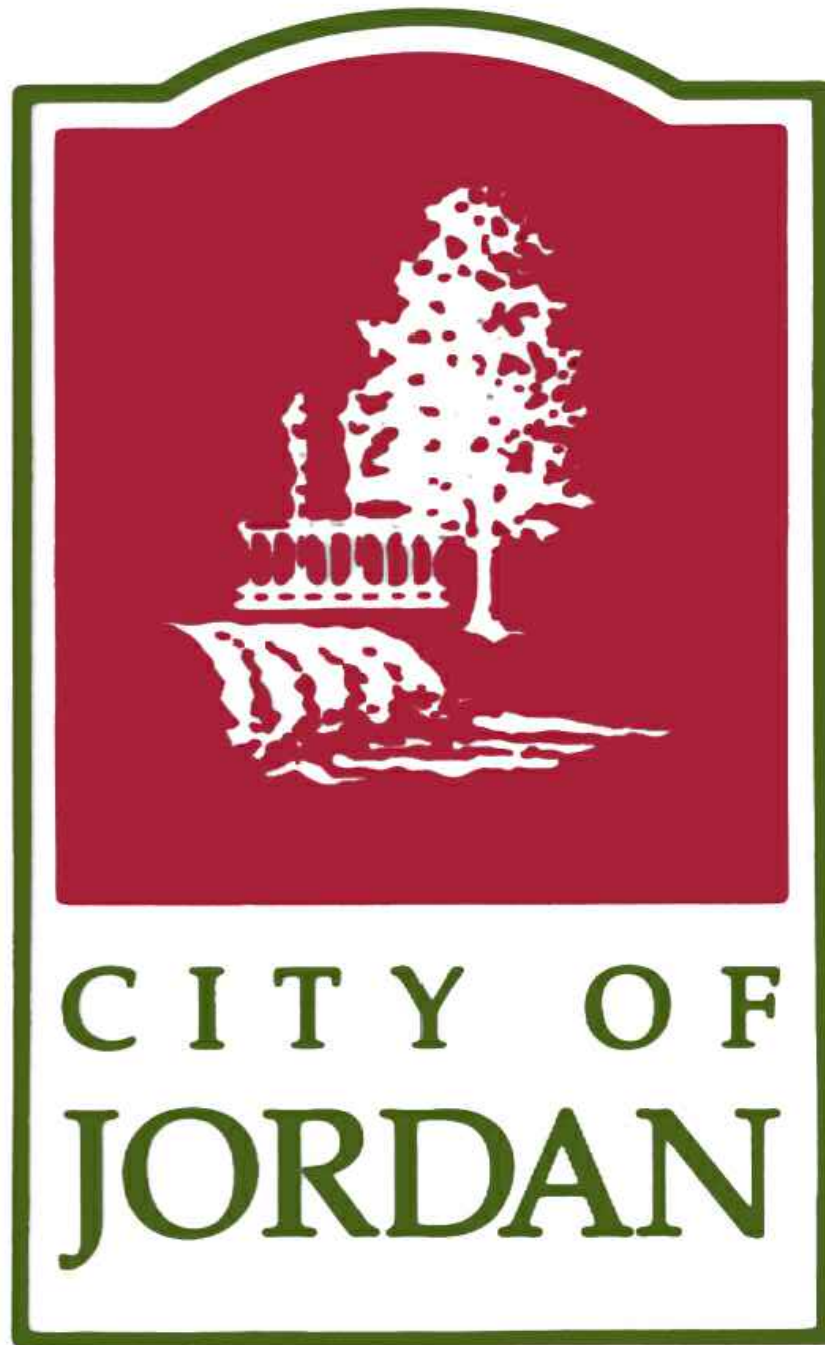




STANDARD DETAIL PLATES

PLATE NUMBER**DESCRIPTION****STREETS**

1000J	TYPICAL SECTION - LOCAL STREET
1001J	TYPICAL SECTION - MAJOR COLLECTOR
1002J	TYPICAL SECTION - MINOR COLLECTOR
1003J	CONCRETE DRIVEWAY PAVEMENT
1004J	BITUMINOUS TRAIL
1005J	BITUMINOUS STREET PATCH
1006J	CRACK SEALING

LIGHTING

2001J	DECORATIVE STREET LIGHT - ACORN
2002J	DECORATIVE STREET LIGHT-COLONIAL
2003J	DECORATIVE STREET LIGHT-SHOEBOX

EROSION

3001J	VELOCITY CHECK - HD SILT FENCE
3002J	SILT FENCE - MACHINE SLICED
3003J	SILT FENCE - HAVY DUTY
3004J	SILT FENCE - PREASSEMBLED
3005J	PERIMETER PROTECTION- FILTER LOG
3006J	ROCK CONSTRUCTION ENTRANCE
3007J	EROSION CONTROL BLANKET INSTALLTION
3008J	TYPICAL SEDIMENT BASIN CROSS SECTION
3009J	RIPRAP DITCH CHECK
3010J	INLET PROTECTED PERFORATED WALL
3011J	BIOROLL DITCH CHECK
3012J	INLET PROTECTION - GEOTEXTILE BAG
3013J	INLET PROTECTION - ROCK BAG
3014J	RISER STANDPIPE
3015J	FLOTATION SILT CURTAIN
3016J	ALTERNATIVE CULVERT STANDPIPE
3017J	RIPRAP AT RIVER OUTFALL
3018J	RCP END RIPRAP DETAIL
3019J	ARTICULATED BLOCK AT FLARED END
3020J	TYPICAL BENCH DETAIL

STORM

4001J	RC STORM SEWER CLASS C BEDDING
4002J	RC STORM SEWER CLASS B BEDDING
4003J	NON-RIGID STORM SEWER TRENCH
4004J	DRAINAGE STRUCTURE DESIGN J
4005J	ROADWAY EDGE DRAIN
4006J	POND SKIMMER STRUCTURE WITH RATE CONTROL BAFFLE
4007J	POND SKIMMER STRUCTURE
4008J	SUBSURFACE DRAIN CLEANOUT
4009J	DRAINAGE STRUCTURE DESIGN 4020
4010J	DRAINAGE STRUCTURE DESIGN 4022
4011J	DRAINAGE STRUCTURE DESIGN R-1 (2'X3')
4012J	RC APRON TRASH GUARD
4013J	CONCRETE CURB & GUTTER TRANSITION & CATCH BASIN LOCATION
4014J	DRAINAGE STRUCTURE DESIGN R-1 (2'X3')
4015J	DRAINAGE STRUCTURE WITH SUMP
4016J	RC APRON TRASH GUARD
4017J	CONCRETE CURB & GUTTER TRANSITION & CATCH BASIN LOCATION

PLATE NUMBER**DESCRIPTION****SANITARY**

5001J	SANITARY SEWER MANHOLE
5002J	SANITARY SEWER DROP MANHOLE
5003J	MANHOLE ANTI-BUOYANCY COLLAR
5004J	SANITARY SEWER SERVICE CLEANOUT
5005J	NON-RIGID SANITARY SEWER TRENCH
5006J	INSULATION FOR NON-RIGID SANITARY SEWER
5007J	ROCK EXCAVATION FOR SANITARY SEWER
5008J	SANITARY SEWER SERVICE
5009J	STRUCTURE MARKER SIGNS

WATER

6001J	HYDRANT INSTALLATION
6002J	WATERMAIN OFFSET
6003J	WATER VALVE MANHOLE
6004J	DUCTILE IRON WATERMAIN TRENCH
6005J	PVC WATERMAIN TRENCH
6006J	HYDRANT LOCATION
6007J	WATER SERVICE INSTALLATION
6008J	GATE VALVE AND BOX INSTALLATION
6009J	WATERMAIN INSULATION
6010J	GATE VALVE ADAPTOR
6011J	CONCRETE THRUST BLOCKS
6012J	WATERMAIN WET TAP
6013J	IRRIGATION SYSTEM TAP, METER AND BACKFLOW PREVENTOR ASSEMBLY
6014J	ADJUSTABLE VALVE EXTENSION STEM

STREETS

7001J	B618 CONCRETE CURB & GUTTER
7002J	B618 CURB & GUTTER (GUTTER OUT)
7003J	MOUNTABLE CONCRETE CURB & GUTTER
7004J	CONCRETE VALLEY GUTTER
7005J	TRANSITION TO B618 CURB AT CATCH BASIN
7006J	DRY CAST MODULAR BLOCK RETAINING WALL
7007J	BIG BLOCK MODULAR RETAINING WALL
7008J	CONTRACTION JOINT
7009J	DEPRESSED CURB WITH DRIVEWAY APRON
7010J	CONCRETE DRAINAGE PAN

SIGNS

8001J	TYPICAL BARRICADE
8002J	STREET SIGN
8003J	WETLAND BUFFER SIGN
8004J	FUTURE THROUGH STREET SIGN
8005J	HANDICAP PARKING STRIPING
8006J	DISABLED PARKING SIGN

MISC.

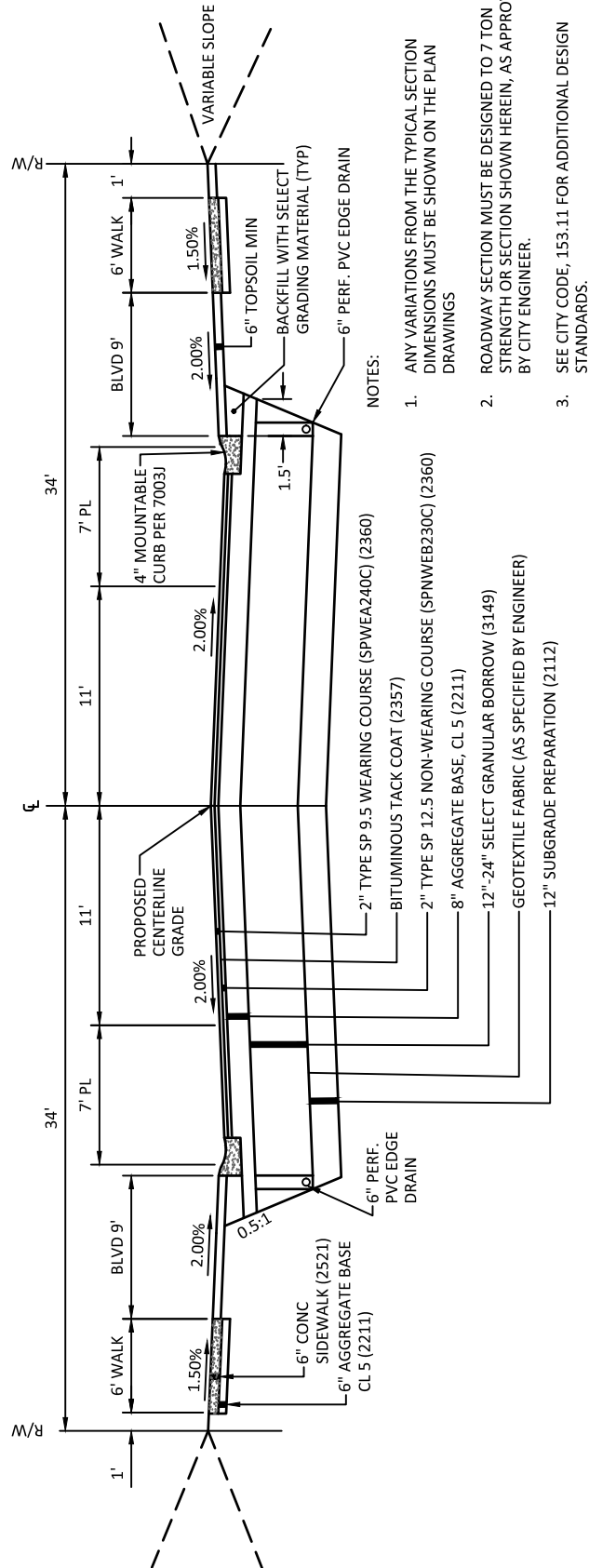
9001J	TREE PRESERVATION FENCE
9002J	MAILBOX INSTALLATION
9003J	TYPICAL LOCATION OF PUBLIC UTILITIES
9004J	CHAIN LINK FENCE
9005J	WOOD PRIVACY FENCE
9006J	DECIDUOUS TREE PLANTING
9007J	CONIFEROUS TREE PLANTING



STANDARD DETAIL
TYPICAL SECTION - LOCAL STREET
CITY OF JORDAN

STANDARD DETAIL
NO. 1000J
DATE MARCH 2025

TYPICAL SECTION
LOCAL STREET

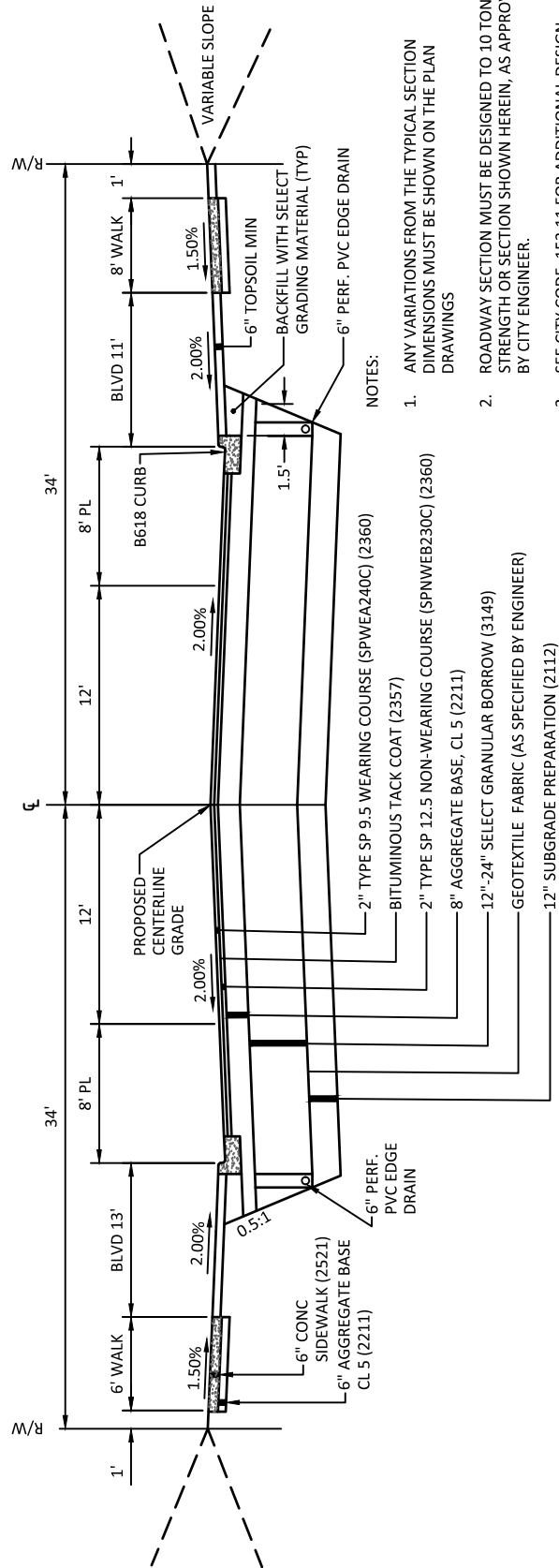




STANDARD DETAIL
TYPICAL SECTION - MINOR COLLECTOR
CITY OF JORDAN

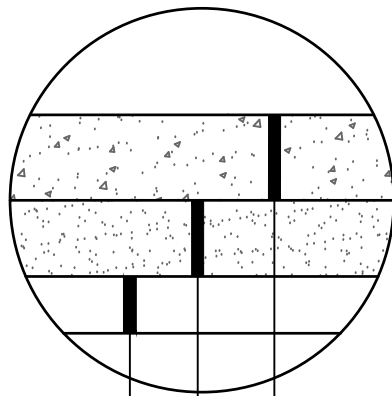
STANDARD DETAIL
NO. 1002J
DATE MARCH 2025

TYPICAL SECTION
MINOR COLLECTOR
WITH PARKING



NOTES:

1. ANY VARIATIONS FROM THE TYPICAL SECTION DIMENSIONS MUST BE SHOWN ON THE PLAN DRAWINGS
2. ROADWAY SECTION MUST BE DESIGNED TO 10 TON STRENGTH OR SECTION SHOWN HEREIN, AS APPROVED BY CITY ENGINEER.
3. SEE CITY CODE, 153.11 FOR ADDITIONAL DESIGN STANDARDS.



6" CONCRETE DRIVEWAY PAVEMENT (2531)

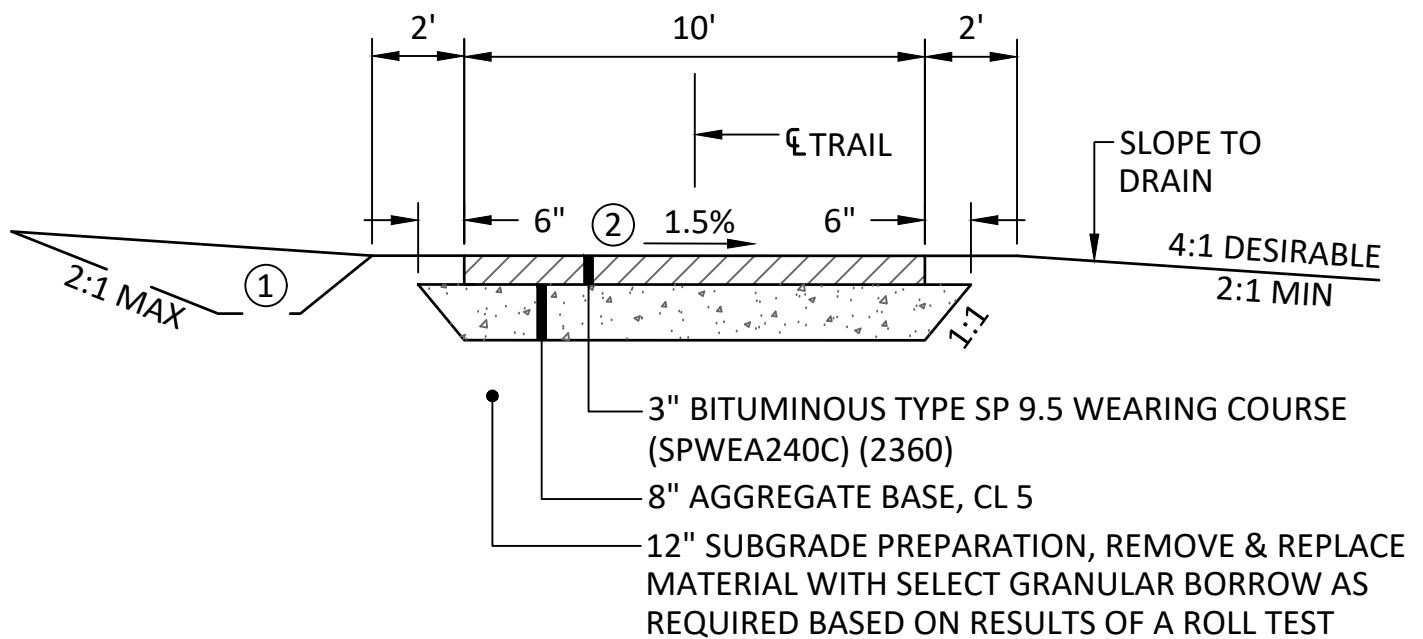
6" AGGREGATE BASE, CL 5 (2211)

SUBGRADE PREPARATION (2112)



STANDARD DETAIL
CONCRETE DRIVEWAY PAVEMENT
CITY OF JORDAN

STANDARD DETAIL
 NO. 1003J
 DATE MARCH 2025



- ① DITCH IF REQUIRED FOR DRAINAGE
- ② SLOPE TOWARDS INSIDE OF CURVE



STANDARD DETAIL

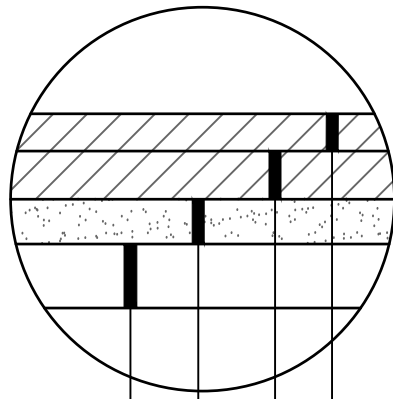
BITUMINOUS TRAIL

CITY OF JORDAN

STANDARD DETAIL

NO. 1004J

DATE MARCH 2025



- 2" TYPE SP 12.5 WEARING COURSE (SPWEB240C) (2360)
- 2" TYPE SP 12.5 WEARING COURSE (SPNWEB240C) (2360)
- 12" AGGREGATE BASE, CL 5 (2211)
- SUBGRADE PREPARATION (2112)

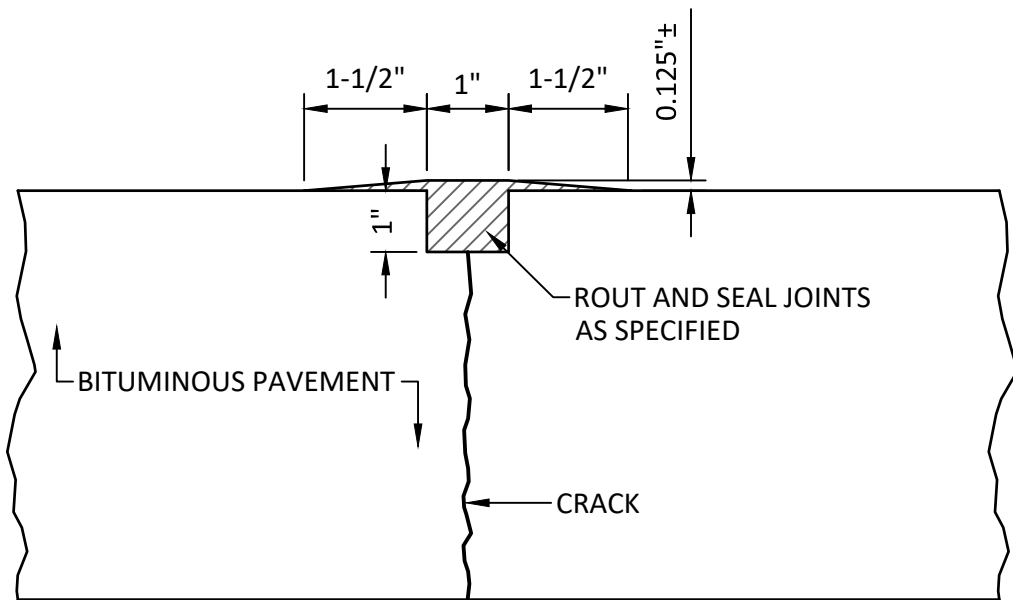
NOTE:

SAW CUT ALL ADJACENT PAVEMENT EDGES AND APPLY TACK MATERIAL TO ALL EDGES. DEPTHS SHOWN ARE MINIMUM. MATCH EXISTING PAVEMENT AND AGGREGATE BASE DEPTHS. PREPARE SUBGRADE TO APPROVAL OF THE CITY.



STANDARD DETAIL
BITUMINOUS STREET PATCH
CITY OF JORDAN

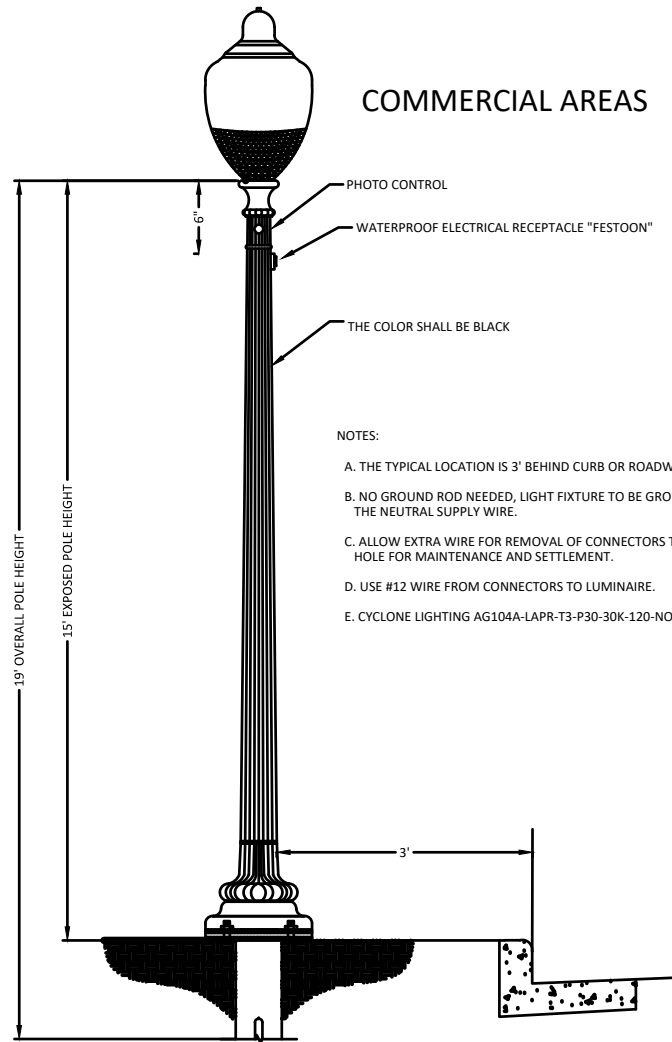
STANDARD DETAIL
 NO. 1005J
 DATE MARCH 2025



STANDARD DETAIL
CRACK SEALING
CITY OF JORDAN

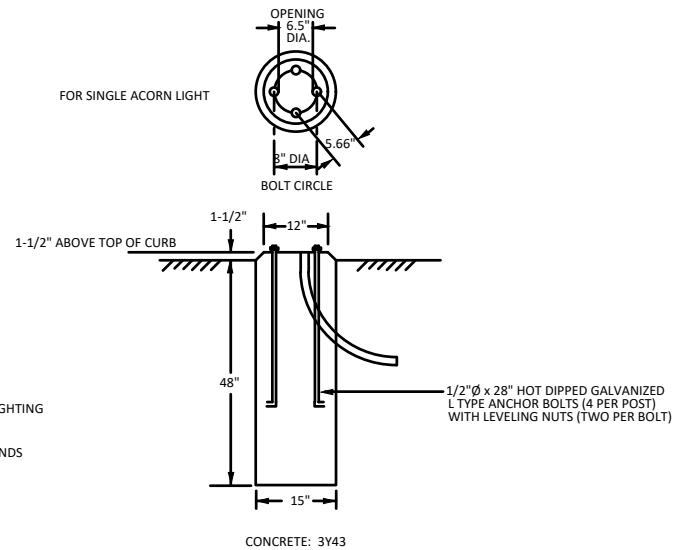
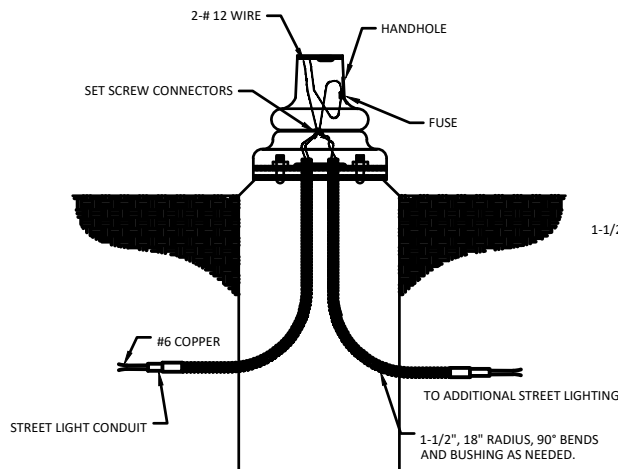
STANDARD DETAIL
 NO. 1006J
 DATE MARCH 2025

COMMERCIAL AREAS



NOTES:

- A. THE TYPICAL LOCATION IS 3' BEHIND CURB OR ROADWAY.
- B. NO GROUND ROD NEEDED, LIGHT FIXTURE TO BE GROUNDED TO THE NEUTRAL SUPPLY WIRE.
- C. ALLOW EXTRA WIRE FOR REMOVAL OF CONNECTORS THROUGH HAND HOLE FOR MAINTENANCE AND SETTLEMENT.
- D. USE #12 WIRE FROM CONNECTORS TO LUMINAIRE.
- E. CYCLONE LIGHTING AG104A-LAPR-T3-P30-30K-120-NONE-PT-BK-TX, OR APPROVED EQUAL

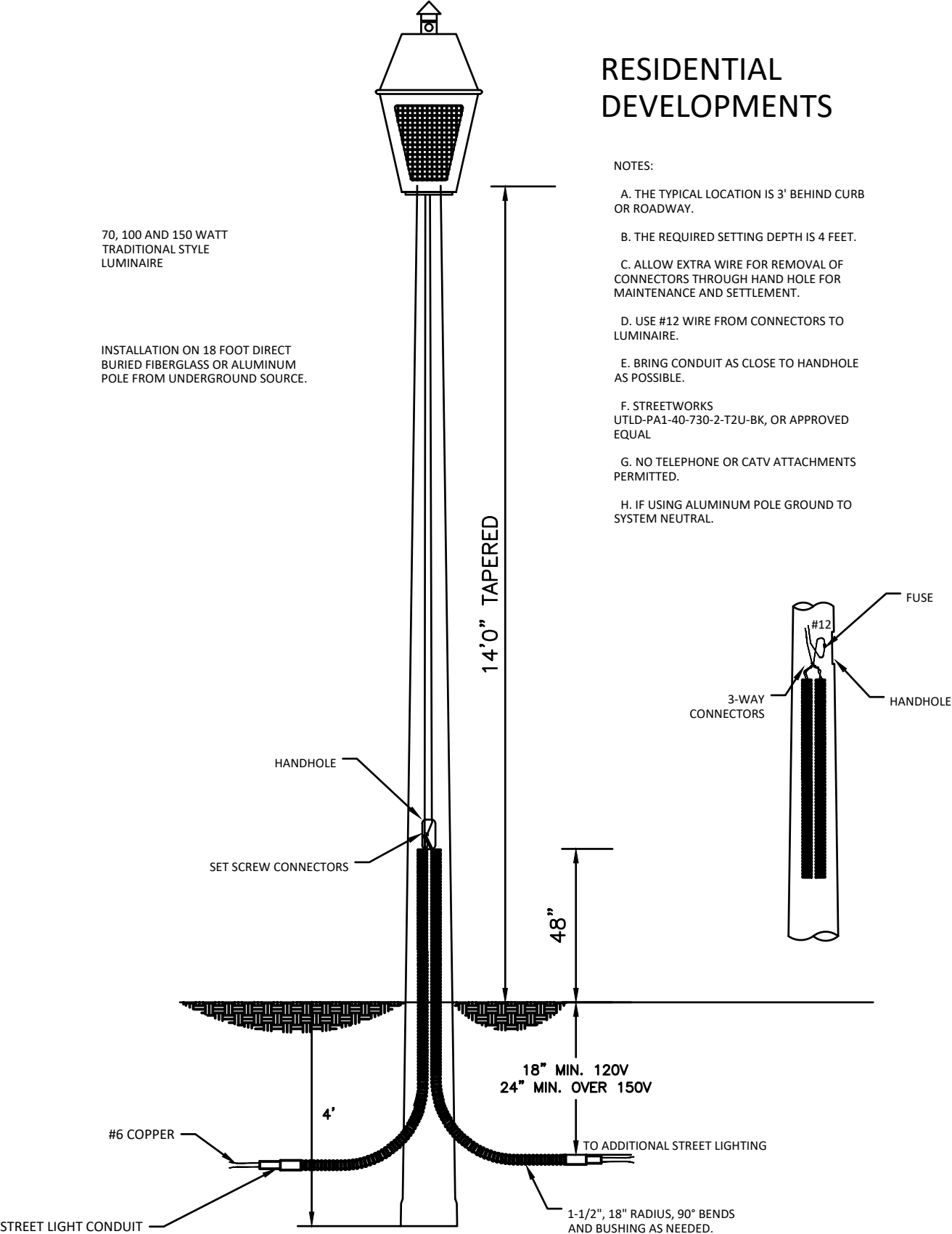


STANDARD DETAIL DECORATIVE STREET LIGHT - ACORN CITY OF JORDAN

STANDARD DETAIL
NO. 2001J
DATE MARCH 2025

RESIDENTIAL DEVELOPMENTS

- NOTES:
- A. THE TYPICAL LOCATION IS 3' BEHIND CURB OR ROADWAY.
 - B. THE REQUIRED SETTING DEPTH IS 4 FEET.
 - C. ALLOW EXTRA WIRE FOR REMOVAL OF CONNECTORS THROUGH HAND HOLE FOR MAINTENANCE AND SETTLEMENT.
 - D. USE #12 WIRE FROM CONNECTORS TO LUMINAIRE.
 - E. BRING CONDUIT AS CLOSE TO HANDHOLE AS POSSIBLE.
 - F. STREETWORKS
UTLD-PA1-40-730-2-T2U-BK, OR APPROVED EQUAL
 - G. NO TELEPHONE OR CATV ATTACHMENTS PERMITTED.
 - H. IF USING ALUMINUM POLE GROUND TO SYSTEM NEUTRAL.



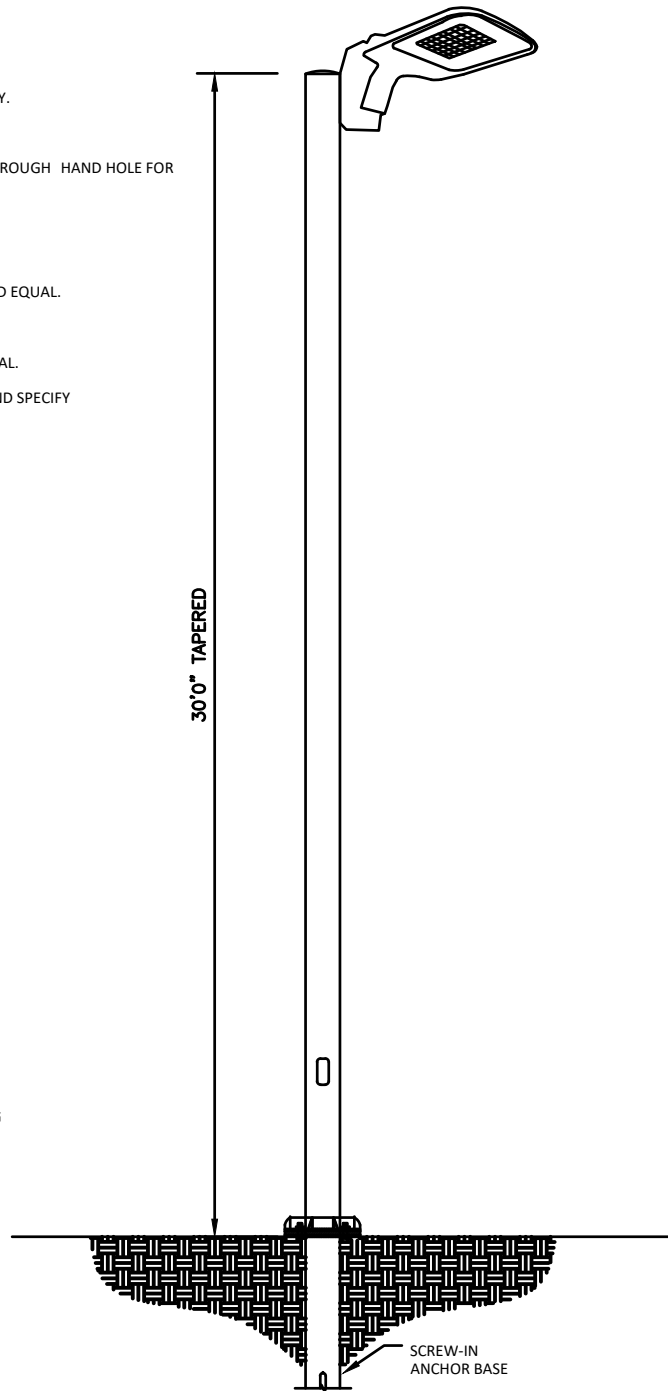
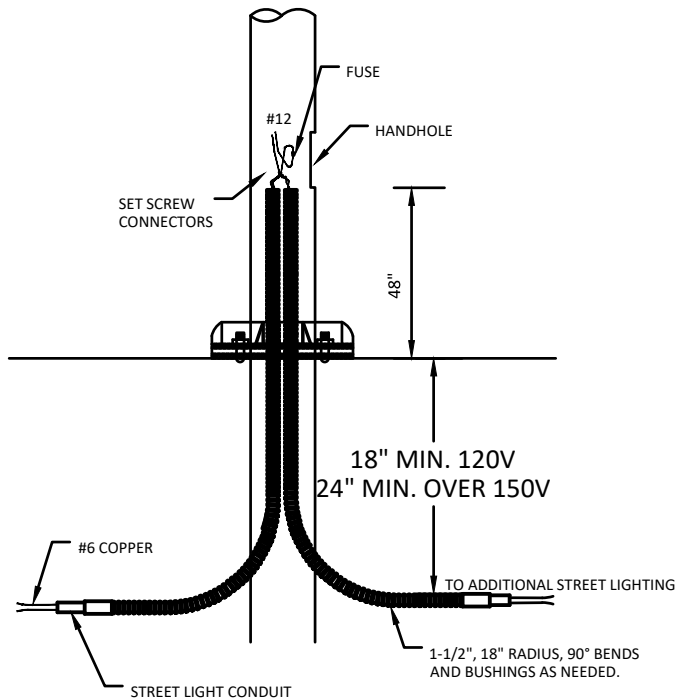
STANDARD DETAIL
DECORATIVE STREET LIGHT-COLONIAL
CITY OF JORDAN

STANDARD DETAIL
NO. 2002J
DATE MARCH 2025

COLLECTOR ROADWAYS

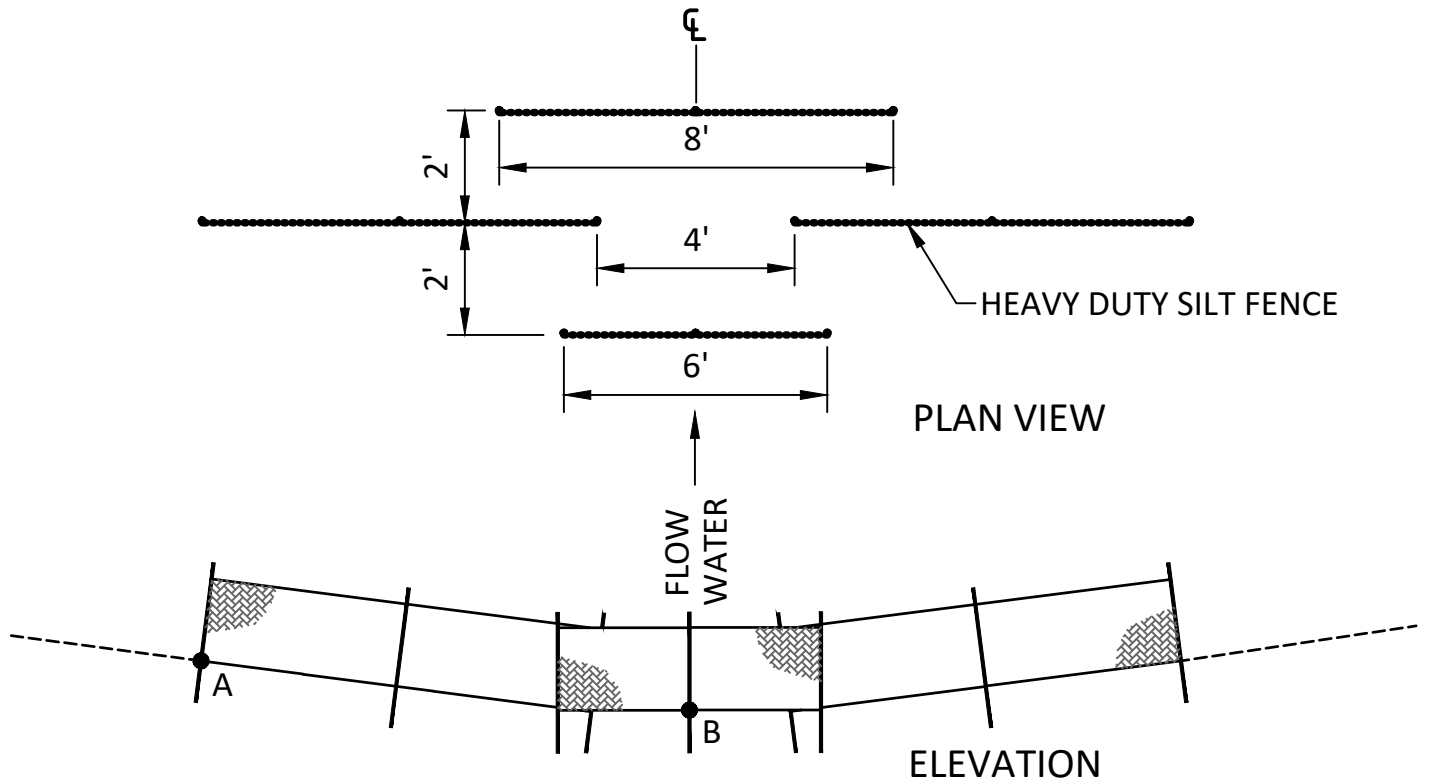
NOTES:

- A. THE TYPICAL LOCATION IS 3' BEHIND CURB OR ROADWAY.
- B. THE REQUIRED SETTING DEPTH IS 4 FEET.
- C. ALLOW EXTRA WIRE FOR REMOVAL OF CONNECTORS THROUGH HAND HOLE FOR MAINTENANCE AND SETTLEMENT.
- D. USE #12 WIRE FROM CONNECTORS TO LUMINAIRE.
- E. BRING CONDUIT AS CLOSE TO HANDHOLD AS POSSIBLE.
- F. LEOTEK AR13-48N-MV-WW-2-BK-100-PCR, OR APPROVED EQUAL.
- G. NO TELEPHONE OR CATV ATTACHMENTS PERMITTED.
- H. IF USING ALUMINUM POLE GROUND TO SYSTEM NEUTRAL.
- I. IF MOUNTING TWO FIXTURES, MOUNT BACK TO BACK AND SPECIFY SPECIAL LONGER FULLY THREADED MOUNTING RODS.



STANDARD DETAIL
DECORATIVE STREET LIGHT-SHOEBOX
CITY OF JORDAN

STANDARD DETAIL
NO. 2003J
DATE MARCH 2025



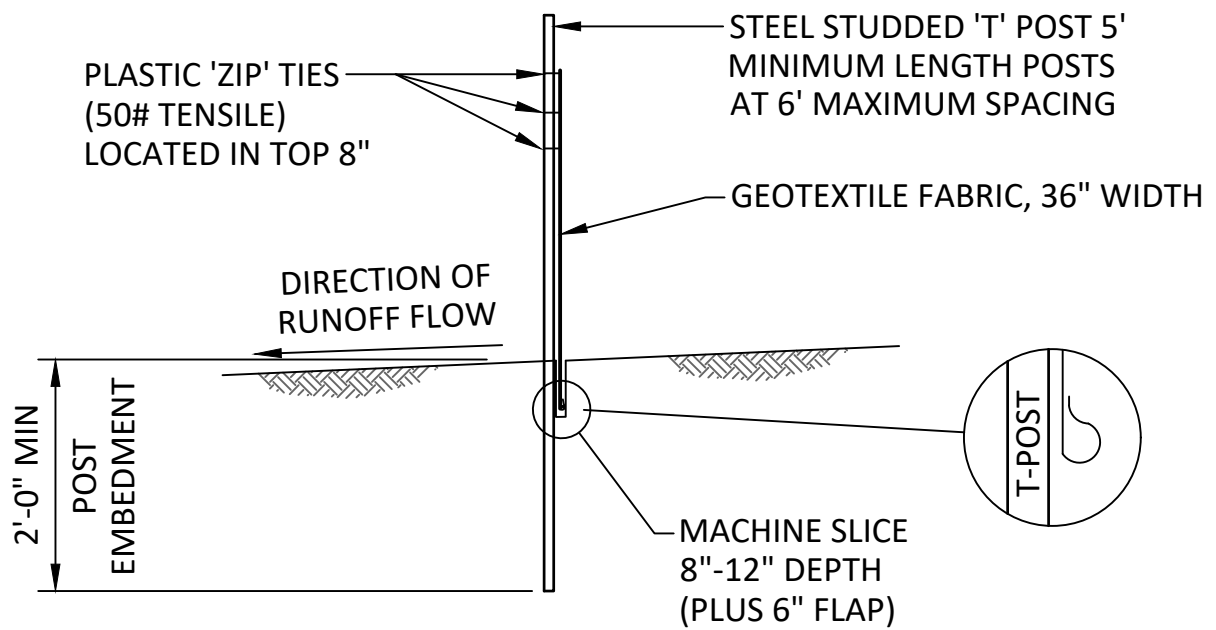
NOTES:

1. POINT A MUST BE A MIN OF 12 INCHES HIGHER THAN POINT B
2. HEAVY DUTY SILT FENCE SHALL CONFORM TO THE REQUIREMENTS OF MnDOT SPECIFICATION 3886
3. DIMENSIONS SHOWN ARE FOR TYPICAL 8' DITCH BOTTOM, MODIFICATIONS MAY BE NECESSARY FOR VARYING SLOPES AND DITCH WIDTHS
4. REFER TO PLAN OR MnDOT EROSION CONTROL MANUAL FOR SPACING INTERVALS OF CHECKS



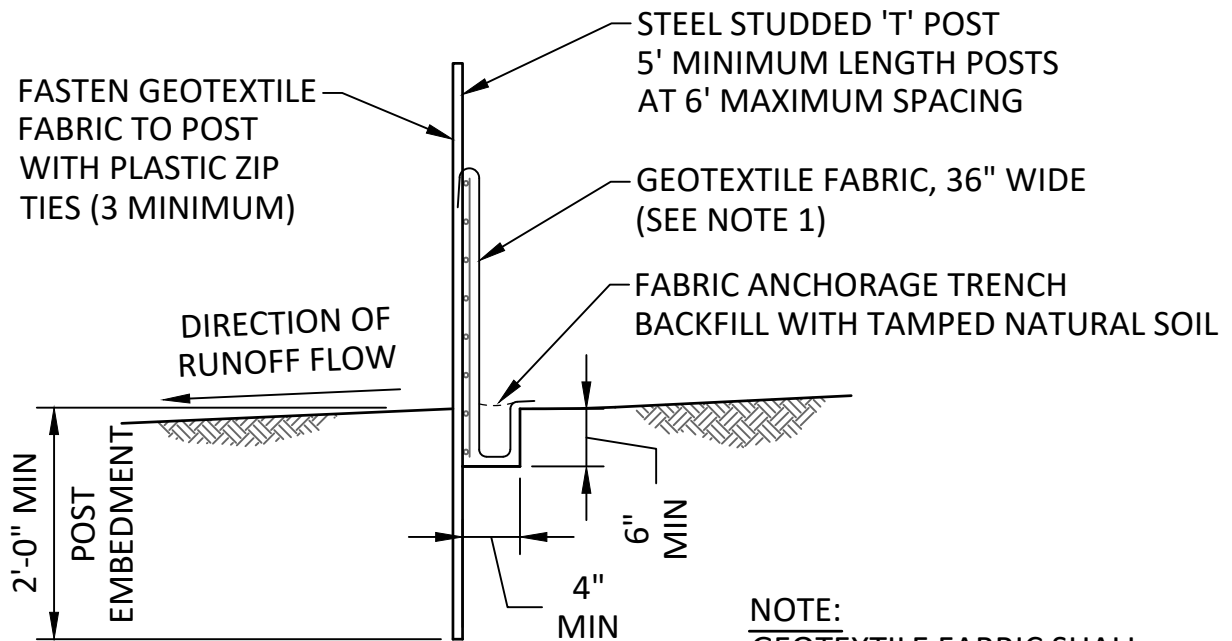
STANDARD DETAIL
VELOCITY CHECK - HD SILT FENCE
CITY OF JORDAN

STANDARD DETAIL
 NO. 3001J
 DATE MARCH 2025



STANDARD DETAIL
SILT FENCE - MACHINE SLICED
CITY OF JORDAN

STANDARD DETAIL
 NO. 3002J
 DATE MARCH 2025

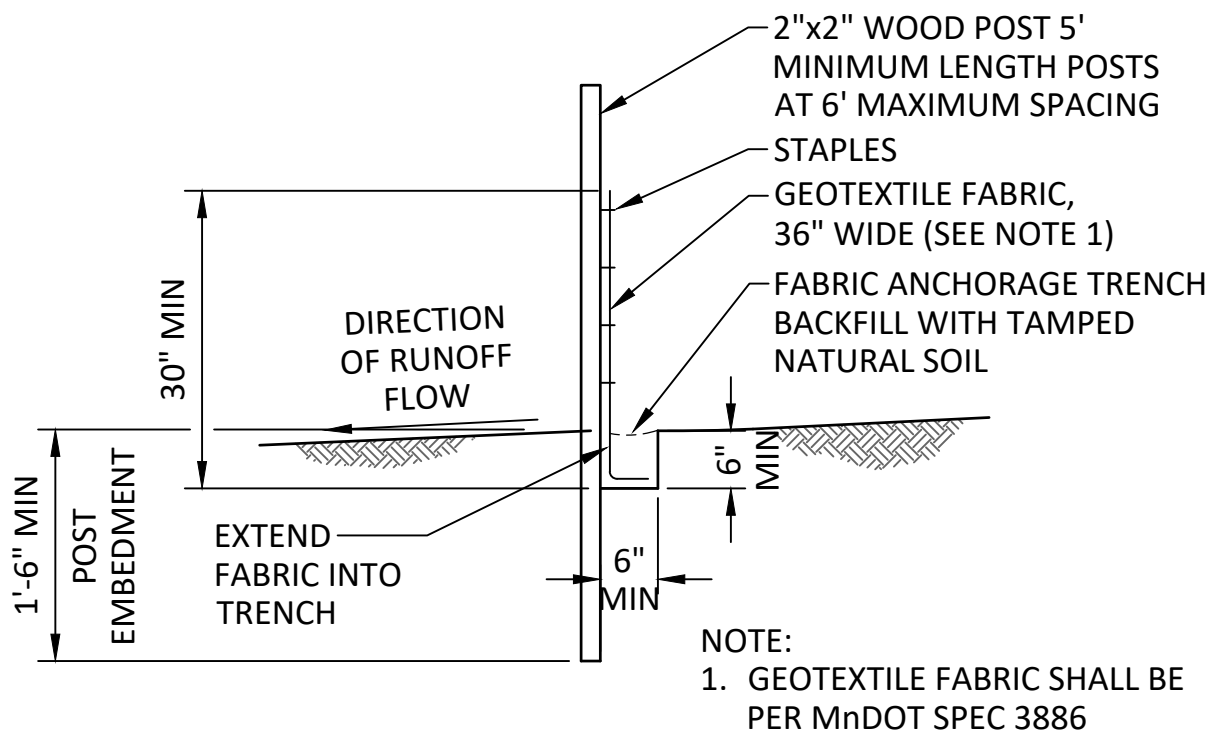


NOTE:
 GEOTEXTILE FABRIC SHALL
 BE PER MnDOT SPEC 3886



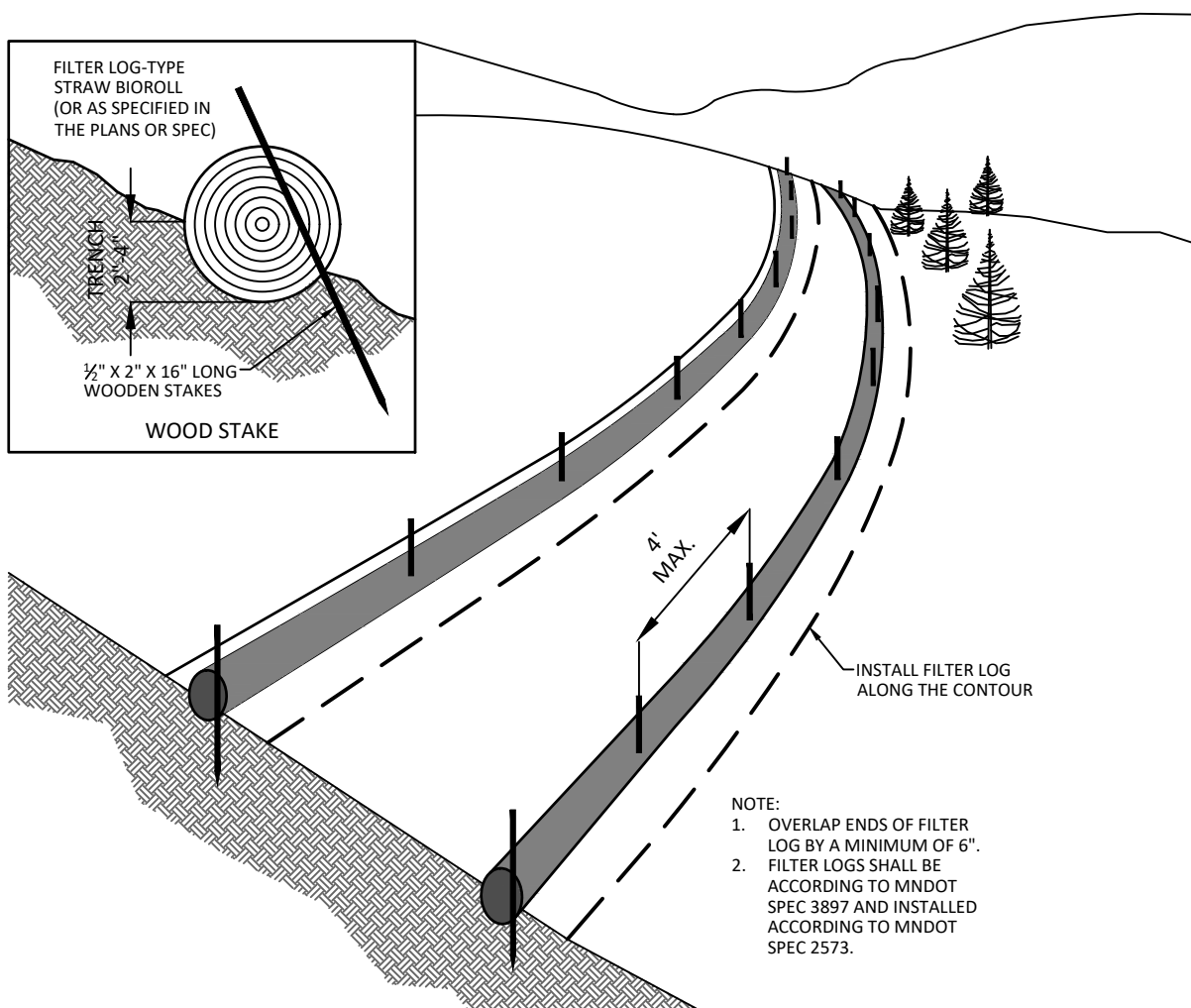
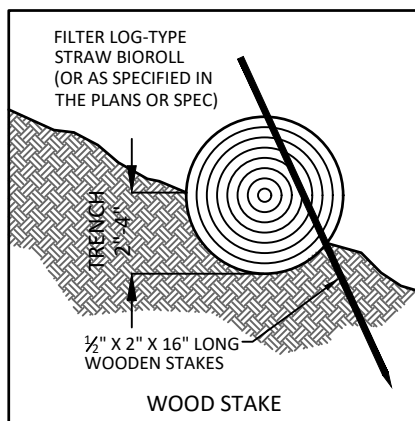
STANDARD DETAIL
 SILT FENCE - HEAVY DUTY
 CITY OF JORDAN

STANDARD DETAIL
 NO. 3003J
 DATE MARCH 2025



STANDARD DETAIL
SILT FENCE - PREASSEMBLED
CITY OF JORDAN

STANDARD DETAIL
NO. 3004J
DATE MARCH 2025

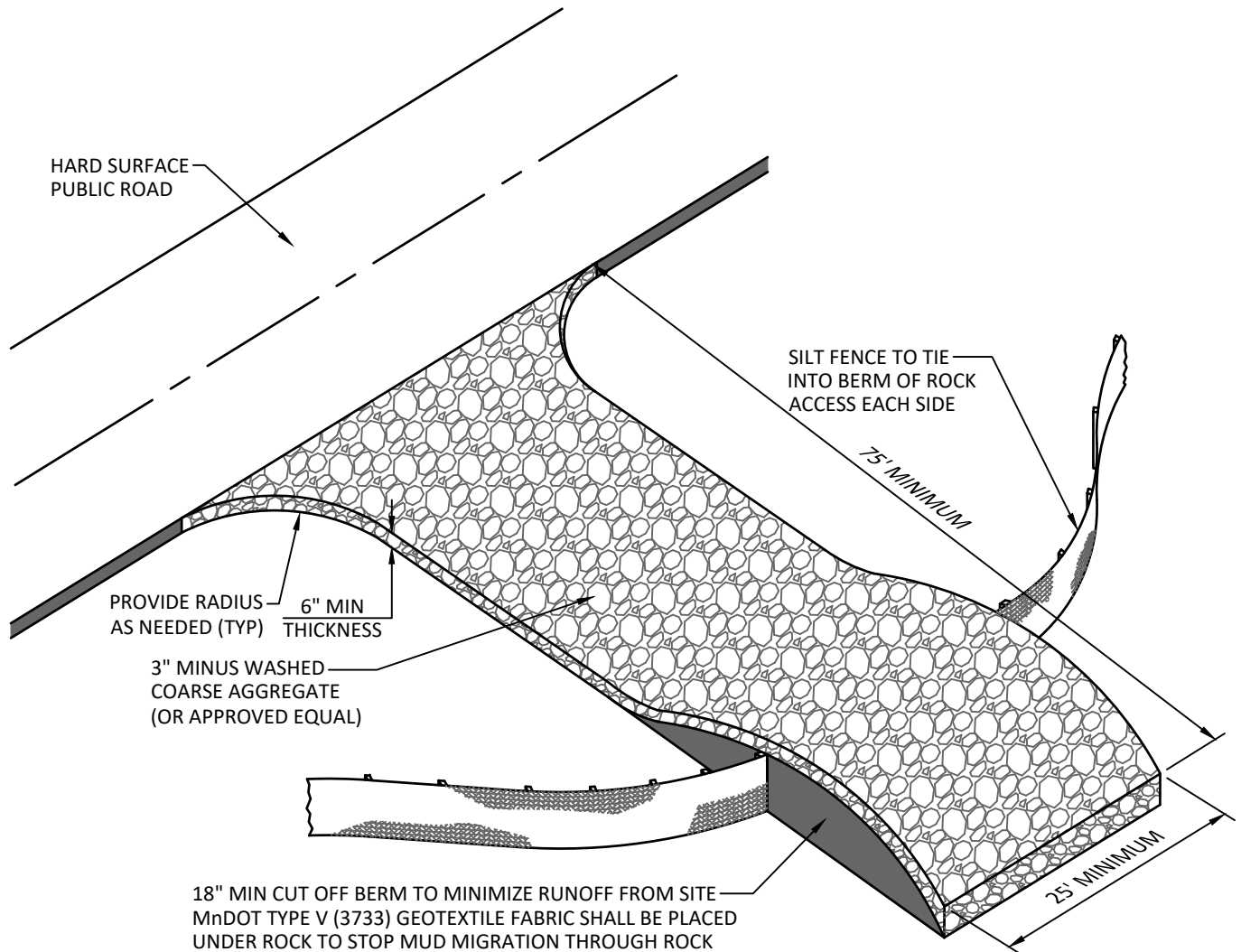


- NOTE:
1. OVERLAP ENDS OF FILTER LOG BY A MINIMUM OF 6".
 2. FILTER LOGS SHALL BE ACCORDING TO MNDOT SPEC 3897 AND INSTALLED ACCORDING TO MNDOT SPEC 2573.



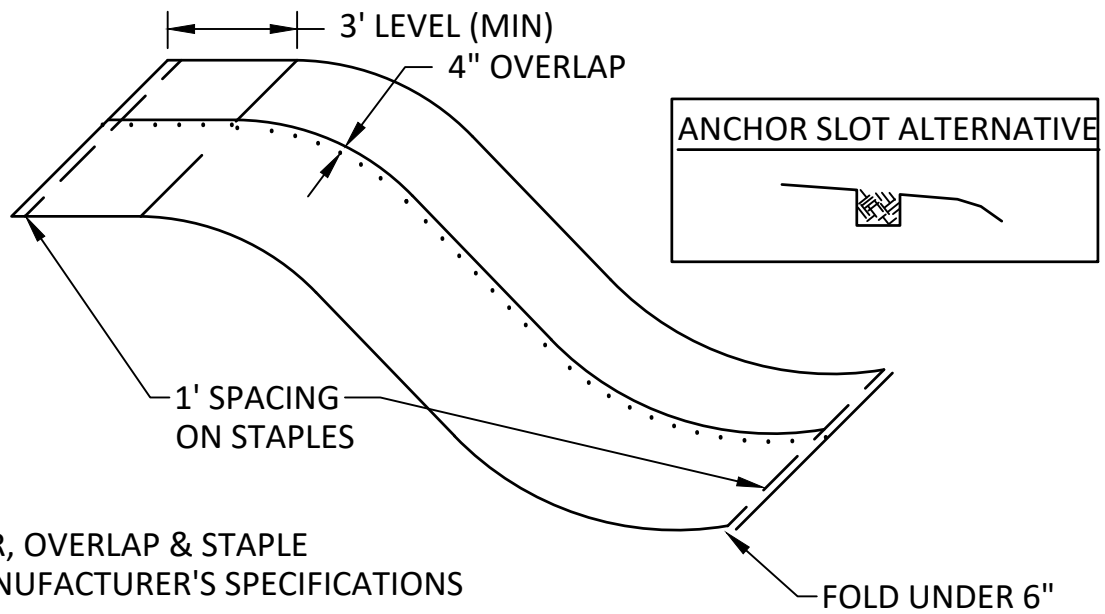
STANDARD DETAIL
PERIMETER PROTECTION- FILTER LOG
CITY OF JORDAN

STANDARD DETAIL
NO. 3005J
DATE MARCH 2025



STANDARD DETAIL
ROCK CONSTRUCTION ENTRANCE
CITY OF JORDAN

STANDARD DETAIL
NO. 3006J
DATE MARCH 2025



STANDARD DETAIL

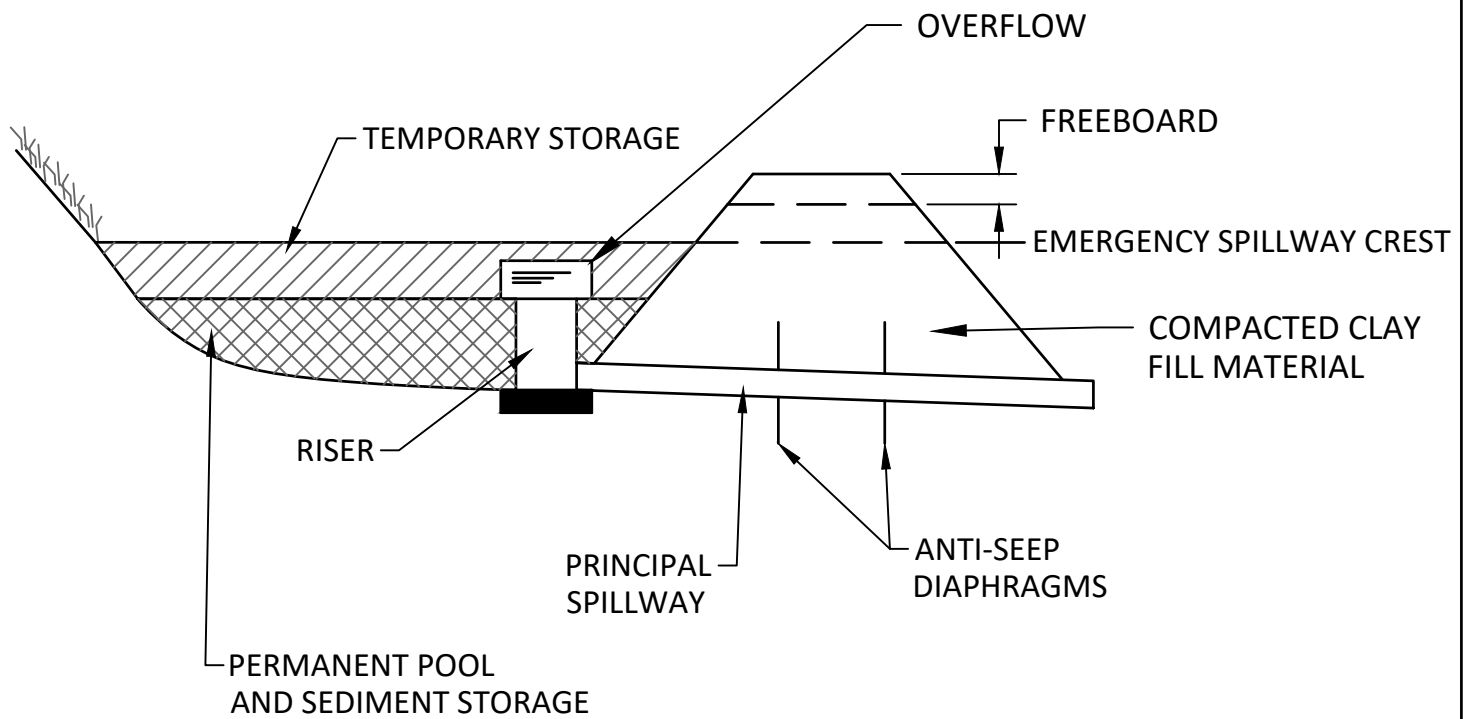
EROSION CONTROL BLANKET INSTALLTION

CITY OF JORDAN

STANDARD DETAIL

NO. 3007J

DATE MARCH 2025



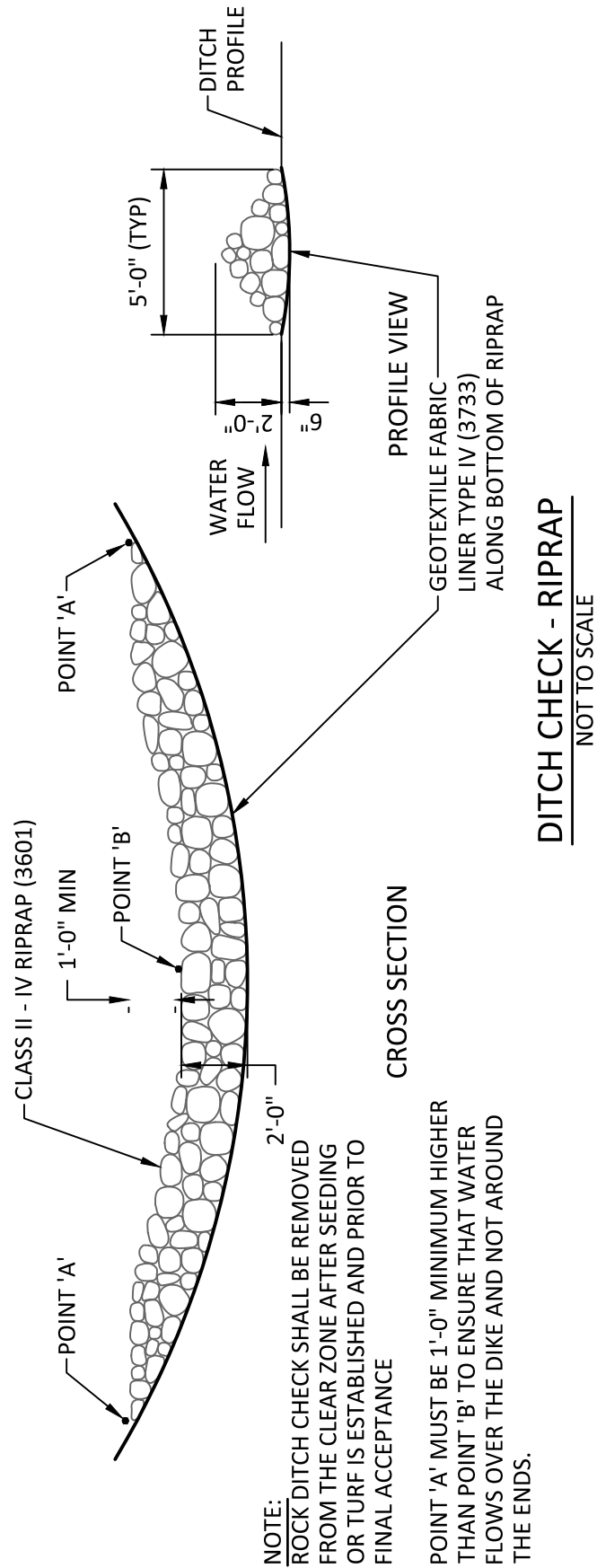
STANDARD DETAIL
 TYPICAL SEDIMENT BASIN CROSS SECTION
 CITY OF JORDAN

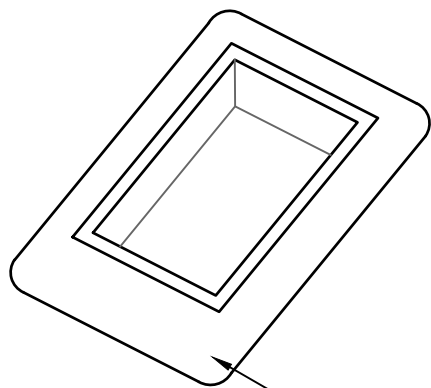
STANDARD DETAIL
 NO. 3008J
 DATE MARCH 2025



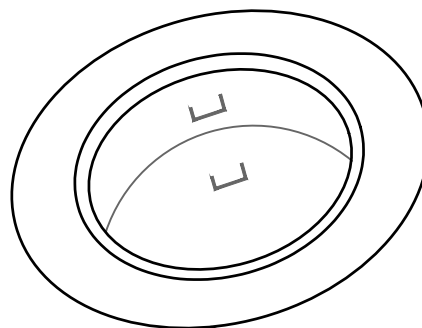
STANDARD DETAIL
RIPRAP DITCH CHECK
CITY OF JORDAN

STANDARD DETAIL
NO. 3009J
DATE MARCH 2025

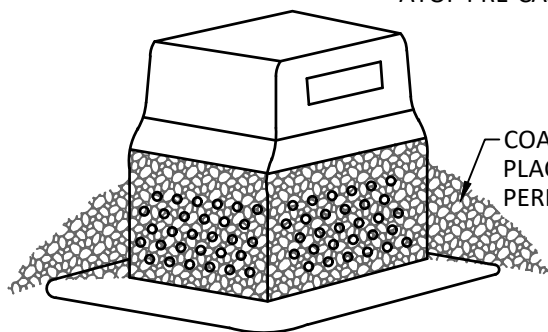




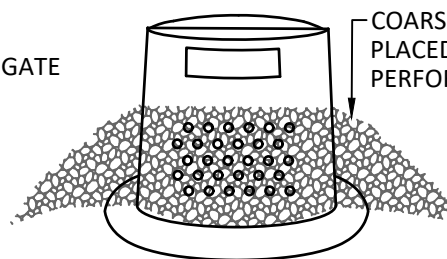
PLACE BARRIER FRAME
ATOP PRE-CAST TOP SLAB



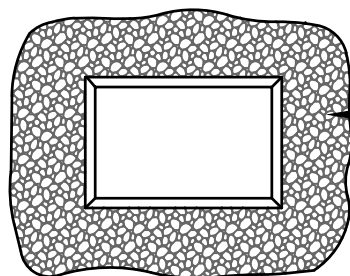
PLACE BARRIER FRAME
ATOP PRE-CAST TOP SLAB



COARSE FILTER AGGREGATE
PLACED TO COVER
PERFORATIONS

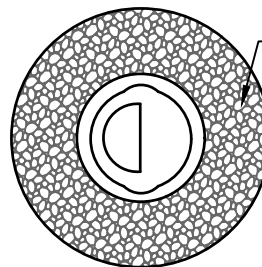


COARSE FILTER AGGREGATE
PLACED TO COVER
PERFORATIONS



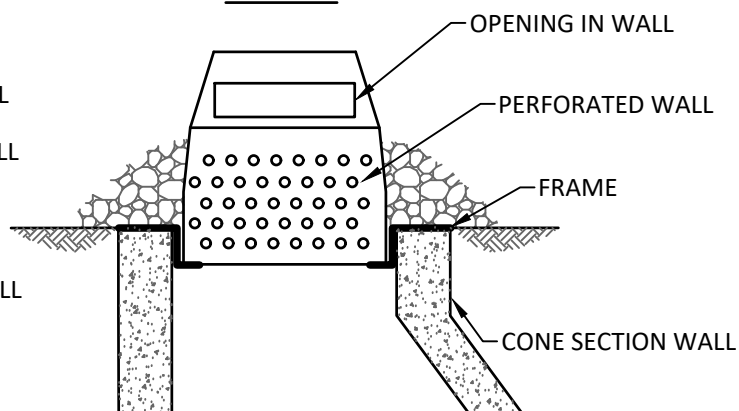
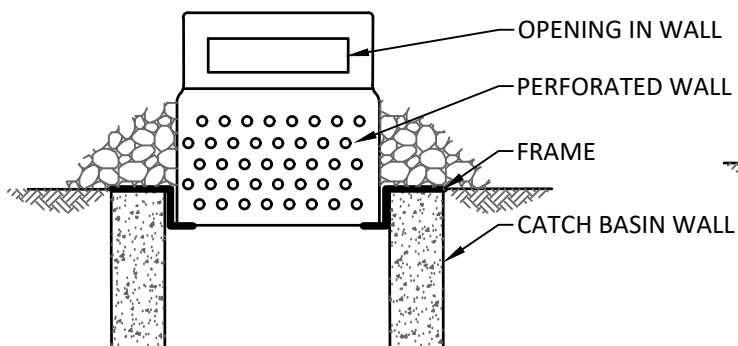
COARSE FILTER AGGREGATE
PLACED TO COVER
PERFORATIONS

TOP VIEW



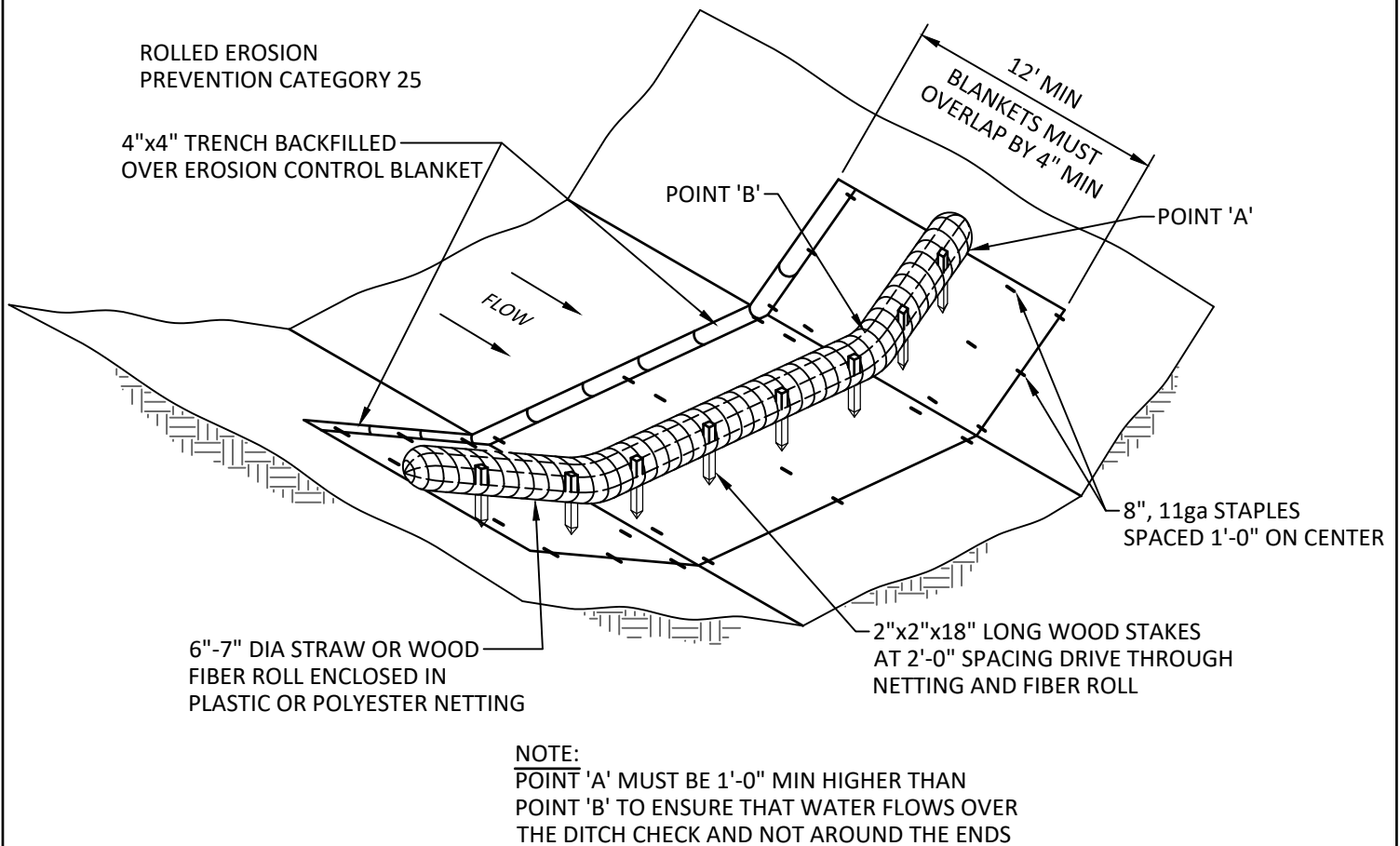
COARSE FILTER AGGREGATE
PLACED TO COVER
PERFORATIONS

TOP VIEW



STANDARD DETAIL
INLET PROTECTED PERFORATED WALL
CITY OF JORDAN

STANDARD DETAIL
NO. 3010J
DATE MARCH 2025



STANDARD DETAIL
BIOROLL DITCH CHECK
CITY OF JORDAN

STANDARD DETAIL
NO. 3011J
DATE MARCH 2025

NOTES:

INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED WHEN FULL, NOT FUNCTIONAL, OR WHEN DIRECTED BY THE ENGINEER. MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENTS EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED. WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL IN THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

FINISHED SIZE, INCLUDING POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.

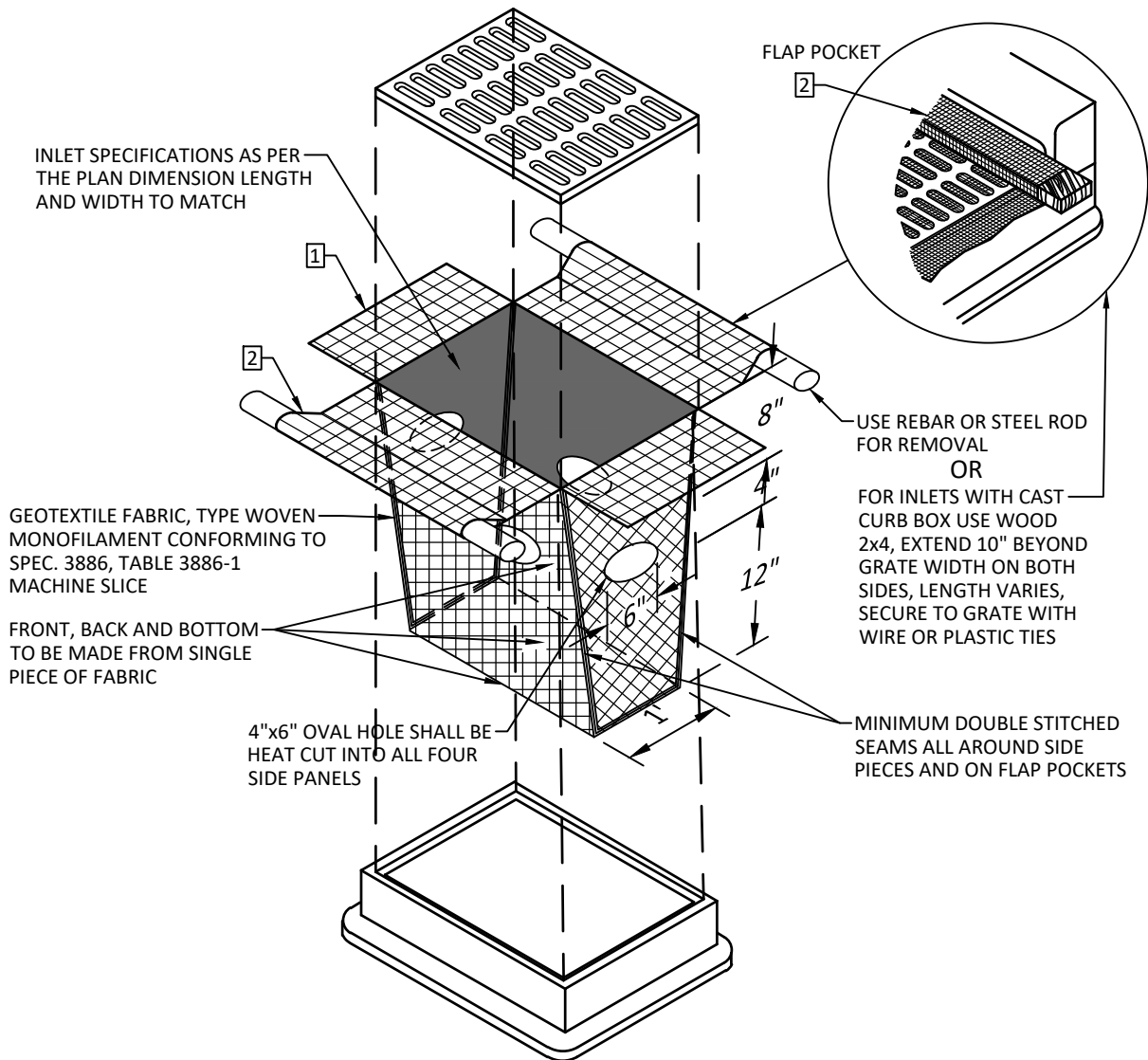
FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2x4.

INSTALLATION NOTES:

DO NOT INSTALL PROTECTION IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.

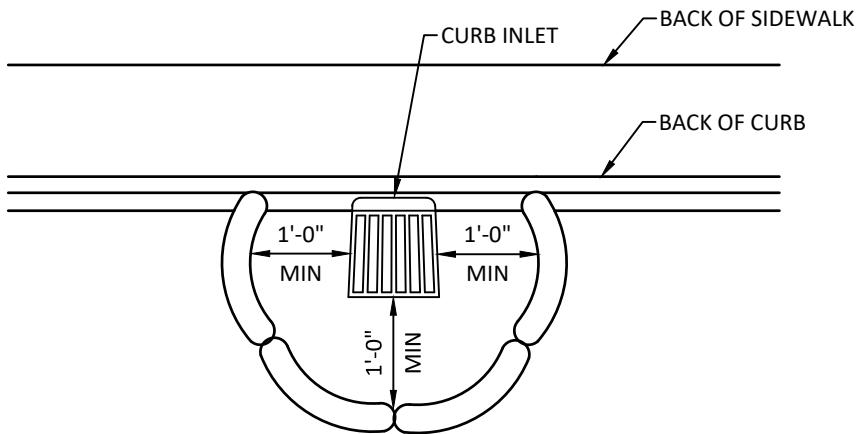
TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CLINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.



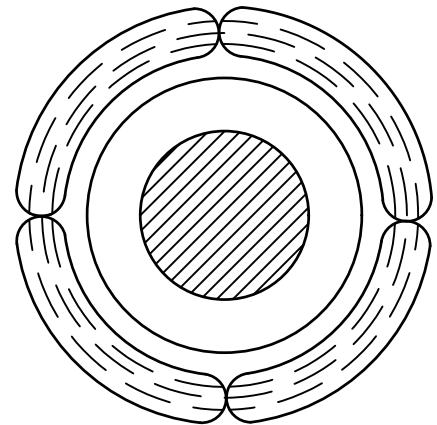
STANDARD DETAIL
INLET PROTECTION- GEOTEXTILE BAG
CITY OF JORDAN

STANDARD DETAIL
NO. 3012J
DATE MARCH 2025



NOTE:
THIS INLET PROTECTION IS USED DURING
ROUGH GRADING ONLY, USE BEFORE ROAD
IS OPEN TO TRAFFIC OR IS PAVED

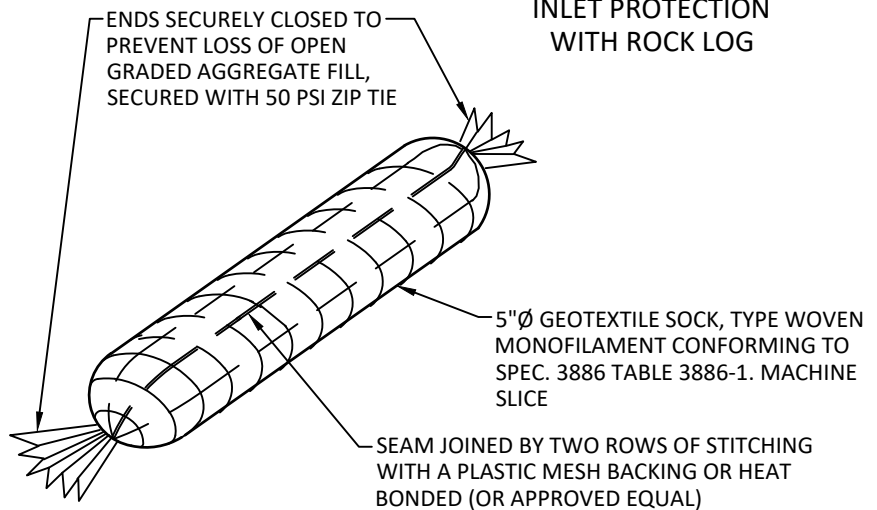
PAYMENT SHALL INCLUDE ALL MATERIALS,
FILLING OF LOG, PLACEMENT,
MAINTENANCE & REMOVAL;
80% OF BID PRICE SHALL BE PAID UPON
PROPER PLACEMENT WITH THE FINAL 20%
PAID UPON REMOVAL



FILL ROCK LOG WITH 45 LBS. OF OPEN
GRADED AGGREGATE CONSISTING OF
SOUND, DURABLE PARTICLES OF CRUSHED
QUARRY ROCK OR GRAVEL CONFORMING
TO THE FOLLOWING GRADATION.

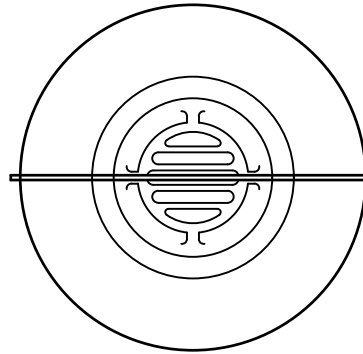
GRADATION	
SIEVE SIZE	PERCENT PASSING
1 1/2"	100
1"	95-100
3/4"	65-95
3/8"	30-65
NO 4	10-35
NO 10	3-20
NO 40	0-8
NO 200	0-3

NOTE:
CRUSHED CONCRETE OR BITUMINOUS
SHALL NOT BE USED FOR OPEN
GRADED AGGREGATE.



STANDARD DETAIL
INLET PROTECTION- ROCK BAG
CITY OF JORDAN

STANDARD DETAIL
NO. 3013J
DATE MARCH 2025



ANTIVORTEX ROD, 5/8"Ø MINIMUM,
TACK WELD TO STANDPIPE AND
SET PARALLEL TO FLOW

PLAN VIEW

1" HOLES SPACED
8"-10" ON CENTER

1'-0" UNLESS ADJUSTMENT IS
REQUIRED BECAUSE OF
POTENTIAL FOR FLOODING

GEOTEXTILE
(SEE NOTE)

PERFORATED METAL
STANDPIPE WRAPPED
GEOTEXTILE (SEE NOTE)

1'-0"

ELEVATION

NOTE:

ALL GEOTEXTILE USED FOR INLET
PROTECTION SHALL BE MONOFILAMENT
IN BOTH DIRECTIONS



STANDARD DETAIL

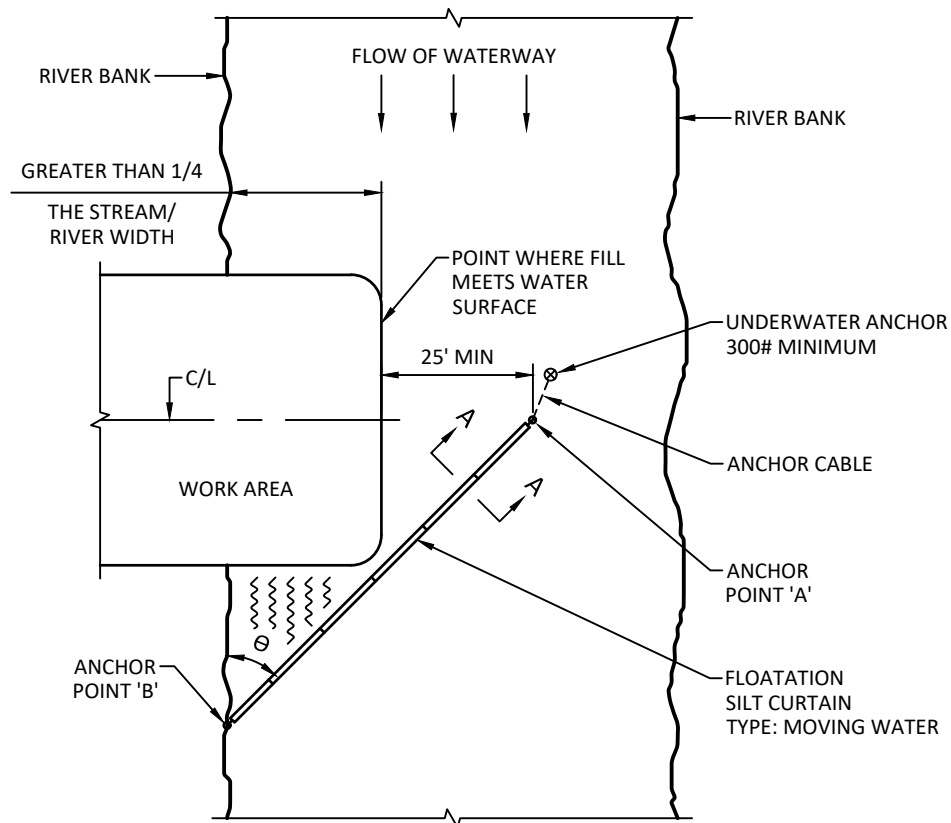
RISER STANDPIPE

CITY OF JORDAN

STANDARD DETAIL

NO. 3014J

DATE MARCH 2025

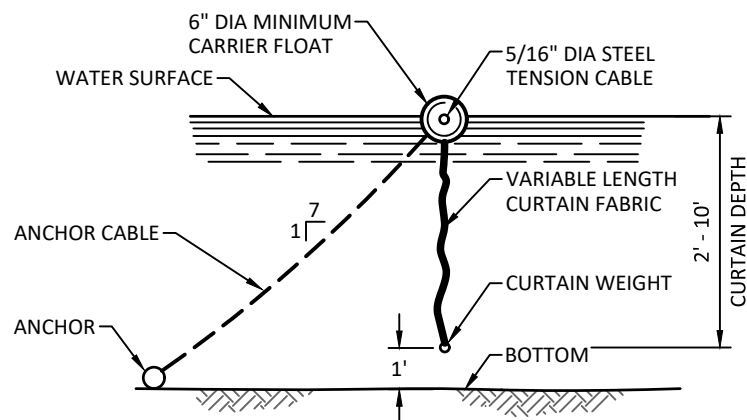


$\angle \theta$	RIVER VELOCITY
45°	SLOW, LESS THAN 3 FT/SEC
35°	MODERATE, 3 - 5 FT/SEC

PLAN VIEW

DESIGN GUIDELINES:
WHEN TEMPORARY FILL ENCROACHES MORE THAN
1/4 BUT LESS THAN 1/3 THE WIDTH OF THE STREAM

MAXIMUM WATER DEPTH: 11 FT
MINIMUM WATER DEPTH: 3 FT
MAXIMUM WATER VELOCITY: 5 FT/SEC

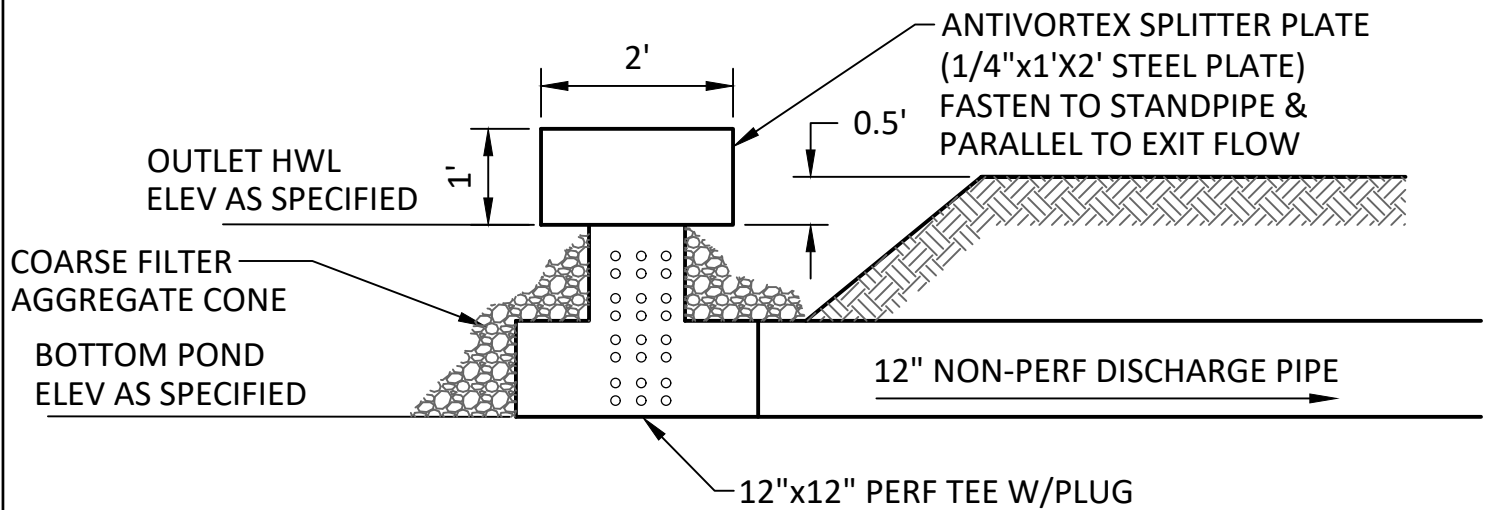


SECTION A-A



STANDARD DETAIL
FLOTATION SILT CURTAIN
CITY OF JORDAN

STANDARD DETAIL
NO. 3015J
DATE MARCH 2025



STANDARD DETAIL

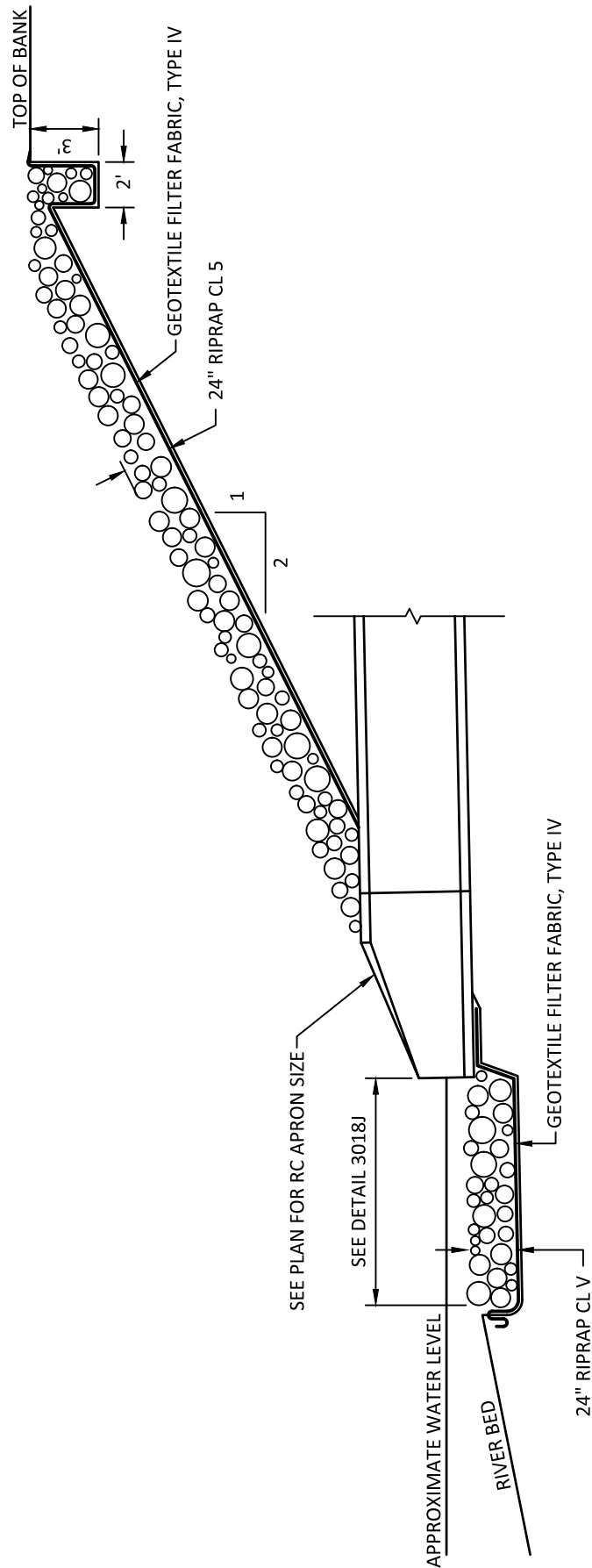
ALTERNATIVE CULVERT STANDPIPE

CITY OF JORDAN

STANDARD DETAIL

NO. 3016J

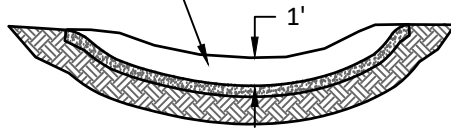
DATE MARCH 2025



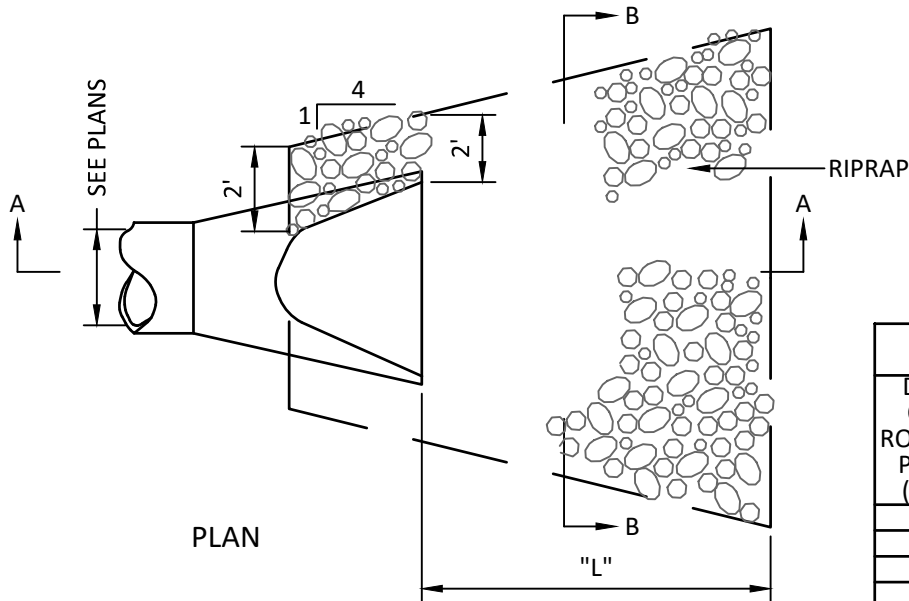
STANDARD DETAIL
RIPRAP AT RIVER OUTFALL
CITY OF JORDAN

STANDARD DETAIL
 NO. 3017J
 DATE MARCH 2025

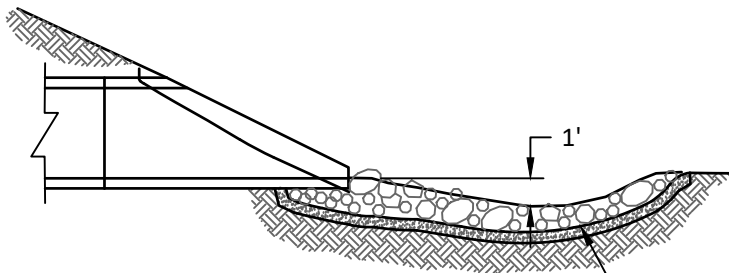
SEE TABLE FOR
MINIMUM DEPTH



SECTION B-B



PLAN



SECTION A-A

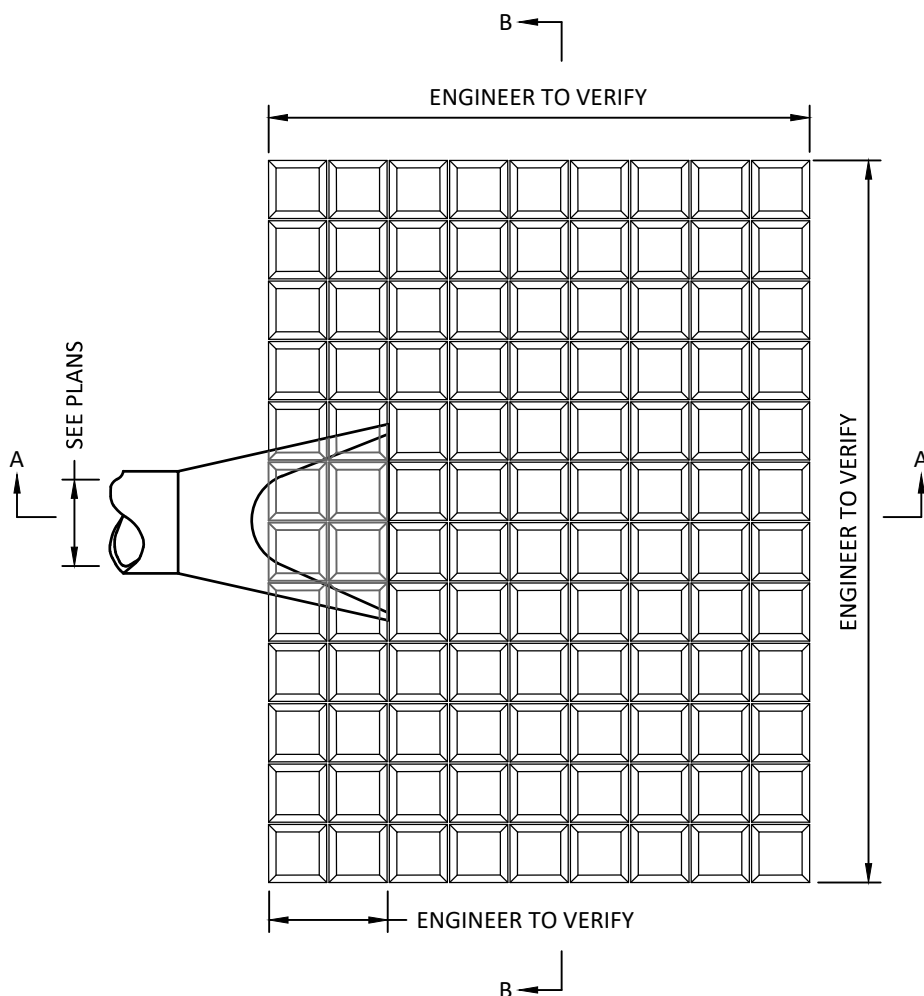
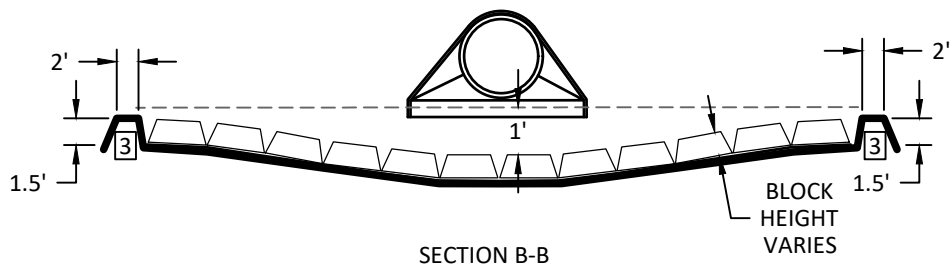
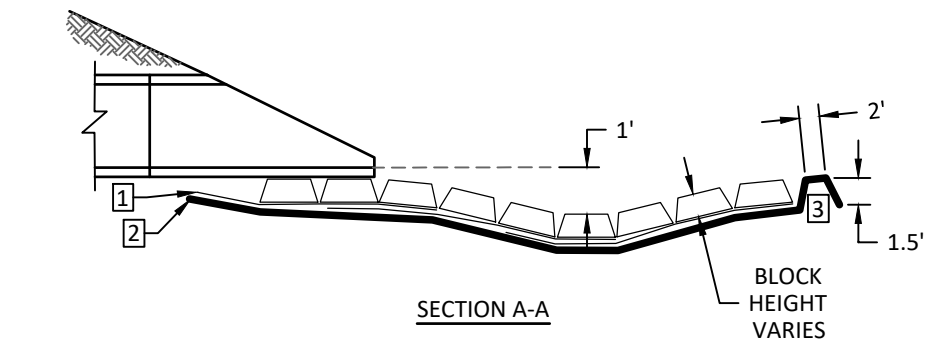
GEOTEXTILE FABRIC, PER SPEC 3733;
THE FABRIC SHOULD COVER THE AREA
OF THE RIPRAP AND EXTEND UNDER
THE CULVERT APRON THREE FEET

		CLASS II d50=6"	CLASS III d50=9"	CLASS IV d50=12"
DIA OF ROUND PIPE (IN)	L (FT)	12" DEPTH RIPRAP (CU YD)	18" DEPTH RIPRAP (CU YD)	24" DEPTH RIPRAP (CU YD)
12	8	5	8	10
15	8	5	8	10
18	10	6	10	15
21	10	8	15	15
24	12	10	15	20
27	12	10	15	20
30	14	15	20	25
36	16	18	25	30
42	18	20	30	40
48	20	20	40	50



STANDARD DETAIL
RCP END RIPRAP DETAIL
CITY OF JORDAN

STANDARD DETAIL
NO. 3018J
DATE MARCH 2025



- 1 ARTICULATED BLOCK TO BE PLACED FROM DOWN STREAM END GOING UPSTREAM. FABRIC INSTALLED TO BE PULLED TAUT TOWARDS THE UPSTREAM END PRIOR TO PLACEMENT OF NEXT BLOCK SECTION.
- 2 GEOTEXTILE FILTER, TYPE IV (MNDOT 2511 / 3733 INCIDENTAL) SHALL COVER THE AREA OF THE ARTICULATED BLOCK AND EXTEND UNDER THE CULVERT APRON THREE FEET.
- 3 THE LAST 3.5' OF GEOTEXTILE FILTER ON THE DOWN STREAM END IS TO BE DUG INTO THE EXISTING GROUND.

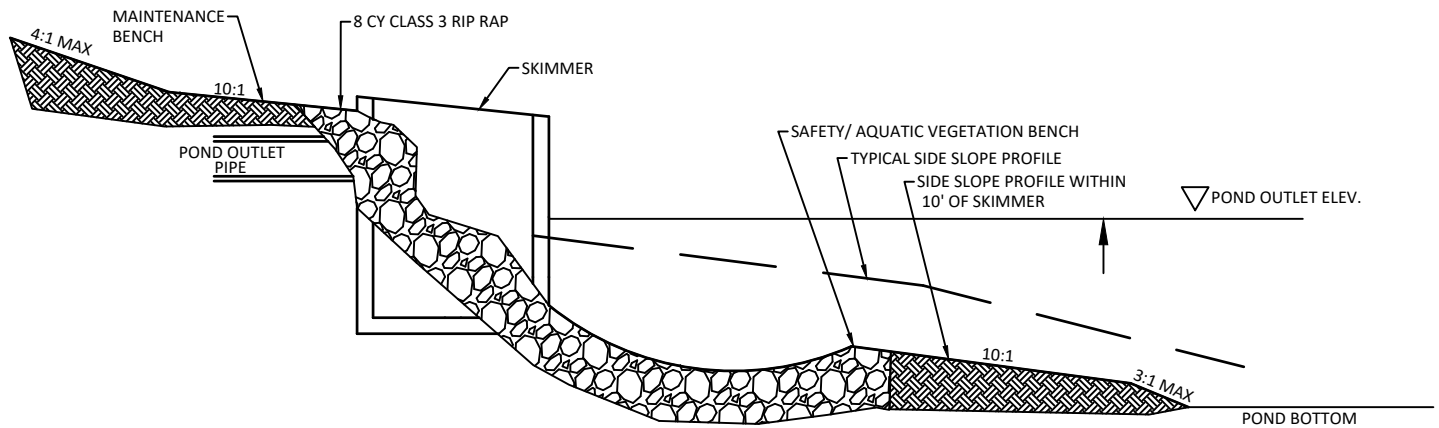
CONSTRUCTION NOTE:

- TOP SOIL TO BE PLACED LEVEL WITH TOP OF BLOCK AND SEEDED WITH MNDOT SEED MIX NO. 250GR TOPSOIL SHALL BE PLACED IN MANNER TO MINIMIZE ANY SETTLEMENT OF BLOCKS OR SOIL
- BLOCKS TO BE INSTALLED ACCORDING TO MANUFACTURERS RECOMMENDATIONS

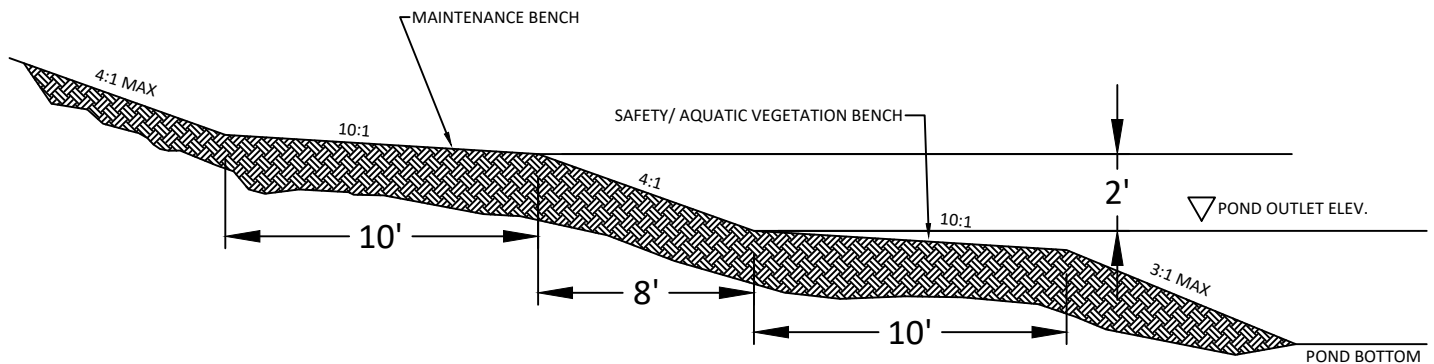


STANDARD DETAIL
ARTICULATED BLOCK AT FLARED END
CITY OF JORDAN

STANDARD DETAIL
 NO. 3019J
 DATE MARCH 2025



TYPICAL BENCH DETAIL
WITHIN 10' OF SKIMMER OUTLET

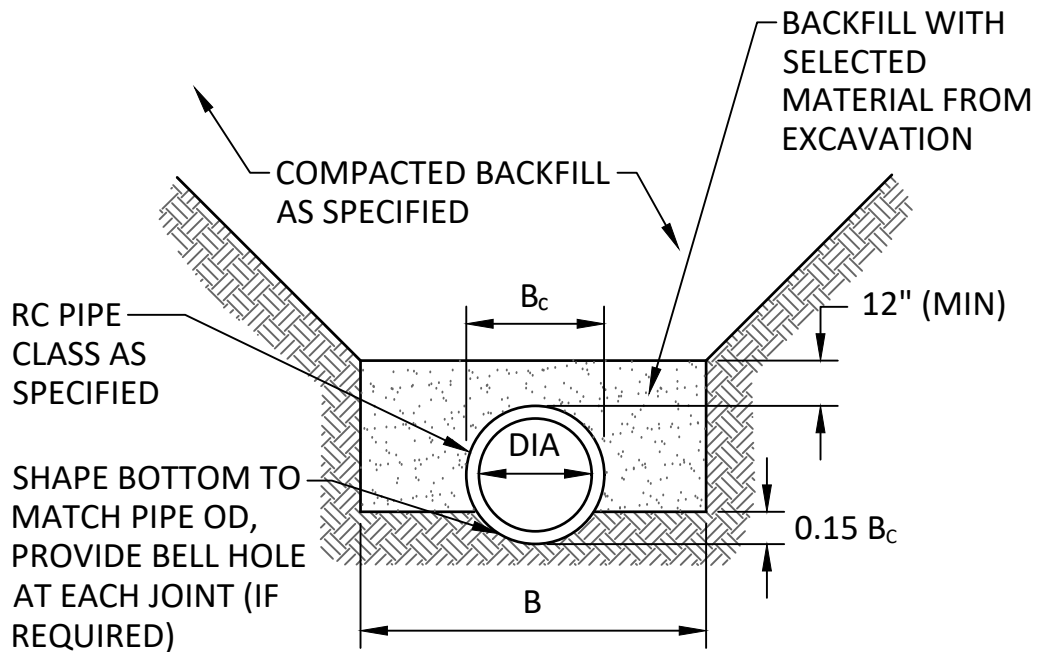


TYPICAL BENCH DETAIL



STANDARD DETAIL
TYPICAL BENCH DETAIL
CITY OF JORDAN

STANDARD DETAIL
NO. 3020J
DATE MARCH 2025

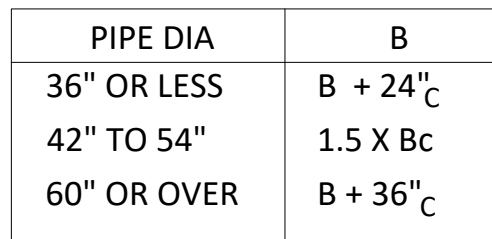


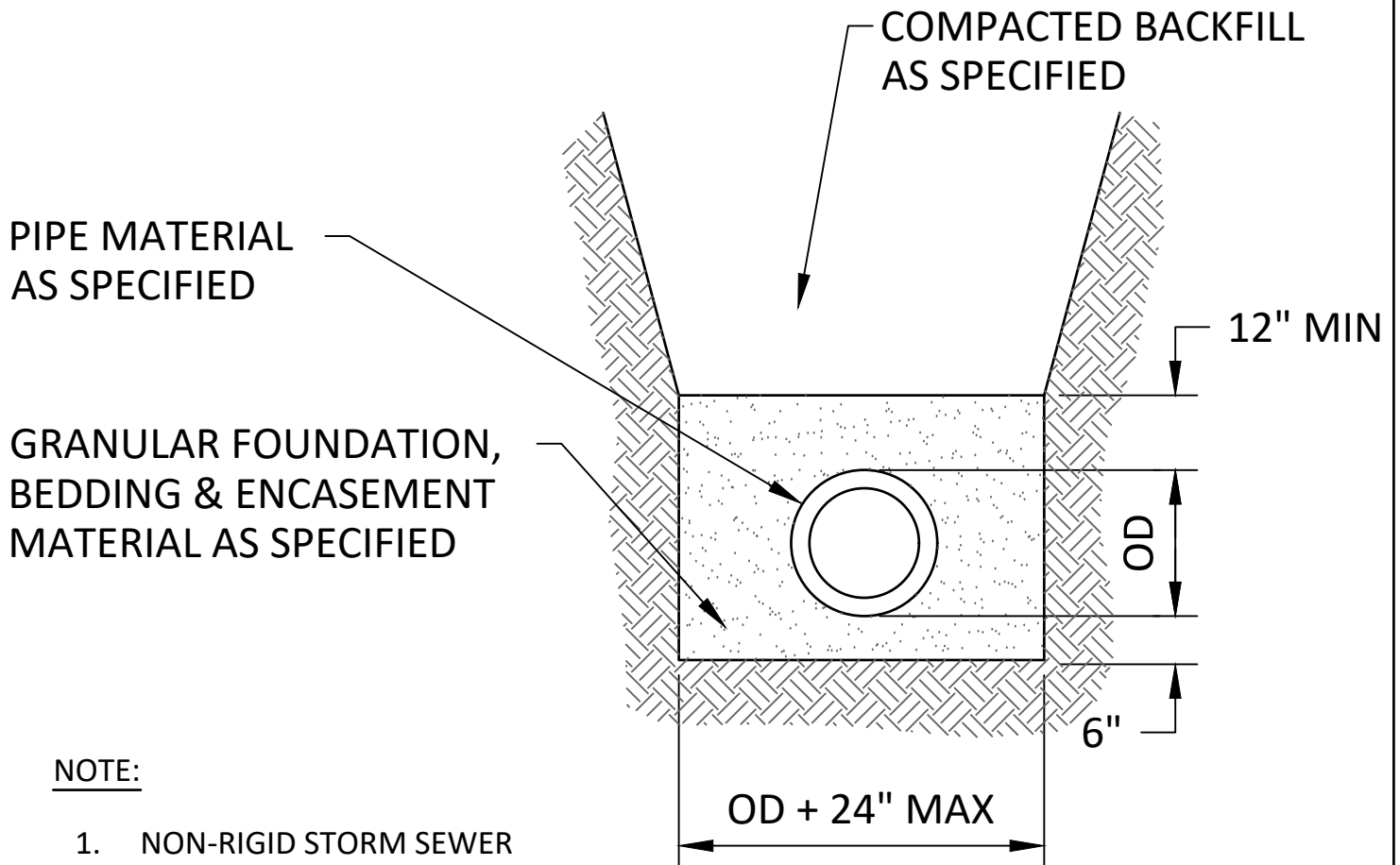
PIPE DIA	B
36" OR LESS	$B_c + 24"$
42" TO 54"	$1.5 \times B_c$
60" OR OVER	$B_c + 36"$



STANDARD DETAIL
RC STORM SEWER CLASS C BEDIDNG
CITY OF JORDAN

STANDARD DETAIL
NO. 4001J
DATE MARCH 2025





NOTE:

1. NON-RIGID STORM SEWER SHALL ONLY BE ALLOWED IN GREEN SPACE



STANDARD DETAIL

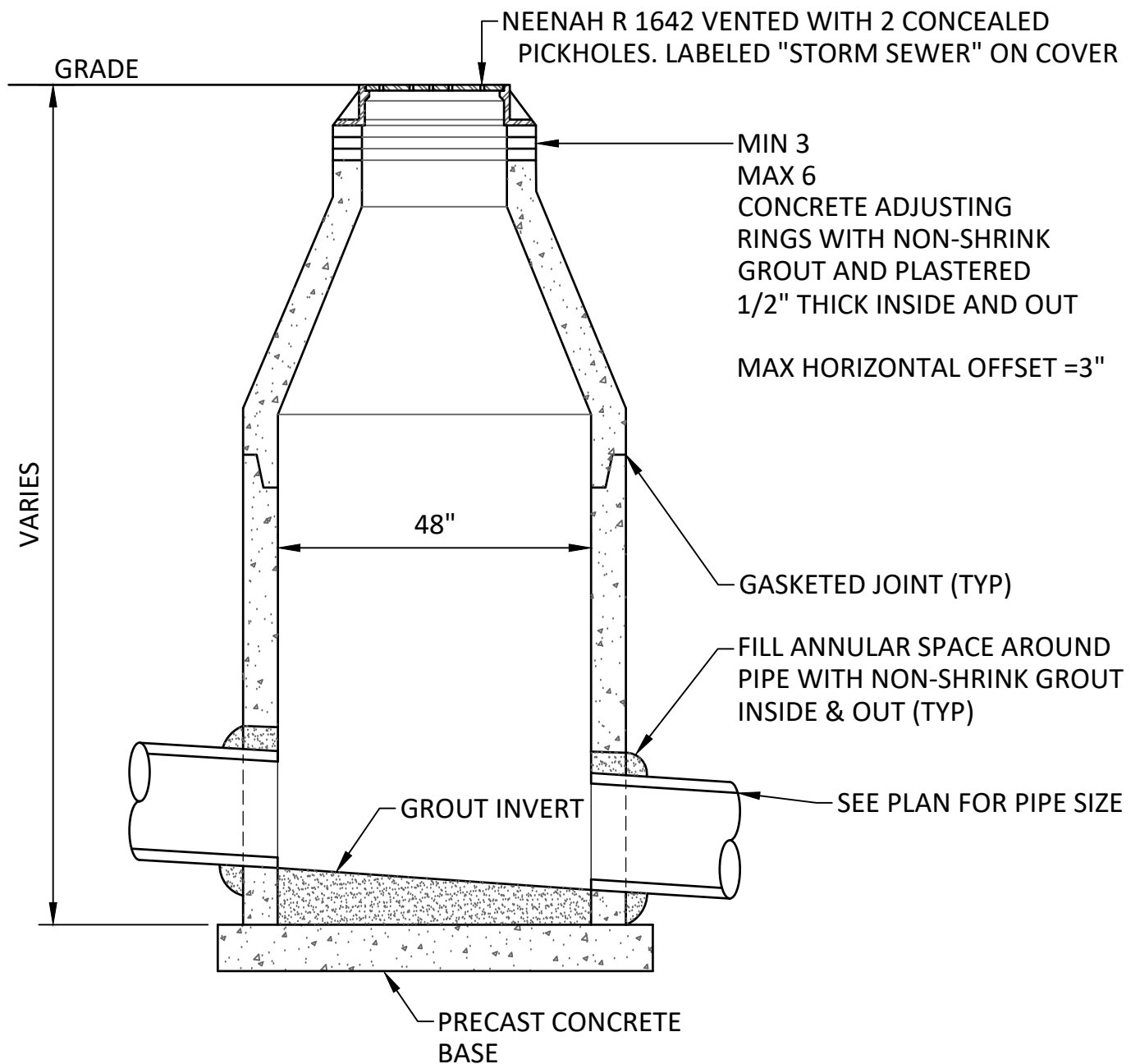
NON-RIGID STORM SEWER TRENCH

CITY OF JORDAN

STANDARD DETAIL

NO. 4003J

DATE MARCH 2025



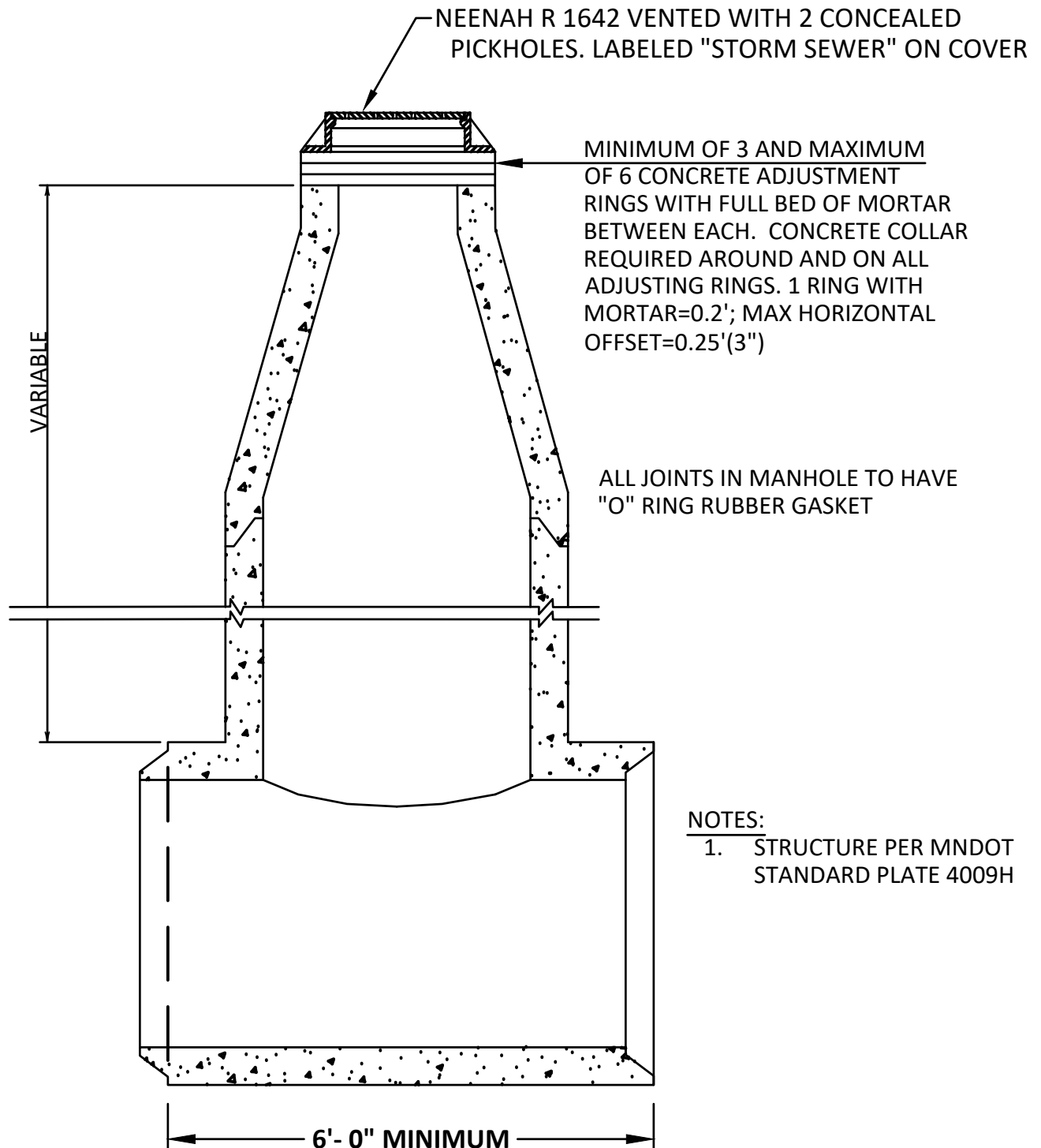
NOTE:

1. STRUCTURE PER MNDOT 4020
STANDARD PLATE, EXCEPT CONE.



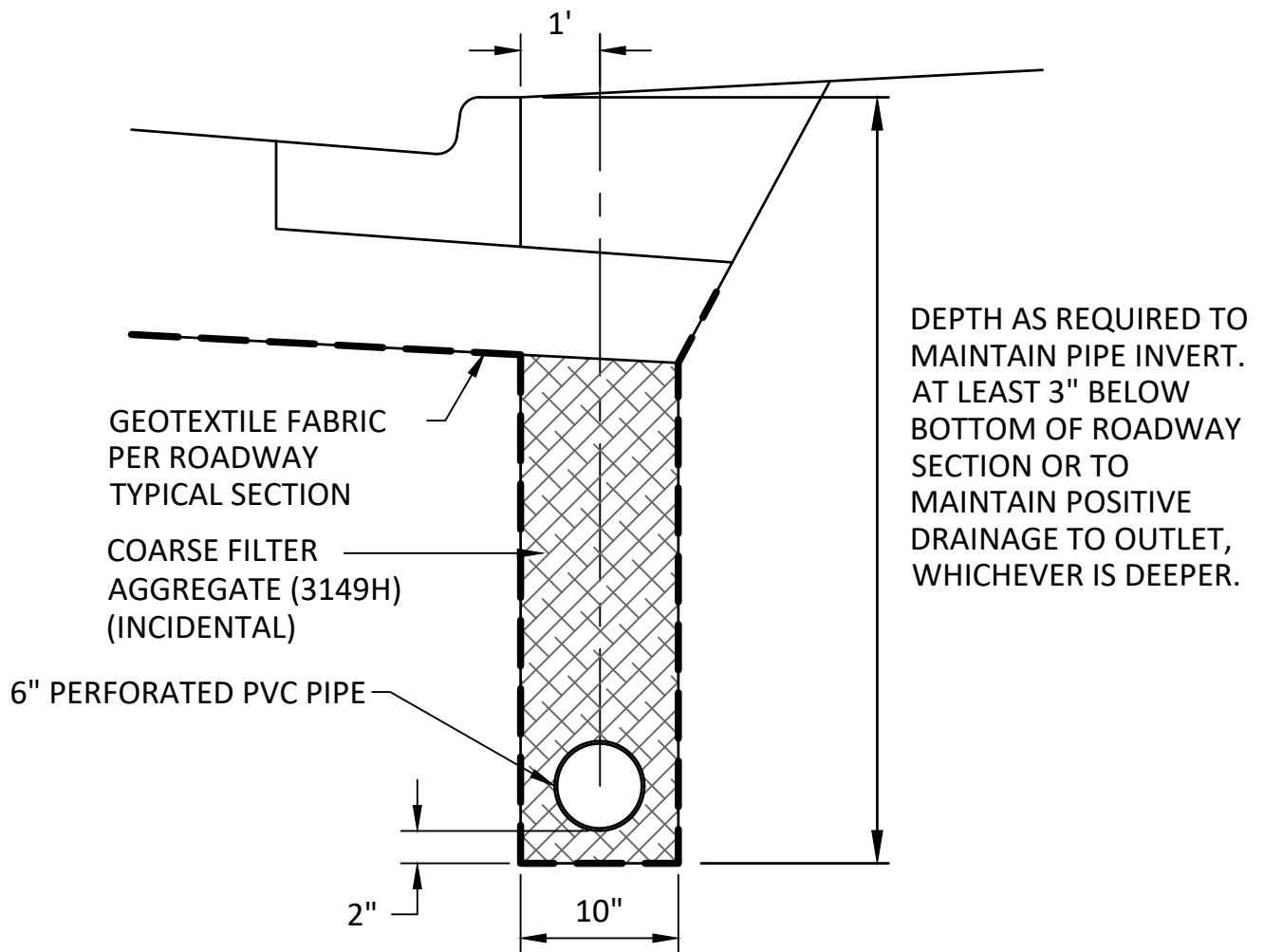
STANDARD DETAIL
STORM SEWER STRUCUTRES DES F, TYPE A CONE
CITY OF JORDAN

STANDARD DETAIL
 NO. 4004J
 DATE MARCH 2025



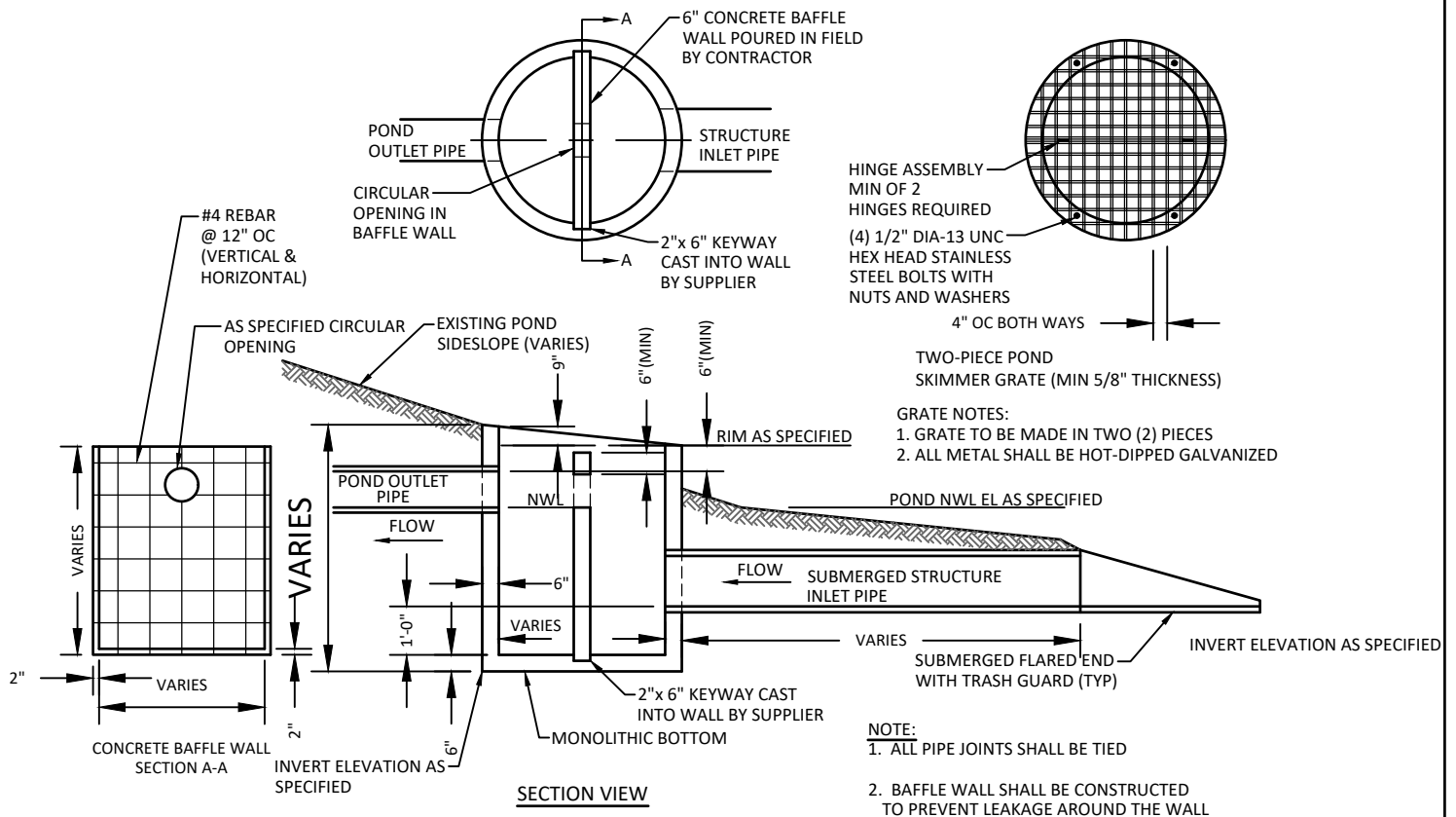
STANDARD DETAIL
DRAINAGE STRUCTURE DESIGN J
CITY OF JORDAN

STANDARD DETAIL
NO. 4005J
DATE MARCH 2025



STANDARD DETAIL
ROADWAY EDGE DRAIN
CITY OF JORDAN

STANDARD DETAIL
NO. 4006J
DATE MARCH 2025



STANDARD DETAIL

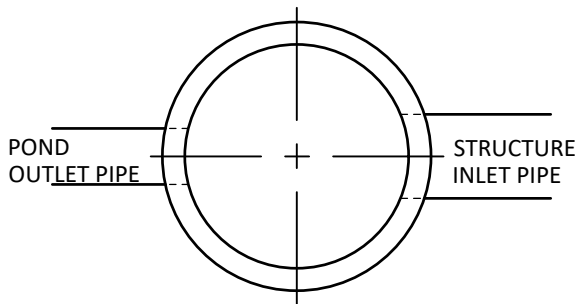
POND SKIMMER STRUCTURE WITH RATE CONTROL BAFFLE

CITY OF JORDAN

STANDARD DETAIL

NO. 4007J

DATE MARCH 2025

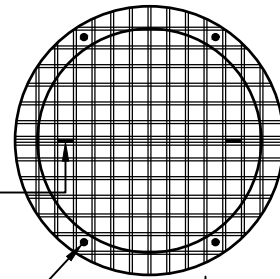


GRATE NOTES:

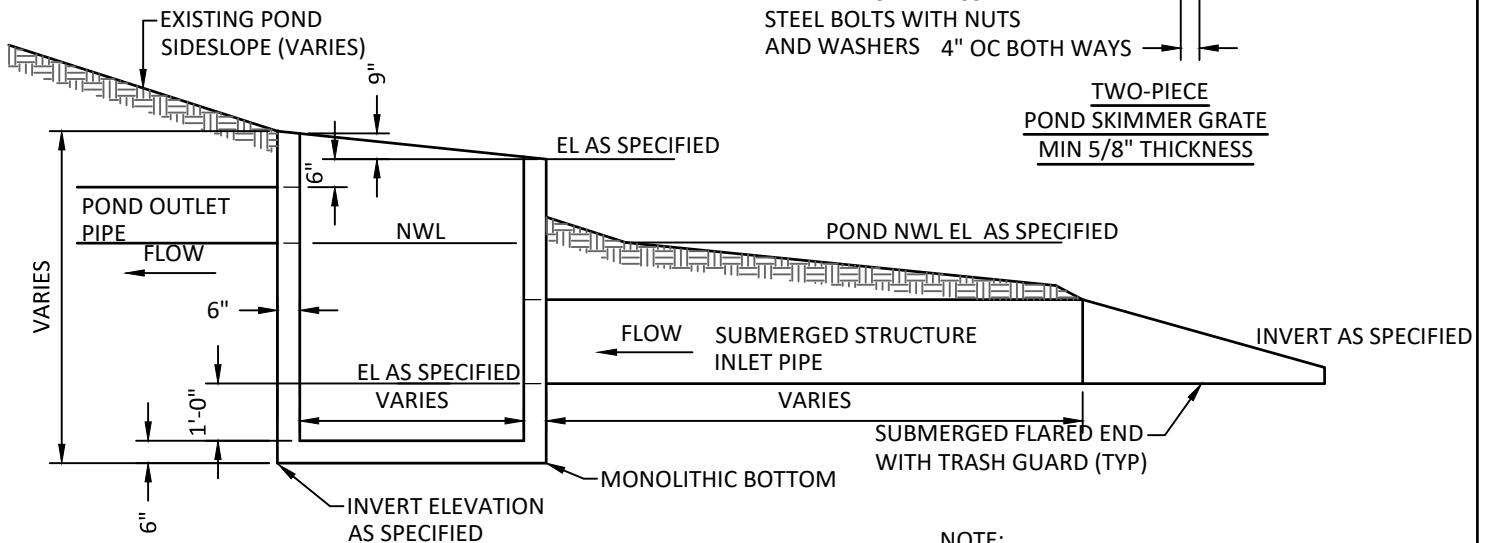
1. GRATE TO BE MADE IN TWO (2) PIECES
2. ALL METAL SHALL BE HOT-DIPPED GALVANIZED

HINGE ASSEMBLY
MINIMUM OF 2
HINGES REQUIRED

(4) 1/2" DIA-13 UNC
HEX HEAD STAINLESS
STEEL BOLTS WITH NUTS
AND WASHERS 4" OC BOTH WAYS



TWO-PIECE
POND SKIMMER GRATE
MIN 5/8" THICKNESS



SECTION VIEW

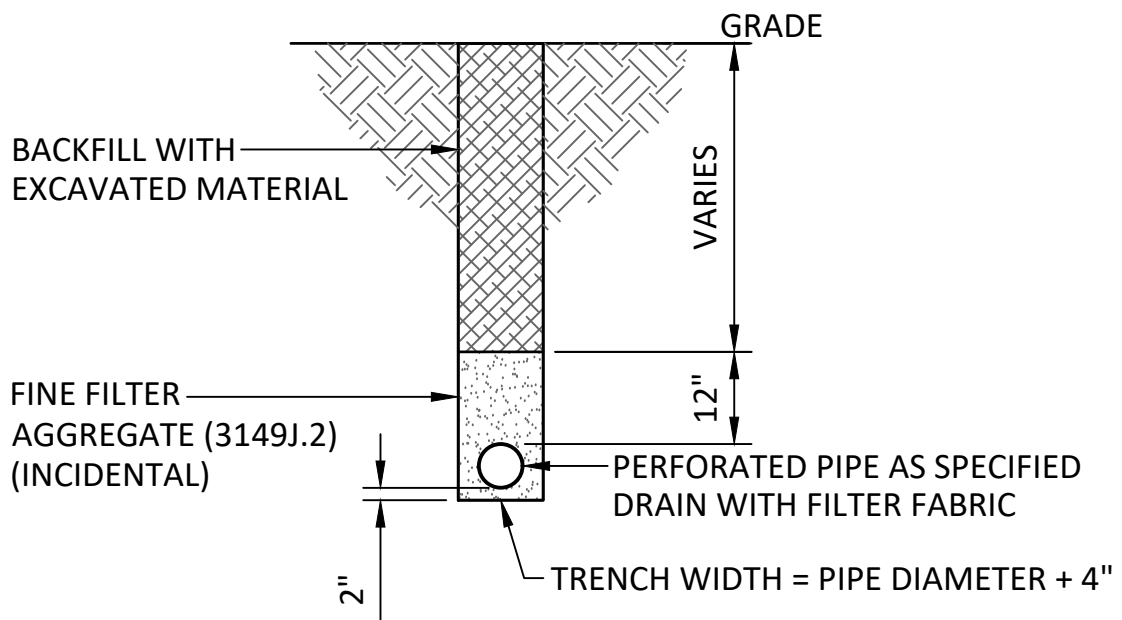
NOTE:

1. ALL PIPE JOINTS SHALL BE TIED.



STANDARD DETAIL
POND SKIMMER STRUCTURE
CITY OF JORDAN

STANDARD DETAIL
NO. 4008J
DATE MARCH 2025



STANDARD DETAIL

SUBSURFACE PIPE DRAIN

CITY OF JORDAN

STANDARD DETAIL

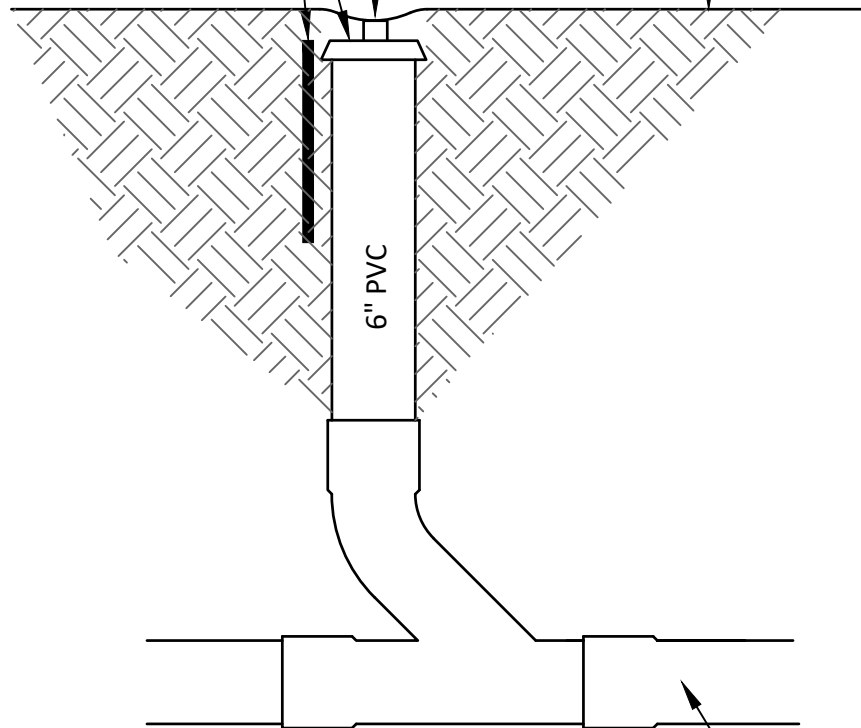
NO. 4009J

DATE MARCH 2025

THREADED METAL CAP OR 18"
STEEL PIN FOR LOCATING

THREADED CAP

GRADE



6" PVC PERFORATED
DRAIN PIPE AS SPECIFIED

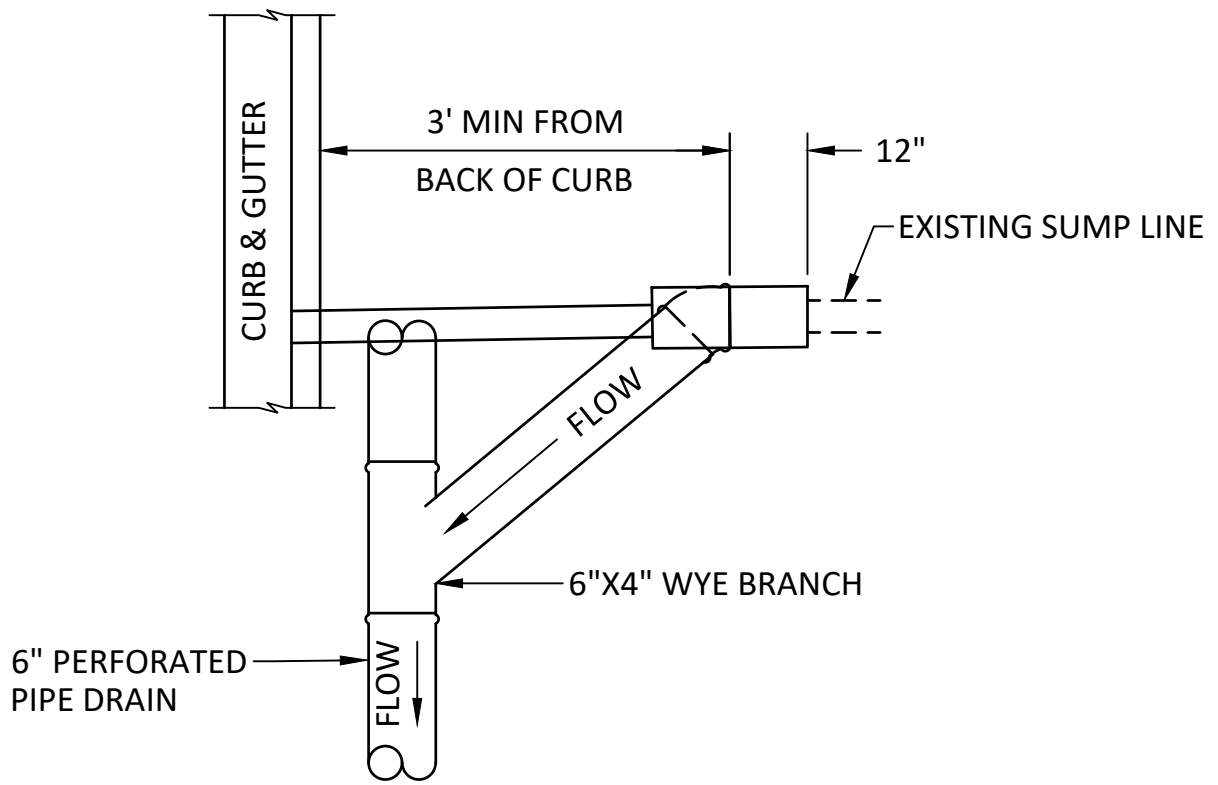
NOTE:

1. LOCATION OF CLEANOUT TO BE
IDENTIFIED BY STAMP IN CONCRETE CURB.

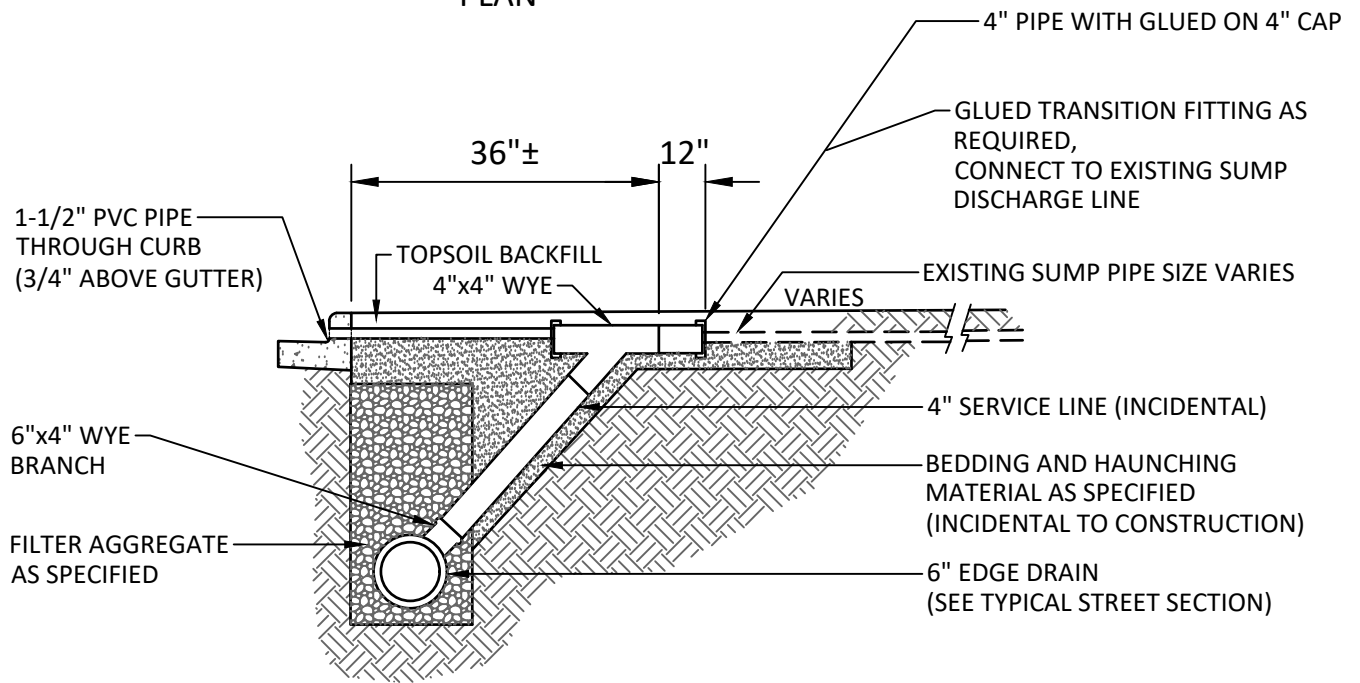


STANDARD DETAIL
SUBSURFACE DRAIN CLEANOUT
CITY OF JORDAN

STANDARD DETAIL
NO. 4010J
DATE MARCH 2025



PLAN



PROFILE

NOTES:

1. ALL FITTINGS REQUIRED ARE CONSIDERED INCIDENTAL TO THE PIPE INSTALLATION



STANDARD DETAIL

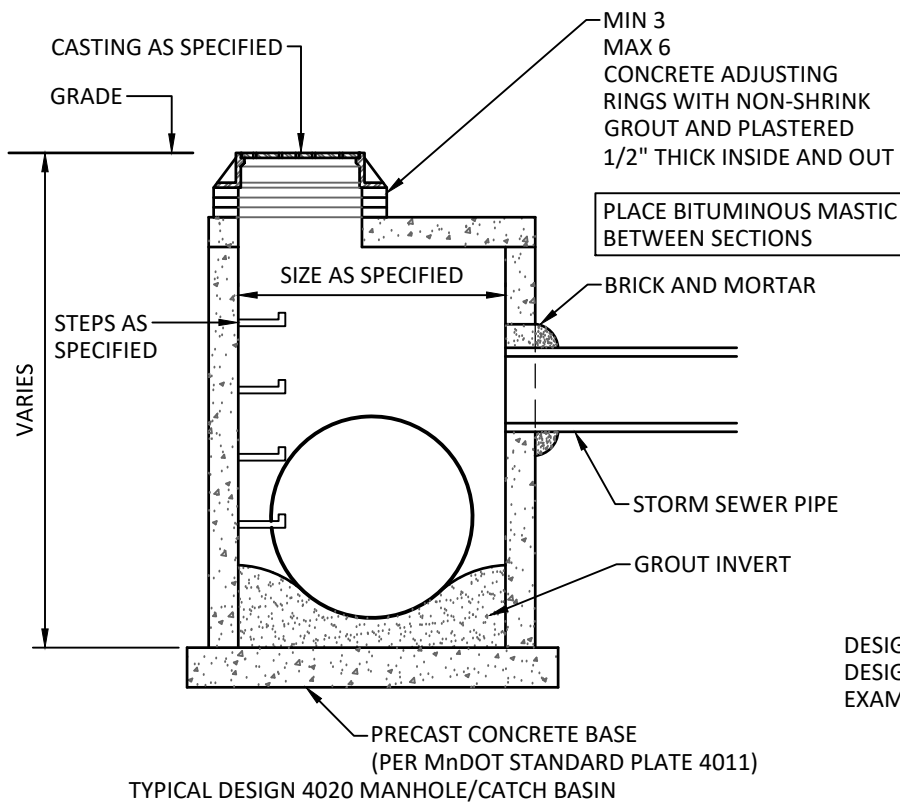
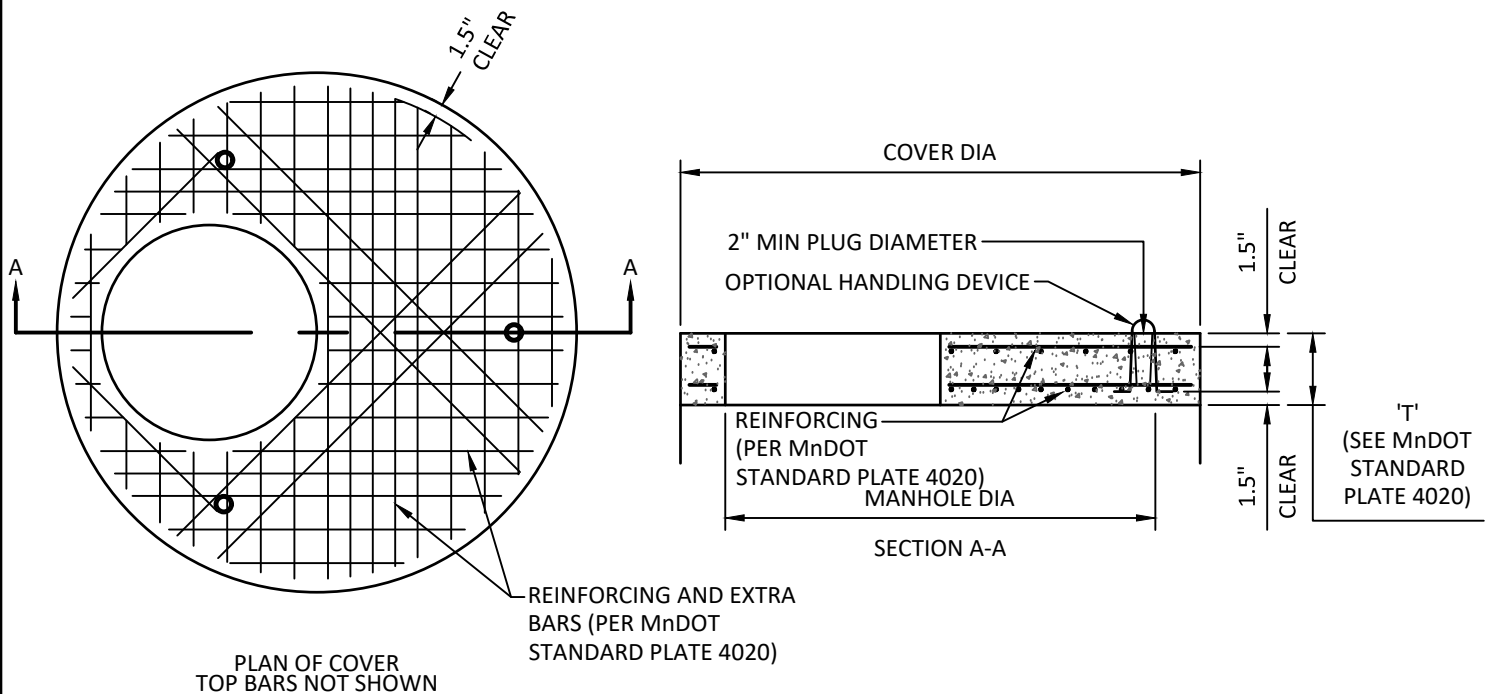
SUBSURFACE DRAIN SUMP PUMP SERVICE LINE

CITY OF JORDAN

STANDARD DETAIL

NO. 4011J

DATE MARCH 2025



NOTES:

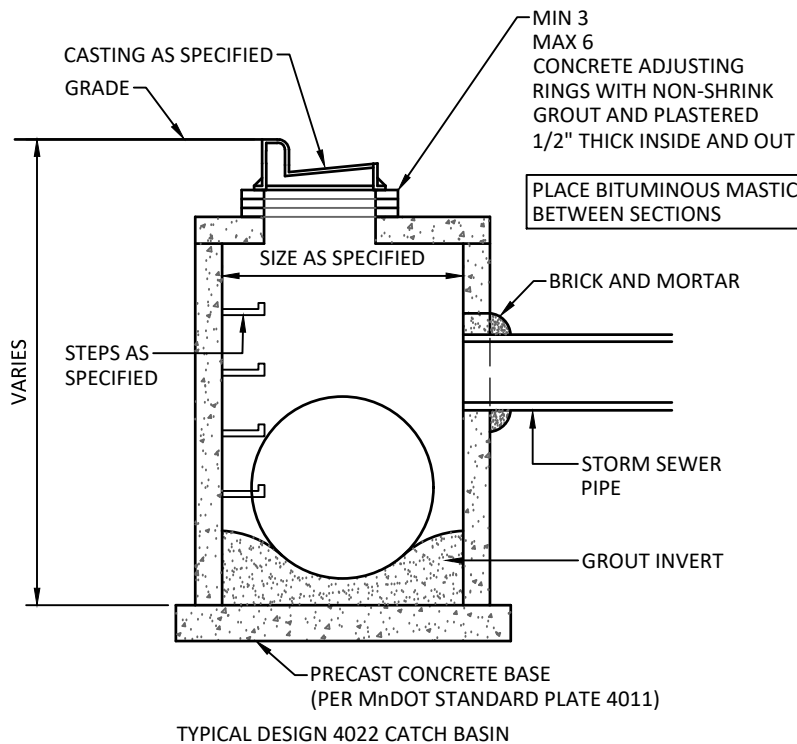
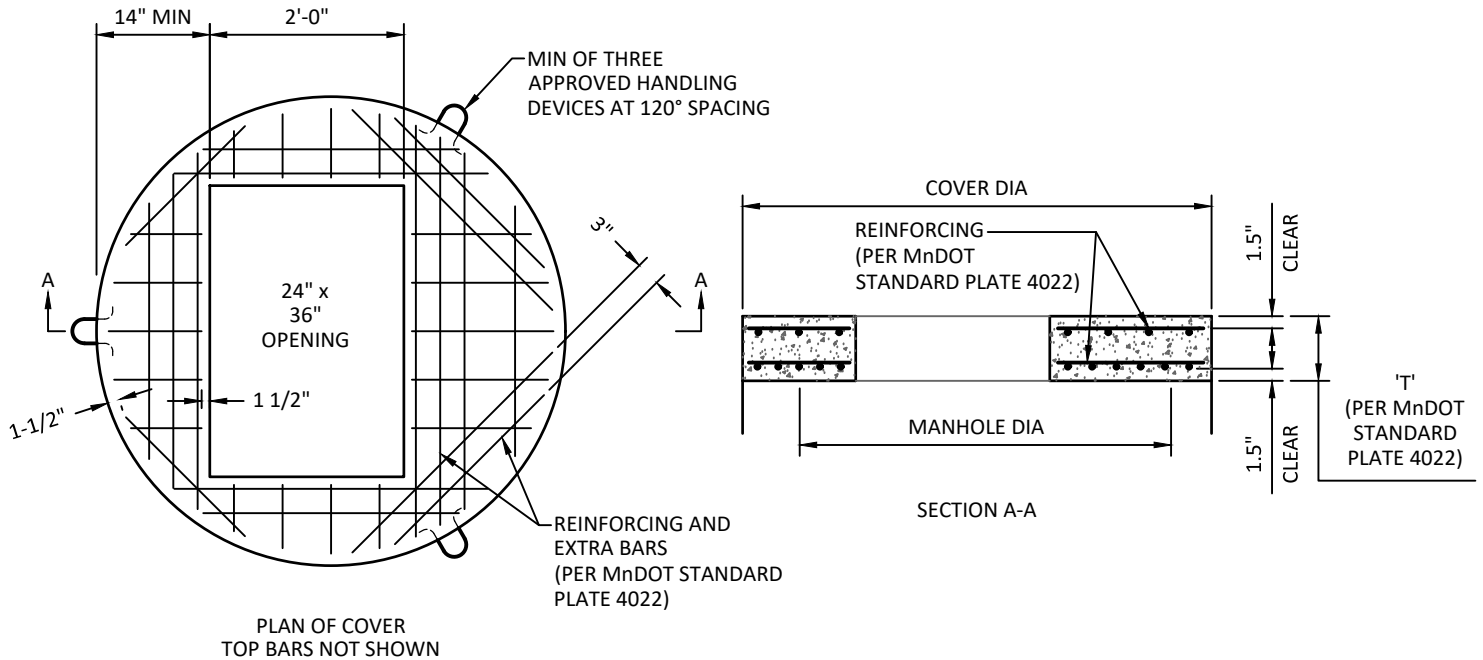
1. AASHTO HS 25 LOADING MAX FILL HEIGHT 15'
2. THE "STORM SEWER" SHALL BE PERMANENTLY MARKED ON THE TOP COVER
3. EQUIVALENT STEEL AREAS IN WIRE MESH MAY BE USED
4. REINFORCEMENT PER SPEC 3301, GRADE 60 A SINGLE HOOP OF 8ga STEEL WIRE
5. STRUCTURE DESIGN PER MNDOT PLATE 4020.

DESIGNATION:
DESIGN DIAMETER - STANDARD PLATE #
EXAMPLE: DESIGN 48-4020



STANDARD DETAIL DRAINAGE STRUCTURE DESIGN 4020 CITY OF JORDAN

STANDARD DETAIL
NO. 4012J
DATE MARCH 2025



NOTES:

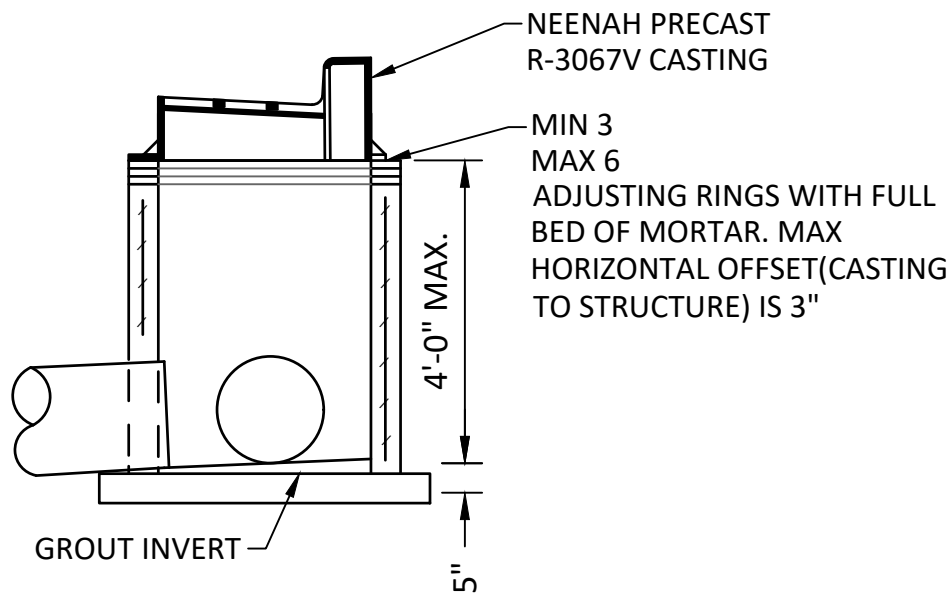
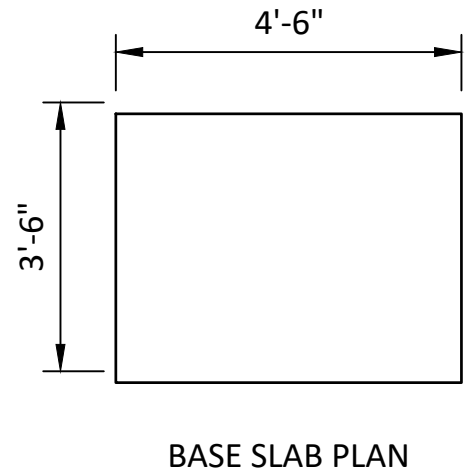
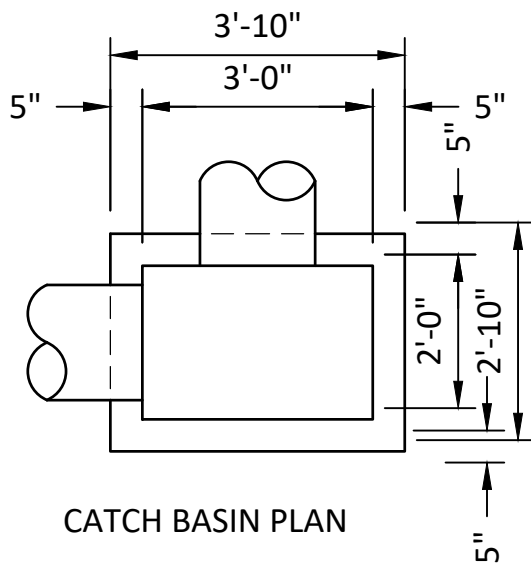
1. AASHTO HS 25 LOADING MAX FILL HEIGHT 15'
2. THE "STORM SEWER" SHALL BE PERMANENTLY MARKED ON THE TOP COVER
3. EQUIVALENT STEEL AREAS IN WIRE MESH MAY BE USED
4. REINFORCEMENT PER SPEC 3301, GRADE 60 A SINGLE HOOP OF 8ga STEEL WIRE
5. STRUCTURE DESIGN PER MNDOT 4022

DESIGNATION:
DESIGN DIAMETER - STANDARD PLATE #
EXAMPLE = DESIGN 48-4022



STANDARD DETAIL DRAINAGE STRUCTURE DESIGN 4022 CITY OF JORDAN

STANDARD DETAIL
NO. 4013J
DATE MARCH 2025



SECTION

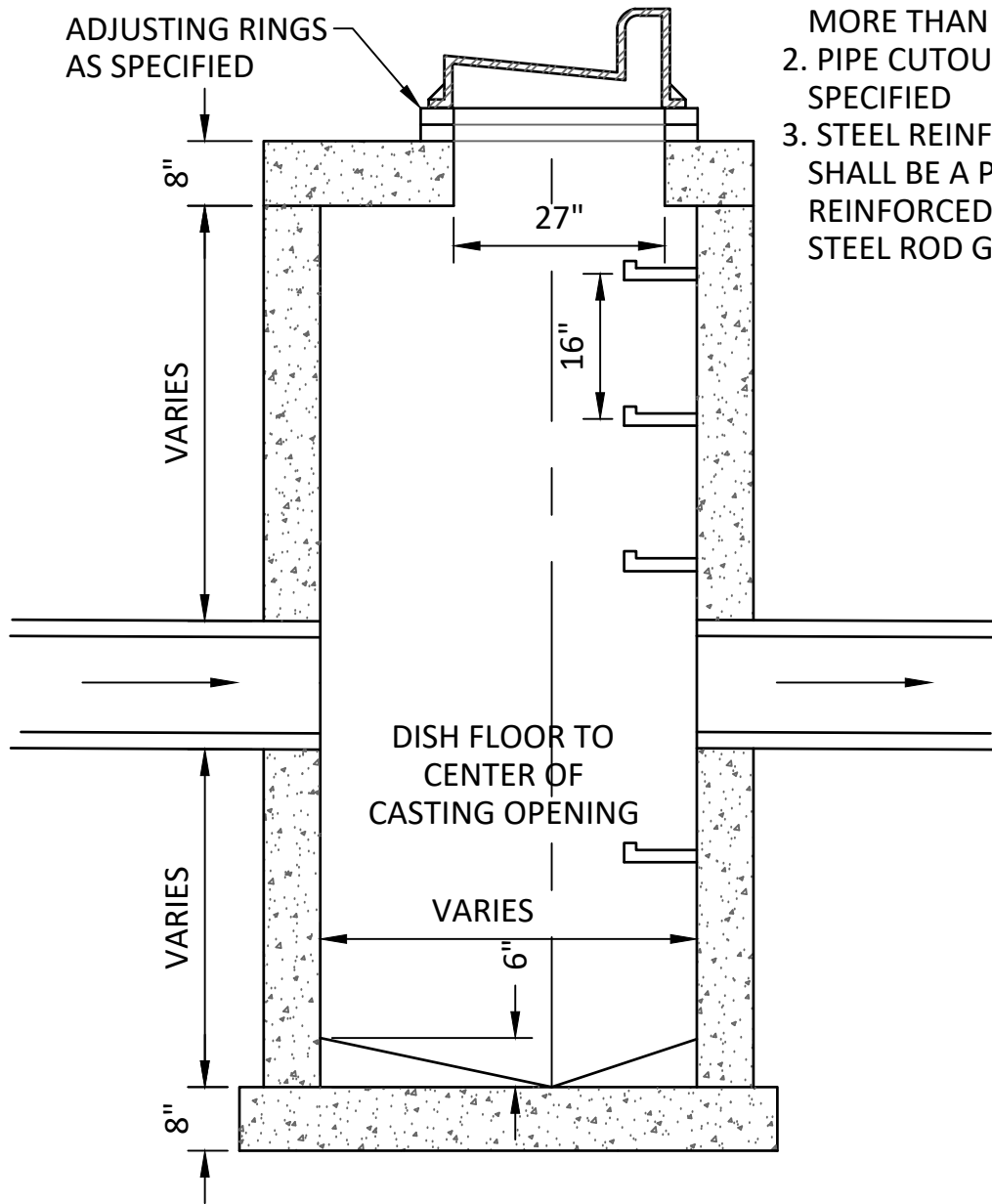
NOTES:

1. PRECAST INVERTS WILL NOT BE ALLOWED.
2. PIPE CUT-OUTS PER PLANS.
3. ALTERNATE CAST-IN-PLACE BASE CAN BE USED
4. MIN REINFORCING SHALL BE WIRE FABRIC HAVING AN AREA OF NOT LESS THAN 0.12 SQ IN PER FOOT IN BOTH DIRECTIONS
5. DOGHOUSES SHALL BE GROUTED ON BOTH THE INSIDE AND OUTSIDE.



STANDARD DETAIL
DRAINAGE STRUCTURE DESIGN R-1 (2'X3')
CITY OF JORDAN

STANDARD DETAIL
NO. 4014J
DATE MARCH 2025



NOTES:

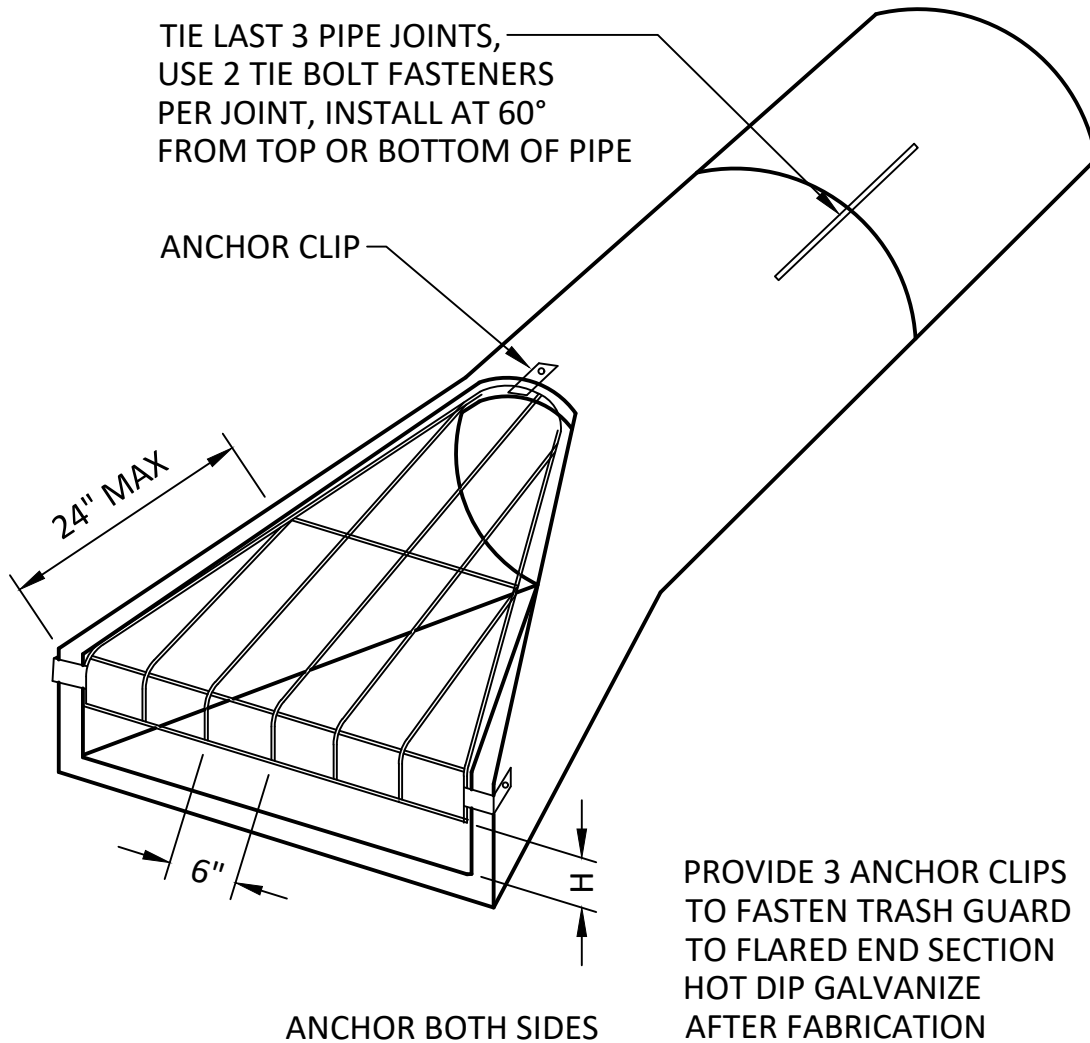
1. ECCENTRIC CONE SECTION MAY BE USED IN DEEP STRUCTURES TO AVOID MORE THAN 4 ADJUSTING RINGS
2. PIPE CUTOUTS TO BE LOCATED AS SPECIFIED
3. STEEL REINFORCED PLASTIC STEPS SHALL BE A POLYPROPYLENE PLASTIC REINFORCED WITH A NO 2 DEFORMED STEEL ROD GRADE 60

SECTIONAL VIEW



STANDARD DETAIL
DRAINAGE STRUCTURE WITH SUMP
CITY OF JORDAN

STANDARD DETAIL
 NO. 4015J
 DATE MARCH 2025

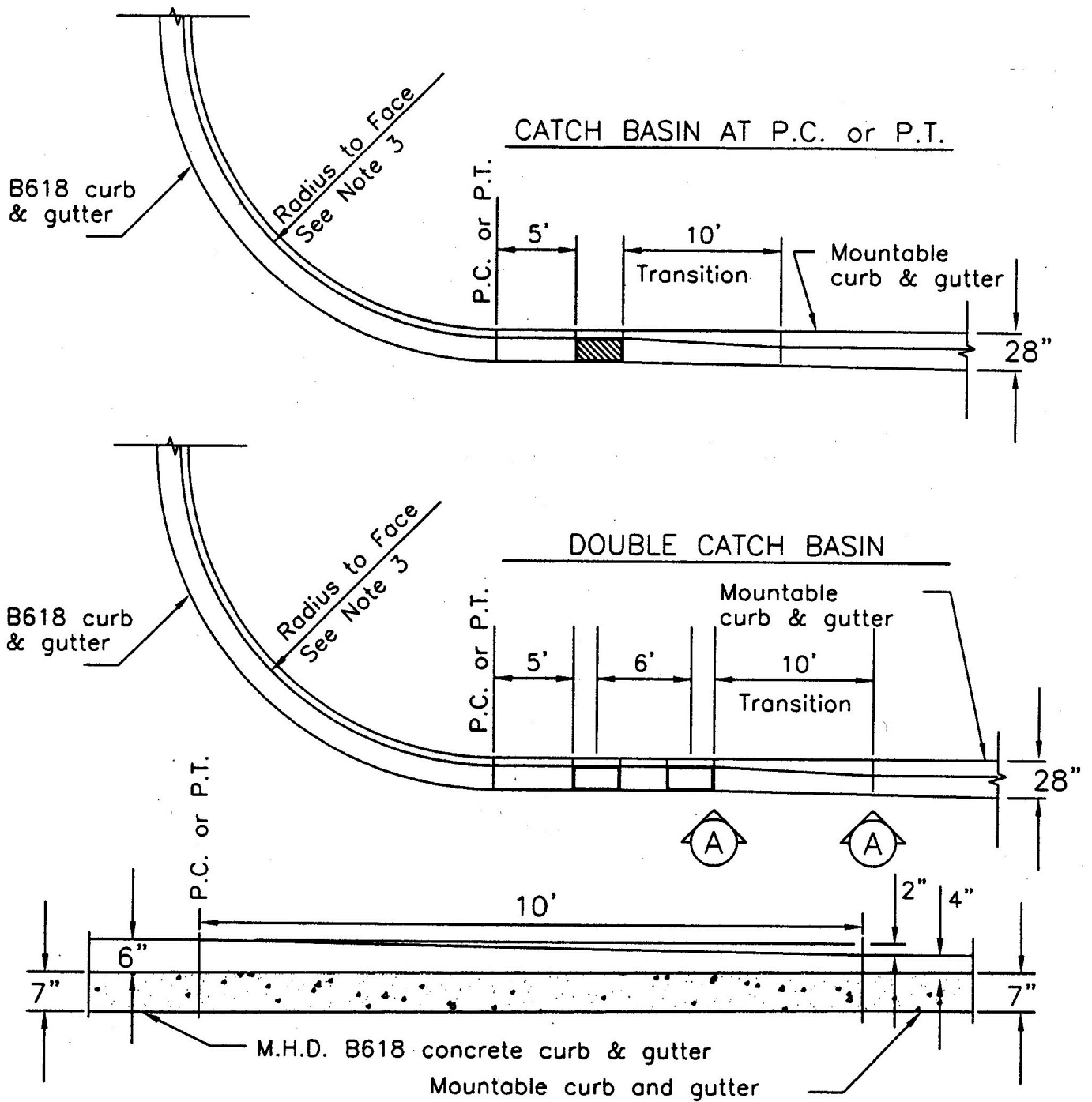


TRASH GUARD SIZES			
PIPE SIZE	BARs	"H"	BOLTS
12"-18"	3/4"Ø	4"	5/8"
21"-42"	1"Ø	6"	3/4"
42"-72"	1 1/4"Ø	12"	1"



STANDARD DETAIL
RC APRON TRASH GUARD
CITY OF JORDAN

STANDARD DETAIL
NO. 4016J
DATE MARCH 2025



NOTE:

1. All radii are measured to face of curb.
2. No catch basins will be constructed in the intersection radii.
3. 30' radii will be required at intersections of all collector to residential streets.
20' radii will be required at intersections of all residential to residential streets.

SECTION A-A



STANDARD DETAIL

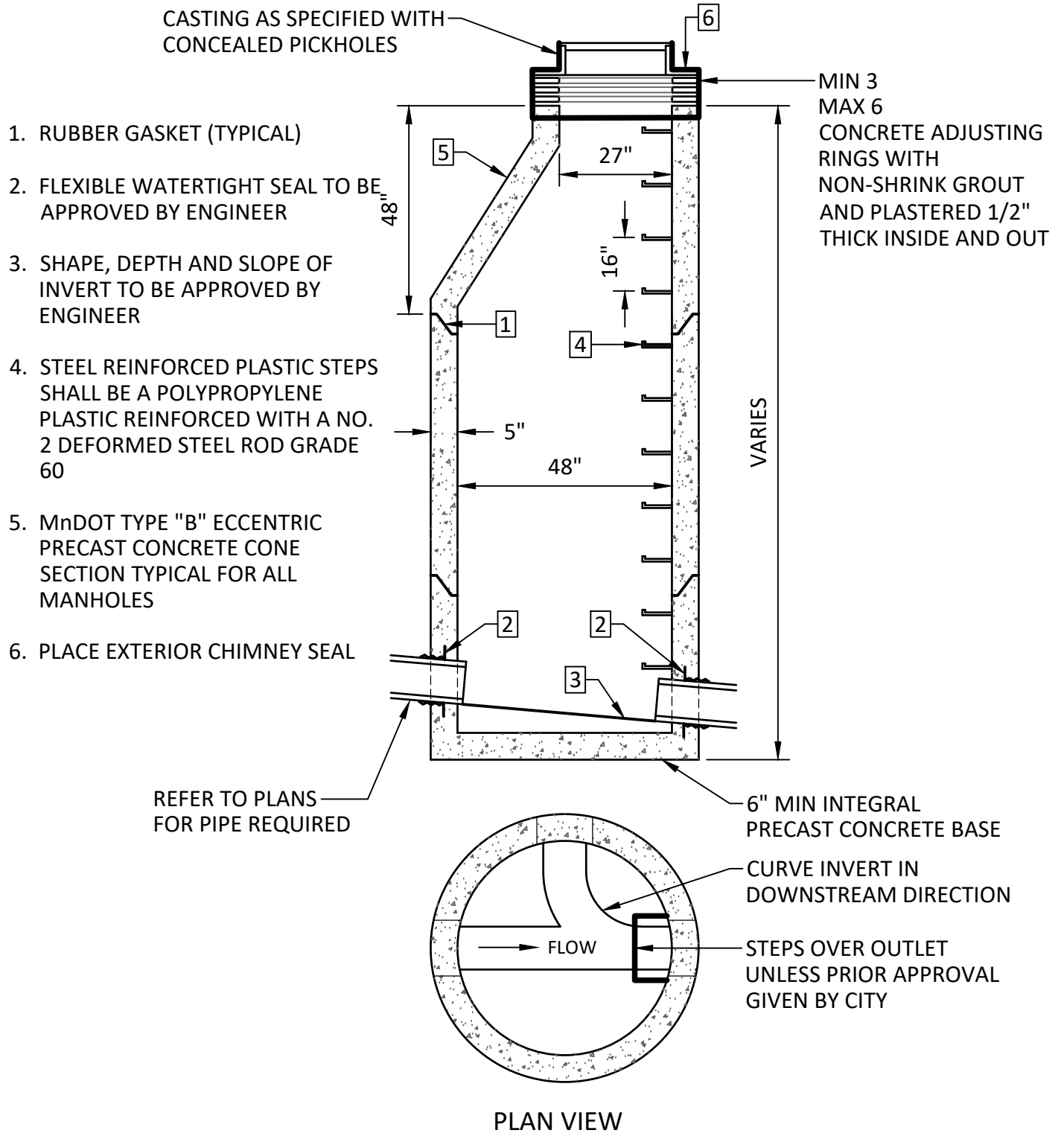
CONCRETE CURB & GUTTER TRANSITION & CATCH BASIN LOCATION

CITY OF JORDAN

STANDARD DETAIL

NO. 4017J

DATE MARCH 2025



STANDARD DETAIL

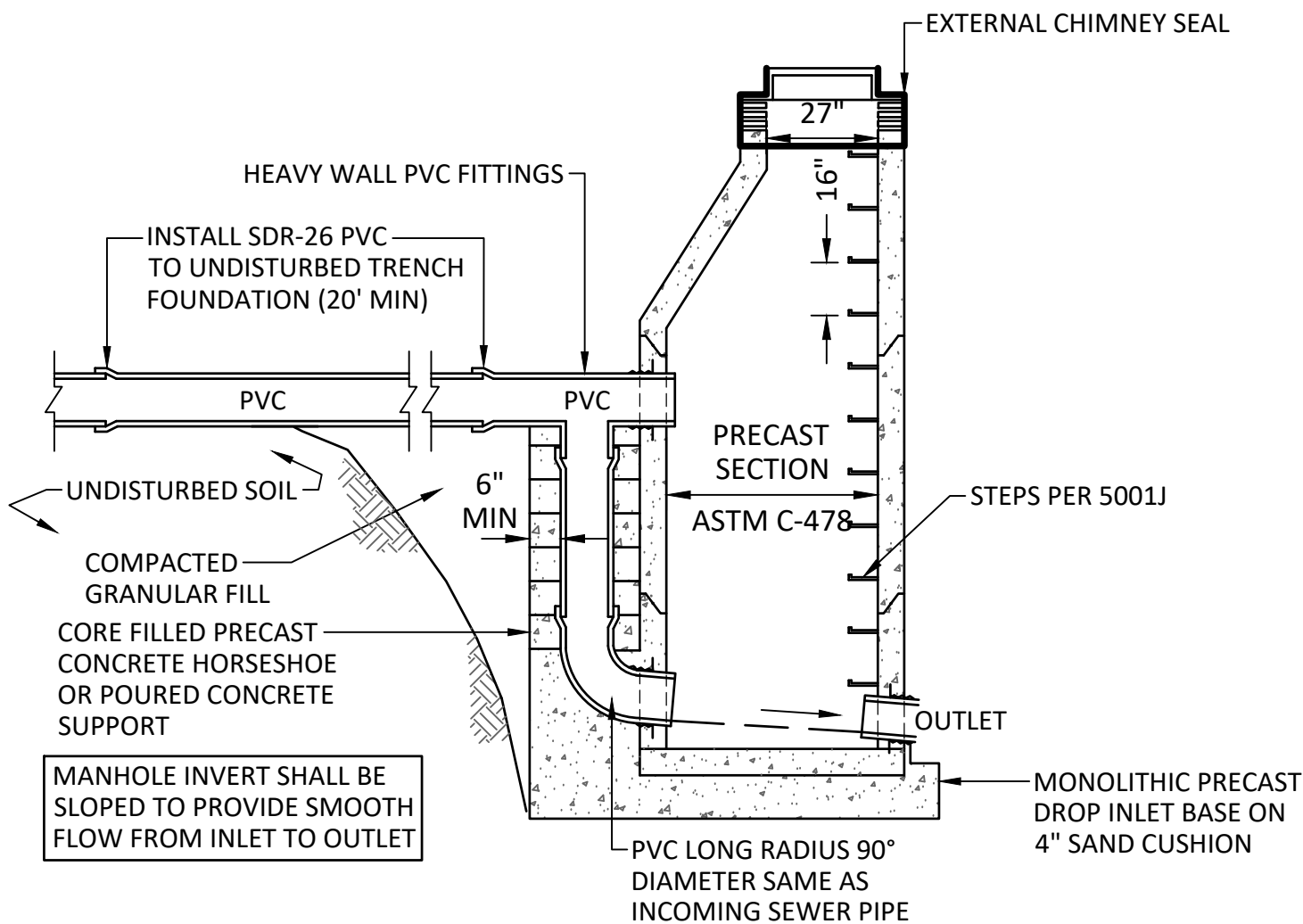
SANITARY SEWER MANHOLE

CITY OF JORDAN

STANDARD DETAIL

NO. 5001J

DATE MARCH 2025

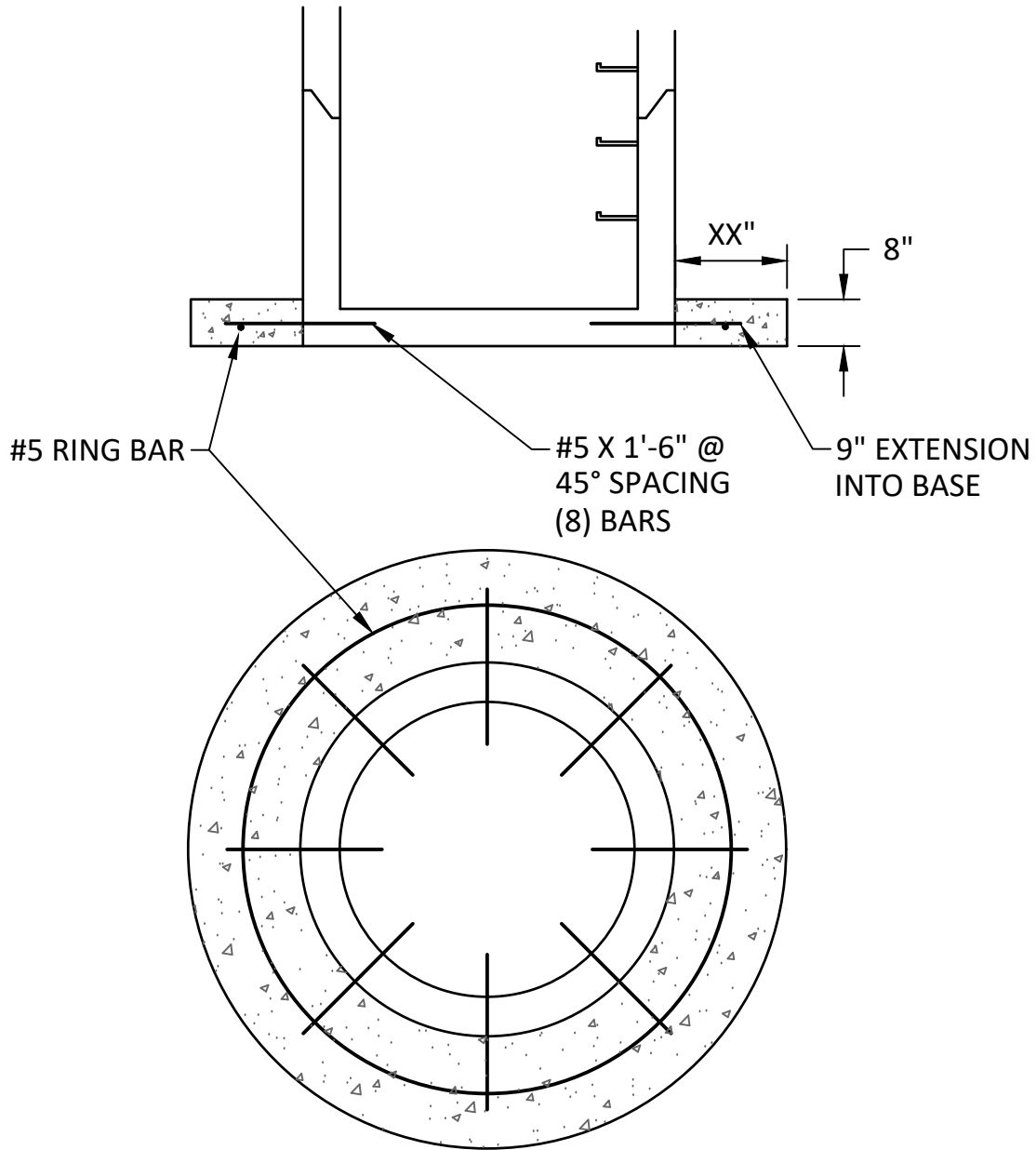


NOTE:
 1. REQUIREMENTS OF THIS DETAIL
 ARE IN ADDITION TO THOSE OF 5001J.



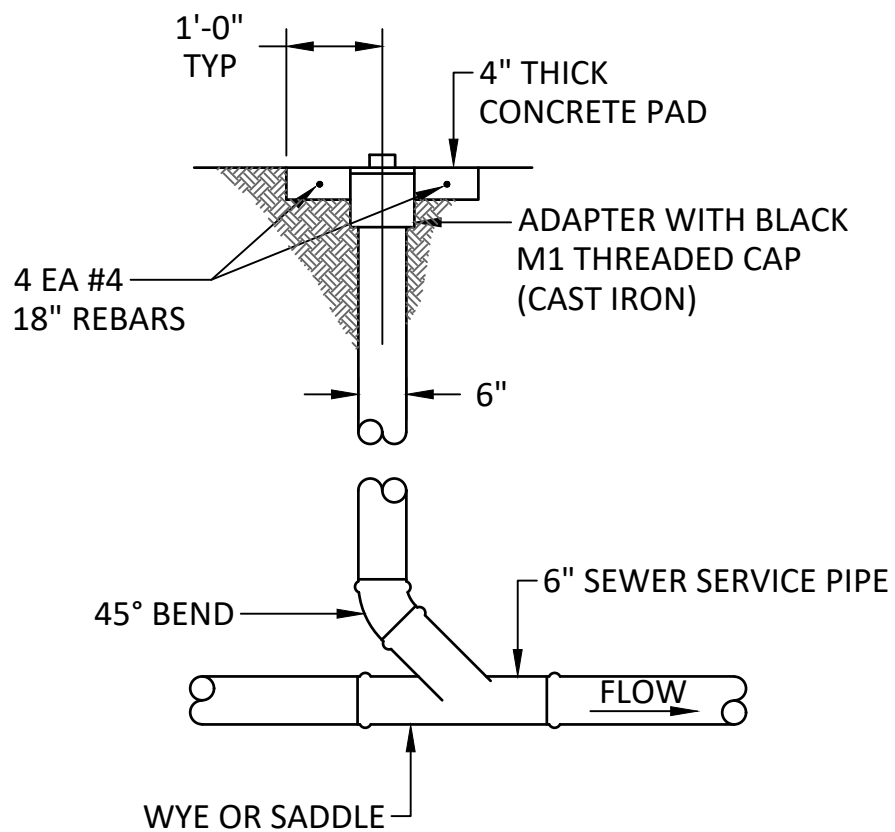
STANDARD DETAIL	
SANITARY SEWER DROP MANHOLE	
CITY OF JORDAN	

STANDARD DETAIL
NO. <u>5002J</u>
DATE <u>MARCH 2025</u>



STANDARD DETAIL
MANHOLE ANIT-BUOYANCY COLLAR
CITY OF JORDAN

STANDARD DETAIL
 NO. 5003J
 DATE MARCH 2025



STANDARD DETAIL

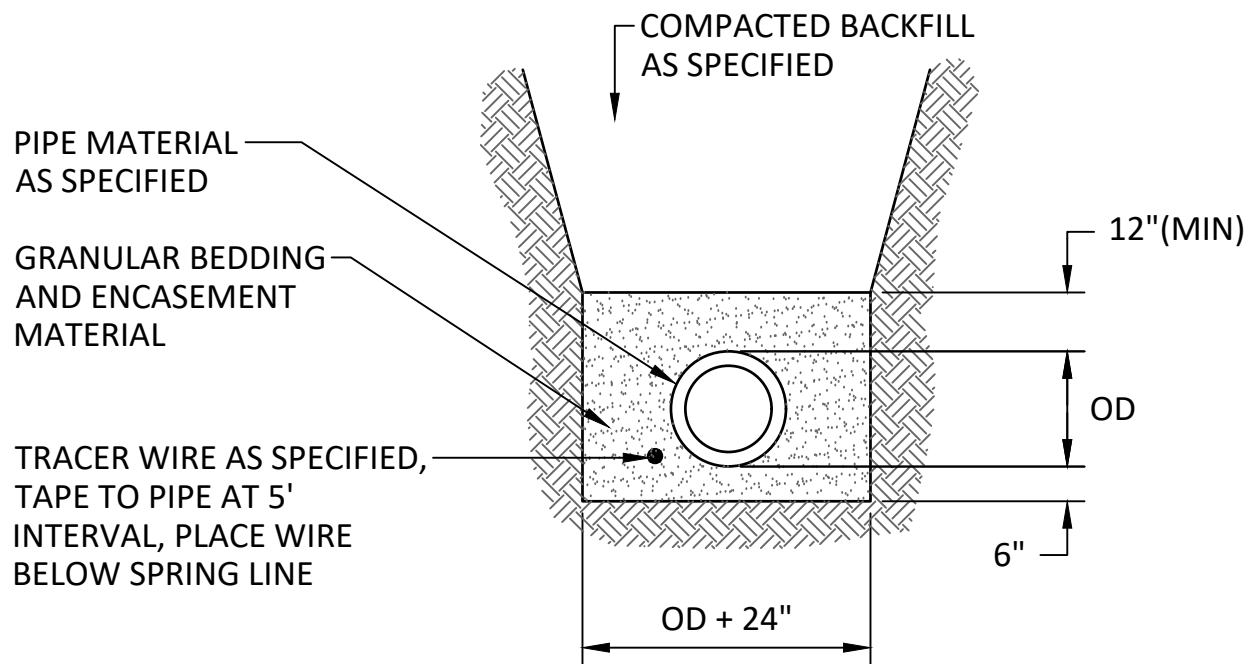
SANITARY SEWER SERVICE CLEANOUT

CITY OF JORDAN

STANDARD DETAIL

NO. 5004J

DATE MARCH 2025



STANDARD DETAIL

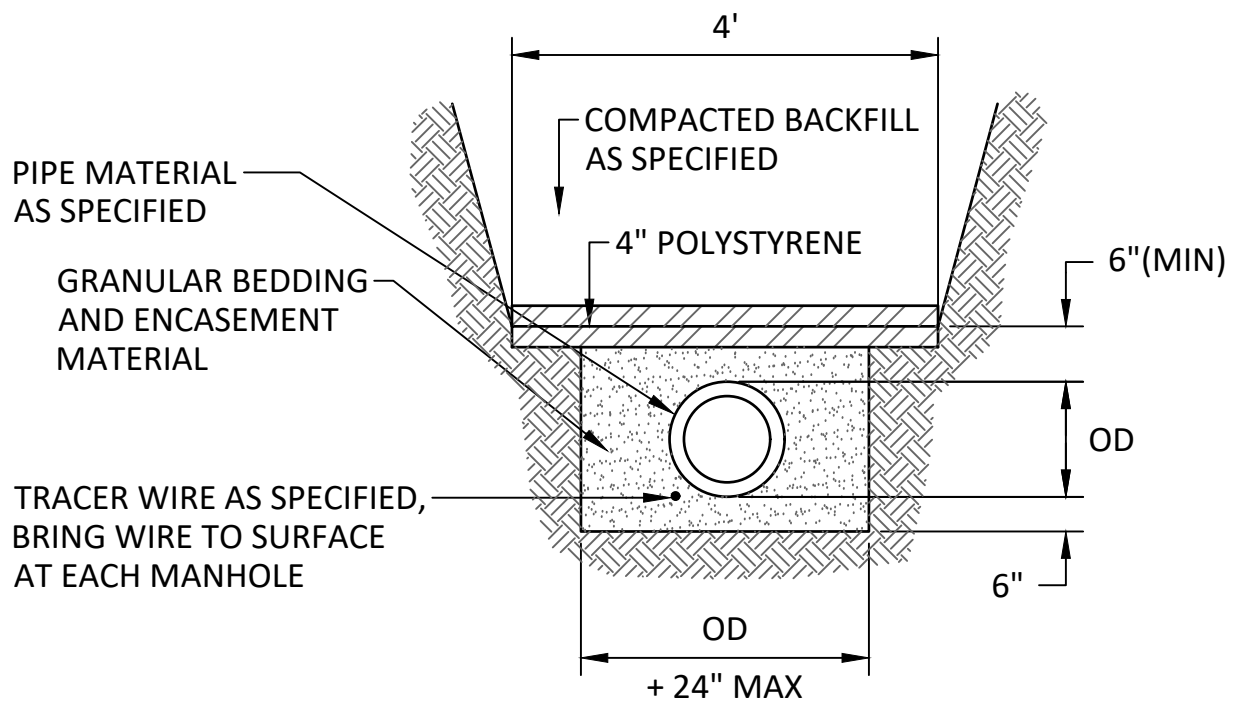
NON-RIGID SANITARY SEWER TRENCH

CITY OF JORDAN

STANDARD DETAIL

NO. 5005J

DATE MARCH 2025



NOTE:

1. INSULATION REQUIRED WHERE SANITARY SEWER INVERT DEPTH IS LESS THAN 7'.



STANDARD DETAIL

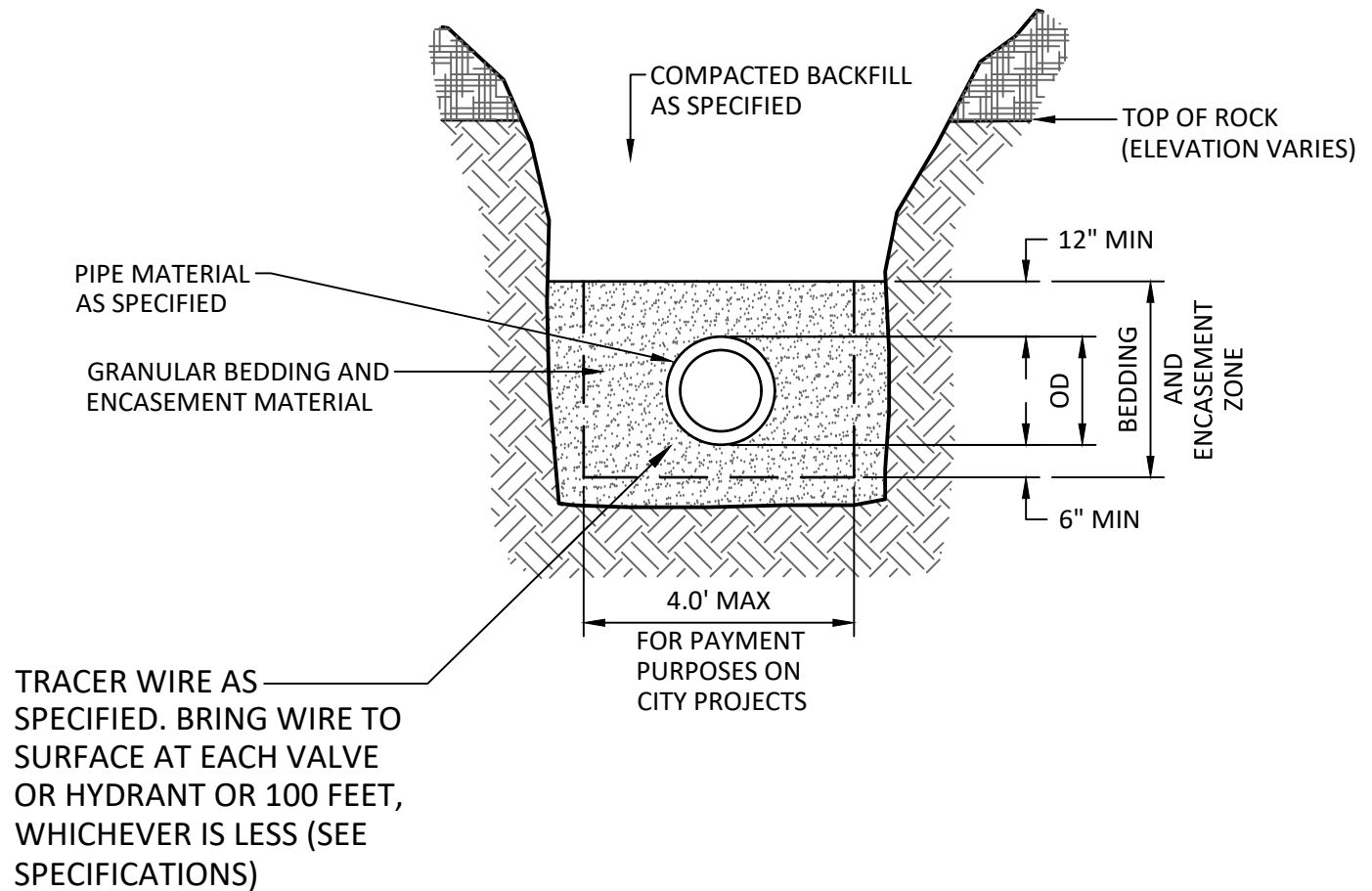
INSULATION FOR NON-RIGID SANITARY SEWER

CITY OF JORDAN

STANDARD DETAIL

NO. 5006J

DATE MARCH 2025



STANDARD DETAIL

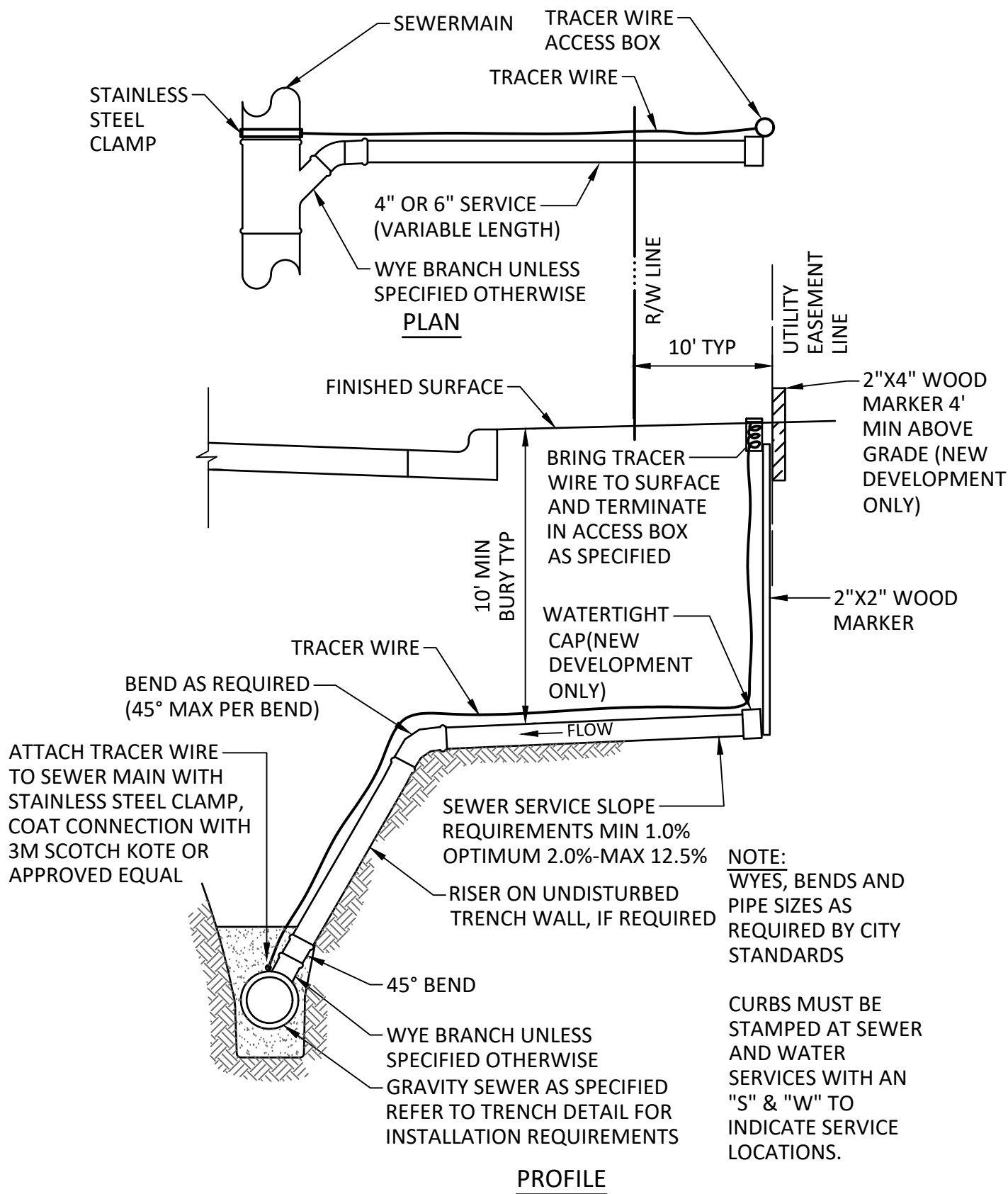
ROCK EXCAVATION FOR SANITARY SEWER

CITY OF JORDAN

STANDARD DETAIL

NO. 5007J

DATE MARCH 2025



STANDARD DETAIL

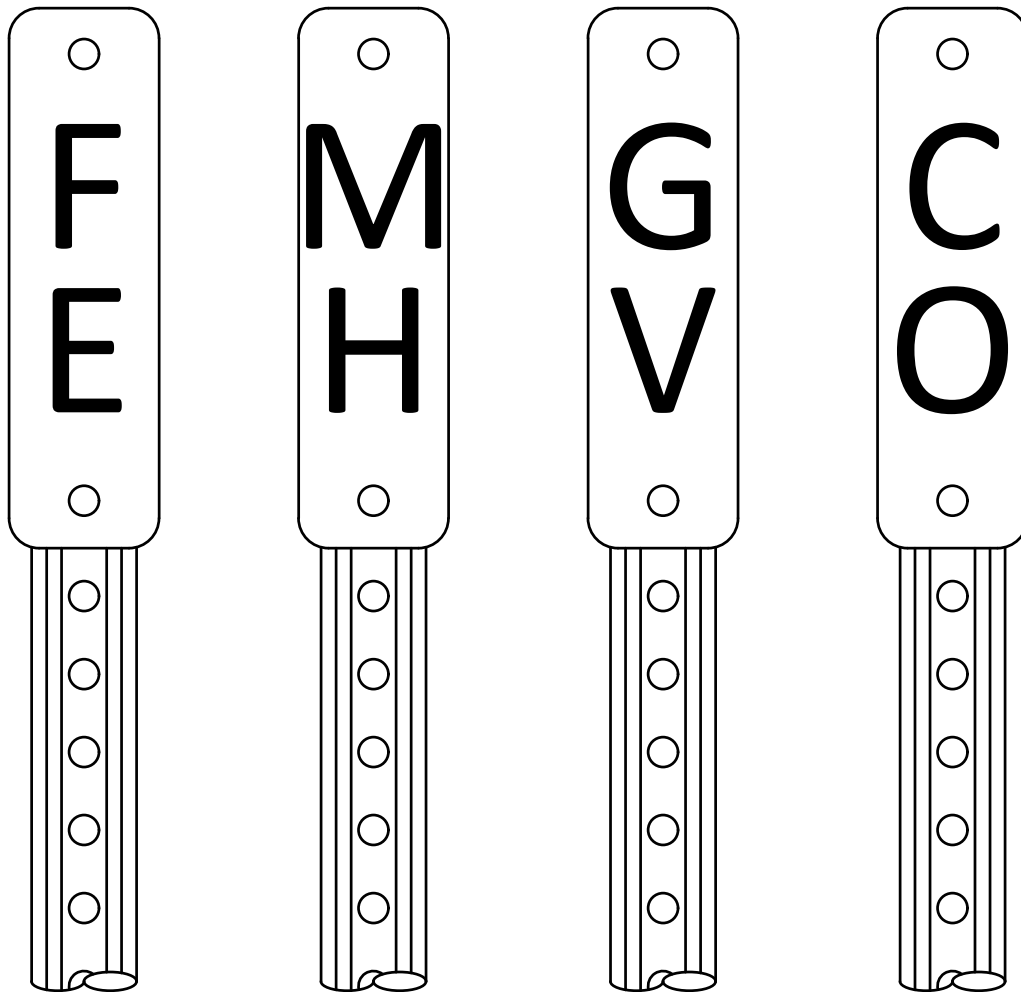
SANITARY SEWER SERVICE

CITY OF JORDAN

STANDARD DETAIL

NO. 5008J

DATE MARCH 2025



NOTES:

1. 0.063" THICK ALUMINUM SIGN. BLACK LETTERS ON WHITE HIGH INTENSITY REFLECTORIZED BACKGROUND.
2. U-CHANNEL POST, MINIMUM 3 LB/FT 6'-6" LONG, PAINTED GREEN.
3. PLACED AT ALL STRUCTURES IN GREEN SPACES, UNLESS OTHERWISE DIRECTED BY CITY.



STANDARD DETAIL
STRUCTURE MARKER SIGNS
CITY OF JORDAN

STANDARD DETAIL
 NO. 5009J
 DATE MARCH 2025

NOTES:

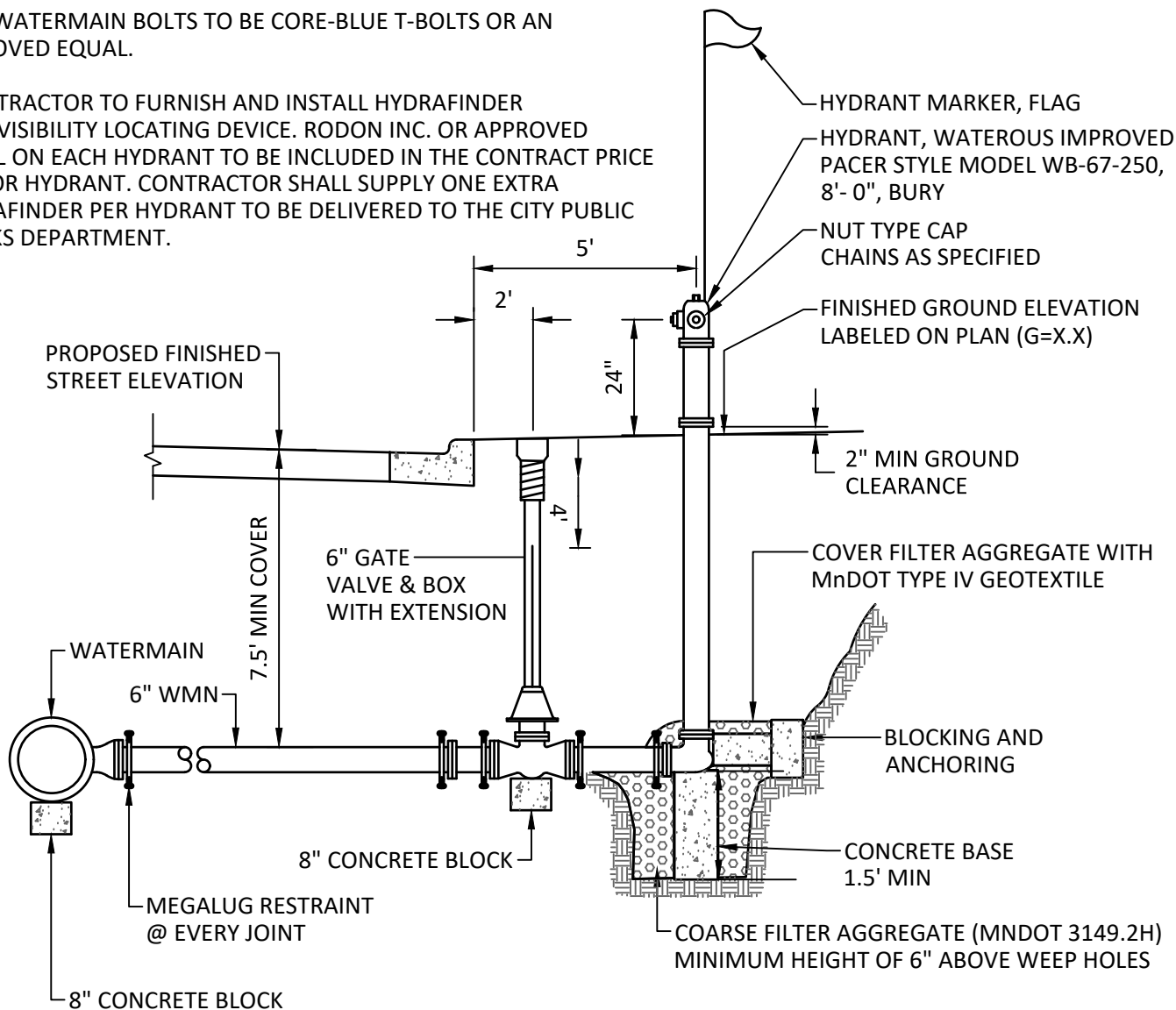
-HYDRANT & GATE VALVE TO BE TIED TO WATERMAIN WITH METAL RESTRAINING TIE RODS OR MEGA LUGS MAY BE USED IN LIEU OF RODS. ALL BLOCKING SHALL BE INSTALLED ACCORDING TO DETAIL BELOW.

- ALL HYDRANTS SHALL HAVE THE BRASS PIPE PLUGS REMOVED TO ALLOW SELF DRAINING OF THE HYDRANT. HYDRANTS LOCATED WHERE THERE IS HIGH GROUND WATER LEVEL OR OTHER CONDITIONS WHICH PREVENT THE HYDRANT FROM DRAINING SHALL HAVE THE BRASS PIPE PLUGS INSTALLED. A "NO-DRAIN" TAG SHALL BE INSTALLED AND THE PUMPER CONNECTION PAINTED BLACK.

-ALL HYDRANTS SHALL BE GIVEN ONE ADDITIONAL COAT OF PAINT AFTER INSTALLATION. ALL ABRASED SURFACES SHALL BE CLEANED PRIOR APPLICATION OF FINAL COAT. ALL AT NO ADDITIONAL COMPENSATION. PAINT TO BE APPROVED BY THE CITY ENGINEER BEFORE APPLYING.

- ALL WATERMAIN BOLTS TO BE CORE-BLUE T-BOLTS OR AN APPROVED EQUAL.

- CONTRACTOR TO FURNISH AND INSTALL HYDRAFINDER HIGH-VISIBILITY LOCATING DEVICE. RODON INC. OR APPROVED EQUAL ON EACH HYDRANT TO BE INCLUDED IN THE CONTRACT PRICE BID FOR HYDRANT. CONTRACTOR SHALL SUPPLY ONE EXTRA HYDRAFINDER PER HYDRANT TO BE DELIVERED TO THE CITY PUBLIC WORKS DEPARTMENT.

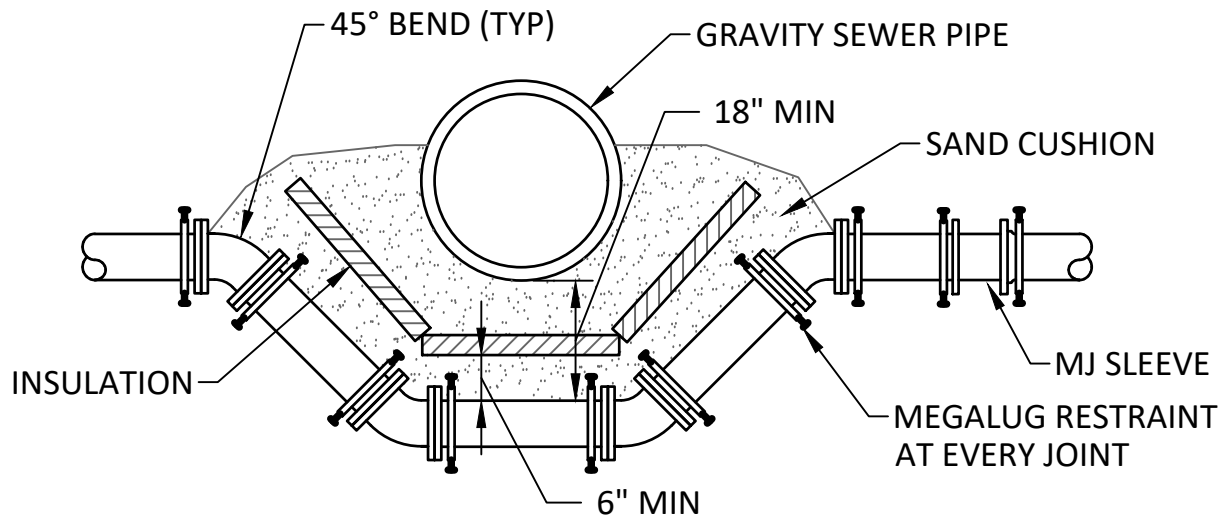


HYDRANTS LOCATED WHERE THE GROUNDWATER TABLE IS ABOVE THE DRAIN OUTLET SHALL HAVE THE OUTLET DRAIN PLUGGED AND SHALL BE EQUIPPED WITH A TAG STATING "PUMP AFTER USE"



STANDARD DETAIL HYDRANT INSTALLATION CITY OF JORDAN

STANDARD DETAIL
NO. 6001J
DATE MARCH 2025



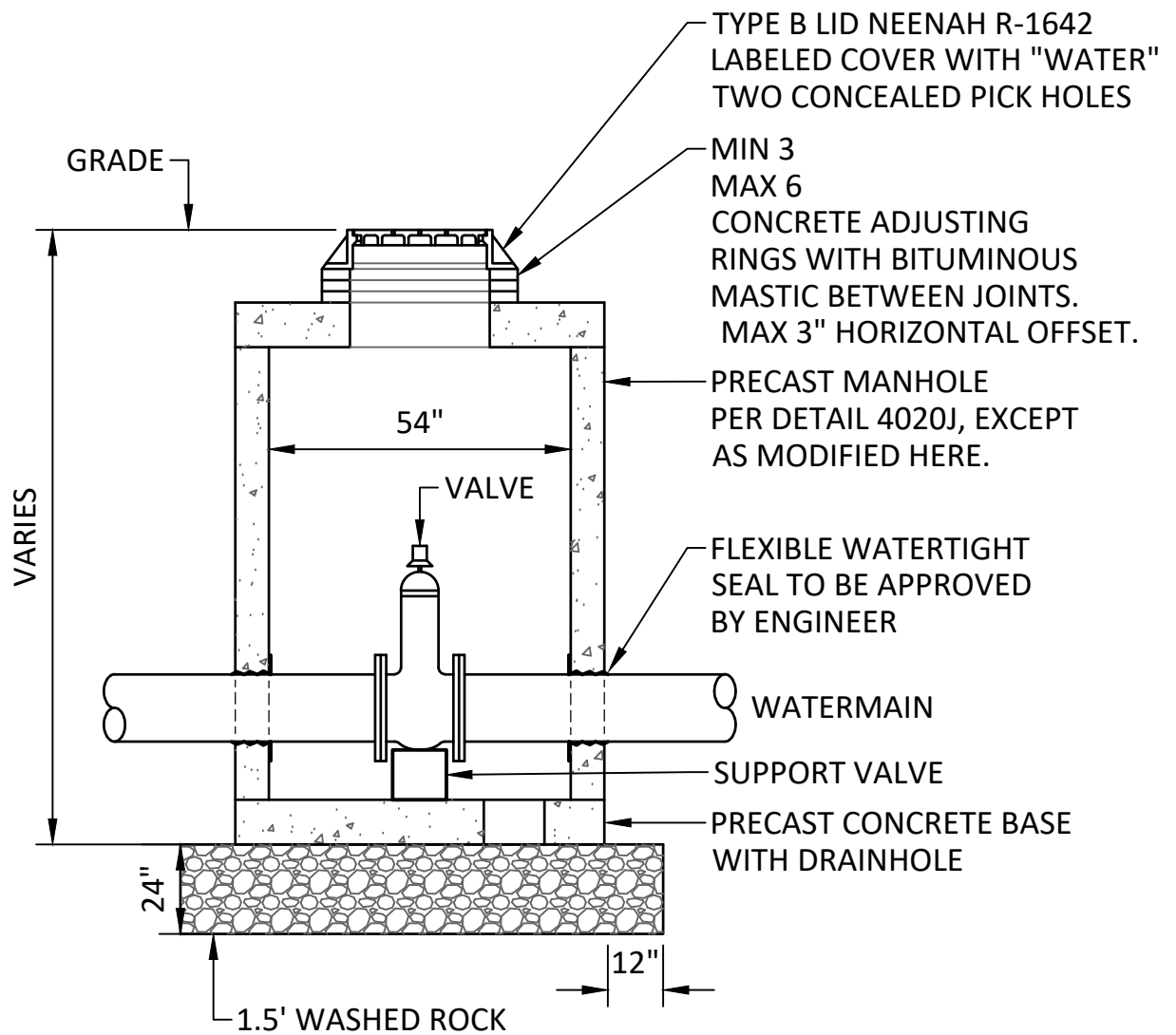
NOTES:

1. PROVIDE MEGALUG RESTRAINT AT JOINT ON BENDS AND AS SHOWN THIS DETAIL
2. COAT ALL ANCHORAGE AS PER SPECS
3. PROVIDE SAND CUSHION BETWEEN TOP OF WATERMAIN AND BOTTOM OF SEWER PIPE, MIN DIMENSIONS AS SHOWN THIS DETAIL (INCIDENTAL)
4. INSULATION TO BE 2" THICK POLYSTYRENE
5. VERTICAL BENDS WILL NOT BE PERMITTED UNLESS PRIOR APPROVED BY THE CITY ENGINEER.



**STANDARD DETAIL
WATERMAIN OFFSET
CITY OF JORDAN**

STANDARD DETAIL
NO. 6002J
DATE MARCH 2025



NOTE:

1. WATER VALVE MANHOLES TO BE REQUIRED AT ALL PRV LOCATIONS.
2. SUBMIT MANHOLE AND PRV DESIGN TO CITY ENGINEER FOR REVIEW AND APPROVAL.



STANDARD DETAIL

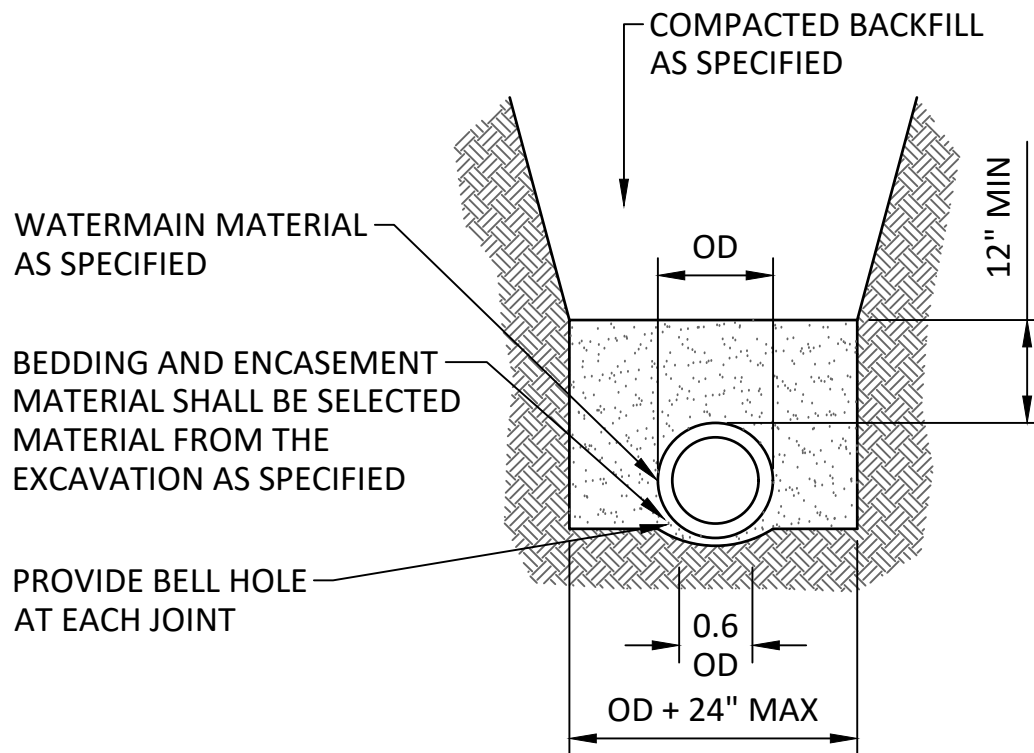
WATER VALVE MANHOLE

CITY OF JORDAN

STANDARD DETAIL

NO. 6003J

DATE MARCH 2025

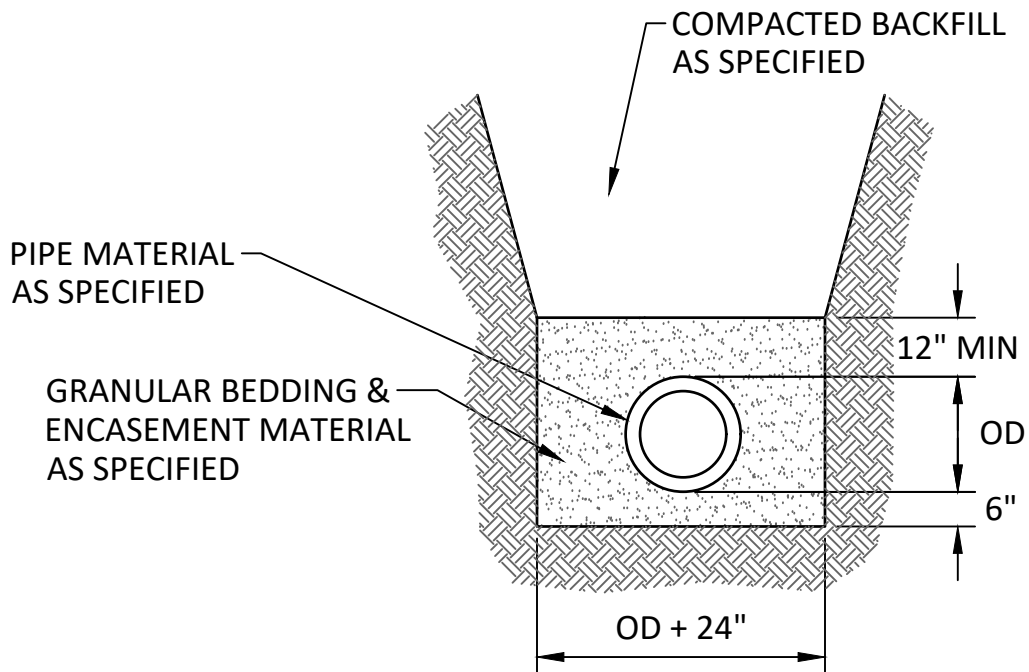


NOTE: ALL WATERMAIN BOLTS SHALL
BE CORE-BLUE T-BOLTS OR APPROVED EQUAL.



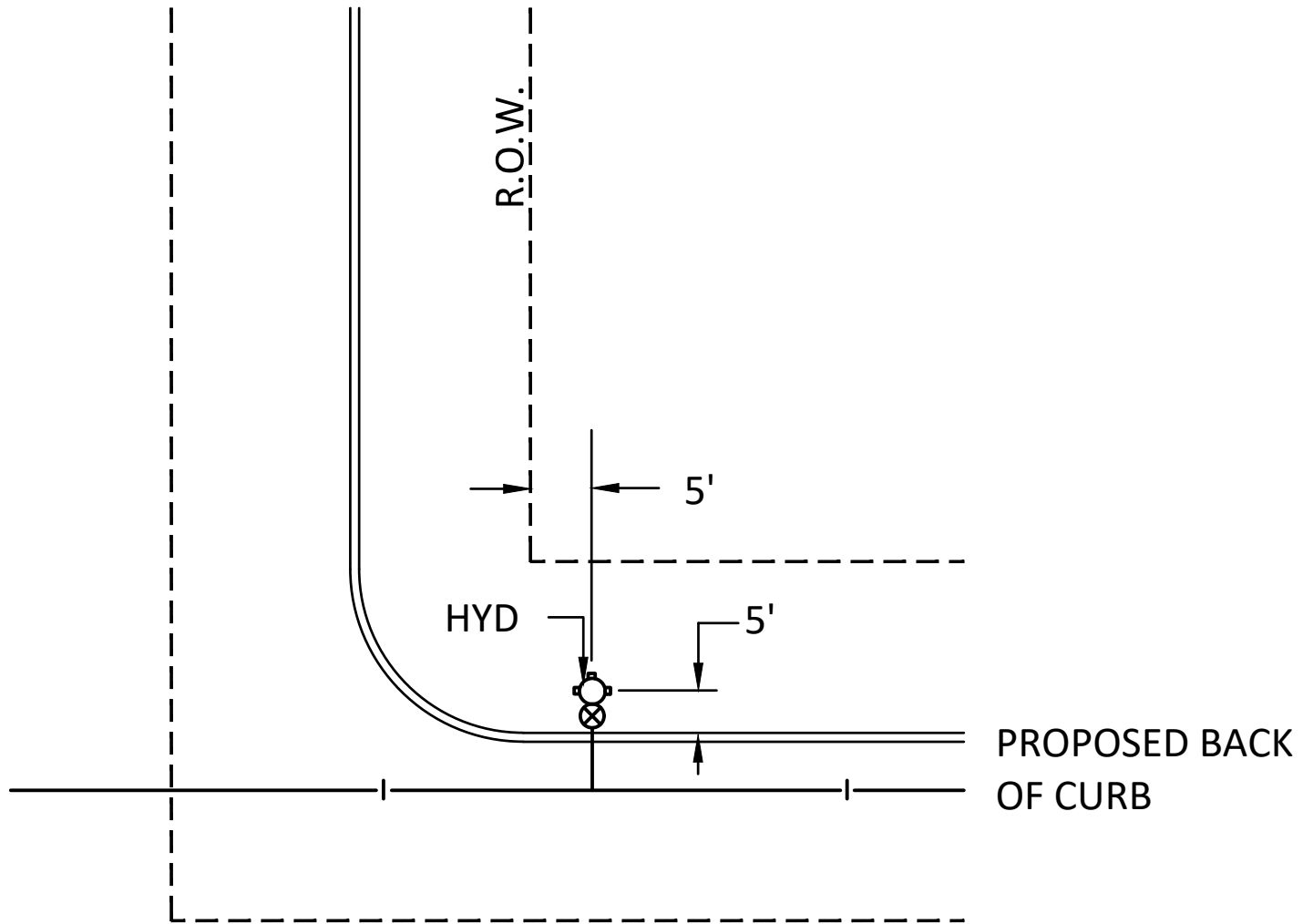
STANDARD DETAIL
DUCTILE IRON WATERMAIN TRENCH
CITY OF JORDAN

STANDARD DETAIL
NO. 6004J
DATE MARCH 2025



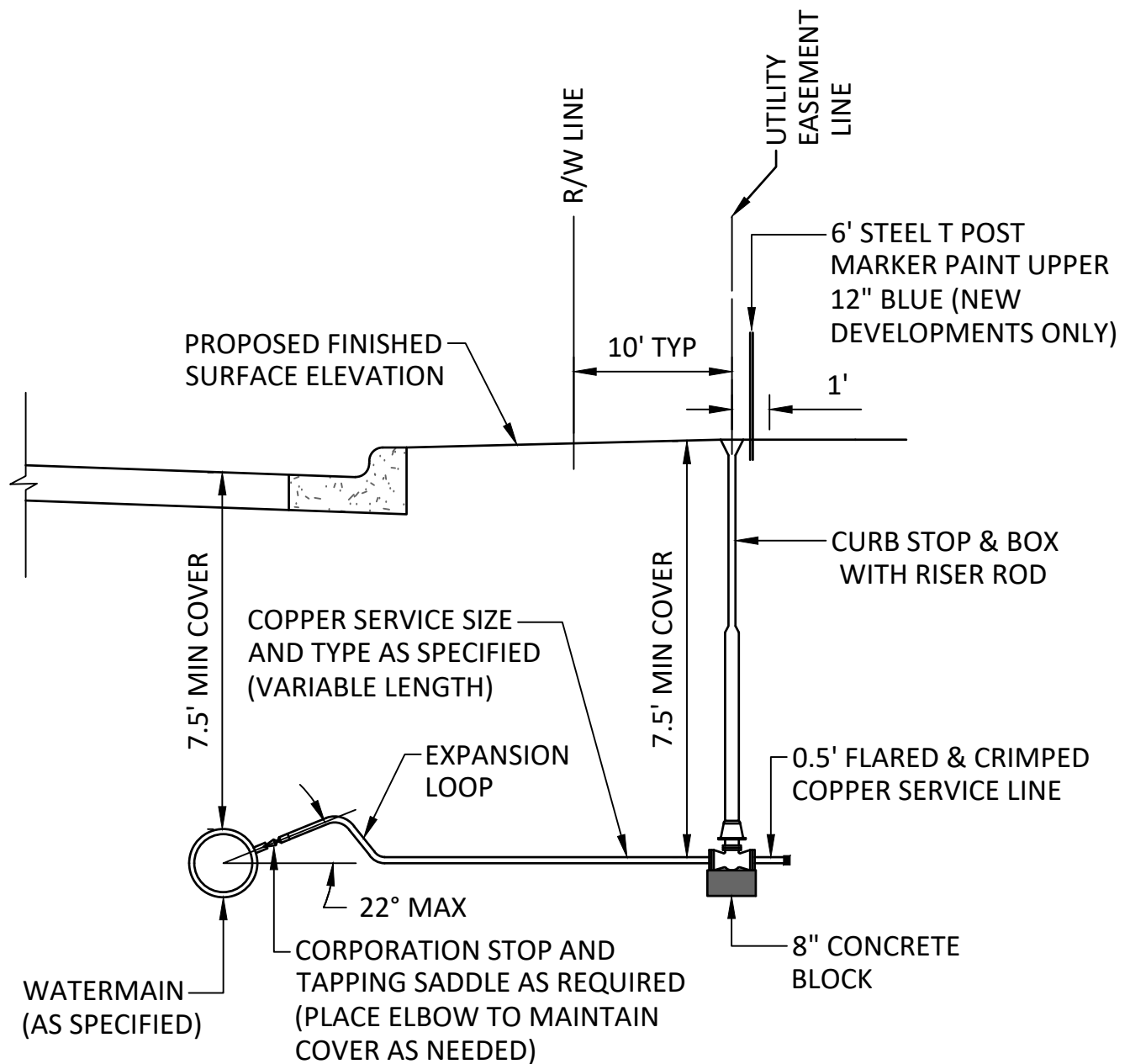
STANDARD DETAIL
PVC WATERMAIN TRENCH
CITY OF JORDAN

STANDARD DETAIL
NO. 6005J
DATE MARCH 2025



**STANDARD DETAIL
HYDRANT LOCATION
CITY OF JORDAN**

STANDARD DETAIL
NO. 6006J
DATE MARCH 2025



NOTE:

IN NEW DEVELOPMENTS THE WATER SERVICE SHALL BE INSTALLED UPSTREAM OF THE SANITY SEWER SERVICE, AS DETERMINED BASED ON THE DIRECTION OF THE FLOW IN THE CITY'S SANITARY SEWER MAIN.

CURBS MUST BE STAMPED AT SEWER AND WATER SERVICES WITH AN "S" & "W" TO INDICATE SERVICE LOCATIONS.

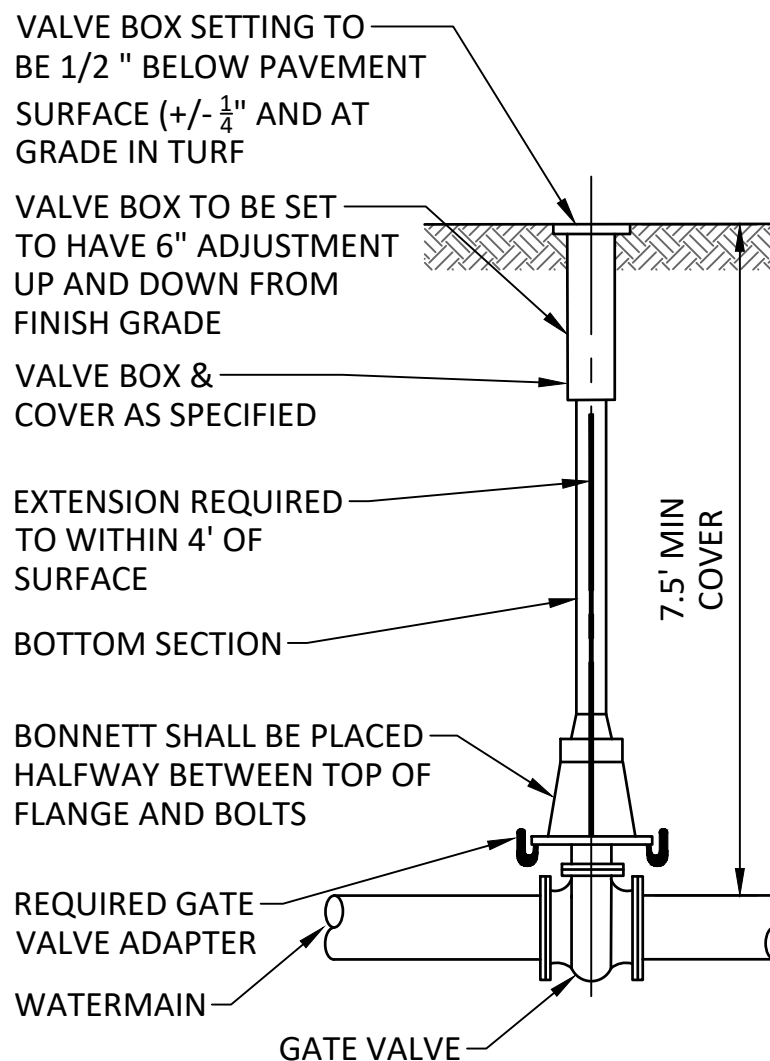


STANDARD DETAIL
WATER SERVICE INSTALLATION
CITY OF JORDAN

STANDARD DETAIL
NO. 6007J
DATE MARCH 2025

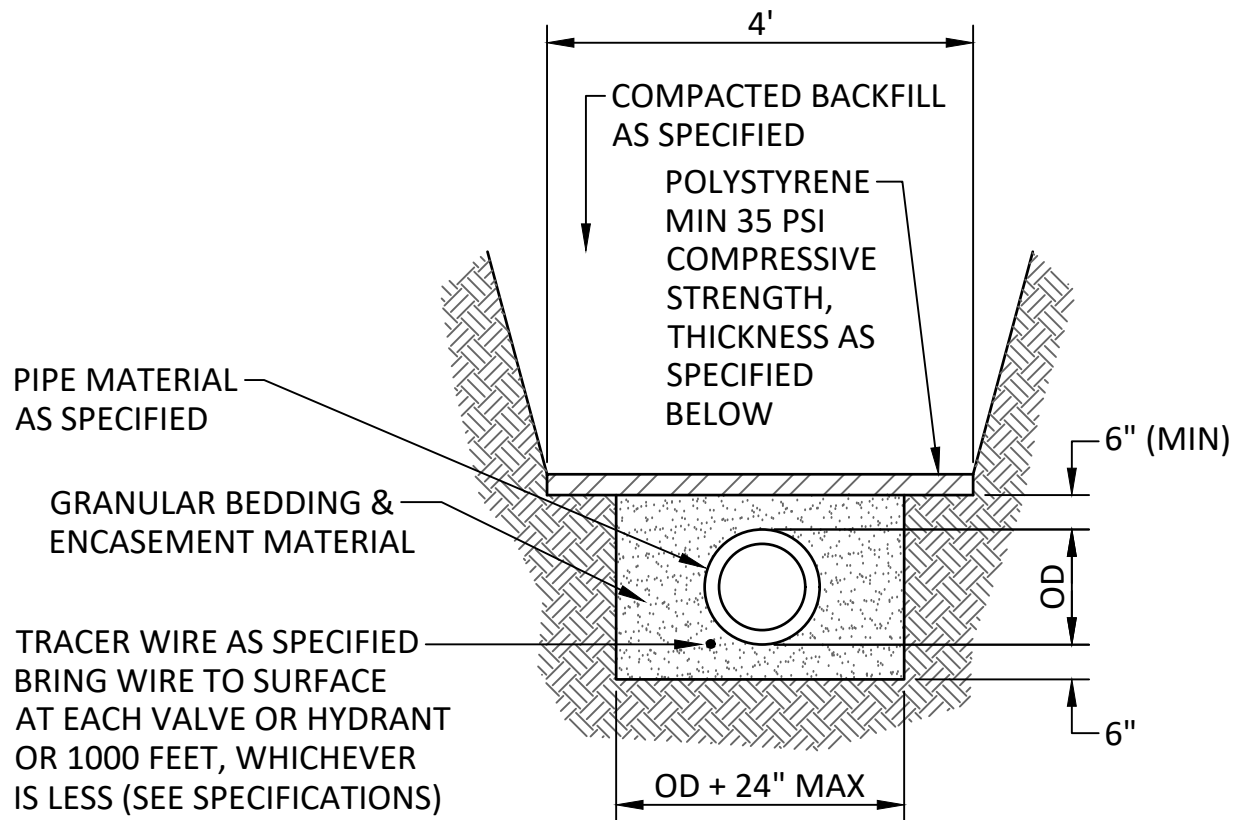
NOTES:

1. VALVE BOX SHALL BE CENTERED ON OPERATING NUTS, STRAIGHT, FREE FROM DEBRIS, AND ALL SECTIONS UNBROKEN
2. VALVES IN EASEMENTS SHALL HAVE CHANNEL POST WITNESS MARKERS WITH REFLECTIVE "GV" SIGN
3. VALVE NUT EXTENSIONS ARE REQUIRED TO BE INSTALLED WITHIN 4' OF THE SURFACE ELEVATION; BOTTOM NUT MUST NOT BE BOLTED TO VALVE NUT.
4. COMPACTION WITH MECHANICAL TAMPER AROUND VALVE BOX SHALL BE PLACED AND COMPACTED WITH 2' LIFTS TO ACHIEVE 95% COMPACTION
5. GATE VALVES LOCATED WITHIN THE CONCRETE SIDEWALK SHALL INCLUDE A METAL SEPARATOR BETWEEN THE VALVE BOX AND THE CONCRETE



STANDARD DETAIL
GATE VALVE AND BOX INSTALLATION
CITY OF JORDAN

STANDARD DETAIL
NO. 6008J
DATE MARCH 2025



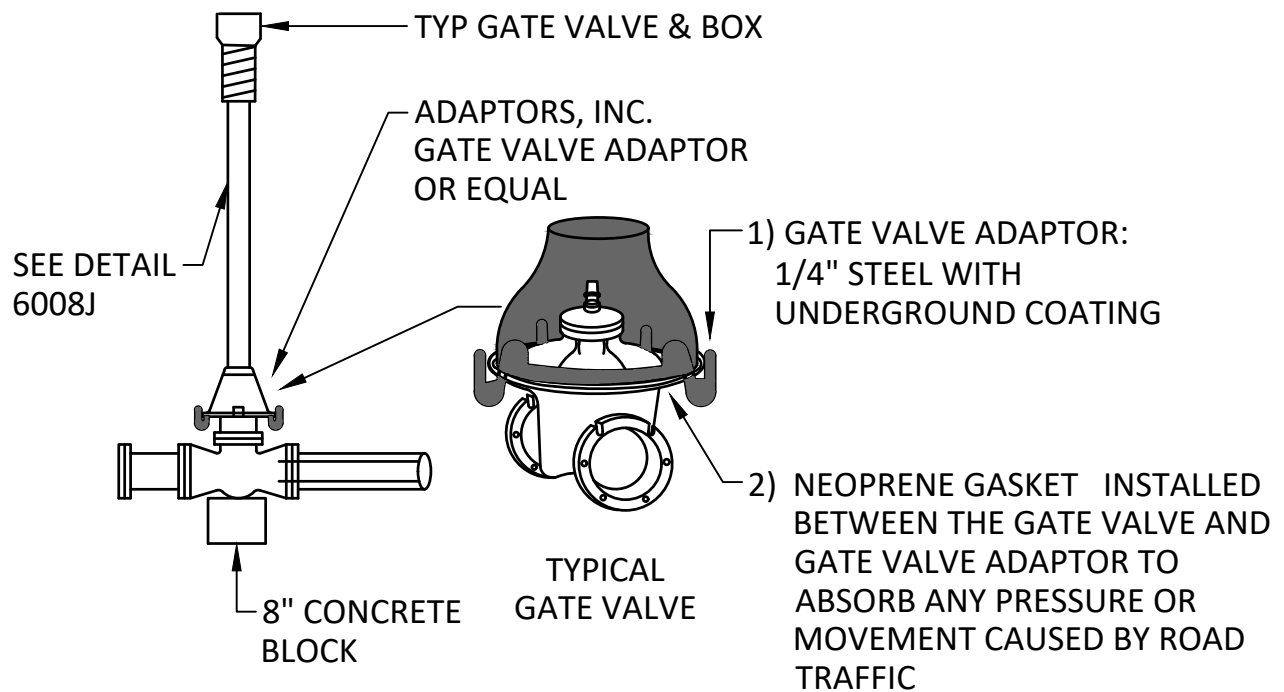
"D" DEPTH OF PIPE	"W" WIDTH OF INSULATION	"T" THICKNESS OF INSULATION
2'	12'	4'
3'	10'	4'
4'	8'	4'
5'	6'	4'
6'	4'	4'
7'	4'	4'

ALL INSULATION SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 35 P.S.I.



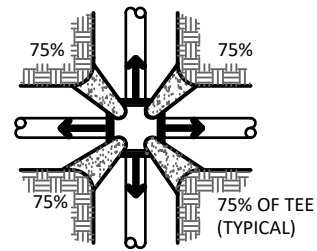
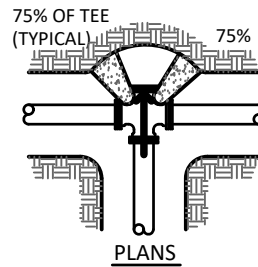
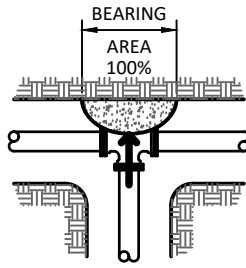
STANDARD DETAIL
WATERMAIN INSULATION
CITY OF JORDAN

STANDARD DETAIL
NO. 6009J
DATE MARCH 2025

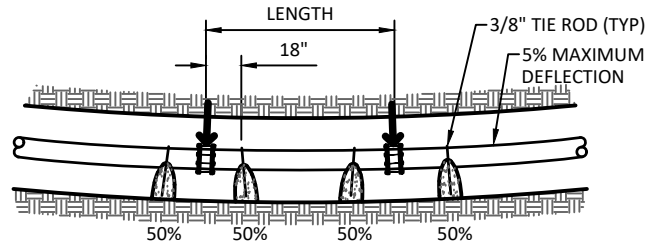
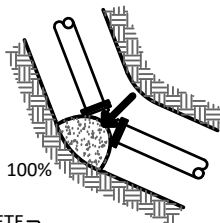
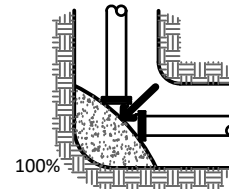
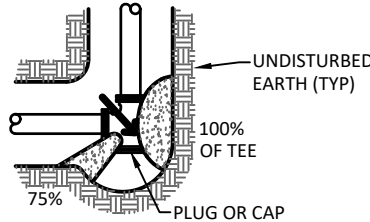
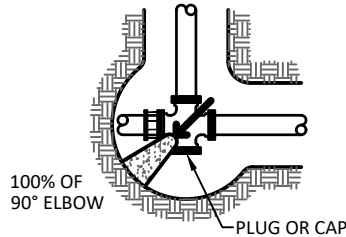


STANDARD DETAIL
GATE VALVE ADAPTOR
CITY OF JORDAN

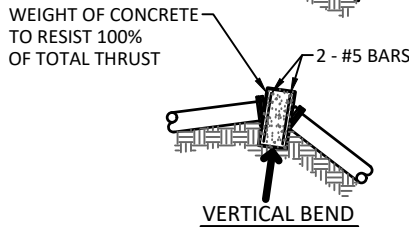
STANDARD DETAIL
NO. 6010J
DATE MARCH 2025



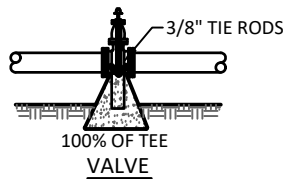
PLANS



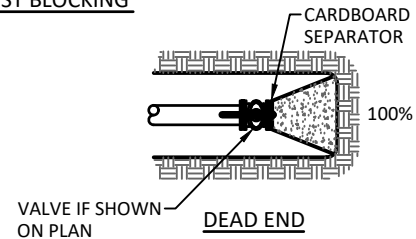
CURVE THRUST BLOCKING



VERTICAL BEND



VALVE



DEAD END

100% BEARING AREA (SQ FT)

PIPE SIZE	DEAD END OR TEE	90° ELBOW	45° ELBOW	22 1/2° ELBOW
4	2.4	3.4	1.9	0.9
6	4.9	6.9	3.8	1.9
8	8.4	11.8	6.4	3.4
10	13.7	19.3	10.5	5.4
12	19.4	27.3	14.9	7.7
14	26.3	37.0	20.1	10.3
16	34.0	47.9	26.2	13.3
18	43.9	61.8	33.7	17.2
20	54.3	76.4	41.7	21.2
24	77.9	109.8	59.8	30.5

NOTE:
BEARING AREAS ARE BASED ON 250 LB
MAXIMUM PRESSURE AND SOIL BEARING
STRENGTH OF 2000 LB/SQ FT.

NOTES:

- FIGURE (100%) AT THRUST BLOCK INDICATES PERCENT OF TOTAL THRUST TO BE APPLIED FOR BEARING AREA.
- CONCRETE FOR THRUST BLOCKS TO BE 2000 PSI.
- RESTRAINING RODS ARE REQUIRED AT ALL TEES AND AT BENDS DEFLECTING 22-1/2° OR MORE.
- WRAP THE PIPE WITH POLYETHYLENE WRAPPING PRIOR TO POURING THE THRUST BLOCK.
- SEE SOILS REPORT FOR BEARING STRENGTH OF SOIL. IN ABSENCE OF A SOILS REPORT, AN AVERAGE SOIL (SPADABLE MEDIUM CLAY) CAN BE ASSUMED TO HAVE A BEARING STRENGTH OF 2000 PSI.
- THRUST BLOCKS ARE NOT REQUIRED ON PVC WITH SOLVENT WELDED JOINTS.

ARROWS (→) INDICATE THRUST DIRECTION

SIDE THRUST PER 100 LB/SQ IN PRESSURE PER
DEGREE OF DEFLECTION

PIPE SIZE	SIDE THRUST-LB	PIPE SIZE	SIDE THRUST-LB
4	35	14	377
6	72	16	486
8	122	18	665
10	197	20	790
12	278	24	1150

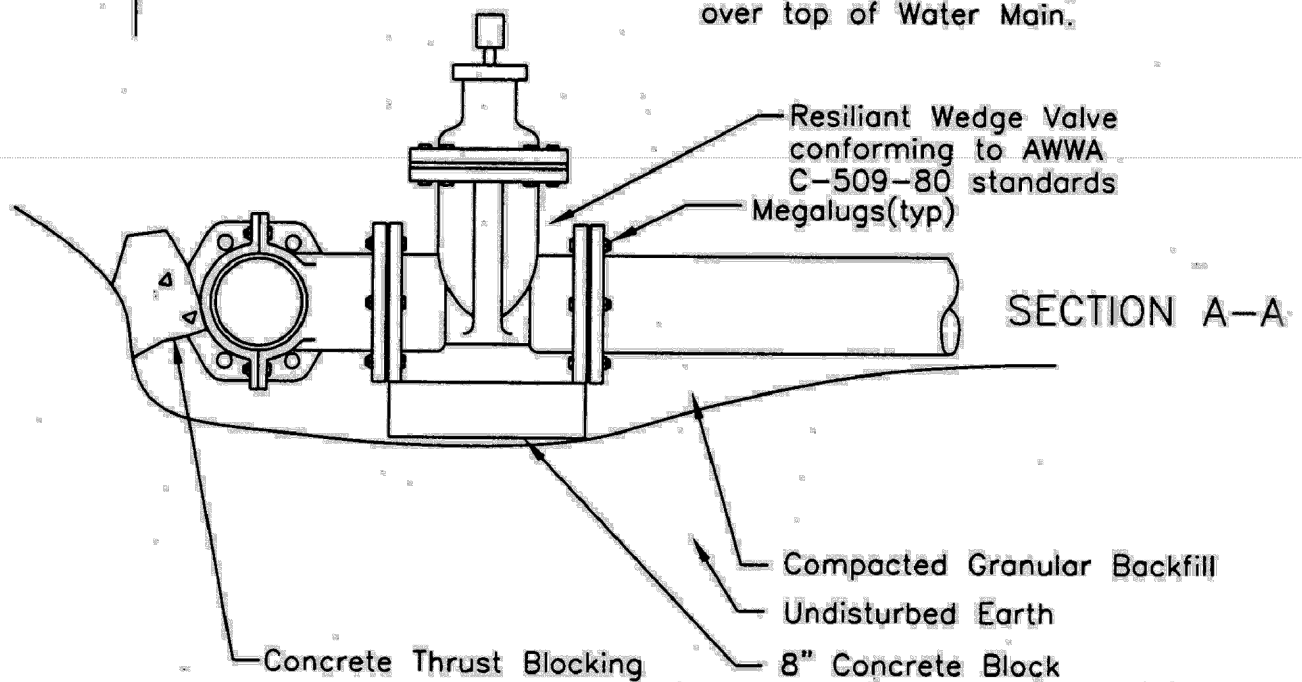
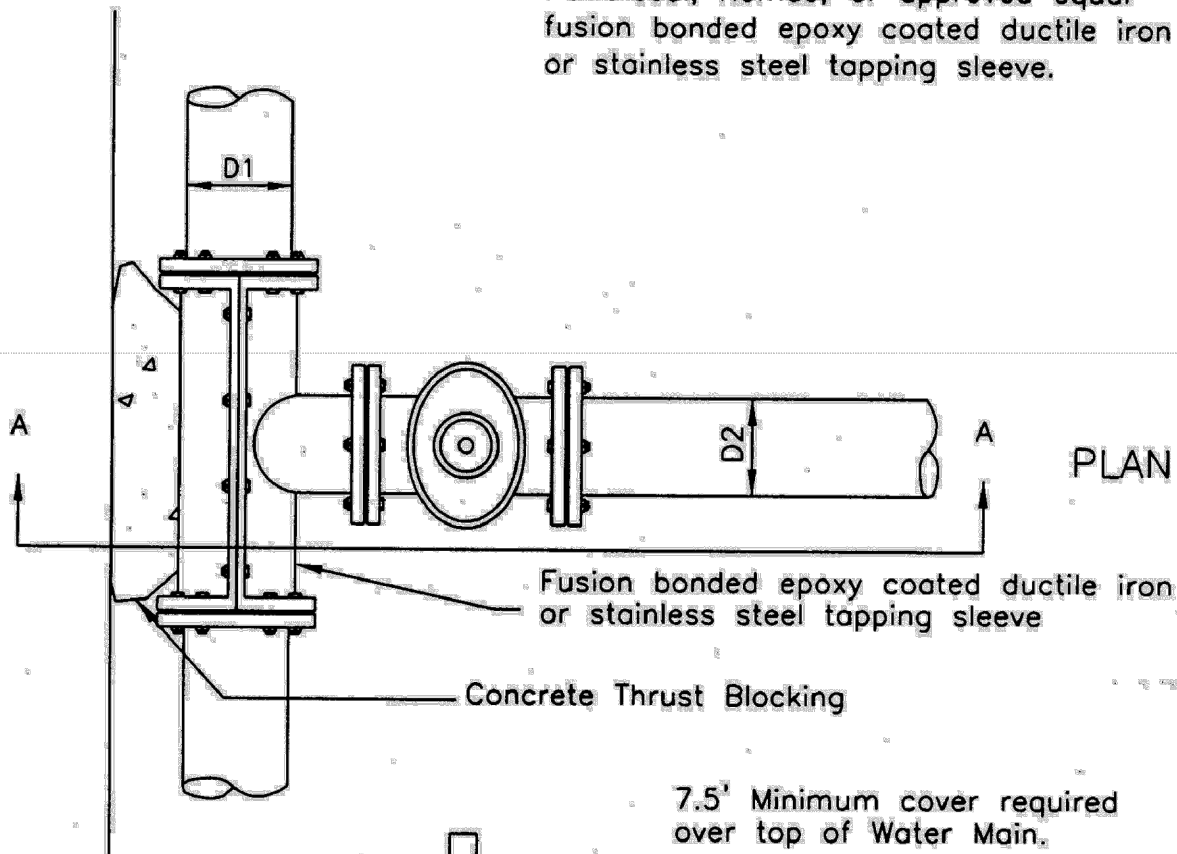
MULTIPLY THRUST BY DEGREE OF DEFLECTION TO
OBTAIN TOTAL THRUST



STANDARD DETAIL
CONCRETE THRUST BLOCKS
CITY OF JORDAN

STANDARD DETAIL
NO. 6011J
DATE MARCH 2025

Powerseal, Romac, or approved equal
fusion bonded epoxy coated ductile iron
or stainless steel tapping sleeve.

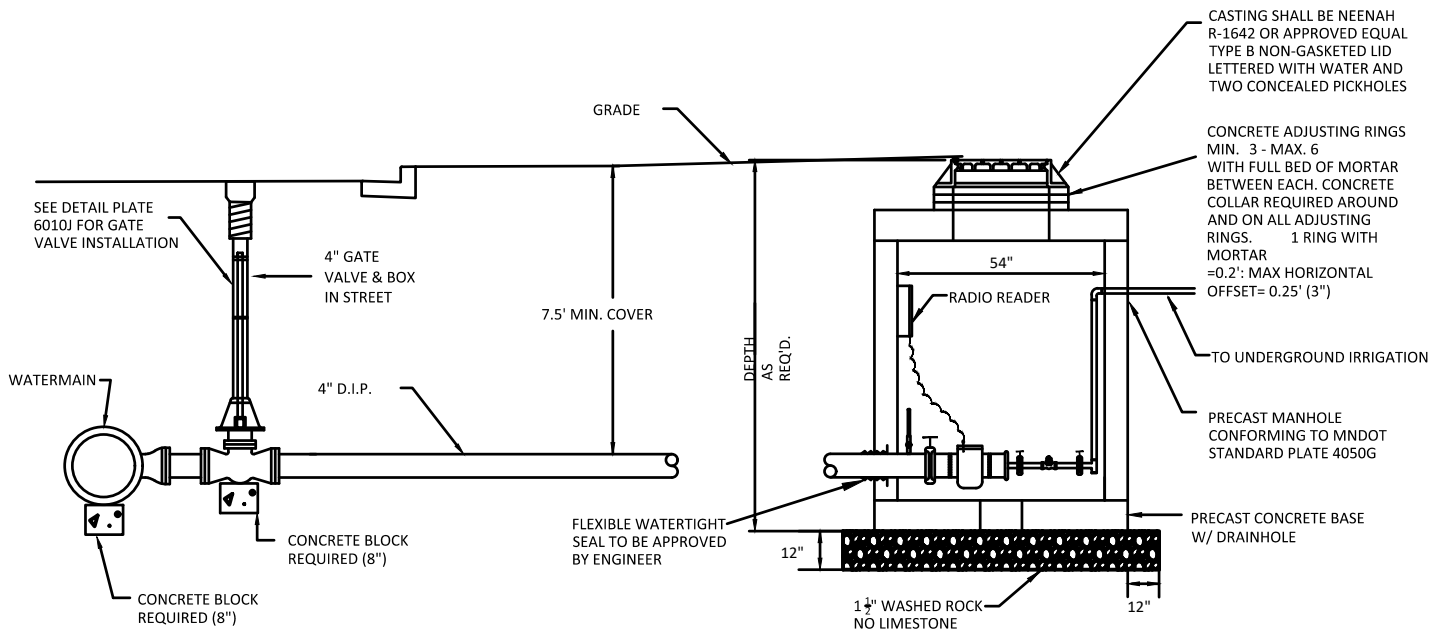


Note: All watermain bolts shall be core-blue or an approved equal



STANDARD DETAIL
WATERMAIN WET TAP
CITY OF JORDAN

STANDARD DETAIL
NO. 6012J
DATE MARCH 2025



NOTE
TO WINTERIZE, REMOVE AND DRAIN
METER, SIPHON WATER FROM FEED
LINE, BLOW OUT IRRIGATION LINES
AND REINSTALL METER.



STANDARD DETAIL

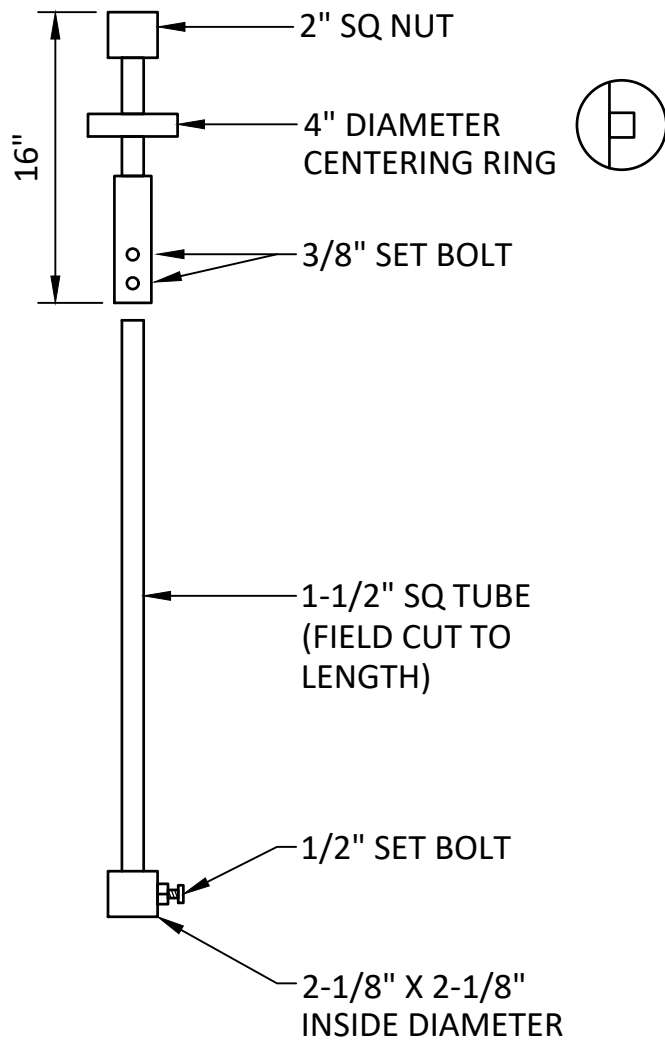
IRRIGATION SYSTEM TAP, METER AND BACKFLOW PREVENTOR ASSEMBLY

CITY OF JORDAN

STANDARD DETAIL

NO. 6013J

DATE MARCH 2025



STANDARD DETAIL

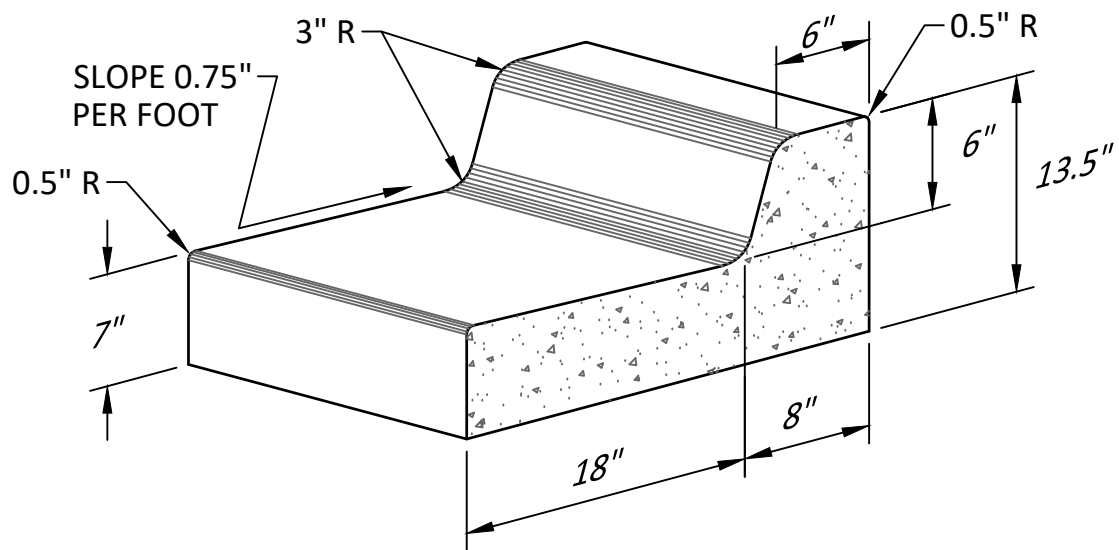
ADJUSTABLE VALVE EXTENSION STEM

CITY OF JORDAN

STANDARD DETAIL

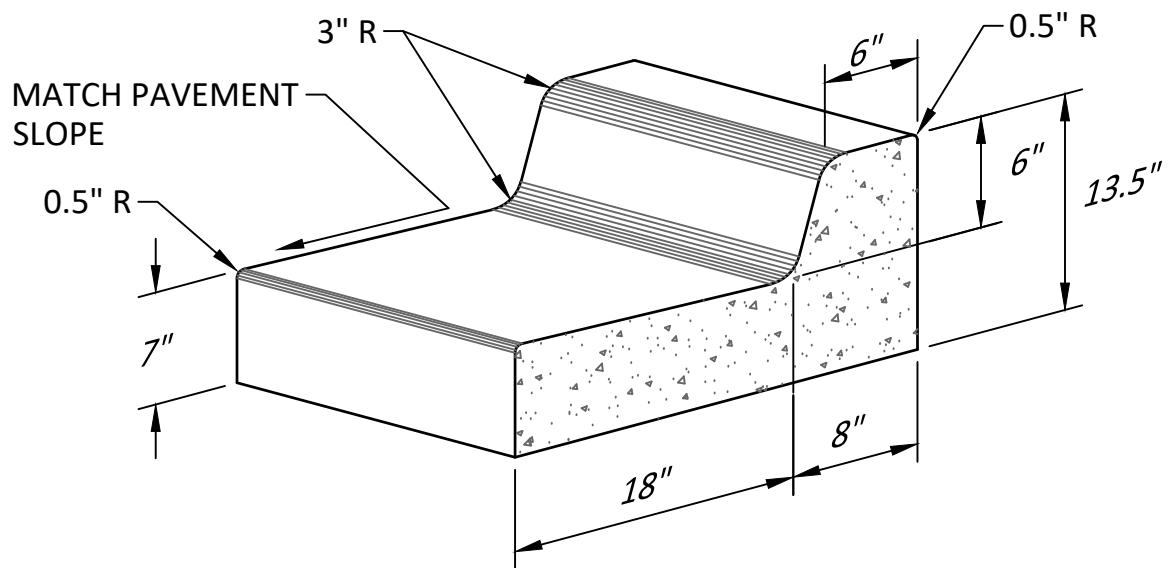
NO. 6014J

DATE MARCH 2025



STANDARD DETAIL
 B618 CONCRETE CURB & GUTTER
 CITY OF JORDAN

STANDARD DETAIL
 NO. 7001J
 DATE MARCH 2025



STANDARD DETAIL

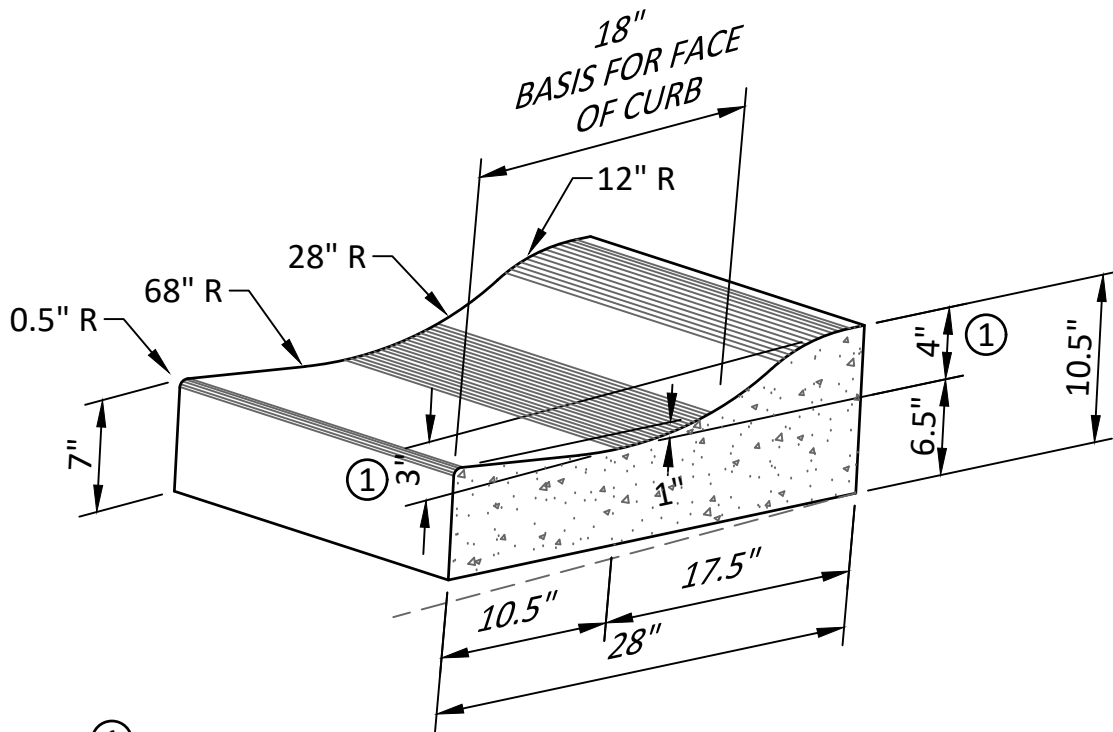
B618 CURB & GUTTER (GUTTER OUT)

CITY OF JORDAN

STANDARD DETAIL

NO. 7002J

DATE MARCH 2025



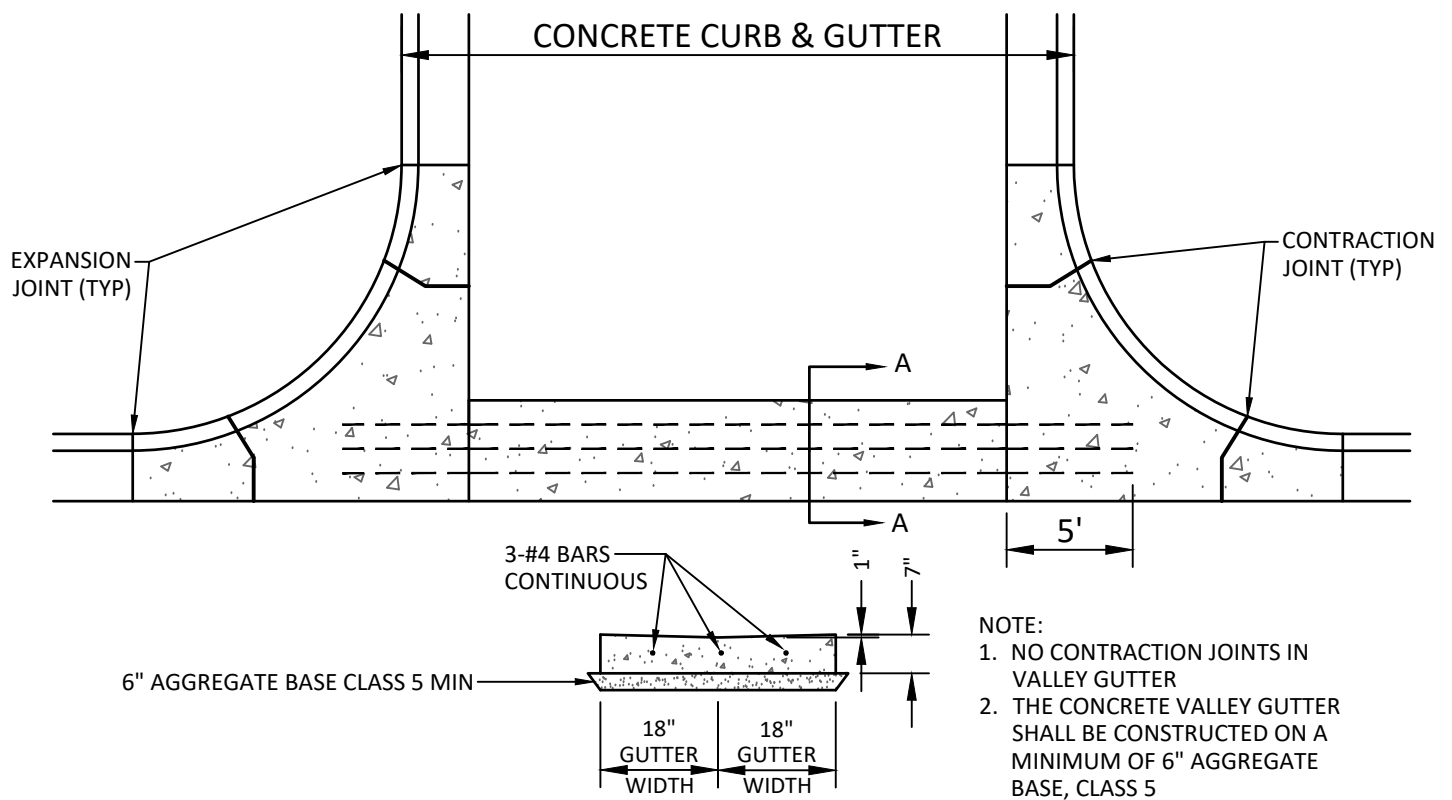
- ① NOTE:
CURB SHALL BE PLACED IN A TILTED POSITION AS SUCH
TO PROVIDE A 3" DEPTH FROM THE TOP OF CURB TO
THE FLOWLINE WHEN MEASURED ON A LEVEL
HORIZONTAL PLANE, AND 4" DEPTH WHEN MEASURED
ALONG BACK OF CURB.

(MODIFIED 5418 EDINA STYLE)



STANDARD DETAIL
MOUNTABLE CONCRETE CURB & GUTTER
CITY OF JORDAN

STANDARD DETAIL
NO. 7003J
DATE MARCH 2025



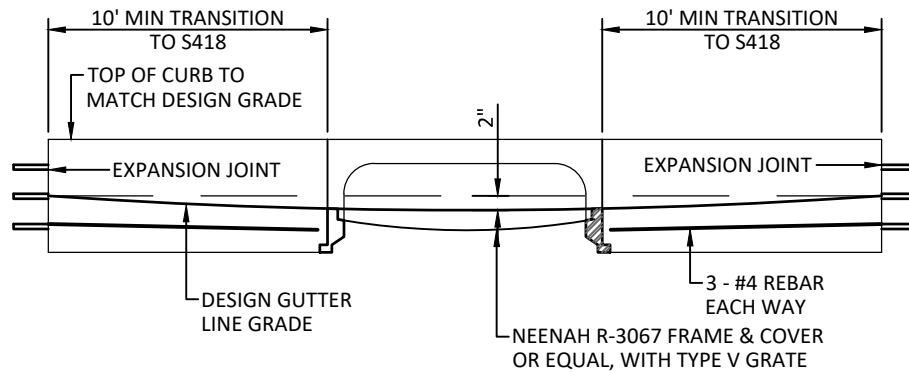
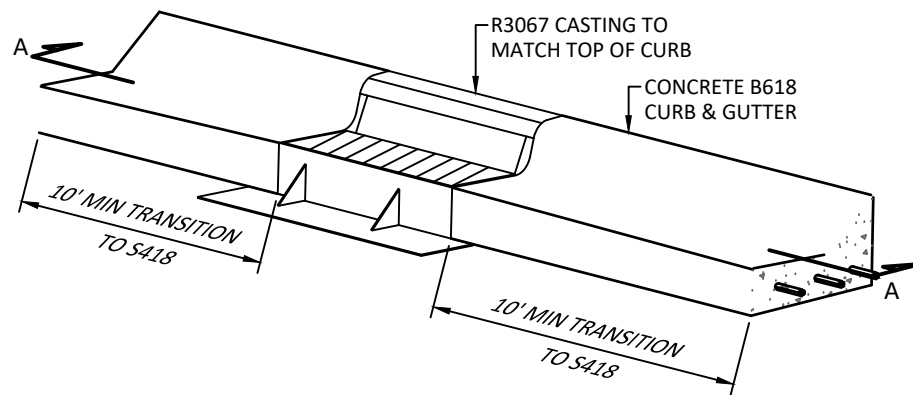
SECTION A



STANDARD DETAIL
CONCRETE VALLEY GUTTER
CITY OF JORDAN

STANDARD DETAIL
NO. 7004J
DATE MARCH 2025

NOTE:
SURMOUNTABLE CURB & GUTTER TO BE
FORMED INTO A B618 TYPE AT CATCHBASIN



SECTION A-A



STANDARD DETAIL

TRANSITION TO B618 CURB AT CATCH BASIN

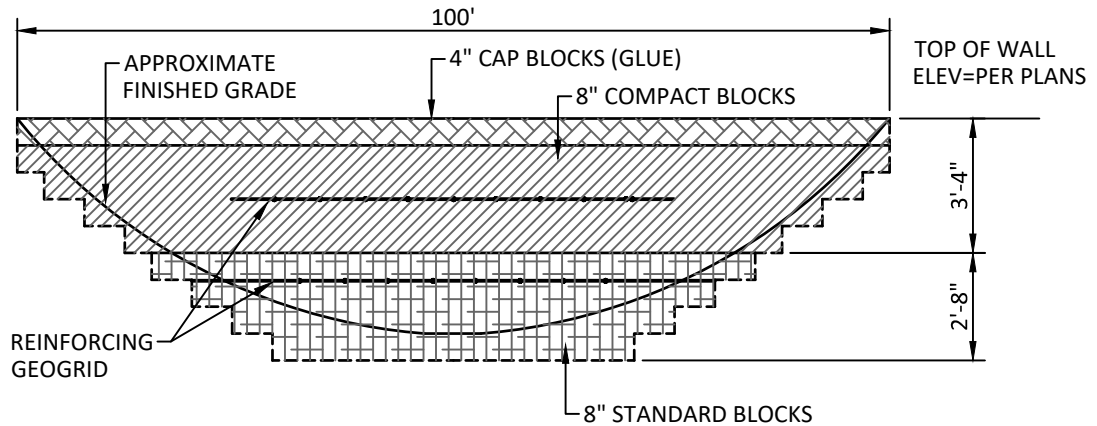
CITY OF JORDAN

STANDARD DETAIL

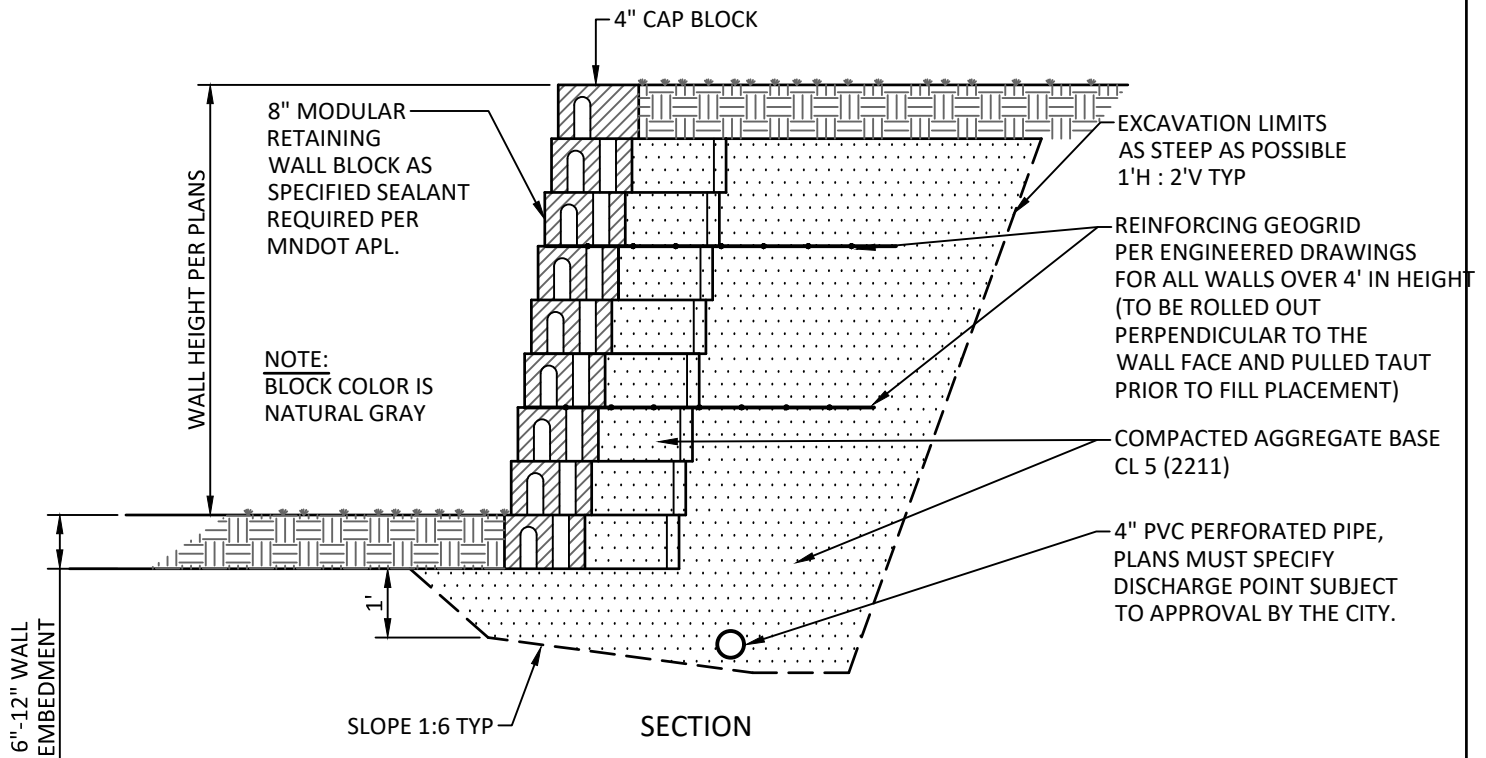
NO. 7005J

DATE MARCH 2025

NOTE:
STAIR-STEPPING AS SHOWN IS APPROXIMATE ONLY.
BUILD WALL TO MATCH EXISTING GROUND AND
PROPOSED GRADES.



ELEVATION



NOTE:

1. ALL WALLS OVER 4' IN HEIGHT MUST BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER. CERTIFIED SHOP DRAWINGS REQUIRED.
2. EASEMENT OR ROW MUST BE PROVIDED TO A DISTANCE OF 2' BEYOND ANY REQUIRED REINFORCING GRID.
3. WET CAST BLOCK WALLS OR CAST IN PLACE WALLS ARE REQUIRED WHERE WALLS ARE RETAINING PUBLIC ROADWAYS. THIS DETAIL IS NOT TO BE USED IN THOSE CASES.
4. ALL PRODUCTS MUST BE PER THE MNDOT APPROVED PRODUCTS LIST (APL).

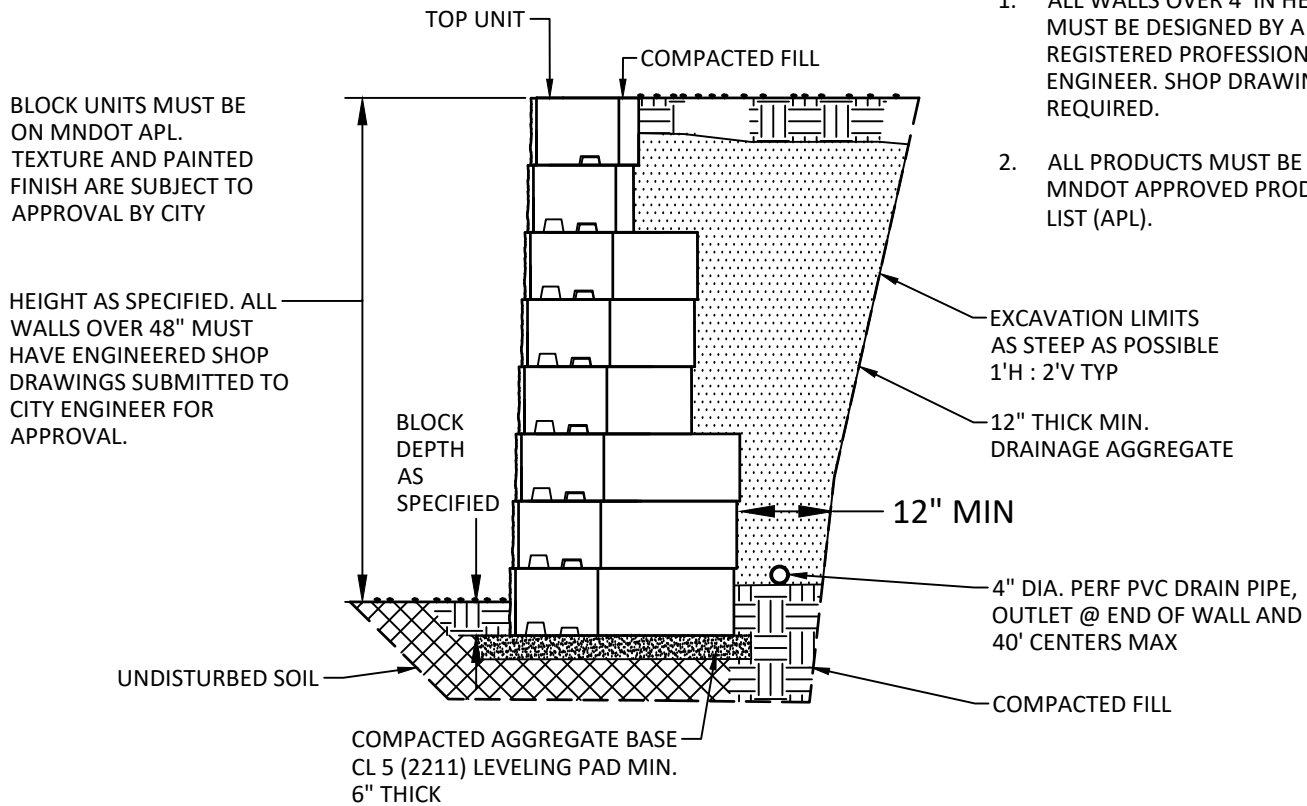


STANDARD DETAIL
DRY CAST MODULAR BLOCK RETAINING WALL
CITY OF JORDAN

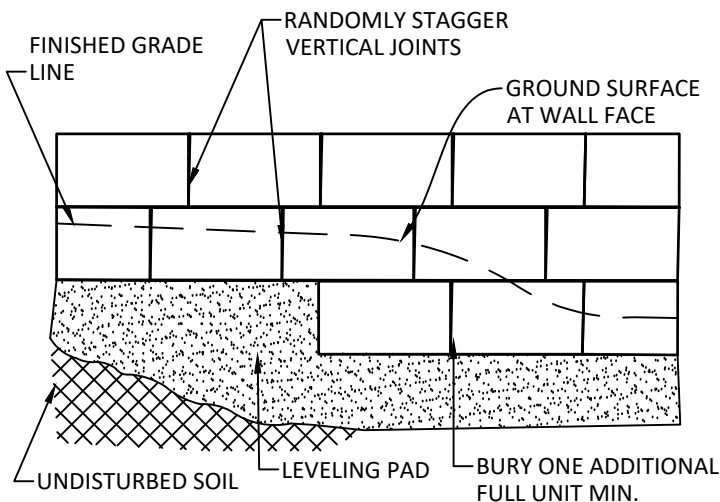
STANDARD DETAIL
NO. 7006J
DATE MARCH 2025

NOTE:

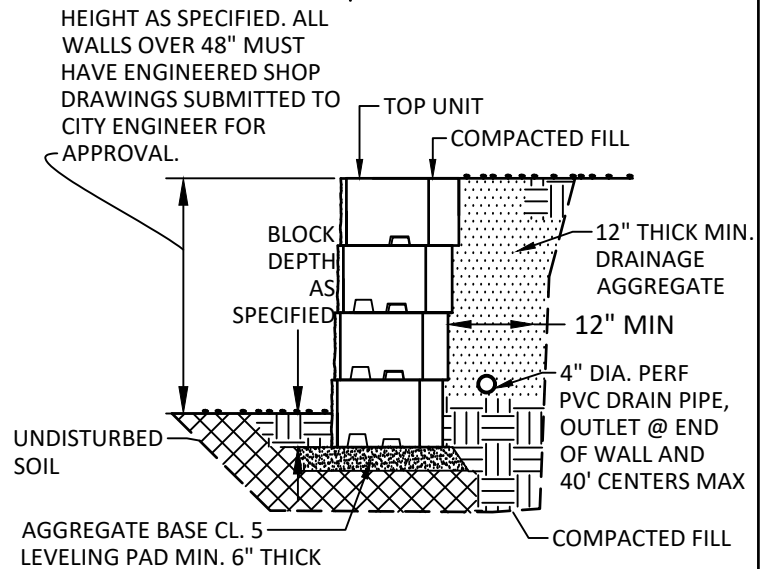
1. ALL WALLS OVER 4' IN HEIGHT MUST BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER. SHOP DRAWINGS REQUIRED.
2. ALL PRODUCTS MUST BE PER THE MNDOT APPROVED PRODUCTS LIST (APL).



SECTION
LARGE BLOCK RETAINING WALL
(HEIGHT > 4')



STEPPING BASE DETAIL

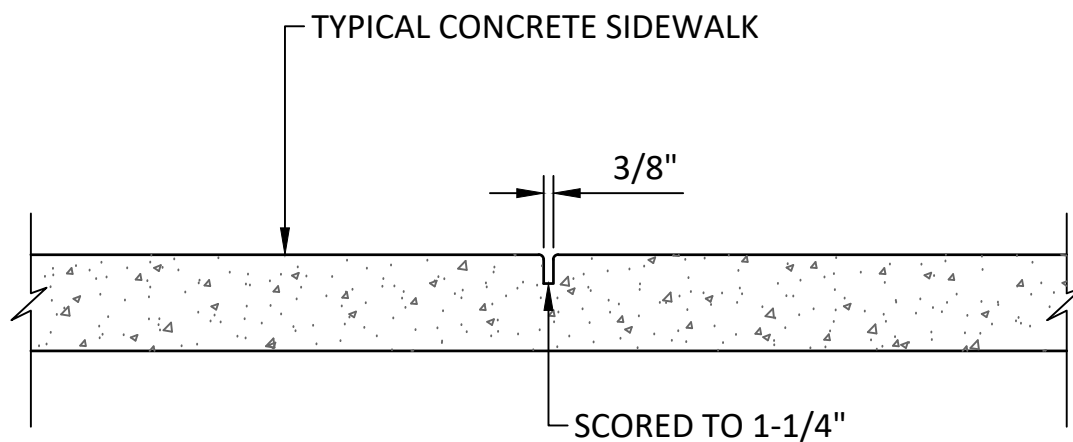


LARGE BLOCK RETAINING WALL
(HEIGHT < 4')



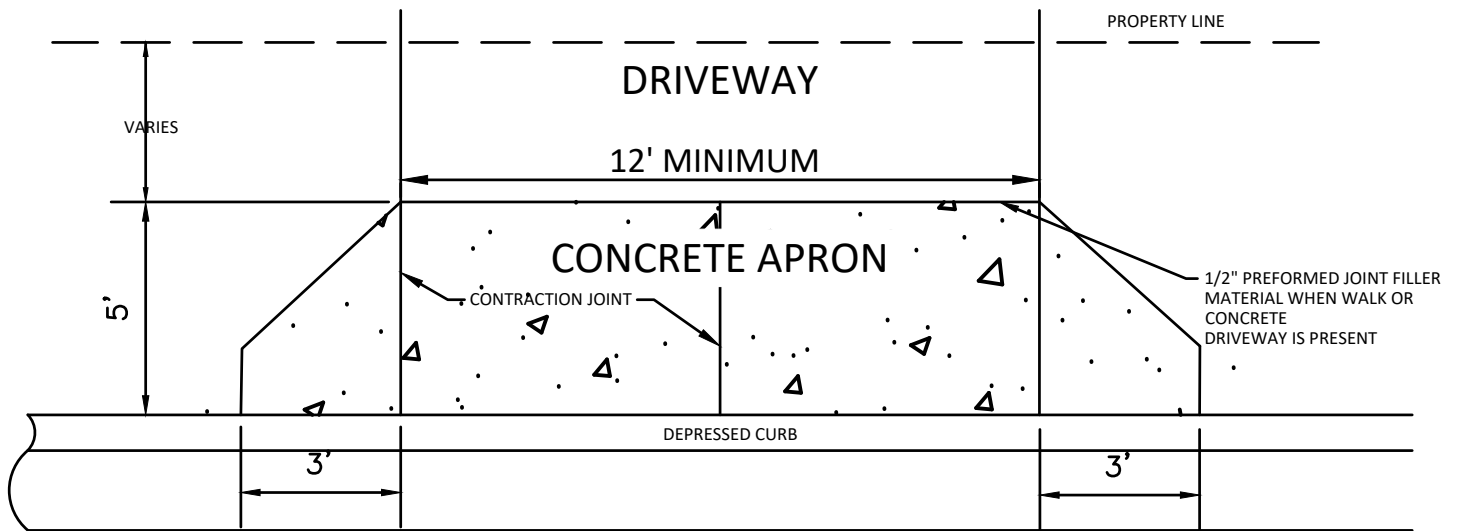
STANDARD DETAIL
BIG BLOCK MODULAR RETAINING WALL
CITY OF JORDAN

STANDARD DETAIL
NO. 7007J
DATE MARCH 2025

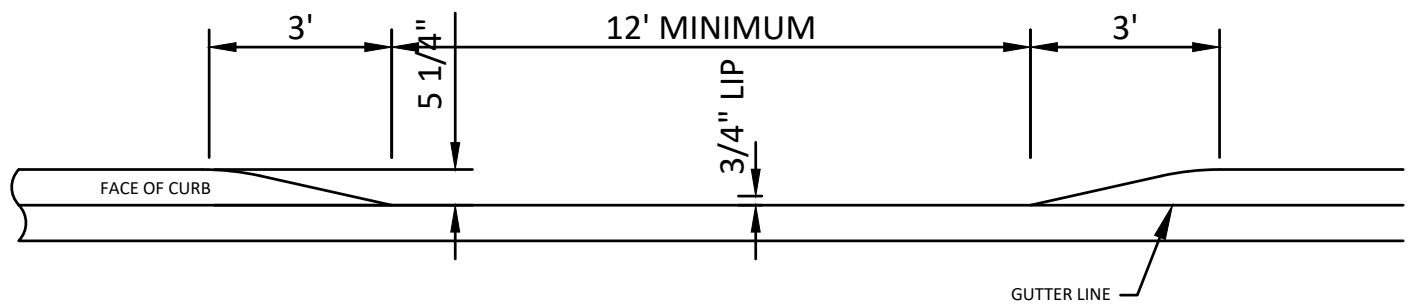


STANDARD DETAIL
CONTRACTION JOINT
CITY OF JORDAN

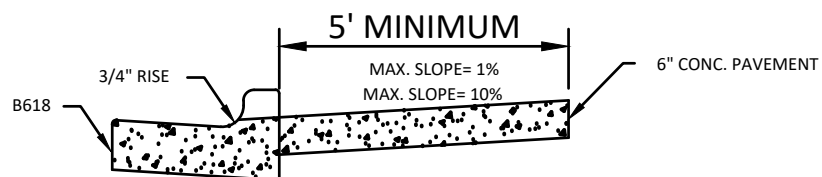
STANDARD DETAIL
NO. 7008J
DATE MARCH 2025



PLAN



ELEVATION

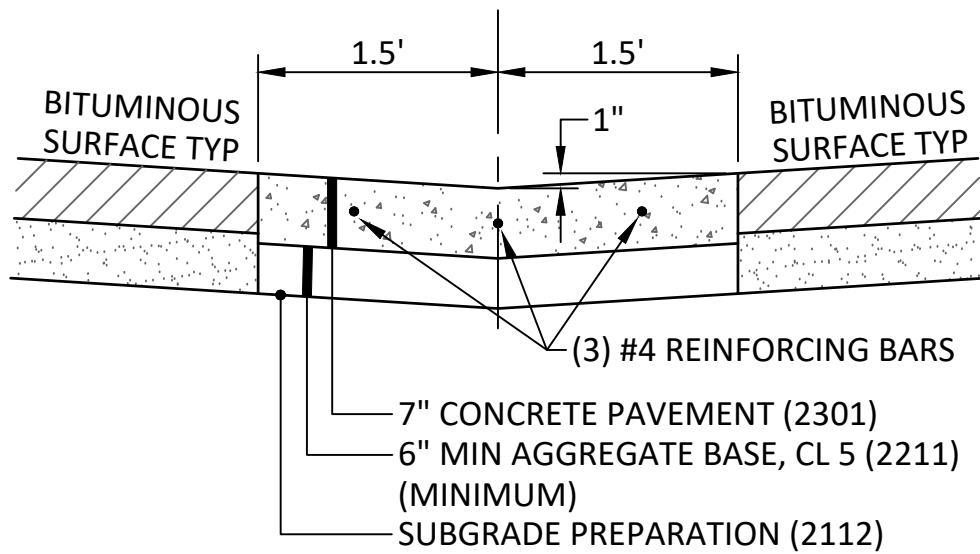


SECTION



STANDARD DETAIL
DEPRESSED CURB WITH DRIVEWAY APRON
CITY OF JORDAN

STANDARD DETAIL
NO. 7009J
DATE MARCH 2025



STANDARD DETAIL

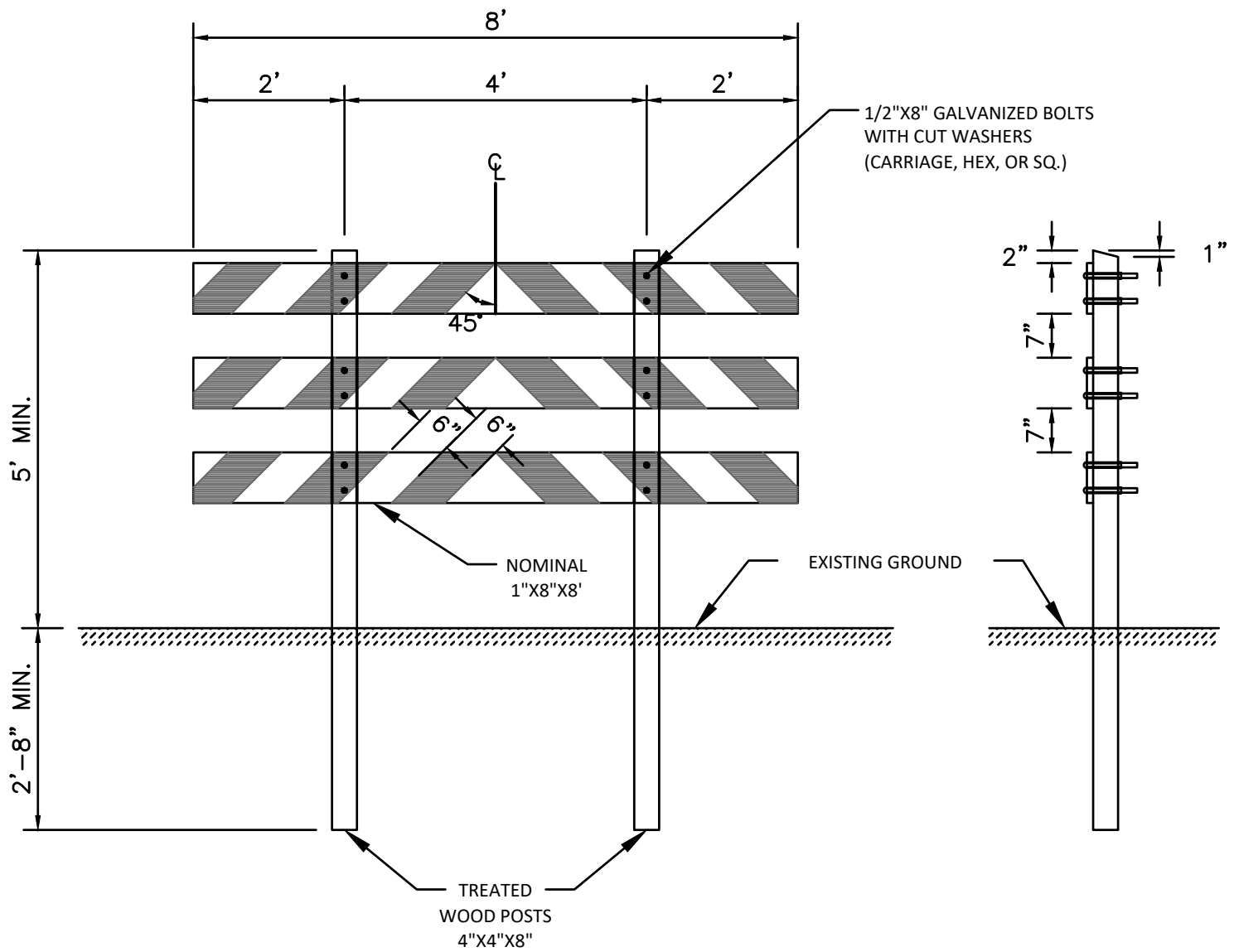
CONCRETE DRAINAGE PAN

CITY OF JORDAN

STANDARD DETAIL

NO. 7010J

DATE MARCH 2025



NOTES:

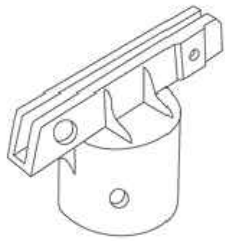
1. THE BARRICADE BOARD FACE SURFACE SHALL BE FULLY REFLECTORIZED IN ALTERNATE SILVER-WHITE AND RED STRIPPING, USING A REFLECTIVE SHEETING CONFORMING TO THE REQUIREMENTS OF SPEC. 3352.2A2a, STANDARD NO. 1.
2. PRIOR TO INSTALLING THE REFLECTIVE SHEETING, THE BARRICADE BOARDS SHALL BE GIVEN A COMPLETE COATING OF WHITE WOOD PRIMER PAINT FOLLOWED BY A SECOND COAT OF WHITE EXTERIOR PAINT APPLIED ONLY TO THE SURFACE NOT COVERED WITH REFLECTIVE SHEETING.
3. THE BARRICADE BOARDS SHALL BE COMPLETELY PAINTED AND REFLECTORIZED SHEETING APPLIED BEFORE BEING INSTALLED ON THE POSTS.
4. THE PLACEMENT OF THE BARRICADE(S) SHALL BE 10' FROM THE END OF THE BITUMINOUS ROAD WITH THE BARRICADE(S) CENTERED ON THE LANES FACING THE FLOW OF TRAFFIC.
5. INSTALL WITHIN 7 DAYS OF PAVEMENT INSTALLATION



STANDARD DETAIL
TYPICAL BARRICADE
CITY OF JORDAN

STANDARD DETAIL
 NO. 8001J
 DATE MARCH 2025

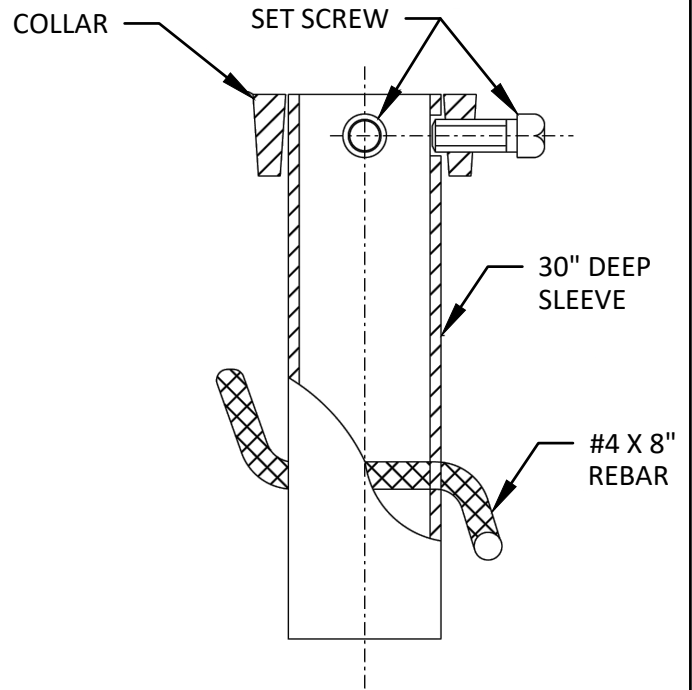
Round Post Bracket



Round Post

Round Post Bracket

STREET NAME SIGN BRACKET (2-3/8" ROUND POST)



BREAKOFF SIGN POST COLLAR



STREET NAME LETTERING 6" C SERIES

NOTES

1. STREET NAME BLADE SIGNS SHALL BE 6-INCH C SERIES WITH A 3/8-INCH WHITE BORDER AND A9 INCHES IN HEIGHT.
2. FONT SHALL BE TYPE E MODIFIED
3. ALL POSTS SHALL BE 2-3/8" O.D. GALVANIZED STEEL.
4. STREET NAME BLADES SHALL BE DOUBLE SIDED PANELS AND MOUNTED ON NEW TUBULAR POSTS WITH BA7, HEAVY DUTY STREET NAME SIGN BRACKETS AS MANUFACTURED BY GRIMCO, INC. OR AN APPROVED EQUAL.
5. AMOUNT BID SHALL INCLUDE ALL COSTS FOR SIGNS, BRACKETS, POSTS, COLLARS, FOUNDATIONS, AND ALL MISCELLANEOUS PARTS NECESSARY FOR A COMPLETE SIGNAGE SYSTEM.
6. CONTRACTOR SHALL FURNISH SHOP DRAWINGS OF ALL SIGNS PRIOR TO MANUFACTURE.
7. INSTALLATION SHALL BE IN COMPLIANCE WITH CURRENT MINNESOTA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES
8. NUMBERED STREETS ARE TO BE WRITTEN OUT WHEN THE NUMBER IS NINETEENTH OR LESS.
9. SIGNS ARE TO TYPICALLY INSTALLED ON THE SOUTHWEST CORNER OF THE INTERSECTION.



STANDARD DETAIL

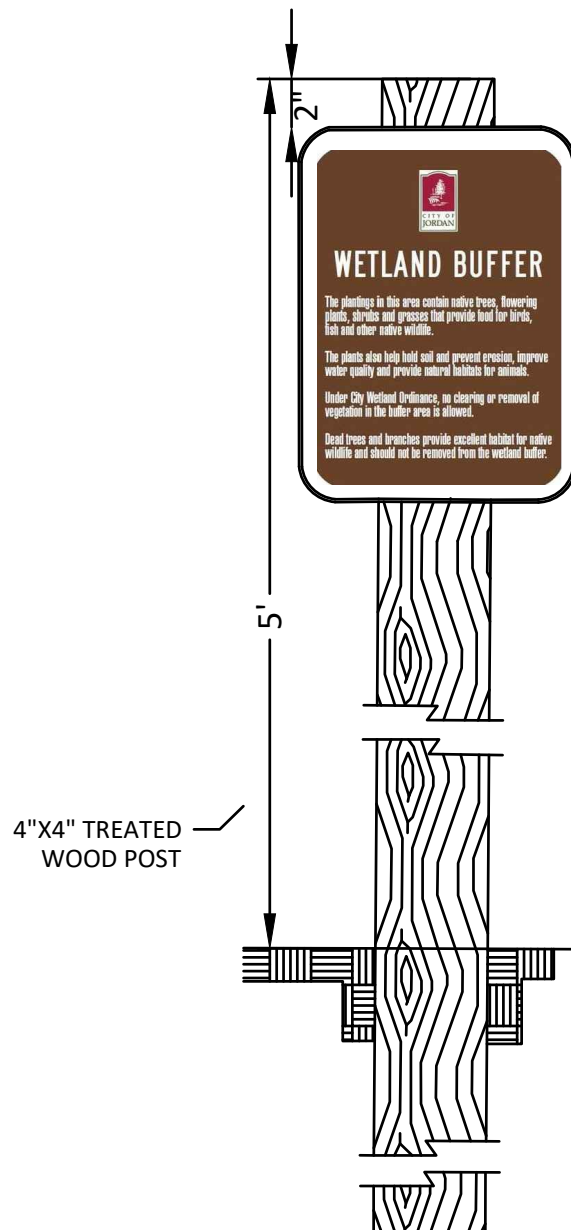
STREET SIGN

CITY OF JORDAN

STANDARD DETAIL

NO. 8002J

DATE MARCH 2025



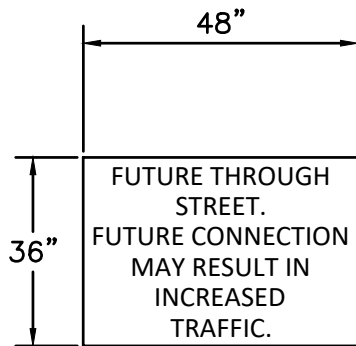
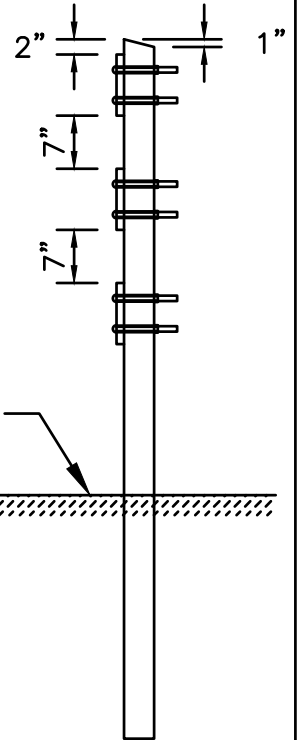
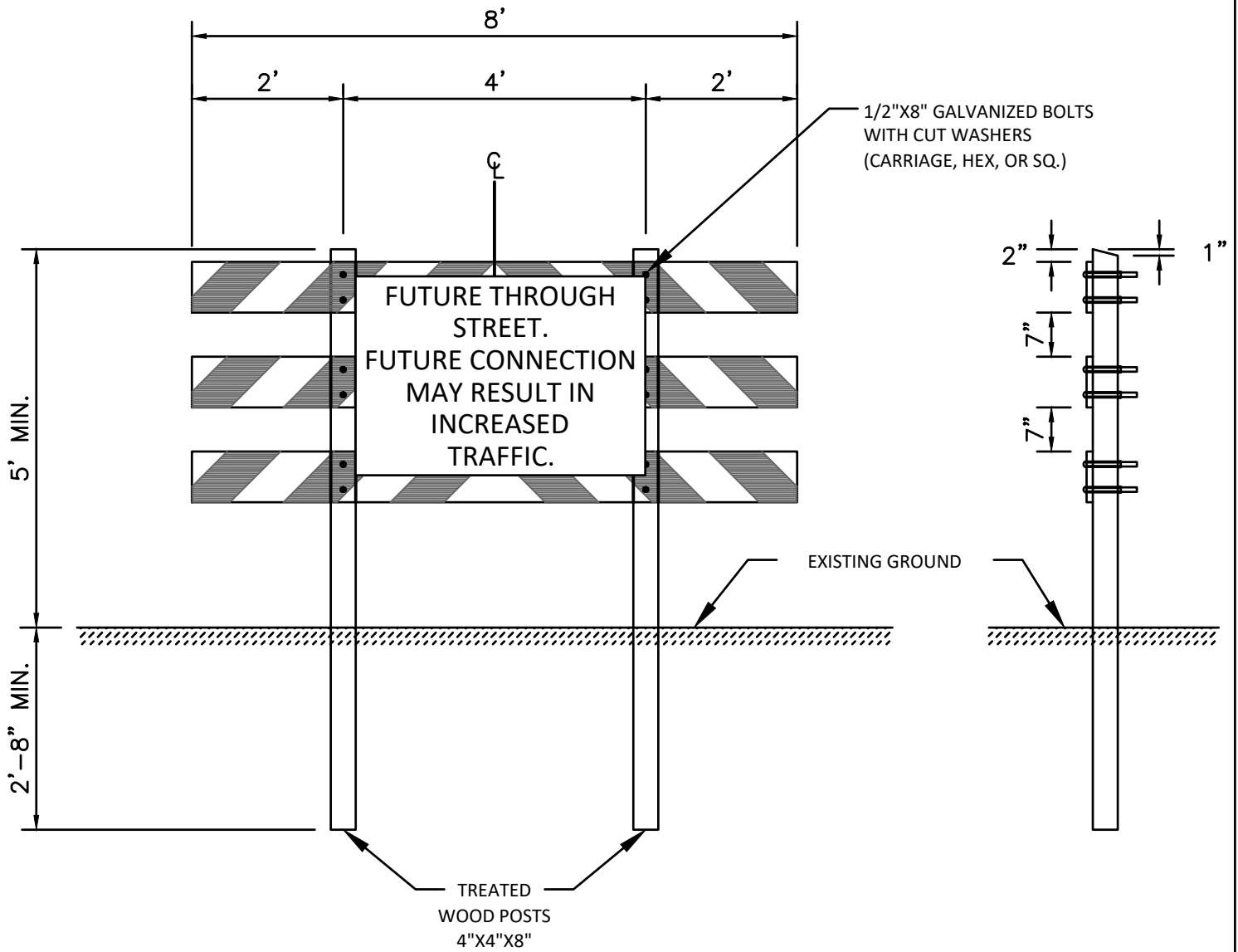
NOTES:

1. SIGNS ARE AVAILABLE FOR MANUFACTURE BY EARL F. ANDERSON (952.884.7300)
2. SIGNS SHALL BE INSTALLED ON AN 8' TALL, 4"X4" TREATED POST, SUNK 3' INTO THE GROUND. SIGN TO BE INSTALLED 2" FROM THE TOP OF THE POST.



STANDARD DETAIL
WETLAND BUFFER SIGN
CITY OF JORDAN

STANDARD DETAIL
NO. 8003J
DATE MARCH 2025



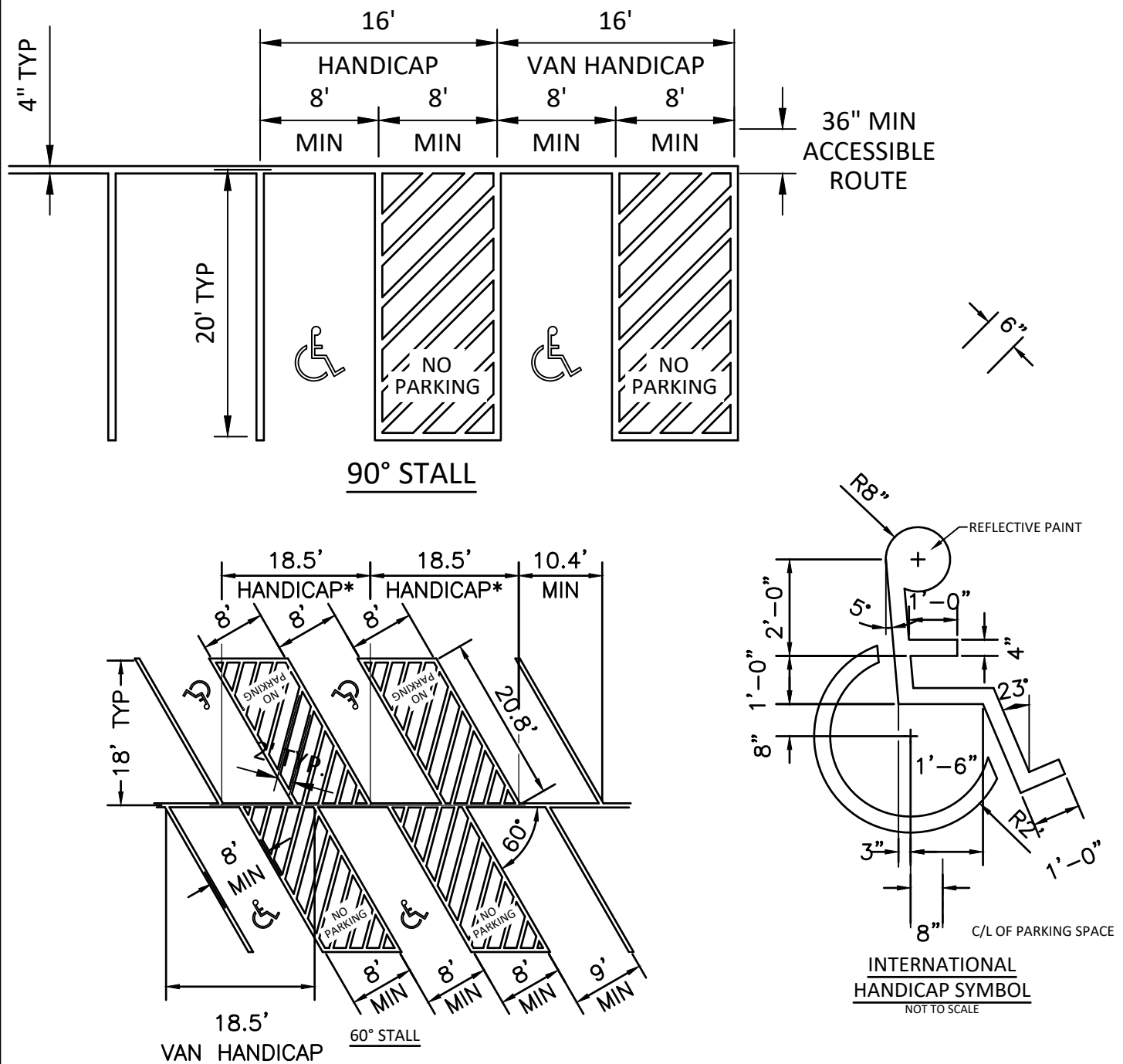
NOTES:

1. DESIGN SHALL CONFORM TO THESE REQUIREMENTS EXCEPT AS OTHERWISE APPROVED BY THE CITY ENGINEER.
2. SIGN SHALL BE REFLECTORIZED AS PER MNDOT 3352.2A2b, STANDARD NO. 2.
3. SIGN SHALL BE CONSTRUCTED OF ALUMINUM PER MNDOT 3352.2A1, BLACK ON WHITE WITH 4" LETTERS.



STANDARD DETAIL
FUTURE THROUGH STREET SIGN
CITY OF JORDAN

STANDARD DETAIL
NO. 8004J
DATE MARCH 2025



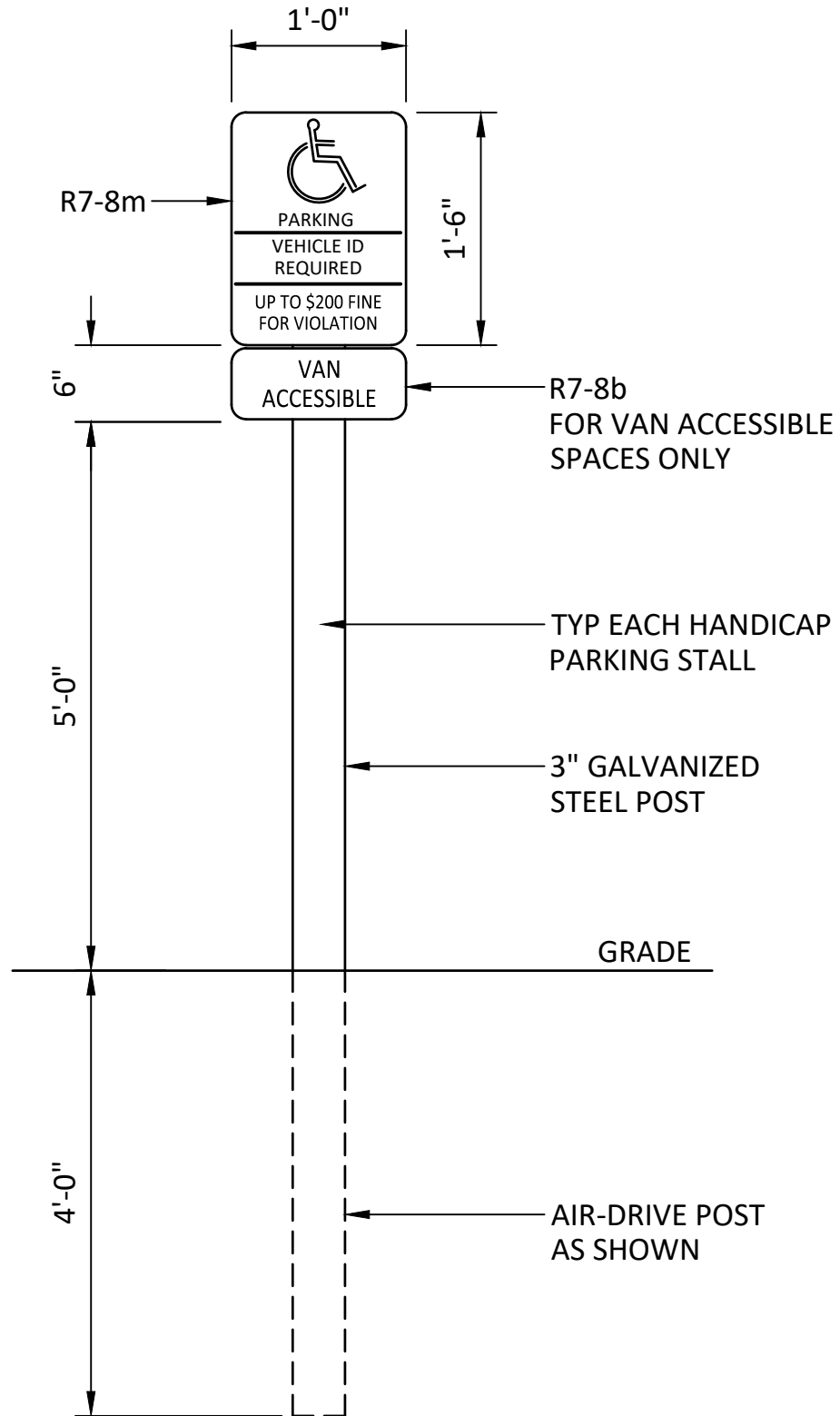
NOTE:
FOR 60° HANDICAP PARKING, A 8' WIDE PAINTED LANE AREA IS NEEDED
FOR PASSENGER AND DRIVER LOADING/UNLOADING. LANES CAN BE
SHARED BY ADJACENT HANDICAP STALLS.

10' WIDE 90°, 9' WIDE 60° PARKING RATIO
1/25 HANDICAPPED/TOTAL STALLS RATIO
1-8 VAN ACCESSIBLE/HANDICAPPED
6-1-94



STANDARD DETAIL HANDICAP PARKING STRIPING CITY OF JORDAN

STANDARD DETAIL
NO. 8005J
DATE MARCH 2025



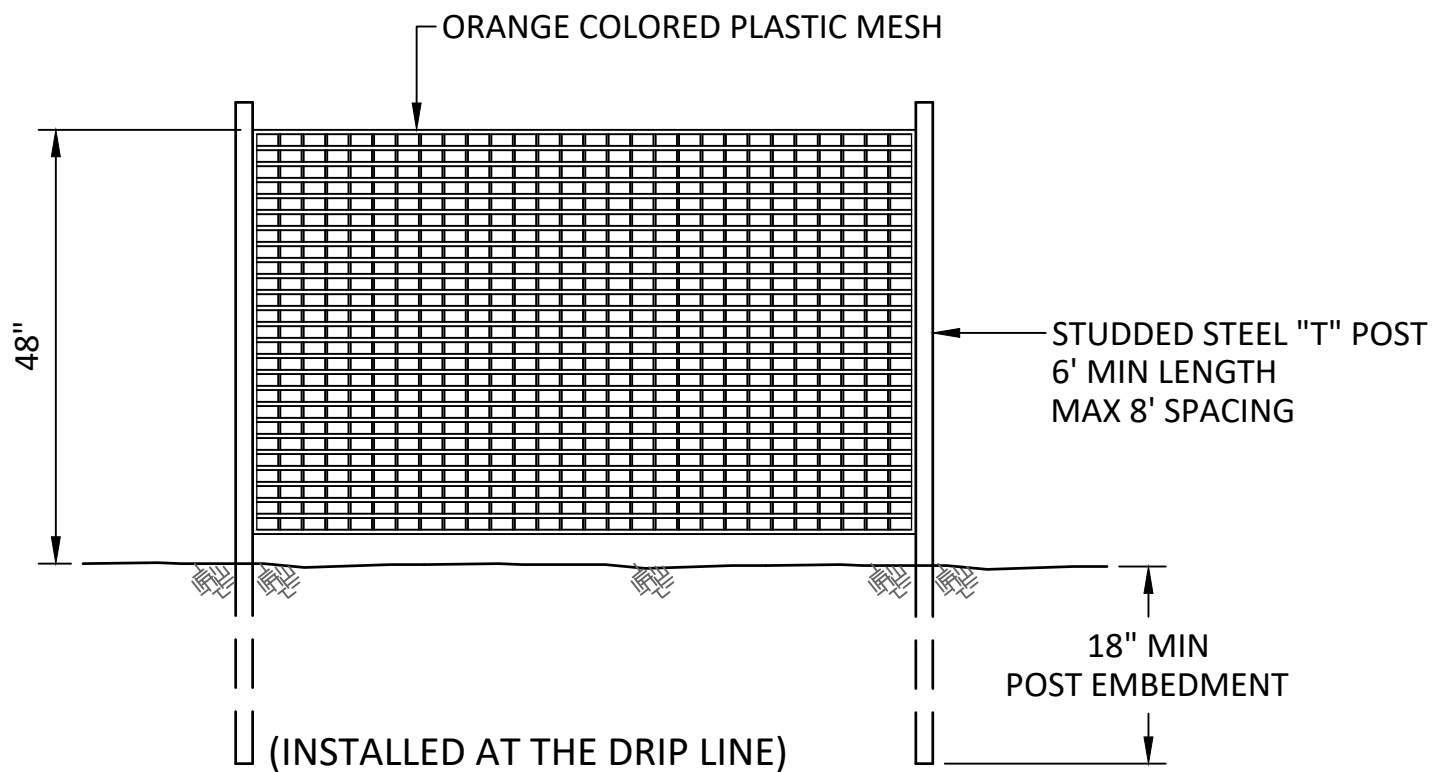
DISABLED PARKING SIGN

NOT TO SCALE



STANDARD DETAIL
DISABLED PARKING SIGN
CITY OF JORDAN

STANDARD DETAIL
NO. 8006J
DATE MARCH 2025



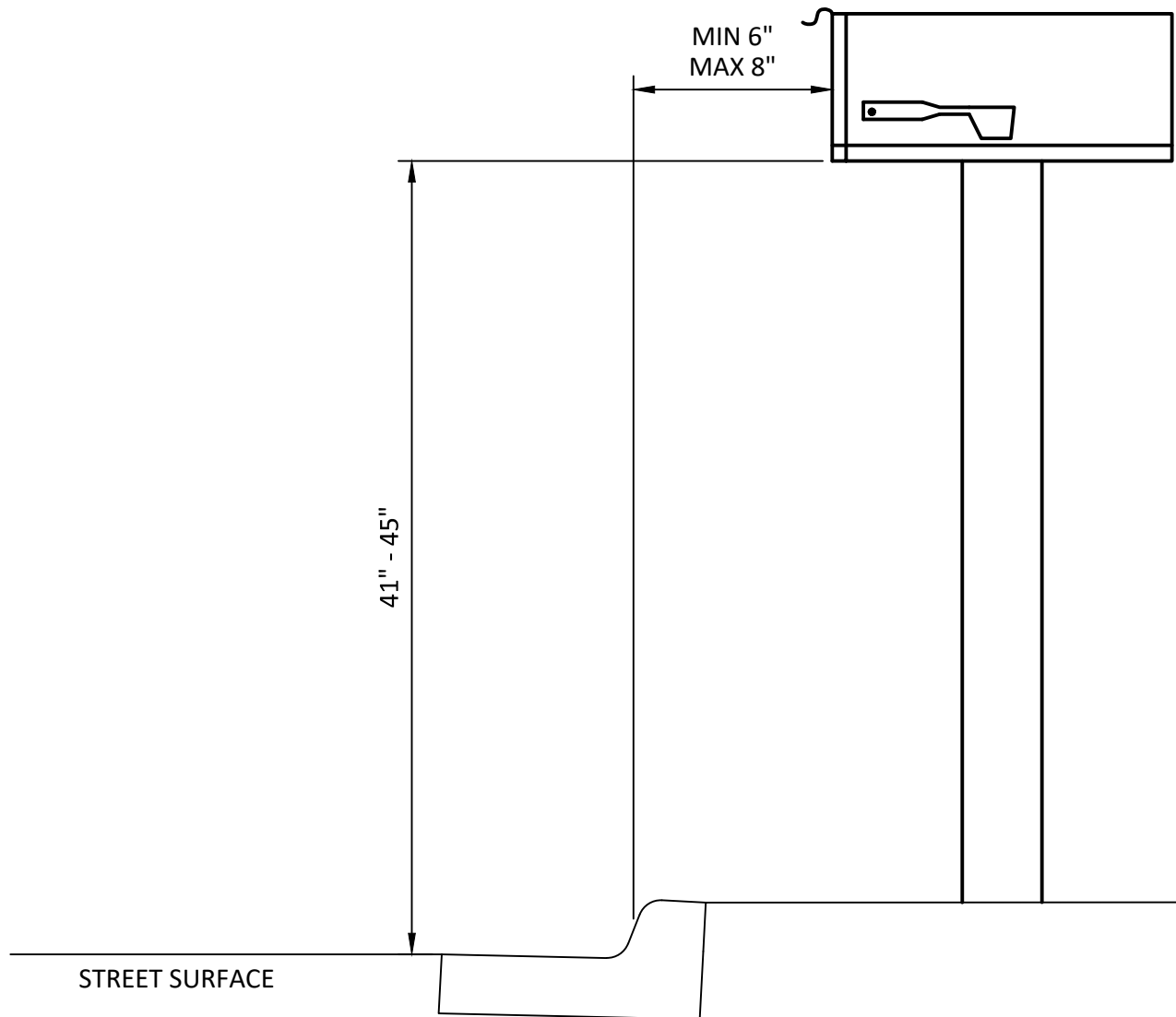
NOTES:

1. TREE PRESERVATION FENCE SHALL BE INSTALLED AROUND ALL AREAS OF NEW DEVELOPMENT AND GRADING WHERE TREES ARE IDENTIFIED IN THE PLANS TO BE PRESERVED.



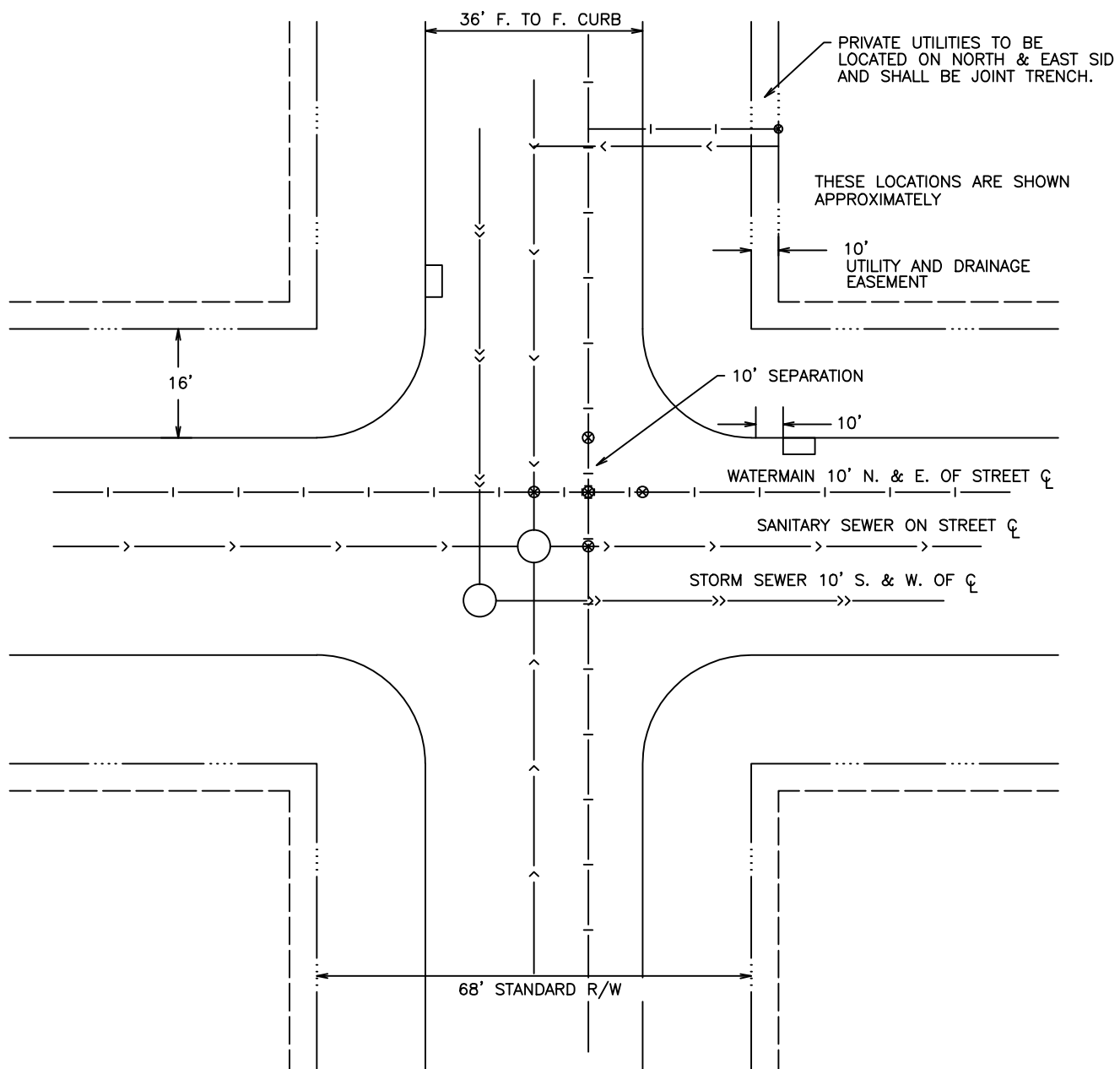
STANDARD DETAIL
TREE PRESERVATION FENCE
CITY OF JORDAN

STANDARD DETAIL
NO. 9001J
DATE MARCH 2025



STANDARD DETAIL
MAILBOX INSTALLATION
CITY OF JORDAN

STANDARD DETAIL
NO. 9002J
DATE MARCH 2025



STANDARD DETAIL

TYPICAL LOCATION OF PUBLIC UTILITIES

CITY OF JORDAN

STANDARD DETAIL

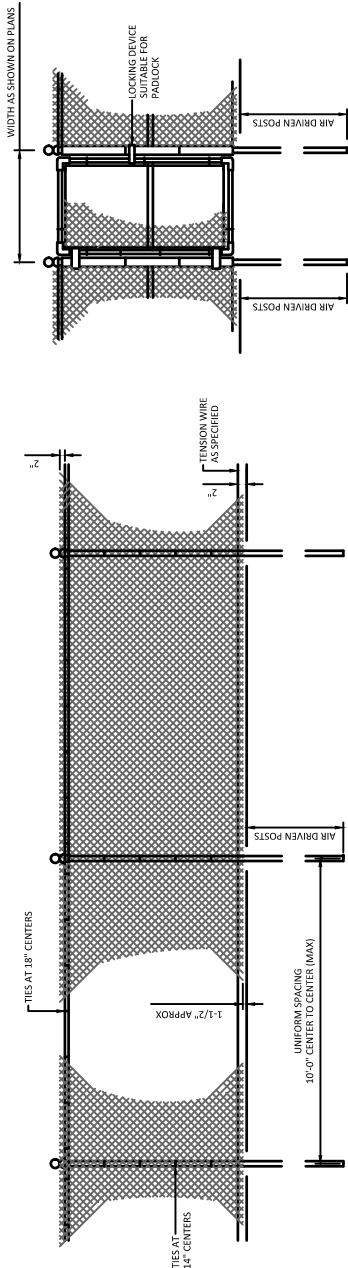
NO. 9003J

DATE MARCH 2025

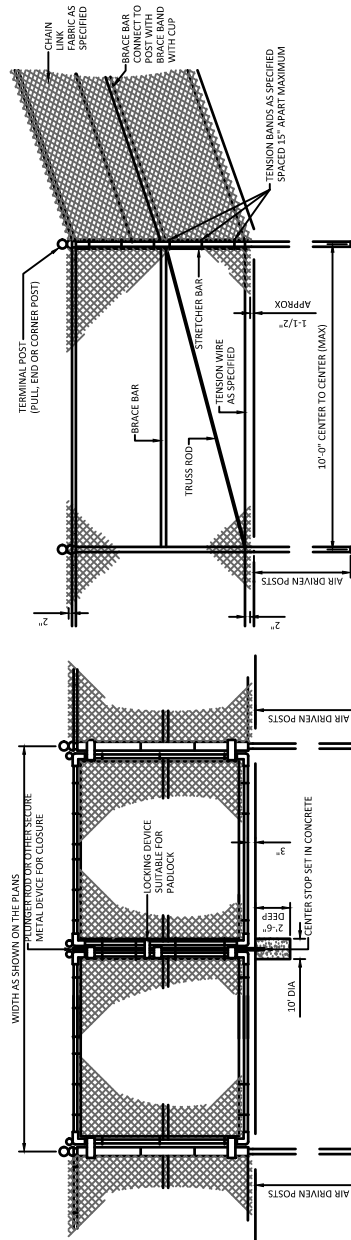


STANDARD DETAIL
CHAIN LINK FENCE
CITY OF JORDAN

STANDARD DETAIL
NO. 9004J
DATE MARCH 2025



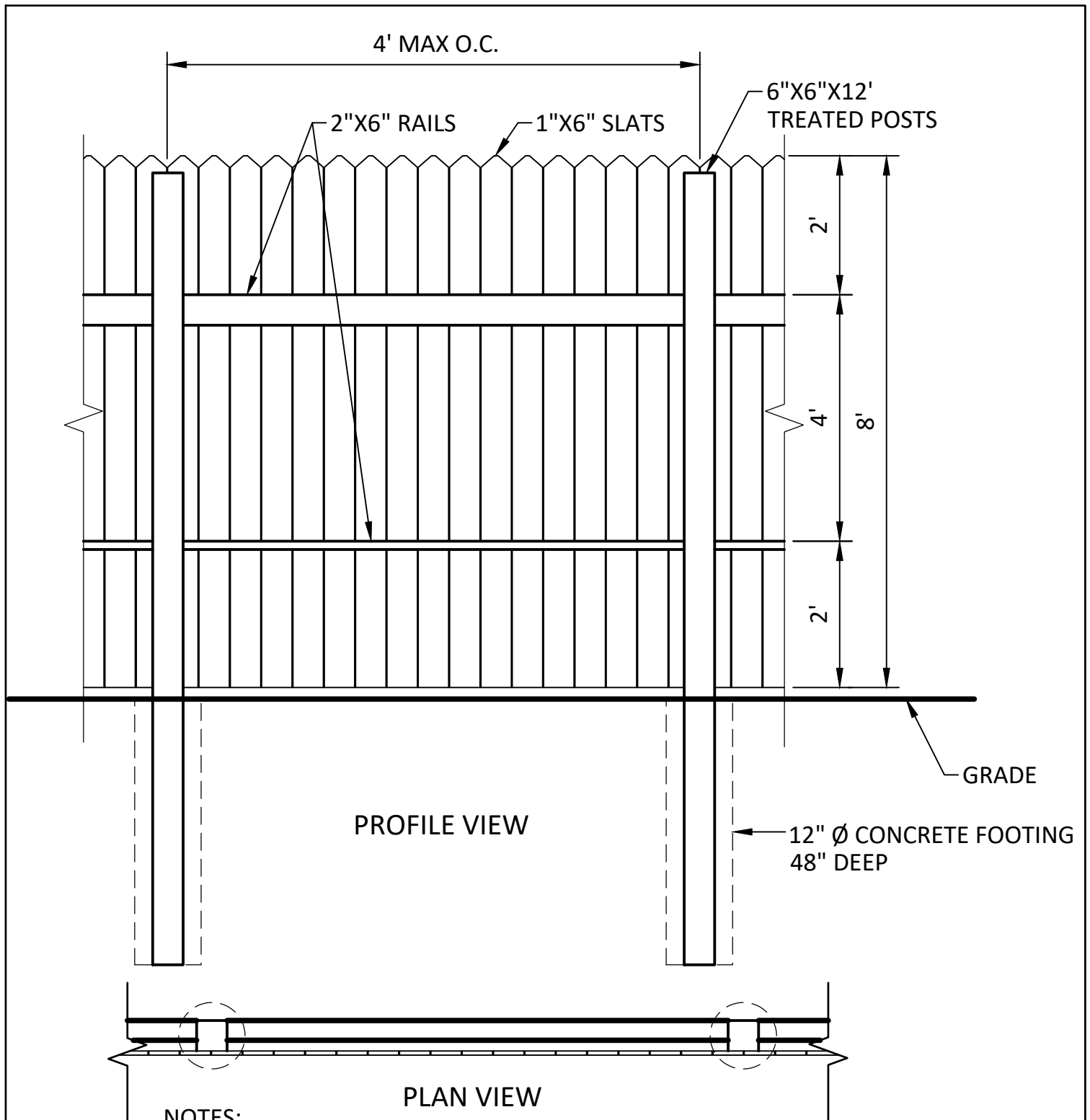
PEDESTRIAN GATE



VEHICULAR GATE

CHAIN LINK FENCE FRAMEWORK SPECIFICATIONS				
FRAMING MEMBERS	TYPE 1 (SCHED 40) ROUND PIPE	POST DEPTH BELOW GROUND (IN)	CONCRETE FOOTING	
			DIA (IN)	DEPTH (IN)
TERMINAL POSTS (END, CORNER AND RAIL POSTS)	FABRIC HEIGHT 6 FEET OR LESS	OUTSIDE DIAMETER (IN)	2.375	36
		WALL THICKNESS (IN)	0.154	10
		WEIGHT (LB/FT)	3.650	42
FABRIC HEIGHT OVER 6 FEET TO 8 FEET	FABRIC HEIGHT OVER 6 FEET TO 8 FEET	OUTSIDE DIAMETER (IN)	2.375	42
		WALL THICKNESS (IN)	0.203	12
		WEIGHT (LB/FT)	5.790	48
FABRIC HEIGHT OVER 8 FEET TO 10 FEET	FABRIC HEIGHT OVER 8 FEET TO 10 FEET	OUTSIDE DIAMETER (IN)	2.375	48
		WALL THICKNESS (IN)	0.203	12
		WEIGHT (LB/FT)	5.790	54
LINE POSTS	FABRIC HEIGHT 6 FEET OR LESS	OUTSIDE DIAMETER (IN)	1.300	48
		WALL THICKNESS (IN)	0.145	NO CONCRETE FOUNDATION - AIR DRIVE
		WEIGHT (LB/FT)	2.720	
FABRIC HEIGHT OVER 6 FEET TO 8 FEET	FABRIC HEIGHT OVER 6 FEET TO 8 FEET	OUTSIDE DIAMETER (IN)	2.375	48
		WALL THICKNESS (IN)	0.154	NO CONCRETE FOUNDATION - AIR DRIVE
		WEIGHT (LB/FT)	3.650	
FABRIC HEIGHT OVER 8 FEET TO 10 FEET	FABRIC HEIGHT OVER 8 FEET TO 10 FEET	OUTSIDE DIAMETER (IN)	2.375	60
		WALL THICKNESS (IN)	0.154	NO CONCRETE FOUNDATION - AIR DRIVE
		WEIGHT (LB/FT)	3.650	
GATE SUPPORT POSTS (6' OR LESS GATE LEAF WIDTH)	FABRIC HEIGHT 6 FEET OR LESS	OUTSIDE DIAMETER (IN)	2.375	36
		WALL THICKNESS (IN)	0.154	10
		WEIGHT (LB/FT)	3.650	42
FABRIC HEIGHT OVER 6 FEET TO 8 FEET	FABRIC HEIGHT OVER 6 FEET TO 8 FEET	OUTSIDE DIAMETER (IN)	2.375	42
		WALL THICKNESS (IN)	0.203	12
		WEIGHT (LB/FT)	5.790	48
FABRIC HEIGHT OVER 8 FEET TO 10 FEET	FABRIC HEIGHT OVER 8 FEET TO 10 FEET	OUTSIDE DIAMETER (IN)	2.375	48
		WALL THICKNESS (IN)	0.203	12
		WEIGHT (LB/FT)	5.790	54
GATE SUPPORT POSTS OVER 8' TO 12' GATE LEAF WIDTH	FABRIC HEIGHT 6 FEET OR LESS	OUTSIDE DIAMETER (IN)	2.375	42
		WALL THICKNESS (IN)	0.203	12
		WEIGHT (LB/FT)	5.790	48
FABRIC HEIGHT OVER 6 FEET TO 8 FEET	FABRIC HEIGHT OVER 6 FEET TO 8 FEET	OUTSIDE DIAMETER (IN)	2.375	42
		WALL THICKNESS (IN)	0.203	12
		WEIGHT (LB/FT)	5.790	48
FABRIC HEIGHT OVER 8 FEET TO 10 FEET	FABRIC HEIGHT OVER 8 FEET TO 10 FEET	OUTSIDE DIAMETER (IN)	2.375	48
		WALL THICKNESS (IN)	0.203	12
		WEIGHT (LB/FT)	5.790	54
GATE FRAMES	6' OR LESS GATE LEAF WIDTH	OUTSIDE DIAMETER (IN)	1.660	N/A
		WALL THICKNESS (IN)	0.140	N/A
		WEIGHT (LB/FT)	2.720	N/A
OVER 6' TO 12' GATE LEAF WIDTH	OVER 6' TO 12' GATE LEAF WIDTH	OUTSIDE DIAMETER (IN)	1.300	N/A
		WALL THICKNESS (IN)	0.145	N/A
		WEIGHT (LB/FT)	2.720	N/A
TOP RAIL AND BRACES	ALL	OUTSIDE DIAMETER (IN)	1.660	36
		WALL THICKNESS (IN)	0.140	10
		WEIGHT (LB/FT)	2.720	42

CHAIN LINK FENCE
NOT TO SCALE



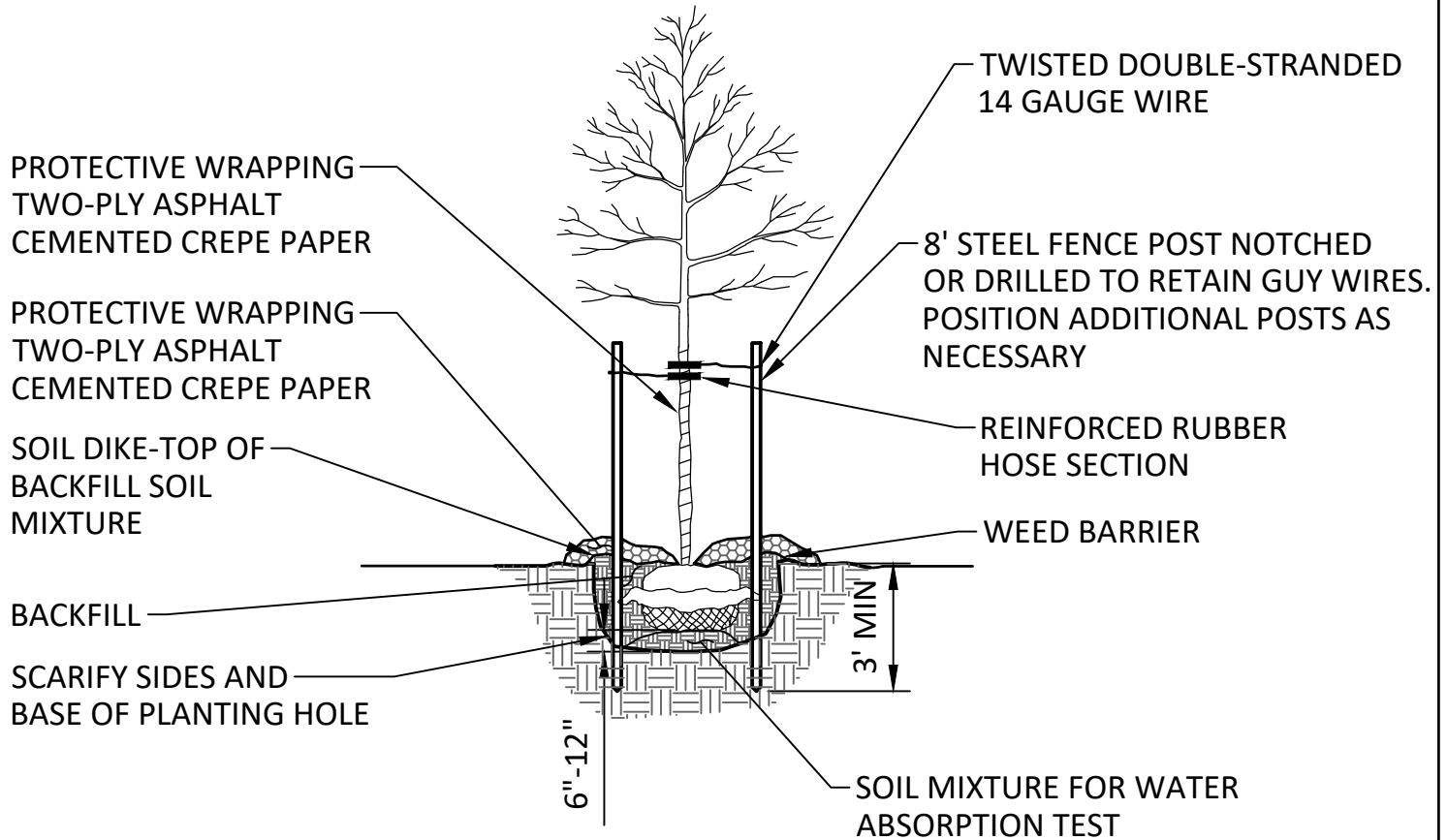
NOTES:

- SLATS & RAILS TO BE CEDAR, POSTS TO BE TREATED TIMBER
- ALL HARDWARE AND FASTENERS SHALL BE DOUBLE DIPPED GALVANIZED, STAINLESS STEEL OR ALUMINUM
- WOOD SLATS TO FACE RIGHT-OF-WAY, POSTS AND RAILS TO FACE PROPERTY



**STANDARD DETAIL
WOOD PRIVACY FENCE
CITY OF JORDAN**

STANDARD DETAIL
NO. 9005J
DATE MARCH 2025



DECIDUOUS TREE PLANTING

NOTES:

BAG & BALL PLANTING NOTE:

1. REMOVE WRAPPING AND ALL TIES OR STRAPS. IF ROOT BALL IS WRAPPED IN BURLAP THE LOWER $\frac{1}{2}$ PORTION OF THE FABRIC MAY BE LEFT AT THE BOTTOM OF THE HOLE. SYNTHETIC WRAP MUST BE REMOVED AND PROPERLY DISPOSED.
2. LOOSEN ROOTS TO ENSURE THEY ARE NOT GIRDLING THE ROOT BALL.
3. SALVAGE AND REUSE ALL SOIL THAT CAME WITH THE ROOT BALL.
4. IF ROOT BALL IS EXTREMELY DRY WATER IT PRIOR TO PLACING IT IN THE HOLE.
5. IF TREE IS CONTAINER GROWN, SALVAGE ALL SOIL AND MIX WITH SUPPLEMENTED SOIL FOR BACK FILL.

BARE ROOT PLANTING NOTE:

IF BARE ROOT MATERIAL IS SPECIFIED THESE ADDITIONAL REQUIREMENTS MUST BE MET:

1. ROOTS MUST BE SOAKED OVERNIGHT THE NIGHT BEFORE PLANTING.
2. ROOTS MUST BE PROTECTED FROM DRYING OUT DURING THE INSTALLATION PROCESS.
3. ALL DAMAGED, DISEASED OR DESIGNATED ROOTS AND ROOT ENDS MUST BE CLEANLY PRUNED. TREE SHALL NOT HAVE GIRDLING ROOTS.

1. PROVIDE AND INSTALL HEALTHY PLANT MATERIALS THAT MEET ALL SPECIFICATIONS AND ARE OF THE SIZE, TYPE AND SPECIES NAMED ON THE PLANT SCHEDULE AND SHOWN ON THE PLANS.
2. DIG PLANT HOLE 1'-0" MINIMUM LARGER ON ALL SIDES THAN ROOT BALL.
3. PRIOR TO PLACING TREE, SCARIFY BOTTOM AND SIDES OF THE PLANTING HOLE.
4. TEST SOIL ABSORPTION. FILL HOLE PARTIALLY WITH SUPPLEMENTED SOIL MIXTURE, ADD WATER AND ALLOW TO PUDDLE AND SETTLE PRIOR TO SETTING TREE.
5. AFTER PUDDLING HAS SETTLED, SET TREE AND BACK FILL WITH SUPPLEMENTED SOIL MIXTURE.
6. WATER THOROUGHLY AND ADD BACK FILL AS NEEDED AFTER MOISTURE IS ABSORBED.
7. BUILD SOIL DIKE AROUND PERIPHERY OF TREE TO HOLD WATER.
8. AFTER SETTLEMENT, MULCH WITH MINIMUM 4" LAYER SHREDDED BARK, WOOD CHIPS OR AS OTHERWISE SPECIFIED. DO NOT MULCH UP AGAINST THE TRUNK.
9. REMOVE DEAD OR DAMAGED BRANCHES. RETAIN THE NATURAL FORM OF THE TREE.



STANDARD DETAIL DECIDUOUS TREE PLANTING CITY OF JORDAN

STANDARD DETAIL
NO. 9006J
DATE MARCH 2025

RUBBER HOSE COLLARS
TO BE PLACED APPROX. $\frac{2}{3}$
HIGH ON THE TRUNK

4" COMPACTED WOODCHIP
MULCH-KEEP MULCH AWAY
FROM ROOT COLLAR

SOIL DIKE-TOP OF
BACKFILL SOIL MIXTURE

BACKFILL

SCARIFY SIDES AND
BASE OF PLANTING HOLE

12 GA WIRE-3
@ 120° INTERVAL

PLANTING SOIL

WEED BARRIER

2"x4"x24"
WOOD STAKE

STAKES, WIRE & COLLARS
TO BE REMOVED AFTER
ONE GROWING SEASON

SOIL MIXTURE FOR WATER
ABSORPTION TEST

1. PROVIDE AND INSTALL HEALTHY PLANT MATERIALS THAT MEET ALL SPECIFICATIONS AND ARE OF THE SIZE, TYPE AND SPECIES NAMED ON THE PLANT SCHEDULE AND SHOWN ON THE PLANS.
2. DIG PLANT HOLE 1'-0" MINIMUM LARGER ON ALL SIDES THAN ROOT BALL.
3. PRIOR TO PLACING TREE, SCARIFY BOTTOM AND SIDES OF THE PLANTING HOLE.
4. TEST SOIL ABSORPTION.
5. FILL HOLE PARTIALLY WITH SUPPLEMENTED SOIL MIXTURE, ADD WATER AND ALLOW TO PUDDLE AND SETTLE PRIOR TO SETTING TREE.
6. AFTER PUDDLING HAS SETTLED, SET TREE AND BACK FILL WITH SUPPLEMENTED SOIL MIXTURE.
7. WATER THOROUGHLY AND ADD BACK FILL AS NEEDED AFTER MOISTURE IS ABSORBED.
8. BUILD SOIL DIKE AROUND PERIPHERY OF TREE TO HOLD WATER.
9. AFTER SETTLEMENT, MULCH WITH MINIMUM 4" LAYER SHREDDED BARK, WOOD CHIPS OR AS OTHERWISE SPECIFIED. DO NOT PLACE MULCH OVER THE ROOT COLLAR.
10. REMOVE DEAD OR DAMAGED BRANCHES RETAINING THE NATURAL FORM OF THE TREE.

BARE ROOT PLANTING NOTE:
IF BARE ROOT MATERIAL IS SPECIFIED
THESE ADDITIONAL REQUIREMENTS MUST
BE MET:

1. ROOTS MUST BE SOAKED OVERNIGHT THE NIGHT BEFORE PLANTING.
2. ROOTS MUST BE PROTECTED FROM DRYING OUT DURING THE INSTALLATION PROCESS.
3. ALL DAMAGED, DISEASED OR DESIGNATED ROOTS AND ROOT ENDS MUST BE CLEANLY PRUNED. TREE SHALL NOT HAVE GIRDLING ROOTS.

BAG & BALL PLANTING NOTE:

1. REMOVE WRAPPING AND ALL TIES OR STRAPS. IF ROOT BALL IS WRAPPED IN BURLAP THE LOWER PORTION OF THE FABRIC MAY BE LEFT AT THE BOTTOM OF THE HOLE. SYNTHETIC WRAP MUST BE REMOVED AND PROPERLY DISPOSED.
2. LOOSEN ROOTS TO ENSURE THEY ARE NOT GIRDLING THE ROOT BALL.
3. SALVAGE AND REUSE ALL SOIL THAT CAME WITH THE ROOT BALL.
4. WATER THE ROOT BALL PRIOR TO PLACING IT IN THE HOLE.
5. IF TREE IS CONTAINER GROWN, SALVAGE ALL SOIL AND MIX WITH SUPPLEMENTED SOIL FOR BACK FILL.

NOTE: INCLUDE ADDITIONAL NOTES PROVIDED THAT PERTAIN TO TYPE
OF PLANTING CALLED OUT IN THE PLAN.

ENGINEER TO DETERMINE IF MULCH AND WEED BARRIER ARE
INCIDENTAL TO PLANTING OR PAID AS SEPARATE ITEMS.



STANDARD DETAIL CONIFEROUS TREE PLANTING CITY OF JORDAN

STANDARD DETAIL
NO. 9007J
DATE MARCH 2025