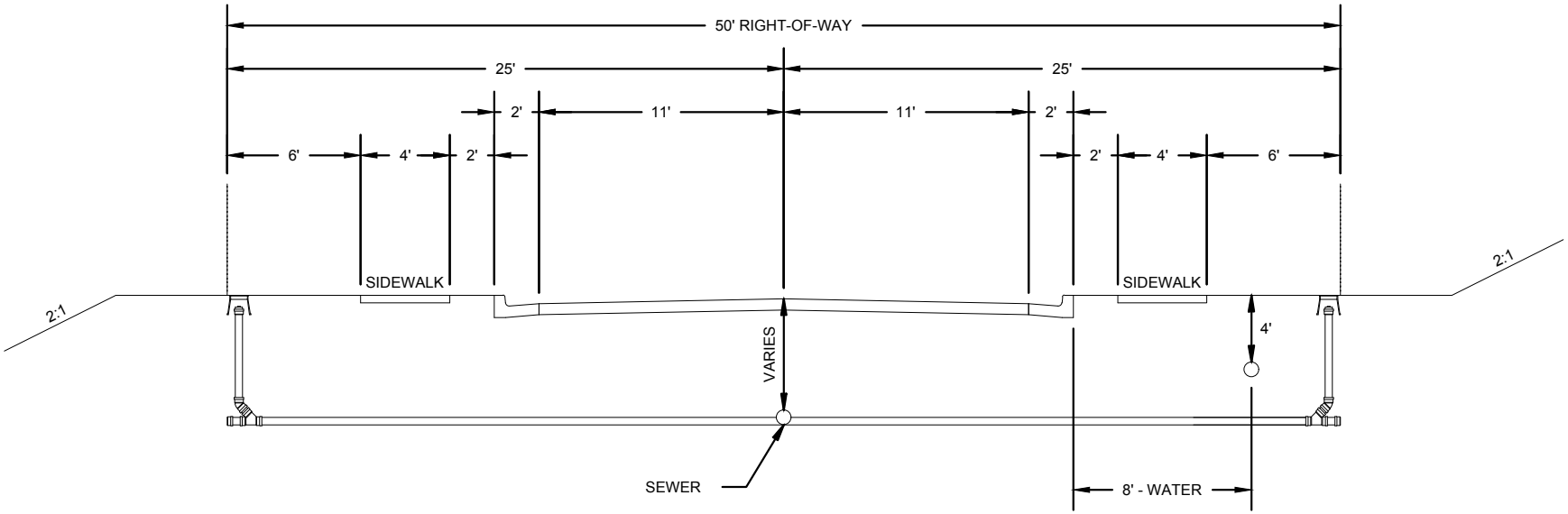



NOTES:

1. NO TREES OR FENCES ALLOWED WITHIN THE ROAD R/W OR UTILITY EASEMENT EXCEPT WHERE REQUIRED BY CITY, COUNTY, OR OTHER GOVERNMENT ORDINANCE.
2. ALL TREES SHALL BE CLEARED AND SHOULDERS GRADED WITHIN 6" OF FINAL GRADE (INCLUDING UTILITY EASEMENT) PRIOR TO THE INSTALLATION OF ANY UTILITIES.
3. UTILITY PLACEMENT SHALL REMAIN CONSISTENT FROM BACK OF CURB THROUGHOUT THE PROJECT REGARDLESS OF ANY INCONSISTENCIES IN ROAD CONSTRUCTION. EXAMPLES: STORM SEWERS, CULVERTS, CUL-DE-SACS, ETC...(EXCEPT CATV).
4. TOTAL CLEARED AND GRADED WIDTH TO BE 60' MINIMUM.
   ELECTRIC, GAS, TELEPHONE, AND CABLE TELEVISION.
5. PROPERTY CORNER REFERENCE SHALL BE PLACED ON CURB AND GUTTER AND ON 10' OFFSET STAKE.
6. ALL WATER DISTRIBUTION AND/OR SEWERAGE SYSTEM APPURTENANCES THAT WILL BE OWNED BY THE SCWA AND ARE NOT LOCATED IN A PUBLIC STREET RIGHT-OF-WAY SHALL BE LOCATED IN A PERMANENT EASEMENT OR DEEDED PROPERTY THAT HAS BEEN CONVEYED TO THE SCWA.
7. WATER METER BOXES SHALL BE LOCATED AT EDGE OF R/W. SEWER SERVICES SHALL BE STUBBED OUT AT EDGE OF R/W OR AT END OF UTILITY EASEMENT (AS APPLICABLE).
8. WATER LATERALS SHALL BE MARKED WITH A BLUE "W" ON CURB. SEWER LATERALS SHALL BE MARKED WITH A GREEN "X" ON CURB.
9. DEPTH REQUIREMENTS INDICATE MINIMUM DEPTH AT TIME OF INSTALLATION BELOW CURB LINE.
10. THIS STANDARD MAY BE COMBINED WITH GOVERNING ROADWAY JURISDICTION UTILITY PLACEMENT STANDARDS.
11. UTILITIES SHALL BE LOCATED WITHIN PLUS/MINUS 6" OF PLAN LOCATION.
12. PROVIDE CLEANOUT AT END OF UTILITY EASEMENT FOR EVERY SERVICE.
13. MAINTAIN MINIMUM 18" VERTICAL SEPARATION (ON ANY UTILITY) AT ALL CROSSINGS.
14. ALL SEWER BOXES WITHIN TRAFFIC / DRIVE AREAS SHALL BE RATED FOR H-20 LOAD CAPACITY.

SPALDING COUNTY WATER AUTHORITY

# RESIDENTIAL UTILITY PLACEMENT FOR ROAD WITH 50' RIGHT-OF-WAY

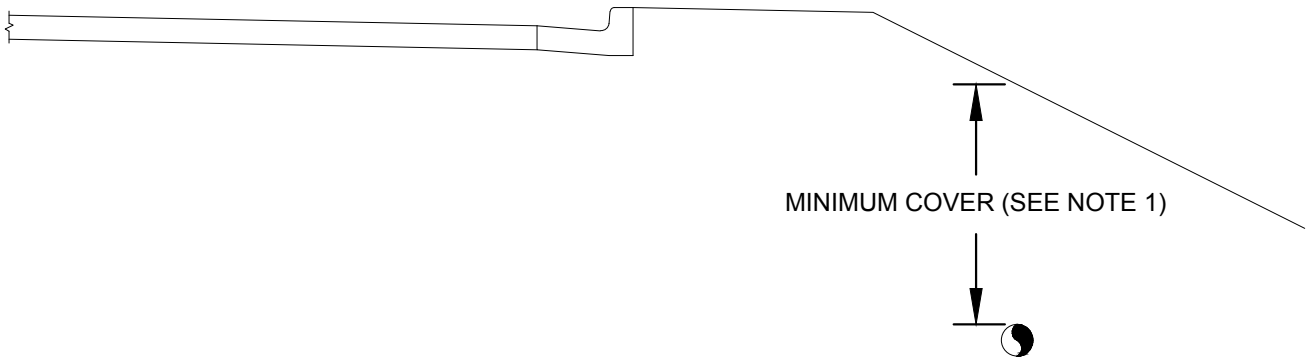
SPEC. DATE: 2024

REVISED: N/A

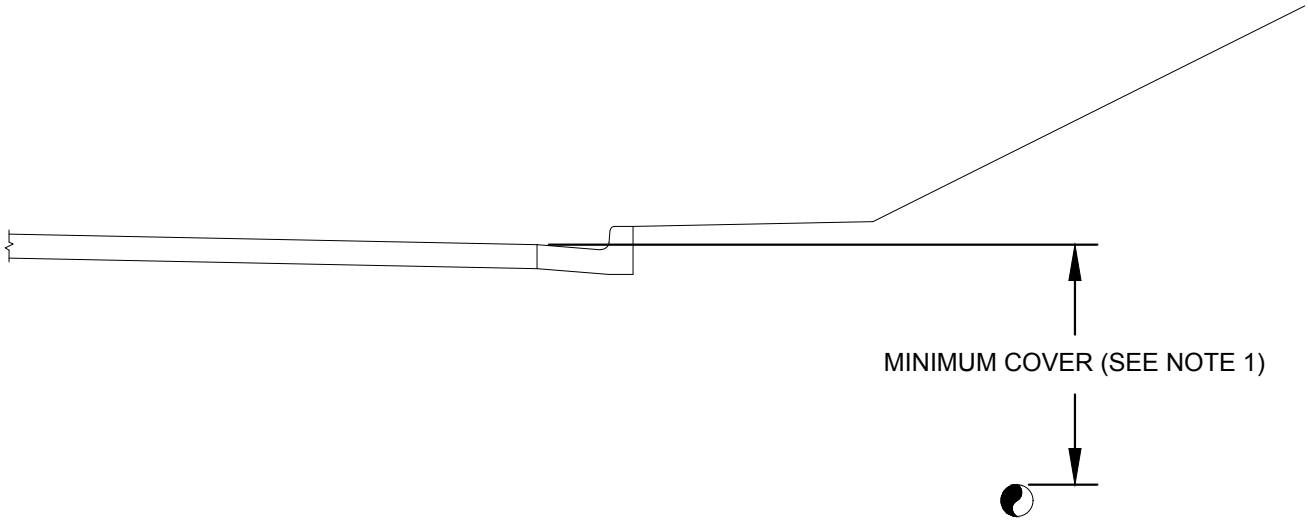
SCALE: N.T.S.

DETAIL NO.

S01




## PIPE DEPTH WITH DECLINING GRADE AT EDGE OF PAVEMENT

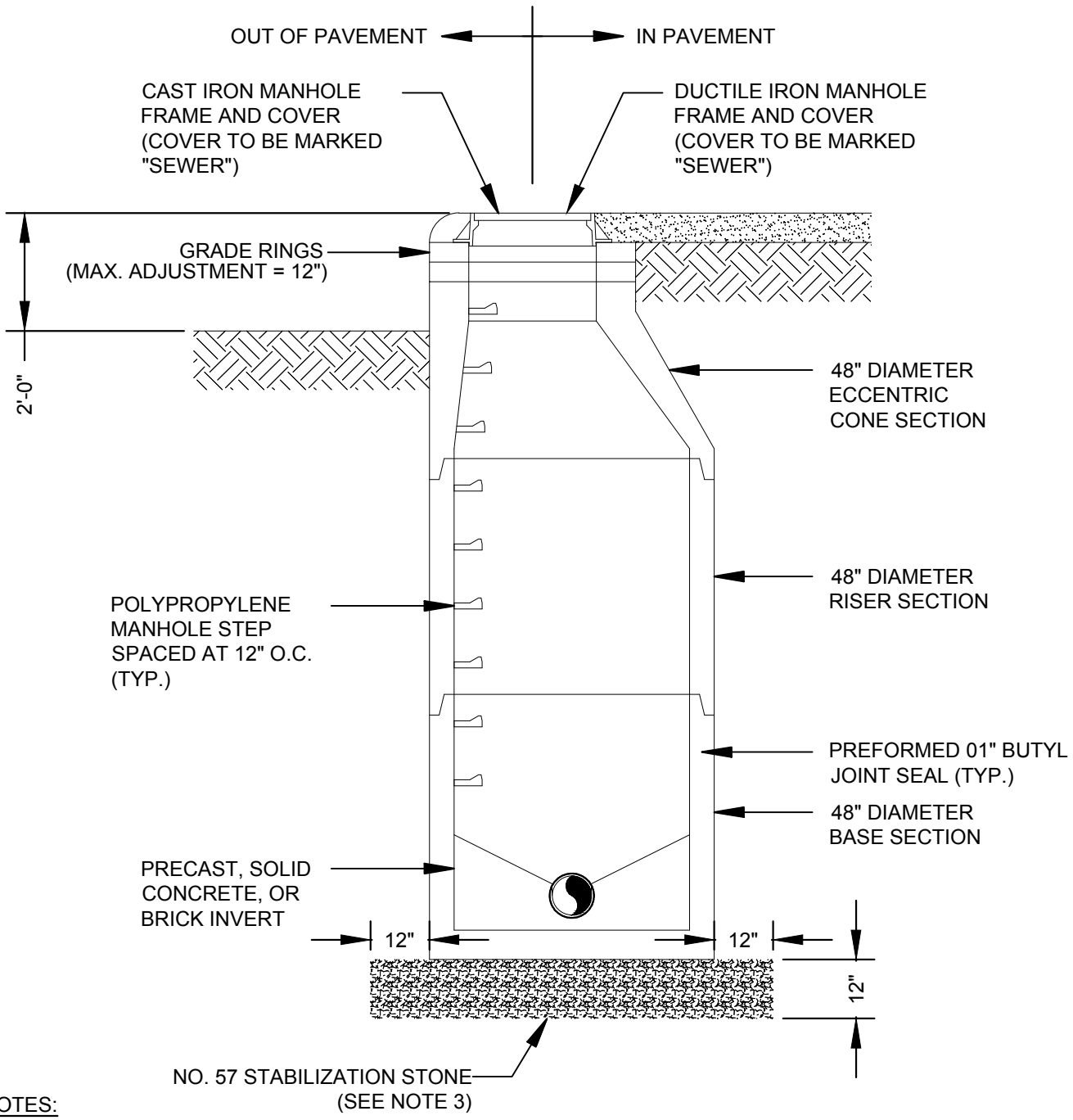



## PIPE DEPTH WITH INCREASING GRADE AT EDGE OF PAVEMENT

NOTES:

1. SANITARY SEWER GRAVITY MAINS SHALL HAVE A MINIMUM COVER OF 4'-0" AND SANITARY SEWER FORCE MAINS SHALL HAVE A MINIMUM COVER OF 5'-0" UNLESS OTHERWISE APPROVED BY SCWA.

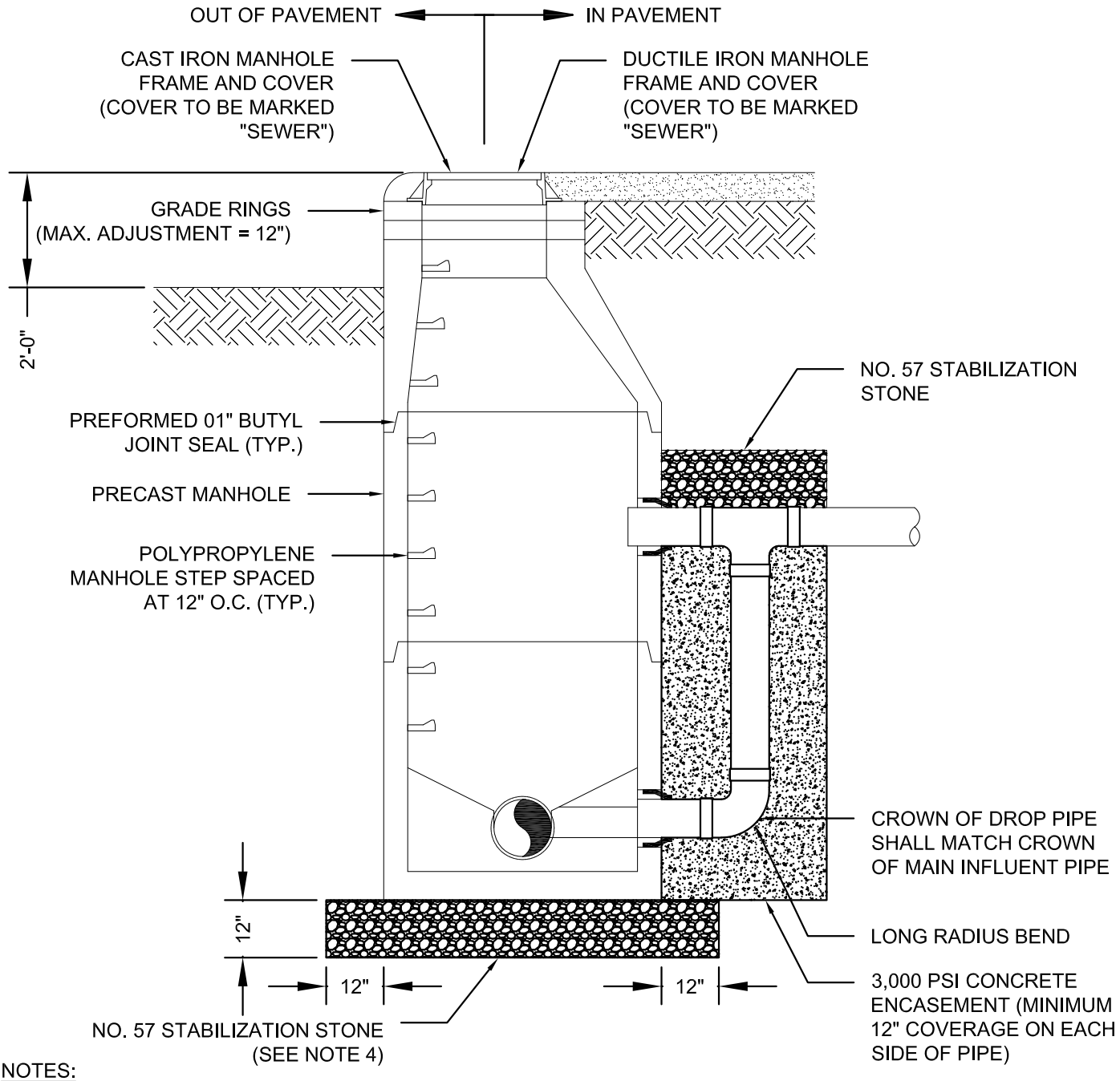
| | | |
|---|---|---|
| spalding county SCWA water authority | SPALDING COUNTY WATER AUTHORITY | SPEC. DATE: 2024 |
| | PIPE DEPTH AT EDGE OF PAVEMENT | REVISED: N/A |
| | | SCALE: N.T.S. |
| | | DETAIL NO. S02 |




NOTES:

1. MANHOLES LOCATED OUTSIDE OF PAVEMENT SHALL HAVE WATER TIGHT BOLT-DOWN LIDS AND 2 FEET ABOVE FINISHED GRADE WITH FRAME CAST INTO THE CONE SECTION.
2. MANHOLES SHALL HAVE A MINIMUM DROP OF 0.10 FEET FROM INFLUENT INVERT TO EFFLUENT INVERT.
3. IN DRIVEWAYS OR R/W COMPACT SUBGRADE TO 95% STANDARD PROCTOR / PROVIDE CONCRETE LEVELING PAD WHERE SOILS ARE POOR. IN YARDS, COMPACT SUBGRADE TO 90% STANDARD PROCTOR.

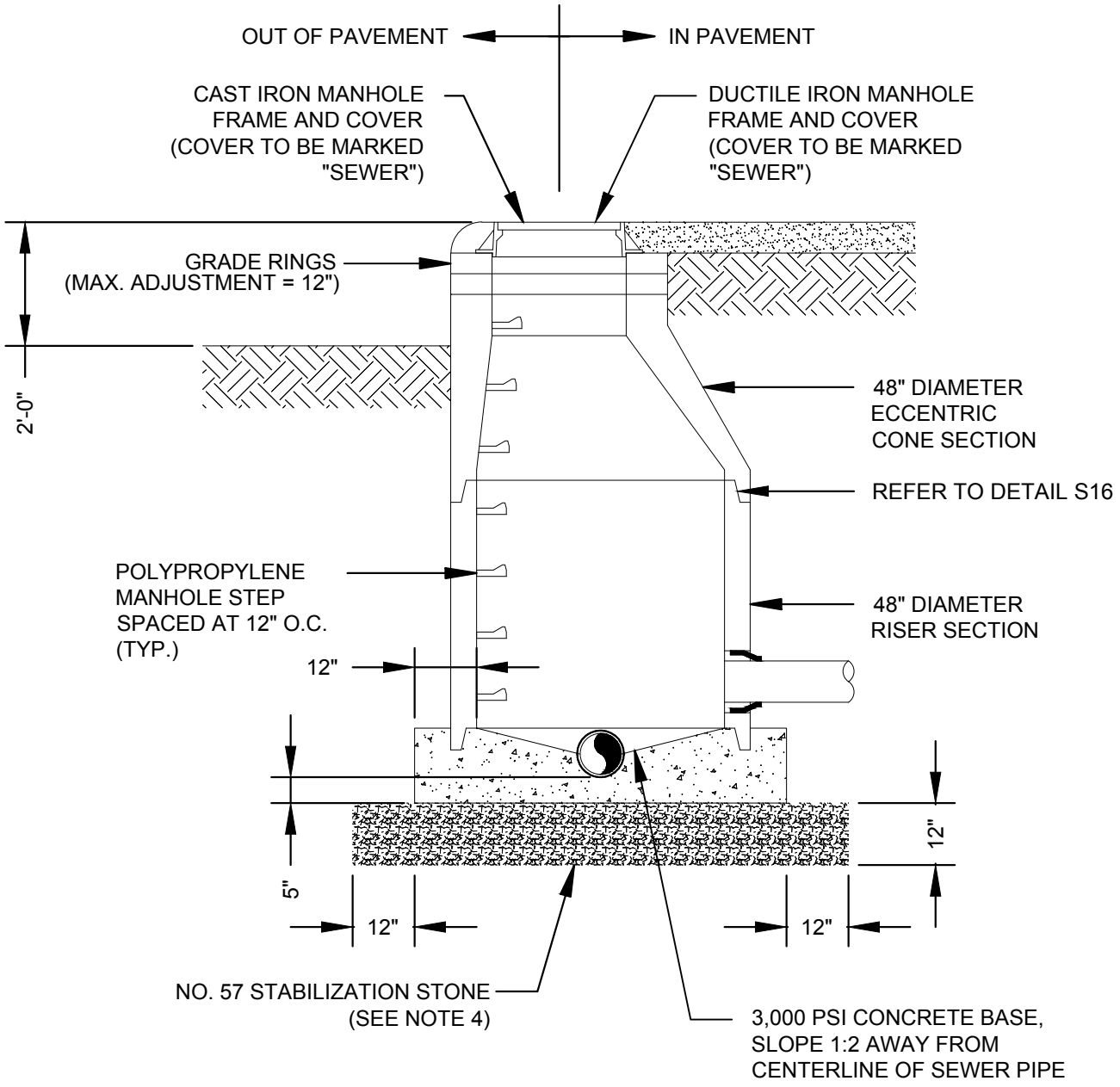
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|---|---|---|
| spalding county SCWA water authority | SPALDING COUNTY WATER AUTHORITY | SPEC. DATE: 2024 |
| | # STANDARD SANITARY SEWER MANHOLE | REVISED: N/A |
| | | SCALE: N.T.S. |
| | | DETAIL NO. S03 |




NOTES:

1. OUTSIDE DROPS EVALUATED ON CASE BY CASE BASIS AND MUST BE APPROVED IN WRITING BY SCWA PRIOR INSTALLATION.
2. MANHOLES LOCATED OUTSIDE OF PAVEMENT SHALL HAVE WATER TIGHT BOLT-DOWN LIDS AND 2 FEET ABOVE FINISHED GRADE WITH FRAME CAST INTO THE CONE SECTION.
3. PIPE ENCASED IN CONCRETE SHALL BE WRAPPED WITH MINIMUM 10 MIL PLASTIC.
4. IN DRIVEWAYS OR R/W COMPACT SUBGRADE TO 95% STANDARD PROCTOR / PROVIDE CONCRETE LEVELING PAD WHERE SOILS ARE POOR. IN YARDS, COMPACT SUBGRADE TO 90% STANDARD PROCTOR.

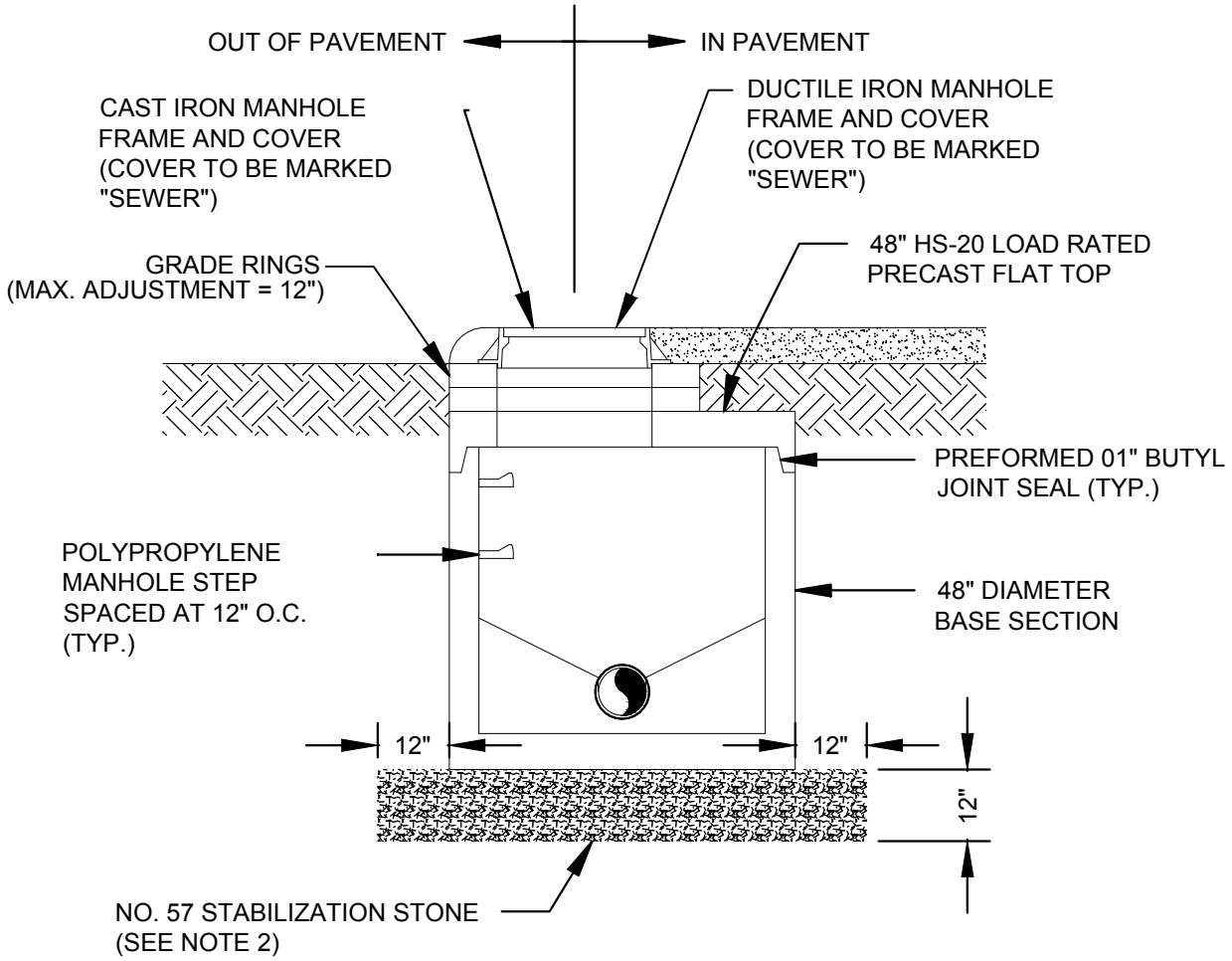
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|---|---|---|
| spalding county SCWA water authority | SPALDING COUNTY WATER AUTHORITY | SPEC. DATE: 2026 |
| | | REVISED: NOV 2026 |
| | # SANITARY MANHOLE WITH OUTSIDE DROP | SCALE: N.T.S. |
| | | DETAIL NO. S04 |




NOTES:

1. ALL JOINTS AROUND EXISTING AND PROPOSED SEWER LINE SHALL BE GROUTED WATERTIGHT.
2. AFTER DOGHOUSE MANHOLE CONSTRUCTION IS COMPLETE, TOP HALF OF EXISTING SEWER LINE SHALL BE CUT OUT USING A METHOD APPROVED BY THE SCWA INSPECTOR.
3. MANHOLES LOCATED OUTSIDE OF PAVEMENT SHALL HAVE WATER TIGHT BOLT-DOWN LIDS AND 2 FEET ABOVE FINISHED GRADE WITH FRAME CAST INTO THE CONE SECTION.
4. IN DRIVEWAYS OR R/W COMPACT SUBGRADE TO 95% STANDARD PROCTOR / PROVIDE CONCRETE LEVELING PAD WHERE SOILS ARE POOR. IN YARDS, COMPACT SUBGRADE TO 90% STANDARD PROCTOR.

| | SPALDING COUNTY WATER AUTHORITY | SPEC. DATE: 2024 |
|---|---|---|
| spalding county SCWA water authority | # SANITARY SEWER DOGHOUSE MANHOLE | REVISED: N/A |
| | | SCALE: N.T.S. |
| | | DETAIL NO. S05 |

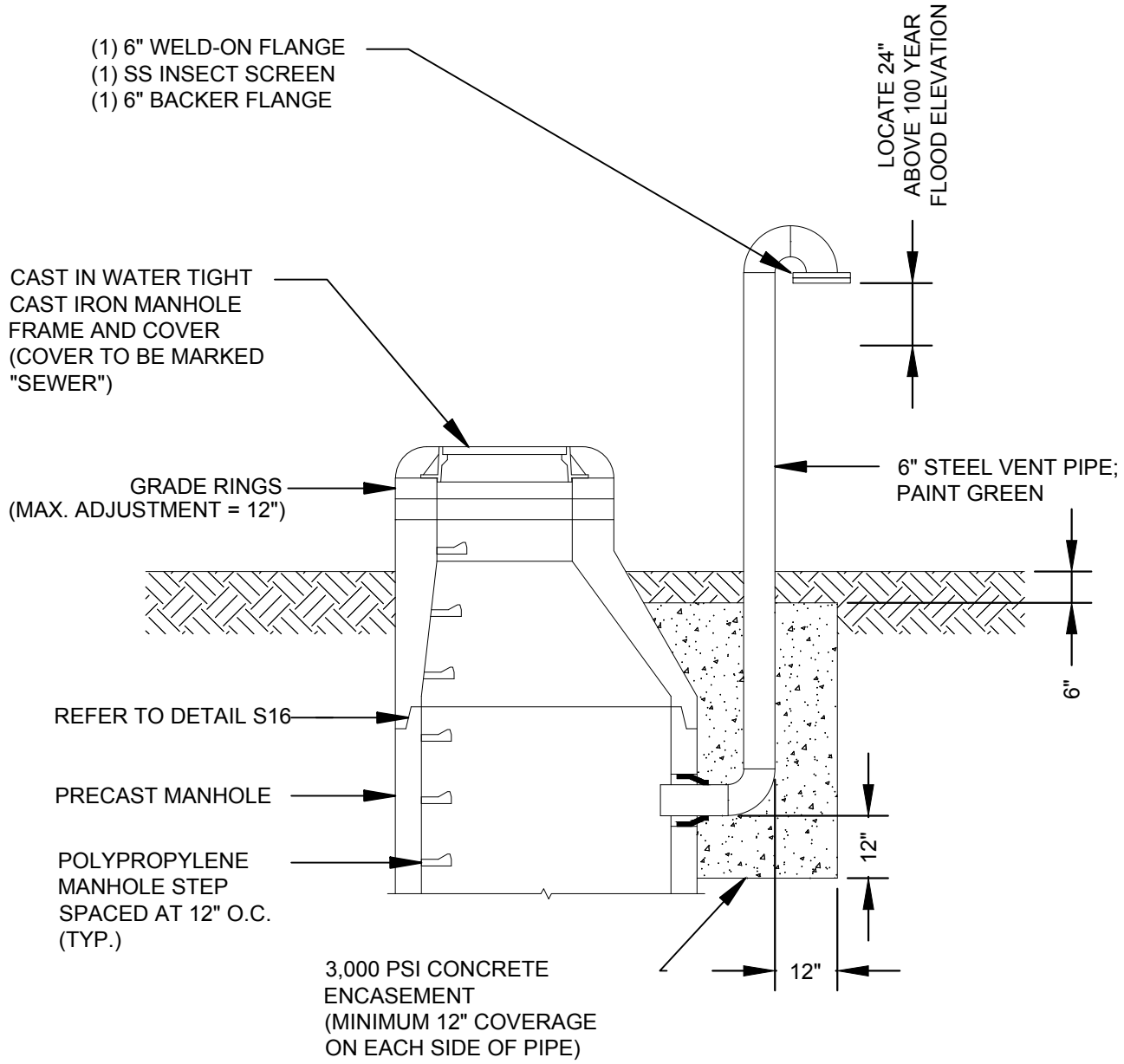



NOTES:

1. MANHOLES LOCATED OUTSIDE OF PAVEMENT SHALL HAVE WATER TIGHT BOLT-DOWN LIDS AND 2 FEET ABOVE FINISHED GRADE WITH FRAME CAST INTO THE CONE SECTION.

2. IN DRIVEWAYS OR R/W COMPACT SUBGRADE TO 95% STANDARD PROCTOR / PROVIDE CONCRETE LEVELING PAD WHERE SOILS ARE POOR. IN YARDS, COMPACT SUBGRADE TO 90% STANDARD PROCTOR.

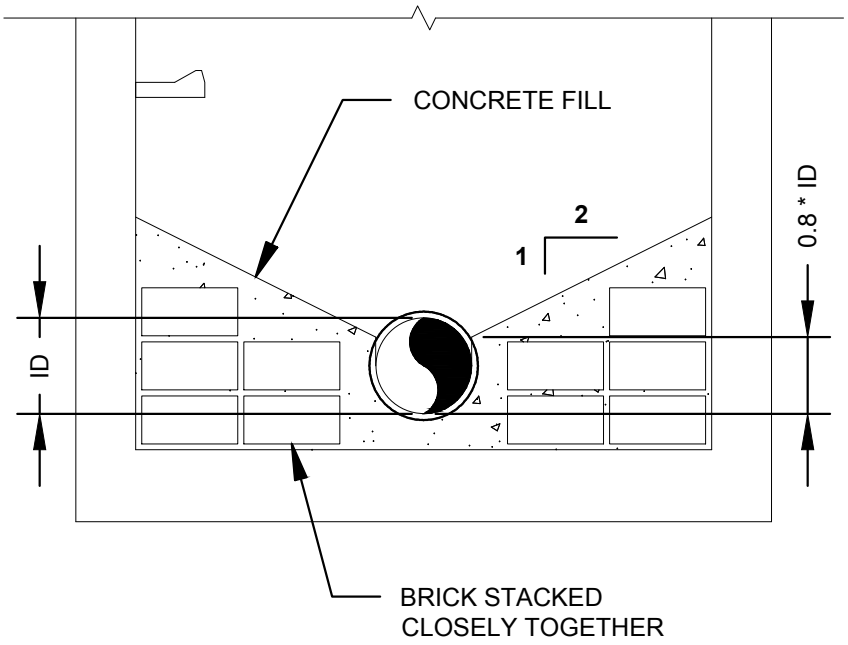
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|---|---|---|
| spalding county SCWA water authority | SPALDING COUNTY WATER AUTHORITY | SPEC. DATE: 2024 |
| | SHALLOW SANITARY SEWER MANHOLE | REVISED: N/A |
| | | SCALE: N.T.S. |
| | | DETAIL NO. S06 |




NOTES:

1. MANHOLES LOCATED OUTSIDE OF PAVEMENT SHALL HAVE WATER TIGHT BOLT-DOWN LIDS AND 2 FEET ABOVE FINISHED GRADE WITH FRAME CAST INTO THE CONE SECTION.

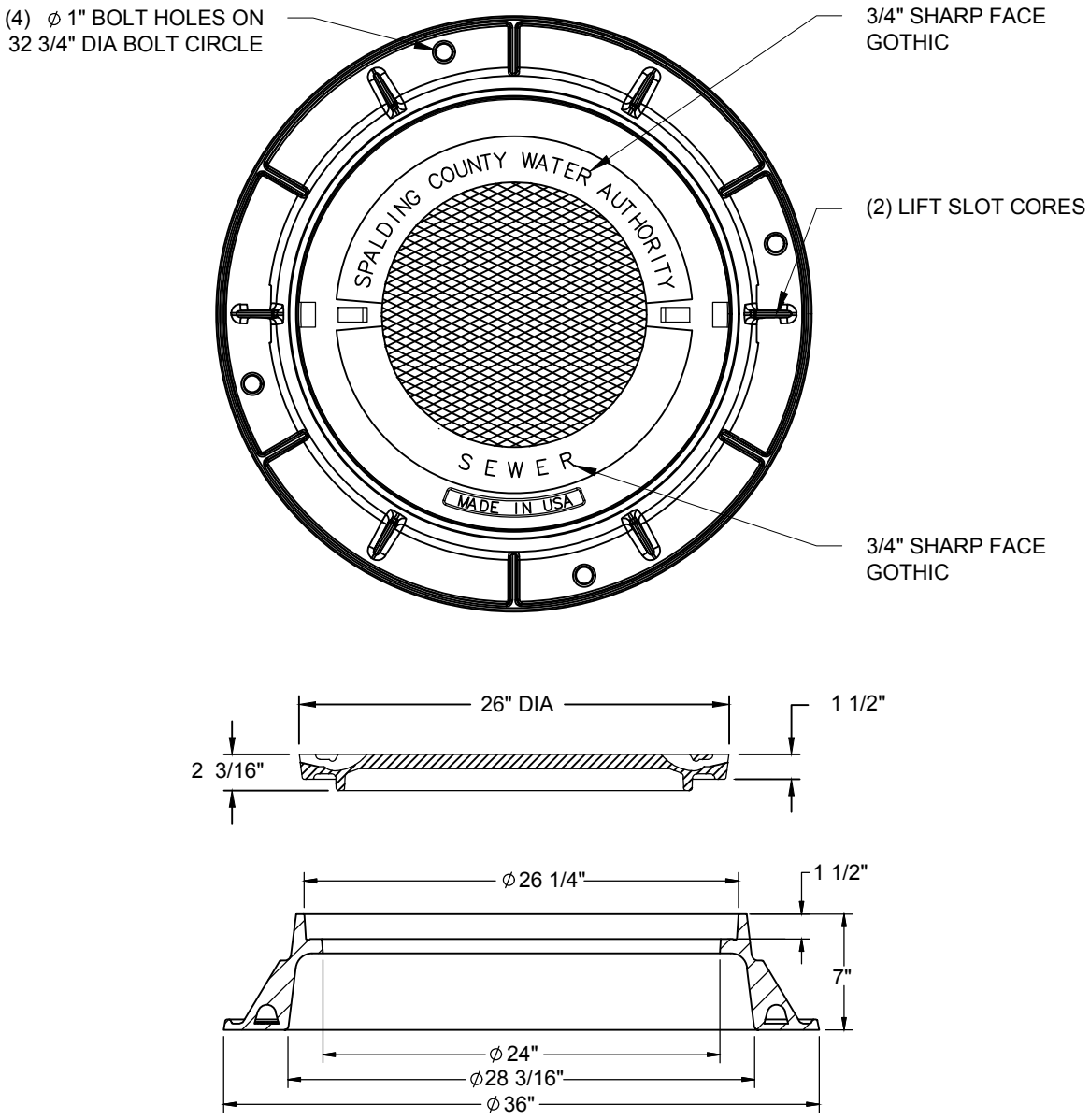
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|---|---|---|
| spalding county SCWA water authority | SPALDING COUNTY WATER AUTHORITY | SPEC. DATE: 2024 |
| | SANITARY SEWER MANHOLE VENT | REVISED: N/A |
| | | SCALE: N.T.S. |
| | | DETAIL NO. S07 |




NOTES:

1. CONCRETE FILL SHALL BE 3 PARTS SAND TO 1 PART CEMENT.
2. BRICK SHALL BE COMMON SMOOTH RED BRICK.
3. PROVIDE A MINIMUM OF 2" OF COVER OVER BRICK.

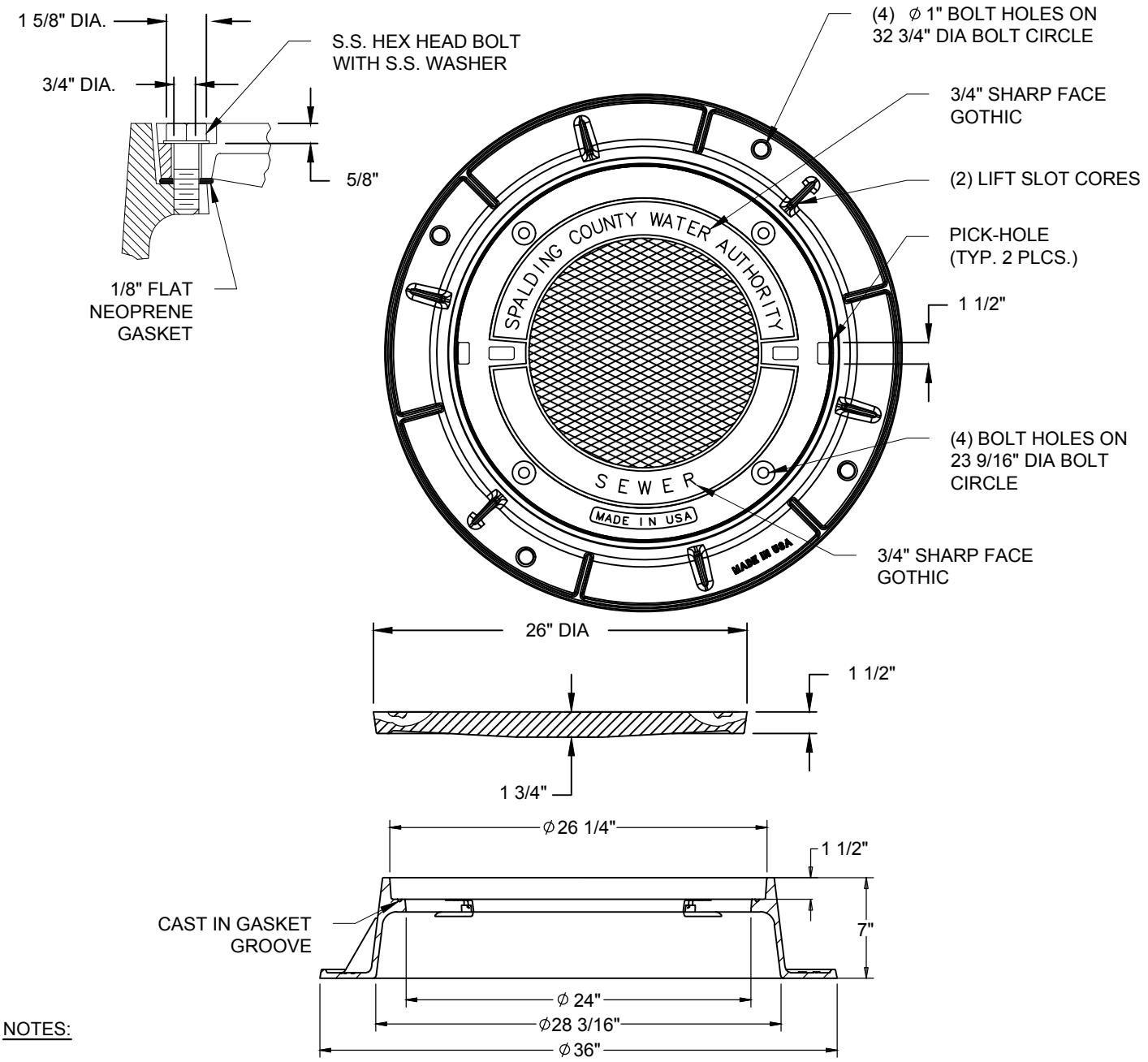
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|---|---|---|
| spalding county SCWA water authority | SPALDING COUNTY WATER AUTHORITY | SPEC. DATE: 2024 |
| | STANDARD MANHOLE INVERT | REVISED: N/A |
| | | SCALE: N.T.S. |
| | | DETAIL NO. S08 |




NOTES:

1. MANHOLE FRAME AND COVER SHALL BE:
   - CAST IRON - FOR GENERAL MANHOLE LID APPLICATIONS
     -COVER: EAST JORDAN IRON WORKS PRODUCT NUMBER: 001040734 OR SCWA APPROVED EQUAL
     -FRAME: EAST JORDAN IRON WORKS PRODUCT NUMBER: 00104511 OR SCWA APPROVED EQUAL
   - HEAVY DUTY DUCTILE IRON - FOR TRAFFIC RATED MANHOLE LID APPLICATIONS
     -COVER: EAST JORDAN IRON WORKS PRODUCT NUMBER: 00190595 OR SCWA APPROVED EQUAL
     -FRAME: EAST JORDAN IRON WORKS PRODUCT NUMBER: 00104511 OR SCWA APPROVED EQUAL
   - COMPOSITE - FOR CORROSION RESISTANT MANHOLE LID APPLICATIONS
     -COVER: EAST JORDAN IRON WORKS PRODUCT NUMBER: COM104098 OR SCWA APPROVED EQUAL
     -FRAME: EAST JORDAN IRON WORKS PRODUCT NUMBER: COM104098 OR SCWA APPROVED EQUAL
2. BEARING SURFACES SHALL BE MACHINED.

| | | |
|---|---|---|
| spalding county SCWA water authority | SPALDING COUNTY WATER AUTHORITY | SPEC. DATE: 2024 |
| | STANDARD SANITARY SEWER MANHOLE LID | REVISED: N/A |
| | | SCALE: N.T.S. |
| | | DETAIL NO. S09 |




NOTES:

1. MANHOLE FRAME AND COVER SHALL BE:
   - CAST IRON - FOR GENERAL MANHOLE LID APPLICATIONS
     -COVER: EAST JORDAN IRON WORKS PRODUCT NUMBER: 001040735 OR SCWA APPROVED EQUAL
     -FRAME: EAST JORDAN IRON WORKS PRODUCT NUMBER: 00104512 OR SCWA APPROVED EQUAL
   - HEAVY DUTY DUCTILE IRON - FOR TRAFFIC RATED MANHOLE LID APPLICATIONS
     -COVER: EAST JORDAN IRON WORKS PRODUCT NUMBER: 00190596 OR SCWA APPROVED EQUAL
     -FRAME: EAST JORDAN IRON WORKS PRODUCT NUMBER: 00104512 OR SCWA APPROVED EQUAL
   - COMPOSITE - FOR CORROSION RESISTANT MANHOLE LID APPLICATIONS
     -COVER: EAST JORDAN IRON WORKS PRODUCT NUMBER: COM104098 OR SCWA APPROVED EQUAL
     -FRAME: EAST JORDAN IRON WORKS PRODUCT NUMBER: COM104098 OR SCWA APPROVED EQUAL
2. BEARING SURFACES SHALL BE MACHINED.

SPALDING COUNTY WATER AUTHORITY

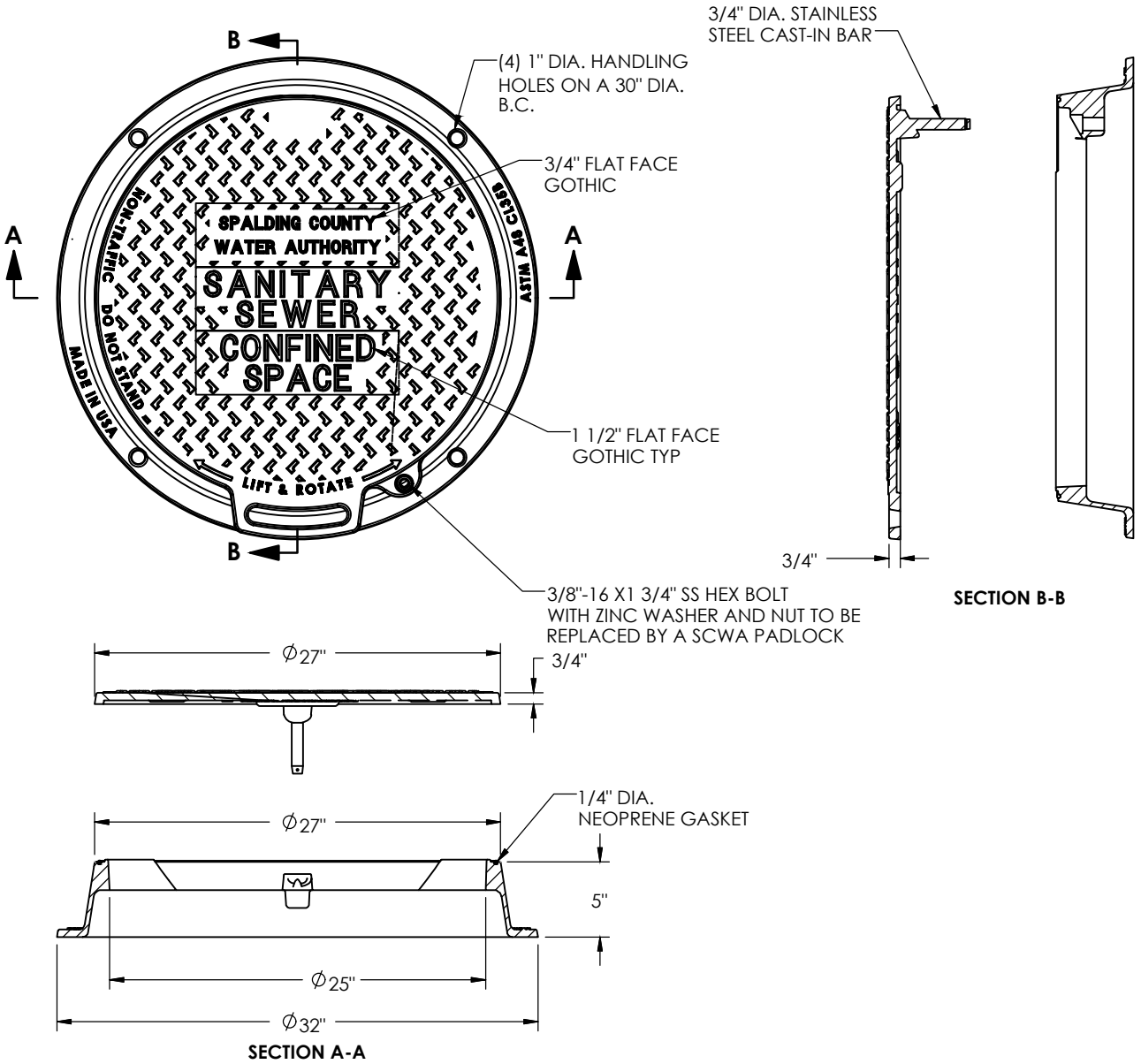
SPEC. DATE: 2024

REVISED: N/A

SCALE: N.T.S.

# WATERTIGHT SANITARY SEWER MANHOLE LID

DETAIL NO. S10

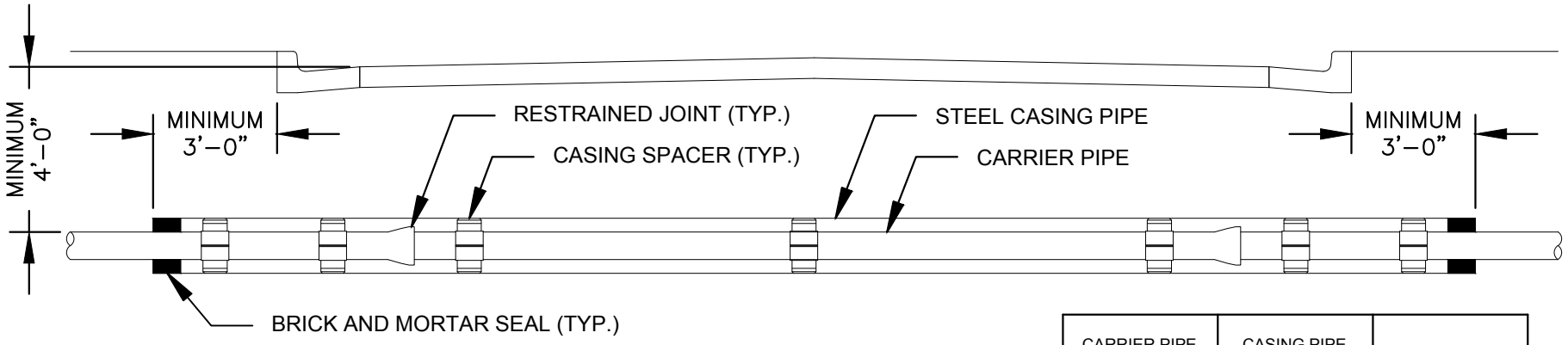


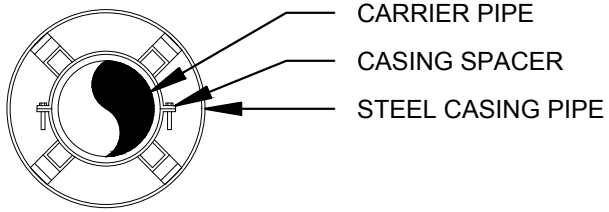

NOTES:

1. MANHOLE LIDS WITH RIM ELEVATIONS 3 FEET OR MORE ABOVE FINAL GRADE SHALL UTILIZE ARTICULATING COVER.

2. ARTICULATING MANHOLE FRAME AND COVER SHALL BE:
-EAST JORDAN IRON WORKS PRODUCT NUMBER: NPR25-001917-03726 OR SCWA APPROVED EQUAL.

| | | |
|---|---|---|
| spalding county SCWA water authority | SPALDING COUNTY WATER AUTHORITY | SPEC. DATE: 2024 |
| | ARTICULATING SANITARY SEWER MANHOLE LID | REVISED: N/A |
| | | SCALE: N.T.S. |
| | | DETAIL NO. S11 |




| CARRIER PIPE NOMINAL DIAMETER (IN) | CASING PIPE NOMINAL DIAMETER (IN) | CASING PIPE THICKNESS (IN) |
|---|---|---|
| 8 | 16 | 0.2500 |
| 10 | 18 | 0.2500 |
| 12 | 20 | 0.3130 |
| 16 | 26 | 0.3750 |
| 20 | 30 | 0.4380 |
| 24 | 36 | 0.5000 |
| 30 | 42 | 0.5000 |
| 36 | 48 | 0.6250 |
| 42 | 54 | 0.7500 |

NOTES:

1. JOINTS INSIDE CASING PIPE SHALL BE RESTRAINED.
2. PROVIDE A MINIMUM OF 3 CASING SPACERS PER JOINT OF PIPE.
3. ENDS OF CASING PIPE SHALL BE SEALED WITH 8" BRICK AND CEMENT MORTAR.
4. ALL COUNTY ROAD CROSSINGS SHALL BE INSTALLED IN ACCORDANCE WITH SPALDING COUNTY DOT STANDARDS AND PERMIT REQUIREMENTS.
5. ALL STATE HIGHWAY CROSSINGS SHALL BE INSTALLED IN ACCORDANCE WITH GEORGIA DOT STANDARDS AND PERMIT REQUIREMENTS.
6. ALL RAILROAD CROSSINGS SHALL BE INSTALLED IN ACCORDANCE WITH AMERICAN RAILWAY ENGINEERING ASSOCIATION REGULATIONS AND IN ACCORDANCE WITH PERMIT REQUIREMENTS.

SPALDING COUNTY WATER AUTHORITY

# TYPICAL JACK AND BORE DETAIL

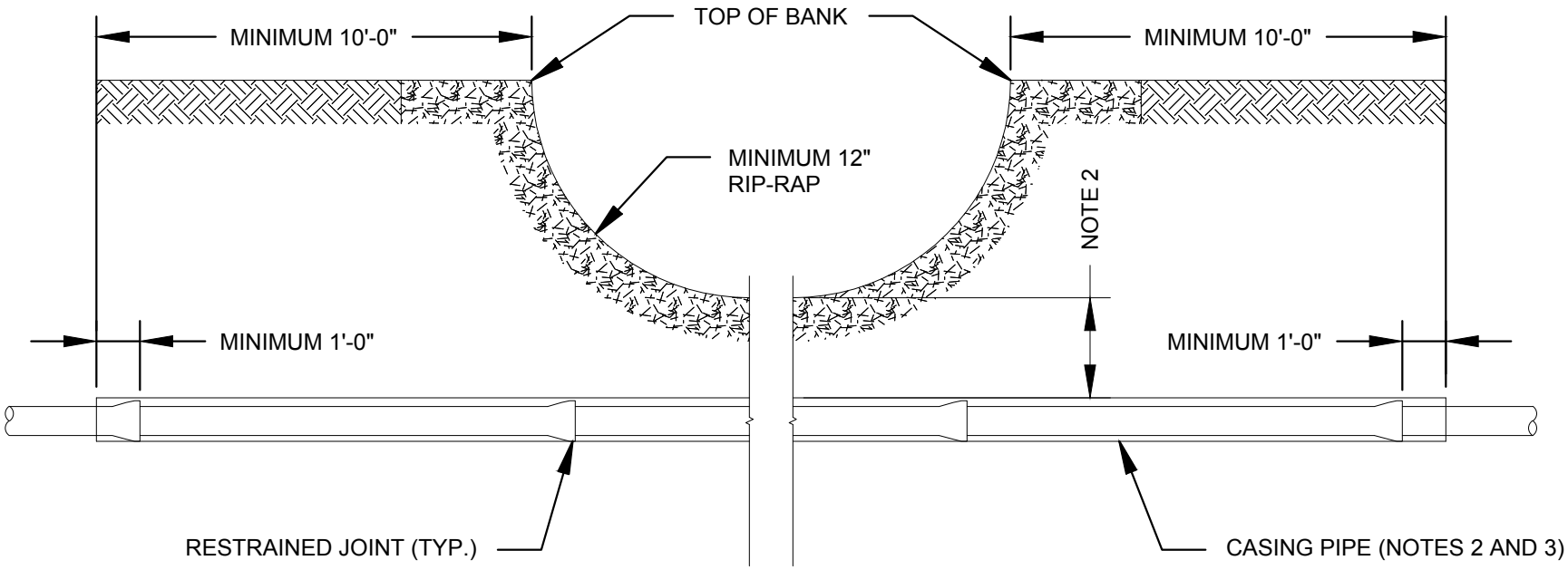
SPEC. DATE: 2024

REVISED: N/A

SCALE: N.T.S.

DETAIL NO.

S12




NOTES:

1. MINIMUM DEPTH OF COVER SHALL BE 12 INCHES.
2. REFER TO DETAIL S12 FOR GRAVITY SEWER AND PS25 FOR FORCE MAIN CASING DIAMETERS.
3. STONE RIP-RAP SHALL HAVE A MINIMUM LENGTH OF 5 FEET UPSTREAM AND DOWNSTREAM FROM CENTERLINE OF PIPE ALONG CREEK BED; ACTUAL SIZE AND LENGTH SHALL BE DETERMINED BASED ON HYDRAULIC CALCULATIONS.

SPALDING COUNTY WATER AUTHORITY

SPEC. DATE: 2024

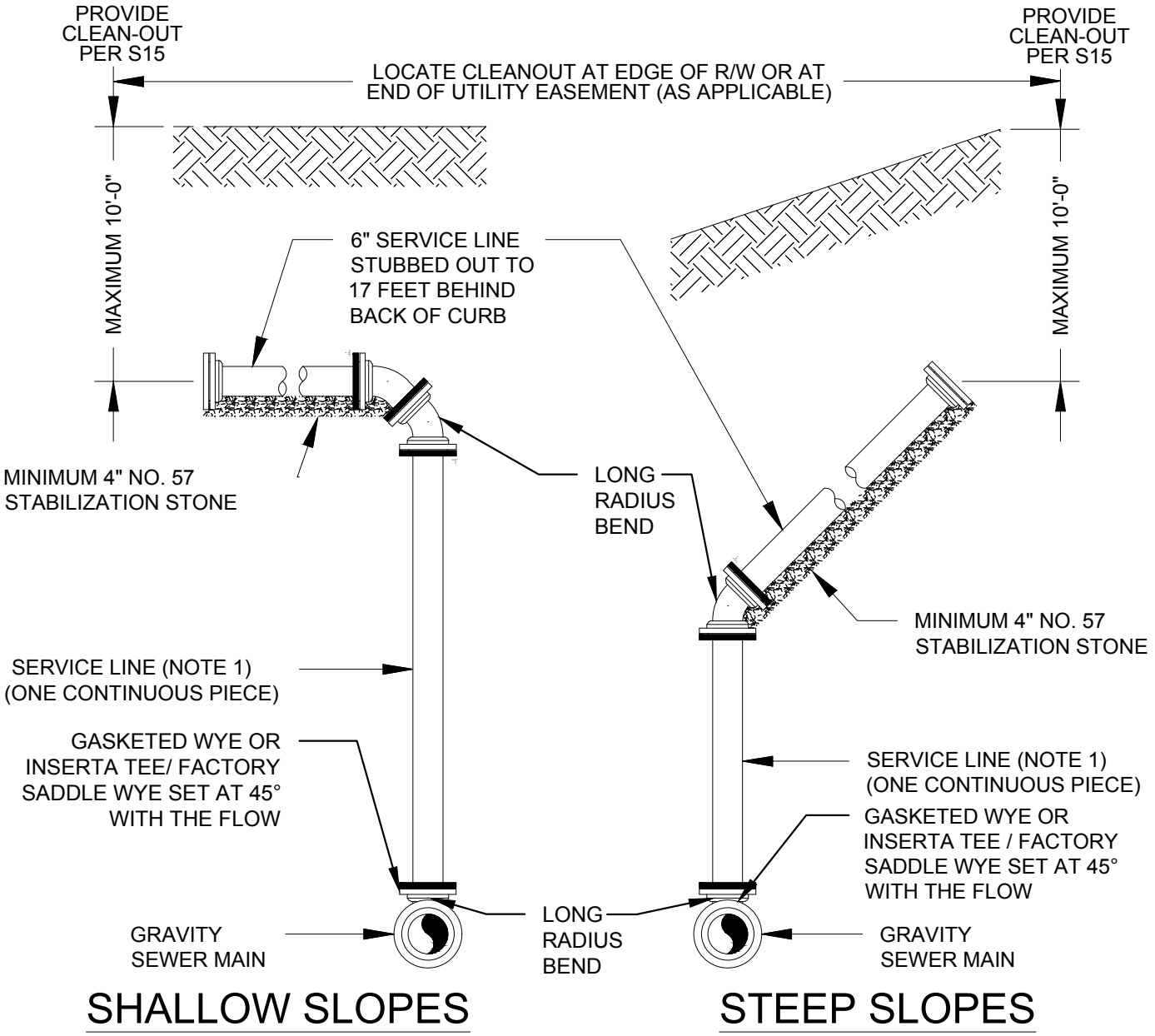
REVISED: N/A

SCALE: N.T.S.

# CREEK CROSSING

DETAIL NO.

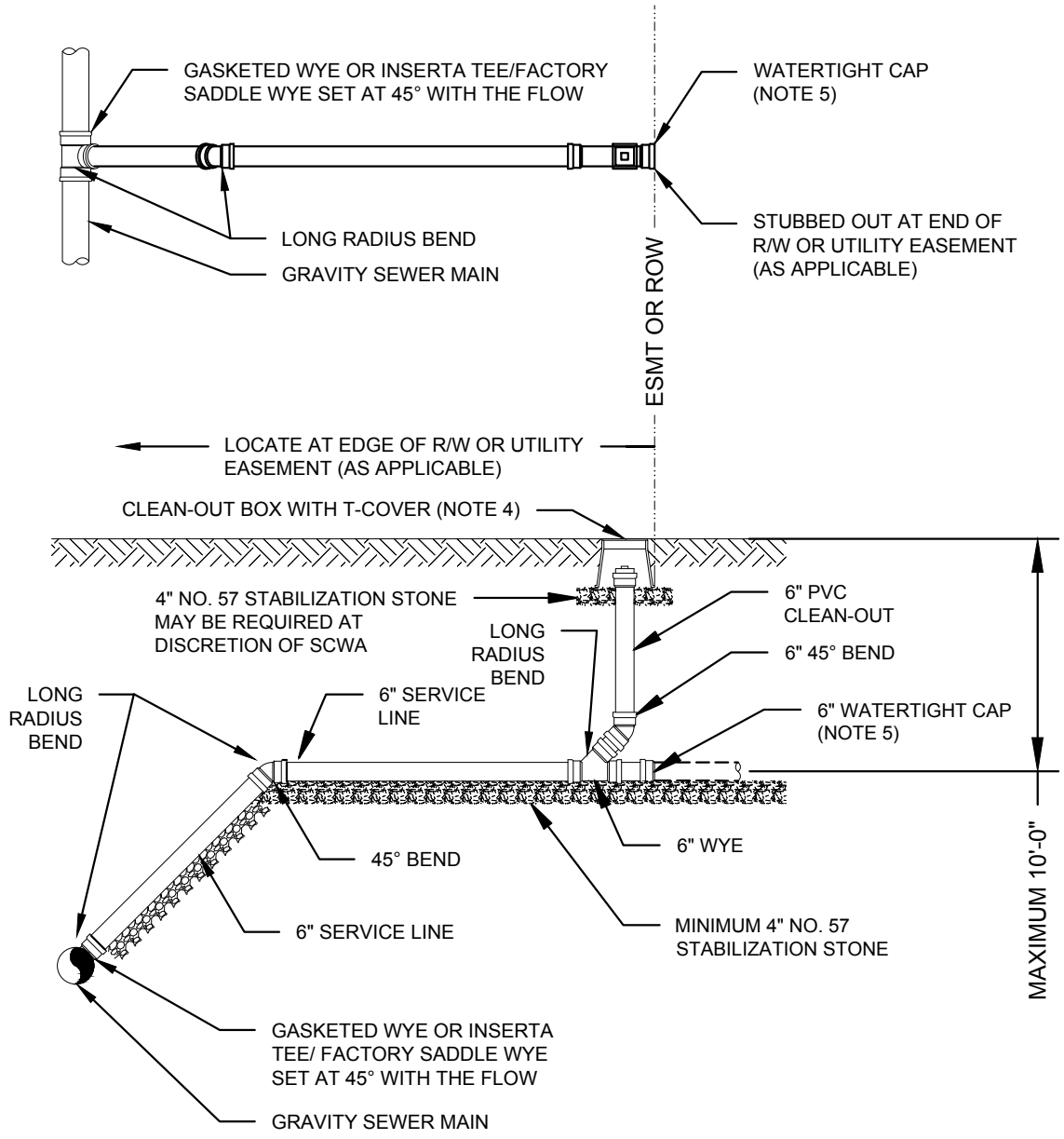
S13




NOTES:

1. ACCEPTABLE USE OF SERVICE LINE MATERIAL WITH RESPECT TO DEPTH OF PIPE BURIAL SHALL BE VERIFIED BY THE DEVELOPER'S DESIGN PROFESSIONAL.
2. SERVICE LINES SHALL BE STUBBED OUT TO R/W OR BACK OF UTILITY EASEMENT (AS APPLICABLE) AND SHALL BE NO MORE THAN 10 FEET DEEP.
3. FITTINGS SHALL BE RESTRAINED.
4. SERVICE LINE SHALL BE PLUGGED WITH A WATERTIGHT CAP.

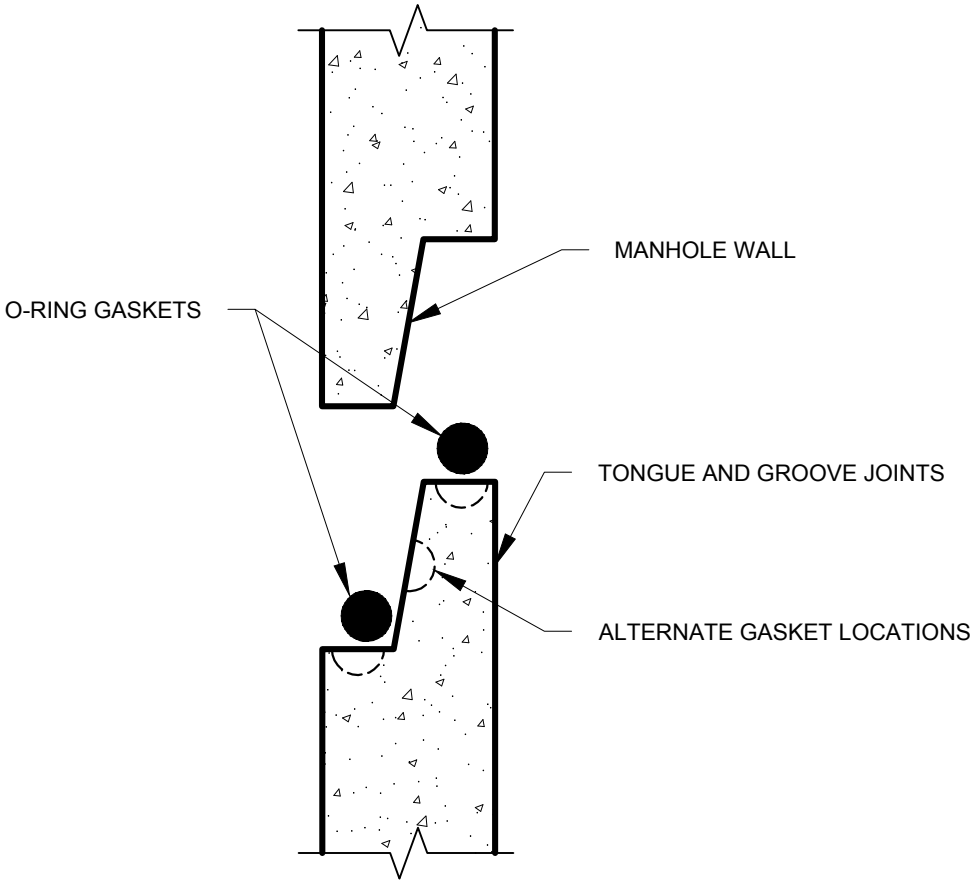
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|---|---|---|
| spalding county SCWA water authority | SPALDING COUNTY WATER AUTHORITY | SPEC. DATE: 2024 |
| | # SERVICE LATERAL FOR SEWER LINES 16 FEET DEEP AND GREATER | REVISED: N/A |
| | | SCALE: N.T.S. |
| | | DETAIL NO. S14 |




NOTES:

1. A SEWER TAP INSPECTION IS REQUIRED BY SCWA.
2. SERVICE LINES HAVING LESS THAN 5 FEET OF COVER MATERIAL SHALL BE SPECIFIED BY SCWA.
3. SERVICE LINES SHALL BE STUBBED OUT TO R/W OR BACK OF UTILITY EASEMENT (AS APPLICABLE) AND SHALL BE NO MORE THAN 10 FEET DEEP.
4. CLEAN-OUT COVER SHALL HAVE "SCWA SEWER" EMBOSSED ON LID AND BE FLUSH WITH FINISHED GRADE.
5. A WATER TIGHT CAP SHALL BE INSTALLED ON THE END OF THE LINE.
6. PLUMBING CONTRACTOR SHALL TIE ON TO SERVICE LINE USING STANDARD PVC FITTINGS OR FERNCO FITTING.

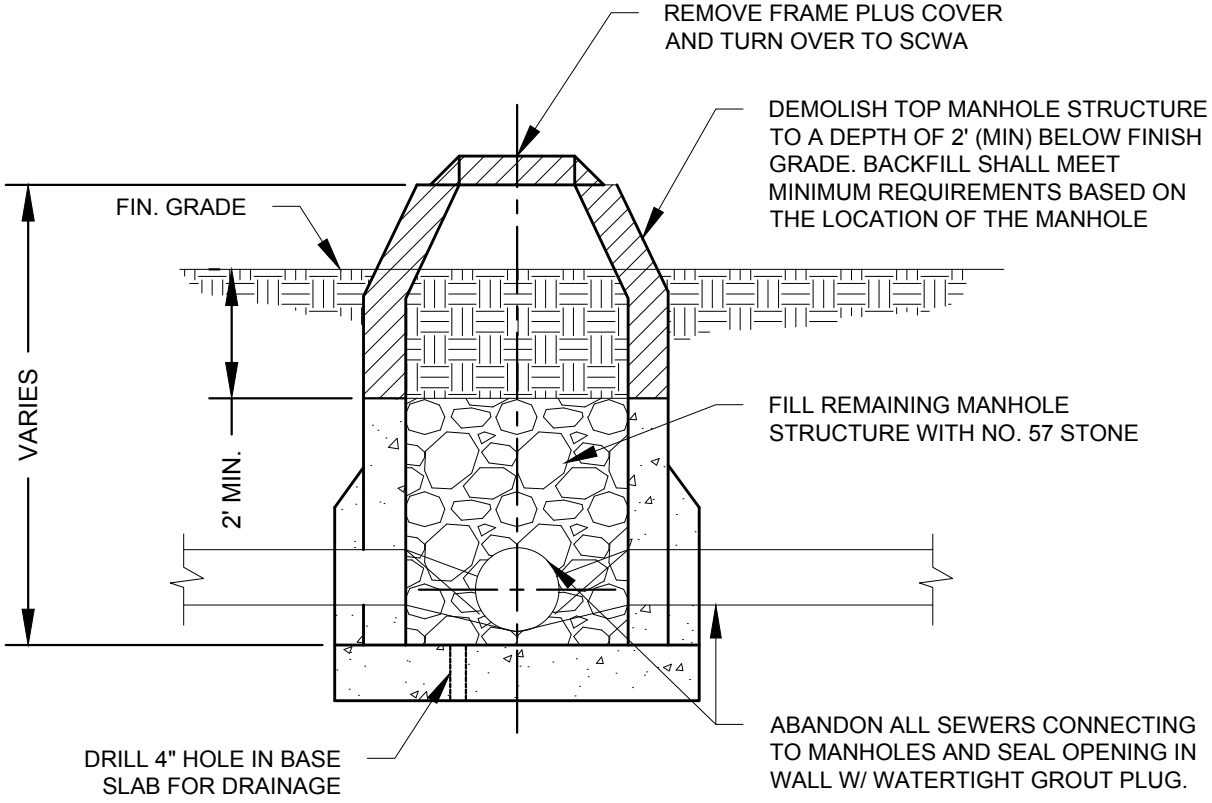
| | SPALDING COUNTY WATER AUTHORITY | SPEC. DATE: 2024 |
|---|---|---|
| spalding county SCWA water authority | # SANITARY SEWER SERVICE LINE AND CLEAN-OUT CONNECTION | REVISED: N/A |
| | | SCALE: N.T.S. |
| | | DETAIL NO. S15 |




NOTES:

1. AFTER INSTALLATION JOINTS SHALL BE GROUTED SMOOTH WITH CEMENT GROUT ON INSIDE AND OUT.
2. AN EXTERNAL WRAP SUCH AS INFI-SHIELD GATOR WRAP OR EQUAL SHALL SEAL EACH OUTSIDE JOINT.

| | | |
|---|---|---|
| spalding county SCWA water authority | SPALDING COUNTY WATER AUTHORITY | SPEC. DATE: 2024 |
| | MANHOLE JOINT DETAIL WITH JOINT WRAP | REVISED: N/A |
| | | SCALE: N.T.S. |
| | | DETAIL NO. S16 |




SPALDING COUNTY WATER AUTHORITY

SPEC. DATE: 2024

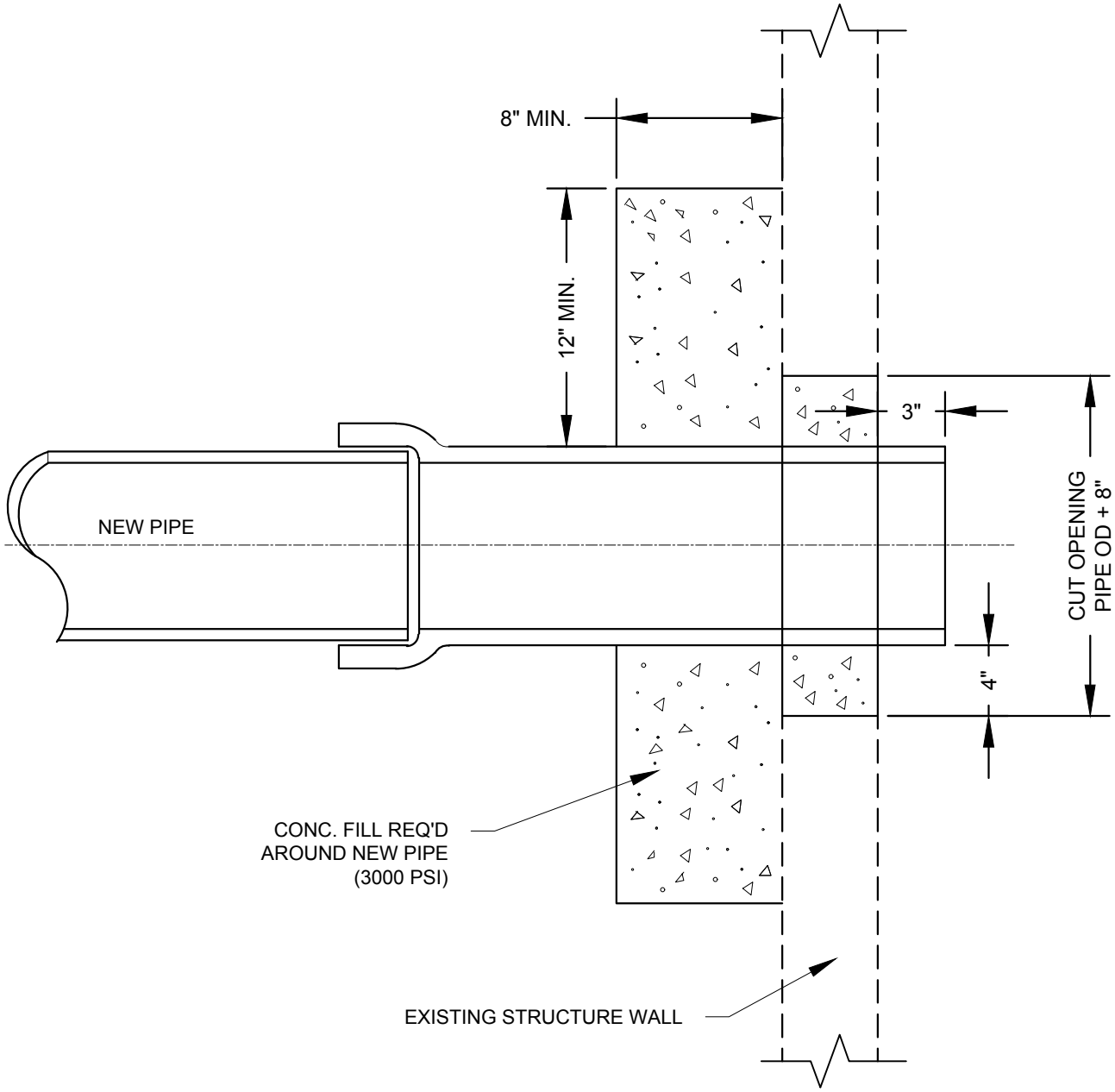
REVISED: N/A

SCALE: N.T.S.

# METHOD OF MANHOLE ABANDONMENT

DETAIL NO.

S17




SPALDING COUNTY WATER AUTHORITY

# NEW LINE CONNECTION TO AN EXISTING STRUCTURE

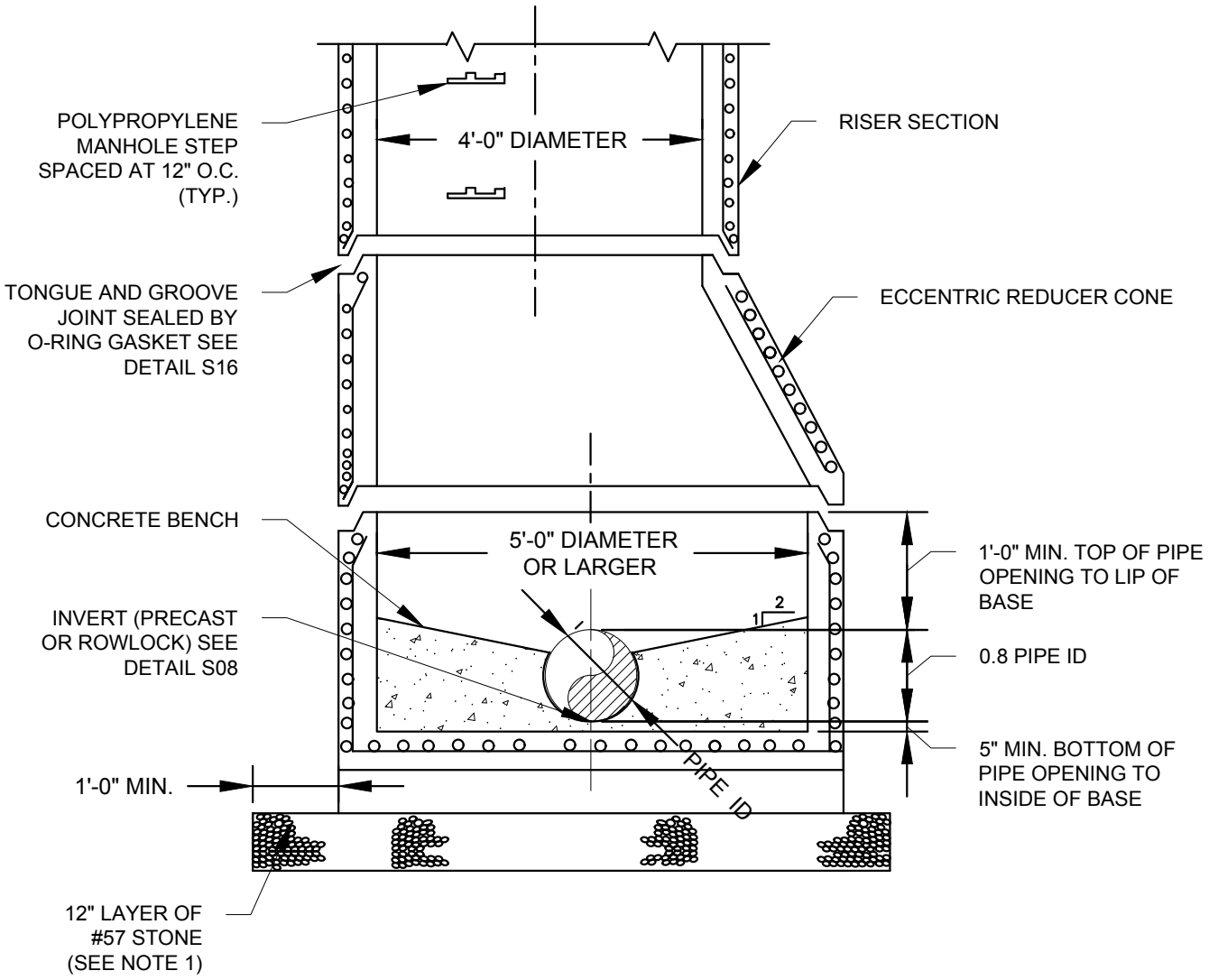
SPEC. DATE: 2024

REVISED: N/A

SCALE: N.T.S.

DETAIL NO.

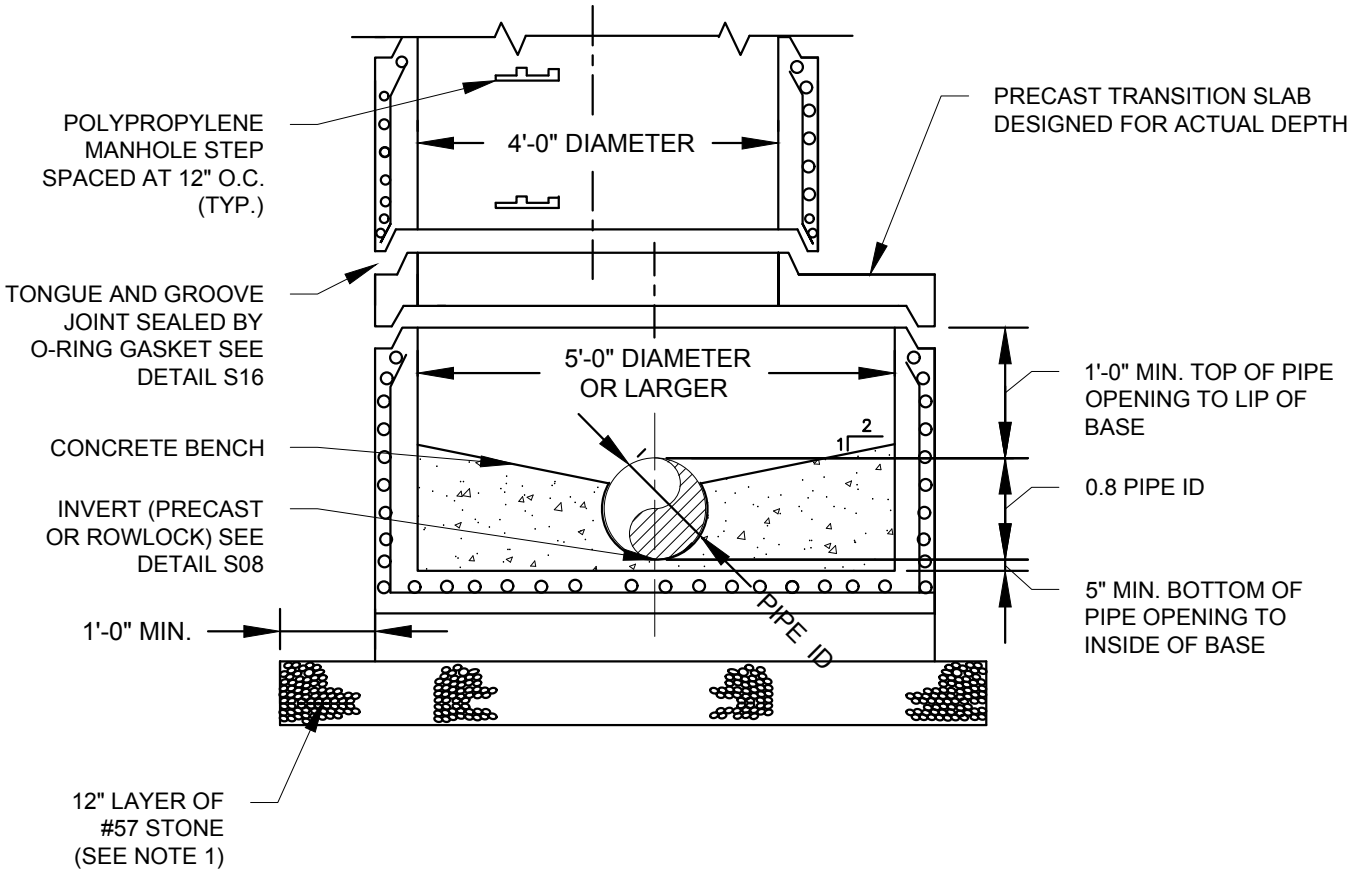
S18




NOTES:

1. IN DRIVEWAYS OR R/W COMPACT SUBGRADE TO 95% STANDARD PROCTOR / PROVIDE CONCRETE LEVELING PAD WHERE SOILS ARE POOR. IN YARDS, COMPACT SUBGRADE TO 90% STANDARD PROCTOR.

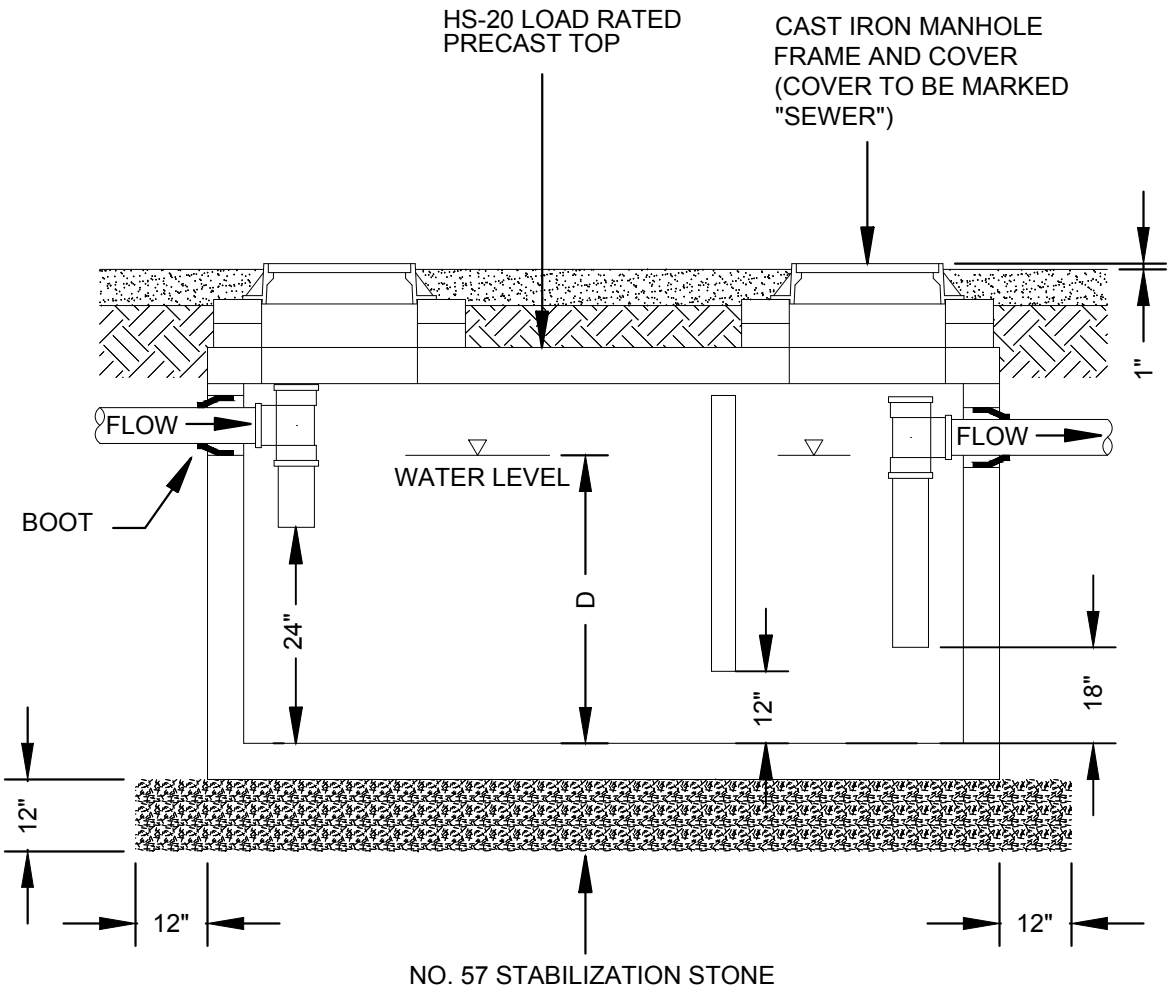
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|---|---|---|
| spalding county SCWA water authority | SPALDING COUNTY WATER AUTHORITY | SPEC. DATE: 2024 |
| | LARGE DIAMETER MANHOLE BASE (ECCENTRIC) DETAIL | REVISED: N/A |
| | | SCALE: N.T.S. |
| | | DETAIL NO. S19 |




NOTES:

1. IN DRIVEWAYS OR R/W COMPACT SUBGRADE TO 95% STANDARD PROCTOR / PROVIDE CONCRETE LEVELING PAD WHERE SOILS ARE POOR. IN YARDS, COMPACT SUBGRADE TO 90% STANDARD PROCTOR.

| | | |
|---|---|---|
| spalding county SCWA water authority | SPALDING COUNTY WATER AUTHORITY | SPEC. DATE: 2024 |
| | LARGE DIAMETER MANHOLE TRANSITION BASE DETAIL | REVISED: N/A |
| | | SCALE: N.T.S. |
| | | DETAIL NO. S20 |



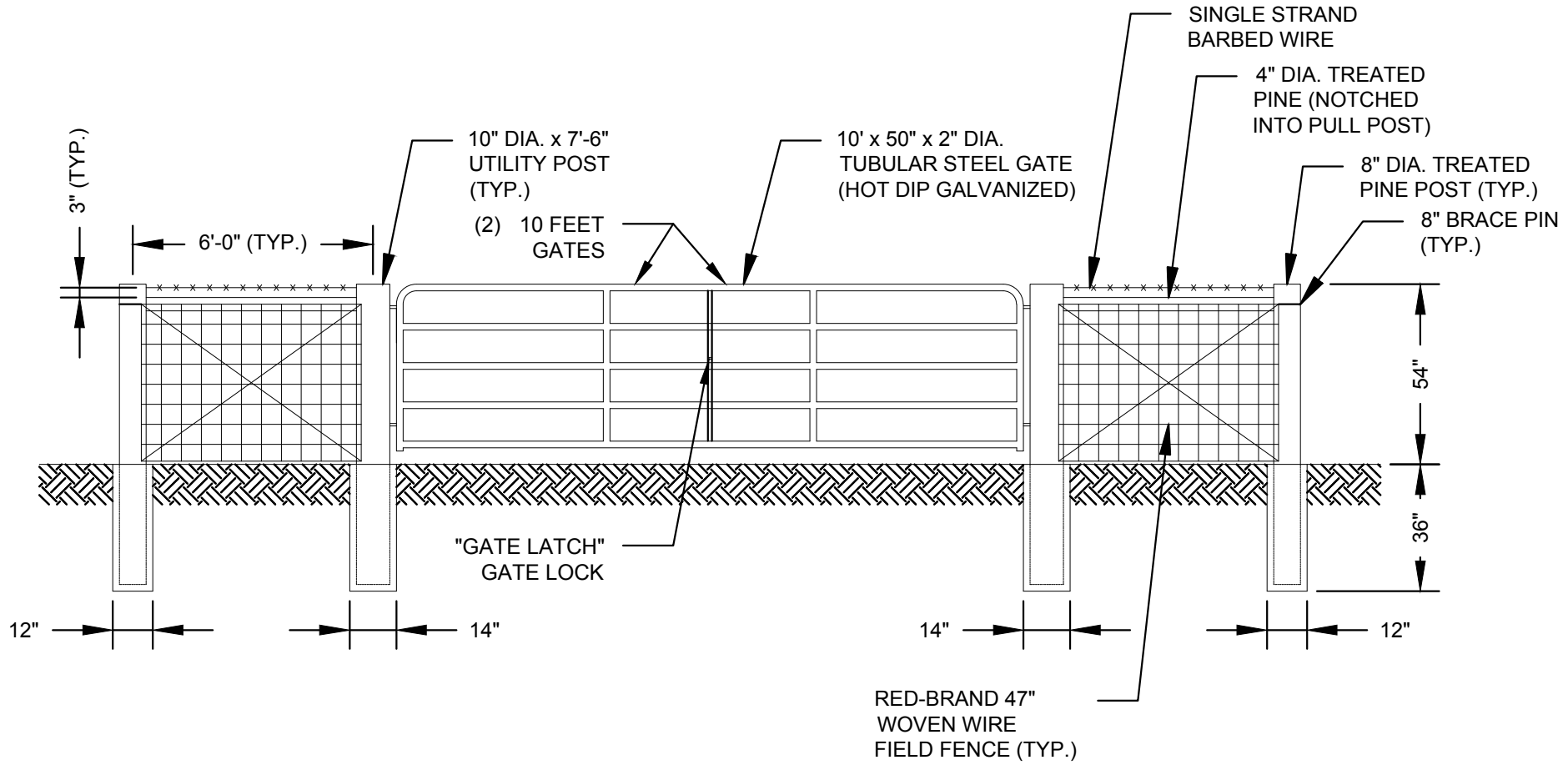

NOTES:

1. GREASE INTERCEPTOR SHALL HAVE A MINIMUM CAPACITY OF 1,500 GALLONS AND A MAXIMUM CAPACITY OF 3,000 GALLONS. IF REQUIRED CAPACITY IS GREATER THAN 3,000 GALLONS, MULTIPLE GREASE INTERCEPTORS SHALL BE USED.

2. CONCRETE DESIGN STRENGTH SHALL BE 4,000 PSI @ 28 DAYS.

3. GREASE INTERCEPTOR SHALL BE HS-20 LOAD RATED.

| | | |
|---|---|---|
| spalding county SCWA water authority | SPALDING COUNTY WATER AUTHORITY | SPEC. DATE: 2024 |
| | | REVISED: N/A |
| | | SCALE: N.T.S. |
| | GREASE INTERCEPTOR | DETAIL NO. S21 |




NOTES:

1. FENCE POSTS SHALL BE EMBEDDED IN CLASS "B" CONCRETE.
2. WOVEN WIRE FIELD FENCE SHALL BE ATTACHED TO FENCE POSTS WITH 1 ¼" GALVANIZED STAPLES.
3. ENSURE SCWA LOCK LOCATION DOES NOT GET LOCKED OUT BY OTHER LOCKS (I.E., PROPERTY OWNERS LOCK, ETC).

SPALDING COUNTY WATER AUTHORITY

# SEWER EASEMENT ACCESS GATE

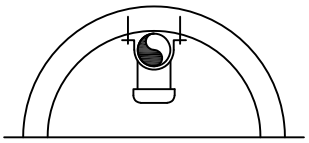
SPEC. DATE: 2024

REVISED: N/A

SCALE: N.T.S.

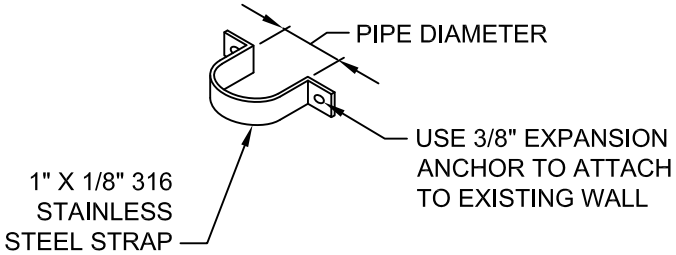
DETAIL NO.

S23

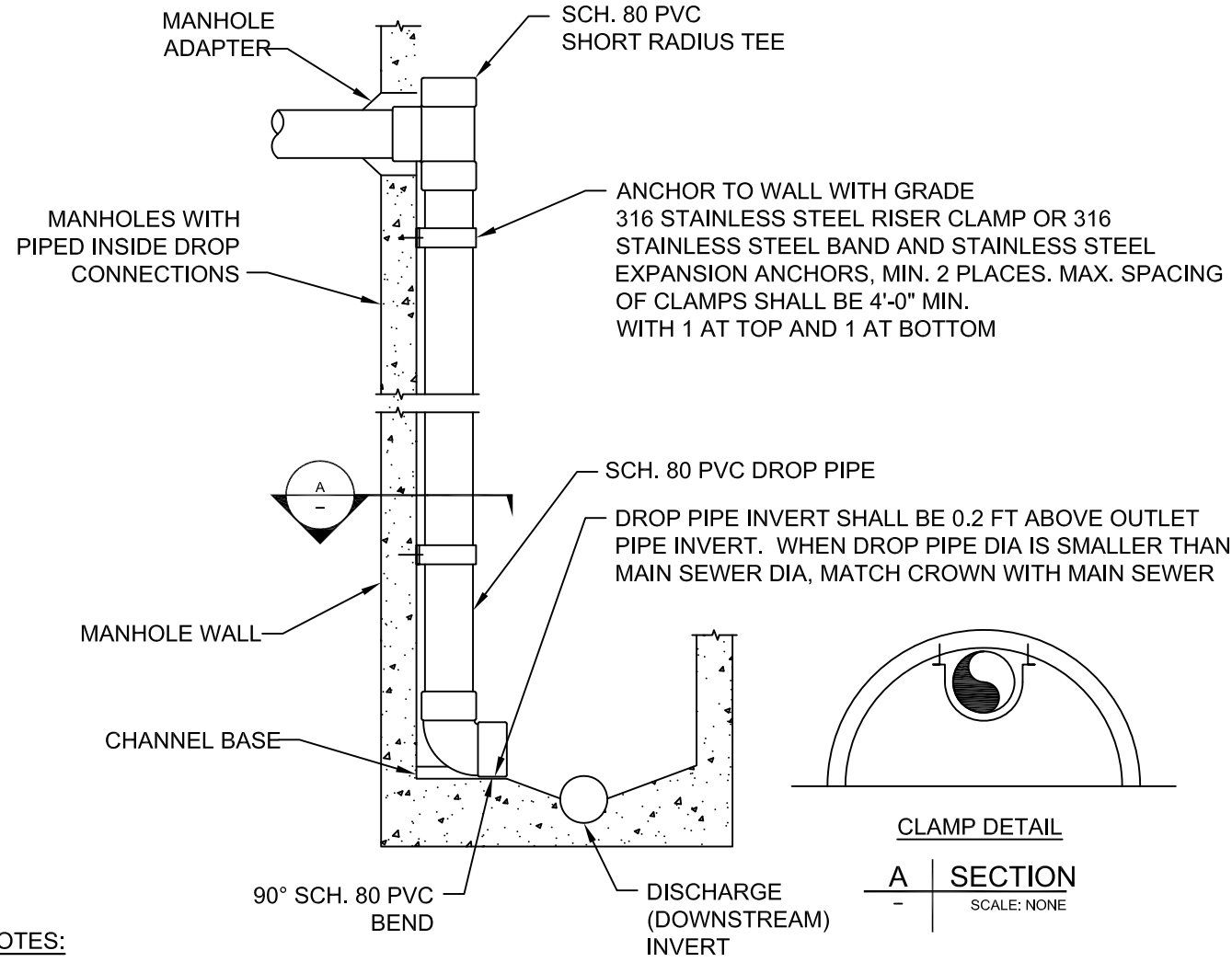


CLAMP DETAIL

A – SECTION
SCALE: NONE




STRAP DETAIL






CLAMP DETAIL

A – SECTION
SCALE: NONE

NOTES:

1. DROP CONNECTION SHALL BE PROVIDED WHERE SEWER ENTERS A MANHOLE AT AN ELEVATION 24 INCHES OR MORE ABOVE THE DISCHARGE (DOWNSTREAM) SEWER INVERT.
2. MINIMUM MANHOLE DIAMETER SHALL BE 5'-0" FOR A MANHOLE WITH A PIPED INSIDE DROP CONNECTION.
3. MANHOLE DIAMETER SHALL REMAIN CONSTANT THROUGHOUT THE DEPTH AND SHALL NOT BE REDUCED WITHOUT WRITTEN APPROVAL FROM SCWA.

SPALDING COUNTY WATER AUTHORITY

# PIPED INSIDE DROP CONNECTION FOR SEWER MANHOLE

SPEC. DATE: 2026

REVISED: NOV 2026

SCALE: N.T.S.

DETAIL NO.

S24