



Office of Community of Development
**NOTICE OF A MEETING FOR
CITY OF CHICKASHA
PLANNING COMMISSION**

In compliance with Title 25, Oklahoma Statutes, Section 301-314, the Oklahoma Open Meeting Act, including the posting of notices and agenda, be advised that the **City of Chickasha Planning Commission** of the City of Chickasha, Oklahoma, meeting on **Tuesday, February 14, 2023, at 4:00 PM.**

Said meeting will be held at City Hall, 2nd Floor City Council Chambers, 117 N. 4th Street, Chickasha, Oklahoma.

The City of Chickasha encourages participation from all its citizens. If special accommodations are needed, please notify the City Clerk at least 48 hours prior to the scheduled meeting. The City may waive the 48-hour rule if the necessary accommodations can be easily made.

AGENDA

1 Call to Order/Roll Call

2 Meeting Items

- a. Discussion, consideration and possible action to approve the minutes from the January 10, 2023 Meeting.
- b. Public hearing to Discuss and Consider the Final Plat for Scissortail Crossing for Applicant EP Leasing.
- c. Discussion, Consideration and Possible action to approve the final plat for Scissortail Crossing for Applicant EP Leasing.

3 Motion to Adjourn.

Rachel Bernish, Community Development Director



City of
CHICKASHA

Meeting Type: Planning Commission 2.14.23

Meeting Date: 2/14/2023

Department: Community Development

Agenda Item No. 2.a.

AGENDA ITEM: Discussion, consideration and possible action to approve the minutes from the January 10, 2023 Meeting.

I. BACKGROUND/DESCRIPTION:

II. RECOMMENDED ACTION:

III. FISCAL INFORMATION -

IV. FUND INFORMATION:

Dept. Director:
NAME, TITLE

Fund	Account	Amount
(To)		
FUND	ACCOUNT	AMOUNT
(From)		

Meeting Date:
February 14, 2023

V. ATTACHMENTS:

1. Minutes for City Planning 1-10-23 (002)

PLANNING COMMISSION MEETING

1/10/23 at: 4:00 pm

1. Call meeting to order: 4:00 pm

Roll Call: Mike Mosley, Tim Smith, John Grote, Glenn Snedeker, James Schoppa, Jeff McClure (alternate), Joe Hutmacher (alternate)

Present: Mike Mosley, Tim Smith, Glenn Snedeker, James Schoppa (missed roll call)

Absent: John Grote

Staff Present: Rachel Bernish Community Development Director, Cristina Fierro Permit Technician, Darren Martin Chief Building Official

Citizens Present: Gary Noland, Greg Elliott

2. Meeting Items

- a. Discussion, consideration, and possible action to approve the minutes of the December 13, 2022, meeting.**

***Motion by: Tim Smith** and second by Glenn Snedeker to approve minutes of Planning Commission meeting.

Roll Call: Mike Mosley, Tim Smith, John Grote, Glenn Snedeker, James Schoppa, Jeff McClure (alternate), Joe Hutmacher (alternate)

Ayes: Mike Mosley, Tim Smith, Glenn Snedeker,

Nays:

Abstain:

- b. Public hearing to discuss and consider the rezoning request for the Final and Preliminary plat of the 12th Street Addition for applicant Elliott Cousins, Oklahoma Limited Partnership.**

Hearing opened: 4:01

Hearing closed: 4:04

- c. Discussion, consideration, and possible action to approve the Final and Preliminary plat for the 12th Street Addition for applicant Elliott Cousins, Oklahoma Limited Partnership**

***Motion by:** Tim Smith **and second by** Glen Snedeker **to approve**

Roll Call: Mike Mosley, Tim Smith, John Grote, Glenn Snedeker, James Schoppa, Jeff McClure (alternate), Joe Hutmacher (alternate)

Ayes: Mike Mosley, Tim Smith, Glenn Snedeker, James Schoppa

Nays:

Abstain:

Motion Carries

3. Motion to Adjourn.

***Motion by:** Tim Smith **and second by** Glenn Snedeker **to approve**

Roll Call: Mike Mosley, Tim Smith, James Schoppa, Glenn Snedeker

Ayes: Mike Mosley, Tim Smith, Glenn Snedeker, James Schoppa

Nays:

Abstain:

Motion Carries



City of
CHICKASHA

Meeting Type: Planning Commission 2.14.23

Meeting Date: 2/14/2023

Department: Community Development

Agenda Item No. 2.b.

AGENDA ITEM: Public hearing to Discuss and Consider the Final Plat for Scissortail Crossing for Applicant EP Leasing.

I. BACKGROUND/DESCRIPTION:

This is a development that will be at the intersection of 29th and Grand (South East Corner).
46 Single Family homes will be developed here
This has been reviewed and recommended for approval by Dan Andrulonis.

II. RECOMMENDED ACTION:

Staff recommends approving

III. FISCAL INFORMATION -

IV. FUND INFORMATION:

Dept. Director:
NAME, TITLE

Fund	Account	Amount
(To)		
FUND	ACCOUNT	AMOUNT
(From)		

Meeting Date:
February 14, 2023

V. ATTACHMENTS:

1. Signed FplT App Scissortail Crossing
2. Scissortail Crossing - Paving & Drainage (01.09.2023)
3. Scissortail Crossing - Water (01.09.2023)
4. Scissortail Crossing FP 01.13.23

CITY OF CHICKASHA
APPLICATION FOR SUBDIVISION PLAT APPROVAL

I (We), hereby make application for approval of the subdivision of land described below and on the accompanying plat under authority of the City of Chickasha's Subdivision Regulations. Supplementary materials are attached hereto and specifically made a part of this application for all purposes. I (We) accept responsibility for any errors or omissions on this form and accompanying supplementary materials even if such errors or omissions should result in the postponement of this plat review by the Planning Commission and/or City Council.

Applicant Name: EP Leasing, LLC c/o Crafton Tull

Address: 300 Pointe Parkway Blvd., Yukon, OK 73099

Phone Number: 405-787-6270

Owner's Name: EP Leasing, LLC., Daniel Remington, Manager

Property Owners Address: PO Box 722217, Norman, OK 73070

Phone Number: 405-317-1362

Engineer/Surveyor: Crafton Tull, Joel Harrison, PE Joel.Harrison@craftontull.com

Address: 300 Pointe Parkway Blvd., Yukon, OK 73099

Phone Number: 405-787-6270

Subdivision Location: Scissortail Crossing Final Plat S 29th Street & Grand Ave.

Total Acreage: 18.54 Total Lots: 46 Total To Be Developed: 46

Describe existing/proposed easements or other restrictions on or effecting the property:

Proposed easement are shown as platted for any extension of sanitary sewer/water
lines to serve the project and any storm sewer drainage facilities for construction/
maintenance.

Describe vacations of plats, easements, etc. needed:

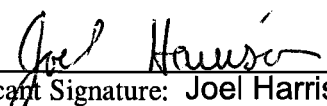
No plat vacation is necessary for the project. No easements will be vacated.

Proposed Land Uses:

Present Zoning: R-1 Single Family

Proposed Zoning: N/A

Proposed Land Use: _____


Applicant Signature: Joel Harrison, PE, Project Manager,
Agent for Owner

7/6/2022
Date:

4 copies of preliminary plat & electronically

*FEE \$675.00(\$537+\$3/lot X 46)

12 - Final Plat, 3 construction plans, 1 drainage report, 2 mylars/bonding (after PC & Council).

OWNER'S CERTIFICATE AND DEDICATION

KNOW ALL MEN BY THESE PRESENTS: That EP Leasing, 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 plotted, 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.

EP Leasing, LLC

Daniel Remington, 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 Daniel Remington, 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 the Northwest Quarter (NW/4) of Section Five (5), Township Six North (T6N), Range Seven West (R7W) of the Indian Meridian (I.M.), Chickasha, Grading County, Oklahoma, more particularly described by metes and bounds as follows:

COMMENCING at the Northwest corner of said NW/4; thence S00°03'38"W along said West line a distance of 468.34 feet to the POINT OF BEGINNING; thence

S89°58'33"E a distance of 246.62 feet; thence
N58°23'01"E a distance of 241.42 feet; thence
N89°57'43"E a distance of 871.98 feet; thence
S00°13'17"W a distance of 59.78 feet; thence
S46°22'05"W a distance of 1327.32 feet; thence
S89°50'58"W a distance of 364.17 feet to a point on the West line of said NW/4; thence
N00°03'38"E along said West line a distance of 849.58 feet to the POINT OF BEGINNING.

Said tract contains 807,630 Sq Ft or 18.54 Acres, more or less.

LAND SURVEYOR'S CERTIFICATE

I, JEREMY A. LAWSON, 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.

JEREMY A. LAWSON, LPLS 1916

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 JEREMY A. LAWSON, 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

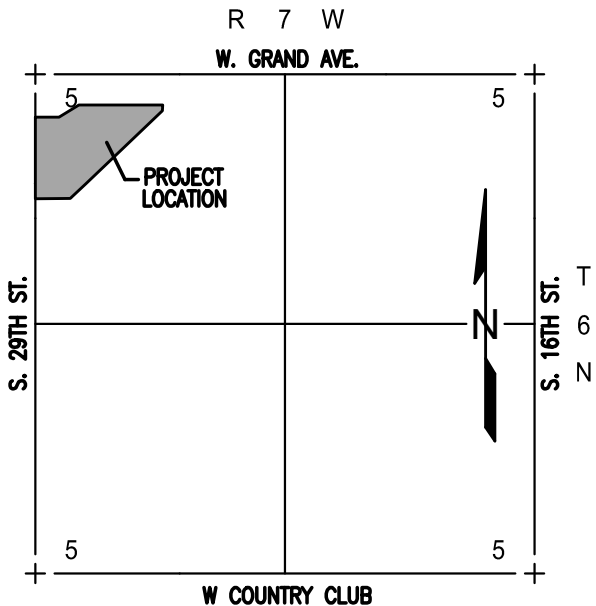
NOTARY PUBLIC, #03005138

CITY PLANNING COMMISSION APPROVAL

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

PLANNING DIRECTOR

FINAL PLAT
OF
SCISSORTAIL CROSSING
A PART OF THE NW/4 OF SECTION 5, T6N, R7W, I.M.
CHICKASHA, GRADY COUNTY, OKLAHOMA



LOCATION MAP
SCALE: 1" = 2000'

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 EP Leasing, 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 _____, _____.
WARRANTY TITLE & 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 _____, 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 _____, _____.
CITY CLERK MAYOR

ATTEST:

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 installments 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

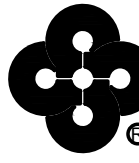
Any addresses shown on this plat were accurate at the time this plat was filed. Addresses are subject to change and should never be relied upon in place of legal description.

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"
- Maintenance of the Common Areas and Islands/Medians in Public Rights-of-Way shall be the responsibility of the Property Owners and/or Property Owners Association. No structures, storage of material, grading, fill, or other obstructions, either temporary or permanent shall be placed within the drainage related common areas and/or drainage areas shown. Certain amenities such as, but not limited to, walks, benches, piers, and docks, shall be permitted if installed in a manner to meet the requirements specified above.
- A sidewalk is required on each lot where it abuts a local and/or a collector street. The sidewalk is required at the Building Permit Stage and must be installed prior to the issuance of a Certificate of Occupancy from the City of Oklahoma City for the applicable lot.
- Two 1½ inch caliper trees, or one 3-inch caliper tree, shall be planted in the front yard of all lots where the garage extends beyond the front wall of a residence, towards the street Right-of-Way.

FINAL PLAT
SCISSORTAIL CROSSING

300 Points Parkway Blvd.
Yukon, Oklahoma 73099

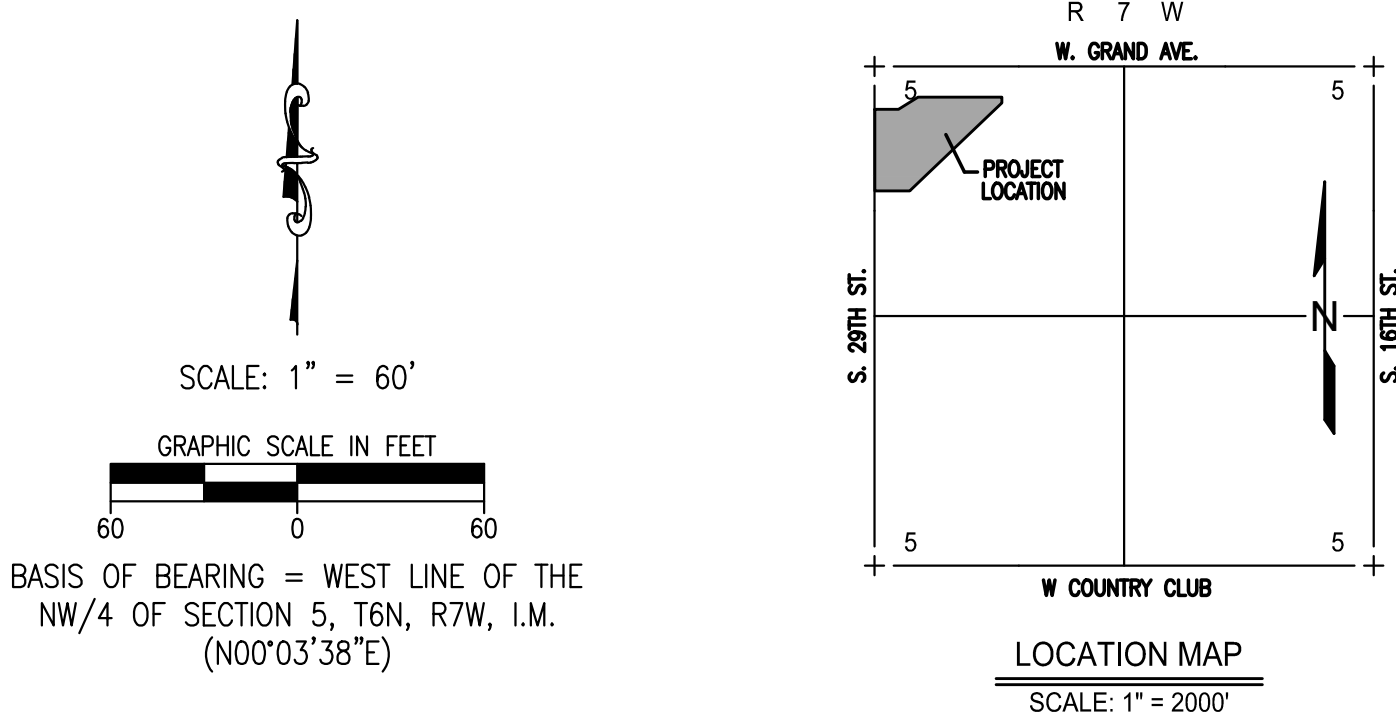


Crafton Tull
architecture | engineering | surveying
405.787.6270 | 405.787.6276 |
www.craftontull.com

CERTIFICATE OF AUTHORIZATION
CA 973 (PE&S) EXPIRES 6/30/2024

SHEET NO.: 1 OF 2
DATE: 01/13/23
PROJECT NO.: 21618600

FINAL PLAT
OF
SCISSORTAIL CROSSING
A PART OF THE NW/4 OF SECTION 5, 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
(NR) NONRADIAL LINE
L.N.A. LIMITS OF NO ACCESS
C/A COMMON AREA
(ESMT.) EASEMENT

ADDRESSES

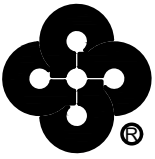
Any addresses shown on this plat were accurate at the time this plat was filed. Addresses are subject to change and should never be relied upon in place of legal description.

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"
- Maintenance of the Common Areas and Islands/Medians in Public Rights-of-Way shall be the responsibility of the Property Owners and/or Property Owners Association. No structures, storage of material, grading, fill, or other obstructions, either temporary or permanent shall be placed within the drainage related common areas and/or drainage areas shown. Certain amenities such as, but not limited to, walks, benches, piers, and docks, shall be permitted if installed in a manner to meet the requirements specified above.
- A sidewalk is required on each lot where it abuts a local and/or a collector street. The sidewalk is required at the Building Permit Stage and must be installed prior to the issuance of a Certificate of Occupancy from the City of Oklahoma City for the applicable lot.
- Two 1 1/2 inch caliper trees, or one 3-inch caliper tree, shall be planted in the front yard of all lots where the garage extends beyond the front wall of a residence, towards the street Right-of-Way.

FINAL PLAT
SCISSORTAIL CROSSING

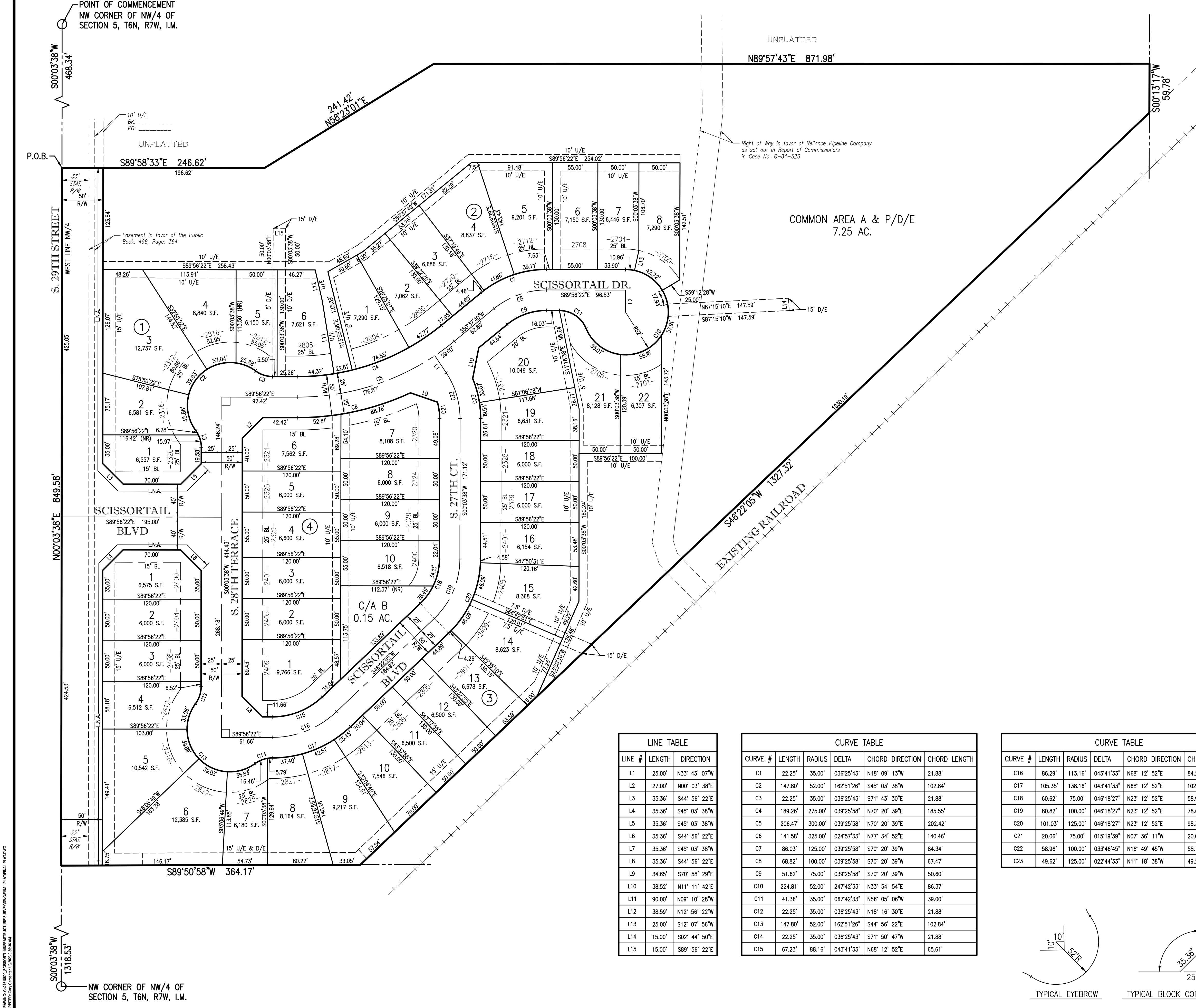
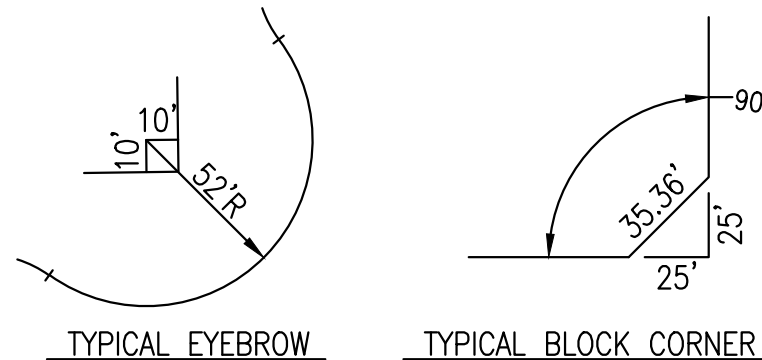
300 Points Parkway Blvd.
Yukon, Oklahoma 73099



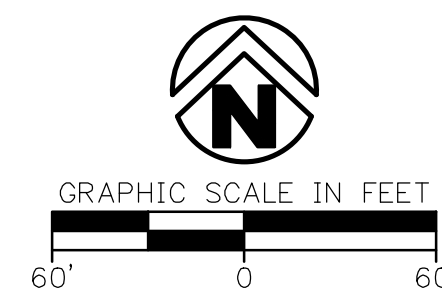
Crafton Tull
architecture | engineering | surveying
405.787.6270 | 405.787.6276 |
www.craftontull.com

SHEET NO.: 2 OF 2
DATE: 01/13/23
PROJECT NO.: 21618600

CERTIFICATE OF AUTHORIZATION
CA 973 (PES) EXPIRES 6/30/2024



DRAWING: 02/14/2023, SCISSORTAIL CROSSING SURVEY COMPANY, FINAL PLAT, PLAT NO. 21618600
PRINTED: 01/13/2023, 10:00 AM



Key Plan

[illegible]

This document, and the ideas and designs incorporated herein, as an instrument of professional service, is the property of Crafton, Tull & Associates, Inc., and is not to be used, in whole or in part, for any other project, without the written authorization of Crafton, Tull & Associates, Inc.

PROJECT NO: 21618600
ISSUE DATE: 01/09/23
CONTACT: Kendall Dillon
QC by: MARK LOVE
QC Date: 07/12/22

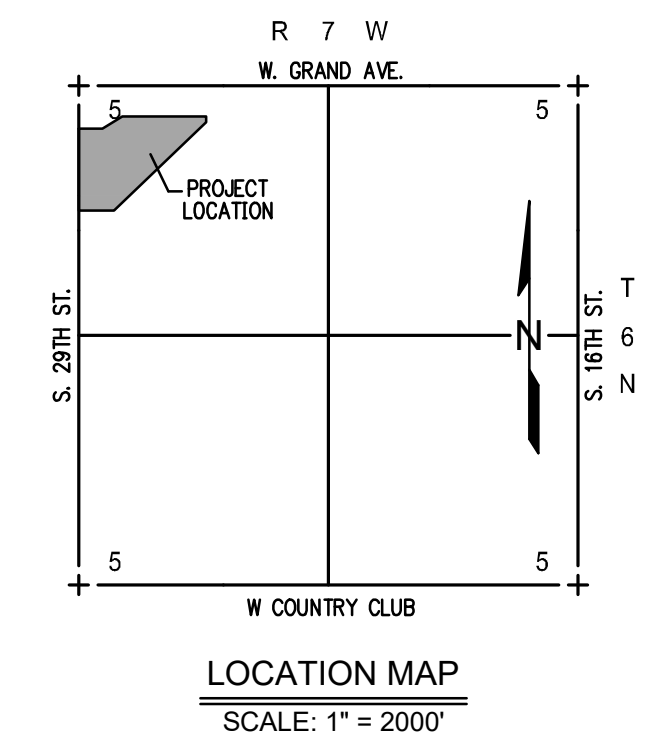
ISSUED FOR
CONSTRUCTION

OVERALL PAVING PLAN

C-103

SCISSORTAIL CROSSING
Page 10 of 10

DRAWING: G:\21618600_SCS\08\RT\INFRAS\STRUCTURE\CH\DWG\1\COVER-PAVING.DWG
 LAYOUT: OVERLAY PAVING PLAN (LAST SAVED: GC714, 1/4/2023 12:31 PM)
 CREATED BY: DESTIN HARRISON, 1/9/2023 8:29 AM PLOTTED BY: ONLY VALID ON HARD COPY



CERTIFICATE OF AUTHORIZATION:
CA 973 (PE/LS) EXPIRES 6/30/2024

Key Plan



Key Plan

[illegible]

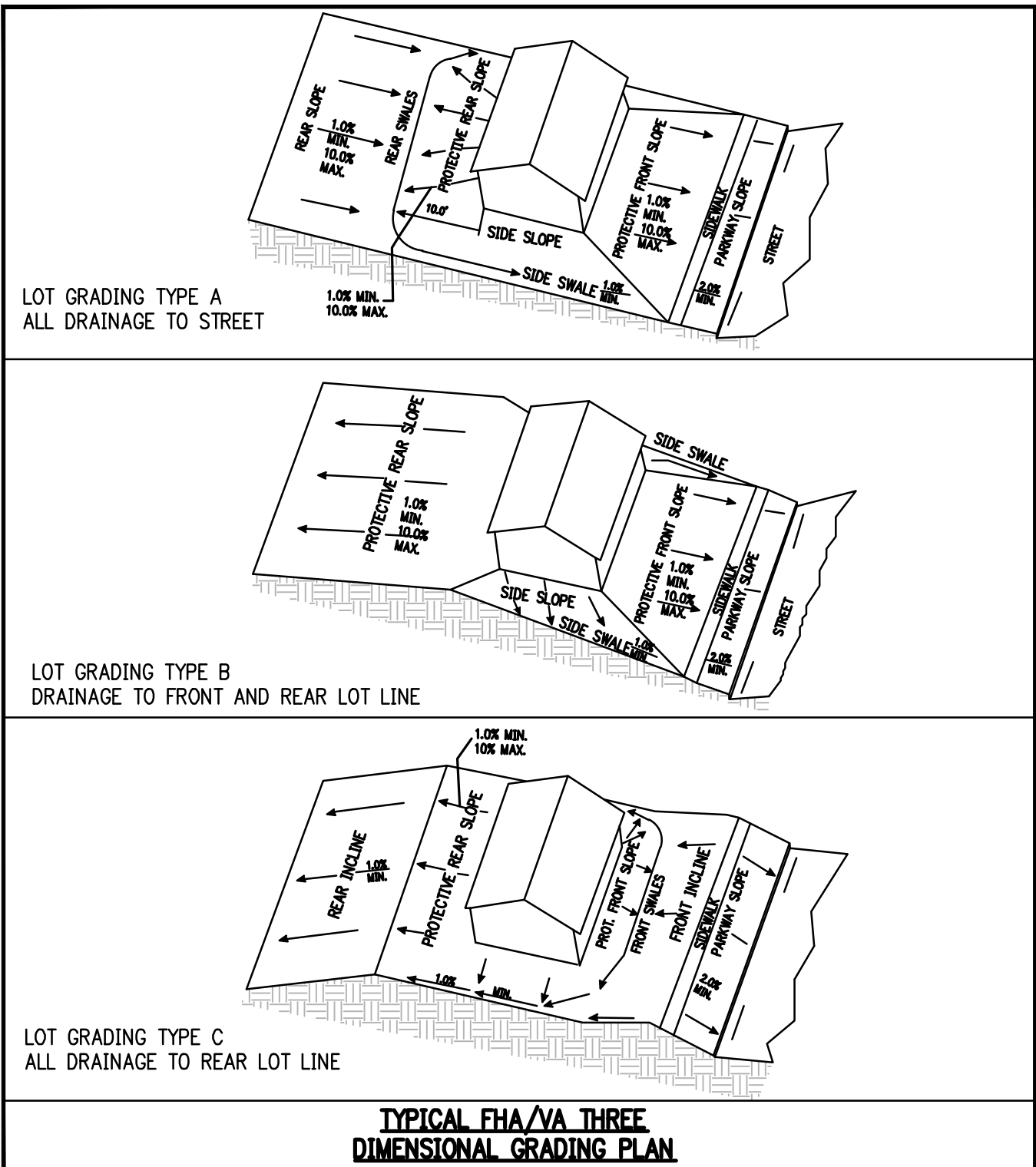
This document, and the ideas and designs incorporated herein, as an instrument of professional service, is the property of Crafton, Tull & Associates, Inc., and is not to be used, in whole or in part, for any other project, without the written authorization of Crafton, Tull & Associates, Inc.

PROJECT NO: 21618600
ISSUE DATE: 01/09/23
CONTACT: Kendall Dillon
QC by: MARK LOVE
QC Date: 07/12/22

ISSUED FOR
INSTRUCTION

© 2023 Crafton, Tull & Associates, Inc.

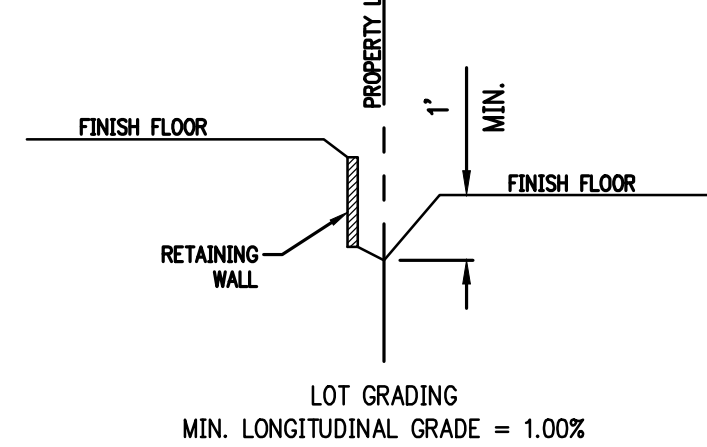
C-105

SCISSORTAIL CROSSING
Page 12 of 12

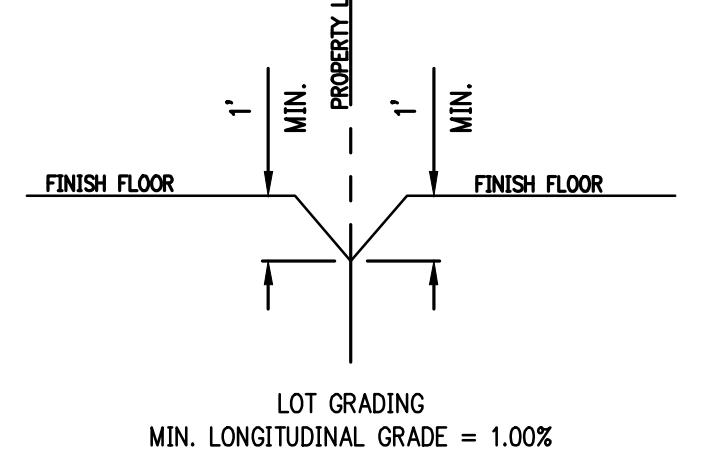
NOTE:

GRADING CONTRACTOR TO
DE-WATER POND TO CONSTRUCT
POND BANK & OUTLET

OPTION 1



OPTION 2



GENERAL NOTES

1. EXCEPT AS NOTED, BUILDING PAD GRADING TO BE PERFORMED BY HOUSE CONTRACTOR AFTER COMPLETION OF SUBDIVISION IMPROVEMENTS. PAD GRADING IS REQUIRED ON ALL LOTS SHOWING PAD ELEVATIONS. STRIP GRADING IS ALLOWED ON ALL REMAINING LOTS WITHOUT REQUIRED PAD ELEVATIONS.
2. ALL FINISH FLOOR ELEVATION SHALL BE MINIMUM OF 8" ABOVE THE HIGHEST GRADE ADJACENT TO BUILDING PAD. SEE CURRENT BUILDING CODE. FLOOR ELEVATIONS SHOWN ARE BASED ON THE MINIMUM FRONT SETBACK. ALL GRADING TYPE A & B LOT FINISH FLOORS SHALL BE AT LEAST 1.0 FT ABOVE THE ROAD CROWN ALONG LOT FRONTAGE
3. DRIVEWAY SLOPE BREAKS SHALL NOT EXCEED AN ALGEBRAIC DIFFERENCE OF +/- 14% WITHOUT A PROPER VERTICAL CURVE.
4. MEANDER SWALES AROUND SPECIMEN TREES AND DO NOT DISTURB WETLAND VEGETATION.
5. GRADING OF STREETS IN FUTURE SECTIONS ARE TO REMAIN A MINIMUM OF 0.30' ABOVE PROPOSED PAVING CROWN. GRADE TO AS SHOWN ON PLAN.
6. AREAS EXPOSED BY EXCAVATION OR STRIPPING SHALL BE SCARIFIED TO MINIMUM DEPTH OF 8-INCHES AND COMPACTED TO NOT LESS THAN 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.
7. 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.
8. FIELD DENSITY TESTS FOR ALL FILL AREAS WILL BE PERFORMED BY THE CONTRACTOR'S INDEPENDENT TESTING LABORATORY. FIELD DENSITY TESTING FREQUENCY IN CUT AREAS SHALL INCLUDE NOT LESS THAN 1 COMPACTION TEST FOR EVERY 10,000 SQ. FT., OR PER CITY REQUIREMENTS. FIELD DENSITY TESTING FREQUENCY IN FILL AREAS SHALL INCLUDE NOT LESS THAN 1 COMPACTION TEST FOR EVERY 10,000 SQ. FT. FOR EACH 8-INCH LIFT, MEASURED LOOSE, OR PER CITY REQUIREMENTS.
9. CORRECTIVE MEASURES FOR NON-COMPLYING COMPACTION SHALL CONSIST OF REMOVAL AND RE-COMPACTION OF DEFICIENT AREAS UNTIL PROPER COMPACTION IS OBTAINED AT NO ADDITIONAL EXPENSE TO OWNER.

DRAWING: G-21618600-SCS001L INFRASTRUCTURE CIVIL WORKING GRADING PLAN.DWG
LAYOUT: GRADING PLAN LAST SAVED: 04/7/2022 3:16 PM
PLOTTED BY: DESTIN HARRISON, 1/9/2023 8:30 AM PLOTTED BY: ONLY VALID ON HARD COPY

Key Plan

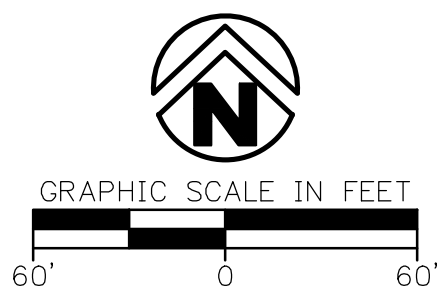
No.	Description	Date
-----	-------------	------

This document, and the ideas and designs incorporated herein, as an instrument of professional service, is the property of Crafton, Tull & Associates, Inc., and is not to be used, in whole or in part, for any other project, without the written authorization of Crafton, Tull & Associates, Inc.

ISSUED FOR _____

© 2023 Crofton, Tull & Associates, Inc.

C-106



EXISTING SIDEWALK

EXISTING SIDEWALK ALONG COMMON AREAS
AND/OR ARTERIAL STREETS

PROPOSED SIDEWALK (BY OTHERS)

PROPOSED SIDEWALK
(TO BE CONSTRUCTED W/ THIS PROJECT)

ADA HANDICAP RAMP

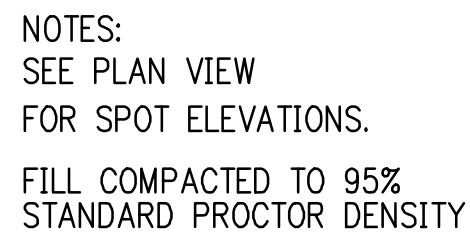
6. UNLESS NOTED OTHERWISE, THE CONTRACTOR SHALL NOT STRIPE CROSSWALKS AS SHOWN ON THE PLANS OR AS REFERENCED BY STANDARD DETAIL DRAWINGS CONTAINED WITHIN THIS PLAN SET.

Key Plan

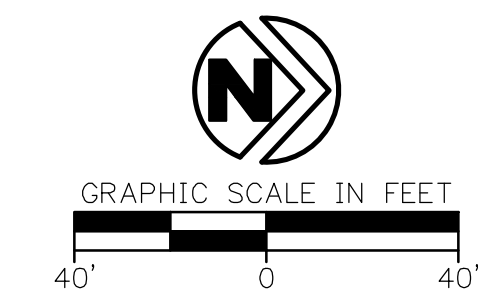
This document, and the ideas and designs incorporated herein, as an instrument of professional service, is the property of Crafton, Tull & Associates, Inc., and is not to be used, in whole or in part, for any other project, without the written authorization of Crafton, Tull & Associates, Inc.

ISSUED FOR
CONSTRUCTION

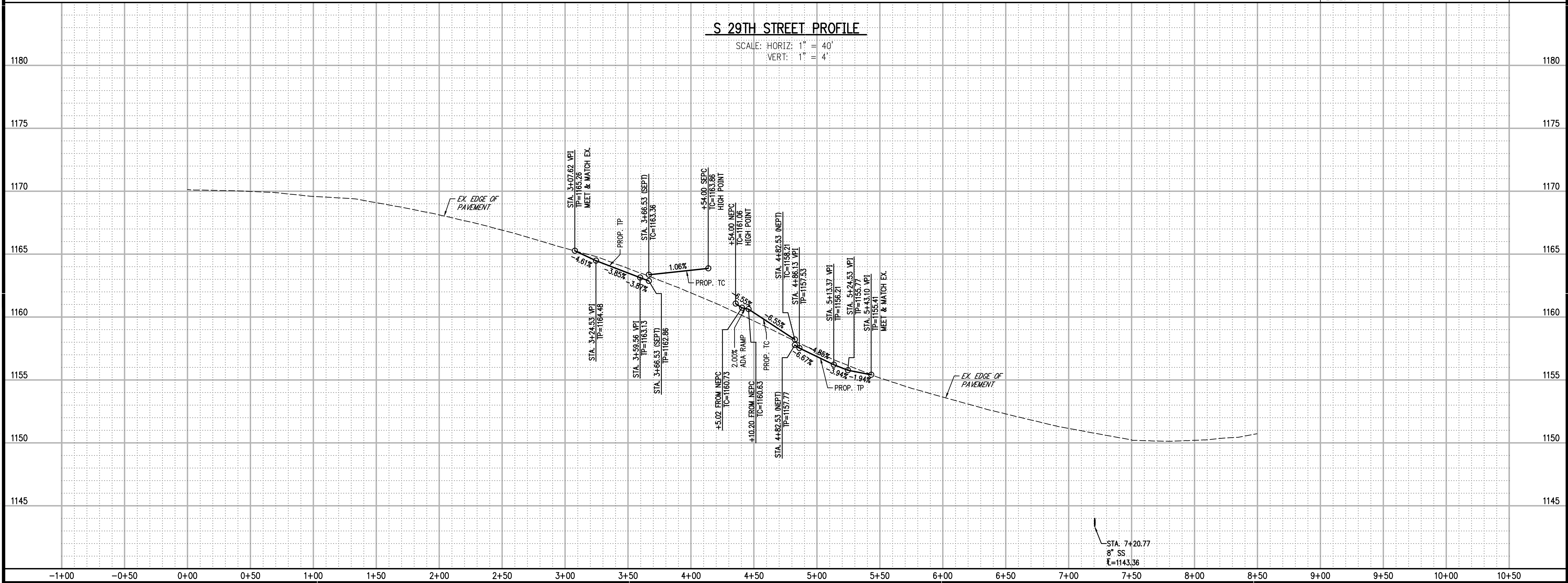
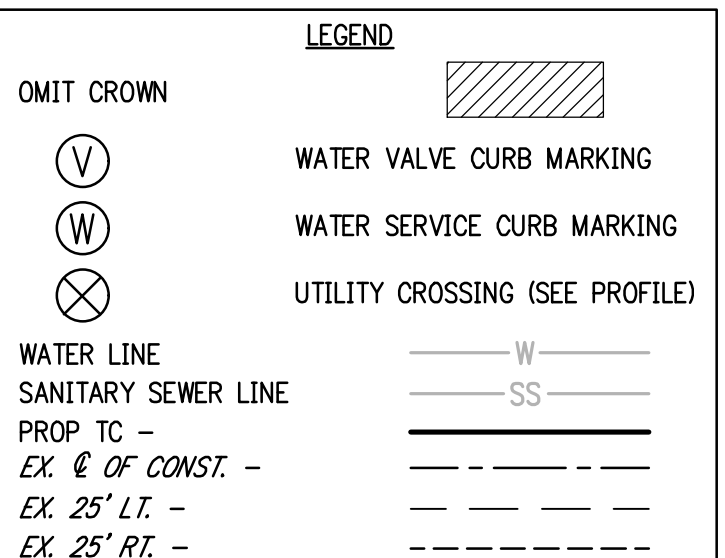
C-201

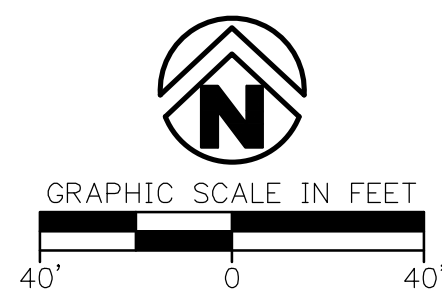


CURVE #	LENGTH	RADIUS	DELTA
R1	47.12'	30.00'	90°00'00"
R2	47.12'	30.00'	90°00'00"



S 29TH STREET PLAN



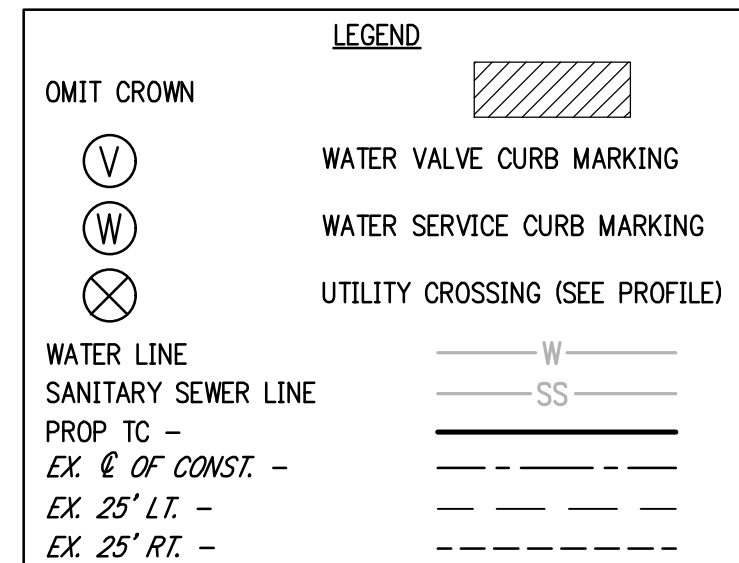


SCISSORTAIL BLVD PLAN

GRAPHIC SCALE IN FEET

30' 0 30'

	LEGEND
OMIT CROWN	
	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]

This document, and the ideas and designs incorporated herein, as an instrument of professional service, is the property of Crafton, Tull & Associates, Inc., and is not to be used, in whole or in part, for any other project, without the written authorization of Crafton, Tull & Associates, Inc.

PROJECT NO: 21618600
ISSUE DATE: 01/09/23
CONTACT: Kendall Dillon
QC by: MARK LOVE
QC Date: 07/12/22

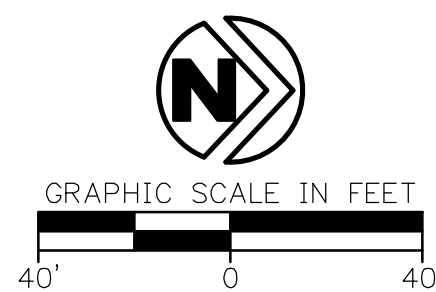
ISSUED FOR
CONSTRUCTION

© 2023 Crofton, Tull & Associates, Inc.

SCISSORTAIL BOULEVARD

C-202

4 STA. 4+14.43 S 28TH TERRACE =
STA. 0+00.00 SCISSORTAIL DRIVE



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

CURVE #	LENGTH	RADIUS	DELTA
R3	47.12'	30.00'	90°00'00"
R4	47.12'	30.00'	90°00'00"
R5	29.88'	47.00'	36°25'43"
R6	29.88'	47.00'	36°25'43"
R7	47.12'	30.00'	90°00'00"
R11	29.88'	47.00'	36°25'43"

LEGEND

OMIT CROWN

 WATER VALVE CURB MARKING

 WATER SERVICE CURB MARKING

 UTILITY CROSSING (SEE PROFILE)



WATER LINE

SANITARY SEWER LINE

PROP TO -

EX. 25' OF CONST. -

EX. 25' LT. -

EX. 25' RT. -

Key Plan

[illegible]

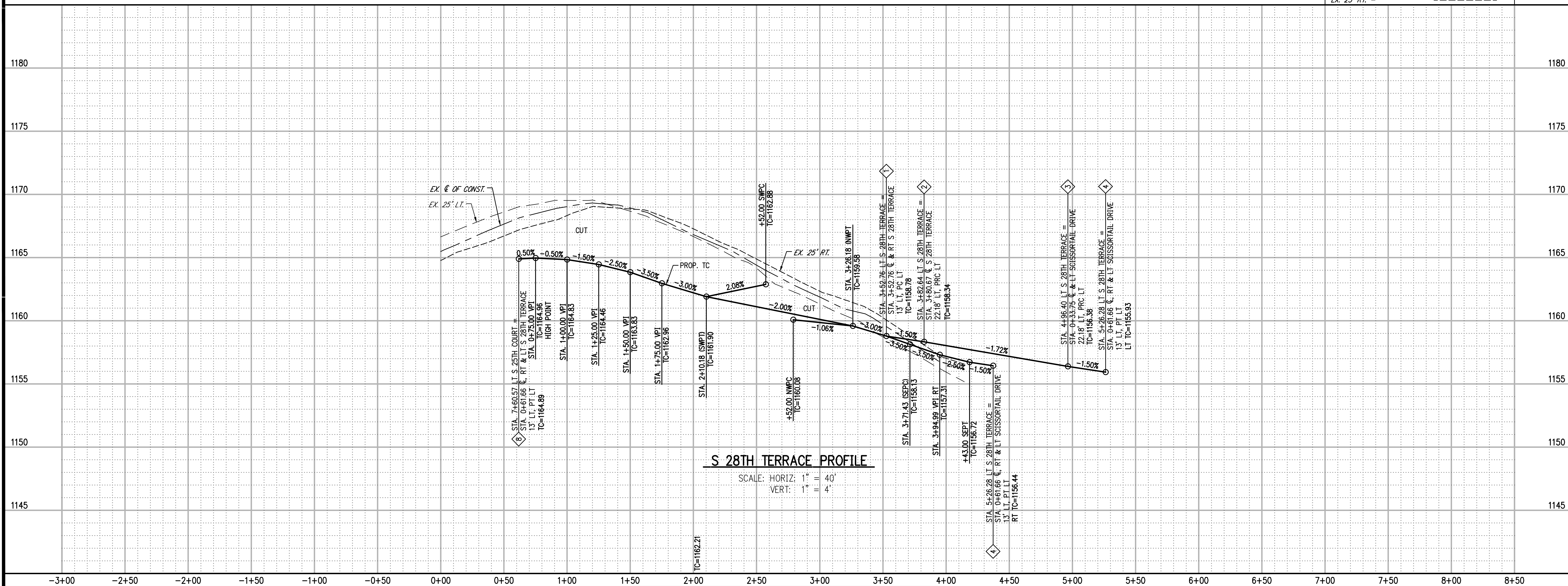
This document, and the ideas and designs incorporated herein, as an instrument of professional service, is the property of Crafton, Tull & Associates, Inc., and is not to be used, in whole or in part, for any other project, without the written authorization of Crafton, Tull & Associates, Inc.

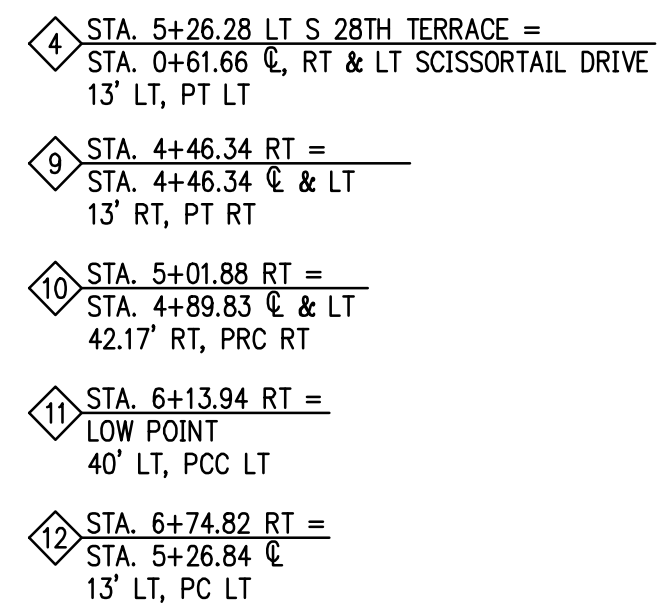
PROJECT NO: 21618600
ISSUE DATE: 01/09/23
CONTACT: Kendall Dillon
QC by: MARK LOVE
QC Date: 07/12/22

ISSUE
CONSTR

S 28TH TERRACE

C-203

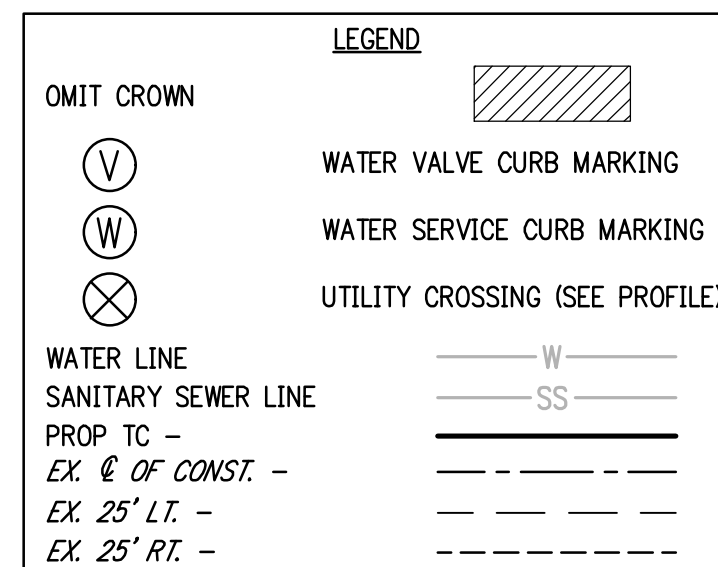
SCISSORTAIL CROSSING
Page 16



CURVE TABLE (CENTERLINE)					
CURVE #	LENGTH	RADIUS	DELTA	CHORD DIRECTION	CHORD LENGTH
C4	206.47'	300.00'	039°25'58"	N70° 20' 39"E	202.42'
C5	68.82'	100.00'	039°25'58"	S70° 20' 39"W	67.47'



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



SCISSORTAIL CROSSING
CHICKASHA, OKLAHOMA



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

Key Plan

[illegible]

This document, and the ideas and designs incorporated herein, as an instrument of professional service, is the property of Crafton, Tull & Associates, Inc., and is not to be used, in whole or in part, for any other project, without the written authorization of Crafton, Tull & Associates, Inc.

PROJECT NO: 21618600
ISSUE DATE: 01/09/23
CONTACT: Kendall Dillon
QC by: MARK LOVE
QC Date: 07/12/22

ISSUED FOR
CONSTRUCTION

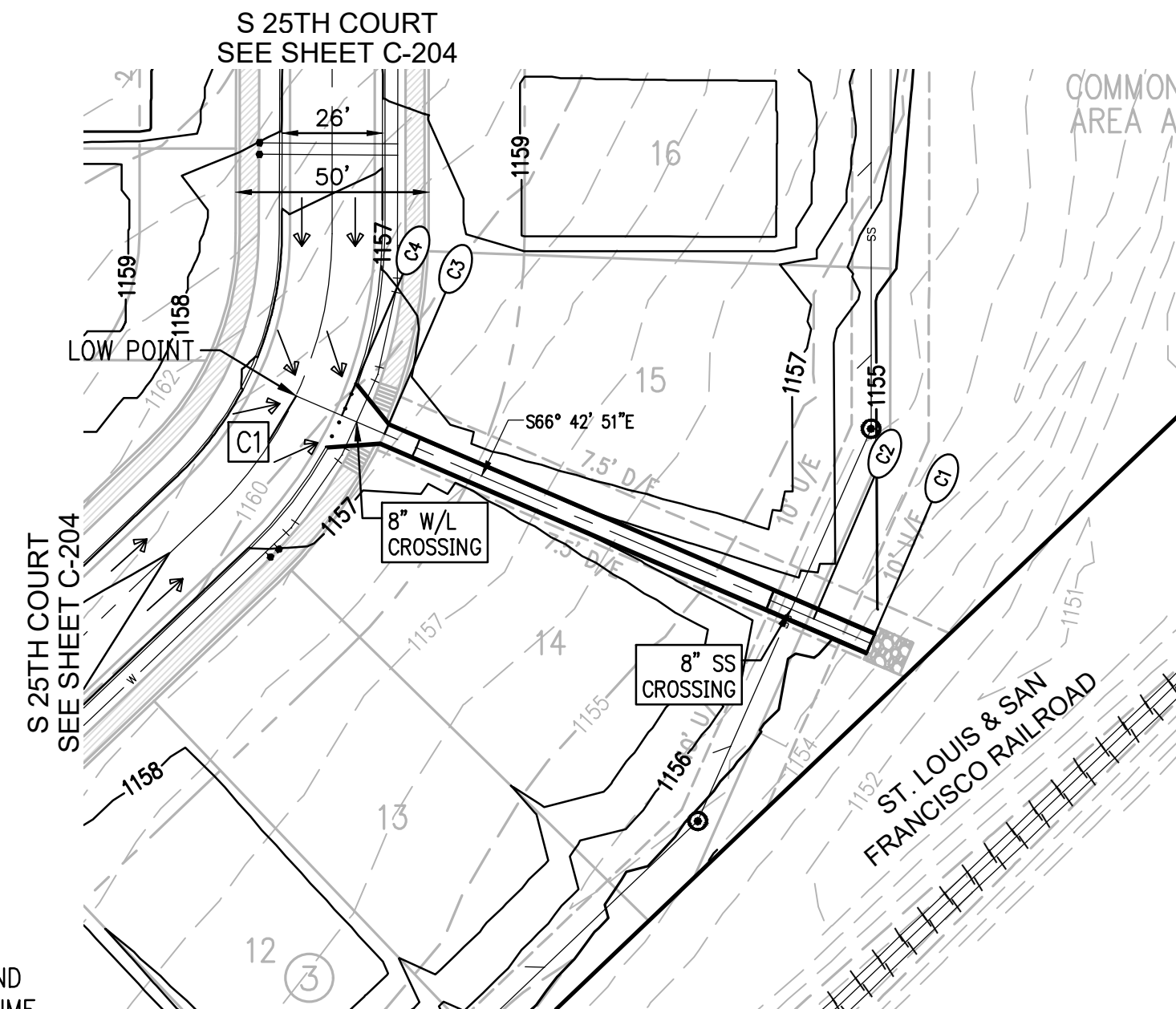
SCISSORTAIL DRIVE

C-205

C1 STA. 1+62.51 @ FLUME C =
STA. 2+98.61 @ S 25TH COURT

NOTES:
FLUME SECTION DETAIL 1
& FLUME BARRIER DETAIL
SEE SHEET C-206

A STA. 0+63.58 @ STORM SEWER A=
STA. 0+32.55 @ SCISSORTAIL BLVD

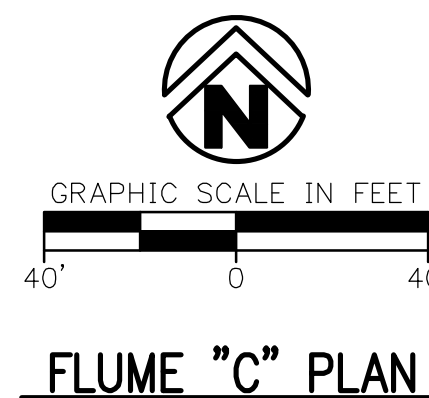
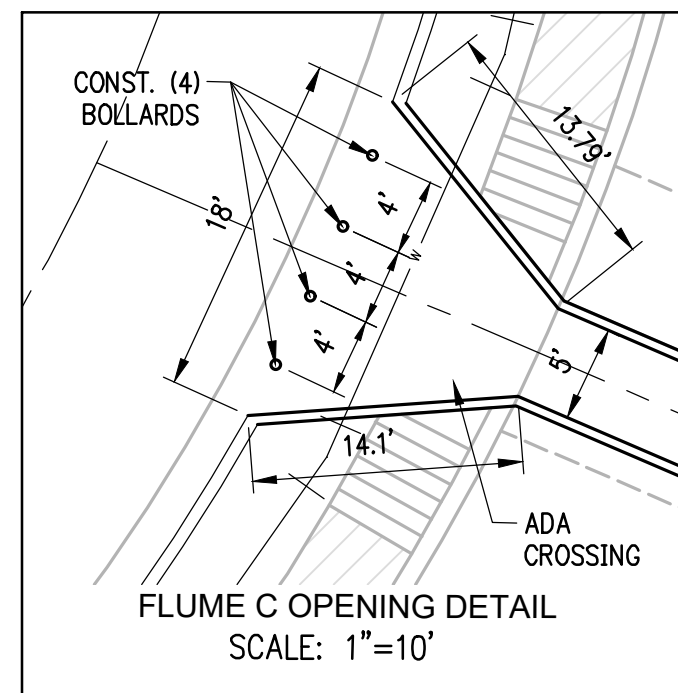


C1 STA. 0+00.00
MEET & MATCH EX. GROUND
BEGIN 5.0'x0.5' CONC. FLUME
CONST. (1) 3' CUT OFF WALL
PLACE 10 S.Y. 12" RIP-RAP
W/ FILTER FABRIC MAT
E=1154.55

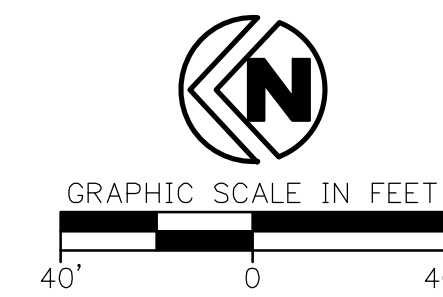
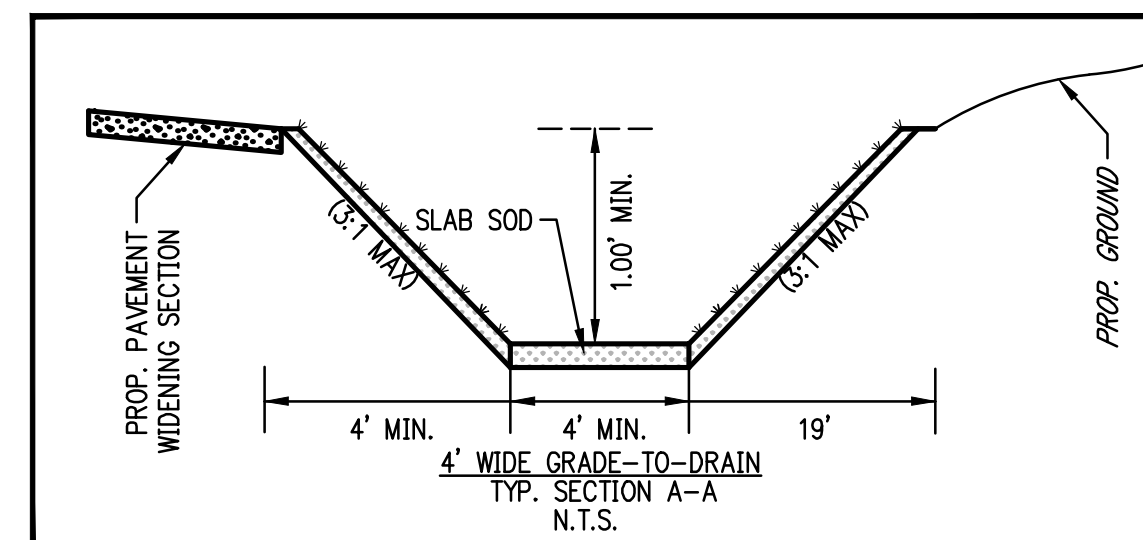
C2 STA. 0+16.20
CONC. FLUME VPI
E=1154.88

C3 STA. 1+37.50
END 5.0'x0.5' CONC. FLUME
CONST. FLUME BARRIER
BEGIN 5.0'x0.5' TO 18.0x0.5' FLUME TRANSITION
E=1156.09

C4 STA. 1+49.50
END 5.0'x0.5' TO 18.0x0.5' FLUME TRANSITION
CONST. (4) BOLLARDS
E & GT=1156.21



FLUME "C" PLAN



STORM SEWER "A" PLAN

① STA. -0+88.72
MEET & MATCH EX. GROUND
BEGIN GRADE-TO-DRAIN
E GRADE-TO-DRAIN=1152.36

② STA. 0+00.00
END GRADE-TO-DRAIN
CONST. (1) FES FOR 18" RCP
CONST. (1) 3' CUT-OFF WALL
PLACE 10 S.Y. OF 12" RIP-RAP
W/ FILTER FABRIC MAT
E FES=1155.22

③ STA. 0+06.08
BEGIN 18" RCP
E=1155.47

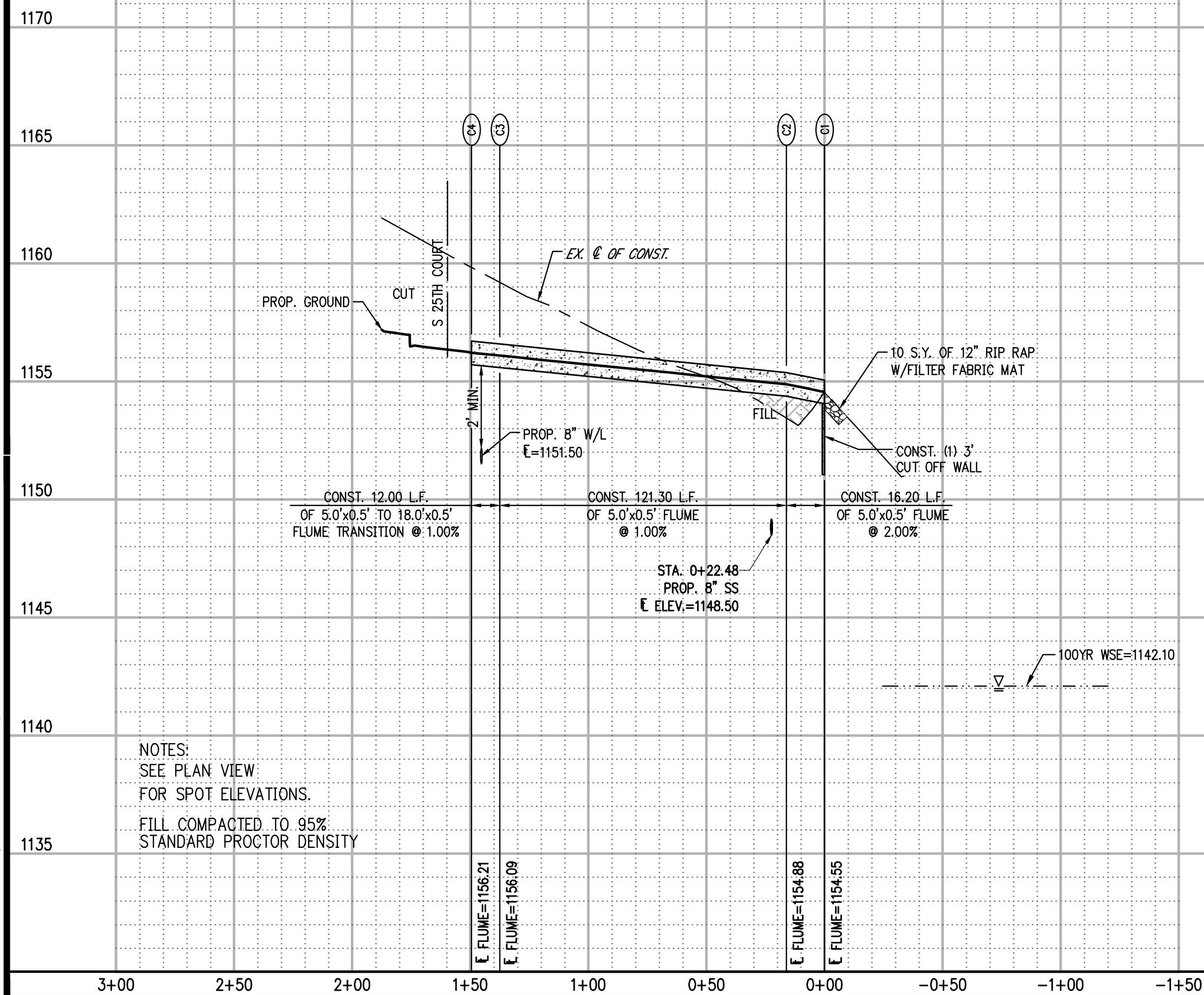
④ STA. 1+21.08
END 18" RCP
E=1160.07

⑤ STA. 1+27.16
BEGIN GRADE-TO-DRAIN
CONST. (1) FES FOR 18" RCP
CONST. (1) 3' CUT-OFF WALL
PLACE 10 S.Y. OF 12" RIP-RAP
W/ FILTER FABRIC MAT
E FES=1160.30

⑥ STA. 2+55.11
END GRADE-TO-DRAIN
MEET & MATCH EX. GROUND
E GRADE-TO-DRAIN=1165.42

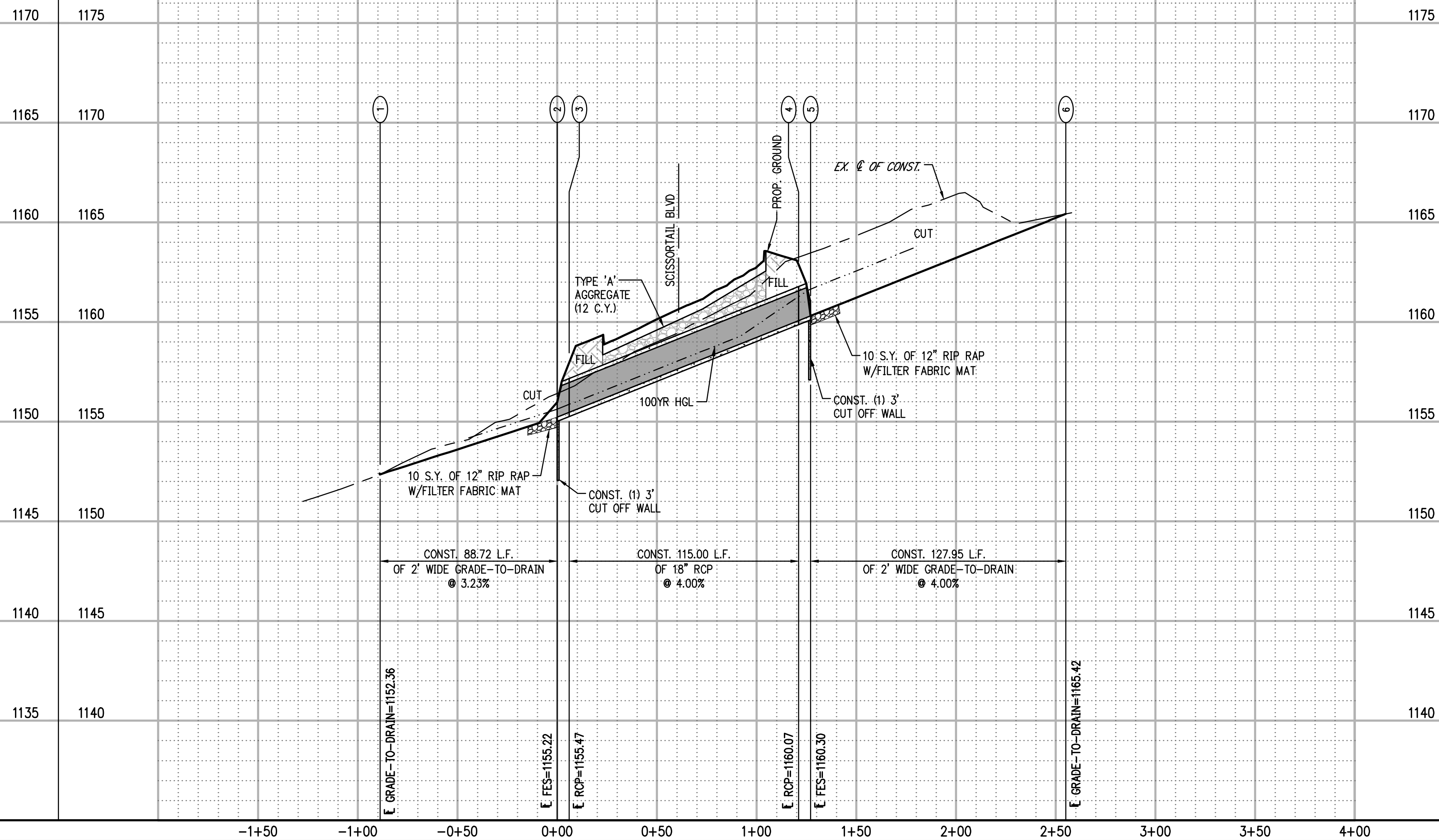
FLUME "C" PROFILE

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



STORM SEWER "A" PROFILE

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



300 Pointe Parkway Blvd.
Yukon, Oklahoma 73099

 **Crafton Tull**
architecture | engineering | surveying

405.787.6270 t 405.787.6276 f
www.craftontull.com

CERTIFICATE OF AUTHORIZATION:
CA 973 (PE/LS) EXPIRES 6/30/2024

SCISSORTAIL CROSSING

CHICKASHA, OKLAHOMA

Key Plan

[illegible]

This document, and the ideas and designs incorporated herein, as an instrument of professional service, is the property of Crafton, Tull & Associates, Inc., and is not to be used, in whole or in part, for any other project, without the written authorization of Crafton, Tull & Associates, Inc.

PROJECT NO: 21618600
ISSUE DATE: 01/09/23
CONTACT: Kendall Dillon
QC by: MARK LOVE
QC Date: 07/12/22

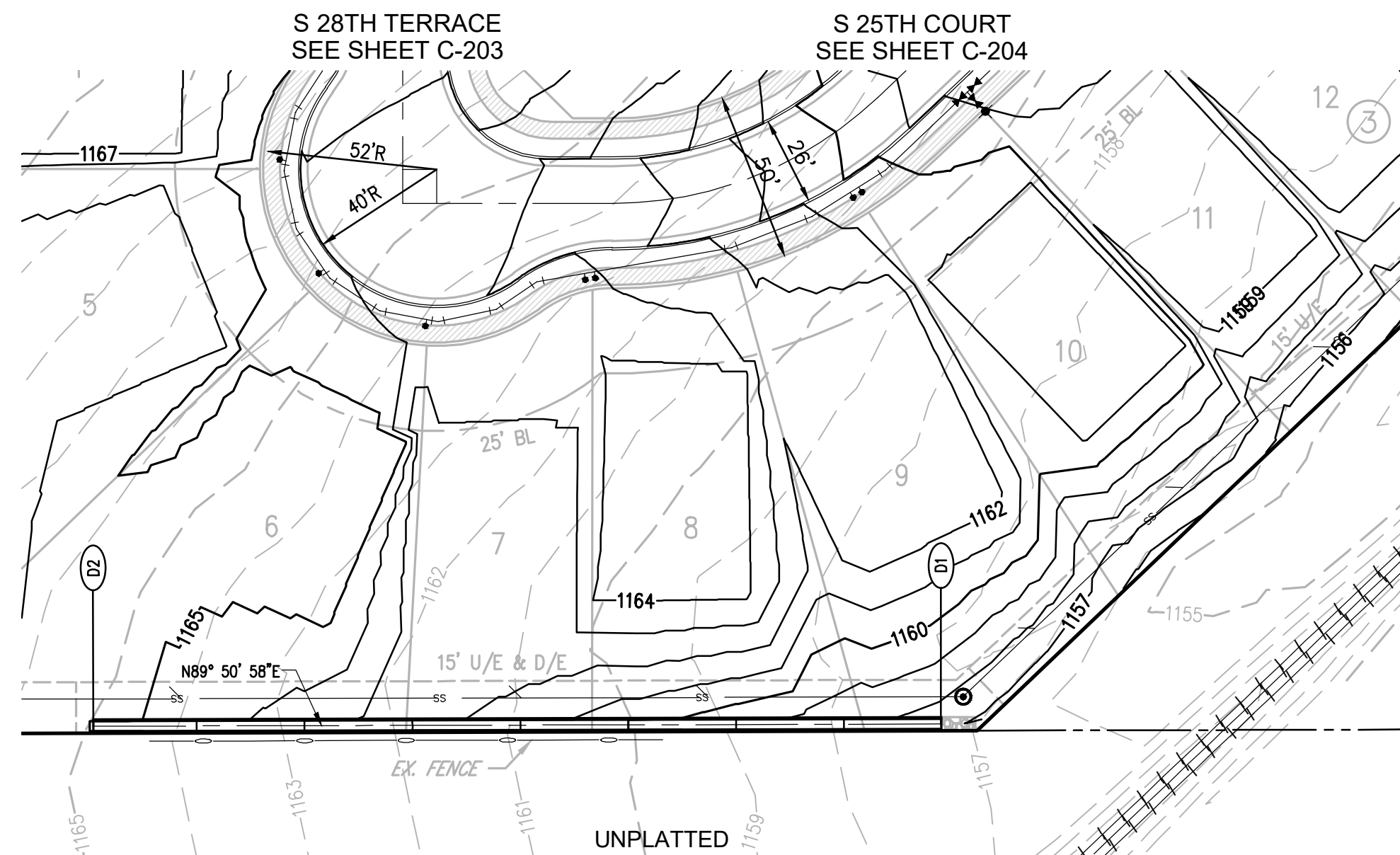
ISSUED FOR
CONSTRUCTION

© 2023 Crofton, Tull & Associates, Inc.

FLUME C & STORM SEWER A

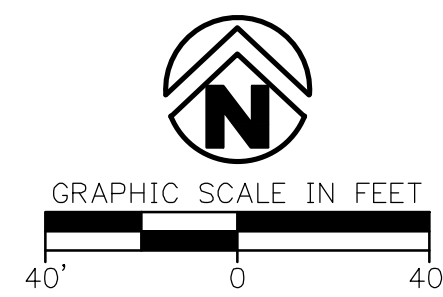
C-207

SCISSORTAIL CROSSING
Page 20 of 20



S 25TH COURT
SEE SHEET C-204

UNPLATTED



D1 STA. 0+00.00
BEGIN 3.0'x0.5' CONC. FLUME
CONST. (1) 3' CUT OFF WALL
PLACE 10 S.Y. 12" RIP-RAP
W/ FILTER FABRIC MAT
E=1156.60

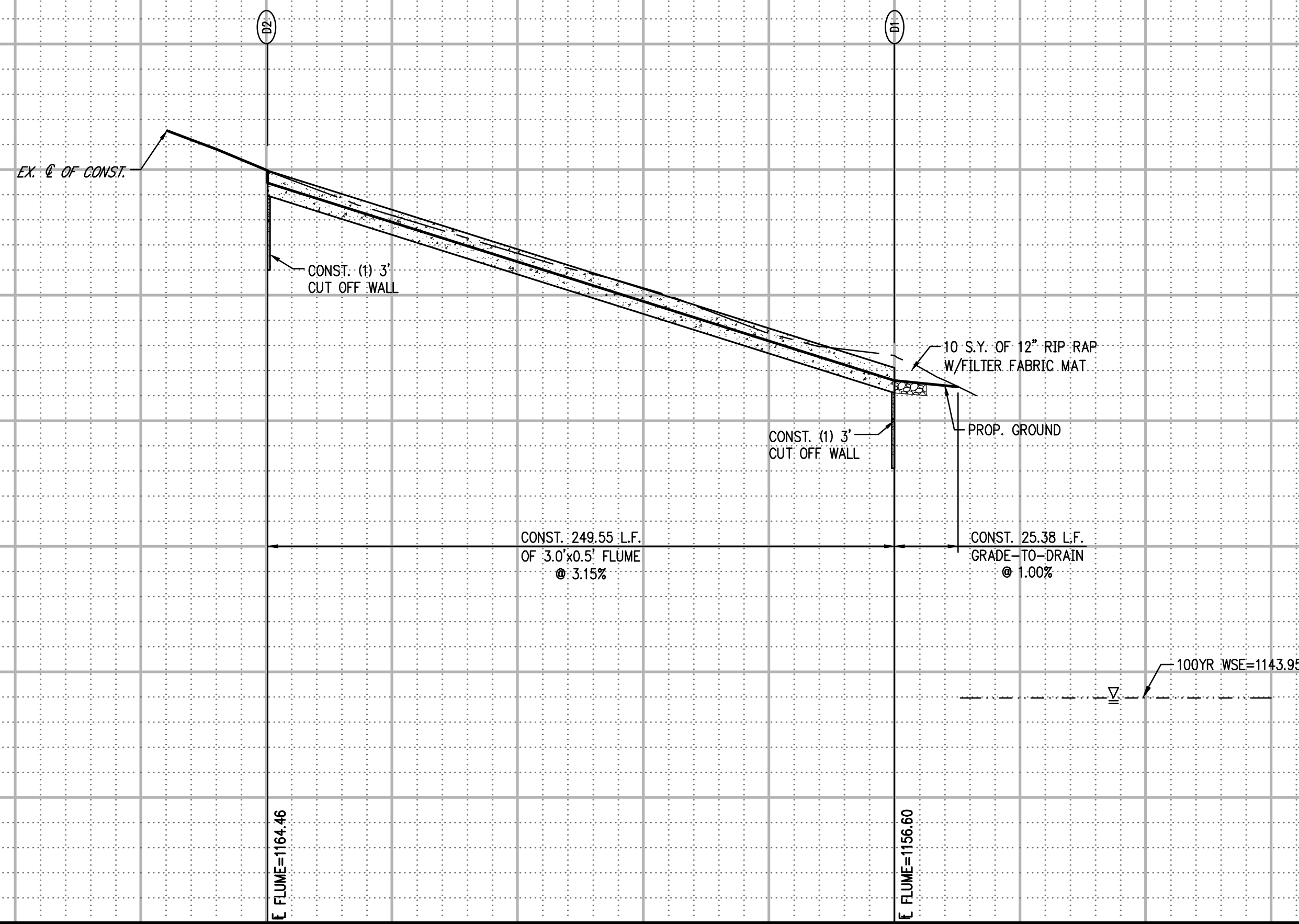
D2 STA. 2+49.55
END 3.0'x0.5' CONC. FLUME
CONST. (1) 3' CUT OFF WALL
E=1164.46

FLUME D PLAN

FLUME D PROFILE

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

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



CONST. (1) 3'
CUT OFF WALL

CONST. (1) 3' —
CUT OFF WALL

10 S.Y. OF 12" RIP RAP
W/FILTER FABRIC MAT.

4 PROP. GROUND

CONST. 249.55 L.F.
OF 3.0'x0.5' FLUME
@ 3.15%

CONST. 25.38 L.F.
GRADE-TO-DRAIN
@ 1.00%

100YR WSE=1143.95

E FLUME=1164.46

FLUME=1156.60



craton toll
architecture | engineering | surveying

405.787.6270 t 405.787.6276 f
www.craftontull.com

CERTIFICATE OF AUTHORIZATION:
CA 973 (PE/LS) EXPIRES 6/30/2024

SCISSORTAIL CROSSING

CHICKASHA, OKLAHOMA

Key Plan

[illegible]

This document, and the ideas and designs incorporated herein, as an instrument of professional service, is the property of Crafton, Tull & Associates, Inc., and is not to be used, in whole or in part, for any other project, without the written authorization of Crafton, Tull & Associates, Inc.

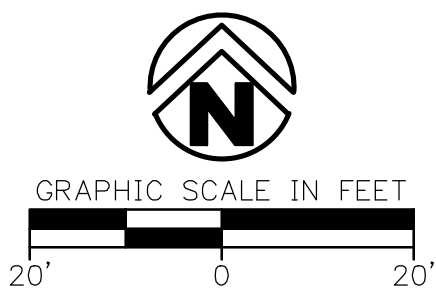
PROJECT NO: 21618600
ISSUE DATE: 01/09/23
CONTACT: Kendall Dillon
QC by: MARK LOVE
QC Date: 07/12/22

ISSUED FOR
CONSTRUCTION

© 2023 Crofton, Tull & Associates, Inc.

FLUME D

C-208



POND A OUTLET PROFILE



(P0) STA. -0+31.04
BEGIN GRADE-TO-DRAIN
MEET & MATCH EXISTING GROUND
E GRADE-TO-DRAIN=1133.00

(P1) STA. 0+00.00
END GRADE-TO-DRAIN
BEGIN 4' WIDE CONC. CHANNEL
BEGIN 0' TO 3' CONC. VERTICAL TRANSITION
CONST. (1) 3' CUT-OFF WALL
PLACE 110 S.Y. OF 12" RIP-RAP
W/ FILTER FABRIC MAT
E CHANNEL=1133.93

(P2) STA. 0+12.00
4' WIDE CONC. CHANNEL VPI
END 0' TO 3' CONC. VERTICAL TRANSITION
TB=1137.29
E CHANNEL=1134.25

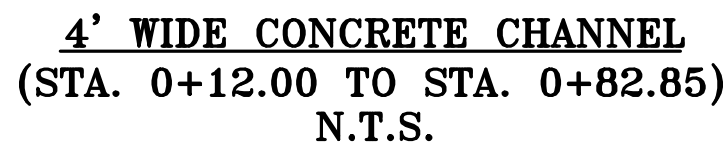
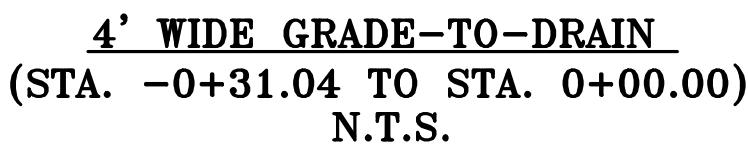
(P3) STA. 0+82.85
4' WIDE CONC. CHANNEL VPI
BEGIN 5' WIDE TO 43.50' WIDE
CHANNEL TRANSITION
TB=1141.90
E CHANNEL=1138.71

(P4) STA. 1+31.70
END 5' WIDE TO 43.50' WIDE CHANNEL TRANSITION
END 43.50' WIDE CHANNEL
BEGIN 43.50' WIDE WEIR
TB=1146.42
E WEIR=1143.60

(P5) STA. 1+43.70
43.50' WIDE CONC. WEIR VPI
TB=1148.00
E WEIR=1144.20

(P6) STA. 1+47.70
43.50' WIDE CONC. WEIR VPI
BEGIN 3' TO 0' VERTICAL TRANSITION
TB=1148.00
E WEIR=1144.40

(P7) STA. 1+59.70
END 43.50' WIDE CONC. WEIR
END 3' TO 0' VERTICAL TRANSITION
CONST. (1) 3' CUT-OFF WALL
MEET & MATCH EXISTING POND
NORMAL WATER SURFACE ELEVATION
E WEIR=1145.00



43.50' WIDE CONC. CHANNEL
@ POINT P4
N.T.S.



CONC. OUTLET STRUCTURE
@ POINTS P6 & P7
 N.T.S.



Key Plan

[illegible]

PROJECT NO: 21618600

ISSUE DATE: 01/09/23
CONTACT: Kendall Dillor

QC by: MARK LOVE
QC Date: 07/12/22

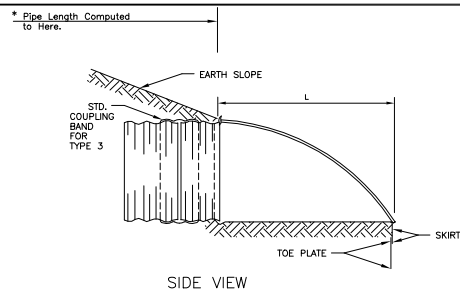
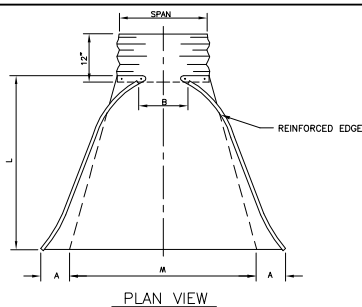
ISSUED

CONSTRU

© 2023 Crafton, Tull & Associates, Inc.

EROSION CONTROL PLAN

SCISSORTAIL CROSSING
Page 24 of 24

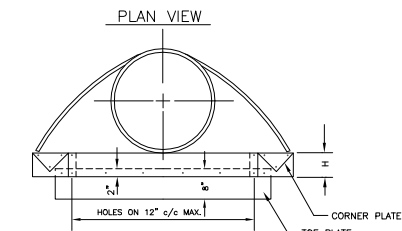


DIMENSIONS OF END SECTION FOR ROUND METAL PIPE									
DIA.	GA.	A ± 1	B (Max.)	H ± 1	L ± 1/2	W ± 2	APPROX. SLOPE	BODY	
IN.	IN.	IN.	IN.	IN.	IN.	IN.		IN.	PC.
18	16	8	10	6	31	36	2 1/2 : 1	1	
24	16	10	13	6	41	48	2 1/2 : 1	1	
30	14	12	16	8	51	60	2 1/2 : 1	1	
36	14	14	19	9	60	72	2 1/2 : 1	2	
42	12	16	22	11	69	84	2 1/2 : 1	2	
48	12	18	27	12	78	90	2 1/4 : 1	2	

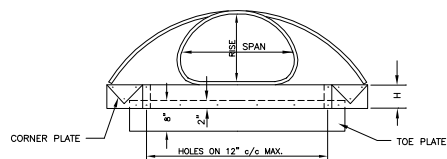
NOTE:

When Pre-fabricated End Sections are optional, they shall be of the same material as that of the pipe on which they are installed.

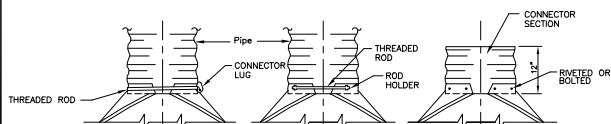
Any Structural Excavation required for installation of Pre-fabricated End Sections shall be included in the Price Bid for other items of work.



ROUND METAL PIPE END SECTION



ARCH METAL PIPE END SECTION



TYPE 1
For 12" Thru 24" only

TYPE 2
For 30" & 36" Round Pipe
And 11"x18" Thru 58"x36"
Arch Pipe.

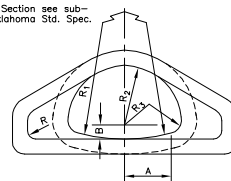
TYPE 3
For 42" Thru 84" Round Pipe &
65"x40" Thru 85"x54" Arch Pipe.

TYPICAL METAL END SECTION CONNECTIONS

* If Type 3 End Section is used as optional pipe, the length of pipe is to be reduced by 12" for each end section.

For Materials of Alum. Alloy End Section, see sub-section 726.05 of the current Oklahoma Std. Spec.

For Materials of Galv. Metal End Section see sub-section 726.17 of the current Oklahoma Std. Spec.

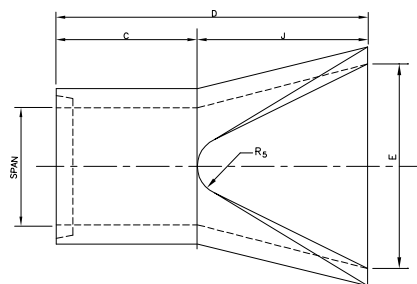


ARCH CONC. PIPE END SECTION

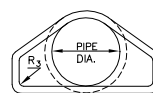
BASIS OF PAYMENT

When used as Optional End Section between Galv. Metal, Alum. Alloy & Conc., the Basis of Payment shall be:

Sp. Prefabricated Culvert End Section - Round EA.
Sp. Prefabricated Culvert End Section - Arch EA.

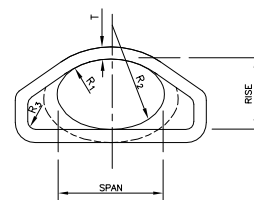


PLAN VIEW



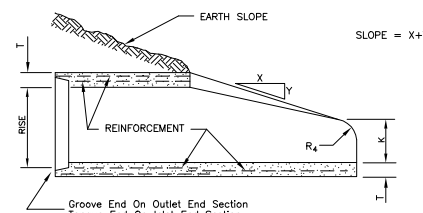
END VIEW

ROUND CONC. PIPE END SECTION



END VIEW

ELLIPTICAL CONC. PIPE END SECTION



LONGITUDINAL SECTION

DIMENSIONS OF PRECAST END SECTION FOR ROUND PIPES												
DIA.	K	J	C	D	E	T	R ₃	R ₄	R ₅	SLOPE		
IN.	IN.	IN.	IN.	IN.	IN.	IN.	IN.	IN.	IN.	IN.	IN.	IN.
18	9	27	46	73	36	2 1/2	3	3	6	3	TO 1	
24	8 1/2	43 1/2	30	73 1/2	48	3	3	3	7	3	TO 1	
30	12	54	19 3/4	73 3/4	60	3 1/2	3	3	8	3	TO 1	
36	15	63	34 3/4	73 3/4	72	4	3	3	10 1/2	3	TO 1	
42	21	63	35	98	78	4 1/2	3	3	10 1/2	3	TO 1	
48	24	72	26	98	84	5	6	6	14	3	TO 1	

DIMENSIONS OF PRECAST END SECTION FOR ELLIPTICAL PIPES													
SPAN	RISE	R ₁	R ₂	R ₃	R ₄	R ₅	T	K	J	C	D	E	SLOPE
IN.	IN.	IN.	IN.	IN.	IN.	IN.	IN.	IN.	IN.	IN.	IN.	IN.	IN.
23	14	6	20	3	3	6	2 1/4	8	27	45	72	36	3 TO 1
30	19	8 1/4	26 1/4	3	3	7	3 1/4	8 1/2	39	33	72	48	3 TO 1
34	22	9 1/4	29 1/4	3	3	8	3 1/2	9	46	28	72	54	3 TO 1
38	24	10 1/4	32 1/4	3	3	9	3 3/4	9 1/2	54	18	72	60	3 TO 1
42	27	11 1/4	36 1/4	3	3	10 1/2	3 3/4	10 3/4	57	15	72	66	3 TO 1
45	29	12 1/4	39 1/4	3	3	12	4 1/2	11 1/4	60	36	96	72	3 TO 1
49	32	13 1/4	42 1/4	3	3	12 1/2	4 3/4	12	60	36	96	75	3 TO 1
53	34	14 1/4	46	6	6	13	5	15 1/4	60	36	96	78	3 TO 1
60	38	16 1/2	51 1/2	6	6	14	5 1/2	21	60	36	96	84	3 TO 1
66	43	18 1/2	58 1/2	6	6	16	6	25 1/2	60	36	96	90	3 TO 1

NOTE: Dimensions shown for Precast End Sections are subject to Manufacturers Tolerances.

DIMENSIONS OF PRECAST END SECTION FOR ARCH-PIPES													
SPAN	RISE	A	B	R	R	R	R	R	T	K	J	C	D
IN.	IN.	IN.	IN.	IN.	IN.	IN.	IN.	IN.	IN.	IN.	IN.	IN.	IN.
28 1/2	18	10 1/4	3 1/2	3	40 11/16	14 1/4	4 3/8	3	7	3 1/2	8 1/2	39	33
36 1/2	22 1/2	13 3/8	3 13/16	3	51	18 1/4	6 1/8	3	8	4	9 1/2	50	46
43 3/4	26 3/8	17 1/8	4 1/8	6	62	22 1/2	6 1/2	3	10 1/2	4 1/2	11 1/8	60	36
51 1/8	31 3/16	20	5 1/16	6	73	26 1/4	7 3/4	3	12 1/2	4 1/2	15 3/16	60	36
58 1/2	36	22 3/4	6	6	84	30	8 1/8	3	14	5	21	60	36
65	40	25	6 1/2	6	92 1/2	33 1/2	10	6	16	5 1/2	25 1/2	60	36
73	45	28 1/2	7 1/2	6	105	37 1/2	11 1/16	6	6	31	60	36	96

BASIS OF PAYMENT

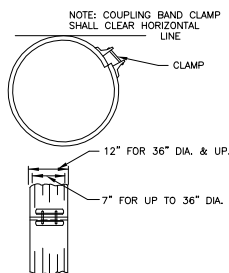
Precast Conc. Culvert End Section - Round EA.
Precast Conc. Culvert End Section - Elliptical EA.
Precast Conc. Culvert End Section - Arch EA.

(1.) If Elliptical Conc. Pipe is used, the Elliptical Conc. End Section shall be used.

END SECTIONS FOR CONC. PIPE

END SECTIONS FOR METAL PIPE

STANDARD COUPLING BAND



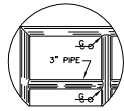
Toe Plates will be required on all Metal End Sections unless solid rock is encountered. Holes in Toe Plate to be punched to match holes in skirt lip, 3/8" bolts to be furnished. Length of Toe Plates for Round Pipe End Sections is W+10" for 12" to 30" dia. pipe, W+22" for 36" to 48" dia. pipe. Length of Toe Plate for Arch Pipe End Sections is W+10" for a rise of 11" to 27" and W+18" for a rise of 31" to 44".

Connector Section, Corner Plate, and Toe Plate to be same gauge & material as the skirt and shall be included in price bid for End Sec.

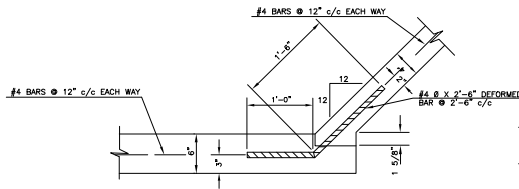
CITY OF CHICKASHA
COMMUNITY PLANNING & DEVELOPMENT

STANDARD PREFABRICATED
CULVERT END SECTIONS

APPROVED BY: _____ DATE: _____ DRAWN: _____ DATE: _____ DWG. NO. D-408

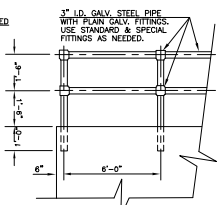


CONCRETE CHANNEL LINER JOINT DETAIL

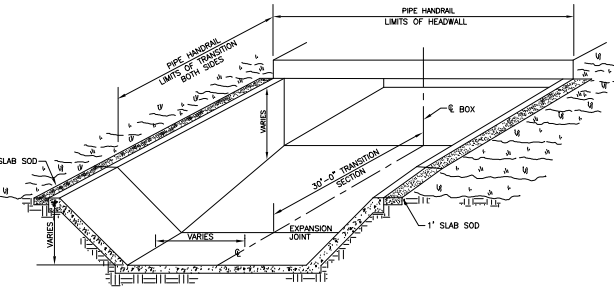


LONGITUDINAL CONSTRUCTION JOINT
FOR 6" BOTTOM & 4" SIDE WALLS
4" WALLS FOR DEPTHS OF 0' TO 5'

ALTERNATE DETAIL
(USING WELDED CONNECTIONS ON PIPE HANDRAIL)

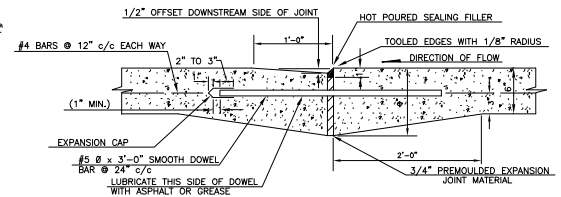


PIPE HANDRAIL DETAIL



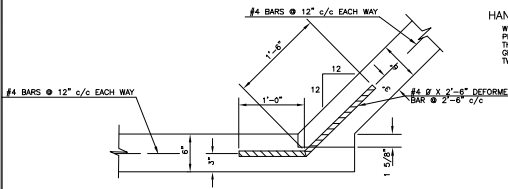
ELEVATION OF CONCRETE CHANNEL LINER
30' TRANSITION TO R.C. BOXES
VERTICAL TO 1:1 SIDESLOPE

CONCRETE CHANNEL LINER JOINT DETAIL



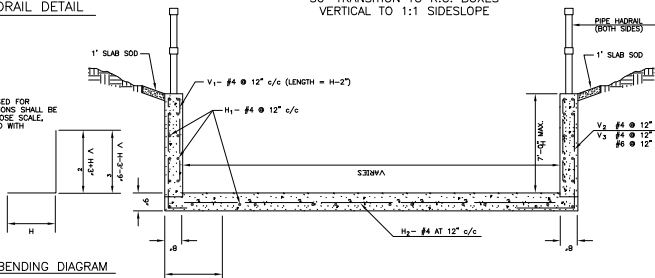
TYPICAL TRANSVERSE EXPANSION JOINT
SPACED AT 100 FOOT C/C MAX.

CONCRETE CHANNEL LINER JOINT DETAIL



LONGITUDINAL CONSTRUCTION JOINT
FOR 6" BOTTOM & 6" SIDE WALLS
6" WALLS FOR DEPTHS ABOVE 5'

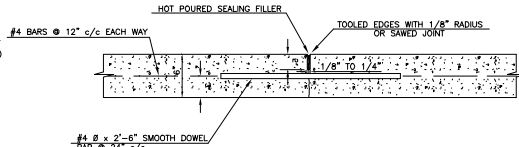
HANDRAIL NOTES:
WELDED CONNECTIONS MAY BE USED FOR
PIPE HANDRAIL. WELDED CONNECTIONS SHALL BE
THOROUGHLY CLEANED OF ALL LOOSE SCALE,
GROUND SMOOTH & SPOT PAINTED WITH
TWO COATS OF ALUMINUM PAINT.



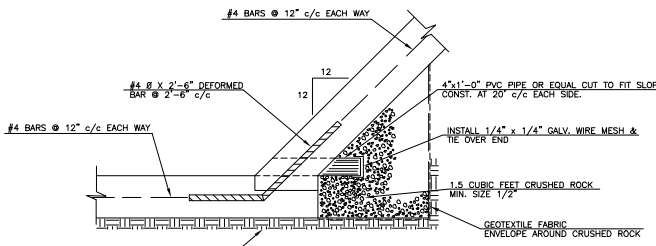
BAR BENDING DIAGRAM

TYPICAL THROUGH TRANSITION SECTION
DOT TYPE B-C RETAINING WALL SECTION (MODIFIED)

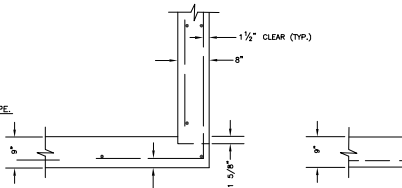
CONCRETE CHANNEL LINER JOINT DETAIL



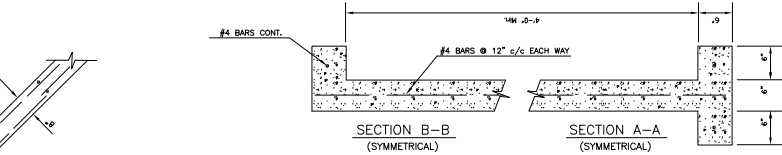
TRANSVERSE DUMMY GROOVE CONTRACTION JOINT
SPACED AT 20 FOOT C/C



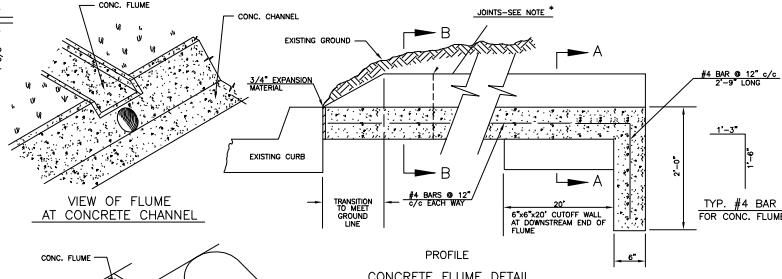
CONCRETE CHANNEL WEEP HOLE DETAIL



LONGITUDINAL CONSTRUCTION JOINT
THROUGH TRANSITION SECTION

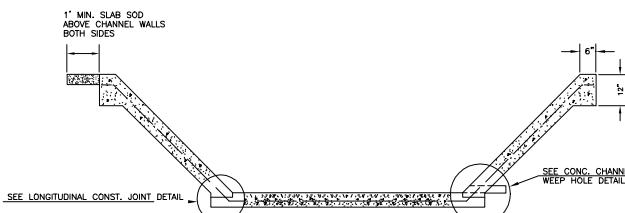


SECTION A-A (SYMMETRICAL)
SECTION B-B (SYMMETRICAL)

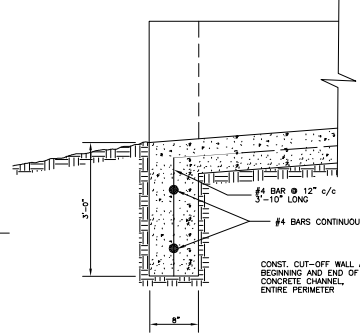


PROFILE
CONCRETE FLUME DETAIL

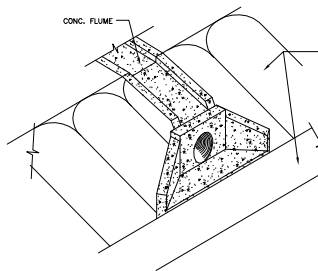
* NOTE: 3/4" EXPANSION JOINT @ 100' MAX.
SAVED CONT. JOINT @ 20' MAX.



CONCRETE CHANNEL LINER DETAIL

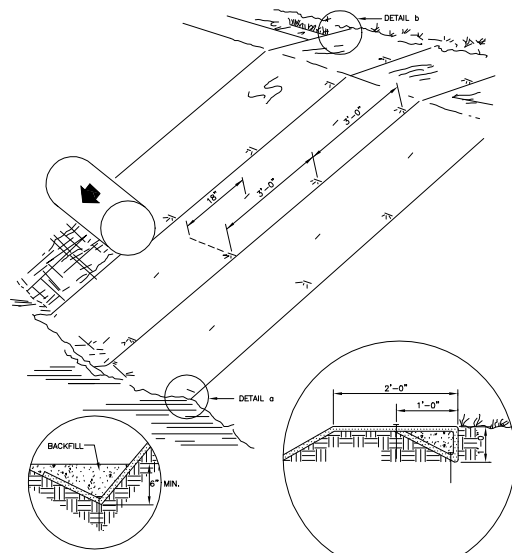


CUT-OFF WALL DETAIL



VIEW OF FLUME
AT EARTH CHANNEL

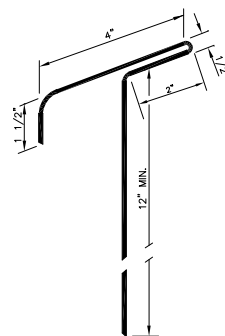
CITY OF CHICKASHA COMMUNITY PLANNING & DEVELOPMENT			
STANDARD CHANNEL LINER & FLUME DETAILS			
APPROVED BY: _____	DATE: _____	DRAWN: _____	DATE: _____
			DWG. NO. D-501



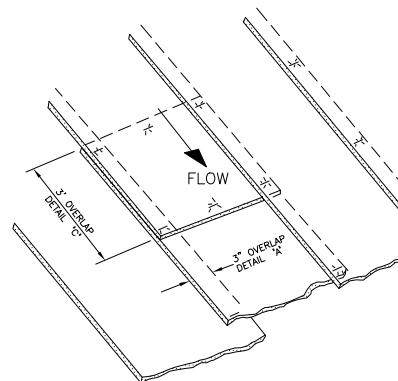
(a) TOE
MAINTAIN SLOPE ANGLE
INTO TOE TRENCH

TYPICAL SLOPE INSTALLATION

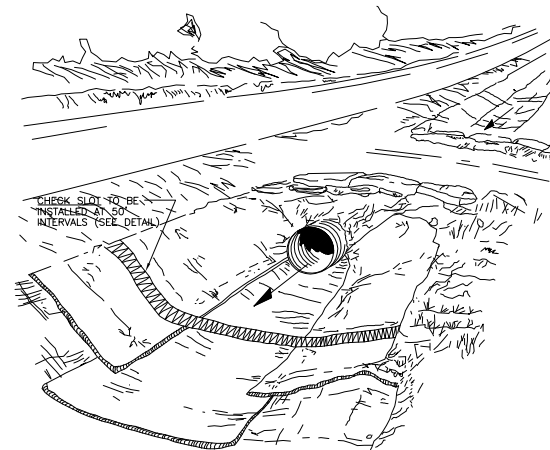
(b) BERM
TRENCH INTO BERM AND PROGRESS
DOWNSLOPE



'T' STAPLE DETAIL



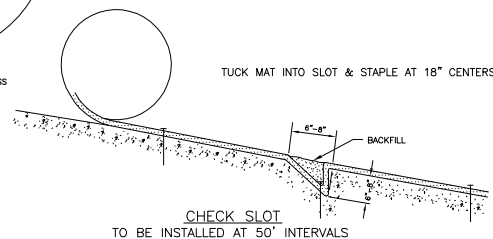
TYPICAL ROLL TERMINAL STAKING PATTERN



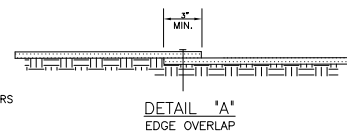
TYPICAL DITCH INSTALLATION

SLOPES:

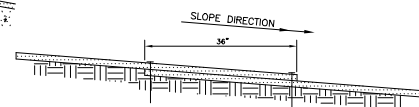
1. WHEN PLACING MAT ON SLOPES, THE TOP END SHALL BE BURIED AT LEAST 12 INCHES VERTICALLY IN AN UPPER ANCHOR SLOT AND THE BOTTOM END SHALL BE BURIED AT LEAST 6 INCHES IN THE LOWER ANCHOR SLOT. THE MAT SHALL BE SECURED IN THE ANCHOR SLOTS BY STAPLES, PRIOR TO BACKFILLING THE SLOT. THE BACKFILL SOIL SHALL BE FIRMLY COMPACTED IN THE ANCHOR SLOTS. LOWER ANCHOR SLOT (DETAIL B) WILL BE USED WHEN THE DITCH IS LINED WITH CONCRETE OR OTHER TYPE OF MATERIALS.
2. THE MAT SHALL BE INSTALLED IN A MANNER THAT WILL ALLOW THE DOWNGRADE EDGE TO OVERLAP THE PREVIOUSLY LAID STRIP. LAP JOINTS OF 3 INCHES SHALL BE USED.



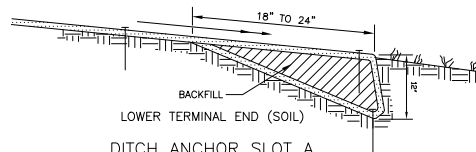
CHECK SLOT
TO BE INSTALLED AT 50' INTERVALS



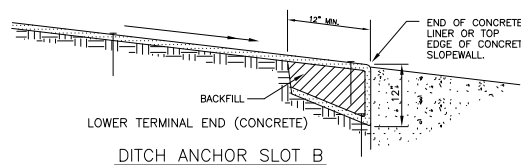
DETAIL 'A'
EDGE OVERLAP



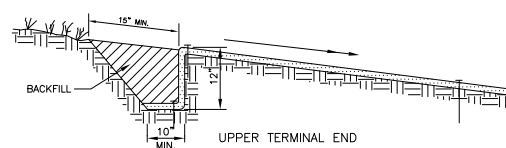
DETAIL 'C'
END OF ROLL OVERLAP



DITCH ANCHOR SLOT A



DITCH ANCHOR SLOT B

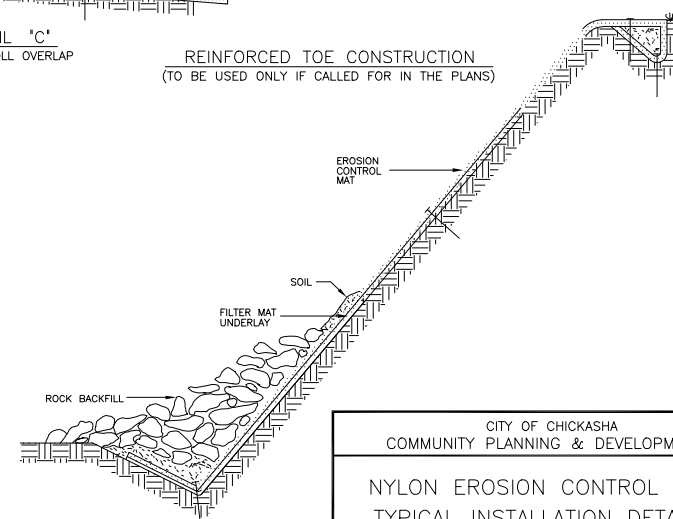


DITCH ANCHOR SLOT C

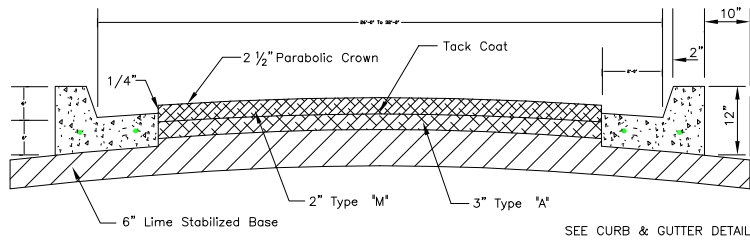
GENERAL NOTES

1. SITE PREPARATION - WHETHER SLOPE OR CHANNEL, SITE MUST BE SHAPED TO DESIGN SPECIFICATIONS AND THEN DRESSED TO BE FREE OF SOIL CLODS, CLUMPS, ROCKS, OR VEHICLE IMPRINTS OF ANY SIGNIFICANT SIZE THAT WOULD PREVENT THE MAT FROM LYING FLUSH TO SURFACE CONTOURS.
2. END OF ROLL. THE ENDS OF THE ROLL OF MAT SHALL OVERLAP 36 INCHES WITH THE UPSLOPE END ON TOP.
3. STAPLING. THE NORMAL SPACING FOR STAPLING SHALL BE 36 INCHES ALONG THE EDGE LAP JOINT AND DOWN THE CENTER OF EACH WIDTH OF MAT. THE CENTER STAPLES SHOULD BE OFFSET 18 INCHES FROM THE EDGE STAPLES. THE MAT SHALL BE STAPLED ACROSS THE WIDTH, IN ANCHOR SLOTS, IN CHECK SLOTS AND END OVERLAPS ON 18 INCH CENTERS.
4. FASTENERS. "T" SHAPED STAPLES. STAPLES SHALL BE MADE FROM A CONTINUOUS SINGLE STRAND OF NO. 8 GAUGE WIRE. THE "T" SHALL BE 4 INCHES ACROSS WITH ONE END BENT DOWNWARD 1 1/2 INCHES TO PREVENT TURNING. THE STAPLE SHALL BE 12 INCHES LONG. SEE STANDARD DETAIL.
5. THE MATERIAL TYPICALLY SHOWN ON THIS DETAIL SHALL BE EQUAL TO 'ENKAMAT 7020' OR AS SPECIFIED UNDER O.D.D.T. SPECIAL PROVISION 228-1(a-b) PARAGRAPH 228.02, MATERIALS, SUBPARAGRAPH 1.1 THRU 1.3.
6. THIS CONSTRUCTION DETAIL IS NOT INTENDED FOR USE IN LIEU OF CONCRETE LINING OR OTHER STANDARD CONSTRUCTION TECHNIQUES, BUT SHALL BE USED ONLY IN THE CASE WHERE THIS TYPE EROSION PROTECTION IS CALLED FOR ON THE APPROVED PLANS.
7. THIS DETAIL MAY BE USED AS A GENERAL GUIDE TO CONSTRUCTION AND PLACEMENT OF OTHER TYPES OF ROLLED STRIP EROSION CONTROL MATERIALS AS NOTED AND CALLED FOR ON THE APPROVED PLANS.

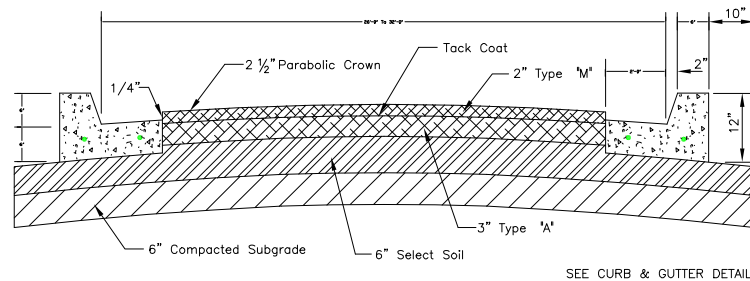
REINFORCED TOE CONSTRUCTION
(TO BE USED ONLY IF CALLED FOR IN THE PLANS)



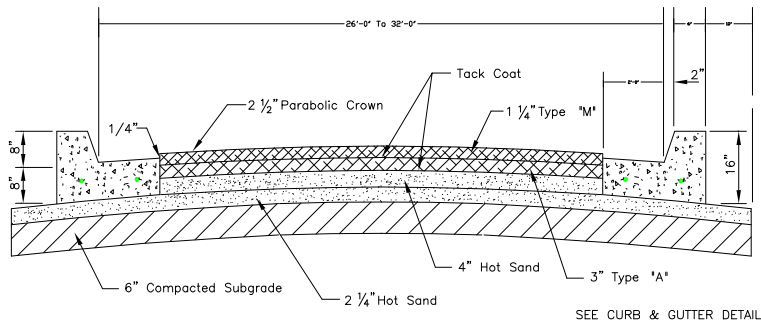
CITY OF CHICKASHA COMMUNITY PLANNING & DEVELOPMENT			
NYLON EROSION CONTROL MAT TYPICAL INSTALLATION DETAILS			
APPROVED BY:	DATE:	DRAWN:	DATE:
			DWG. NO. D-502



· TYPICAL SECTION ·
26' 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

[illegible]

1.	6" PVC SLEEVE	L.F.	48	

1.	TEMP. CONSTRUCTION DRIVE	L.S.	1	
2.	SILT FENCE	L.F.	2295	
3.	18" SLAB SOD ALONG ALL CURBS & FLUMES	S.Y.	790	
4.	SOD ALONG SLOPES GREATER THAN 5:1	S.Y.	3177	
5.	ROCK BAG BARRIERS	EA.	3	
6.	CONCRETE WASHOUT	EA.	1	

Page 30 of 48

OWNER'S CERTIFICATE AND DEDICATION

KNOW ALL MEN BY THESE PRESENTS: That EP Leasing, 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.

EP Leasing, LLC

Daniel Remington, 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 Daniel Remington, 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 the Northwest Quarter (NW/4) of Section Five (5), Township Six North (T6N), Range Seven West (R7W) of the Indian Meridian (I.M.), Chickasha, Grading County, Oklahoma, more particularly described by metes and bounds as follows:

COMMENCING at the Northwest corner of said NW/4; thence S00°03'38"W along said West line a distance of 468.34 feet to the POINT OF BEGINNING; thence

S89°58'33"E a distance of 246.62 feet; thence
N58°23'01"E a distance of 241.42 feet; thence
N89°57'43"E a distance of 871.98 feet; thence
S00°13'17"W a distance of 59.78 feet; thence
S46°22'05"W a distance of 1327.32 feet; thence
S89°50'58"W a distance of 364.17 feet to a point on the West line of said NW/4; thence
N00°03'38"E along said West line a distance of 849.58 feet to the POINT OF BEGINNING.

Said tract contains 807,630 Sq Ft or 18.54 Acres, more or less.

LAND SURVEYOR'S CERTIFICATE

I, JEREMY A. LAWSON, 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.

JEREMY A. LAWSON, LPLS 1916

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 JEREMY A. LAWSON, 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

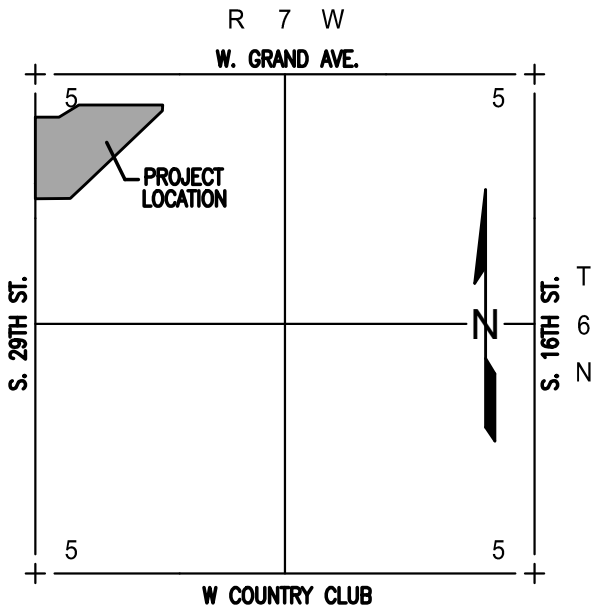
NOTARY PUBLIC, #03005138

CITY PLANNING COMMISSION APPROVAL

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

PLANNING DIRECTOR

FINAL PLAT
OF
SCISSORTAIL CROSSING
A PART OF THE NW/4 OF SECTION 5, T6N, R7W, I.M.
CHICKASHA, GRADY COUNTY, OKLAHOMA



LOCATION MAP
SCALE: 1" = 2000'

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 EP Leasing, 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 _____, _____.
WARRANTY TITLE & 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 _____, 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 _____, _____.
CITY CLERK MAYOR

ATTEST:

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 installments 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

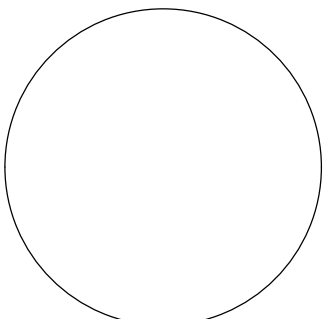
Any addresses shown on this plat were accurate at the time this plat was filed. Addresses are subject to change and should never be relied upon in place of legal description.

NOTES

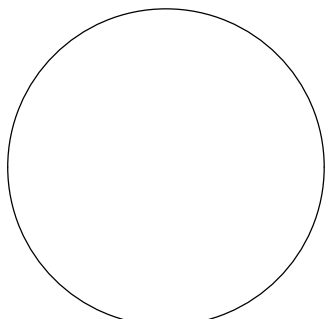
- This plat of survey meets the Oklahoma Minimum Standards for the Practice of Land Surveying as adopted by the Oklahoma State Board of Licensure for Professional Engineers and Land Surveyors and that said Final Plat complies with the requirements of Title 11, Section 41-108 of the Oklahoma State Statutes.
- 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"
- Maintenance of the Common Areas and Islands/Medians in Public Rights-of-Way shall be the responsibility of the Property Owners and/or Property Owners Association. No structures, storage of material, grading, fill, or other obstructions, either temporary or permanent shall be placed within the drainage related common areas and/or drainage areas shown. Certain amenities such as, but not limited to, walks, benches, piers, and docks, shall be permitted if installed in a manner to meet the requirements specified above.
- A sidewalk is required on each lot where it abuts a local and/or a collector street. The sidewalk is required at the Building Permit Stage and must be installed prior to the issuance of a Certificate of Occupancy from the City of Oklahoma City for the applicable lot.
- Two 1½ inch caliper trees, or one 3-inch caliper tree, shall be planted in the front yard of all lots where the garage extends beyond the front wall of a residence, towards the street Right-of-Way.



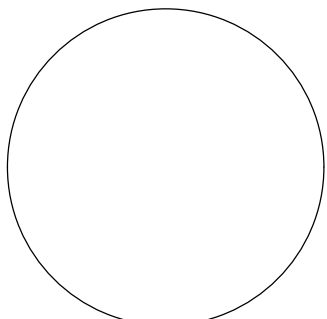
Owner's Notary Seal



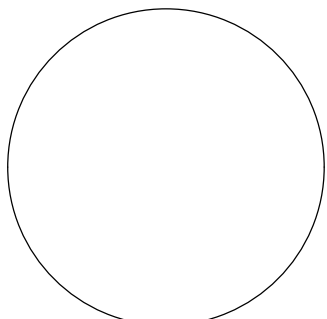
County Treasurer's Seal



Bonded Abstractor's Seal



City CORPORATE Seal



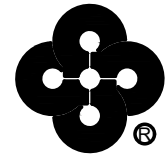
City Clerk Seal



Land Surveyor's Seal



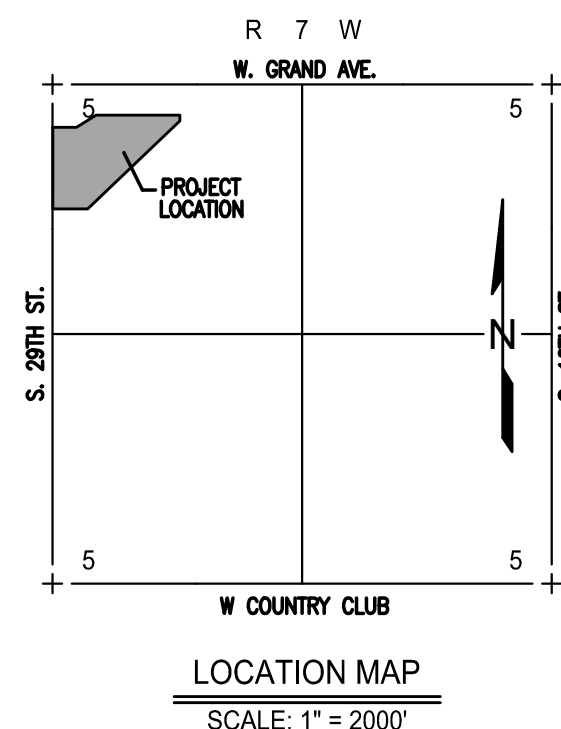
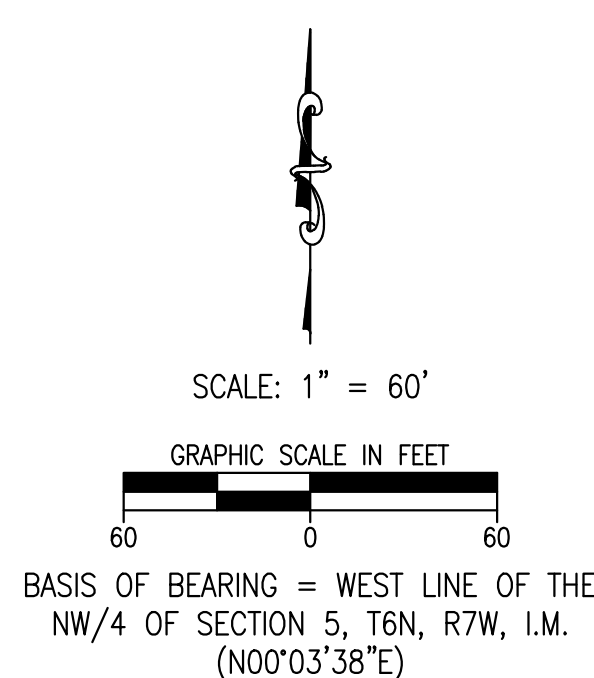
Surveyor's Notary Seal



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

CERTIFICATE OF AUTHORIZATION
CA 973 (PESS) EXPIRES 6/30/2024

SHEET NO.: 1 OF 2
DATE: 01/13/23
PROJECT NO.: 21618600



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
(NR)	NONRADIAL LINE
L.N.A.	LIMITS OF NO ACCESS
C/A	COMMON AREA
(ESMT.)	EASEMENT

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.

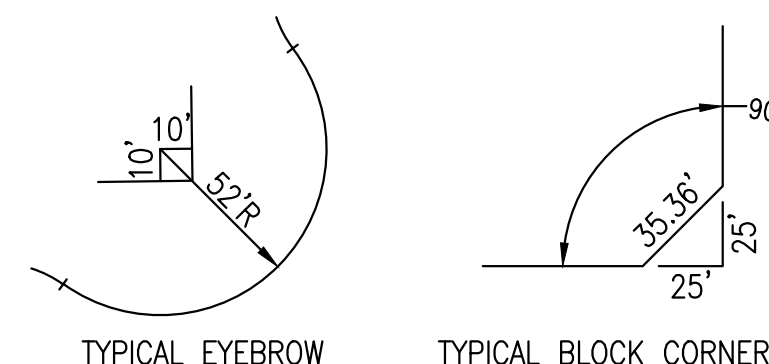
NOTES

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. Maintenance of the Common Areas and Islands/Medians in Public Rights-of-Way shall be the responsibility of the Property Owners and/or Property Owners Association. No structures, storage of material, grading, fill, or other obstructions, either temporary or permanent shall be placed within the drainage related common areas and/or drainage areas shown. Certain amenities such as, but not limited to, walkways, benches, fountains, and docks, shall be permitted if installed in a manner to meet the requirements specified above.
4. A sidewalk is required on each lot where it abuts a local and/or a collector street. The sidewalk is required at the Building Permit Stage and must be installed prior to the issuance of a Certificate of Occupancy from the City of Oklahoma City for the applicable lot.
5. Two 1 1/2 inch caliper trees, or one 3-inch caliper tree, shall be planted in the front yard of all lots where the garage extends beyond the front wall of a residence, towards the street Right-of-Way.

LINE TABLE		
LINE #	LENGTH	DIRECTION
L1	25.00'	N33° 43' 07"W
L2	27.00'	N00° 03' 38"E
L3	35.36'	S44° 56' 22"W
L4	35.36'	S45° 03' 38"E
L5	35.36'	S45° 03' 38"W
L6	35.36'	S44° 56' 22"E
L7	35.36'	S45° 03' 38"W
L8	35.36'	S44° 56' 22"E
L9	34.65'	S70° 58' 29"E
L10	38.52'	N11° 11' 42"E
L11	90.00'	N09° 10' 28"W
L12	38.59'	N12° 56' 22"W
L13	25.00'	S12° 07' 56"W
L14	15.00'	S02° 44' 50"E
L15	15.00'	S89° 56' 22"E

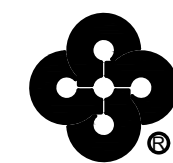
CURVE TABLE					
CURVE #	LENGTH	RADIUS	DELTA	CHORD DIRECTION	CHORD LENGTH
C1	22.25'	35.00'	0.3625'43"	N18° 09' 13"W	21.88'
C2	142.80'	52.00'	162°51'26"	S45° 03' 38"W	102.84'
C3	22.25'	35.00'	0.3625'43"	S71° 43' 30"E	21.88'
C4	188.26'	275.00'	0.3925'58"	N70° 20' 39"E	185.55'
C5	206.47'	300.00'	0.3925'58"	N70° 20' 39"E	202.42'
C6	141.58'	325.00'	0.2457'33"	N77° 34' 52"E	140.46'
C7	86.03'	125.00'	0.3925'58"	S70° 20' 39"W	84.34'
C8	68.82'	100.00'	0.3925'58"	S70° 20' 39"W	67.47'
C9	51.62'	75.00'	0.3925'58"	S70° 20' 39"W	50.60'
C10	224.81'	52.00'	247°42'33"	N33° 54' 54"E	86.37'
C11	41.36'	35.00'	067°42'33"	N56° 05' 06"W	39.00'
C12	22.25'	35.00'	0.3625'43"	N18° 16' 30"E	21.88'
C13	142.80'	52.00'	162°51'26"	S44° 56' 22"E	102.84'
C14	22.25'	35.00'	0.3625'43"	S71° 50' 47"W	21.88'
C15	67.23'	88.16'	0.4341'33"	N68° 12' 52"E	65.61'

CURVE TABLE					
CURVE #	LENGTH	RADIUS	DELTA	CHORD DIRECTION	CHORD LENGTH
C16	86.29'	113.16'	04°34'13"	N68° 12' 52"E	84.21'
C17	105.35'	138.16'	04°34'13"	N68° 12' 52"E	102.82'
C18	60.62'	75.00'	04°18'27"	N23° 12' 52"E	58.98'
C19	80.82'	100.00'	04°18'27"	N23° 12' 52"E	78.64'
C20	101.03'	125.00'	04°18'27"	N23° 12' 52"E	98.30'
C21	20.06'	75.00'	01°51'39"	N07° 36' 11"W	20.00'
C22	58.96'	100.00'	03°34'46"	N16° 49' 45"W	58.11'
C23	49.62'	125.00'	02°24'43"	N11° 48' 36"W	49.29'



FINAL PLAT
SCISSORTAIL CROSSING

300 Pointe Parkway Blvd.
Yukon, Oklahoma 73089



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

SHEET NO.: 2 OF 2
DATE: 01/13/23
PROJECT NO.: 21618600

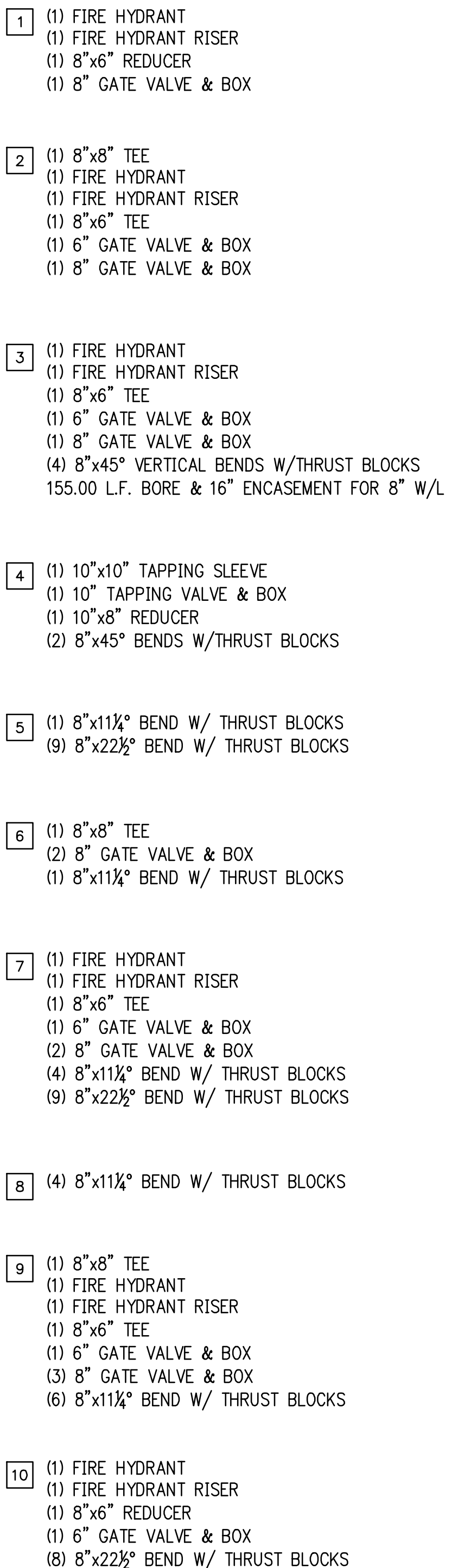


Key Plan

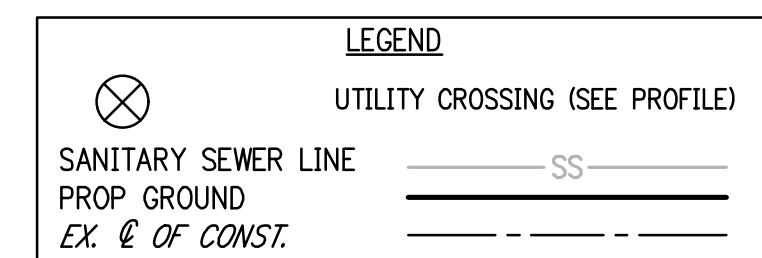
This document, and the ideas and designs incorporated herein, as an instrument of professional service, is the property of Crafton, Tull & Associates, Inc., and is not to be used, in whole or in part, for any other project, without the written authorization of Crafton, Tull & Associates, Inc.

ISSUED FOR
CONSTRUCTION

C-103

SCISSORTAIL CROSSING
Page 33 of 33

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.



WATERLINE 1 PROFILE
CONST. 997.00 L.F. OF 8" W/L
CONST. 3.00 L.F. OF 6" W/L
 SCALE: HORIZ: 1" = 40'
 VERT: 1" = 4'



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.



- ### WATERLINE A PLAN


 UTILITY CROSSING (SEE PROFILE)

SANITARY SEWER LINE SS

PROP. GROUND

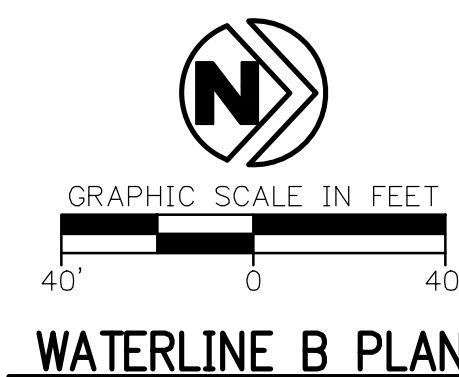
EX. & OF CONST.

SCISSORTAIL CROSSING
Page 35 of 35

Key Plan

© 2023 Crafton, Tull & Associates, Inc.

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.



Key Plan

[illegible]

This document, and the ideas and designs incorporated herein, as an instrument of professional service, is the property of Crafton, Tull & Associates, Inc., and is not to be used, in whole or in part, for any other project, without the written authorization of Crafton, Tull & Associates, Inc.

PROJECT NO: 21618600
ISSUE DATE: 01/09/23
CONTACT: Kendall Dillon
QC by: MARK LOVE
QC Date: 07/12/22

ISSUED FOR
CONSTRUCTION

© 2023 Crofton Tull & Associates, Inc.

WATER LINE B

C-203

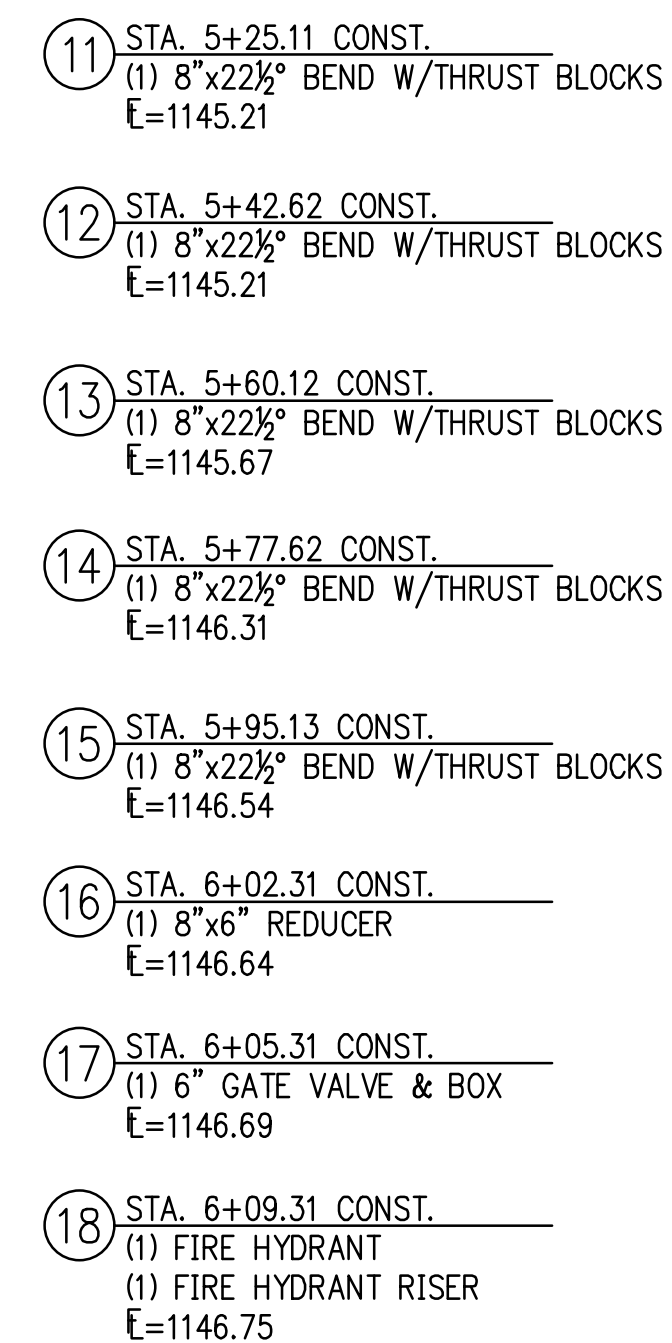
-
- WATERLINE C PLAN

- ① STA. 0+00.00 LINE C =
STA. 2+13.17 LINE D
(1) 8"x8" TEE
£=1150.56
- ② STA. 0+53.66 CONST.
(1) 8"x11½" BEND W/THRUST BLOCKS
£=1150.78
- ③ STA. 0+56.66 CONST.
(1) FIRE HYDRANT
(1) FIRE HYDRANT RISER
(1) 8"x6" TEE
(1) 6" GATE VALVE & BOX
£=1150.89
- ④ STA. 0+59.66 CONST.
(1) 8" GATE VALVE & BOX
£=1151.06
- ⑤ STA. 0+76.60 CONST.
(1) 8"x11½" BEND W/THRUST BLOCKS
£=1152.14
- ⑥ STA. 0+99.53 CONST.
(1) 8"x11½" BEND W/THRUST BLOCKS
£=1153.40
- ⑦ STA. 2+96.38 CONST.
(1) 8"x11½" BEND W/THRUST BLOCKS
£=1151.84


 UTILITY CROSSING (SEE PROFILE)
 SANITARY SEWER LINE ——— SS ———
 PROP. GROUND —————
 EX. @ OF CONST. — - - - -

SCISSORTAIL CROSSING
Page 37 of 48

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.



LEGEND

UTILITY CROSSING (SEE PROFILE)

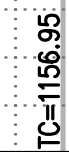
⊗

SANITARY SEWER LINE ——— SS ———

PROP GROUND —————

EX. & OF CONST. - - - - -

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



TC=1156.52

TC=1154.88
F=1150.03

TC=1152.99
F=1148.47

TC=1151.15	
E=1146.24	

E=1146.60

Key Plan

[illegible]

This document, and the ideas and designs incorporated herein, as an instrument of professional service, is the property of Crafton, Tull & Associates, Inc., and is not to be used, in whole or in part, for any other project, without the written authorization of Crafton, Tull & Associates, Inc.

PROJECT NO: 21618600
ISSUE DATE: 01/09/23
CONTACT: Kendall Dillon
QC by: MARK LOVE
QC Date: 07/12/22

ISSUED FOR
CONSTRUCTION

© 2023 Crofton, Tull & Associates, Inc.

WATER LINE D

C-205

DRAWING: G:\21616600\SCISSORFLY INFRAStructure\Civil\DWG:APP\WATER.DWG
LAYOUT: WLD LAST SAVED: GC714, 12/23/2022 8:46 AM
NOTED BY: DEEPA JAYARAMAN, 12/23/2022 8:46 AM. FOR NOTATION SEE ONLY M.F.D. ON MAP OF

Key Plan

This document, and the ideas and designs incorporated herein, as an instrument of professional service, is the property of Crafton, Tull & Associates, Inc., and is not to be used, in whole or in part, for any other project, without the written authorization of Crafton, Tull & Associates, Inc.

ISSUED FOR
CONSTRUCTION

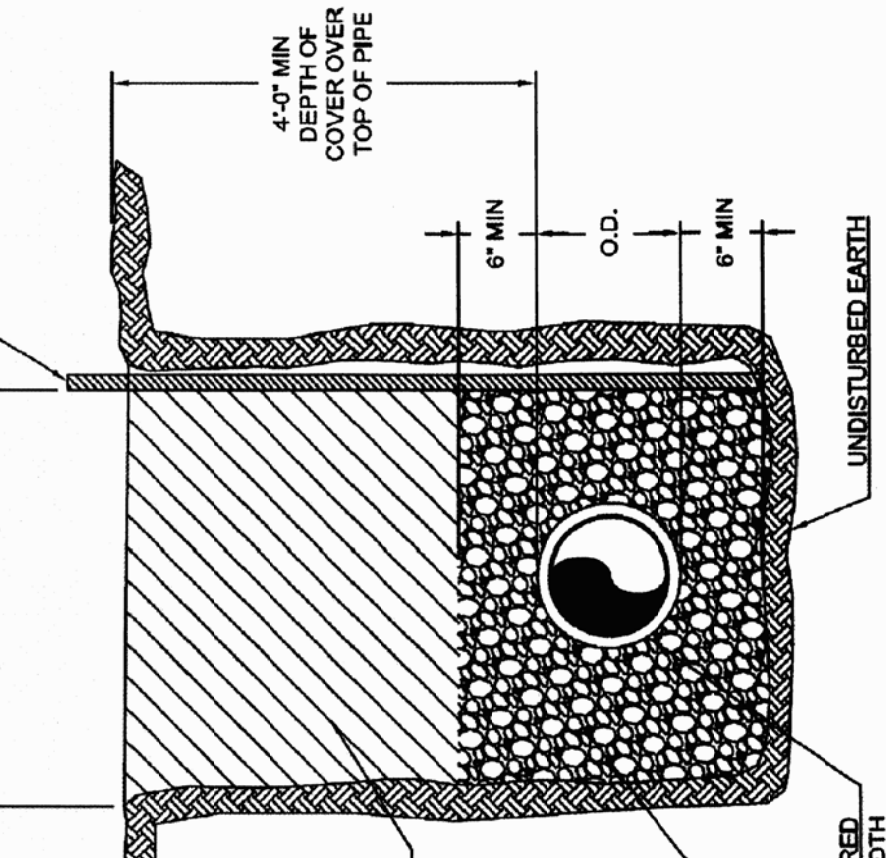
C-502



1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE TO APPLICABLE SECTIONS OF THE CODE OF ORDINANCES OF THE CITY OF CHICASHA.
2. PRIOR TO ANY CONSTRUCTION THE CONTRACTOR SHALL INSTALL THE SILT SCREENING, AS SHOWN OR ANY OTHER EROSION & SILTATION MEASURES NECESSARY TO STOP ANY SEDIMENT PRODUCED DURING SOIL DISTURBING ACTIVITIES.
3. DURING ALL SOIL DISTURBING ACTIVITIES, THE CONTRACTOR WILL TAKE APPROPRIATE STEPS USING ACCEPTED CONSTRUCTION METHODS TO MINIMIZE THE TIME OF EXPOSURE TO RAINFALL. PARTICULAR CARE MUST BE EXERCISED WHEN DEALING WITH STOCKPILES OF TOPSOIL OR FILL MATERIALS AND WITH SOIL ON SLOPES. THE CONTRACTOR WILL MAINTAIN A LOG OF THE DATES OF ALL MAJOR GRADING AND SILT DISTURBANCE ACTIVITIES AND OF THE INSTALLATION OF ALL MANAGEMENT PRACTICES OR CONTROL MEASURES.
4. FOLLOWING THE COMPLETION OF THE CONSTRUCTION ALL DISTURBED SOIL WILL BE RESTORED BY APPROPRIATE METHODS (i.e. SODDING, SPRIGGING AND/OR SEEDING OF GRASS) TAKING CARE TO STABILIZE SLOPES TO THEIR FINAL GRADE. ALL TEMPORARY CONTROL MEASURES WILL BE REMOVED.
5. THE CONTRACTOR SHALL CONSTRUCT CONSTRUCTION ENTRANCES AT LOCATION SHOWN.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OR REPLACEMENT OF ALL EROSION CONTROL DEVICES DAMAGED DUE TO CONSTRUCTION.
7. THE CONTRACTOR SHALL COMPLY WITH ALL RULES, REGULATIONS AND/OR LAWS PERTAINING TO EROSION AND SILTATION CONTROL AS THEY APPLY TO THE PAVING AND DRAINAGE PROJECT.
8. A COPY OF THE EROSION CONTROL SITE PLAN MUST BE ON THE SITE AT ALL TIMES AND AVAILABLE TO THE INSPECTOR UPON REQUEST.
9. 18" SOD ALONG ALL CURB & GUTTER.

WATER STANDARD DETAIL

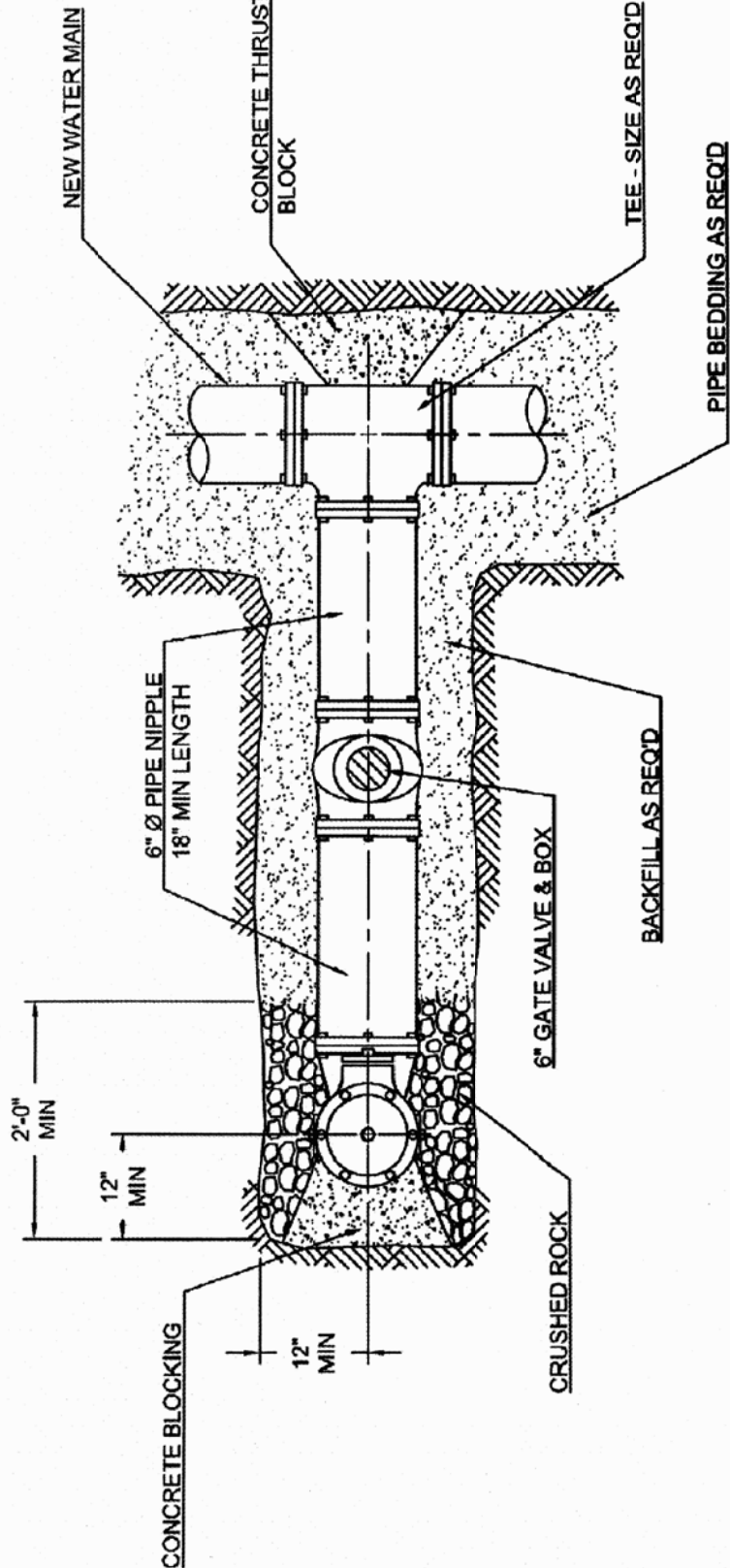
Pipe Nominal Size (Inches)	Minimum Trench Width (Feet)	Maximum Trench Width (Feet)
48	7.00	10.00
54	8.00	10.50
60	9.00	11.00
64	9.75	11.50
66	9.75	11.50
72	10.50	12.00
78	10.50	12.50
84	11.00	13.00
90	11.50	13.50



BEDDING & TRENCHING DETAILS - STEEL PIPE

06/13/14	APPROVED BY:	DATE:	W-04
DATE	ERIC J. WENGER, P.E., CITY ENGINEER	8/7/14	
OKLAHOMA CITY UTILITIES DEPARTMENT			

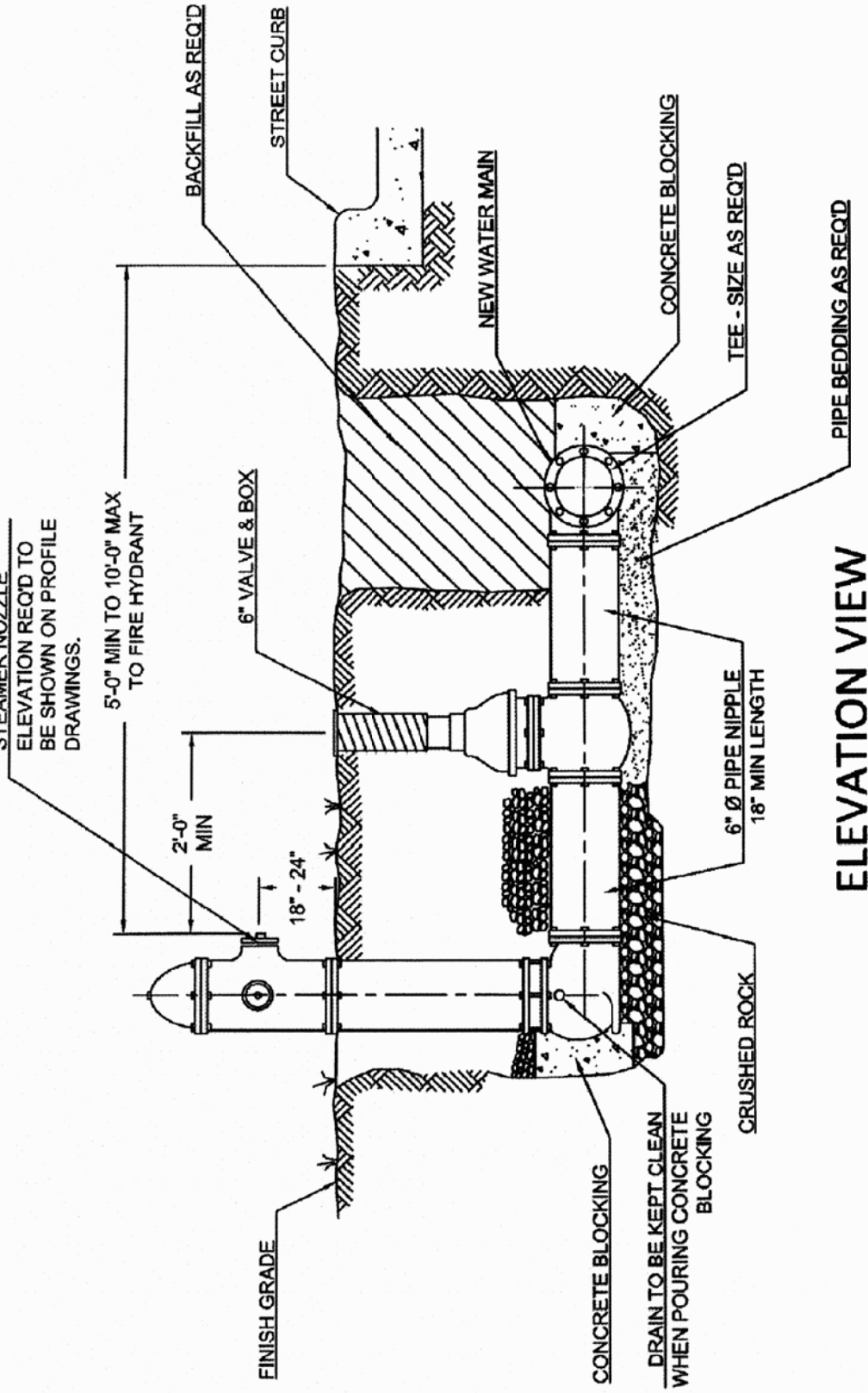
WATER STANDARD DETAIL



FIRE HYDRANT INSTALLATION ON NEW MAIN

06/13/14	APPROVED BY:	DATE:	W-05
DATE	ERIC J. WENGER, P.E., CITY ENGINEER	8/7/14	
OKLAHOMA CITY UTILITIES DEPARTMENT			

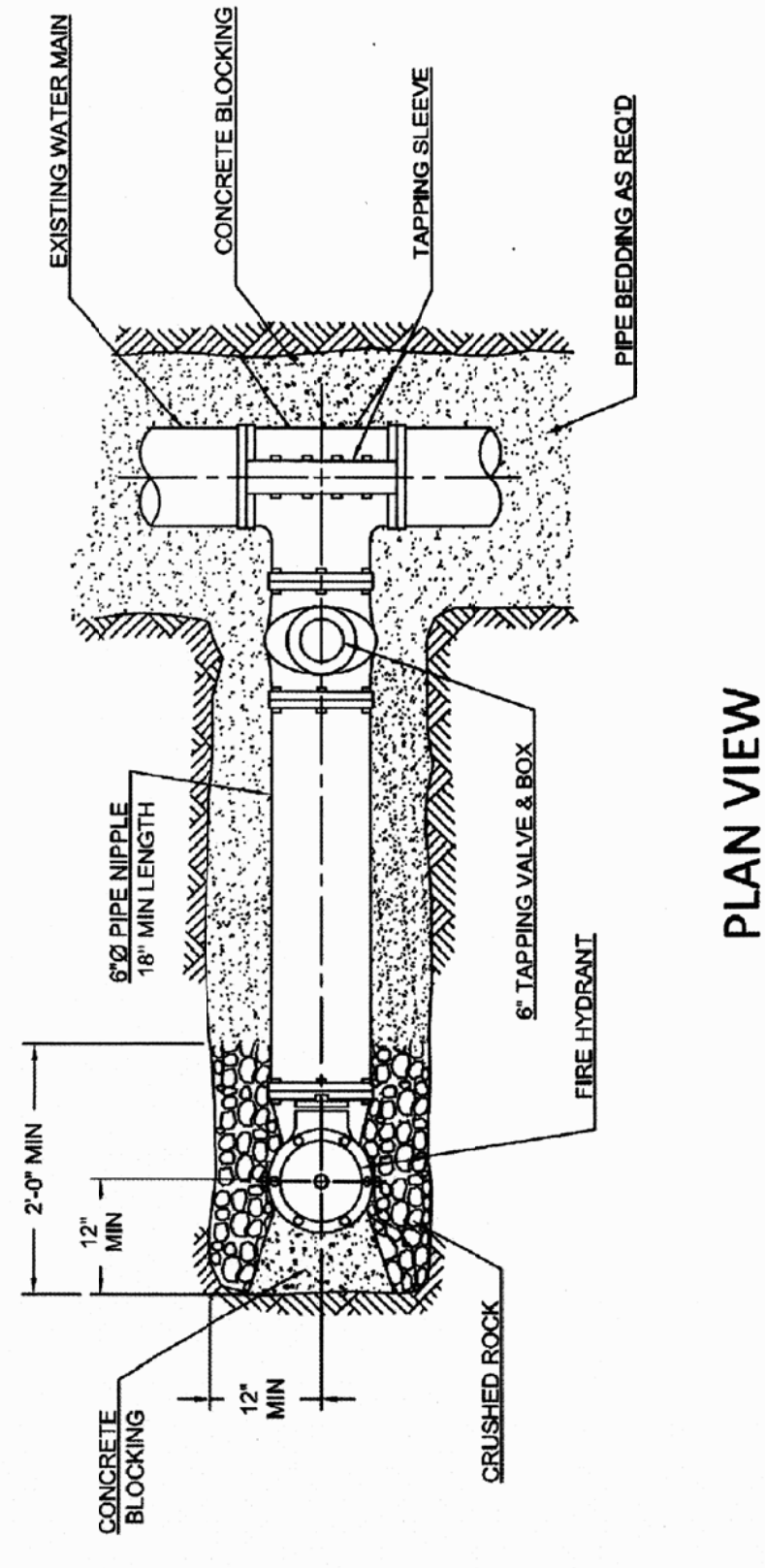
WATER STANDARD DETAIL



FIRE HYDRANT INSTALLATION ON NEW MAIN

06/13/14	APPROVED BY:	DATE:	W-06
DATE	ERIC J. WENGER, P.E., CITY ENGINEER	8/7/14	
OKLAHOMA CITY UTILITIES DEPARTMENT			

WATER STANDARD DETAIL



FIRE HYDRANT INSTALLATION ON EXISTING MAIN

06/13/14	APPROVED BY:	DATE:	W-07
DATE	ERIC J. WENGER, P.E., CITY ENGINEER	8/7/14	
OKLAHOMA CITY UTILITIES DEPARTMENT			

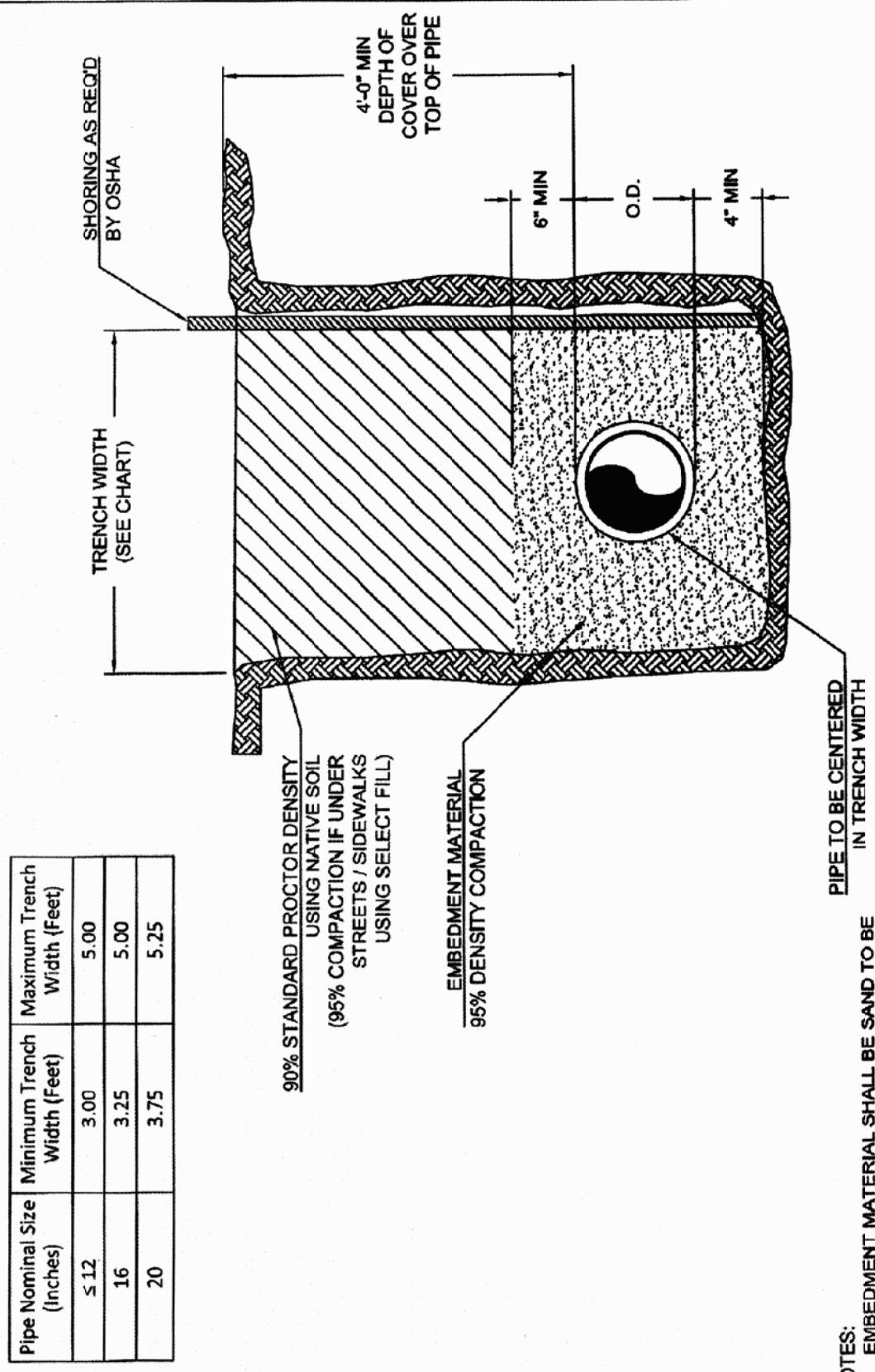
WATER STANDARD DETAIL

DRAWING NUMBER	ISSUED DATE
W-01	6/13/14
W-02	6/13/14
W-03	6/13/14
W-04	6/13/14
W-05	6/13/14
W-06	6/13/14
W-07	6/13/14
W-08	6/13/14
W-09	6/13/14
W-10	6/13/14
W-11	6/13/14
W-12	6/13/14
W-13	6/13/14
W-14	6/13/14
W-15	6/13/14
W-16	6/13/14
W-17	6/13/14
W-18	6/13/14
W-19	6/13/14
W-20	6/13/14
W-21	6/13/14
W-22	6/13/14
W-23	6/13/14
W-24	6/13/14
W-25	6/13/14
W-26	6/13/14
W-27	6/13/14
W-28	6/13/14
W-29	6/13/14
W-30	6/13/14
W-31	6/13/14
W-32	6/13/14
W-33	6/13/14
W-34	6/13/14
W-35	6/13/14
W-36	6/13/14
W-37	6/13/14
W-38	6/13/14
W-39	6/13/14
W-40	6/13/14
W-41	6/13/14
W-42	6/13/14
W-43	6/13/14
W-44	6/13/14
W-45	6/13/14
W-46	6/13/14
W-47	6/13/14

WATER STANDARD DETAIL INDEX

06/13/14	APPROVED BY:	DATE:	W-00
DATE	ERIC J. WENGER, P.E., CITY ENGINEER	8/7/14	
OKLAHOMA CITY UTILITIES DEPARTMENT			

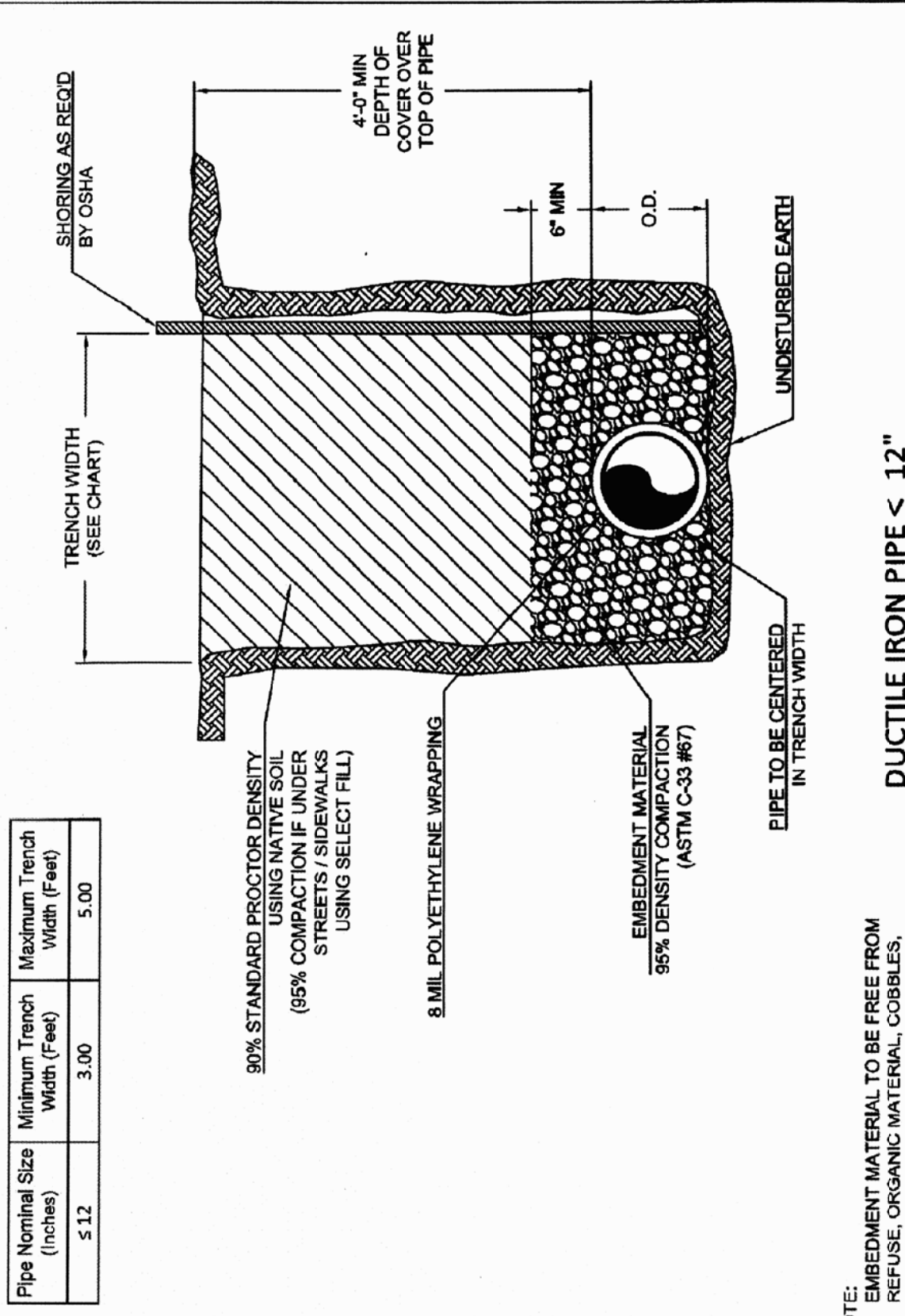
WATER STANDARD DETAIL



BEDDING & TRENCHING DETAILS - PVC PIPE

06/13/14	APPROVED BY:	DATE:	W-01
DATE	ERIC J. WENGER, P.E., CITY ENGINEER	8/7/14	
OKLAHOMA CITY UTILITIES DEPARTMENT			

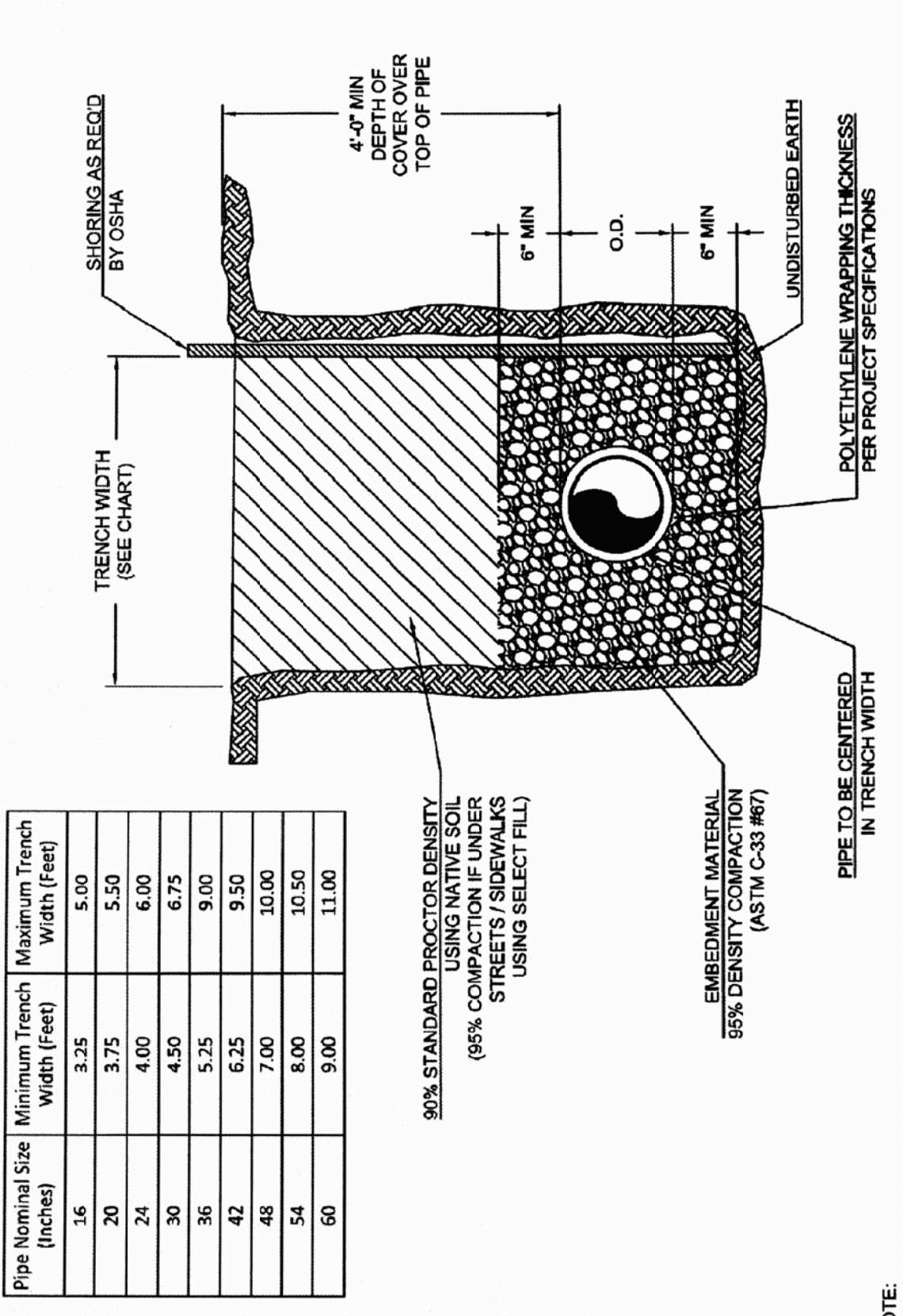
WATER STANDARD DETAIL



BEDDING & TRENCHING DETAILS - DIP ≤ 12"

06/13/14	APPROVED BY:	DATE:	W-02
DATE	ERIC J. WENGER, P.E., CITY ENGINEER	8/7/14	
OKLAHOMA CITY UTILITIES DEPARTMENT			

WATER STANDARD DETAIL



BEDDING & TRENCHING DETAILS - DIP > 12"

06/13/14	APPROVED BY:	DATE:	W-03
DATE	ERIC J. WENGER, P.E., CITY ENGINEER	8/7/14	
OKLAHOMA CITY UTILITIES DEPARTMENT			

WATER STANDARD DETAILS

DATE: 08/07/14

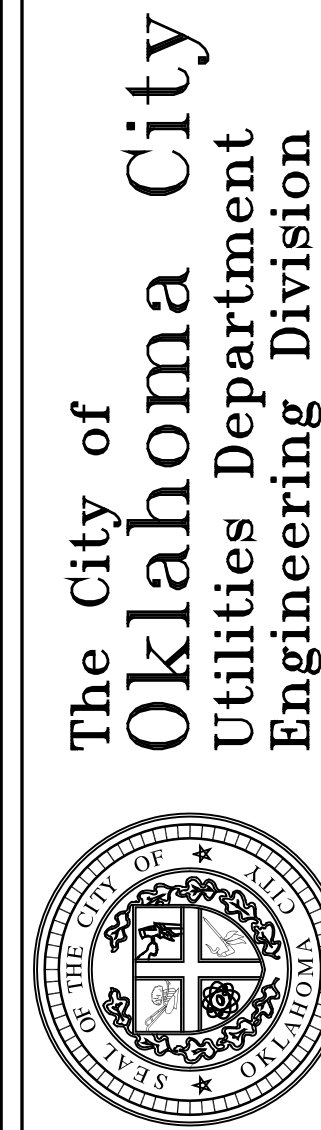
DRAWN BY: JDS

CHECKED BY: MWS/EJW

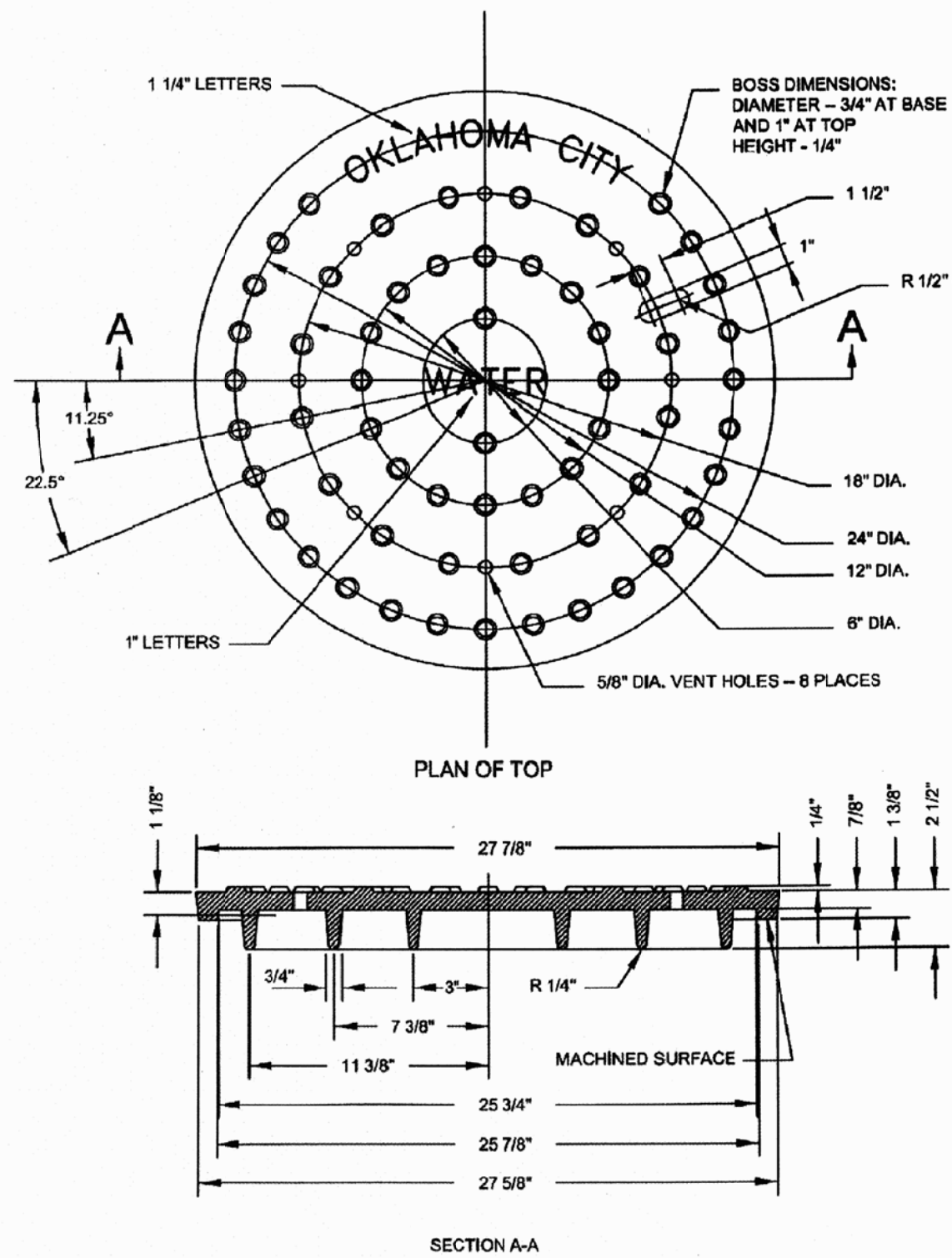
SCALE:
AS SHOWN

SHEET NUMBER

W-STD-01



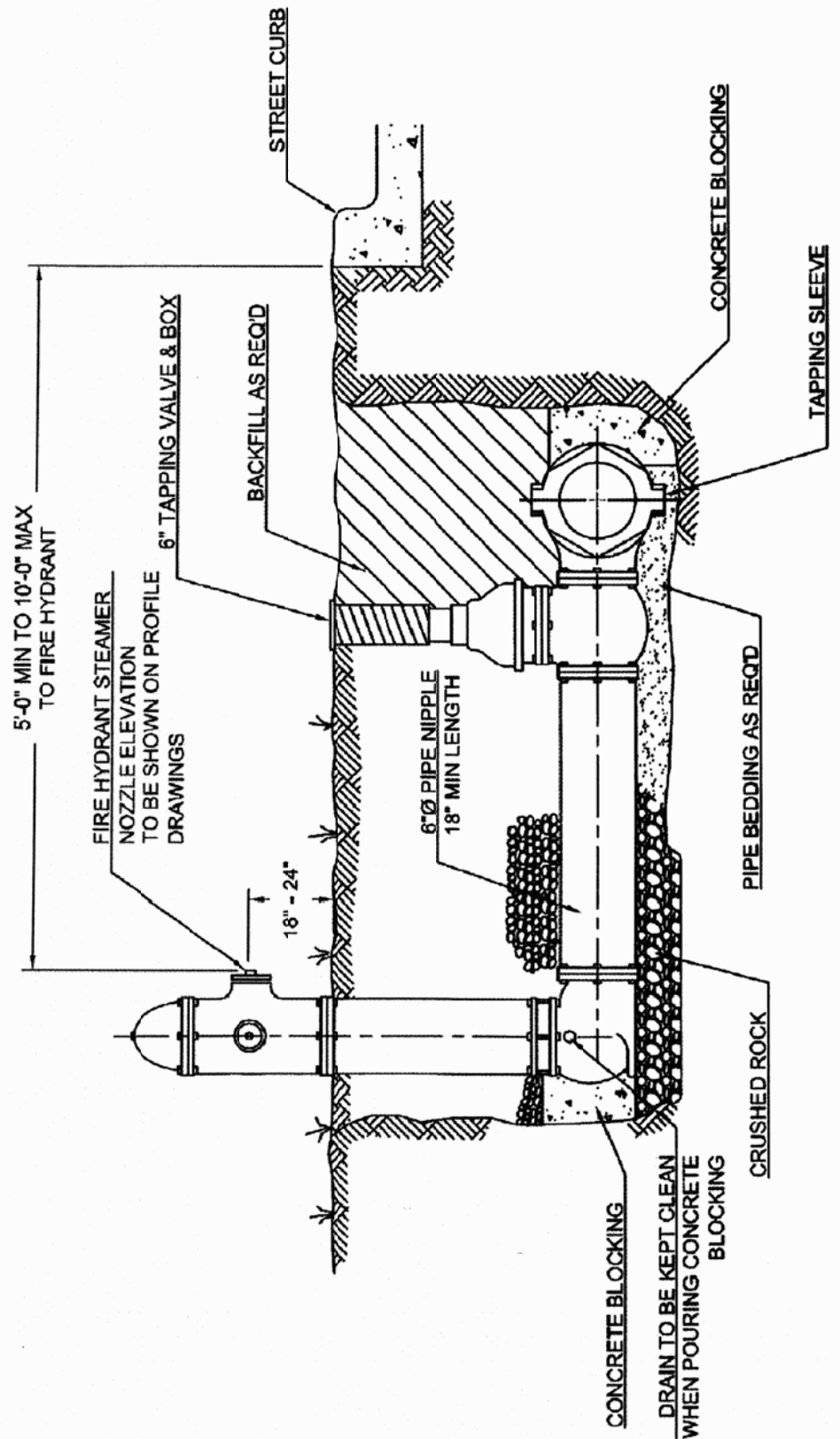
WATER STANDARD DETAIL



WATER MANHOLE COVER

06/13/14	APPROVED BY: <i>[Signature]</i>	DATE: 8/7/14	W-12
DATE	ERIC J. WENGER, P.E., CITY ENGINEER	MARSHA W. SLAUGHTER, P.E., UTILITIES DIRECTOR	
OKLAHOMA CITY UTILITIES DEPARTMENT			

WATER STANDARD DETAIL



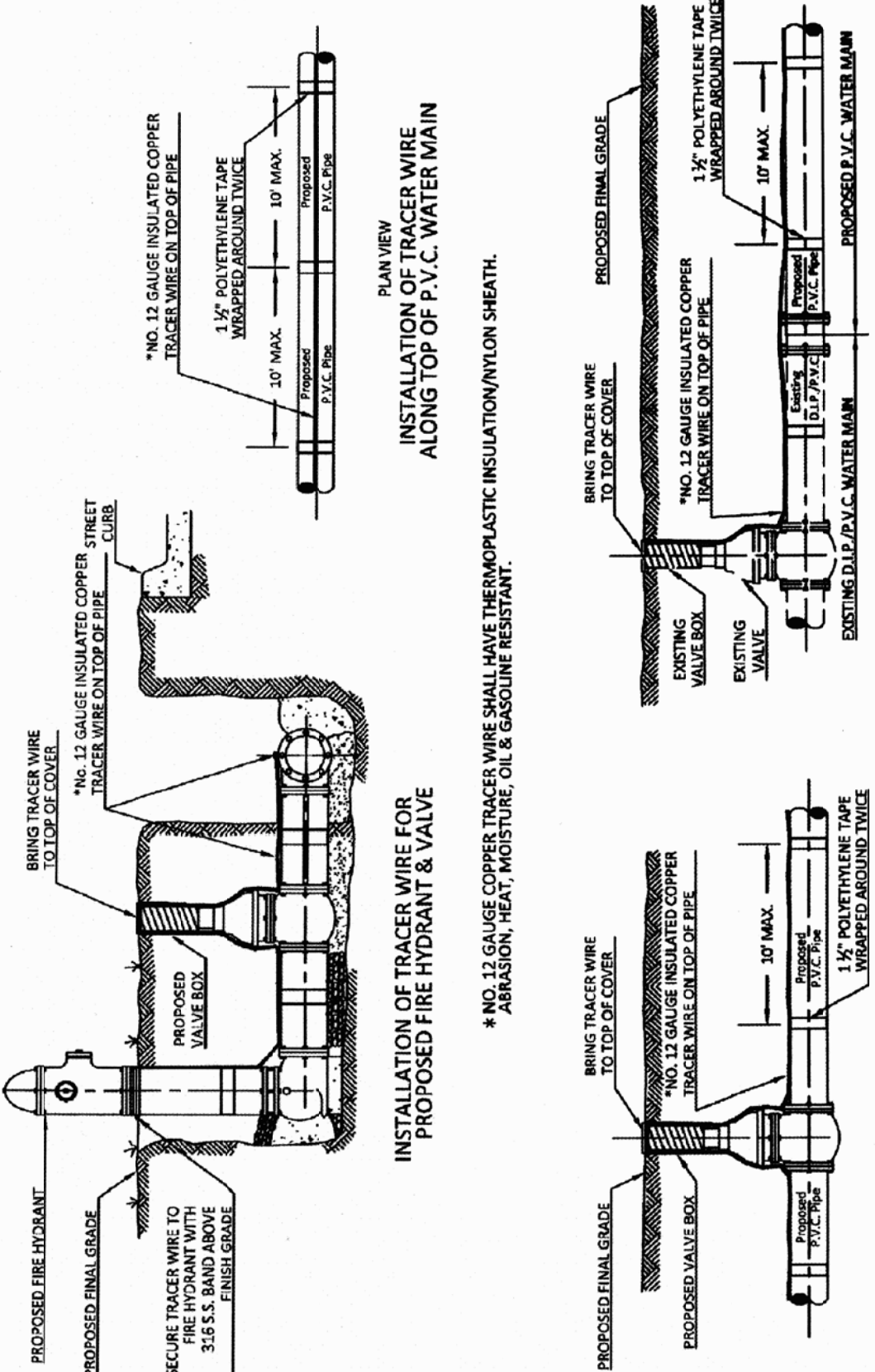
ELEVATION VIEW

- NOTES:
1. HYDRANT COLOR IS AS FOLLOWS:
(a) "INTERNATIONAL ORANGE" (SW 4081) FOR PUBLIC
(b) "SAFETY RED" (SW 4082) FOR PRIVATE
 2. SEE DETAIL W-43 & W-44 FOR THRUST BLOCK SIZING.
ALL VALVES & VALVE BOXES ARE TO BE INSTALLED OUTSIDE
EXISTING OR PROPOSED ADA RAMP.

FIRE HYDRANT INSTALLATION ON EXISTING MAIN

06/13/14	APPROVED BY: <i>[Signature]</i>	DATE: 8/7/14	W-08
DATE	ERIC J. WENGER, P.E., CITY ENGINEER	MARSHA W. SLAUGHTER, P.E., UTILITIES DIRECTOR	
OKLAHOMA CITY UTILITIES DEPARTMENT			

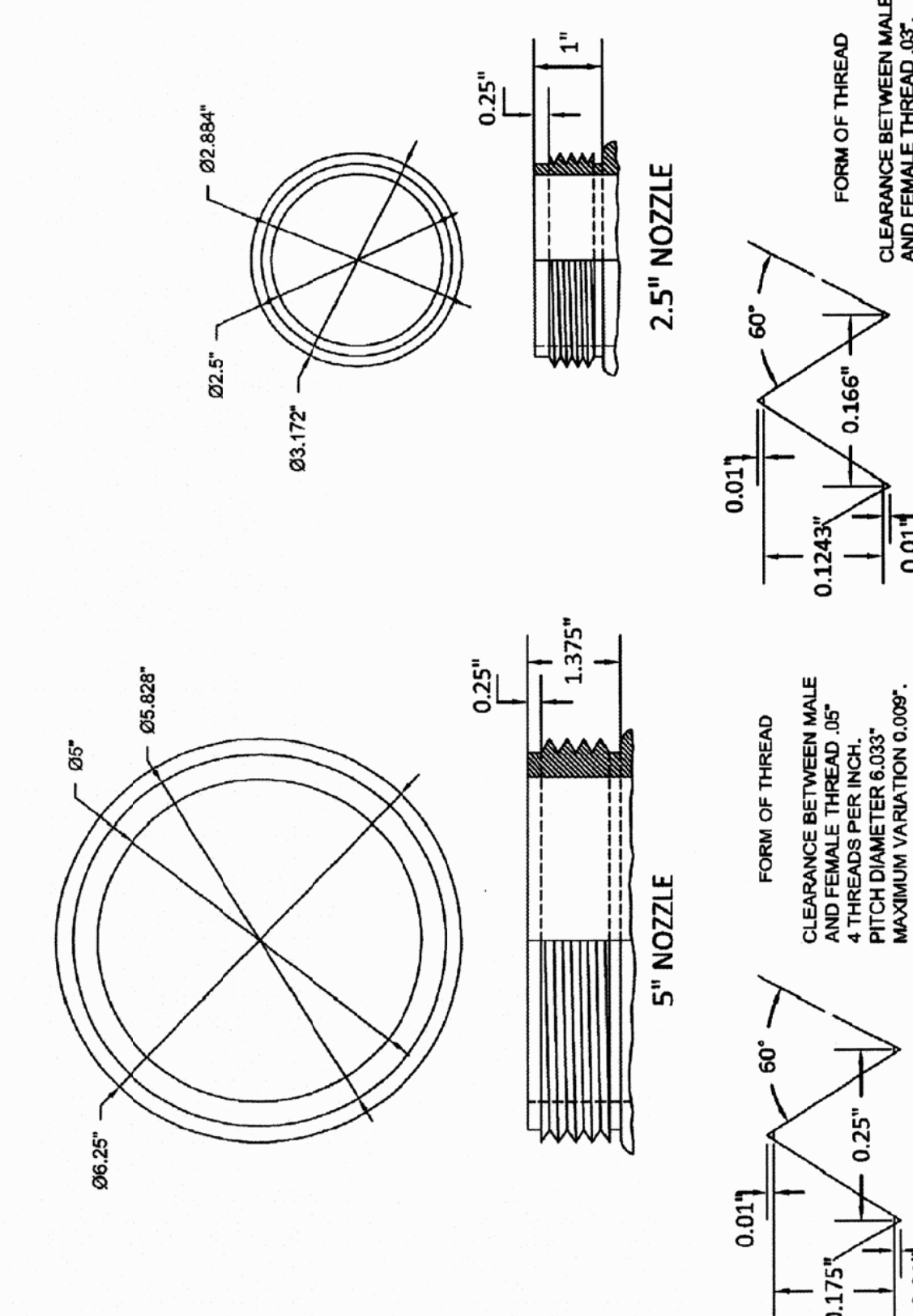
WATER STANDARD DETAIL



PVC PIPE TRACER WIRE INSTALLATION

06/13/14	APPROVED BY: <i>[Signature]</i>	DATE: 8/7/14	W-13
DATE	ERIC J. WENGER, P.E., CITY ENGINEER	MARSHA W. SLAUGHTER, P.E., UTILITIES DIRECTOR	
OKLAHOMA CITY UTILITIES DEPARTMENT			

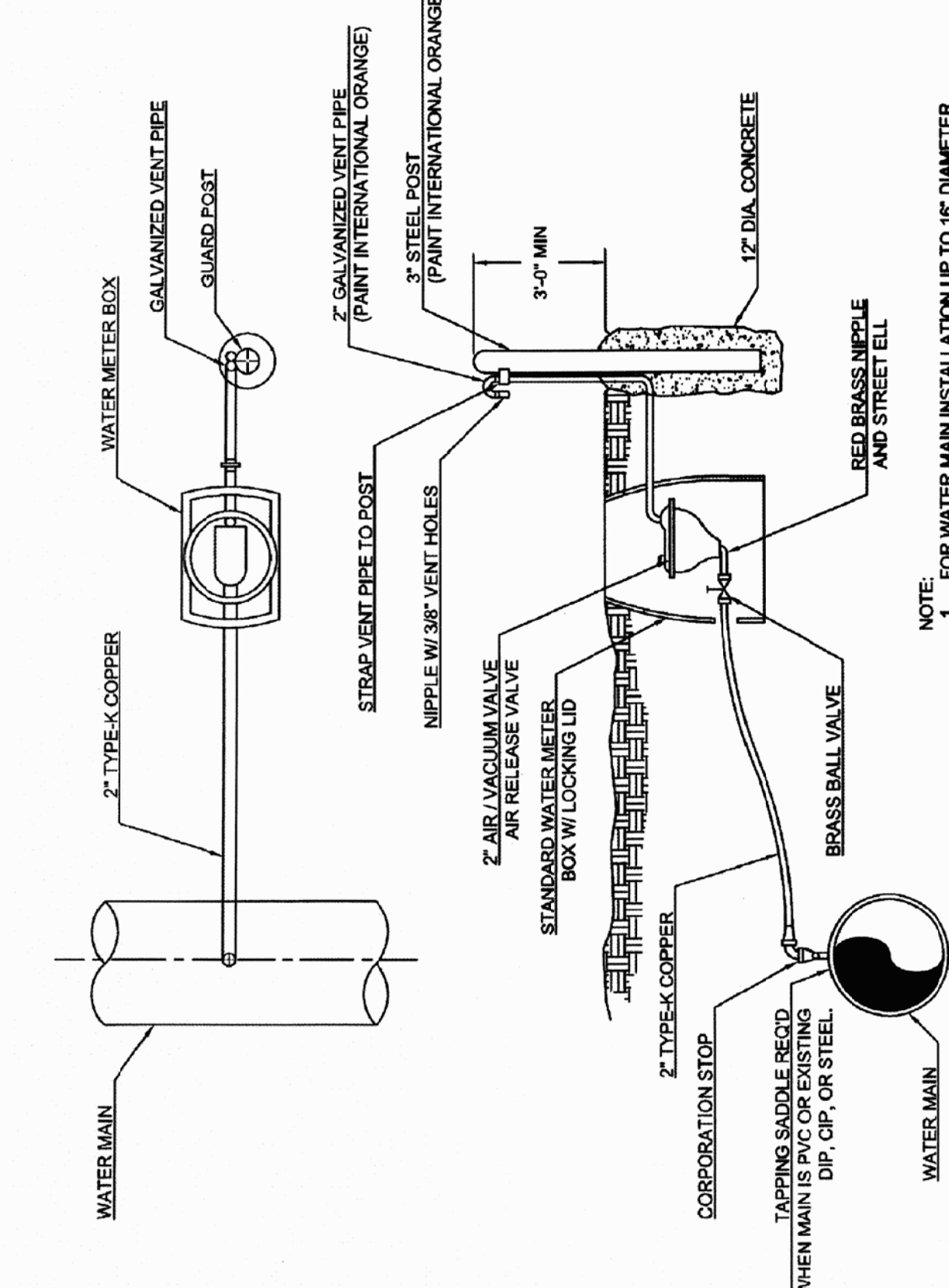
WATER STANDARD DETAIL



FIRE HYDRANT NOZZLES THREAD DETAILS

06/13/14	APPROVED BY: <i>[Signature]</i>	DATE: 8/7/14	W-09
DATE	ERIC J. WENGER, P.E., CITY ENGINEER	MARSHA W. SLAUGHTER, P.E., UTILITIES DIRECTOR	
OKLAHOMA CITY UTILITIES DEPARTMENT			

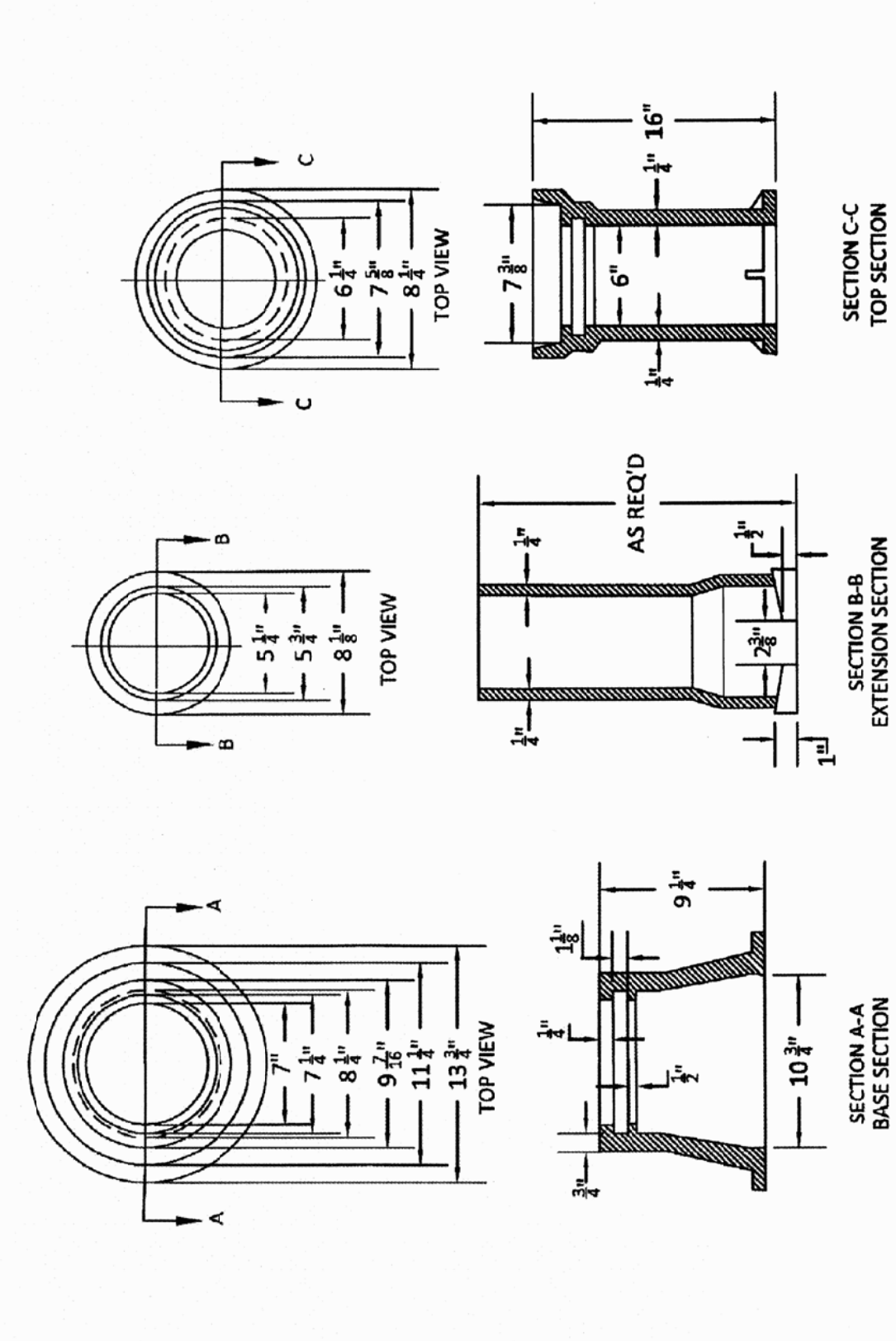
WATER STANDARD DETAIL



2" AIR / VACUUM RELEASE VALVE INSTALLATION

06/13/14	APPROVED BY: <i>[Signature]</i>	DATE: 8/7/14	W-14
DATE	ERIC J. WENGER, P.E., CITY ENGINEER	MARSHA W. SLAUGHTER, P.E., UTILITIES DIRECTOR	
OKLAHOMA CITY UTILITIES DEPARTMENT			

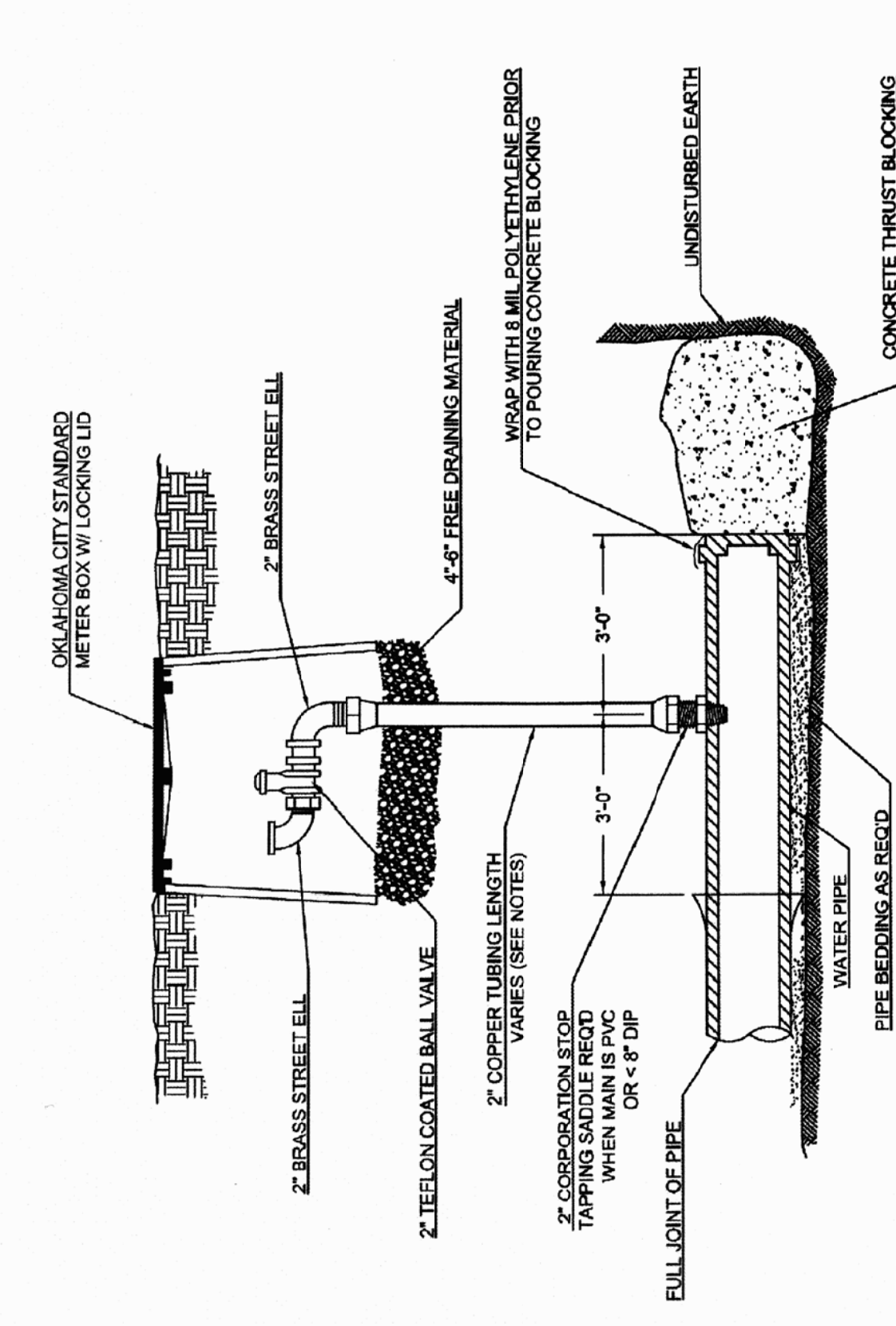
WATER STANDARD DETAIL



CAST IRON VALVE BOX, LID & EXTENSION

06/13/14	APPROVED BY: <i>[Signature]</i>	DATE: 8/7/14	W-10
DATE	ERIC J. WENGER, P.E., CITY ENGINEER	MARSHA W. SLAUGHTER, P.E., UTILITIES DIRECTOR	
OKLAHOMA CITY UTILITIES DEPARTMENT			

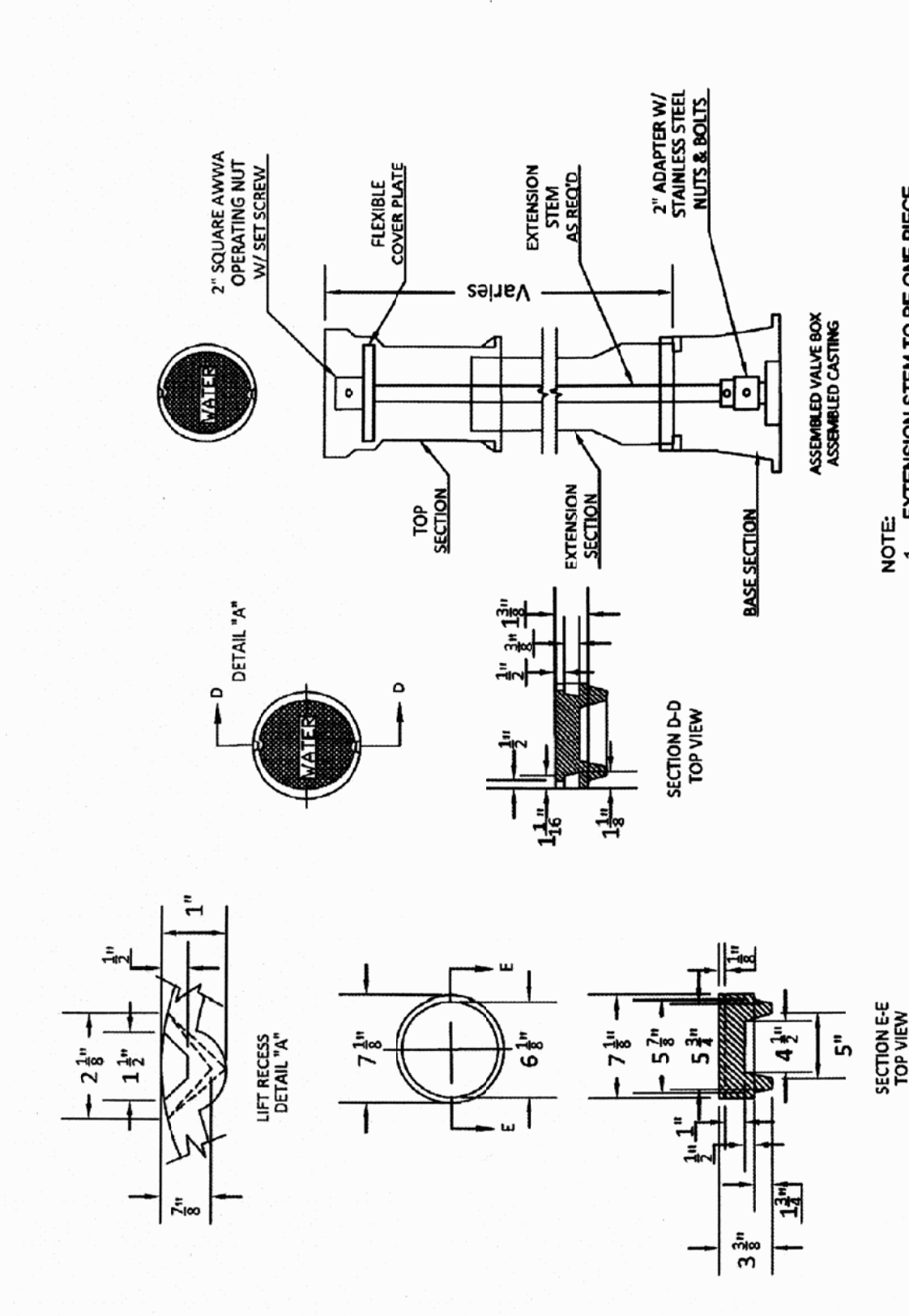
WATER STANDARD DETAIL



2" BLOW OFF INSTALLATION

06/13/14	APPROVED BY: <i>[Signature]</i>	DATE: 8/7/14	W-15
DATE	ERIC J. WENGER, P.E., CITY ENGINEER	MARSHA W. SLAUGHTER, P.E., UTILITIES DIRECTOR	
OKLAHOMA CITY UTILITIES DEPARTMENT			

WATER STANDARD DETAIL



CAST IRON VALVE BOX, LID & EXTENSION

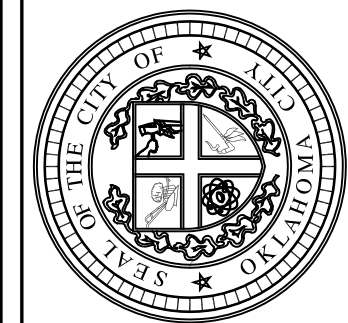
06/13/14	APPROVED BY: <i>[Signature]</i>	DATE: 8/7/14	W-11
DATE	ERIC J. WENGER, P.E., CITY ENGINEER	MARSHA W. SLAUGHTER, P.E., UTILITIES DIRECTOR	
OKLAHOMA CITY UTILITIES DEPARTMENT			

WATER STANDARD DETAILS

DATE:	08/07/14
DRAWN BY:	JDS
CHECKED BY:	MWS/EJW

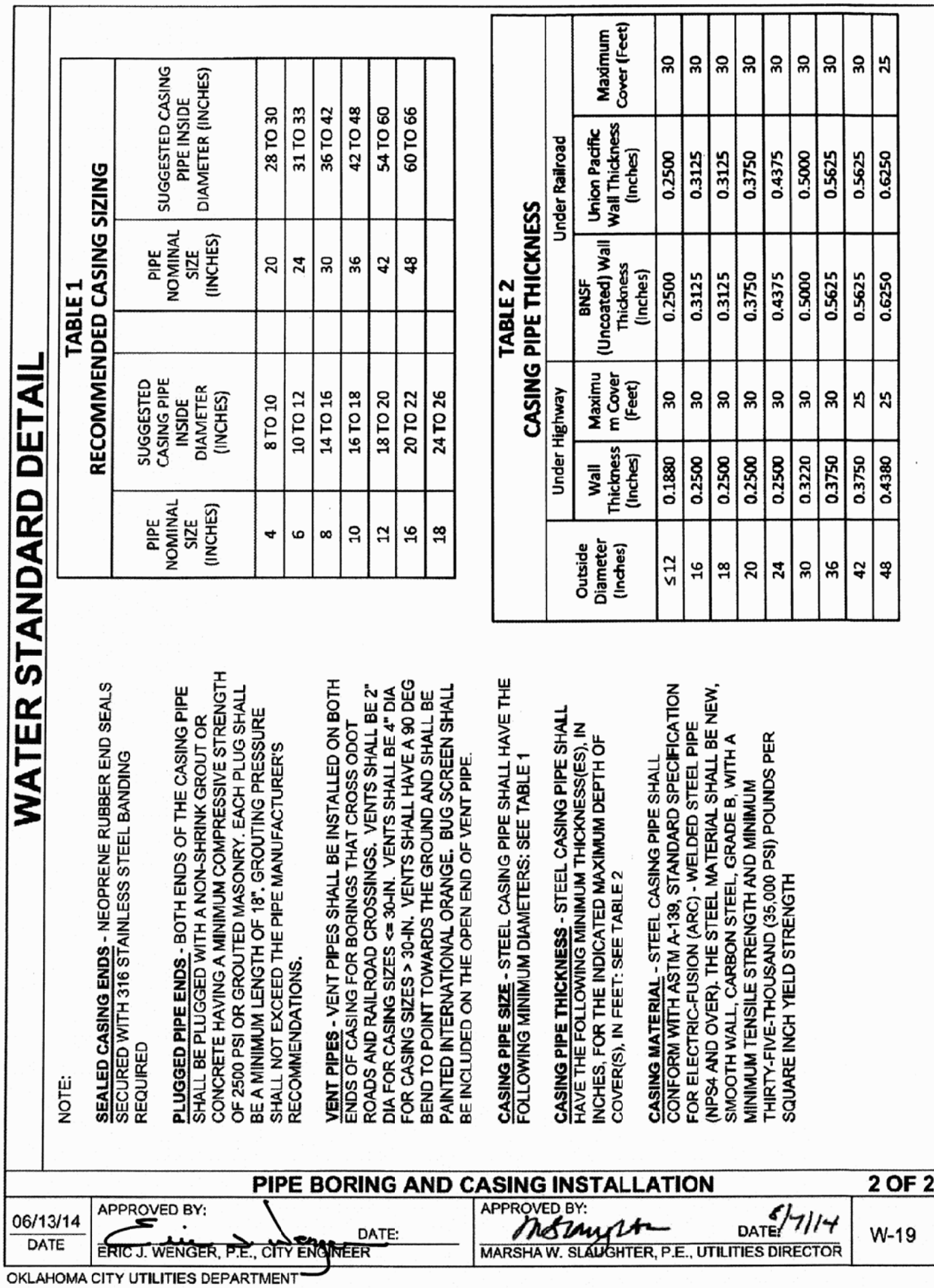
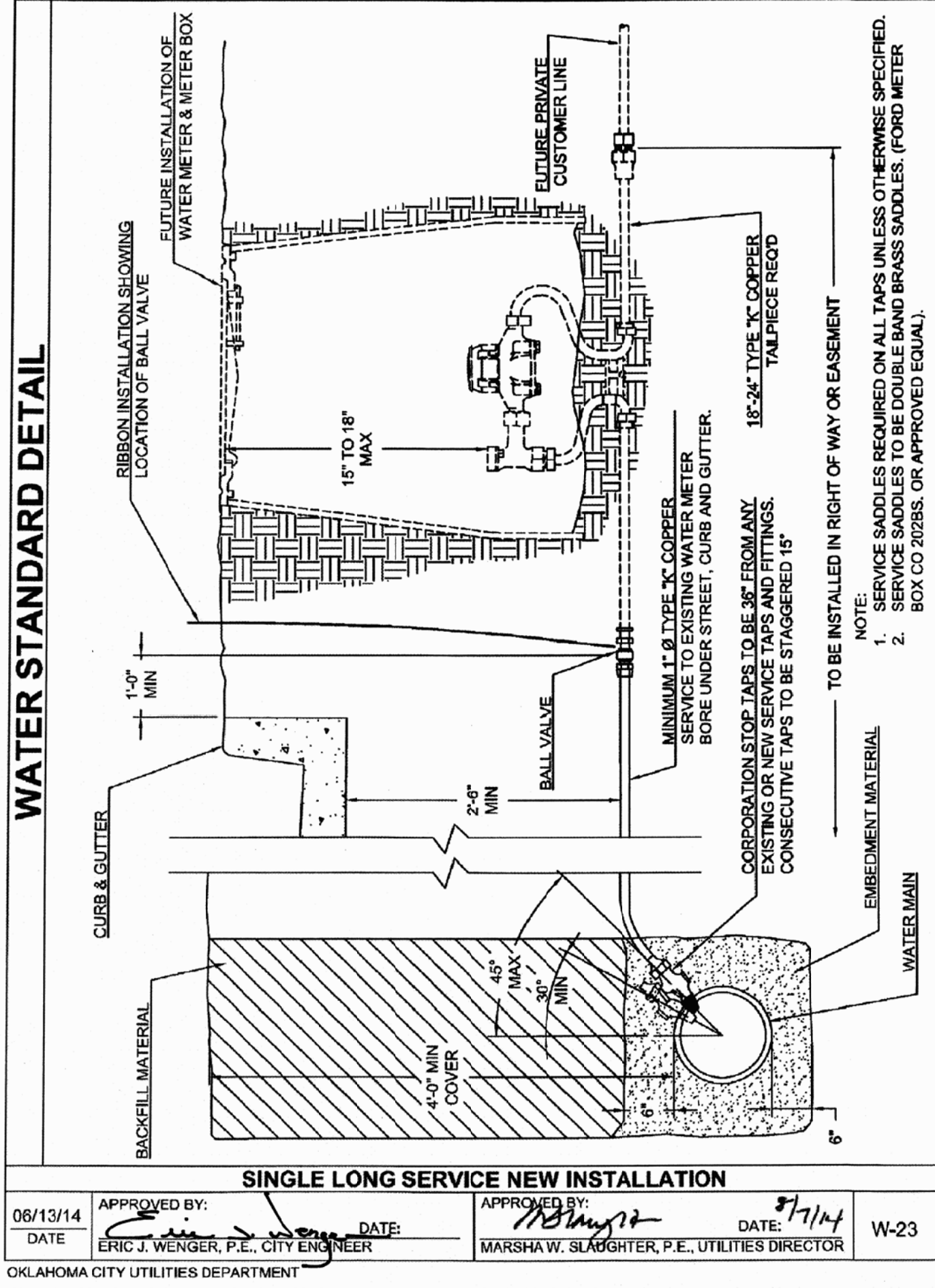
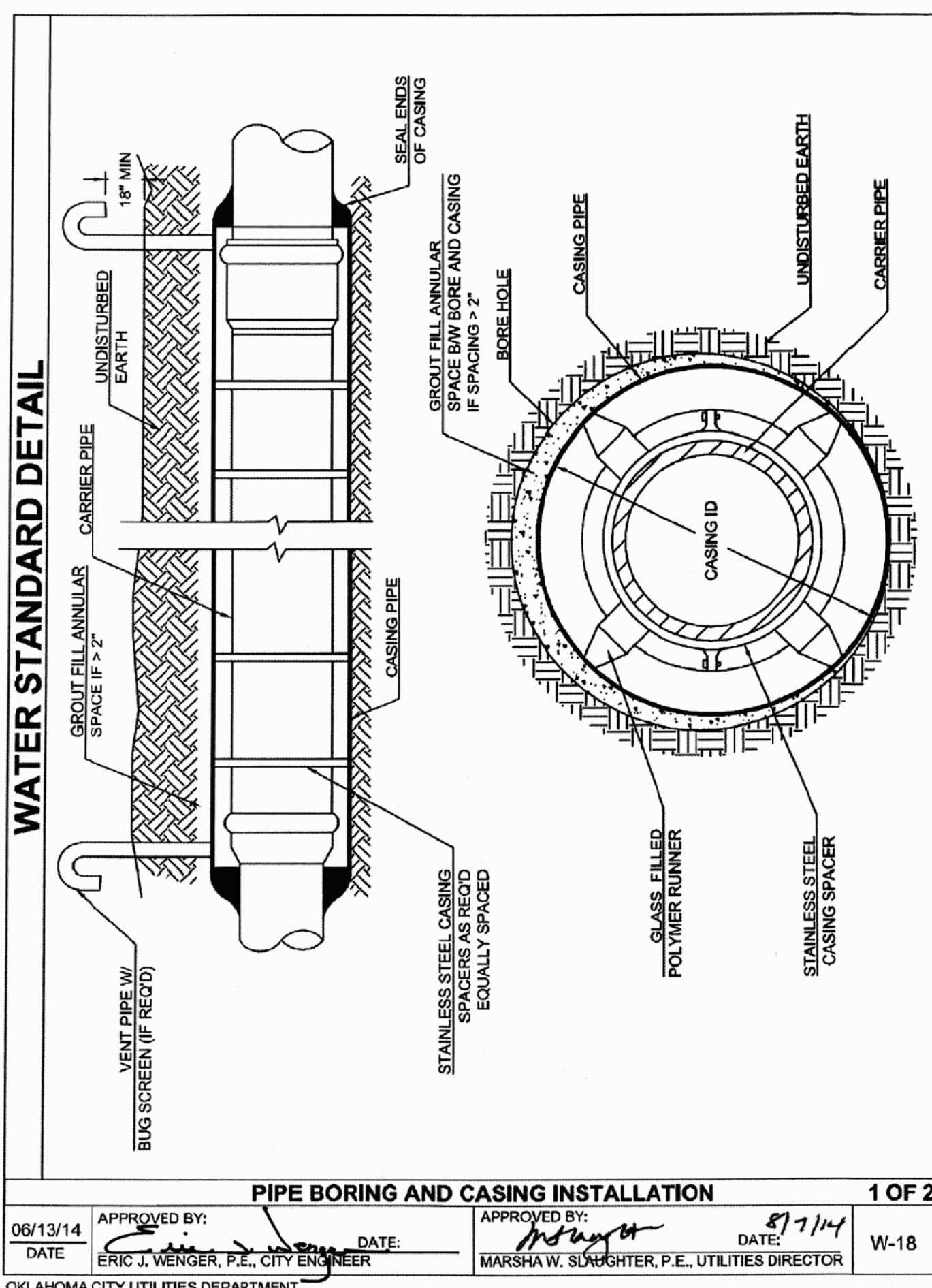
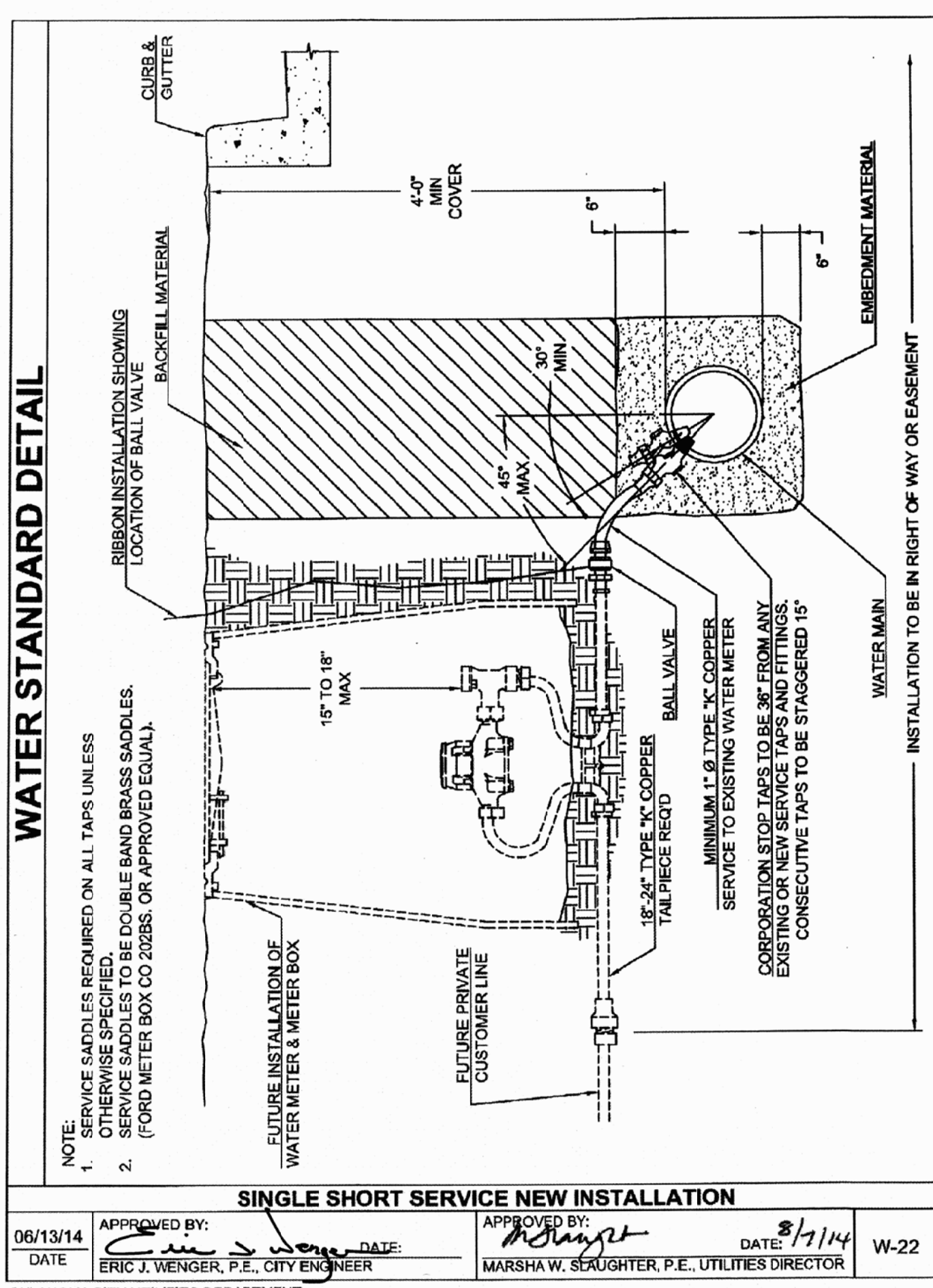
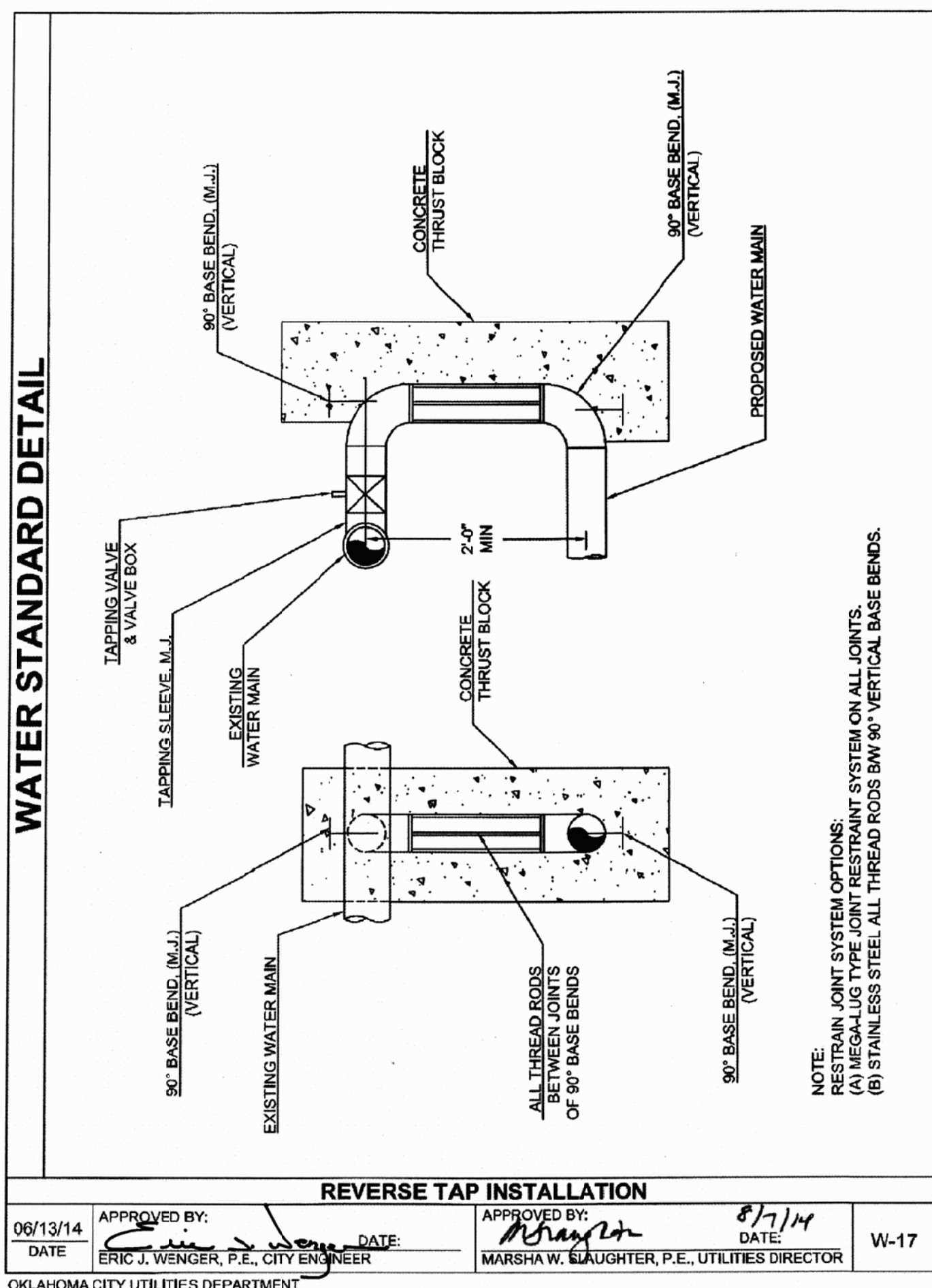
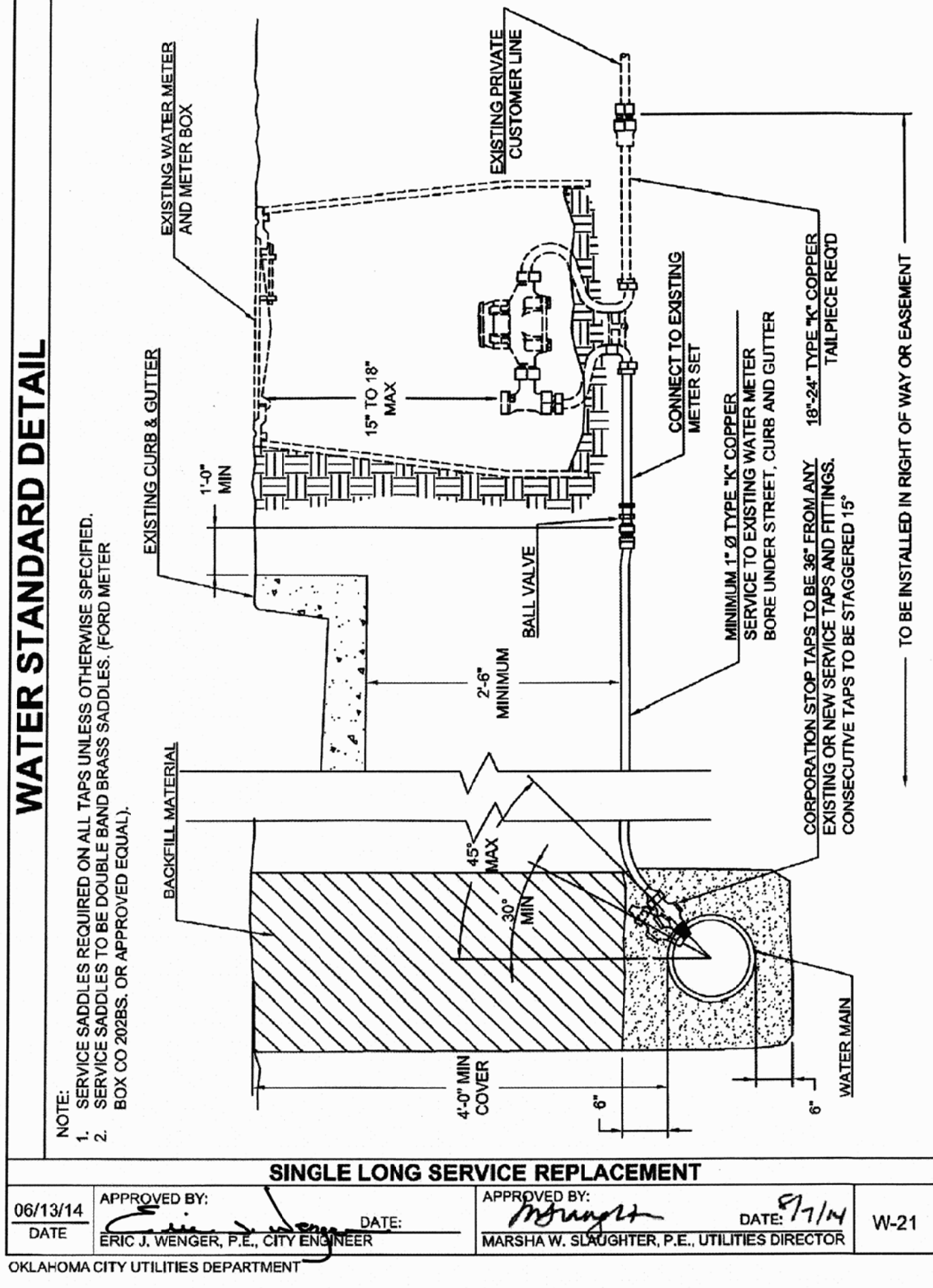
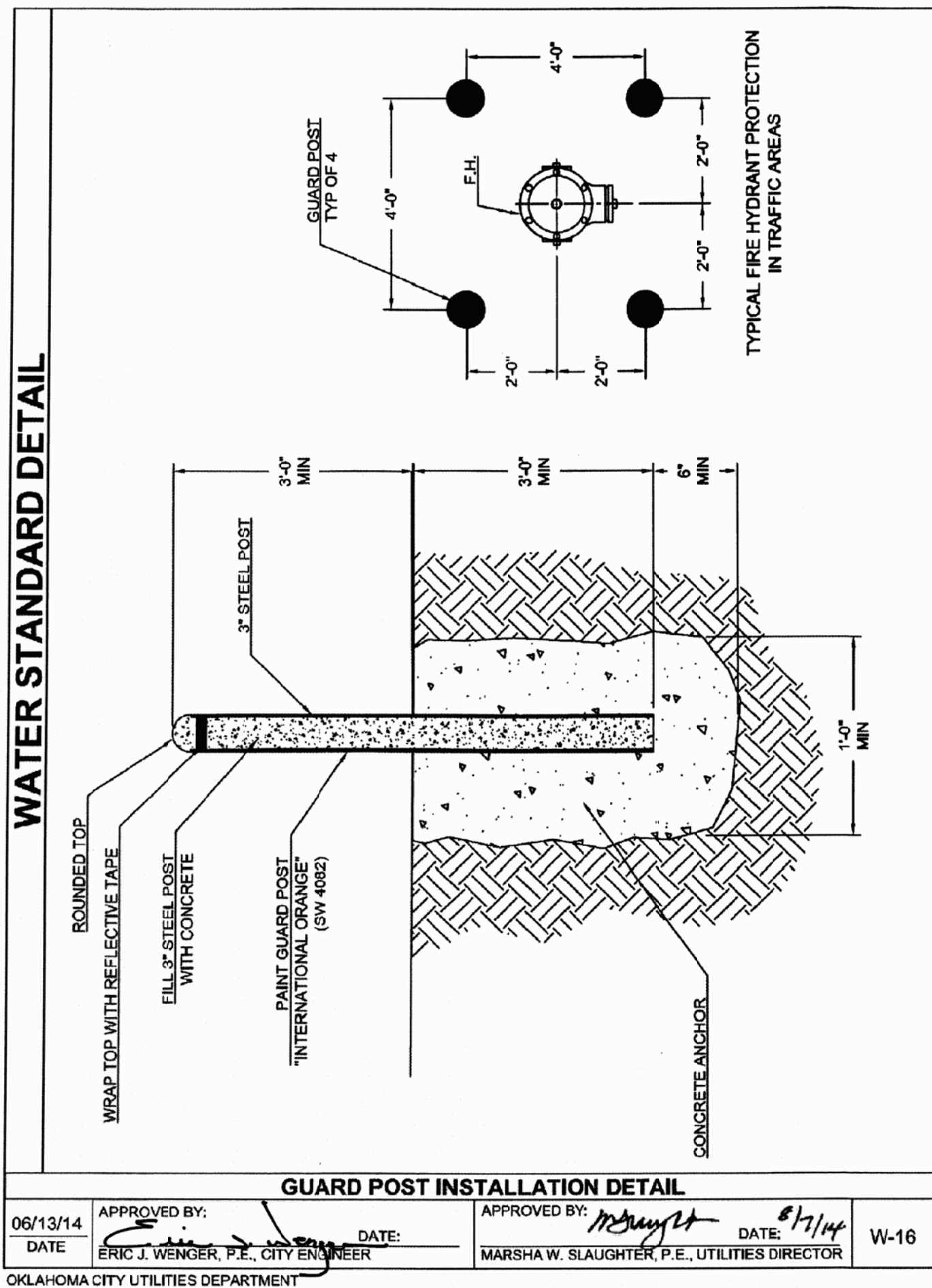
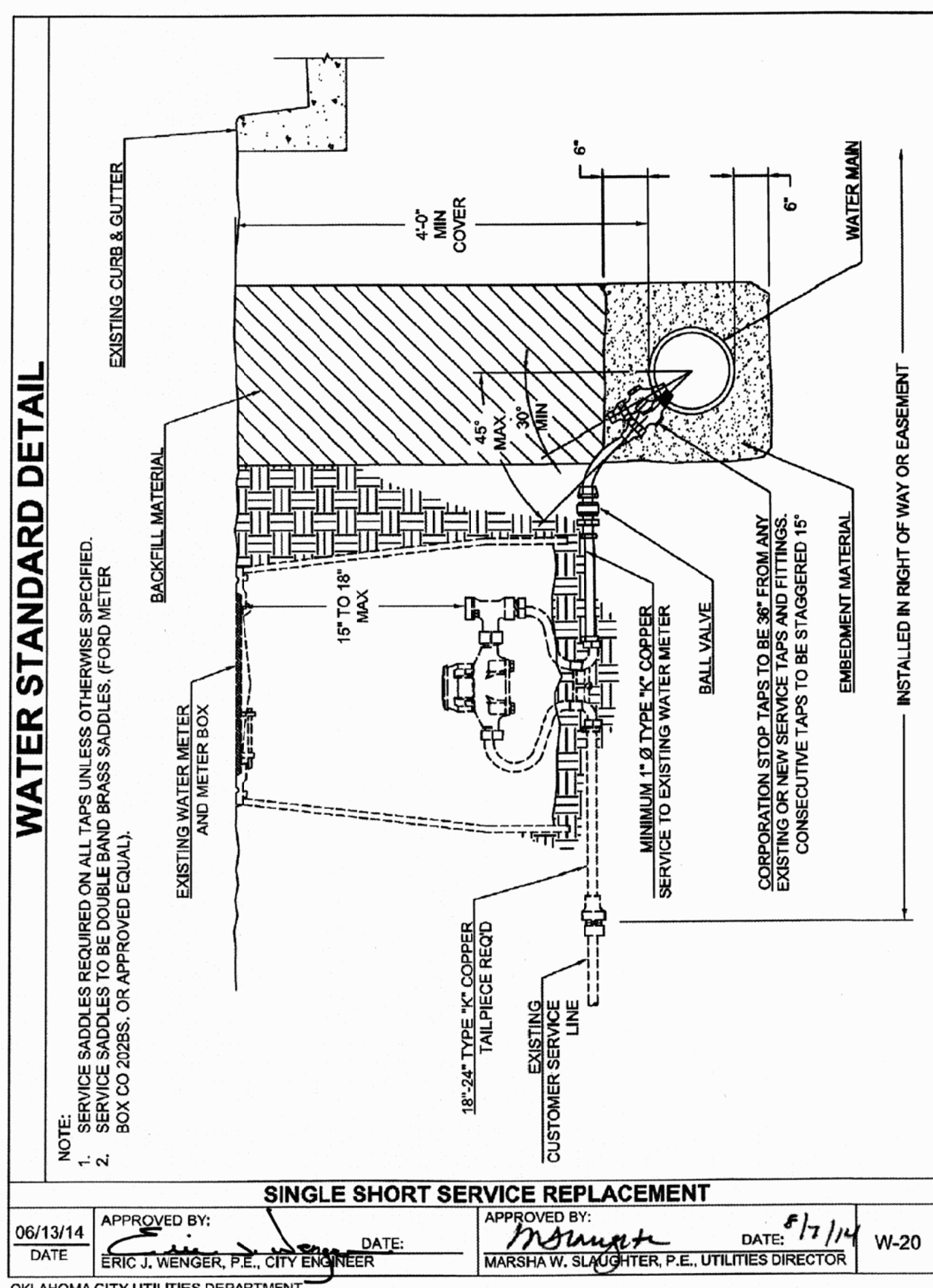
SCALE:
AS SHOWN

SHEET NUMBER
W-STD-02



The City of
Oklahoma City
Utilities Department
Engineering Division

NO.	DATE	DESCRIPTION

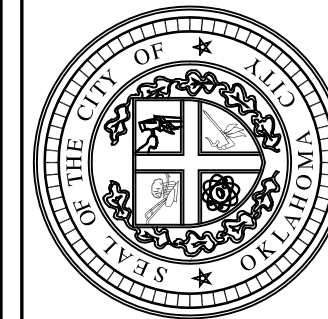


WATER
STANDARD DETAILS

DATE: 08/07/14
DRAWN BY: JDS
CHECKED BY: MWS/EJW
SCALE:
AS SHOWN

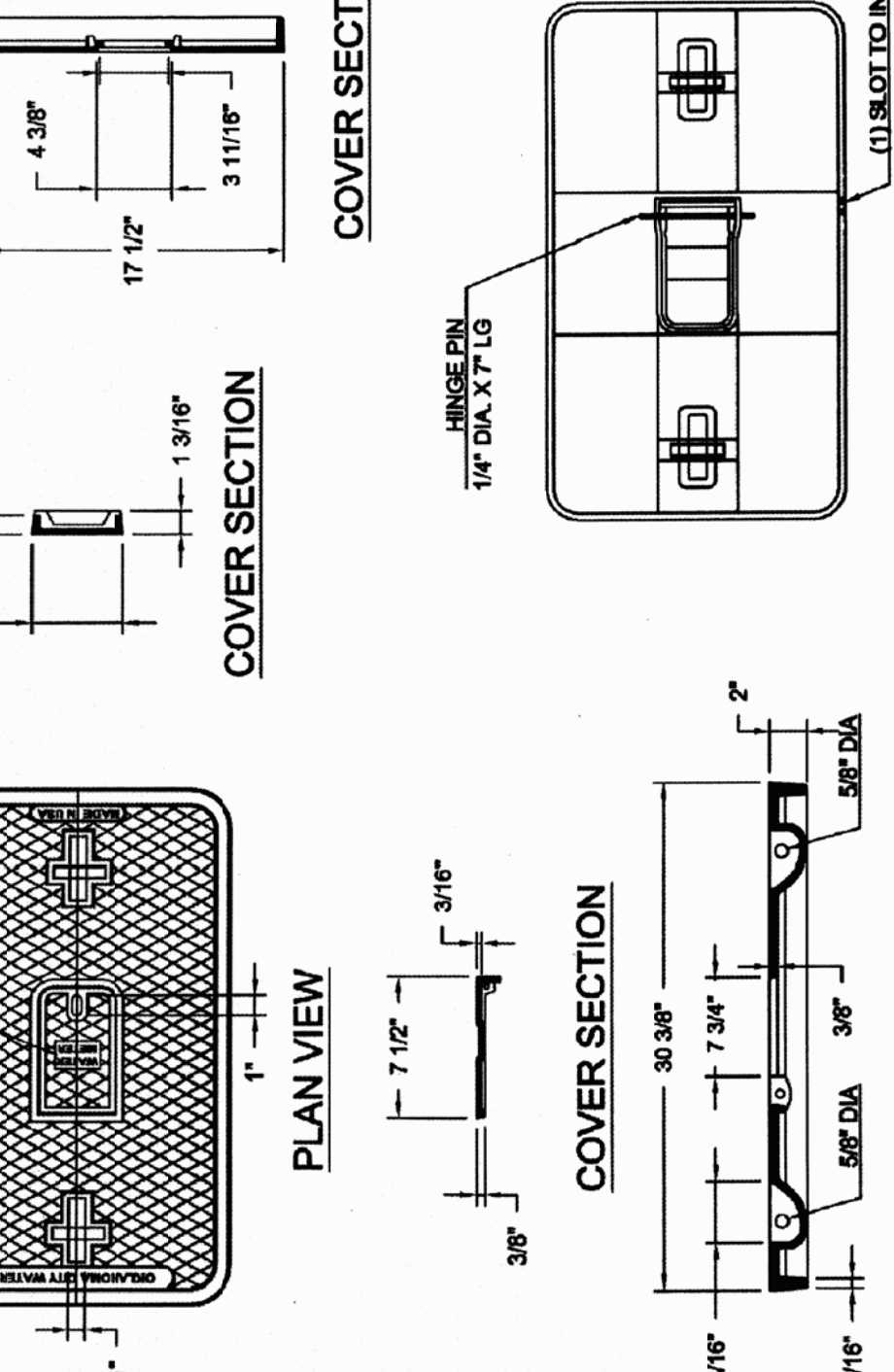
SHEET NUMBER
W-STD-03

The City of
Oklahoma City
Utilities Department
Engineering Division



NO. DATE DESCRIPTION

WATER STANDARD DETAIL

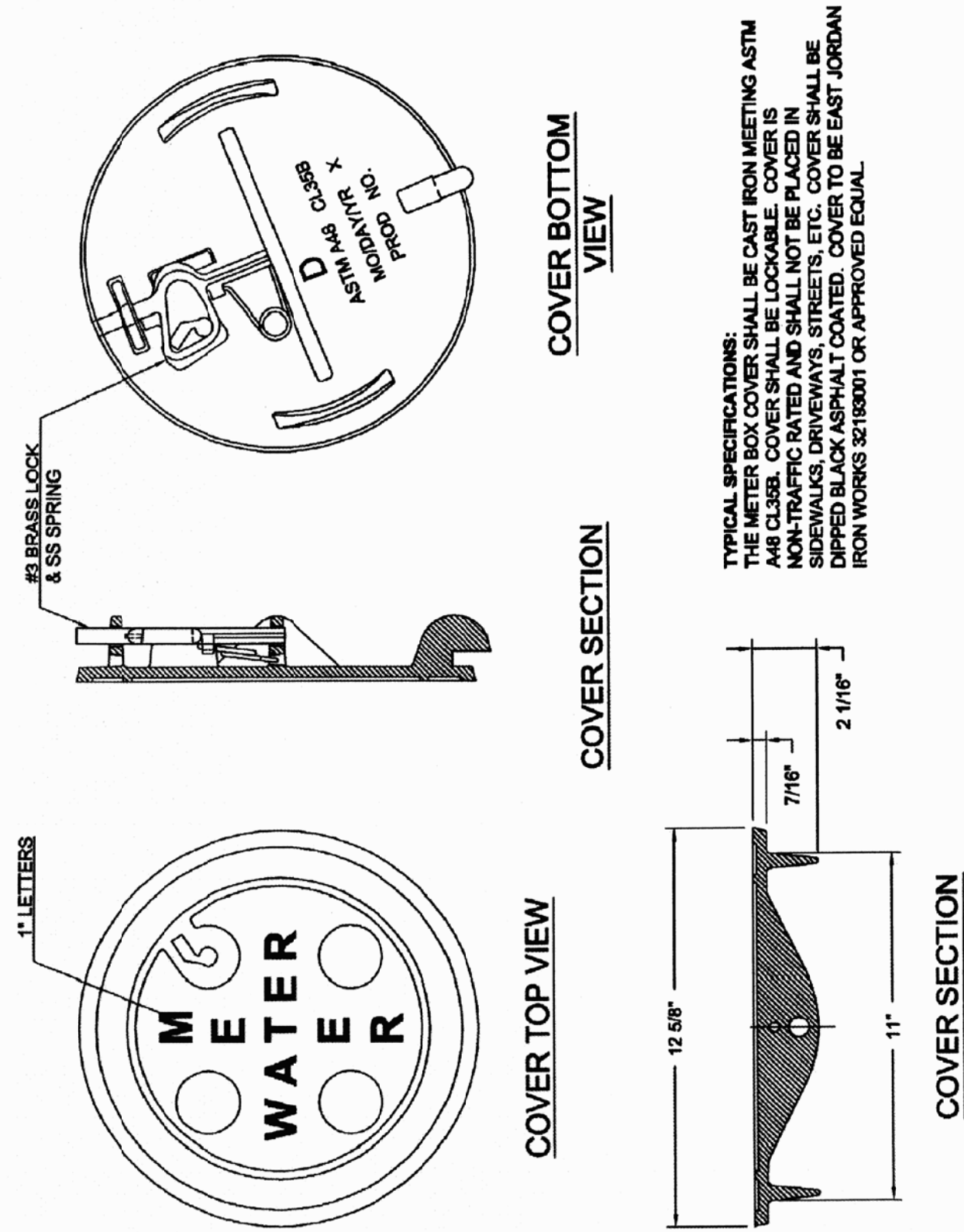


BODY SECTION

TYPICAL SPECIFICATIONS: THE METER BOX SHALL BE HIGH-DENSITY POLYETHYLENE OF ONE-PIECE MOLDED CONSTRUCTION FOR DURABILITY AND IMPACT STRENGTH AND SHALL HAVE A WALL THICKNESS OF NO LESS THAN 0.375 INCHES. THE METER BOX SHALL BE IN CONFORMANCE WITH ASTM C897, WUC 3.6, AND SHALL BE PEDESTAL RATED. METER BOX SHALL BE INSTALLED IN GRASSY AREAS ONLY IN RIGHT-OF-WAY. METER BOX TO BE CARSON W2200-18 OR APPROVED EQUAL.

06/13/14	APPROVED BY: 	APPROVED BY: 	DATE: 6/17/14	W-28
DATE	ERIC J. WENGER, P.E., CITY ENGINEER	MARSHA W. SLAUGHTER, P.E., UTILITIES DIRECTOR		
OKLAHOMA CITY UTILITIES DEPARTMENT				

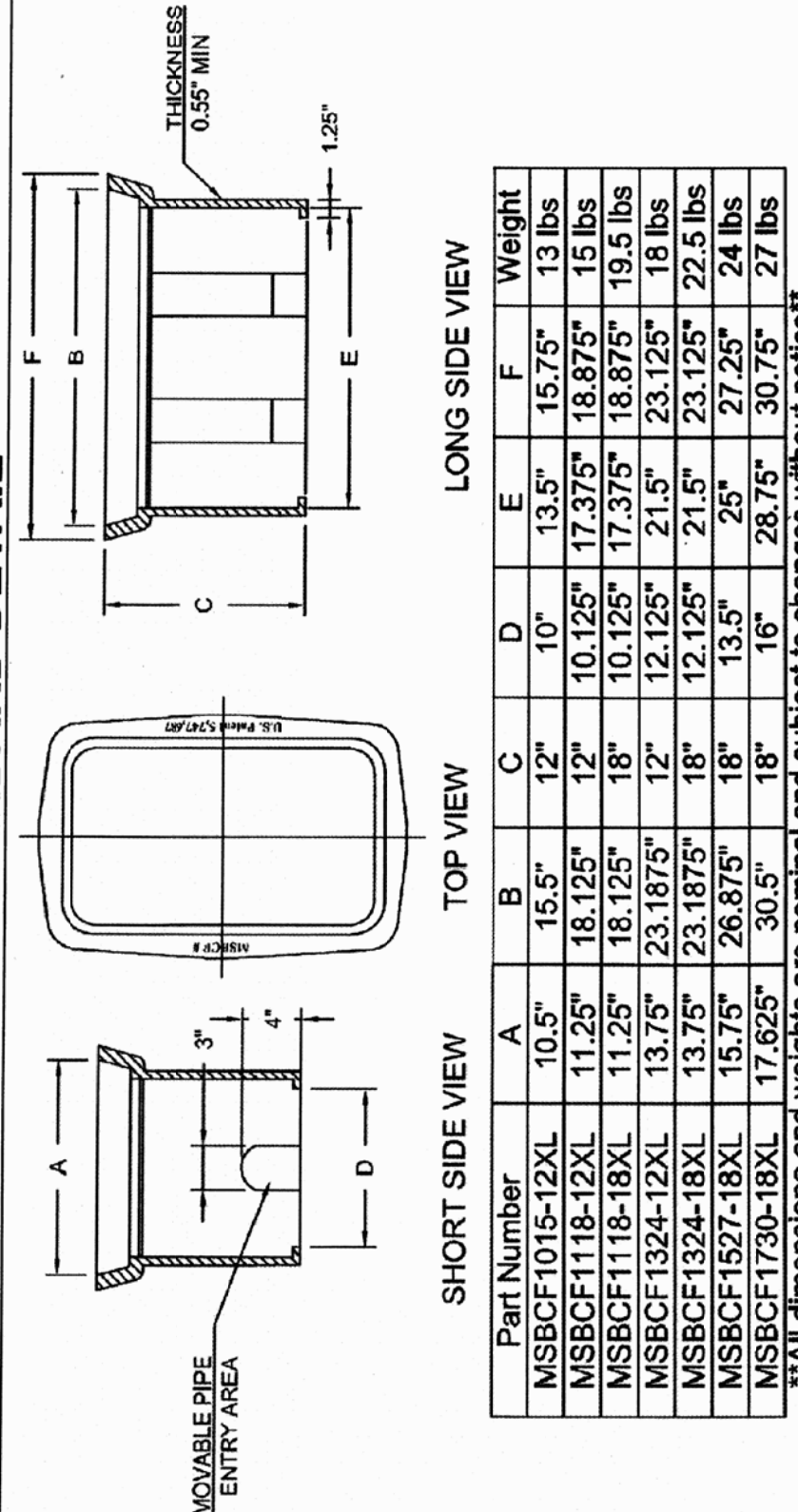
WATER STANDARD DETAIL



TYPICAL SPECIFICATIONS:
THE METTER BOX COVER SHALL BE CAST IRON MEETING ASTM A48 CL35B. COVER SHALL BE LOCKABLE. COVER IS NON-TRAFFIC RATED AND SHALL NOT BE PLACED IN SIDEWALKS, DRIVEWAYS, STREETS, ETC. COVER SHALL BE DIPPED BLACK ASPHALT COATED. COVER TO BE EAST JORDAN IRON WORKS 32193001 OR APPROVED EQUAL.

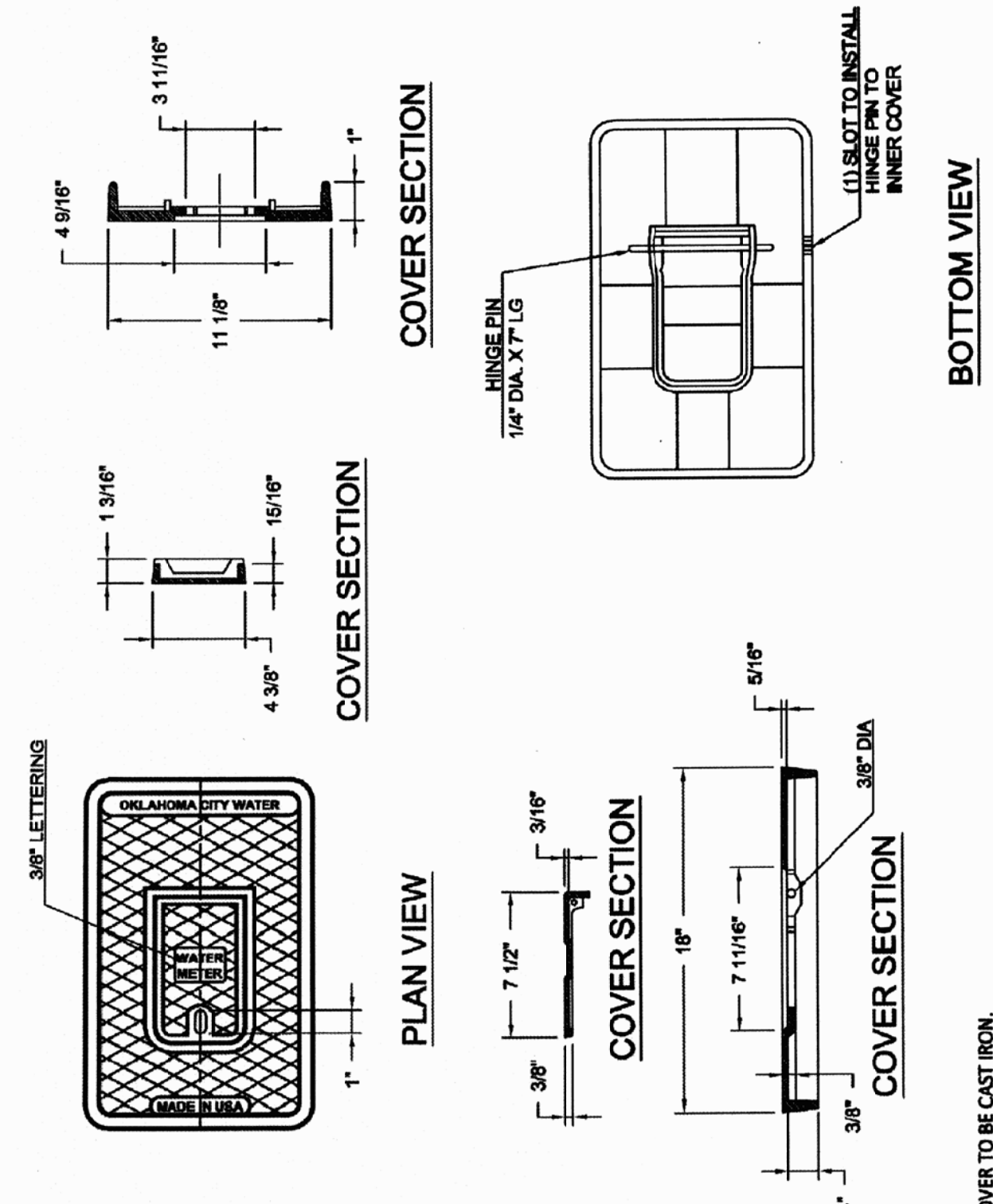
06/13/14 DATE	APPROVED BY:  DATE: ERIC J. WENGER, P.E., CITY ENGINEER	APPROVED BY:  DATE: 8/17/14 MARSHA W. SLAW, CHIEF, P.E., UTILITIES DIRECTOR	W-29
OKLAHOMA CITY UTILITIES DEPARTMENT			

WATER STANDARD DETAIL

[illegible]

06/13/14 DATE	APPROVED BY:  ERIC J. WENGER, P.E., CITY ENGINEER	DATE: _____	APPROVED BY:  MARSHA W. SLAUGHTER, P.E., UTILITIES DIRECTOR	DATE: 8/7/14	W-30
OKLAHOMA CITY UTILITIES DEPARTMENT					

WATER STANDARD DETAIL



NOTE:
1. COVER TO BE CAST IRON.

06/13/14	APPROVED BY:	APPROVED BY:	
DATE	DATE:	DATE:	W-31
	ERIC J. WENGER, P.E., CITY ENGINEER	MARSHA W. SLAUGHTER, P.E., UTILITIES DIRECTOR	
OKLAHOMA CITY UTILITIES DEPARTMENT			

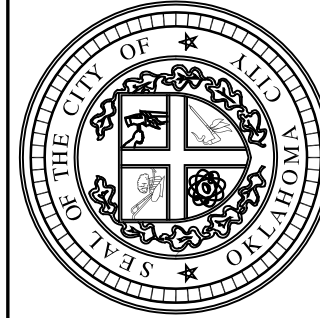
WATER STANDARD DETAILS

[illegible]

DATE:	08/07/14
DRAWN BY:	JDS
CHECKED BY:	MWS/EJW

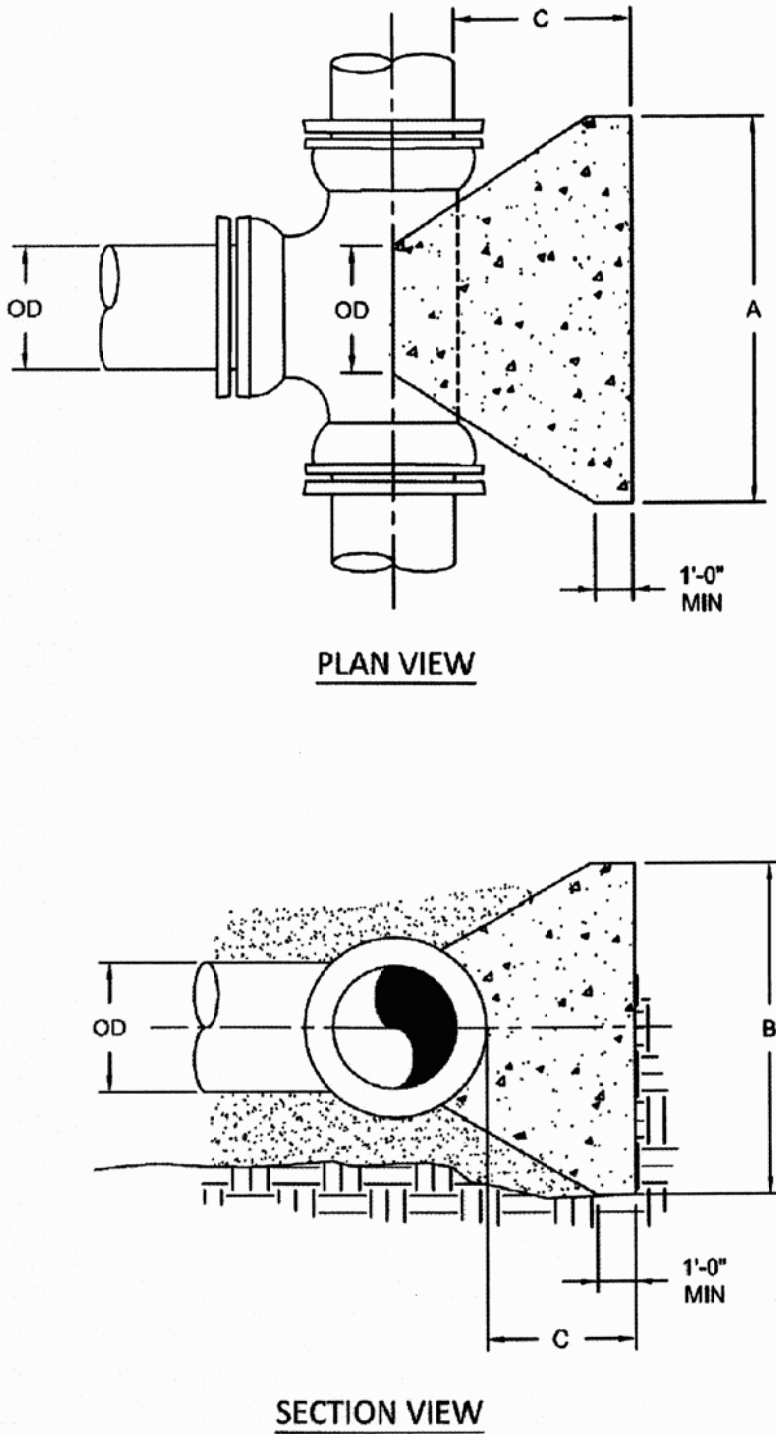
SCALE:
S SHOWN

SHEET NUMBER
W-STD-04



The City of
Oklahoma City
Utilities Department
Engineering Division

WATER STANDARD DETAIL



HORIZONTAL THRUST BLOCK - TEES, PLUGS, VALVES

1 OF 2

06/13/14 DATE: 06/13/14
APPROVED BY: ERIC J. WENGER, P.E., CITY ENGINEER
DATE: 8/7/14
APPROVED BY: MARSHA W. SLAUGHTER, P.E., UTILITIES DIRECTOR
DATE: 8/7/14
OKLAHOMA CITY UTILITIES DEPARTMENT
W-40

WATER STANDARD DETAIL

Reinforcing Schedule for Concrete Vaults													
Meter By-Pass Size	Design No.	Depth (feet)	A	B	Wall Thickness	Floor Thickness	Vertical Bars		Horizontal Bars		Top Bars		
							Size	Spacing	Size	Spacing	Top Thickness	Size	Spacing
6"	9	5	15'-6"	9'-6"	8	10	4	12	4	12	8	5	8
	10	6	15'-6"	9'-6"	8	10	4	9	4	12	8	5	8
	11	7	15'-6"	9'-6"	8	10	5	9	4	12	8	5	8
8"	12	8	15'-6"	9'-6"	8	10	5	9	4	12	8	5	8
	13	5	17'-0"	11'-0"	8	10	4	12	4	12	8	5	8
	14	6	17'-0"	11'-0"	8	10	4	9	4	12	8	5	8
10"	15	7	17'-0"	11'-0"	8	10	5	12	4	12	8	5	8
	16	8	17'-0"	11'-0"	8	10	5	9	4	12	8	5	8
	17	5	20'-0"	13'-6"	8	10	4	12	4	12	8	5	8
12"	18	6	20'-0"	13'-6"	8	10	4	9	4	12	8	5	8
	19	7	20'-0"	13'-6"	10	11	5	12	4	12	8	5	8
	20	8	20'-0"	13'-6"	10	11	5	12	4	12	8	5	8
12"	21	5	20'-0"	15'-6"	8	10	4	9	4	12	8	5	8
	22	6	20'-0"	15'-6"	8	10	4	9	4	12	8	5	8
	23	7	20'-0"	15'-6"	10	11	4	6	5	12	8	5	8
12"	24	8	20'-0"	15'-6"	10	11	5	6	5	12	8	5	8
	25	9	20'-0"	15'-6"	10	11	5	6	5	12	8	5	8

- NOTES:
1. ALL REINFORCING REBAR SHALL BE GRADE 60.
 2. TOP BARS SHALL BE PLACED IN TWO MATS. BAR SIZE AND SPACING SHALL IN EACH DIRECTION BE INCLUDED IN EACH MAT OF STEEL.
 3. FLOOR REINFORCING USE #4 BARS @ 12" O/C EACH WAY FOR THE TOP MAT AND THE BOTTOM MAT OF REINFORCING.
 4. WALL, FLOOR AND TOP THICKNESS ARE IN INCHES. STEEL REINFORCEMENT SPACING IS IN INCHES.

WATER STANDARD DETAIL

- NOTES:
- SIZING OF THRUST BLOCK BASED ON THE FOLLOWING CONDITIONS:
SOIL BEARING: 1500 PSI
WORKING PRESSURE: 160 PSI
SURGE PRESSURE: 250 PSI
TOTAL DESIGN PRESSURE: 410 PSI
FACTOR OF SAFETY: 1.5
 - THRUST BLOCK CONCRETE TO BE 3500 PSI 7 DAY HIGH EARLY STRENGTH CONCRETE.
 - WRAP FITTINGS AND PIPE WITH 8 MIL POLYETHYLENE WRAPPING PRIOR TO POURING THRUST BLOCK.
 - THRUST BLOCK TO BE POURED AGAINST UNDISTURBED EARTH. IF FILL IS REQUIRED, 95% COMPACTION IS REQUIRED FOR FILL MATERIAL.
 - BEARING AREAS, VOLUMES, AND SPECIAL THRUST BLOCKING DETAILS SHOWN ON DRAWINGS ARE TO BE MAINTAINED.
 - THRUST BLOCK DIMENSIONS CAN BE MODIFIED BUT MUST STILL MAINTAIN THE SURFACE AREA FOOTPRINT AGAINST THE SOIL.
 - LEAVE ALL PIPE JOINTS COMPLETELY ACCESSIBLE. DO NOT POUR CONCRETE OVER ANY PIPE JOINTS.
 - ALL CALCULATIONS SHALL BE SUBMITTED FOR REVIEW.

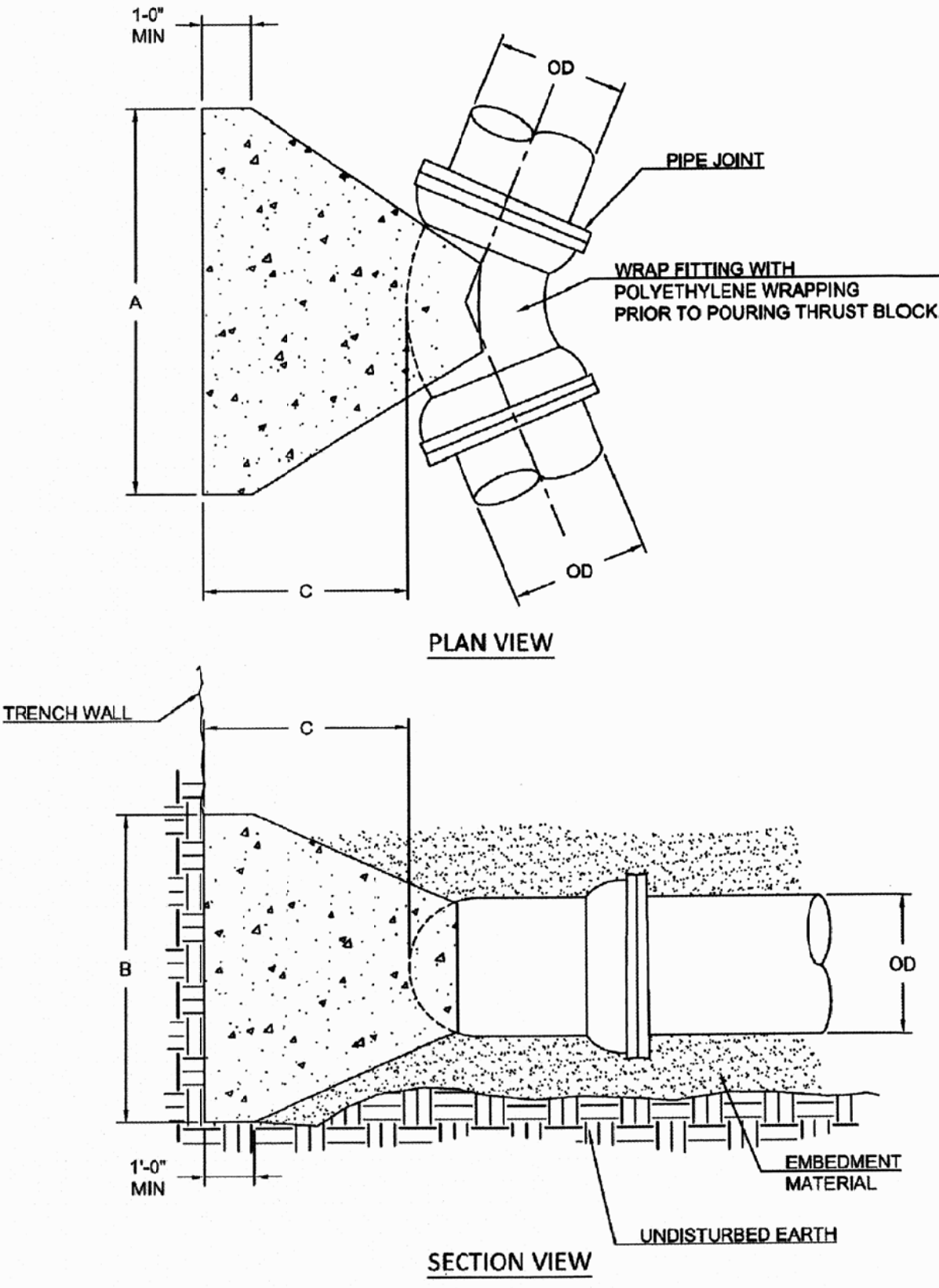
Pipe Dia (in)	Thrust (Tons)	Dim "A" (ft)	Dim "B" (ft)	Dim "C" (ft)	Area (sq ft)	Volume (cu yd)
4	3.4	3.00	1.50	1.00	4.52	0.04
6	7.0	4.25	2.25	1.00	9.35	0.13
8	12.1	5.50	3.00	1.25	16.08	0.31
10	18.1	7.00	3.50	1.50	24.19	0.53
12	25.7	8.00	4.25	1.75	34.21	0.88
14	34.5	9.25	5.00	2.00	45.96	1.43
16	44.6	11.00	5.50	2.25	59.45	2.05
18	56.0	12.00	6.25	2.50	74.66	2.89
20	68.7	14.00	6.50	2.75	91.61	3.65
24	98.0	18.75	7.00	3.25	130.70	5.67
30	150.8	27.00	7.50	3.75	201.06	9.38

HORIZONTAL THRUST BLOCK - TEES, PLUGS, VALVES

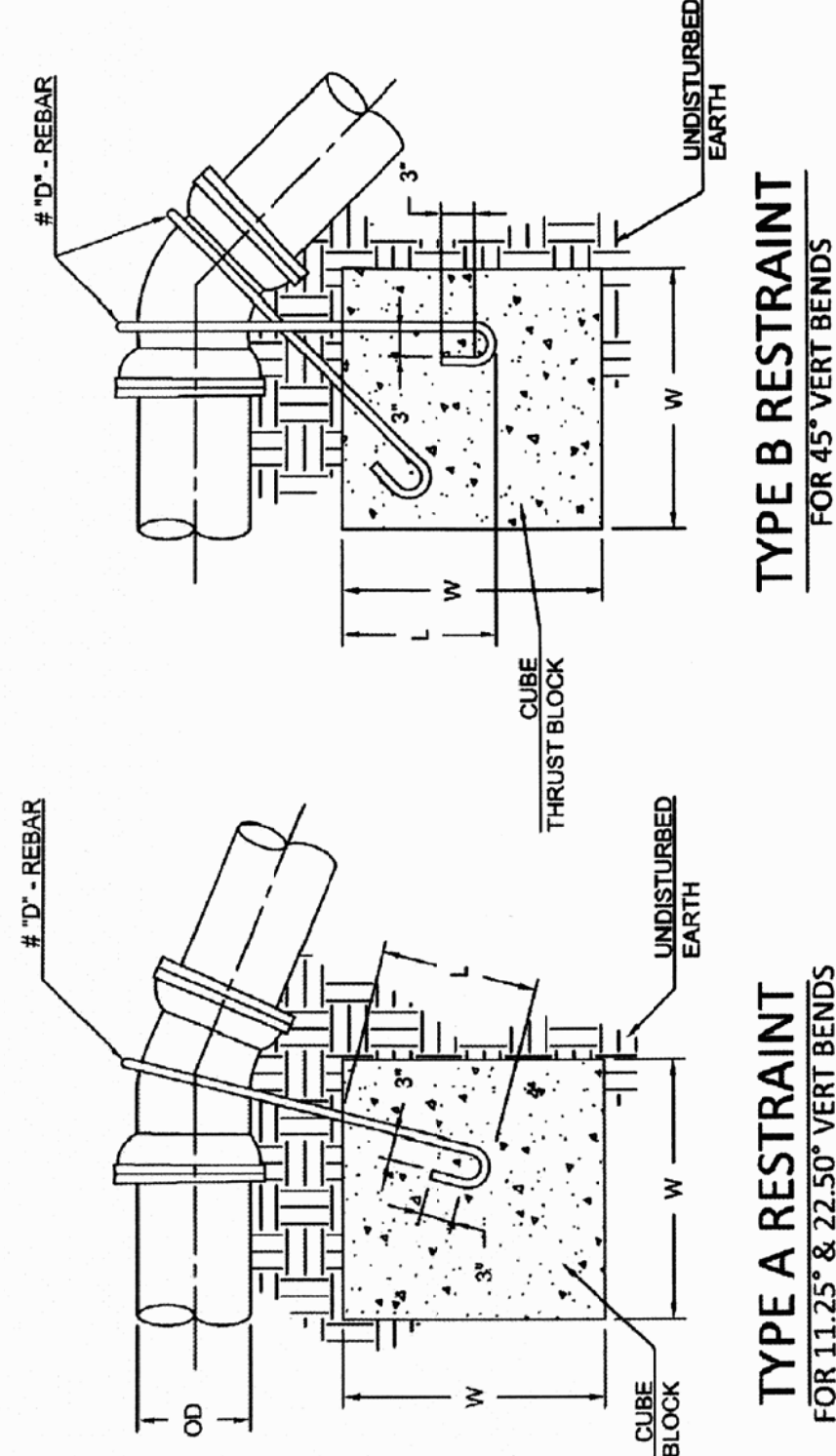
2 OF 2

06/13/14 DATE: 06/13/14
APPROVED BY: ERIC J. WENGER, P.E., CITY ENGINEER
DATE: 8/7/14
APPROVED BY: MARSHA W. SLAUGHTER, P.E., UTILITIES DIRECTOR
DATE: 8/7/14
OKLAHOMA CITY UTILITIES DEPARTMENT
W-41

WATER STANDARD DETAIL



WATER STANDARD DETAIL



VERTICAL THRUST BLOCK - BENDS

1 OF 2

06/13/14 DATE: 06/13/14
APPROVED BY: ERIC J. WENGER, P.E., CITY ENGINEER
DATE: 8/7/14
APPROVED BY: MARSHA W. SLAUGHTER, P.E., UTILITIES DIRECTOR
DATE: 8/7/14
OKLAHOMA CITY UTILITIES DEPARTMENT
W-42

WATER STANDARD DETAIL

Area of Thrust Block (sf)

Pipe Dia (in)	90 Deg Bend	45 Deg Bend	22.5 Deg Bend
4	6.40	3.46	1.77
6	13.22	7.15	3.65
8	22.74	12.31	6.27
10	34.21	18.52	9.44
12	48.38	26.18	13.35
14	65.00	35.18	17.99
16	84.07	45.50	23.19
18	105.59	57.14	29.13
20	129.55	70.11	35.74
24	184.84	100.03	51.00
30	284.34	153.89	78.45

Volume of Thrust Block (cy)

Pipe Dia (in)	90 Deg Bend	45 Deg Bend	22.5 Deg Bend
4	0.07	0.03	0.01
6	0.20	0.09	0.03
8	0.42	0.19	0.07
10	0.64	0.25	0.13
12	1.50	0.57	0.21
14	2.25	0.95	0.33
16	3.26	1.32	0.51
18	4.24	1.96	0.72
20	5.41	2.61	0.95
24	8.27	4.22	1.58
30	14.49	7.12	3.01

- NOTES:
- SIZING OF THRUST BLOCK BASED ON THE FOLLOWING CONDITIONS:
SOIL BEARING: 1500 PSI
WORKING PRESSURE: 160 PSI
SURGE PRESSURE: 250 PSI
TOTAL DESIGN PRESSURE: 410 PSI
FACTOR OF SAFETY: 1.5
 - THRUST BLOCK CONCRETE TO BE 3500 PSI 7 DAY HIGH EARLY STRENGTH CONCRETE.
 - WRAP FITTINGS AND PIPE WITH 8 MIL POLYETHYLENE WRAPPING PRIOR TO POURING THRUST BLOCK.
 - THRUST BLOCK TO BE POURED AGAINST UNDISTURBED EARTH. IF FILL IS REQUIRED, 95% COMPACTION IS REQUIRED FOR FILL MATERIAL.
 - BEARING AREAS, VOLUMES, AND SPECIAL THRUST BLOCKING DETAILS SHOWN ON DRAWINGS ARE TO BE MAINTAINED.
 - THRUST BLOCK DIMENSIONS CAN BE MODIFIED BUT MUST STILL MAINTAIN THE SURFACE AREA FOOTPRINT AGAINST THE SOIL.
 - LEAVE ALL PIPE JOINTS COMPLETELY ACCESSIBLE. DO NOT POUR CONCRETE OVER ANY PIPE JOINTS.
 - ALL CALCULATIONS SHALL BE SUBMITTED FOR REVIEW.

WATER STANDARD DETAIL

Type A Restraint

Pipe Dia (inches)	Band (deg)	Side of Cube (ft)	Bar Dia (in)	Volume (cu ft)
4	11.25	2.00	#5	2.00
6	22.50	2.75	#5	2.00
8	11.25	2.75	#5	2.00
12	22.50	3.50	#5	2.00
16	11.25	3.25	#5	2.00
20	22.50	4.00	#5	2.00
24	11.25	4.00	#5	2.00
30	22.50	5.25	#7	3.00
36	11.25	5.25	#7	3.00
42	22.50	6.25	#7	4.00
48	11.25	5.75	#8	3.50
54	22.50	7.25	#8	4.00
60	11.25	6.50	#8	4.00
66	22.50	8.00	#8	4.00
72	11.25	7.50	#8	4.00
78	22.50	9.25	#8	4.00

- NOTES:
- SIZING OF THRUST BLOCK BASED OFF THE FOLLOWING CONDITIONS:
SOIL BEARING: 1500 PSI
WORKING PRESSURE: 160 PSI
SURGE PRESSURE: 250 PSI
TOTAL DESIGN PRESSURE: 410 PSI
FACTOR OF SAFETY: 1.5
 - THRUST BLOCK CONCRETE TO BE 3500 PSI 7 DAY HIGH EARLY STRENGTH CONCRETE.
 - WRAP FITTINGS AND PIPE WITH 8 MIL POLYETHYLENE WRAPPING PRIOR TO POURING THRUST BLOCK.
 - THRUST BLOCK TO BE POURED AGAINST UNDISTURBED EARTH. IF FILL IS REQUIRED, 95% COMPACTION IS REQUIRED FOR FILL MATERIAL.
 - BEARING AREAS, VOLUMES, AND SPECIAL THRUST BLOCKING DETAILS SHOWN ON DRAWINGS TAKE PRECEDENCE OVER THIS PLAN.
 - THRUST BLOCK DIMENSIONS CAN BE MODIFIED BUT MUST STILL MAINTAIN THE SURFACE AREA FOOTPRINT AGAINST THE SOIL.
 - LEAVE ALL PIPE JOINTS COMPLETELY ACCESSIBLE. DO NOT POUR CONCRETE OVER ANY PIPE JOINTS.
 - EPOXY COATED REBAR MINIMUM STRESS YIELD STRENGTH OF 60,000 PSI.
 - FITTINGS GREATER THAN 36-INCH REQUIRE CALCULATIONS FROM ENGINEER TO BE SUBMITTED FOR REVIEW.

VERTICAL THRUST BLOCK - BENDS

2 OF 2

06/13/14 DATE: 06/13/14
APPROVED BY: ERIC J. WENGER, P.E., CITY ENGINEER
DATE: 8/7/14
APPROVED BY: MARSHA W. SLAUGHTER, P.E., UTILITIES DIRECTOR
DATE: 8/7/14
OKLAHOMA CITY UTILITIES DEPARTMENT
W-43

WATER STANDARD DETAIL

Dimension "A" (ft)

Pipe Dia (in)	90 Deg Bend	45 Deg Bend	22.5 Deg Bend
4	3.75	2.75	1.75
6	5.25	3.50	2.50
8	7.50	5.00	3.50
10	8.50	6.25	4.25
12	9.75	7.50	5.50
14	12.00	8.50	6.00
16	13.50	9.50	6.75
18	16.25	10.50	7.25
20	19.25	11.75	8.50
24	25.50	15.00	10.25
30	34.50	20.00	12.50

Dimension "B" (ft)

Pipe Dia (in)	90 Deg Bend	45 Deg Bend	22.5 Deg Bend
4	1.75	1.25	1.00
6	2.50	2.00	1.50
8	3.00	2.50	1.75
10	4.00	3.00	2.25
12	5.00	3.50	2.50
14	5.50	4.25	3.00
16	6.25	4.75	3.50
18	6.50	5.50	4.00
20	6.75	6.00	4.25
24	7.25	6.75	5.00
30	8.25	7.50	6.25

Dimension "C" (ft)

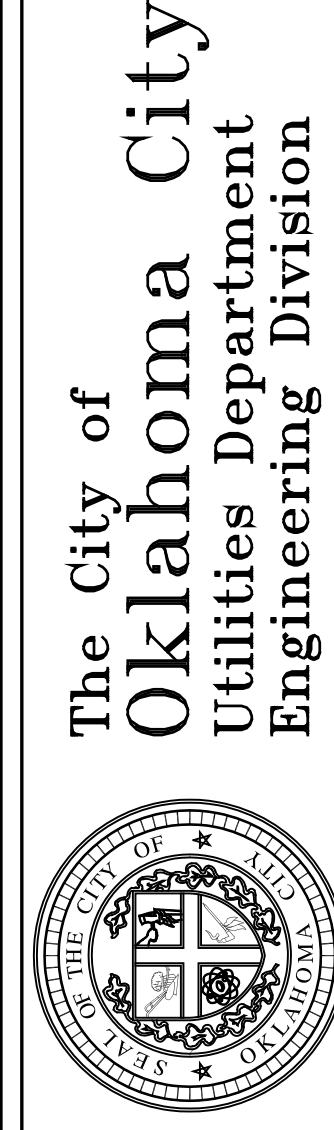
Pipe Dia (in)	90 Deg Bend	45 Deg Bend	22.5 Deg Bend
4	0.88	0.63	0.50
6	1.25	1.00	0.75
8	1.50	1.25	0.88
10	2.00	1.50	1.13
12	2.50	1.75	1.25
14	2.75	2.13	1.50
16	3.13	2.38	1.75
18	3.25	2.75	2.00
20	3.38	3.00	2.13
24	3.63	3.38	2.50
30	4.13	3.75	3.13

WATER STANDARD DETAILS

DATE: 08/07/14
DRAWN BY: JDS
CHECKED BY: MWS/EJW

SCALE:
AS SHOWN

SHEET NUMBER
W-STD-06



The City of
Oklahoma City
Utilities Department
Engineering Division

OWNER'S CERTIFICATE AND DEDICATION

KNOW ALL MEN BY THESE PRESENTS: That EP Leasing, 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.

EP Leasing, LLC

Daniel Remington, 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 Daniel Remington, 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 the Northwest Quarter (NW/4) of Section Five (5), Township Six North (T6N), Range Seven West (R7W) of the Indian Meridian (I.M.), Chickasha, Grading County, Oklahoma, more particularly described by metes and bounds as follows:

COMMENCING at the Northwest corner of said NW/4; thence S00°03'38"W along said West line a distance of 468.34 feet to the POINT OF BEGINNING; thence

S89°58'33"E a distance of 246.62 feet; thence
N58°23'01"E a distance of 241.42 feet; thence
N89°57'43"E a distance of 871.98 feet; thence
S00°13'17"W a distance of 59.78 feet; thence
S46°22'05"W a distance of 1327.32 feet; thence
S89°50'58"W a distance of 364.17 feet to a point on the West line of said NW/4; thence
N00°03'38"E along said West line a distance of 849.58 feet to the POINT OF BEGINNING.

Said tract contains 807,630 Sq Ft or 18.54 Acres, more or less.

LAND SURVEYOR'S CERTIFICATE

I, JEREMY A. LAWSON, 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.

JEREMY A. LAWSON, LPLS 1916

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 JEREMY A. LAWSON, 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

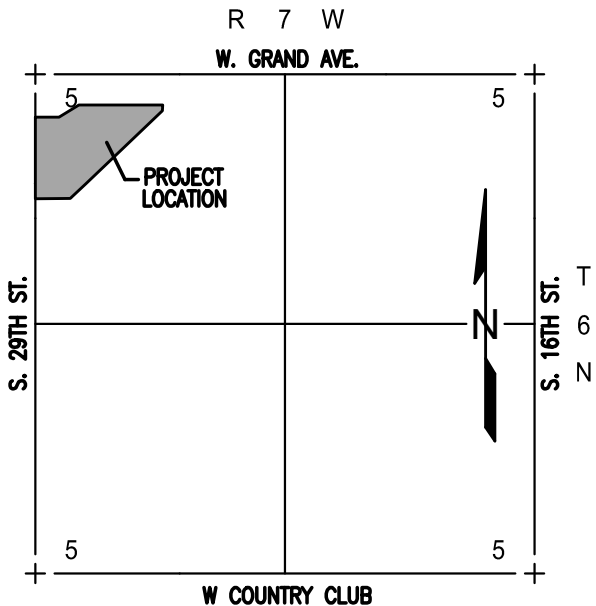
NOTARY PUBLIC, #03005138

CITY PLANNING COMMISSION APPROVAL

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

PLANNING DIRECTOR

FINAL PLAT
OF
SCISSORTAIL CROSSING
A PART OF THE NW/4 OF SECTION 5, T6N, R7W, I.M.
CHICKASHA, GRADY COUNTY, OKLAHOMA



LOCATION MAP
SCALE: 1" = 2000'

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 EP Leasing, 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 _____, _____.
WARRANTY TITLE & 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 _____, 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 _____, _____.
CITY CLERK MAYOR

ATTEST:

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 installments 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"
- Maintenance of the Common Areas and Islands/Medians in Public Rights-of-Way shall be the responsibility of the Property Owners and/or Property Owners Association. No structures, storage of material, grading, fill, or other obstructions, either temporary or permanent shall be placed within the drainage related common areas and/or drainage areas shown. Certain amenities such as, but not limited to, walks, benches, piers, and docks, shall be permitted if installed in a manner to meet the requirements specified above.
- A sidewalk is required on each lot where it abuts a local and/or a collector street. The sidewalk is required at the Building Permit Stage and must be installed prior to the issuance of a Certificate of Occupancy from the City of Oklahoma City for the applicable lot.
- Two 1½ inch caliper trees, or one 3-inch caliper tree, shall be planted in the front yard of all lots where the garage extends beyond the front wall of a residence, towards the street Right-of-Way.

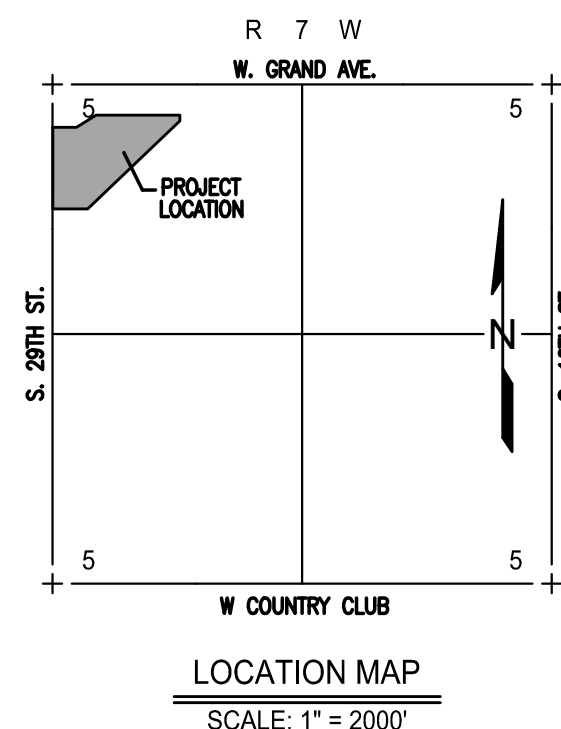
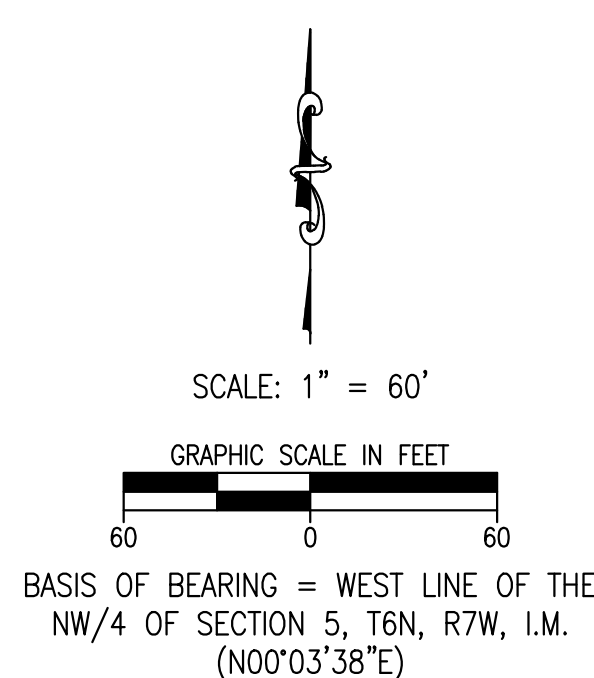
FINAL PLAT
SCISSORTAIL CROSSING

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: 01/13/23
PROJECT NO.: 21618600

CERTIFICATE OF AUTHORIZATION
CA 973 (PE&S) EXPIRES 6/30/2024



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
(NR)	NONRADIAL LINE
L.N.A.	LIMITS OF NO ACCESS
C/A	COMMON AREA
(ESMT.)	EASEMENT

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.

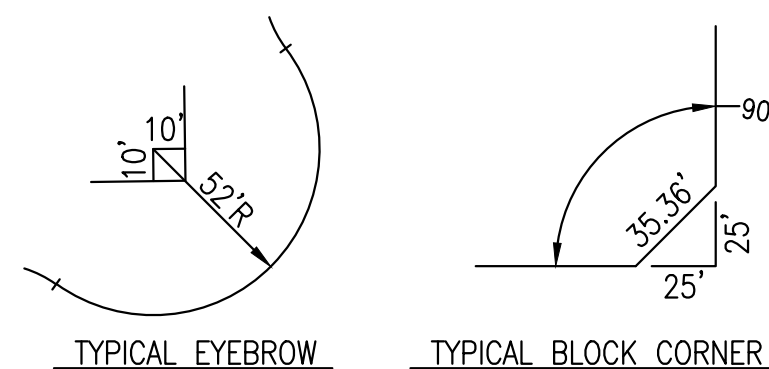
NOTES

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. Maintenance of the Common Areas and Islands/Medians in Public Rights-of-Way shall be the responsibility of the Property Owners and/or Property Owners Association. No structures, storage of material, grading, fill, or other obstructions, either temporary or permanent shall be placed within the drainage related common areas and/or drainage areas shown. Certain amenities such as, but not limited to, walks, benches, piers, and docks, shall be permitted if installed in a manner to meet the requirements specified above.
4. A sidewalk is required on each lot where it abuts a local and/or a collector street. The sidewalk is required at the Building Permit Stage and must be installed prior to the issuance of a Certificate of Occupancy from the City of Oklahoma City for the applicable lot.
5. Two 14 inch caliper trees, or one 3-inch caliper tree, shall be planted in the front yard of all lots where the garage extends beyond the front wall of a residence, towards the street Right-of-Way.

LINE TABLE		
LINE #	LENGTH	DIRECTION
L1	25.00'	N33° 43' 07"W
L2	27.00'	N00° 03' 38"E
L3	35.36'	S44° 56' 22"E
L4	35.36'	S45° 03' 38"W
L5	35.36'	S45° 03' 38"W
L6	35.36'	S44° 56' 22"E
L7	35.36'	S45° 03' 38"W
L8	35.36'	S44° 56' 22"E
L9	34.65'	S70° 58' 29"E
L10	38.52'	N11° 11' 42"E
L11	90.00'	N09° 10' 28"W
L12	38.59'	N12° 56' 22"W
L13	25.00'	S12° 07' 56"W
L14	15.00'	S02° 44' 50"E
L15	15.00'	S89° 56' 22"E

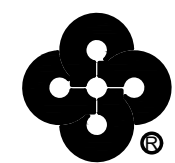
CURVE TABLE					
CURVE #	LENGTH	RADIUS	DELTA	CHORD DIRECTION	CHORD LENGTH
C1	22.25'	35.00'	03625°43"	N18° 09' 13"W	21.88'
C2	147.80'	52.00'	16251°26"	S45° 03' 38"W	102.84'
C3	22.25'	35.00'	03625°43"	S71° 45' 30"E	21.88'
C4	189.26'	275.00'	03925°58"	N70° 20' 39"E	185.55'
C5	206.47'	300.00'	03925°58"	N70° 20' 39"E	202.42'
C6	141.58'	325.00'	02457°33"	N77° 34' 52"E	140.46'
C7	86.03'	125.00'	03925°58"	S70° 20' 39"W	84.34'
C8	68.82'	100.00'	03925°58"	S70° 20' 39"W	67.47'
C9	51.62'	75.00'	03925°58"	S70° 20' 39"W	50.60'
C10	224.81'	52.00'	24742°33"	N33° 54' 54"E	86.37'
C11	41.36'	35.00'	06742°33"	N56° 05' 06"W	39.00'
C12	22.25'	35.00'	03625°43"	N18° 16' 30"E	21.88'
C13	147.80'	52.00'	16251°26"	S44° 56' 22"E	102.84'
C14	22.25'	35.00'	03625°43"	S71° 50' 47"W	21.88'
C15	67.23'	88.16'	04341°33"	N68° 12' 52"E	65.61'

CURVE TABLE					
CURVE #	LENGTH	RADIUS	DELTA	CHORD DIRECTION	CHORD LENGTH
C16	86.29'	113.16'	04°34'13"3"	N68° 12' 52"E	84.21'
C17	105.35'	138.16'	04°34'13"3"	N68° 12' 52"E	102.82'
C18	60.62'	75.00'	04°18'12"2"	N23° 12' 52"E	58.98'
C19	80.82'	100.00'	04°18'12"2"	N23° 12' 52"E	78.64'
C20	101.03'	125.00'	04°18'12"2"	N23° 12' 52"E	98.30'
C21	20.06'	75.00'	01°15'39"9"	N07° 36' 11"W	20.00'
C22	58.96'	100.00'	03°34'45"5"	N16° 49' 45"W	58.11'
C23	49.62'	125.00'	02°24'33"3"	N11° 18' 36"W	49.29'



FINAL PLAT
SCISSORTAIL CROSSING

300 Pointe Parkway Blvd.
Yukon, Oklahoma 73095



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

SHEET NO.: 2 OF 2
DATE: 01/13/23
PROJECT NO.: 21618600



City of
CHICKASHA

Meeting Type: Planning Commission 2.14.23

Meeting Date: 2/14/2023

Department: Community Development

Agenda Item No. 2.c.

AGENDA ITEM: Discussion, Consideration and Possible action to approve the final plat for Scissortail Crossing for Applicant EP Leasing.

I. BACKGROUND/DESCRIPTION:

II. RECOMMENDED ACTION:

III. FISCAL INFORMATION -

IV. FUND INFORMATION:

Dept. Director:
NAME, TITLE

Fund	Account	Amount
(To)		
FUND	ACCOUNT	AMOUNT
(From)		

Meeting Date:
February 14, 2023

V. ATTACHMENTS: