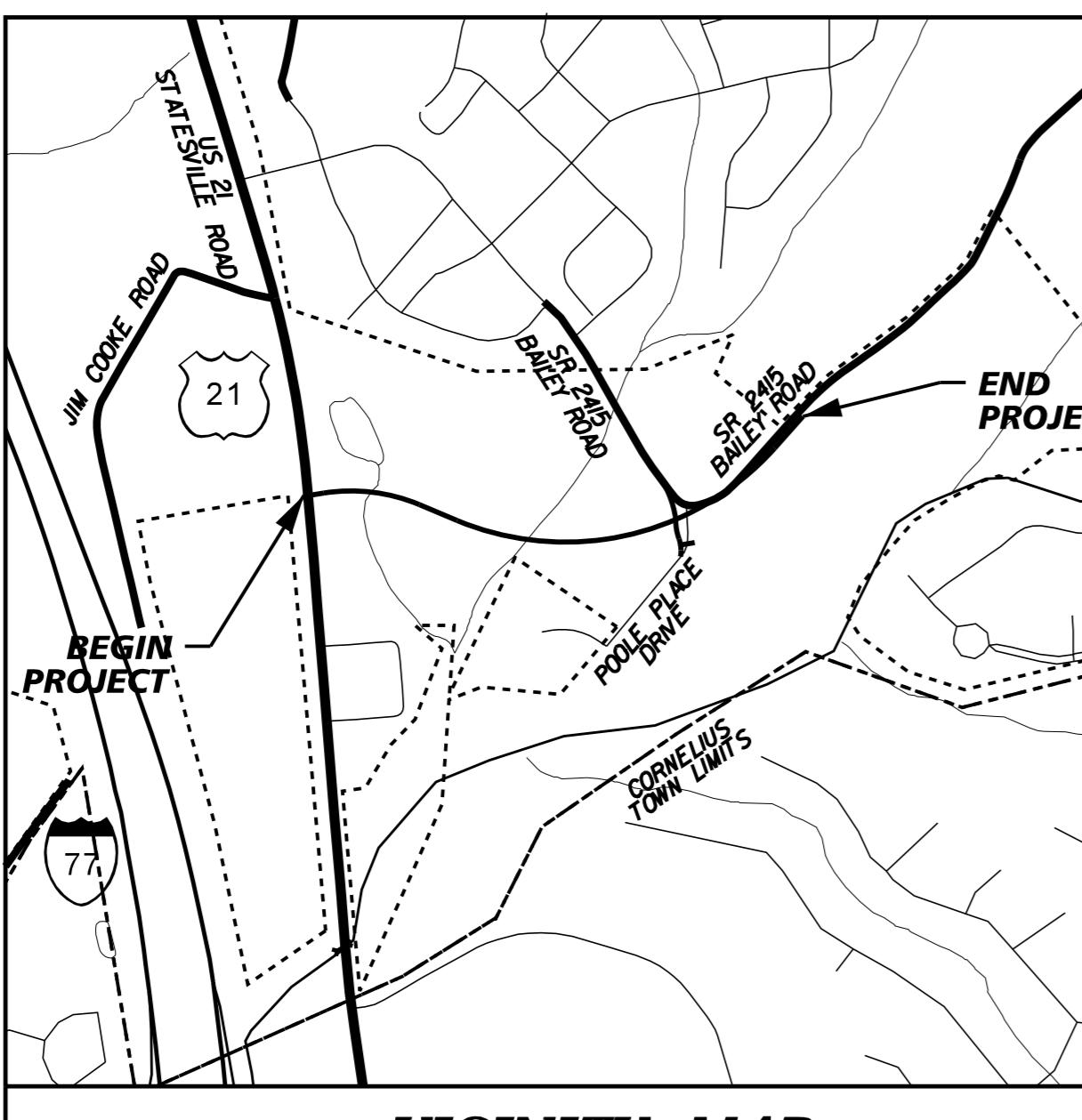


09/08/99

CONTRACT: C205095**TIP PROJECT: U-6105****VICINITY MAP***Note: Not to Scale*

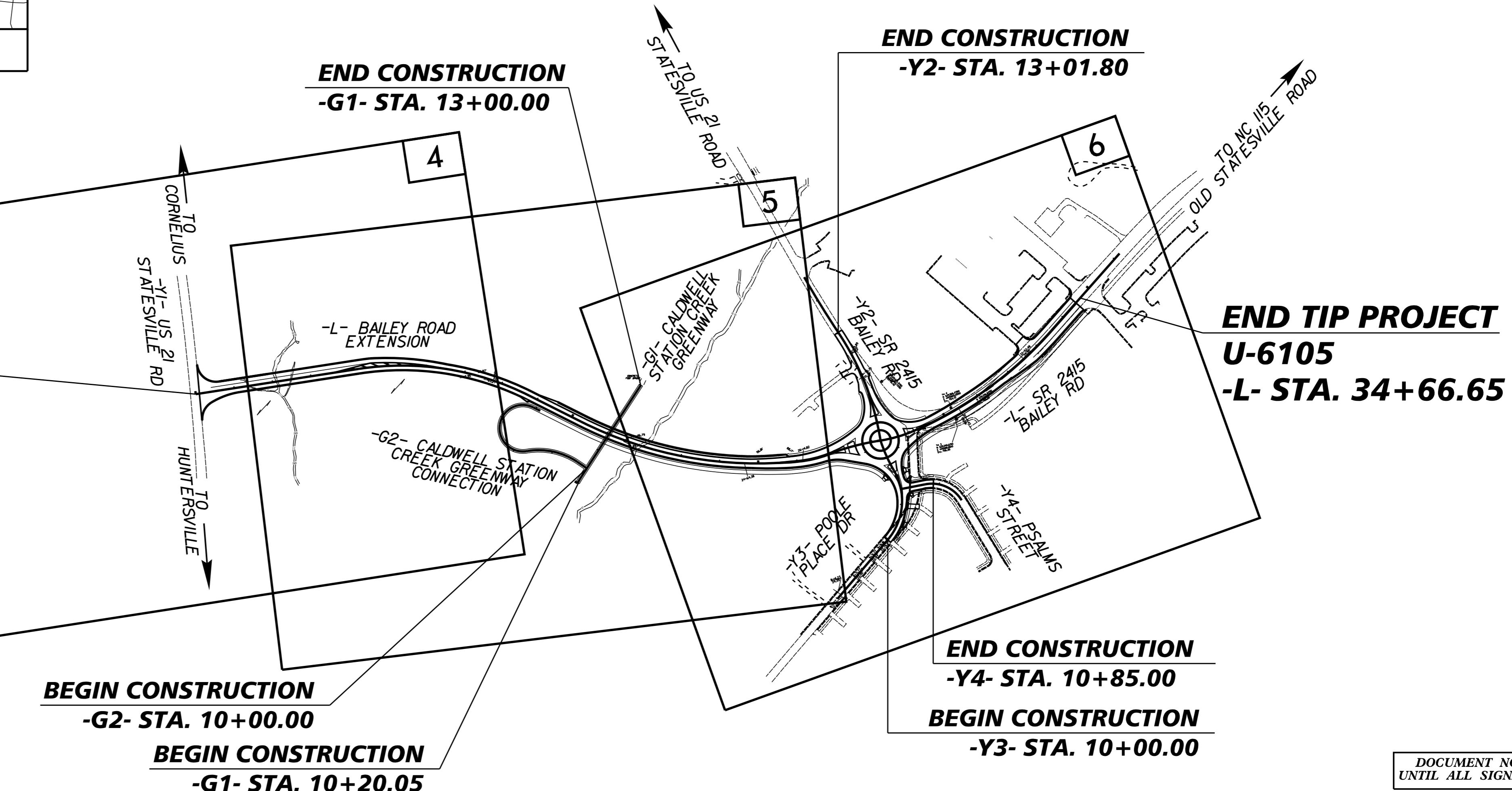
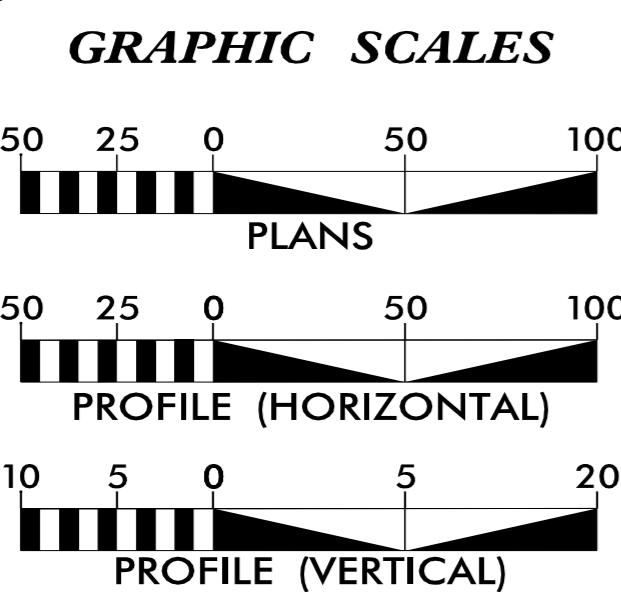
BEGIN TIP PROJECT
U-6105
-L- STA. 10+00.00

STATE OF NORTH CAROLINA
 DIVISION OF HIGHWAYS

MECKLENBURG COUNTY

**LOCATION: SR 2415 (BAILEY ROAD) FROM POOLE PLACE DRIVE TO US 21 (STATESVILLE ROAD) IN CORNELIUS
 CONSTRUCT ROADWAY ON NEW LOCATION**

TYPE OF WORK: POTABLE WATER AND GRAVITY SANITARY SEWER RELOCATION

DOCUMENT NOT CONSIDERED FINAL
 UNTIL ALL SIGNATURES ARE COMPLETED**SHEET NO.:****INDEX OF SHEETS**
DESCRIPTION:

UC-1
 UC-2
 UC-2A
 UC-3
 UC-3A THRU UC-3F
 UC-4 THRU UC-6
 UC-7

TITLE SHEET
 UTILITY SYMBOLOGY
 UTILITY PERMIT
 UTILITY NOTES
 UTILITY DETAILS
 UTILITY CONSTRUCTION SHEETS
 UTILITY PROFILE SHEETS

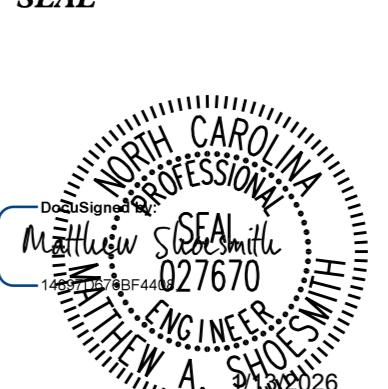
**WATER AND SEWER
 OWNERS ON PROJECT**

(A) WATER - CHARLOTTE WATER
 (C) SANITARY SEWER - CHARLOTTE WATER

PREPARED IN THE OFFICE OF

Kimley » HornNC LICENSE #P-102
 1000 DEADERICK STREET, SUITE 200
 CHARLOTTE, NORTH CAROLINA 28202
 PHONE (704) 333-1200

MATTHEW SHOESMITH, PE UTILITIES PROJECT ENGINEER
 SOPHIA JOHNSTON, P.E. UTILITIES DESIGN ENGINEER

SEAL

**DIVISION OF HIGHWAYS
 UTILITIES UNIT**
 1555 MAIL SERVICES CENTER
 RALEIGH NC 27699-1555
 PHONE (919) 707-6690
 FAX (919) 250-4151

| | |
|----------------|-----------------------------|
| Michael Bright | UTILITIES REGIONAL ENGINEER |
| N/A | UTILITIES ENGINEER |
| Amy G. Dupree | UTILITIES AREA COORDINATOR |
| N/A | UTILITIES COORDINATOR |

STATE OF NORTH CAROLINA, DIVISION OF HIGHWAYS
CONVENTIONAL PLAN SHEET SYMBOLS

Kimley Horn
200 SOUTH TRYON ST, SUITE 200
CHARLOTTE, N.C. 28202

PROJECT REFERENCE NO. U-6105
SHEET NO. UC-2

Note: Not to Scale

BOUNDARIES AND PROPERTY:

State Line _____

County Line _____

Township Line _____

City Line _____

Reservation Line _____

Property Line _____

Existing Iron Pin (EIP) 

Computed Property Corner 

Existing Concrete Monument (ECM) 

Parcel/Sequence Number 

Existing Fence Line 

Proposed Woven Wire Fence 

Proposed Chain Link Fence 

Proposed Barbed Wire Fence 

Existing Wetland Boundary 

Proposed Wetland Boundary 

Existing Endangered Animal Boundary 

Existing Endangered Plant Boundary 

Existing Historic Property Boundary 

Known Contamination Area: Soil 

Potential Contamination Area: Soil 

Known Contamination Area: Water 

Potential Contamination Area: Water 

Contaminated Site: Known or Potential 

BUILDINGS AND OTHER CULTURE:

Gas Pump Vent or U/G Tank Cap 

Sign 

Well 

Small Mine 

Foundation 

Area Outline 

Cemetery 

Building 

School 

Church 

Dam 

HYDROLOGY:

Stream or Body of Water _____

Hydro, Pool or Reservoir 

Jurisdictional Stream 

Buffer Zone 1 

Buffer Zone 2 

Flow Arrow 

Disappearing Stream 

Spring 

Wetland 

Proposed Lateral, Tail, Head Ditch 

False Sump 

RAILROADS:

Standard Gauge _____

RR Signal Milepost _____

Switch _____

RR Abandoned _____

RR Dismantled _____

RIGHT OF WAY & PROJECT CONTROL:

Primary Horiz Control Point 

Primary Horiz and Vert Control Point 

Secondary Horiz and Vert Control Point 

Vertical Benchmark 

Existing Right of Way Monument 

Proposed Right of Way Monument (Rebar and Cap) 

Proposed Right of Way Monument (Concrete) 

Existing Permanent Easement Monument 

Proposed Permanent Easement Monument (Rebar and Cap) 

Existing C/A Monument 

Proposed C/A Monument (Rebar and Cap) 

Proposed C/A Monument (Concrete) 

Existing Right of Way Line 

Proposed Right of Way Line 

Existing Control of Access Line 

Proposed Control of Access Line 

Proposed ROW and CA Line 

Existing Easement Line 

Proposed Temporary Construction Easement 

Proposed Temporary Drainage Easement 

Proposed Permanent Drainage Easement 

Proposed Permanent Utility Easement 

Proposed Temporary Utility Easement 

Proposed Aerial Utility Easement 

ROADS AND RELATED FEATURES:

Existing Edge of Pavement _____

Existing Curb _____

Proposed Slope Stakes Cut 

Proposed Slope Stakes Fill 

Proposed Curb Ramp 

Existing Metal Guardrail 

Proposed Guardrail 

Existing Cable Guiderrail 

Proposed Cable Guiderrail 

Equality Symbol 

Pavement Removal 

VEGETATION:

Single Tree

Single Shrub

Hedge

Standard Gauge _____

RR Signal Milepost _____

Switch _____

RR Abandoned _____

RR Dismantled _____

RAILROADS:

Woods Line _____

Orchard _____

Vineyard _____

EXISTING STRUCTURES:

MAJOR:

Bridge, Tunnel or Box Culvert 

Bridge Wing Wall, Head Wall and End Wall 

MINOR:

Head and End Wall 

Pipe Culvert 

Footbridge 

Drainage Box: Catch Basin, DI or JB 

Paved Ditch Gutter 

Storm Sewer Manhole 

Storm Sewer 

UTILITIES:

* SUE - Subsurface Utility Engineering

LOS - Level of Service - A,B,C or D (Accuracy)

POWER:

Existing Power Pole 

Proposed Power Pole 

Existing Joint Use Pole 

Proposed Joint Use Pole <img alt="Proposed joint use pole symbol"

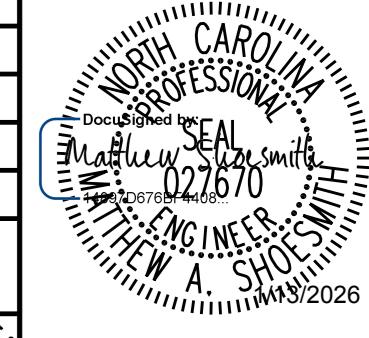
5/14/93



CHARLOTTE, NORTH CAROLINA

Kimley Horn
©2002
200 SOUTH TRYON ST, SUITE 200
CHARLOTTE, N.C. 28202

| PROJECT REFERENCE NO. | SHEET NO. |
|----------------------------------------------------------------------------|-----------|
| U-6105 | UC-2A |
| DESIGNED BY: MAS | |
| DRAWN BY: SJJ | |
| CHECKED BY: MAS | |
| APPROVED BY: --- | |
| REVISED: | |
| NORTH CAROLINA DEPARTMENT OF TRANSPORTATION | |
| UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151 | |
| UTILITY CONSTRUCTION PLANS ONLY | |



UTILITY CONSTRUCTION

APPLICATION FOR NON-DISCHARGE PERMIT
GRAVITY SEWER MAIN EXTENSION
CHARLOTTE WATERPROJECT NAME: NC DOT PROJECT U-6105 BAILEY RD ROUNABOUT CREEK BASIN McDowellCLTWATER PROJECT NO.: CPM-PROJECT TYPE: NEW CONSTRUCTION RELOCATION MODIFICATION OF PERMIT NO. OTHER VOLUME OF WASTEWATER GENERATED BY THIS PROJECT: 0 GALLONS PER DAY BASED
ON 190 GAL/DAY/SINGLE FAMILY HOUSEHOLD X HOUSEHOLDS OR
135 GAL/DAY/MULTI-FAMILY UNIT X UNITS OR IS BASED ONWASTEWATER TREATMENT PLANT RECEIVING WASTEWATER:
 McALPINE CR. (NC0024970) IRWIN CR. (NC0024945) McDOWELL CR. (NC0036277)
 SUGAR CR. (NC0024937) MALLARD CR. (NC0030210) ROCKY CR. (NC0036269)
 NATURE OF WASTEWATER 100 % DOMESTIC % INDUSTRIAL
 % COMMERCIAL % OTHER ORIGIN OF WASTEWATER SUBDIVISION COMMERCIAL
 SCHOOL INDUSTRIAL
 APARTMENTS/CONDO'S OTHERLIST ANY PARAMETER AND ITS CONCENTRATION THAT WILL BE GREATER THAN NORMAL DOMESTIC LEVELS:
 IF WASTEWATER IS NON-DOMESTIC, DESCRIBE LEVEL OF PRETREATMENT:
 IF A PRETREATMENT PERMIT IS REQUIRED, HAS ONE BEEN ISSUED? YES NOHAS ENGINEER DETERMINED THAT DOWNSTREAM SEWERS ARE CAPABLE TO HANDLE THIS FLOW? YES NO
PERMIT NO. FOR SEWERS IMMEDIATELY DOWNSTREAM PIPE DIAMETER OF SEWERS IMMEDIATELY DOWNSTREAM HAS ENGINEER DETERMINED THAT NC DEM AND CLTWATER MINIMUM DESIGN STANDARDS ARE MET BY THIS
PROJECT? YES NOCOMPLETE NAME AND ADDRESS OF ENGINEERING DESIGN FIRM:
KIMLEY-HORN AND ASSOCIATES
200 SOUTH TRYON STREET #200
CHARLOTTE, NORTH CAROLINA 28202TELEPHONE (704) 333-5131

PROFESSIONAL ENGINEER'S CERTIFICATION

I, MATTHEW SHOESMITH, ATTEST THAT THIS APPLICATION FOR McDowell Sewer Relocation
 HAS BEEN REVIEWED BY ME AND IS ACCURATE AND COMPLETE TO THE
 BEST OF MY KNOWLEDGE. I FURTHER ATTEST THAT TO THE BEST OF MY KNOWLEDGE THE PROPOSED DESIGN HAS BEEN
 PREPARED IN ACCORDANCE WITH THE APPLICABLE REGULATIONS. ALTHOUGH CERTAIN PORTIONS OF THIS SUBMITTAL
 PACKAGE MAY HAVE BEEN DEVELOPED BY OTHER PROFESSIONALS, INCLUSION OF THESE MATERIALS UNDER MY
 SIGNATURE AND SEAL SIGNIFIES THAT I HAVE REVIEWED THIS MATERIAL AND HAVE JUDGED IT TO BE CONSISTENT WITH
 THE PROPOSED DESIGN.

NORTH CAROLINA PROFESSIONAL ENGINEER'S SEAL, SIGNATURE, AND DATE:

CLTWATER PERMIT NO. ISSUED PLANT FLOW ALLOCATION RECORDED BY: PERMIT APPROVED BY: JOSEPH C WILSON, P.E., CHIEF ENGINEER

APPLICATION FOR PERMIT FOR WATER MAIN EXTENSION

PROJECT NAME: U-6105 BAILEY RD ROUNABOUTCLTWATER PROJECT NO.: PROJECT DESCRIPTION: Replace approx. 780 LF of 8" DI PC 350 Water Main and
Appurtenances along new Bailey Rd Roundabout.DESIGNED BY: FIRM: KIMLEY-HORN AND ASSOCIATESENGINEER: MATTHEW SHOESMITHADDRESS: 200 SOUTH TRYON STREET #200
CHARLOTTE, NORTH CAROLINA 28202PHONE: (704) 333-5131

THIS APPLICATION IS MADE UNDER AND IN FULL ACCORD WITH THE PROVISIONS OF CHAPTER 130A-317 OF THE
 NORTH CAROLINA GENERAL STATUTES, AND SUCH OTHER STATUTES AS RELATED TO PUBLIC WATER SYSTEMS.
 CLTWATER HAS BEEN GRANTED AUTHORITY TO ISSUE PERMITS FOR EXTENSION OF WATER MAINS PURSUANT TO
 15A NCAC 18C.1801. THE APPLICANT AGREES THAT NO SIGNIFICANT CHANGE OR DEVIATION FROM THE PLANS
 AND SPECIFICATIONS APPROVED BY CLTWATER WILL BE MADE WITHOUT THE WRITTEN CONSENT AND APPROVAL
 OF CLTWATER OR ITS AUTHORIZED REPRESENTATIVE. A PROFESSIONAL ENGINEER LICENSED TO PRACTICE IN THE
 STATE OF NORTH CAROLINA SHALL SUBMIT A STATEMENT REFLECTING THAT ADEQUATE OBSERVATIONS DURING
 AND UPON COMPLETION OF CONSTRUCTION INDICATES THAT CONSTRUCTION WAS COMPLETED IN ACCORDANCE
 WITH APPROVED PLANS AND SPECIFICATIONS.

PERMIT NO. APPROVED: DATE

JOSEPH C WILSON, P.E., CHIEF ENGINEER
 CHARLOTTE WATER
 5100 BROOKSHIRE BLV

REVISIONS

8/27/2025

5/14/93

REVISIONS

GENERAL NOTES:

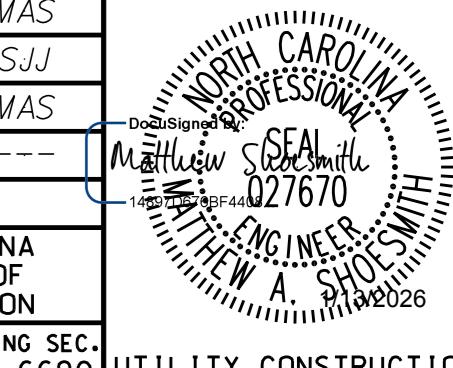
1. THE PROPOSED UTILITY CONSTRUCTION SHALL MEET THE APPLICABLE REQUIREMENTS OF THE NC DEPARTMENT OF TRANSPORTATION'S "STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES" DATED JANUARY 2024.
2. THE EXISTING UTILITIES BELONG TO CHARLOTTE WATER
3. ALL WATER LINES TO BE INSTALLED WITHIN COMPLIANCE OF THE RULES AND REGULATIONS OF THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENTAL AND NATURAL RESOURCES, DIVISION OF WATER RESOURCES, PUBLIC WATER SUPPLY SECTION. ALL SEWER LINES TO BE INSTALLED WITHIN COMPLIANCE OF THE RULES AND REGULATIONS OF THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENTAL AND NATURAL RESOURCES, WATER QUALITY SECTION. PERFORM ALL WORK IN ACCORDANCE WITH THE APPLICABLE PLUMBING CODES.
4. THE UTILITY OWNER OWNS THE EXISTING UTILITY FACILITIES AND WILL OWN THE NEW UTILITY FACILITIES AFTER ACCEPTANCE BY THE DEPARTMENT AND THE UTILITY OWNER. THE DEPARTMENT OWNS THE CONSTRUCTION CONTRACT AND HAS ADMINISTRATIVE AUTHORITY. COMMUNICATIONS AND DECISIONS BETWEEN THE CONTRACTOR AND UTILITY OWNER ARE NOT BINDING UPON THE DEPARTMENT OR THIS CONTRACT UNLESS AUTHORIZED BY THE ENGINEER. AGREEMENTS BETWEEN THE UTILITY OWNER AND CONTRACTOR FOR THE WORK THAT IS NOT PART OF THIS CONTRACT OR IS SECONDARY TO THIS CONTRACT ARE ALLOWED, BUT ARE NOT BINDING UPON THE DEPARTMENT.
5. PROVIDE ACCESS FOR THE DEPARTMENT PERSONNEL AND THE OWNER'S REPRESENTATIVES TO ALL PHASES OF CONSTRUCTION. NOTIFY DEPARTMENT PERSONNEL AND THE UTILITY OWNER TWO WEEKS PRIOR TO COMMENCEMENT OF ANY WORK AND A MINIMUM OF ONE WEEK PRIOR TO SERVICE INTERRUPTIONS AND TESTING. KEEP UTILITY OWNERS' REPRESENTATIVES INFORMED OF WORK PROGRESS AND PROVIDE OPPORTUNITY FOR INSPECTION OF CONSTRUCTION AND TESTING.
6. THE PLANS DEPICT THE BEST AVAILABLE INFORMATION FOR THE LOCATION, SIZE, AND TYPE OF MATERIAL FOR ALL EXISTING UTILITIES. MAKE INVESTIGATIONS FOR DETERMINING THE EXACT LOCATION, SIZE AND TYPE MATERIAL OF THE EXISTING FACILITIES AS NECESSARY FOR THE CONSTRUCTION OF THE PROPOSED UTILITIES AND FOR AVOIDING DAMAGE TO EXISTING FACILITIES. REPAIR ANY DAMAGE INCURRED TO EXISTING FACILITIES TO THE ORIGINAL OR BETTER CONDITION AT NO ADDITIONAL COST TO THE DEPARTMENT.
7. MAKE FINAL CONNECTIONS OF THE NEW WORK TO THE EXISTING SYSTEM WHERE INDICATED ON THE PLANS, AS REQUIRED TO FIT THE ACTUAL CONDITIONS, OR AS DIRECTED.
8. MAKE CONNECTIONS BETWEEN EXISTING AND PROPOSED UTILITIES AT TIMES MOST CONVENIENT TO THE PUBLIC, WITHOUT ENDANGERING THE UTILITY SERVICE, AND IN ACCORDANCE WITH THE UTILITY OWNER'S REQUIREMENTS. MAKE CONNECTIONS ON WEEKENDS OR AT NIGHT IF NECESSARY.
9. ALL UTILITY MATERIALS SHALL BE APPROVED PRIOR TO DELIVERY TO THE PROJECT. SEE 1500-7, "SUBMITTALS AND RECORDS" IN SECTION 1500 OF THE STANDARD SPECIFICATIONS.

PROJECT SPECIFIC NOTES:

1. ALL NECESSARY LICENSES AND PERMITS SHALL BE OBTAINED BY THE CONTRACTOR AT ITS EXPENSE, UNLESS PREVIOUSLY OBTAINED BY THE OWNER AND PROVIDED AT THE PRECONSTRUCTION CONFERENCE.
2. DEVIATION FROM THESE PLANS AND NOTES WITHOUT THE PRIOR WRITTEN CONSENT OF THE UTILITY OWNER OR THEIR REPRESENTATIVE OR THE ENGINEER MAY BE CAUSE FOR THE WORK TO BE UNACCEPTABLE.
3. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY SHOULD ANY FIELD CONDITIONS BE ENCOUNTERED THAT VARY FROM THE INFORMATION PROVIDED IN THE CONTRACT DOCUMENTS. ANY NECESSARY FIELD REVISIONS ARE SUBJECT TO REVIEW & APPROVAL OF AN AMENDED PLAN &/OR PROFILE BY THE UTILITY OWNER PRIOR TO CONSTRUCTION.
4. CONTRACTOR SHALL COORDINATE ALL WORK WITH UTILITY OWNER AT LEAST 48 HOURS PRIOR TO THE START OF CONSTRUCTION, OR AS OTHERWISE SPECIFIED HEREIN.
5. UNLESS OTHERWISE INDICATED, ALL PROFILE ELEVATIONS ARE ALONG THE PIPE CENTERLINE.
6. CONTRACTOR SHALL NOTIFY PROPERTY OWNERS AND TENANTS AT LEAST 7 DAYS PRIOR TO CONSTRUCTION THAT CONSTRUCTION ACTIVITY WILL TAKE PLACE IN THEIR AREA.
7. CONTRACTOR SHALL PROVIDE AS-BUILT DRAWINGS FOR ALL UTILITY CONSTRUCTION PRIOR TO PLACING THE PIPELINE(S) IN SERVICE
8. PIPE ALIGNMENT SHOWN IS BASED ON STANDARD DUCTILE IRON MECHANICAL JOINT FITTINGS. JOINT DEFLECTIONS SHALL NOT EXCEED 75 PERCENT OF MANUFACTURER'S RECOMMENDED DEFLECTION. CONTRACTOR SHALL ADJUST PIPELINE ALIGNMENT AND DEFLECT JOINTS AS NECESSARY TO ACCOMMODATE THE STANDARD BENDS SHOWN.
9. MINIMUM PIPE COVER FOR DISTRIBUTION WATER MAINS SHALL BE 3 FEET.
10. ALL PRESSURIZED FITTINGS SHALL BE DUCTILE IRON RESTRAINED MECHANICAL JOINT WITH PRESSURE RATING EQUAL TO OR HIGHER THAN HOST PIPE, UNLESS OTHERWISE SHOWN ON THE DRAWINGS.
11. ALL MECHANICAL JOINTS SHALL BE FITTED WITH WEDGE-TYPE MECHANICAL RESTRAINT ACCESSORY KITS DESIGNED FOR THE INTENDED USE AND MATERIAL, AS APPROVED BY UTILITY OWNER.
12. CONTRACTOR TO REFER TO CHARLOTTE WATER STANDARD DETAILS, FOUND ON <https://www.charlottenc.gov/water/commercial-development/development-design-standards/latest-design-manual>

Kimley Horn
200 SOUTH TRYON ST, SUITE 200
CHARLOTTE, NC 28202

| | |
|----------------------------------------------------------------------------|-----------|
| PROJECT REFERENCE NO. | SHEET NO. |
| U-6105 | UC-3 |
| DESIGNED BY: MAS | |
| DRAWN BY: SJJ | |
| CHECKED BY: MAS | |
| APPROVED BY: --- | |
| REVISED: | |
| NORTH CAROLINA DEPARTMENT OF TRANSPORTATION | |
| UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151 | |
| UTILITY CONSTRUCTION PLANS ONLY | |



UTILITY CONSTRUCTION

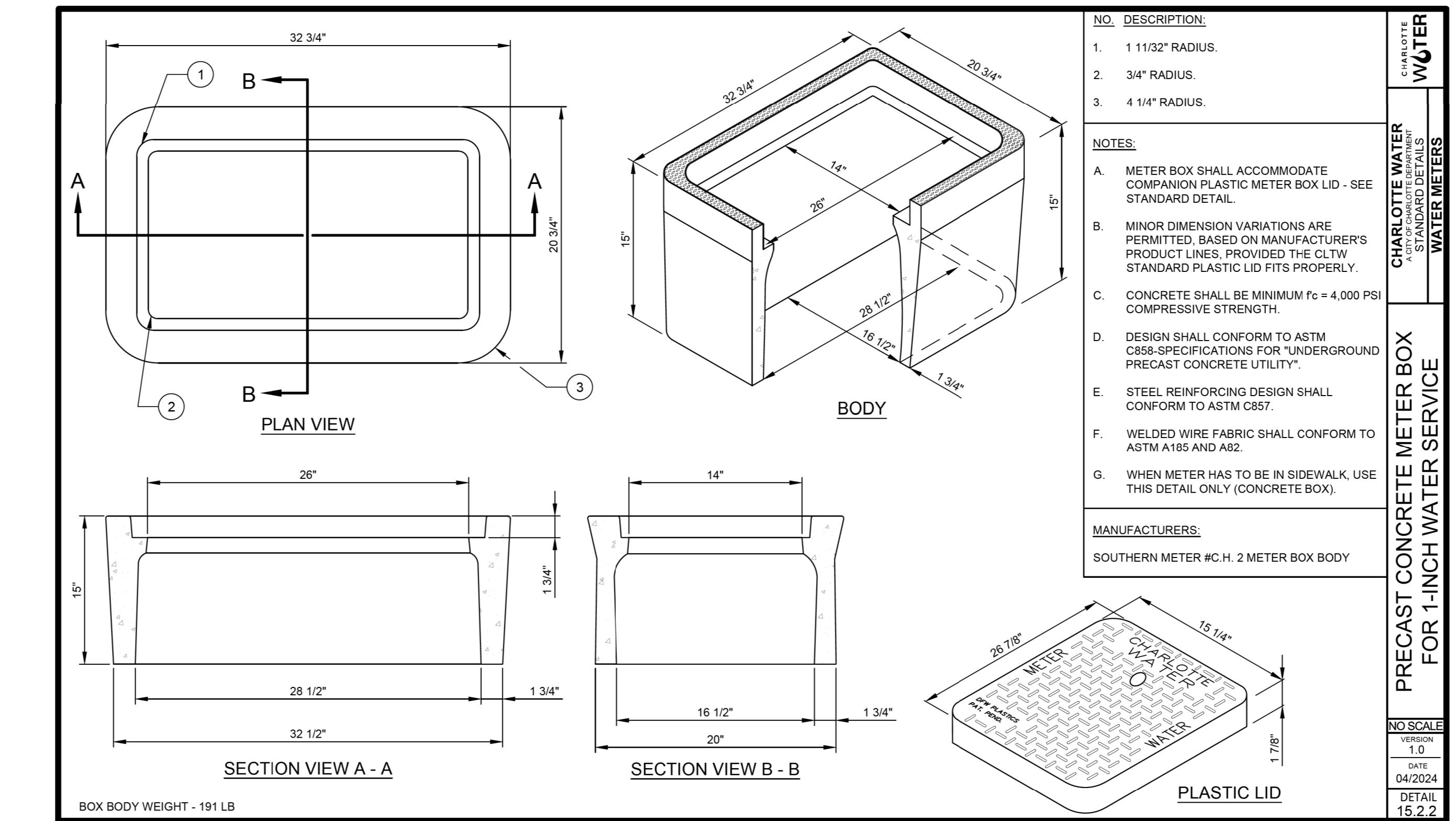
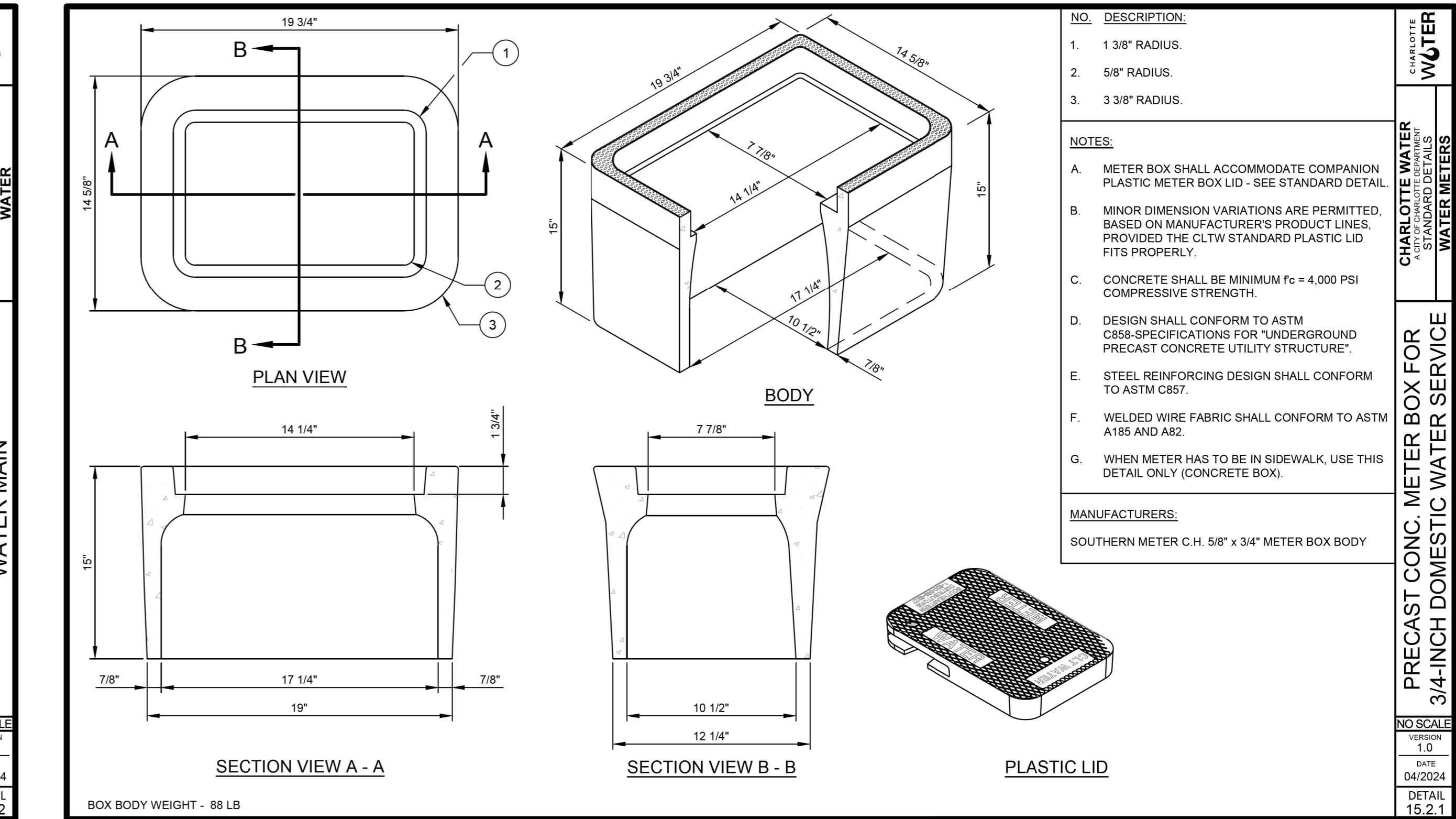
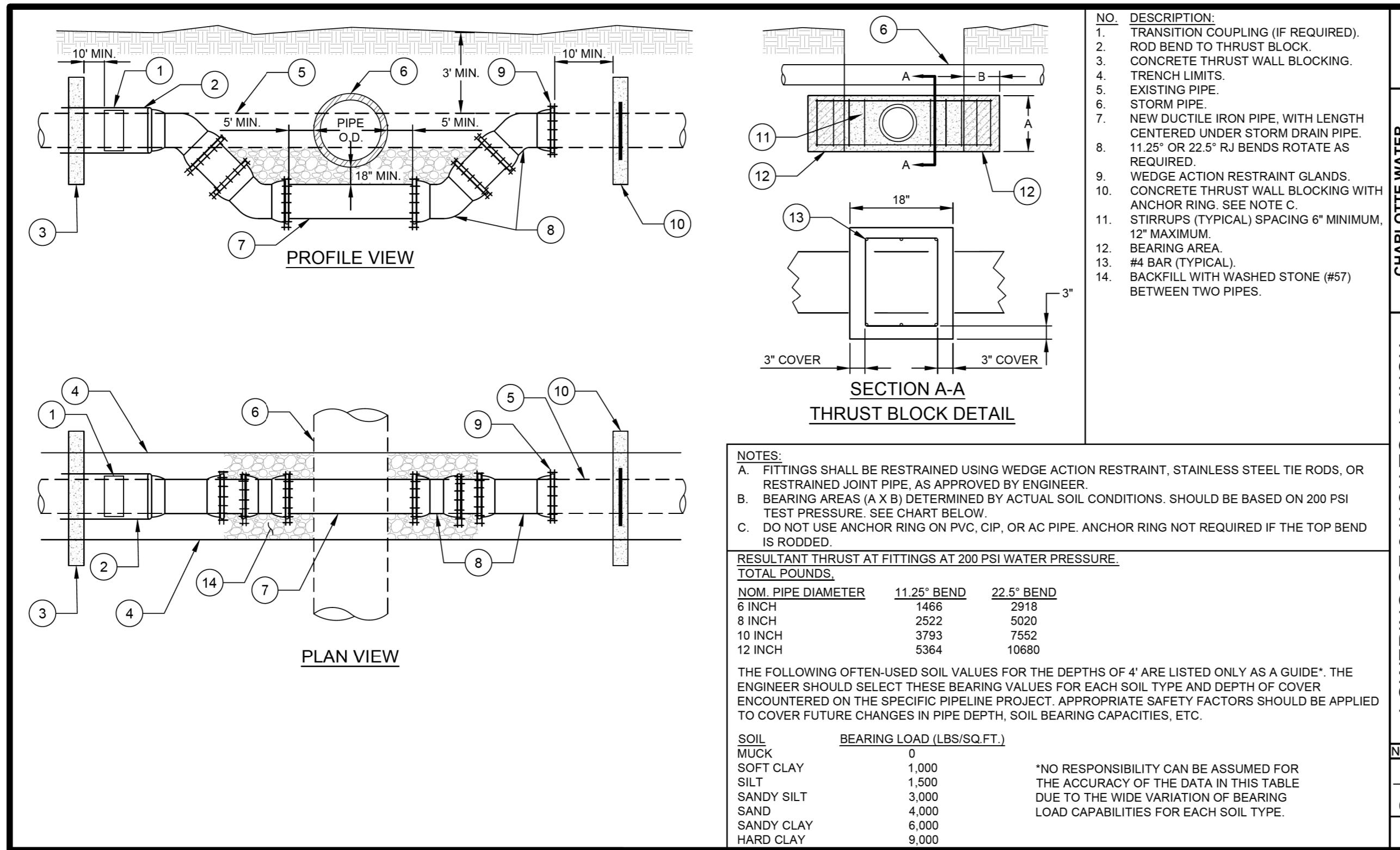
GENERAL SEQUENCE:

1. FOR EACH WATER LINE AND SEWER LINE RELOCATION, THE CONTRACTOR SHALL PROVIDE THE UTILITY OWNER WITH A DETAILED INSTALLATION, CONNECTION, AND SERVICE INTERRUPTION PLAN FOR APPROVAL AT LEAST SEVEN (7) DAYS PRIOR TO THE RELOCATION. AT A MINIMUM, EACH PLAN SHALL ADDRESS THE FOLLOWING:
 - A. SEQUENCE OF CONSTRUCTION OPERATIONS.
 - B. PROCEDURE FOR FLUSHING, TESTING, AND DISINFECTION OF ALL AFFECTED PIPING AND VALVES, AS REQUIRED BY THE UTILITY OWNER.
 - C. PHASING AND SCHEDULE FOR ALL CONNECTIONS, INCLUDING PLANNED SERVICE OUTAGES, DURATION, AND CONTINGENCY PLAN.
2. NO INTERRUPTION OF SERVICE WILL BE PERMITTED UNTIL THE FOREGOING PLAN HAS BEEN APPROVED BY THE UTILITY OWNER. THE UTILITY OWNER'S PERSONNEL SHALL WITNESS THE OPERATION OF THE UTILITY OWNER'S EXISTING FACILITIES INVOLVED IN THE INTERRUPTIONS OF SERVICE.
3. PLANNED SERVICE CONNECTION INTERRUPTIONS SHALL LAST NO LONGER THAN 8 HOURS UNLESS OTHERWISE APPROVED BY THE UTILITY OWNER. ALL INTERRUPTIONS OF SERVICES SHALL BE COORDINATED WITH AND SCHEDULED AT TIMES ACCEPTABLE TO THE UTILITY OWNER.
4. WRITTEN WATER SERVICE INTERRUPTION NOTICES SHALL BE PROVIDED TO ALL AFFECTED CUSTOMERS AT LEAST 72 HOURS PRIOR TO EACH PLANNED INTERRUPTION.

UTILITY CONSTRUCTION

REVISIONS

8/27/2025



5/14/99

REVISIONS

8/27/2025

Kimley » Horn

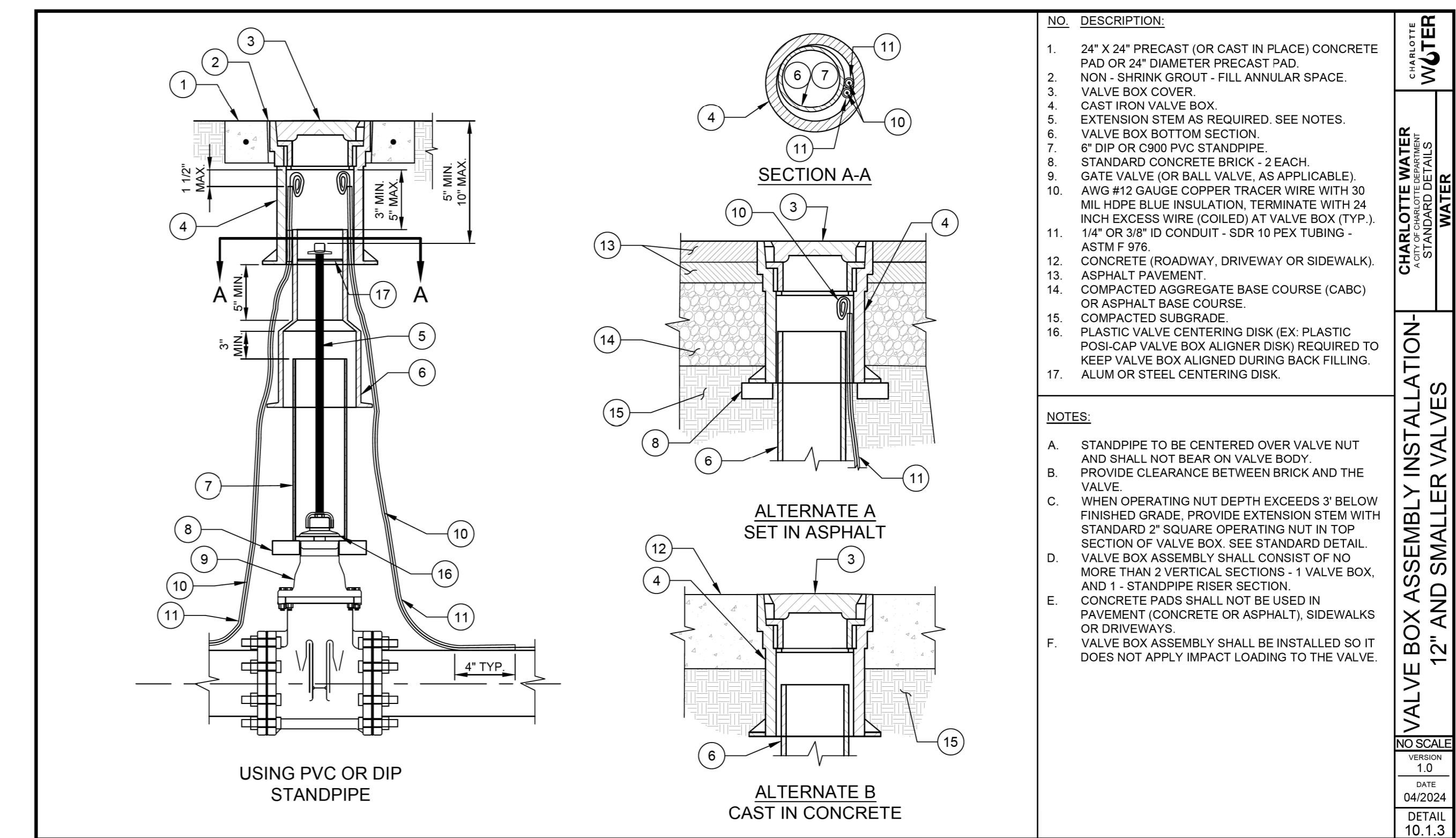
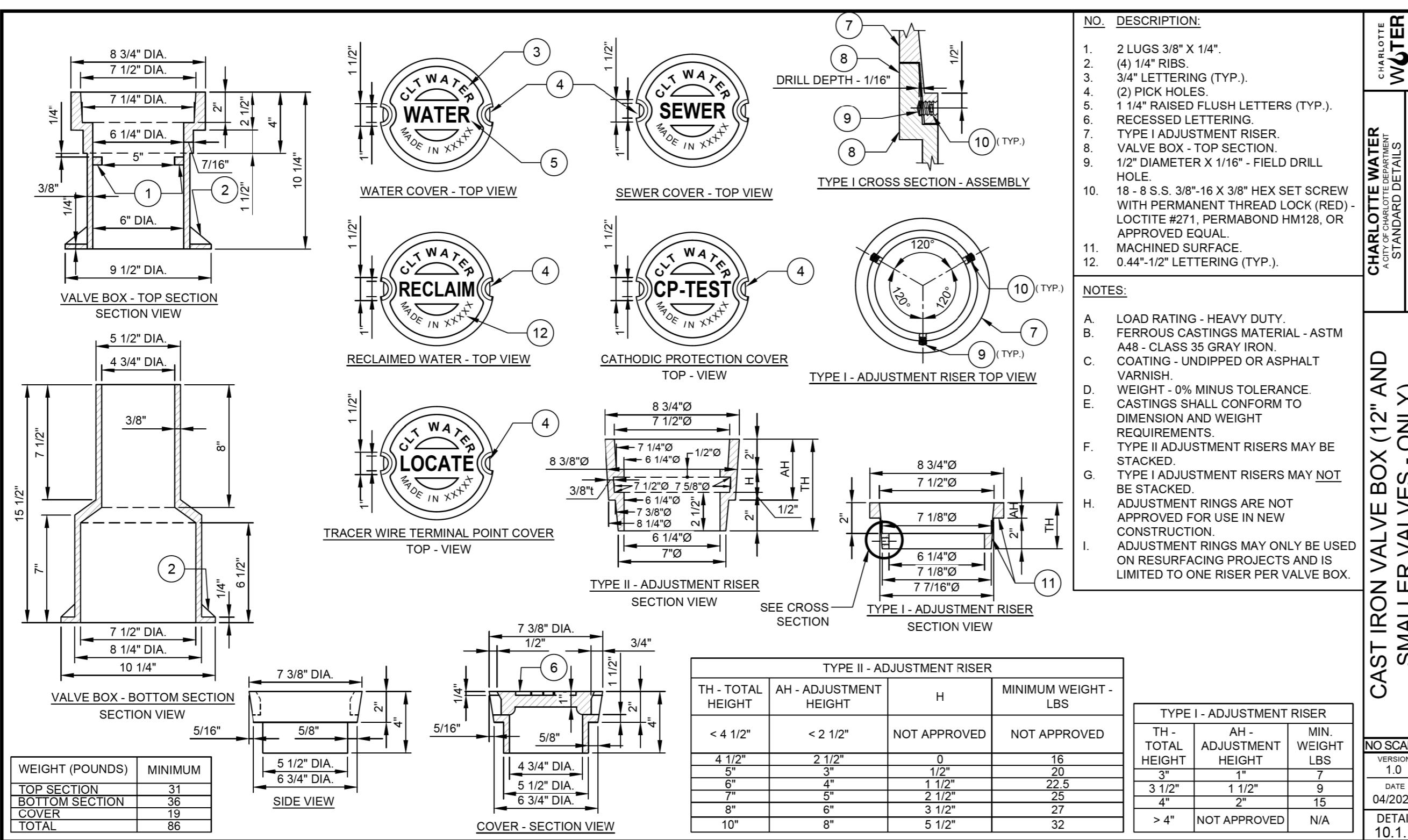
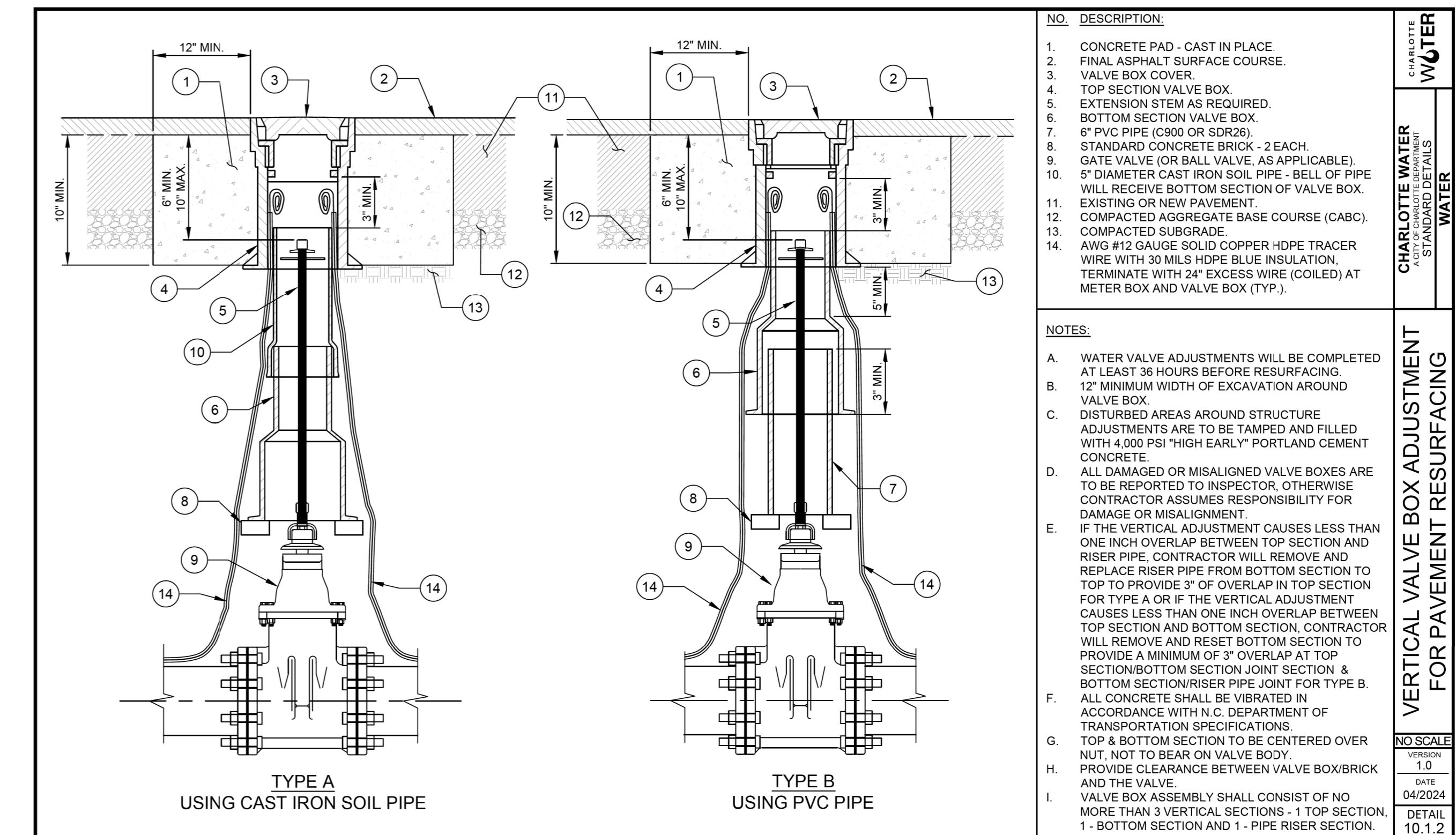
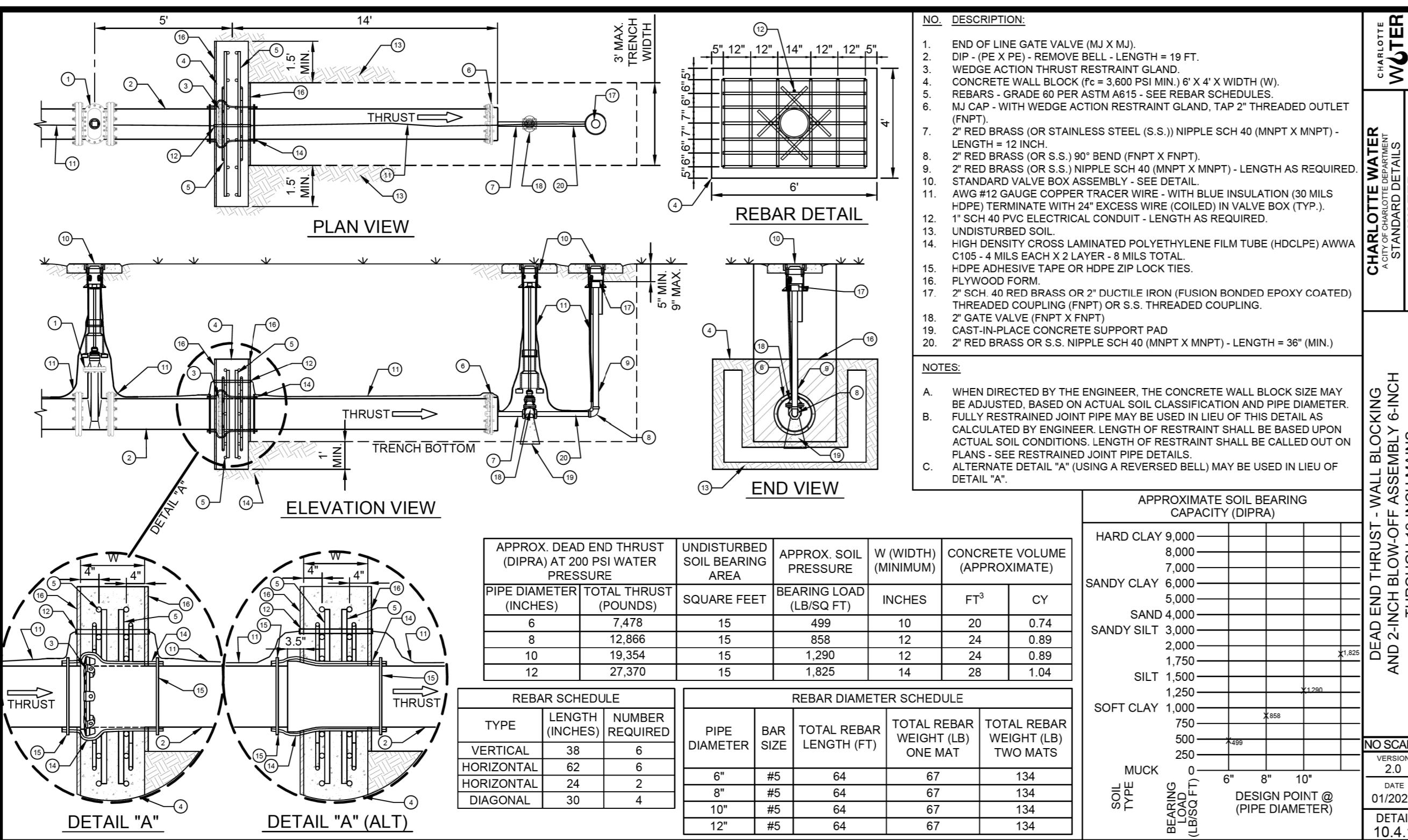
200 SOUTH TRYON ST, SUITE 200
CHARLOTTE, N.C. 28202

© 2023

200 SOUTH TRYON ST, SUITE 200
CHARLOTTE, N.C. 28202

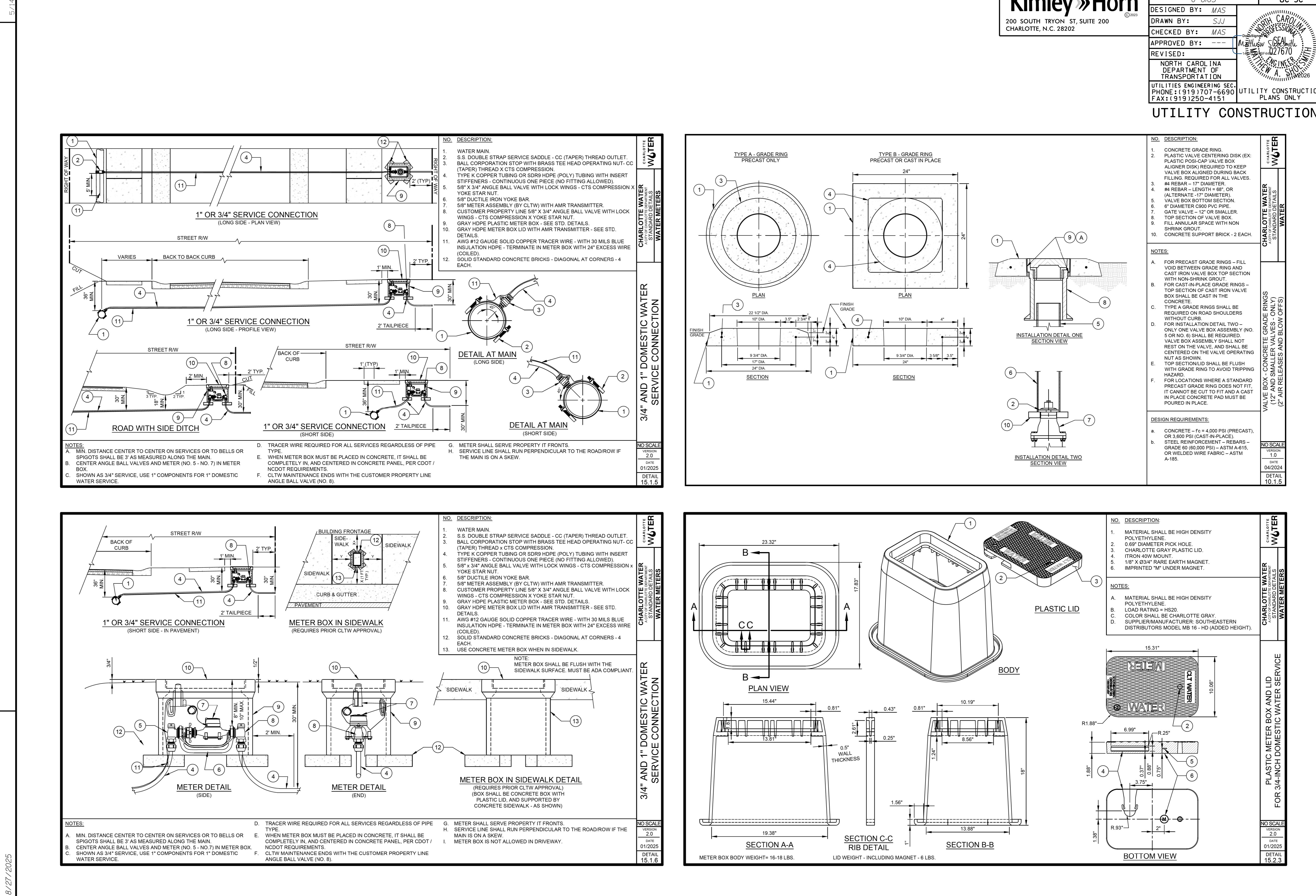
| | | |
|-------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------|
| PROJECT REFERENCE NO. | | SHEET NO. |
| U-6105 | | UC-3B |
| SIGNED BY: MAS | |  |
| DRAWN BY: SJJ | | |
| CHECKED BY: MAS | | |
| PROVED BY: --- | | |
| VISSED: | | |
| NORTH CAROLINA DEPARTMENT OF TRANSPORTATION | | |
| CITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151 | | |
| UTILITY CONSTRUCTION PLANS ONLY | | |

UTILITY CONSTRUCTION



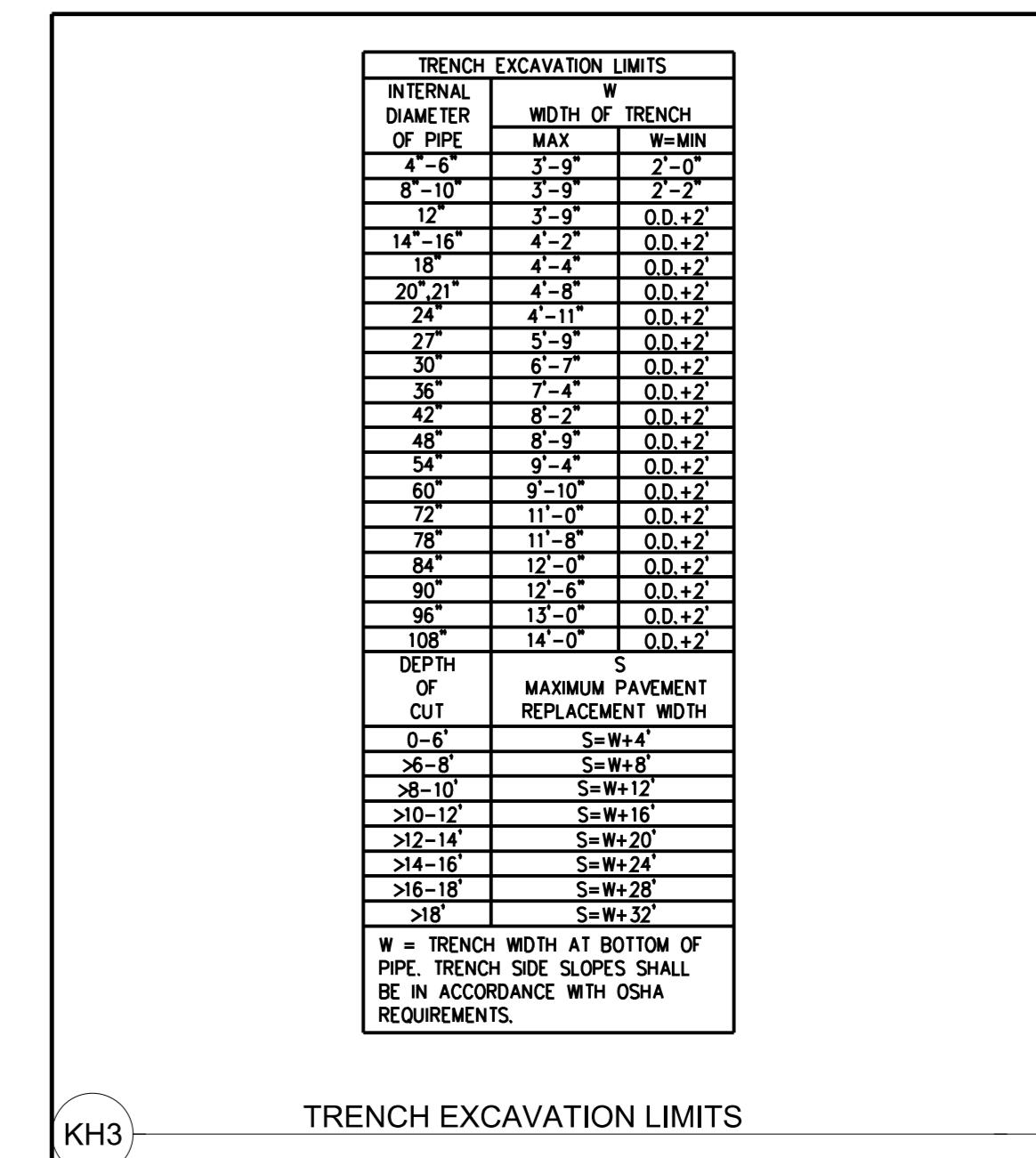
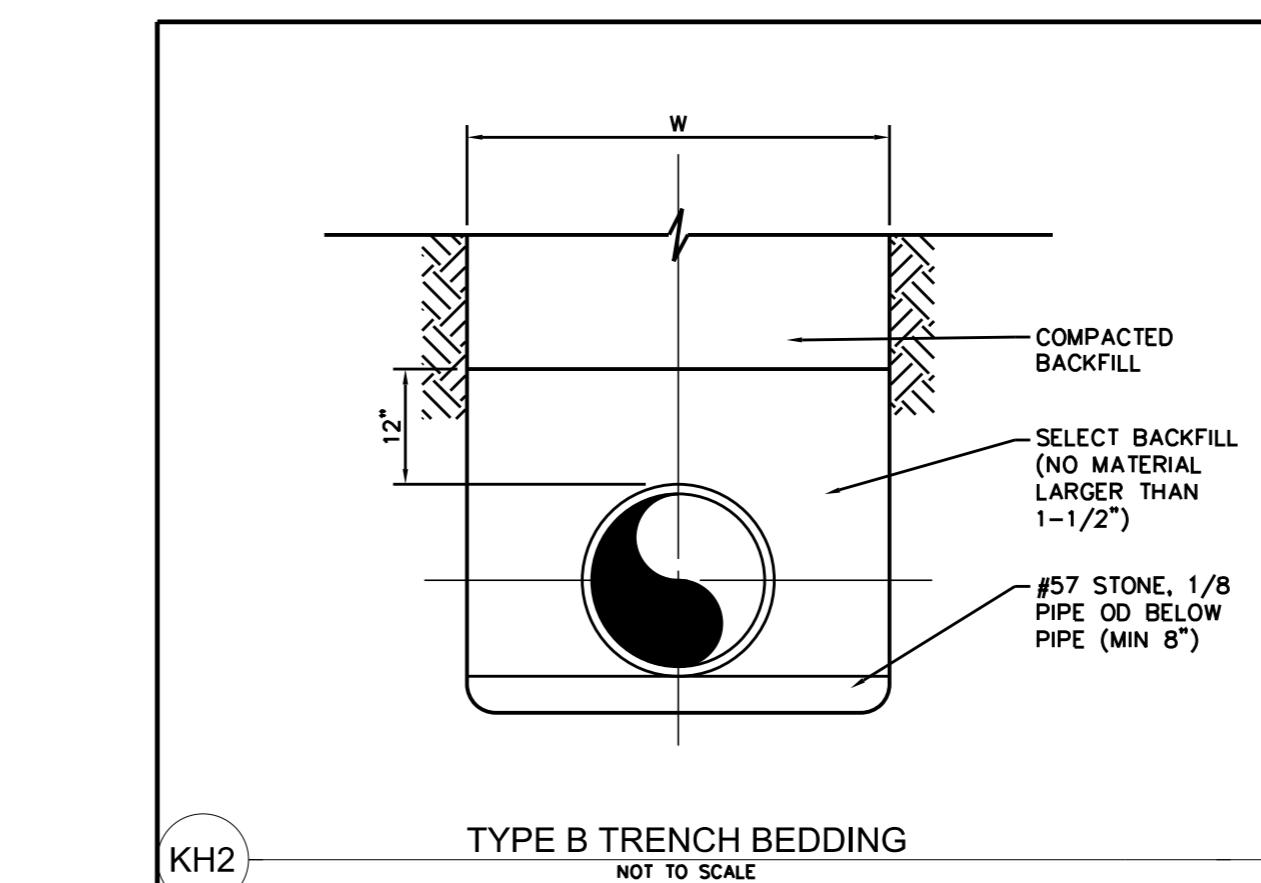
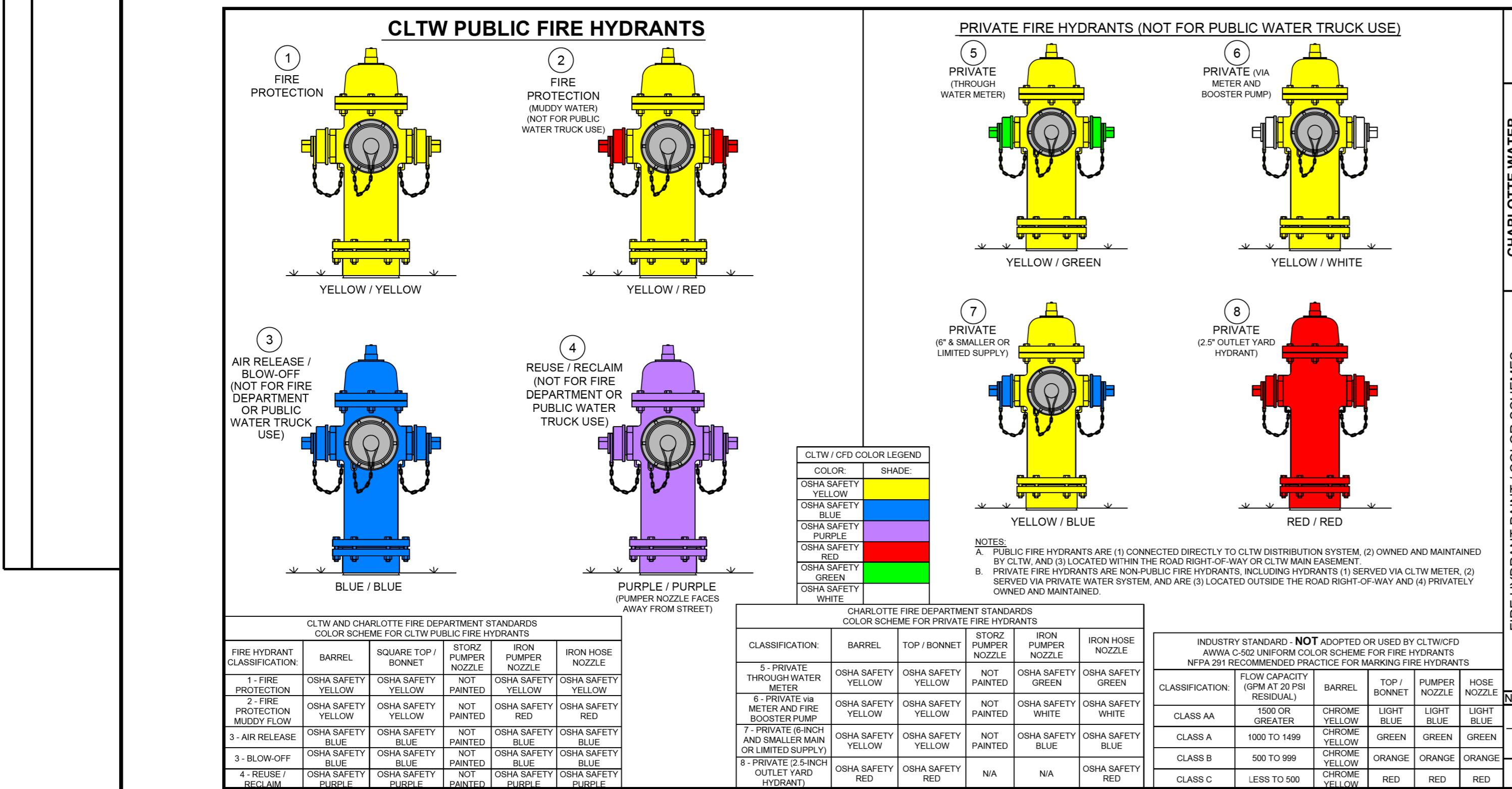
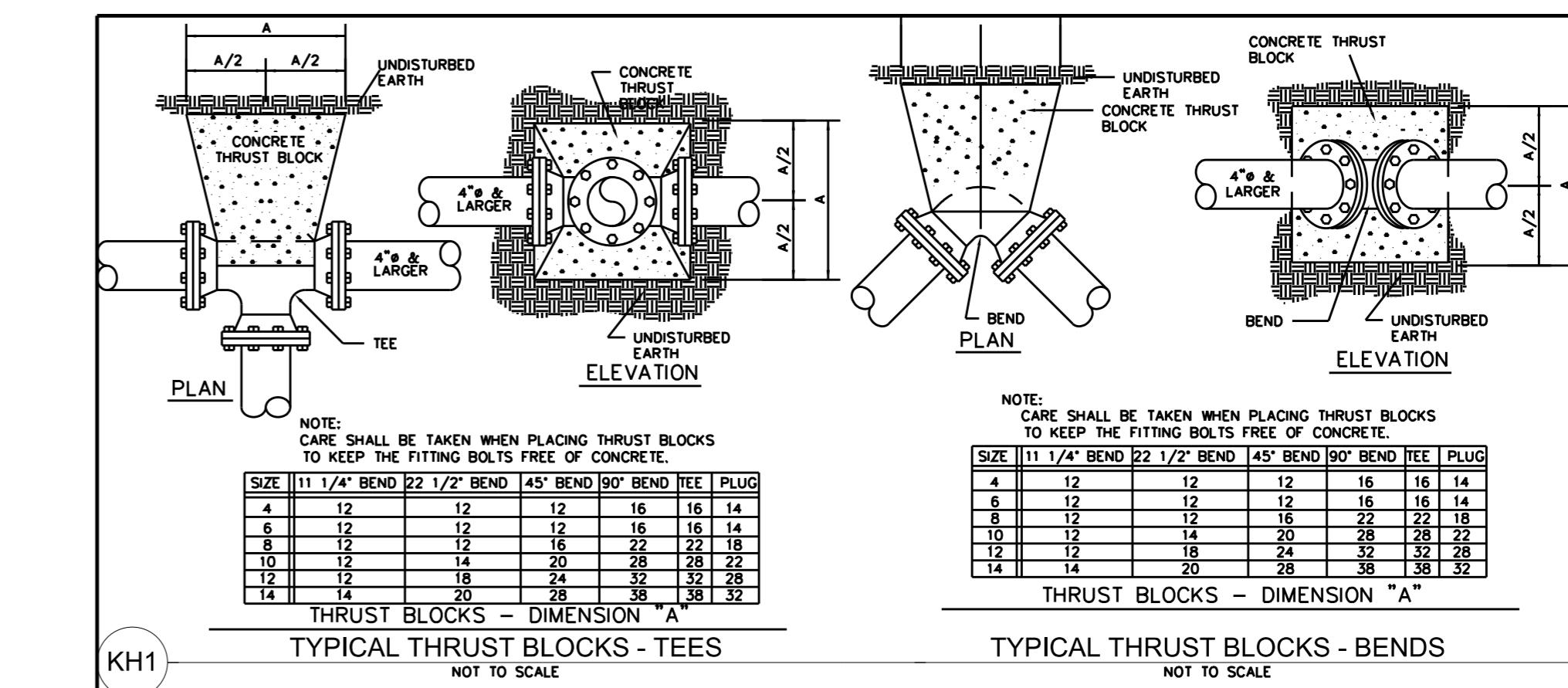
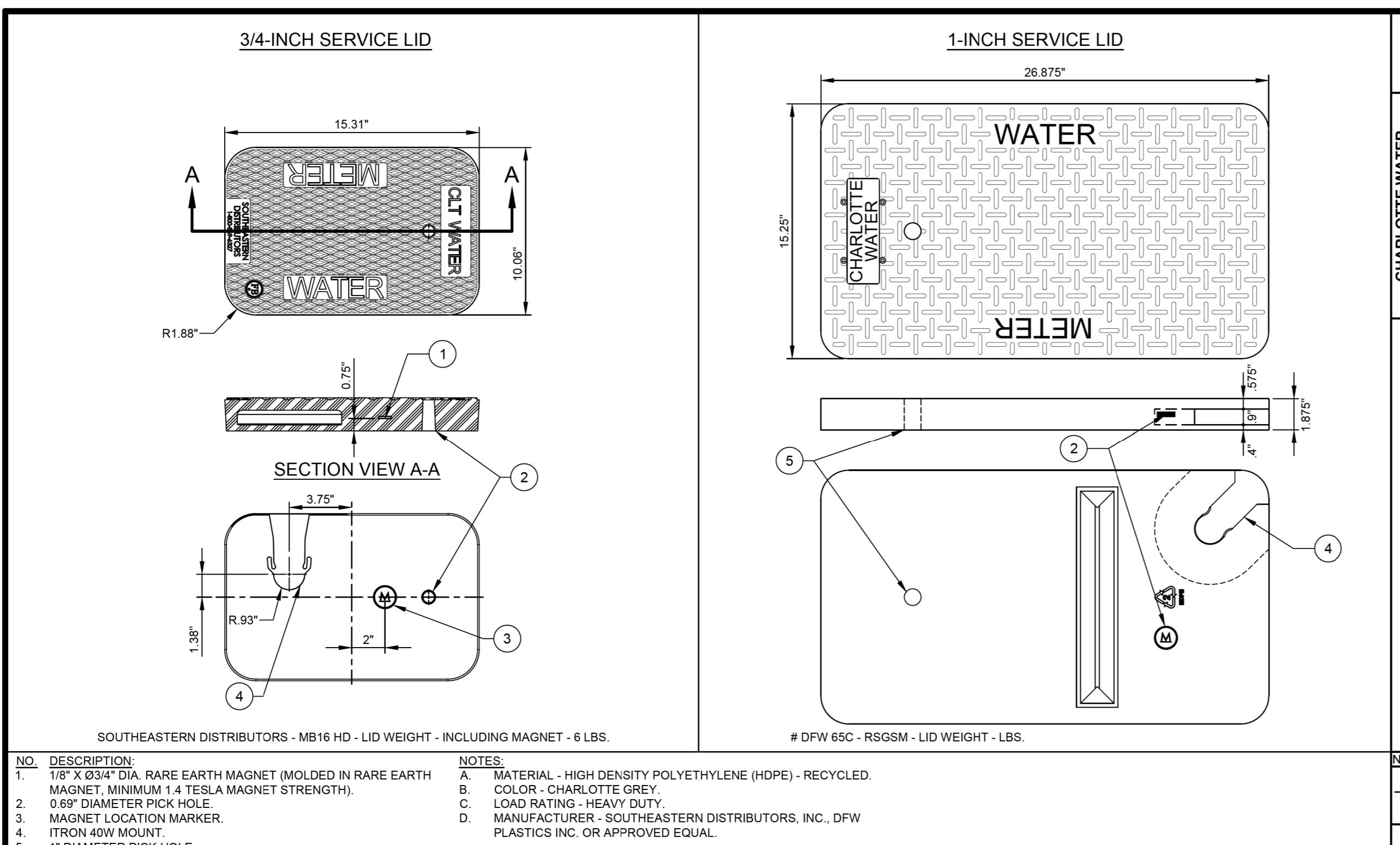
5/14/93

REVISIONS



REVISIONS

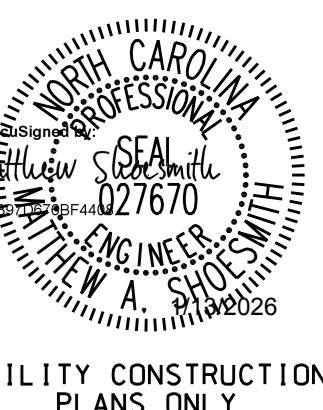
5/14/99



5/14/93

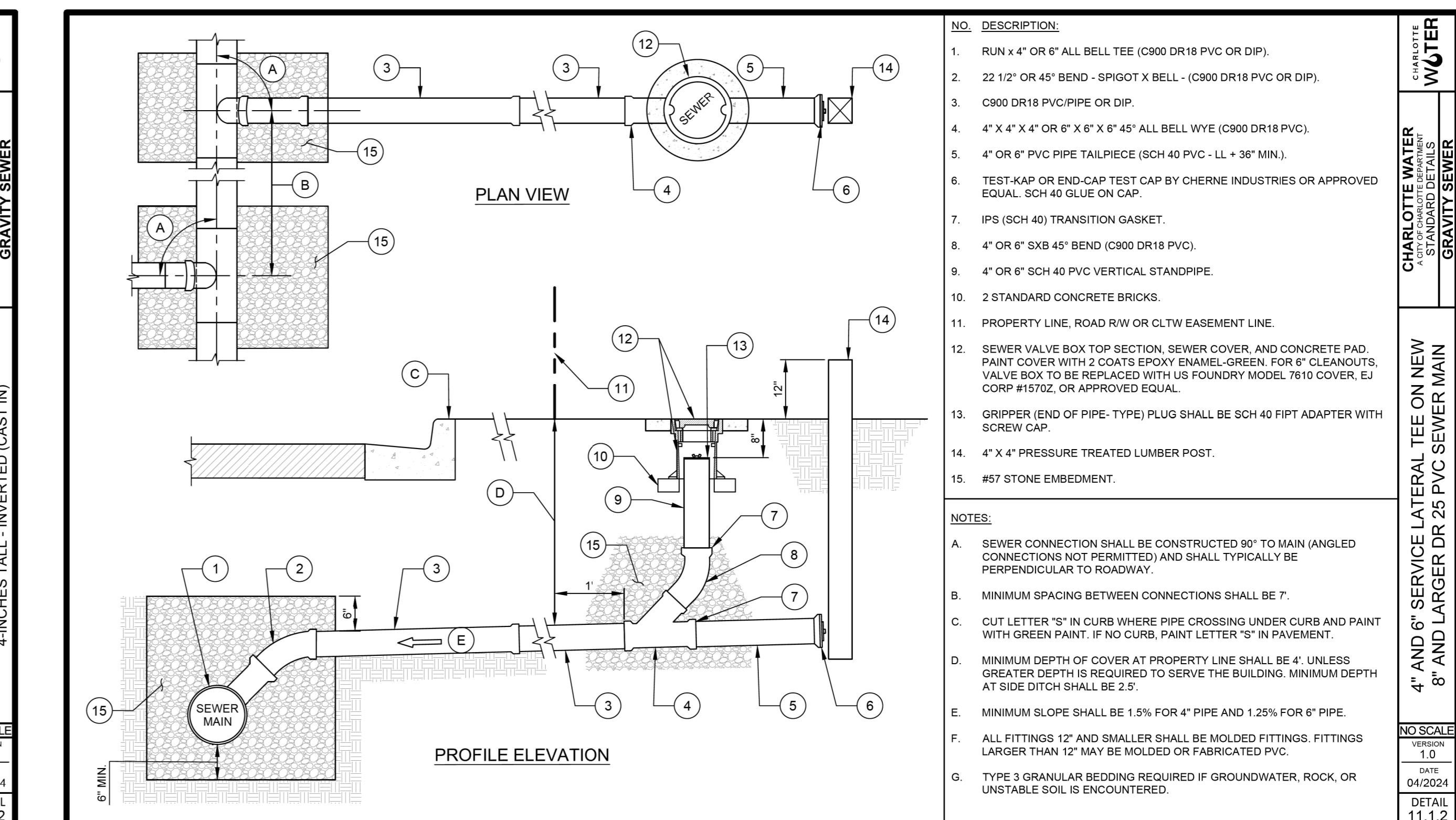
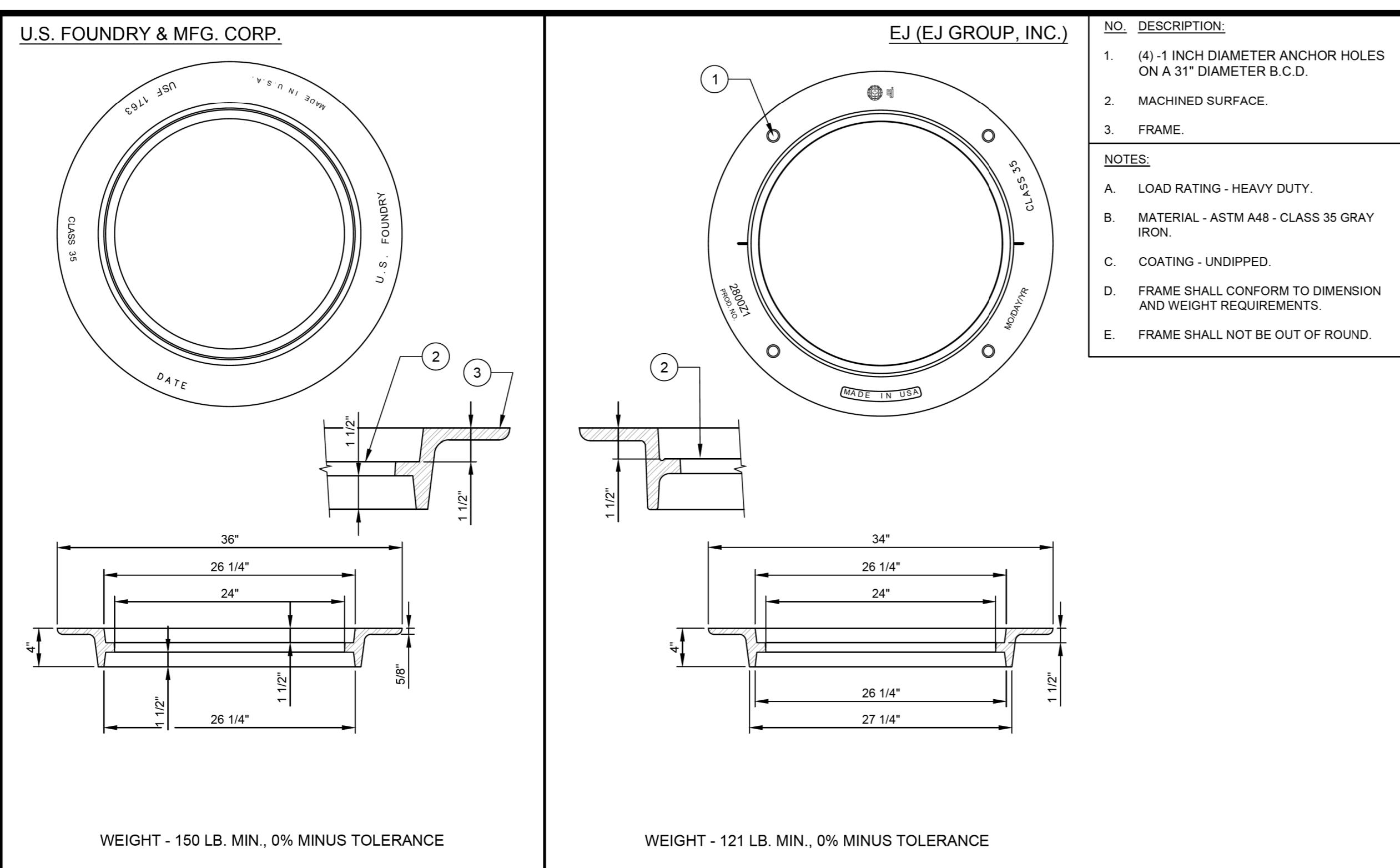
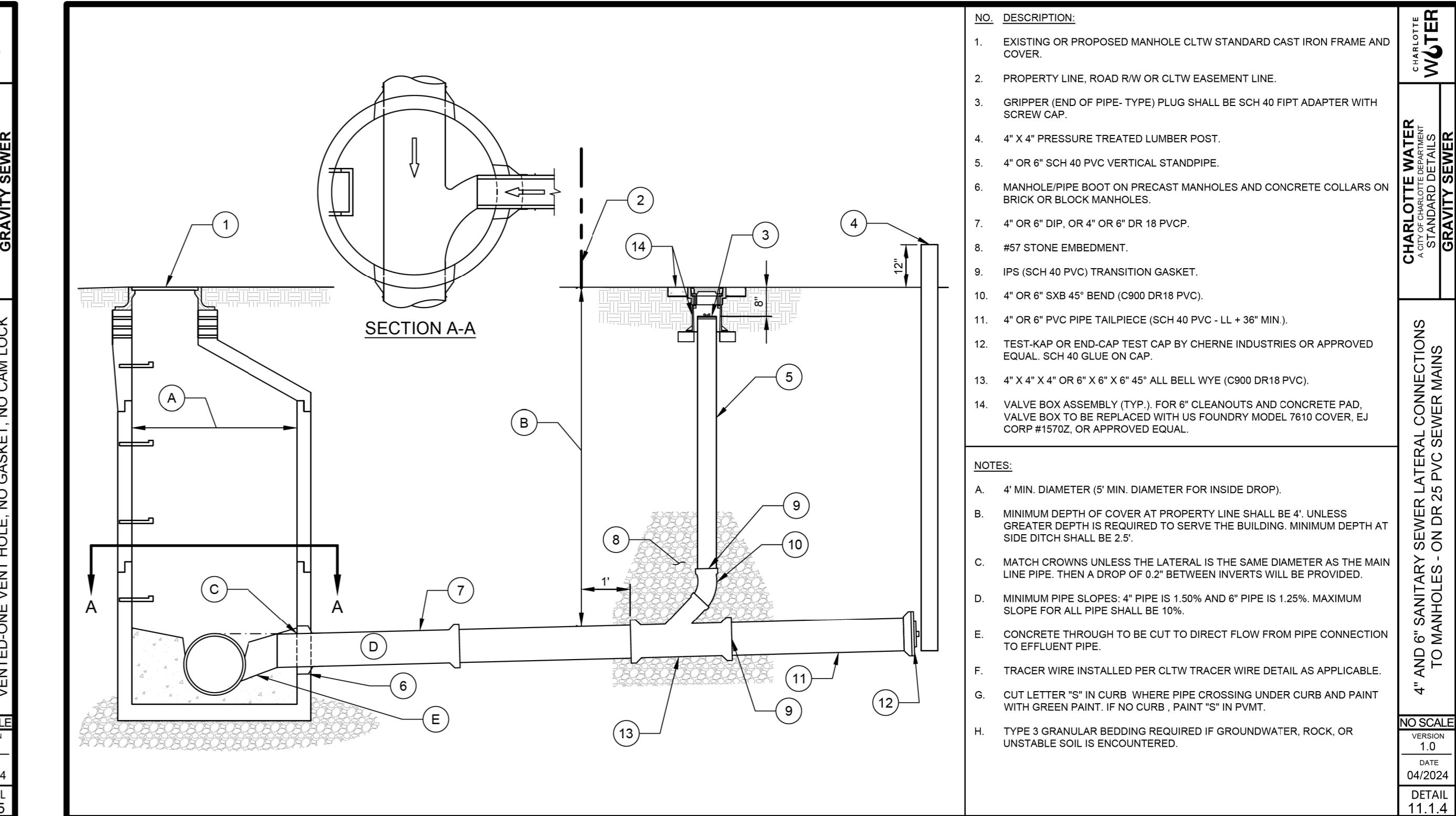
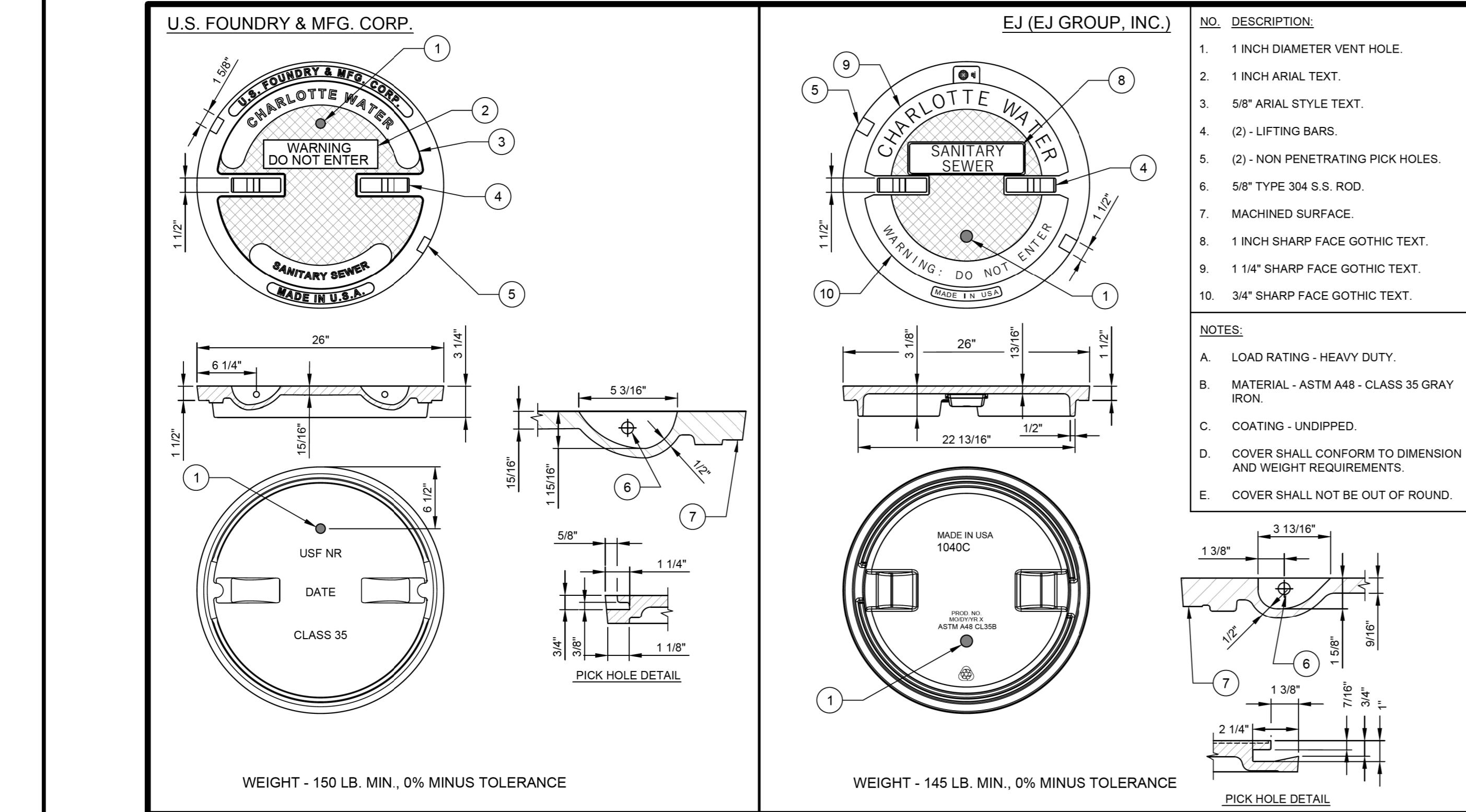
Kimley Horn
©2022
200 SOUTH TRYON ST, SUITE 200
CHARLOTTE, N.C. 28202

PROJECT REFERENCE NO. U-6105
SHEET NO. UC-3E
DESIGNED BY: MAS
DRAWN BY: SJJ
CHECKED BY: MAS
APPROVED BY: ---
REVISED: Matthew S. Smith
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
UTILITIES ENGINEERING SEC.
PHONE: (919) 707-6690
FAX: (919) 250-4151



UTILITY CONSTRUCTION

REVISIONS

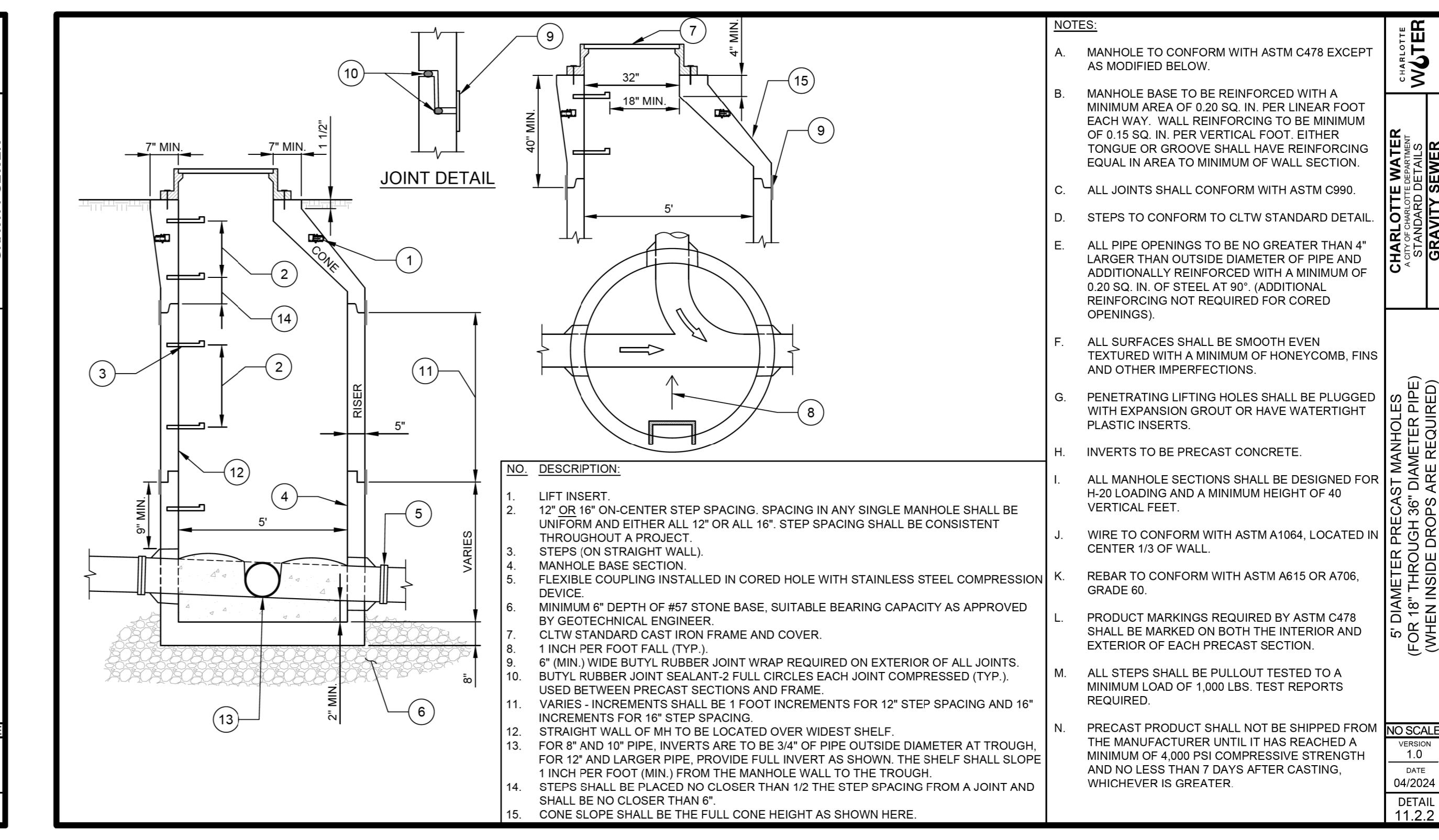
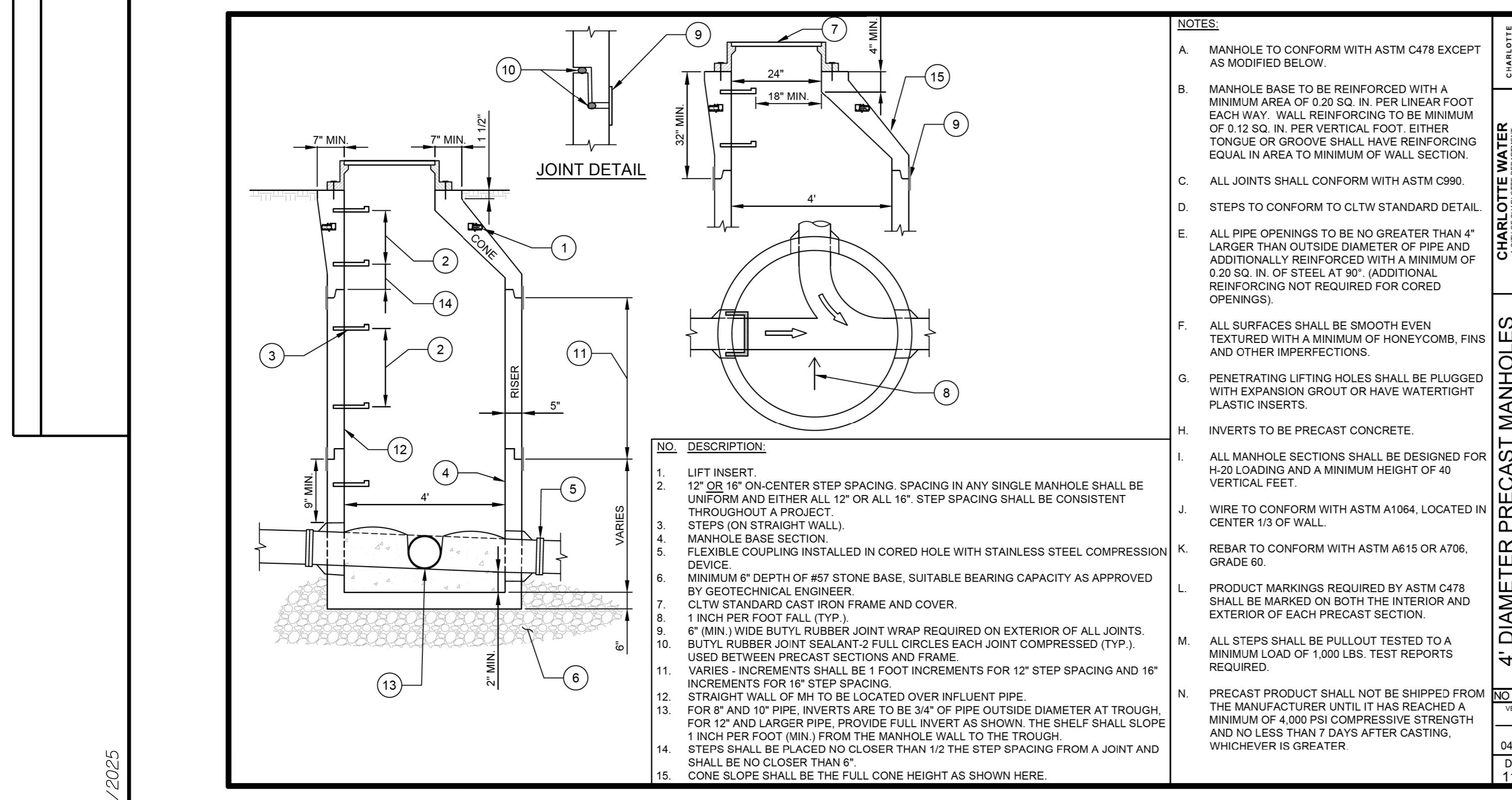
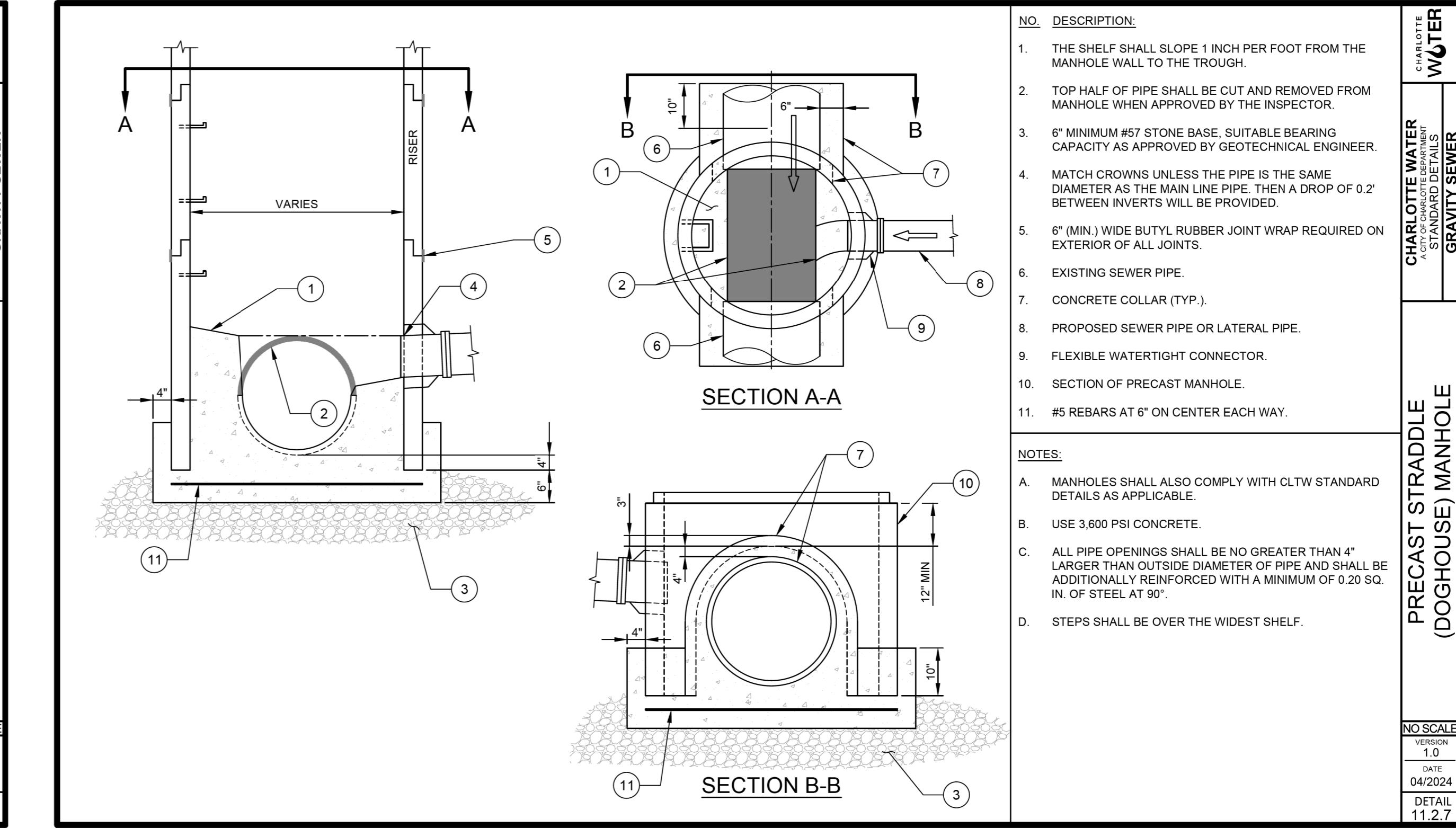
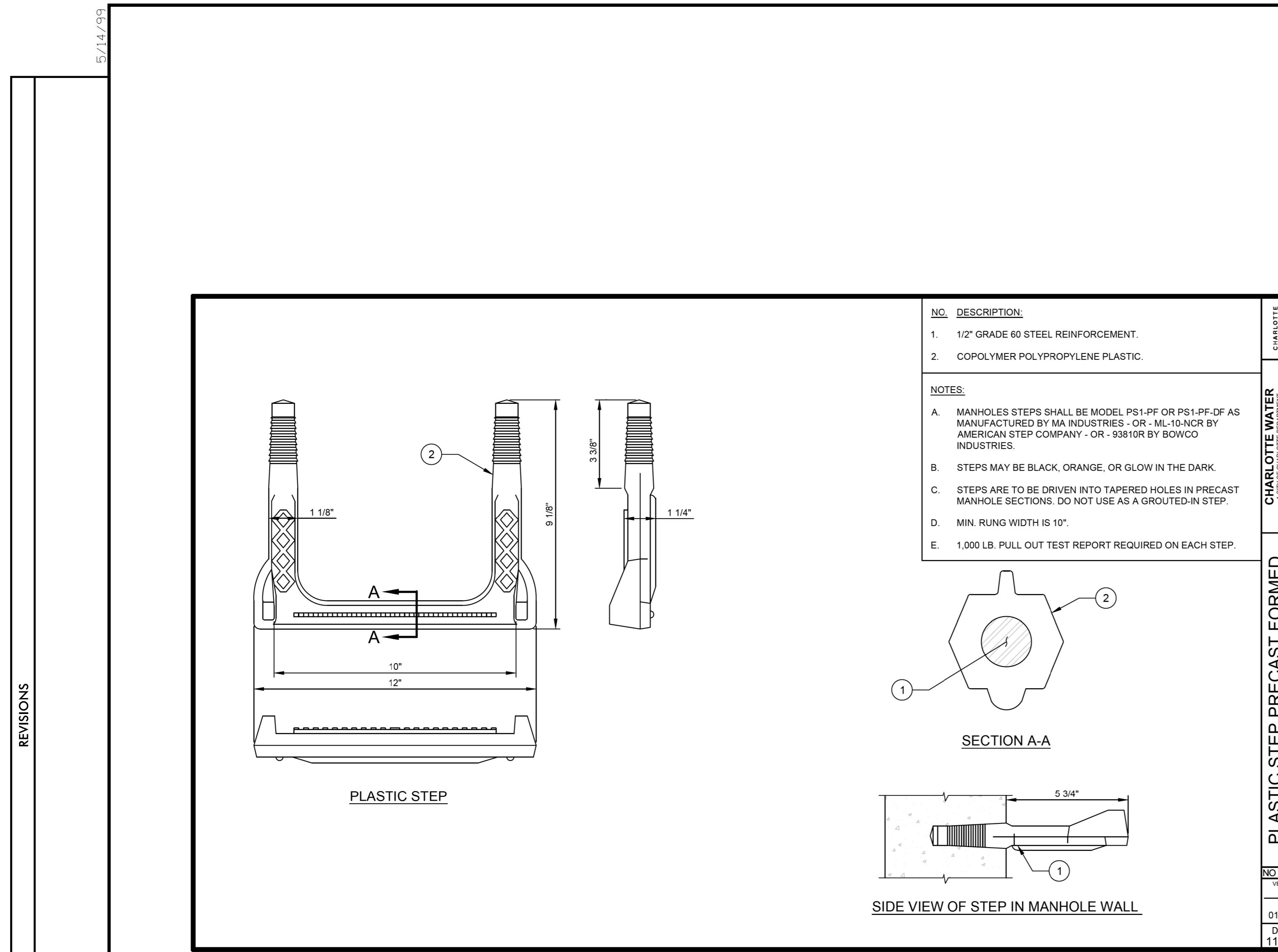


8/27/2025

5/14/99

REVISIONS

2021/8





Kimley Horn (c) 2023

200 SOUTH TRYON ST, SUITE 200
CHARLOTTE, N.C. 28202

200 SOUTH TRYON ST, SUITE 200
CHARLOTTE, N.C. 28202

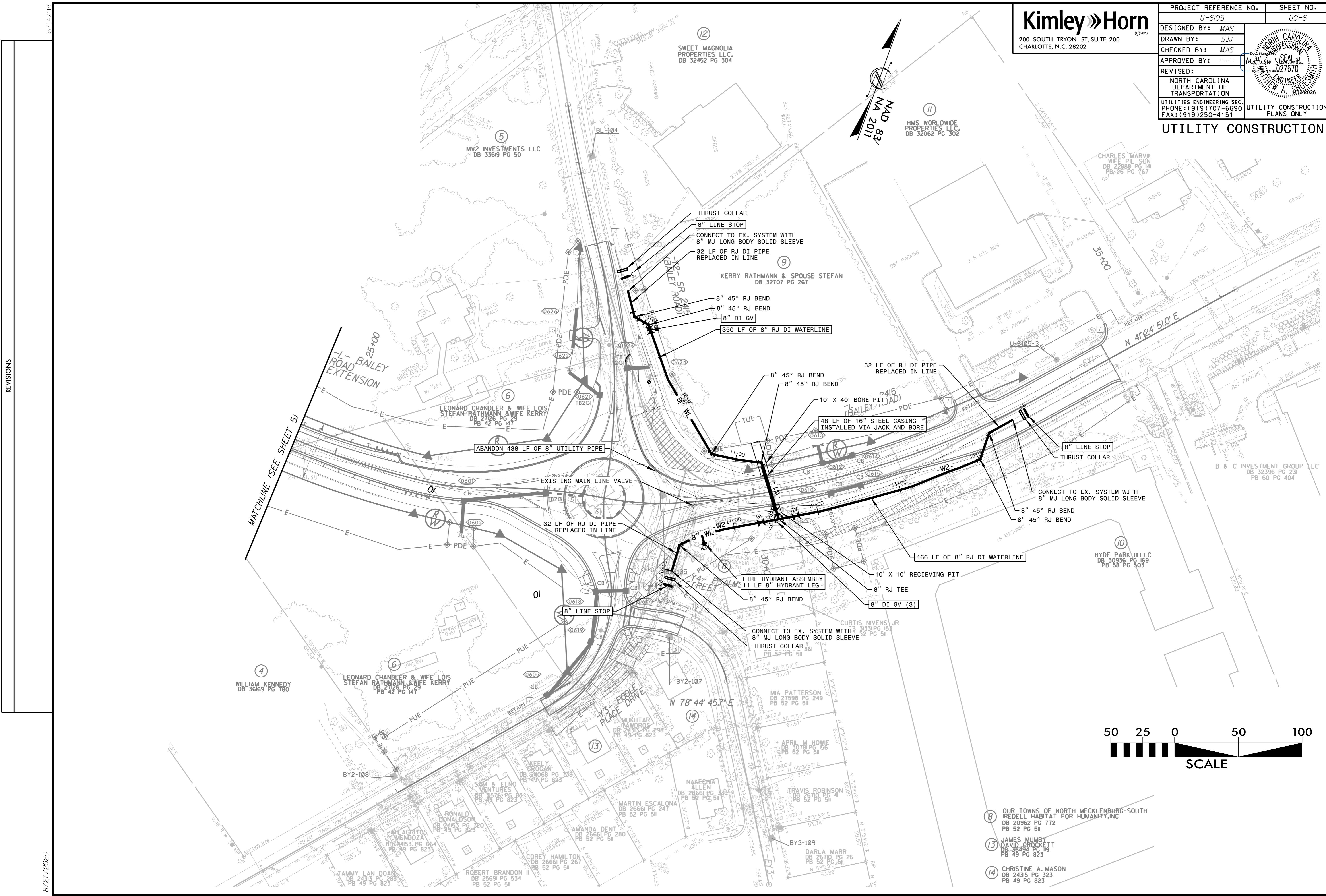
200 SOUTH TRYON ST, SUITE 200
CHARLOTTE, N.C. 28202

| | | |
|------------------------------------------------------------------------------------------------------------------------|--|-----------|
| PROJECT REFERENCE NO. | | SHEET NO. |
| U-6105 | | UC-6 |
| SIGNED BY: MAS | | |
| DRAWN BY: SJJ | | |
| CHECKED BY: MAS | | |
| APPROVED BY: --- | | |
| REVIEWED BY: | | |
| NORTH CAROLINA DEPARTMENT OF TRANSPORTATION | | |
| CITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151 | | |
|  UTILITY CONSTRUCTION PLANS ONLY | | |

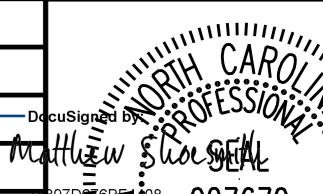
UTILITY CONSTRUCTION

REVISIONS

MATCHLINE (SEE *S.*



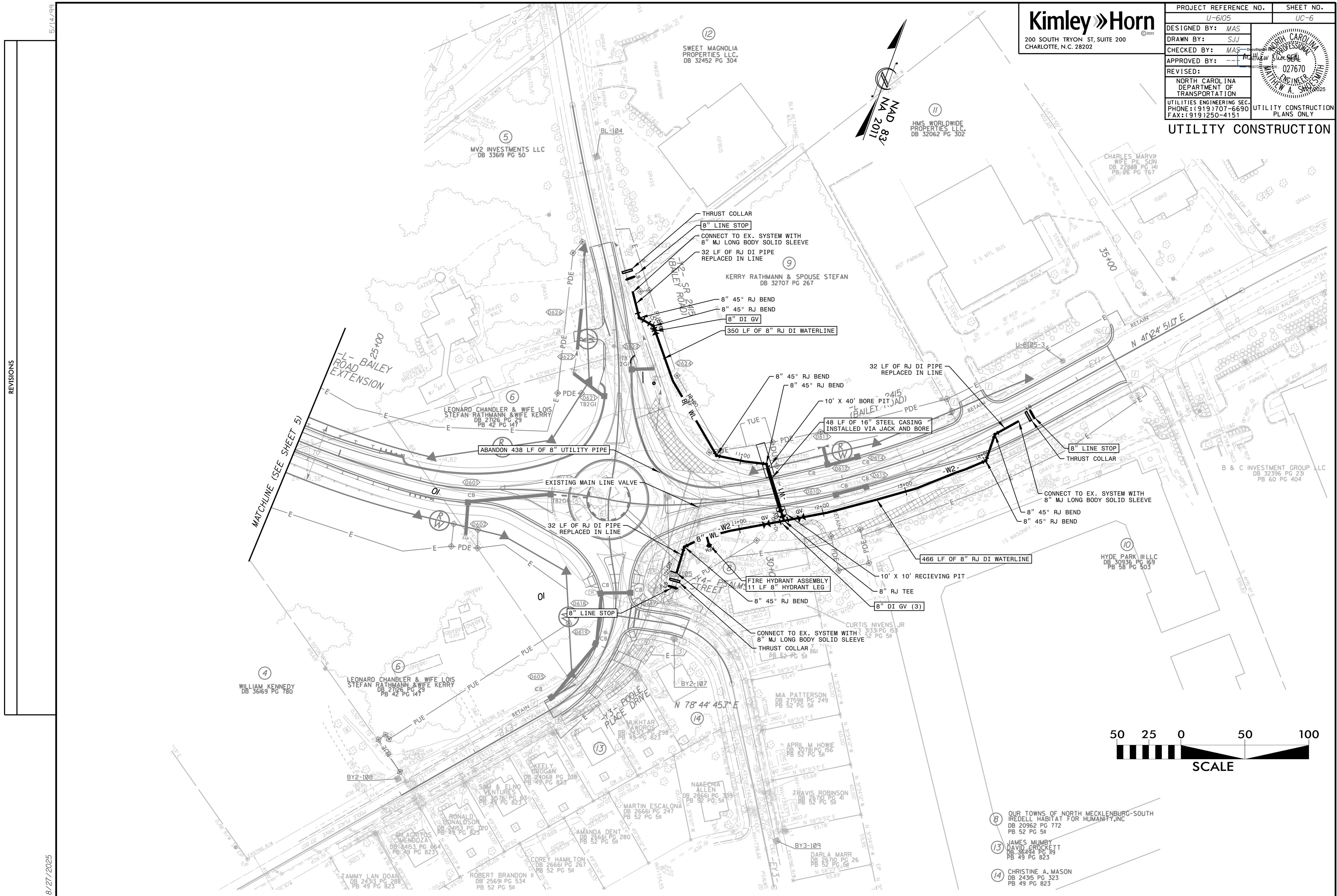
The logo for Kimley Horn features the company name in a large, bold, black sans-serif font. The 'Y' and 'H' are connected by a grey double-headed arrow pointing right. To the right of the arrow, 'Horn' is written in a larger, bold, black sans-serif font. Below the main name, '(C) 2023' is written in a smaller, black sans-serif font. At the bottom left, the address '200 SOUTH TRYON ST, SUITE 200' and 'CHARLOTTE, N.C. 28202' is written in a smaller, black sans-serif font.

| | | |
|---------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| PROJECT REFERENCE NO. | | SHEET NO. |
| U-6105 | | UC-6 |
| SIGNED BY: | MAS | |
| AWN BY: | SJJ | |
| ECHECKED BY: | MAS | |
| PROVED BY: | --- | |
| WISED: | | |
| NORTH CAROLINA DEPARTMENT OF TRANSPORTATION | | |
| LITIES ENGINEERING SEC. ONE: (919) 707-6690 X: (919) 250-4151 | | |
|  UTILITY CONSTRUCTION PLANS ONLY | | |

UTILITY CONSTRUCTION

REVISIONS

MATCHLINE (SEE



Kimley >> Horn

© 2023

200 SOUTH TRYON ST, SUITE 200
CHARLOTTE, N.C. 28202

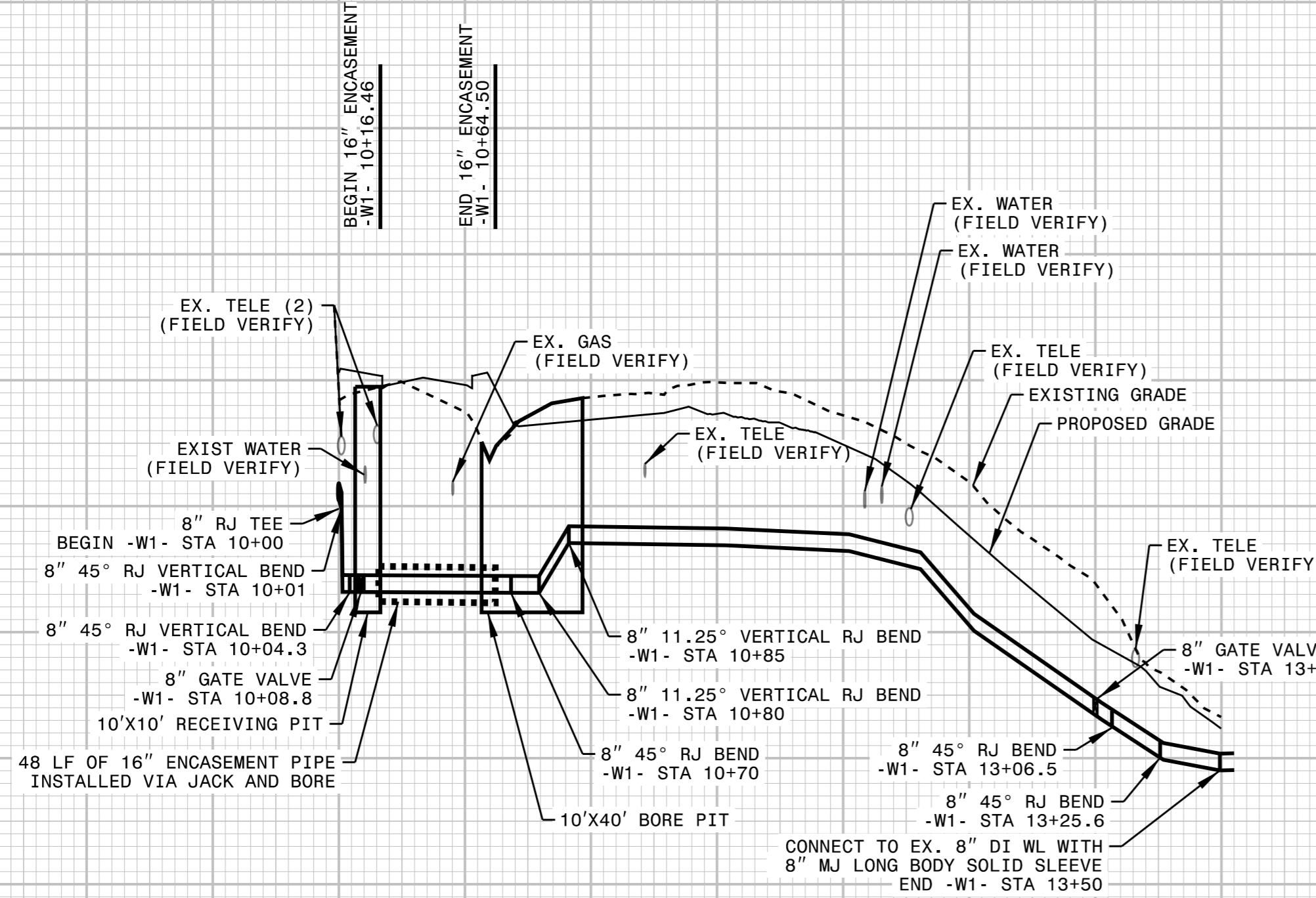
| | |
|-------------------------------------------------------------------------|-----|
| PROJECT REFERENCE NO. | |
| U-6105 | |
| SIGNED BY: | MAS |
| DRAWN BY: | SJJ |
| CHECKED BY: | MAS |
| APPROVED BY: | --- |
| REVIEWED BY: | |
| NORTH CAROLINA DEPARTMENT OF TRANSPORTATION | |
| CITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151 | |
| UTILITIES | |



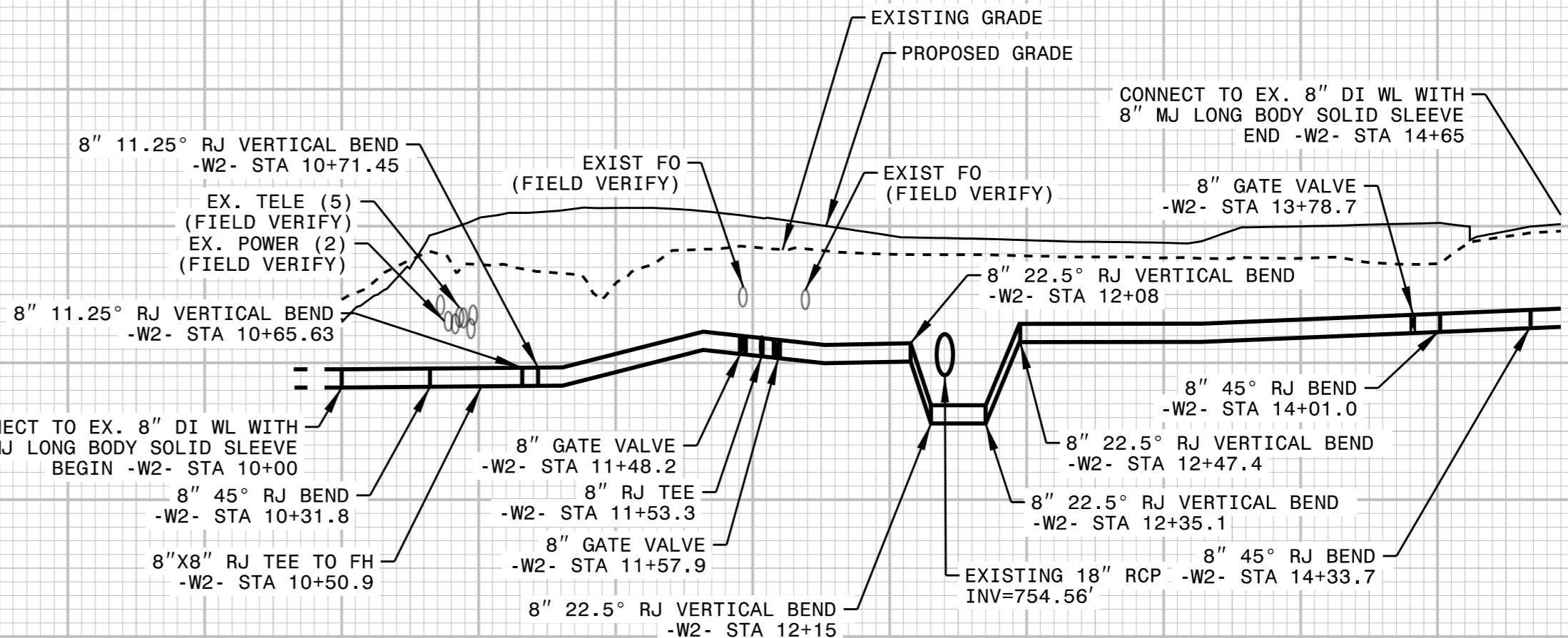
UTILITY CONSTRUCTION
PLANS ONLY

UTILITY CONSTRUCTION

REVISIONS



-W1- SEE SHEET U



-W2- SEE SHEET UC-6

-SS1 - STA 10+07.6

PROP. ROAD LIMITS

PROP. ROAD LIMITS

END 24" ENCASEMENT

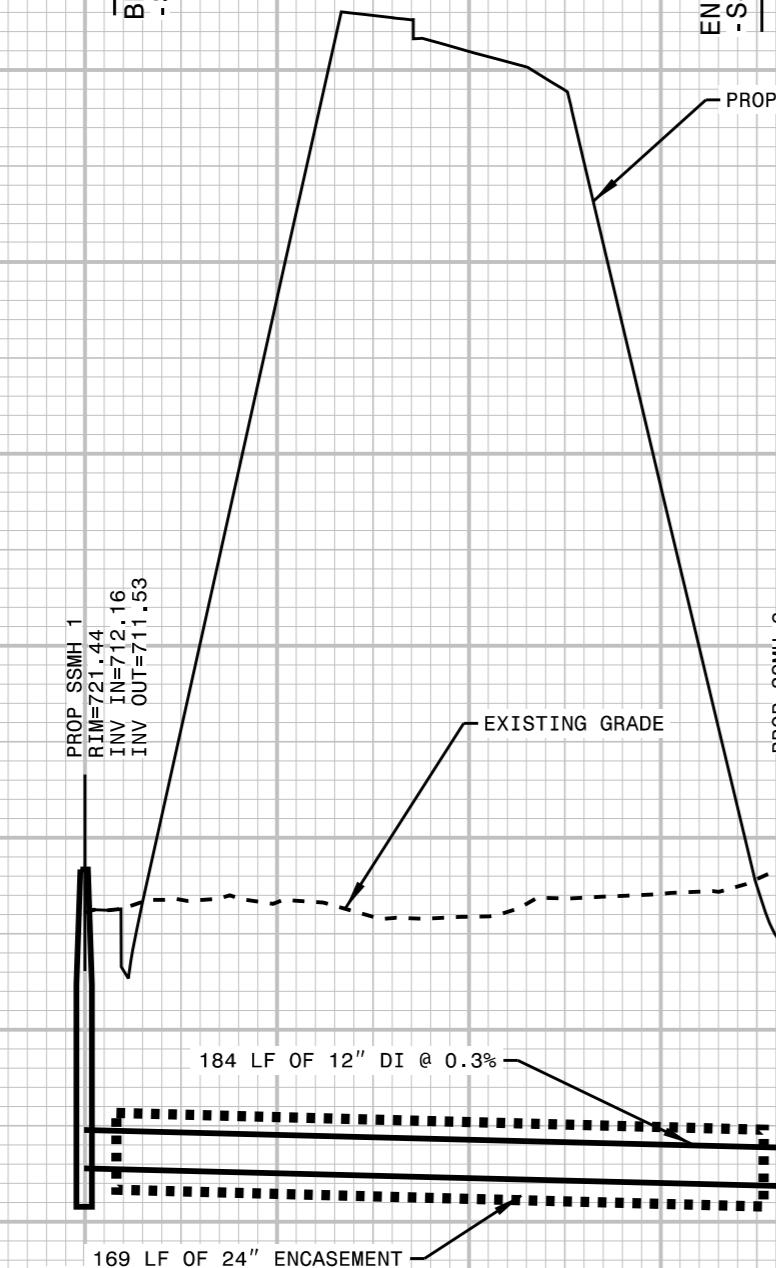
-SS1 - STA 11+76.14

A 5x5 grid of small squares, used for drawing precise lines or shapes.

ROP. ROAD LIMITS

ANSWER

$$\begin{array}{r} \text{END } z^4 \text{ ENCLOSURE} \\ \hline \text{-SS1 - STA } 11+76.14 \end{array}$$



-SS1- SEE SHEET U

11/13/2017