathway.
- Ramp opening shall be the same width as the sidewalk up to 6'-0" wide.
- Curb Ramp shall be constructed with 8" thick concrete at collector and arterial streets; and with 6" thick concrete at residential streets. All on top of 2" of 1 1/2" crusher run, 3/8" rock screenings, 1 1/2" recycled concrete or approved equal. The 8" or 6" thick concrete will extend a maximum of 8'-8" (maximum) behind the face of curb. The remainder of the ramp will be constructed of 4" thick concrete and paid as sidewalk. All landings and incidental connections will be paid as sidewalk and will be constructed of 4" thick concrete.
- For new construction all Detectable Warning Surfaces are to be set in concrete. Surface applied domes require special written approval by the City Engineer or his designee

[illegible][illegible]

PH: 405.692.2222
FX: 405.793.6024

A PART OF THE N/2, SECTION 9, T6N, R7W, I.M.
CHICKASHA, GRADY COUNTY, OKLAHOMA



SHEET NO.	DESCRIPTION
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C-001	COVER
C-101	FINAL PLAT 1
C-102	FINAL PLAT 2
C-103	OVERALL. SANITARY SEWER PLAN
C-201	SANITARY SEWER A & D
C-202	SANITARY SEWER B
C-203	SANITARY SEWER C
C-204	EX. SANITARY SEWER B & C
C-205	EX. SANITARY SEWER D
C-501	EROSION CONTROL NOTES & DET
C-502	EROSION CONTROL PLAN

S-1	SANITARY SEWER PIPE INSTALLATION DETAILS
S-2	SANITARY SEWER MISCELLANEOUS DETAILS
S-3	SANITARY SEWER DETAILS FOR CAST-IN-PLACE & PRECAST CONCRETE MANHOLES
S-4	SANITARY SEWER STANDARD DETAILS FOR FRAME (RING) & COVER (LID)

This number is to be used for information on the location of all underground utilities. Contact this number and other numbers specified in the plans prior to any excavation.

Crafton Tull architecture | engineering | surveying 405.787.6270 | 405.787.6274 | www.craftontull.com CERTIFICATE OF APPROVAL CA 973 (PULS) EXPIRES 6/30/2022	SUBMITTAL DATES TO OKC CHECK PRINT #1 _____ Date: _____ CHECK PRINT #2 _____ Date: _____ FINAL PLANS _____ Date: _____
PREPARED BY: JASON A. SPENCER (405) 787-6270	CONSTRUCTION MUST BEGIN WITHIN ONE (1) YEAR FROM THE DATE OF APPROVAL, OR THAT APPROVAL IS WITHDRAWN. DEPARTMENT OF PUBLIC WORKS ENGINEERING DIVISION
REGISTERED PROFESSIONAL ENGINEER RENEWAL DATE: <u>02/28/2023</u>	Field Checked by: _____ Date: _____
	Checked by: _____ Date: _____ Checked by: _____ Date: _____ Checked by: _____ Date: _____ APPROVED: City Engineer _____ Date: _____
SANITARY SEWER PLANS TO SERVE SLEEPY HOLLOW 3RD ADDITION PHASE 3	(---)

OWNER'S CERTIFICATE AND DEDICATION

KNOW ALL MEN BY THESE PRESENTS: That JYM INVESTMENTS, LLC, does hereby certify that they are the owners of and the only persons, firms or corporation having any rights, title, or interest in and to the land shown on the annexed plat and that they have caused the same to be surveyed and platted, and that they hereby dedicate all the streets and easements shown hereon to the public, for the purposes of streets, utilities, and drainage, for their heirs, executors, administrators, successors, and assign forever, and have caused the same to be released from all encumbrances so that the title is clear, except as shown in the abstractor's certificate.

IN WITNESS WHEREOF, the undersigned have caused this instrument to be executed this ____ day of _____, _____. Covenants, reservations, and restrictions for this addition are contained in a separate instrument.

JYM INVESTMENTS, LLC

Jalal Farzaneh, Manager

STATE OF OKLAHOMA)
COUNTY OF CLEVELAND)

Before me, the undersigned Notary Public, in and for said County and State on this ____ day of _____, _____, personally appeared Jalal Farzaneh, to me known to be the identical person who executed the within and foregoing instrument, as a free and voluntary act and deed, for the uses and purposes herein set forth.

MY COMMISSION EXPIRES:
May 02, 2023

NOTARY PUBLIC, #11004011

LEGAL DESCRIPTION

A tract of land situate within a portion of the North Half (N/2) of Section Nine (9), Township Six North (T6N), Range Seven West (R7W) of the Indian Meridian (I.M.) in Chickasha, Grady County, Oklahoma, being more particularly described as follows:

BEGINNING at the Southeast corner of Lot 7, Block 16 of SLEEPY HOLLOW 3RD ADDITION, PHASE 1, according to the recorded plat thereof; thence

S00°21'17"E along the exterior boundary line of BLOCK 2, SLEEPY HOLLOW ADDITION, according to the recorded plat thereof, a distance of 600.00 feet to a point on the exterior boundary line of SECOND ADDITION, SLEEPY HOLLOW ADDITION, according to the recorded plat thereof; thence along said exterior boundary line the following Nine (9) courses:

- S89°38'41"W a distance of 485.01 feet; thence
- S00°21'17"E a distance of 120.00 feet; thence
- S89°38'43"W a distance of 65.00 feet; thence
- S00°21'17"E a distance of 180.00 feet; thence
- S89°38'43"W a distance of 90.00 feet; thence
- S00°21'17"E a distance of 125.00 feet; thence
- S89°38'43"W a distance of 75.00 feet; thence
- N45°21'17"W a distance of 35.36 feet; thence
- S89°38'43"W a distance of 50.00 feet to a point on the exterior boundary line of SLEEPY HOLLOW 3RD ADDITION, PHASE 2 according to the recorded plat thereof; thence along said exterior boundary line the following Two (2) courses:

LAND SURVEYOR'S CERTIFICATE

I, DENVER WINCHESTER, do hereby certify that I am a PROFESSIONAL LAND SURVEYOR, and that the annexed plat represents a survey made under my direction, and that the monuments noted hereon actually exist and their positions are correctly shown.

DENVER WINCHESTER, PLS 1952

STATE OF OKLAHOMA)
COUNTY OF OKLAHOMA)

Before me, the undersigned Notary Public, in and for said County and State on this ____ day of _____, _____, personally appeared DENVER WINCHESTER, to me known to be the identical person who executed the within and foregoing instrument, as a free and voluntary act and deed, for the uses and purposes herein set forth.

MY COMMISSION EXPIRES:
March 28, 2023

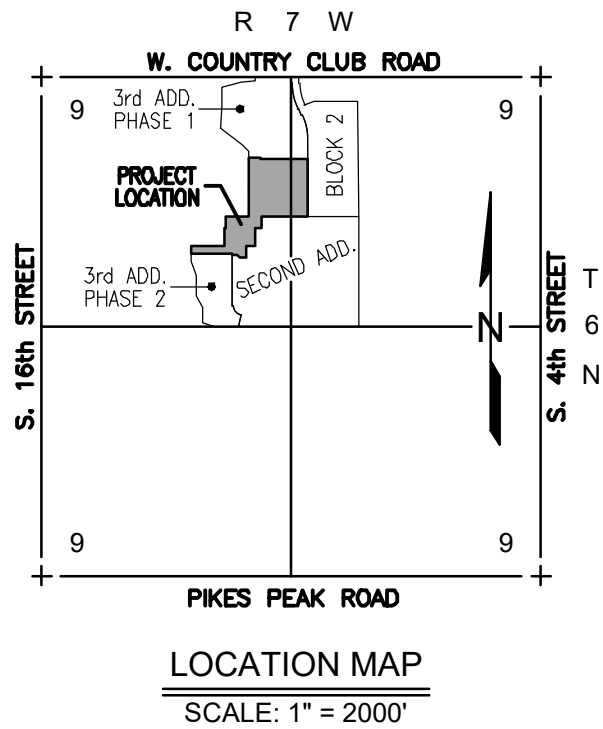
NOTARY PUBLIC, #03005138

CITY PLANNING COMMISSION APPROVAL

I, _____, Planning Director of the City of Chickasha, do certify that the Chickasha Planning Commission duly approved this plat on the ____ day of _____.

PLANNING DIRECTOR

FINAL PLAT
OF
SLEEPY HOLLOW 3RD ADDITION
PHASE 3
A PART OF THE N/2, SECTION 9, T6N, R7W, I.M.
CHICKASHA, GRADY COUNTY, OKLAHOMA



- N00°21'17"W a distance of 20.00 feet; thence
- S89°38'43"W a distance of 425.00 feet; thence

N00°21'17"W a distance of 80.00 feet; thence
N89°38'43"E a distance of 350.00 feet; thence
N00°21'17"W a distance of 180.00 feet; thence
N89°38'43"E a distance of 15.00 feet; thence
N00°21'17"W a distance of 120.00 feet; thence
N89°38'43"E a distance of 240.01 feet; thence
N00°21'17"W a distance of 125.01 feet; thence
S89°38'43"W a distance of 5.00 feet; thence
N00°21'17"W a distance of 490.00 feet to a point on the exterior boundary line of SLEEPY HOLLOW 3RD ADDITION, PHASE 1, according to the recorded plat thereof; thence along said exterior boundary line the following Three (3) courses:

- N89°38'43"E a distance of 125.00 feet; thence
- S00°21'22"E a distance of 15.00 feet; thence
- N89°38'43"E a distance of 490.00 feet to the POINT OF BEGINNING.

Said tract contains 521,940 Sq Ft or 11.98 Acres, more or less.

BONDED ABSTRACTOR'S CERTIFICATE

The undersigned, a duly qualified and lawful bonded abstractor of titles, in and for the County of GRADY, State of OKLAHOMA, hereby certifies that the records of said county show that the title to the land on the annexed plat is vested in JYM INVESTMENTS, LLC, that on the ____ day of _____, _____ there are no actions pending or judgements of any nature in any court or on file with the clerk of any court in said county and state against said land, or the owners thereof, and that the taxes are paid for the year _____, and prior years, that there are no outstanding tax sales certificates against said land, and no tax deeds are issued to any one person, that there are no liens, mortgages or other encumbrances of any kind against the land included in the annexed plat, except mortgages, mineral rights, water rights, and easements of record previously reserved, excepted or granted.

IN WITNESS WHEREOF, said bonded abstractor has caused this instrument to be executed this ____ day of _____, _____.

WASHITA VALLEY ABSTRACT COMPANY

VICE-PRESIDENT

COUNTY TREASURER'S CERTIFICATE

I, _____, do hereby certify that I am the duly elected, qualified and acting County Treasurer of GRADY COUNTY, STATE of OKLAHOMA, that the tax records of said County show all taxes are paid for the year _____, and prior years on the land shown on the annexed plat, that the required statutory security has been deposited in the office of the county treasurer, guaranteeing payment of the current years taxes.

IN WITNESS WHEREOF, said County Treasurer has caused this instrument to be executed at the CITY of CHICKASHA, OKLAHOMA, this ____ day of _____, _____.

COUNTY TREASURER

ACCEPTANCE OF DEDICATION OF CITY COUNCIL

Be it resolved by the Council of the CITY of CHICKASHA, OKLAHOMA, that the dedications shown on the annexed plat are hereby accepted, adopted by the Council of the CITY of CHICKASHA, OKLAHOMA, this ____ day of _____, _____.

ATTEST:

CITY CLERK

MAYOR

CERTIFICATE OF CITY CLERK

I, _____, City Clerk of the CITY of CHICKASHA, STATE of OKLAHOMA, hereby certify that I have examined the records of said City and find that all deferred payments or unamatured instalments upon special assessment have been paid in full and that there is no special assessment procedure now pending against the land shown on the annexed plat on this ____ day of _____, _____.

CITY CLERK

ADDRESSES

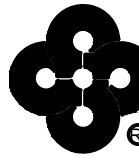
Any addresses shown on this plat were accurate at the time this plat was filed. Addresses are subject to change and should never be relied upon in place of legal description.

NOTES

- This plat of survey meets the Oklahoma Minimum Standards for the Practice of Land Surveying as adopted by the Oklahoma State Board of Licensure for Professional Engineers and Land Surveyors and that said Final Plat complies with the requirements of Title 11, Section 41-108 of the Oklahoma State Statutes.
- Monuments shall be as follows:
Magnetic Nail with Washer stamped "CTA CA973" for all Paved Surfaces or
3/8" Iron Rod with a Plastic Cap stamped "CTA CA973"
- The term "Certify" or "Certification" and "Correct" as noted hereon and as it pertains to land surveying services as shown on this document shall mean, "a statement signed by the Professional Land Surveyor based on the facts and knowledge known to the Professional Land Surveyor at the time of the survey and is not a guarantee or warranty, either implied or expressed.
- A title search was not conducted by a Certified Title Company. All documents were provided by the client/clients and/or researched by the Surveyor, and may be subject to record/unrecorded: easements, rights-of-way, covenants, building setback lines, subdivision restrictions, zoning, land regulations with an accurate title search may reveal.

FINAL PLAT
SLEEPY HOLLOW 3RD ADDITION PHASE 3

300 Points Parkway Blvd.
Yukon, Oklahoma 73099



Crafton Tull
architecture | engineering | surveying
405.787.6270 | 405.787.6276 |
www.craftontull.com

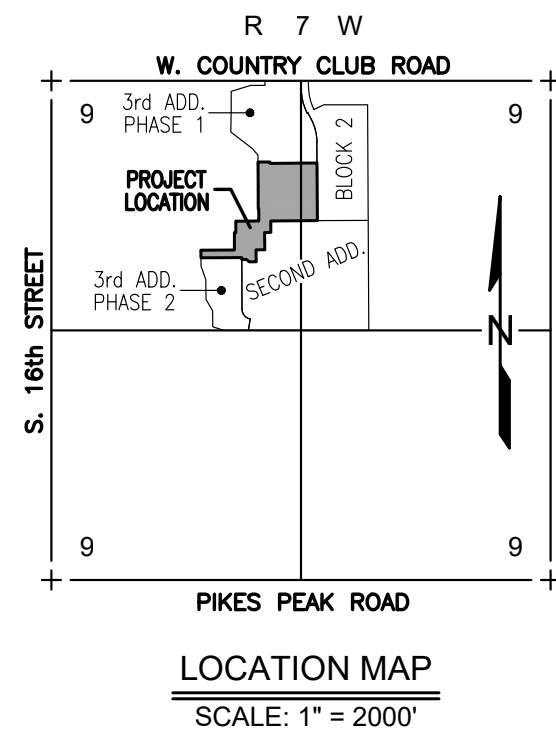
CERTIFICATE OF AUTHORIZATION:
CA 973 (PEES) EXPIRES 6/30/2025

SHEET NO.: 1 OF 2

DATE: 09/01/21

PROJECT NO.: 21609100

A PART OF THE N/2, SECTION 9, T6N, R7W, I.M.
CHICKASHA, GRADY COUNTY, OKLAHOMA



LEGEND

P.O.B.	POINT OF BEGINNING
EX.	EXISTING
R/W	RIGHT-OF-WAY
BL	BUILDING LIMIT LINE
U/E	UTILITY EASEMENT
D/E	DRAINAGE EASEMENT
P/D/E	PRIVATE DRAINAGE EASEMENT

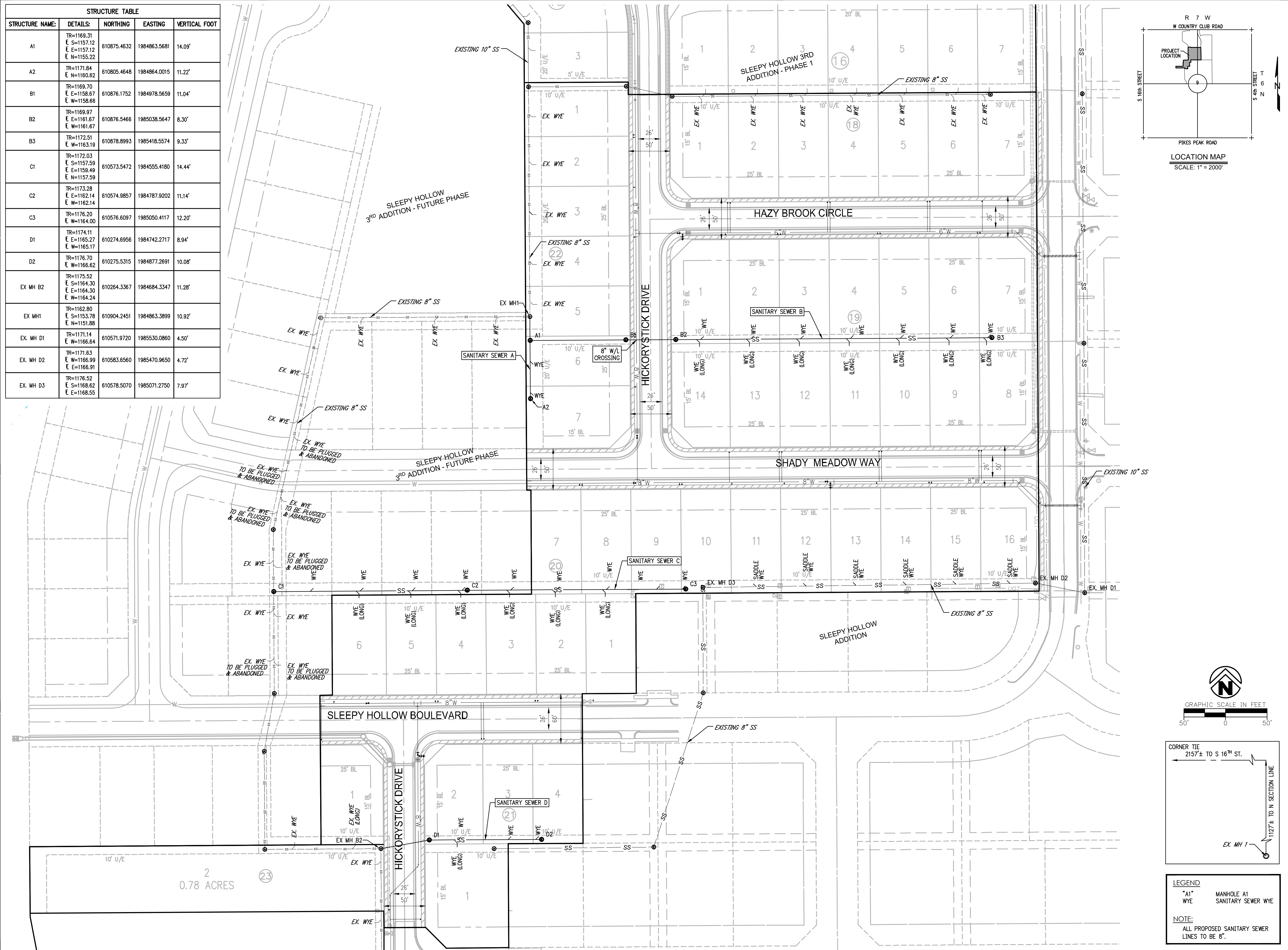
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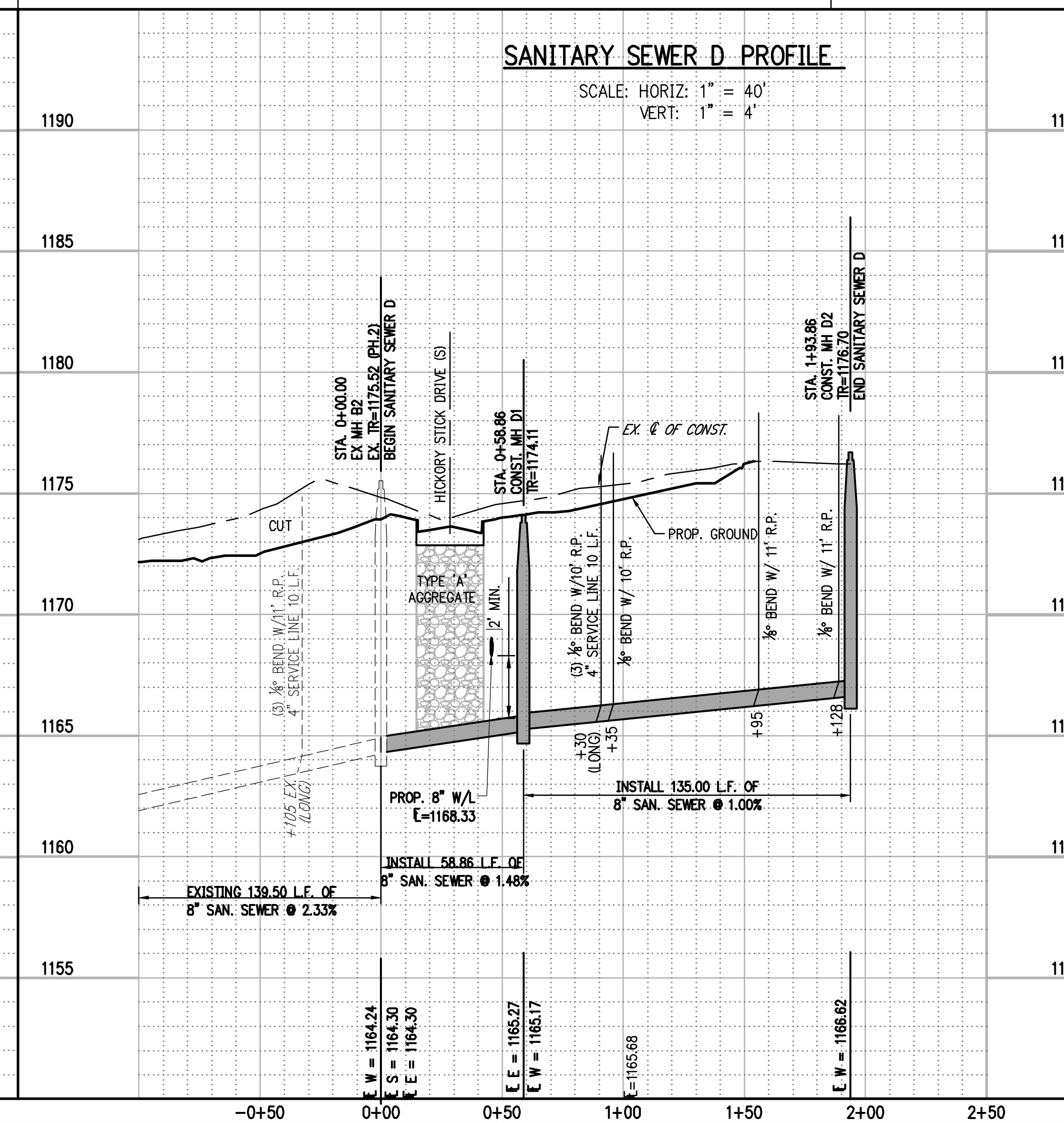
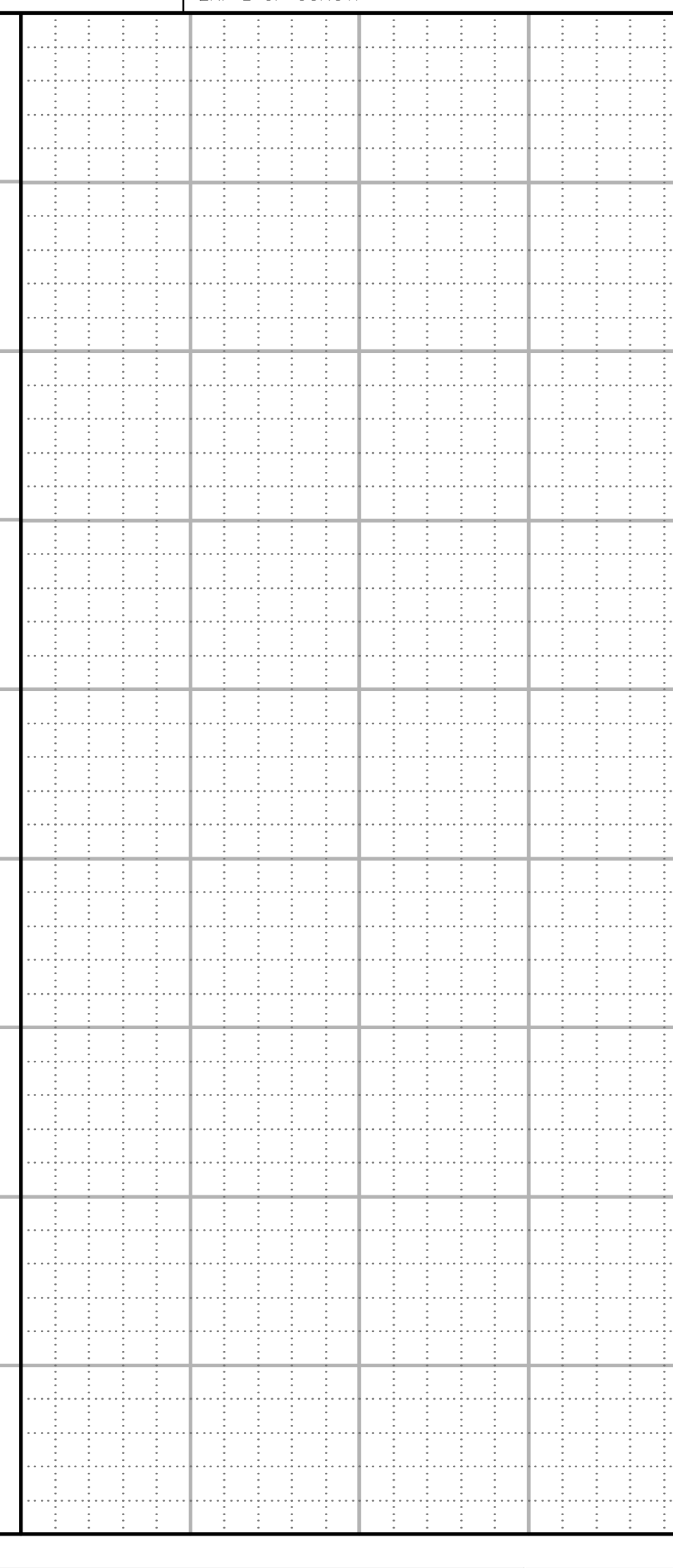
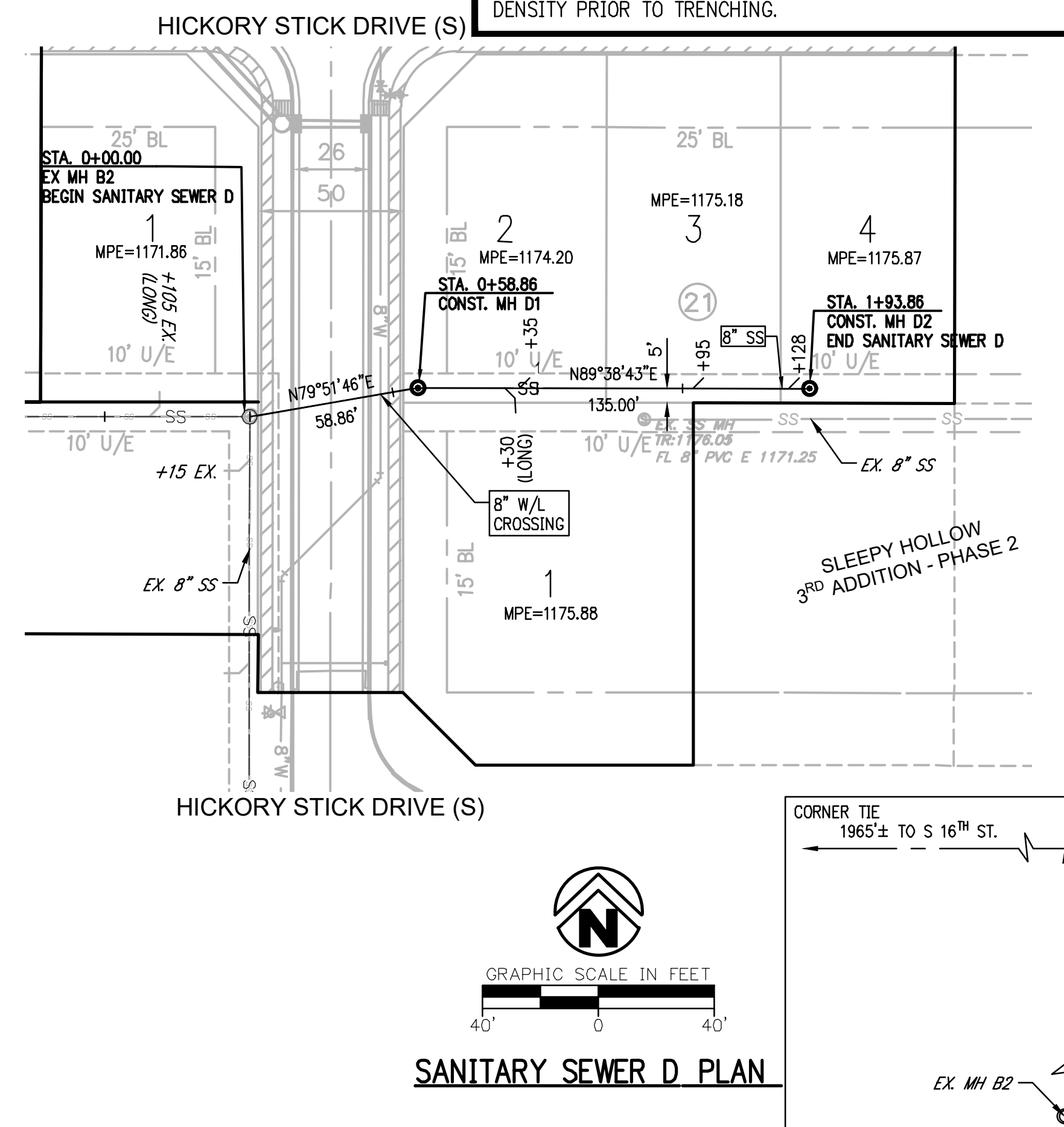
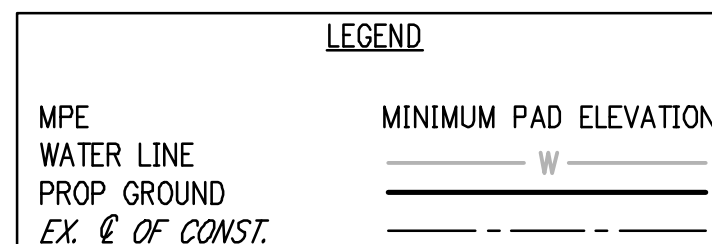


SHEET NO.: 2 OF 2
DATE: 09/01/21
PROJECT NO.: 21609100

STRUCTURE TABLE				
STRUCTURE NAME:	DETAILS:	NORTHING	EASTING	VERTICAL FOOT
A1	TR=1169.31 Σ=1157.12 E=1157.12 N=1155.22	106875.4632	1984863.5681	14.09'
A2	TR=1171.84 N=1160.62	106805.4648	1984864.0015	11.22'
B1	TR=1169.70 E=1158.67 W=1158.66	106876.1752	1984978.5659	11.04'
B2	TR=1169.97 E=1161.67 W=1161.67	106876.5466	1985038.5647	8.30'
B3	TR=1172.51 E=1163.19	106878.8993	1985418.5574	9.33'
C1	TR=1172.03 Σ=1157.59 E=1159.49 N=1157.59	106573.5472	1984555.4180	14.44'
C2	TR=1173.28 E=1162.14 W=1162.14	106574.9857	1984787.9202	11.14'
C3	TR=1176.20 E=1164.00	106576.6097	1985050.4117	12.20'
D1	TR=1174.11 E=1165.27 W=1165.17	106274.6956	1984742.2717	8.94'
D2	TR=1176.70 E=1166.62	106275.5315	1984877.2691	10.08'
EX MH B2	TR=1175.52 Σ=1164.30 E=1164.30 W=1164.24	106264.3367	1984684.3347	11.28'
EX MH1	TR=1162.80 Σ=1153.78 N=1151.88	106904.2451	1984863.3899	10.92'
EX MH D1	TR=1171.14 E=1166.64	106571.9720	1985530.0860	4.50'
EX MH D2	TR=1171.63 W=1166.99 E=1166.91	106583.6560	1985470.9650	4.72'
EX MH D3	TR=1176.52 Σ=1168.62 E=1168.55	106578.5070	1985071.2750	7.97'

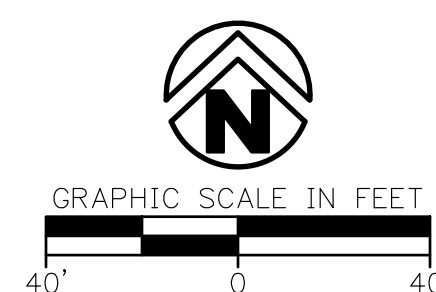


WHERE FILL MATERIAL IS INDICATED SUCH MATERIAL SHALL BE PLACED AND COMPACTED IN SIX (6) INCH LIFTS FOR HAND-TAMPED EQUIPMENT AND THIRTY (30) INCH LIFTS FOR POWER-DRIVEN EQUIPMENT TO 95% STANDARD PROCTOR DENSITY PRIOR TO TRENCHING.



C-201

WHERE FILL MATERIAL IS INDICATED SUCH MATERIAL SHALL BE PLACED AND COMPACTED IN SIX (6) INCH LIFTS FOR HAND-TAMPED EQUIPMENT AND THIRTY (30) INCH LIFTS FOR POWER-DRIVEN EQUIPMENT TO 95% STANDARD PROCTOR DENSITY PRIOR TO TRENCHING.



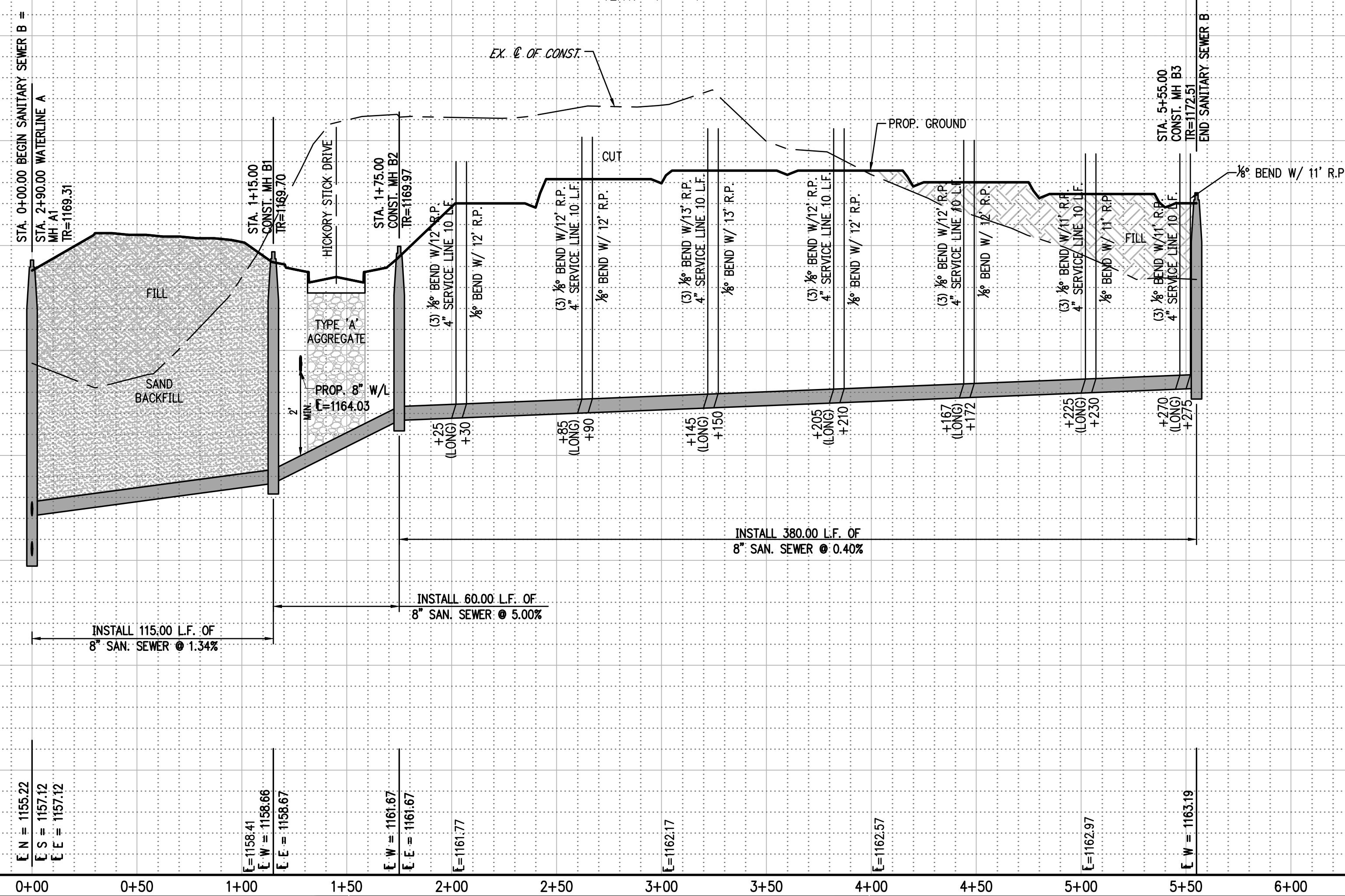
SANITARY SEWER B PLAN

LEGEND

MPE	MINIMUM PAD ELEVATION
WATER LINE	_____ W _____
PROP GROUND	=====
EX. & OF CONST.	_____ - _____ - _____

SANITARY SEWER B PROFILE

SCALE: HORIZ: 1" = 40'
VERT: 1" = 4'

Key Plan[illegible]

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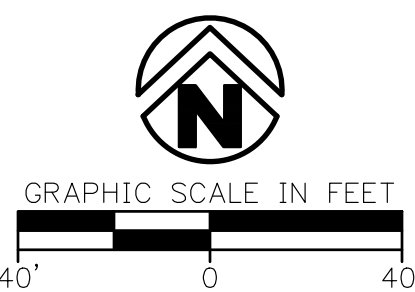
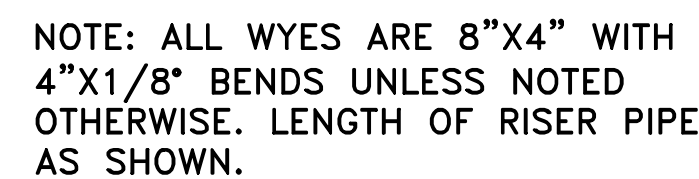
PROJECT NO: 21609100
ISSUE DATE: 09/01/21
CONTACT: JASON SPENCER
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SANITARY SEWER B

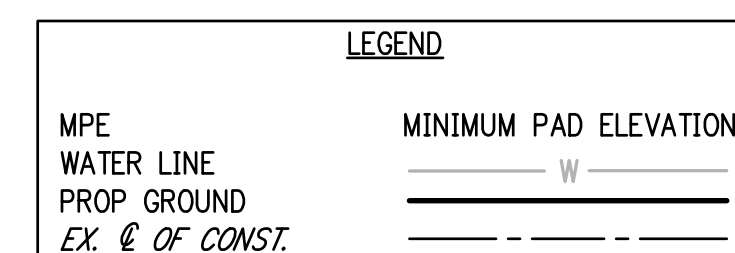
C-202



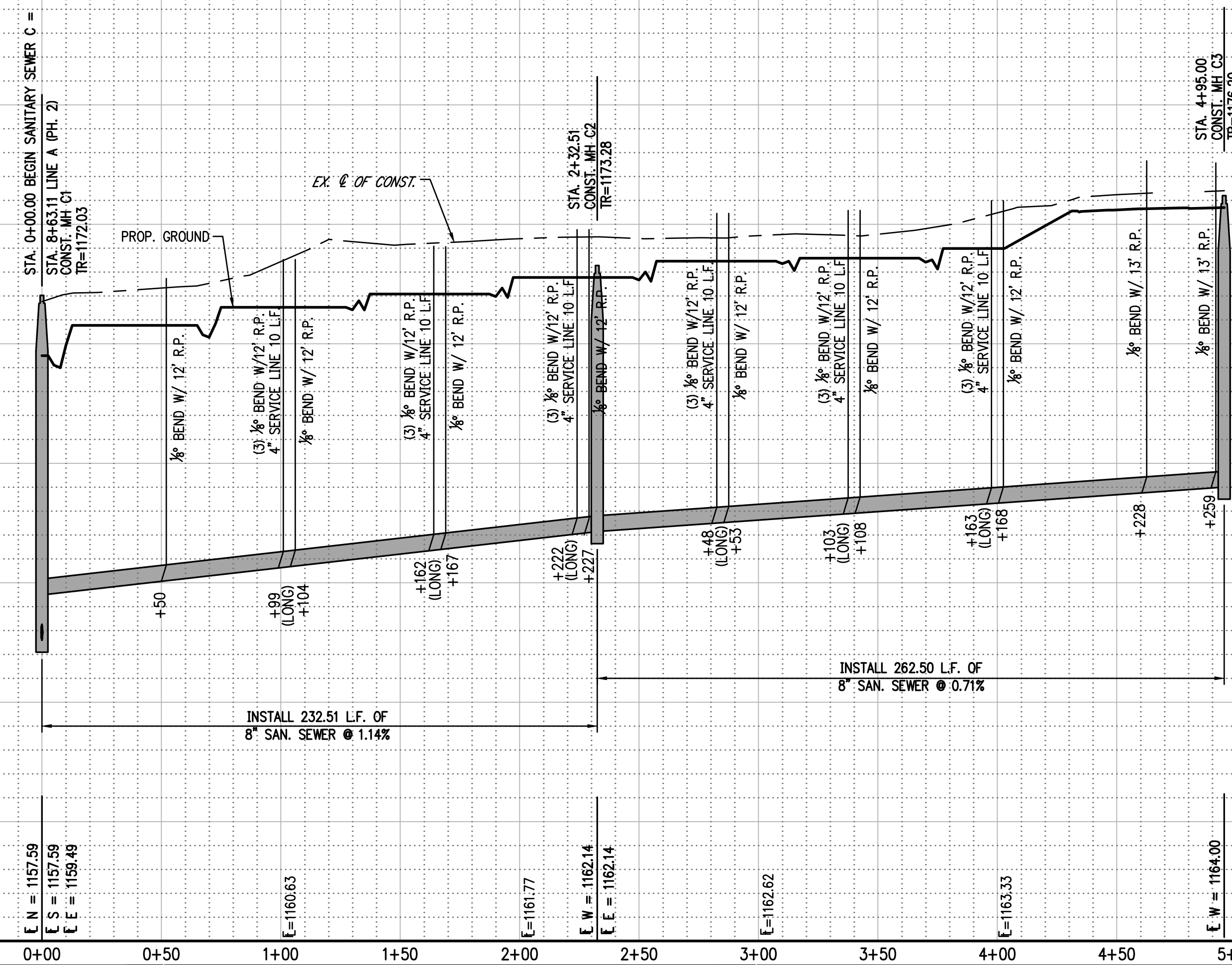
SANITARY SEWER C PLAN

NOTE:

WHERE FILL MATERIAL IS INDICATED SUCH MATERIAL SHALL BE PLACED AND COMPACTED IN SIX (6) INCH LIFTS FOR HAND-TAMPED EQUIPMENT AND THIRTY (30) INCH LIFTS FOR POWER-DRIVEN EQUIPMENT TO 95% STANDARD PROCTOR DENSITY PRIOR TO TRENCHING.



SCALE: HORIZ: 1" = 40'
VERT: 1" = 4'



CERTIFICATE OF AUTHORIZATION
CA 973 (PE/LS) EXPIRES 6/30/2022

SLEEPY HOLLOW
3RD ADDITION
PHASE 3

CHICKASHA, GRADY COUNTY,
OKLAHOMA

Key Plan

[illegible]

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PROJECT NO: 21609100

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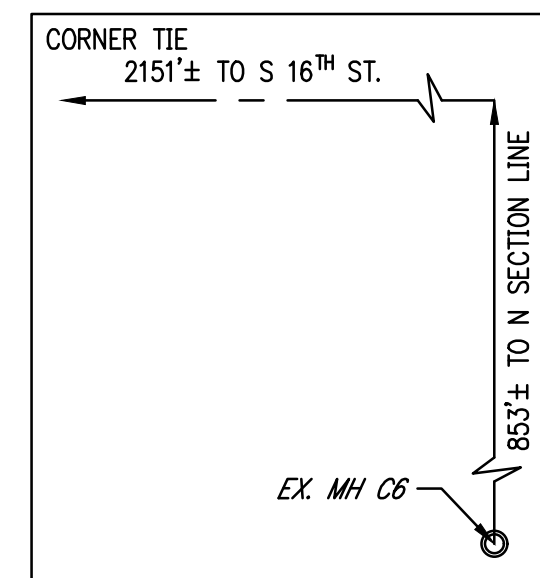
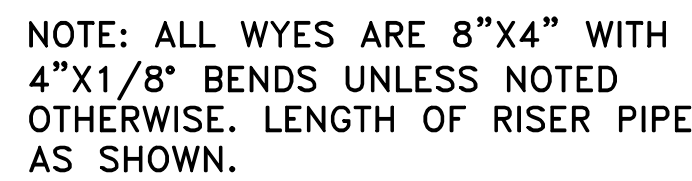
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C-203

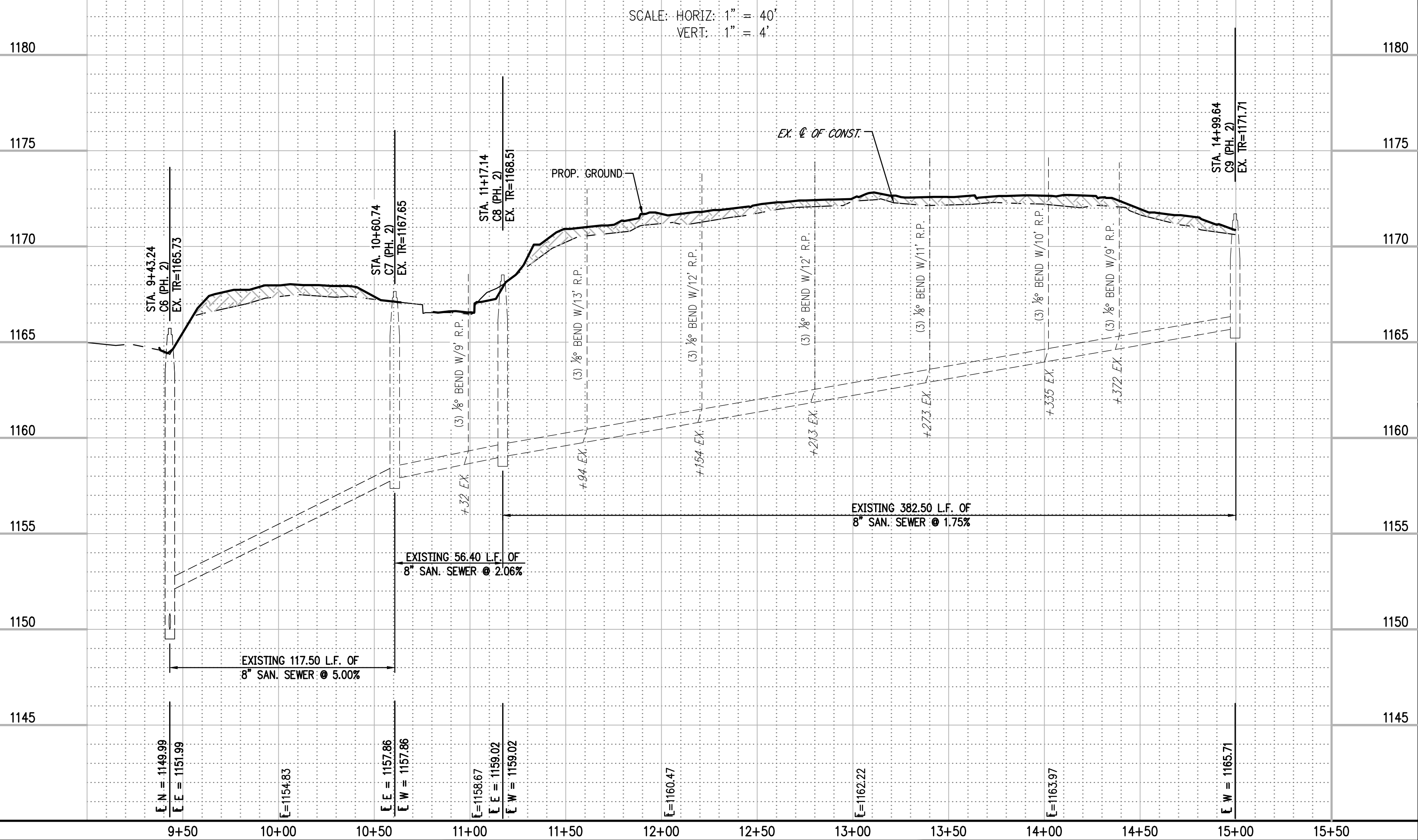


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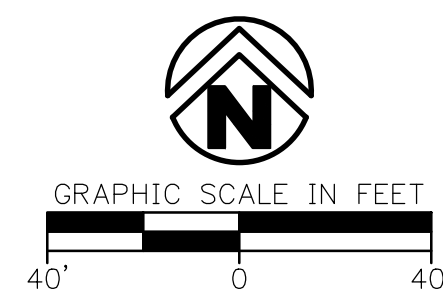
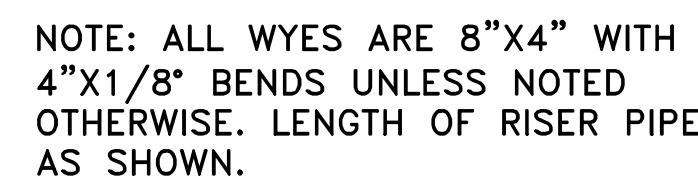
SLEEPY HOLLOW
3RD ADDITION
PHASE 3
WICKASHA, GRADY COUNTY,
OKLAHOMA



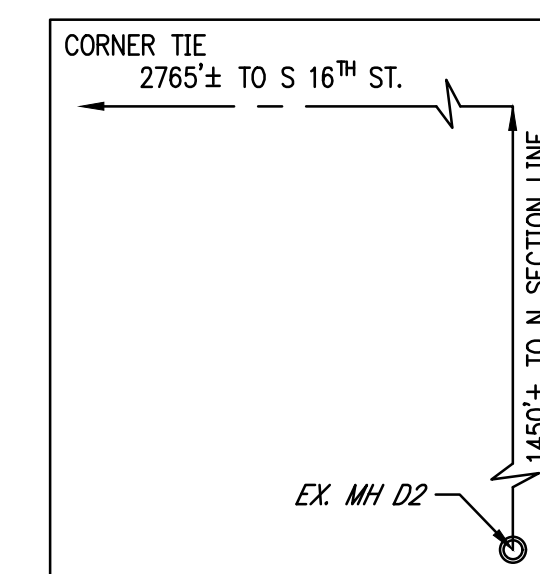
C-204

WHERE FILL MATERIAL IS INDICATED SUCH MATERIAL SHALL BE PLACED AND COMPACTED IN SIX (6) INCH LIFTS FOR HAND-TAMPED EQUIPMENT AND THIRTY (30) INCH LIFTS FOR POWER-DRIVEN EQUIPMENT TO 95% STANDARD PROCTOR DENSITY PRIOR TO TRENCHING.

CERTIFICATE OF AUTHORIZATION
CA 973 (PE/LS) EXPIRES 6/30/202



EX. SANITARY SEWER LINE D PLAN

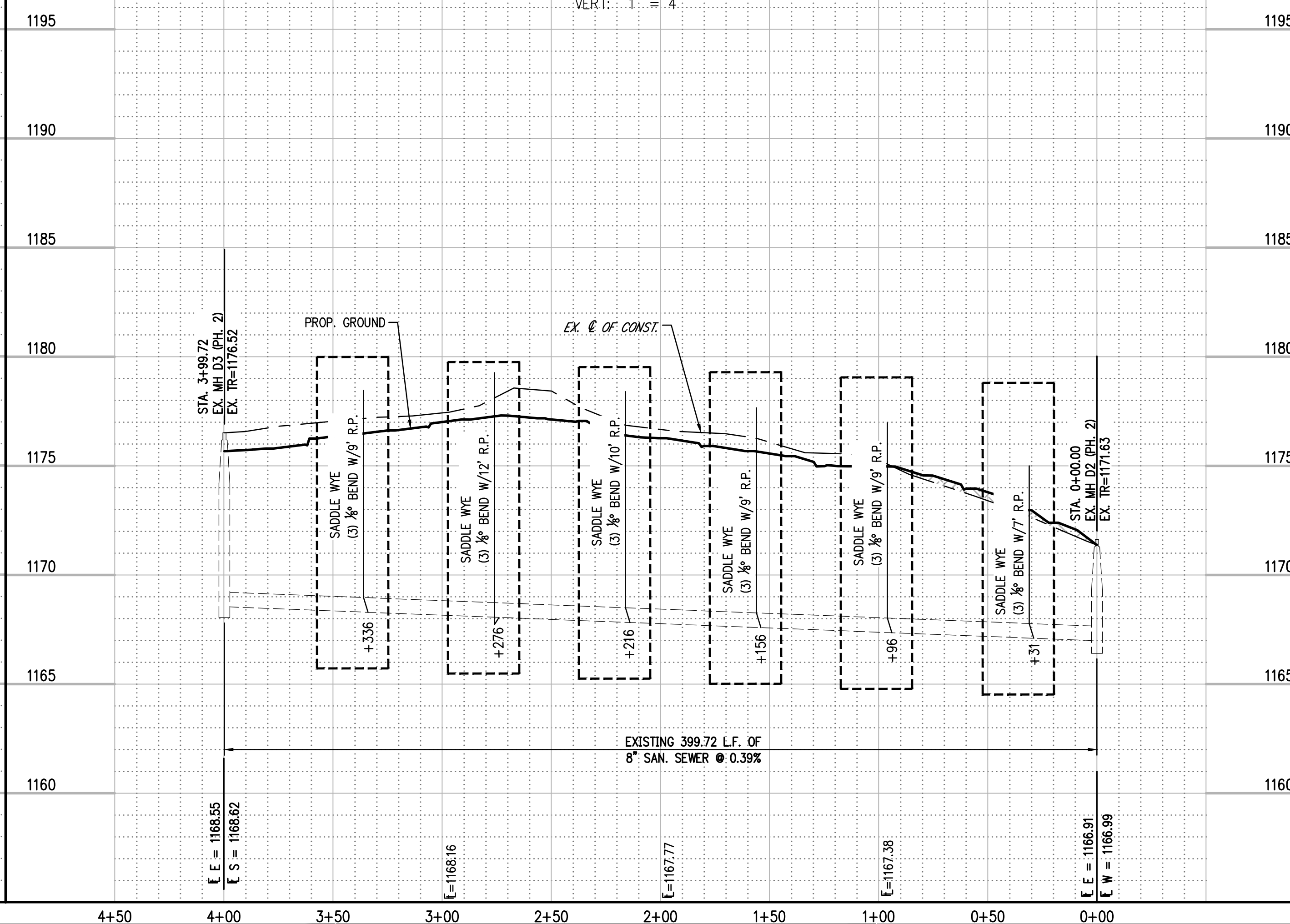


LEGEND

MPE	MINIMUM PAD ELEVATION
WATER LINE	_____ W _____
PROP GROUND	=====
EX. @ OF CONST.	_____ - - - - -

EX. SANITARY SEWER LINE D PROFILE

SCALE: HORIZ: 1" = 40'
VERT: 1" = 4'



SLEEPY HOLLOW
3RD ADDITION
PHASE 3

CHICKASHA, GRADY COUNTY,
OKLAHOMA

Key Plan

[illegible]

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PRELIMINARY PLANS

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C-205

CHICKASHA, GRADY COUNTY,
OKLAHOMA

Key Plan

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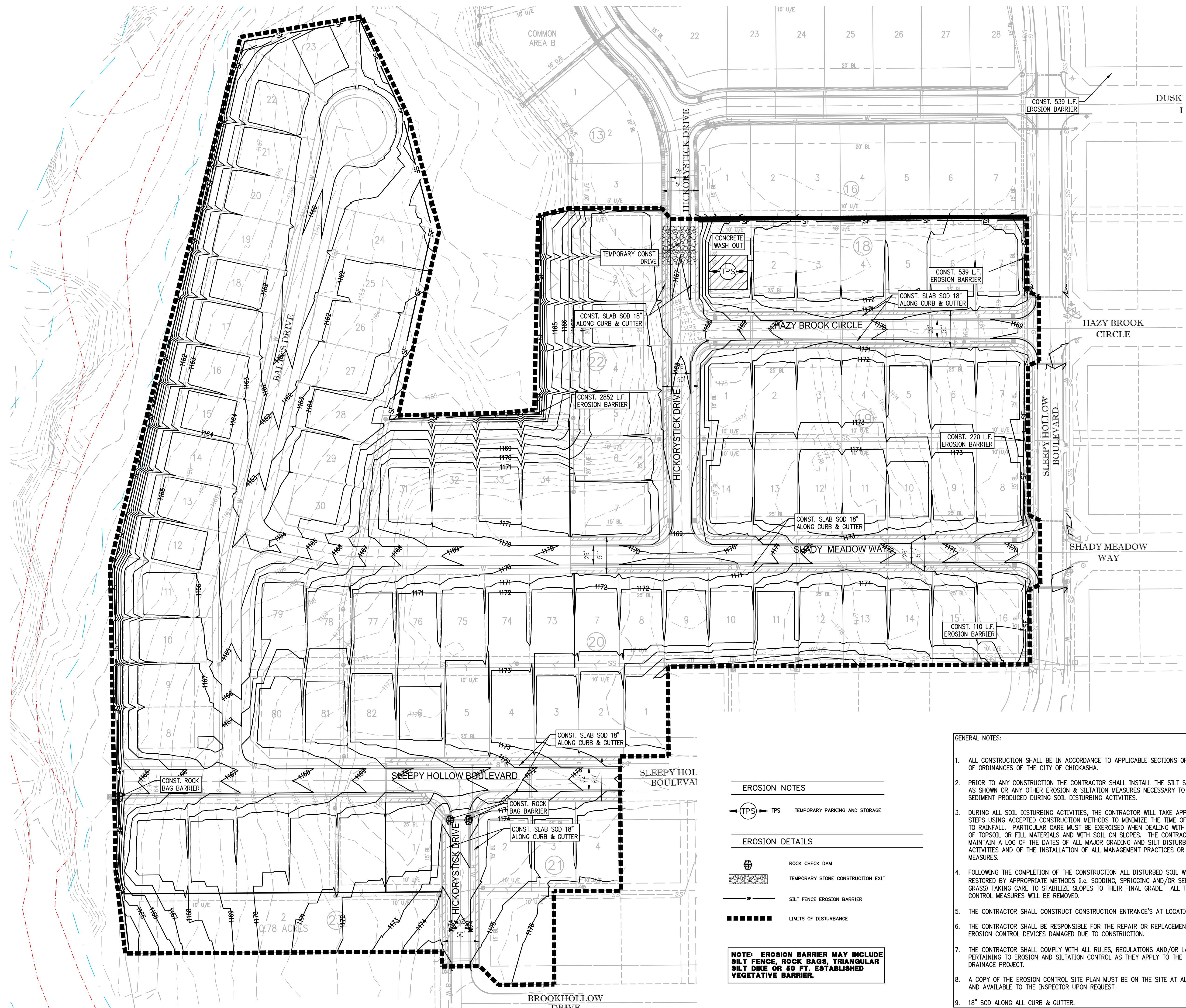
CONTACT: JASON SPENCER

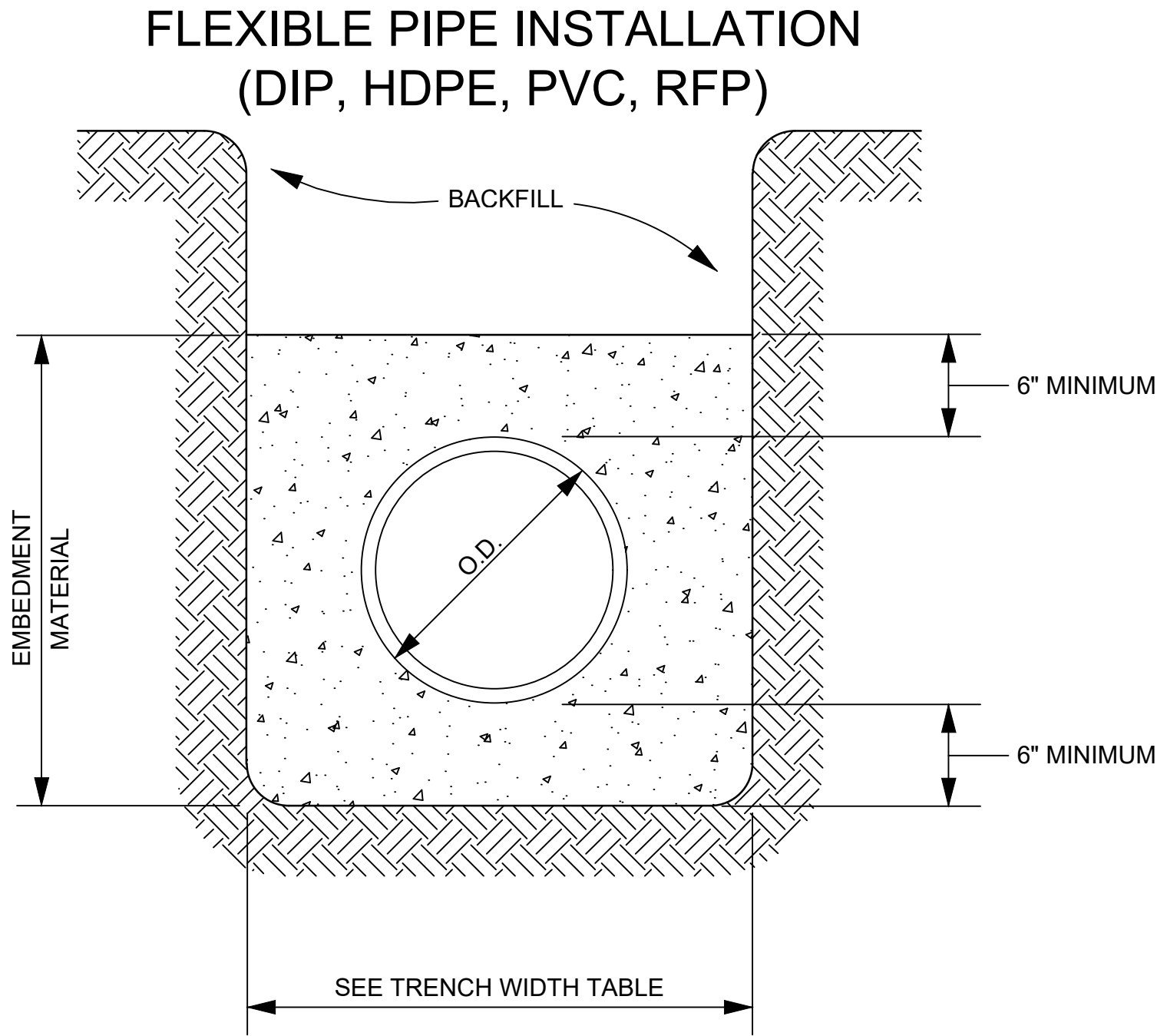
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CONSTRUCTION

EROSION CONTROL PLAN

C-502

SLEEPY HOLLOW 3RD ADDITION PHASE 3
Page 92 of 318





BACKFILLING

1. **DESCRIPTION** -- Backfill is that portion of the total backfill down to but not including the pipe embedment material. The back fill shall be only material approved by the Engineer consisting of loose earth, free of clods, stones, organic matter, debris or other objectionable material. All backfilling shall be done in such a manner as not to disturb or injure the pipe or structures over or against which it is being placed. Any pipe or structure injured or moved from its proper line or grade during backfilling operations shall be opened up and repaired then rebackfilled as herein specified.
- The placing of backfill mater shall not begin until approved for so doing has been given by the Engineer, but backfilling about structures or portion of structures shall be done immediately when so ordered by the Engineer. The top surface of all slopes of all backfill shall be neatly graded off where selected topsoil, or sod or other material is removed and piled separately, such material shall be carefully replaced in a manner satisfactory to the Engineer. The top twelve inches of backfill shall be of as good quality as the original topsoil, which is removed.
2. **COMPACTING REQUIREMENTS** -- All backfill shall be placed and compacted in six (6") inch lifts for hand-tamped equipment and thirty (30") lifts of self-propelled or power driven equipment to the following minimum percent of Standard Proctor Density of Related Density as determined by ASTM D-698, "Test for Moisture-Density Relations of Soil and Soil Aggregate Mixtures", and ASTM D-2049 "Text for Relative Density of Cohesionless Soils", respectively. ASTM Test D-2049 shall be performed on cohesionless (Granular) soils.
- Cohesive backfill material shall reach the indicated compaction levels at plus (+) or minus (-) three (3%) percent of optimum moisture content. The lift thickness shall be reduced, if necessary, to meet the compaction requirements specified herein.

General Location	Percent Compaction (%)	
	Standard Proctor Density (ASTM D-698)	Standard Proctor Density (ASTM D-698)
Under Traffic Area or Improved Existing Surfaces	95	75
Urban & Residential Areas	90	70
Underdeveloped & Other Areas	85	70

2. **COMPACTING METHODS** -- Compacting methods may vary depending on the materials or as approved by the Engineer.
- a. **COHESIVE MATERIALS** -- Compaction of cohesive materials may be obtained by the use of impact type equipment in confined areas; pneumatic tampers and engine driven rammers may also be used. In relatively narrow trenches, self propelled rammers may also be used. In wide trenches, sheepsfoot rollers may be used.

EMBEDMENT MATERIAL

Embedment is that material to be placed from a minimum of six (6") inches below bottom of the pipe to the springline (half pipe diameter) or to a minimum of six (6") inches above top of pipe for rigid and flexible pipes, respectively. the remaining material to be placed over the embedment is considered backfill.

MINIMUM MATERIAL REQUIREMENTS

1. **GENERAL** -- Embedment material for all rigid and flexible pipes shall be crushed rock meeting the requirement of either ASTM D-2321, Class 1A, or ASTM C-33, Number 57 or 67 and graduations shown below:

Nominal Sieve Size	Percent Passing		
	ASTM D-2321	ASTM C-33	
	Class 1A	Number 57	Number 67
1 1/2 inch	100%	100%	.....
1 inch	ASTM D-2321	95 to 100%	100%
3/4 inch	.....	.....	90 to 100%
1/2 inch	.....	25 to 60%	.....
3/8 inch	.....	.....	20 to 55%
Number 4	≤10%	0 to 10%	0 to 10%
Number 8	.....	0 to 5%	0 to 5%
Number 200	≤5%	.....	.....

2. **COMPACTION REQUIREMENTS** -- All embedment material shall be placed in six (6") inch lifts to the following minimum percent of Standard Proctor Density as determined by ASTM D-698. "Tests for Moisture -- Density Relations of Soil -- Aggregate Mixtures", and ASTM D-2049, "Test for Related Density of Cohesionless Soils", respectively.

Compaction Test	Compaction Requirement
Standard Proctor Density	95%
Relative Density	75%

3. **COMPACTION METHODS** -- All embedment material shall be compacted in accordance with the methods described in Part "3" of "Backfilling."

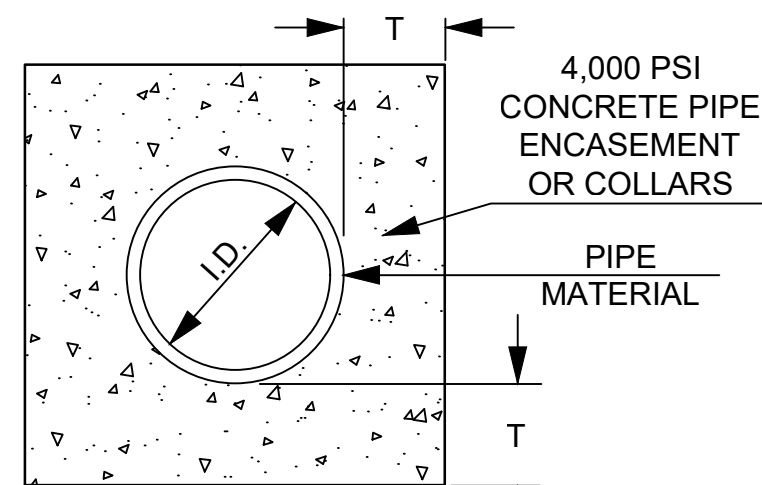
VERTIFIED CLAY PIPE MINIMUM PIPE DESIGN ASTM C-700

Pipe Nominal Size (inches)	Minimum Three--Edge Bearing Strength (lb./ft)	Maximum Depth of Cover (feet)
4	2000	25
6	2000	25
8	2200	20
10	2400	18
12	2600	16
15	2900	15
18	3300	14
21	3850	14
24	4450	14
27	4700	13
30	5000	13
33	5500	13
36	6000	13
39	6550	13
42	7000	12

TRENCH WIDTH TABLE

Pipe Nominal Size (inches)	Minimum Trench Width (feet)	Maximum Trench Width (feet)
≤12	3.00	5.00
15	3.25	5.00
18	3.50	5.00
21	3.75	5.25
24	4.00	6.00
27	4.25	6.25
30	4.50	6.75
33	4.75	8.25
36	5.25	9.00
42	6.25	9.50
48	7.00	11.00
54	8.00	11.50
60	9.00	12.00
66	9.75	13.00
72	10.50	13.00
78	10.50	13.50
84	11.00	14.00
90	11.50	14.50
96	12.00	15.00
102	12.50	15.50

PIPE ENCASEMENT AND COLLARS



NOMINAL DIAMETER (INCHES)	T (INCHES)
≤18"	6"
>18" & <30"	8"
>30" & <42"	10"
≤42"	12"

NOTE: FOR COLLARS, THE CONCRETE ENCASEMENT SHALL BE PLACED TO A MINIMUM OF TWELVE (12") INCHES ON EITHER SIDE OF THE JOINT.

SANITARY SEWER PIPE
INSTALLATION DETAILS

SMITH ROBERTS BALDISCHWILER, LLC

CHICKASHA CITY OFFICE
1000 S. W. 10th St.
Chickasha, OK 73015
Phone: (405) 224-1444
Fax: (405) 224-1445

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CERTIFICATE OF AUTHORIZATION NO. 3949 EXPIRES JUNE 30, 2015

NO.	DATE	DESCRIPTION	BY

PROJ. :
DATE :
DRAWN BY :
DESIGNED BY :
CHECKED BY :

CITY OF CHICKASHA, OK
SANITARY SEWER DETAIL SHEET

SCALE:
N.T.S.

SHEET
S-1

Figure 10.10 consists of two cross-sectional diagrams of a trench shoring system. The left diagram shows a trench with a trench box, trench shields, trench bracing, trench strapping, trench bracing, trench shields, and trench box. The right diagram shows a trench with a trench box, trench shields, trench bracing, trench strapping, trench bracing, trench shields, and trench box. Labels include: GROUT, SKID SUPPORT, CASING, and STRAPPING.

NOTES:

- | PIPE NOMINAL SIZE
(inches) | SUGGESTED CASING PIPE INSIDE DIAMETER
(inches) |
|-------------------------------|---|
| 4 | 8 to 10 |
| 6 | 10 to 12 |
| 8 | 14 to 16 |
| 10 | 16 to 18 |
| 12 | 18 to 20 |
| 15 | 20 to 22 |
| 18 | 24 to 26 |
| 24 | 31 to 33 |
| 27 | 33 to 36 |
| 30 | 36 to 42 |
| 36 | 42 to 48 |
| 42 | 54 to 60 |
| 48 | 60 to 66 |

- | OUTSIDE
DIAMETER
(inches) | UNDER HIGHWAY | | UNDER RAILROAD | |
|---------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| | WALL
THICKNESS
(inches) | WALL
THICKNESS
(inches) | WALL
THICKNESS
(inches) | WALL
THICKNESS
(inches) |
| < 12 3/4 | 0.188 | 30 | 0.250 | 30 |
| 16 | 0.250 | 30 | 0.281 | 30 |
| 18 | 0.250 | 30 | 0.322 | 30 |
| 20 | 0.250 | 30 | 0.344 | 30 |
| 24 | 0.250 | 30 | 0.406 | 30 |
| 30 | 0.322 | 30 | 0.469 | 30 |
| 36 | 0.375 | 30 | 0.531 | 30 |
| 42 | 0.375 | 25 | 0.531 | 30 |
| 48 | 0.438 | 25 | 0.531 | 25 |
| 54 | 0.438 | 25 | 0.531 | 20 |
| 60 | 0.438 | 25 | 0.531 | 20 |
| 66 | 0.438 | 20 | 0.531 | 20 |

- [illegible]

1. **CLAY PLUGS** -- the embedment and backfill material shall be select clay separated from excavated material and shall be approved by the Engineer prior to placement. This material shall be free of clods, clumps, debris, organic material and stones. all clay plug material shall be compacted to a minimum of ninety (90%) percent of Standard Proctor Density (ASTM D-698) at plus or minus three (3%) percent of Optimum Moisture Content.
2. **FLOWABLE FILL PLUGS** -- Flowable fill plugs shall consist of a Portland Cement grout having a minimum twenty-eight (28) day compressive strength of five hundred (500 psi) pounds per square inch.

Manhole Depth (feet)	Maximum Allowable Water Loss
≤ 8	One (1") inch over Five (5) minutes
≥ 8	One - Eighth (1/8") inch per vertical foot of depth over five (5) minutes

- | Manhole Internal Diameter
(feet) | Time Measured
(seconds) |
|-------------------------------------|----------------------------|
| 4 | 60 |
| 5 | 60 |
| 6 | 60 |
| 7 | 70 |

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Fax: (405) 224-1405

• **ENGINEERS** • **SURVEYORS** • **PLANNERS**

CERTIFICATE OF AUTHORIZATION NO. 3949
EXPIRES JUNE 30, 2015



NO.	DATE	REVISIONS		BY
		DESCRIPTION		

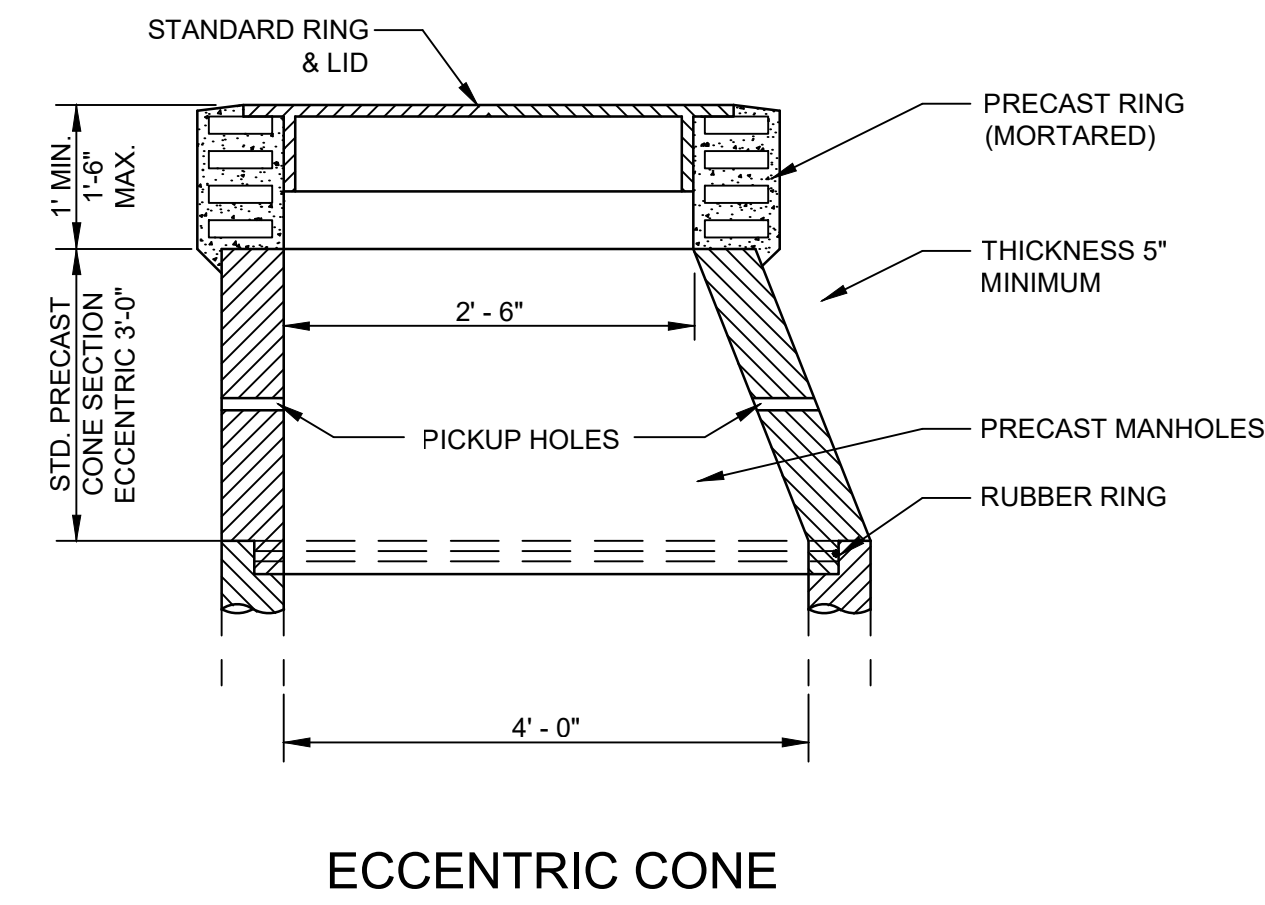
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SANITARY SEWER DETAIL SHEET

SCALE:
N.T.S.

SHEET
S-2

The diagram illustrates a cross-section of a 'CONCENTRIC CONE' structure. It features a central rectangular opening with a width of 2' - 6". The structure is composed of several layers: a top layer labeled 'STANDARD RING & LID', followed by a 'PRECAST RING (MORTARED)' layer. Below these are two sloped sections labeled 'PICKUP HOLES' and 'THICKNESS 5" MINIMUM'. The base of the structure is labeled 'PRECAST MANHOLES'. The overall width of the base is 4' - 0". The height of the structure is indicated as 1' MIN. to 1'-6" MAX. The diagram also shows a 'STD. PRECAST CONE SECTION 3' - 0"' on the left side.



NO KEY JOINT REQUIRED
USE 4 - #4 BARS
EQUALLY SPACED

FINISHED INVERT

12" TYPICAL

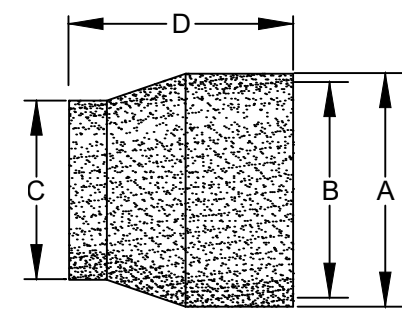
6" CRUSHED ROCK FOUNDATION

A

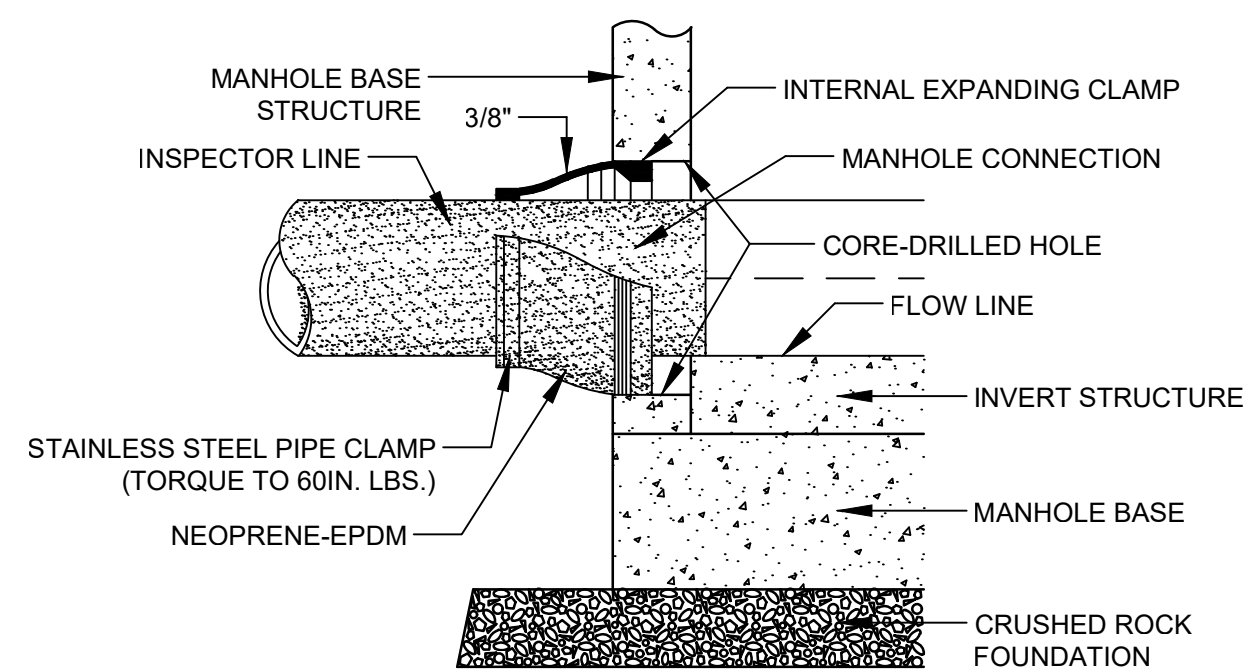
Diagram illustrating the standard precast section dimensions and components:

- STANDARD PRECAST SECTIONS** (Vertical dimension)
- STD. CONE** (Top section)
- 1'-0"** (Height of the top section)
- 2'-0"** (Height of the middle section)
- 3'-0"** (Height of the bottom section)
- 4'-0"** (Height of the bottom section)
- STANDARD BOTTOM** (Bottom section)
- 4'-0"** (Width of the section)
- RUBBER RING** (Component at the top and bottom edges)
- THICKNESS 5" MINIMUM** (Thickness of the section)

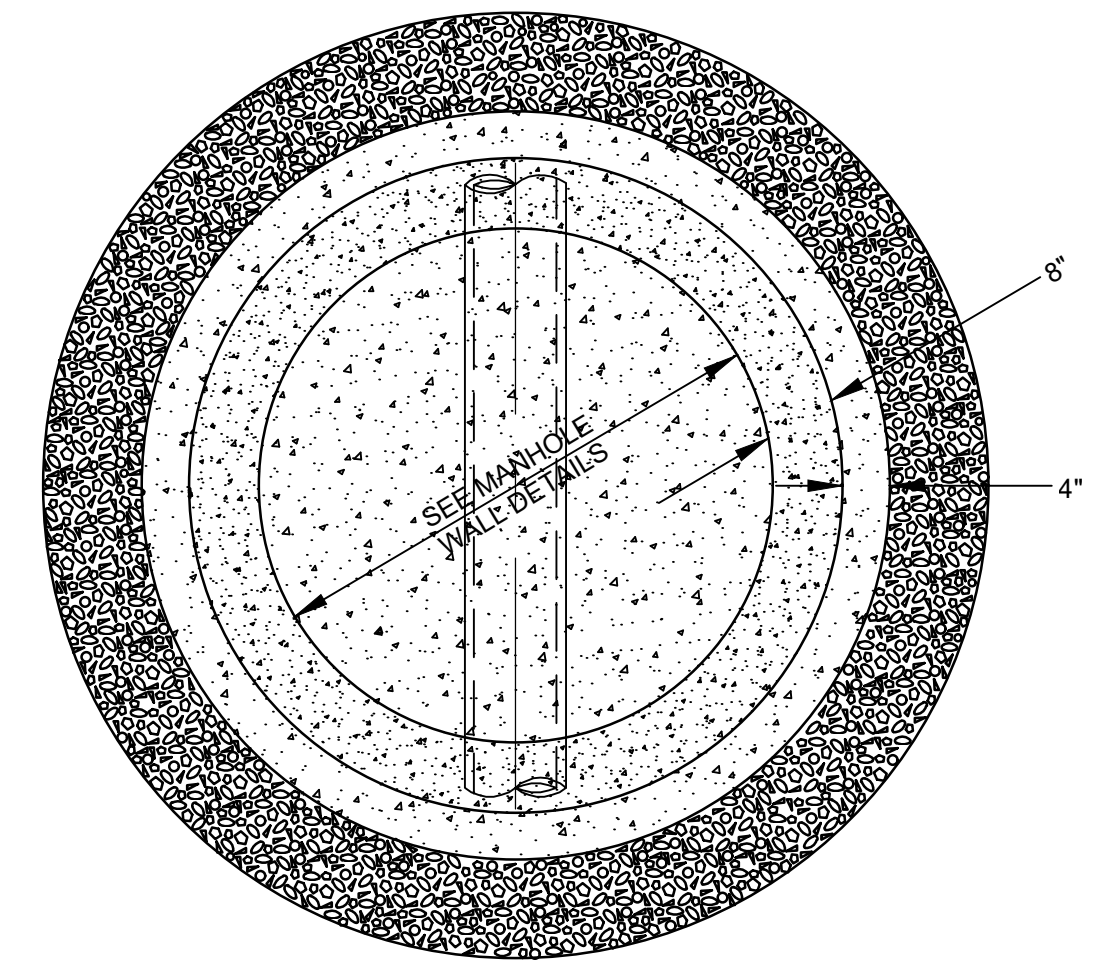
1. ALL PIPE CLAMPS SHALL BE STAINLESS STEEL
2. NEOPRENE--EPDM BLENDED COMPOUND BOOT SHALL MEET ASTM C-923



SUGGESTED PIPE O.D. RANGE (in.)	HOLE & BOOT DIAMETER DIMENSIONS			
	A	B	C	D
3 1/2" - 4 1/2"	7"	6 1/8"	4 1/4"	6"
5 3/8" - 7"	12"	10 7/8"	6 1/2"	8"
7" - 8 1/2"	12"	10 7/8"	8"	8"
8 3/16" - 9 3/4"	12"	10 7/8"	9 1/4"	8"
9 1/4" - 11"	16"	14 7/8"	10 1/2"	8"
10 1/4" - 11"	16"	14 7/8"	12"	8"
12" - 13 3/4"	16"	14 7/8"	13 1/4"	8"
14 1/2" - 16 1/4"	20"	18 7/8"	15 3/4"	8"
15 3/4" - 17 1/2"	20"	18 7/8"	17"	8"
19 1/2" - 21 1/4"	24"	22 7/8"	20 3/4"	8"



SCHEDULE OF THICKNESS ALTERNATE #1	
PIPE DIAMETER	a
8"	1' - 8"
10"	1' - 10"
12"	2' - 1"
15"	2' - 4"
18"	2' - 8"
21"	3' - 0"
24"	3' - 3"



SECTION A-A

SANITARY SEWER DETAILS FOR CAST-IN-PLACE & PRECAST CONCRETE MANHOLES

GENERAL NOTES

FRAME (RING) & COVER

1. GENERAL – Cast iron rings, tops, covers, grating and all cast iron fitting shall be sound, true to form and thickness, and neatly finished and shall fit together in a satisfactory manner. Castings shall be clean, uniform and whole without blow or sand holes, dorisot, hard spots, shrinkage distortion or any other surface defects which would impair serviceability. Casting surfaces shall be smooth and well-cleaned by shot blasting or other approved cleaning method. Plugging or filling holes or other defects shall not be permitted. Parting fins and pouring gates shall be removed. Sharp edges resulting from fabrication shall be dulled by acceptable method to ensure safety in handling. Casting shall conform to the requirements of the Standard Specification for Grey Iron Fittings ASTM A-48, Class "30 B" for rings and "35 B" for covers and the approved Standard Details for Manhole Rings and Covers.

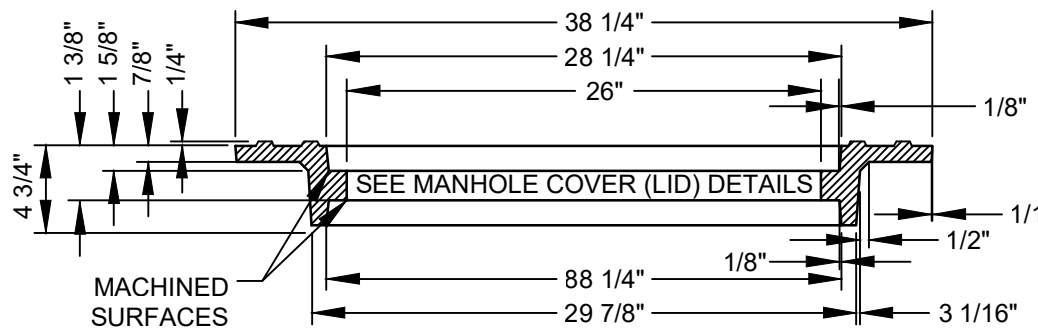
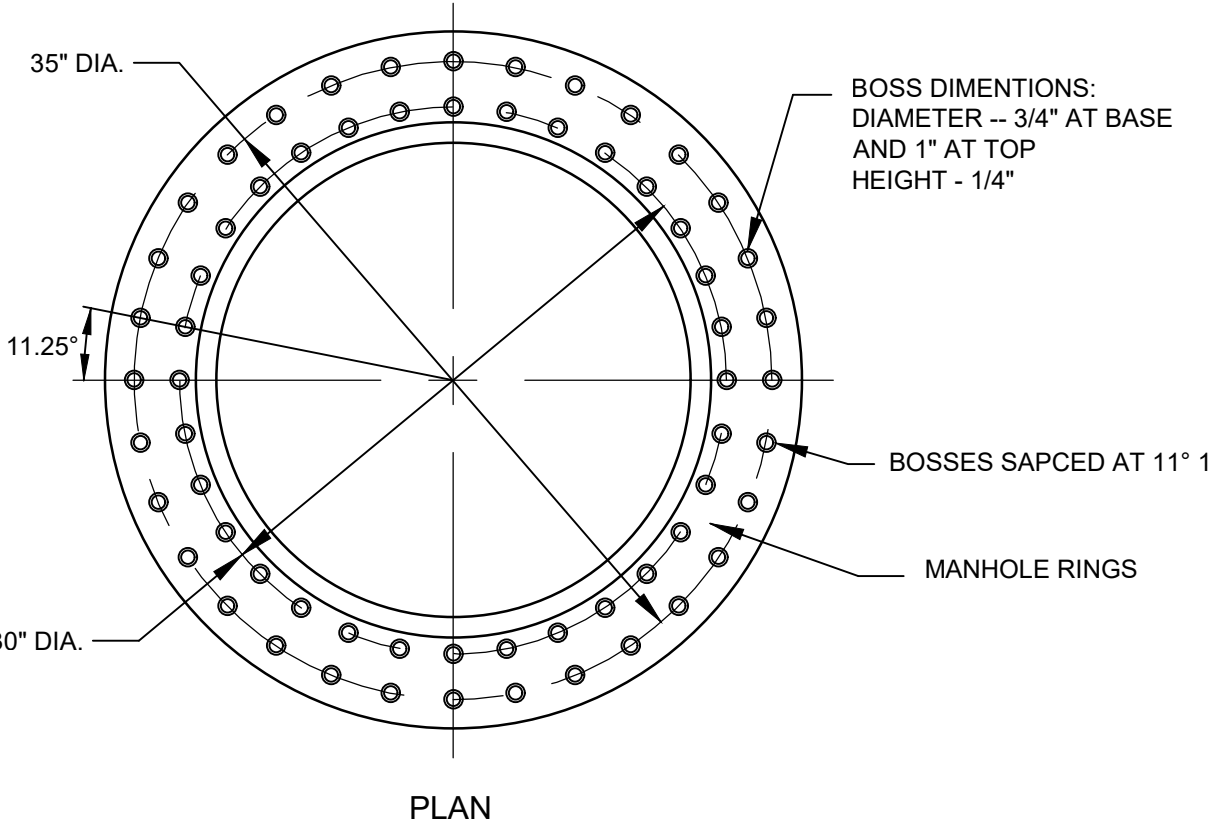
All rings and covers shall be accurately and carefully placed. All rings shall be beaded in a substantial layer of mortar, shall have a full bearing and shall be set to the exact grade. Unless other wise shown, top of covers shall be flush with or slightly above the surrounding surface. When each cover is placed in any position on the ring, the side play shall not exceed one-eighth (1/8") inch in any direction.

2. RINGS -- Rings may be manufactured in accordance with the Standard Detail for Reversible Manhole Rings.

3. COVERS --
 - A. GENERAL -- Manhole covers may be manufactured in accordance with the appropriate Standard Details for Vented or Non-Vented Covers.
 - B. COATING -- When called for on the plans or specified, the underside of all manhole covers shall be given one (1) coat of asphalt varnish after visual inspection and approval on the job site.
 - C. APPLICATION -- All lids (covers) in street right-of-way shall be non-vented.
4. CASTING WEIGHTS -- The average weight of casting will be not less than 95% of weights shown below:

Ring Only	235 LBS
Cover Only	195 LBS
Totals	430 LBS

REVERSIBLE MANHOLE FRAME



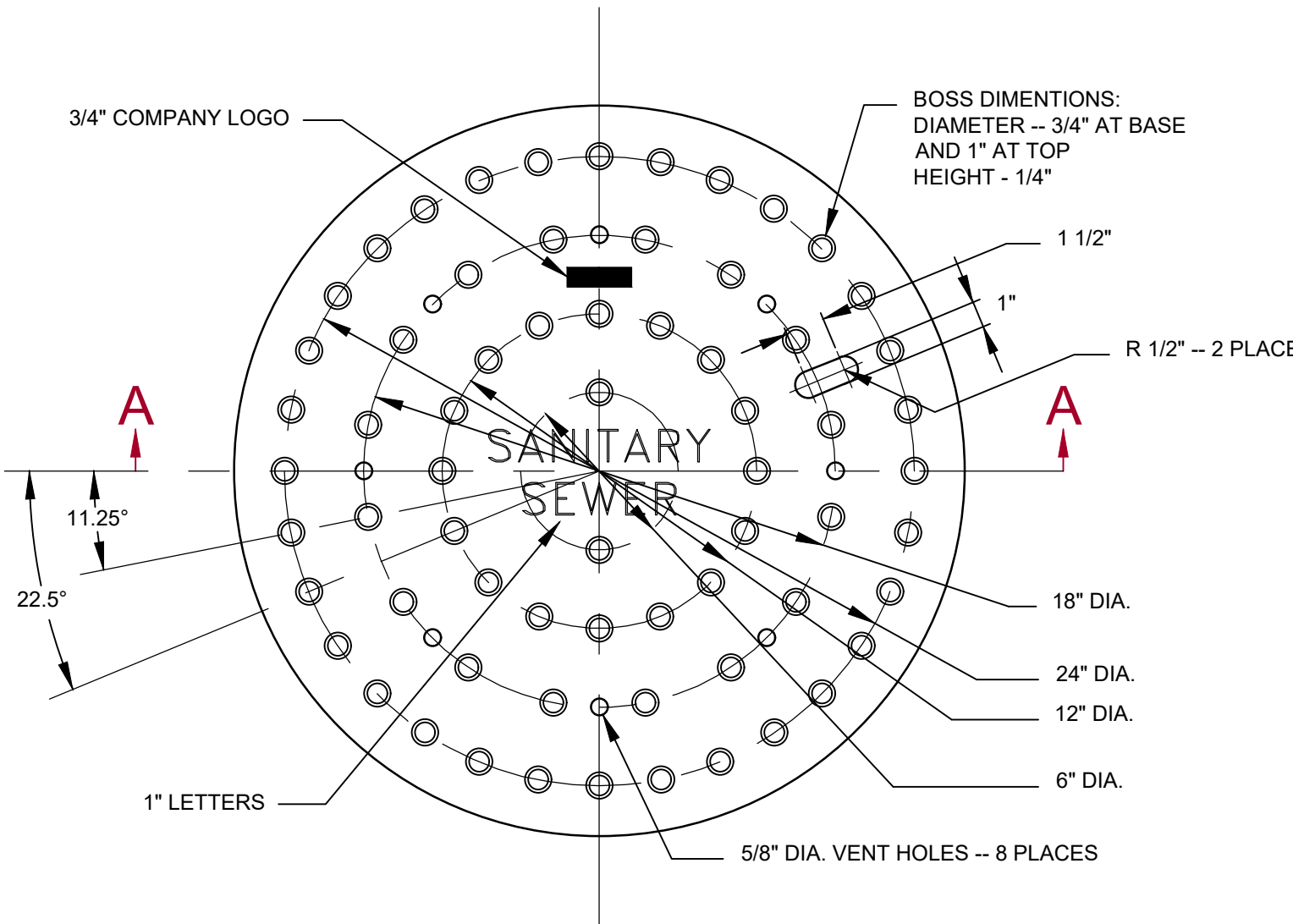
SECTION

AS SHOWN FOR OUT OF PAVING INSTALLATION
REVISED FOR IN PAVING INSTALLATION

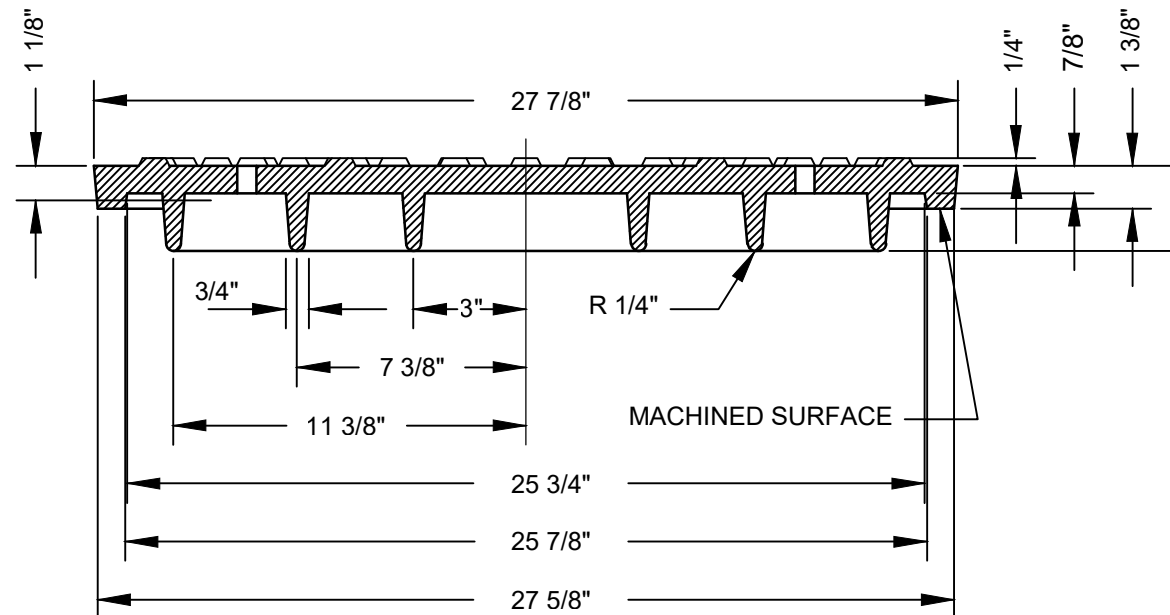
GENERAL NOTES

1. FINISH EXCESS IRON AND FINIS;
MACHINE SEATING SURFACES FLA
TO NOTED DIMENSIONS.
2. FILLETS SHALL BE 1/4" UNLESS
OTHERWISE SPECIFIED.
3. UNLESS OTHERWISE SHOWN,
ALL DIMENTIONS ARE IN INCHES.

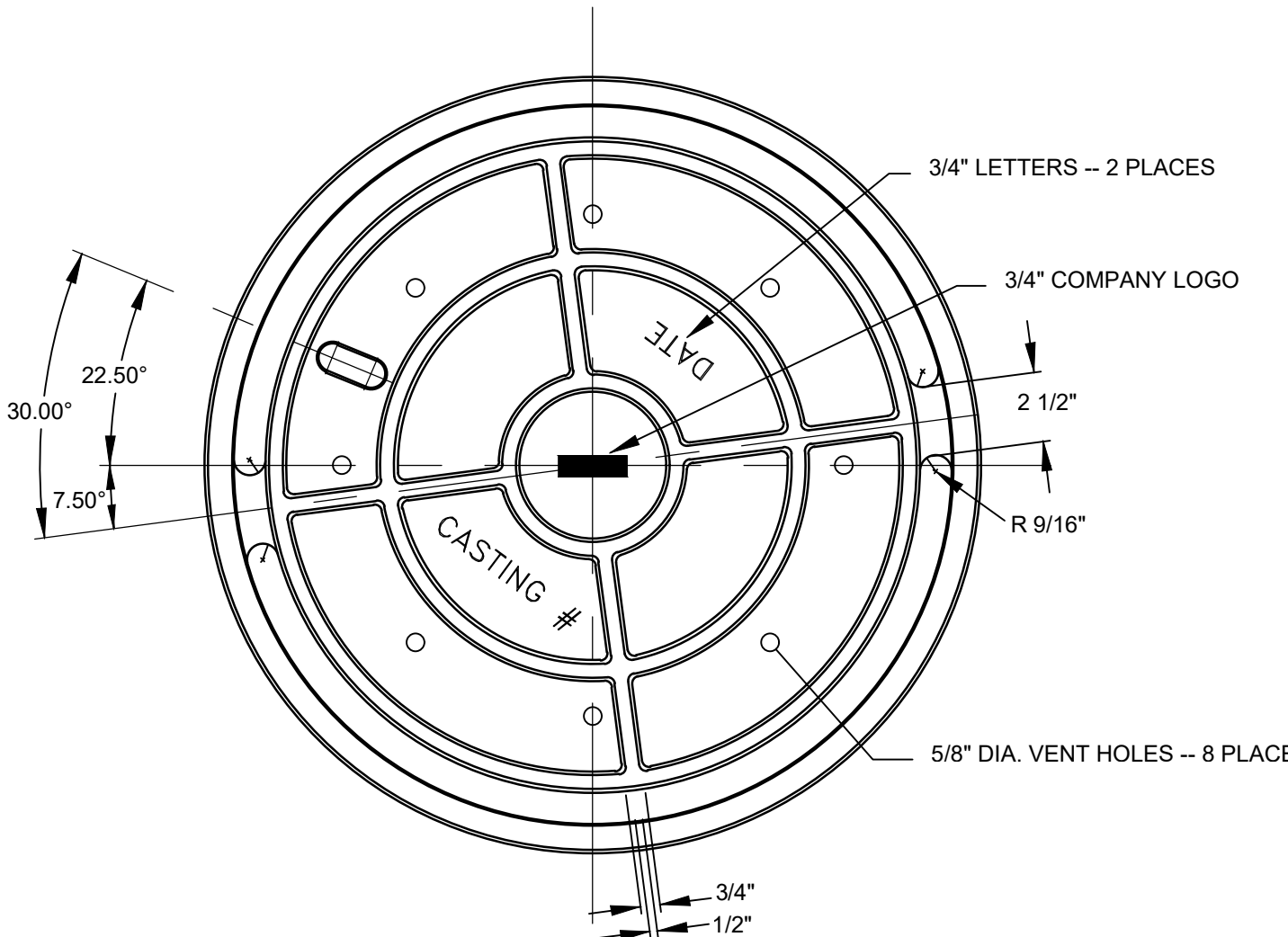
VENTED MANHOLE COVER (LID



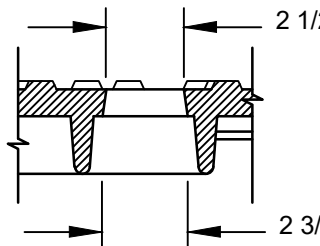
PLAN OF TO



SECTION A-

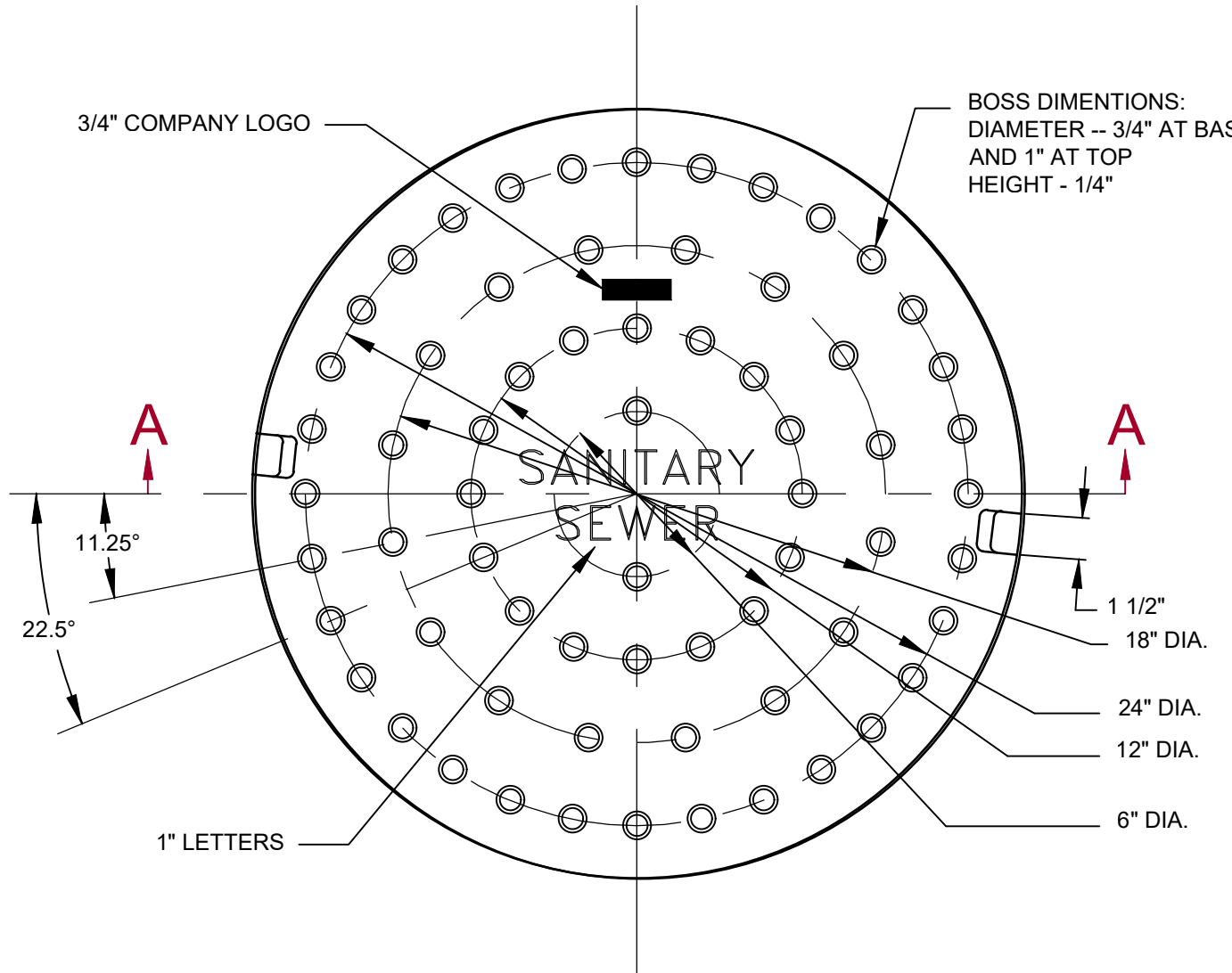


PLAN OF UNDERSID

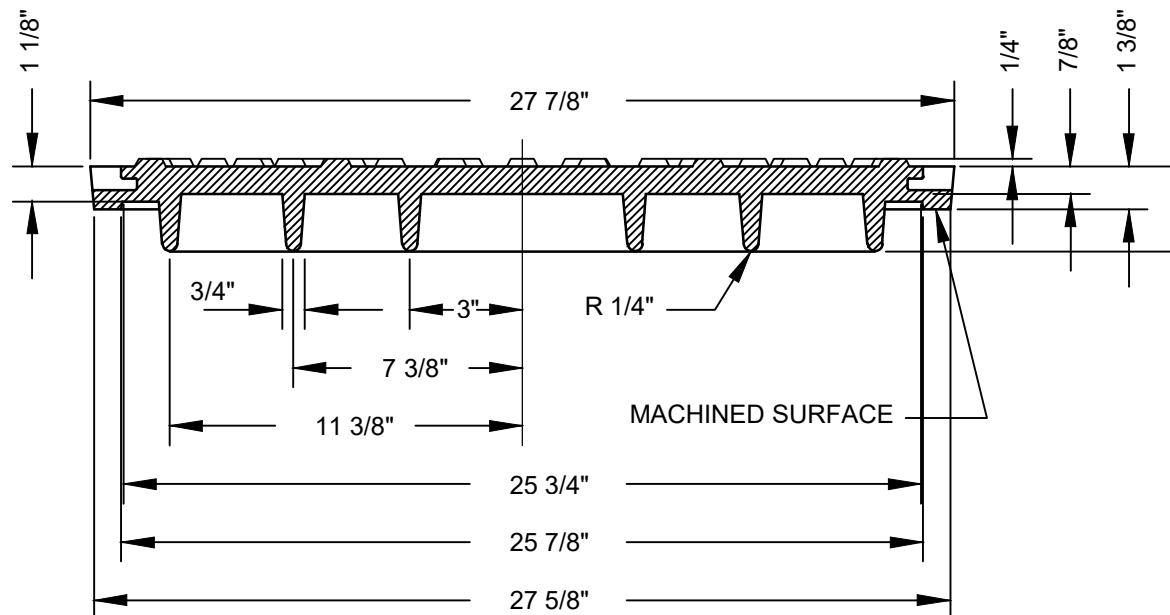


SECTION THREE
PICK SLOT

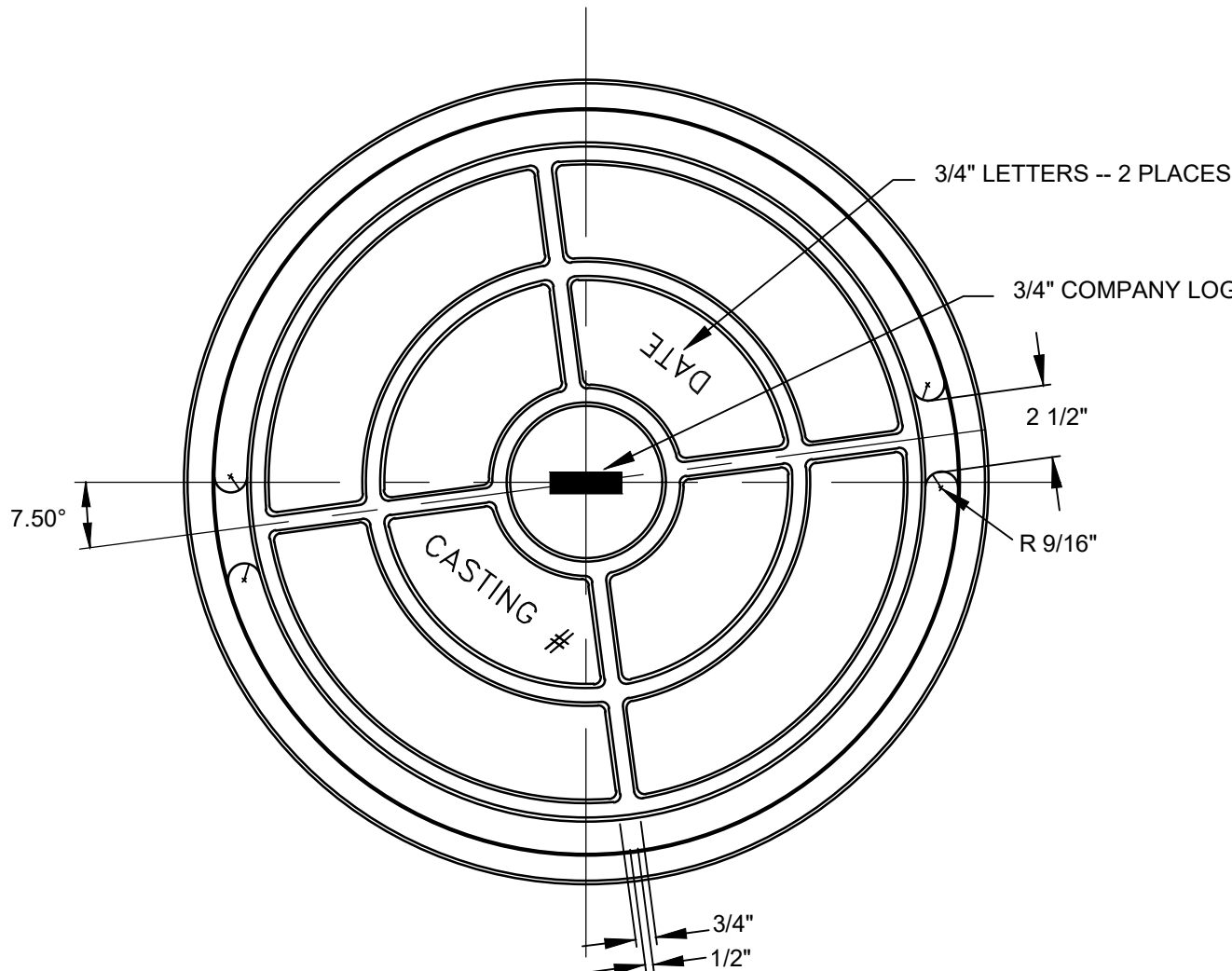
NON-VENTED MANHOLE COVER



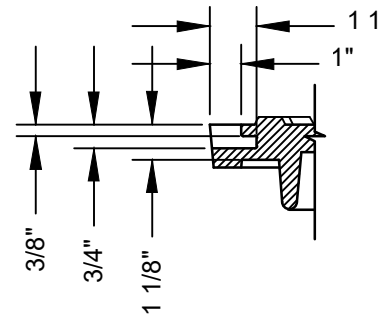
PLAN OF TOPICS



SECTION A



PLAN OF UNDERSIDE



SECTION THRU
PICK SLOT

- ## GENERAL NOTES

1. FINISH EXCESS IRON AND FINIS;
MACHINE SEATING SURFACES FLA
TO NOTED DIMENSIONS.
2. FILLETS SHALL BE 1/4" UNLESS
OTHERWISE SPECIFIED.
3. UNLESS OTHERWISE SHOWN,
ALL DIMENTIONS ARE IN INCHES.

SANITARY SEWER
STANDARD DETAILS FOR
FRAME (RING) & COVER (LID)

NO.	DATE	REVISIONS		BY
		DESCRIPTION		

PROJ. .
DATE: .
DRAWN BY: .
DESIGNED BY: .
CHECKED BY: .

CITY OF CHICKASHA, OK
SANITARY SEWER DETAIL SHEET

SCALE
N.T.S.

SHEET
S-4

ITEM #	ITEM	UNIT	QUANTITY	AS-BUILT
1.	8" WATER LINE (C-900 PVC)	L.F.	1739	
2.	6" WATER LINE (C-900 PVC)	L.F.	545	
3.	FIRE HYDRANT	EA.	3	
4.	FIRE HYDRANT RISER	EA.	3	
5.	8"x8" TEE	EA.	2	
6.	8"x6" TEE	EA.	3	
7.	6"x6" TEE	EA.	1	
8.	8" GATE VALVE & BOX	EA.	5	
9.	6" GATE VALVE & BOX	EA.	4	
10.	8"x45" BEND w/ THRUST BLOCKS	EA.	4	
11.	6"x45" BEND w/ THRUST BLOCKS	EA.	2	
12.	8" PLUG w/ 2" BLOWOFF	EA.	2	
13.	REMOVE 8" PLUG w/ 2" BLOWOFF	EA.	3	
14.	WET CONNECTION	EA.	3	
15.	12"x8" TAPPING SLEEVE (M.J.)	EA.	1	
16.	12"x6" TAPPING SLEEVE (M.J.)	EA.	1	
17.	8" TAPPING VALVE & BOX	EA.	1	
18.	6" TAPPING VALVE & BOX	EA.	1	
19.	1" SSS	EA.	30	
20.	1" SSS (BY TAP)	EA.	1	
21.	1" SLS	EA.	19	
22.	TYPE 'A' AGGREGATE BACKFILL	C.Y.	300	
23.	TESTING AND DISINFECTING	L.S.	1	
24.	12" STEEL CASING BY BORING	L.F.	40	
25.	14" STEEL CASING BY BORING	L.F.	40	

A PART OF THE N/2, SECTION 9, T6N, R7W, I.M.
CHICKASHA, GRADY COUNTY, OKLAHOMA

3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPLACEMENT OR REPAIR OF ALL EROSION CONTROL DEVICES DAMAGED DUE TO CONSTRUCTION.
9. A COPY OF THE EROSION CONTROL SITE PLAN MUST BE ON SITE AT ALL TIMES AND MADE AVAILABLE TO THE INSPECTOR UPON REQUEST.
10. A STORM WATER DISCHARGE PERMIT IS REQUIRED BEFORE ANY LAND DISTURBING ACTIVITY CAN BEGIN.
11. A NOTICE OF INTENT (NOI) SHOULD BE SUBMITTED 30 DAYS PRIOR TO THE INITIAL DISTURBANCE OF SOILS.
12. PIPE - PVC PRESSURE PIPE SHALL BE AWWA C-900, PRESSURE CLASS 200 AND WITH A MINIMUM DIMENSION RATIO OF FOURTEEN (DR-14).
13. FITTINGS - FITTINGS SHALL BE MECHANICAL JOINT TYPE AS SPECIFIED UNDER DUCTILE IRON FITTINGS. ALL FITTINGS SHALL HAVE POLYETHYLENE ENCASEMENT TUBING WITH A THICKNESS OF 8 MIL.
14. TRACER WIRE (CONDUCTOR) - INSTALL ONE (1) STRAND OF NUMBER TWELVE (12) GAUGE COPPER TRACER WIRE ALONG TOP OF ALL PVC PIPING, BRING TO TOP OF GROUND AND ANCHOR ALL PROPOSED VALVES, FIRE HYDRANTS, AND OTHER APPURTENANCES AND BACK TO THE NEAREST EXISTING GATE VALVE.
15. JOINT RESTRAINTS - THE JOINTS SHALL BE RESTRAINED USING CONCRETE THRUST BLOCK AND MECHANICAL JOINT RESTRAINT FOR AWWA C-900. JOINT RESTRAINTS SHALL BE MANUFACTURED BY EBBA IRON SALES, INC. OR UNI-FLANGE BY THE FORD METER BOX CO., INC., OR APPROVED EQUAL.
16. WATER SERVICE CONNECTIONS - WATER SERVICE CONNECTIONS SHALL BE STAINLESS STEEL SADDLE AND GASKET.
17. PIPE BEDDING - SEE ATTACHMENT SHEET C-103.
18. FINAL GRADING MUST BE COMPLETE PRIOR TO THE INSTALLATION OF WATER AND SANITARY SEWER MAINS.
19. 63 OKLAHOMA STATUTE ANNOTATED, 63S, 981: ACTIVITY WITHIN SIX FEET OF HIGH VOLTAGE OVERHEAD LINE OR CONDUCTOR PROHIBITED:
NO MECHANICAL, FIRM, CORPORATION OR ASSOCIATION SHALL, INDIVIDUALLY OR THROUGH AN AGENT OR EMPLOYEE AND NO PERSON AS AN AGENT OR EMPLOYEE OF ANY PERSON, FIRM, CORPORATION OR ASSOCIATION, SHALL PERFORM OR PERMIT ANY AGENT OR EMPLOYEE TO PERFORM ANY FUNCTION OR ACTIVITY UPON ANY LAND, BUILDING, HIGHWAY, OR OTHER PREMISES, WHEN IT IS POSSIBLE DURING THE PERFORMANCE OF SUCH ACTIVITY FOR ANY PERSON OR EMPLOYEE ENGAGED IN PERFORMING WORK CONNECTED WITH OR RELATED TO SUCH FUNCTION OR ACTIVITY TO MOVE TO OR TO BE PLACED IN A POSITION WITHIN SIX (6) FEET OF ANY HIGH VOLTAGE OVERHEAD ELECTRICAL LINE OR CONDUCTOR, OR WHEN IT IS POSSIBLE FOR ANY PART OF ANY TOOL, EQUIPMENT, MACHINERY OR MATERIAL TO BE USED BY ANY SUCH PERSON OR EMPLOYEE TO BE BROUGHT WITHIN SIX (6) FEET OF ANY SUCH OVERHEAD HIGH VOLTAGE LINE OR CONDUCTOR THROUGH ANY LATERAL, VERTICAL OR SWINGING MOTION DURING THE PERFORMANCE OF SUCH FUNCTION OR ACTIVITY.

SHEET INDEX

W-STD-03	WATER STANDARD DETAILS
W-STD-04	WATER STANDARD DETAILS

ONE CALL UTILITY LOCATION NUMBER

This number is to be used for information on the location of all underground utilities. Contact this number and other numbers specified in the plans prior to any excavation.

SUBMITTAL DATES TO OKC



CERTIFICATE OF AUTHORIZATION:
CA 973 (PE/LS) EXPIRES 6/30/2026

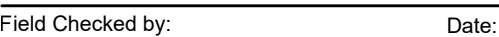
PREPARED BY:

JASON A. SPENCER

) 787-6270

REGISTERED PROFESSIONAL ENGINEER

RENEWAL DATE: 02/28/2023



Checked by: _____ Date: _____

Checked by: _____ Date: _____

Checked by: _____ Date: _____

City Engineer _____ Date: _____

WATER PLANS TO SERVE SLEEPY HOLLOW 3RD ADDITION PHASE 3

OWNER'S CERTIFICATE AND DEDICATION

KNOW ALL MEN BY THESE PRESENTS: That JYM INVESTMENTS, LLC, does hereby certify that they are the owners of and the only persons, firms or corporation having any rights, title, or interest in and to the land shown on the annexed plat and that they have caused the same to be surveyed and platted, and that they hereby dedicate all the streets and easements shown hereon to the public, for the purposes of streets, utilities, and drainage, for their heirs, executors, administrators, successors, and assign forever, and have caused the same to be released from all encumbrances so that the title is clear, except as shown in the abstractor's certificate.

IN WITNESS WHEREOF, the undersigned have caused this instrument to be executed this ____ day of _____, _____. Covenants, reservations, and restrictions for this addition are contained in a separate instrument.

JYM INVESTMENTS, LLC

Jalal Farzaneh, Manager

STATE OF OKLAHOMA)
)SS:
COUNTY OF CLEVELAND)

Before me, the undersigned Notary Public, in and for said County and State on this ____ day of _____, _____, personally appeared Jalal Farzaneh, to me known to be the identical person who executed the within and foregoing instrument, as a free and voluntary act and deed, for the uses and purposes herein set forth.

MY COMMISSION EXPIRES:
May 02, 2023

NOTARY PUBLIC, #11004011

LEGAL DESCRIPTION

A tract of land situate within a portion of the North Half (N/2) of Section Nine (9), Township Six North (T6N), Range Seven West (R7W) of the Indian Meridian (I.M.) in Chickasha, Grady County, Oklahoma, being more particularly described as follows:

BEGINNING at the Southeast corner of Lot 7, Block 16 of SLEEPY HOLLOW 3RD ADDITION, PHASE 1, according to the recorded plat thereof; thence

S00°21'17"E along the exterior boundary line of BLOCK 2, SLEEPY HOLLOW ADDITION, according to the recorded plat thereof, a distance of 600.00 feet to a point on the exterior boundary line of SECOND ADDITION, SLEEPY HOLLOW ADDITION, according to the recorded plat thereof; thence along said exterior boundary line the following Nine (9) courses:

- S89°38'41"W a distance of 485.01 feet; thence
- S00°21'17"E a distance of 120.00 feet; thence
- S89°38'43"W a distance of 65.00 feet; thence
- S00°21'17"E a distance of 180.00 feet; thence
- S89°38'43"W a distance of 90.00 feet; thence
- S00°21'17"E a distance of 125.00 feet; thence
- S89°38'43"W a distance of 75.00 feet; thence
- N45°21'17"W a distance of 35.36 feet; thence
- S89°38'43"W a distance of 50.00 feet to a point on the exterior boundary line of SLEEPY HOLLOW 3RD ADDITION, PHASE 2 according to the recorded plat thereof; thence along said exterior boundary line the following Two (2) courses:

LAND SURVEYOR'S CERTIFICATE

I, DENVER WINCHESTER, do hereby certify that I am a PROFESSIONAL LAND SURVEYOR, and that the annexed plat represents a survey made under my direction, and that the monuments noted hereon actually exist and their positions are correctly shown.

DENVER WINCHESTER, PLS 1952

STATE OF OKLAHOMA)
)SS:
COUNTY OF OKLAHOMA)

Before me, the undersigned Notary Public, in and for said County and State on this ____ day of _____, _____, personally appeared DENVER WINCHESTER, to me known to be the identical person who executed the within and foregoing instrument, as a free and voluntary act and deed, for the uses and purposes herein set forth.

MY COMMISSION EXPIRES:
March 28, 2023

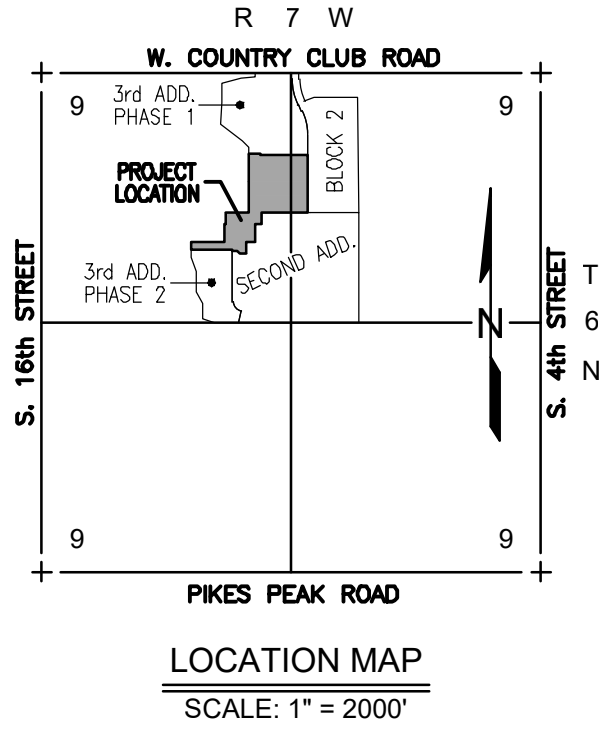
NOTARY PUBLIC, #03005138

CITY PLANNING COMMISSION APPROVAL

I, _____, Planning Director of the City of Chickasha, do certify that the Chickasha Planning Commission duly approved this plat on the ____ day of _____.

PLANNING DIRECTOR

FINAL PLAT
OF
SLEEPY HOLLOW 3RD ADDITION
PHASE 3
A PART OF THE N/2, SECTION 9, T6N, R7W, I.M.
CHICKASHA, GRADY COUNTY, OKLAHOMA



- N00°21'17"W a distance of 20.00 feet; thence
- S89°38'43"W a distance of 425.00 feet; thence

N00°21'17"W a distance of 80.00 feet; thence
N89°38'43"E a distance of 350.00 feet; thence
N00°21'17"W a distance of 180.00 feet; thence
N89°38'43"E a distance of 15.00 feet; thence
N00°21'17"W a distance of 120.00 feet; thence
N89°38'43"E a distance of 240.01 feet; thence
N00°21'17"W a distance of 125.01 feet; thence
S89°38'43"W a distance of 5.00 feet; thence
N00°21'17"W a distance of 490.00 feet to a point on the exterior boundary line of SLEEPY HOLLOW 3RD ADDITION, PHASE 1, according to the recorded plat thereof; thence along said exterior boundary line the following Three (3) courses:

- N89°38'43"E a distance of 125.00 feet; thence
- S00°21'22"E a distance of 15.00 feet; thence
- N89°38'43"E a distance of 490.00 feet to the POINT OF BEGINNING.

Said tract contains 521,940 Sq Ft or 11.98 Acres, more or less.

BONDED ABSTRACTOR'S CERTIFICATE

The undersigned, a duly qualified and lawful bonded abstractor of titles, in and for the County of GRADY, State of OKLAHOMA, hereby certifies that the records of said county show that the title to the land on the annexed plat is vested in JYM INVESTMENTS, LLC, that on the ____ day of _____, _____ there are no actions pending or judgements of any nature in any court or on file with the clerk of any court in said county and state against said land, or the owners thereof, and that the taxes are paid for the year _____, and prior years, that there are no outstanding tax sales certificates against said land, and no tax deeds are issued to any one person, that there are no liens, mortgages or other encumbrances of any kind against the land included in the annexed plat, except mortgages, mineral rights, water rights, and easements of record previously reserved, excepted or granted.

IN WITNESS WHEREOF, said bonded abstractor has caused this instrument to be executed this ____ day of _____, _____.

WASHITA VALLEY ABSTRACT COMPANY

VICE-PRESIDENT

COUNTY TREASURER'S CERTIFICATE

I, _____, do hereby certify that I am the duly elected, qualified and acting County Treasurer of GRADY COUNTY, STATE of OKLAHOMA, that the tax records of said County show all taxes are paid for the year _____, and prior years on the land shown on the annexed plat, that the required statutory security has been deposited in the office of the county treasurer, guaranteeing payment of the current years taxes.

IN WITNESS WHEREOF, said County Treasurer has caused this instrument to be executed at the CITY of CHICKASHA, OKLAHOMA, this ____ day of _____, _____.

COUNTY TREASURER

ACCEPTANCE OF DEDICATION OF CITY COUNCIL

Be it resolved by the Council of the CITY of CHICKASHA, OKLAHOMA, that the dedications shown on the annexed plat are hereby accepted, adopted by the Council of the CITY of CHICKASHA, OKLAHOMA, this ____ day of _____, _____.

ATTEST:

CITY CLERK

MAYOR

CERTIFICATE OF CITY CLERK

I, _____, City Clerk of the CITY of CHICKASHA, STATE of OKLAHOMA, hereby certify that I have examined the records of said City and find that all deferred payments or unamatured instalments upon special assessment have been paid in full and that there is no special assessment procedure now pending against the land shown on the annexed plat on this ____ day of _____, _____.

CITY CLERK

ADDRESSES

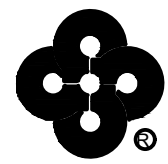
Any addresses shown on this plat were accurate at the time this plat was filed. Addresses are subject to change and should never be relied upon in place of legal description.

NOTES

- This plat of survey meets the Oklahoma Minimum Standards for the Practice of Land Surveying as adopted by the Oklahoma State Board of Licensure for Professional Engineers and Land Surveyors and that said Final Plat complies with the requirements of Title 11, Section 41-108 of the Oklahoma State Statutes.
- Monuments shall be as follows:
Magnetic Nail with Washer stamped "CTA CA973" for all Paved Surfaces or
3/8" Iron Rod with a Plastic Cap stamped "CTA CA973"
- The term "Certify" or "Certification" and "Correct" as noted hereon and as it pertains to land surveying services as shown on this document shall mean, "a statement signed by the Professional Land Surveyor based on the facts and knowledge known to the Professional Land Surveyor at the time of the survey and is not a guarantee or warranty, either implied or expressed.
- A title search was not conducted by a Certified Title Company. All documents were provided by the client/clients and/or researched by the Surveyor, and may be subject to record/unrecorded: easements, rights-of-way, covenants, building setback lines, subdivision restrictions, zoning, land regulations with an accurate title search may reveal.

FINAL PLAT
SLEEPY HOLLOW 3RD ADDITION PHASE 3

300 Points Parkway Blvd.
Yukon, Oklahoma 73099

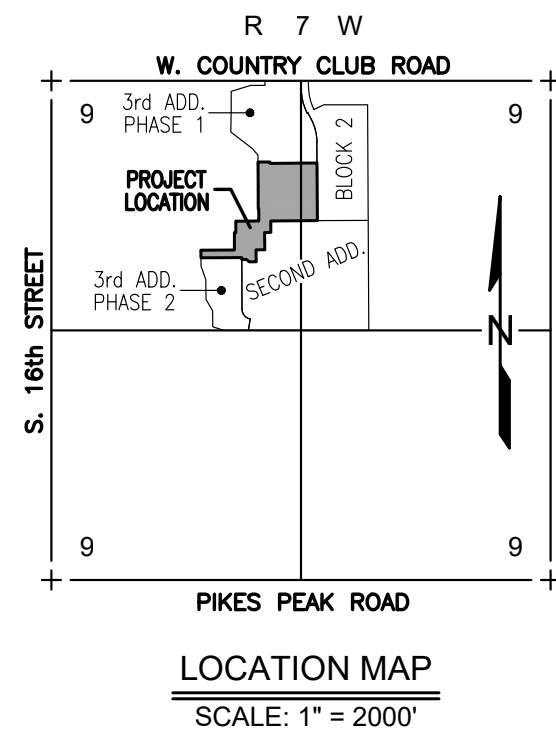


Crafton Tull
architecture | engineering | surveying
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CERTIFICATE OF AUTHORIZATION:
CA 973 (PES) EXPIRES 6/30/2023

SHEET NO.: 1 OF 2
DATE: 09/01/21
PROJECT NO.: 21609100

A PART OF THE N/2, SECTION 9, T6N, R7W, I.M.
CHICKASHA, GRADY COUNTY, OKLAHOMA



LEGEND

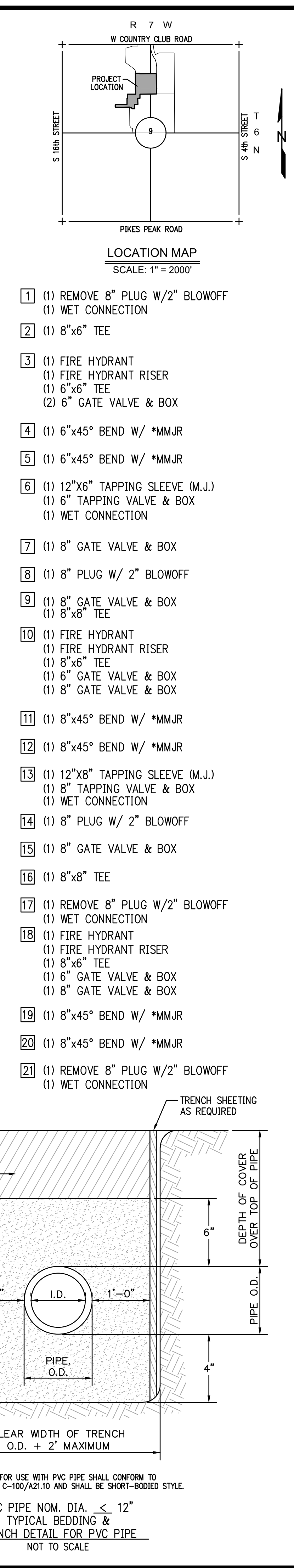
P.O.B.	POINT OF BEGINNING
EX.	EXISTING
R/W	RIGHT-OF-WAY
BL	BUILDING LIMIT LINE
U/E	UTILITY EASEMENT
D/E	DRAINAGE EASEMENT
P/D/E	PRIVATE DRAINAGE EASEMENT

Any addresses shown on this plat were accurate at the time this plat was filed. Addresses are subject to change and should never be relied upon in place of legal description.

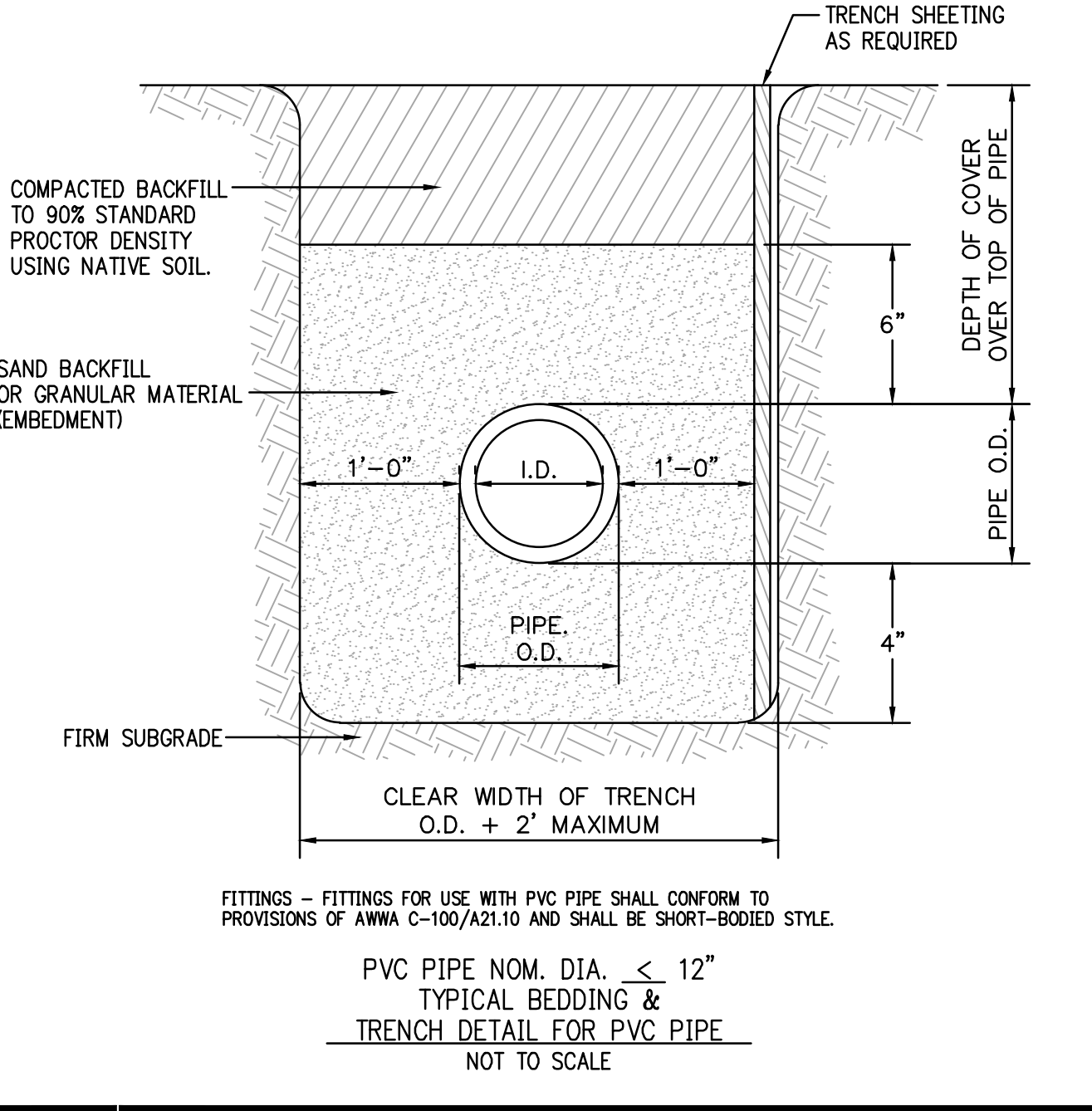
1. This plat of survey meets the Oklahoma Minimum Standards for the Practice of Land Surveying as adopted by the Oklahoma State Board of Licensure for Professional Engineers and Land Surveyors and that said Final Plat complies with the requirements of Title 11, Section 41-108 of the Oklahoma State Statutes.
2. Monuments shall be as follows:
Magnetic Nail with Washer stamped "CTA CA973" for all Paved Surfaces or
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3. The term "Certify" or "Certification" and "Correct" as noted hereon and as it pertains to land surveying services as shown on this document shall mean, "a statement signed by the Professional Land Surveyor based on the facts and knowledge known to the Professional Land Surveyor at the time of the survey and is not a guarantee or warranty, either implied or expressed."
4. A title search was not conducted by a Certified Title Company. All documents were provided by the client/client(s) and/or researched by the Surveyor, and may be subject to record/unrecorded: easements, rights-of-way, covenants, building setback lines, subdivision restrictions, zoning, and regulations with an accurate title search may reveal.



SHEET NO.: 2 OF 2
DATE: 09/01/21
PROJECT NO.: 21609100



- [1]** (1) REMOVE 8" PLUG W/2" BLOWOFF
(1) WET CONNECTION
- [2]** (1) 8"x6" TEE
- [3]** (1) FIRE HYDRANT
(1) FIRE HYDRANT RISER
(1) 6"x6" TEE
(2) 6" GATE VALVE & BOX
- [4]** (1) 6"x45" BEND W/ *MMJR
- [5]** (1) 6"x45" BEND W/ *MMJR
- [6]** (1) 12"x6" TAPPING SLEEVE (M.J.)
(1) 6" TAPPING VALVE & BOX
(1) WET CONNECTION
- [7]** (1) 8" GATE VALVE & BOX
- [8]** (1) 8" PLUG W/ 2" BLOWOFF
- [9]** (1) 8" GATE VALVE & BOX
(1) 8"x8" TEE
- [10]** (1) FIRE HYDRANT
(1) FIRE HYDRANT RISER
(1) 8"x6" TEE
(1) 6" GATE VALVE & BOX
(1) 8" GATE VALVE & BOX
- [11]** (1) 8"x45" BEND W/ *MMJR
- [12]** (1) 8"x45" BEND W/ *MMJR
- [13]** (1) 12"x8" TAPPING SLEEVE (M.J.)
(1) 8" TAPPING VALVE & BOX
(1) WET CONNECTION
- [14]** (1) 8" PLUG W/ 2" BLOWOFF
- [15]** (1) 8" GATE VALVE & BOX
- [16]** (1) 8"x8" TEE
- [17]** (1) REMOVE 8" PLUG W/2" BLOWOFF
(1) WET CONNECTION
- [18]** (1) FIRE HYDRANT
(1) FIRE HYDRANT RISER
(1) 8"x6" TEE
(1) 6" GATE VALVE & BOX
(1) 8" GATE VALVE & BOX
- [19]** (1) 8"x45" BEND W/ *MMJR
- [20]** (1) 8"x45" BEND W/ *MMJR
- [21]** (1) REMOVE 8" PLUG W/2" BLOWOFF
(1) WET CONNECTION



WHERE FILL MATERIAL IS INDICATED SUCH MATERIAL SHALL BE PLACED AND COMPACTED IN SIX (6) INCH LIFTS FOR HAND-TAMPED EQUIPMENT AND THIRTY (30) INCH LIFTS FOR POWER-DRIVEN EQUIPMENT TO 95% STANDARD PROCTOR DENSITY PRIOR TO TRENCHING.



MPE	MINIMUM PAD ELEVATION
SANITARY SEWER LINE	_____SS_____
PROP GROUND	_____
EX. & OF CONST.	_____ - - - -

CHICKASHA, GRADY COUNTY,
OKLAHOMA

Key Plan

[illegible]

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PROJECT NO: 21609100

ISSUE DATE: 09/01/21

CONTACT: JASON SPENCER

CHECKED BY _____

ISSUED FOR
CONSTRUCTION

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C-201

(A2) STA: 0+00.00 WATERLINE B=
STA: 1+62.00 WATERLINE A
CONST. (1) 8"x6" TEE
E=1163.64

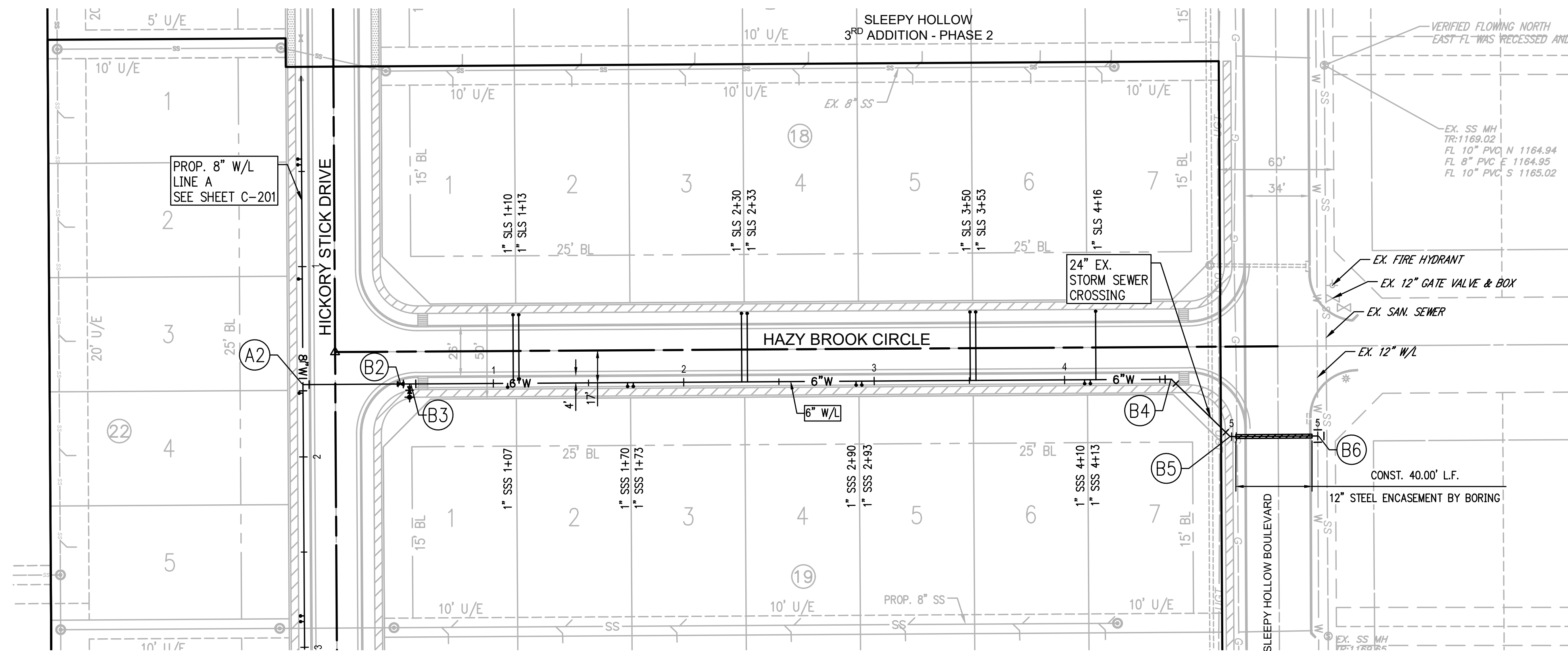
(B2) STA: 0+51.31 CONST.
(1) 6" GATE VALVE & BOX
E=1163.72

(B3) STA: 0+56.00 CONST.
(1) FIRE HYDRANT
(1) FIRE HYDRANT RISER
(1) 6"x6" TEE
(1) 6" GATE VALVE & BOX
E=1163.73

(B4) STA: 0+56.09 CONST.
(1) 6"x4.5" BEND
E=1164.82

(B5) STA: 0+99.23 CONST.
(1) 6"x4.5" BEND
E=1164.63

(B6) STA: 5+45.21 WATERLINE B=
STA: 0+12.89 EX WL N
CONST. (1) 12"x6" TAPPING SLEEVE
(1) 6" TAPPING VALVE & BOX
(1) WET CONNECTION
E=1164.60



NOTE:

WHERE FILL MATERIAL IS INDICATED SUCH MATERIAL SHALL BE PLACED AND COMPACTED IN SIX (6) INCH LIFTS FOR HAND-TAMPED EQUIPMENT AND THIRTY (30) INCH LIFTS FOR POWER-DRIVEN EQUIPMENT TO 95% STANDARD PROCTOR DENSITY PRIOR TO TRENCHING.

300 Pointe Parkway Boulevard
Yukon, Oklahoma 73099

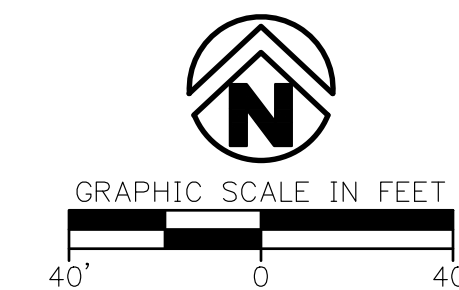
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CERTIFICATE OF AUTHORIZATION:
CA 973 (PE/LS) EXPIRES 6/30/2022

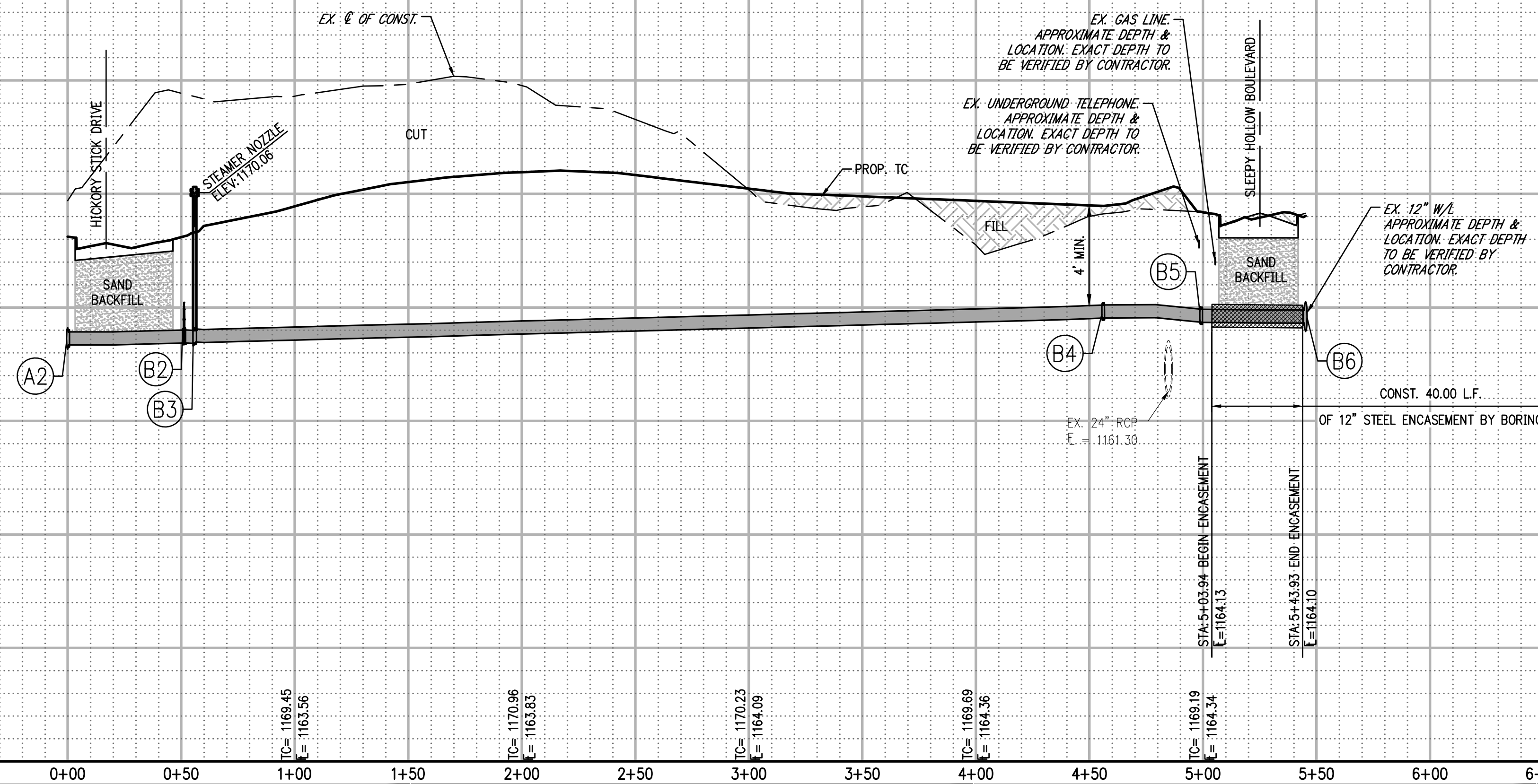
SLEEPY HOLLOW
3RD ADDITION
PHASE 3

CHICKASHA, GRADY COUNTY,
OKLAHOMA



WATERLINE B PLAN

WATERLINE B PROFILE
CONST. 545.21 L.F. OF 6" W/L
 SCALE: HORIZ: 1" = 40'
 VERT: 1" = 4'



LEGEND

MPE	MINIMUM PAD ELEVATION
SANITARY SEWER LINE	———SS———
PROP GROUND	—————
EX. & OF CONST.	——— - - - - -

Key Plan

[illegible]

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PROJECT NO: 21609100

ISSUE DATE: 09/01/21

CONTACT: JASON SPENCER

ISSUED FOR
CONSTRUCTION

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C-202

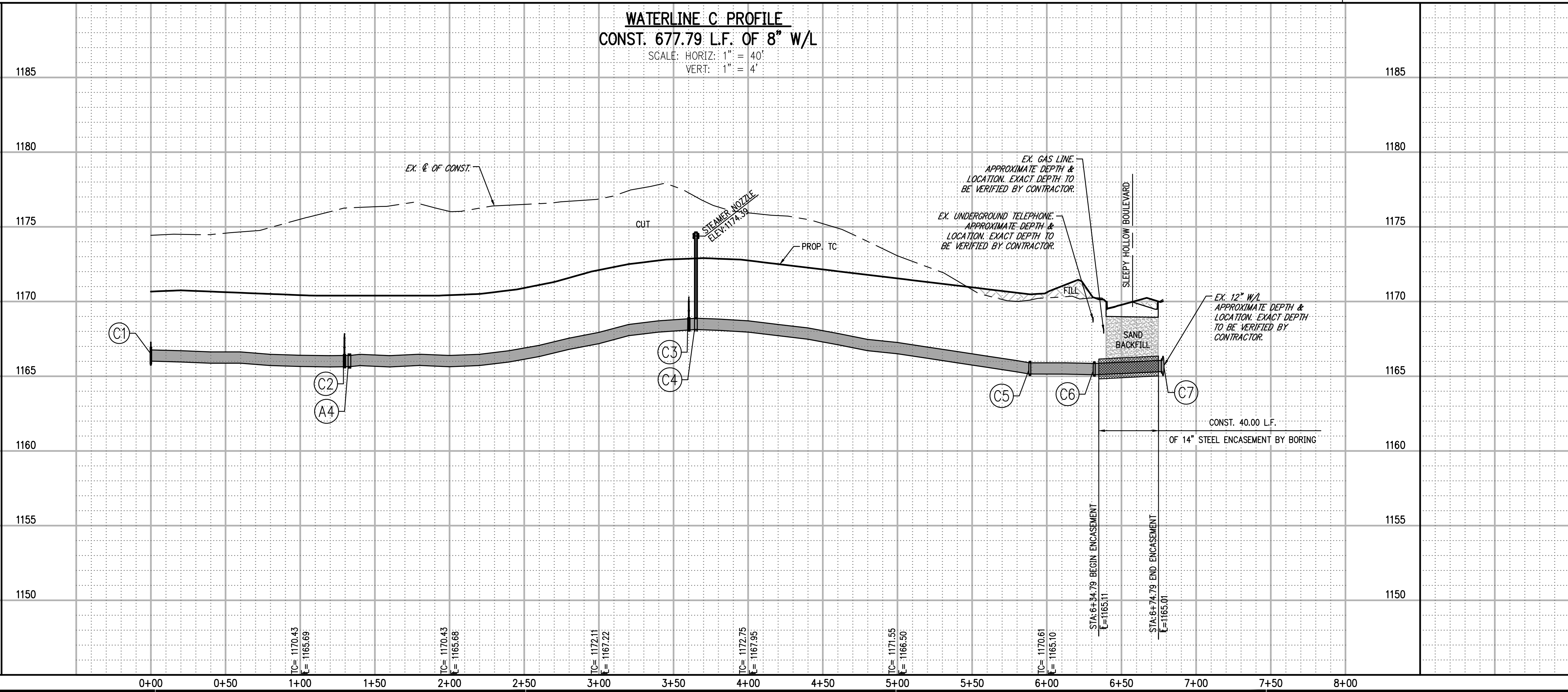
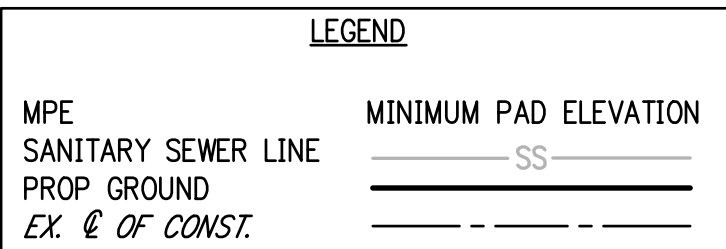
SLEEPY HOLLOW 3RD ADDITION PHASE 3
Page 102 of 318

WHERE FILL MATERIAL IS INDICATED SUCH MATERIAL SHALL BE PLACED AND COMPACTED IN SIX (6) INCH LIFTS FOR HAND-TAMPED EQUIPMENT AND THIRTY (30) INCH LIFTS FOR POWER-DRIVEN EQUIPMENT TO 95% STANDARD PROCTOR DENSITY PRIOR TO TRENCHING.

CHICKASHA, GRADY COUNTY,
OKLAHOMA



WATERLINE C PROFILE
CONST. 677.79 L.F. OF 8" W/L
 SCALE: HORIZ: 1" = 40'
 VERT: 1" = 4'

Key Plan[illegible]

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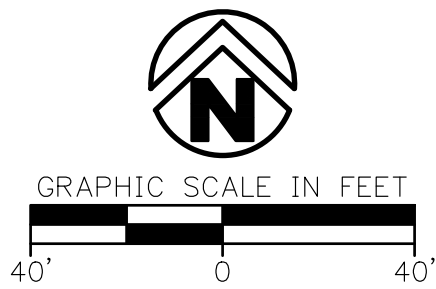
PROJECT NO: 21609100
ISSUE DATE: 09/01/21
CONTACT: JASON SPENCER
CHECKED BY:

ISSUED FOR
CONSTRUCTION

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C-203

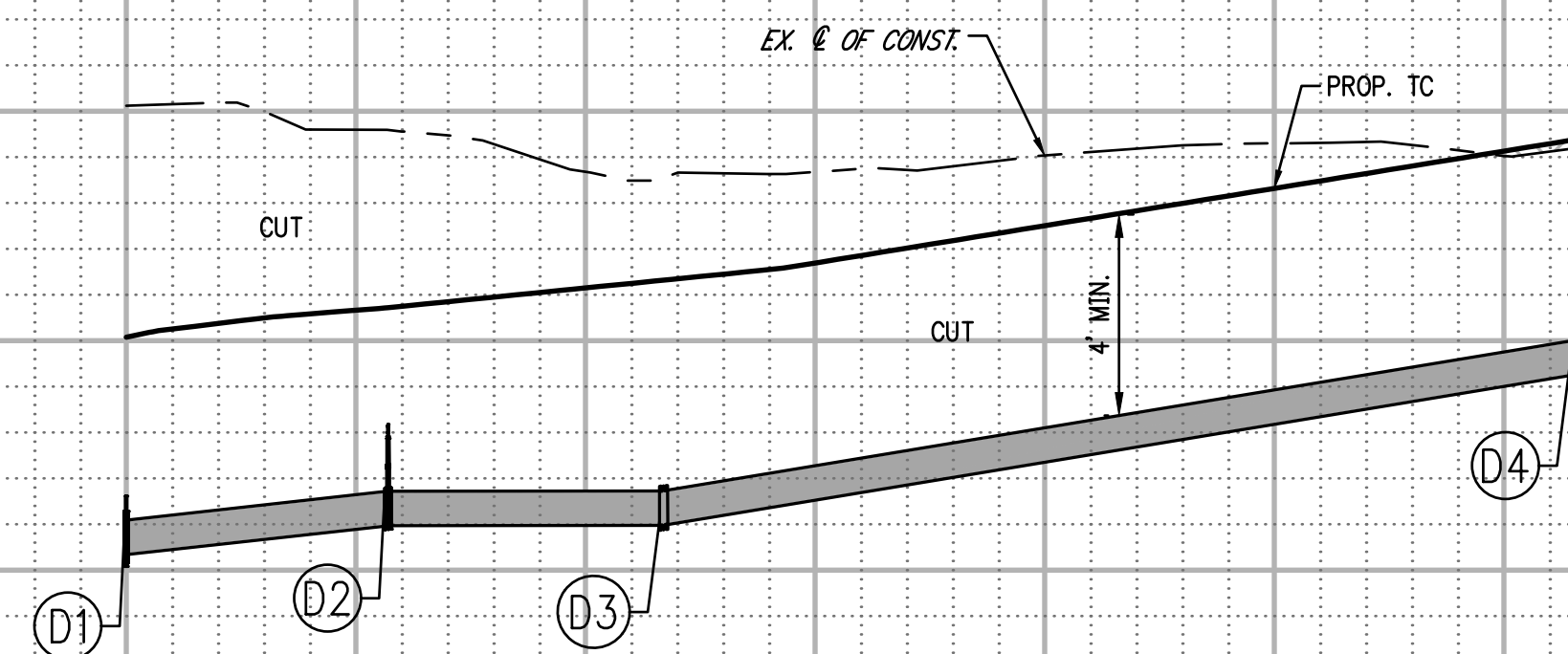
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LEGEND

MPE	MINIMUM PAD ELEVATION
SANITARY SEWER LINE	_____SS_____
PROP GROUND	=====
EX. @ OF CONST.	_____ - _____ - _____

SCALE: HORIZ: 1" = 40'
VERT: 1" = 4'



ITC=	1171.15
I=	1165.97
ITC=	1172.50
I=	1167.35
ITC=	1174.13
I=	1169.00

Key Plan

[illegible]

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PROJECT NO: 21609100

ISSUE DATE: 09/01/21

CONTACT: JASON SPENCER

CHECKED BY:

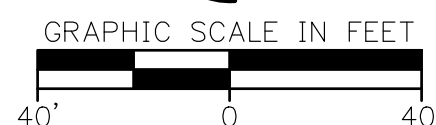
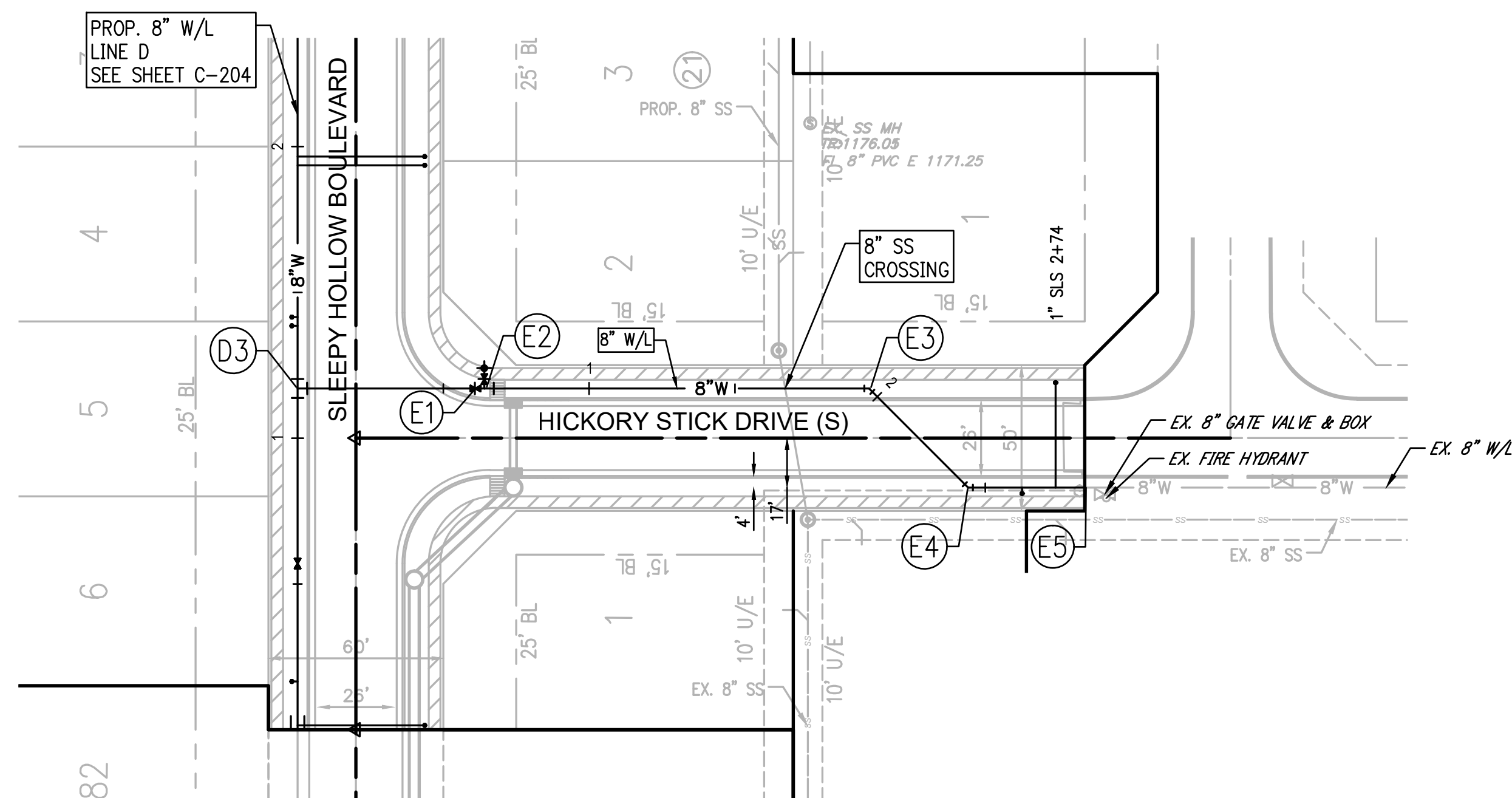
ISSUED FOR
CONSTRUCTION

© 2021 Crafton, Tull & Associates, Inc.

WATERLINE D

C-204

WHERE FILL MATERIAL IS INDICATED SUCH MATERIAL SHALL BE PLACED AND COMPACTED IN SIX (6) INCH LIFTS FOR HAND-TAMPED EQUIPMENT AND THIRTY (30) INCH LIFTS FOR POWER-DRIVEN EQUIPMENT TO 95% STANDARD PROCTOR DENSITY PRIOR TO TRENCHING.

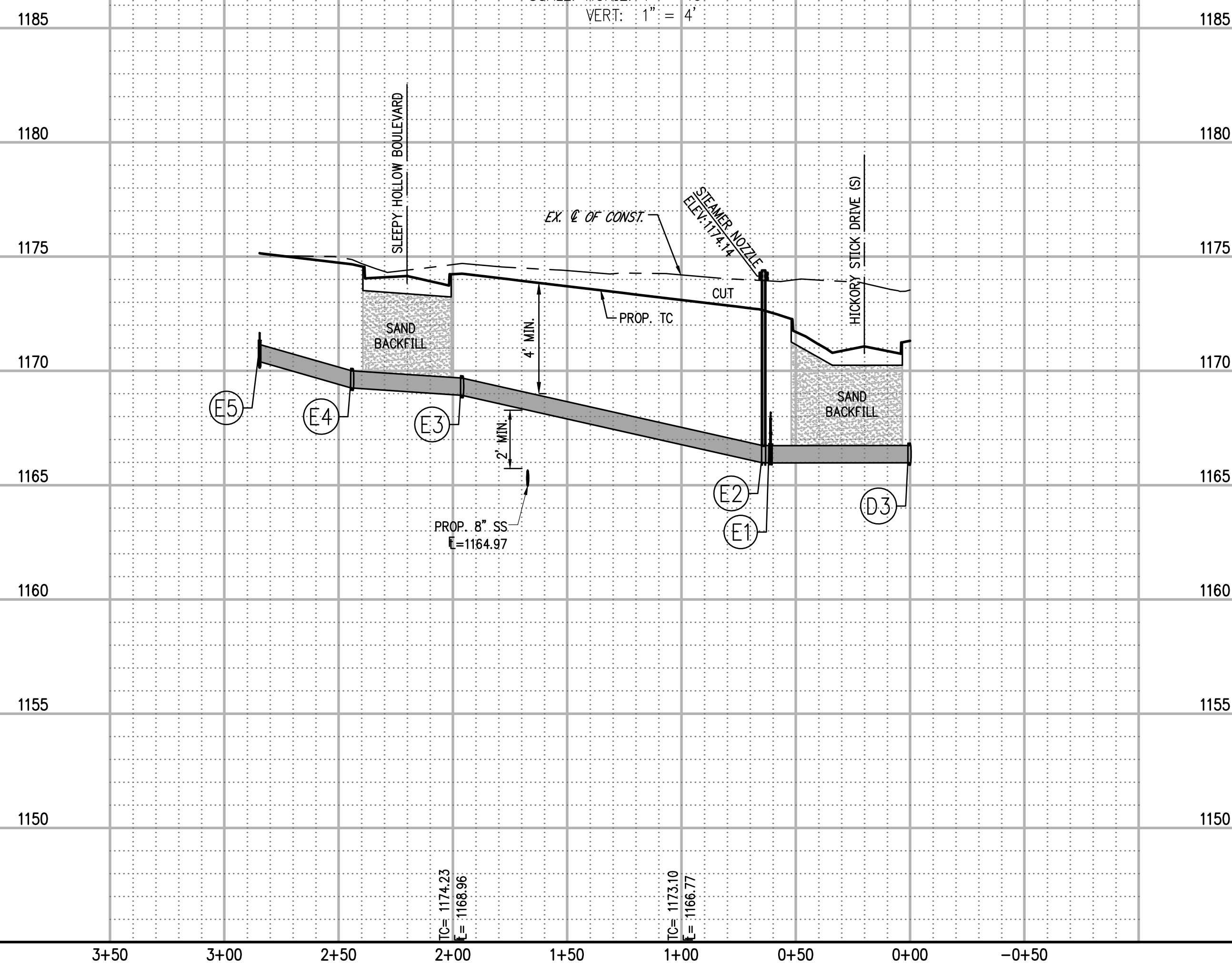


MPE
SANITARY SEWER LINE
PROP GROUND
EX. @ OF CONST.

MINIMUM PAD ELEVATION
____SS____

_____ - _____ - _____

SCALE:	HORIZ:	1" = 40'
	VERT:	1" = 4'



C-205

CHICKASHA, GRADY COUNTY,
OKLAHOMA

Key Plan

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PROJECT NO: 21609100

ISSUE DATE: 09/01/21

CONTACT: JASON SPENCER

CHECKED BY: _____

ISSUED FOR
CONSTRUCTION

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EROSION CONTROL PLAN

C-502

SLEEPY HOLLOW 3RD ADDITION PHASE 3
Page 107 of 318



GRAPHIC SCALE IN FEET

EROSION NOTES

 TPS TEMPORARY PARKING AND STORAGE

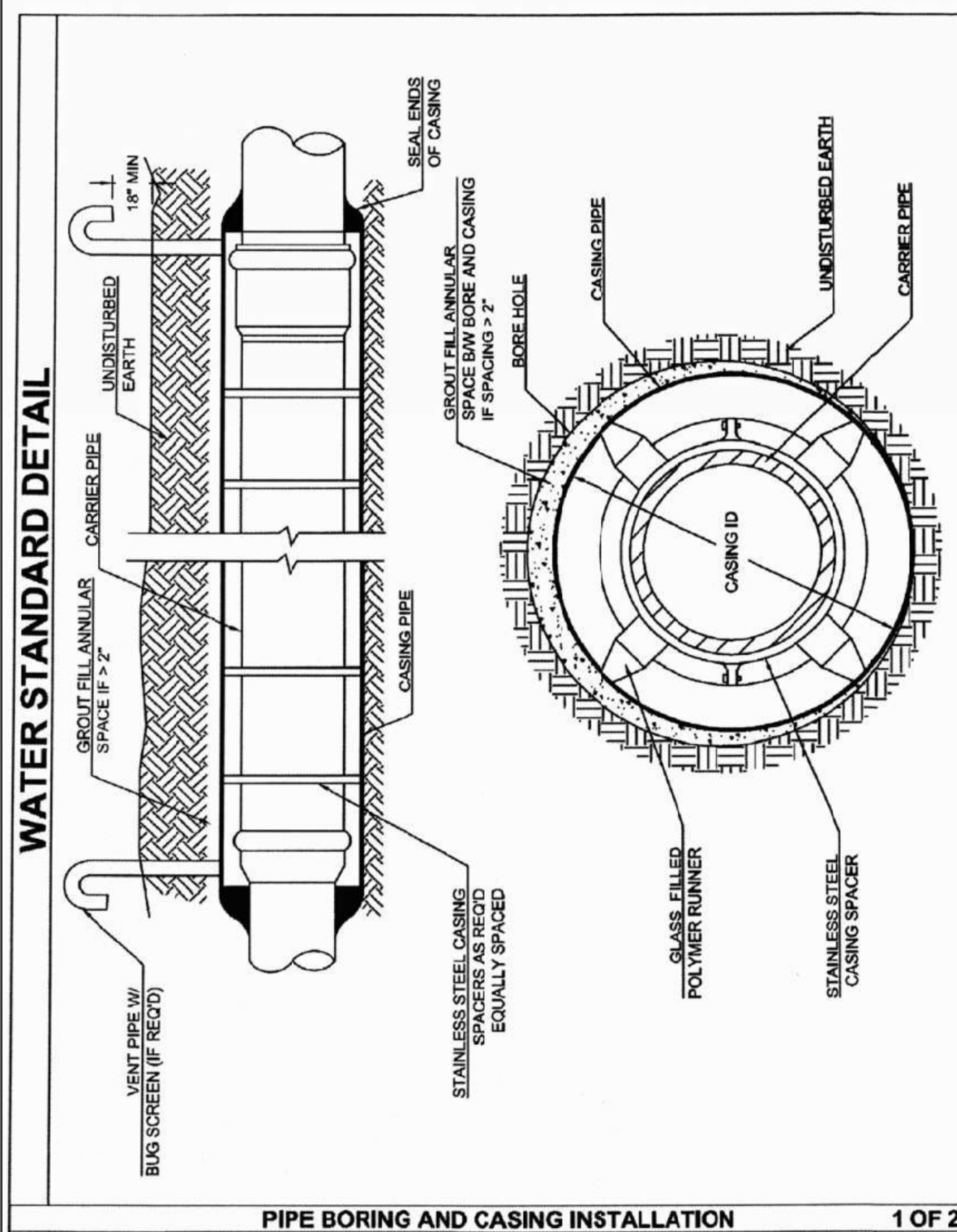
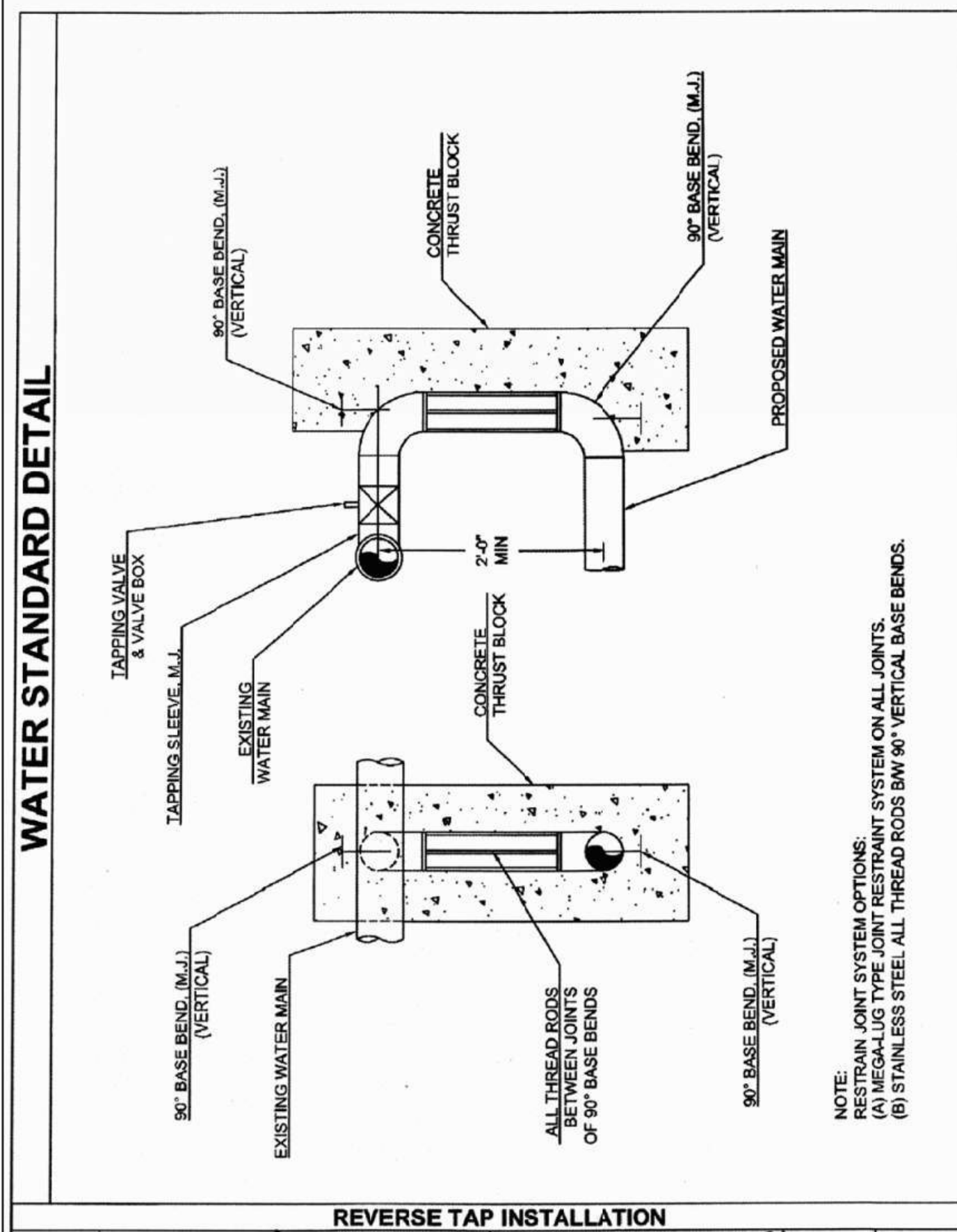
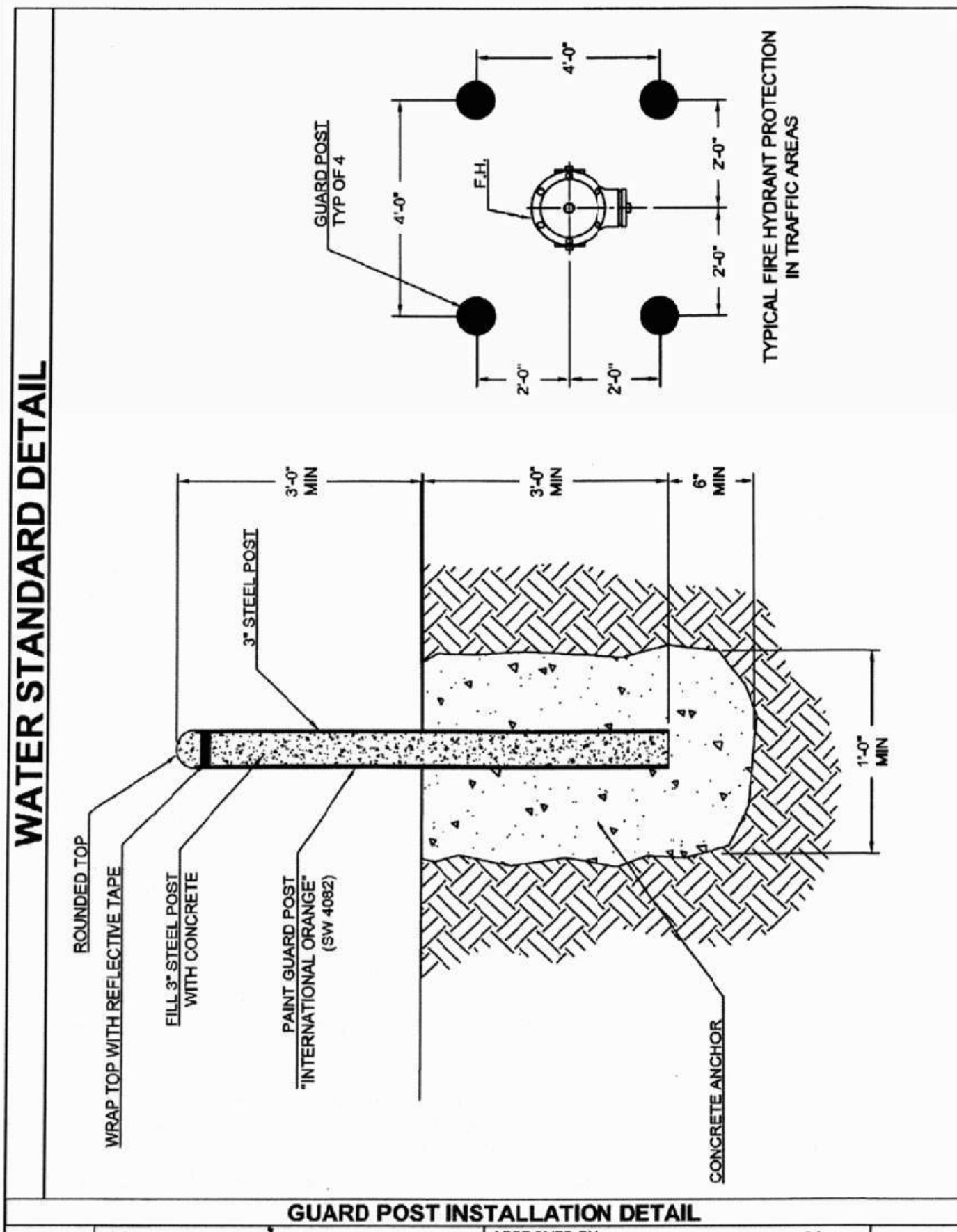
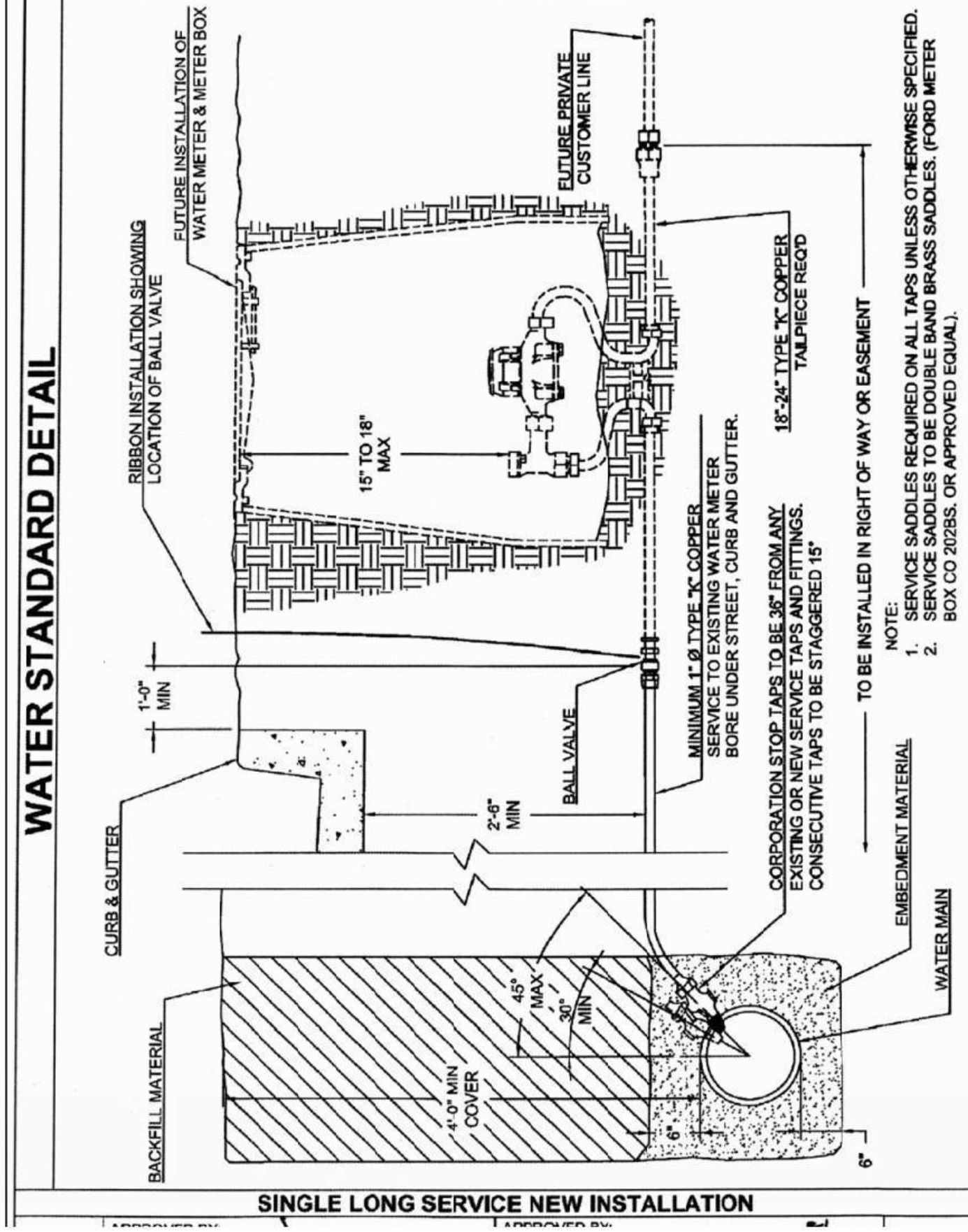
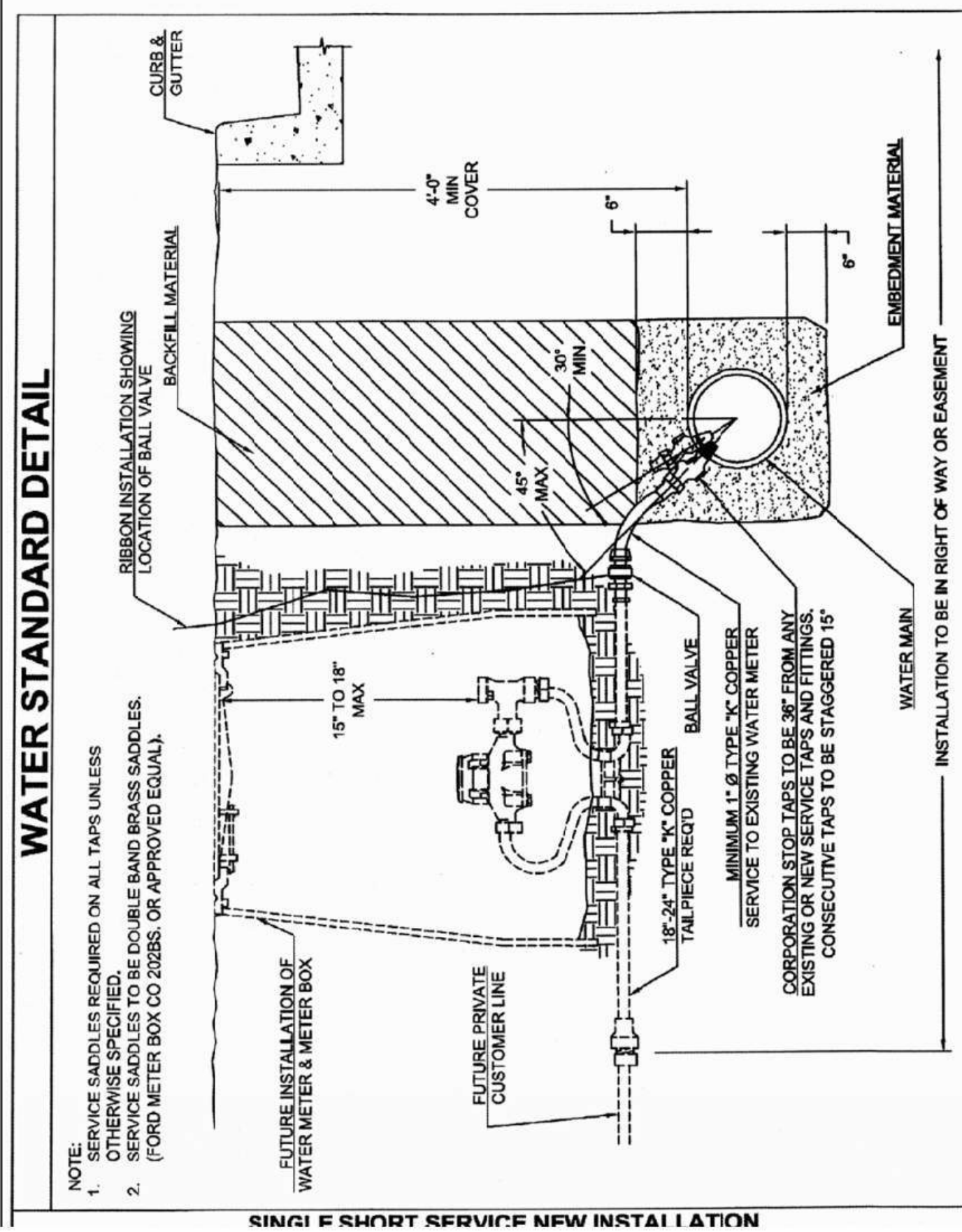
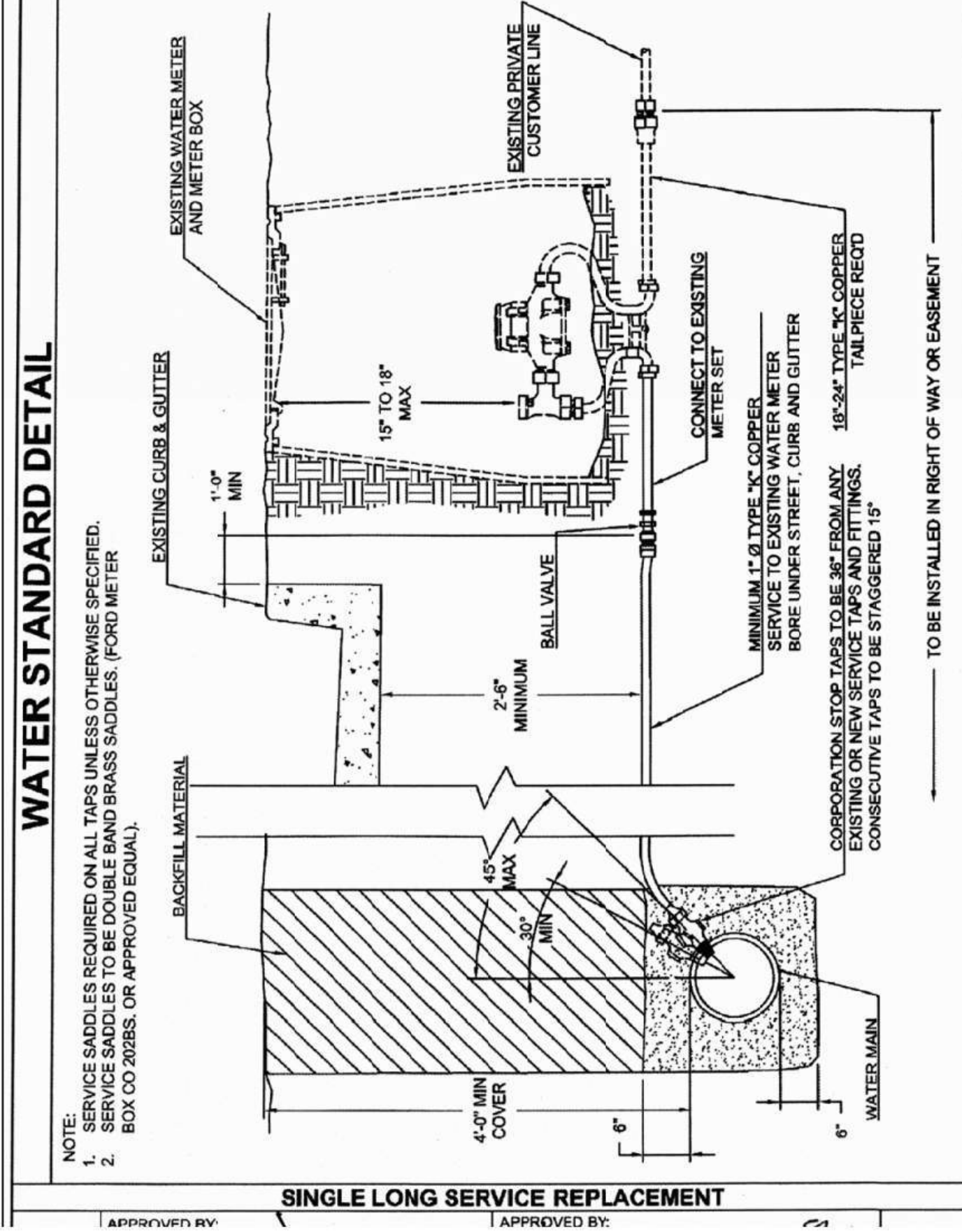
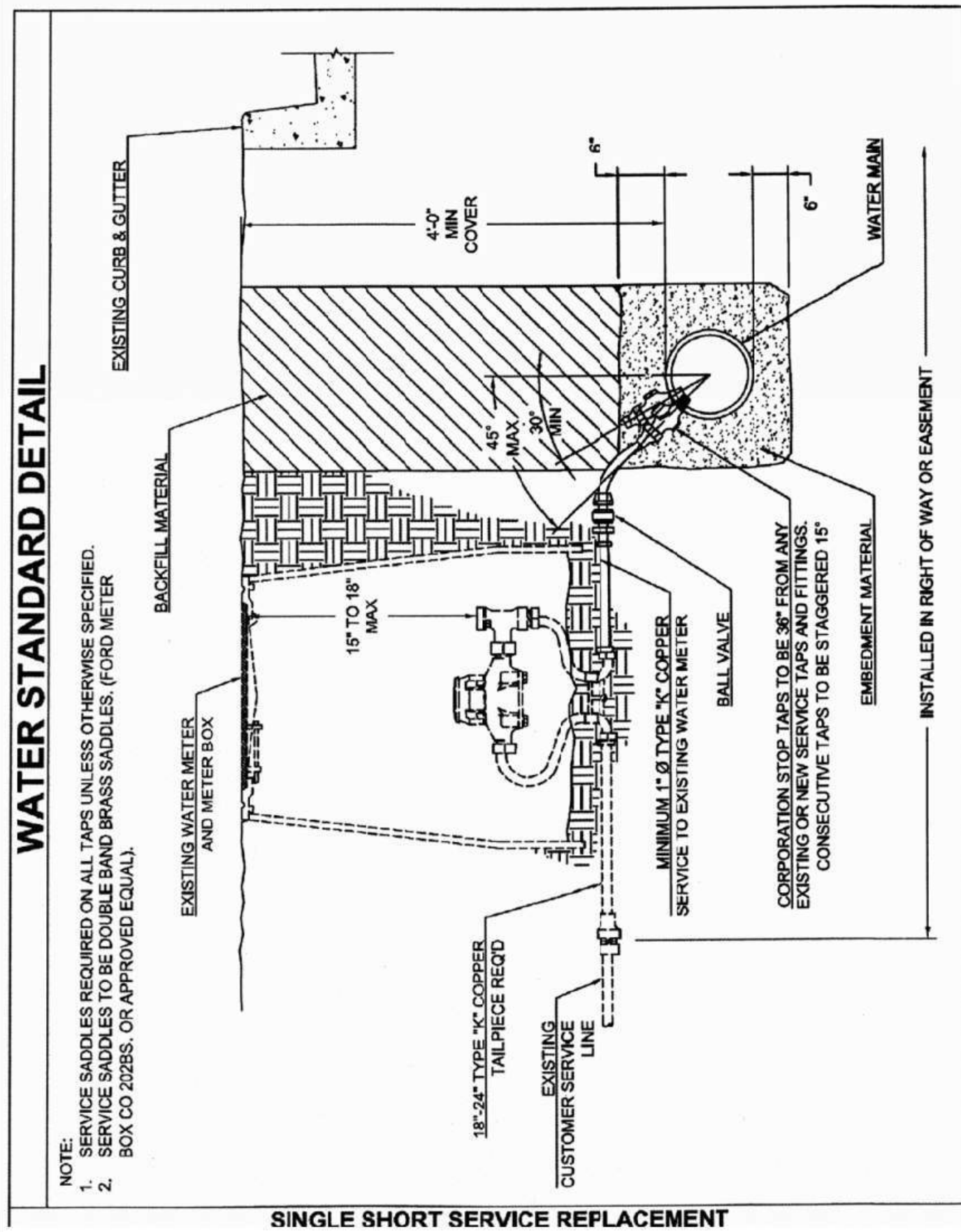
EROSION DETAILS

 ROCK CHECK DAM TEMPORARY STONE CONSTRUCTION EXIT

— SF — SILT FENCE EROSION BARRIER

LIMITS OF DISTURBANCE

NOTE: EROSION BARRIER MAY INCLUDE SILT FENCE, ROCK BAGS, TRIANGULAR SILT DIKE OR 50 FT. ESTABLISHED VEGETATIVE BARRIER.



WATER STANDARD DETAIL

TABLE 1
RECOMMENDED CASING SIZING

PIPE NOMINAL SIZE (INCHES)	SUGGESTED CARRIER PIPE INSIDE DIAMETER (INCHES)	PIPE NOMINAL SIZE (INCHES)	SUGGESTED CASING PIPE INSIDE DIAMETER (INCHES)
4	8 TO 10	20	28 TO 30
6	10 TO 12	24	31 TO 33
8	14 TO 16	30	36 TO 42
10	16 TO 18	36	42 TO 48
12	18 TO 20	42	54 TO 60
16	20 TO 22	48	60 TO 66
18	24 TO 26		

TABLE 2
CASING PIPE THICKNESS

Outside Diameter (Inches)	Under Highway		Under Railroad	
	Maximum Wall Thickness (Inches)	Minimum Wall Thickness (Inches)	Maximum Wall Thickness (Inches)	Minimum Wall Thickness (Inches)
≤ 12	0.1880	0.30	0.2500	0.2500
15	0.2500	0.30	0.3125	0.3125
18	0.2500	0.30	0.3125	0.3125
20	0.2500	0.30	0.3750	0.3750
24	0.2500	0.30	0.4375	0.4375
30	0.3220	0.30	0.5000	0.5000
36	0.3750	0.30	0.5625	0.5625
42	0.3750	0.25	0.5625	0.5625
48	0.4380	0.25	0.6250	0.6250

TABLE 3
CASING PIPE SIZE - STEEL CASING PIPE SHALL HAVE THE FOLLOWING MINIMUM DIAMETERS: SEE TABLE 1

TABLE 4
CASING PIPE THICKNESS - STEEL CASING PIPE SHALL HAVE THE FOLLOWING MINIMUM THICKNESSES: IN INCHES, FOR THE INDICATED MAXIMUM DEPTH OF COVER, IN FEET: SEE TABLE 2

TABLE 5
CASING MATERIAL - STEEL CASING PIPE SHALL CONFORM WITH ASTM A-139, STANDARD SPECIFICATION FOR F.P.F. RISEN (ARC) - WELDED STEEL PIPE. OTHER THAN NEW, CASING SHALL BE NEW, SMOOTH WALL, RIBBED STEEL, GRADE 8, WITH A MINIMUM TENSILE STRENGTH AND MINIMUM THIRTY-FIVE THOUSAND (35,000 PSI) POUNDS PER SQUARE INCH YIELD STRENGTH

PIPE BORING AND CASING INSTALLATION

WATER
STANDARD DETAILS

SCALE:
AS SHOWN

SHEET NUMBER
W-STD-03

NO. DATE DESCRIPTION

OWNER'S CERTIFICATE AND DEDICATION

KNOW ALL MEN BY THESE PRESENTS: That JYM INVESTMENTS, LLC, does hereby certify that they are the owners of and the only persons, firms or corporation having any rights, title, or interest in and to the land shown on the annexed plat and that they have caused the same to be surveyed and platted, and that they hereby dedicate all the streets and easements shown hereon to the public, for the purposes of streets, utilities, and drainage, for their heirs, executors, administrators, successors, and assign forever, and have caused the same to be released from all encumbrances so that the title is clear, except as shown in the abstractor's certificate.

IN WITNESS WHEREOF, the undersigned have caused this instrument to be executed this ____ day of _____, _____. Covenants, reservations, and restrictions for this addition are contained in a separate instrument.

JYM INVESTMENTS, LLC

Jalal Farzaneh, Manager

STATE OF OKLAHOMA)
)SS:
COUNTY OF CLEVELAND)

Before me, the undersigned Notary Public, in and for said County and State on this ____ day of _____, _____, personally appeared Jalal Farzaneh, to me known to be the identical person who executed the within and foregoing instrument, as a free and voluntary act and deed, for the uses and purposes herein set forth.

MY COMMISSION EXPIRES:
May 02, 2023

NOTARY PUBLIC, #11004011

LEGAL DESCRIPTION

A tract of land situate within a portion of the North Half (N/2) of Section Nine (9), Township Six North (T6N), Range Seven West (R7W) of the Indian Meridian (I.M.) in Chickasha, Grady County, Oklahoma, being more particularly described as follows:

BEGINNING at the Southeast corner of Lot 7, Block 16 of SLEEPY HOLLOW 3RD ADDITION, PHASE 1, according to the recorded plat thereof; thence

S00°21'17"E along the exterior boundary line of BLOCK 2, SLEEPY HOLLOW ADDITION, according to the recorded plat thereof, a distance of 600.00 feet to a point on the exterior boundary line of SECOND ADDITION, SLEEPY HOLLOW ADDITION, according to the recorded plat thereof; thence along said exterior boundary line the following Nine (9) courses:

1. S89°38'41"W a distance of 485.01 feet; thence
2. S00°21'17"E a distance of 120.00 feet; thence
3. S89°38'43"W a distance of 65.00 feet; thence
4. S00°21'17"E a distance of 180.00 feet; thence
5. S89°38'43"W a distance of 90.00 feet; thence
6. S00°21'17"E a distance of 125.00 feet; thence
7. S89°38'43"W a distance of 75.00 feet; thence
8. N45°21'17"W a distance of 35.36 feet; thence
9. S89°38'43"W a distance of 50.00 feet to a point on the exterior boundary line of SLEEPY HOLLOW 3RD ADDITION, PHASE 2 according to the recorded plat thereof; thence along said exterior boundary line the following Two (2) courses:

LAND SURVEYOR'S CERTIFICATE

I, DENVER WINCHESTER, do hereby certify that I am a PROFESSIONAL LAND SURVEYOR, and that the annexed plat represents a survey made under my direction, and that the monuments noted hereon actually exist and their positions are correctly shown.

DENVER WINCHESTER, PLS 1952

STATE OF OKLAHOMA)
)SS:
COUNTY OF OKLAHOMA)

Before me, the undersigned Notary Public, in and for said County and State on this ____ day of _____, _____, personally appeared DENVER WINCHESTER, to me known to be the identical person who executed the within and foregoing instrument, as a free and voluntary act and deed, for the uses and purposes herein set forth.

MY COMMISSION EXPIRES:
March 28, 2023

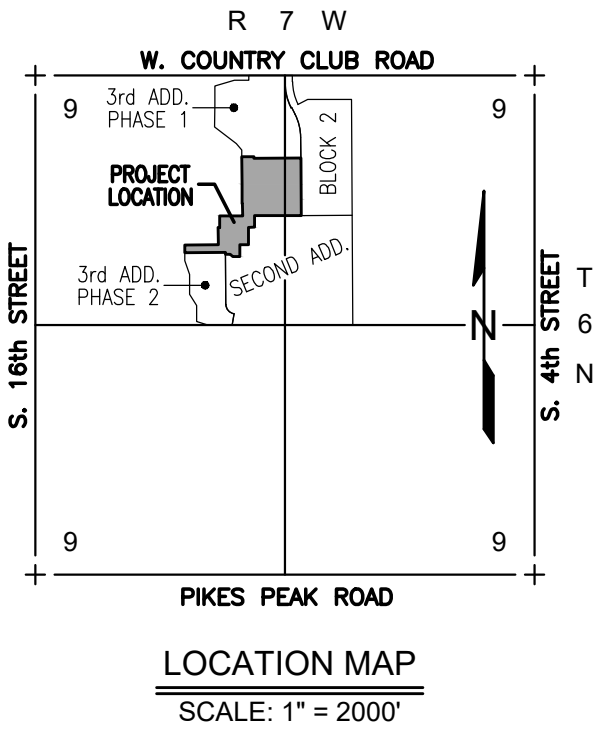
NOTARY PUBLIC, #03005138

CITY PLANNING COMMISSION APPROVAL

I, _____, Planning Director of the City of Chickasha, do certify that the Chickasha Planning Commission duly approved this plat on the ____ day of _____.

PLANNING DIRECTOR

FINAL PLAT
OF
SLEEPY HOLLOW 3RD ADDITION
PHASE 3
A PART OF THE N/2, SECTION 9, T6N, R7W, I.M.
CHICKASHA, GRADY COUNTY, OKLAHOMA



1. N00°21'17"W a distance of 20.00 feet; thence
2. S89°38'43"W a distance of 425.00 feet; thence

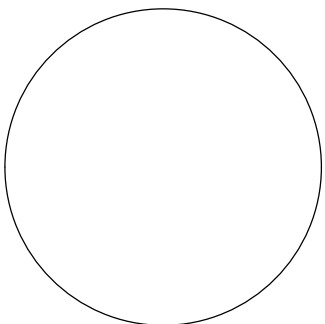
N00°21'17"W a distance of 80.00 feet; thence
N89°38'43"E a distance of 350.00 feet; thence
N00°21'17"W a distance of 180.00 feet; thence
N89°38'43"E a distance of 15.00 feet; thence
N00°21'17"W a distance of 120.00 feet; thence
N89°38'43"E a distance of 240.01 feet; thence
N00°21'17"W a distance of 125.01 feet; thence
S89°38'43"W a distance of 5.00 feet; thence
N00°21'17"W a distance of 490.00 feet to a point on the exterior boundary line of SLEEPY HOLLOW 3RD ADDITION, PHASE 1, according to the recorded plat thereof; thence along said exterior boundary line the following Three (3) courses:

1. N89°38'43"E a distance of 125.00 feet; thence
2. S00°21'22"E a distance of 15.00 feet; thence
3. N89°38'43"E a distance of 490.00 feet to the POINT OF BEGINNING.

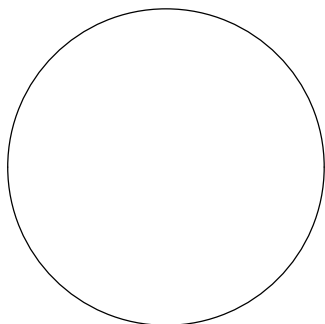
Said tract contains 521,940 Sq Ft or 11.98 Acres, more or less.



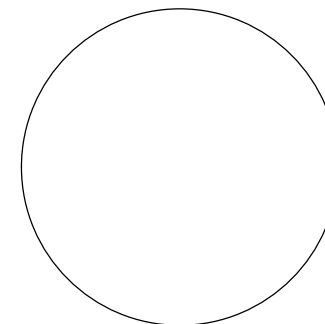
Owner's Notary Seal



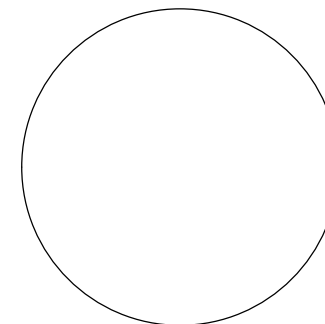
County Treasurer's Seal



Bonded Abstractor's Seal



City CORPORATE Seal



City Clerk Seal



Land Surveyor's Seal



Surveyor's Notary Seal

BONDED ABSTRACTOR'S CERTIFICATE

The undersigned, a duly qualified and lawful bonded abstractor of titles, in and for the County of GRADY, State of OKLAHOMA, hereby certifies that the records of said county show that the title to the land on the annexed plat is vested in JYM INVESTMENTS, LLC, that on the ____ day of _____, _____ there are no actions pending or judgements of any nature in any court or on file with the clerk of any court in said county and state against said land, or the owners thereof, and that the taxes are paid for the year _____, and prior years, that there are no outstanding tax sales certificates against said land, and no tax deeds are issued to any one person, that there are no liens, mortgages or other encumbrances of any kind against the land included in the annexed plat, except mortgages, mineral rights, water rights, and easements of record previously reserved, excepted or granted.

IN WITNESS WHEREOF, said bonded abstractor has caused this instrument to be executed this ____ day of _____, _____.

WASHITA VALLEY ABSTRACT COMPANY

VICE-PRESIDENT

COUNTY TREASURER'S CERTIFICATE

I, _____, do hereby certify that I am the duly elected, qualified and acting County Treasurer of GRADY COUNTY, STATE of OKLAHOMA, that the tax records of said County show all taxes are paid for the year _____, and prior years on the land shown on the annexed plat, that the required statutory security has been deposited in the office of the county treasurer, guaranteeing payment of the current years taxes.

IN WITNESS WHEREOF, said County Treasurer has caused this instrument to be executed at the CITY of CHICKASHA, OKLAHOMA, this ____ day of _____, _____.

COUNTY TREASURER

ACCEPTANCE OF DEDICATION OF CITY COUNCIL

Be it resolved by the Council of the CITY of CHICKASHA, OKLAHOMA, that the dedications shown on the annexed plat are hereby accepted, adopted by the Council of the CITY of CHICKASHA, OKLAHOMA, this ____ day of _____, _____.

ATTEST:

CITY CLERK

MAYOR

CERTIFICATE OF CITY CLERK

I, _____, City Clerk of the CITY of CHICKASHA, STATE of OKLAHOMA, hereby certify that I have examined the records of said City and find that all deferred payments or unmatured instalments upon special assessment have been paid in full and that there is no special assessment procedure now pending against the land shown on the annexed plat on this ____ day of _____, _____.

CITY CLERK

ADDRESSES

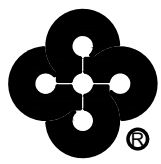
Any addresses shown on this plat were accurate at the time this plat was filed. Addresses are subject to change and should never be relied upon in place of legal description.

NOTES

1. This plat of survey meets the Oklahoma Minimum Standards for the Practice of Land Surveying as adopted by the Oklahoma State Board of Licensure for Professional Engineers and Land Surveyors and that said Final Plat complies with the requirements of Title 11, Section 41-108 of the Oklahoma State Statutes.
2. Monuments shall be as follows:
Magnetic Nail with Washer stamped "CTA CA973" for all Paved Surfaces or 3/8" Iron Rod with a Plastic Cap stamped "CTA CA973"
3. The term "Certify" or "Certification" and "Correct" as noted hereon and as it pertains to land surveying services as shown on this document shall mean, "a statement signed by the Professional Land Surveyor based on the facts and knowledge known to the Professional Land Surveyor at the time of the survey and is not a guarantee or warranty, either implied or expressed.
4. A title search was not conducted by a Certified Title Company. All documents were provided by the client/clients and/or researched by the Surveyor, and may be subject to record/unrecorded: easements, rights-of-way, covenants, building setback lines, subdivision restrictions, zoning, land regulations with an accurate title search may reveal.

FINAL PLAT
SLEEPY HOLLOW 3RD ADDITION PHASE 3

300 Points Parkway Blvd.
Yukon, Oklahoma 73099

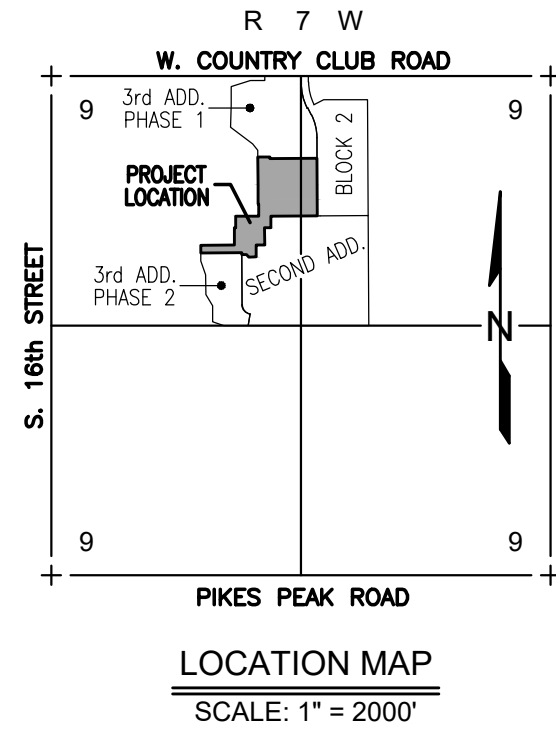


Crafton Tull
architecture | engineering | surveying
405.787.6270 | 405.787.6276 |
www.craftontull.com

SHEET NO.: 1 OF 2
DATE: 09/01/21
PROJECT NO.: 21609100

CERTIFICATE OF AUTHORIZATION:
CA 973 (PESS) EXPIRES 6/30/2023

A PART OF THE N/2, SECTION 9, T6N, R7W, I.M.
CHICKASHA, GRADY COUNTY, OKLAHOMA



LEGEND

ADDRESSES

Any addresses shown on this plat were accurate at the time this plat was filed. Addresses are subject to change and should never be relied upon in place of legal description.

NOTES

1. This plat of survey meets the Oklahoma Minimum Standards for the Practice of Land Surveying as adopted by the Oklahoma State Board of Licensure for Professional Engineers and Land Surveyors and that said Final Plat complies with the requirements of Title 11, Section 41-108 of the Oklahoma State Statutes.
2. Monuments shall be as follows:
Magnetic Nail with Washer stamped "CTA CA973" for all Paved Surfaces or
3/8" Iron Rod with a Plastic Cap stamped "CTA CA973"
3. The term "Certify" or "Certification" and "Correct" as noted hereon and as it pertains to land surveying services as shown on this document shall mean, "a statement signed by the Professional Land Surveyor based on the facts and knowledge known to the Professional Land Surveyor at the time of the survey and is not a guarantee or warranty, either implied or expressed.
4. A title search was not conducted by a Certified Title Company. All documents were provided by the client/clients and/or researched by the Surveyor, and may be subject to record/unrecorded: easements, rights-of-way, covenants, building setback lines, subdivision restrictions, zoning, land regulations with an accurate title search may reveal.

FINAL PLAT SLEEPY HOLLOW 3RD ADDITION PHASE 3	
300 Pointe Parkway Blvd. Yukon, Oklahoma 73099	SHEET NO.: 2 OF 2 DATE: 09/01/21 PROJECT NO.: 21609100
 Craffton Tull architecture | engineering | surveying 405.787.6270 | 405.787.6276 f www.crafftontull.com CERTIFICATE OF AUTHORIZATION: CA 973 EXPIRES 6/30/2022	

September 1, 2021

DRAINAGE REPORT

Prepared for:

Sleepy Hollow 3rd Addition, Phase 3

Submitted to:

City of Chickasha
117 N. 4th Street
Chickasha, OK 73018

CT JOB NO. 216091-00



Crafton Tull

Prepared by:  **Crafton Tull**

300 Pointe Parkway Boulevard | Yukon, OK 73099 | 405-787-6270 | www.craftontull.com



INDEX

Written Report

- 1.1 Project Description & Location
- 1.2 Drainage Design
- 1.3 Conclusion

Appendix A

Drainage Calculation Worksheets

Attachments

Drainage Map
Approved Drainage Report for 3rd Addition Phase 1

1.1 PROJECT DESCRIPTION & LOCATION:

The following is the Drainage Report for the proposed residential development of Sleepy Hollow 3rd Addition, Phase 3. Sleepy Hollow is located with the North Half (N/2) of Section Nine (9), Township (6) North, Range Seven (7) West, of the Indian Meridian (I.M.), Chickasha, Grady County, Oklahoma (South of W. Country Club Road between S. 16th Street and S. 4th Street).

1.2 DRAINAGE DESIGN

The Rational Method was used for calculating the peak flow for the developed conditions for the 2-year through 100-year storm events.

Under historic conditions, a ridge splits the site into two drainage basins, East Basin and West Basin. The runoff from the East basin, drains from west to east towards the existing portion of Sleepy Hollow Boulevard. After collecting in Sleepy Hollow Boulevard, the runoff drains north before entering an existing storm sewer system that discharges into Congo Creek Middle Branch. The runoff from the West Basin, drains from east to west towards Congo Creek Middle Branch.

Under developed conditions, drainage patterns will follow the historic conditions, discussed above. A Flood Study of Congo Creek Middle Branch was performed, and approved, with Sleepy Hollow 3rd Addition Phase 1. Said approved Flood Study was used to determine the urbanized 100-year water surface elevation of Congo Creek Middle Branch adjacent to the Sleepy Hollow development.

A storm sewer system is proposed with this phase of Sleepy Hollow to insure that all streets can convey the 100-year storm event flows for both the proposed and future phases of Sleepy Hollow 3rd Addition. Refer to Appendix A for drainage/street capacity calculations. Storm Sewer A consists of two D-2-3 curb inlets, a 24" reinforced concrete pipe (RCP) under Hickory Stick Drive, and a 36" RCP outfall.

1.3 CONCLUSION

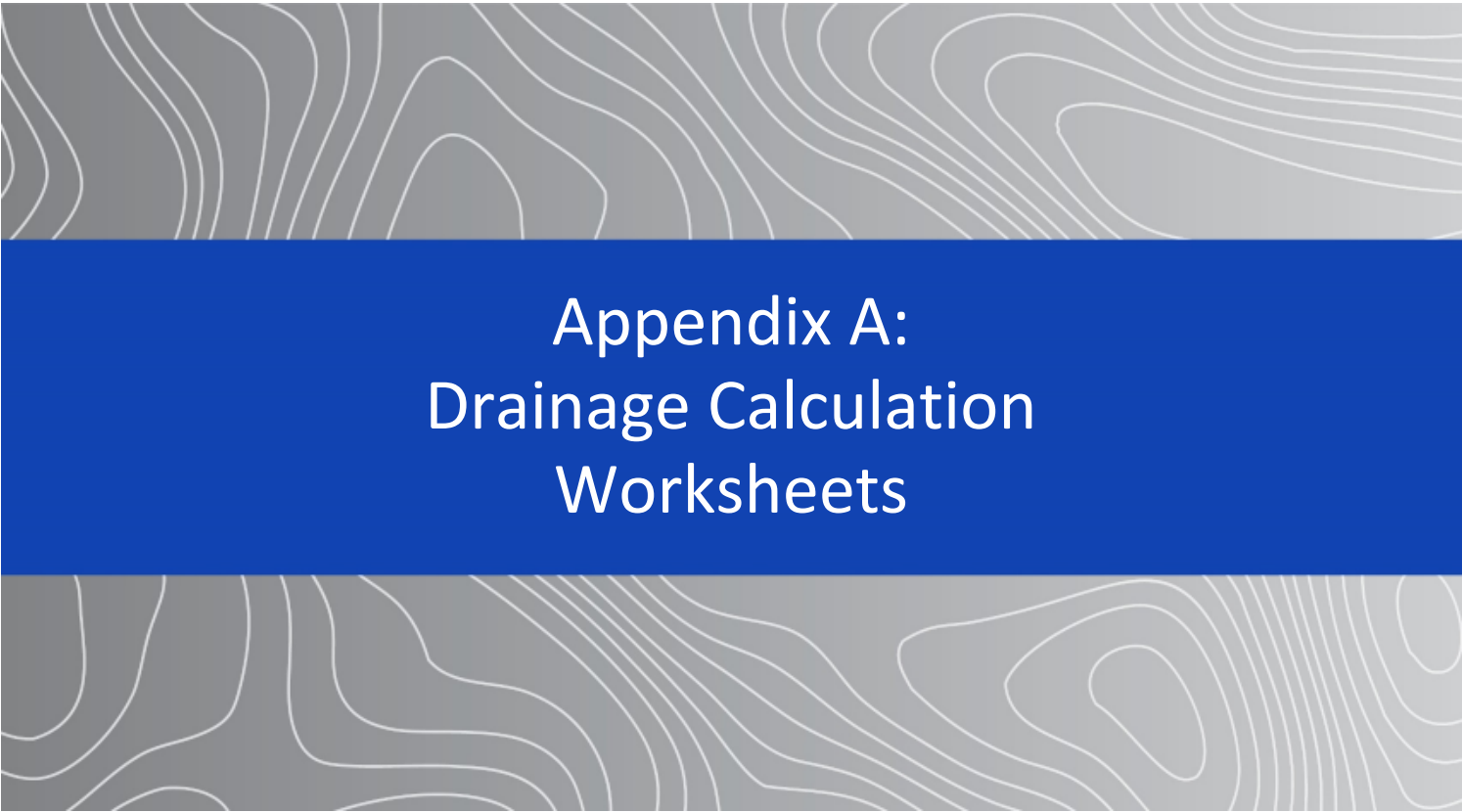
The entirety of Sleepy Hollow 3rd Addition, both proposed and future phases, are at least 1 foot above the 100-year water surface elevation of Congo Creek Middle Branch and there is no proposed disturbance within FEMA regulated floodway.

All drainage design and computations were performed in accordance with the City of Chickasha Drainage Ordinance. Appendix A (Drainage Calculation Worksheets) is included in this report for reference.

Date: September 1, 2021

Prepared by: Christian Hagen, E.I.

Reviewed by: Jason A. Spencer, P.E.



Appendix A: Drainage Calculation Worksheets

DRAINAGE TO POINT A (PROPOSED STREET CAPACITY - HICKORY STRICK DRIVE)

DRAINAGE BASIN

Total Area = 4.55 Acres

TIME OF CONCENTRATION (T_c):

OVERLAND

Length = 232.00 ft.
 Elevation up = 1174.68 ft.
 Elevation down = 1170.00 ft.
 Slope = 0.020 ft./ft.
 K = 1
 $T_c = K(L^{.37}/S^{.20}) = 16.38 \text{ min.}$

CHANNEL FLOW

X = 0.0035 (Curbed Street)
 Length = 535 ft.
 Elevation up = 1170.00 ft.
 Elevation down = 1166.55 ft.
 Slope = 0.006 ft./ft.
 $T_c = X(L^2/S)^{.385} = 3.08 \text{ min.}$
Total T_c 19.46 min.

INTENSITY (IDF CURVE)

	$I = A/(B+T_c)^E$					
	A	B	E	T_c	I	
2 YR	53.00	10.00	0.82	19.46	3.31	"/hr.
5 YR	64.00	12.00	0.79	19.46	4.20	"/hr.
10 YR	74.00	12.00	0.79	19.46	4.85	"/hr.
25 YR	93.00	15.00	0.79	19.46	5.68	"/hr.
50 YR	104.00	15.00	0.79	19.46	6.35	"/hr.
100 YR	108.00	15.00	0.77	19.46	7.07	"/hr.

ESTIMATED DISCHARGE VALUES

D.A. 1 A C AxC
 4.55 0.70 3.19
 $C = (AxC)/TOTAL$ 0.70
USE C= 0.70

$Q_2 = 10.54 \text{ cfs}$
 $Q_5 = 13.37 \text{ cfs}$
 $Q_{10} = 15.46 \text{ cfs}$
 $Q_{25} = 18.08 \text{ cfs}$
 $Q_{50} = 20.22 \text{ cfs}$
 $Q_{100} = 22.53 \text{ cfs}$

CAPACITY OF 26' STREET W/6" CURB @ MIN. GRADE OF 0.40%

$n = 0.013$
 $A = 9.47 \text{ ft}^2$
 $W_p = 27.06 \text{ ft}$
 $R_h = 0.35 \text{ ft}$
 Slope = 0.4 %
 $Q_{\text{capacity}} = 33.90 \text{ cfs} > Q_{100}$

DRAINAGE TO POINT B (EXISTING STORM SEWER A - ON GRADE)

DRAINAGE BASIN

Total Area = 6.19 Acres

TIME OF CONCENTRATION (T_c):

OVERLAND

Length = 232.00 ft.
 Elevation up = 1174.68 ft.
 Elevation down = 1170.00 ft.
 Slope = 0.020 ft./ft.
 K = 1
 $T_c = K(L^{.37}/S^{.20}) = 16.38 \text{ min.}$

CHANNEL FLOW

X = 0.0035 (Curbed Street)
 Length = 807 ft.
 Elevation up = 1170.00 ft.
 Elevation down = 1164.98 ft.
 Slope = 0.006 ft./ft.
 $T_c = X(L^2/S)^{.385} = 4.28 \text{ min.}$
Total T_c 20.66 min.

INTENSITY (IDF CURVE)

$$I = A/(B+T_c)^E$$

	A	B	E	T_c	I	
2 YR	53.00	10.00	0.82	20.66	3.20	"/hr.
5 YR	64.00	12.00	0.79	20.66	4.07	"/hr.
10 YR	74.00	12.00	0.79	20.66	4.71	"/hr.
25 YR	93.00	15.00	0.79	20.66	5.52	"/hr.
50 YR	104.00	15.00	0.79	20.66	6.18	"/hr.
100 YR	108.00	15.00	0.77	20.66	6.89	"/hr.

ESTIMATED DISCHARGE VALUES

	A	C	AxC
D.A. 1	4.55	0.70	3.19
D.A. 2	1.64	0.70	1.15
C = (AxC)/TOTAL			0.70
USE C= 0.70			

$Q_2 = 13.87 \text{ cfs}$
 $Q_5 = 17.66 \text{ cfs}$
 $Q_{10} = 20.41 \text{ cfs}$
 $Q_{25} = 23.93 \text{ cfs}$
 $Q_{50} = 26.77 \text{ cfs}$
 $Q_{100} = 29.86 \text{ cfs}$

CAPACITY OF 26' STREET W/6" CURB @ MIN. GRADE OF 0.40%

n = 0.013
 A = 9.47 ft²
 Wp = 27.06 ft
 Rh = 0.35 ft
 Slope = 0.4 %
 $Q_{\text{capacity}} = 33.90 \text{ cfs} > Q_{100}$

DRAINAGE TO POINT B - CONTINUED

CAPACITY OF EXISTING (2) D-2-2 INLETS

Q_{capacity} D-2-2 INLET=	18.20 cfs
Q_{capacity} D-2-2 INLET=	18.20 cfs
Total Q_{capacity} =	36.40 cfs > Q_{10}

CAPACITY OF EXISTING 24" RCP

n =	0.013	
D=	2 ft	24 in. (or equivalent)
A =	3.14 ft ²	
Wp =	6.28 ft	
Rh =	0.50 ft	
Slope =	1 %	
# OF PIPES	1	
Q_{capacity} =	22.56 cfs > D-2-2 Inlet Capacity	

CAPACITY OF EXISTING 30" RCP

n =	0.013	
D=	2.5 ft	30 in. (or equivalent)
A =	4.91 ft ²	
Wp =	7.85 ft	
Rh =	0.63 ft	
Slope =	1 %	
# OF PIPES	1	
Q_{capacity} =	40.93 cfs > Q_{100}	

DRAINAGE TO POINT C (EXISTING STORM SEWER B - AT SUMP)

DRAINAGE BASIN

Total Area = 11.69 Acres

TIME OF CONCENTRATION (T_c):

OVERLAND

Length = 232.00 ft.
 Elevation up = 1174.68 ft.
 Elevation down = 1170.00 ft.
 Slope = 0.020 ft./ft.
 K = 1
 $T_c = K(L^{.37}/S^{.20}) = 16.38 \text{ min.}$

CHANNEL FLOW

X = 0.0035 (Curbed Street)
 Length = 1434 ft.
 Elevation up = 1170.00 ft.
 Elevation down = 1159.51 ft.
 Slope = 0.007 ft./ft.
 $T_c = X(L^2/S)^{.385} = 6.26 \text{ min.}$
Total T_c 22.64 min.

INTENSITY (IDF CURVE)

	A	$I = A/(B+T_c)^E$			T_c	I	
		B	E				
2 YR	53.00	10.00	0.82	22.64	3.04	"/hr.	
5 YR	64.00	12.00	0.79	22.64	3.89	"/hr.	
10 YR	74.00	12.00	0.79	22.64	4.50	"/hr.	
25 YR	93.00	15.00	0.79	22.64	5.29	"/hr.	
50 YR	104.00	15.00	0.79	22.64	5.92	"/hr.	
100 YR	108.00	15.00	0.77	22.64	6.61	"/hr.	

ESTIMATED DISCHARGE VALUES

	<u>A</u>	<u>C</u>	<u>AxC</u>
D.A. 1	4.55	0.70	3.19
D.A. 2	1.64	0.70	1.15
D.A. 3	5.50	0.70	3.85
C = (AxC)/TOTAL			0.70
USE C= 0.70			

		<u>Q OFF @ B</u>	<u>Q REMAINING</u>
$Q_2 =$	24.88 cfs	13.87 cfs	11.01 cfs
$Q_5 =$	31.83 cfs	17.66 cfs	14.17 cfs
$Q_{10} =$	36.80 cfs	20.41 cfs	16.39 cfs
$Q_{25} =$	43.31 cfs	23.93 cfs	19.38 cfs
$Q_{50} =$	48.43 cfs	26.77 cfs	21.67 cfs
$Q_{100} =$	54.08 cfs	29.86 cfs	24.23 cfs

CAPACITY OF 26' STREET W/6" CURB @ MIN. GRADE OF 0.40%

n = 0.013
 A = 9.47 ft²
 Wp = 27.06 ft
 Rh = 0.35 ft
 Slope = 0.4 %
 $Q_{\text{capacity}} = 33.90 \text{ cfs} > Q_{100}$

DRAINAGE TO POINT C - CONTINUED

CAPACITY OF EXISTING (1) D-2-4 INLET

$Q_{\text{capacity D-2-4 INLET}} = 28.20 \text{ cfs}$
 $\text{Total } Q_{\text{capacity}} = 28.20 \text{ cfs} > Q_{100}$

CAPACITY OF EXISTING 24" RCP

$n = 0.013$
 $D = 2 \text{ ft}$ 24 in. (or equivalent)
 $A = 3.14 \text{ ft}^2$
 $W_p = 6.28 \text{ ft}$
 $R_h = 0.50 \text{ ft}$
 $\text{Slope} = 2 \%$
 $\# \text{ OF PIPES} = 1$
 $Q_{\text{capacity}} = 31.90 \text{ cfs} > Q_{100}$

CAPACITY OF EXISTING CONCRETE FLUME

$n = 0.013$	
Width = 4 ft	<u>Q REMAINING</u>
Depth = 0.5 ft	$Q_2 = 0 \text{ cfs}$
$A = 2.00 \text{ ft}^2$	$Q_5 = 0 \text{ cfs}$
$W_p = 5.00 \text{ ft}$	$Q_{10} = 0 \text{ cfs}$
$R_h = 0.40 \text{ ft}$	$Q_{25} = 0 \text{ cfs}$
$\text{Slope} = 1 \%$	$Q_{50} = 0 \text{ cfs}$
$Q_{\text{capacity}} = 12.37 \text{ cfs} > Q_{100}$	$Q_{100} = 0 \text{ cfs}$

DRAINAGE TO POINT D (PROPOSED STREET CAPACITY - HAZY BROOK CIRCLE)

DRAINAGE BASIN

Total Area = 2.02 Acres

TIME OF CONCENTRATION (T_c):

OVERLAND

Length = 172.00 ft.
 Elevation up = 1174.47 ft.
 Elevation down = 1170.40 ft.
 Slope = 0.024 ft./ft.
 K = 1
 $T_c = K(L^{.37}/S^{.20}) = 14.20 \text{ min.}$

CHANNEL FLOW

X = 0.0035 (Curbed Street)
 Length = 233 ft.
 Elevation up = 1170.40 ft.
 Elevation down = 1168.75 ft.
 Slope = 0.007 ft./ft.
 $T_c = X(L^2/S)^{.385} = 1.57 \text{ min.}$
Total T_c 15.77 min.

INTENSITY (IDF CURVE)

	$I = A/(B+T_c)^E$					
	A	B	E	T_c	I	
2 YR	53.00	10.00	0.82	15.77	3.69	"/hr.
5 YR	64.00	12.00	0.79	15.77	4.63	"/hr.
10 YR	74.00	12.00	0.79	15.77	5.36	"/hr.
25 YR	93.00	15.00	0.79	15.77	6.21	"/hr.
50 YR	104.00	15.00	0.79	15.77	6.94	"/hr.
100 YR	108.00	15.00	0.77	15.77	7.72	"/hr.

ESTIMATED DISCHARGE VALUES

D.A. 4 A C AxC
 2.02 0.70 1.41
 $C = (AxC)/TOTAL$ 0.70
USE C= 0.70

$Q_2 = 5.22 \text{ cfs}$
 $Q_5 = 6.55 \text{ cfs}$
 $Q_{10} = 7.57 \text{ cfs}$
 $Q_{25} = 8.78 \text{ cfs}$
 $Q_{50} = 9.82 \text{ cfs}$
 $Q_{100} = 10.92 \text{ cfs}$

CAPACITY OF 26' STREET W/6" CURB @ MIN. GRADE OF 0.40%

n = 0.013
 A = 9.47 ft²
 Wp = 27.06 ft
 Rh = 0.35 ft
 Slope = 0.4 %
 $Q_{capacity} = 33.90 \text{ cfs} > Q_{100}$

DRAINAGE TO POINT E (PROPOSED STREET CAPACITY - SHADY MEADOW WAY)**DRAINAGE BASIN**

Total Area = 1.28 Acres

TIME OF CONCENTRATION (T_c):**OVERLAND**

Length = 137.00 ft.
Elevation up = 1176.69 ft.
Elevation down = 1172.00 ft.
Slope = 0.034 ft./ft.
K = 1
 $T_c = K(L^{.37}/S^{.20}) = 12.13 \text{ min.}$

CHANNEL FLOW

X = 0.0035 (Curbed Street)
Length = 183 ft.
Elevation up = 1172.00 ft.
Elevation down = 1169.67 ft.
Slope = 0.013 ft./ft.
 $T_c = X(L^2/S)^{.385} = 1.04 \text{ min.}$

Total T_c 13.16 min.

INTENSITY (IDF CURVE)

	$I = A/(B+T_c)^E$					
	A	B	E	T_c	I	
2 YR	53.00	10.00	0.82	13.16	4.03	"/hr.
5 YR	64.00	12.00	0.79	13.16	5.01	"/hr.
10 YR	74.00	12.00	0.79	13.16	5.79	"/hr.
25 YR	93.00	15.00	0.79	13.16	6.66	"/hr.
50 YR	104.00	15.00	0.79	13.16	7.44	"/hr.
100 YR	108.00	15.00	0.77	13.16	8.26	"/hr.

ESTIMATED DISCHARGE VALUES

	<u>A</u>	<u>C</u>	<u>AxC</u>
D.A. 5	1.28	0.70	0.90
	$C = (AxC)/TOTAL$		0.70
	USE C= 0.70		

$Q_2 = 3.61 \text{ cfs}$
 $Q_5 = 4.49 \text{ cfs}$
 $Q_{10} = 5.19 \text{ cfs}$
 $Q_{25} = 5.96 \text{ cfs}$
 $Q_{50} = 6.67 \text{ cfs}$
 $Q_{100} = 7.40 \text{ cfs}$

CAPACITY OF 26' STREET W/6" CURB @ MIN. GRADE OF 0.40%

n = 0.013
A = 9.47 ft²
Wp = 27.06 ft
Rh = 0.35 ft
Slope = 0.4 %
 $Q_{\text{capacity}} = 33.90 \text{ cfs} > Q_{100}$

DRAINAGE TO POINT F (EXISTING STREET CAPACITY - HICKORY STICK DRIVE)**DRAINAGE BASIN**

Total Area = 10.47 Acres

TIME OF CONCENTRATION (T_c):**OVERLAND**

Length = 237.00 ft.
Elevation up = 1185.00 ft.
Elevation down = 1179.50 ft.
Slope = 0.023 ft./ft.
K = 1
 $T_c = K(L^{.37}/S^{.20}) = 16.05 \text{ min.}$

CHANNEL FLOW

X = 0.0035 (Curbed Street)
Length = 445 ft.
Elevation up = 1179.50 ft.
Elevation down = 1174.76 ft.
Slope = 0.011 ft./ft.
 $T_c = X(L^2/S)^{.385} = 2.20 \text{ min.}$
Total T_c 18.25 min.

INTENSITY (IDF CURVE)

	$I = A/(B+T_c)^E$					
	A	B	E	T_c	I	
2 YR	53.00	10.00	0.82	18.25	3.42	"/hr.
5 YR	64.00	12.00	0.79	18.25	4.33	"/hr.
10 YR	74.00	12.00	0.79	18.25	5.01	"/hr.
25 YR	93.00	15.00	0.79	18.25	5.84	"/hr.
50 YR	104.00	15.00	0.79	18.25	6.53	"/hr.
100 YR	108.00	15.00	0.77	18.25	7.27	"/hr.

ESTIMATED DISCHARGE VALUES

	<u>A</u>	<u>C</u>	<u>AxC</u>
D.A. 6	10.47	0.70	7.33
	$C = (AxC)/TOTAL$		0.70
	USE C= 0.70		

$Q_2 = 25.09 \text{ cfs}$
 $Q_5 = 31.73 \text{ cfs}$
 $Q_{10} = 36.68 \text{ cfs}$
 $Q_{25} = 42.78 \text{ cfs}$
 $Q_{50} = 47.84 \text{ cfs}$
 $Q_{100} = 53.29 \text{ cfs}$

CAPACITY OF EXISTING 26' STREET W/6" CURB @ MIN. GRADE OF 1.18%

n = 0.013
A = 9.47 ft²
Wp = 27.06 ft
Rh = 0.35 ft
Slope = 1.18 %
 $Q_{\text{capacity}} = 58.22 \text{ cfs} > Q_{100}$

DRAINAGE TO POINT G (PROPOSED STORM SEWER - ON GRADE)

DRAINAGE BASIN

Total Area = 11.15 Acres

TIME OF CONCENTRATION (T_c):

OVERLAND

Length = 237.00 ft.
 Elevation up = 1185.00 ft.
 Elevation down = 1179.50 ft.
 Slope = 0.023 ft./ft.
 K = 1
 $T_c = K(L^{.37}/S^{.20}) = 16.05 \text{ min.}$

CHANNEL FLOW

X = 0.0035 (Curbed Street)
 Length = 652 ft.
 Elevation up = 1179.50 ft.
 Elevation down = 1172.09 ft.
 Slope = 0.011 ft./ft.
 $T_c = X(L^2/S)^{.385} = 2.88 \text{ min.}$
Total T_c 18.93 min.

INTENSITY (IDF CURVE)

	$I = A/(B+T_c)^E$					
	A	B	E	T_c	I	
2 YR	53.00	10.00	0.82	18.93	3.36	"/hr.
5 YR	64.00	12.00	0.79	18.93	4.25	"/hr.
10 YR	74.00	12.00	0.79	18.93	4.92	"/hr.
25 YR	93.00	15.00	0.79	18.93	5.74	"/hr.
50 YR	104.00	15.00	0.79	18.93	6.42	"/hr.
100 YR	108.00	15.00	0.77	18.93	7.16	"/hr.

ESTIMATED DISCHARGE VALUES

	A	C	AxC
D.A. 6	10.47	0.70	7.33
D.A. 7	0.68	0.70	0.48
$C = (AxC)/TOTAL$			0.70
USE C= 0.70			

$Q_2 = 26.20 \text{ cfs}$
 $Q_5 = 33.20 \text{ cfs}$
 $Q_{10} = 38.39 \text{ cfs}$
 $Q_{25} = 44.84 \text{ cfs}$
 $Q_{50} = 50.14 \text{ cfs}$
 $Q_{100} = 55.87 \text{ cfs}$

CAPACITY OF EXISTING 26' STREET W/6" CURB @ MIN. GRADE OF 1.20%

n = 0.013
 A = 9.47 ft²
 Wp = 27.06 ft
 Rh = 0.35 ft
 Slope = 1.2 %
 $Q_{\text{capacity}} = 58.71 \text{ cfs} > Q_{100}$

DRAINAGE TO POINT G - CONTINUED

CAPACITY OF PROPOSED (2) D-2-3 INLETS

Q_{capacity} D-2-3 INLET=	23.20 cfs
Q_{capacity} D-2-3 INLET=	23.20 cfs
Total Q_{capacity} =	46.40 cfs > Q_{25}

CAPACITY OF 24" RCP

n =	0.013	
D=	2 ft	24 in. (or equivalent)
A =	3.14 ft ²	
Wp =	6.28 ft	
Rh =	0.50 ft	
Slope =	1.99 %	
# OF PIPES	1	
Q_{capacity} =	31.82 cfs > D-2-3 Inlet Capacity	

CAPACITY OF 36" RCP

n =	0.013	
D=	3 ft	36 in. (or equivalent)
A =	7.07 ft ²	
Wp =	9.42 ft	
Rh =	0.75 ft	
Slope =	0.6 %	
# OF PIPES	1	
Q_{capacity} =	51.59 cfs > Q_{25}	

DRAINAGE TO POINT H (FUTURE STREET CAPACITY - SLEEPY HOLLOW BOULEVARD)**DRAINAGE BASIN**

Total Area = 15.97 Acres

TIME OF CONCENTRATION (T_c):**OVERLAND**

Length = 237.00 ft.
Elevation up = 1185.00 ft.
Elevation down = 1179.50 ft.
Slope = 0.023 ft./ft.
K = 1
 $T_c = K(L^{.37}/S^{.20}) = 16.05 \text{ min.}$

CHANNEL FLOW

X = 0.0035 (Curbed Street)
Length = 1145 ft.
Elevation up = 1179.50 ft.
Elevation down = 1164.32 ft.
Slope = 0.013 ft./ft.
 $T_c = X(L^2/S)^{.385} = 4.19 \text{ min.}$

Total T_c 20.24 min.**INTENSITY (IDF CURVE)**

$$I = A/(B+T_c)^E$$

	A	B	E	T_c	I	
2 YR	53.00	10.00	0.82	20.24	3.24	"/hr.
5 YR	64.00	12.00	0.79	20.24	4.12	"/hr.
10 YR	74.00	12.00	0.79	20.24	4.76	"/hr.
25 YR	93.00	15.00	0.79	20.24	5.58	"/hr.
50 YR	104.00	15.00	0.79	20.24	6.24	"/hr.
100 YR	108.00	15.00	0.77	20.24	6.95	"/hr.

ESTIMATED DISCHARGE VALUES

	A	C	AxC
D.A. 6	10.47	0.70	7.33
D.A. 7	0.68	0.70	0.48
D.A. 8	1.79	0.70	1.25
D.A. 9	3.03	0.70	2.12
C = (AxC)/TOTAL			0.70
USE C= 0.70			

		<u>Q OFF @ G</u>	<u>Q REMAINING</u>
$Q_2 =$	36.19 cfs	26.20 cfs	9.99 cfs
$Q_5 =$	46.02 cfs	33.20 cfs	12.82 cfs
$Q_{10} =$	53.21 cfs	38.39 cfs	14.82 cfs
$Q_{25} =$	62.33 cfs	44.84 cfs	17.49 cfs
$Q_{50} =$	69.70 cfs	46.40 cfs	23.30 cfs
$Q_{100} =$	77.73 cfs	46.40 cfs	31.33 cfs

CAPACITY OF EXISTING 26' STREET W/6" CURB @ MIN. GRADE OF 0.80%

n = 0.013
A = 9.47 ft²
Wp = 27.06 ft
Rh = 0.35 ft
Slope = 0.8 %
 $Q_{\text{capacity}} = 47.94 \text{ cfs} > Q_{100}$

DRAINAGE TO POINT I (FUTURE STORM SEWER - AT SUMP)

DRAINAGE BASIN

Total Area = 5.97 Acres

TIME OF CONCENTRATION (T_c):

OVERLAND

Length = 234.00 ft.
 Elevation up = 1174.41 ft.
 Elevation down = 1170.16 ft.
 Slope = 0.018 ft./ft.
 K = 1
 $T_c = K(L^{.37}/S^{.20}) = 16.78 \text{ min.}$

CHANNEL FLOW

X = 0.0035 (Curbed Street)
 Length = 1044 ft.
 Elevation up = 1170.16 ft.
 Elevation down = 1159.00 ft.
 Slope = 0.011 ft./ft.
 $T_c = X(L^2/S)^{.385} = 4.24 \text{ min.}$
Total T_c 21.02 min.

INTENSITY (IDF CURVE)

	$I = A/(B+T_c)^E$					
	A	B	E	T_c	I	
2 YR	53.00	10.00	0.82	21.02	3.17	"/hr.
5 YR	64.00	12.00	0.79	21.02	4.04	"/hr.
10 YR	74.00	12.00	0.79	21.02	4.67	"/hr.
25 YR	93.00	15.00	0.79	21.02	5.48	"/hr.
50 YR	104.00	15.00	0.79	21.02	6.13	"/hr.
100 YR	108.00	15.00	0.77	21.02	6.84	"/hr.

ESTIMATED DISCHARGE VALUES

D.A. 10 A C AxC
 5.97 0.70 4.18
 $C = (AxC)/TOTAL$ 0.70
USE C= 0.70

$Q_2 = 13.25 \text{ cfs}$
 $Q_5 = 16.88 \text{ cfs}$
 $Q_{10} = 19.52 \text{ cfs}$
 $Q_{25} = 22.90 \text{ cfs}$
 $Q_{50} = 25.61 \text{ cfs}$
 $Q_{100} = 28.57 \text{ cfs}$

CAPACITY OF 26' STREET W/6" CURB @ MIN. GRADE OF 0.40%

$n = 0.013$
 $A = 9.47 \text{ ft}^2$
 $W_p = 27.06 \text{ ft}$
 $R_h = 0.35 \text{ ft}$
 Slope = 0.4 %
 $Q_{\text{capacity}} = 33.90 \text{ cfs} > Q_{100}$

DRAINAGE TO POINT I - CONT.

CAPACITY OF FUTURE (1) D-2-4 INLETS

$Q_{\text{capacity D-2-4 INLET}} = 28.20 \text{ cfs}$
 $\text{Total } Q_{\text{capacity}} = 28.20 \text{ cfs} > Q_{50}$

CAPACITY OF FUTURE 24" RCP

$n = 0.013$
 $D = 2 \text{ ft}$ 24 in. (or equivalent)
 $A = 3.14 \text{ ft}^2$
 $W_p = 6.28 \text{ ft}$
 $R_h = 0.50 \text{ ft}$
 $\text{Slope} = 1.3 \% \text{ Min}$
 $\# \text{ OF PIPES} = 1$
 $Q_{\text{capacity}} = 25.72 \text{ cfs} > Q_{50}$

CAPACITY OF FUTURE OVERFLOW CONCRETE FLUME

$n = 0.013$		<u>Q REMAINING</u>
Width = 4 ft		$Q_2 = 0 \text{ cfs}$
Depth = 0.5 ft		$Q_5 = 0 \text{ cfs}$
$A = 2.00 \text{ ft}^2$		$Q_{10} = 0 \text{ cfs}$
$W_p = 5.00 \text{ ft}$		$Q_{25} = 0 \text{ cfs}$
$R_h = 0.40 \text{ ft}$		$Q_{50} = 0 \text{ cfs}$
$\text{Slope} = 1 \% \text{ Min}$		$Q_{100} = 2.85 \text{ cfs}$
$Q_{\text{capacity}} = 12.37 \text{ cfs} > Q_{100} \text{ Remaining}$		

Attachments:

Initial: June 7, 2019

Final: August 22, 2019

DRAINAGE REPORT

Prepared for:

Sleepy Hollow 3rd Addition, Phase 1

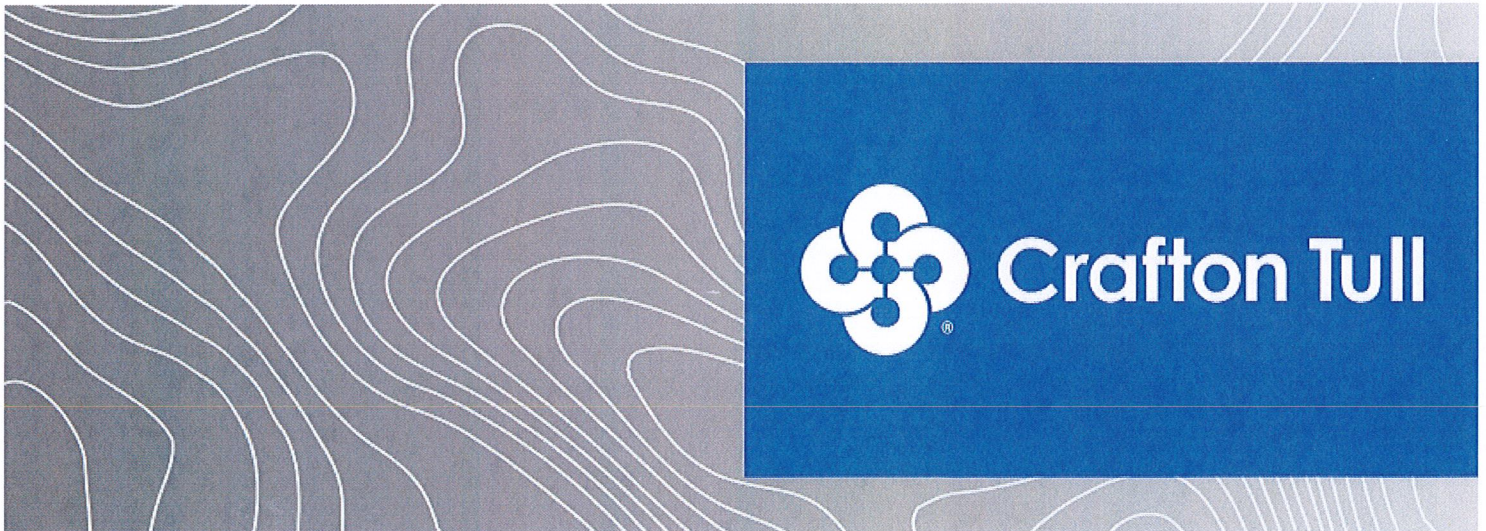
Submitted to:

City of Chickasha

117 N. 4th Street

Chickasha, OK 73018

CT JOB NO. 166104-00



Prepared by:  **Crafton Tull**

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- 1.2 Drainage Design
- 1.3 Conclusion

Appendix A

Drainage Calculation Worksheets

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Appendix C

HEC-RAS Results

Appendix D

HY-8 Results

Appendix E

Flood Insurance Study – Congo Creek Middle Branch

Attachments

Drainage Map
Flood Study Map

1.1 PROJECT DESCRIPTION & LOCATION:

The following is the Drainage Report for the proposed residential development of Sleepy Hollow 3rd Addition, Phase 1. Sleepy Hollow is located with the North Half (N/2) of Section Nine (9), Township (6) North, Range Seven (7) West, of the Indian Meridian (I.M.), Chickasha, Grady County, Oklahoma (South of W. Country Club Road between S. 16th Street and S. 4th Street).

1.2 DRAINAGE DESIGN

The Modified Rational Method was used for calculating the peak flow for the developed conditions for the 2-year through 100-year storm events.

Under historic conditions, a ridge splits the site into two drainage basins. The runoff from the first drainage basin, the East basin, drains from West to East towards the existing portion of Sleepy Hollow Boulevard. After collecting in Sleepy Hollow Boulevard, the runoff drains North before entering an existing storm sewer system that discharges into Congo Creek Middle Branch. The runoff from the second drainage basin, the West Basin, drains from East to West towards Congo Creek Middle Branch.

Under developed conditions, drainage patterns will follow the historic conditions, discussed above. HEC-RAS version 5.0.3 was used to determine the urbanized 100-year water surface elevation for Congo Creek Middle Branch. In addition, the Federal Emergency Management Agency's Flood Insurance Study, effective April 3, 2012, was evaluated to determine the downstream boundary condition for the developed HEC-RAS model. Said Flood Insurance Study is urbanized and therefore was determined to be more conservative as a downstream boundary condition. See Appendix B, C, and E for further details.

Several storm sewer systems are proposed with this phase of Sleepy Hollow to insure that all streets can handle the 100-year storm event flows for both the proposed and future phases of Sleepy Hollow 3rd Addition. Refer to Appendix A for drainage/street capacity calculations. See below for discussion of the separate storm sewer systems; Storm Sewer A, B, C, and D.

Storm Sewer A consists of two D-2-2 curb inlets, a 24" reinforced concrete pipe (RCP) under Hickory Stick Drive, and a 30" RCP outfall. Said outfall is designed as an at-grade condition and can handle the 100-year storm event flow for the respective basin.

Storm Sewer B consists of one D-2-4 curb inlet, a 24" RCP outfall, and a 4'x0.5' concrete overflow flume. Said outfall is designed as a sump condition and can handle the 100-year storm event flow for the respective basin.

Storm Sewer C consists of an 18" RCP under Irving Drive. Said RCP functions as a culvert and is designed to handle the 100-year storm event for the respective basin without topping Irving Drive. Refer to Appendix D for further Details.

Storm Sewer D consists of an extension of an existing storm sewer system to accommodate the addition of proposed lots within Sleepy Hollow 3rd Addition, Phase 1. Said extension consists of a 36" RCP and is designed to handle the 100-year storm event for the respective basin.

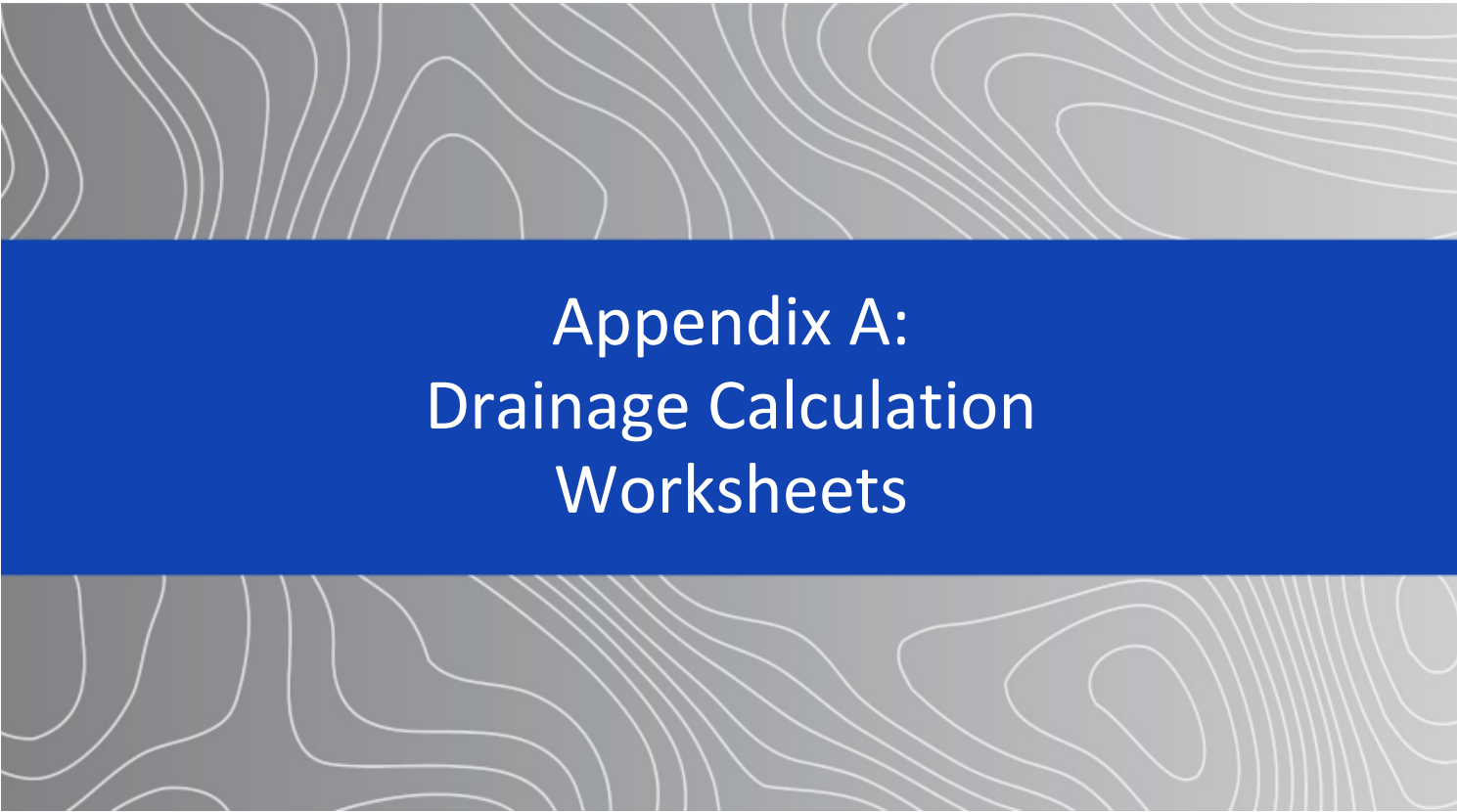
1.3 CONCLUSION

The entirety of Sleepy Hollow 3rd Addition, both proposed and future phases, are at least 1 foot above the 100-year water surface elevation of Congo Creek Middle Branch and there is no proposed disturbance within FEMA regulated floodway.

All drainage design and computations were performed in accordance with the City of Chickasha Drainage Ordinance. Appendix A (Drainage Calculation Worksheets), Appendix B (Flood Study Calculations), Appendix C (HEC-RAS Results), Appendix D (HY-8 Results), and Appendix E (Flood Insurance Study – Congo Creek Middle Branch) are included in this report for reference.

Date: August 22, 2019

Reviewed by: Kendall W. Dillon, P.E.



Appendix A: Drainage Calculation Worksheets

DRAINAGE TO POINT A (FUTURE STREET CAPACITY - HICKORY STRICK DRIVE)

DRAINAGE BASIN

Total Area = 5.75 Acres

TIME OF CONCENTRATION (T_c):

OVERLAND

Length = 259.00 ft.
 Elevation up = 1173.03 ft.
 Elevation down = 1170.92 ft.
 Slope = 0.008 ft./ft.
 K = 1
 $T_c = K(L^{.37}/S^{.20}) = 20.45 \text{ min.}$

CHANNEL FLOW

X = 0.0035 (Curbed Street)
 Length = 575 ft.
 Elevation up = 1170.92 ft.
 Elevation down = 1166.53 ft.
 Slope = 0.008 ft./ft.
 $T_c = X(L^2/S)^{.385} = 3.05 \text{ min.}$
Total T_c 23.50 min.

INTENSITY (IDF CURVE)

	$I = A/(B+T_c)^E$				
	A	B	E	T_c	I
2 YR	53.00	10.00	0.82	23.50	2.98 "/hr.
5 YR	64.00	12.00	0.79	23.50	3.82 "/hr.
10 YR	74.00	12.00	0.79	23.50	4.41 "/hr.
25 YR	93.00	15.00	0.79	23.50	5.20 "/hr.
50 YR	104.00	15.00	0.79	23.50	5.81 "/hr.
100 YR	108.00	15.00	0.77	23.50	6.50 "/hr.

ESTIMATED DISCHARGE VALUES

D.A. 1 A C AxC
 5.75 0.70 4.03
 $C = (AxC)/TOTAL$ 0.70
USE C= 0.70

$Q_2 = 11.98 \text{ cfs}$
 $Q_5 = 15.36 \text{ cfs}$
 $Q_{10} = 17.75 \text{ cfs}$
 $Q_{25} = 20.93 \text{ cfs}$
 $Q_{50} = 23.40 \text{ cfs}$
 $Q_{100} = 26.14 \text{ cfs}$

CAPACITY OF 26' STREET W/6" CURB @ MIN. GRADE OF 0.40%

n = 0.013
 A = 9.47 ft²
 Wp = 27.06 ft
 Rh = 0.35 ft
 Slope = 0.4 %
 $Q_{capacity} = 33.90 \text{ cfs} > Q_{100}$

DRAINAGE TO POINT B (PROPOSED STORM SEWER A - ON GRADE)**DRAINAGE BASIN**

Total Area = 7.54 Acres

TIME OF CONCENTRATION (T_c):**OVERLAND**

Length = 259.00 ft.
Elevation up = 1173.03 ft.
Elevation down = 1170.92 ft.
Slope = 0.008 ft./ft.
K = 1
 $T_c = K(L^{.37}/S^{.20}) = 20.45 \text{ min.}$

CHANNEL FLOW

X = 0.0035 (Curbed Street)
Length = 847 ft.
Elevation up = 1170.92 ft.
Elevation down = 1164.98 ft.
Slope = 0.007 ft./ft.
 $T_c = X(L^2/S)^{.385} = 4.24 \text{ min.}$

Total T_c 24.70 min.**INTENSITY (IDF CURVE)**

$$I = A/(B+T_c)^E$$

	A	B	E	T_c	I	
2 YR	53.00	10.00	0.82	24.70	2.89	"/hr.
5 YR	64.00	12.00	0.79	24.70	3.72	"/hr.
10 YR	74.00	12.00	0.79	24.70	4.30	"/hr.
25 YR	93.00	15.00	0.79	24.70	5.08	"/hr.
50 YR	104.00	15.00	0.79	24.70	5.68	"/hr.
100 YR	108.00	15.00	0.77	24.70	6.34	"/hr.

ESTIMATED DISCHARGE VALUES

	A	C	$A \times C$
D.A. 1	5.75	0.70	4.03
D.A. 2	1.79	0.70	1.25
$C = (A \times C)/\text{TOTAL}$			0.70
USE C= 0.70			

$Q_2 =$	15.27 cfs
$Q_5 =$	19.62 cfs
$Q_{10} =$	22.68 cfs
$Q_{25} =$	26.79 cfs
$Q_{50} =$	29.96 cfs
$Q_{100} =$	33.49 cfs

CAPACITY OF 26' STREET W/6" CURB @ MIN. GRADE OF 0.40%

n =	0.013
A =	9.47 ft ²
Wp =	27.06 ft
Rh =	0.35 ft
Slope =	0.4 %
$Q_{\text{capacity}} =$	33.90 cfs > Q_{100}

DRAINAGE TO POINT B - CONTINUED

CAPACITY OF (2) D-2-2 INLETS

$Q_{\text{capacity D-2-2 INLET}} =$	18.20 cfs
$Q_{\text{capacity D-2-2 INLET}} =$	18.20 cfs
Total $Q_{\text{capacity}} =$	36.40 cfs > Q_{10}

CAPACITY OF 24" RCP

$n =$	0.013	
$D =$	2 ft	24 in. (or equivalent)
$A =$	3.14 ft ²	
$W_p =$	6.28 ft	
$R_h =$	0.50 ft	
Slope =	1 %	
# OF PIPES	1	
$Q_{\text{capacity}} =$	22.56 cfs > D-2-2 Inlet Capacity	

CAPACITY OF 30" RCP

$n =$	0.013	
$D =$	2.5 ft	30 in. (or equivalent)
$A =$	4.91 ft ²	
$W_p =$	7.85 ft	
$R_h =$	0.63 ft	
Slope =	1 %	
# OF PIPES	1	
$Q_{\text{capacity}} =$	40.93 cfs > Q_{100}	

NOTE: THIS PAGE WAS USED TO SPECIFY THE TYPE AND CAPACITY OF EACH PROPOSED INLET

5.3.2 Design and Construction Standards

The City of Oklahoma City Standard [D-101 \(Public Works\)](#) contains engineering design and construction details for Design 2 Inlets. Design 2 Inlets are multiple curb openings and two grates. This type of inlet is usually the most practical type of roadway drainage because it resists clogging and offer little interference to vehicular, bicycle, or pedestrian traffic. The maximum inlet capacities are included in Table 5.1 below.

Table 5-1: Design 2 Inlet Capacities

Type	Total Capacity	Grate Capacity	Hood Capacity	Length
Design 2-0	8.2 cfs	3.2 cfs	5 cfs	5 ft
Design 2-1	13.2 cfs	3.2 cfs	10 cfs	10 ft
Design 2-2	18.2 cfs	3.2 cfs	15 cfs	15 ft
Design 2-3	23.2 cfs	3.2 cfs	20 cfs	20 ft
Design 2-4	28.2 cfs	3.2 cfs	25 cfs	25 ft

5.4 Grated Street Inlets

5.4.1 Inlet Design Flow and Location

Grated street inlets shall be designed for fully urbanized conditions as determined by current zoning for the area. However, the minimum composite urbanization factor shall not be less than 0.7 (see [Table 4.4](#)) or an Urbanization Factor (R_L) of 4.1 shall be used with the USGS regression equation.

This type inlet is allowed only allowed for addressing drainage and flooding issue in already developed area and use of these inlets in new subdivision. They are typically located at a sump or close to a sump location. The lots adjacent to a grated street inlet located at a sump shall be elevated one (1) foot above the top of curb of the inlet.

5.4.2 Design and Construction Standards

The City of Oklahoma City Standard [D-102 \(Public Works\)](#) contains engineering design and construction details for the Grated Street Inlets. This type of inlet shall be used when a Design 2 Inlet is not suitable due to a specific site condition. The maximum inlet capacities are included in Table 5.2 below.

Table 5-2: Grated Inlet Capacities

Type	26' on-grade	26' sump	32' on-grade	32' sump
Alternative "A" *	52 Cfs	60 cfs	60 cfs	60 cfs
Alternative "B" **	52 cfs	60 cfs	60 cfs	60 cfs

* Based on IKG Industries Type WL Size 20A Galvanized Steel Grate

** Based on Neenah Foundry Type R-4999-NX with Type C Frame

STORM SEWER A

Project Description	
Friction Method	Manning
Solve For	Formula
	Normal Depth
Input Data	
Roughness Coefficient	0.013
Channel Slope	0.010 ft/ft
Diameter	30.0 in
Discharge	33.49 cfs
Results	
Normal Depth	20.6 in
Flow Area	3.6 ft ²
Wetted Perimeter	4.9 ft
Hydraulic Radius	8.8 in
Top Width	2.32 ft
Critical Depth	23.6 in
Percent Full	68.7 %
Critical Slope	0.007 ft/ft
Velocity	9.32 ft/s
Velocity Head	1.35 ft
Specific Energy	3.07 ft
Froude Number	1.319
Maximum Discharge	44.12 cfs
Discharge Full	41.01 cfs
Slope Full	0.007 ft/ft
Flow Type	Supercritical
GVF Input Data	
Downstream Depth	0.0 in
Length	0.0 ft
Number Of Steps	0
GVF Output Data	
Upstream Depth	0.0 in
Profile Description	N/A
Profile Headloss	0.00 ft
Average End Depth Over Rise	0.0 %
Normal Depth Over Rise	68.7 %
Downstream Velocity	Infinity ft/s
Upstream Velocity	Infinity ft/s
Normal Depth	20.6 in
Critical Depth	23.6 in
Channel Slope	0.010 ft/ft
Critical Slope	0.007 ft/ft

DRAINAGE TO POINT C (PROPOSED STORM SEWER B - AT SUMP)

DRAINAGE BASIN

Total Area = 13.04 Acres

TIME OF CONCENTRATION (T_c):

OVERLAND

Length = 259.00 ft.
 Elevation up = 1173.03 ft.
 Elevation down = 1170.92 ft.
 Slope = 0.008 ft./ft.
 K = 1
 $T_c = K(L^{.37}/S^{.20}) = 20.45 \text{ min.}$

CHANNEL FLOW

X = 0.0035 (Curbed Street)
 Length = 1474 ft.
 Elevation up = 1170.92 ft.
 Elevation down = 1159.51 ft.
 Slope = 0.008 ft./ft.
 $T_c = X(L^2/S)^{.385} = 6.26 \text{ min.}$
 Total T_c = 26.71 min.

INTENSITY (IDF CURVE)

	$I = A/(B+T_c)^E$				
	A	B	E	T_c	I
2 YR	53.00	10.00	0.82	26.71	2.76 "/hr.
5 YR	64.00	12.00	0.79	26.71	3.56 "/hr.
10 YR	74.00	12.00	0.79	26.71	4.12 "/hr.
25 YR	93.00	15.00	0.79	26.71	4.88 "/hr.
50 YR	104.00	15.00	0.79	26.71	5.46 "/hr.
100 YR	108.00	15.00	0.77	26.71	6.11 "/hr.

ESTIMATED DISCHARGE VALUES

	A	C	AxC
D.A. 1	5.75	0.70	4.03
D.A. 2	1.79	0.70	1.25
D.A. 3	5.50	0.70	3.85
$C = (AxC)/TOTAL$			0.70
USE C= 0.70			

		Q OFF @ B	Q REMAINING
$Q_2 =$	25.21 cfs	15.27 cfs	9.94 cfs
$Q_5 =$	32.52 cfs	19.62 cfs	12.90 cfs
$Q_{10} =$	37.60 cfs	22.68 cfs	14.92 cfs
$Q_{25} =$	44.55 cfs	26.79 cfs	17.76 cfs
$Q_{50} =$	49.82 cfs	29.96 cfs	19.86 cfs
$Q_{100} =$	55.74 cfs	33.49 cfs	22.26 cfs

CAPACITY OF 26' STREET W/6" CURB @ MIN. GRADE OF 0.40%

n = 0.013
 A = 9.47 ft²
 Wp = 27.06 ft
 Rh = 0.35 ft
 Slope = 0.4 %
 $Q_{capacity} = 33.90 \text{ cfs} > Q_{100}$

DRAINAGE TO POINT C - CONTINUED

CAPACITY OF (1) D-2-4 INLET

$Q_{\text{capacity D-2-4 INLET}} = 28.20 \text{ cfs}$
 $\text{Total } Q_{\text{capacity}} = 28.20 \text{ cfs} > Q_{100}$

CAPACITY OF 24" RCP

$n = 0.013$
 $D = 2 \text{ ft}$ 24 in. (or equivalent)
 $A = 3.14 \text{ ft}^2$
 $W_p = 6.28 \text{ ft}$
 $R_h = 0.50 \text{ ft}$
 $\text{Slope} = 2 \%$
 $\# \text{ OF PIPES} = 1$
 $Q_{\text{capacity}} = 31.90 \text{ cfs} > Q_{100}$

CAPACITY OF CONCRETE FLUME

$n = 0.013$		<u>Q REMAINING</u>
Width = 4 ft		$Q_2 = 0 \text{ cfs}$
Depth = 0.5 ft		$Q_5 = 0 \text{ cfs}$
$A = 2.00 \text{ ft}^2$		$Q_{10} = 0 \text{ cfs}$
$W_p = 5.00 \text{ ft}$		$Q_{25} = 0 \text{ cfs}$
$R_h = 0.40 \text{ ft}$		$Q_{50} = 0 \text{ cfs}$
$\text{Slope} = 1 \%$		$Q_{100} = 0 \text{ cfs}$
$Q_{\text{capacity}} = 12.37 \text{ cfs} > Q_{100}$		

NOTE: THIS PAGE WAS USED TO SPECIFY THE TYPE AND CAPACITY OF EACH PROPOSED INLET

5.3.2 Design and Construction Standards

The City of Oklahoma City Standard [D-101 \(Public Works\)](#) contains engineering design and construction details for Design 2 Inlets. Design 2 Inlets are multiple curb openings and two grates. This type of inlet is usually the most practical type of roadway drainage because it resists clogging and offer little interference to vehicular, bicycle, or pedestrian traffic. The maximum inlet capacities are included in Table 5.1 below.

Table 5-1: Design 2 Inlet Capacities

Type	Total Capacity	Grate Capacity	Hood Capacity	Length
Design 2-0	8.2 cfs	3.2 cfs	5 cfs	5 ft
Design 2-1	13.2 cfs	3.2 cfs	10 cfs	10 ft
Design 2-2	18.2 cfs	3.2 cfs	15 cfs	15 ft
Design 2-3	23.2 cfs	3.2 cfs	20 cfs	20 ft
Design 2-4	28.2 cfs	3.2 cfs	25 cfs	25 ft

5.4 Grated Street Inlets

5.4.1 Inlet Design Flow and Location

Grated street inlets shall be designed for fully urbanized conditions as determined by current zoning for the area. However, the minimum composite urbanization factor shall not be less than 0.7 (see [Table 4.4](#)) or an Urbanization Factor (R_L) of 4.1 shall be used with the USGS regression equation.

This type inlet is allowed only allowed for addressing drainage and flooding issue in already developed area and use of these inlets in new subdivision. They are typically located at a sump or close to a sump location. The lots adjacent to a grated street inlet located at a sump shall be elevated one (1) foot above the top of curb of the inlet.

5.4.2 Design and Construction Standards

The City of Oklahoma City Standard [D-102 \(Public Works\)](#) contains engineering design and construction details for the Grated Street Inlets. This type of inlet shall be used when a Design 2 Inlet is not suitable due to a specific site condition. The maximum inlet capacities are included in Table 5.2 below.

Table 5-2: Grated Inlet Capacities

Type	26' on-grade	26' sump	32' on-grade	32' sump
Alternative "A" *	52 Cfs	60 cfs	60 cfs	60 cfs
Alternative "B" **	52 cfs	60 cfs	60 cfs	60 cfs

* Based on IKG Industries Type WL Size 20A Galvanized Steel Grate

** Based on Neenah Foundry Type R-4999-NX with Type C Frame

STORM SEWER B

Project Description	
Friction Method	Manning
Solve For	Formula
	Normal Depth
Input Data	
Roughness Coefficient	0.013
Channel Slope	0.020 ft/ft
Diameter	24.0 in
Discharge	22.26 cfs
Results	
Normal Depth	14.7 in
Flow Area	2.0 ft ²
Wetted Perimeter	3.6 ft
Hydraulic Radius	6.7 in
Top Width	1.95 ft
Critical Depth	20.2 in
Percent Full	61.4 %
Critical Slope	0.009 ft/ft
Velocity	11.00 ft/s
Velocity Head	1.88 ft
Specific Energy	3.11 ft
Froude Number	1.903
Maximum Discharge	34.41 cfs
Discharge Full	31.99 cfs
Slope Full	0.010 ft/ft
Flow Type	Supercritical
GVF Input Data	
Downstream Depth	0.0 in
Length	0.0 ft
Number Of Steps	0
GVF Output Data	
Upstream Depth	0.0 in
Profile Description	N/A
Profile Headloss	0.00 ft
Average End Depth Over Rise	0.0 %
Normal Depth Over Rise	61.4 %
Downstream Velocity	Infinity ft/s
Upstream Velocity	Infinity ft/s
Normal Depth	14.7 in
Critical Depth	20.2 in
Channel Slope	0.020 ft/ft
Critical Slope	0.009 ft/ft

STORM SEWER B (OVERFLOW FLUME)

Project Description	
Friction Method	Manning
Solve For	Formula Discharge
Input Data	
Roughness Coefficient	0.013
Channel Slope	0.020 ft/ft
Normal Depth	6.0 in
Bottom Width	4.00 ft
Results	
Discharge	17.55 cfs
Flow Area	2.0 ft ²
Wetted Perimeter	5.0 ft
Hydraulic Radius	4.8 in
Top Width	4.00 ft
Critical Depth	10.1 in
Critical Slope	0.004 ft/ft
Velocity	8.78 ft/s
Velocity Head	1.20 ft
Specific Energy	1.70 ft
Froude Number	2.188
Flow Type	Supercritical
GVF Input Data	
Downstream Depth	0.0 in
Length	0.0 ft
Number Of Steps	0
GVF Output Data	
Upstream Depth	0.0 in
Profile Description	N/A
Profile Headloss	0.00 ft
Downstream Velocity	Infinity ft/s
Upstream Velocity	Infinity ft/s
Normal Depth	6.0 in
Critical Depth	10.1 in
Channel Slope	0.020 ft/ft
Critical Slope	0.004 ft/ft

DRAINAGE TO POINT D (PROPOSED STORM SEWER C - UNDER ENTRANCE)

DRAINAGE BASIN

Total Area = 0.90 Acres

TIME OF CONCENTRATION (T_c):

OVERLAND

Length = 146.00 ft.
 Elevation up = 1168.54 ft.
 Elevation down = 1165.41 ft.
 Slope = 0.021 ft./ft.
 K = 1
 $T_c = K(L^{.37}/S^{.20}) = 13.63 \text{ min.}$

CHANNEL FLOW

X = 0.008 (Sodded Swale)
 Length = 183 ft.
 Elevation up = 1165.41 ft.
 Elevation down = 1163.54 ft.
 Slope = 0.010 ft./ft.
 $T_c = X(L^2/S)^{.385} = 2.58 \text{ min.}$

Total T_c 16.21 min.

INTENSITY (IDF CURVE)

	$I = A/(B+T_c)^E$					
	A	B	E	T_c	I	
2 YR	53.00	10.00	0.82	16.21	3.64	"/hr.
5 YR	64.00	12.00	0.79	16.21	4.57	"/hr.
10 YR	74.00	12.00	0.79	16.21	5.29	"/hr.
25 YR	93.00	15.00	0.79	16.21	6.14	"/hr.
50 YR	104.00	15.00	0.79	16.21	6.86	"/hr.
100 YR	108.00	15.00	0.77	16.21	7.63	"/hr.

ESTIMATED DISCHARGE VALUES

D.A. 4 A C AxC
 0.9 0.70 0.63
 $C = (AxC)/TOTAL$ 0.70
USE C= 0.70

$Q_2 = 2.29 \text{ cfs}$
 $Q_5 = 2.88 \text{ cfs}$
 $Q_{10} = 3.33 \text{ cfs}$
 $Q_{25} = 3.87 \text{ cfs}$
 $Q_{50} = 4.32 \text{ cfs}$
 $Q_{100} = 4.81 \text{ cfs}$

DRAINAGE TO POINT D - CONTINUED

CAPACITY OF 18" RCP

n =	0.013	
D =	1.5 ft	18 in. (or equivalent)
A =	1.77 ft ²	
Wp =	4.71 ft	
Rh =	0.38 ft	
Slope =	1 %	
# OF PIPES	1	
Q _{capacity} =	10.46 cfs > Q ₁₀₀	

STORM SEWER C

Project Description	
Friction Method	Manning
Solve For	Formula
	Normal Depth
Input Data	
Roughness Coefficient	0.013
Channel Slope	0.010 ft/ft
Diameter	18.0 in
Discharge	10.46 cfs
Results	
Normal Depth	14.7 in
Flow Area	1.5 ft ²
Wetted Perimeter	3.4 ft
Hydraulic Radius	5.5 in
Top Width	1.16 ft
Critical Depth	14.9 in
Percent Full	81.6 %
Critical Slope	0.010 ft/ft
Velocity	6.78 ft/s
Velocity Head	0.71 ft
Specific Energy	1.94 ft
Froude Number	1.037
Maximum Discharge	11.30 cfs
Discharge Full	10.50 cfs
Slope Full	0.010 ft/ft
Flow Type	Supercritical
GVF Input Data	
Downstream Depth	0.0 in
Length	0.0 ft
Number Of Steps	0
GVF Output Data	
Upstream Depth	0.0 in
Profile Description	N/A
Profile Headloss	0.00 ft
Average End Depth Over Rise	0.0 %
Normal Depth Over Rise	81.6 %
Downstream Velocity	Infinity ft/s
Upstream Velocity	Infinity ft/s
Normal Depth	14.7 in
Critical Depth	14.9 in
Channel Slope	0.010 ft/ft
Critical Slope	0.010 ft/ft

DRAINAGE TO POINT D1 (STORM SEWER D - EXISTING STORM EXTENSION)

CAPACITY OF EXISTING 36" RCP

n =	0.013	
D =	3 ft	36 in. (or equivalent)
A =	7.07 ft ²	
Wp =	9.42 ft	
Rh =	0.75 ft	
Slope =	0.8 %	
# OF PIPES	1	
Q _{capacity} =	59.57 cfs > Q ₁₀₀ In Existing 36" RCP	

CAPACITY OF PROPOSED 36" RCP

n =	0.013	
D =	3 ft	36 in. (or equivalent)
A =	7.07 ft ²	
Wp =	9.42 ft	
Rh =	0.75 ft	
Slope =	0.8 %	
# OF PIPES	1	
Q _{capacity} =	59.57 cfs > Q ₁₀₀ In Proposed Pipe	

Note: Storm Sewer D is an extension of an existing Storm Sewer system. All Runoff that bypasses existing storm sewer is conveyed towards another existing storm sewer system downstream. Storm Sewer D was designed to have the same capacity as the existing storm sewer system. Said downstream storm sewer system is not part of this project/design.

STORM SEWER D

Project Description	
Friction Method	Manning
Solve For	Formula Discharge
Input Data	
Roughness Coefficient	0.013
Channel Slope	0.008 ft/ft
Normal Depth	36.0 in
Diameter	36.0 in
Results	
Discharge	59.65 cfs
Flow Area	7.1 ft ²
Wetted Perimeter	9.4 ft
Hydraulic Radius	9.0 in
Top Width	0.00 ft
Critical Depth	29.9 in
Percent Full	100.0 %
Critical Slope	0.008 ft/ft
Velocity	8.44 ft/s
Velocity Head	1.11 ft
Specific Energy	4.11 ft
Froude Number	(N/A)
Maximum Discharge	64.17 cfs
Discharge Full	59.65 cfs
Slope Full	0.008 ft/ft
Flow Type	Undefined
GVF Input Data	
Downstream Depth	0.0 in
Length	0.0 ft
Number Of Steps	0
GVF Output Data	
Upstream Depth	0.0 in
Profile Description	N/A
Profile Headloss	0.00 ft
Average End Depth Over Rise	0.0 %
Normal Depth Over Rise	100.0 %
Downstream Velocity	Infinity ft/s
Upstream Velocity	Infinity ft/s
Normal Depth	36.0 in
Critical Depth	29.9 in
Channel Slope	0.008 ft/ft
Critical Slope	0.008 ft/ft

DRAINAGE TO POINT E (PROPOSED STREET CAPACITY - DUSKY VALLEY LANE)**DRAINAGE BASIN**

Total Area = 1.57 Acres

TIME OF CONCENTRATION (T_c):**OVERLAND**

Length = 172.00 ft.
Elevation up = 1172.82 ft.
Elevation down = 1170.55 ft.
Slope = 0.013 ft./ft.
K = 1
 $T_c = K(L^{.37}/S^{.20}) = 15.96 \text{ min.}$

CHANNEL FLOW

X = 0.0035 (Curbed Street)
Length = 174 ft.
Elevation up = 1170.55 ft.
Elevation down = 1168.59 ft.
Slope = 0.011 ft./ft.
 $T_c = X(L^2/S)^{.385} = 1.05 \text{ min.}$
Total T_c 17.01 min.

INTENSITY (IDF CURVE)

	$I = A/(B+T_c)^E$					
	A	B	E	T_c	I	
2 YR	53.00	10.00	0.82	17.01	3.55	"/hr.
5 YR	64.00	12.00	0.79	17.01	4.48	"/hr.
10 YR	74.00	12.00	0.79	17.01	5.17	"/hr.
25 YR	93.00	15.00	0.79	17.01	6.02	"/hr.
50 YR	104.00	15.00	0.79	17.01	6.73	"/hr.
100 YR	108.00	15.00	0.77	17.01	7.49	"/hr.

ESTIMATED DISCHARGE VALUES

	<u>A</u>	<u>C</u>	<u>AxC</u>
D.A. 6	1.57	0.70	1.10
	$C = (AxC)/TOTAL$		0.70
	USE C= 0.70		

$Q_2 = 3.90 \text{ cfs}$
 $Q_5 = 4.92 \text{ cfs}$
 $Q_{10} = 5.69 \text{ cfs}$
 $Q_{25} = 6.61 \text{ cfs}$
 $Q_{50} = 7.39 \text{ cfs}$
 $Q_{100} = 8.23 \text{ cfs}$

CAPACITY OF 26' STREET W/6" CURB @ MIN. GRADE OF 0.40%

n = 0.013
A = 9.47 ft²
Wp = 27.06 ft
Rh = 0.35 ft
Slope = 0.4 %
 $Q_{\text{capacity}} = 33.90 \text{ cfs} > Q_{100}$

DRAINAGE TO POINT F (FUTURE STREET CAPACITY - HAZY BROOK CIRCLE)																																																						
DRAINAGE BASIN Total Area = 1.65 Acres																																																						
TIME OF CONCENTRATION (T_c):																																																						
<u>OVERLAND</u> Length = 172.00 ft. Elevation up = 1174.63 ft. Elevation down = 1171.86 ft. Slope = 0.016 ft./ft. K = 1 $T_c = K(L^{.37}/S^{.20}) = 15.34 \text{ min.}$																																																						
<u>CHANNEL FLOW</u> X = 0.0035 (Curbed Street) Length = 233 ft. Elevation up = 1171.86 ft. Elevation down = 1169.04 ft. Slope = 0.012 ft./ft. $T_c = X(L^2/S)^{.385} = 1.27 \text{ min.}$ Total T_c 16.61 min.																																																						
INTENSITY (IDF CURVE) <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>A</th> <th>B</th> <th>E</th> <th>T_c</th> <th>I</th> <th></th> </tr> </thead> <tbody> <tr> <td>2 YR</td> <td>53.00</td> <td>10.00</td> <td>0.82</td> <td>16.61</td> <td>3.60</td> <td>"/hr.</td> </tr> <tr> <td>5 YR</td> <td>64.00</td> <td>12.00</td> <td>0.79</td> <td>16.61</td> <td>4.52</td> <td>"/hr.</td> </tr> <tr> <td>10 YR</td> <td>74.00</td> <td>12.00</td> <td>0.79</td> <td>16.61</td> <td>5.23</td> <td>"/hr.</td> </tr> <tr> <td>25 YR</td> <td>93.00</td> <td>15.00</td> <td>0.79</td> <td>16.61</td> <td>6.08</td> <td>"/hr.</td> </tr> <tr> <td>50 YR</td> <td>104.00</td> <td>15.00</td> <td>0.79</td> <td>16.61</td> <td>6.79</td> <td>"/hr.</td> </tr> <tr> <td>100 YR</td> <td>108.00</td> <td>15.00</td> <td>0.77</td> <td>16.61</td> <td>7.56</td> <td>"/hr.</td> </tr> </tbody> </table>							A	B	E	T_c	I		2 YR	53.00	10.00	0.82	16.61	3.60	"/hr.	5 YR	64.00	12.00	0.79	16.61	4.52	"/hr.	10 YR	74.00	12.00	0.79	16.61	5.23	"/hr.	25 YR	93.00	15.00	0.79	16.61	6.08	"/hr.	50 YR	104.00	15.00	0.79	16.61	6.79	"/hr.	100 YR	108.00	15.00	0.77	16.61	7.56	"/hr.
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ESTIMATED DISCHARGE VALUES <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>A</th> <th>C</th> <th>AxC</th> </tr> </thead> <tbody> <tr> <td>D.A. 7</td> <td>1.65</td> <td>0.70</td> <td>1.16</td> </tr> <tr> <td></td> <td colspan="2">C = (AxC)/TOTAL</td> <td>0.70</td> </tr> <tr> <td></td> <td colspan="3" style="text-align: center;">USE C= 0.70</td> </tr> <tr> <td>$Q_2 =$</td> <td colspan="3">4.15 cfs</td> </tr> <tr> <td>$Q_5 =$</td> <td colspan="3">5.23 cfs</td> </tr> <tr> <td>$Q_{10} =$</td> <td colspan="3">6.04 cfs</td> </tr> <tr> <td>$Q_{25} =$</td> <td colspan="3">7.02 cfs</td> </tr> <tr> <td>$Q_{50} =$</td> <td colspan="3">7.85 cfs</td> </tr> <tr> <td>$Q_{100} =$</td> <td colspan="3">8.73 cfs</td> </tr> </tbody> </table>							A	C	AxC	D.A. 7	1.65	0.70	1.16		C = (AxC)/TOTAL		0.70		USE C= 0.70			$Q_2 =$	4.15 cfs			$Q_5 =$	5.23 cfs			$Q_{10} =$	6.04 cfs			$Q_{25} =$	7.02 cfs			$Q_{50} =$	7.85 cfs			$Q_{100} =$	8.73 cfs											
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CAPACITY OF 26' STREET W/6" CURB @ MIN. GRADE OF 0.40% n = 0.013 A = 9.47 ft² Wp = 27.06 ft Rh = 0.35 ft Slope = 0.4 % $Q_{\text{capacity}} = 33.90 \text{ cfs} > Q_{100}$																																																						

DRAINAGE TO POINT G (FUTURE STREET CAPACITY - SHADY MEADOW WAY)						
DRAINAGE BASIN						
Total Area =		1.28 Acres				
TIME OF CONCENTRATION (T_c):						
<u>OVERLAND</u>						
Length =		137.00 ft.				
Elevation up =		1176.67 ft.				
Elevation down =		1172.76 ft.				
Slope =		0.029 ft./ft.				
K =		1				
T _c = $K(L^{.37}/S^{.20}) =$		12.57 min.				
<u>CHANNEL FLOW</u>						
X =		0.0035 (Curbed Street)				
Length =		183 ft.				
Elevation up =		1172.76 ft.				
Elevation down =		1170.01 ft.				
Slope =		0.015 ft./ft.				
T _c = $X(L^2/S)^{.385}$		0.97 min.				
Total T_c		13.55 min.				
INTENSITY (IDF CURVE)						
$I = A/(B+T_c)^E$						
	A	B	E	T_c	I	
2 YR	53.00	10.00	0.82	13.55	3.97	"/hr.
5 YR	64.00	12.00	0.79	13.55	4.95	"/hr.
10 YR	74.00	12.00	0.79	13.55	5.72	"/hr.
25 YR	93.00	15.00	0.79	13.55	6.59	"/hr.
50 YR	104.00	15.00	0.79	13.55	7.36	"/hr.
100 YR	108.00	15.00	0.77	13.55	8.18	"/hr.
ESTIMATED DISCHARGE VALUES						
D.A. 8		<u>A</u>	<u>C</u>	<u>AxC</u>		
		1.28	0.70	0.90		
		C = (AxC)/TOTAL			0.70	
		USE C= 0.70				
Q ₂ =		3.56 cfs				
Q ₅ =		4.43 cfs				
Q ₁₀ =		5.13 cfs				
Q ₂₅ =		5.90 cfs				
Q ₅₀ =		6.60 cfs				
Q ₁₀₀ =		7.33 cfs				
CAPACITY OF 26' STREET W/6" CURB @ MIN. GRADE OF 0.40%						
n =		0.013				
A =		9.47 ft ²				
Wp =		27.06 ft				
Rh =		0.35 ft				
Slope =		0.4 %				
Q _{capacity} =		33.90 cfs > Q ₁₀₀				

DRAINAGE TO POINT H (EXISTING STREET CAPACITY - HICKORY STICK DRIVE)**DRAINAGE BASIN**

Total Area = 10.47 Acres

TIME OF CONCENTRATION (T_c):**OVERLAND**

Length = 237.00 ft.
Elevation up = 1185.00 ft.
Elevation down = 1179.50 ft.
Slope = 0.023 ft./ft.
K = 1
 $T_c = K(L^{.37}/S^{.20}) = 16.05 \text{ min.}$

CHANNEL FLOW

X = 0.0035 (Curbed Street)
Length = 445 ft.
Elevation up = 1179.50 ft.
Elevation down = 1174.52 ft.
Slope = 0.011 ft./ft.
 $T_c = X(L^2/S)^{.385} = 2.16 \text{ min.}$
Total T_c 18.21 min.

INTENSITY (IDF CURVE)

	$I = A/(B+T_c)^E$					
	A	B	E	T_c	I	
2 YR	53.00	10.00	0.82	18.21	3.43	"/hr.
5 YR	64.00	12.00	0.79	18.21	4.33	"/hr.
10 YR	74.00	12.00	0.79	18.21	5.01	"/hr.
25 YR	93.00	15.00	0.79	18.21	5.84	"/hr.
50 YR	104.00	15.00	0.79	18.21	6.53	"/hr.
100 YR	108.00	15.00	0.77	18.21	7.28	"/hr.

ESTIMATED DISCHARGE VALUES

	<u>A</u>	<u>C</u>	<u>AxC</u>
D.A. 9	10.47	0.70	7.33
	$C = (AxC)/TOTAL$		0.70
	USE C= 0.70		

$Q_2 = 25.12 \text{ cfs}$
 $Q_5 = 31.76 \text{ cfs}$
 $Q_{10} = 36.72 \text{ cfs}$
 $Q_{25} = 42.83 \text{ cfs}$
 $Q_{50} = 47.89 \text{ cfs}$
 $Q_{100} = 53.34 \text{ cfs}$

CAPACITY OF EXISTING 26' STREET W/6" CURB @ MIN. GRADE OF 1.18%

n = 0.013
A = 9.47 ft²
Wp = 27.06 ft
Rh = 0.35 ft
Slope = 1.18 %
 $Q_{\text{capacity}} = 58.22 \text{ cfs} > Q_{100}$

DRAINAGE TO POINT I (FUTURE STORM SEWER - ON GRADE)

DRAINAGE BASIN

Total Area = 11.15 Acres

TIME OF CONCENTRATION (T_c):

OVERLAND

Length = 237.00 ft.
 Elevation up = 1185.00 ft.
 Elevation down = 1179.50 ft.
 Slope = 0.023 ft./ft.
 K = 1
 $T_c = K(L^{.37}/S^{.20}) = 16.05 \text{ min.}$

CHANNEL FLOW

X = 0.0035 (Curbed Street)
 Length = 652 ft.
 Elevation up = 1179.50 ft.
 Elevation down = 1171.51 ft.
 Slope = 0.012 ft./ft.
 $T_c = X(L^2/S)^{.385} = 2.80 \text{ min.}$

Total T_c = 18.85 min.

INTENSITY (IDF CURVE)

$$I = A/(B+T_c)^E$$

	A	B	E	T_c	I	
2 YR	53.00	10.00	0.82	18.85	3.36	"/hr.
5 YR	64.00	12.00	0.79	18.85	4.26	"/hr.
10 YR	74.00	12.00	0.79	18.85	4.93	"/hr.
25 YR	93.00	15.00	0.79	18.85	5.76	"/hr.
50 YR	104.00	15.00	0.79	18.85	6.44	"/hr.
100 YR	108.00	15.00	0.77	18.85	7.17	"/hr.

ESTIMATED DISCHARGE VALUES

	A	C	AxC
D.A. 9	10.47	0.70	7.33
D.A. 10	0.68	0.70	0.48
$C = (AxC)/TOTAL$			0.70
USE C= 0.70			

$Q_2 = 26.26 \text{ cfs}$
 $Q_5 = 33.27 \text{ cfs}$
 $Q_{10} = 38.47 \text{ cfs}$
 $Q_{25} = 44.93 \text{ cfs}$
 $Q_{50} = 50.24 \text{ cfs}$
 $Q_{100} = 55.98 \text{ cfs}$

CAPACITY OF EXISTING 26' STREET W/6" CURB @ MIN. GRADE OF 1.20%

n = 0.013
 A = 9.47 ft²
 Wp = 27.06 ft
 Rh = 0.35 ft
 Slope = 1.2 %
 $Q_{capacity} = 58.71 \text{ cfs} > Q_{100}$

DRAINAGE TO POINT I - CONTINUED

CAPACITY OF (2) D-2-2 INLETS

Q_{capacity} D-2-2 INLET=	18.20 cfs
Q_{capacity} D-2-2 INLET=	18.20 cfs
Total Q_{capacity} =	36.40 cfs > Q_{10}

CAPACITY OF 24" RCP

n =	0.013	
D=	2 ft	24 in. (or equivalent)
A =	3.14 ft ²	
Wp =	6.28 ft	
Rh =	0.50 ft	
Slope =	1 %	
# OF PIPES	1	
Q_{capacity} =	22.56 cfs > D-2-2 Inlet Capacity	

CAPACITY OF 30" RCP

n =	0.013	
D=	2.5 ft	30 in. (or equivalent)
A =	4.91 ft ²	
Wp =	7.85 ft	
Rh =	0.63 ft	
Slope =	1 %	
# OF PIPES	1	
Q_{capacity} =	40.93 cfs > Q_{10}	

DRAINAGE TO POINT J (FUTURE STUB STREET - SLEEPY HOLLOW BOULEVARD)						
DRAINAGE BASIN						
Total Area =		15.92 Acres				
TIME OF CONCENTRATION (T_c):						
<u>OVERLAND</u>						
Length =		237.00 ft.				
Elevation up =		1185.00 ft.				
Elevation down =		1179.50 ft.				
Slope =		0.023 ft./ft.				
K =		1				
T _c = K(L ^{.37} /S ^{.20}) =		16.05 min.				
<u>CHANNEL FLOW</u>						
X =		0.0035 (Curbed Street)				
Length =		1145 ft.				
Elevation up =		1179.50 ft.				
Elevation down =		1164.00 ft.				
Slope =		0.014 ft./ft.				
T _c = X(L ² /S) ^{.385}		4.16 min.				
Total T_c		20.21 min.				
INTENSITY (IDF CURVE)						
		I = A/(B+T_c)^E				
		A	B	E	T_c	I
2 YR	53.00	10.00	0.82	20.21	3.24	"/hr.
5 YR	64.00	12.00	0.79	20.21	4.12	"/hr.
10 YR	74.00	12.00	0.79	20.21	4.76	"/hr.
25 YR	93.00	15.00	0.79	20.21	5.58	"/hr.
50 YR	104.00	15.00	0.79	20.21	6.24	"/hr.
100 YR	108.00	15.00	0.77	20.21	6.96	"/hr.
ESTIMATED DISCHARGE VALUES						
		A	C	AxC		
	D.A. 9	10.47	0.70	7.33		
	D.A. 10	0.68	0.70	0.48		
	D.A. 11	1.79	0.70	1.25		
	D.A. 12	2.98	0.70	2.09		
		C = (AxC)/TOTAL		0.70		
		USE C= 0.70				
			Q OFF @ K	Q REMAINING		
	Q₂ =	36.11 cfs	26.26	cfs	9.85 cfs	
	Q₅ =	45.91 cfs	33.27	cfs	12.64 cfs	
	Q₁₀ =	53.09 cfs	36.40	cfs	16.69 cfs	
	Q₂₅ =	62.18 cfs	36.40	cfs	25.78 cfs	
	Q₅₀ =	69.54 cfs	36.40	cfs	33.14 cfs	
	Q₁₀₀ =	77.54 cfs	36.40	cfs	41.14 cfs	
CAPACITY OF EXISTING 26' STREET W/6" CURB @ MIN. GRADE OF 2.00%						
	n =	0.013				
	A =	9.47 ft ²				
	Wp =	27.06 ft				
	Rh =	0.35 ft				
	Slope =	2 %				
	Q _{capacity} =	75.80 cfs > Q ₁₀₀				

DRAINAGE TO POINT K (FUTURE STORM SEWER - AT SUMP)

DRAINAGE BASIN

Total Area = 4.94 Acres

TIME OF CONCENTRATION (T_c):

OVERLAND

Length = 237.00 ft.
 Elevation up = 1173.29 ft.
 Elevation down = 1166.95 ft.
 Slope = 0.027 ft./ft.
 K = 1
 $T_c = K(L^{.37}/S^{.20}) = 15.60 \text{ min.}$

CHANNEL FLOW

X = 0.0035 (Curbed Street)
 Length = 847 ft.
 Elevation up = 1166.95 ft.
 Elevation down = 1160.04 ft.
 Slope = 0.008 ft./ft.
 $T_c = X(L^2/S)^{.385} = 4.00 \text{ min.}$
Total T_c = 19.61 min.

INTENSITY (IDF CURVE)

	$I = A/(B+T_c)^E$					
	A	B	E	T_c	I	
2 YR	53.00	10.00	0.82	19.61	3.29	"/hr.
5 YR	64.00	12.00	0.79	19.61	4.18	"/hr.
10 YR	74.00	12.00	0.79	19.61	4.84	"/hr.
25 YR	93.00	15.00	0.79	19.61	5.66	"/hr.
50 YR	104.00	15.00	0.79	19.61	6.33	"/hr.
100 YR	108.00	15.00	0.77	19.61	7.05	"/hr.

ESTIMATED DISCHARGE VALUES

D.A. 13

A	C	AxC
4.94	0.70	3.46
C = (AxC)/TOTAL		0.70
USE C= 0.70		

$Q_2 = 11.39 \text{ cfs}$
 $Q_5 = 14.46 \text{ cfs}$
 $Q_{10} = 16.72 \text{ cfs}$
 $Q_{25} = 19.56 \text{ cfs}$
 $Q_{50} = 21.87 \text{ cfs}$
 $Q_{100} = 24.38 \text{ cfs}$

CAPACITY OF 26' STREET W/6" CURB @ MIN. GRADE OF 0.40%

n = 0.013
 A = 9.47 ft²
 Wp = 27.06 ft
 Rh = 0.35 ft
 Slope = 0.4 %
 $Q_{\text{capacity}} = 33.90 \text{ cfs} > Q_{100}$

DRAINAGE TO POINT K - CONT.

CAPACITY OF (1) D-2-3 INLETS

$Q_{\text{capacity D-2-3 INLET}} = 23.20 \text{ cfs}$
 $\text{Total } Q_{\text{capacity}} = 23.20 \text{ cfs} > Q_{50}$

CAPACITY OF 24" RCP

$n = 0.013$
 $D = 2 \text{ ft}$ 24 in. (or equivalent)
 $A = 3.14 \text{ ft}^2$
 $W_p = 6.28 \text{ ft}$
 $R_h = 0.50 \text{ ft}$
 $\text{Slope} = 2 \%$
 $\# \text{ OF PIPES} = 1$
 $Q_{\text{capacity}} = 31.90 \text{ cfs} > Q_{100}$

CAPACITY OF OVERFLOW CONCRETE FLUME

$n = 0.013$		<u>Q REMAINING</u>
Width = 4 ft		$Q_2 = 0 \text{ cfs}$
Depth = 0.5 ft		$Q_5 = 0 \text{ cfs}$
$A = 2.00 \text{ ft}^2$		$Q_{10} = 0 \text{ cfs}$
$W_p = 5.00 \text{ ft}$		$Q_{25} = 0 \text{ cfs}$
$R_h = 0.40 \text{ ft}$		$Q_{50} = 0 \text{ cfs}$
$\text{Slope} = 1 \%$		$Q_{100} = 1.18 \text{ cfs}$
$Q_{\text{capacity}} = 12.37 \text{ cfs} > Q_{100} \text{ Remaining}$		

Appendix B: Flood Study Calculations

DRAINAGE TO EXISTING DBL CELL 10'x6' RCB (PROPOSED CONDITIONS)

DRAINAGE BASIN

Total Area = 493.46 Acres

TIME OF CONCENTRATION (T_c):

OVERLAND

Length = 300.00 ft.
 Elevation up = 1255.00 ft.
 Elevation down = 1242.00 ft.
 Slope = 0.043 ft./ft.
 K = 1 (Average grass)
 $T_c = K(L^{.37}/S^{.20}) = 15.46 \text{ min.}$

CHANNEL FLOW

Length = 8706 ft.
 Avg. Velocity = 6 ft./sec.
 $T_c = L / \text{Avg. Velocity} = 24.18 \text{ min.}$

 Total T_c **39.64 min.**

INTENSITY (IDF CURVE)

$$I = A/(B+T_c)^E$$

	A	B	E	T_c	I	
2 YR	104.33	17.30	0.93	39.64	2.43	"/hr.
5 YR	79.66	14.83	0.83	39.64	2.89	"/hr.
10 YR	87.54	15.88	0.81	39.64	3.38	"/hr.
25 YR	101.48	16.77	0.81	39.64	3.87	"/hr.
50 YR	98.92	15.86	0.78	39.64	4.31	"/hr.
100 YR	102.77	15.86	0.76	39.64	4.86	"/hr.

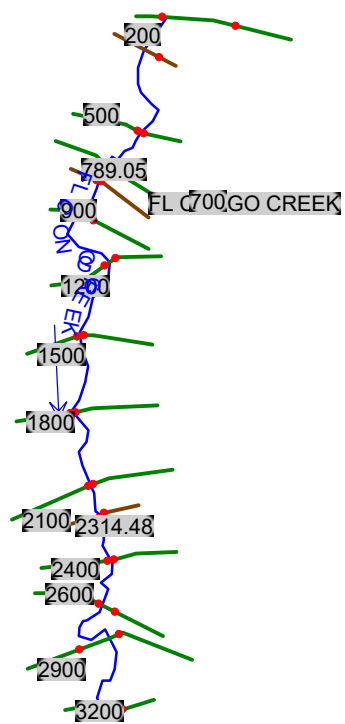
ESTIMATED DISCHARGE VALUES

	<u>A</u>	<u>C</u>	<u>AxC</u>
OFF-SITE D.A. 1 (UNDEVELOPED)	323.43	0.30	97.03
OFF-SITE D.A. 2 (RESIDENTIAL)	54.44	0.50	27.22
OFF-SITE D.A. 3 (COMMERCIAL)	18.75	0.95	17.81
OFF-SITE D.A. 4 (RESIDENTIAL)	52.76	0.5	26.38
ON-SITE D.A. 5 (SINGLE FAMILY RESIDENTIAL)	35.72	0.50	17.86
ON-SITE D.A. 6 (TWO FAMILY RESIDENTIAL)	8.36	0.60	5.02
	$C = (AxC)/TOTAL$		0.39

USE C= 0.39

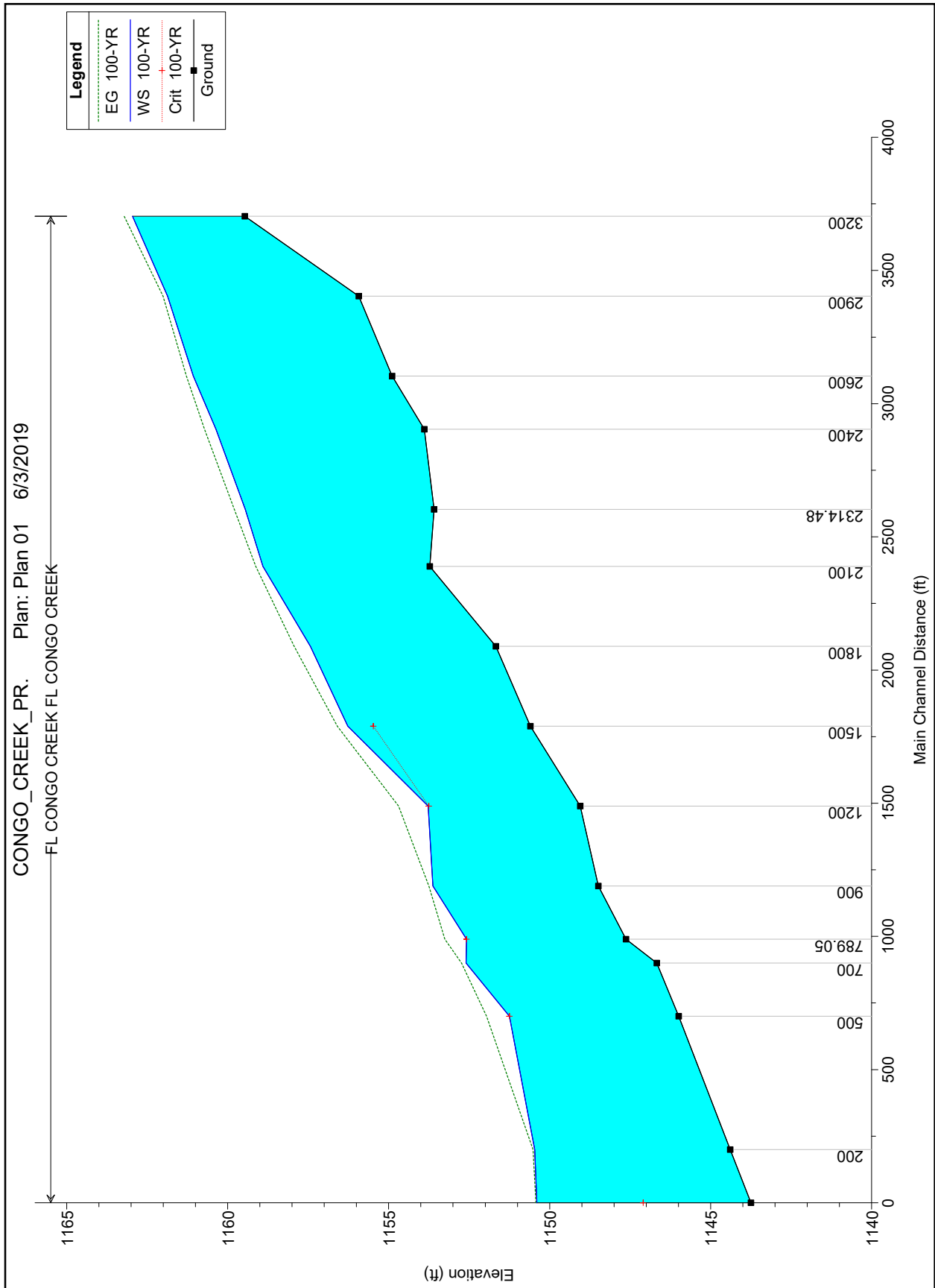
$Q_2 = 467.92 \text{ cfs}$
 $Q_5 = 555.31 \text{ cfs}$
 $Q_{10} = 650.89 \text{ cfs}$
 $Q_{25} = 744.88 \text{ cfs}$
 $Q_{50} = 829.93 \text{ cfs}$
 $Q_{100} = 934.35 \text{ cfs}$

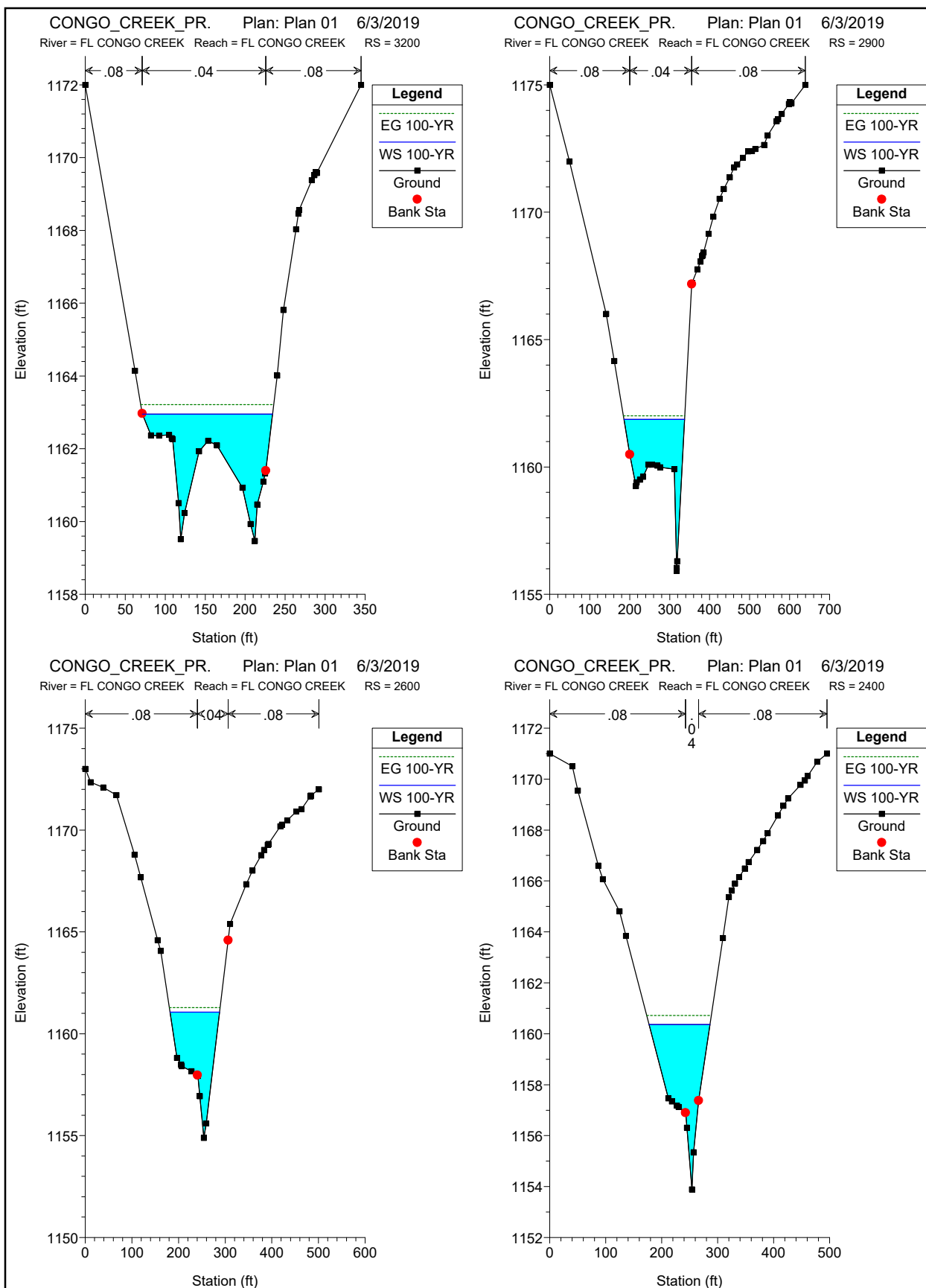
Appendix C: HEC-RAS Results

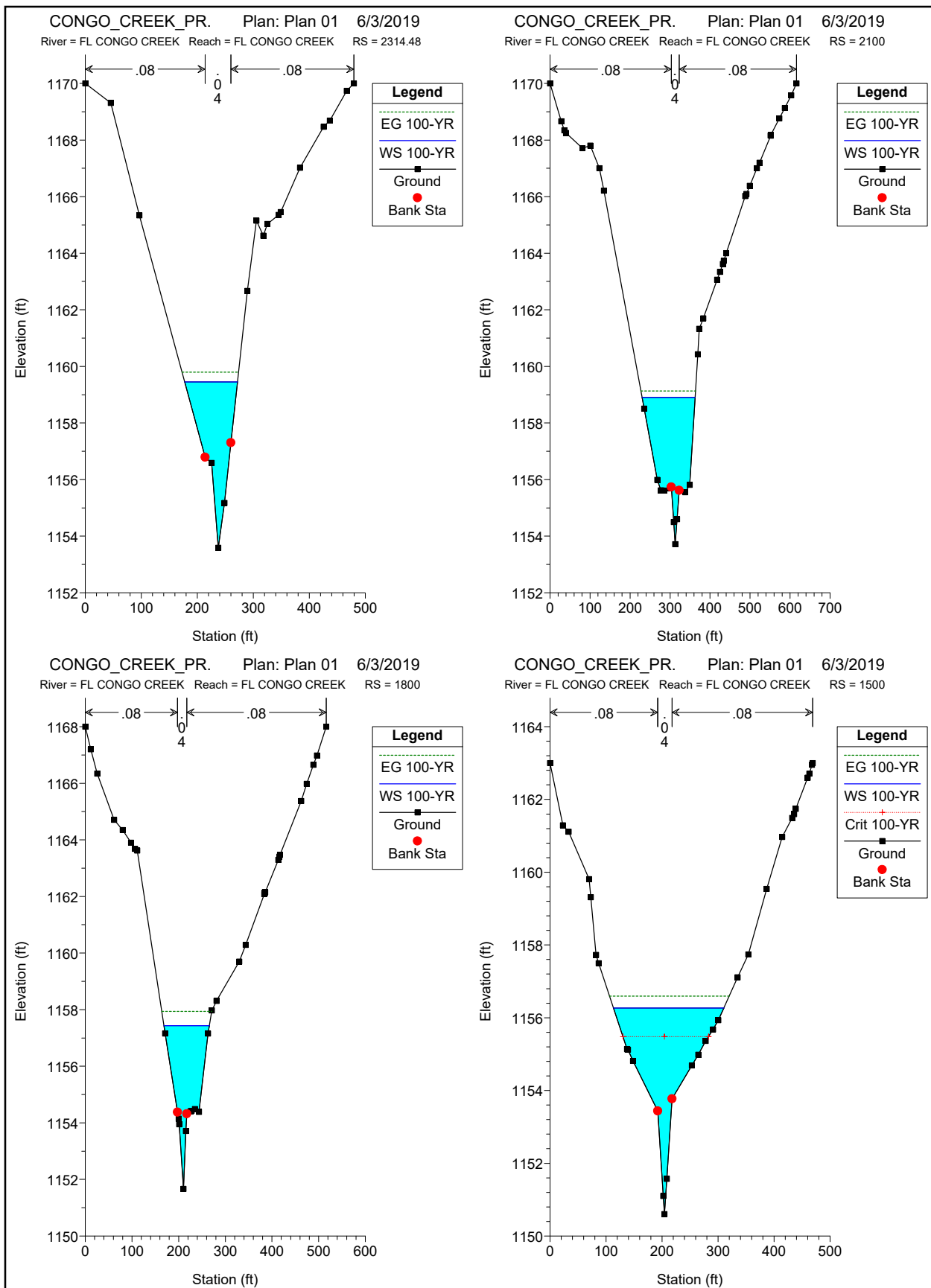


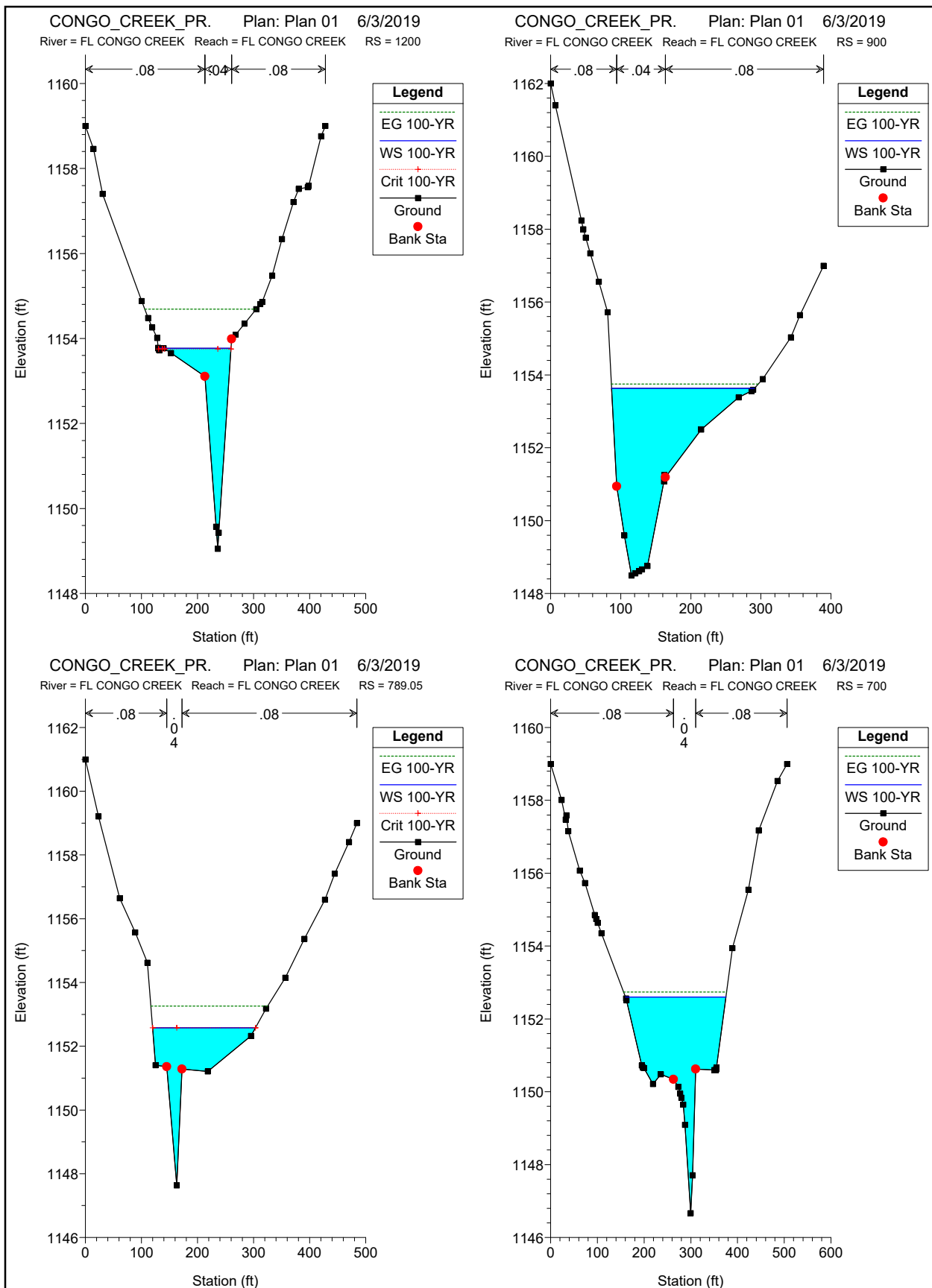
Some schematic data outside default extents (see View/Set Schematic Plot Extents...)

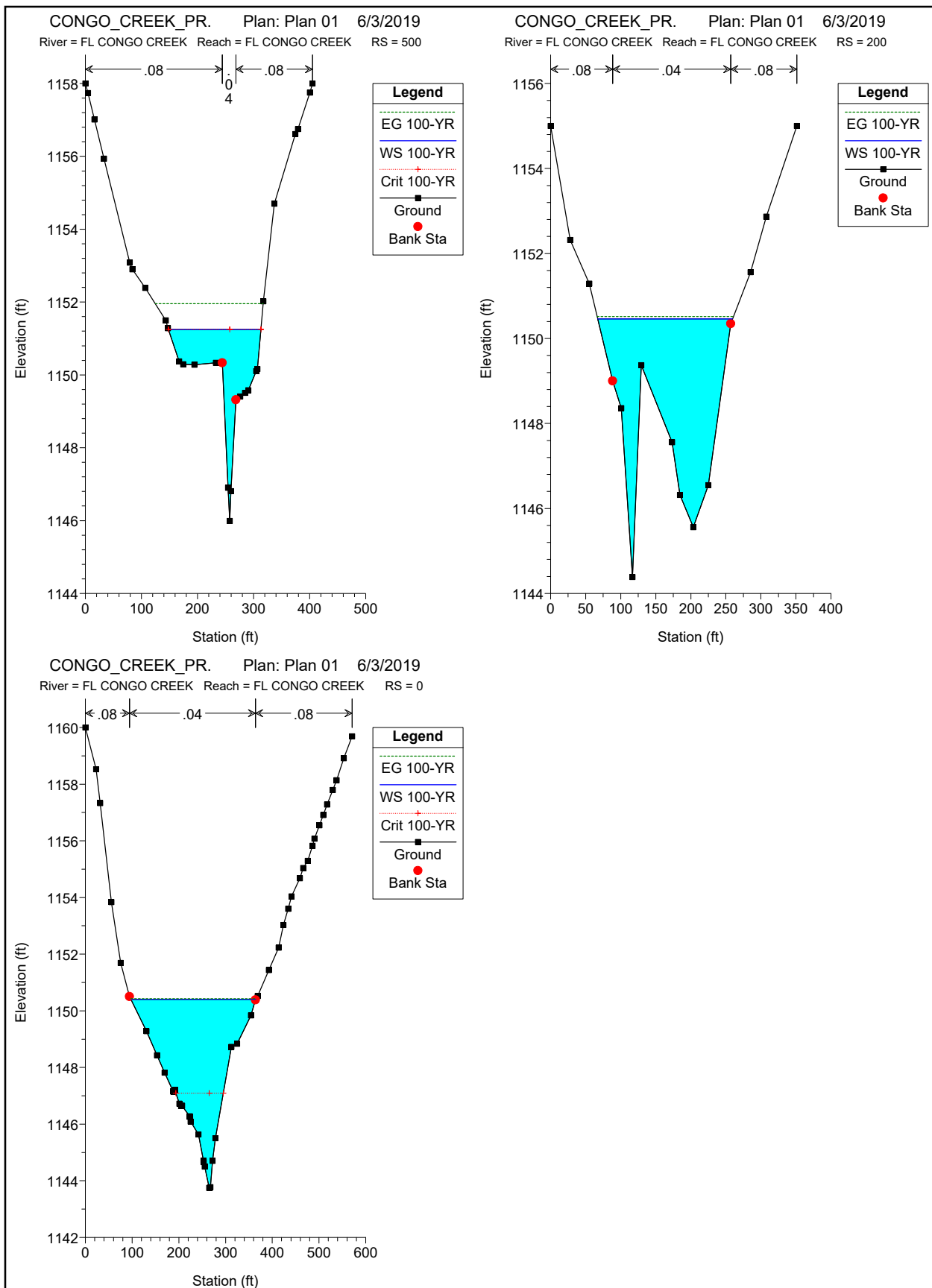
Reach	River Sta	Profile	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
FL CONGO CREEK	3200	100-YR	934.35	1159.47	1162.95		1163.21	0.007353	4.10	232.62	162.73	0.60
FL CONGO CREEK	2900	100-YR	934.35	1155.93	1161.87		1162.01	0.002403	3.06	313.14	151.58	0.36
FL CONGO CREEK	2600	100-YR	934.35	1154.89	1161.07		1161.28	0.002383	4.20	307.92	106.03	0.39
FL CONGO CREEK	2400	100-YR	934.35	1153.89	1160.36		1160.72	0.003204	5.71	286.78	108.67	0.47
FL CONGO CREEK	2314.48	100-YR	934.35	1153.59	1159.45		1159.80	0.002935	4.88	237.87	94.37	0.44
FL CONGO CREEK	2100	100-YR	934.35	1153.72	1158.91		1159.13	0.002947	5.20	358.36	132.61	0.45
FL CONGO CREEK	1800	100-YR	934.35	1151.67	1157.43		1157.94	0.005339	6.98	240.94	97.20	0.59
FL CONGO CREEK	1500	100-YR	934.35	1150.60	1156.27	1155.48	1156.59	0.003539	5.62	347.52	197.29	0.49
FL CONGO CREEK	1200	100-YR	934.35	1149.05	1153.77	1153.76	1154.69	0.013157	7.79	141.06	129.45	0.87
FL CONGO CREEK	900	100-YR	934.35	1148.49	1153.63		1153.75	0.000932	2.94	431.13	203.73	0.25
FL CONGO CREEK	789.05	100-YR	934.35	1147.63	1152.58	1152.58	1153.26	0.010311	7.81	235.81	183.50	0.78
FL CONGO CREEK	700	100-YR	934.35	1146.67	1152.60		1152.74	0.001829	3.62	455.56	215.27	0.34
FL CONGO CREEK	500	100-YR	934.35	1145.99	1151.25	1151.25	1151.96	0.010168	8.04	226.13	165.00	0.78
FL CONGO CREEK	200	100-YR	934.35	1144.39	1150.46		1150.52	0.000575	1.84	520.56	192.34	0.19
FL CONGO CREEK	0	100-YR	934.35	1143.75	1150.40	1147.10	1150.43	0.000303	1.27	735.06	266.82	0.13











CONGO_CREEK_PR.rep

HEC-RAS HEC-RAS 5.0.3 September 2016
U.S. Army Corps of Engineers
Hydrologic Engineering Center
609 Second Street
Davis, California

```

X      X  XXXXXX   XXXX      XXXX      XX      XXXX
X      X  X        X   X      X   X      X   X      X
X      X  X        X        X   X      X   X      X
XXXXXXXX XXXX      X        XXX XXXX      XXXXXX   XXXX
X      X  X        X        X   X      X   X          X
X      X  X        X   X      X   X      X   X          X
X      X  XXXXXX   XXXX      X   X      X   X      XXXXX

```

PROJECT DATA

Project Title: CONGO_CREEK_PR.
Project File : CONGO_CREEK_PR.prj
Run Date and Time: 6/3/2019 10:05:26 AM

Project in English units

PLAN DATA

Plan Title: Plan 01

Plan File :

g:\16610400_SLEEPYHOL3\INFRASTRUCTURE\CIVIL\Reports\Drainage\HEC-RAS\CONGO CREEK
PROPOSED CONDITION\CONGO_CREEK_PR.p01

Geometry Title: CONGO CREEK PROPOSED

Geometry File :

g:\16610400_SLEEPYHOL3\INFRASTRUCTURE\CIVIL\Reports\Drainage\HEC-RAS\CONGO CREEK
PROPOSED CONDITION\CONGO_CREEK_PR.g02

Flow Title : Flow 01

Flow File :

g:\16610400_SLEEPYHOL3\INFRASTRUCTURE\CIVIL\Reports\Drainage\HEC-RAS\CONGO CREEK
PROPOSED CONDITION\CONGO_CREEK_PR.f01

Plan Summary Information:

Number of: Cross Sections	=	15	Multiple Openings	=	0
Culverts	=	0	Inline Structures	=	0

CONGO_CREEK_PR.rep
Bridges = 0 Lateral Structures = 0

Computational Information

Water surface calculation tolerance = 0.01
Critical depth calculation tolerance = 0.01
Maximum number of iterations = 20
Maximum difference tolerance = 0.3
Flow tolerance factor = 0.001

Computation Options

Critical depth computed only where necessary
Conveyance Calculation Method: At breaks in n values only
Friction Slope Method: Average Conveyance
Computational Flow Regime: Subcritical Flow

FLOW DATA

Flow Title: Flow 01

Flow File :

g:\16610400_SLEEPYHOL3\INFRASTRUCTURE\CIVIL\Reports\Drainage\HEC-RAS\CONGO CREEK
PROPOSED CONDITION\CONGO_CREEK_PR.f01

Flow Data (cfs)

River	Reach	RS	100-YR
FL CONGO CREEK	FL CONGO CREEK	3200	934.35

Boundary Conditions

River	Reach	Profile	Upstream
Downstream			
FL CONGO CREEK	FL CONGO CREEK	100-YR	Normal S = 0.005
Known WS = 1150.4			

GEOMETRY DATA

Geometry Title: CONGO CREEK PROPOSED

CONGO_CREEK_PR.rep

Geometry File :

g:\16610400_SLEEPYHOL3\INFRASTRUCTURE\CIVIL\Reports\Drainage\HEC-RAS\CONGO CREEK
PROPOSED CONDITION\CONGO_CREEK_PR.g02

CROSS SECTION

RIVER: FL CONGO CREEK

REACH: FL CONGO CREEK RS: 3200

INPUT

Description:

Station Elevation Data num= 31

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	1172	62.36	1164.14	71.24	1162.97	82.28	1162.37	92.39	1162.36
104.96	1162.38	108.16	1162.29	109.34	1162.26	116.76	1160.51	119.55	1159.51
124.28	1160.23	142.47	1161.93	153.64	1162.22	164.69	1162.09	196.57	1160.93
206.69	1159.93	212	1159.47	214.96	1160.47	222.91	1161.1	224.85	1161.32
225.65	1161.4	240.14	1164.01	247.96	1165.81	263.47	1168.03	266.57	1168.47
267.35	1168.56	283.36	1169.38	286.52	1169.52	288.34	1169.6	289.42	1169.58
344.79	1172								

Manning's n Values

num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.08	71.24	.04	225.65	.08

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff Contr.	Expan.
	71.24	225.65		300	300	.1	.3

CROSS SECTION OUTPUT Profile #100-YR

E.G. Elev (ft)	1163.21	Element	Left OB	Channel
Right OB				
Vel Head (ft)	0.26	Wt. n-Val.		0.040
0.080				
W.S. Elev (ft)	1162.95	Reach Len. (ft)	300.00	300.00
300.00				
Crit W.S. (ft)		Flow Area (sq ft)		225.92
6.70				
E.G. Slope (ft/ft)	0.007353	Area (sq ft)		225.92
6.70				
Q Total (cfs)	934.35	Flow (cfs)		925.43
8.92				
Top Width (ft)	162.73	Top Width (ft)		154.11
8.63				
Vel Total (ft/s)	4.02	Avg. Vel. (ft/s)		4.10
1.33				

CONGO_CREEK_PR.rep				
Max Chl Dpth (ft)	3.48	Hydr. Depth (ft)		1.47
0.78				
Conv. Total (cfs)	10896.1	Conv. (cfs)		10792.0
104.0				
Length Wtd. (ft)	300.00	Wetted Per. (ft)		154.94
8.76				
Min Ch El (ft)	1159.47	Shear (lb/sq ft)		0.67
0.35				
Alpha	1.03	Stream Power (lb/ft s)		2.74
0.47				
Frctn Loss (ft)	1.17	Cum Volume (acre-ft)	5.81	17.01
4.55				
C & E Loss (ft)	0.03	Cum SA (acres)	4.18	5.71
3.18				

Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.

Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.

CROSS SECTION

RIVER: FL CONGO CREEK
 REACH: FL CONGO CREEK RS: 2900

INPUT

Description:

Station Elevation Data		num=		44					
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	1175.49	105	1172	141.25	1166.01	161.5	1164.16	200	1160.49
215.52	1159.25	217.67	1159.4	225.68	1159.5	233.64	1159.61	247.43	1160.09
255.76	1160.09	269.43	1160.05	276.58	1159.99	311.59	1159.91	317.25	1156.04
317.4	1155.93	318.71	1156.3	354.79	1167.18	355.73	1167.22	369.38	1167.76
376.95	1168.06	381.52	1168.27	383.24	1168.32	384.86	1168.42	397.32	1169.15
409.48	1169.83	424.54	1170.53	435.73	1170.91	450.42	1171.37	460.85	1171.76
468.57	1171.88	482.97	1172.14	496.28	1172.39	505.92	1172.4	514.26	1172.48
536.45	1172.64	545.29	1173.02	568.01	1173.58	571.5	1173.65	580.38	1173.86
598.1	1174.25	601.08	1174.32	604.79	1174.28	639.33	1175		

Manning's n Values		num=		3	
Sta	n Val	Sta	n Val	Sta	n Val
0	.08	200	.04	354.79	.08

CONGO_CREEK_PR.rep

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff	Contr.	Expan.
200	354.79	300	300	300		.1	.3

CROSS SECTION OUTPUT Profile #100-YR

E.G. Elev (ft)	1162.01	Element	Left OB	Channel
Right OB				
Vel Head (ft)	0.14	Wt. n-Val.	0.080	0.040
W.S. Elev (ft)	1161.87	Reach Len. (ft)	300.00	300.00
300.00				
Crit W.S. (ft)		Flow Area (sq ft)	9.91	303.23
E.G. Slope (ft/ft)	0.002403	Area (sq ft)	9.91	303.23
Q Total (cfs)	934.35	Flow (cfs)	7.01	927.34
Top Width (ft)	151.58	Top Width (ft)	14.42	137.16
Vel Total (ft/s)	2.98	Avg. Vel. (ft/s)	0.71	3.06
Max Chl Dpth (ft)	5.93	Hydr. Depth (ft)	0.69	2.21
Conv. Total (cfs)	19060.0	Conv. (cfs)	142.9	18917.1
Length Wtd. (ft)	300.00	Wetted Per. (ft)	14.49	139.33
Min Ch El (ft)	1155.93	Shear (lb/sq ft)	0.10	0.33
Alpha	1.04	Stream Power (lb/ft s)	0.07	1.00
Frctn Loss (ft)	0.72	Cum Volume (acre-ft)	5.78	15.19
4.53				
C & E Loss (ft)	0.01	Cum SA (acres)	4.13	4.70
3.15				

CROSS SECTION

RIVER: FL CONGO CREEK
 REACH: FL CONGO CREEK RS: 2600

INPUT

Description:
 Station Elevation Data num= 34

CONGO_CREEK_PR.rep

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	1173.11	11.58	1172.35	38.98	1172.09	66.83	1171.72	105.61	1168.79
119.15	1167.68	155.44	1164.59	162	1164.07	196.63	1158.82	205.8	1158.49
206.84	1158.41	227.58	1158.16	240.53	1157.97	241.39	1157.93	245.69	1156.93
254.07	1154.89	259.31	1155.6	306.26	1164.59	310.26	1165.39	345.21	1167.34
358.45	1168.01	377.43	1168.77	383.48	1169.02	391.29	1169.27	392.83	1169.32
418.43	1170.18	421.74	1170.26	432.95	1170.47	452.6	1170.91	463.87	1171.03
482.54	1171.66	483.07	1171.68	483.52	1171.69	500.79	1172		

Manning's n Values		num=		3	
Sta	n Val	Sta	n Val	Sta	n Val
0	.08	240.53	.04	306.26	.08

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff Contr.	Expan.
	240.53	306.26		200	200	.1	.3

CROSS SECTION OUTPUT Profile #100-YR

E.G. Elev (ft)	1161.28	Element	Left OB	Channel
Right OB				
Vel Head (ft)	0.22	Wt. n-Val.	0.080	0.040
W.S. Elev (ft)	1161.07	Reach Len. (ft)	200.00	200.00
200.00				
Crit W.S. (ft)		Flow Area (sq ft)	137.94	169.98
E.G. Slope (ft/ft)	0.002383	Area (sq ft)	137.94	169.98
Q Total (cfs)	934.35	Flow (cfs)	220.60	713.75
Top Width (ft)	106.03	Top Width (ft)	58.71	47.32
Vel Total (ft/s)	3.03	Avg. Vel. (ft/s)	1.60	4.20
Max Chl Dpth (ft)	6.17	Hydr. Depth (ft)	2.35	3.59
Conv. Total (cfs)	19139.7	Conv. (cfs)	4518.8	14620.8
Length Wtd. (ft)	200.00	Wetted Per. (ft)	58.89	48.25
Min Ch El (ft)	1154.89	Shear (lb/sq ft)	0.35	0.52
Alpha	1.53	Stream Power (lb/ft s)	0.56	2.20
Frctn Loss (ft)	0.55	Cum Volume (acre-ft)	5.27	13.56
4.53				
C & E Loss (ft)	0.01	Cum SA (acres)	3.88	4.07

3.15

CROSS SECTION

RIVER: FL CONGO CREEK

REACH: FL CONGO CREEK RS: 2400

INPUT

Description:

Station Elevation Data				num= 37			
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	1171.40	140.36	1170.55	0.07	1169.55	86.65	1166.69
124.6	1164.81	136.38	1163.84	212.09	1157.46	218.48	1157.34
230.07	1157.13	240.99	1156.93	241.45	1156.92	242.38	1156.9
245.06	1156.31	254	1153.89	256.85	1155.35	266.03	1157.38
319.97	1165.37	325.06	1165.62	330.9	1165.9	338.46	1166.15
355.24	1166.74	370.75	1167.22	381.39	1167.57	389.15	1167.87
417.64	1168.95	425.92	1169.24	448.07	1169.77	455.66	1169.94
478.06	1170.68	495.2	1171				

Manning's n Values				num= 3	
Sta	n Val	Sta	n Val	Sta	n Val
0	.08	242.38	.04	266.03	.08

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff	Contr.	Expan.
	242.38	266.03		300	300		.1	.3

CROSS SECTION OUTPUT Profile #100-YR

E.G. Elev (ft)	1160.72	Element	Left OB	Channel
Right OB				
Vel Head (ft)	0.36	Wt. n-Val.	0.080	0.040
0.080				
W.S. Elev (ft)	1160.36	Reach Len. (ft)	300.00	300.00
300.00				
Crit W.S. (ft)		Flow Area (sq ft)	146.45	110.08
30.25				
E.G. Slope (ft/ft)	0.003204	Area (sq ft)	146.45	110.08
30.25				
Q Total (cfs)	934.35	Flow (cfs)	264.92	628.20
41.23				
Top Width (ft)	108.67	Top Width (ft)	64.75	23.65
20.27				
Vel Total (ft/s)	3.26	Avg. Vel. (ft/s)	1.81	5.71

CONGO_CREEK_PR.rep

1.36				
Max Chl Dpth (ft)	6.47	Hydr. Depth (ft)	2.26	4.65
1.49				
Conv. Total (cfs)	16507.4	Conv. (cfs)	4680.5	11098.6
728.3				
Length Wtd. (ft)	300.00	Wetted Per. (ft)	64.88	24.62
20.49				
Min Ch El (ft)	1153.89	Shear (lb/sq ft)	0.45	0.89
0.30				
Alpha	2.16	Stream Power (lb/ft s)	0.82	5.10
0.40				
Frctn Loss (ft)	0.92	Cum Volume (acre-ft)	4.62	12.91
4.46				
C & E Loss (ft)	0.00	Cum SA (acres)	3.60	3.90
3.11				

CROSS SECTION

RIVER: FL CONGO CREEK
 REACH: FL CONGO CREEK RS: 2314.48

INPUT

Description:

Station Elevation Data		num= 19									
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	1170	45.65	1169.31	96.55	1165.34	213.94	1156.79	225.61	1156.59		
237.48	1153.59	248.33	1155.17	260	1157.303	289.37	1162.67	305.43	1165.15		
317.73	1164.62	324.93	1165.03	345.15	1165.35	348.83	1165.45	383.53	1167.02		
425.67	1168.47	436.72	1168.69	466.79	1169.74	479.67	1170				

Manning's n Values		num= 3			
Sta	n Val	Sta	n Val	Sta	n Val
0	.08	213.94	.04	260	.08

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff Contr.	Expan.
	213.94	260		214.48	214.48	.1	.3

CROSS SECTION OUTPUT Profile #100-YR

E.G. Elev (ft)	1159.80	Element	Left OB	Channel
Right OB				
Vel Head (ft)	0.34	Wt. n-Val.	0.080	0.040
0.080				
W.S. Elev (ft)	1159.45	Reach Len. (ft)	214.48	214.48

CONGO_CREEK_PR.rep

214.48				
Crit W.S. (ft)		Flow Area (sq ft)	48.66	176.58
12.64				
E.G. Slope (ft/ft)	0.002935	Area (sq ft)	48.66	176.58
12.64				
Q Total (cfs)	934.35	Flow (cfs)	59.14	862.01
13.20				
Top Width (ft)	94.37	Top Width (ft)	36.55	46.06
11.76				
Vel Total (ft/s)	3.93	Avg. Vel. (ft/s)	1.22	4.88
1.04				
Max Chl Dpth (ft)	5.86	Hydr. Depth (ft)	1.33	3.83
1.07				
Conv. Total (cfs)	17245.9	Conv. (cfs)	1091.6	15910.7
243.6				
Length Wtd. (ft)	214.48	Wetted Per. (ft)	36.65	46.74
11.96				
Min Ch El (ft)	1153.59	Shear (lb/sq ft)	0.24	0.69
0.19				
Alpha	1.43	Stream Power (lb/ft s)	0.30	3.38
0.20				
Frctn Loss (ft)	0.63	Cum Volume (acre-ft)	3.95	11.93
4.31				
C & E Loss (ft)	0.04	Cum SA (acres)	3.25	3.66
3.00				

CROSS SECTION

RIVER: FL CONGO CREEK
 REACH: FL CONGO CREEK RS: 2100

INPUT

Description:

Station Elevation Data	num=	41							
Sta Elev Sta Elev Sta Elev Sta Elev Sta Elev									
0 1170.27 91998 1168.66 35.82 996 1168.34 39.92 999 1168.25 81.07 001 1167.71									
100.89 1167.8 123.35 1167 134.37 1166.21 235.31 1158.51 268.07 1155.99									
277.08 1155.62 280.59 1155.61 285.61 1155.61 299.57 1155.69 303.16 1155.74									
308.93 1154.5 312.59 1153.72 317.64 1154.6 322.78 1155.62 337.82 1155.55									
348.98 1155.81 369.49 1160.43 373.03 1161.33 383.26 1161.7 417.75 1163.06									
424.84 1163.34 431.92 1163.62 434.41 1163.73 440.16 1164 487.62 1166.02									
490.8 1166.09 499.28 1166.38 517.4 1167 523.5 1167.2 551.43 1168.16									
551.46 1168.16 551.56 1168.17 573.23 1168.76 586.92 1169.13 602.61 1169.58									
615.98 1170									

CONGO_CREEK_PR.rep

Manning's n Values		num= 3			
Sta	n Val	Sta	n Val	Sta	n Val
0	.08	303.16	.04	322.78	.08

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff Contr.	Expan.
	303.16	322.78		300	300	.1	.3

CROSS SECTION OUTPUT Profile #100-YR

E.G. Elev (ft)	1159.13	Element	Left OB	Channel
Right OB				
Vel Head (ft)	0.22	Wt. n-Val.	0.080	0.040
0.080				
W.S. Elev (ft)	1158.91	Reach Len. (ft)	300.00	300.00
300.00				
Crit W.S. (ft)		Flow Area (sq ft)	168.24	82.88
107.23				
E.G. Slope (ft/ft)	0.002947	Area (sq ft)	168.24	82.88
107.23				
Q Total (cfs)	934.35	Flow (cfs)	295.57	431.11
207.67				
Top Width (ft)	132.61	Top Width (ft)	73.04	19.62
39.95				
Vel Total (ft/s)	2.61	Avg. Vel. (ft/s)	1.76	5.20
1.94				
Max Chl Dpth (ft)	5.19	Hydr. Depth (ft)	2.30	4.22
2.68				
Conv. Total (cfs)	17210.3	Conv. (cfs)	5444.3	7940.9
3825.1				
Length Wtd. (ft)	300.00	Wetted Per. (ft)	73.16	20.01
40.29				
Min Ch El (ft)	1153.72	Shear (lb/sq ft)	0.42	0.76
0.49				
Alpha	2.10	Stream Power (lb/ft s)	0.74	3.96
0.95				
Frctn Loss (ft)	1.16	Cum Volume (acre-ft)	3.41	11.29
4.01				
C & E Loss (ft)	0.03	Cum SA (acres)	2.98	3.50
2.87				

Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.

CROSS SECTION

CONGO_CREEK_PR.rep

RIVER: FL CONGO CREEK

REACH: FL CONGO CREEK

RS: 1800

INPUT

Description:

Station Elevation Data

num= 38

	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
	0	1168.11	580.02	1167.22	510.01	1166.34	61.66	003	1164.71	80.35
97.95	001	1163.9	106.47	1163.68	111.53	1163.62	171.24	1157.16	197.59	1154.38
	199.93	1154.14	200.19	1154.14	201.12	1153.95	210.19	1151.67	215.36	1153.71
	217.3	1154.32	225.17	1154.4	227.8	1154.42	235.01	1154.49	243.66	1154.39
	263.22	1157.16	271.23	1157.97	281.12	1158.31	281.48	1158.32	329.73	1159.7
	343.43	1160.29	383.45	1162.08	384.76	1162.13	385.18	1162.14	385.68	1162.15
	413.75	1163.29	415.57	1163.4	417.05	1163.47	462.79	1165.37	474.41	1165.98
	488.5	1166.65	496.14	1166.98	516.4	1168				

Manning's n Values

num= 3

Sta	n	Val	Sta	n	Val	Sta	n	Val
0		.08	197.59		.04	217.3		.08

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff	Contr.	Expan.
	197.59	217.3		300	300		.1	.3

CROSS SECTION OUTPUT Profile #100-YR

E.G. Elev (ft)	1157.94	Element	Left OB	Channel
Right OB				
Vel Head (ft)	0.51	Wt. n-Val.	0.080	0.040
0.080				
W.S. Elev (ft)	1157.43	Reach Len. (ft)	300.00	300.00
300.00				
Crit W.S. (ft)		Flow Area (sq ft)	44.15	84.51
112.28				
E.G. Slope (ft/ft)	0.005339	Area (sq ft)	44.15	84.51
112.28				
Q Total (cfs)	934.35	Flow (cfs)	79.25	589.63
265.47				
Top Width (ft)	97.20	Top Width (ft)	28.87	19.71
48.62				
Vel Total (ft/s)	3.88	Avg. Vel. (ft/s)	1.79	6.98
2.36				
Max Chl Dpth (ft)	5.76	Hydr. Depth (ft)	1.53	4.29
2.31				
Conv. Total (cfs)	12787.3	Conv. (cfs)	1084.6	8069.6
3633.1				

CONGO_CREEK_PR.rep				
Length Wtd. (ft)	300.00	Wetted Per. (ft)	29.03	20.51
48.83				
Min Ch El (ft)	1151.67	Shear (lb/sq ft)	0.51	1.37
0.77				
Alpha	2.17	Stream Power (lb/ft s)	0.91	9.58
1.81				
Frctn Loss (ft)	1.29	Cum Volume (acre-ft)	2.68	10.71
3.26				
C & E Loss (ft)	0.05	Cum SA (acres)	2.63	3.37
2.56				

Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.

CROSS SECTION

RIVER: FL CONGO CREEK
 REACH: FL CONGO CREEK RS: 1500

INPUT

Description:

Station Elevation Data		num=		32					
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	1163	23	1161.29	32	1161.11	69.71	1002	1159.81	72.96
82.04	1157.73	86.64	1157.5	137.43	1155.14	138.21	1155.13	139.07	1155.12
148.23	1154.81	192.3	1153.44	202.24	1151.1	204.43	1150.6	208.63	1151.57
217.85	1153.77	253.34	1154.69	264.67	1154.98	278.08	1155.36	290.93	1155.68
300.61	1155.93	334.97	1157.11	354.18	1157.74	386.93	1159.54	414.46	1160.97
432.52	1161.49	435.65	1161.6	438.92	1161.74	460.03	1162.6	462.89	1162.71
467.46	1162.95	468.82	1163						

Manning's n Values		num=		3	
Sta	n Val	Sta	n Val	Sta	n Val
0	.08	192.3	.04	217.85	.08

Bank Sta:	Left	Right	Lengths:	Left	Channel	Right	Coeff	Contr.	Expan.
	192.3	217.85		300	300	300		.1	.3

CROSS SECTION OUTPUT Profile #100-YR

E.G. Elev (ft)	1156.59	Element	Left OB	Channel
Right OB				
Vel Head (ft)	0.33	Wt. n-Val.	0.080	0.040

CONGO_CREEK_PR.rep

0.080				
W.S. Elev (ft)	1156.27	Reach Len. (ft)	300.00	300.00
300.00				
Crit W.S. (ft)	1155.48	Flow Area (sq ft)	121.93	106.55
119.04				
E.G. Slope (ft/ft)	0.003539	Area (sq ft)	121.93	106.55
119.04				
Q Total (cfs)	934.35	Flow (cfs)	179.65	599.22
155.49				
Top Width (ft)	197.29	Top Width (ft)	79.14	25.55
92.60				
Vel Total (ft/s)	2.69	Avg. Vel. (ft/s)	1.47	5.62
1.31				
Max Chl Dpth (ft)	5.67	Hydr. Depth (ft)	1.54	4.17
1.29				
Conv. Total (cfs)	15705.1	Conv. (cfs)	3019.6	10071.9
2613.5				
Length Wtd. (ft)	300.00	Wetted Per. (ft)	79.20	26.25
92.63				
Min Ch El (ft)	1150.60	Shear (lb/sq ft)	0.34	0.90
0.28				
Alpha	2.90	Stream Power (lb/ft s)	0.50	5.04
0.37				
Frctn Loss (ft)	1.84	Cum Volume (acre-ft)	2.11	10.05
2.46				
C & E Loss (ft)	0.06	Cum SA (acres)	2.26	3.21
2.08				

Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for additional cross sections.

Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than

1.4. This may indicate the need for additional cross sections.

Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.

CROSS SECTION

RIVER: FL CONGO CREEK

REACH: FL CONGO CREEK RS: 1200

INPUT

Description:

CONGO_CREEK_PR.rep

Station Elevation Data		num=		32					
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	1159.14	1001	1158.46	30.56	1157.4	100.58	1154.88	111.76	1154.48
119.11	1154.26	128.01	1154.01	129.97	1153.78	130.48	1153.76	131.14	1153.75
132.04	1153.72	139.6	1153.77	152.65	1153.66	213.3	1153.11	233.22	1149.57
236.04	1149.05	237.94	1149.43	260.78	1153.99	268.17	1154.09	284.01	1154.35
304.63	1154.69	311.81	1154.81	315.44	1154.86	333.12	1155.48	350.6	1156.34
370.95	1157.21	380.24	1157.52	396.57	1157.56	397.59	1157.57	398.19	1157.59
420.63	1158.76	427.95	1159						

Manning's n Values		num=		3	
Sta	n Val	Sta	n Val	Sta	n Val
0	.08	213.3	.04	260.78	.08

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff Contr.	Expan.
	213.3	260.78		300	300	.1	.3

CROSS SECTION OUTPUT Profile #100-YR

E.G. Elev (ft)	1154.69	Element	Left OB	Channel
Right OB				
Vel Head (ft)	0.92	Wt. n-Val.	0.080	0.040
W.S. Elev (ft)	1153.77	Reach Len. (ft)	300.00	300.00
300.00				
Crit W.S. (ft)	1153.76	Flow Area (sq ft)	24.30	116.76
E.G. Slope (ft/ft)	0.013157	Area (sq ft)	24.30	116.76
Q Total (cfs)	934.35	Flow (cfs)	24.36	909.99
Top Width (ft)	129.45	Top Width (ft)	83.08	46.38
Vel Total (ft/s)	6.62	Avg. Vel. (ft/s)	1.00	7.79
Max Chl Dpth (ft)	4.72	Hydr. Depth (ft)	0.29	2.52
Conv. Total (cfs)	8145.6	Conv. (cfs)	212.4	7933.3
Length Wtd. (ft)	300.00	Wetted Per. (ft)	83.08	47.20
Min Ch El (ft)	1149.05	Shear (lb/sq ft)	0.24	2.03
Alpha	1.35	Stream Power (lb/ft s)	0.24	15.83
Frctn Loss (ft)	0.70	Cum Volume (acre-ft)	1.60	9.28
2.05				

	CONGO_CREEK_PR.rep		
C & E Loss (ft)	0.24	Cum SA (acres)	1.70 2.96
1.76			

Warning: Divided flow computed for this cross-section.

Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for additional cross sections.

Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.

CROSS SECTION

RIVER: FL CONGO CREEK
 REACH: FL CONGO CREEK RS: 900

INPUT
 Description:

Station Elevation Data		num= 27							
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	11626.8000	18	1161.4438	40	1158.2446	49	115850.0500	2	1157.77
56.5800	1157.3468	68	1156.5681	26	1155.7294	26	1150.94	105.06	1149.59
115.56	1148.49	120.78	1148.55	126.29	1148.61	130.43	1148.66	138.31	1148.75
161.74	1151.08	162.45	1151.25	162.8	1151.19	163.6	1151.19	214.76	1152.5
268.29	1153.38	286.61	1153.56	288.9	1153.59	302.52	1153.89	342.73	1155.03
355.75	1155.64	389.39	1157						

Manning's n Values		num= 3			
Sta	n Val	Sta	n Val	Sta	n Val
0	.0894	26	.04	163.6	.08

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff Contr.	Expan.
	94.2600	163.6		200	200	.1	.3

CROSS SECTION OUTPUT Profile #100-YR

E.G. Elev (ft)	1153.75	Element	Left OB	Channel
Right OB				
Vel Head (ft)	0.12	Wt. n-Val.	0.080	0.040
0.080				
W.S. Elev (ft)	1153.63	Reach Len. (ft)	200.00	200.00
200.00				
Crit W.S. (ft)		Flow Area (sq ft)	9.83	290.06
131.24				

CONGO_CREEK_PR.rep				
E.G. Slope (ft/ft)	0.000932	Area (sq ft)	9.83	290.06
131.24				
Q Total (cfs)	934.35	Flow (cfs)	6.51	851.80
76.04				
Top Width (ft)	203.73	Top Width (ft)	7.31	69.34
127.08				
Vel Total (ft/s)	2.17	Avg. Vel. (ft/s)	0.66	2.94
0.58				
Max Chl Dpth (ft)	5.14	Hydr. Depth (ft)	1.34	4.18
1.03				
Conv. Total (cfs)	30601.1	Conv. (cfs)	213.3	27897.5
2490.3				
Length Wtd. (ft)	200.00	Wetted Per. (ft)	7.79	69.62
127.10				
Min Ch El (ft)	1148.49	Shear (lb/sq ft)	0.07	0.24
0.06				
Alpha	1.68	Stream Power (lb/ft s)	0.05	0.71
0.03				
Frctn Loss (ft)	0.44	Cum Volume (acre-ft)	1.49	7.88
1.60				
C & E Loss (ft)	0.06	Cum SA (acres)	1.39	2.57
1.32				

Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for additional cross sections.

Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.

CROSS SECTION

RIVER: FL CONGO CREEK
 REACH: FL CONGO CREEK RS: 789.05

INPUT

Description:

Station Elevation Data		num= 18									
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	1161	23.39	1159.21	61.17	1156.64	89.01	1155.57	110.81	1154.62		
125.2	1151.4	145.25	1151.36	163.18	1147.63	172.24	1151.28	218.24	1151.21		
295.35	1152.32	322.26	1153.18	356.39	1154.15	390.49	1155.37	427.1	1156.6		
444.87	1157.41	470.19	1158.41	484.16	1159						

Manning's n Values num= 3

CONGO_CREEK_PR.rep

Sta	n Val	Sta	n Val	Sta	n Val
0	.08	145.25	.04	172.24	.08

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff	Contr.	Expan.
	145.25	172.24		89.05	89.05		.1	.3

CROSS SECTION OUTPUT Profile #100-YR

E.G. Elev (ft)	1153.26	Element	Left OB	Channel
Right OB				
Vel Head (ft)	0.68	Wt. n-Val.	0.080	0.040
0.080				
W.S. Elev (ft)	1152.58	Reach Len. (ft)	89.05	89.05
89.05				
Crit W.S. (ft)	1152.58	Flow Area (sq ft)	27.13	83.58
125.10				
E.G. Slope (ft/ft)	0.010311	Area (sq ft)	27.13	83.58
125.10				
Q Total (cfs)	934.35	Flow (cfs)	53.40	652.38
228.57				
Top Width (ft)	183.50	Top Width (ft)	25.32	26.99
131.20				
Vel Total (ft/s)	3.96	Avg. Vel. (ft/s)	1.97	7.81
1.83				
Max Chl Dpth (ft)	4.95	Hydr. Depth (ft)	1.07	3.10
0.95				
Conv. Total (cfs)	9201.5	Conv. (cfs)	525.9	6424.6
2251.0				
Length Wtd. (ft)	89.05	Wetted Per. (ft)	25.45	28.08
131.21				
Min Ch El (ft)	1147.63	Shear (lb/sq ft)	0.69	1.92
0.61				
Alpha	2.78	Stream Power (lb/ft s)	1.35	14.95
1.12				
Frctn Loss (ft)	0.32	Cum Volume (acre-ft)	1.40	7.03
1.01				
C & E Loss (ft)	0.16	Cum SA (acres)	1.31	2.34
0.73				

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.

Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for additional cross sections.

CONGO_CREEK_PR.rep

Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than

1.4. This may indicate the need for additional cross sections.

Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated

water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION

RIVER: FL CONGO CREEK

REACH: FL CONGO CREEK RS: 700

INPUT

Description:

Station Elevation Data		num=		36					
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	1159	23.49	1158.01	32.04	1157.47	33.51	1157.59	37.82	1157.15
62.15	1156.07	73.48	1155.73	94.39	1154.85	97.54	1154.74	100.49	1154.64
108.8	1154.35	161.13	1152.56	162.58	1152.51	194.82	1150.72	197.47	1150.66
199.45	1150.65	219.23	1150.21	235.74	1150.48	262.76	1150.34	273.09	1150.13
277.26	1149.95	279.67	1149.84	283.98	1149.65	287.49	1149.09	299.81	1146.67
303.59	1147.71	310.52	1150.62	350.37	1150.6	353.79	1150.6	354.35	1150.62
355.03	1150.66	389.35	1153.94	423.12	1155.55	445.21	1157.17	485.83	1158.53
506.15	1159								

Manning's n Values		num=		3	
Sta	n Val	Sta	n Val	Sta	n Val
0	.08	262.76	.04	310.52	.08

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff	Contr.	Expan.
	262.76	310.52		200	200		.1	.3

CROSS SECTION OUTPUT Profile #100-YR

E.G. Elev (ft)	1152.74	Element	Left OB	Channel
Right OB				
Vel Head (ft)	0.14	Wt. n-Val.	0.080	0.040
0.080				
W.S. Elev (ft)	1152.60	Reach Len. (ft)	200.00	200.00
200.00				
Crit W.S. (ft)		Flow Area (sq ft)	179.87	167.56
108.13				
E.G. Slope (ft/ft)	0.001829	Area (sq ft)	179.87	167.56
108.13				

CONGO_CREEK_PR.rep				
Q Total (cfs)	934.35	Flow (cfs)	207.51	606.10
120.75				
Top Width (ft)	215.27	Top Width (ft)	102.73	47.76
64.78				
Vel Total (ft/s)	2.05	Avg. Vel. (ft/s)	1.15	3.62
1.12				
Max Chl Dpth (ft)	5.93	Hydr. Depth (ft)	1.75	3.51
1.67				
Conv. Total (cfs)	21845.7	Conv. (cfs)	4851.6	14170.9
2823.1				
Length Wtd. (ft)	200.00	Wetted Per. (ft)	102.79	48.78
64.88				
Min Ch El (ft)	1146.67	Shear (lb/sq ft)	0.20	0.39
0.19				
Alpha	2.13	Stream Power (lb/ft s)	0.23	1.42
0.21				
Frctn Loss (ft)	0.72	Cum Volume (acre-ft)	1.19	6.77
0.77				
C & E Loss (ft)	0.06	Cum SA (acres)	1.18	2.27
0.53				

Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for additional cross sections.

Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.

CROSS SECTION

RIVER: FL CONGO CREEK

REACH: FL CONGO CREEK RS: 500

INPUT

Description:

Station Elevation Data		num=		30							
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	11584.49	0021	1157.74	16.19	1157.01	33.11	1155.94	79.23	1153.08		
83.87	1152.9	106.63	1152.39	143.48	1151.5	147.33	1151.28	167.07	1150.37		
174.58	1150.29	194.58	1150.28	232.75	1150.33	244.4	1150.33	254.63	1146.9		
257.42	1145.99	259.77	1146.81	268.6	1149.32	268.61	1149.32	276.09	1149.41		
284.79	1149.51	290.72	1149.58	304.55	1150.1	307.01	1150.16	317.34	1152.02		
336.95	1154.7	374.32	1156.61	379.28	1156.75	400.63	1157.75	405.1	1158		

Manning's n Values num= 3

CONGO_CREEK_PR.rep

Sta	n Val	Sta	n Val	Sta	n Val
0	.08	244.4	.04	268.6	.08

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff	Contr.	Expan.
	244.4	268.6		500	500		.1	.3

CROSS SECTION OUTPUT Profile #100-YR

E.G. Elev (ft)	1151.96	Element	Left OB	Channel
Right OB				
Vel Head (ft)	0.71	Wt. n-Val.	0.080	0.040
0.080				
W.S. Elev (ft)	1151.25	Reach Len. (ft)	500.00	500.00
500.00				
Crit W.S. (ft)	1151.25	Flow Area (sq ft)	81.10	79.81
65.22				
E.G. Slope (ft/ft)	0.010168	Area (sq ft)	81.10	79.81
65.22				
Q Total (cfs)	934.35	Flow (cfs)	135.40	641.46
157.49				
Top Width (ft)	165.00	Top Width (ft)	96.35	24.20
44.45				
Vel Total (ft/s)	4.13	Avg. Vel. (ft/s)	1.67	8.04
2.41				
Max Chl Dpth (ft)	5.26	Hydr. Depth (ft)	0.84	3.30
1.47				
Conv. Total (cfs)	9265.9	Conv. (cfs)	1342.7	6361.3
1561.8				
Length Wtd. (ft)	500.00	Wetted Per. (ft)	96.37	25.39
44.56				
Min Ch El (ft)	1145.99	Shear (lb/sq ft)	0.53	2.00
0.93				
Alpha	2.68	Stream Power (lb/ft s)	0.89	16.04
2.24				
Frctn Loss (ft)	0.75	Cum Volume (acre-ft)	0.59	6.20
0.38				
C & E Loss (ft)	0.20	Cum SA (acres)	0.73	2.10
0.28				

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.

Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for additional cross sections.

CONGO_CREEK_PR.rep

Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than

1.4. This may indicate the need for additional cross sections.

Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate

the need for additional cross sections.

Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated

water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION

RIVER: FL CONGO CREEK

REACH: FL CONGO CREEK RS: 200

INPUT

Description:

Station Elevation Data				num=	15				
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	1155	28.04	1152.32	55.11	1151.29	88.64	1149	100.62	1148.36
116.92	1144.39	129.24	1149.37	173.33	1147.56	184.38	1146.32	203.55	1145.56
225.07	1146.55	256.92	1150.35	285.35	1151.56	307.84	1152.87	351.37	1155

Manning's n Values				num=	3
Sta	n Val	Sta	n Val	Sta	n Val
0	.08	88.64	.04	256.92	.08

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff	Contr.	Expan.
	88.64	256.92		200	200		.1	.3

CROSS SECTION OUTPUT Profile #100-YR

E.G. Elev (ft)	1150.52	Element	Left OB	Channel
Right OB				
Vel Head (ft)	0.05	Wt. n-Val.	0.080	0.040
0.080				
W.S. Elev (ft)	1150.46	Reach Len. (ft)	200.00	200.00
200.00				
Crit W.S. (ft)		Flow Area (sq ft)	15.66	504.76
0.15				
E.G. Slope (ft/ft)	0.000575	Area (sq ft)	15.66	504.76
0.15				
Q Total (cfs)	934.35	Flow (cfs)	5.65	928.69
0.01				

CONGO_CREEK_PR.rep				
Top Width (ft)	192.34	Top Width (ft)	21.41	168.28
2.64				
Vel Total (ft/s)	1.79	Avg. Vel. (ft/s)	0.36	1.84
0.07				
Max Chl Dpth (ft)	6.07	Hydr. Depth (ft)	0.73	3.00
0.06				
Conv. Total (cfs)	38954.2	Conv. (cfs)	235.7	38718.1
0.4				
Length Wtd. (ft)	200.00	Wetted Per. (ft)	21.46	170.11
2.65				
Min Ch El (ft)	1144.39	Shear (lb/sq ft)	0.03	0.11
0.00				
Alpha	1.04	Stream Power (lb/ft s)	0.01	0.20
0.00				
Frctn Loss (ft)	0.08	Cum Volume (acre-ft)	0.04	2.85
0.00				
C & E Loss (ft)	0.01	Cum SA (acres)	0.05	1.00
0.01				

CROSS SECTION

RIVER: FL CONGO CREEK
 REACH: FL CONGO CREEK RS: 0

INPUT

Description:

Station Elevation Data num= 51									
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	1160	23.14	1158.53	31.46	1157.33	55.74	1153.84	75.43	1151.69
94.71	1150.5	130.75	1149.28	153.14	1148.43	169.77	1147.82	188.15	1147.15
189.13	1147.14	191.37	1147.2	201.37	1146.72	205.01	1146.65	205.67	1146.65
206.56	1146.65	206.7	1146.65	223.06	1146.28	224.31	1146.26	225.36	1146.09
241.82	1145.64	253	1144.7	253.18	1144.66	255.35	1144.5	264.9	1143.75
267.38	1143.78	272.07	1144.7	278.34	1145.5	312.67	1148.73	324.79	1148.84
354.62	1149.84	363.41	1150.37	364.01	1150.387	368.83	1150.52	392.89	1151.44
413.79	1152.23	423.82	1153.03	433.87	1153.6	441.3	1154.04	459.28	1154.68
466.45	1155.04	475.69	1155.29	486.27	1155.82	490.33	1156.08	500.78	1156.55
508.91	1156.91	517.21	1157.28	529.58	1157.79	537.51	1158.14	553.21	1158.91
570.82	1159.69								

Manning's n Values num= 3					
Sta	n Val	Sta	n Val	Sta	n Val
0	.08	94.71	.04	364.01	.08

Bank Sta: Left Right Lengths: Left Channel Right Coeff Contr. Expan.

94.71 364.01

0 0 0

.1

.3

CROSS SECTION OUTPUT Profile #100-YR

E.G. Elev (ft)	1150.43	Element	Left OB	Channel
Right OB				
Vel Head (ft)	0.03	Wt. n-Val.		0.040
0.000				
W.S. Elev (ft)	1150.40	Reach Len. (ft)		
Crit W.S. (ft)	1147.10	Flow Area (sq ft)		735.05
0.00				
E.G. Slope (ft/ft)	0.000303	Area (sq ft)		735.05
0.00				
Q Total (cfs)	934.35	Flow (cfs)		934.35
0.00				
Top Width (ft)	266.82	Top Width (ft)		266.35
0.47				
Vel Total (ft/s)	1.27	Avg. Vel. (ft/s)		1.27
0.01				
Max Chl Dpth (ft)	6.65	Hydr. Depth (ft)		2.76
0.01				
Conv. Total (cfs)	53656.8	Conv. (cfs)		53656.8
0.0				
Length Wtd. (ft)		Wetted Per. (ft)		266.85
0.47				
Min Ch El (ft)	1143.75	Shear (lb/sq ft)		0.05
Alpha	1.00	Stream Power (lb/ft s)		0.07
Frctn Loss (ft)		Cum Volume (acre-ft)		
C & E Loss (ft)		Cum SA (acres)		

SUMMARY OF MANNING'S N VALUES

River:FL CONGO CREEK

Reach	River Sta.	n1	n2	n3
FL CONGO CREEK	3200	.08	.04	.08
FL CONGO CREEK	2900	.08	.04	.08

CONGO_CREEK_PR.rep

FL CONGO CREEK	2600	.08	.04	.08
FL CONGO CREEK	2400	.08	.04	.08
FL CONGO CREEK	2314.48	.08	.04	.08
FL CONGO CREEK	2100	.08	.04	.08
FL CONGO CREEK	1800	.08	.04	.08
FL CONGO CREEK	1500	.08	.04	.08
FL CONGO CREEK	1200	.08	.04	.08
FL CONGO CREEK	900	.08	.04	.08
FL CONGO CREEK	789.05	.08	.04	.08
FL CONGO CREEK	700	.08	.04	.08
FL CONGO CREEK	500	.08	.04	.08
FL CONGO CREEK	200	.08	.04	.08
FL CONGO CREEK	0	.08	.04	.08

SUMMARY OF REACH LENGTHS

River: FL CONGO CREEK

Reach	River Sta.	Left	Channel	Right
FL CONGO CREEK	3200	300	300	300
FL CONGO CREEK	2900	300	300	300
FL CONGO CREEK	2600	200	200	200
FL CONGO CREEK	2400	300	300	300
FL CONGO CREEK	2314.48	214.48	214.48	214.48
FL CONGO CREEK	2100	300	300	300
FL CONGO CREEK	1800	300	300	300
FL CONGO CREEK	1500	300	300	300
FL CONGO CREEK	1200	300	300	300
FL CONGO CREEK	900	200	200	200
FL CONGO CREEK	789.05	89.05	89.05	89.05
FL CONGO CREEK	700	200	200	200
FL CONGO CREEK	500	500	500	500
FL CONGO CREEK	200	200	200	200
FL CONGO CREEK	0	0	0	0

SUMMARY OF CONTRACTION AND EXPANSION COEFFICIENTS

River: FL CONGO CREEK

Reach	River Sta.	Contr.	Expan.
-------	------------	--------	--------

			CONGO_CREEK_PR.rep	
FL CONGO CREEK	3200	.1	.3	
FL CONGO CREEK	2900	.1	.3	
FL CONGO CREEK	2600	.1	.3	
FL CONGO CREEK	2400	.1	.3	
FL CONGO CREEK	2314.48	.1	.3	
FL CONGO CREEK	2100	.1	.3	
FL CONGO CREEK	1800	.1	.3	
FL CONGO CREEK	1500	.1	.3	
FL CONGO CREEK	1200	.1	.3	
FL CONGO CREEK	900	.1	.3	
FL CONGO CREEK	789.05	.1	.3	
FL CONGO CREEK	700	.1	.3	
FL CONGO CREEK	500	.1	.3	
FL CONGO CREEK	200	.1	.3	
FL CONGO CREEK	0	.1	.3	

Appendix D: HY-8 Results

HY-8 Culvert Analysis Report

Project Notes

Project Title:

Designer:

Project Date: Monday, June 03, 2019

Notes:

Project Units: U.S. Customary Units

Outlet Control Option: Profiles

Exit Loss Option: Standard Method

Crossing Notes:

Crossing Discharge Data

Discharge Selection Method: Specify Minimum, Design, and Maximum Flow

Minimum Flow: 4.32 cfs

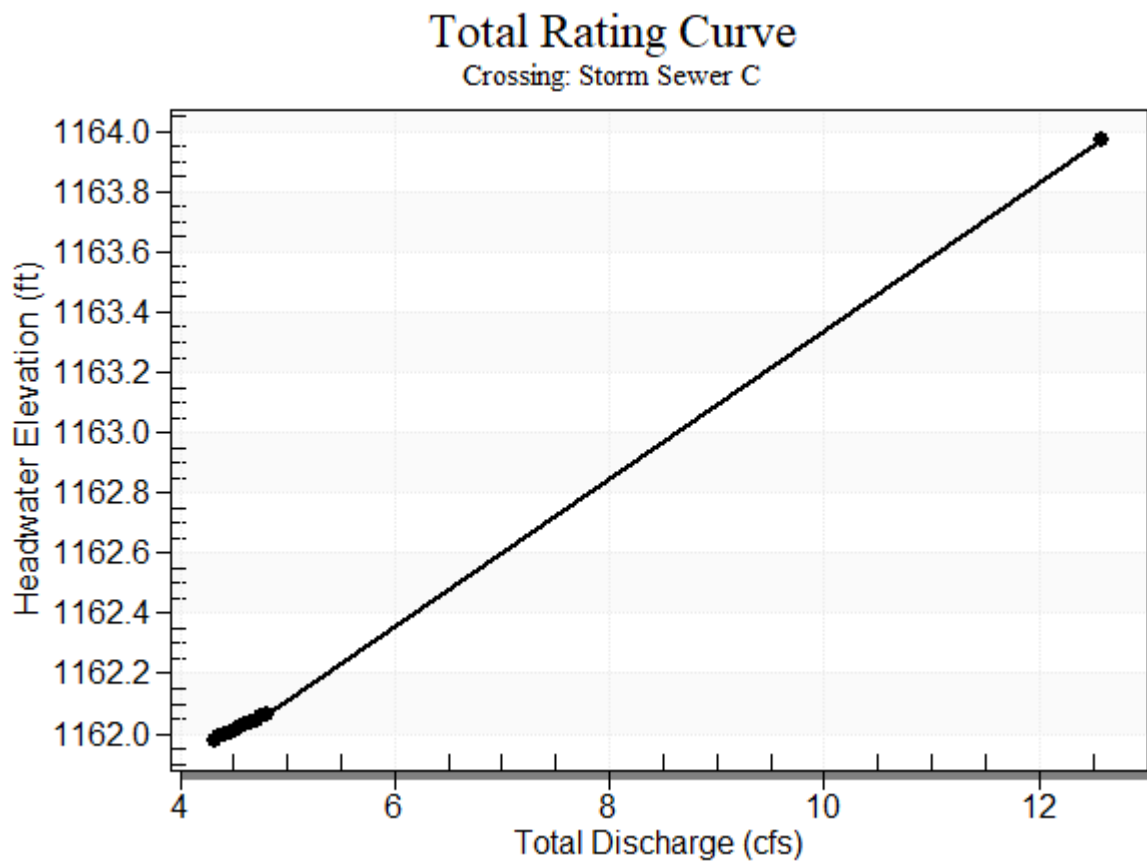
Design Flow: 4.81 cfs

Maximum Flow: 4.81 cfs

Table 1 - Summary of Culvert Flows at Crossing: Storm Sewer C

Headwater Elevation (ft)	Total Discharge (cfs)	18" Reinforced Concrete Pipe Discharge (cfs)	Roadway Discharge (cfs)	Iterations
1161.98	4.32	4.32	0.00	1
1161.99	4.37	4.37	0.00	1
1162.00	4.42	4.42	0.00	1
1162.01	4.47	4.47	0.00	1
1162.01	4.52	4.52	0.00	1
1162.02	4.56	4.56	0.00	1
1162.03	4.61	4.61	0.00	1
1162.04	4.66	4.66	0.00	1
1162.05	4.71	4.71	0.00	1
1162.05	4.76	4.76	0.00	1
1162.06	4.81	4.81	0.00	1
1163.80	12.59	12.59	0.00	Overtopping

Rating Curve Plot for Crossing: Storm Sewer C



Culvert Notes: 18" Reinforced Concrete Pipe

Table 2 - Culvert Summary Table: 18" Reinforced Concrete Pipe

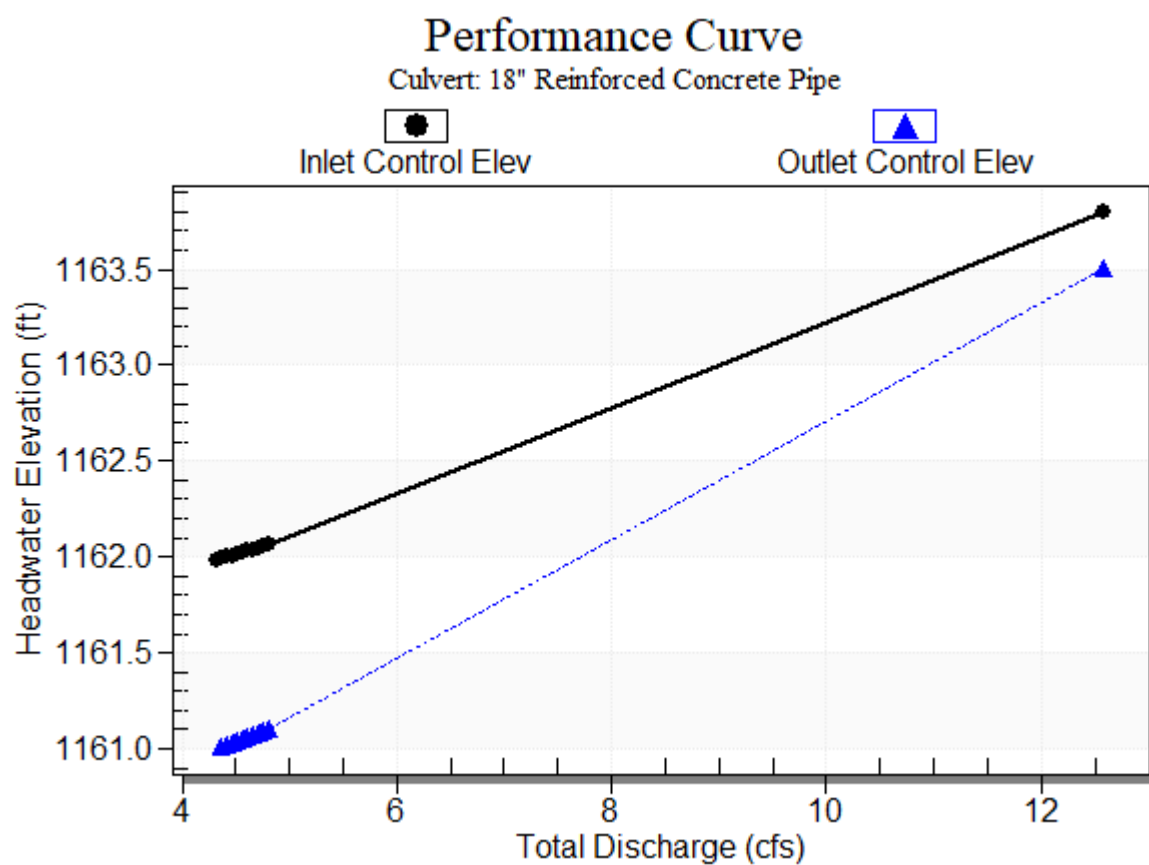
Total Discharge (cfs)	Culvert Discharge (cfs)	Headwater Elevation (ft)	Inlet Control Depth (ft)	Outlet Control Depth (ft)	Flow Type	Normal Depth (ft)	Critical Depth (ft)	Outlet Depth (ft)	Tailwater Depth (ft)	Outlet Velocity (ft/s)	Tailwater Velocity (ft/s)
4.32	4.32	1161.98	1.181	0.0*	1-S2n	0.638	0.796	0.638	0.717	6.021	2.100
4.37	4.37	1161.99	1.189	0.209	1-S2n	0.643	0.800	0.643	0.720	6.038	2.106
4.42	4.42	1162.00	1.197	0.219	1-S2n	0.647	0.805	0.647	0.723	6.054	2.112
4.47	4.47	1162.01	1.205	0.230	1-S2n	0.651	0.809	0.651	0.726	6.071	2.118
4.52	4.52	1162.01	1.213	0.240	1-S2n	0.655	0.813	0.655	0.729	6.087	2.123
4.56	4.56	1162.02	1.222	0.251	1-S2n	0.659	0.818	0.659	0.732	6.103	2.129
4.61	4.61	1162.03	1.230	0.262	1-S2n	0.663	0.822	0.663	0.735	6.118	2.135
4.66	4.66	1162.04	1.238	0.272	1-S2n	0.667	0.827	0.667	0.738	6.134	2.141
4.71	4.71	1162.05	1.246	0.283	1-S2n	0.672	0.831	0.672	0.741	6.149	2.146
4.76	4.76	1162.05	1.254	0.294	1-S2n	0.676	0.835	0.676	0.744	6.164	2.152
4.81	4.81	1162.06	1.262	0.305	1-S2n	0.680	0.839	0.680	0.747	6.178	2.157

Straight Culvert

Inlet Elevation (invert): 1160.80 ft, Outlet Elevation (invert): 1159.94 ft

Culvert Length: 86.04 ft, Culvert Slope: 0.0100

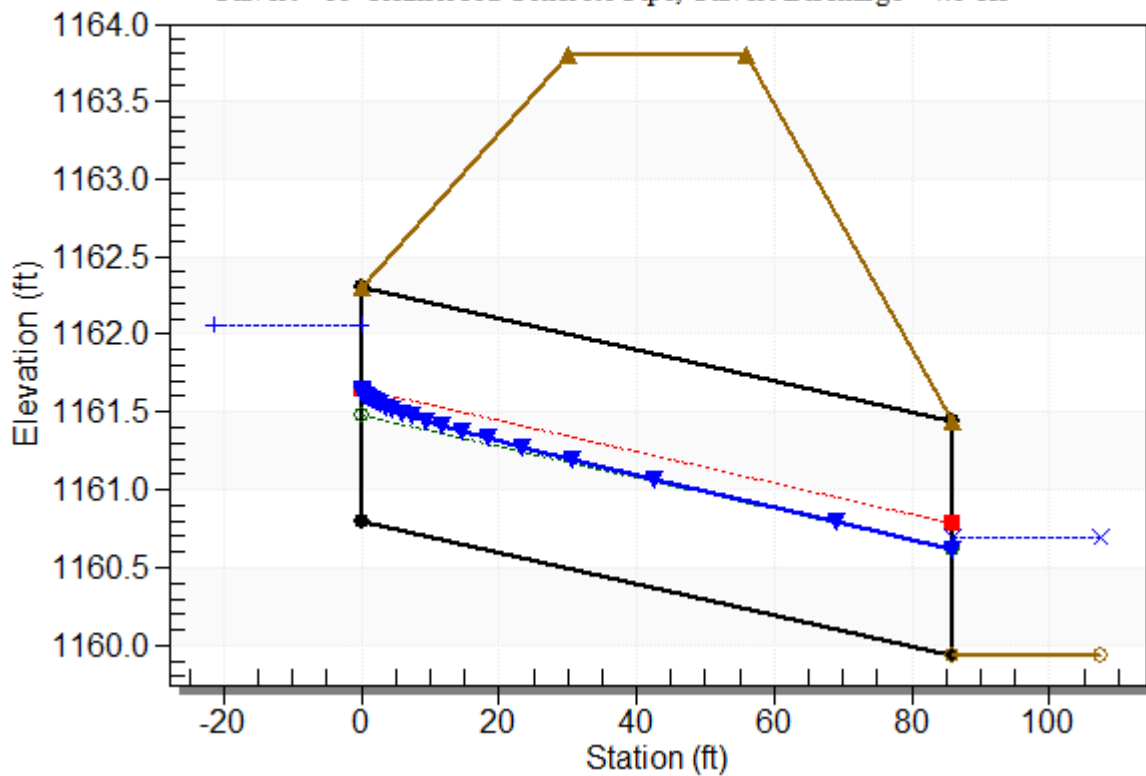
Culvert Performance Curve Plot: 18" Reinforced Concrete Pipe



Water Surface Profile Plot for Culvert: 18" Reinforced Concrete Pipe

Crossing - Storm Sewer C, Design Discharge - 4.8 cfs

Culvert - 18" Reinforced Concrete Pipe, Culvert Discharge - 4.8 cfs



Site Data - 18" Reinforced Concrete Pipe

Site Data Option: Culvert Invert Data

Inlet Station: 0.00 ft

Inlet Elevation: 1160.80 ft

Outlet Station: 86.04 ft

Outlet Elevation: 1159.94 ft

Number of Barrels: 1

Culvert Data Summary - 18" Reinforced Concrete Pipe

Barrel Shape: Circular

Barrel Diameter: 1.50 ft

Barrel Material: Concrete

Embedment: 0.00 in

Barrel Manning's n: 0.0120

Culvert Type: Straight

Inlet Configuration: Square Edge with Headwall

Inlet Depression: NONE

Table 3 - Downstream Channel Rating Curve (Crossing: Storm Sewer C)

Flow (cfs)	Water Surface Elev (ft)	Depth (ft)	Velocity (ft/s)	Shear (psf)	Froude Number
4.32	1160.66	0.72	2.10	0.45	0.62
4.37	1160.66	0.72	2.11	0.45	0.62
4.42	1160.66	0.72	2.11	0.45	0.62
4.47	1160.67	0.73	2.12	0.45	0.62
4.52	1160.67	0.73	2.12	0.46	0.62
4.56	1160.67	0.73	2.13	0.46	0.62
4.61	1160.68	0.74	2.13	0.46	0.62
4.66	1160.68	0.74	2.14	0.46	0.62
4.71	1160.68	0.74	2.15	0.46	0.62
4.76	1160.68	0.74	2.15	0.46	0.62
4.81	1160.69	0.75	2.16	0.47	0.62

Tailwater Channel Data - Storm Sewer C

Tailwater Channel Option: Triangular Channel

Side Slope (H:V): 4.00 (4:1)

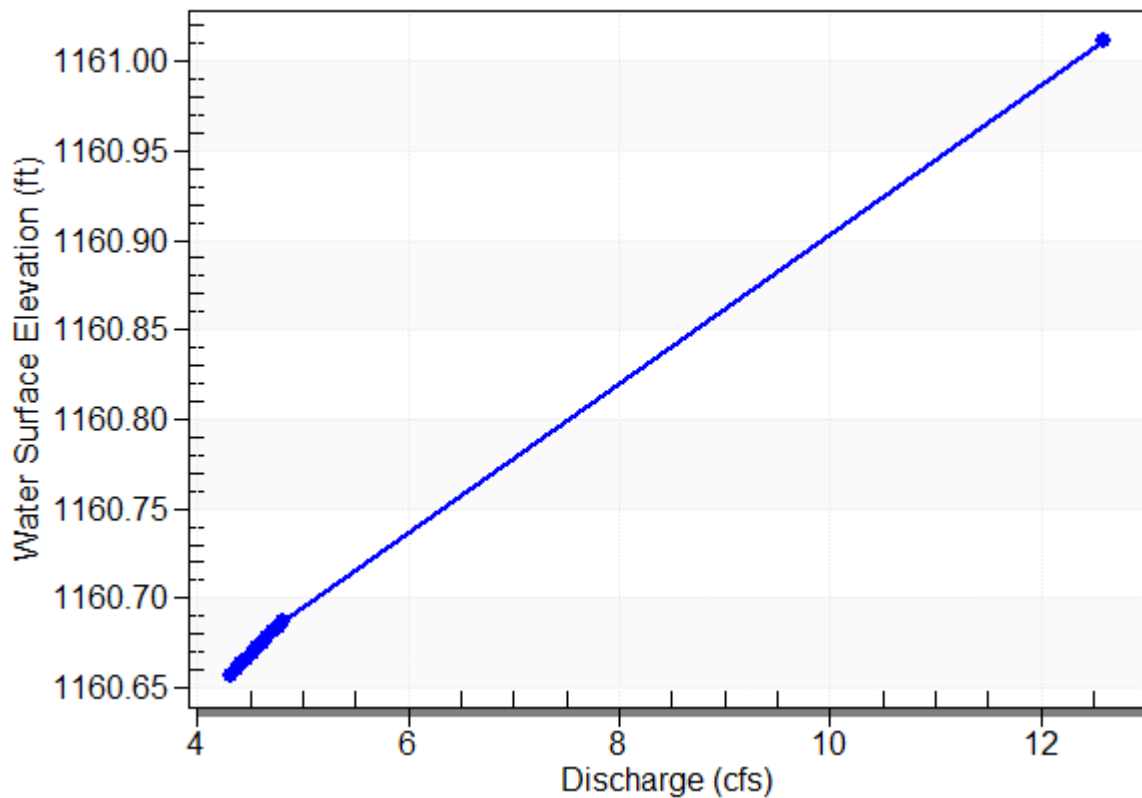
Channel Slope: 0.0100

Channel Manning's n: 0.0350

Channel Invert Elevation: 1159.94 ft

Tailwater Rating Curve Plot for Crossing: Storm Sewer C

Downstream Channel Rating Curve



Roadway Data for Crossing: Storm Sewer C

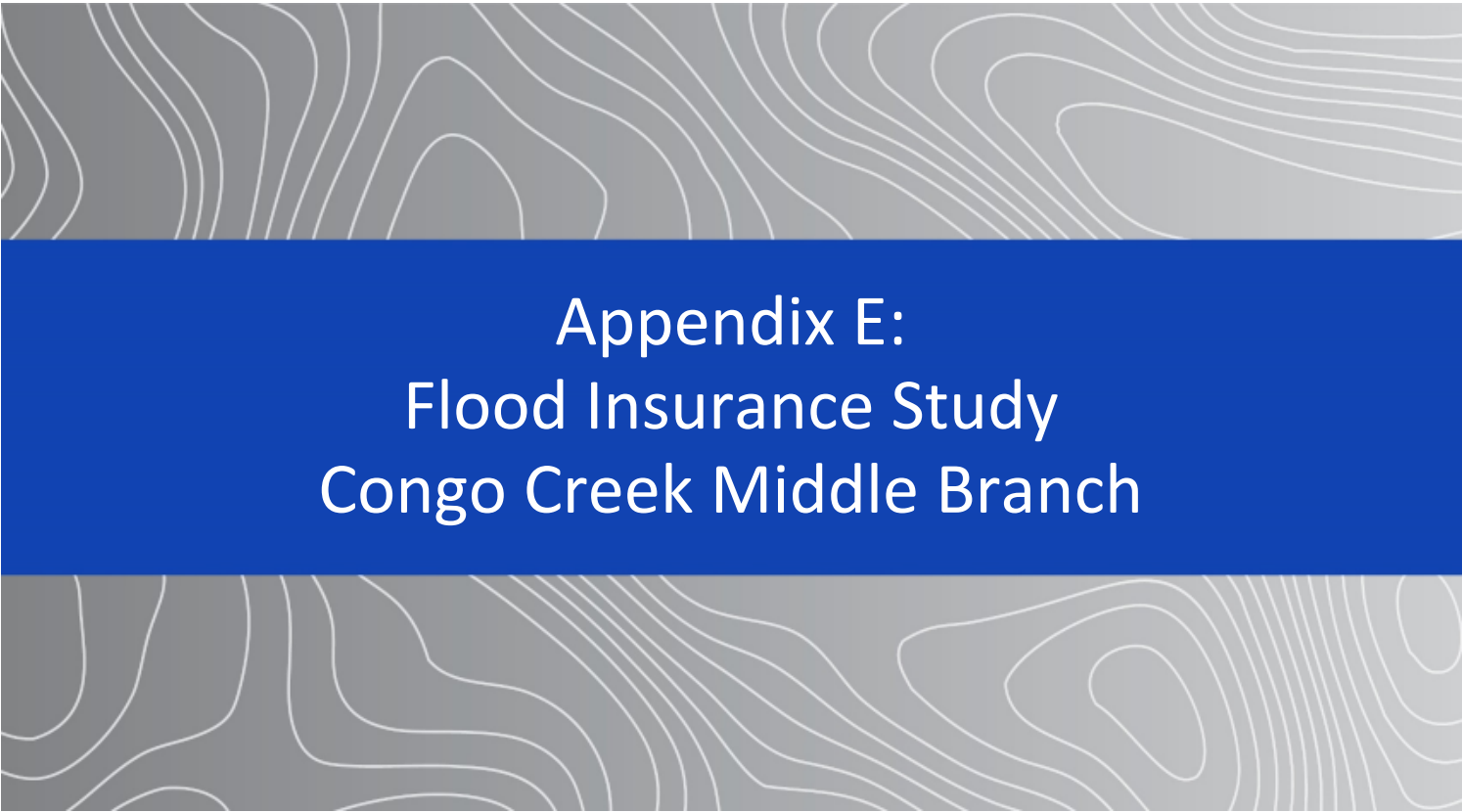
Roadway Profile Shape: Constant Roadway Elevation

Crest Length: 60.00 ft

Crest Elevation: 1163.80 ft

Roadway Surface: Paved

Roadway Top Width: 26.00 ft

The background of the page features a topographic map with contour lines. A central blue rectangular box contains the title text.

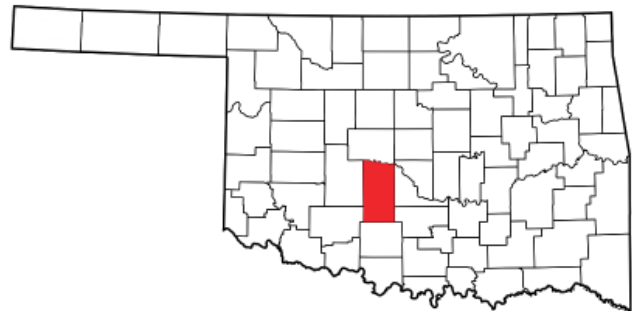
Appendix E: Flood Insurance Study Congo Creek Middle Branch

FLOOD INSURANCE STUDY



GRADY COUNTY, OKLAHOMA AND INCORPORATED AREAS

Community Name	Community Number	Community Name	Community Number
ALEX, TOWN OF	400063	RUSH SPRINGS, TOWN OF	400064
AMBER, TOWN OF	400463	TUTTLE, CITY OF	400443
BLANCHARD, CITY OF	400101	VERDEN, TOWN OF	400248
BRADLEY, TOWN OF	400263	* Non-floodprone community	
CHICKASHA, CITY OF	400234		
COMANCHE NATION OF OKLAHOMA	400601		
GRADY COUNTY, UNINCORPORATED AREAS	400483		
KIOWA INDIAN TRIBE OF OKLAHOMA	400602		
MINCO, TOWN OF	400406		
NINNEKAH, TOWN OF	405382		
*NORGE, TOWN OF	400474		
POCASSET, TOWN OF	400464		



EFFECTIVE: April 3, 2012



Federal Emergency Management Agency

FLOOD INSURANCE STUDY NUMBER
40051CV000A

Table 1. Streams Studied by Detailed Methods

Stream	Study Type	Reach Length (miles)	Study Area
Bridge Creek	Redelineation	4.31	From the Grady County-McClain County boundary to approximately 4,100 feet upstream of N2970 Rd
Coal Creek	Redelineation	3.59	From State Highway 37 to approximately 6,600 feet upstream of E1200 Rd
Coal Creek - Lower Reach	Redelineation	2.74	From the confluence with the Canadian River to State Highway 37
Coal Creek Tributary	Redelineation	3.24	From State Highway 37 to approximately 5,600 feet upstream of E1200 Rd
Coal Creek Tributary - Lower Reach	Redelineation	0.64	From the confluence with Coal Creek – Lower Reach approximately 3,400 feet upstream of the confluence with Coal Creek – Lower Reach
Congo Creek	Detailed	2.72	From the confluence with the Washita River to Grand Ave
Congo Creek	Redelineation	4.25	From Grand Avenue to approximately 50 feet downstream of Brook Park Ln
Congo Creek East Branch	Redelineation	1.78	From the confluence with Congo Creek to approximately 4,400 feet upstream of Interstate Highway 44
Congo Creek Middle Branch	Redelineation	0.93	From the confluence with Congo Creek to approximately 4,700 feet upstream of Country Club Rd
Golf Course Tributary	Redelineation	0.67	From the confluence with Congo Creek to approximately 2,600 feet upstream of Clubhouse Rd
Line Creek	Detailed	2.99	From the confluence with the Washita River to U.S. Highway 62
Line Creek	Redelineation	2.49	From U.S. Highway 62 to approximately 4,900 feet upstream of 29 th Street
Rock Hollow Creek	Redelineation	5.78	From the confluence with Line Creek to approximately 26,400 feet upstream of 29 th St
Soldier Creek	Redelineation	1.68	From the confluence with the Washita River to approximately 8,900 feet upstream of the confluence with the Washita River
Tributary No. 1	Redelineation	0.90	From the confluence with the Washita River to approximately 600 feet upstream of State Highway 19
Tributary No. 2	Redelineation	0.28	From the confluence with the Washita River to approximately 200 feet upstream of H St
Tributary No. 3	Redelineation	1.11	From the confluence with the Washita River to Taylor Ter
Washita River	Detailed	14.93	From approximately 10,500 feet downstream of the confluence with Congo Creek to approximately 5,400 feet upstream of U.S. Highway 81
Washita River	Redelineation	20.41	From approximately 5,400 feet upstream of U.S. Highway 81 to approximately 700 feet upstream of Section Line Rd
Washita River	Redelineation	3.63	From the eastern corporate boundary of the Town of Alex to the northern corporate boundary of the Town of Alex
Westside Creek	Redelineation	3.50	From the confluence with Line Creek to approximately 4,100 feet upstream of Country Club Rd
Westside Creek Tributary A	Redelineation	0.79	From the confluence with Westside Creek to approximately 2,700 feet upstream of 29 th St
Worley Creek	Redelineation	2.91	From approximately 1,900 downstream of the confluence with Worley Creek Tributary to approximately 15,400 feet upstream of the corporate boundary of the City of Tuttle
Worley Creek – Lower Reach	Redelineation	3.33	From approximately 700 feet upstream of the confluence with East Creek to approximately 150 feet upstream of State Highway 37
Worley Creek Tributary	Redelineation	1.41	From the confluence with Worley Creek to approximately 5,200 feet upstream of N2940 Rd

Table 2. Summary of Discharges (cont)

Flooding Source and Location	Drainage Area (square miles)	Peak Discharges (cubic feet per second)			
		10-percent	2-percent	1-percent	0.2-percent
CONGO CREEK (cont)					
Approximately 328 ft upstream of Interstate 44	7.42	2,370 ¹	3,953 ¹	4,323 ¹	5,068 ¹
Downstream of confluence with Congo Creek East Branch	7.42	2,786	4,955	5,721	5,937
Approximately 258 ft downstream of Chicago Rock Island and Pacific Railroad	4.79	1,995	3,389	4,540 ¹	7,271 ¹
Approximately 128 ft upstream of Henderson Ave	4.67	1,955 ²	3,350 ²	6,575 ²	9,009 ²
Approximately 227 ft upstream of 1st street	4.67	1,900 ¹	2,846	3,306	3,985 ¹
Approximately 178 ft upstream of Grady Road	2.61	1,934	2,730	3,217	4,627
Downstream of Congo Creek Middle Branch	2.48	1,245	2,385	3,015	4,200
Upstream of Congo Creek Middle Branch	1.31	685	1,390	1,825	2,625
At Dam in City Park	1.02	630 ¹	1,240	1,605	2,280
Downstream of Golf Course Tributary at 16 th Street	0.76	790	1,135	1,395	1,915
Upstream of Golf Course Tributary at 16 th Street	0.42	360	525	645	970
At Country Club Road	0.33	340	475	535	715
At Willow Creek Road	0.19	310	450	525	645
CONGO CREEK EAST BRANCH					
At confluence with Congo Creek	1.49	930 ¹	1,470 ¹	1,810 ¹	2,385 ¹
Approximately 785 feet downstream of Chicago Rock Island and Pacific Railroad	1.38	990	1,545	1,855	2,290
Approximately 565 feet upstream of Grand Avenue	1.08	885	1,345	1,580	2,005
CONGO CREEK MIDDLE BRANCH					
Approximately 90 feet downstream of Country Club Road	0.76	525	825	975	1,245
Approximately 3,440 feet upstream of Country Club Road	0.21	325	470	545	670
GOLF COURSE TRIBUTARY					
At mouth	0.40	430	850	1,020	1,300
LINE CREEK					
Approximately 250 ft upstream of Chicago Rock Island and Pacific Railroad	52.03	7,656 ¹	13,819 ¹	14,529 ¹	23,208 ¹

* Data Not Available

¹ Discharge Decreased Due to Storage Routing Effects

² Discharge Increased Due to Interbasin Flow from Line Creek

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD 88)	WITHOUT FLOODWAY (FEET NAVD 88)	WITH FLOODWAY (FEET NAVD 88)	INCREASE (FEET)
Congo Creek Middle Branch								
A – AC ²								
AD	5,850	87	304	3.2	1150.4	1150.4	1150.9	0.5
AE	6,500	88	309	3.2	1154.0	1154.0	1154.8	0.8
AF	7,840	58	284	3.4	1160.1	1160.1	1160.9	0.8
AG	9,080	112	911	0.6	1175.4	1175.4	1175.4	0.0
AH	9,990	32	83	6.6	1176.0	1176.0	1176.0	0.0

DOWNSTREAM BOUNDARY CONDITION

¹ Feet above confluence with Congo Creek.

² Floodway not computed.

TABLE 4

FEDERAL EMERGENCY MANAGEMENT AGENCY
GRADY COUNTY, OK
 AND INCORPORATED AREAS

FLOODWAY DATA

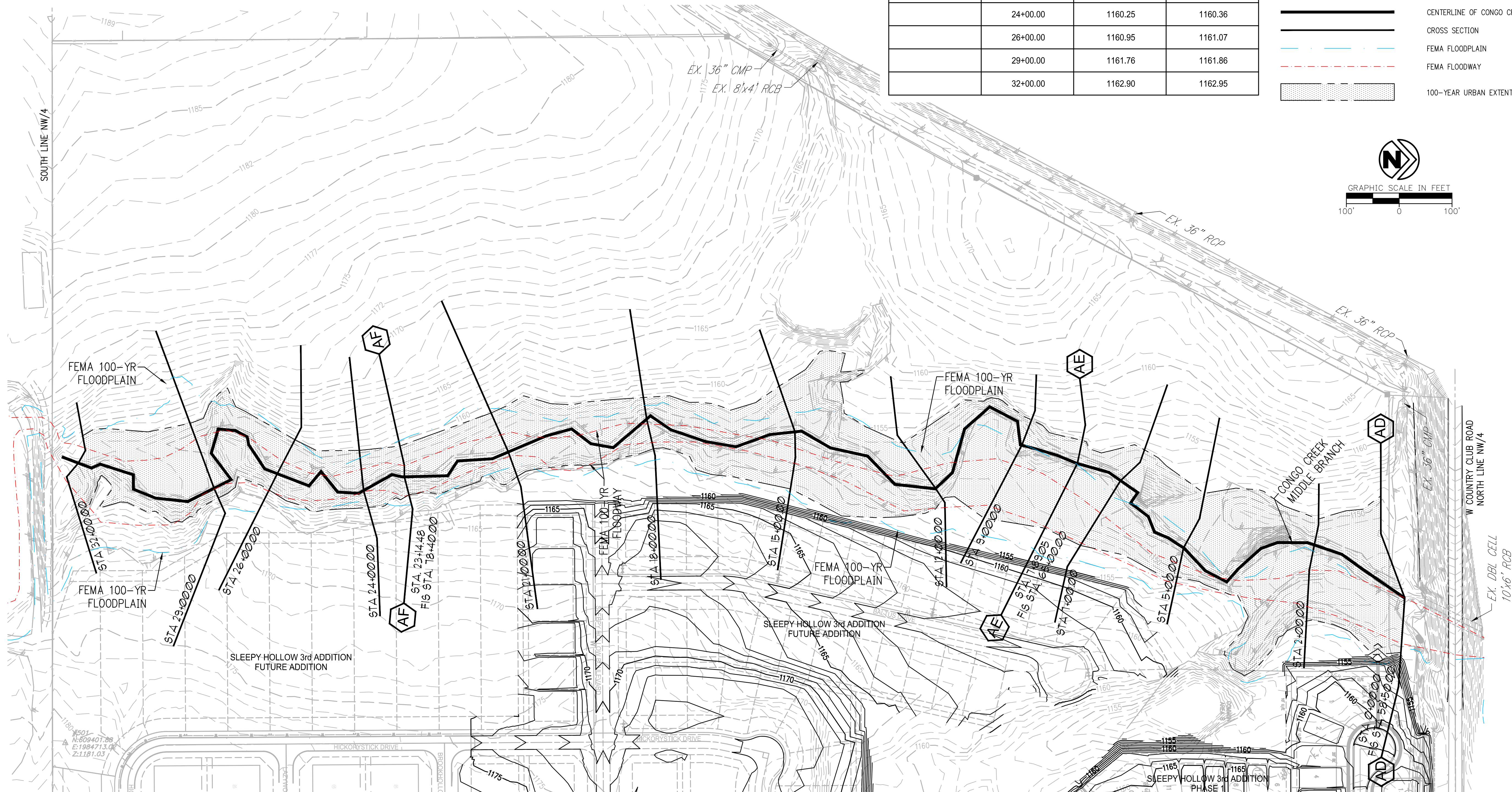
CONGO CREEK MIDDLE BRANCH

Attachments:

CHICKASHA, OK

[illegible]

PROJECT NO: 166104-00
 ISSUE DATE: 08/22/2019
 CONTACT: KENDALL W. DILLON
 CHECKED BY:

FLOOD STUDY (CONGO CREEK
MIDDLE BRANCH)

PROJECT MEMORANDUM

Project: Sleepy Hollow Final Plat
3rd Addition, Phase 3

Date: December 15, 2021

At the start of the expansion of the Sleepy Hollow Addition, a drainage report was submitted by Crafton Tull in January, 2017. The report looked at the complete development of Sleepy Hollow, including the above referenced phase.

A flood study of Congo Creek, Middle Branch, which receives the storm water run-off from the Sleepy Hollow Addition, was completed. The study compared the FEMA Study for existing conditions to the proposed conditions upon full development of Sleepy Hollow.

The results of the flood study concluded that there was no appreciable change in the Congo Creek, Middle Branch flood elevations. 100 year flood elevations within Sleepy Hollow varied less than 0.1 feet between existing and proposed conditions. There was no change in the elevations at the upstream end of Sleepy Hollow and the change at the downstream end was 0.05 feet.

The proposed development will have no adverse impact on surrounding properties.

Smith Roberts Baldischwiler, LLC


12-15-21
Daniel S. Andrulonis, P.E.
Project Manager
DANIEL S.
ANDRULONIS
13381
REGISTERED PROFESSIONAL ENGINEER
OKLAHOMA

PROJECT MEMORANDUM

Date: December 10, 2021

Project: Sleepy Hollow 3rd Addition, Phase 3

I have reviewed the Final Plat and development plans prepared by Crafton Tull for the referenced project. The Drainage Report as previously recommended for approval conforms to the study and conclusions contained in the Master Drainage Study prepared by Smith Roberts Baldischwiler.

Smith Roberts Baldischwiler, LLC



Daniel S. Andrulonis, P.E.
Project Engineer

Cc: 115729



City of
CHICKASHA

Meeting Type: 1/3/2022 6:30 PM, City Council Meeting

Meeting Date: 1/3/2022

Department: Police Department

Agenda Item No. 6.d.

AGENDA ITEM: Discussion, consideration and possible action to surplus a 2010 Ford Crown Victoria patrol vehicle and authorize the City Manager to dispose of as appropriate.

I. BACKGROUND/DESCRIPTION:

- The 2010 Ford Crown Victoria is no longer drivable nor repairable.
- All usable equipment has been recycled.
- There is an interested buyer who would remove the vehicle at their expense.

II. RECOMMENDED ACTION:

Staff recommends approving the salvage and allowing the City Manager to handle as appropriate.

III. FISCAL INFORMATION - This is an unbudgeted item.

IV. FUND INFORMATION:

Dept. Director: Dee Rowell, Chief of Police	Fund	Account	Amount
	(To) 11-4400-020	Sale of Proceeds of Assets	\$250.00
	FUND	ACCOUNT	AMOUNT
Meeting Date: January 3, 2022	(From)		

V. ATTACHMENTS:

1. 20211220151000325

Kathryn Rowell

From: bosam1@aol.com
Sent: Wednesday, December 1, 2021 3:34 PM
To: Kathryn Rowell
Subject: Car purchase

Follow Up Flag: Follow up
Flag Status: Flagged

Hi, my name is Terry Moore. I talked to you earlier today about buying a patrol car that you no longer use. The specs say that a 2010 Crown Victoria weights 4,058 pounds and current complete car scrap price is \$60.00 per ton for a total of \$120.00 scrap price. That information was acquired from Washita Pipe and Steel. With that in mind, I will offer \$250.00 for the car. You can contact me at 405-222-8258 with questions or concerns. Thanks



City of
CHICKASHA

Meeting Type: 1/3/2022 6:30 PM, City Council Meeting

Meeting Date: 1/3/2022

Department: Parks and Rec

Agenda Item No. 6.e.

AGENDA ITEM: Discussion, consideration and possible action to award bid COC-2105 Chickasha Sports Complex Field Leveling and Repair to United Turf & Track in an amount not to exceed \$93,780.00 contingent upon approved funding from Chickasha Industrial Authority.

I. BACKGROUND/DESCRIPTION:

Staff was authorized to solicit bids on November 15, 2021 for the Complex Field Leveling and Repair. Staff has reviewed the bids and is recommending that we go with United Turf & Track's bid of \$93,780.00. As United is not the lowest bid, they meet the minimum requirements set forth in the bid package. (To bid on this project your company must show proof of at least 5 years of experience building sports fields or be a Certified Field Builder with the American Sports Builders Association). With this statement from the bid package, this makes United Turf & Track the lowest responsible bidder.

II. RECOMMENDED ACTION:

Staff recommends awarding the bid to United Turf & Track for an amount not to exceed \$93,780.00.

III. FISCAL INFORMATION - Funding is to be provided through the Chickasha Industrial Authority.

IV. FUND INFORMATION:

Dept. Director: NAME, TITLE Kyle Marks, Director of Parks and Recreation	Fund	Account	Amount
	(To)		
	FUND	ACCOUNT	AMOUNT
Meeting Date: January 3, 2022	(From) TBD		93,780.00

V. ATTACHMENTS:

1. COC-2105 bid tabultaion sheet
2. Mid America Bid
3. Simonize bid
4. United Turf & Track bid

BID OPENING
CITY OF CHICKASHA
COC-2105
CHICKASHA COMPLEX FIELD LEVELING AND REPAIR
CHICKASHA, OKLAHOMA
 DECEMBER 6, 2021
 AS-READ BID TABULATION

DATE/TIME OF BID OPENING

12/6/2021 10:30

NAME:	BID:	NAME:	BID:
<u>United Turf & Track</u>	<u>\$93,780.00</u>		
Mid America Sports Construction	\$236,962.00		
Simonize Sports and Field Service	\$91,374.00		

**MID AMERICA
SPORTS CONSTRUCTION**



**1621 SE SUMMIT ST. LEE'S SUMMIT, MO 64081
816-524-0010
MID-AMERICASPORTSCONSTRUCTION.COM**

**CITY OF CHICKASHA
CHICKASHA SPORTS COMPLEX FIELD LEVELING AND REPAIR
BID SPECIFICATIONS
BID NO. COC-2105**

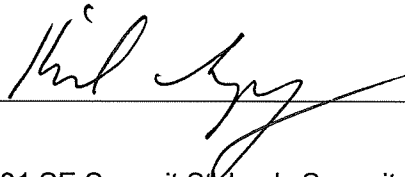
Bid Amount

\$236,962.00
Add Sales Tax: 10,255.00

I certify that the attached quote(s) are correct, and the delivery date will be met. I understand that if my quote is not honored or the delivery date is not met the City of Chickasha may withdraw the award and as a result your firm will be disqualified as a bidder for the City of Chickasha.

DATE: December 6, 2021

NAME: Kirk Grego, President

SIGNATURE: 

ADDRESS: 1621 SE Summit St. Lee's Summit, MO 64081

PHONE NUMBER: 816-524-0010

E-MAIL ADDRESS cnicoli@mid-america-golf.com

INVITATION TO BID

MAIL SEALED BIDS TO:	PERSONAL OR COMMON CARRIER DELIVERY
CHICKASHA CITY CLERK	CHICKASHA CITY CLERK
117 NORTH 4TH STREET	117 NORTH 4TH STREET
CHICKASHA, OKLAHOMA 73018	CHICKASHA, OKLAHOMA 73018

DATE BID TYPED: 10/18/2021		BID NO: COC-2105		TITLE: Chickasha Sports Complex Field Leveling and Repair	
NO BIDS WILL BE ACCEPTED AFTER: Monday December 6th, 2021 @ 10:30 P.M.				CONTRACT PERIOD	
VENDORS NAME: Mid-America Golf and Landscape, Inc. DBA Mid-America Sports Construction				REASON FOR NO BID:	
MAILING ADDRESS: 1621 SE Summit Street					
CITY: Lee's Summit		STATE: Missouri		ZIP: 64081	
AREA CODE: 816		TELEPHONE NO. 816-524-0010		FAX NO. 816-524-0150	
E-MAIL ADDRESS: cnicoli@mid-america-golf.com				FEDERAL EMPLOYER IDENTIFICATION NO. OR SOCIAL SECURITY NO. 43-1635251	

NON-COLLUSION AFFIDAVIT

(This bid is invalid if BOTH Affidavits are not signed and notarized)

STATE OF MO, COUNTY OF Clay

Kirk Grego of lawful age, being first duly sworn on oath, says that 1. (s)he is the duly authorized agent of the above bidder submitting the competitive bid which is attached to this statement, for the purpose of certifying the facts pertaining to the existence of collusion among bidders and between bidders and city officials or employees, as well as facts pertaining to the giving or offering of things of value to city personnel in return for special consideration in the letting of any contract pursuant to the bid to which this statement is attached. 2. (s)he is fully aware of the facts and circumstances surrounding the making of the bid to which this statement is attached and has been personally and directly involved in the proceedings leading to the submission of such bid; and 3. Neither the bidder nor anyone subject to the bidder's direction or control has been a party:

- to any collusion among bidders in restraint of freedom of competition by agreement to bid at a fixed price or to refrain from bidding,
- to any collusion with any city official or employee as to quantity, quality or price in the prospective contract, nor
- in any discussions between bidders and any city official concerning exchange of money or other thing of value for special consideration in the letting of a contract.

Subscribed and sworn to before me this 1st day of Dec., 2021
Tamara S. Dowdy
Notary

Nov. 2, 2023
My Commission Expires:

NOTARY PUBLIC
TAMARA S. DOWDY
My Commission Expires
November 2, 2023
Clay County
Commission #12320888
THIS AFFIDAVIT MUST BE SIGNED AND NOTARIZED!

BUSINESS RELATION AFFIDAVIT

(This bid is invalid if BOTH Affidavits are not signed and notarized)

STATE OF MO, COUNTY OF Clay

Kirk Grego of lawful age, being first duly sworn on oath, says that (s)he is the agent authorized by the bidder to submit the attached bid. Affiant further states that the nature of any relationship presently in effect or which existed within one (1) year prior to the date of this statement with the architect, engineer, or other party to the project is as follows:
N/A

Affiant further states that any such business relationship presently in effect or which existed within one (1) year prior to the date of this statement between any officer or director of the bidding company and any officer or director of the architectural or engineering firm or other party to the project is as follows:
N/A

Affiant further states that the names of all persons having any such business relationships and the positions they hold with their respective companies or firms are as follows:
N/A

(If none of the business relationships herein above mentioned exist; Affiant should so state).

Subscribed and sworn to before me this 1st day of Dec., 2021
Tamara S. Dowdy
Notary

Nov. 2, 2023
My Commission Expires:

NOTARY PUBLIC
TAMARA S. DOWDY
My Commission Expires
November 2, 2023
Clay County
Commission #12320888
THIS AFFIDAVIT MUST BE SIGNED AND NOTARIZED!

SEALED BIDS: All sheets bid on and this form must be executed and submitted in a sealed envelope. (DO NOT INCLUDE MORE THAN ONE BID PER ENVELOPE). The face of the envelope shall contain, in addition to the mailing address, the words "SEALED BID" the date of the bid opening and the contract number. Bids submitted in Federal Express or other specialized delivery envelopes shall be enclosed in a separate envelope marked as indicated above. Bids not submitted in properly marked envelopes or on the attached bid form shall be rejected. In the case of "No Bid" the vendor shall return the "Invitation to Bid" with the "Reason for No Bid" properly filled in, to remain on the City of Chickasha's active vendor/contractor list

EXECUTION OF BID: Bid must contain an original signature of an authorized representative in the space provided. Bids must be typed or printed in ink. Use of erasable ink is not permitted. ALL CORRECTIONS MADE BY BIDDER TO HIS BID MUST BE INITIALED.

BID OPENING: It is bidder's responsibility to assure that his bid is delivered at the proper time and place of the bid opening. Bids which for any reason are not so delivered, will not be considered. Offers by telegram or telephone are not acceptable. **NOTE:** Bid files may be examined during normal working hours by appointment. Bid tabulations WILL NOT be provided by telephone.

MISTAKES: Bidders are expected to examine the specifications, delivery schedule, bid prices and all instructions pertaining to supplies and services. Failure to do so will be at bidder's risk. In case of mistake in extension, the unit price will govern.

INVOICING AND PAYMENT: The vendor shall be paid upon submission of proper certified invoices to the City of Chickasha at the prices stipulated on the contract. Invoices shall contain the contract number and purchase order number. Failure to follow these instructions may result in delay of processing invoices for payment.

WAIVER: City of Chickasha reserves the right to waive any general provision, special provision or minor specification deviation when considered to be in the best interest of the City of Chickasha. Any bid received by the awarding public agency or an officer or employee thereof, more than ninety-six (96) hours excluding Saturdays, Sundays and holidays before the time set for the opening of bids, or any bid so received after the time set for opening of bids, shall not be considered by the awarding public agency and shall be returned unopened to the bidder submitting same.



Mid-America Sports Construction

“We are only as good as our last project”

Mid-America Sports Construction

1621 SE Summit Street
Lee's Summit, Mo 64081
816.524.0010
bwilson@mid-america-golf.com
www.mid-america-sportsconstruction.com





Company Overview

Mid-America Sports Construction is located in Lee's Summit, MO. Our team brings the Midwestern values we hold close to each and every project throughout the United States. For the past 25 years, we have staked our claim in the sports construction industry; growing into the nation's preeminent field contractor of natural turf and synthetic turf sports fields as well as complete sport complexes. Our natural and synthetic grass installations for athletic fields of all kinds offer a quality of construction and project management that is unrivaled in our industry.

Vision: To excel in building high quality athletic fields.

Mission: Mid-America Sports Construction is dedicated to excellence in providing the highest level of quality and service to exceed client expectations. Our company is based on family traditions and principals and we take pride in developing lasting relationships. Mid-America Sports Construction believes our legacy is what we leave behind.

Values: Family, Honesty, Integrity, Skill, Hard work, and Responsibility, with a commitment to continuous improvement.

Mid-America Sports Construction offers a full range of services utilizing the latest in state-of-the-art technology and equipment. Our talented team possesses the capabilities to assist with any aspect of your project needs from inception to completion. We were formed in 1993 with the aspiration to construct world-class athletic venue. We have built a solid reputation by utilizing 3 key elements:

- The expertise and capabilities to handle even the most complex projects
- The motivation and management to fulfill our obligation and complete the project on time and on budget
- The commitment to relationships that ensure every detail will be skillfully handled before, during and long after completion. Our team approaches every job the same, with attention to detail and a commitment to excellence.

Our continued growth as a company is based upon the values we established long ago. We are committed to listening to our clients and making them a part of the process. We provide a level of project management and cost control that serves the best interests of our clients at all times. It is an honor to do the work we do, and we never forget that fact. Striving for customer satisfaction will always be our number one goal.

Mid-America Sports Construction is a branch of Mid-America Golf and Landscape. Started in 1993, Mid-America Sports Construction has been delivering some of the top athletic fields in the nation for over 20 years. Since Mid-America Sports Construction was derived from a golf course construction company, we are able to give the end user not only top of the line synthetic sports fields but also beautiful, top performing, natural grass fields.





Mid-America Sports Construction DBA Mid-America Golf and Landscape's Dun and Bradstreet number is 809924434. Mid-America Sports Construction will be happy to provide a comprehensive insight plus report upon further discussion.

Kirk Grego, part owner of Mid-America Golf and Landscape is a Certified Field Builder. This allows Mid-America Sports Construction to keep up with industries cutting edge technology and allows us to give the customer the best product and service available.

Mid-America Sports Construction is interested in being able to offer the top-quality product to school and government entities across the nation. Mid-America offers the highest quality of work and we can assure you that we are the best choice for Rockwood School Districts turf needs.

Testimonials

"Mid America Golf, Kirk Grego and his team did an outstanding job of properly preparing the site on time and on budget. **I believe their expertise and experience with sport field installations saved our project thousands of dollars on potential change orders, while not compromising the quality of the work.**"

-James K. Villamaria, St. Mary's Colgan USD 250 Athletic Facilities Task Force, *Chairman*

"**I would, without hesitation, recommend Mid-America Golf and Landscape for athletic field work.** All representatives of Mid-America Golf and Landscape were extremely professional and motivated to provide the highest quality product possible. They also worked diligently to ensure the projects were completed on schedule and in budget. We couldn't be happier with the outcome. The Independence School District now has two first class synthetic athletic fields of which we are truly proud."

-Bob Robinson, Independence School District, *Director of Facilities*

"Mid-America Sports Construction has proven to be a highly qualified Athletic Field Contractor. The Employees go out of their way to complete the project accurately and professionally. **I will recommend Mid-America Sports Construction for any athletic field project**"

-Bill Dickerson, The University of Kansas, *Former Athletic Director*

"I was extremely pleased with their work and flexibility and I will tell you their professionalism carried their every day.

It was a pleasure to work with those guys and I was not an easy customer and I know that...so thanks JD,"

-John Keilty, Mount St Mary Catholic High School

"From bid process to project completion, the Mid-America Sports Construction team was a pleasure for each UCM department associated with the project to work with. Their quality of work, professional manner, and timeliness continued to impress us at every step of the project. Given the unexpected nature of a Missouri winter, the team expertly handled each situation they encountered due to the weather with ease and created a solution in order to meet our aggressive timeline." **-Chalres Ambrose**, President, University Central Missouri



BASEBALL



The Nations Preeminent Field Contractor
Of Natural and Synthetic Grass Baseball Fields

Mid America Sports Construction BASEBALL PORTFOLIO

Mid-America Sports Construction is located in Lee's Summit, MO. Our team brings the Midwestern values we hold close to each and every project throughout the United States. For the past 20 years, we have staked our claim in the sports construction industry; growing into the nations preeminent field contractor of natural turf and synthetic turf baseball fields. Our natural and synthetic grass installations offers a quality of construction and project management that is unrivaled in our industry.

40+ Synthetic and Natural Grass
Baseball Projects

"We absolutely love having AstroTurf on our facility. We were looking for a product that played at an elite level, was durable, individualized and looked good. Additionally, we wanted to partner with a company we could trust to give us first rate service after the installation. AstroTurf has delivered in all areas. Our players and staff love it. When visiting teams play at our field the coaches always tell me "If and when we get a turf field, we want it to play like yours." I feel that our field gives us a huge advantage on the development side and is complete game changer.

-Rick Heller, University of Iowa Head Coach



Mid-America Sports Construction's Baseball Projects Include:

L. Dale Mitchel & Marita Hynes Field
University of Oklahoma

Duane Banks Field
University of Iowa

Hoglund Ballpark
University of Kansas

Cavalier Field
Dodge City Community College

Dave Regan Field
City of Fort Scott

Falcon Field
United States Air Force Academy

Ronken Field at Karras Park
Augustana College

Frank Myers Field
Kansas State University

Ranger Field at Myer Stadium
Northwestern Oklahoma State University

CommunityAmerica Ballpark
Kansas City T-Bones

Tompkins Field
University of Central Missouri

Greer Field at Turchin Stadium
Tulane University

Design Build

Design-Build is the simplest approach to construction. This technique involves a team working together from start to finish. It's the notion that when two organizations get together without distractions great ideas, that produce creative solutions to minimize costs, streamline schedules and maximize efficiencies, are born.

Design-Build is a construction delivery method that provides owners with a single point of contact for both the design and construction phases of a project. One entity holds single-source responsibility and contractual risk for every aspect of a build — from estimation, assessments and

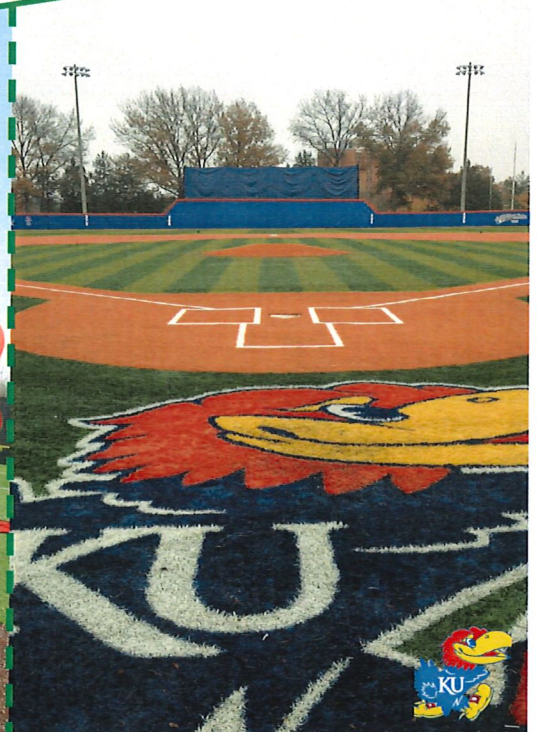
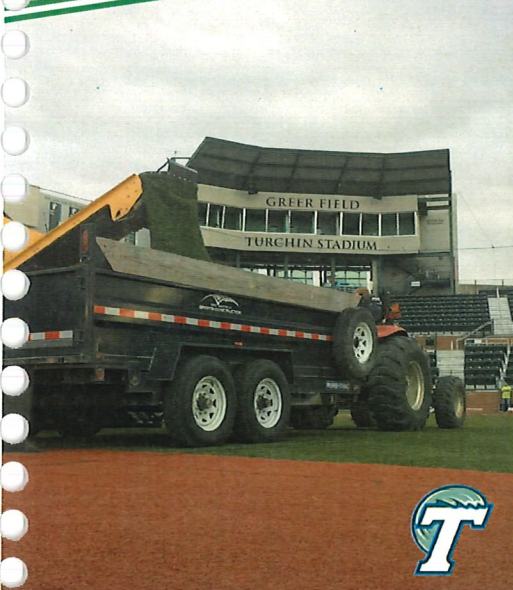
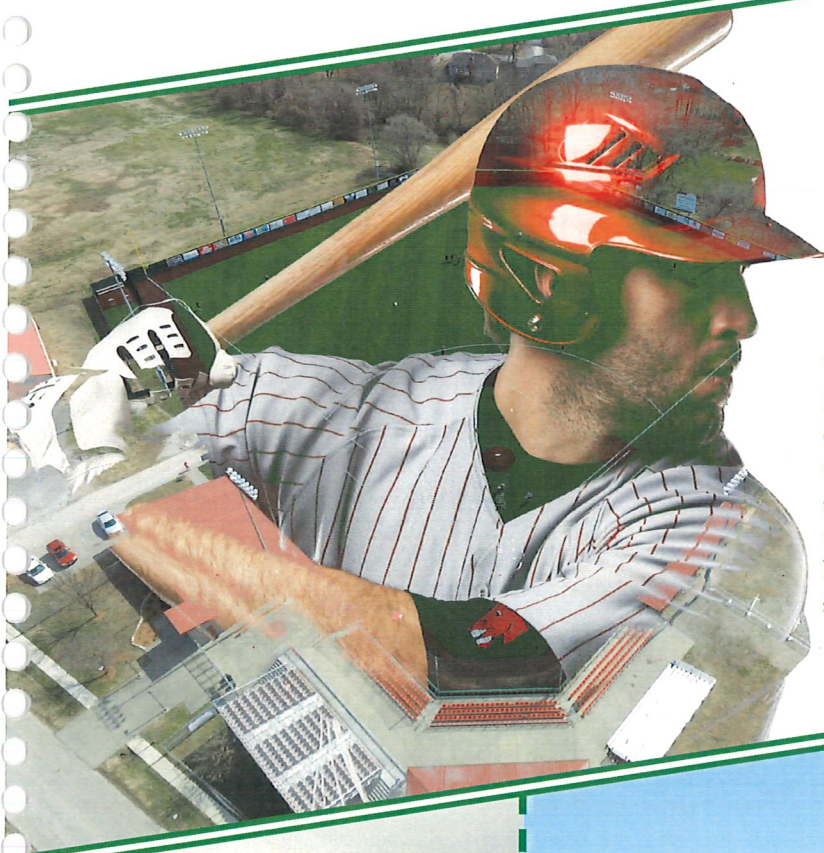
pre-construction to architecture, schematics, engineering, subcontracting, construction and post-construction.

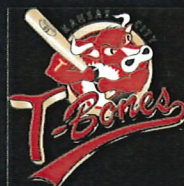
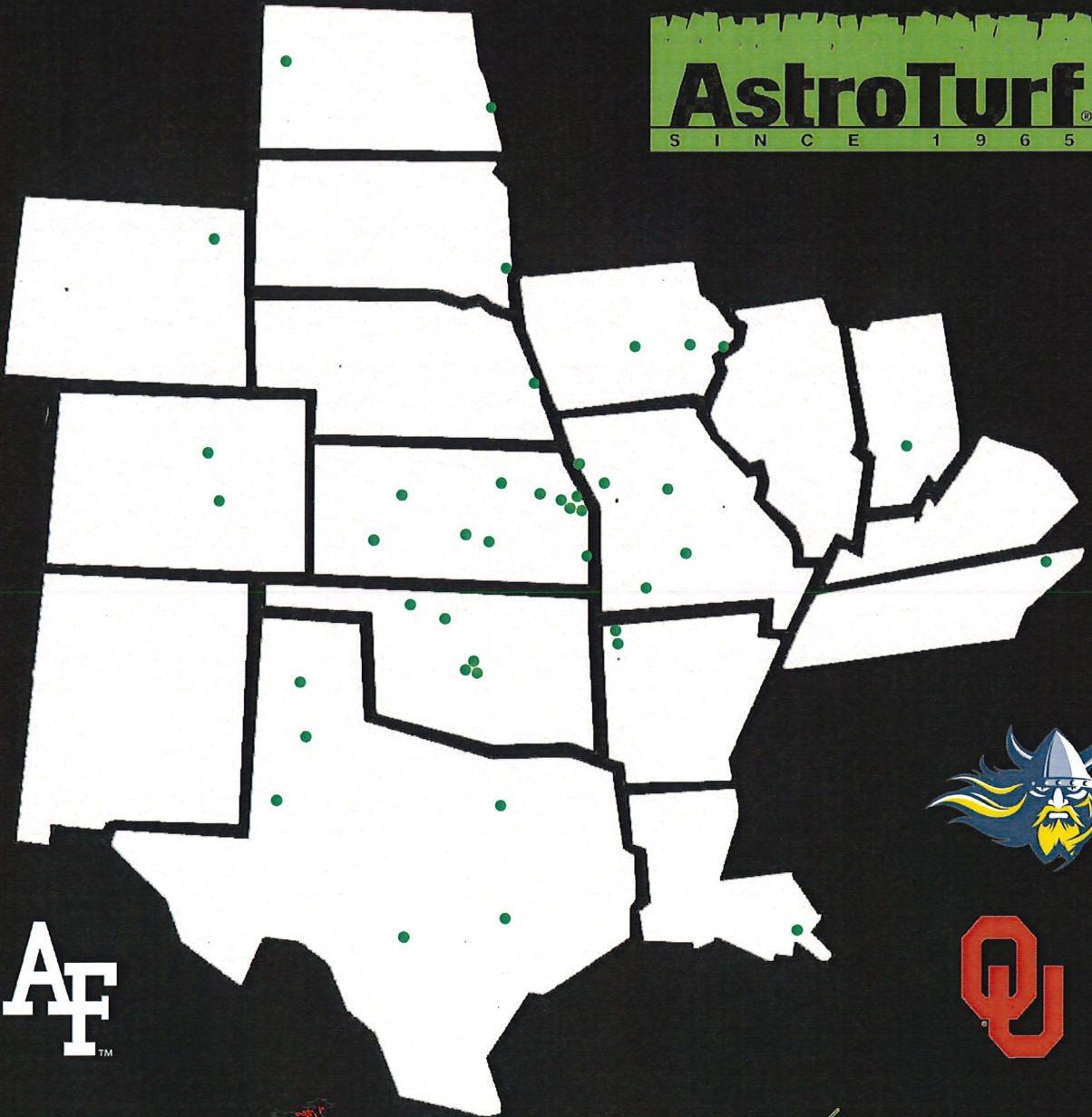
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-Dr. Charles Ambrose, President of UCM

"It will be a major step in improving our program and our facility. Adding this face lift to our stadium will ensure our chances to play and practice in any type of weather condition, and that is a huge deal in Colorado. I also feel it will be a major selling point in all of our recruiting efforts in getting the best student/athletes in the country. Another big plus will be the low maintenance of getting our field ready for practice and games."

-Mike Hutcheon, Air Force Head Coach





Mid-America Sports Construction
1621 E Summit St
Lees Summit, MO. 64081

Phone: 816.524.0010 | Mid-AmericaSportsConstruction.com | Fax: 816.524.0150



AMERICAN SPORTS BUILDERS ASSOCIATION

*Through Its Certification Board
Has Conferred Upon*

Kirk Grego

The Designation

CERTIFIED FIELD BUILDER

FOR EFFORTS TO RAISE THE PROFESSIONAL
STANDARDS OF FIELD CONSTRUCTION AND
FOR HAVING SUCCESSFULLY FULFILLED THE
CONDITIONS OF ELIGIBILITY AND PASSED THE
REQUIRED EXAMINATION.

In witness whereof we have set our hands on
this 3rd day of December, 2021

Certification expires: December 31, 2021

Executive Director

Certification Chairman





“We are only
as good as our
last project.”

CONTACT US

816.524.0010

info@mid-america-sportsconstruction.com

www.mid-america-sportsconstruction.com



Baseball



Pittsburg State University

Scope: Construction of synthetic turf on the baseball field

Architect: Design Build

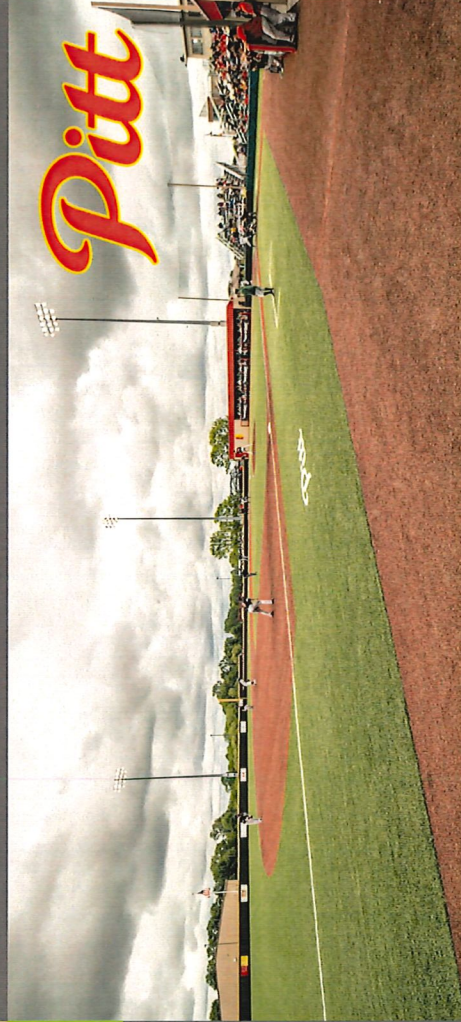
Date of Completion: October 2017

University of Missouri

Scope: Construction of synthetic turf for baseball infield

Architect: Design Build

Date of Completion: February 2018



Tulane University

Scope: Removal & installation of synthetic turf on baseball field

Architect: Design Build

Date of Completion: January 2017

Oral Roberts University

Scope: Construction of synthetic turf for baseball infield, warning track, & bullpens

Architect: N/A

Date of Completion: January 2017

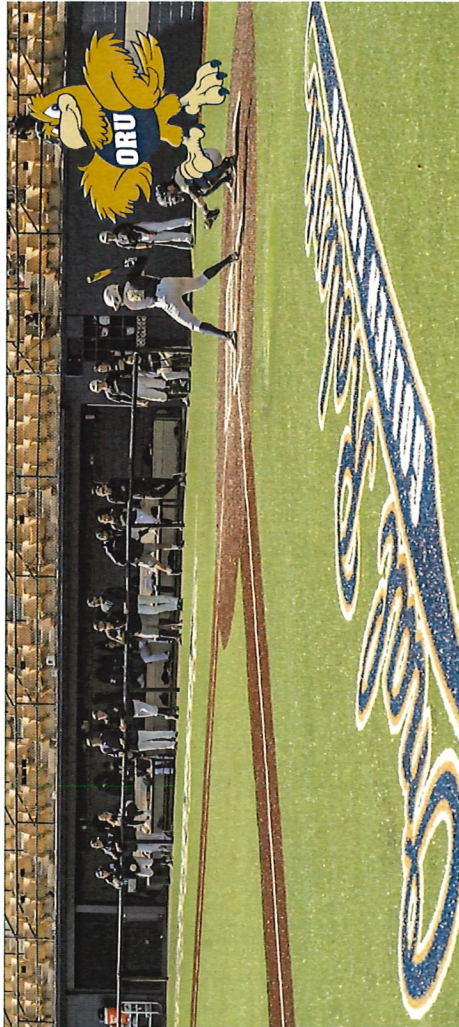


University of Central Missouri

Scope: Construction of synthetic turf baseball field

Architect: Design Build

Date of Completion: February 2016



Kansas City Urban Youth Academy

Scope: Construction & installation of 4 synthetic turf baseball fields

Architect: Populous

Date of Completion: October 2017



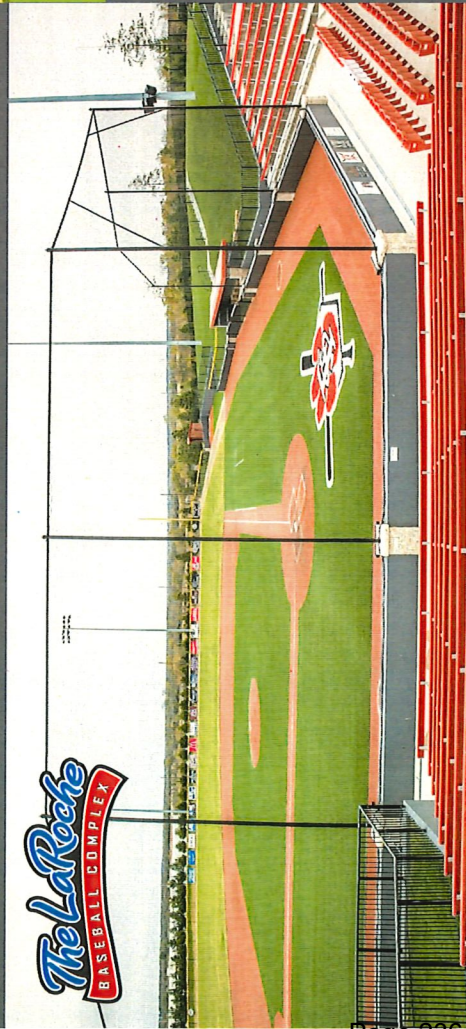
University of Iowa

Scope: Construction & installation of synthetic turf on

baseball field

Architect: Shive-Hattery

Date of Completion: March 2015



University of Oklahoma

Scope: Construction of synthetic turf for baseball field

Architect: Populous

Date of Completion: February 2016



The LaRoche Baseball Complex

*Donated by Adam LaRoche

Scope: Construction of synthetic turf baseball infield

Architect: Design Build

Date of Completion: September 2014

Johnson County Community College

Scope: Construction of synthetic turf for baseball field

Architect: AMAI Architects & VSR Design

Date of Completion: March 2013



Augustana University

Scope: Construction of synthetic turf baseball infield

Architect: Architecture Incorporated

Date of Completion: November 2012



Fort Hays State University

Scope: Construction of synthetic turf on baseball infield

Architect: Design Build

Date of Completion: November 2012



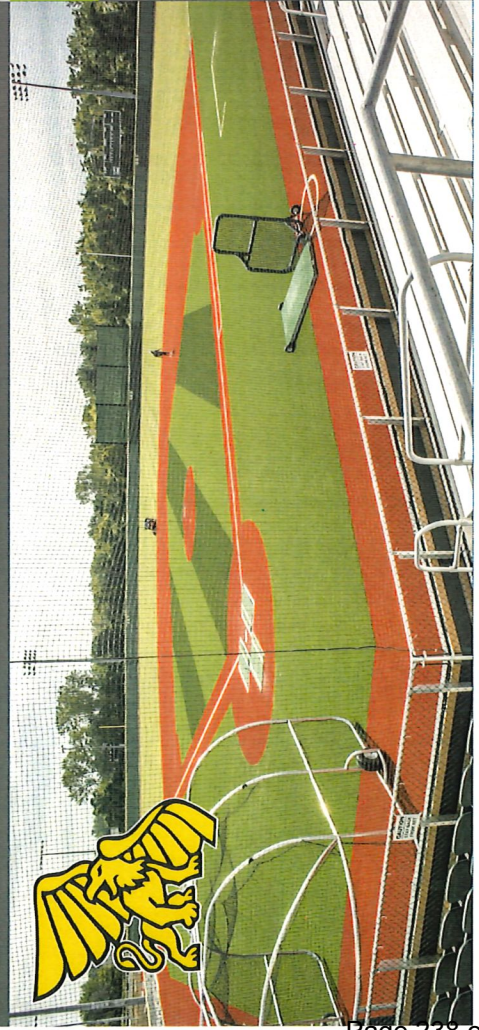


Kansas State University

Scope: Construction of synthetic turf on baseball field

Architect: N/A

Date of Completion: September 2011



NW Oklahoma State University

Scope: Construction of synthetic turf for baseball infield
Architect: Easley & Associates
Date of Completion: January 2012



Missouri Western State University

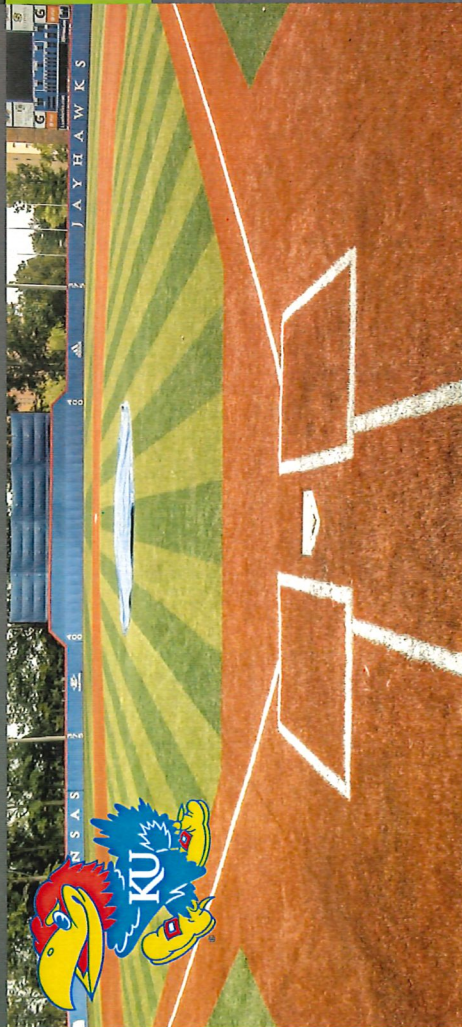
Scope: Construction of synthetic turf baseball infield
Architect: Ellison-Auxier Architects
Date of Completion: December 2010

Community America Ballpark

Scope: Remediate soccer field back to Semi-professional baseball field

Architect: N/A

Date of Completion: November 2010

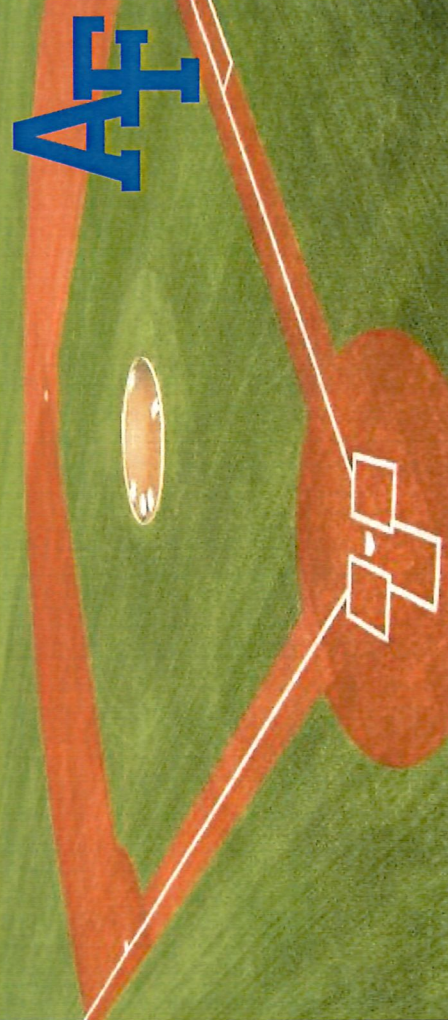


United States Air Force Academy

Scope: Construction of synthetic turf baseball field

Architect: URS

Date of Completion: July 2009



University of Kansas

Scope: Construction of synthetic turf baseball field

Architect: Gould Evans

Date of Completion: August 2010



AIA[®] Document A305[™] – 1986

Contractor's Qualification Statement

The Undersigned certifies under oath that the information provided herein is true and sufficiently complete so as not to be misleading.

SUBMITTED TO: City of Chickasha Oklahoma

ADDRESS: 117 North 4th Street Chickasha, OK 73018

SUBMITTED BY: Mid-America Golf and Landscape, Inc. DBA Mid-America Sports Construction

NAME: Kirk Grego

ADDRESS: 1621 SE Summit Street, Lee's Summit, MO 64081

PRINCIPAL OFFICE: Same as Above

☒ Corporation

☐ Partnership

☐ Individual

☐ Joint Venture

☐ Other

NAME OF PROJECT: Chickasha Sports Complex Field Leveling and Repair

TYPE OF WORK: *(file separate form for each Classification of Work)*

☐ General Construction

☐ HVAC

☐ Electrical

☐ Plumbing

☒ Other: *(Specify)* Athletic Improvements

§ 1 ORGANIZATION

§ 1.1 How many years has your organization been in business as a Contractor? 28

§ 1.2 How many years has your organization been in business under its present business name? 28

§ 1.2.1 Under what other or former names has your organization operated?

NA

§ 1.3 If your organization is a corporation, answer the following:

§ 1.3.1 Date of incorporation: March 1993

ADDITIONS AND DELETIONS:

The author of this document has added information needed for its completion. The author may also have revised the text of the original AIA standard form. An *Additions and Deletions Report* that notes added information as well as revisions to the standard form text is available from the author and should be reviewed. A vertical line in the left margin of this document indicates where the author has added necessary information and where the author has added to or deleted from the original AIA text.

This document has important legal consequences. Consultation with an attorney is encouraged with respect to its completion or modification.

This form is approved and recommended by the American Institute of Architects (AIA) and The Associated General Contractors of America (AGC) for use in evaluating the qualifications of contractors. No endorsement of the submitting party or verification of the information is made by AIA or AGC.

§ 1.3.2 State of incorporation: Missouri
§ 1.3.3 President's name: Kirk Grego
§ 1.3.4 Vice-president's name(s)

N/A

§ 1.3.5 Secretary's name: Mike Cordell
§ 1.3.6 Treasurer's name: Mike Cordell

§ 1.4 If your organization is a partnership, answer the following:

§ 1.4.1 Date of organization: NA
§ 1.4.2 Type of partnership (if applicable): NA
§ 1.4.3 Name(s) of general partner(s)

NA

§ 1.5 If your organization is individually owned, answer the following:

§ 1.5.1 Date of organization: NA
§ 1.5.2 Name of owner:

§ 1.6 If the form of your organization is other than those listed above, describe it and name the principals:

NA

§ 2 LICENSING

§ 2.1 List jurisdictions and trade categories in which your organization is legally qualified to do business, and indicate registration or license numbers, if applicable.

New Mexico – 359763	Louisiana – 41193
Missouri – 378234	
Arkansas – 0125490705	
Kansas – Cert. of Auth.	Minn. – Cert. of Auth.
Ohio – 1444365	Virginia – 2705081393A
Kentucky – Cert. of Auth.	Texas – Cert. of Auth.
Tenn. – 10466755	Colorado – Cert of Auth.
Alabama – 38343	Iowa – C004569.

§ 2.2 List jurisdictions in which your organization's partnership or trade name is filed.

New Mexico	Louisiana
Missouri	Arkansas
Kansas	Ohio
Kentucky	Minnesota
Virginia	Texas
Tennessee	Colorado
Alabama	Iowa
Nebraska	Oklahoma

§ 3 EXPERIENCE

§ 3.1 List the categories of work that your organization normally performs with its own forces.

New golf course construction, Full golf course feature renovations, golf course drainage and irrigation installation only projects. New sports field construction, full sports field construction renovations, sports field drainage and irrigation installations, synthetic turf base construction and synthetic turf installation.

§ 3.2 Claims and Suits. (If the answer to any of the questions below is yes, please attach details.)

§ 3.2.1 Has your organization ever failed to complete any work awarded to it?

None

§ 3.2.2 Are there any judgments, claims, arbitration proceedings or suits pending or outstanding against your organization or its officers?

None

§ 3.2.3 Has your organization filed any law suits or requested arbitration with regard to construction contracts within the last five years?

No

§ 3.3 Within the last five years, has any officer or principal of your organization ever been an officer or principal of another organization when it failed to complete a construction contract? (If the answer is yes, please attach details.)

No

§ 3.4 On a separate sheet, list major construction projects your organization has in progress, giving the name of project, owner, architect, contract amount, percent complete and scheduled completion date.

See Attachment in Bid

§ 3.4.1 State total worth of work in progress and under contract:

\$45,000,000.00

§ 3.5 On a separate sheet, list the major projects your organization has completed in the past five years, giving the name of project, owner, architect, contract amount, date of completion and percentage of the cost of the work performed with your own forces.

See Attachment in Bid

§ 3.5.1 State average annual amount of construction work performed during the past five years:

\$36,000,000.00

§ 3.6 On a separate sheet, list the construction experience and present commitments of the key individuals of your organization.

See Attachment in Bid

§ 4 REFERENCES

§ 4.1 Trade References:

University of Central Missouri-Scott Thomason, Asst. Athletic Director/Operations- 660-543-4011
Saint Pius X- Mick Witherow, Athletic Director-816-935-3246
Harrisonville High School- Brent Maxwell, Athletic Director- 660-351-2939

§ 4.2 Bank References:

Bank of the West- Larry Walsh 816-347-7113

§ 4.3 Surety:

§ 4.3.1 Name of bonding company:

The Guarantee Company of North America USA

§ 4.3.2 Name and address of agent:

Thomas McGee
920 Main Street, Suite 1700
Kansas City, MO 64105

§ 5 FINANCING

§ 5.1 Financial Statement.

§ 5.1.1 Attach a financial statement, preferably audited, including your organization's latest balance sheet and income statement showing the following items:

Current Assets (e.g., cash, joint venture accounts, accounts receivable, notes receivable, accrued income, deposits, materials inventory and prepaid expenses);

Net Fixed Assets;

Other Assets; WILL SUPPLY UPON AWARD

Current Liabilities (e.g., accounts payable, notes payable, accrued expenses, provision for income taxes, advances, accrued salaries and accrued payroll taxes);

Other Liabilities (e.g., capital, capital stock, authorized and outstanding shares par values, earned surplus and retained earnings).

§ 5.1.2 Name and address of firm preparing attached financial statement, and date thereof:

Kemp and Company
7804 State Line Road, Prairie Village, KS 66208

§ 5.1.3 Is the attached financial statement for the identical organization named on page one?

§ 5.1.4 If not, explain the relationship and financial responsibility of the organization whose financial statement is provided (e.g., parent-subsidiary).

§ 5.2 Will the organization whose financial statement is attached act as guarantor of the contract for construction?

Yes

§ 6 SIGNATURE

§ 6.1 Dated at this 25th day of May 2021

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User Notes: (809984847)

Name of Organization: Mid-America Golf and Landscape, Inc. DBA: Mid-America Sports Construction

By: Kirk Grego

Title: President

Kirk Grego

§ 6.2

Kirk Grego is being duly sworn deposes and says that the information provided herein is true and sufficiently complete so as not to be misleading.

Subscribed and sworn before me this 1 day of December 2021

Notary Public:

Tamara L. Dowdy

My Commission Expires:

Nov. 2, 2023



TAMARA L. DOWDY
My Commission Expires
November 2, 2023
Clay County
Commission #12320888

INVITATION TO BID

MAIL SEALED BIDS TO:	PERSONAL OR COMMON CARRIER DELIVERY
CHICKASHA CITY CLERK	CHICKASHA CITY CLERK
117 NORTH 4TH STREET	117 NORTH 4TH STREET
CHICKASHA, OKLAHOMA 73018	CHICKASHA, OKLAHOMA 73018

DATE BID TYPED: 10/18/2021		BID NO: COC-2105		TITLE: Chickasha Sports Complex Field Leveling and Repair	
NO BIDS WILL BE ACCEPTED AFTER: Monday December 6th, 2021 @ 10:30 P.M.				CONTRACT PERIOD: completed in 45 Days	
VENDORS NAME: Simonize Sports Field Services LLC				REASON FOR NO BID:	
MAILING ADDRESS: 4008 N. Richard Ter.					
CITY: Mustang		STATE: OK		ZIP: 73064	
AREA CODE: 580		TELEPHONE NO. 618 0952		FAX NO.:	
E-MAIL ADDRESS: keanon.simon@yahoo.com				FEDERAL EMPLOYER IDENTIFICATION NO. OR SOCIAL SECURITY NO. 443 98 4162	

NON-COLLUSION AFFIDAVIT

(This bid is invalid if BOTH Affidavits are not signed and notarized)

STATE OF Oklahoma, COUNTY OF Grady,
Keanon Simon of lawful age, being first duly sworn on oath, says that 1. (s)he is the duly authorized agent of the above bidder submitting the competitive bid which is

attached to this statement, for the purpose of certifying the facts pertaining to the existence of collusion among bidders and between bidders and city officials or employees, as well as facts pertaining to the giving or offering of things of value to city personnel in return for special consideration in the letting of any contract pursuant to the bid to which this statement is attached. 2. (s)he is fully aware of the facts and circumstances surrounding the making of the bid to which this statement is attached and has been personally and directly involved in the proceedings leading to the submission of such bid; and 3. Neither the bidder nor anyone subject to the bidder's direction or control has been a party:

- to any collusion among bidders in restraint of freedom of competition by agreement to bid at a fixed price or to refrain from bidding,
- to any collusion with any city official or employee as to quantity, quality or price in the prospective contract, nor
- in any discussions between bidders and any city official concerning exchange of money or other thing of value for special consideration in the letting of a contract.

Subscribed and sworn to before me this 01 day of December, 20 21

Notary

12/09/2024
My Commission Expires:

Bidder

Simonize Sports Field Services LLC
KV

THIS AFFIDAVIT MUST BE SIGNED AND NOTARIZED!



BUSINESS RELATION AFFIDAVIT

(This bid is invalid if BOTH Affidavits are not signed and notarized)

STATE OF Oklahoma, COUNTY OF Grady,
Keanon Simon of lawful age, being first duly sworn on oath, says that (s)he is the agent authorized by the bidder to submit the attached bid. Affiant further states that the

nature of any relationship presently in effect or which existed within one (1) year prior to the date of this statement with the architect, engineer, or other party to the project is as follows:

Affiant further states that any such business relationship presently in effect or which existed within one (1) year prior to the date of this statement between any officer or director of the bidding company and any officer or director of the architectural or engineering firm or other party to the project is as follows:

Affiant further states that the names of all persons having any such business relationships and the positions they hold with their respective companies or firms are as follows:

(If none of the business relationships herein above mentioned exist; Affiant should so state).

Subscribed and sworn to before me this 01 day of December, 20 21

Notary

12/09/2024
My Commission Expires:

Bidder

Simonize Sports Field Services
KV

THIS AFFIDAVIT MUST BE SIGNED AND NOTARIZED!



SEALED BIDS: All sheets bid on and this form must be executed and submitted in a sealed envelope. (DO NOT INCLUDE MORE THAN ONE BID PER ENVELOPE). The face of the envelope shall contain, in addition to the mailing address, the words "SEALED BID" the date of the bid opening and the contract number. Bids submitted in Federal Express or other specialized delivery envelopes shall be enclosed in a separate envelope marked as indicated above. Bids not submitted in properly marked envelopes or on the attached bid form shall be rejected. In the case of "No Bid" the vendor shall return the "Invitation to Bid" with the "Reason for No Bid" properly filled in, to remain on the City of Chickasha's active vendor/contractor list

EXECUTION OF BID: Bid must contain an original signature of an authorized representative in the space provided. Bids must be typed or printed in ink. Use of erasable ink is not permitted. ALL CORRECTIONS MADE BY BIDDER TO THIS BID MUST BE INITIALED.

BID OPENING: It is bidder's responsibility to assure that his bid is delivered at the proper time and place of the bid opening. Bids which for any reason are not so delivered, will not be considered. Offers by telegram or telephone are not acceptable. NOTE: Bid files may be examined during normal working hours by appointment. Bid tabulations WILL NOT be provided by telephone. MISTAKES: Bidders are expected to examine the specifications, delivery schedule, bid prices and all instructions pertaining to supplies and services. Failure to do so will be at bidder's risk. In case of mistake in extension, the unit price will govern.

INVOICING AND PAYMENT: The vendor shall be paid upon submission of proper certified invoices to the City of Chickasha at the prices stipulated on the contract. Invoices shall contain the contract number and purchase order number. Failure to follow these instructions may result in delay of processing invoices for payment.

WAIVER: City of Chickasha reserves the right to waive any general provision, special provision or minor specification deviation when considered to be in the best interest of the City of Chickasha. Any bid received by the awarding public agency or an officer or employee thereof, more than ninety-six (96) hours excluding Saturdays, Sundays and holidays before the time set for the opening of bids, or any bid so received after the time set for opening of bids, shall not be considered by the awarding public agency and shall be returned unopened to the bidder submitting same.

**CITY OF CHICKASHA
CHICKASHA SPORTS COMPLEX FIELD LEVELING AND REPAIR
BID SPECIFICATIONS
BID NO. COC-2105**

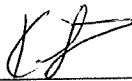
Bid Amount

\$ 91,374

I certify that the attached quote(s) are correct, and the delivery date will be met. I understand that if my quote is not honored or the delivery date is not met the City of Chickasha may withdraw the award and as a result your firm will be disqualified as a bidder for the City of Chickasha.

DATE: 12-1-21

NAME: Kearon Simon, Simonize Sports Field Services

SIGNATURE: 

ADDRESS: 408 N Richard Ter Mustang, OK 73064

PHONE NUMBER: 580 618 0952

E-MAIL ADDRESS kearon.simon@yahoo.com

Simonize Sports Field Services, LLC
408 N Richard Ter
Mustang, Oklahoma 73064
Phone: 580.618.0952

12/1/2021

Chickasha Sports Complex

Description of work: Field 1

- * Apply 40 yards of Infield mix
- * Edge field
- * Till material
- * Rough grade, Laser grade, roll
- * Import and Apply 2 tons of Red Turface
- * Set home plate, pitching and base anchors to final evaluation
- * Lip removal and cleanup

TOTAL	\$5,674
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Description of work: Field 2

- * Apply 30 yards of Infield mix
- * Edge field
- * Till material
- * Rough grade, Laser grade, roll
- * Import and Apply 2 tons of Red Turface
- * Set home plate, pitching and base anchors to final evaluation
- * Lip removal and cleanup

TOTAL	\$4,900
-------	---------

Description of work: Field 3

- * Apply 40 yards of Infield mix
- * Edge field
- * Till material
- * Rough grade, Laser grade, roll
- * Import and Apply 2 tons of Red Turface
- * Set home plate, pitching and base anchors to final evaluation
- * Lip removal and cleanup

TOTAL	\$5,675
-------	---------

Description of work: Field 4

- * Apply 40 yards of Infield mix
- * Edge field
- * Till material
- * Rough grade, Laser grade, roll
- * Import and Apply 2 tons of Red Turface
- * Set home plate, pitching and base anchors to final evaluation
- * Lip removal and cleanup

TOTAL	\$5,675
-------	---------

Description of work: Field 5

- * Apply 60 yards of Infield mix
- * Edge field

- * Till material
- * Rough grade, Laser grade, roll
- * Import and Apply 2 tons of Red Turface
- * Set home plate, pitching and base anchors to final evaluation
- * Lip removal and cleanup

TOTAL \$6,500

Description of work: Field 6

- * Apply 100 yards of Infield mix
- * Edge field
- * Till material
- * Rough grade, Laser grade, roll
- * Import and Apply 2 tons of Red Turface
- * Set home plate, pitching and base anchors to final evaluation
- * Lip removal and cleanup

TOTAL \$8,500

Description of work: Field 7

- * Apply 80 yards of Infield mix
- * Edge field
- * Till material
- * Rough grade, Laser grade, roll
- * Import and Apply 2 tons of Red Turface
- * Set home plate, pitching and base anchors to final evaluation
- * Lip removal and cleanup

TOTAL \$7,550

Description of work: Field 8

- * Apply 50 yards of Infield mix
- * Edge field
- * Till material
- * Rough grade, Laser grade, roll
- * Import and Apply 2 tons of Red Turface
- * Set home plate, pitching and base anchors to final evaluation
- * Lip removal and cleanup

TOTAL \$6,100

Description of work: Field 9

- * Apply 80 yards of Infield mix
- * Edge field
- * Till material
- * Rough grade, Laser grade, roll
- * Import and Apply 2 tons of Red Turface
- * Set home plate, pitching and base anchors to final evaluation
- * Lip removal and cleanup

TOTAL \$7,550

Description of work: Field 10

- * Apply 30 yards of Infield mix
- * Edge field

- * Till material
- * Rough grade, Laser grade, roll
- * Import and Apply 2 tons of Red Turface
- * Set home plate, pitching and base anchors to final evaluation
- * Lip removal and cleanup

TOTAL \$4,900

Description of work: Field 11

- * Apply 10 yards of Infield mix
- * Edge field
- * Till material
- * Rough grade, Laser grade, roll
- * Import and Apply 2 tons of Red Turface
- * Set home plate, pitching and base anchors to final evaluation
- * Lip removal and cleanup

TOTAL \$4,000

Description of work: Field 12

- * Apply 60 yards of Infield mix
- * Edge field
- * Till material
- * Rough grade, Laser grade, roll
- * Import and Apply 2 tons of Red Turface
- * Set home plate, pitching and base anchors to final evaluation
- * Lip removal and cleanup

TOTAL \$6,500

Description of work: Field 13

- * Apply 60 yards of Infield mix
- * Edge field
- * Till material
- * Rough grade, Laser grade, roll
- * Import and Apply 2 tons of Red Turface
- * Set home plate, pitching and base anchors to final evaluation
- * Lip removal and cleanup

TOTAL \$6,500

Description of work: Field 14

- * Apply 40 yards of Infield mix
- * Edge field
- * Till material
- * Rough grade, Laser grade, roll
- * Import and Apply 2 tons of Red Turface
- * Set home plate, pitching and base anchors to final evaluation
- * Lip removal and cleanup

TOTAL \$5,675

Description of work: Field 15

- * Apply 40 yards of Infield mix
- * Edge field

- * Till material
- * Rough grade, Laser grade, roll
- * Import and Apply 2 tons of Red Turface
- * Set home plate, pitching and base anchors to final evaluation
- * Lip removal and cleanup

TOTAL	\$5,675
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GRAND TOTAL (Fields 1-15)	\$91,374
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NOTES:

Need tax exempt prior to dirt delivery or taxes will be charged.

Flag sprinklers and quick connects. Not responsible for unflagged areas.

Job will be completed within 45 days of approval date, weather permitting.

KS City of Chickasha will provide home plate, base anchors, and Pitching Rubbers.

Simonize Sports Field Services LLC

**408 N Richard Ter
Mustang, OK 73064**

(580)-618-0952

Keanon.simon@yahoo.com

- Choctaw High School baseball field: Infield laser remodel and laser grade level outfield
- Firelake complex softball fields: Laser grade/lip removal
- Burkburnett High School baseball: Laser infield remodel/outfield remodel
- Edmond Santa Fe High School: Baseball laser level
- Calera High School: Baseball Infield laser remodel
- Ponca City Little League Complex: 2 infield laser remodels
- Norman High School baseball: Built practice infield and screed level
- Vernon Junior College: Sod removal. Level Infield fair territory only on grass
- Arapaho High School: Laser level 2 fields
- Binger High School: Baseball and Softball laser level
- PCAA complex: Laser Remodel of 4 Infields.

References:

Chris Koulovatos

Redexim Turf Products
940-704-2950

Kelly Reavis

Firelake Complex
405-585-3855

INVITATION TO BID

MAIL SEALED BIDS TO:	PERSONAL OR COMMON CARRIER DELIVERY
CHICKASHA CITY CLERK	CHICKASHA CITY CLERK
117 NORTH 4TH STREET	117 NORTH 4TH STREET
CHICKASHA, OKLAHOMA 73018	CHICKASHA, OKLAHOMA 73018

DATE BID TYPED: 10/18/2021	BID NO: COC-2105	TITLE: Chickasha Sports Complex Field Leveling and Repair
NO BIDS WILL BE ACCEPTED AFTER: Monday December 6th, 2021 @ 10:30 P.M.		CONTRACT PERIOD: Complete 2/11/2022
VENDORS NAME: R Group Inc. DBA United Turf and Track		REASON FOR NO BID: NA
MAILING ADDRESS: PO Box 565		
CITY: Arcadia	STATE: OK	ZIP: 73007
AREA CODE: 405	TELEPHONE NO. 747-0993	FAX NO.
E-MAIL ADDRESS: jerrod@unitedturfandtrack.com		TERMS: Per Contract
		DELIVERY: Per Contract
		FEDERAL EMPLOYER IDENTIFICATION NO. OR SOCIAL SECURITY NO. 45-2609105

NON-COLLUSION AFFIDAVIT

(This bid is invalid if BOTH Affidavits are not signed and notarized)

STATE OF Oklahoma, COUNTY OF Oklahoma

Jeff Salmond

of lawful age, being first duly sworn on oath, says that 1. (s)he is the duly authorized agent of the above bidder submitting KAREN THOMPSON which is attached to this statement, for the purpose of certifying the facts pertaining to the existence of collusion among bidders and between bidders and city officials or employees of the City of Chickasha. 2. (s)he is fully aware of the facts giving or offering of things of value to city personnel in return for special consideration in the letting of any contract pursuant to the bid to which this statement is attached and has been personally and directly involved in the proceedings leading to the submission of such bid, and 3. Neither the bidder nor anyone subject to the bidder's direction or control has been a party:

- to any collusion among bidders in restraint of freedom of competition by agreement to bid at a fixed price or to refrain from bidding,
- to any collusion with any city official or employee as to quantity, quality or price in the prospective contract, nor
- in any discussions between bidders and any city official concerning exchange of money or other thing of value for special consideration in the letting of a contract.

Subscribed and sworn to before me this 10 day of December, 2021

Notary

My Commission Expires: 6/18/23

Bidder Jeff Salmond

THIS AFFIDAVIT MUST BE SIGNED AND NOTARIZED!

BUSINESS RELATION AFFIDAVIT

(This bid is invalid if BOTH Affidavits are not signed and notarized)

STATE OF Oklahoma, COUNTY OF Oklahoma

Jeff Salmond

of lawful age, being first duly sworn on oath, says that (s)he is the agent authorized by the bidder to submit the attached bid. Affiant further states that the nature of any relationship presently in effect or which existed within one (1) year prior to the date of this statement with the architect, engineer, or other party to the project is as follows:

None

Affiant further states that any such business relationship presently in effect or which existed within one (1) year prior to the date of this statement between any officer or director of the bidding company and any officer or director of the architectural or engineering firm or other party to the project is as follows:

None

Affiant further states that the names of all persons having any such business relationships and the positions they hold with their respective companies or firms are as follows:

None

(If none of the business relationships herein above mentioned exist; Affiant should so state).

Subscribed and sworn to before me this 10 day of December, 2021

Notary

My Commission Expires: 6/18/23

Bidder Jeff Salmond

THIS AFFIDAVIT MUST BE SIGNED AND NOTARIZED!

SEALED BIDS: All sheets bid on and this form must be executed and submitted in a sealed envelope. (DO NOT INCLUDE MORE THAN ONE BID PER ENVELOPE). The face of the envelope shall contain, in addition to the mailing address, the words "SEALED BID" the date of the bid opening and the contract number. Bids submitted in Federal Express or other specialized delivery envelopes shall be enclosed in a separate envelope marked as indicated above. Bids not submitted in properly marked envelopes or on the attached bid form shall be rejected. In the case of "No Bid" the vendor shall return the "Invitation to Bid" with the "Reason for No Bid" properly filled in, to remain on the City of Chickasha's active vendor/contractor list

EXECUTION OF BID: Bid must contain an original signature of an authorized representative in the space provided. Bids must be typed or printed in ink. Use of erasable ink is not permitted. ALL CORRECTIONS MADE BY BIDDER TO HIS BID MUST BE INITIALED.

BID OPENING: It is bidder's responsibility to assure that his bid is delivered at the proper time and place of the bid opening. Bids which for any reason are not so delivered, will not be considered. Offers by telegram or telephone are not acceptable. **NOTE:** Bid files may be examined during normal working hours by appointment. Bid tabulations WILL NOT be provided by telephone.

MISTAKES: Bidders are expected to examine the specifications, delivery schedule, bid prices and all instructions pertaining to supplies and services. Failure to do so will be at bidder's risk. In case of mistake in extension, the unit price will govern.

INVOICING AND PAYMENT: The vendor shall be paid upon submission of proper certified invoices to the City of Chickasha at the prices stipulated on the contract. Invoices shall contain the contract number and purchase order number. Failure to follow these instructions may result in delay of processing invoices for payment.

WAIVER: City of Chickasha reserves the right to waive any general provision, special provision or minor specification deviation when considered to be in the best interest of the City of Chickasha. Any bid received by the awarding public agency or an officer or employee thereof, more than ninety-six (96) hours excluding Saturdays, Sundays and holidays before the time set for the opening of bids, or any bid so received after the time set for opening of bids, shall not be considered by the awarding public agency and shall be returned unopened to the bidder submitting same.

Request for Proposal – COC-2105
Chickasha Sports Complex Field Leveling and Repair

Advertise Date: **November 18th, 2021**

Advertise Date: **November 23rd, 2021**

The City of Chickasha, Oklahoma, is accepting sealed proposals for Chickasha Sports Complex Field Leveling and Repair.

Bids shall be made in accordance with this Invitation for Bids and the Bidding Documents.

Sealed proposals shall be addressed to City Clerk, City of Chickasha, 117 North 4th Street, Chickasha, Oklahoma 73018, and shall be labeled **“RFP-COC-2105, DO NOT OPEN”** and **“Chickasha Sports Complex Field Leveling and Repair”**. Proposals shall be submitted no later than 10:30 a.m., local time on **December 6th, 2021**. It is the sole responsibility of the proponent to ensure that this proposal is in the City Hall of the City of Chickasha prior to the expiration of the time and date stated above. Bids will be opened in the City Conference Room, Second Floor – City Hall, 117 N. 4th Street, Chickasha, Oklahoma 73018

The Issuing Office for the Bidding Documents is: City of Chickasha. Technical questions should be emailed to Kyle Marks, at Kyle.Marks@chickasha.org or call 405.574.6520. Bidding Documents also may be examined at: City of Chickasha Website <http://www.chickasha.org/Bids.aspx>

Upon consideration of the proposal, the City of Chickasha reserves the right to accept or reject any and all proposals, to waive technicalities and to make any investigation deemed necessary concerning the proponent's ability to provide the services as covered by the specifications, and to accept what in their judgment is the most advantageous proposal.

Tyler Brooks
Tyler Brooks, City Manager

CERTIFICATION

I certify that the above “Request for Proposal” was posted on the bulletin board of City Hall, City of Chickasha, Oklahoma, on the 18 day of November, 2021.

Susan McDaniel, City Clerk

**CITY OF CHICKASHA
CHICKASHA SPORTS COMPLEX FIELD LEVELING AND REPAIR
BID SPECIFICATIONS
BID NO. COC-2105**

Bid Amount

\$ 93,780⁰⁰
*Ninety three thousand seven
hundred eighty dollars and ⁰⁰/₁₀₀*

I certify that the attached quote(s) are correct, and the delivery date will be met. I understand that if my quote is not honored or the delivery date is not met the City of Chickasha may withdraw the award and as a result your firm will be disqualified as a bidder for the City of Chickasha.

DATE: 12/6/2021

NAME: Jerrod Simmons

SIGNATURE: *Jerrod Simmons*

ADDRESS: PO Box 565 Arcadia, ok 73007

PHONE NUMBER: 405-747-0993

E-MAIL ADDRESS: jerrod@unitedturfandtrack.com



UNITED

TURF AND TRACK

PO BOX 565 ARCADIA, OK 73007

WWW.UNITEDTURFANDTRACK.COM

Monday, December 6, 2021

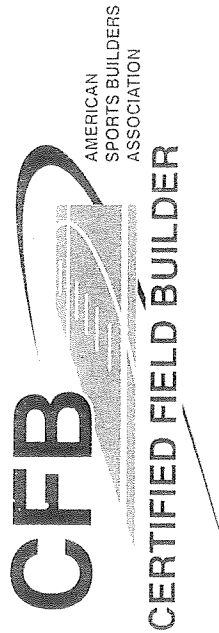
Chickasha Sports complex Dirt Quantities

Field

- 1 40 yards
- 2 30 yards
- 3 40 yards
- 4 40 yards
- 5 60 yards
- 6 100 yards
- 7 80 yards
- 8 50 yards
- 9 80 yards
- 10 30 yards
- 11 10 yards
- 12 60 yards
- 13 40 yards
- 14 40 yards
- 15 40 yards

Respectfully,

Jerrod Simmons, CFB
405-747-0993
Jerrod@unitedturfandtrack.com
Unitedturfandtrack.com



AMERICAN SPORTS BUILDERS ASSOCIATION

*Through Its Certification Board
Has Conferred Upon*

Jerrold Simmons

The Designation

CERTIFIED FIELD BUILDER

FOR EFFORTS TO RAISE THE PROFESSIONAL
STANDARDS OF FIELD CONSTRUCTION AND
FOR HAVING SUCCESSFULLY FULFILLED THE
CONDITIONS OF ELIGIBILITY AND PASSED THE
REQUIRED EXAMINATION.

In witness whereof we have set our hands on
this 26th day of April, 2019

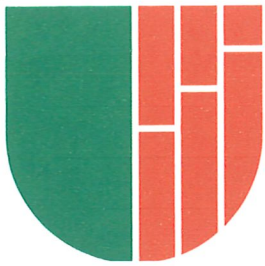
Certification expires: December 31, 2022

Executive Director

Jan D. Carolla

Certification Chairman





UNITED

TURF AND TRACK

CURRENT PROJECTS:

Oklahoma State University Cowgirls Softball Field Improvements

Owner: Oklahoma State University

Construction Manager: United Turf and Track

Contact: Dillon Ripley – 405-747-7748; Jerrod Simmons – 405-747-0993

Architect/Engineer: Frontier Engineering – Bobby Aldredge – 479-414-1013

Location: Stroud, OK

Scope of Work:

- AstroTurf RBI Synthetic system
- 45,000 SF of GPS field surfacing
- Earthwork
- DuraEdge Professional Infield mix
- Diamond Pro mound and plate
- Irrigation
- Fencing
- Wall padding

Stroud Public Schools Baseball Complex

Owner: Stroud Public Schools

Construction Manager: Ross Group Inc

Contact: Dylan Croslin – 918-200-1600

Architect/Engineer: BWA Architects – Noah Medley – 405-329-0423

Location: Stroud, OK

Scope of Work:

- Natural Grass Surfacing
- AstroTurf Synthetic halo and sideline surfacing
- 110,000 SF of GPS field surfacing
- Earthwork
- Sodding
- Irrigation

- Soil modification and organics
- Grow-in

Pittsburg Public Schools, Pittsburg Softball Field

Owner: Pittsburg Public Schools

Construction Manager: United Turf and Track

Contact: Jerrod Simmons – 405-747-0993

Architect/Engineer: PDG – Geoff Evans – 918-605-6075

Location: Pittsburg, OK

Scope of Work:

- Natura Grass Surfacing
- 45,000 SF of GPS field surfacing
- Earthwork
- Backstop tie system install
- Concrete walls and sports padding
- Sodding
- Irrigation
- Soil modification and organics
- Grow-in

Jenks High School, Jenks, OK Baseball Field

Owner: Jenks Public School

Contact: Jeremy Hairell – 918-955-2205

Construction Manager: United Turf and Track

Contact: Dillon Ripley – 405-747-7748

Engineer: Wallace Engineering – Jordan Rodich – 918-806-7401

Location: Jenks, OK

Scope of Work:

- 120,000 SF Synthetic Turf Baseball Field
- AstroTurf Diamond RBI, ERA, Rhino systems
- Earthwork
- Field Drainage System
- 8" Multi-Layer Aggregate Dynamic Base
- Laser Grading
- Concrete Work
- Foul poles
- Champion Wall

Midwest City Reed Sports Baseball Complex

Owner: Midwest City

Construction Manager: MacHill Construction

Contact: Cason Hill 580-320-6601

Architect/Engineer: Wall Engineering

Location: Midwest City, OK

Scope of Work:

- Earthwork
- Laser Grading
- Irrigation
- All natural grass installation

Oklahoma Christian University, Ray Vaughn Memorial Track

Owner: Oklahoma Christian University

Contact: John Hermes COO – 405-425-1810

Construction Manager: United Turf and Track

Contact: Dillon Ripley – 405-747-7748

Location: Oklahoma City, OK

Scope of Work:

- Site Demolition
- New track concrete curbing
- GPS asphalt track
- Beynon track surface
- 8 lane track

City of Fayetteville, AR, Kessler Mountain Complex, Baseball/Softball Infield Turf

Owner: City of Fayetteville, AR

Construction Manager: Crossland Heavy

Contact: Ron Edmond – 620-429-1410

Project Manager: United Turf and Track

Contact: Dillon Ripley -- 405-747-7748

Owner Oversight: Byron Humphreys – 479-841-5484

Architect: Garver

Location: Fayetteville, AR

Scope of Work:

- New construction baseball/softball infields
- 64,000 SF Synthetic Turf Baseball/Softball Field
- Earthwork
- Geo-Grid Stabilization Work
- Field Drainage System
- 6" Multi-Layer Aggregate Dynamic Base
- Laser Grading
- Concrete Curbing Work
- Bullpens and Batting Cages

Muskogee Football Stadium

Owner: Muskogee Public Schools

Construction Manager: Manhattan

Contact: Chris Griffin – 918-720-6729

Architect: GH2 – Jeremy Carlisle

Engineer: Wallace Engineering – Jordan Rodich – 918-806-7401

Location: Muskogee, OK

Scope of Work:

- New construction
- 83,000 SF Synthetic Turf Football Field
- Concrete curbing work
- Geo-Grid Stabilization Work
- Field Drainage System
- 6" Multi-Layer Aggregate Dynamic Base
- Laser Grading
- AstroTurf 3D3 52 turf system
- Concrete curbing
- Goal posts and net poles

COMPLETED PROJECTS:

Fields and Futures OKCPS Field Projects – U.S. Grant High School Baseball Infield

Owner: Oklahoma City Public Schools

Construction Manager: United Turf and Track, partner with Fields and Futures site specific

Contact: Jerrod Simmons – 405-747-0993

Location: Oklahoma City, OK

Scope of Work:

- 28,900 SF Synthetic Turf Baseball Infield
- AstroTurf Diamond OPS and ERA system
- Earthwork
- Field Drainage System
- 8" Multi-Layer Aggregate Dynamic Base
- Laser Grading
- Concrete Curbing Work

Riverside Indian School, Anadarko, OK Baseball and Softball Infields

Owner: Riverside Indian School

Contact: Jerrod Simmons – 405-747-0993

Construction Manager: Crutch Creek

Contact: Ray Williams – 405-642-3369

Engineer: Bobby Aldridge, Frontier Engineering – 479-414-1013

Location: Anadarko, OK

Scope of Work:

- 26,000 SF Synthetic Turf Baseball Infield
- 11,500 SF Synthetic Turf Softball Infield
- AstroTurf Diamond HR systems
- Earthwork
- Field Drainage System
- 8" Multi-Layer Aggregate Dynamic Base
- Laser Grading
- Concrete Curbing Work

Union High School Football Stadium

Owner: Union Public Schools

Construction Manager: Crossland Construction

Contact: John Pense, Project Engineer - 918-800-4696

Architect/Engineer: Land 3, Lee's Summit, MO

Location: Tulsa, OK

Scope of Work:

- Synthetic Turf Surfacing
- AstroTurf Rhino 48

- Brock SP17XL pad
- Demo old field
- Install new nailer board
- Laser-grading
- Revitalize base construction and drainage
- Netting system
- Football

Jones, OK High School Football Stadium

Owner: Jones Public Schools

Construction Manager: CMS Willowbrook

Contact: Brion Crawford – 405-206-1105

Architect/Engineer: LWPB

Location: Jones, OK

Scope of Work:

- 85,000 SF Synthetic Turf Surfacing
 - AstroTurf 3D3 52
- Earthwork
- Geo-Grid Stabilization Work
- Field Drainage System
- 6" Multi-Layer Aggregate Dynamic Base
- Laser Grading
- Concrete Curbing Work

Oklahoma State University Softball Indoor Facility

Owner: Oklahoma State University

Construction Manager: United Turf and Track

Contact: Jeff Salmond – 405-761-8757

Architect/Engineer:

Location: Stillwater, OK

Scope of Work:

- Synthetic Turf Surfacing
- AstroTurf PGPN with 5mm pad system

University of Arkansas, Baum Stadium Baseball Performance Center

Owner: University of Arkansas

Construction Manager: Kinco Constructors

Contact: Tyson Reimer – 479-263-6465

Architect/Engineer: WER – John Langham – 479-966-4477

Location: Fayetteville, AR

Scope of Work:

- Synthetic Turf Surfacing
- AstroTurf PGPN with 5mm pad system

City of Norman, OK Griffin Soccer Park Complex

Owner: City of Norman

Construction Manager: United Turf and Track

Contact: Jerrod Simmons – 405-747-0993

Architect/Engineer: PDG – Geoff Evans – 918-605-6075

Location: Norman, OK

Scope of Work:

- Natura Grass Surfacing
- 200,000 SF of GPS field surfacing
- Earthwork
- Storm and lateral drainage
- Concrete walls
- Sprigging and sodding
- Irrigation
- Soil modification and organics
- Grow-in

City of Oklahoma City, OK, USA Softball and ASA, Home of NCAA Women's CWS

Owner: City of Oklahoma City, OK

Tenant: USA Softball and American Softball Association

Construction Manager: United Turf and Track

Contact: Jerrod Simmons – 405-747-0993

Owner Oversight: Chuck White – 405-850-5178

General Contractor: Timberlake Construction

Architect: Studio Architecture – Patrick Schoenfeldt – 405-605-1044

Engineer: Lloyd's Engineering – Bob Milano – 925-984-6340

Location: Oklahoma City, OK

Scope of Work:

- Demolish current field
- Natural grass sand-based rootzone construction
- 52,100 SF rootzone
 - Imported 12" blended 85/15 Sand/peat material new rootzone
 - Sodded with Tahoma 31 bermudagrass
- Earthwork
- Geo-Grid Stabilization Work as necessary
- 10,000 SF synthetic turf warning track
- Asphalt base under warning track
- 14,000 SF Stabilizer Pro Red infield mix
- Hilltopper outfield warning track
- Storm and Field Drainage System
- Laser Grading – base, drainage gravel, rootzone
- Irrigation

- Concrete Curbing Work
- Fencing
- Foul poles and sleeves

Tuttle Public School, Football, Baseball infield conversion and Softball field

Owner: Tuttle Public School

Contact: Keith Sinor – 405-381-2605 Ext. 101

Architect: Architects in Partnership

Location: Tuttle, OK

Scope of Work:

<u>-Football - complete</u>	<u>-Baseball infield - complete</u>	<u>-Softball – complete</u>
-Demolition of existing	-Demo existing	-New stadium construction
-New construction	-New construction	-Soil Stabilization
-Soil Stabilization	-Soil Stabilization	-Concrete curbing
-Concrete curbing	-Concrete curbing	-Field Drainage System
-Concrete retaining wall	-Infield Drainage	-37,000 SF Diamond OPS 52
-Field Drainage system	-14,000 SF Diamond OPS 52	-Backstop and fencing
-75,000 SF 3D3 60 oz	-Laser-grading	
-Laser-grading		

Blanchard Football Stadium

Owner: Blanchard Public Schools

General Contractor: CMS Willowbrook – Robert Giordano 405-224-1554

Architect: Richard Stark

Construction Manager: United Turf and Track

Contact: Dillon Ripley

Location: Blanchard, OK

Scope of Work:

- 91,100 SF Synthetic Turf Football Field
- Concrete curbing work
- Soil Stabilization
- Geo-Grid Stabilization Work
- Field Drainage System
- 6" Multi-Layer Aggregate Dynamic Base
- Laser Grading
- AstroTurf 3D3 60 turf system
- First Brock system in Oklahoma
 - Brock YSR pad
 - BrockFILL infill

Blanchard Track and Field

Owner: Blanchard Public Schools
General Contractor: CMS Willowbrook – Robert Giordano 405-224-1554
Architect: Richard Stark
Construction Manager: United Turf and Track
Contact: Dillon Ripley
Location: Blanchard, OK
Scope of Work:

- Earthwork
- Concrete and ACO drainage curbing work
- Soil Stabilization
- Asphalt installation
- Rekortan BVtrack surface
- Tilling and grading infield work

Fields and Futures OKCPS Field Projects – U.S. Grant High School Softball Field

Owner: Oklahoma City Public Schools
Construction Manager: United Turf and Track, partner with Fields and Futures site specific
Contact: Jerrod Simmons – 405-747-0993
Location: Oklahoma City, OK
Scope of Work:

- 47,800 SF Synthetic Turf Softball Field
- AstroTurf Diamond OPS and ERA system
- Earthwork
- Field Drainage System
- 8" Multi-Layer Aggregate Dynamic Base
- Laser Grading
- Concrete Curbing Work

El Dorado, AR High School Football Stadium

Owner: El Dorado Public Schools
Construction Manager: Jeff Salmond
Contact: 405-761-8757
Architect/Engineer: Re-turf
Location: El Dorado, AR
Scope of Work:

- Synthetic Turf Surfacing
- AstroTurf 3D3 52
- Demo old field
- Install new nailer board
- Brock SP17XL pad
- BrockFill infill
- Football and soccer

City of Broken Arrow, OK, Events Park Softball Complex, 5 Fields

Owner: City of Broken Arrow, OK

Construction Manager: United Turf and Track

Contact: Jeff Salmond -- 405-747-7748

General Contractor: Builders Unlimited, Inc. – Anthony Vargas – 918-639-7807

Architect: Selser Schaefer Architects – 918-760-7453

Location: Broken Arrow, OK

Scope of Work:

- New Construction Softball complex
- 79,000 SF Synthetic Turf Softball Fields and Warning Track
- Earthwork
- Geo-Grid Stabilization Work
- Field Drainage System
- 6" Multi-Layer Aggregate Dynamic Base
- Laser Grading
- Concrete Curbing Work
- Natural grass outfield construction and laser-grading
- DuraEdge DuraTrax Warning track installation
- ForEver Lawn landscape synthetic turf

Lubbock Christian University, Soccer and Track

Owner: Lubbock Christian University

Construction Manager: United Turf and Track

Contact: Dillon Ripley -- 405-747-7748

Architect: Design/Build

Location: Lubbock, TX

Scope of Work:

- Demolish full natural grass field
- 102,000 SF Synthetic Turf Softball Field
- Earthwork
- Geo-Grid Stabilization Work
- Field Drainage System
- 6" Multi-Layer Aggregate Dynamic Base
- Laser Grading
- Concrete Curbing Work

City of Fort Smith, AR, Kelley Park, Baseball Infield Turf Conversions

Owner: City of Fort Smith, AR

Construction Manager: United Turf and Track

Contact: Dillon Ripley -- 405-747-7748

Engineer: Bobby Aldridge – Frontier Engineering

Location: Fort Smith, AR

Scope of Work:

- Demolish 4 natural grass/infield mix
- 64,000 SF Synthetic Turf Baseball/Softball Field
- Earthwork
- Geo-Grid Stabilization Work
- Field Drainage System
- 6" Multi-Layer Aggregate Dynamic Base
- Laser Grading
- Concrete Curbing Work

San Diego Symphony at Embarcadero Marina Park South

Owner: City of San Diego

Construction Manager: Wilco Brokers

Contact: Shelton Watson – 254-592-1441

Architect:

Engineer:

Location: San Diego, CA

Scope of Work:

- 84,000 SF synthetic turf installation

Carver Stadium Middle School

Owner: Tulsa Public Schools

Construction Manager: United Turf and Track

Contact: Dillon Ripley -- 405-747-7748

General Contractor: Trigon, Inc – Steven Ryan – 918-252-7162

Location: Tulsa, OK

Scope of Work:

- Demolish natural grass
- 102,000 SF Synthetic Turf Football/Soccer Field
- Earthwork
- Geo-Grid Stabilization Work
- Field Drainage System
- 8" Multi-Layer Aggregate Dynamic Base
- Laser Grading
- Concrete Curbing Work

City of Oklahoma City, OK, Football/Soccer Field Renovation Southeast HS and US Grant HS

Owner: City of Oklahoma City, OK; Oklahoma City Public Schools

Tenant: OKCPS

Construction Manager: United Turf and Track

Contact: Jerrod Simmons – 405-747-0993

Owner Oversight: Todd Dilbeck

Architect: MA+ Architects – Heath Tate – 405-596-2539

Location: Oklahoma City, OK

Scope of Work:

- Demolish current field
- Natural grass native-soil rootzone construction
- 100,000 SF field per field
 - Sodded with TifTuf bermudagrass
- Earthwork
- Storm and Field Drainage System
- Laser Grading – base, and finish grades
- Irrigation
- Goal posts and sleeves

University of Arkansas, Don W. Reynolds Razorback Stadium Turf Conversion

Owner: University of Arkansas

Construction Manager: Kinco Constructors

Contact: Asa Hancock – 479-841-9174

Architect/Engineer: McClelland Consulting Engineers, Inc.

Location: Fayetteville, AR

Scope of Work:

- Demolish existing gravel base under Synthetic Turf Surfacing
- Install new irrigation system
- Imported +/- 10" Sand material for new rootzone
- Tilled Sand
- Laser Grading
- Surface prep for 72,130 SF of Tahoma 31 Bermudagrass

Oklahoma State University, O'Brate Baseball Stadium

Owner: Oklahoma State University

Construction Manager: ONCORE

Contact: Jim Barger – 402-416-7298

Architect/Engineer: Studio Architecture

Engineer: Lloyd's Engineering – Zach Temple – 480-544-4195

Location: Stillwater, OK

Scope of Work:

- Synthetic Turf Surfacing
- Install warning track synthetic turf
- Install 30,000 SF practice infield
- Install bullpen synthetic turf
- Install indoor hitting facility synthetic turf

Jenks High School, Jenks, OK Soccer Complex

Owner: Jenks Public School

Contact: Jeff Beyer – 918-232-1765

Construction Manager: United Turf and Track

Contact: Jeff Salmond – 405-761-8757

Architect: Selser Schaefer Architects – Tyler Sappington – 918-760-7453

Engineer: Wallace Engineering – Jordan Rodich – 918-806-7401

Location: Jenks, OK

Scope of Work:

- 167,000 SF Synthetic Turf Soccer Field
- Earthwork
- Field Drainage System
- 8" Multi-Layer Aggregate Dynamic Base
- Laser Grading
- Concrete Work
- StormGuard Netting System

City of Fayetteville, AR, Kessler Mountain Complex, Baseball/Softball Infield Turf Conversions

Owner: City of Fayetteville, AR

Construction Manager: United Turf and Track

Contact: Dillon Ripley -- 405-747-7748

Owner Oversight: Byron Humphreys – 479-841-5484

Architect: Design/Build

Location: Fayetteville, AR

Scope of Work:

- Demolish 4 natural grass/infield mix
- 64,000 SF Synthetic Turf Baseball/Softball Field
- Earthwork
- Geo-Grid Stabilization Work
- Field Drainage System
- 6" Multi-Layer Aggregate Dynamic Base
- Laser Grading
- Concrete Curbing Work

Lubbock Christian University, Synthetic Softball Field

Owner: Lubbock Christian University

Construction Manager: United Turf and Track

Contact: Dillon Ripley -- 405-747-7748

Architect: Design/Build

Location: Lubbock, TX

Scope of Work:

- Demolish full natural grass field
- 47,000 SF Synthetic Turf Softball Field
- Earthwork
- Geo-Grid Stabilization Work
- Field Drainage System

- 6" Multi-Layer Aggregate Dynamic Base
- Laser Grading
- Concrete Curbing Work

Stillwater High School, Synthetic Softball Infield Turf Conversion

Owner: Stillwater Public Schools

Construction Manager: Oklahoma State University - Long Range Facility Planning

Contact: April Ebey – 405-744-1062

Architect: Stephen Gose, Gose & Associates – 405-743-4907

Location: Stillwater, OK

Scope of Work:

- Demolish natural infield mix
- 16,000 SF Synthetic Turf Softball Field
- Earthwork
- Geo-Grid Stabilization Work
- Field Drainage System
- 6" Multi-Layer Aggregate Dynamic Base
- Laser Grading
- Irrigation
- Concrete Curbing Work

Fields and Futures OKCPS Field Projects (Classen SAS, FD Moon, Mary Golda Ross, others)

Owner: Oklahoma City Public Schools

Construction Manager: United Turf and Track, partner with Fields and Futures site specific

Contact: Jerrod Simmons – 405-747-0993

Architect: MA+ Architecture – Heath Tate – 405-525-8806

Location: Oklahoma City, OK

Scope of Work:

- Demolish athletic field space
- Earthwork
- Excavation for futsal court
- Laser Grading
- Concrete drive, sidewalk, batting cage and curbing work
- Install 4,400 SF of pedestrian synthetic turf

Jacksonville North Pulaski School, New Synthetic Turf and Running Track

Owner: JNPSD

Construction Manager: Baldwin & Shell – Brad Taylor – 501-313-6840

Architect: WIER Architects & Engineers

Location: Jacksonville, AR

Scope of Work:

- 95,200 SF Synthetic Turf Football Field

- Earthwork
- Field Drainage System
- 8" Multi-Layer Aggregate Dynamic Base
- Laser Grading
- 8 Lane Track
- Asphalt Work
- Track Surfacing and Striping
- Concrete Work

City of Stigler, Stigler Sports Complex

Owner: City of Stigler

Contact: Brandon Wall – 580-931-7998

Architect/Engineer: Wall Engineering, Inc.

Location: Stigler, Oklahoma

Scope of Work:

- 2 – Baseball Field Construction, Natural Grass Athletic Surfacing
- 2 – Softball Field Construction, Natural Grass Athletic Surfacing
- 360' x 480' Soccer/Stickball Field Construction, Natural Grass Athletic Surfacing
- New Athletic Field Irrigation System
- Imported Sand and Compost Material
- Tilled Sand/Compost/Topsoil
- Laser Grading
- Sprigging

University of Tulsa, Hurricane Soccer and Track Stadium

Owner: University of Tulsa

Construction Manager: United Turf and Track

Contact: Jeff Salmond – 405-761-8757

Owner Oversight: Michael Martin – 918-409-6756

Architect: Design/Build

Location: Tulsa, OK

Scope of Work:

- 110,000 SF Soccer field inside Track
- Stripped existing TifSport natural grass field 3" depth with Combinator
- Install new irrigation heads
- Tilled Sand
- Laser Grading
- Install 110,000 SF of Tahoma 31 Bermudagrass

City of Fayetteville, AR, Gary Hampton Softball Complex, 4 Softball Infield Turf Conversions

Owner: City of Fayetteville, AR

Construction Manager: United Turf and Track

Contact: Dillon Ripley -- 405-747-7748

Owner Oversight: Byron Humphreys – 479-841-5484

Architect: Design/Build

Location: Fayetteville, AR

Scope of Work:

- Demolish natural infield mix
- 64,000 SF Synthetic Turf Softball Field
- Earthwork
- Geo-Grid Stabilization Work
- Field Drainage System
- 6" Multi-Layer Aggregate Dynamic Base
- Laser Grading
- Concrete Curbing Work

Stillwater High School, Synthetic Baseball Infield Turf Conversion

Owner: Stillwater Public Schools

Construction Manager: United Turf and Track

Contact: Dillon Ripley -- 405-747-7748

Oversight: April Ebey – 405-744-1062, Oklahoma State University - Long Range Facility Planning

Architect: Design/Build

Location: Stillwater, OK

Scope of Work:

- Demolish natural infield mix
- 36,750 SF Synthetic Turf Baseball Field
- Earthwork
- Geo-Grid Stabilization Work
- Field Drainage System
- 6" Multi-Layer Aggregate Dynamic Base
- Laser Grading
- Irrigation
- Concrete Curbing Work

Harrison Public Schools, Synthetic Turf Football Field and Indoor Football Facility

Owner: Harrison, AR Public Schools

Owner Contact:

Location: Harrison, AR

Scope of Work:

- 122,148 SF Synthetic Turf Football Field and Indoor Football Facility
- Demolish existing field
- Laser Grading

Bartlesville Public School, Replacement of Synthetic Turf Football Field

Owner: Bartlesville Independent School District

Owner Contact: Spence Rigdon, AD – 918-327-3447

Architect: Kelher Architects

Location: Bartlesville, OK

Scope of Work:

- Replace 96,600 SF Synthetic Turf Football Field with Shock Attenuation Pad
- Laser Grading

University of the Incarnate Word, Synthetic Baseball & Softball Field

Owner: University of the Incarnate Word

Construction Manager: United Turf and Track

Architect: Design/Build

Location: San Antonio, Texas

Scope of Work:

- 60,000 SF Synthetic Turf Baseball In-Field & Foul Territory
- 48,000 SF Synthetic Turf Softball Field
- Earthwork
- Geo-Grid Stabilization Work
- Field Drainage System
- 6" Multi-Layer Aggregate Dynamic Base
- Laser Grading
- Concrete Curbing Work

Benton Public Schools, New Synthetic Baseball Field

Owner: Benton Public School

Construction Manager: Nabholz Construction Co.

Architect: Lewis Architects/Athletic Surfaces Plus

Location: Benton, Arkansas

Scope of Work:

- 140,000 SF Synthetic Turf Baseball Field
- Field Drainage System
- 8" Multi-Layer Aggregate Dynamic Base
- Laser Grading
- Concrete Curbing Work

Oklahoma Christian School, Natural Grass Football Field Renovation

Owner: OCS

Construction Manager: United Turf and Track

Architect: Design/Build

Owner Contact: Derek Turner – 405-202-6778

Location: Edmond, OK

Scope of Work:

- Earthwork
- Field Crown Lowering
- Concrete Retaining Walls Along Sidelines

- French Drain System
- 4' Black Vinyl Chain-Link Fencing
- New Athletic Field Irrigation System
- Regrade Field on a 1.5% slope from the crown to sideline
- Imported Sand and Compost Material
- Tilled Sand/Compost/Topsoil
- Laser Grading
- Astro Bermuda Athletic Surface

Elkins Public School, New Synthetic Turf Football Field

Owner: Elkins Independent School District

Construction Manager: Milestone Construction, Mike Davis – 479-751-3560

Architect: Hight Jackson & Associates

Location: Elkins, AR

Scope of Work:

- 96,600 SF Synthetic Turf Football Field
- Field Drainage System
- 6" Multi-Layer Aggregate Dynamic Base
- Laser Grading

Forrest City Public School, Synthetic Turf Football Field

Owner: Forrest City Independent School District

Construction Manager: Athletic Surfaces Plus, Tim Cowan – 901-494-4440

Architect: Frontier Engineering/Athletic Surfaces Plus

Location: Forrest City, AR

Scope of Work:

- 85,000 SF Synthetic Turf Football Field
- Field Drainage System
- 6" Multi-Layer Aggregate Dynamic Base
- Laser Grading

Hilldale Public School, Synthetic Turf Football Field

Owner: Hilldale Public School

Contact: Erik Puckett, Superintendent of Schools

Architect: Boynton, Williams & Associates

Location: Muskogee, OK

Scope of Work:

- 101,100 SF Conversion of Natural Grass Field to Synthetic Turf
- Site Demolition
- Earthwork
- Soil-Stabilization
- Site Storm Water Drainage System & Structures
- Field Drainage System

- 6" Multi-Layer Aggregate Dynamic Base
- Laser Grading
- Track & Field Concrete Runways & Curbing

Jenks Middle School, New Synthetic Turf and Running Track

Owner: Jenks Public School

Construction Manager: LD Kerns – Pete Edwards – 918-299-9797

Architect: GH2

Location: Jenks, OK

Scope of Work:

- 88,200 SF Synthetic Turf Football Field
- Earthwork
- Field Drainage System
- 8" Multi-Layer Aggregate Dynamic Base
- Laser Grading
- 8 Lane Track
- Asphalt Work
- Track Surfacing and Striping
- Concrete Work

Community Christian School, New Football Stadium

Owner: Community Christian School

Contact: Mat McIntosh – 405-517-8335

Architect: MA+ Architecture

Location: Norman, OK

Scope of Work:

- 87,120 SF Conversion of Natural Grass Field to Synthetic Turf
- Site Demolition
- Earthwork
- Soil-Stabilization
- Site Storm Water Drainage System
- Field Drainage System
- 6" Multi-Layer Aggregate Dynamic Base
- Laser Grading
- Perimeter Concrete Curbing & Sidewalks
- Fencing
- Ephesus LED Sports Lighting
- Electrical Work
- Bleacher & Press Box System

Piedmont Public School, Track, Field & Indoor Facility

Owner: Piedmont Public School

Contact: Blake Crawford – 580-320-2690

Architect: The Stacy Group

Location: Piedmont, OK

Scope of Work:

- 88,200 SF Conversion of Natural Grass Field to Synthetic Turf
- 6,200 SF of Indoor Hitting Facility Synthetic Turf
- Earthwork
- Field Drainage System
- 8" Multi-Layer Aggregate Dynamic Base
- Laser Grading
- 8 Lane Track
- Asphalt Work
- Track Surfacing and Striping

Harrah Public Schools, Evans Football Field Renovation

Owner: Harrah Public School

Architect: Renaissance Architects

Location: Harrah, OK

Scope of Work:

- 78,200 SF Synthetic Turf Football Field
- Laser Grading of Sub-Grade
- Field Drainage System
- 6" Multi-Layer Aggregate Dynamic Base

Tuttle Public School, New Synthetic Running Track

Owner: Tuttle Public School

Contact: Bobby Waitman – 405-381-2605 Ext. 101

Architect: Architects in Partnership

Location: Tuttle, OK

Scope of Work:

- 8 Lane Track
- Soil Stabilization
- Asphalt Work
- Concrete Curbing
- Concrete Field Event Runways and Pads
- Track Surfacing and Striping

City of Norman, Griffin Park Soccer Field Renovation

Owner: City of Norman

Contact: Matt Hendren – 405-203-7284

Construction Manager: United Turf and Track

Architect: Design/Build

Location: Norman, OK

Scope of Work:

- Soccer Fields #11 and #12 Renovation
- Earthwork
- Field Crown Removal
- Regrade on a 1.2% single slope
- Imported Sand and Compost Material
- Tilled Sand/Compost/Topsoil
- Laser Grading
- Sprigging

Nienhuis Park Turf Conversion

Owner: City of Broken Arrow

Contact: Timothy Robins – 918-259-7000 Ext. 7631

Location: Broken Arrow, OK

Scope of Work:

- 156,000 SF Conversion of Two Natural Grass Fields to Synthetic Turf
- Site Demolition
- Earthwork
- Soil-Stabilization
- Site Storm Water Drainage System
- Field Drainage System
- 8" Multi-Layer Aggregate Dynamic Base
- Laser Grading
- Concrete Curbing
- Fencing

City of Choctaw, Bouse Sports Complex

Owner: City of Choctaw

Construction Manager: United Turf and Track

Architect: Design/Build

Location: Choctaw, OK

Scope of Work:

- Eight Field Sports Complex
- Synthetic Turf Infields/Natural Grass Outfields
- Laser Grading
- Concession Stand/Restroom Buildings
- Bleacher Systems
- Shade Canopies
- Irrigation Systems
- Concrete Concourse & Sidewalks
- Fencing
- Scoreboards

- Parking Lots
- Qualite Metal Halide Sports Lighting

Southern Nazarene University Football Field

Owner: SNU

Contact: Bobby Martin – 405-627-9552

Construction Manager: United Turf and Track

Architect: Design/Build

Location: Bethany, OK

Scope of Work:

- 85,000 sq ft Natural Grass to Synthetic Turf Conversion
- Earthwork
- Soil Stabilization
- Field Drainage System
- Finish Stone
- Laser Grading
- Concrete Sidewalks

City of Midwest City, Regional Park OKC Thunder Basketball Courts

Owner: City of Midwest City

Contact: Vaughn Sullivan – 405-550-1864

Engineer of Record: WPM Design Group, Inc.

Location: Midwest City, OK

Scope of Work:

- Two Basketball Courts
- Earthwork
- Post-Tension Concrete Slabs
- Plexipave Sports Surfacing
- Fencing
- Sports Lighting and Electrical Work

USA Softball, Hall of Fame Stadium

Owner: USA Softball

Contact: Chuck White – 405-850-5178

Location: Oklahoma City, OK

Scope of Work:

- Annual Laser Grading
- Aerification & Top Dressing
- Hitting Tunnel Construction

City of Clinton, Acme Park Sports Lighting Addition

Owner: City of Clinton

Location: Clinton, OK

Scope of Work:

- 4 Pole Musco Lighting System, Green Light Structure System

Atoka Sports Facility

Owner: Atoka Public School

Contact: Jay McAdams – 580-775-0768

Architect: Boynton, Williams, & Associates

Location: Atoka, OK

Scope of Work:

- Site Demolition
- Earthwork
- Laser Grading
- Parking Lot Sub-Grade Preparation

Cherokee Sports Complex

Owner: Cherokee Public School

Contact: Donna Anderson – 580-596-3391

Architect: Tri-Arch

Location: Cherokee, OK

Scope of Work:

- Site Demolition
- Earthwork
- Laser Grading
- Site Drainage
- Sports Lighting and Electrical Work
- Parking Lot Grading Preparation
- Track Timing System
- 8 Lane Track Sub-Grade Preparation

Oakdale Sports Lighting

Owner: Oakdale Public School

Architect: LWPB Architecture

Location: Oklahoma City, OK

Scope of Work:

- Football, Track & Tennis Court Sports Lighting
- Ephesus LED Sports Lighting System

Oklahoma Christian University, Tom Heath Field at Lawson Softball Complex

Owner: Oklahoma Christian University

Contact: Tom Heath – 405-203-1776

Architect: Glover Smith Bode, Inc., Ryan Eshelman – 405-848-9549

Location: Oklahoma City, OK

Scope of Work:

- Site Demolition
- Collegiate Softball Field with Synthetic Turf playing surface
- Indoor Training Facility
- Locker Rooms
- Home & Visitor Dugouts
- Offices
- Concession Stand
- Bleacher System
- Press Box
- Bleacher Shade Canopy Structure
- Parking Lots
- Sports Lighting



City of
CHICKASHA

Meeting Type: 1/3/2022 6:30 PM, City Council Meeting

Meeting Date: 1/3/2022

Department: City Clerk

Agenda Item No. 6.f.

AGENDA ITEM: Discussion, consideration and possible action on a tort claim filed by Dolores Campbell.

I. BACKGROUND/DESCRIPTION:

- OMAG has investigated the claim and finds no liability on the City regarding this incident.
- OMAG has denied coverage and forwarded back to the City for disposition. Typically the City would deny the claim based on OMAG's investigations and findings of no liability.

II. RECOMMENDED ACTION:

Deny tort claim based on OMAG findings.

III. FISCAL INFORMATION -

IV. FUND INFORMATION:

Dept. Director:	Fund	Account	Amount
	(To)		
	FUND	ACCOUNT	AMOUNT
Meeting Date: January 3, 2022	(From)		

V. ATTACHMENTS:

1. Notice of Tort Claim
2. OMAG Denial Letter to Ms. Campbell
3. OMAG Correspondence to City Clerk

NOTICE OF TORT CLAIM

OKLAHOMA MUNICIPAL ASSURANCE GROUP - MUNICIPAL LIABILITY PROTECTION PLAN

A. CLAIMANT REPORT

To the City of Chickasha
Public entity you are filing this claim against.

PLEASE PRINT OR TYPE AND SIGN

IMPORTANCE NOTICE: The filing of this form with the City Clerk's office is only the initial step in the claim process and does not indicate in any manner the acceptance of responsibility by the City or its related entities. Written notice is required by law and shall be filed with the City Clerk within one (1) year from the date of occurrence. It will then be sent to OMAG Claims Dept. for investigation. You may expect them to contact you. Failure to file within such time frame may result in the claim being barred in its entirety. Other limitations to your claim may apply (See Oklahoma Statutes Title 51, Section 151-172).

CLAIMANT(S) Dolores Campbell CLAIMANT(S) SOCIAL SECURITY NO. [REDACTED]
ADDRESS 3423 Vine Street CLAIMANT(S) DATE OF BIRTH [REDACTED]
PHONE: HOME(405) [REDACTED] BUS.(405) [REDACTED]

- DATE AND TIME OF INCIDENT August 2021)a.m. ()p.m. Continue on another sheet if needed for any information requested
- LOCATION OF INCIDENT 3423 Vine
- DESCRIBE INCIDENT a large hill of asphalt has formed in front of the concrete driveway. The car bumper hit it and broke bumper the bumper is damaged if the asphalt hill or bump is not repaired, it will crack the driveway.
- LIST ALL PERSONS AND/OR PROPERTY FOR WHICH YOU ARE CLAIMING DAMAGES:

BODILY INJURY: WAS CLAIMANT INJURED? YES ☐ NO ☒ If yes, complete this section
Describe injury NA
WERE YOU ON THE JOB AT THE TIME OF INJURY? YES ☐ NO ☒ If so, please give name, address and phone number of company
NAME OF DOCTOR OR HOSPITAL NA
ALL MEDICAL BILLS (attach Copies) \$ NA
LIST OTHER DAMAGES CLAIMED \$ NA
TOTAL BODILY INJURY.....\$ NA

PROPERTY DAMAGE: Proof that you are the owner of the vehicle or property allegedly damaged as specified in your claim will be required.
VEHICLE NAME Cadillac BODY TYPE CTS YEAR 2015
NOTE: If damage is to a vehicle, a photocopy of your motor vehicle title is required.
IF NOT A VEHICLE, DESCRIBE PROPERTY AND LOSS NA
PROPERTY DAMAGE (Attach repair bills or two estimates) \$ 1,787.30
LIST OTHER DAMAGES CLAIMED See estimates attached \$ NA
TOTAL PROPERTY.....\$ 1,787.30

5. NAME OF YOUR INSURANCE CO. NA POLICY NO. NA AMOUNT CLAIMED NA AMOUNT RECEIVED NA

6. The names of any witnesses known to you.

<u>Tasha Province</u>		<u>3423 Vine St. - Chickasha 405 - [REDACTED]</u>
Name	<u>Linzey Campbell</u>	Address <u>3423 Vine St - Chickasha</u> Phone Number <u>405 - [REDACTED]</u>
Name		Address Phone Number

STATE THE EXACT AMOUNT OF COMPENSATION YOU WOULD ACCEPT AS FULL SETTLEMENT ON THIS CLAIM.

TOTAL CLAIM.....\$ 1,787.30

Dolores Campbell Aug 6, 2021
SIGNATURE(S) DATE

B. THIS SECTION IS FOR USE BY THE PUBLIC ENTITY WHICH RECEIVES THE CLAIM

To Inquire about this claim you may write to OMAG Claims Dept. or call 1-800-234-9461; or in the Oklahoma City metro area call 657-1400

This Notice of Tort Claim was received by Susan McLomel
(Title) City Clerk, on October 12, 20 21
For further information on this claim contact David Buchanan
(Title) Public Work Director, by telephone at (405) 222-6080

The following reports, statements or other documentation, which support our understanding of the facts relating to this claim, are attached:

Persons who have knowledge of the circumstances surrounding this claim are:

Name

Title/Position

Telephone

1.			
2.			
3.			
4.			

Submitted by: Susan McLomel Date 10/12, 20 21
Title: City Clerk

AFTER THE PUBLIC ENTITY HAS RECEIVED THIS CLAIM, PLEASE PROVIDE INFORMATION REQUESTED ABOVE AND IMMEDIATELY SEND TO:

OMAG Claims Dept.
3650 S. Boulevard
Edmond, OK 73013
Fax (405) 657-1401



Parham Body Shop
 618 W. Chickasha Ave.
 Chickasha, OK 73018
 Business Phone: (405) 224-7837
 parhambodysshop@sbcglobal.net

Estimate

Est # 177
 ID # 11148007

Vehicle Info

2015 Cadillac -ATS
 1G6AA5RX6F0100825
 Body Type: 4 Door Sedan
 Engine: 2.0L 4 Cyl Gas Injected
 Turbocharged
 Transmission: 6 Speed Auto Trans
 Drive Type: RWD

Owner

cambell delores
 (405) 224-1058

Insurance Company

Inspection Date: 09/27/2021

	Oper	Description	Part Number	Price	Labor
FRONT BUMPER					
1	Replace	FRT BUMPER COVER	23213292	\$651.80	3.4 hrs. Body 2.5 hrs. Paint panel 1.0 hrs. Refinish
		1 hrs. Clearcoat			
2	Replace	FRT BUMPER MOULDING COVER	22879656	\$267.15	0.3 hrs. Body
3	Replace	FRT CTR BUMPER COVER GRILLE	22879645	\$131.57	
4	Replace	FRT UPR BUMPER COVER SUPPORT	22879651	\$89.18	0.2 hrs. Body

Totals

Type	Labor Time	Cost	Total	Taxable
Body Labor	3.9	\$52.00	\$202.80	
Paint Labor	3.5	\$52.00	\$182.00	
Paint Supplies	3.5	\$42.00	\$147.00	✓
OEM Parts			\$1,139.70	✓
Taxable Amount			\$1,286.70	
Tax	9%		\$115.80	
Nontaxable Amount			\$384.80	
Grand Total			\$1,787.30	



Teague Body Shop, Inc.

Taking the "dents" out of accidents since 1974.
Email us: Office@teaguebodyshop.com, Address:
1305 East Choctaw Avenue, Chickasha, OK 73018
Phone: (405) 222-0336
FAX: (405) 222-0345

Workfile ID: 5f726ee3
PartsShare: 6rSy7d
Federal ID: 73-1439972

Preliminary Estimate

Customer: CAMPBELL, DOLORES

Job Number:

Written By: Bobby Roehrick

Insured:
Type of Loss:
Point of Impact: 12 Front

Policy #:
Date of Loss:

Claim #:
Days to Repair: 0

Owner:
CAMPBELL, DOLORES
(405) 224-1058 Cell

Inspection Location:
Teague Body Shop, Inc.
Email us: Office@teaguebodyshop.com
Address: 1305 East Choctaw Avenue
Chickasha, OK 73018
Repair Facility
(405) 222-0336 Day

Insurance Company:
CITY OF CHICKASHA

VEHICLE

2015 CADI ATS Sedan Standard RWD 4D SED 4-2.0L Turbocharged Gasoline Direct Injection BLACK

VIN: 1G6AA5RX6F0100825	Interior Color:	Mileage In: 71,017	Vehicle Out:
License: LND665	Exterior Color: BLACK	Mileage Out:	
State: OK	Production Date: 6/2014	Condition:	Job #:

TRANSMISSION

Automatic Transmission

POWER

Power Steering
Power Brakes
Power Windows
Power Locks
Power Mirrors
Heated Mirrors
Power Driver Seat
Power Passenger Seat

DECOR

Dual Mirrors
Tinted Glass

Console/Storage

Overhead Console

CONVENIENCE

Air Conditioning
Intermittent Wipers
Tilt Wheel
Cruise Control
Rear Defogger
Keyless Entry
Alarm
Message Center
Steering Wheel Touch Controls
Telescopic Wheel
Climate Control

RADIO

AM Radio
FM Radio
Stereo
Search/Seek
Auxiliary Audio Connection
Premium Radio
Satellite Radio

SAFETY

Drivers Side Air Bag
Passenger Air Bag
Anti-Lock Brakes (4)
4 Wheel Disc Brakes
Front Side Impact Air Bags

Head/Curtain Air Bags
Communications System
Hands Free Device

SEATS

Bucket Seats
Leather Seats

WHEELS

Aluminum/Alloy Wheels

PAINT

Clear Coat Paint

OTHER

Traction Control
Stability Control
Power Trunk/Liftgate

Preliminary Estimate

Customer: CAMPBELL, DOLORES

Job Number:

2015 CADI ATS Sedan Standard RWD 4D SED 4-2.0L Turbocharged Gasoline Direct Injection BLACK

Line	Oper	Description	Part Number	Qty	Extended Price \$	Labor	Paint
1		FRONT BUMPER & GRILLE					
2		O/H front bumper				3.9	
3		Repl Molding	22879656	1	267.15	Incl.	
4	<>	Repl Bumper cover w/o park sensr	23213292	1	651.80	Incl.	2.8
5		Add for Clear Coat					1.1
6		Repl Lower grille	22879645	1	131.57	Incl.	
7		Repl Lower support	22879651	1	89.18	Incl.	
8		COOLING					
9		Repl Lower baffle w/o extra capacity	23124767	1	94.53	0.2	
10		FRONT SUSPENSION					
11		Repl Lower shield	23334082	1	78.65	0.4	
12	#	clean for covid -19 & or delta variant		1	25.00	1.0	
13	#						
14	#	OPEN ITEMS :		1			
15	#						
16	#	Possible hidden damage pending		1			
17	#	disassemble results.		1			
SUBTOTALS					1,337.88	5.5	3.9

ESTIMATE TOTALS

Category	Basis	Rate	Cost \$
Parts			1,337.88
Body Labor	5.5 hrs @	\$ 54.00 /hr	297.00
Paint Labor	3.9 hrs @	\$ 54.00 /hr	210.60
Paint Supplies	3.9 hrs @	\$ 45.00 /hr	175.50
Body Supplies	0.6 hrs @	\$ 4.00 /hr	2.40
Subtotal			2,023.38
Sales Tax	\$ 1,515.78 @	9.0000 %	136.42
Grand Total			2,159.80
CUSTOMER PAY			0.00
INSURANCE PAY			2,159.80

MyPriceLink Estimate ID / Quote ID:

871821939994271744 / 93403216

Preliminary Estimate

Customer: CAMPBELL, DOLORES

Job Number:

2015 CADI ATS Sedan Standard RWD 4D SED 4-2.0L Turbocharged Gasoline Direct Injection BLACK

NOT RESPONSIBLE FOR ANY DAMAGES DUE TO FIRE, THEFT OR MECHANICAL FAILURE. REPAIRS WILL BE MADE FOR YOU AS OWNER, IF YOU DO NOT INTEND TO PAY WITH YOUR OWN FUNDS, MAKE CERTAIN THE INSURANCE COMPANY CAN DELIVER THEIR CHECK TO YOU IN TIME TO PICK UP YOUR VEHICLE. . . . ALL REPAIRS MUST BE PAID IN FULL BEFORE THE VEHICLE WILL BE RELEASED. IF A LEINHOLDER IS NAMED ON THE INSURANCE CHECK, THEIR ENDORSEMENT MUST BE OBTAINED. I HEREBY APPOINT TEAGUE BODY SHOP, INC. MY (OR OUR) TRUE AND LAWFUL ATTORNEY TO SIGN NAME, PLACE AND STEAD OF THE UNDERSIGNED ON ANY INSURANCE CHECKS OR DRAFTS TO COVER REPAIRS OF SAID VEHICLE

*****PLEASE*****REMOVE ALL VALUABLE FROM VEHICLE *****INCLUDES: PURSES, BILLFORDS, CHECK BOOKS, LOOSE CHANGE, MONEY, GUNS, CLOTHES, UNINSTALLED AND UNSECURED STEREO EQUIPMENT, KEYS NOT NEEDED WITH THE VEHICLE, GARAGE DOOR OPENERS, AND ANYTHING OF VALUE TO YOU THE CUSTOMER. THANK YOU

AUTHORIZATION _____

WARNING: ANY PERSON WHO KNOWINGLY, AND WITH INTENT TO INJURE, DEFRAUD OR DECEIVE ANY INSURER, MAKES ANY CLAIM FOR THE PROCEEDS OF AN INSURANCE POLICY CONTAINING ANY FALSE, INCOMPLETE OR MISLANEADING INFORMATION IS GUILTY OF A FELONY.

PARTS AND LABOR PRICES SUBJECT TO CHANGE WITHOUT NOTICE. NOT RESPONSIBLE FOR LOST OR STOLEN ARTICLES.

WARNING : ANY PERSON WHO KNOWINGLY, AND WITH INTENT TO INJURE, DEFRAUD OR DECEIVE ANY INSURER, MAKES ANY CLAIM FOR THE PROCEEDS OF AN INSURANCE POLICY CONTAINING ANY FALSE, INCOMPLETE OR MISLEADING INFORMATION IS GUILTY OF A FELONY.

Preliminary Estimate

Customer: CAMPBELL, DOLORES

Job Number:

2015 CADI ATS Sedan Standard RWD 4D SED 4-2.0L Turbocharged Gasoline Direct Injection BLACK

Estimate based on MOTOR CRASH ESTIMATING GUIDE and potentially other third party sources of data. Unless otherwise noted, (a) all items are derived from the Guide DR1BD13, CCC Data Date 09/16/2021, and potentially other third party sources of data; and (b) the parts presented are OEM-parts. OEM parts are manufactured by or for the vehicle's Original Equipment Manufacturer (OEM) according to OEM's specifications for U.S. distribution. OEM parts are available at OE/Vehicle dealerships or the specified supplier. OPT OEM (Optional OEM) or ALT OEM (Alternative OEM) parts are OEM parts that may be provided by or through alternate sources other than the OEM vehicle dealerships with discounted pricing. Asterisk (*) or Double Asterisk (**) indicates that the parts and/or labor data provided by third party sources of data may have been modified or may have come from an alternate data source. Tilde sign (~) items indicate MOTOR Not-Included Labor operations. The symbol (<>) indicates the refinish operation WILL NOT be performed as a separate procedure from the other panels in the estimate. Non-Original Equipment Manufacturer aftermarket parts are described as Non OEM, A/M or NAGS. Used parts are described as LKQ, RCY, or USED. Reconditioned parts are described as Recond. Recored parts are described as Recore. NAGS Part Numbers and Benchmark Prices are provided by National Auto Glass Specifications. Labor operation times listed on the line with the NAGS information are MOTOR suggested labor operation times. NAGS labor operation times are not included. Pound sign (#) items indicate manual entries.

Some 2022 vehicles contain minor changes from the previous year. For those vehicles, prior to receiving updated data from the vehicle manufacturer, labor and parts data from the previous year may be used. The CCC ONE estimator has a list of applicable vehicles. Parts numbers and prices should be confirmed with the local dealership.

The following is a list of additional abbreviations or symbols that may be used to describe work to be done or parts to be repaired or replaced:

SYMBOLS FOLLOWING PART PRICE:

m=MOTOR Mechanical component. s=MOTOR Structural component. T=Miscellaneous Taxed charge category. X=Miscellaneous Non-Taxed charge category.

SYMBOLS FOLLOWING LABOR:

D=Diagnostic labor category. E=Electrical labor category. F=Frame labor category. G=Glass labor category. M=Mechanical labor category. S=Structural labor category. (numbers) 1 through 4=User Defined Labor Categories.

OTHER SYMBOLS AND ABBREVIATIONS:

Adj.=Adjacent. Algn.=Align. ALU=Aluminum. A/M=Aftermarket part. Blnd=Blend. BOR=Boron steel. CAPA=Certified Automotive Parts Association. D&R=Disconnect and Reconnect. HSS=High Strength Steel. HYD=Hydroformed Steel. Incl.=Included. LKQ=Like Kind and Quality. LT=Left. MAG=Magnesium. Non-Adj.=Non Adjacent. NSF=NSF International Certified Part. O/H=Overhaul. Qty=Quantity. Refn=Refinish. Repl=Replace. R&I=Remove and Install. R&R=Remove and Replace. Rpr=Repair. RT=Right. SAS=Sandwiched Steel. Sect=Section. Subl=Sublet. UHS=Ultra High Strength Steel. N=Note(s) associated with the estimate line.

CCC ONE Estimating - A product of CCC Intelligent Services Inc.

The following is a list of abbreviations that may be used in CCC ONE Estimating that are not part of the MOTOR CRASH ESTIMATING GUIDE:

BAR=Bureau of Automotive Repair. EPA=Environmental Protection Agency. NHTSA= National Highway Transportation and Safety Administration. PDR=Paintless Dent Repair. VIN=Vehicle Identification Number.



3650 S. Boulevard • Edmond, OK 73013 • omag.org
405.657.1400 • 800.234.9461 • FAX 405.657.1401

November 30, 2021

Ms. Dolores Campbell
3423 Vine Street
Chickasha, Oklahoma 73018

RE: Member : City of Chickasha
Claimant : Dolores Campbell
Date of Loss : August 6, 2021
Claim No. : 210422-1-HW

Dear Ms. Campbell:

As the adjuster for the Oklahoma Municipal Assurance Group, the insurer for the City of Chickasha, I am recommending denial of this claim and find no liability on the City of Chickasha's part for this claim.

A municipality may be liable only if it had prior notice of a defect or problem and failed to take appropriate remedial action within a reasonable time before the damage occurred.

The City of Chickasha had no notice of this issue prior to your incident. Based on this information we are recommending denial of this claim to the City of Chickasha.

Sincerely,

A handwritten signature in black ink, appearing to read "Hailey Whitmarsh", is written over a horizontal line.

Hailey Whitmarsh,
Claims Adjuster

cc: City of Chickasha



November 30, 2021

City of Chickasha
Attn: Susan McDaniel
117 N. 4th Street
Chickasha, Oklahoma 73018-2601

RE: Member : City of Chickasha
Claimant : Dolores Campbell
Date of Loss : August 6, 2021
Claim No. : 210422-1-HW

Dear Ms. McDaniel:

We have completed our investigation regarding the above referenced claim. It is our recommendation to the City of Chickasha that this claim be denied. We find no liability on the City of Chickasha's part regarding this incident.

Under the Governmental Tort Claims Act, 51 Okla. Sec. 157(A), this claim will be deemed denied ninety (90) days after it was received by the City of Chickasha. 51 Okla. Stat. Sec. 157 (B) requires any lawsuit under the Act to be commenced within one hundred eighty (180) days after denial of the claim.

Thus to begin the 180-day statute of limitations prior to 1/10/2022, you must deny this claim in writing before 1/10/2022. For the 180-day period to start running, the claimant **must be notified at the address on the claim within five (5) days of the denial**. To document compliance with the Act, we recommend that you send notice of denial of this claim by certified mail.

Please advise us as soon as possible of any official action taken by you on denial of this claim.

Sincerely,

Hailey Whitmarsh,
Claims Adjuster



3650 S. Boulevard • Edmond, OK 73013 • omag.org
405.657.1400 • 800.234.9461 • FAX 405.657.1401

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cc: City of Chickasha



November 30, 2021

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Chickasha, Oklahoma 73018-2601

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Please advise us as soon as possible of any official action taken by you on denial of this claim.

Sincerely,

Hailey Whitmarsh,
Claims Adjuster



City of
CHICKASHA

Meeting Type: 1/3/2022 6:30 PM, City Council Meeting

Meeting Date: 1/3/2022

Department: Administration

Agenda Item No. 6.g.

AGENDA ITEM: Discussion, consideration and possible action to approve Ordinance 2022-01 - Amending Chapter 2, Administration, Article VI-Finance, Division 2, Purchase Policy and Procedures to change the small purchase amount to \$1,000.00.

I. BACKGROUND/DESCRIPTION:

- Two sections of the ordinance will be amended to change the small purchase amount to \$1,000.00. Section 2-217 (F) (1) will be amended to decrease the small purchase amount from \$50,000 to \$1,000 and Section 2-222 Small Purchases will be amended to raise the small purchase amount from \$500.00 to \$1000.00 for consistency.

II. RECOMMENDED ACTION:

Approve Ordinance 2022-01 - Amending Section 2-217 (F) (1) to Chapter 2, Administration, Article VI-Finance, Division 2, Purchase Policy and Procedures, to decrease the small purchase amount from \$50,000 to \$1,000 and Section 2-222 to raise the small purchase amount to \$1,000.00 for consistency.

III. FISCAL INFORMATION -

IV. FUND INFORMATION:

Dept. Director:	Fund	Account	Amount
	(To)		
	FUND	ACCOUNT	AMOUNT
Meeting Date: January 3, 2022	(From)		

V. ATTACHMENTS:

1. Ordinance 2022-01 Amending Chpt 2 Article VI Div 2

ORDINANCE NO. 2022 - _____

AN ORDINANCE OF THE MAYOR AND COUNCIL OF THE CITY OF CHICKASHA, GRADY COUNTY, STATE OF OKLAHOMA, AMENDING SECTION 2-217 (F)(1) TO CHAPTER 2, ADMINISTRATION, ARTICLE VI- FINANCE, DIVISION 2, PURCHASING POLICY AND PROCEDURES, TO DECREASE THE SMALL PURCHASE AMOUNT FROM \$50,000 TO \$1,000; AMENDING SECTION 2-222 SMALL PURCHASES AND RAISING THE SMALL PURCHASE AMOUNT FROM \$500 TO \$1,000 FOR CONSISTENCY; PROVIDING FOR SEVERABILITY; AND DECLARING AN EMERGENCY.

BE IT ORDAINED BY THE MAYOR AND COUNCIL OF THE CITY OF CHICKASHA, STATE OF OKLAHOMA:

SECTION I. That Chapter 2, Administration, Article VI- Finance, Division 2- Purchasing Policy and Procedures, Section 2-217 (f)(1) of the Code of Ordinances of the City of Chickasha is hereby amended and shall hereinafter read as follows:

Sec. 2-217 (f)(1)

- (f) The purchase of supplies, materials, equipment, labor or contractual services may be purchased without following the open market procedure set forth in this section for the following purchases.**
- (1) Small purchases. Purchases of supplies, materials, equipment, labor or contractual services whose costs do not exceed \$1,000. Said purchases shall be made by the city manager or his designated purchasing agent without prior city council approval;**

and that the remainder of Chapter 2, Article VI, Division 2, Section 2-217, shall remain unchanged by this Ordinance.

SECTION II. That Chapter 2, Administration, Article VI- Finance, Division 2- Purchasing Policy and Procedures, Section 2-222 of the Code of Ordinances of the City of Chickasha is hereby amended and shall hereinafter read as follows:

- (a) All purchases, including small purchases, shall be made by consecutive preprinted numbered purchase orders, however, purchase orders may be accumulated by one vendor during any 30-day period and a group of purchase orders from a single vendor may be paid by a single check.**
- (b) Small purchases not exceeding \$1,000.00 may be accumulated on a single purchase order. Such purchases shall be submitted for payment**

no later than one month after the close of the month within which the purchase or purchases were made.

SECTION III. Severability. If any section, subsection, sentence, clause, phrase, or portion of this Ordinance is, for any reason, held invalid or unconstitutional by any court of competent jurisdiction, such portion shall be deemed a separate, distinct, and independent provision, and such holding shall not affect the remaining portions of this Ordinance.

SECTION IV. Emergency. It being immediately necessary for the preservation of the public, health, peace and safety of the City of Chickasha and the inhabitants thereof, an emergency is hereby declared to exist by reason whereof this Ordinance shall be in full force and effect immediately from and after its passage, approval as provided by law.

Adopted and approved this _____ day of _____, 2022.

Chris Mosley, Mayor

ATTESTED:

Municipal Clerk

(S E A L)



City of
CHICKASHA

Meeting Type: 1/3/2022 6:30 PM, City Council Meeting

Meeting Date: 1/3/2022

Department: City Clerk

Agenda Item No. 6.h.

AGENDA ITEM: Discussion, consideration, and possible action to pass the Emergency Clause of Ordinance 2022-01.

I. BACKGROUND/DESCRIPTION:

II. RECOMMENDED ACTION:

Approve Emergency Clause of Ordinance 2022-01.

III. FISCAL INFORMATION -

IV. FUND INFORMATION:

Dept. Director: Susan M. McDaniel, City Clerk	Fund	Account	Amount
	(To)		
	FUND	ACCOUNT	AMOUNT
Meeting Date: January 3, 2022	(From)		

V. ATTACHMENTS:

1. Ordinance 2022-01 Amending Chpt 2 Article VI Div 2

ORDINANCE NO. 2022 - _____

AN ORDINANCE OF THE MAYOR AND COUNCIL OF THE CITY OF CHICKASHA, GRADY COUNTY, STATE OF OKLAHOMA, AMENDING SECTION 2-217 (F)(1) TO CHAPTER 2, ADMINISTRATION, ARTICLE VI- FINANCE, DIVISION 2, PURCHASING POLICY AND PROCEDURES, TO DECREASE THE SMALL PURCHASE AMOUNT FROM \$50,000 TO \$1,000; AMENDING SECTION 2-222 SMALL PURCHASES AND RAISING THE SMALL PURCHASE AMOUNT FROM \$500 TO \$1,000 FOR CONSISTENCY; PROVIDING FOR SEVERABILITY; AND DECLARING AN EMERGENCY.

BE IT ORDAINED BY THE MAYOR AND COUNCIL OF THE CITY OF CHICKASHA, STATE OF OKLAHOMA:

SECTION I. That Chapter 2, Administration, Article VI- Finance, Division 2- Purchasing Policy and Procedures, Section 2-217 (f)(1) of the Code of Ordinances of the City of Chickasha is hereby amended and shall hereinafter read as follows:

Sec. 2-217 (f)(1)

- (f) The purchase of supplies, materials, equipment, labor or contractual services may be purchased without following the open market procedure set forth in this section for the following purchases.**
- (1) Small purchases. Purchases of supplies, materials, equipment, labor or contractual services whose costs do not exceed \$1,000. Said purchases shall be made by the city manager or his designated purchasing agent without prior city council approval;**

and that the remainder of Chapter 2, Article VI, Division 2, Section 2-217, shall remain unchanged by this Ordinance.

SECTION II. That Chapter 2, Administration, Article VI- Finance, Division 2- Purchasing Policy and Procedures, Section 2-222 of the Code of Ordinances of the City of Chickasha is hereby amended and shall hereinafter read as follows:

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- (b) Small purchases not exceeding \$1,000.00 may be accumulated on a single purchase order. Such purchases shall be submitted for payment**

no later than one month after the close of the month within which the purchase or purchases were made.

SECTION III. Severability. If any section, subsection, sentence, clause, phrase, or portion of this Ordinance is, for any reason, held invalid or unconstitutional by any court of competent jurisdiction, such portion shall be deemed a separate, distinct, and independent provision, and such holding shall not affect the remaining portions of this Ordinance.

SECTION IV. Emergency. It being immediately necessary for the preservation of the public, health, peace and safety of the City of Chickasha and the inhabitants thereof, an emergency is hereby declared to exist by reason whereof this Ordinance shall be in full force and effect immediately from and after its passage, approval as provided by law.

Adopted and approved this _____ day of _____, 2022.

Chris Mosley, Mayor

ATTESTED:

Municipal Clerk

(S E A L)



City of
CHICKASHA

Meeting Type: 1/3/2022 6:30 PM, City Council Meeting

Meeting Date: 1/3/2022

Department: Finance

Agenda Item No. 6.i.

AGENDA ITEM: Discussion, consideration and possible action to enter into a Contract with Hillary Communications for Broadband Internet and authorize the Mayor to execute the same.

I. BACKGROUND/DESCRIPTION:

Staff has gathered quotes for Broadband Internet for City buildings.

II. RECOMMENDED ACTION:

Approve the Contract with Hillary Communications for Broadband Internet and authorize the Mayor to execute the same.

III. FISCAL INFORMATION - Costs will be allocated to various departments.

IV. FUND INFORMATION:

Dept. Director: Cindy Rogers, Finance Director	Fund	Account	Amount
	(To)		
	FUND	ACCOUNT	AMOUNT
Meeting Date: January 3, 2022	(From)	xx-xxx-5206-007	

V. ATTACHMENTS:

1. Broadband Internet Comparisons
2. 12.15.21 Hillary Fiber Contract Quote
3. 12.08.21 Dobson Communications
4. 12.7.21
ATT_MANAGED_INTERNET_SERVICE_PRICING_SCHEDULE_CONTRACT_ID_2389137

**City of Chickasha
Broadband Internet Comparison
December 2021**

		NRC	MRC	Annual Cost
AT&T Quote - 12/7/2021				
Police Dept.	2001 W. Iowa Ave		282.30	3,387.60
City Hall	117 N. 4th St.		282.30	3,387.60
Airport	2344 Beechcraft Rd.		176.69	2,120.28
Fire Dept.	1700 Harly Day Dr.		176.69	2,120.28
Animal Control	203 Genevieve		176.69	2,120.28
??	1530 W. Country Club		176.69	2,120.28
Sports Complex	900 W. Grand Ave		176.69	2,120.28
Water Plant Facility	500 E. Delaware		176.69	2,120.28
Public Works	502 Genevieve		176.69	2,120.28
			21,617.16	21,617.16

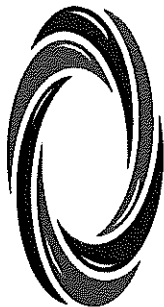
Hillary Quote - 12/15/21

City Hall	117 N. 4th St.	89.95	299.95	3,599.40
Police Dept.	2001 W. Iowa	89.95	299.95	3,599.40
Fire Dept.	1700 W. Harly	89.95	119.95	1,439.40
Public Works	502 Genvieve	89.95	119.95	1,439.40
Sports Complex	900 E. Grand	89.95	119.95	1,439.40
Animal Control	203 Genevieve	89.95	119.95	1,439.40
Water Plant	502 Water Plant Road	89.95	119.95	1,439.40
Airport	23770 Beechcraft	89.95	119.95	1,439.40
		719.60	15,835.20	16,554.80

Pricing Difference **5,062.36**

Note: Dobson not available to quote additional locations outside of City Hall.
Their proposed pricing for City Hall stand alone ranged from \$369/month on 10Mbps to \$813/month on 200 Mbps with a one time installation fee of \$250.

Sudden Link is our current provider. Due to service issues we did not reach out to them.



HILLIARY.
COMMUNICATIONS LLC

Quote #	20211215 COC
Entity	City of Chickasha
Location	Chickasha, OK

PROPOSAL						
Pricing Prepared by		Term	Prepared On	Total NRC	Total MRC	Total Yearly
Benne Brewer		12	12/15/21	\$719.60	\$1,319.60	\$15,835.20
Locations			Summary		Service	
Install Date	Site Name	MRC	NRC	Service to be Delivered		
Now	City Hill - 117 N 4th St.	\$299.95	\$89.95	100MB Up / 100MB Down Internet		
Jan 1-15	Police Department - 2001 W Iowa	\$299.95	\$89.95	100MB Up / 100MB Down Internet		
Feb 1	Fire Department - 1700 W Harly Day	\$119.95	\$89.95	50MB Up / 50MB Down Internet		
Jan 1-15	Public Works - 502 Genviewe	\$119.95	\$89.95	50MB Up / 50MB Down Internet		
Jan 1-15	Sports Complex - 900 E Grand Ave	\$119.95	\$89.95	50MB Up / 50MB Down Internet		
Now	Animal Control - 203 Genevieve	\$119.95	\$89.95	50MB Up / 50MB Down Internet		
Jan 1-15	Water Plant/Facility - 502 Water Plant Road	\$119.95	\$89.95	50MB Up / 50MB Down Internet		
Jan 1-15	Airport - 23770 Beechcraft	\$119.95	\$89.95	50MB Up / 50MB Down Internet		
Order Terms and Conditions						

1. This Confidential Customer Order may not be disclosed to third parties and is non-binding until accepted by both parties and a service agreement is signed by both parties.
2. If a generic demarcation point is provided, the demarcation point for on net services shall be Hilliary Communication Minimum Point of Entry (MPOE) at such location and off-net demarcation points shall be the off-net vendor's MPOE.
3. Early Termination liability is 100% of the remaining term amount, unless otherwise noted.
4. Pricing listed above includes Installation but does not include taxes, fees, surcharges, if applicable.
5. For colocation, data center and/or hosting services, at certain locations pre-arranged escorted access may be required.

If you have any questions please call Benne Brewer @ 580.284.0540 or email me at Benne.Brewer@hillcom.net

Declarations and Signatures

Customer submits this order as a customer order.

Authorized Signature:

Name:

Title:

Date:

Cindy Rogers

From: Bethel, Doug <DBethel@dobson.net>
Sent: Wednesday, December 08, 2021 4:46 PM
To: Cindy Rogers
Cc: Tyler Brooks
Subject: RE: Dobson Fiber Internet Pricing for City of Chickasha

Importance: High

Cindy, and Tyler,

We really do appreciate you all giving us a shot at this but under a 24-hour time crunch it is near impossible for us to evaluate a city build. Also due to distances, it could take well over the 90 business days to reach many of these locations and would require a significant amount of construction costs and time for us to build this without taking more time to evaluate. So we do not feel comfortable with putting forth anything at this moment without a chance to evaluate possible returns in that area or even discussing a full fiber to the home build there that would help residents, businesses, and the city government there, this is similar to what we are doing in Enid, Lawton, Duncan, and have already completed in much of Weatherford, and Waurika.

Once again, I really appreciate the opportunity but at this time it does not make sense given timelines and cost. If you are ever interested in learning more about how we are helping cities we are more than happy to host you all and introduce you to the executive team here in Oklahoma City, and show you are capabilities.

Kind Regards,



Douglas Bethel
Business Sales Consultant II
Office : 405-242-1443
Mobile : 405-757-8708
14101 Wireless Way, STE 300
Oklahoma City, OK 73134
dobson.net
 

From: Cindy Rogers <cindy.rogers@chickasha.org>
Sent: Tuesday, December 7, 2021 3:54 PM
To: Bethel, Doug <DBethel@dobson.net>
Cc: Tyler Brooks <tyler.brooks@chickasha.org>
Subject: RE: Dobson Fiber Internet Pricing for City of Chickasha

Good afternoon Doug;

Below is a listing of the City locations we are trying to provide a fiber based dedicated internet solution. We continue to struggle daily with the poor DSL support we currently have. Please provide us with a pricing schedule along with an implementation timeline by the close of business tomorrow. In addition, will you please send over your latest franchise agreement for review by our City Attorney for service to the City. Time is of the essence as our current service continues to degrade.

Location
2001 W IOWA AV, CHICKASHA, OK 73018 US
117 N 4TH ST, CHICKASHA, OK 73018 US

2344 BEEHCRAFT RD, CHICKASHA, OK 73018 US
1700 HARLY DAY DR, CHICKASHA, OK 73018 US
203 GENEVIEVE, CHICKASHA, OK 73018 US
1530 W COUNTRY CLUB RD, CHICKASHA, OK 73018 US
900 W GRAND AVE, CHICKASHA, OK 73018 US
500 E DELAWARE, CHICKASHA, OK 73018 US
502 GENEVIEVE, CHICKASHA, OK 73018 US

Cindy Rogers, CPA, CGMA



City of Chickasha

City Treasurer/Finance Director

cindy.rogers@chickasha.org

Office: 405.222.6013

From: Tyler Brooks <tyler.brooks@chickasha.org>
Sent: Tuesday, December 07, 2021 1:03 PM
To: Cindy Rogers <cindy.rogers@chickasha.org>
Subject: FW: Dobson Fiber Internet Pricing for City of Chickasha
Importance: High

From: Bethel, Doug <DBethel@dobson.net>
Sent: Friday, December 3, 2021 1:23 PM
To: Tyler Brooks <tyler.brooks@chickasha.org>
Subject: Dobson Fiber Internet Pricing for City of Chickasha
Importance: High

Tyler,

Thank you for taking time out of your day to meet with me, I discussed with my VP and he said he would be able to escalate and get in under 90 days for this build!

Here is the pricing for Dedicated Internet Access that is delivered via fiber optics and is symmetrical bandwidth that is solely provisioned for the city and guaranteed at 99.99% uptime. Here are the 3 year options on services there

10 Mbps - \$369 Monthly
20 Mbps - \$449 Monthly
50 Mbps - \$526 Monthly
100 Mbps \$604 Monthly
200 Mbps \$813 Monthly

One Time Install - \$250

Last, I attached a presentation that highlights our company, solutions, and even some of our client case studies.

Kind Regards,



Douglas Bethel

Business Sales Consultant II

Office : 405-242-1443

Mobile : 405-757-8708

14101 Wireless Way, STE 300
Oklahoma City, OK 73134

dobson.net





Sales Contact Information
STRICKLAND; DUSTIN
918-221-7916
ds905s@att.com

eSign Fax Cover Sheet

Contract Id: 2389137

To: AT&T Automated Fax Handling Service

From:

Fax: 877-374-4632 or 877-eSignFax

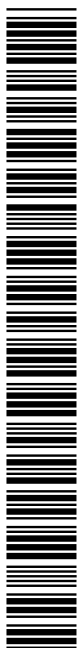
Total Pages: 9
(Excluding Fax Cover Sheet)

Or with Copiers / Scanners w/ email, Send To: esign@att.com

To sign via fax:

1. Sign, Title and Date the document where applicable,
2. Fax back documents in the following order:
 - I. eSign Fax Cover Sheet for Contract Id: 2389137
 - II. All Pages stamped with Contract Id: 2389137
3. If there are additional documents, use the corresponding eSign Fax Cover Sheet(s) as separator(s) and Fax back as in 2.I and 2.II.

(see Picture below)



Request Id: 2485718

Contract Id: 2389137



AT&T MA Reference No. 155834UA
AT&T PS Contract ID MIS14337605

**AT&T DEDICATED INTERNET
PRICING SCHEDULE**

Customer	AT&T
City of Chickasha Street Address: 117 N 4TH ST City: CHICKASHA State/Province: OK Zip Code: 730182601 Country: United States	AT&T Corp.
Customer Contact (for Notices)	AT&T Contact (for Notices)
Name: Chris Mosley Title: Manager Street Address: 117 N 4th St City: CHICKASHA State/Province: OK Zip Code: 730182601 Country: United States Telephone: 4052226020 Email: chris.mosley@chickasha.org	Name: Joanne Swanson Street Address: 509 S DETROIT AVE 1200 City: TULSA State/Province: OK Zip Code: 74120 Country: United States Telephone: 9185926108 Email: js8565@us.att.com Sales/Branch Manager: Valerie McClarty SCVP Name: Valerie McClard Sales Strata: Retail Sales Region: USA <u>With a copy (for Notices) to:</u> AT&T Corp. One AT&T Way Bedminster, NJ 07921-0752 ATTN: Master Agreement Support Team Email: mast@att.com
AT&T Solution Provider or Representative Information (if applicable) ☐	
Name: Company Name: Agent Street Address: City: State: Zip Code: Country: Telephone: Fax: Email: Agent Code:	

This Pricing Schedule is part of the Agreement between AT&T and Customer referenced above.

Customer (by its authorized representative)	AT&T (by its authorized representative)
By:	By:
Name:	Name:
Title:	Title:
Date:	Date:

AT&T and Customer Confidential Information

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ASAP!

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MIS Standard 2014 Rate Plan
ROME ID 1-H8UPGTI

08/30/2021
AT&T Solution No. FMO638369362388

**AT&T DEDICATED INTERNET
PRICING SCHEDULE****1. SERVICES**

Service	Service Publication Location
AT&T Dedicated Internet (ADI)	http://serviceguidenew.att.com/sg_flashPlayerPage/MIS
AT&T Bandwidth Services	http://serviceguidenew.att.com/sg_flashPlayerPage/BWS

2. PRICING SCHEDULE TERM AND EFFECTIVE DATES

Pricing Schedule Term*	24 months
Pricing Schedule Term Start Date	Effective Date of this Pricing Schedule
Effective Date of Rates and Discounts	Effective Date of this Pricing Schedule

*Price Stabilization does not apply to Services or Service Components that have been designated as grandfathered in the applicable Service Publication as of the Pricing Schedule Effective Date (Previously Grandfathered Service/Service Components). AT&T may change prices, discounts, terms or conditions for Previously Grandfathered Service/Service Components on 30 days' prior notice to Customer.

3. MINIMUM PAYMENT PERIOD

Service Components	Percent of Monthly Charges Due Upon Termination Prior to Completion of Minimum Payment Period	Minimum Payment Period per Service Component*
All Service Components	50%	Longer of 12 months or until the end of the Pricing Schedule Term

*The Minimum Payment Period does not apply to Previously Grandfathered Service/Service Components.

4. RATES (US Mainland, and HI only)**Section I: AT&T Dedicated Internet Access Bandwidth****Table 1: DNS Services**

Option	Undiscounted MRC
Additional Primary DNS (available in increments of up to 15 zones with a maximum of 150 Kilobytes of zone file data)	\$100 per DNS increment
Additional Secondary DNS (available in increments of up to 15 zones with a maximum of 150 Kilobytes of zone file data)	\$100 per DNS increment

AT&T and Customer Confidential InformationPage 2 of 9
ASAP!

**AT&T DEDICATED INTERNET
PRICING SCHEDULE****Table 2: ADI Tele – Installation****Discount: 100.00%**

ADI Speed	Undiscounted ADI Installation Fee	Undiscounted ADI w/ Managed Router Installation Fee
56 Kbps	\$1,000	\$1,000
128 Kbps - 1.5 Mbps	\$1,000	\$1,000
NxT-1	\$2,500	\$2,500
Tiered/Full T-3	\$5,000	N/A
Tiered OC-3, OC-12, OC-48	\$10,000	N/A
Ethernet	\$1,500 [#]	\$1,500 ^{**#}
10 Gig Ethernet* and up	\$1,500 [#]	\$1,500

* Service not available with MPLS PNT

**Pricing available for ADI speeds of 100 Mbps and below and with electrical interfaces only.

Pricing also applies to Service locations in Alaska

Table 3: On-Site Installation**Discount: 100.00%**

ADI Speed	Undiscounted ADI w/ Managed Router Only Installation Fee
56 Kbps	\$999
128 Kbps - 1.5 Mbps	\$999
NxT-1	\$999
Tiered/Full T-3	\$1,000
Tiered OC-3, OC-12, OC-48	\$10,000
Ethernet	\$1,500*
10 Gig Ethernet and up	\$1,500
Nx10Gig Ethernet	\$3,500

* Pricing also applies to Service locations in Alaska.

Table 4: Flexible Bandwidth Billing Option – Ethernet*

ADI & ADI w/Managed Router Discount: 86.00% Applies to all Tiered Bandwidth Minimum Commitments in this table unless an override discount is indicated.			Incremental Usage Fee Discount: 86.00% Applies to all Tiered Bandwidth Minimum Commitments in this table unless an override discount is indicated.
Tiered Bandwidth Minimum Commitment	Undiscounted ADI MRC	Undiscounted ADI w/ Managed Router MRC	Undiscounted Incremental Usage Fee
ADI & ADI w/ Managed Router Discount for the following:			Incremental Usage Fee Discount for the following:
0.5 Mbps	\$257	\$385	\$940
1.0 Mbps	\$258	\$386	\$510
1.5 Mbps	\$259	\$387	\$380
2 Mbps	\$260	\$388	\$355

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AT&T Solution No. FMO638369362388

**AT&T DEDICATED INTERNET
PRICING SCHEDULE**

ADI & ADI w/Managed Router Discount: 86.00% Applies to all Tiered Bandwidth Minimum Commitments in this table unless an override discount is indicated.			Incremental Usage Fee Discount: 86.00% Applies to all Tiered Bandwidth Minimum Commitments in this table unless an override discount is indicated.
Tiered Bandwidth Minimum Commitment	Undiscounted ADI MRC	Undiscounted ADI w/ Managed Router MRC	Undiscounted Incremental Usage Fee
ADI & ADI w/ Managed Router Discount for the following:			Incremental Usage Fee Discount for the following:
3 Mbps	\$261	\$389	\$340
4 Mbps	\$262	\$390	\$325
5 Mbps	\$263	\$391	\$270
6 Mbps	\$264	\$392	\$250
7 Mbps	\$265	\$393	\$245
8 Mbps	\$266	\$394	\$235
9 Mbps	\$267	\$395	\$230
ADI & ADI w/ Managed Router Discount for the following:			Incremental Usage Fee Discount for the following:
10 Mbps	\$268	\$396	\$198.00
15 Mbps	\$359	\$487	\$162.33
20 Mbps	\$449	\$577	\$144.25
25 Mbps	\$542	\$670	\$134.00
ADI & ADI w/ Managed Router Discount for the following:			Incremental Usage Fee Discount for the following:
30 Mbps	\$633	\$761	\$126.83
35 Mbps	\$680	\$854	\$122.00
40 Mbps	\$812	\$945	\$118.13
45 Mbps	\$817	\$950	\$105.56
ADI & ADI w/ Managed Router Discount for the following:			Incremental Usage Fee Discount for the following:
50 Mbps	\$813	\$955	\$95.50
60 Mbps	\$946	\$1,100	\$91.67
70 Mbps	\$1,032	\$1,200	\$85.71
75 Mbps	\$1,118	\$1,300	\$86.67
80 Mbps	\$1,204	\$1,420	\$88.75
90 Mbps	\$1,290	\$1,500	\$83.33
ADI & ADI w/ Managed Router Discount for the following:			Incremental Usage Fee Discount for the following:
100 Mbps	\$1,400	\$1,555	\$77.75
120 Mbps	\$1,770	\$1,937	\$80.71
144 Mbps	\$1,790	\$1,960	\$68.06
150 Mbps	\$1,800	\$1,965	\$65.50
155 Mbps	\$1,820	\$2,020	\$65.16
ADI & ADI w/ Managed Router Discount for the following:			Incremental Usage Fee Discount for the following:
200 Mbps	\$2,000	\$2,100	\$52.50
250 Mbps	\$2,150	\$2,240	\$44.80

AT&T and Customer Confidential Information

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AT&T Solution No. FMO638369362388

**AT&T DEDICATED INTERNET
PRICING SCHEDULE**

ADI & ADI w/Managed Router Discount: 86.00% Applies to all Tiered Bandwidth Minimum Commitments in this table unless an override discount is indicated.			Incremental Usage Fee Discount: 86.00% Applies to all Tiered Bandwidth Minimum Commitments in this table unless an override discount is indicated.
Tiered Bandwidth Minimum Commitment	Undiscounted ADI MRC	Undiscounted ADI w/ Managed Router MRC	Undiscounted Incremental Usage Fee
ADI & ADI w/ Managed Router Discount for the following:			Incremental Usage Fee Discount for the following:
300 Mbps	\$2,250	\$2,620	\$43.67
350 Mbps	\$2,500	\$3,125	\$44.64
ADI & ADI w/ Managed Router Discount for the following:			Incremental Usage Fee Discount for the following:
400 Mbps	\$2,700	\$3,380	\$42.25
450 Mbps	\$3,000	\$3,720	\$41.33
500 Mbps	\$3,500	\$4,325	\$43.25
550 Mbps	\$3,650	\$4,425	\$40.23
600 Mbps	\$4,096	\$4,840	\$40.33
622 Mbps	\$4,117	\$5,000	\$40.19
ADI & ADI w/ Managed Router Discount for the following:			Incremental Usage Fee Discount for the following:
700 Mbps	\$4,199	\$5,240	\$37.43
800 Mbps	\$4,301	\$5,440	\$34.00
900 Mbps	\$4,403	\$5,540	\$30.78
1000 Mbps	\$4,505	\$5,620	\$28.10

* Pricing also applies to Service locations in Alaska (Override discounts are not applicable to Service locations in Alaska).

Table 5: Class of Service Option - Tiered T-1, T-3 and Burstable Service - Monthly Charges**Discount: 94.00%**

Speed	Class of Service ADI & ADI w/ Managed Router MRC[#]
56 Kbps**	\$225
128 Kbps**	\$225
256 Kbps**	\$225
384 Kbps**	\$225
512 Kbps**	\$225
768 Kbps	\$225
1024 Kbps***	\$225
1.5 Mbps	\$225
2xT-1 (3 Mbps)	\$225
3xT-1 (4.5 Mbps)	\$225
4xT-1 (6 Mbps)	\$225
5xT-1 (7.5 Mbps)	\$225
6xT-1 (9 Mbps)	\$225
7xT-1 (10.5 Mbps)	\$225
8xT-1 (12 Mbps)	\$225
10 Mbps	\$825

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**AT&T DEDICATED INTERNET
PRICING SCHEDULE**

Speed	Class of Service ADI & ADI w/ Managed Router MRC [#]
15 Mbps	\$1,075
20 Mbps	\$1,325
25 Mbps	\$1,575
30 Mbps	\$1,825
35 Mbps	\$2,100
40 Mbps	\$2,350
45 Mbps	\$2,750
155 Mbps	\$2,750

* Charges waived for Sites with AT&T BVoIP Service.

**no real-time class available.

(†) Speed not available with MPLS PNT.

[#] Pricing also applies to Service locations in Alaska.**Table 6: Class of Service Option - Flexible Bandwidth Billing Option - Monthly Charges****Discount: 94.00%**

Speed	Undiscounted ADI & ADI w Managed Router MRC [#]
Up to 1.5 Mbps	\$225
2.0 Mbps	\$285
2.01 - 3.0 Mbps	\$360
3.01 - 4.0 Mbps	\$435
4.01 - 5.0 Mbps	\$510
5.01 - 6.0 Mbps	\$575
6.01 - 7.0 Mbps	\$640
7.01 - 8.0 Mbps	\$705
8.01 - 9.0 Mbps	\$765
9.01 to 10.0 Mbps	\$825
10.01 to 15.0 Mbps	\$1,075
15.01 - 20.0 Mbps	\$1,325
20.01 - 25.0 Mbps	\$1,575
25.01 - 30.0 Mbps	\$1,825
30.01 - 35.0 Mbps	\$2,100
35.01 - 40.0 Mbps	\$2,350
40.01 - 45 Mbps	\$2,750
45.01 - 155 Mbps	\$5,000
200 - 250 Mbps	\$5,400
300 - 350 Mbps	\$5,800
400 - 600 Mbps	\$6,200
622 Mbps	\$7,000
700 - 1000 Mbps	\$7,800
1.5 Gbps**	\$7,900
2.0 Gbps**	\$8,000
2.5 Gbps**	\$8,100
3.0 Gbps**	\$8,200
3.5 Gbps**	\$8,300

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AT&T Solution No. FMO638369362388

**AT&T DEDICATED INTERNET
PRICING SCHEDULE**

Speed	Undiscounted ADI & ADI w Managed Router MRC **
4.0 Gbps**	\$8,400
4.5 Gbps**	\$8,500
5.0 Gbps**	\$8,600
5.5 Gbps**	\$8,700
6.0 Gbps**	\$8,800
6.5 Gbps**	\$8,900
7.0 Gbps**	\$9,000
7.5 Gbps**	\$9,100
8.0 Gbps**	\$9,200
8.5 Gbps**	\$9,300
9.0 Gbps**	\$9,400
9.5 Gbps**	\$9,500
10.0 Gbps and up**	\$9,600

*Charges waived for Sites with AT&T BVoIP Service.

** Speed not available with MPLS PNT.

Pricing also applies to Service locations in Alaska.

Table 7: Class of Service Option – Aggregate Billing Option - Monthly Charges****Discount: 94.00%**

Speed	Undiscounted ADI & ADI w Managed Router MRC **
T3 (up to 45 Mbps)	\$2,750
OC3 (up to 155 Mbps)	\$5,000
OC12 (up to 622 Mbps)	\$7,000
Ethernet (up to 1000 Mbps)	\$7,800
OC48 (up to 2500 Mbps)	\$8,100
10 Gigabit Ethernet (up to 10000 Mbps) and up	\$9,600

*Charges waived for Sites with AT&T BVoIP Service.

**Not available with MPLS PNT.

Table 8: Class of Service Option - Installation Fees**Discount: 100.00%**

Class of Service Undiscounted Installation Fee**	\$1,000
--	---------

*Charges waived for Sites with AT&T BVoIP Service.

Pricing also applies to Service locations in Alaska.

Table 9: Local Access

Location	Access Bandwidth	Local Access Non-Recurring Charge	Local Access Net Monthly Recurring Charge
2001 W IOWA AV, CHICKASHA, OK 73018 US	MIS Ethernet Access 100 Mbps	\$0.00	\$282.30
117 N 4TH ST, CHICKASHA, OK 73018 US	MIS Ethernet Access 100 Mbps	\$0.00	\$282.30

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AT&T Solution No. FMO638369362388

**AT&T DEDICATED INTERNET
PRICING SCHEDULE**

Location	Access Bandwidth	Local Access Non-Recurring Charge	Local Access Net Monthly Recurring Charge
2344 BEEHCRAFT RD, CHICKASHA, OK 73018 US	MIS Ethernet Access 50 Mbps	\$0.00	\$176.69
1700 HARLY DAY DR, CHICKASHA, OK 73018 US	MIS Ethernet Access 50 Mbps	\$0.00	\$176.69
203 GENEVIEVE, CHICKASHA, OK 73018 US	MIS Ethernet Access 50 Mbps	\$0.00	\$176.69
1530 W COUNTRY CLUB RD, CHICKASHA, OK 73018 US	MIS Ethernet Access 50 Mbps	\$0.00	\$176.69
900 W GRAND AVE, CHICKASHA, OK 73018 US	MIS Ethernet Access 50 Mbps	\$0.00	\$176.69
500 E DELAWARE, CHICKASHA, OK 73018 US	MIS Ethernet Access 50 Mbps	\$0.00	\$176.69
502 GENEVIEVE, CHICKASHA, OK 73018 US	MIS Ethernet Access 50 Mbps	\$0.00	\$176.69

Section II: AT&T Business in a BoxSM**Table 1: Service Component Replacement – Next Business Day Shipped (5x8) Monthly Charges****Discount: 100.00%**

Service Component/Device	Undiscounted MRC*
Base Unit NextGen	\$50
Base Unit 12 Port	\$50
Base Unit 24 Port	\$70
Base Unit High Bandwidth	\$70
8 Port Analog Module Add-On	\$35
24 Port Analog Module Add-On	\$70

* Pricing also applies to Service locations in Alaska.

Table 2: On-Site Maintenance (24X7X4) Monthly Charges**Discount: 100.00%**

Option	Undiscounted MRC*
Base Unit NextGen	\$75
Base Unit 12 Port	\$75
Base Unit 24 Port	\$95
Base Unit High Bandwidth	\$95
8 Port Analog Module Add-On	\$40
24 Port Analog Module Add-On	\$80

* Pricing also applies to Service locations in Alaska.

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**AT&T DEDICATED INTERNET
PRICING SCHEDULE****Table 3: Life-Cycle Management Charges - Service Charges****Discount: 100.00%**

Per Site / Per Occurrence during Standard Business Hours (Monday-Friday, 8:00 am- 5:00 pm, local time)	Undiscounted Charge *
Move, Addition, Change to Service	\$260
Delete Service	\$500

* Pricing also applies to Service locations in Alaska.

Table 4: Class of Service Option - when ordered with AT&T BVoIP Services only**Discount: 100.00%**

Class of Service Monthly Charges	\$225*
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* Pricing also applies to Service locations in Alaska.

Table 5: IP Version Change**Discount: 100.00%**

IP Version Change – Per Site, Per Occurrence	\$500*
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* Pricing also applies to Service locations in Alaska.

Section III: Additional Service Fees

Moving Fee (during hours)	\$1,000 per location*
Additional Moving Fee (outside standard operating hours – 8:00 a.m. to 5:00 p.m. Monday through Friday)	Additional \$500 per location*

*Subject to availability, pricing also applies to Service locations in Alaska.

This is the last page of the Pricing Document.

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