



STANDARD DETAIL PLATES

PLATE NUMBER	DESCRIPTION
SANITARY	
5001J	SANITARY SEWER MANHOLE
5003J	SANITARY SEWER DROP MANHOLE
5004J	SANITARY SEWER SERVICE CLEANOUT
5005J	NON-RIGID SANITARY SEWER TRENCH
5006J	INSULATION FOR NON-RIGID SANITARY SEWER
5016J	ROCK EXCAVATION FOR SANITARY SEWER
5017J	SANITARY SEWER SERVICE
5019J	STRUCTURE MARKER SIGNS
WATER	
6001J	HYDRANT INSTALLATION
6004J	WATERMAIN OFFSET
6005J	WATER VALVE MANHOLE
6007J	DUCTILE IRON WATERMAIN TRENCH
6008J	HYDRANT LOCATION
6009J	WATER SERVICE INSTALLATION
6010J	GATE VALVE AND BOX INSTALLATION
6011J	WATERMAIN INSULATION
6012J	GATE VALVE ADAPTOR
6020J	CONCRETE THRUST BLOCKS
6023J	WATERMAIN WET TAP
6024J	IRRIGATION SYSTEM TAP, METER AND BACKFLOW PREVENTOR ASSEMBLY
6025J	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
7008J	DRY CAST MODULAR BLOCK RETAINING WALL
70010J	TRANSITION TO B618 CURB AT CATCH BASIN
7011J	CONTRACTION JOINT
7014J	TYPICAL BARRICADE
7015J	DEPRESSED CURB WITH DRIVEWAY APRON
7017J	CONCRETE DRAINAGE PAN
8003J	WETLAND BUFFER SIGN
MISC.	
9009J	TREE PRESERVATION FENCE
9012J	MAILBOX INSTALLATION
9014J	TYPICAL LOCATION OF PUBLIC UTILITIES
9015J	FUTURE THROUGHT STREET SIGN

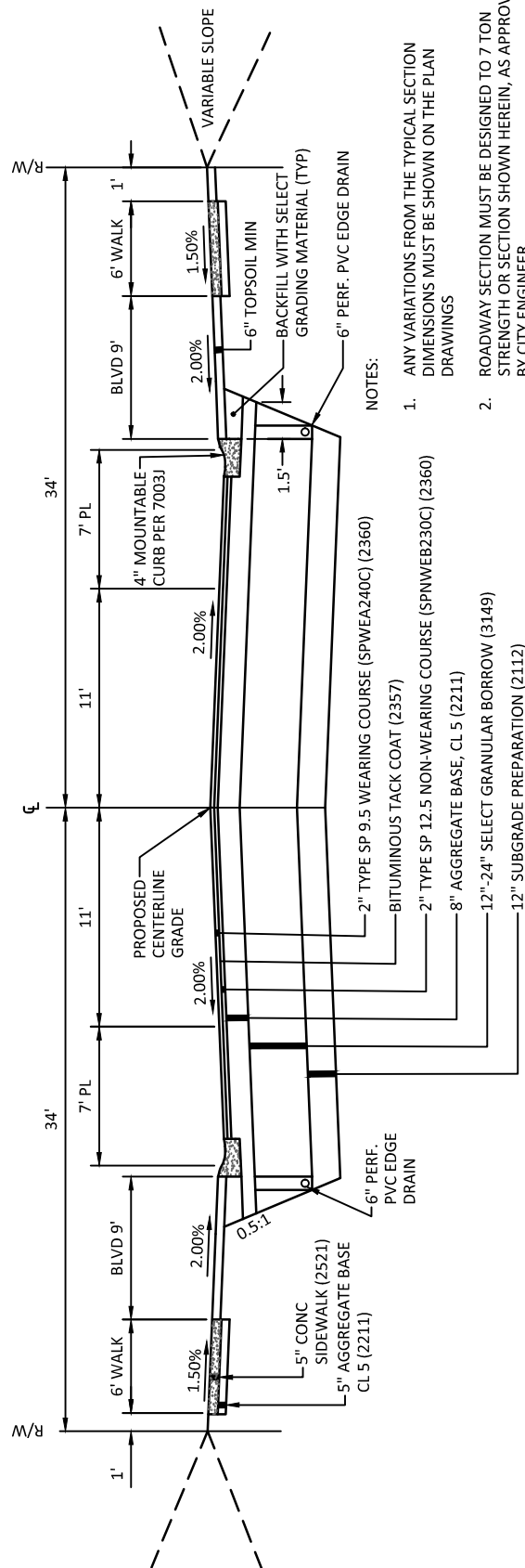
PLATE NUMBER	DESCRIPTION
STREETS	
1000J	TYPICAL SECTION - LOCAL STREET
1001J	TYPICAL SECTION - MINOR COLLECTOR
1002J	TYPICAL SECTION - MAJOR COLLECTOR
1003J	BITUMINOUS TRAIL
1004J	BITUMINOUS STREET PATCH
1005J	CONCRETE DRIVEWAY PAVEMENT
LIGHTING	
2003J	DECORATIVE STREET LIGHT - ACORN
2004J	DECORATIVE STREET LIGHT - TRADITIONAL
2005J	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	ROCK CONSTRUCTION ENTRANCE
3008J	EROSION CONTROL BLANKET INSTALLATION
3009J	TYPICAL SEDIMENT BASIN CROSS SECTION
3010J	RIPRAP DITCH CHECK
3011J	INLET PROTECTION PERFORATED WALL
3013J	BIOROLL DITCH CHECK
3014J	INLET PROTECTION - GEOTEXTILE BAG
3015J	INLET PROTECTION - ROCK BAG
3016J	RISER STANDPIPE
3017J	FLOTATION SILT CURTAIN
3018J	ALTERNATE CULVERT STANDPIPE
3019J	RIPRAP AT RIVER OUTFALL
3020J	RCP END RIPRAP DETAIL
3031J	ARTICULATED BLOCK AT FLARED END
3032J	TYPICAL BENCH DETAIL
STORM	
4001J	RC STORM SEWER CLASS C BEDDING
4002J	RC STORM SEWER CLASS B BEDDING
4006J	STORM SEWER STRUCTURE DES F, TYPE A CONE
4007J	DRAINAGE STRUCTURE DESIGN J
4010J	ROADWAY EDGE DRAIN
4014J	POND SKIMMER STRUCTURE WITH RATE CONTROL BAFFLE
4015J	POND SKIMMER STRUCTURE
4018J	SUBSURFACE DRAIN CLEANOUT
4020J	DRAINAGE STRUCTURE DESIGN 4020
4022J	DRAINAGE STRUCTURE DESIGN 4022
4029J	DRAINAGE STRUCTURE DESIGN R-1 (2'X3)
4030J	RC APRON TRASH GUARD
4031J	CONCRETE CURB & GUTTER TRANSITION & CATCH BASIN LOCATION
#####	#####



STANDARD DETAIL
TYPICAL SECTION - LOCAL STREET
CITY OF JORDAN

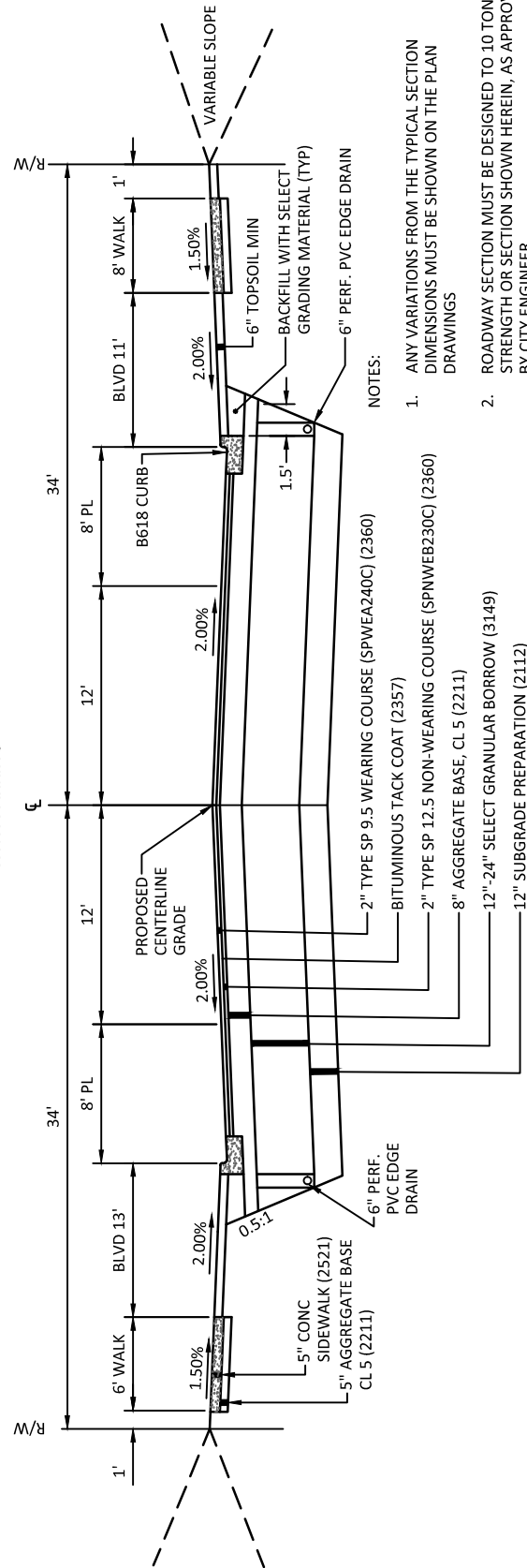
STANDARD DETAIL
NO. 1000J
DATE APRIL 2019

TYPICAL SECTION
LOCAL STREET

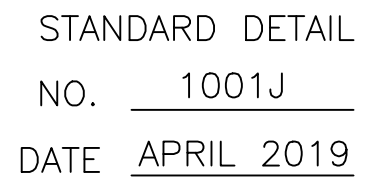


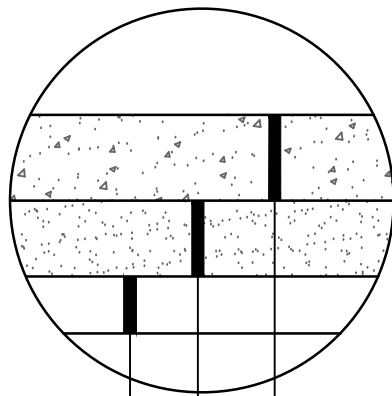
NOTES:

1. ANY VARIATIONS FROM THE TYPICAL SECTION DIMENSIONS MUST BE SHOWN ON THE PLAN DRAWINGS
2. ROADWAY SECTION MUST BE DESIGNED TO 7 TON STRENGTH OR SECTION SHOWN HEREIN, AS APPROVED BY CITY ENGINEER.
3. SEE CITY CODE, 153.11 FOR ADDITIONAL DESIGN STANDARDS.



- _____ BITUMINOUS TACK COAT (2357)
 _____ 2" TYPE SP 12.5 NON-WEARING COURSE (SPNWEB230C) (2360)
 _____ 8" AGGREGATE BASE, CL 5 (2211)
 _____ 12"-24" SELECT GRANULAR BORROW (3149)
 _____ 12" SUBGRADE PREPARATION (2112)





6" CONCRETE DRIVEWAY PAVEMENT (2531)

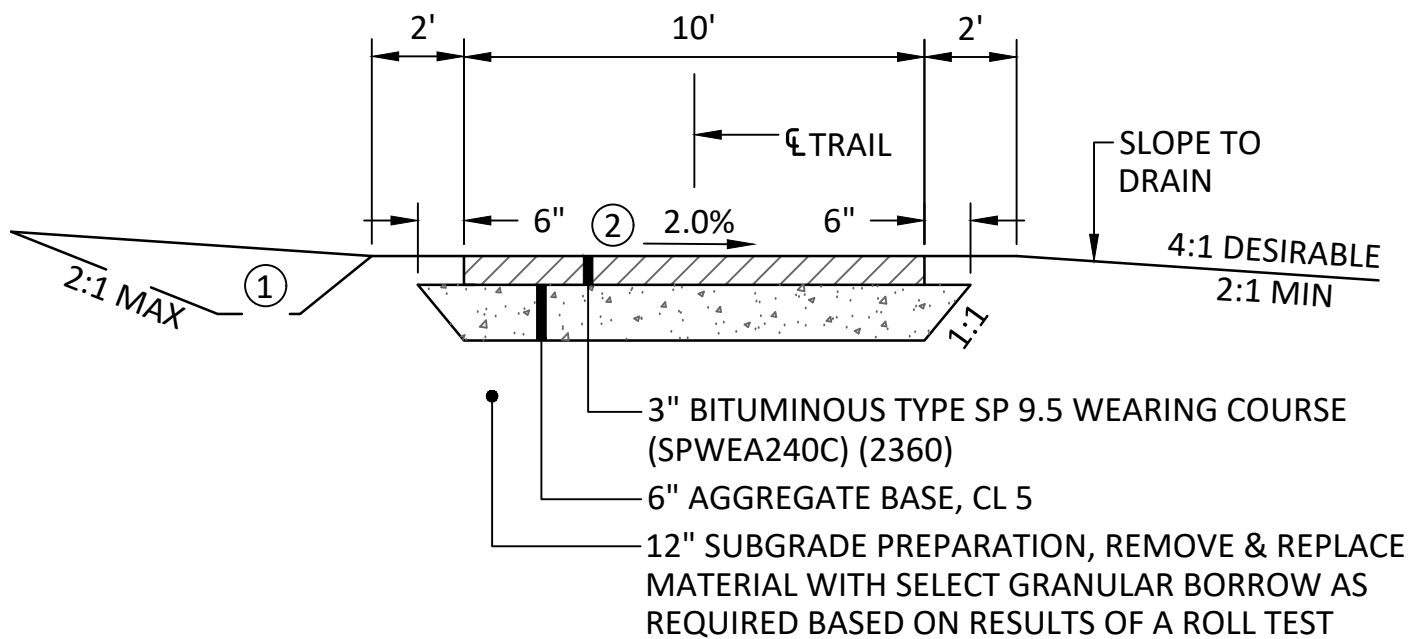
6" AGGREGATE BASE, CL 5 (2211) (INCIDENTAL)

SUBGRADE PREPARATION (2112) (INCIDENTAL)



STANDARD DETAIL
CONCRETE DRIVEWAY PAVEMENT
CITY OF JORDAN

STANDARD DETAIL
 NO. 1005J
 DATE APRIL 2019

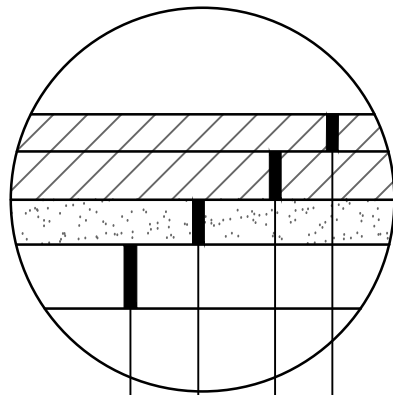


- ① DITCH IF REQUIRED FOR DRAINAGE
 ② SLOPE TOWARDS INSIDE OF CURVE



STANDARD DETAIL
 BITUMINOUS TRAIL
 CITY OF JORDAN

STANDARD DETAIL
 NO. 1003J
 DATE APRIL 2019



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)

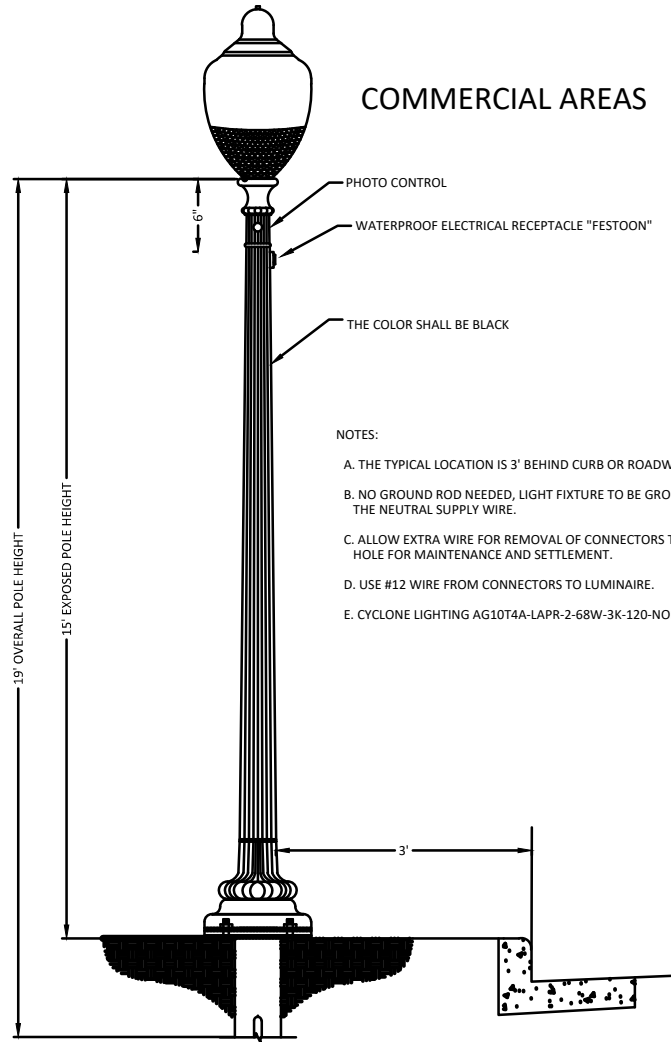
NOTE:
 SAW CUT ALL ADJACENT PAVEMENT EDGES AND APPLY TACK MATERIAL TO ALL EDGES. DEPTHS SHOWN ARE MINIMUM. MATCH EXISTING PAVEMENT AND AGGREGATE BASE DEPTHS. PREPARE SUBGRADE TO APPROVAL OF THE CITY.



STANDARD DETAIL
 BITUMINOUS STREET PATCH
 CITY OF JORDAN

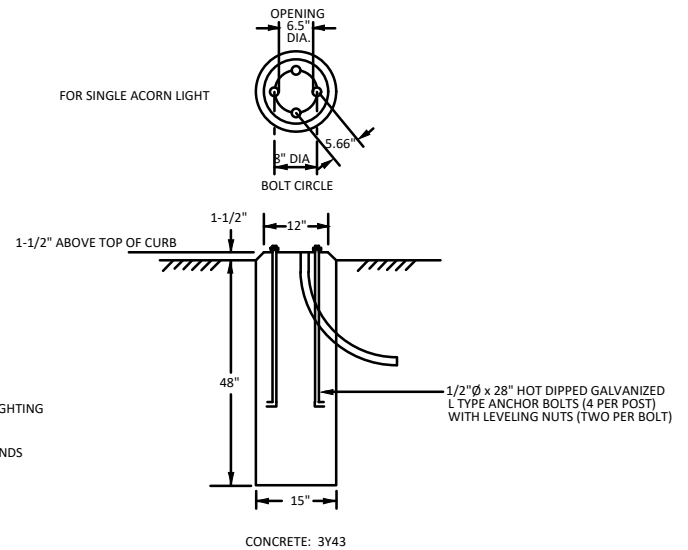
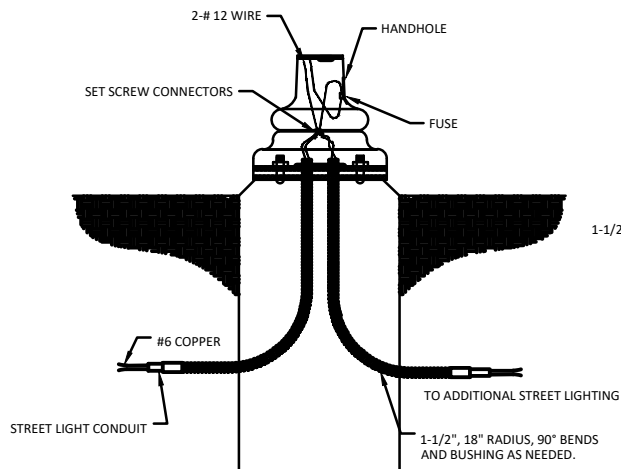
STANDARD DETAIL
 NO. 1004J
 DATE APRIL 2019

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 AG10T4A-LAPR-2-68W-3K-120-NONE-PT-BK-TX, OR APPROVED EQUAL



STANDARD DETAIL DECORATIVE STREET LIGHT - ACORN CITY OF JORDAN

STANDARD DETAIL
NO. 2003J
DATE APRIL 2019

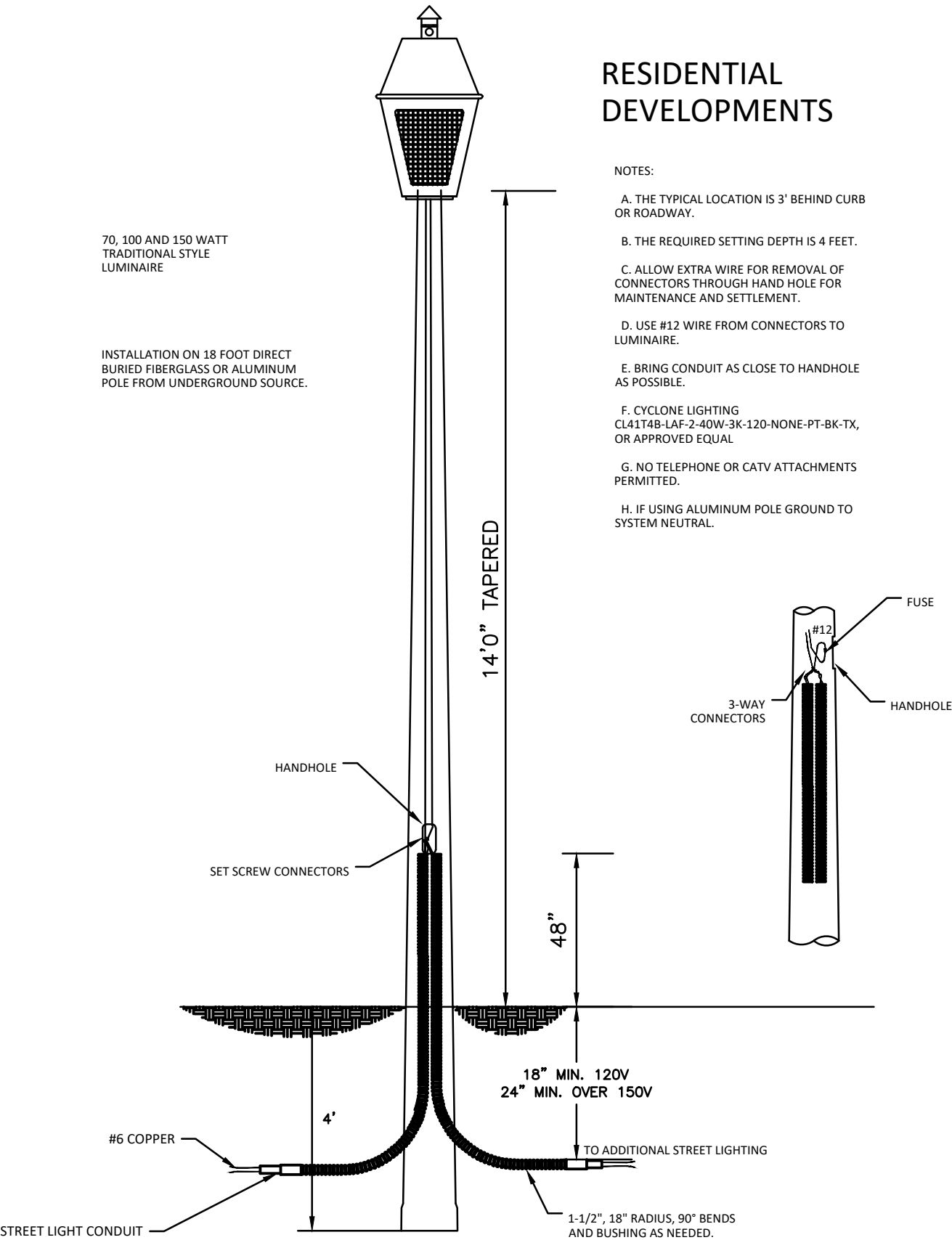
RESIDENTIAL DEVELOPMENTS

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. CYCLONE LIGHTING
CL41T4B-LAF-2-40W-3K-120-NONE-PT-BK-TX,
OR APPROVED EQUAL
- G. NO TELEPHONE OR CATV ATTACHMENTS PERMITTED.
- H. IF USING ALUMINUM POLE GROUND TO SYSTEM NEUTRAL.

70, 100 AND 150 WATT
TRADITIONAL STYLE
LUMINAIRE

INSTALLATION ON 18 FOOT DIRECT
BURIED FIBERGLASS OR ALUMINUM
POLE FROM UNDERGROUND SOURCE.



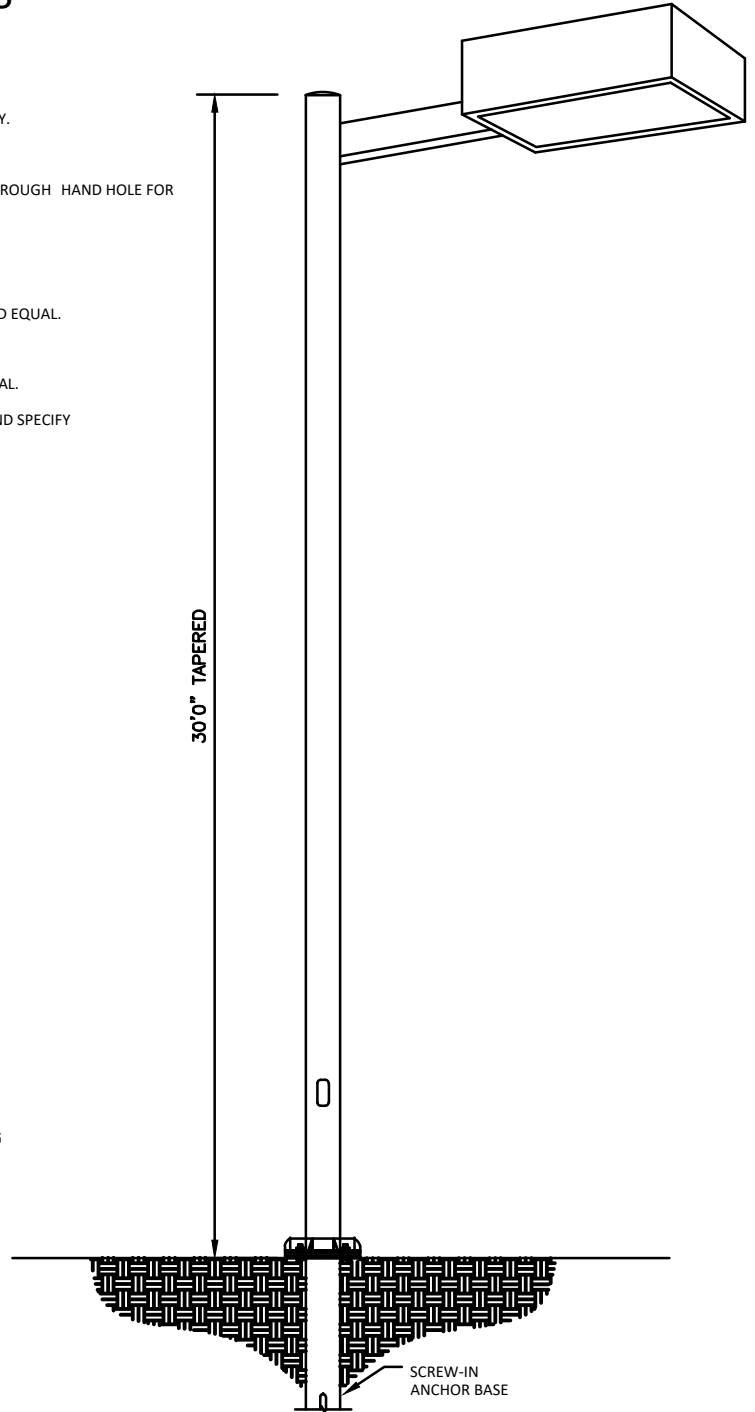
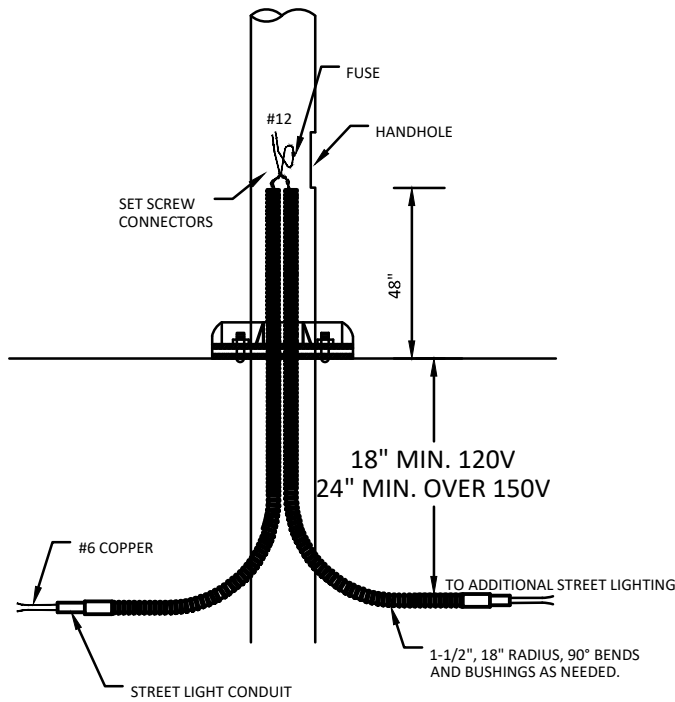
STANDARD DETAIL
DECORATIVE STREET LIGHT - TRADITIONAL
CITY OF JORDAN

STANDARD DETAIL
NO. 2004J
DATE APRIL 2019

COLLECTOR ROADWAYS

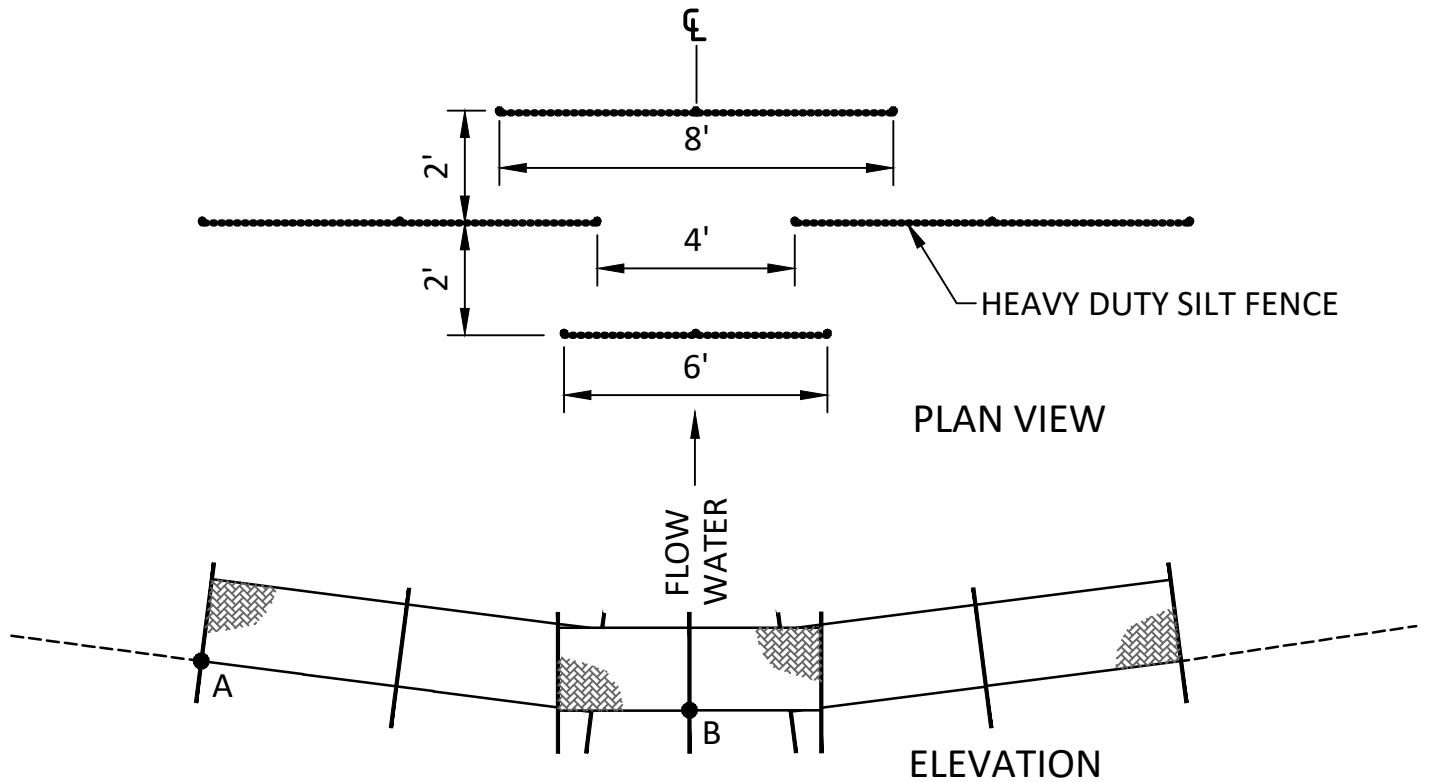
NOTES:

- 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. 2005J
DATE APRIL 2019



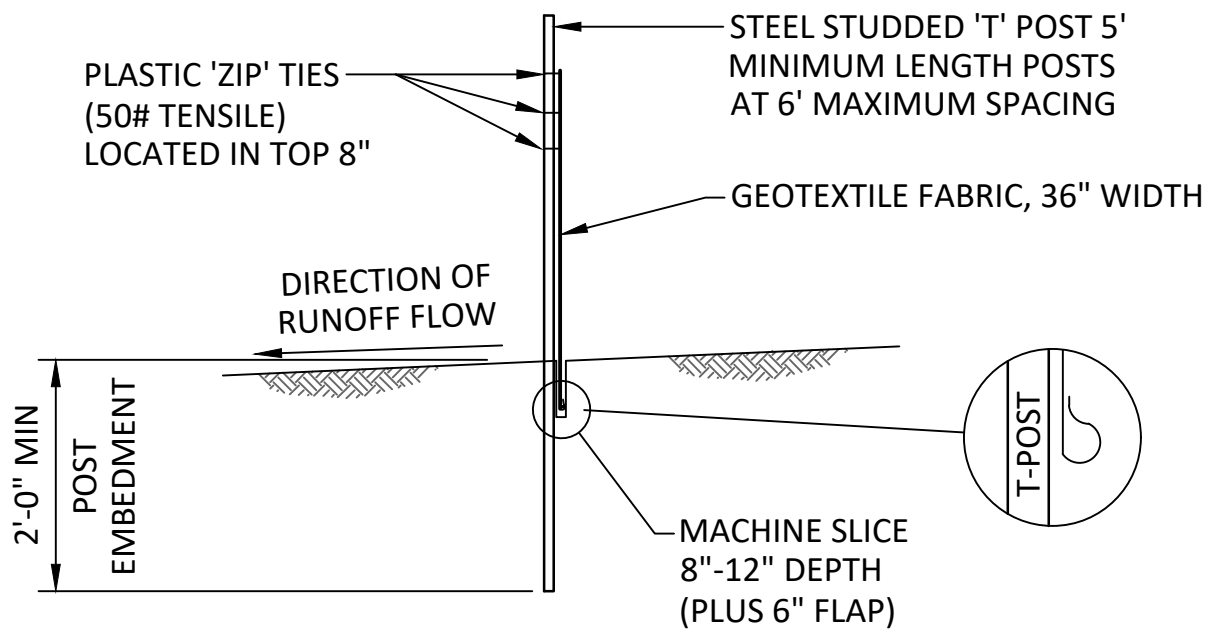
NOTES:

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



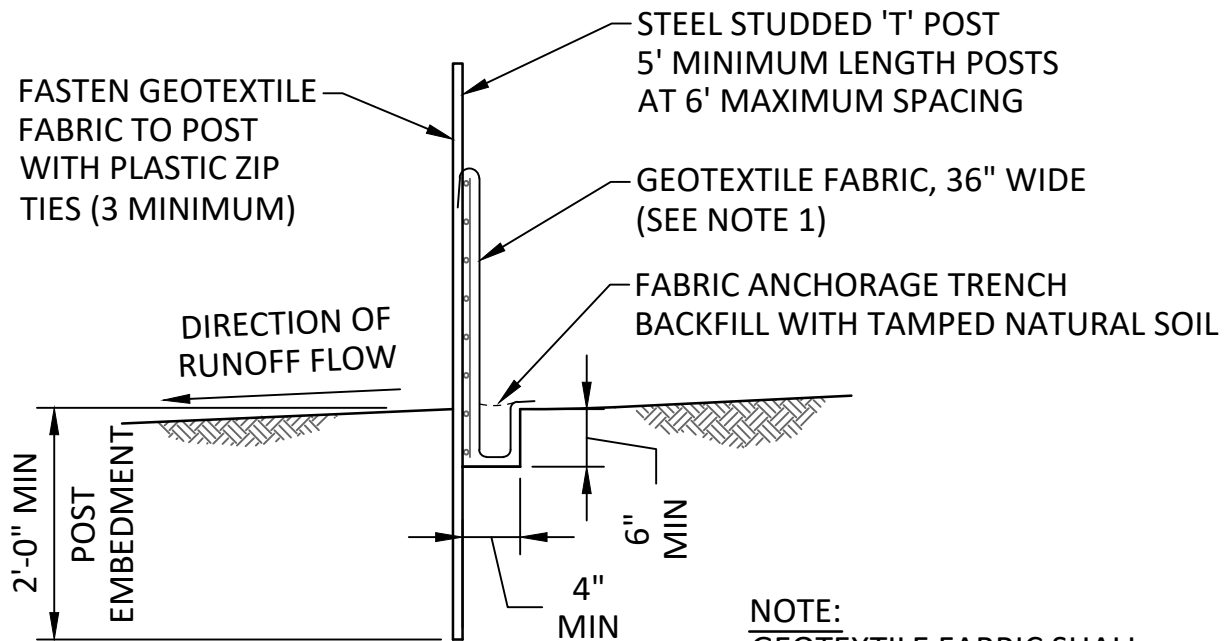
STANDARD DETAIL
VELOCITY CHECK - HD SILT FENCE
CITY OF JORDAN

STANDARD DETAIL
 NO. 3001J
 DATE APRIL 2019



STANDARD DETAIL
SILT FENCE - MACHINE SLICED
CITY OF JORDAN

STANDARD DETAIL
NO. 3002J
DATE APRIL 2019

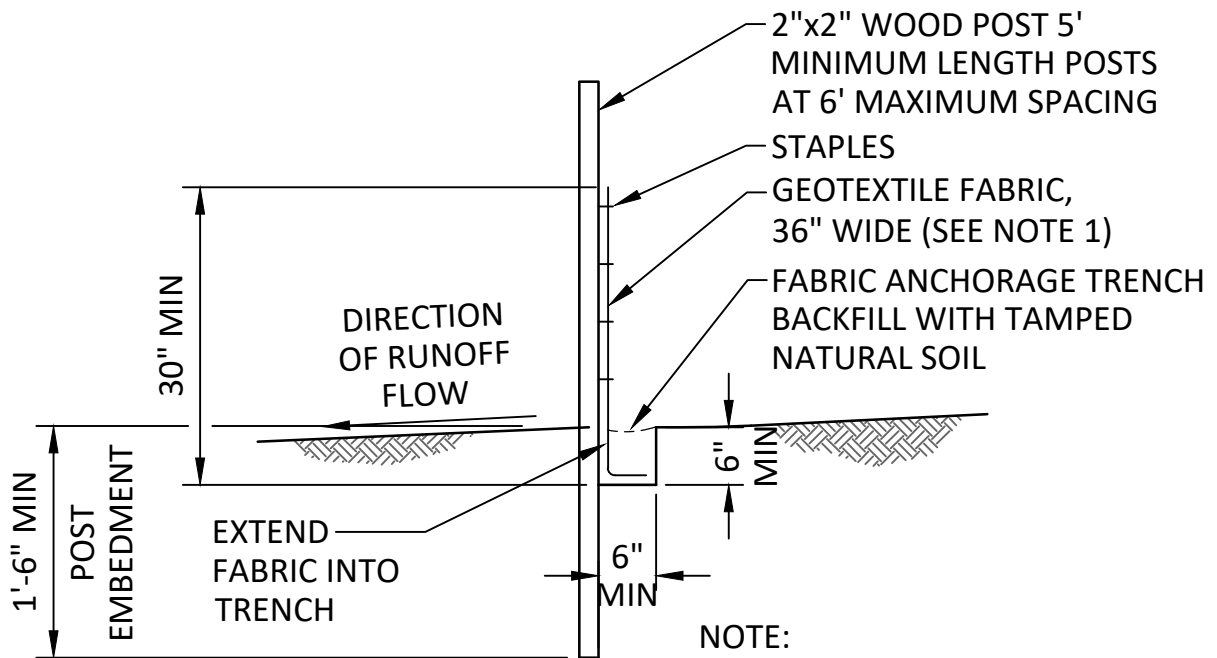


NOTE:
 GEOTEXTILE FABRIC SHALL
 BE PER MnDOT SPEC 3886



STANDARD DETAIL
SILT FENCE - HAVY DUTY
CITY OF JORDAN

STANDARD DETAIL
 NO. 3003J
 DATE APRIL 2019



NOTE:

1. GEOTEXTILE FABRIC SHALL BE PER MnDOT SPEC 3886



STANDARD DETAIL

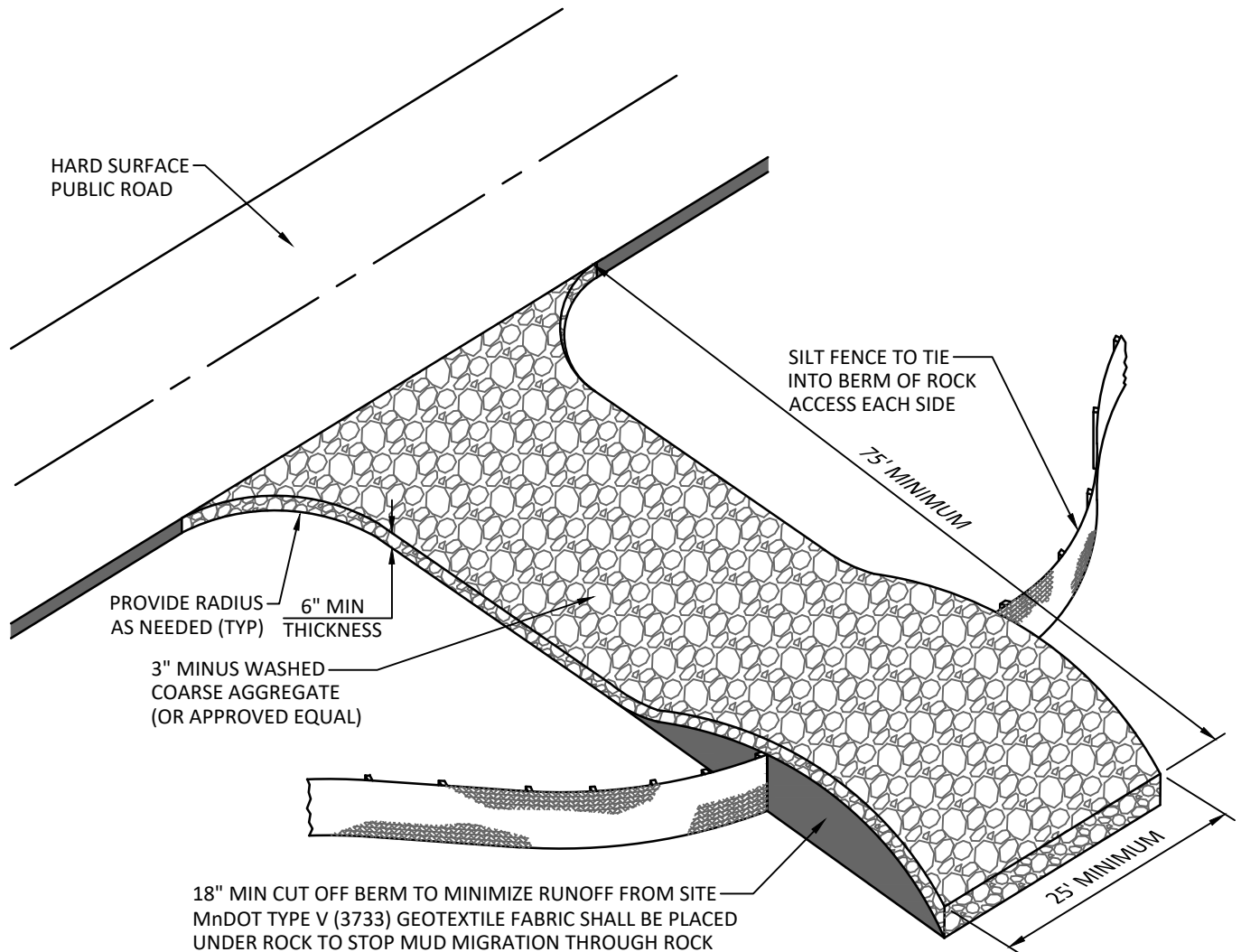
SILT FENCE - PREASSEMBLED

CITY OF JORDAN

STANDARD DETAIL

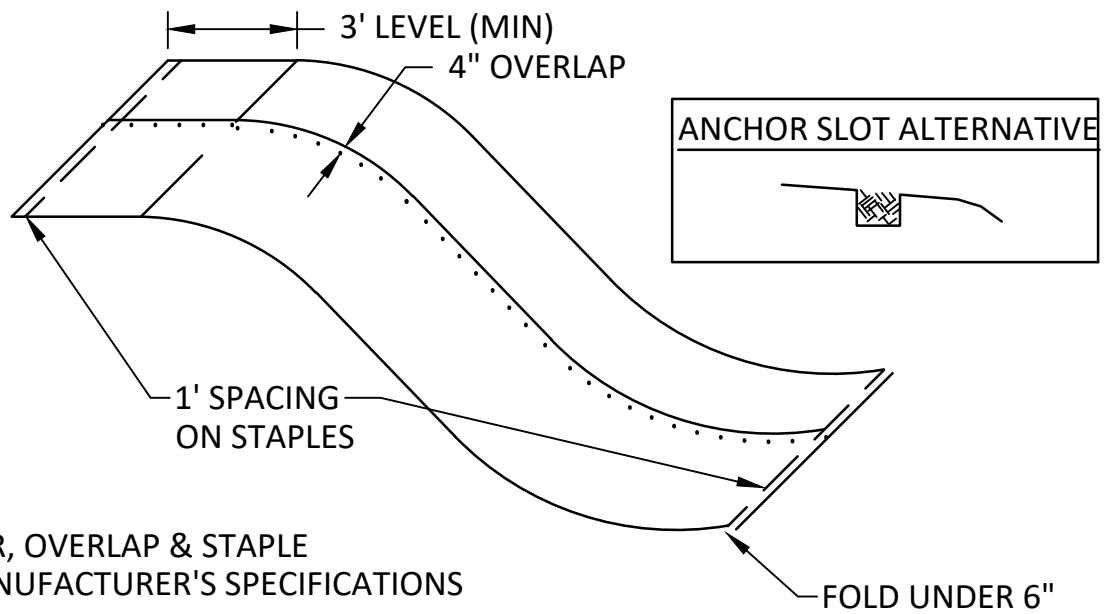
NO. 3004J

DATE APRIL 2019



STANDARD DETAIL
ROCK CONSTRUCTION ENTRANCE
CITY OF JORDAN

STANDARD DETAIL
NO. 3005J
DATE APRIL 2019

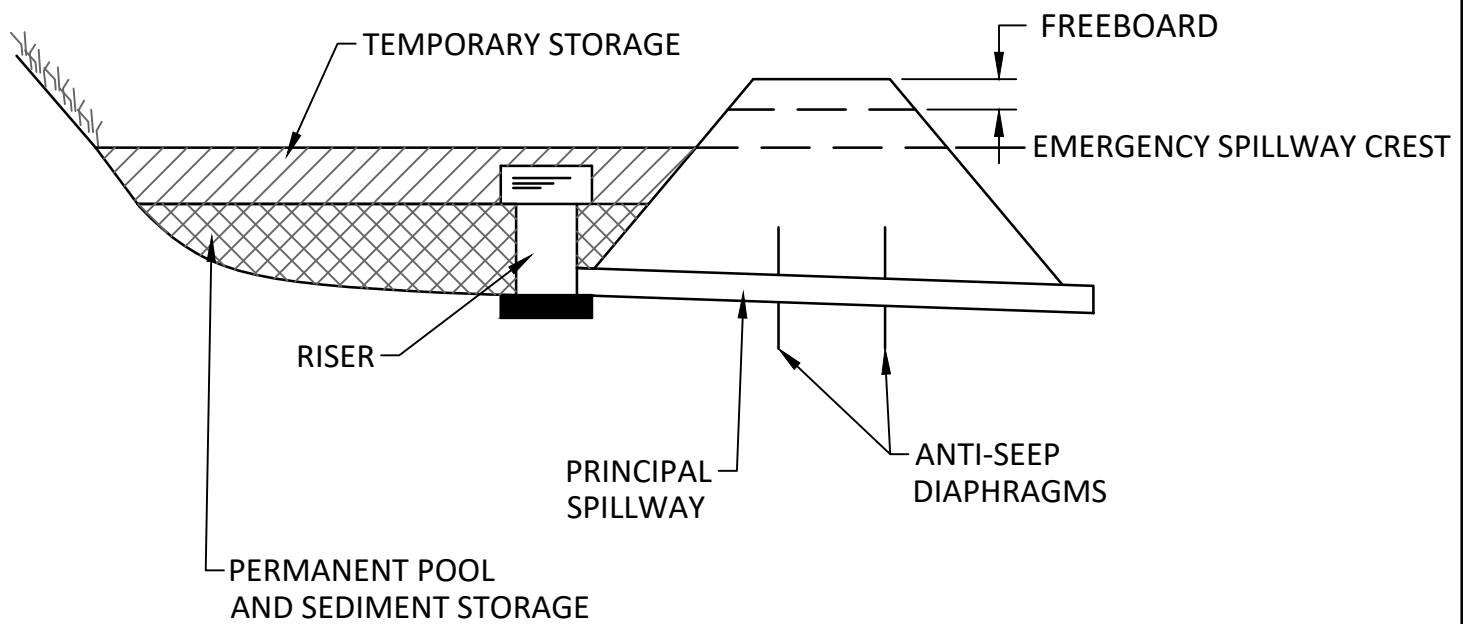


STANDARD DETAIL

EROSION CONTROL BLANKET INSTALLATION

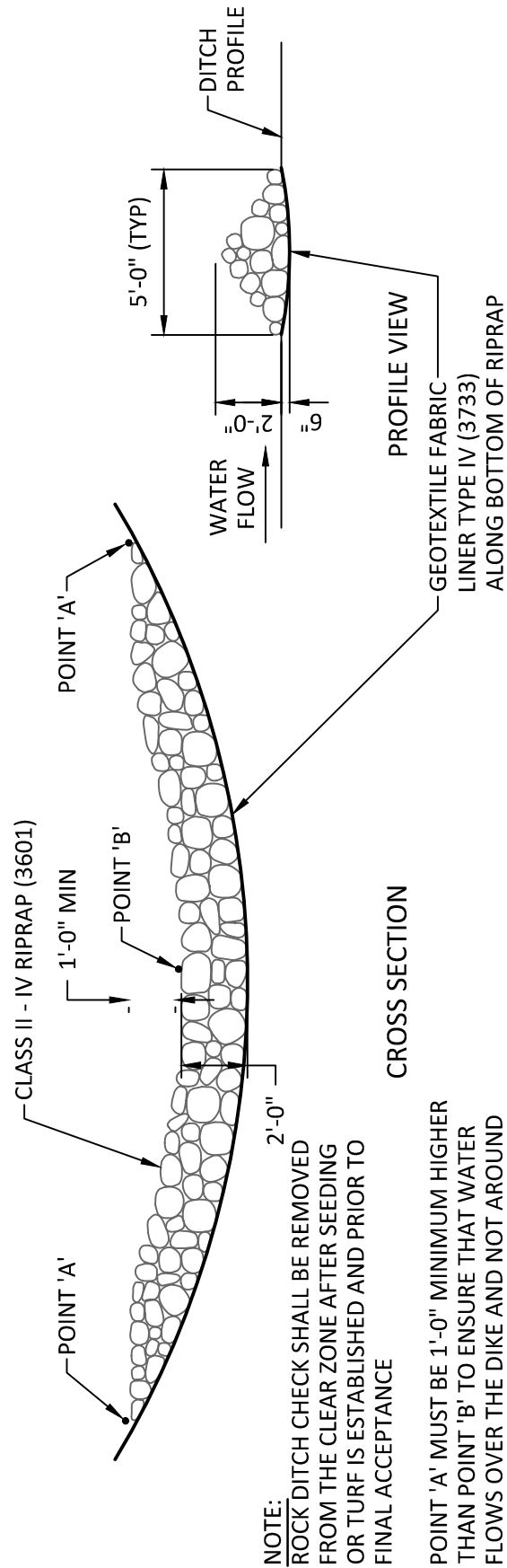
CITY OF JORDAN

STANDARD DETAIL
NO. 3008J
DATE APRIL 2019



STANDARD DETAIL
TYPICAL SEDIMENT BASIN CROSS SECTION
CITY OF JORDAN

STANDARD DETAIL
 NO. 3009J
 DATE APRIL 2019



NOTE:

ROCK DITCH CHECK SHALL BE REMOVED FROM THE CLEAR ZONE AFTER SEEDING OR TURF IS ESTABLISHED AND PRIOR TO FINAL ACCEPTANCE

POINT 'A' MUST BE 1'-0" MINIMUM HIGHER THAN POINT 'B' TO ENSURE THAT WATER FLOWS OVER THE DIKE AND NOT AROUND THE ENDS.

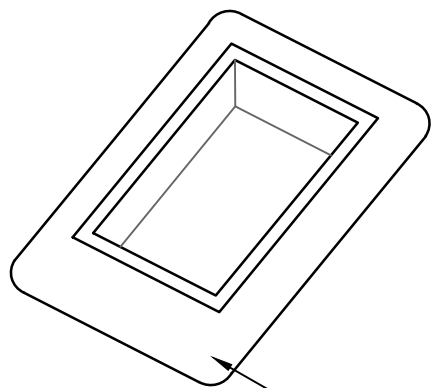
DITCH CHECK - RIPRAP

NOT TO SCALE

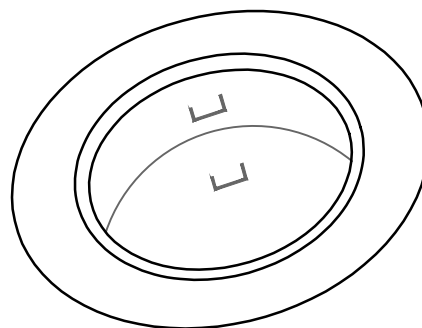


STANDARD DETAIL RIPRAP DITCH CHECK CITY OF JORDAN

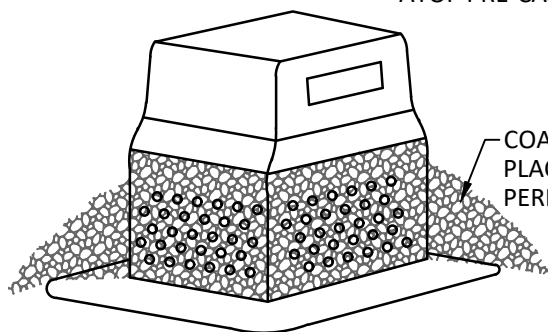
STANDARD DETAIL
NO. 3010J
DATE APRIL 2019



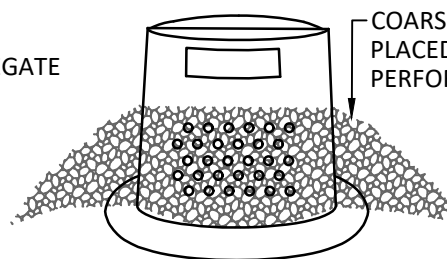
PLACE BARRIER FRAME
ATOP PRE-CAST TOP SLAB



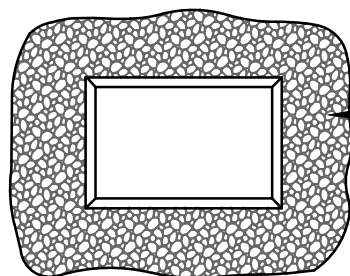
PLACE BARRIER FRAME
ATOP PRE-CAST TOP SLAB



COARSE FILTER AGGREGATE
PLACED TO COVER
PERFORATIONS

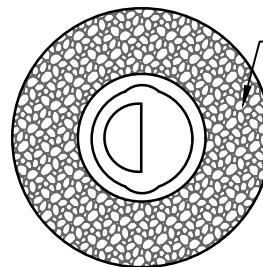


COARSE FILTER AGGREGATE
PLACED TO COVER
PERFORATIONS



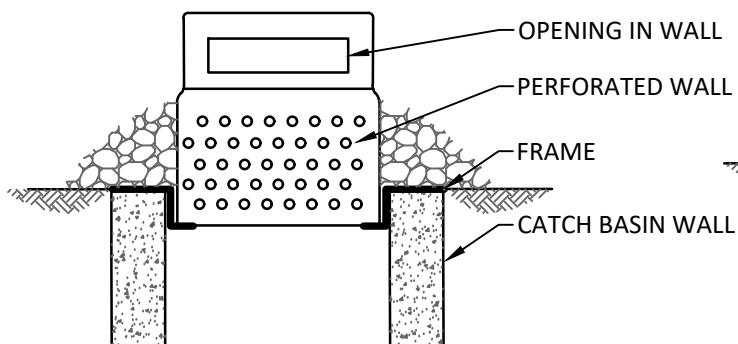
COARSE FILTER AGGREGATE
PLACED TO COVER
PERFORATIONS

TOP VIEW

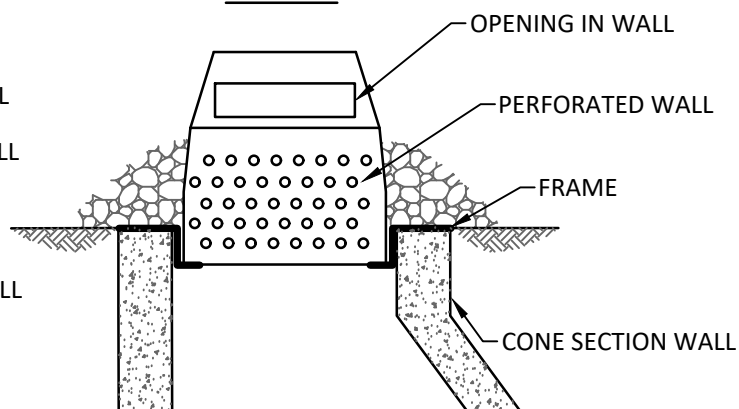


COARSE FILTER AGGREGATE
PLACED TO COVER
PERFORATIONS

TOP VIEW



OPENING IN WALL
PERFORATED WALL
FRAME
CATCH BASIN WALL

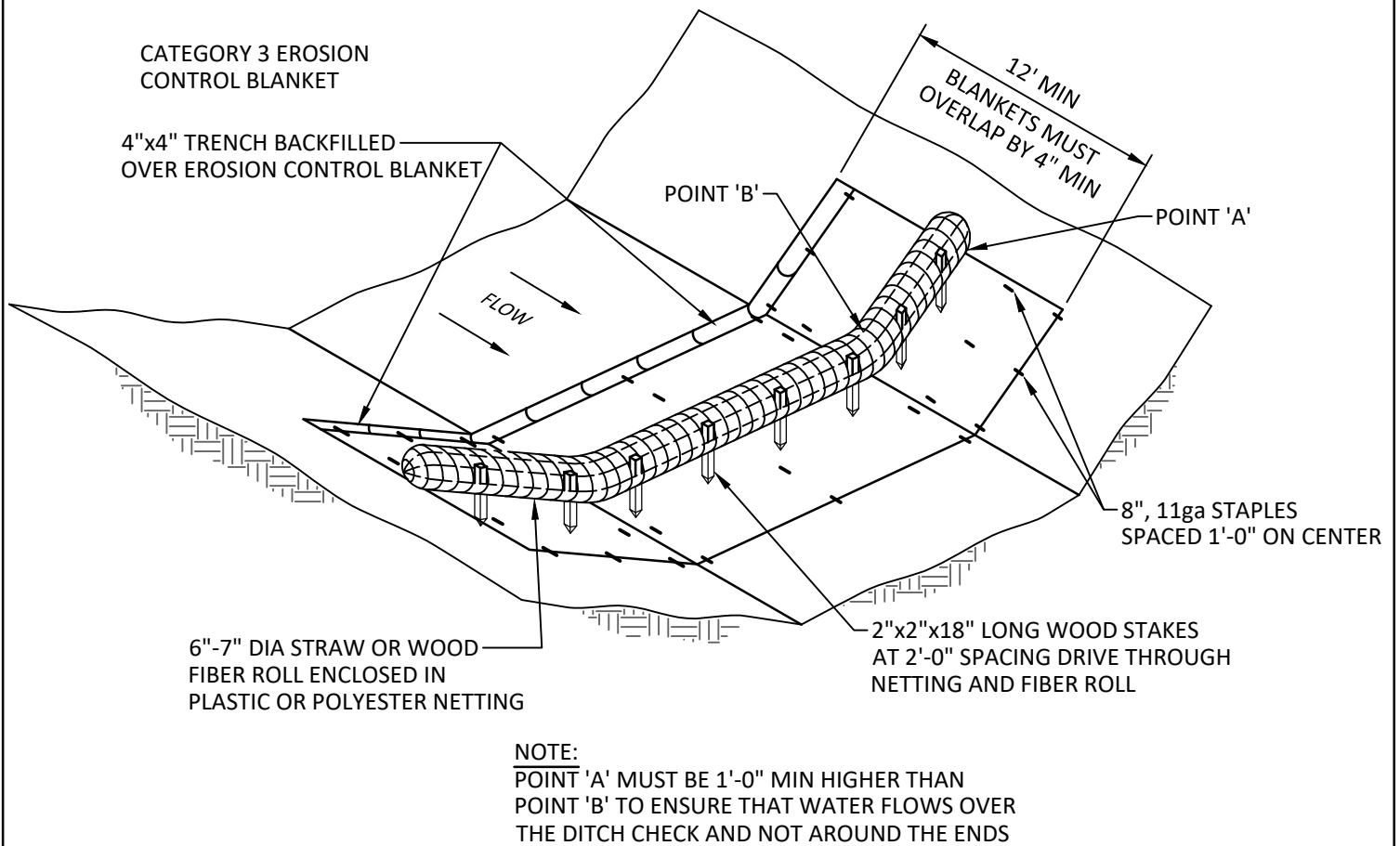


OPENING IN WALL
PERFORATED WALL
FRAME
CONE SECTION WALL



STANDARD DETAIL
INLET PROTECTION PERFORATED WALL
CITY OF JORDAN

STANDARD DETAIL
NO. 3011J
DATE APRIL 2019



STANDARD DETAIL
BIOROLL DITCH CHECK
CITY OF JORDAN

STANDARD DETAIL
NO. 3013J
DATE APRIL 2019

NOTES:

- 1** INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF 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.
- 2** FINISHED SIZE, INCLUDING POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.

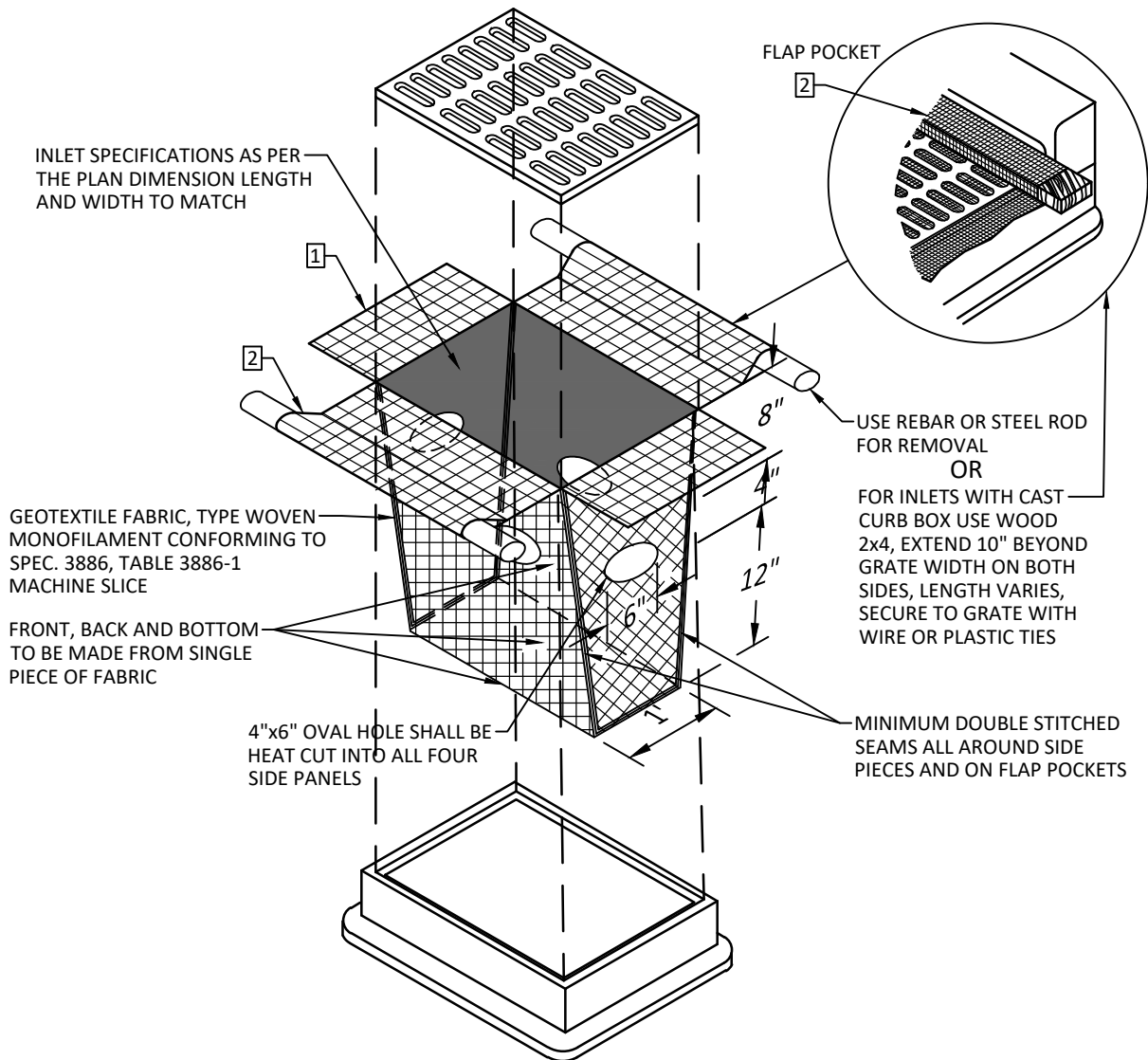
FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2x4.

INSTALLATION NOTES:

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

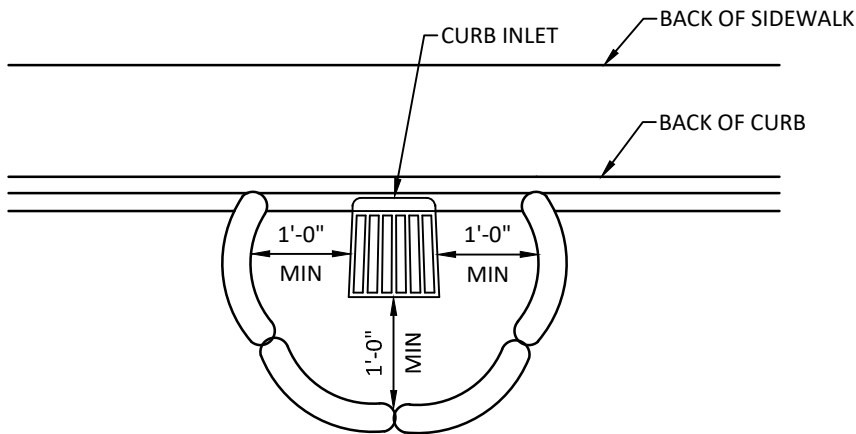
TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

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.



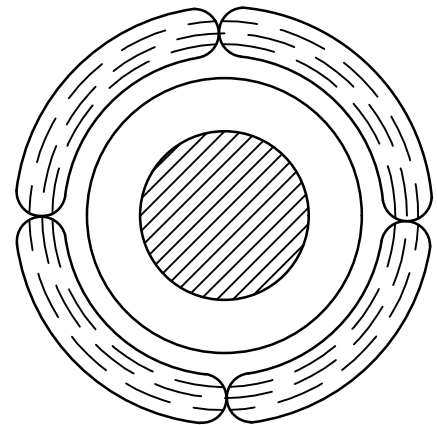
STANDARD DETAIL
INLET PROTECTION - GEOTEXTILE BAG
CITY OF JORDAN

STANDARD DETAIL
NO. 3014J
DATE APRIL 2019



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

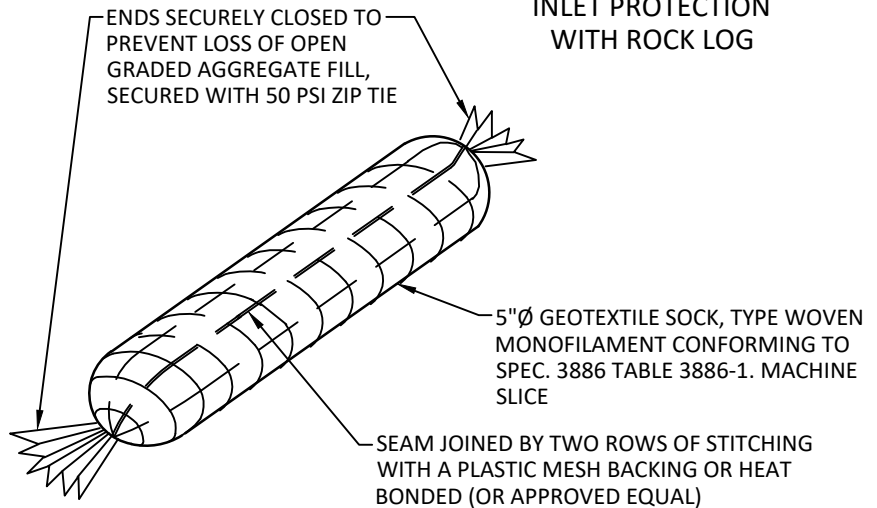


FILL ROCK LOG WITH 45 LBS. OF OPEN
GRADED AGGREGATE CONSISTING OF
SOUND, DURABLE PARTICLES OF CRUSHED
QUARRY ROCK OR GRAVEL CONFORMING
TO THE FOLLOWING GRADATION.

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

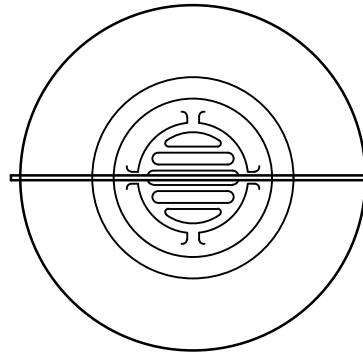
NOTE:
CRUSHED CONCRETE OR BITUMINOUS
SHALL NOT BE USED FOR OPEN
GRADED AGGREGATE.

**INLET PROTECTION
WITH ROCK LOG**



STANDARD DETAIL
INLET PROTECTION - ROCK BAG
CITY OF JORDAN

STANDARD DETAIL
NO. 3015J
DATE APRIL 2019



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

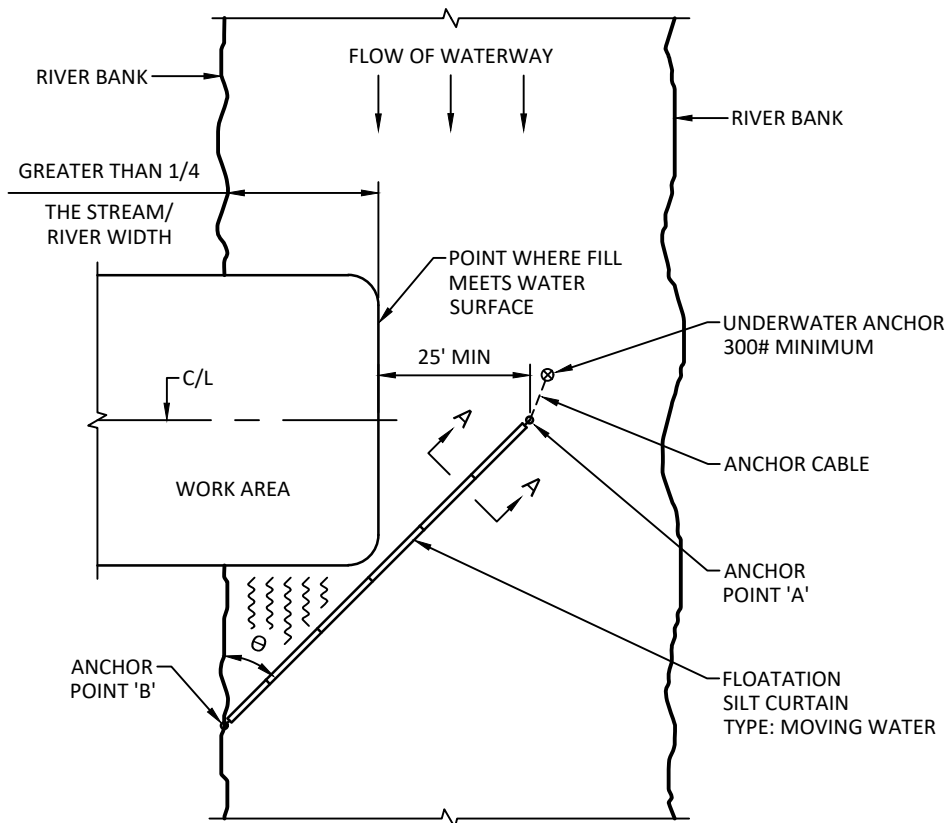
NOTE:

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



STANDARD DETAIL
RISER STANDPIPE
CITY OF JORDAN

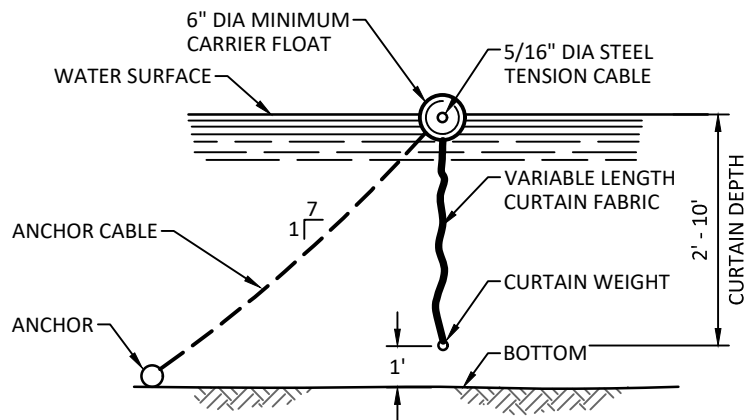
STANDARD DETAIL
NO. 3016J
DATE APRIL 2019



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

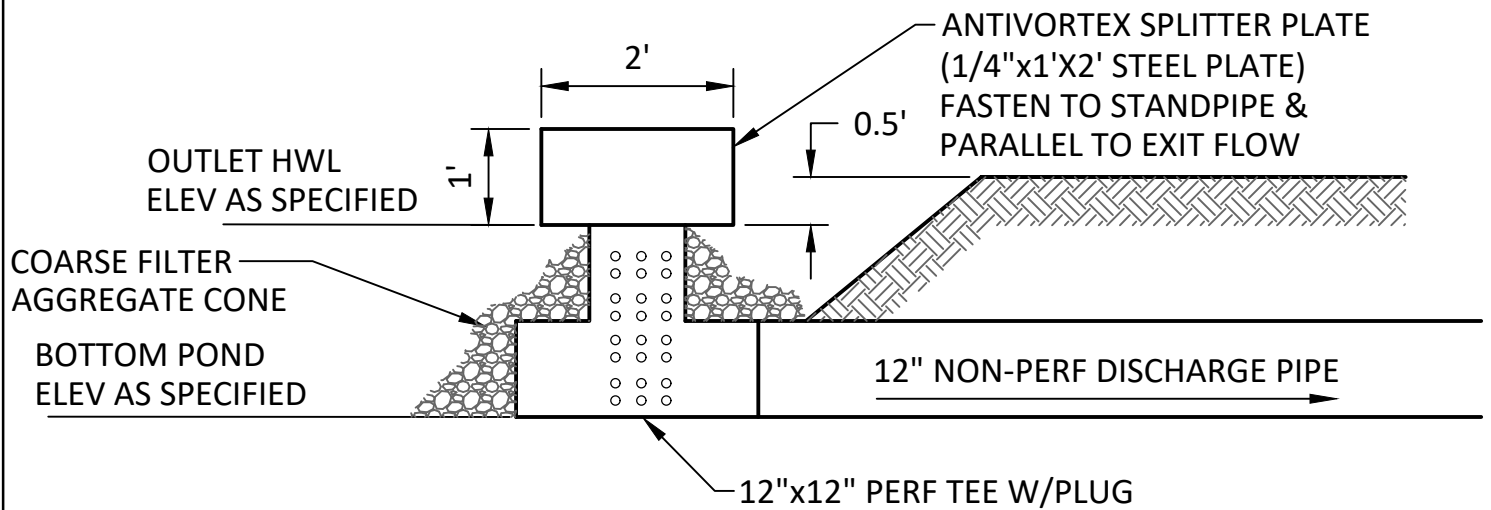


SECTION A-A



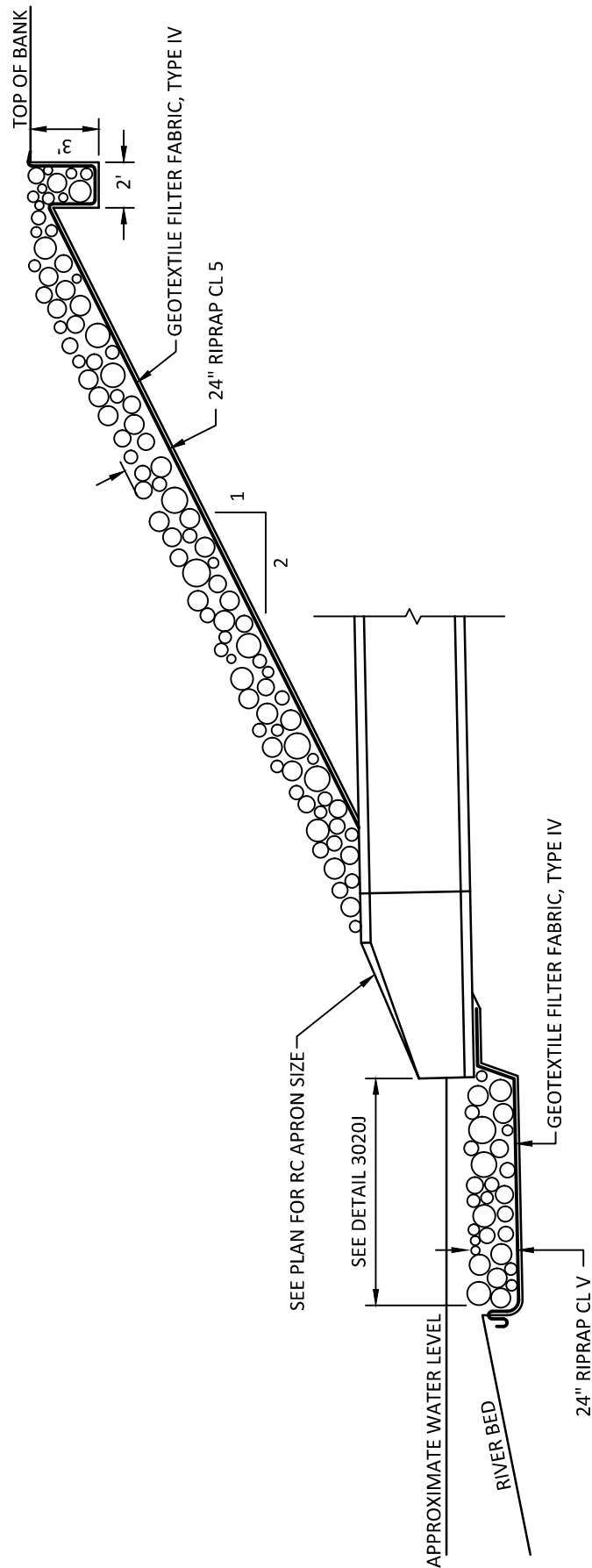
STANDARD DETAIL
FLOTATION SILT CURTAIN
CITY OF JORDAN

STANDARD DETAIL
NO. 3017J
DATE APRIL 2019



STANDARD DETAIL
ALTERNATE CULVERT STANDPIPE
CITY OF JORDAN

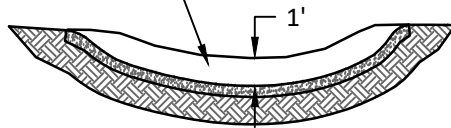
STANDARD DETAIL
NO. 3018J
DATE APRIL 2019



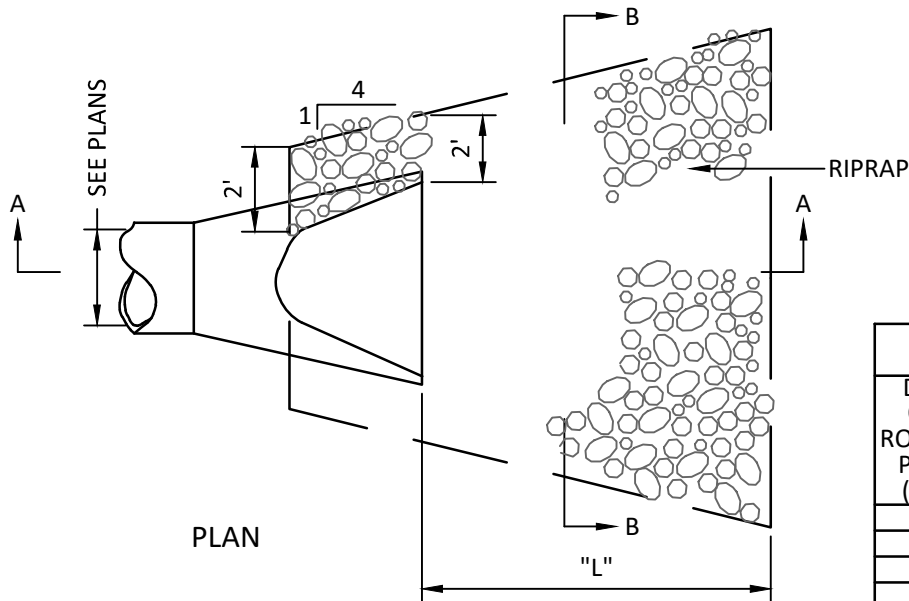
STANDARD DETAIL
RIPRAP AT RIVER OUTFALL
CITY OF JORDAN

STANDARD DETAIL
 NO. 3019J
 DATE APRIL 2019

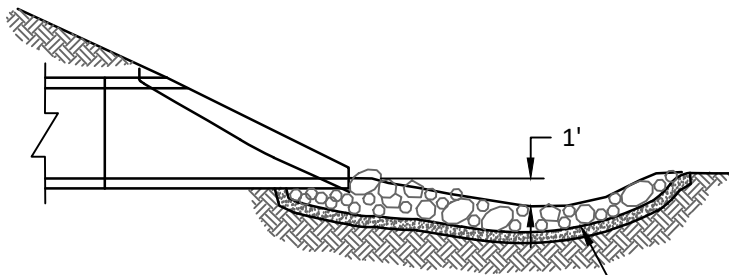
SEE TABLE FOR
MINIMUM DEPTH



SECTION B-B



PLAN



SECTION A-A

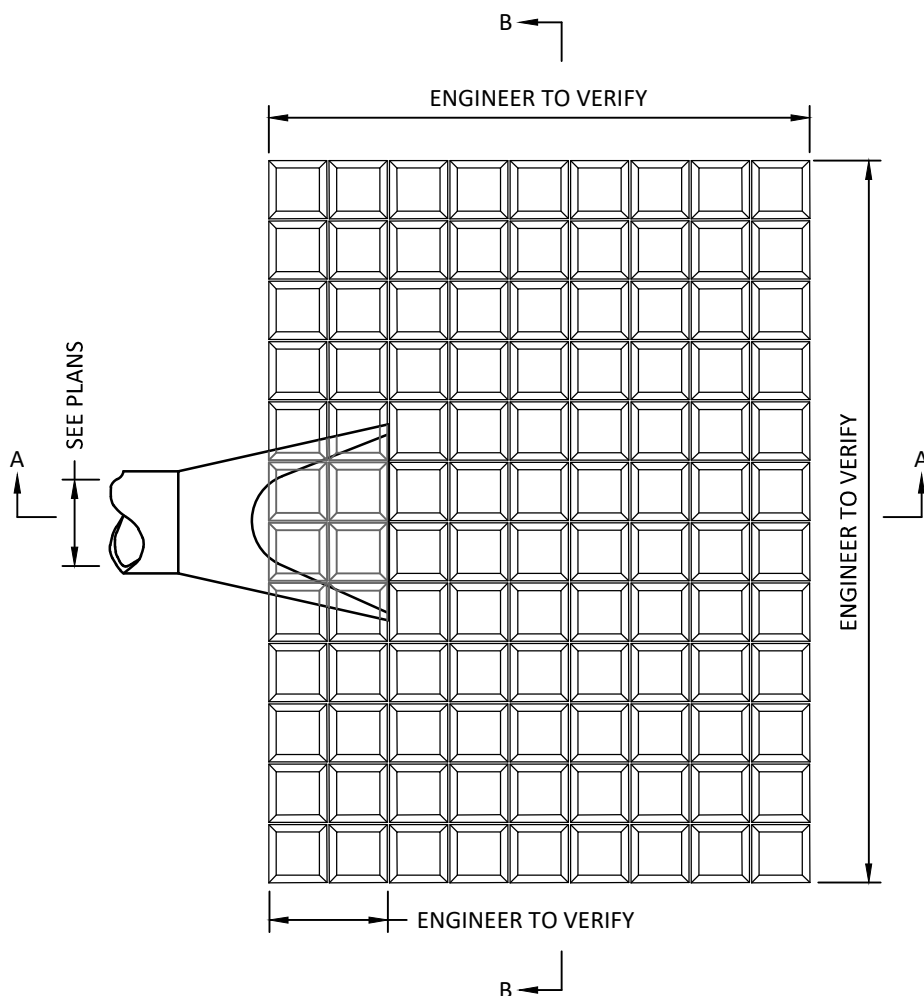
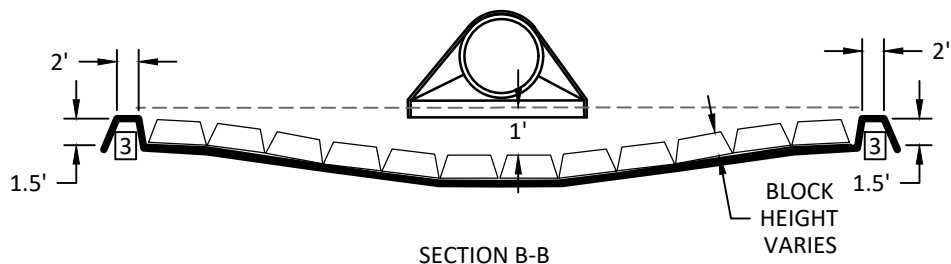
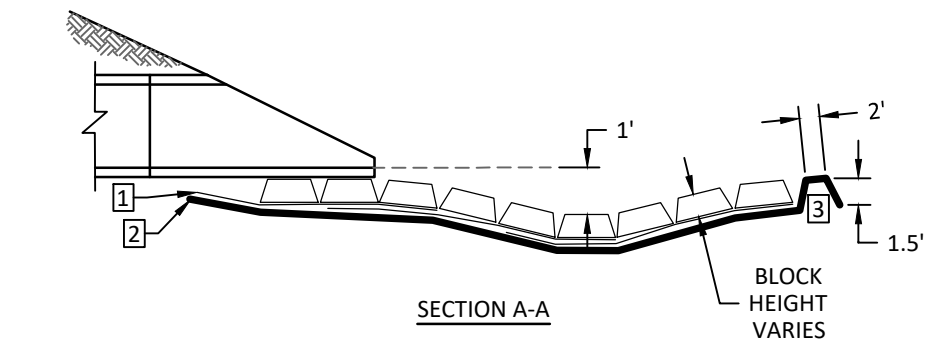
GEOTEXTILE FABRIC, PER SPEC 3733;
THE FABRIC SHOULD COVER THE AREA
OF THE RIPRAP AND EXTEND UNDER
THE CULVERT APRON THREE FEET

DIA OF ROUND PIPE (IN)	L (FT)	CLASS II d50=6"	CLASS III d50=9"	CLASS IV d50=12"
		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. 3020J
DATE APRIL 2019



- 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.

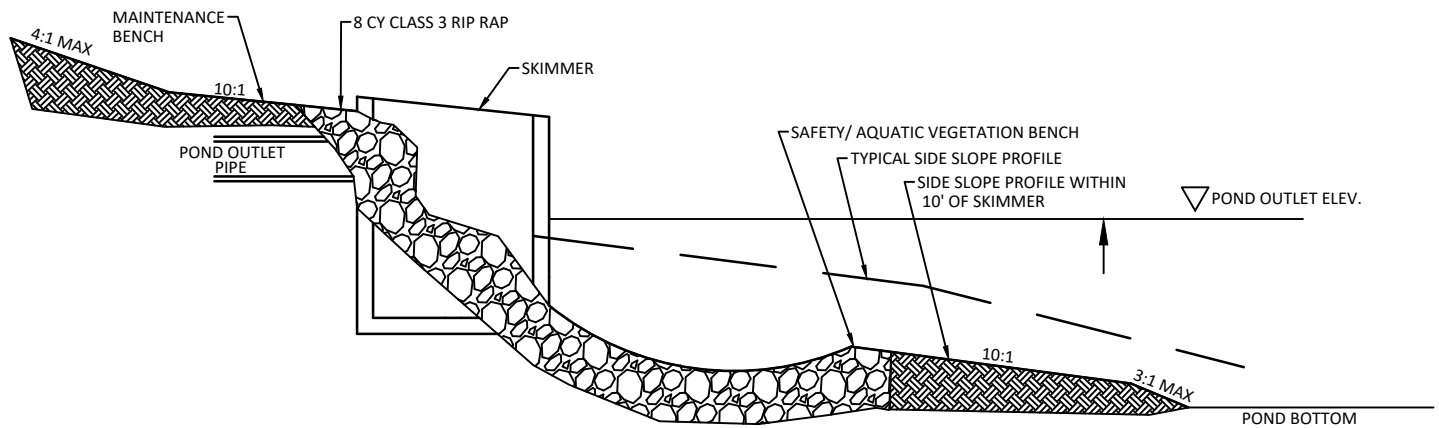
CONSTRUCTION NOTE:

- 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

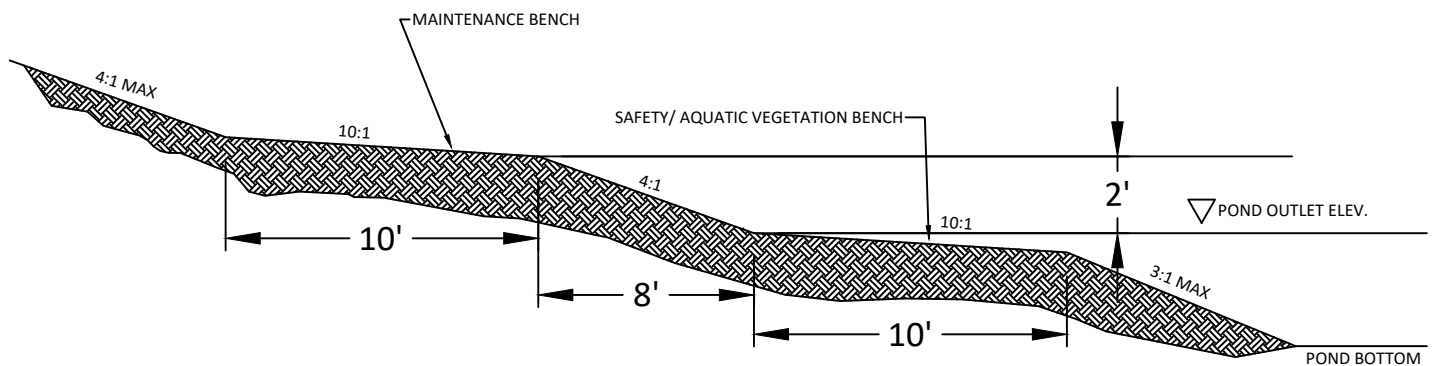


STANDARD DETAIL
ARTICULATED BLOCK AT FLARED END
CITY OF JORDAN

STANDARD DETAIL
 NO. 3031J
 DATE APRIL 2019



TYPICAL BENCH DETAIL WITHIN 10' OF SKIMMER OUTLET

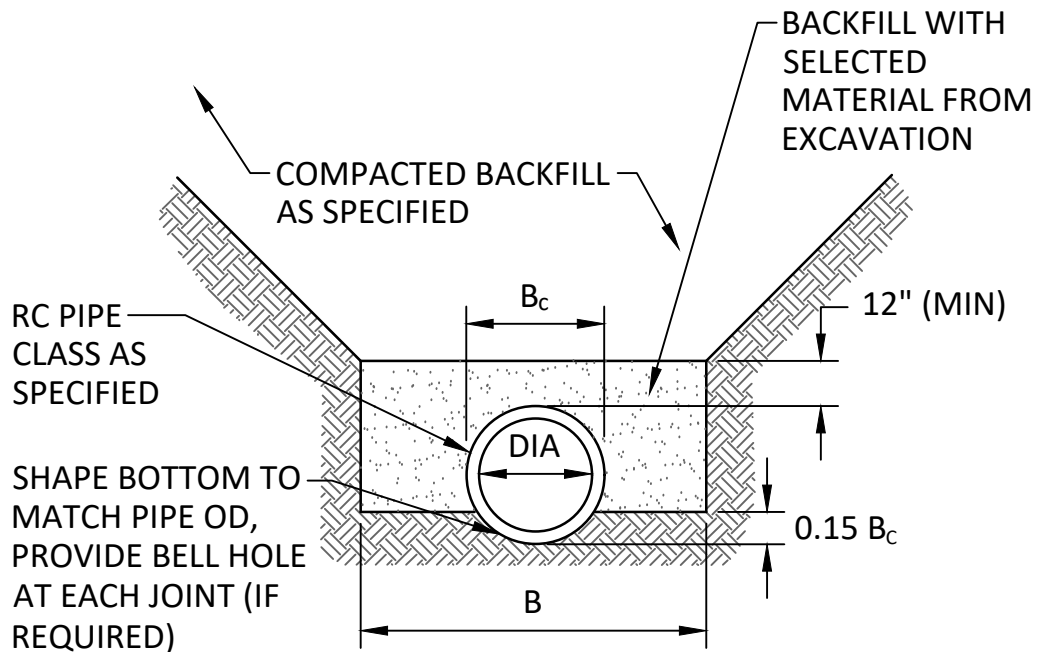


TYPICAL BENCH DETAIL



STANDARD DETAIL
TYPICAL BENCH DETAIL
CITY OF JORDAN

STANDARD DETAIL
NO. 3032J
DATE APRIL 2019

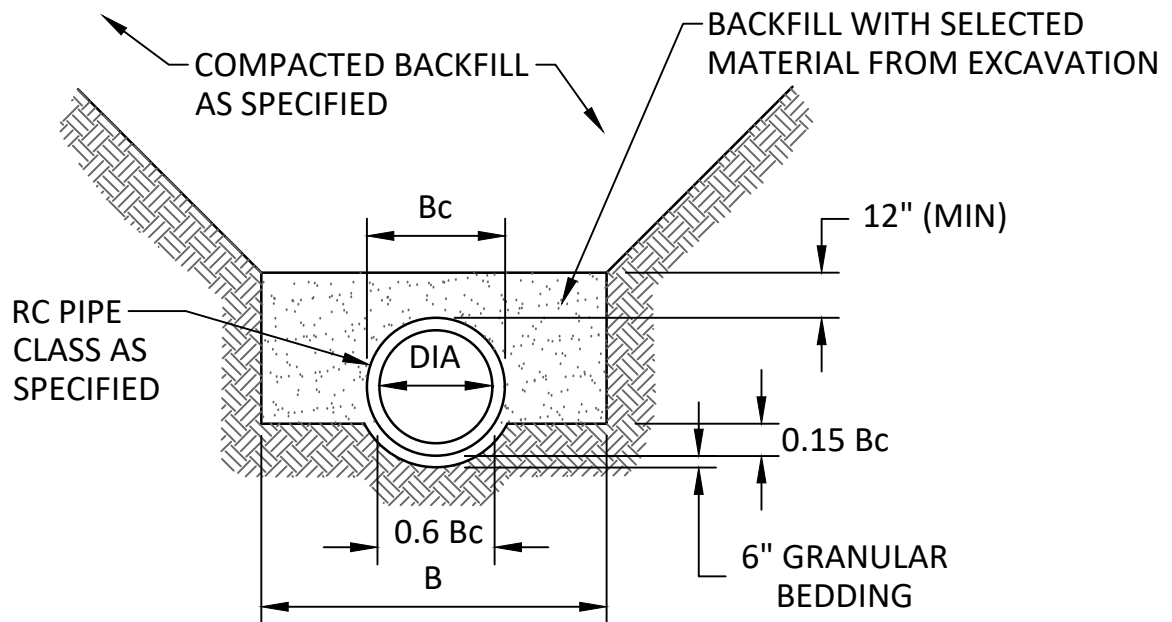


PIPE DIA	B
36" OR LESS	$B_c + 24"$
42" TO 54"	$1.5 \times B_c$
60" OR OVER	$B_c + 36"$



STANDARD DETAIL
RC STORM SEWER CLASS C BEDDING
CITY OF JORDAN

STANDARD DETAIL
NO. 4001J
DATE APRIL 2019

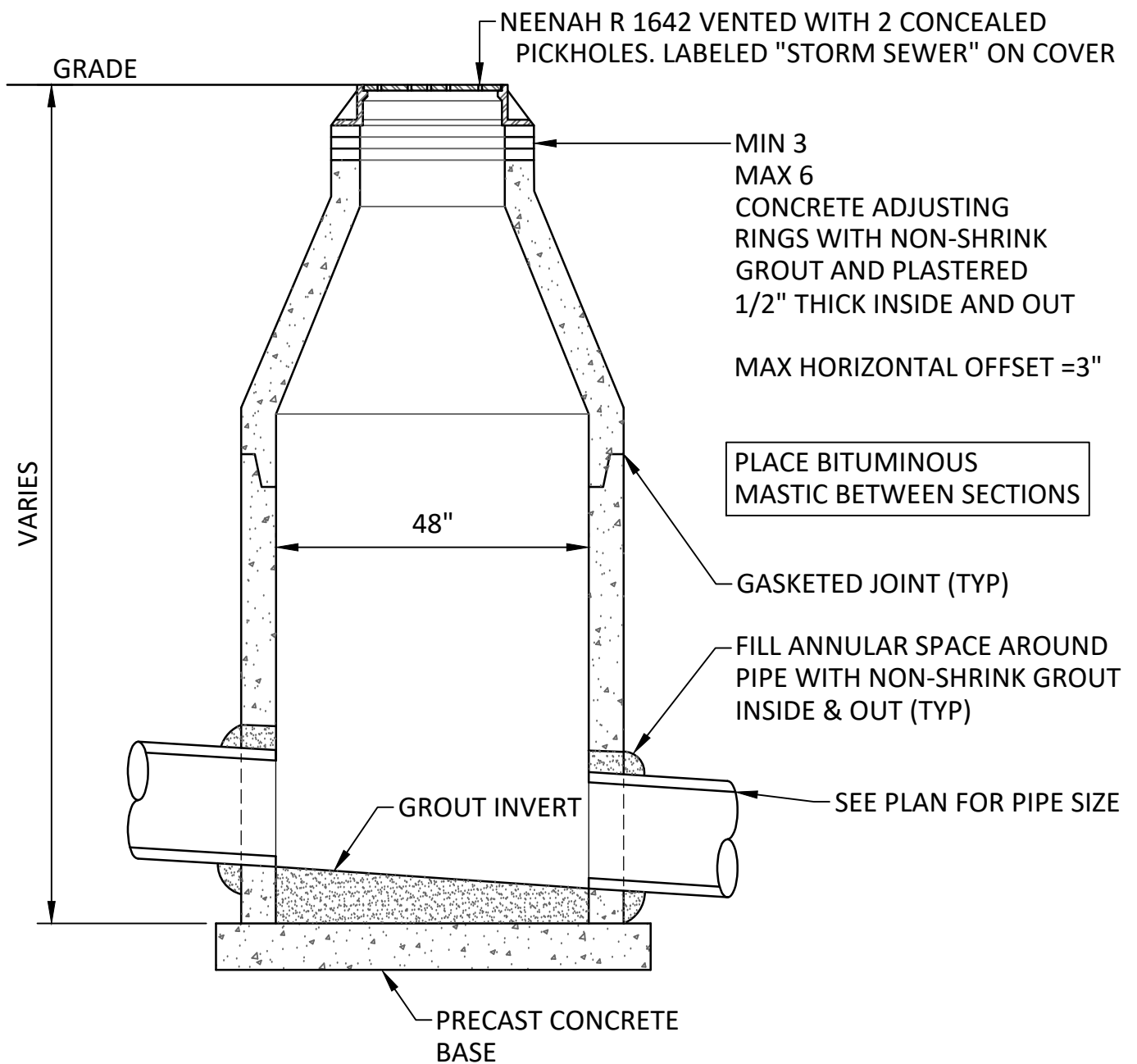


PIPE DIA	B
36" OR LESS	$B + 24"_{\text{C}}$
42" TO 54"	$1.5 \times B_{\text{C}}$
60" OR OVER	$B + 36"_{\text{C}}$



STANDARD DETAIL
RC STORM SEWER CLASS B BEDDING
CITY OF JORDAN

STANDARD DETAIL
 NO. 4002J
 DATE APRIL 2019



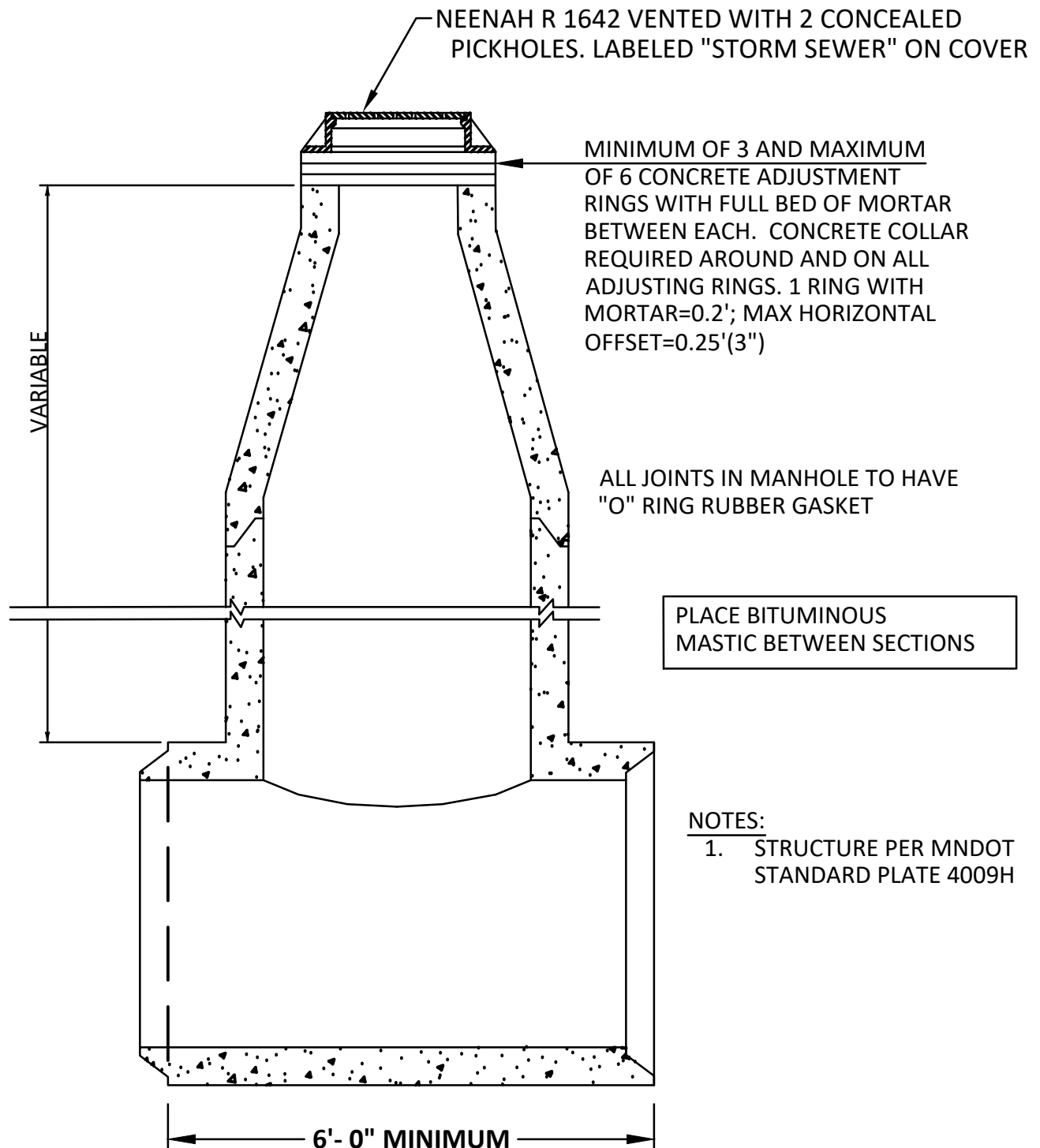
NOTE:

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



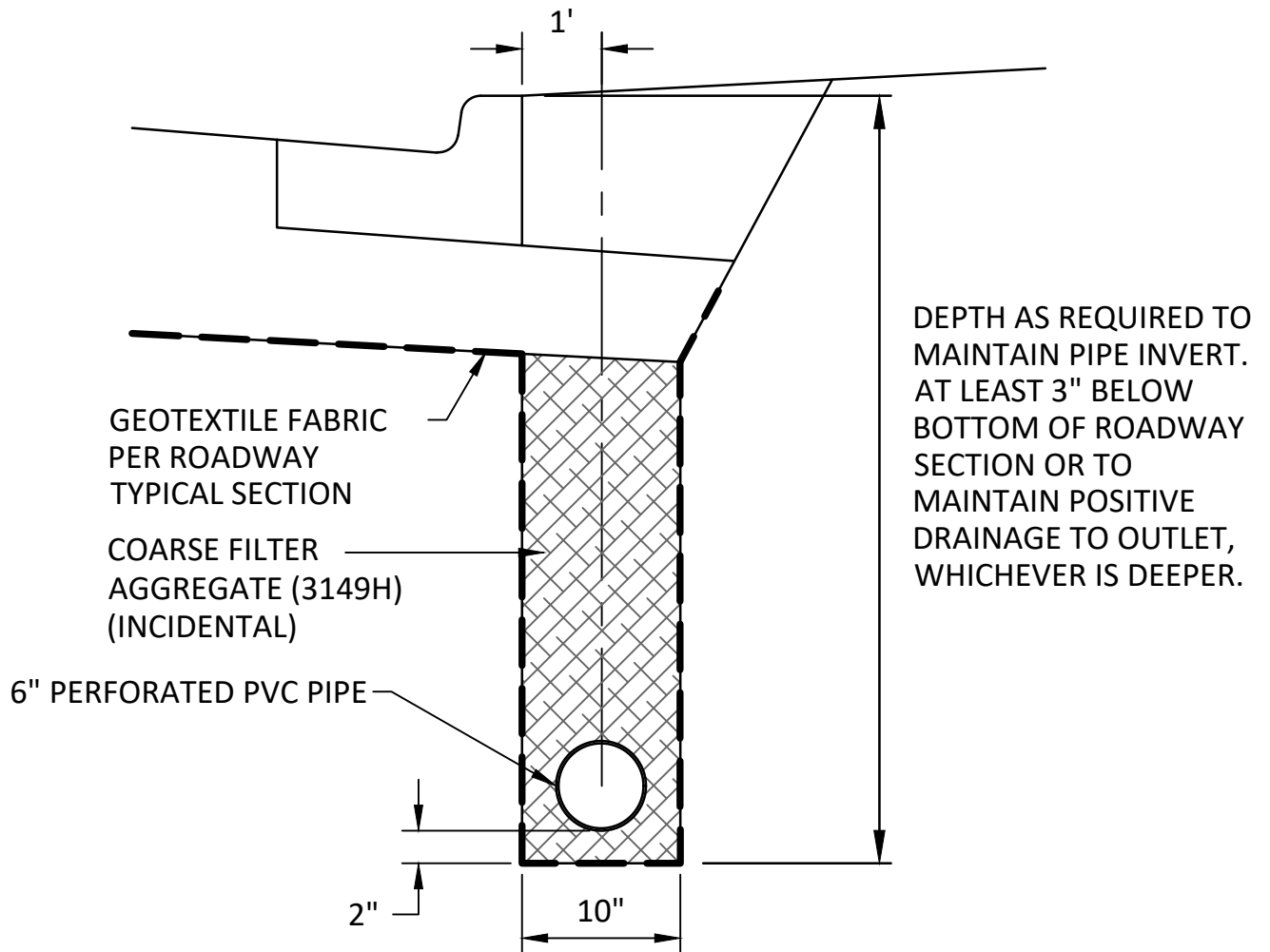
STANDARD DETAIL
STORM SEWER STRUCTURE DES F, TYPE A CONE
CITY OF JORDAN

STANDARD DETAIL
NO. 4006J
DATE APRIL 2019



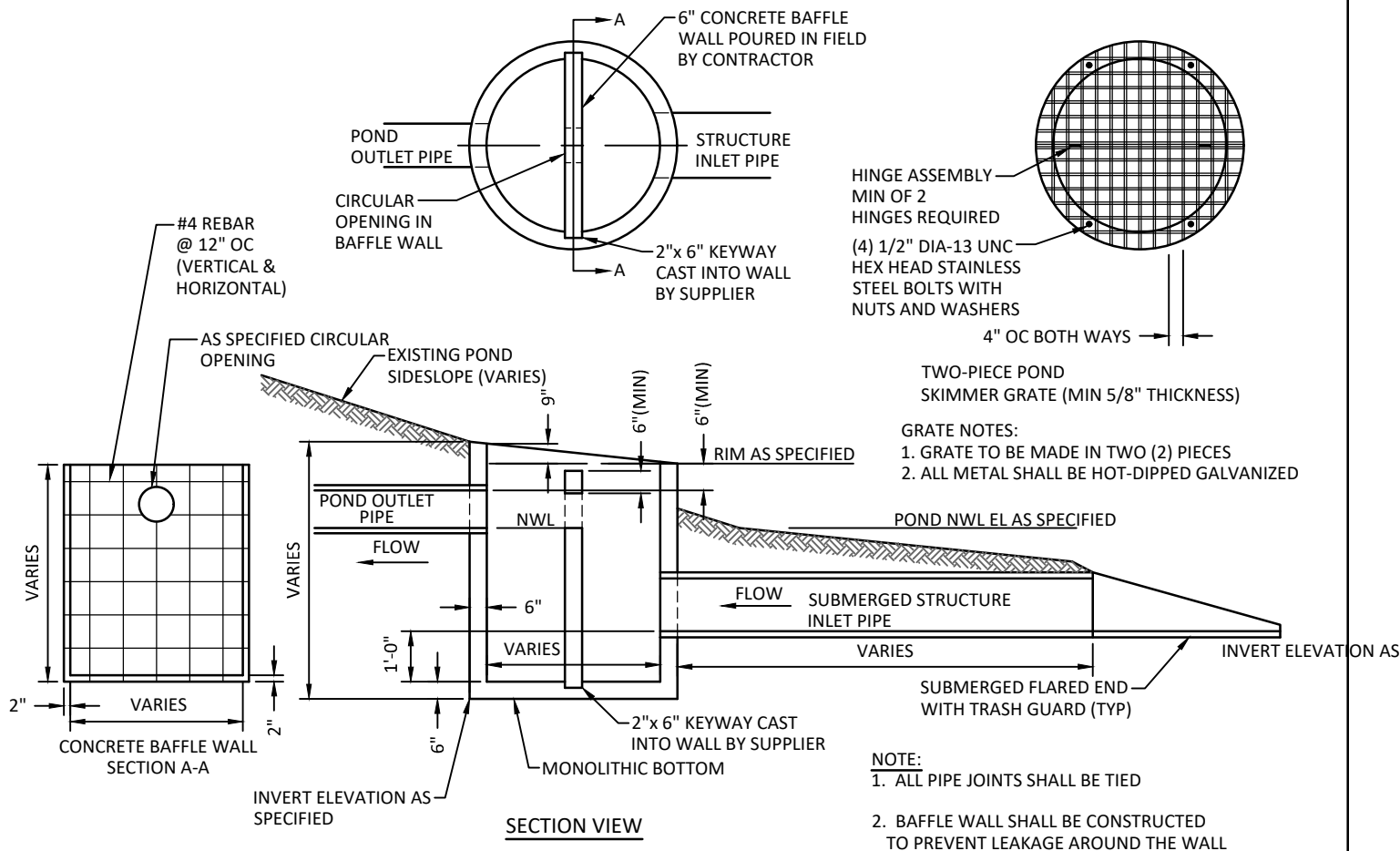
STANDARD DETAIL
DRAINAGE STRUCTURE DESIGN J
CITY OF JORDAN

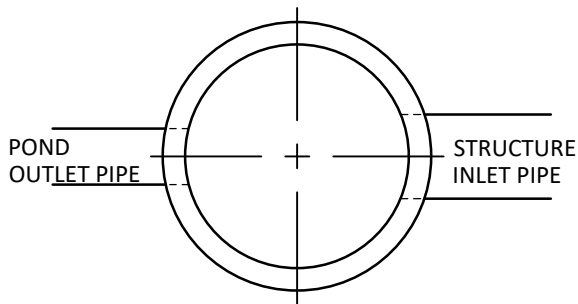
STANDARD DETAIL
NO. 4007J
DATE APRIL 2019



STANDARD DETAIL
ROADWAY EDGE DRAIN
CITY OF JORDAN

STANDARD DETAIL
NO. 4010J
DATE APRIL 2019



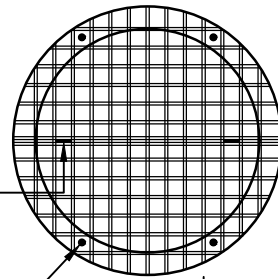


GRATE NOTES:

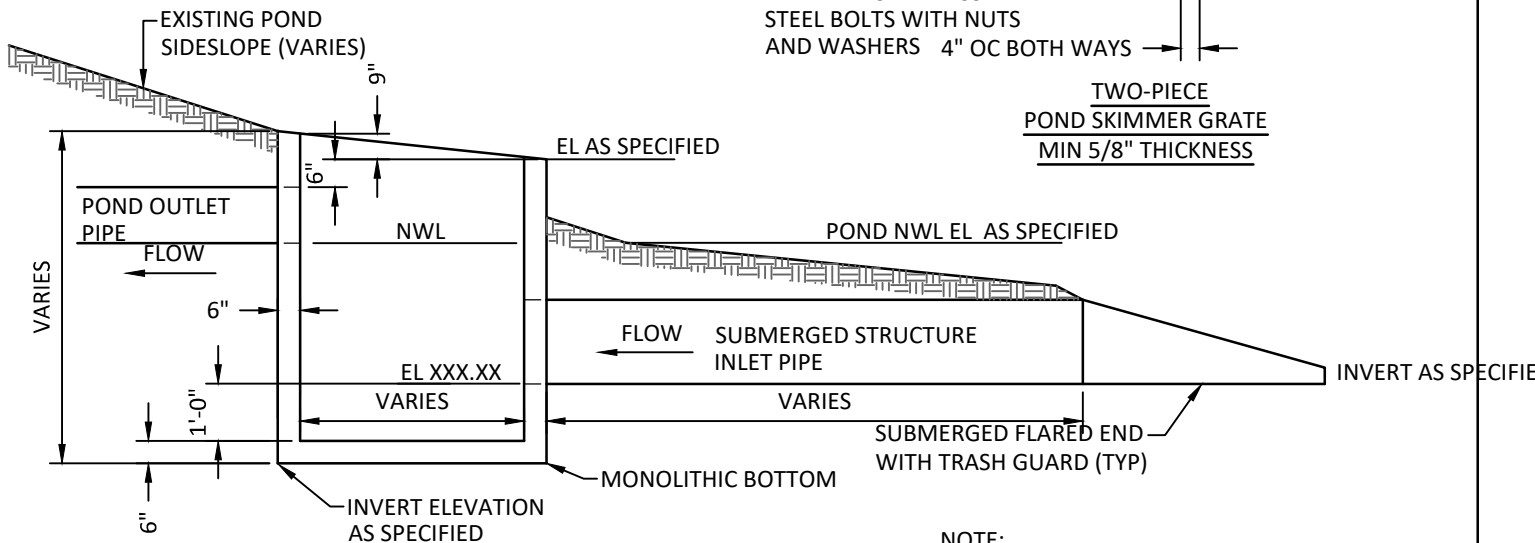
1. GRATE TO BE MADE IN TWO (2) PIECES
2. ALL METAL SHALL BE HOT-DIPPED GALVANIZED

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.



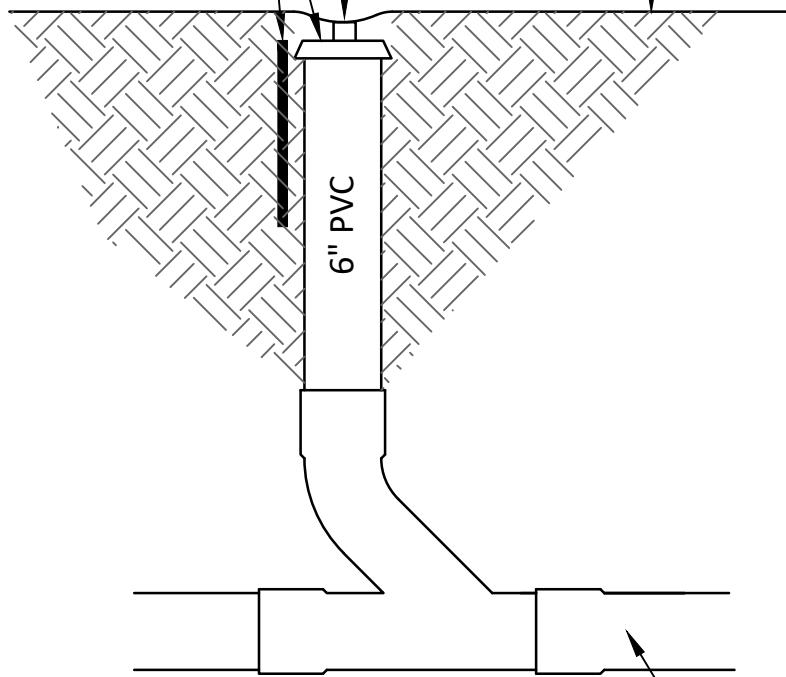
STANDARD DETAIL
POND SKIMMER STRUCTURE
CITY OF JORDAN

STANDARD DETAIL
NO. 4015J
DATE APRIL 2019

THREADED METAL CAP OR 18"
STEEL PIN FOR LOCATING

THREADED CAP

GRADE



6" PVC PERFORATED
DRAIN PIPE AS SPECIFIED

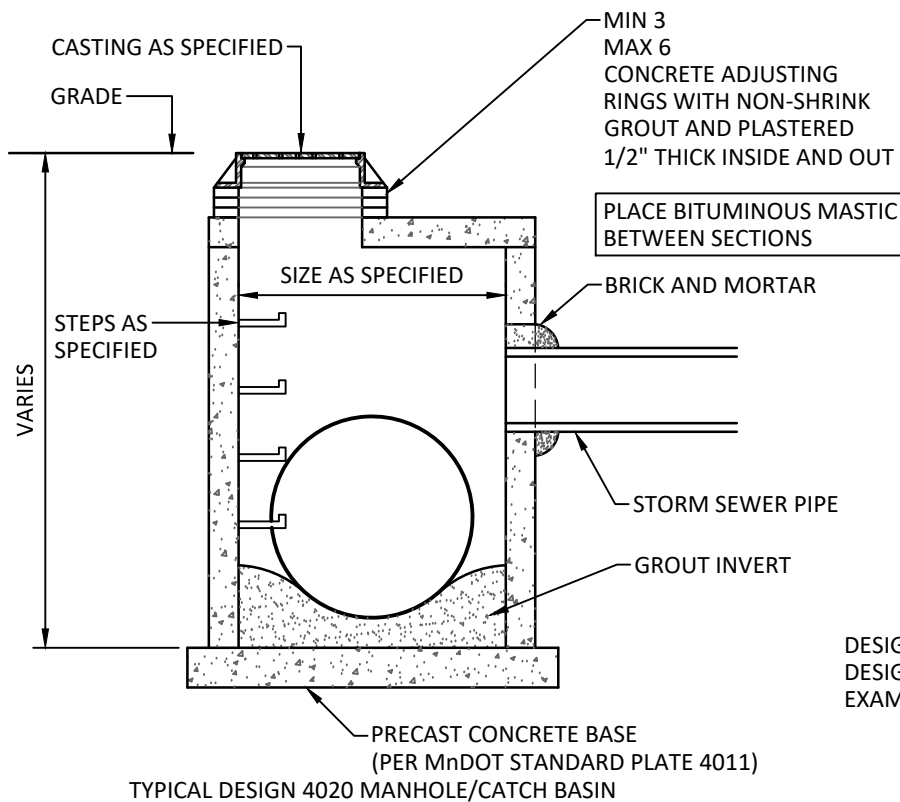
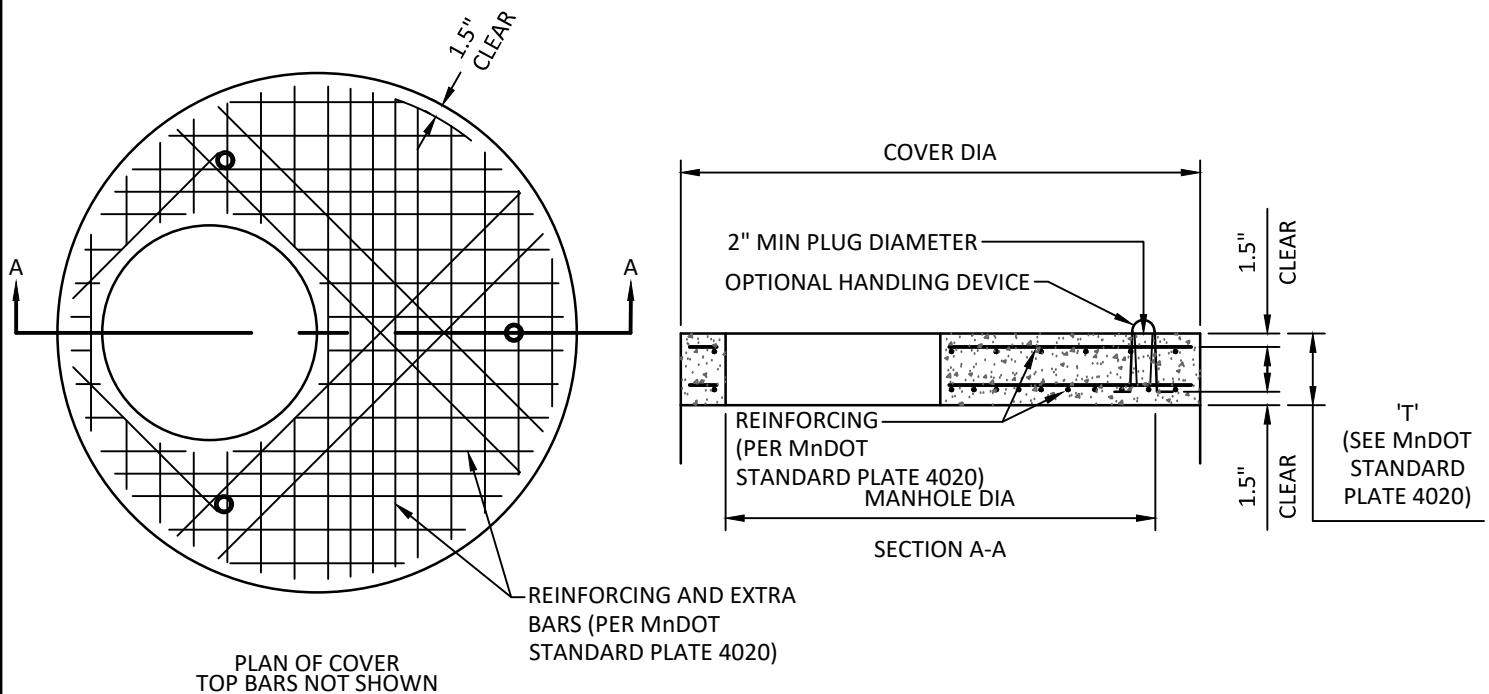
NOTE:

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



STANDARD DETAIL
SUBSURFACE DRAIN CLEANOUT
CITY OF JORDAN

STANDARD DETAIL
NO. 4018J
DATE APRIL 2019



NOTES:

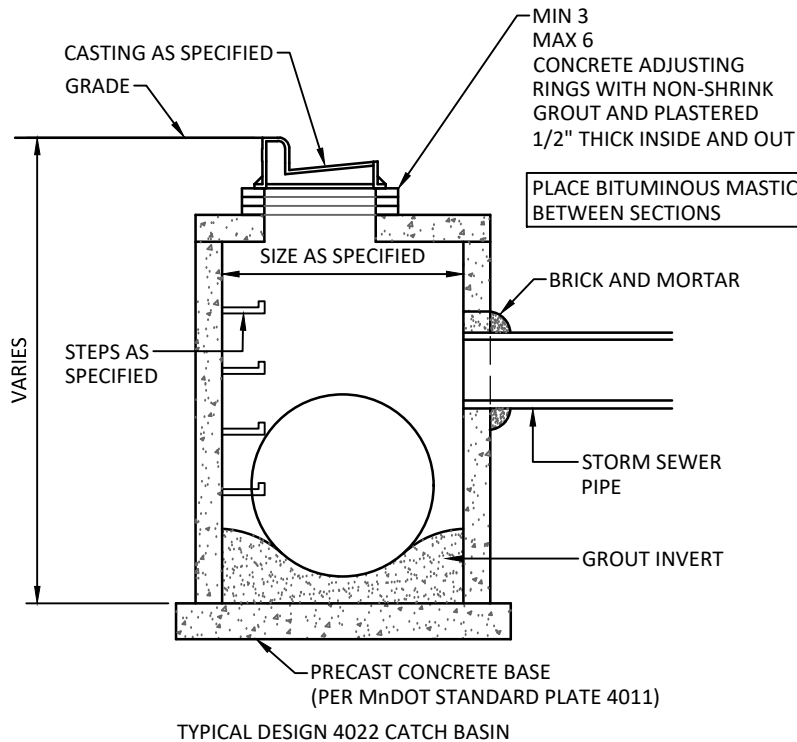
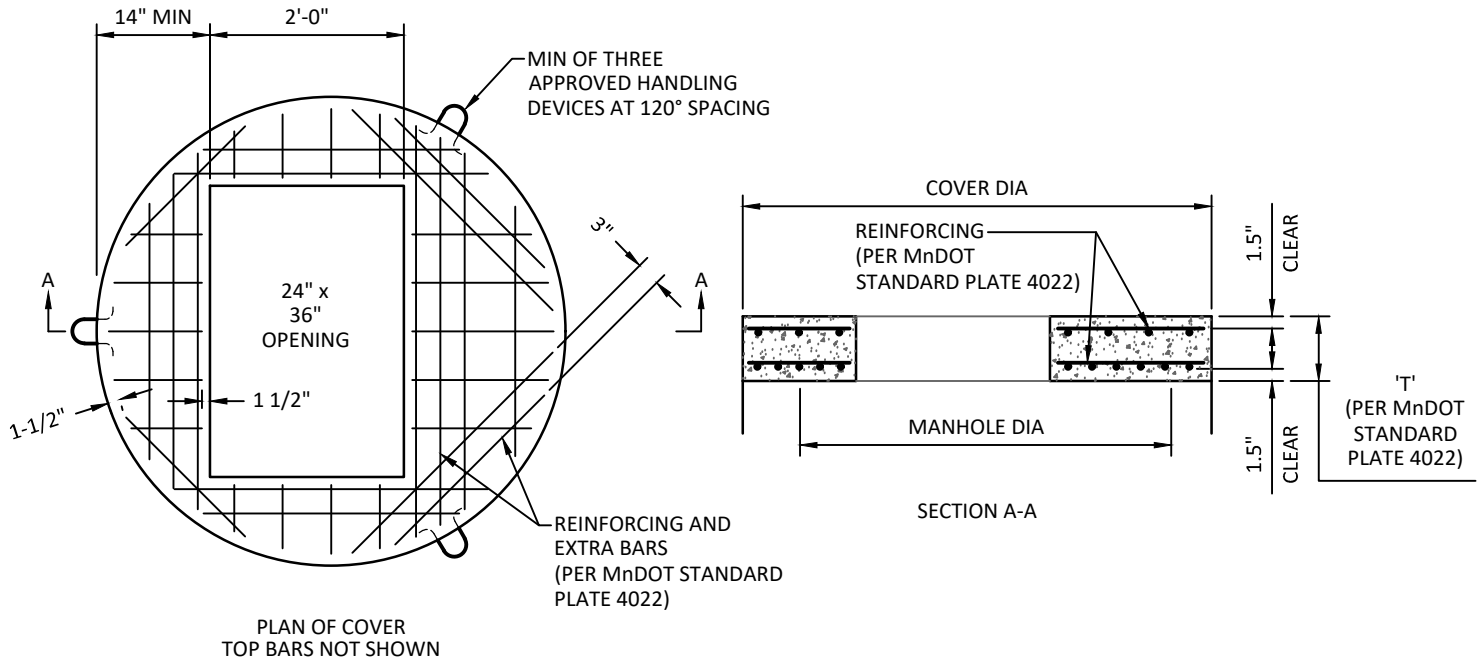
1. AASHTO HS 25 LOADING MAX FILL HEIGHT 15'
2. THE "STORM SEWER" SHALL BE PERMANENTLY MARKED ON THE TOP COVER
3. EQUIVALENT STEEL AREAS IN WIRE MESH MAY BE USED
4. REINFORCEMENT PER SPEC 3301, GRADE 60 A SINGLE HOOP OF 8ga STEEL WIRE
5. STRUCTURE DESIGN PER MNDOT PLATE 4020.

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



STANDARD DETAIL DRAINAGE STRUCTURE DESIGN 4020 CITY OF JORDAN

STANDARD DETAIL
NO. 4020J
DATE APRIL 2019



NOTES:

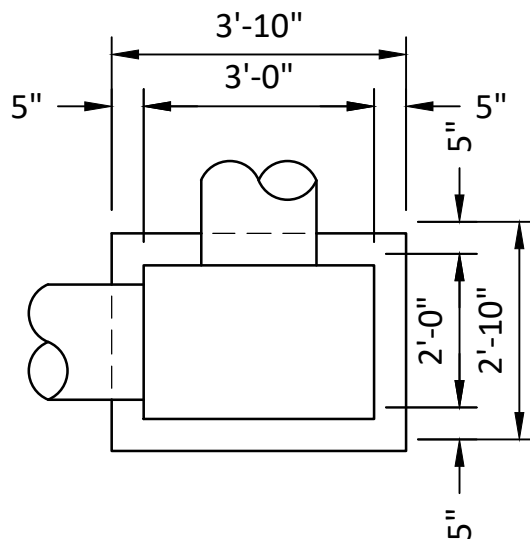
1. AASHTO HS 25 LOADING MAX FILL HEIGHT 15'
2. THE "STORM SEWER" SHALL BE PERMANENTLY MARKED ON THE TOP COVER
3. EQUIVALENT STEEL AREAS IN WIRE MESH MAY BE USED
4. REINFORCEMENT PER SPEC 3301, GRADE 60 A SINGLE HOOP OF 8ga STEEL WIRE
5. STRUCTURE DESIGN PER MNDOT 4022

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

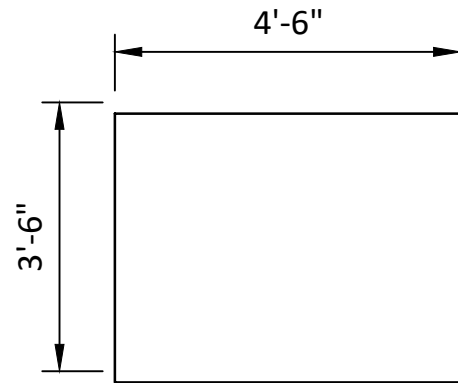


STANDARD DETAIL DRAINAGE STRUCTURE DESIGN 4022 CITY OF JORDAN

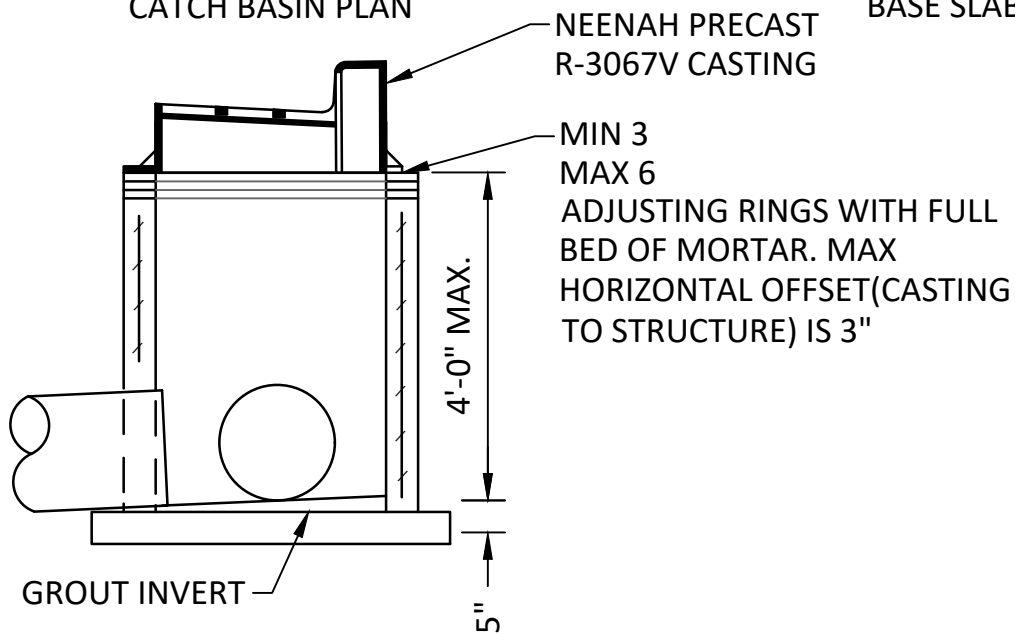
STANDARD DETAIL
NO. 4022J
DATE APRIL 2019



CATCH BASIN PLAN



BASE SLAB PLAN



SECTION

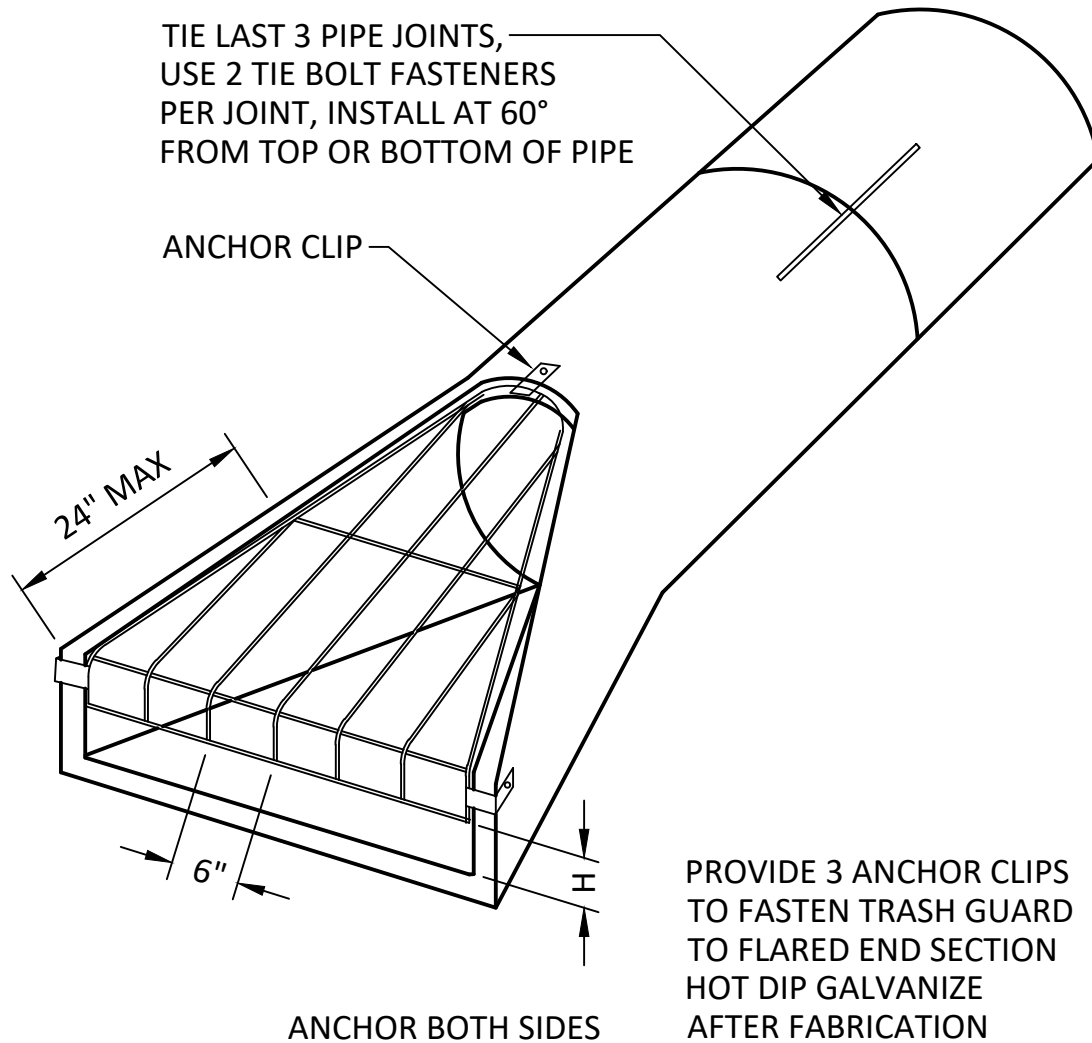
NOTES:

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. 4029J
 DATE APRIL 2019

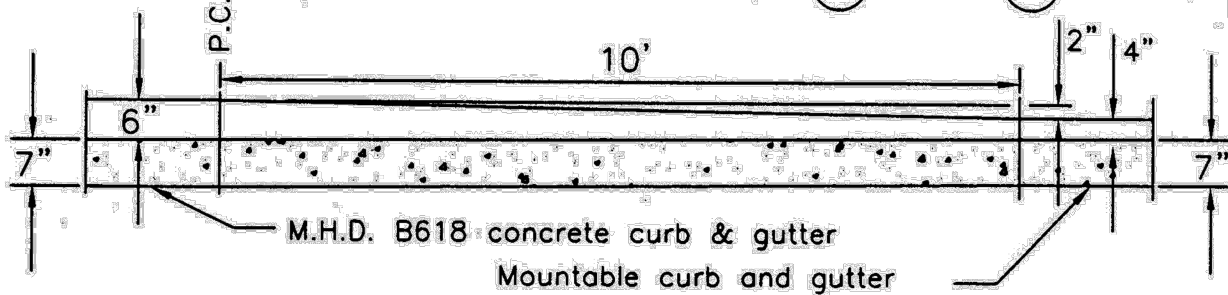
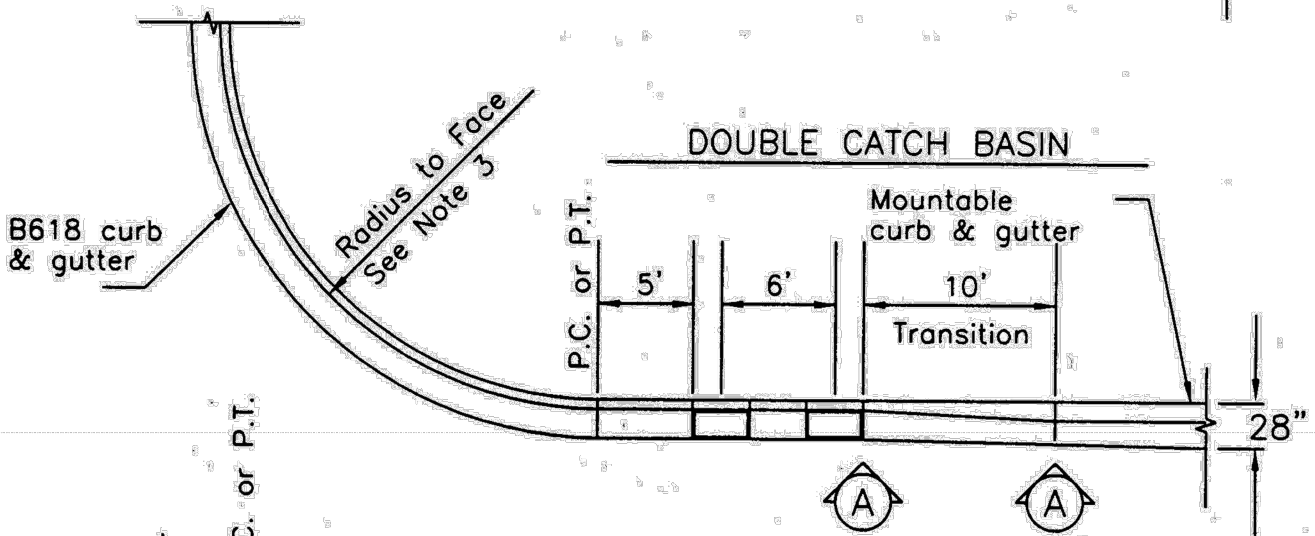
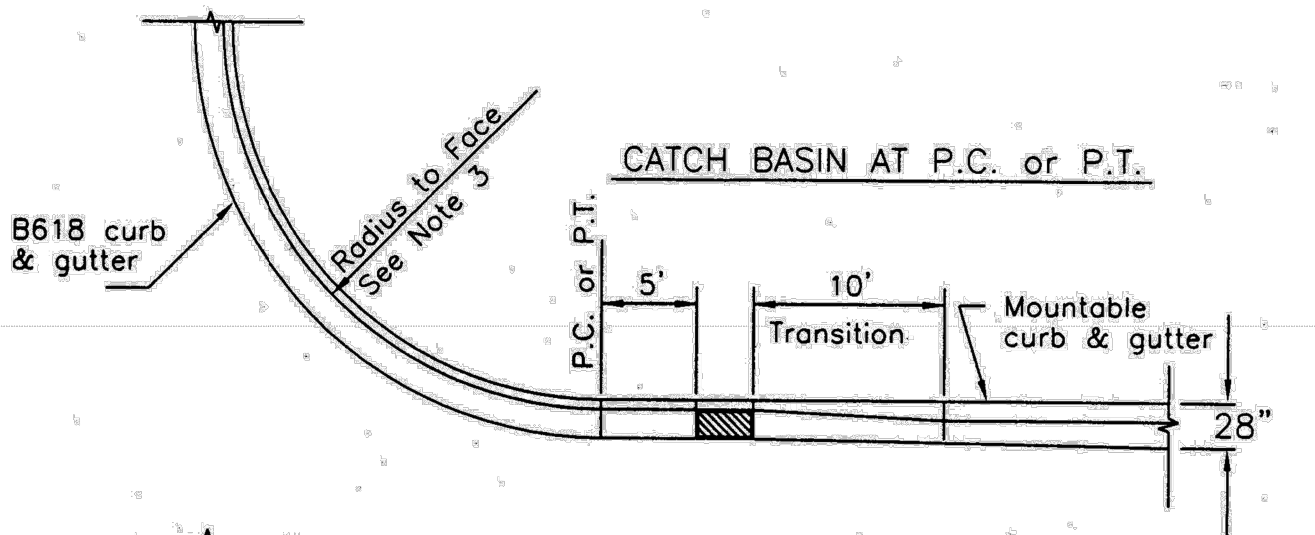


TRASH GUARD SIZES			
PIPE SIZE	BARS	"H"	BOLTS
12"-18"	3/4"Ø	4"	5/8"
21"-42"	1"Ø	6"	3/4"
42"-72"	1 1/4"Ø	12"	1"



STANDARD DETAIL
RC APRON TRASH GUARD
CITY OF JORDAN

STANDARD DETAIL
NO. 4030J
DATE APRIL 2019



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

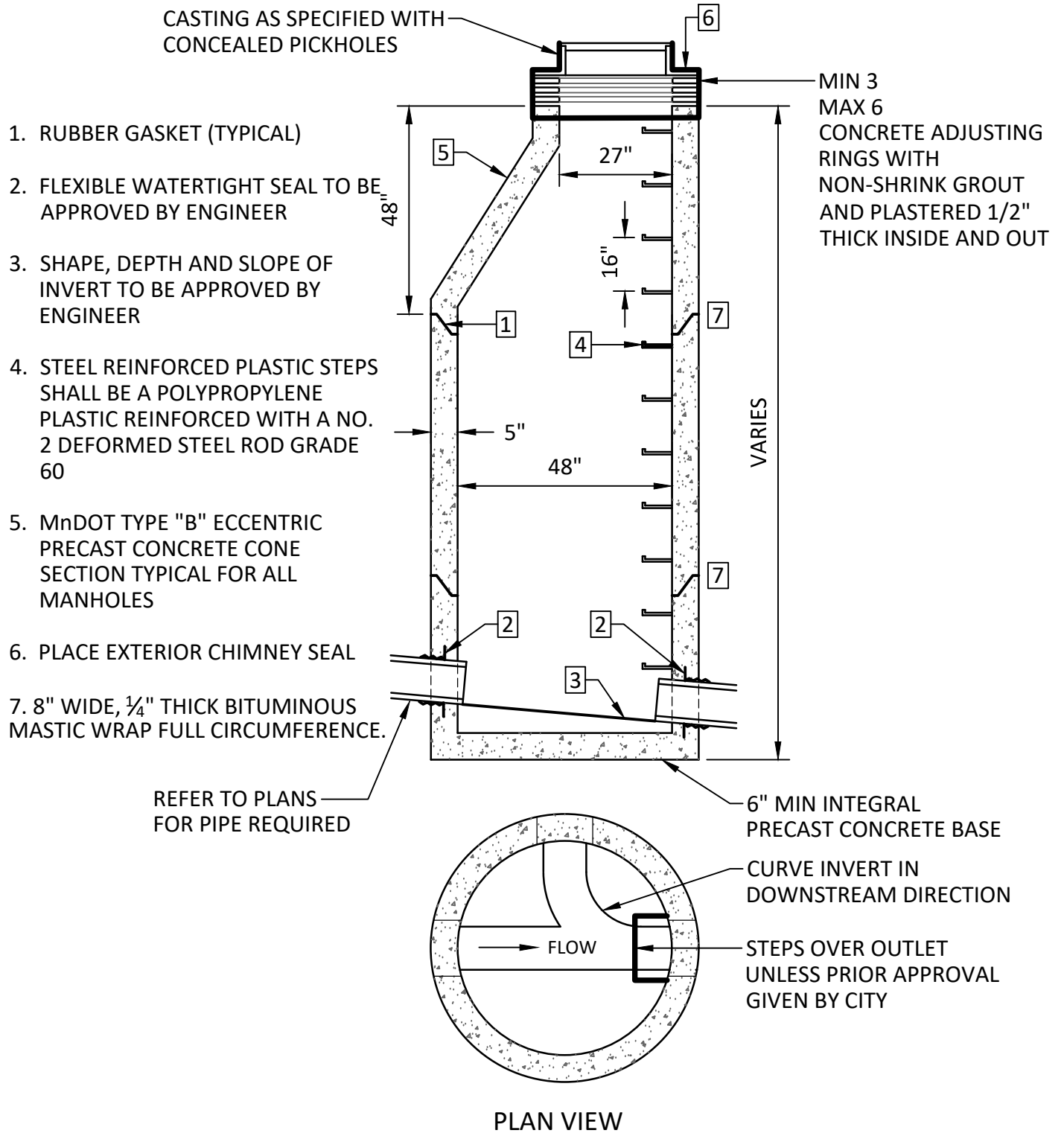
CONCRETE CURB & GUTTER TRANSITION & CATCH BASIN LOCATION

CITY OF JORDAN

STANDARD DETAIL

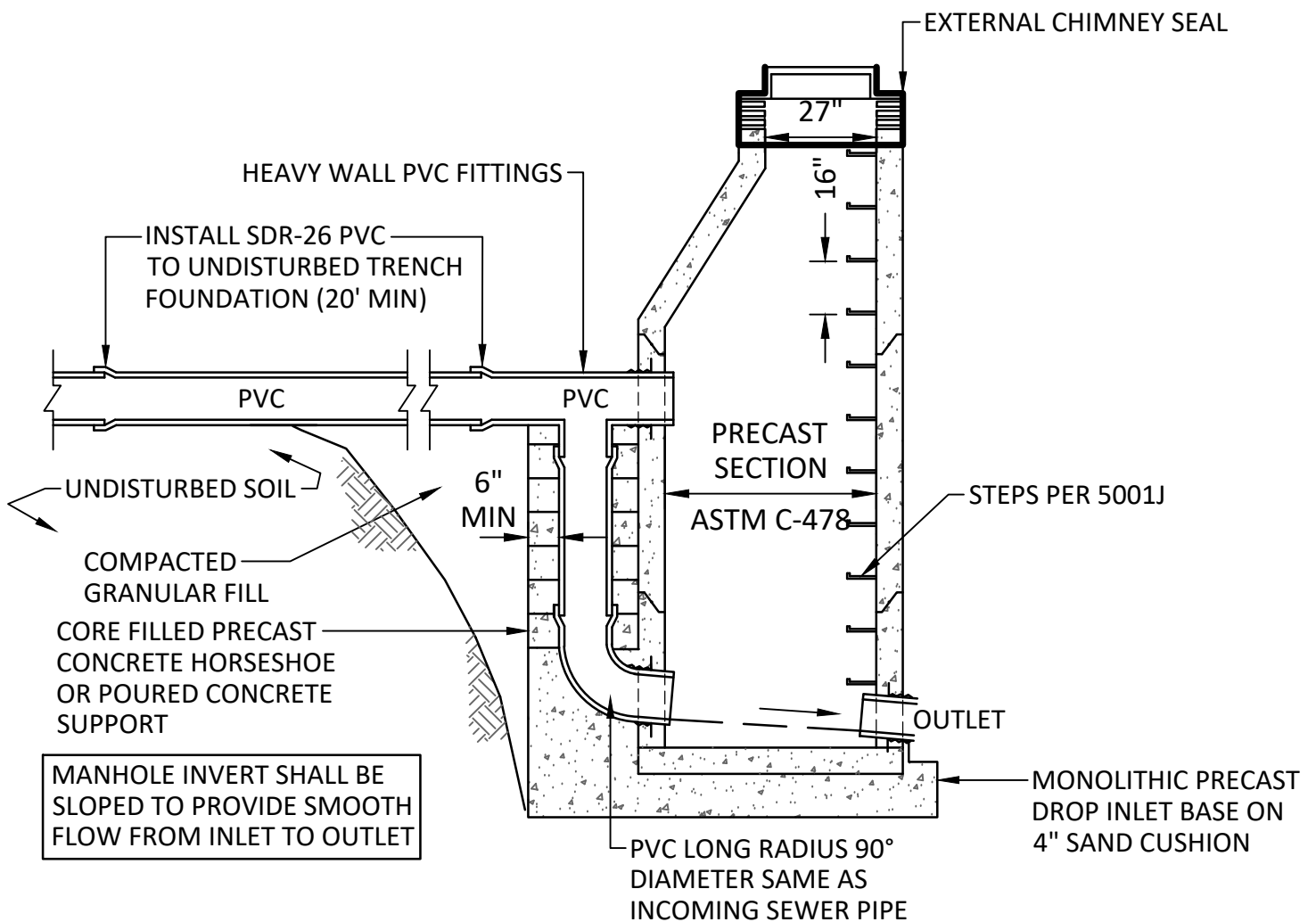
NO. 4031J

DATE APRIL 2019



STANDARD DETAIL
SANITARY SEWER MANHOLE
CITY OF JORDAN

STANDARD DETAIL
NO. 5001J
DATE APRIL 2019



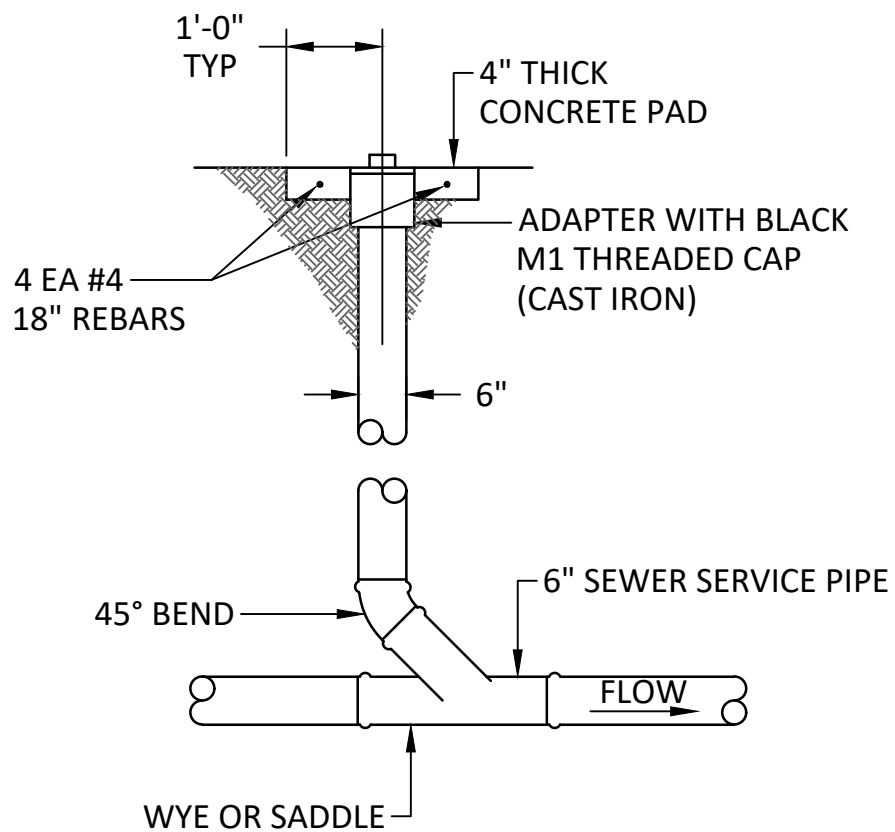
NOTE:

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



STANDARD DETAIL
SANITARY SEWER DROP MANHOLE
CITY OF JORDAN

STANDARD DETAIL
NO. 5003J
DATE APRIL 2019



STANDARD DETAIL

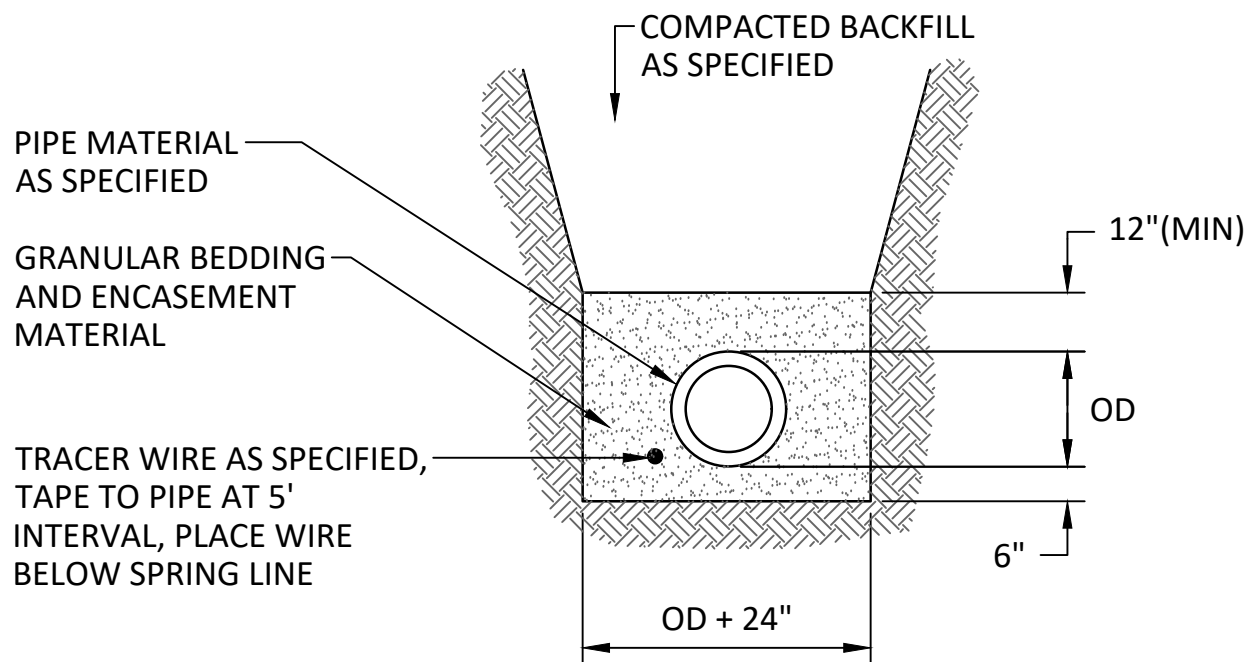
SANITARY SEWER SERVICE CLEANOUT

CITY OF JORDAN

STANDARD DETAIL

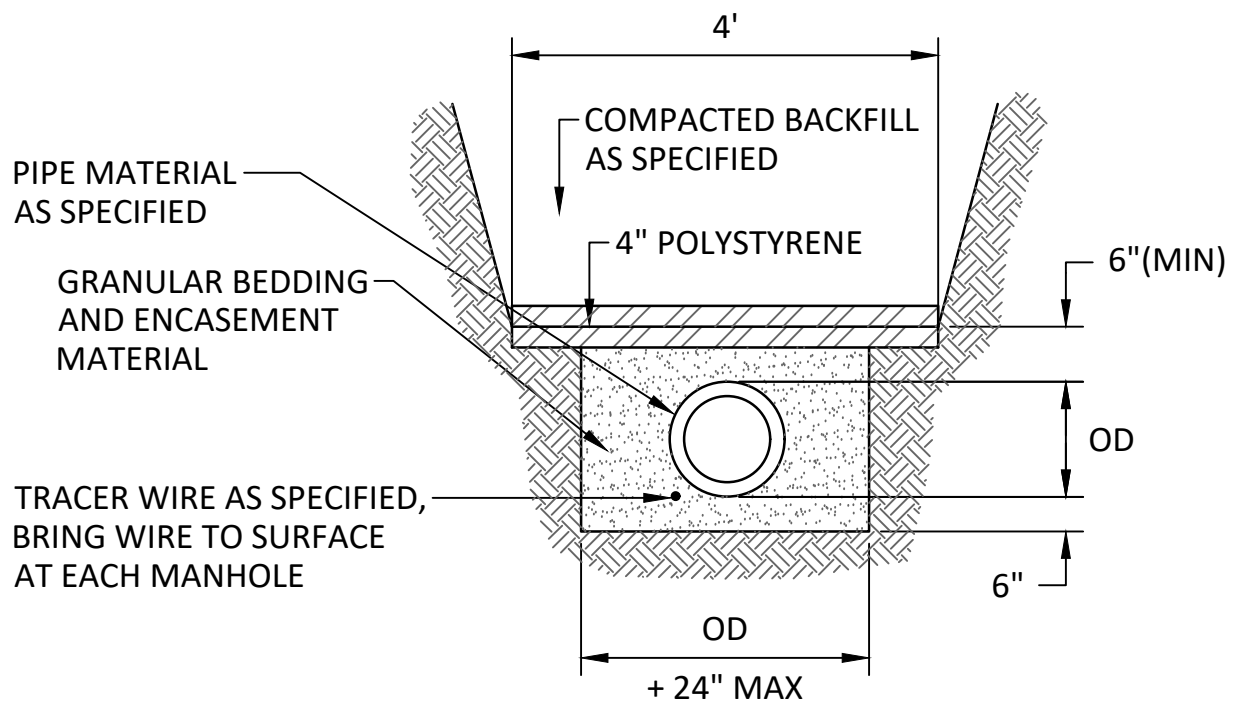
NO. 5004J

DATE APRIL 2019



STANDARD DETAIL
 NON-RIGID SANITARY SEWER TRENCH
 CITY OF JORDAN

STANDARD DETAIL
 NO. 5005J
 DATE APRIL 2019



NOTE:

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



STANDARD DETAIL

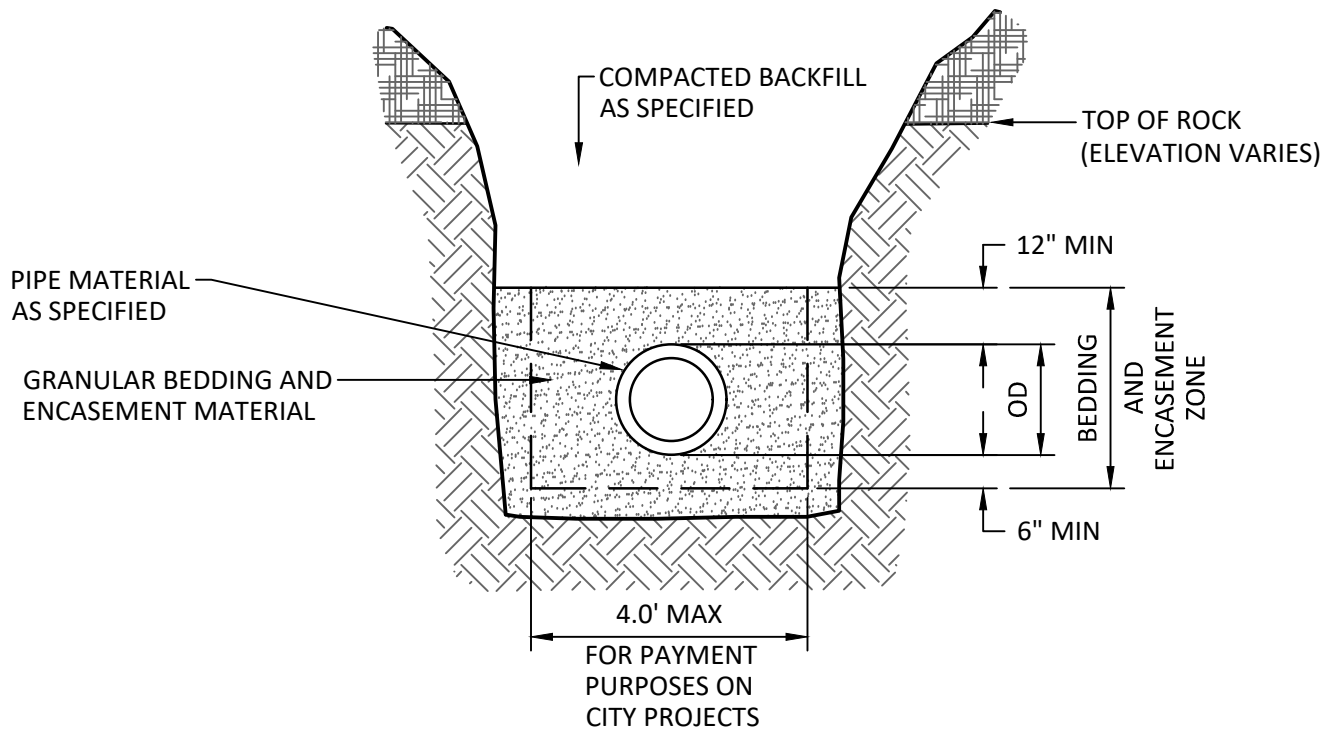
INSULATION FOR NON-RIGID SANITARY SEWER

CITY OF JORDAN

STANDARD DETAIL

NO. 5006J

DATE APRIL 2019



STANDARD DETAIL

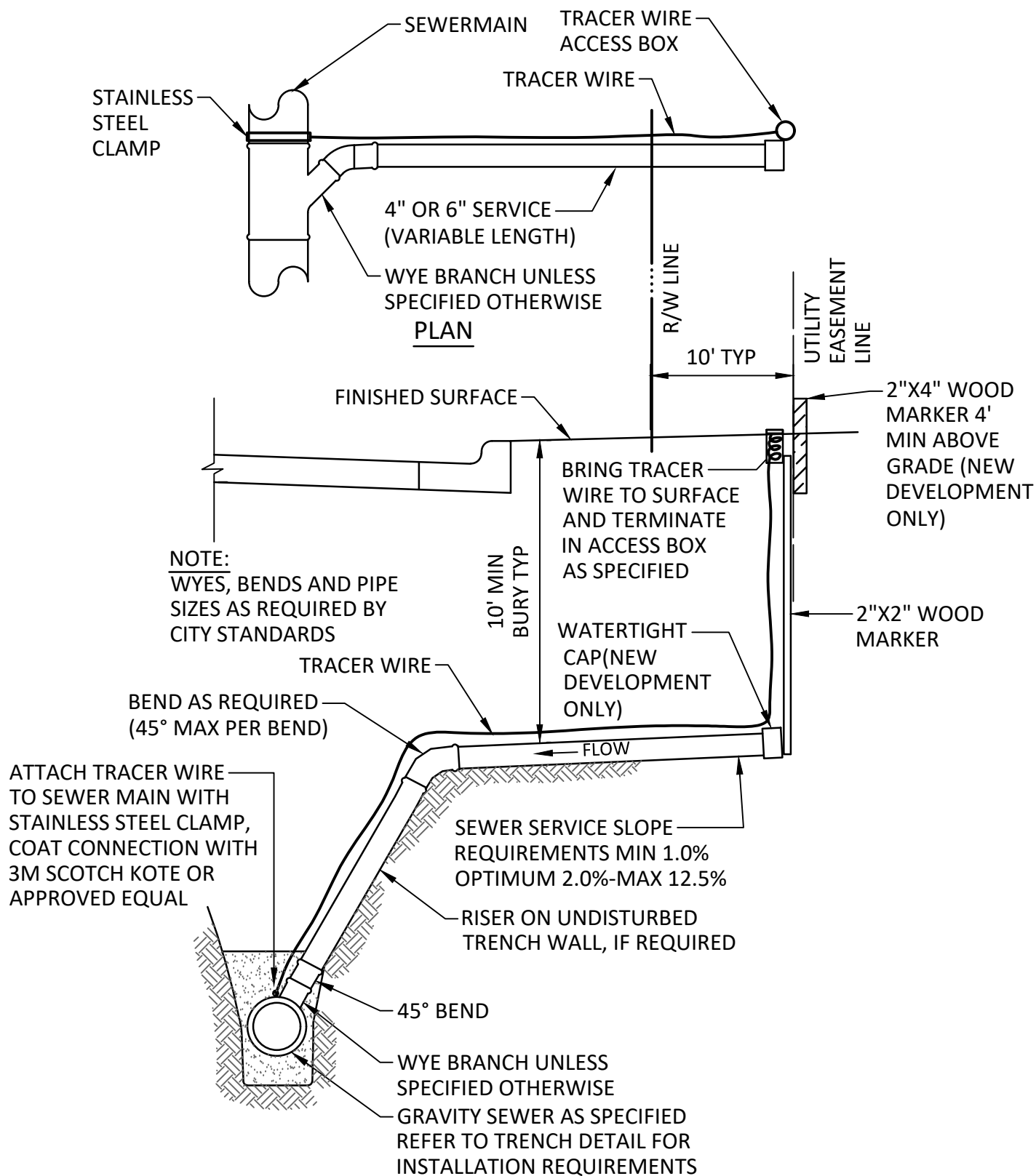
ROCK EXCAVATION FOR SANITARY SEWER

CITY OF JORDAN

STANDARD DETAIL

NO. 5016J

DATE APRIL 2019



PROFILE



STANDARD DETAIL

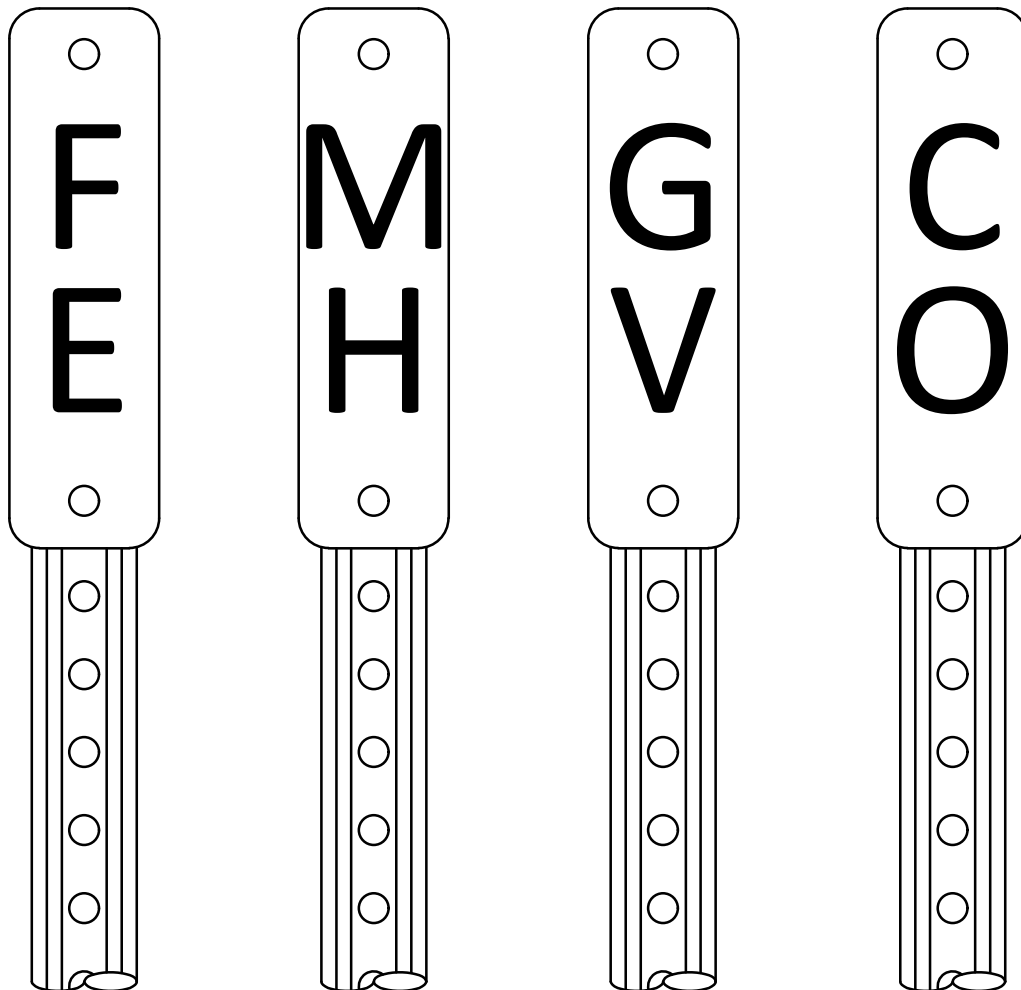
SANITARY SEWER SERVICE

CITY OF JORDAN

STANDARD DETAIL

NO. 5017J

DATE APRIL 2019



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. 5019J
DATE APRIL 2019

NOTES:

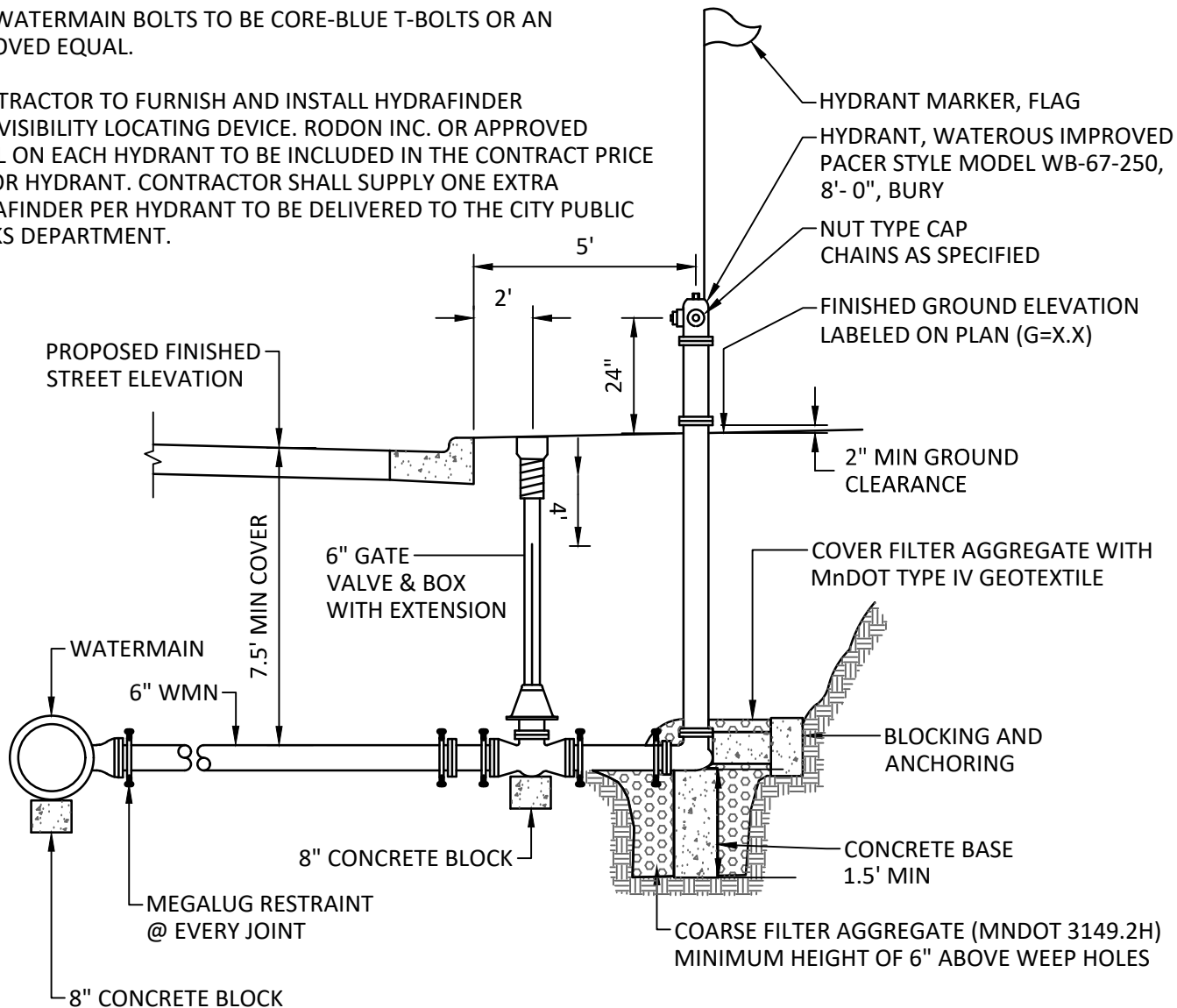
-HYDRANT & GATE VALVE TO BE TIED TO WATERMAIN WITH METAL RESTRAINING TIE RODS OR MEGA LUGS MAY BE USED IN LIEU OF RODS. ALL BLOCKING SHALL BE INSTALLED ACCORDING TO DETAIL BELOW.

- 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 ABRADED 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.

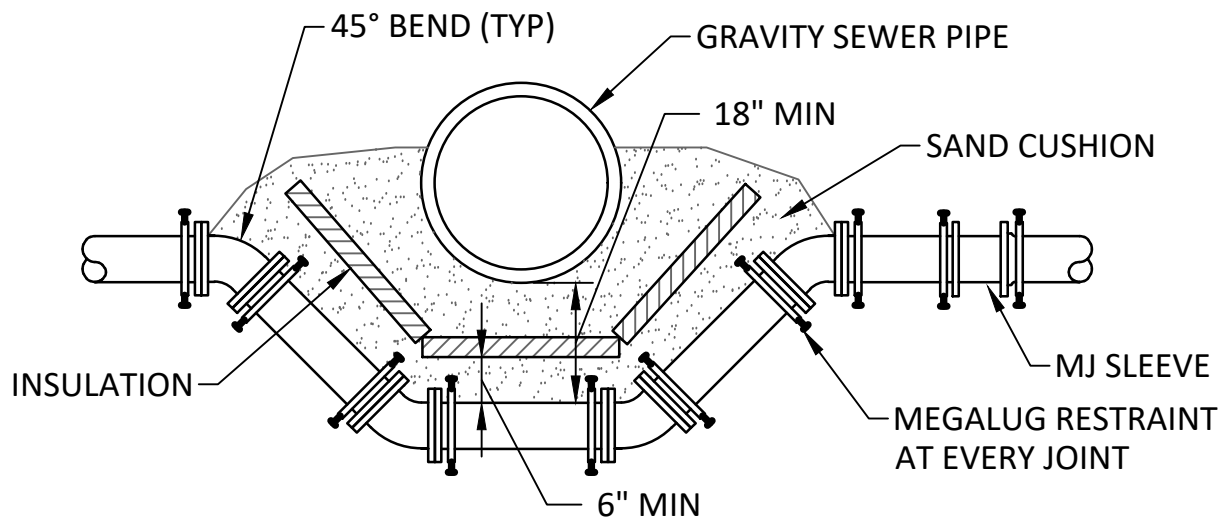


HYDRANTS LOCATED WHERE THE GROUNDWATER TABLE IS ABOVE THE DRAIN OUTLET SHALL HAVE THE OUTLET DRAIN PLUGGED AND SHALL BE EQUIPPED WITH A TAG STATING "PUMP AFTER USE"



STANDARD DETAIL
HYDRANT INSTALLATION
CITY OF JORDAN

STANDARD DETAIL
NO. 6001J
DATE APRIL 2019



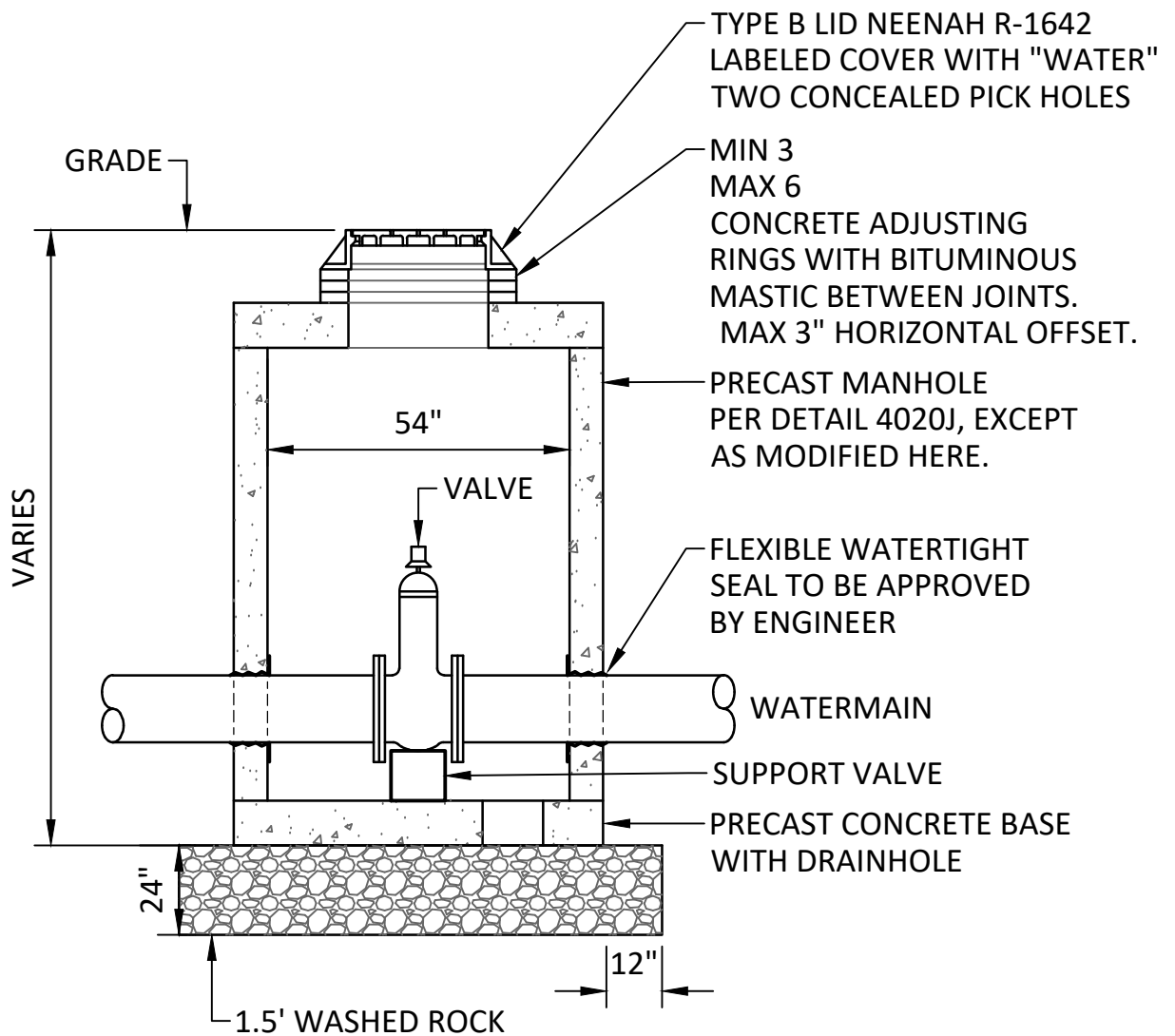
NOTES:

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. 6004J
DATE APRIL 2019



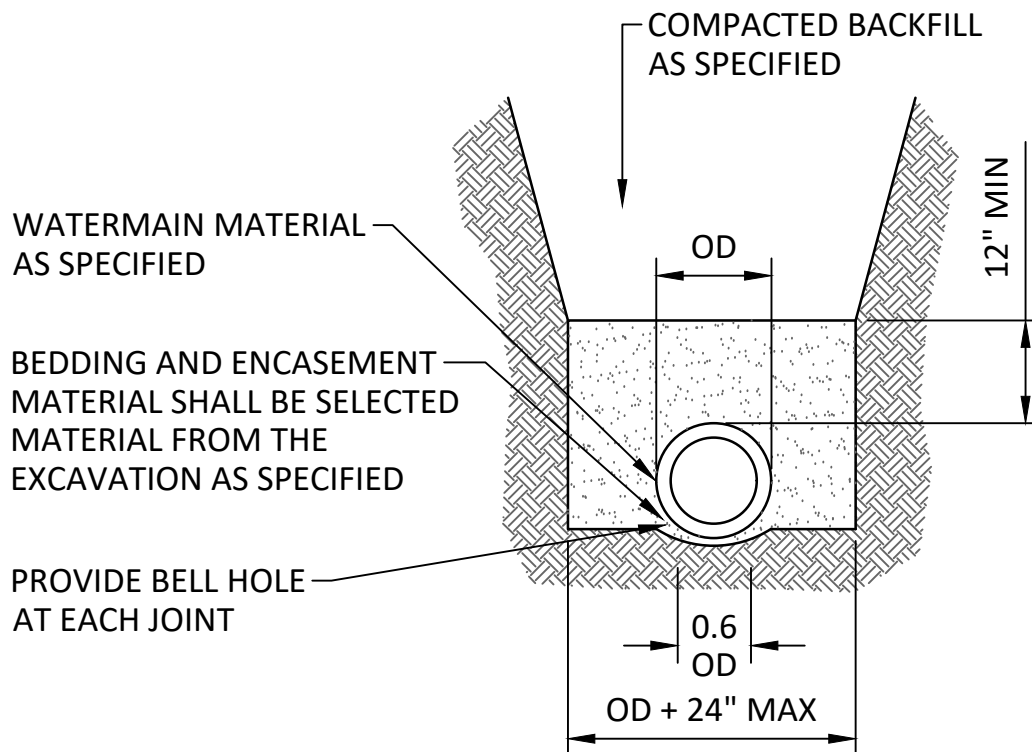
NOTE:

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. 6005J
DATE APRIL 2019

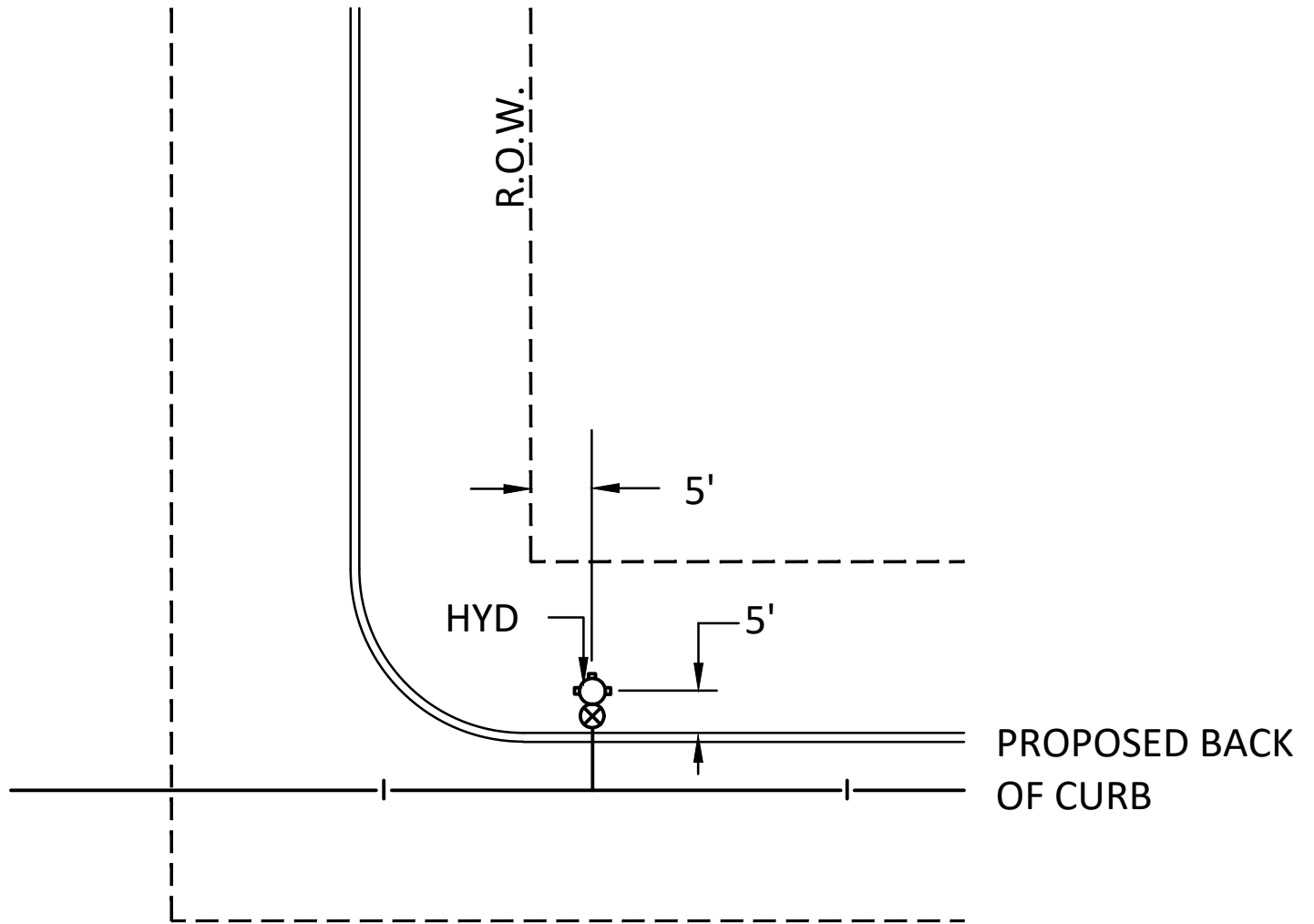


NOTE: ALL WATERMAIN BOLTS SHALL
BE CORE-BLUE T-BOLTS OR APPROVED EQUAL.



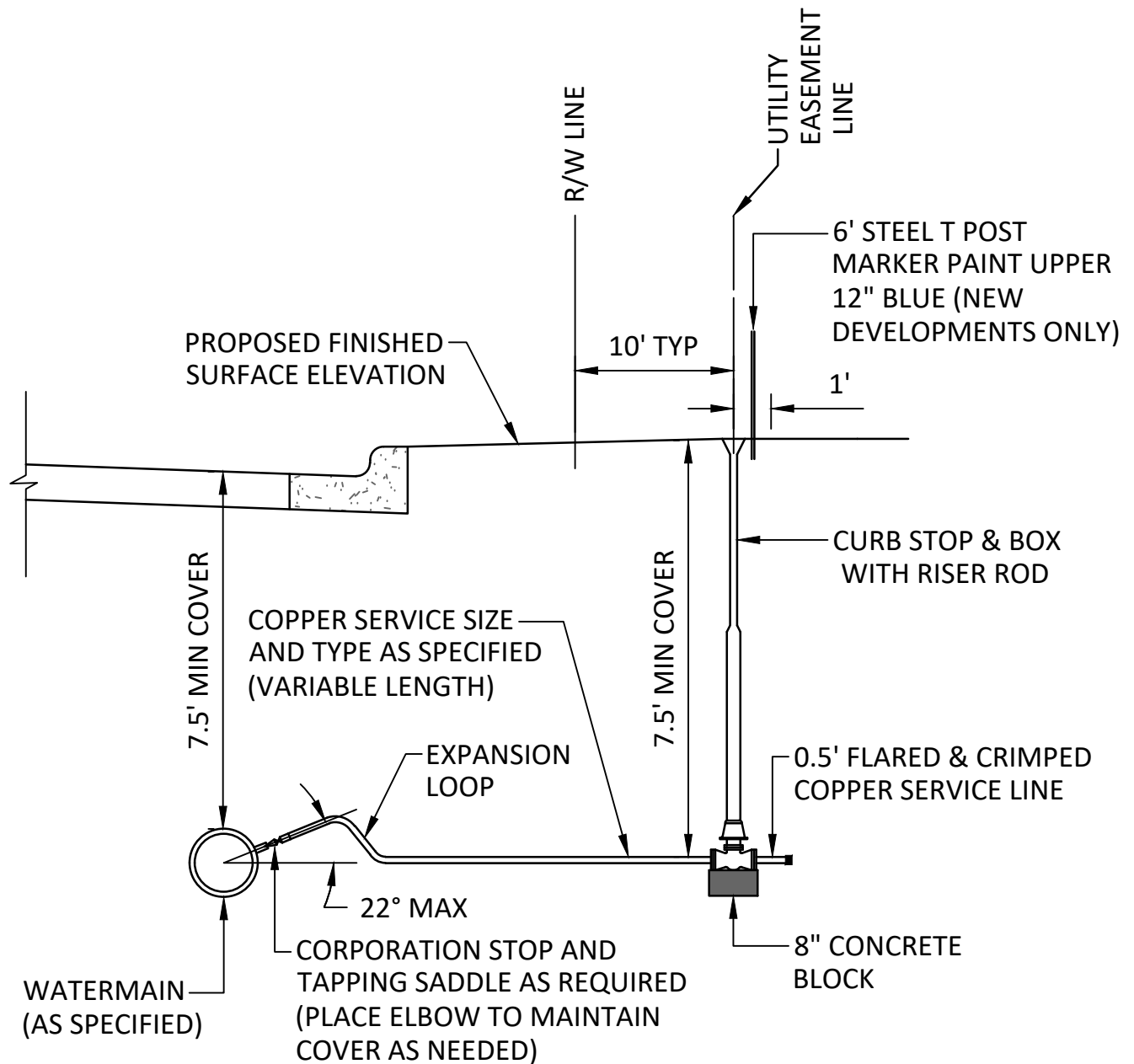
STANDARD DETAIL
DUCTILE IRON WATERMAIN TRENCH
CITY OF JORDAN

STANDARD DETAIL
NO. 6007J
DATE APRIL 2019



STANDARD DETAIL
HYDRANT LOCATION
CITY OF JORDAN

STANDARD DETAIL
NO. 6008J
DATE APRIL 2019

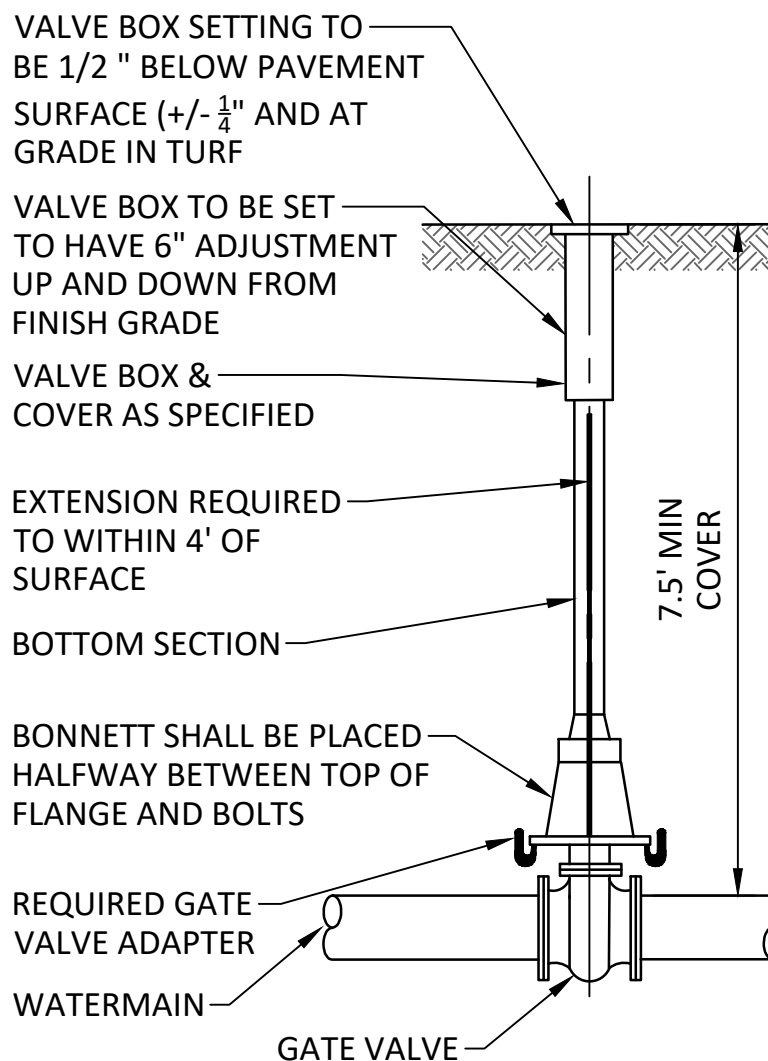


STANDARD DETAIL
WATER SERVICE INSTALLATION
CITY OF JORDAN

STANDARD DETAIL
 NO. 6009J
 DATE APRIL 2019

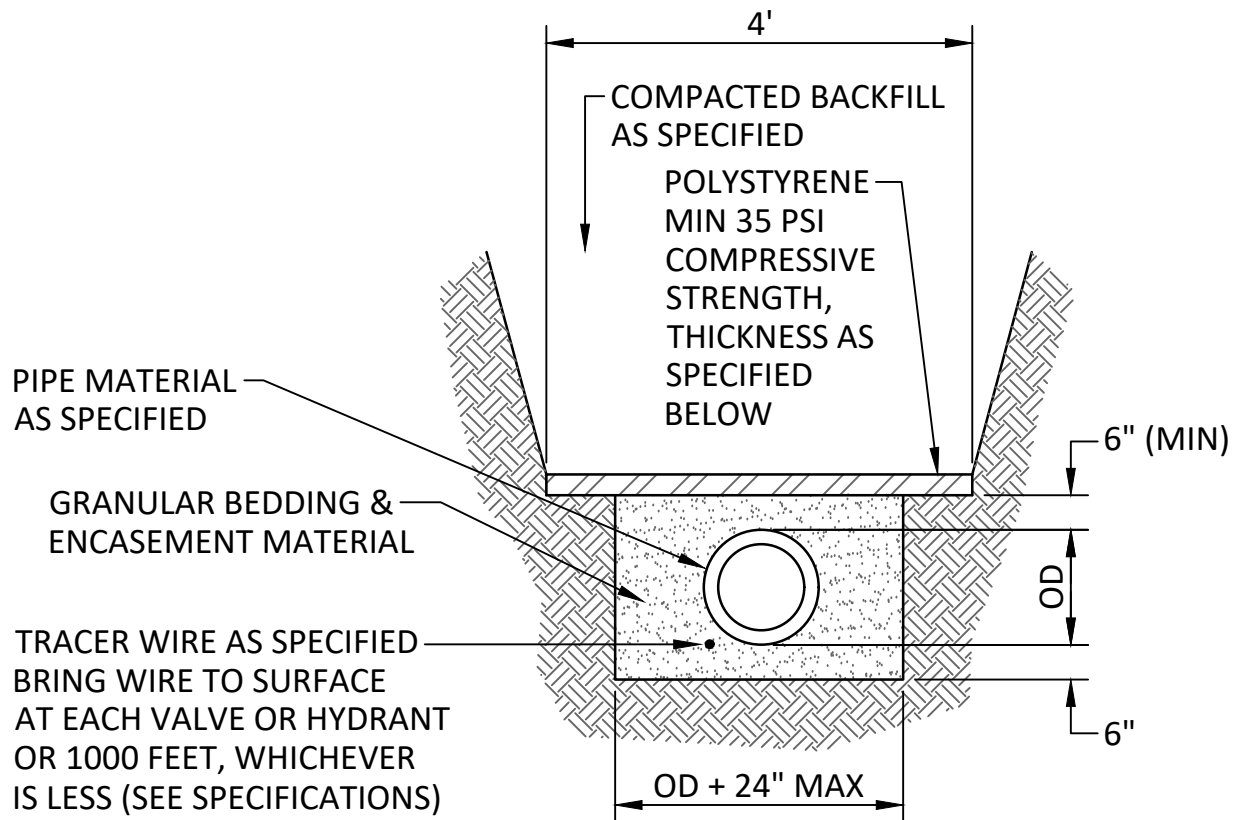
NOTES:

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. 6010J
DATE APRIL 2019



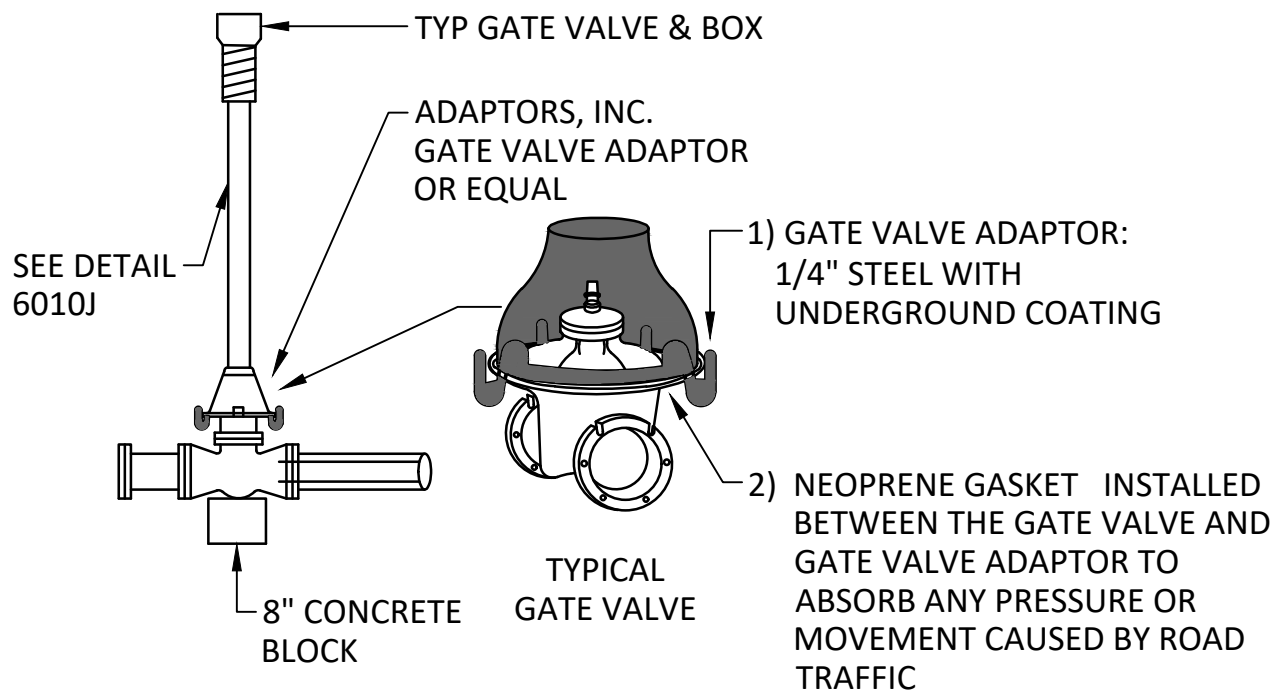
"D" DEPTH OF PIPE	"W" WIDTH OF INSULATION	"T" THICKNESS OF INSULATION
2'	12'	4'
3'	10'	4'
4'	8'	4'
5'	6'	4'
6'	4'	4'
7'	4'	4'

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



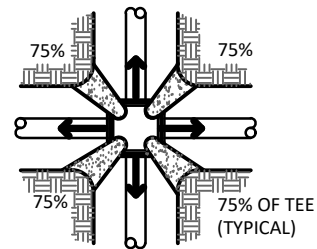
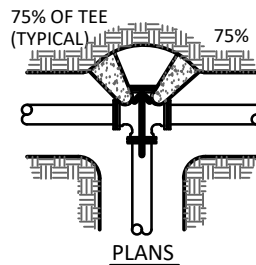
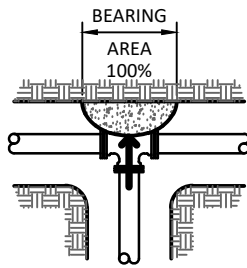
STANDARD DETAIL
WATERMAIN INSULATION
CITY OF JORDAN

STANDARD DETAIL
NO. 6011J
DATE APRIL 2019

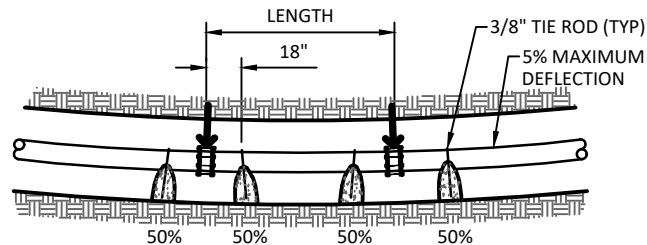
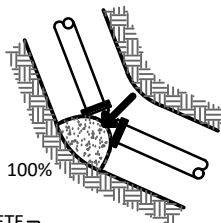
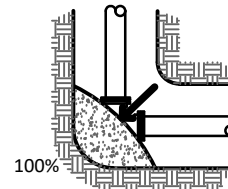
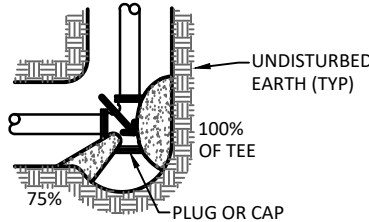
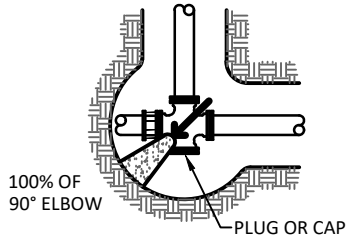


STANDARD DETAIL
GATE VALVE ADAPTOR
CITY OF JORDAN

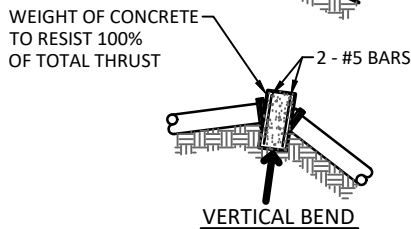
STANDARD DETAIL
NO. 6012J
DATE APRIL 2019



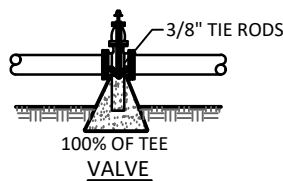
PLANS



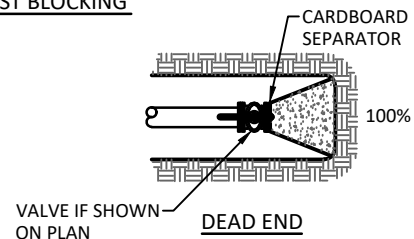
CURVE THRUST BLOCKING



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

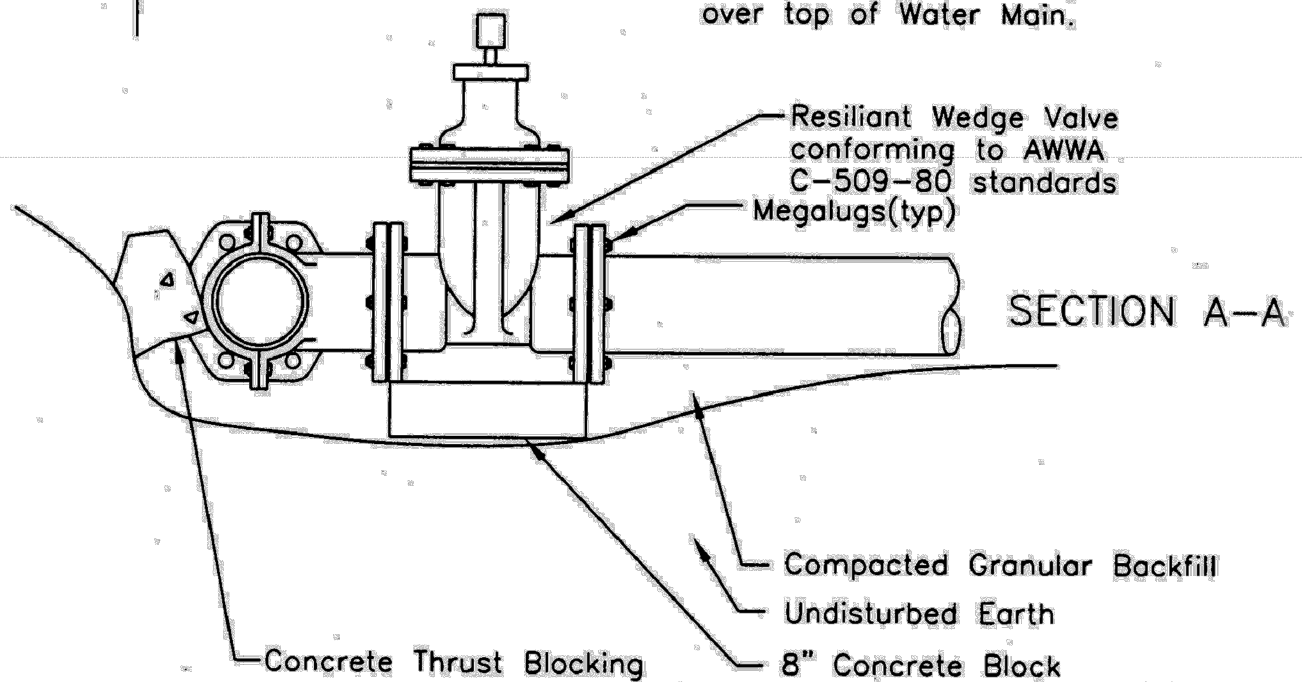
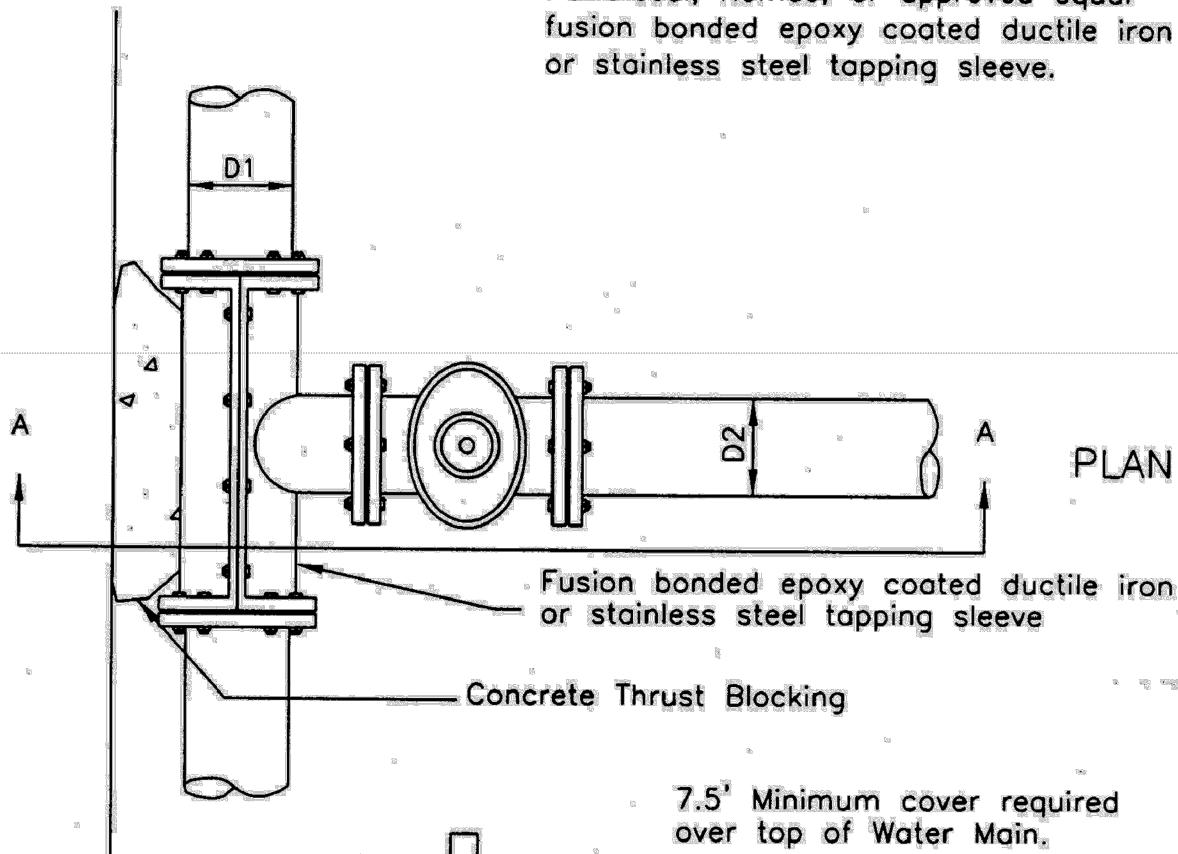
MULTIPLY THRUST BY DEGREE OF DEFLECTION TO
OBTAIN TOTAL THRUST



STANDARD DETAIL CONCRETE THRUST BLOCKS CITY OF JORDAN

STANDARD DETAIL
NO. 6020J
DATE APRIL 2019

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

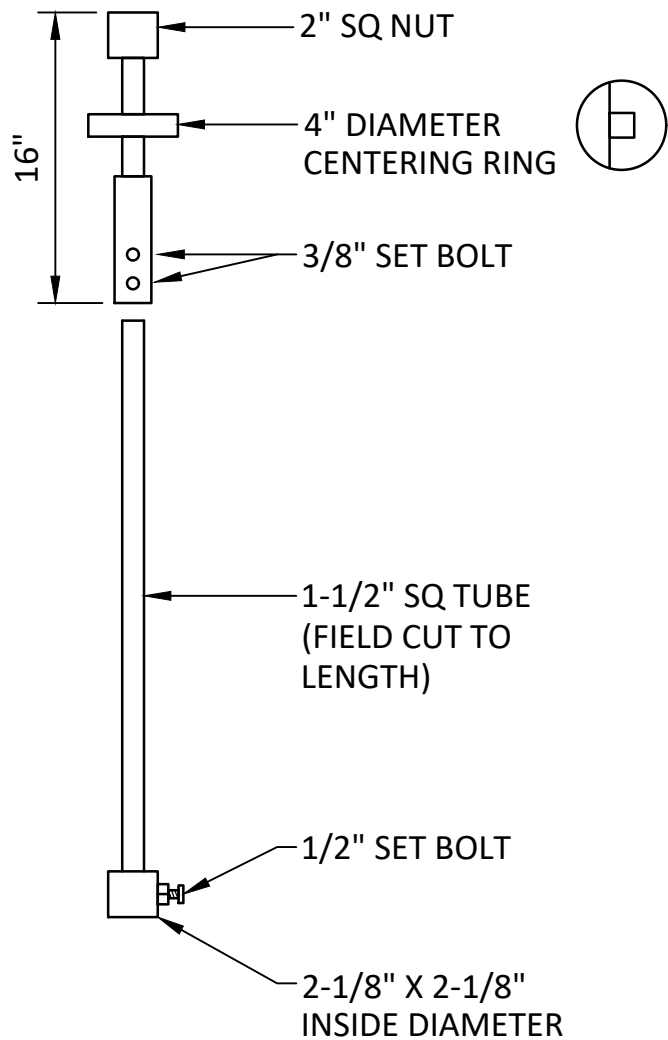


Note: All watermain bolts shall be core-blue or an approved equal



STANDARD DETAIL
WATERMAIN WET TAP
CITY OF JORDAN

STANDARD DETAIL
NO. 6023J
DATE APRIL 2019



STANDARD DETAIL

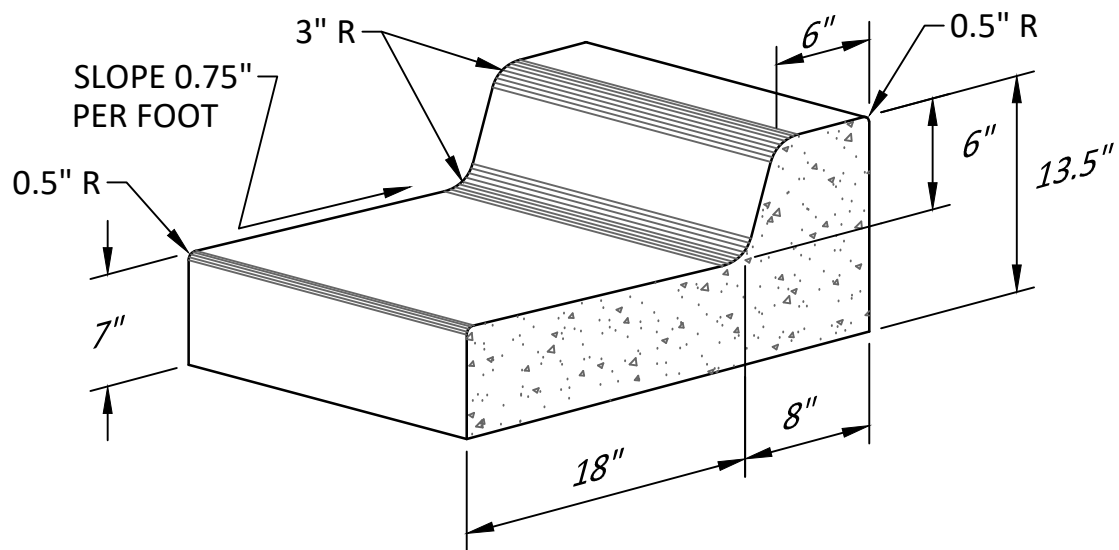
ADJUSTABLE VALVE EXTENSION STEM

CITY OF JORDAN

STANDARD DETAIL

NO. 6025J

DATE APRIL 2019



STANDARD DETAIL

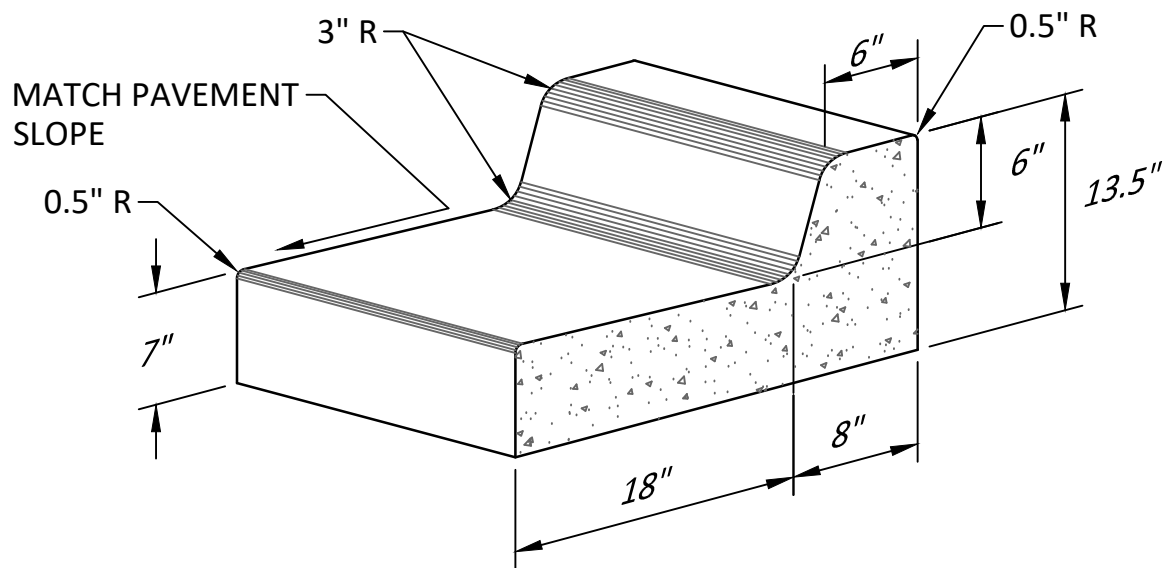
B618 CONCRETE CURB & GUTTER

CITY OF JORDAN

STANDARD DETAIL

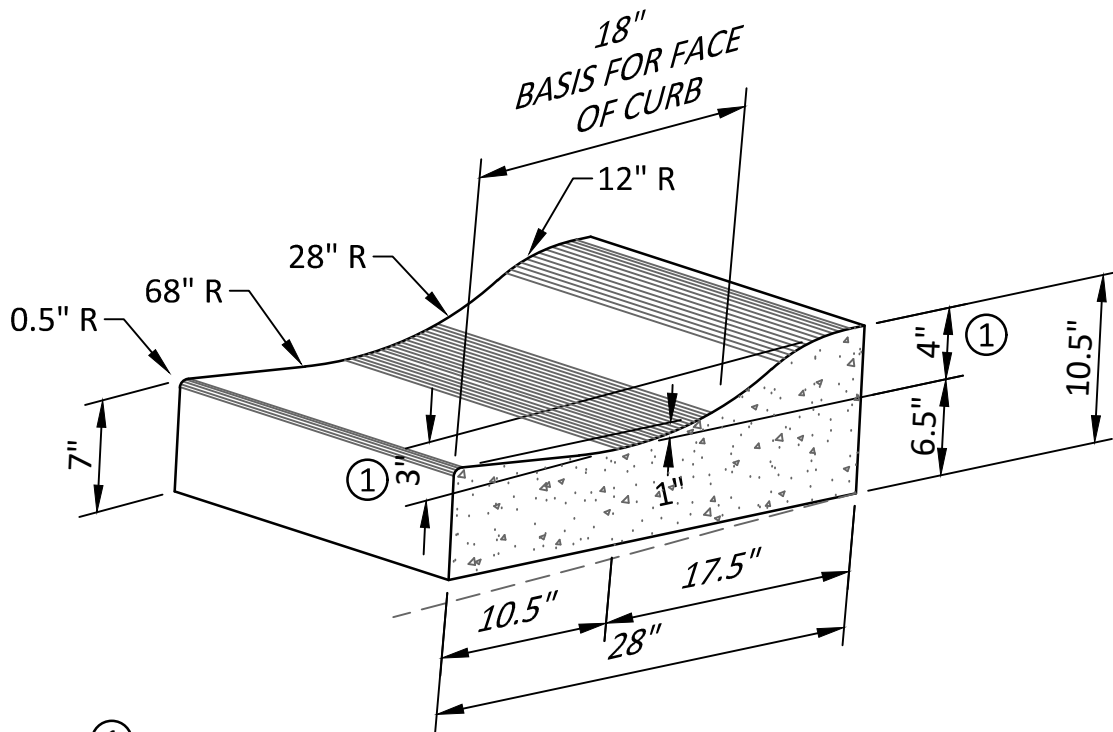
NO. 7001J

DATE APRIL 2019



STANDARD DETAIL
 B618 CURB & GUTTER (GUTTER OUT)
 CITY OF JORDAN

STANDARD DETAIL
 NO. 7002J
 DATE APRIL 2019



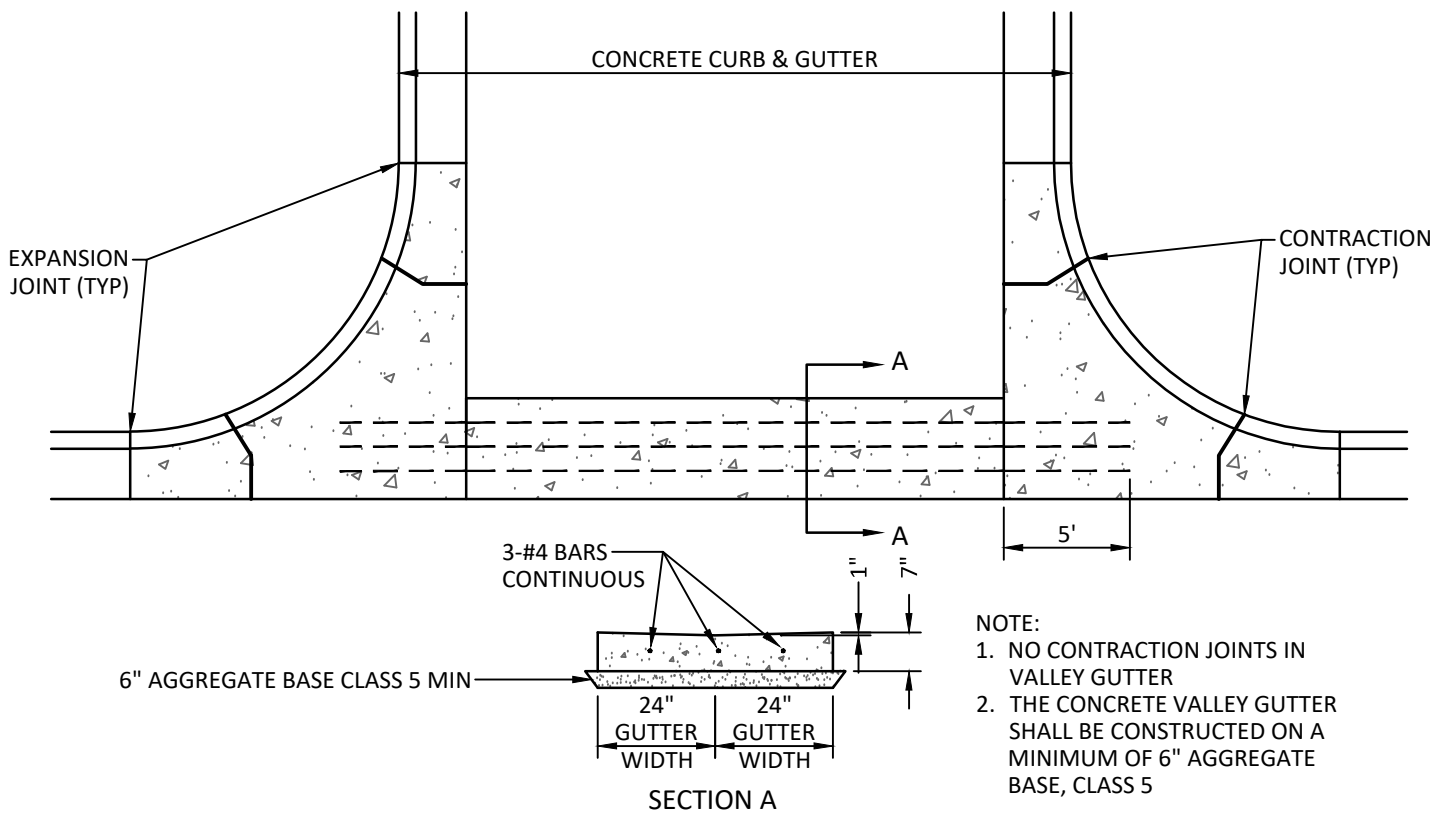
- ① **NOTE:**
CURB SHALL BE PLACED IN A TILTED POSITION AS SUCH TO PROVIDE A 3" DEPTH FROM THE TOP OF CURB TO THE FLOWLINE WHEN MEASURED ON A LEVEL HORIZONTAL PLANE, AND 4" DEPTH WHEN MEASURED ALONG BACK OF CURB.

(MODIFIED 5418 EDINA STYLE)



STANDARD DETAIL
MOUNTABLE CONCRETE CURB & GUTTER
CITY OF JORDAN

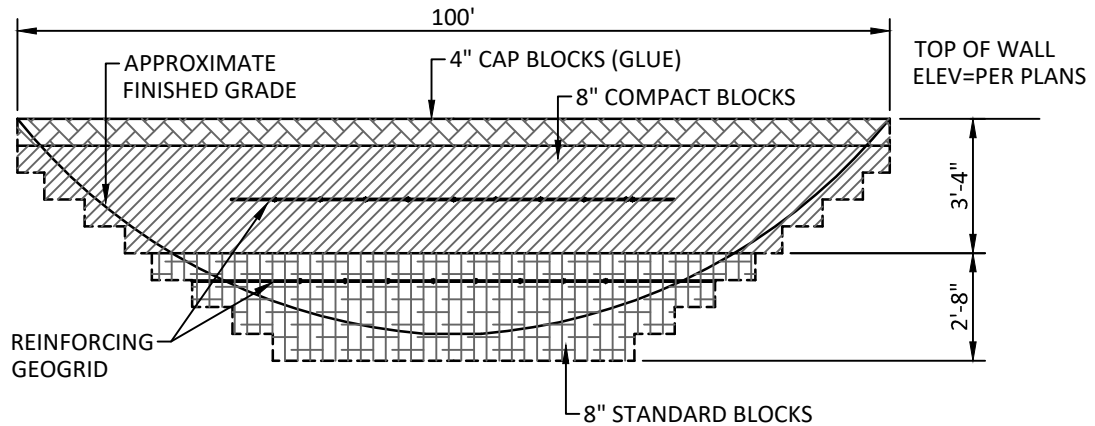
STANDARD DETAIL
NO. 7003J
DATE APRIL 2019



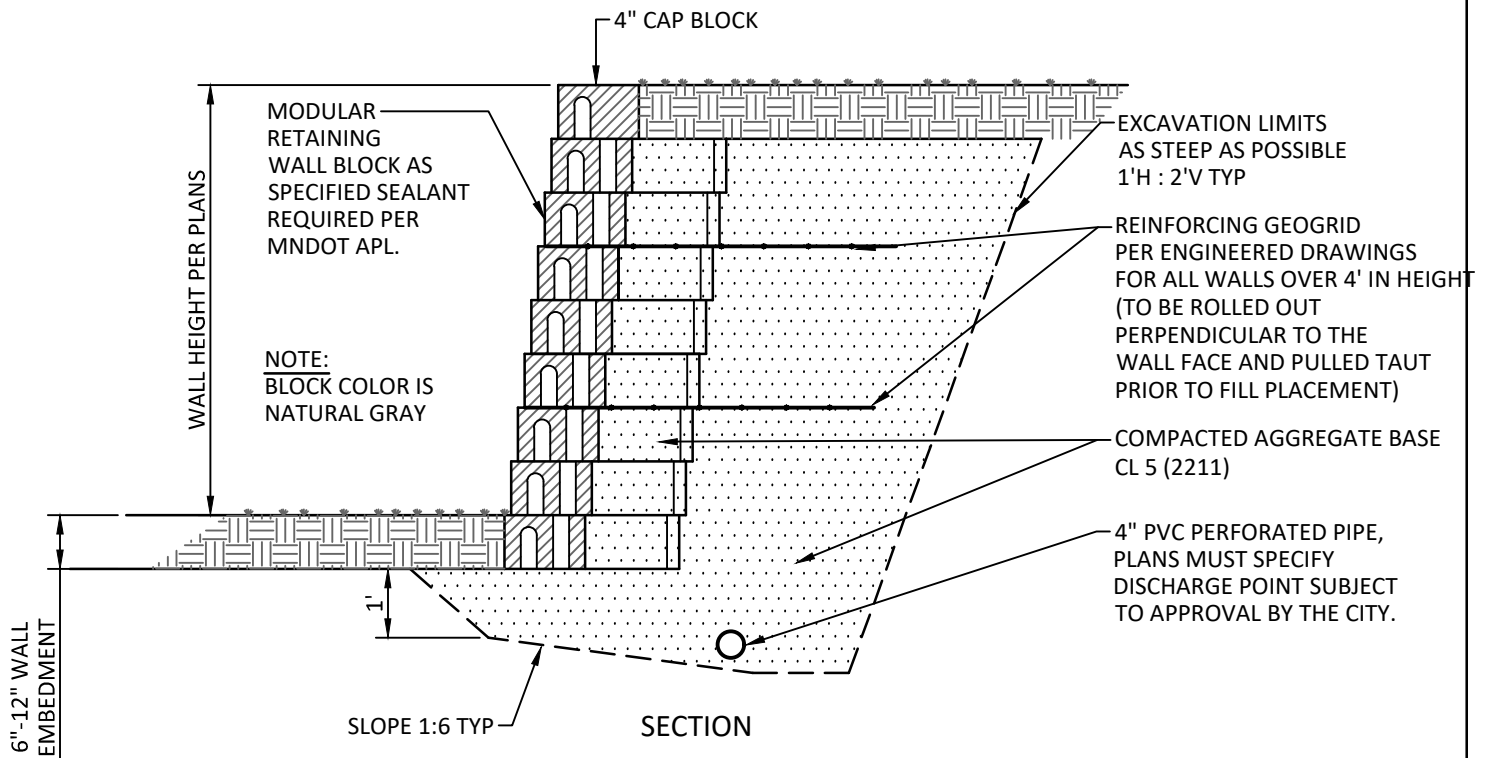
STANDARD DETAIL
CONCRETE VALLEY GUTTER
CITY OF JORDAN

STANDARD DETAIL
NO. 7004J
DATE APRIL 2019

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. 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.
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. 7008J
DATE APRIL 2019

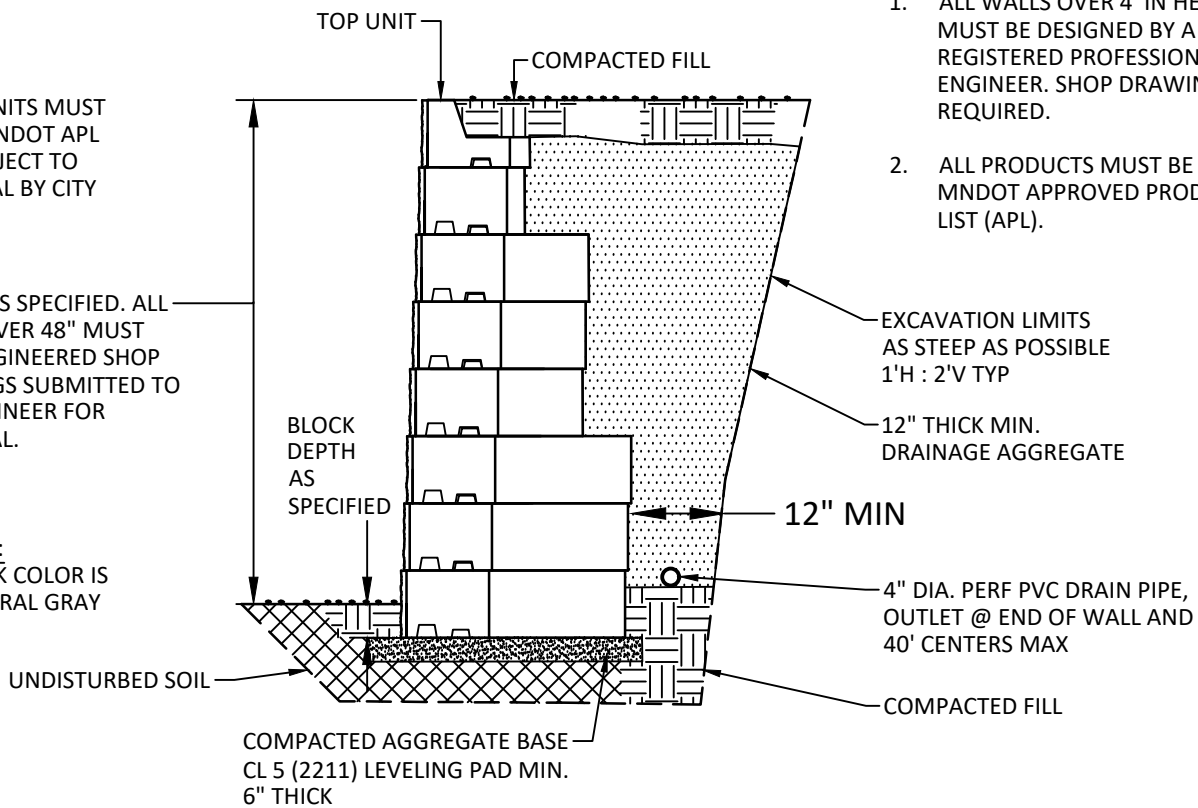
NOTE:

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).

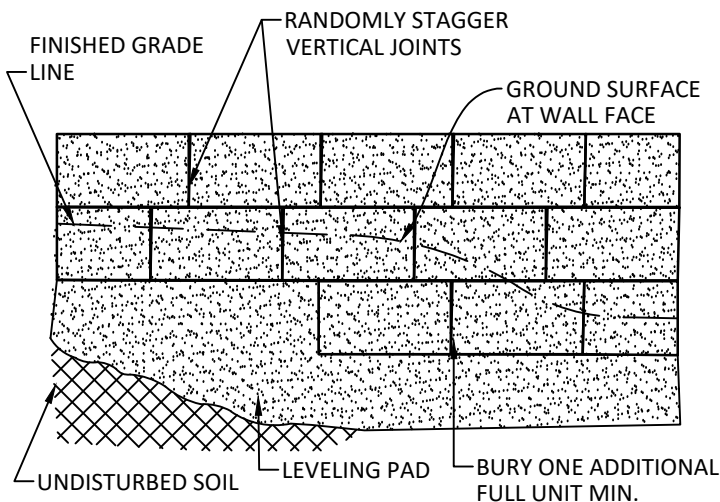
BLOCK UNITS MUST BE ON MNDOT APL AND SUBJECT TO APPROVAL BY CITY

HEIGHT AS SPECIFIED. ALL WALLS OVER 48" MUST HAVE ENGINEERED SHOP DRAWINGS SUBMITTED TO CITY ENGINEER FOR APPROVAL.

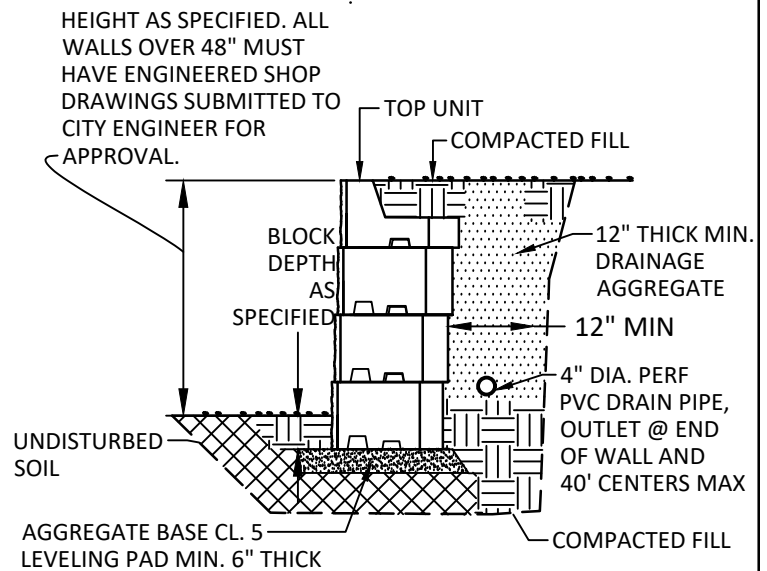
NOTE:
BLOCK COLOR IS NATURAL GRAY



**SECTION
LARGE BLOCK RETAINING WALL
(HEIGHT >4')**



STEPPING BASE DETAIL

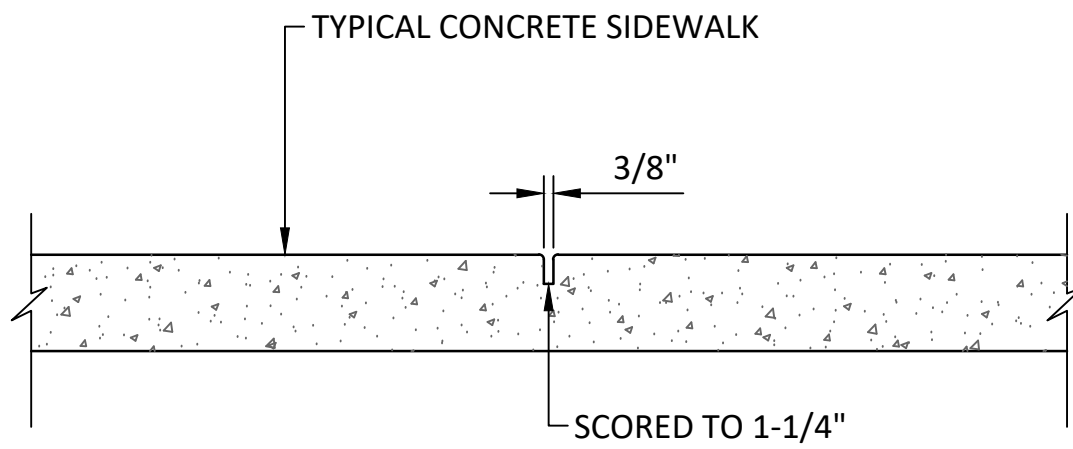


**LARGE BLOCK RETAINING WALL
(HEIGHT <4')**



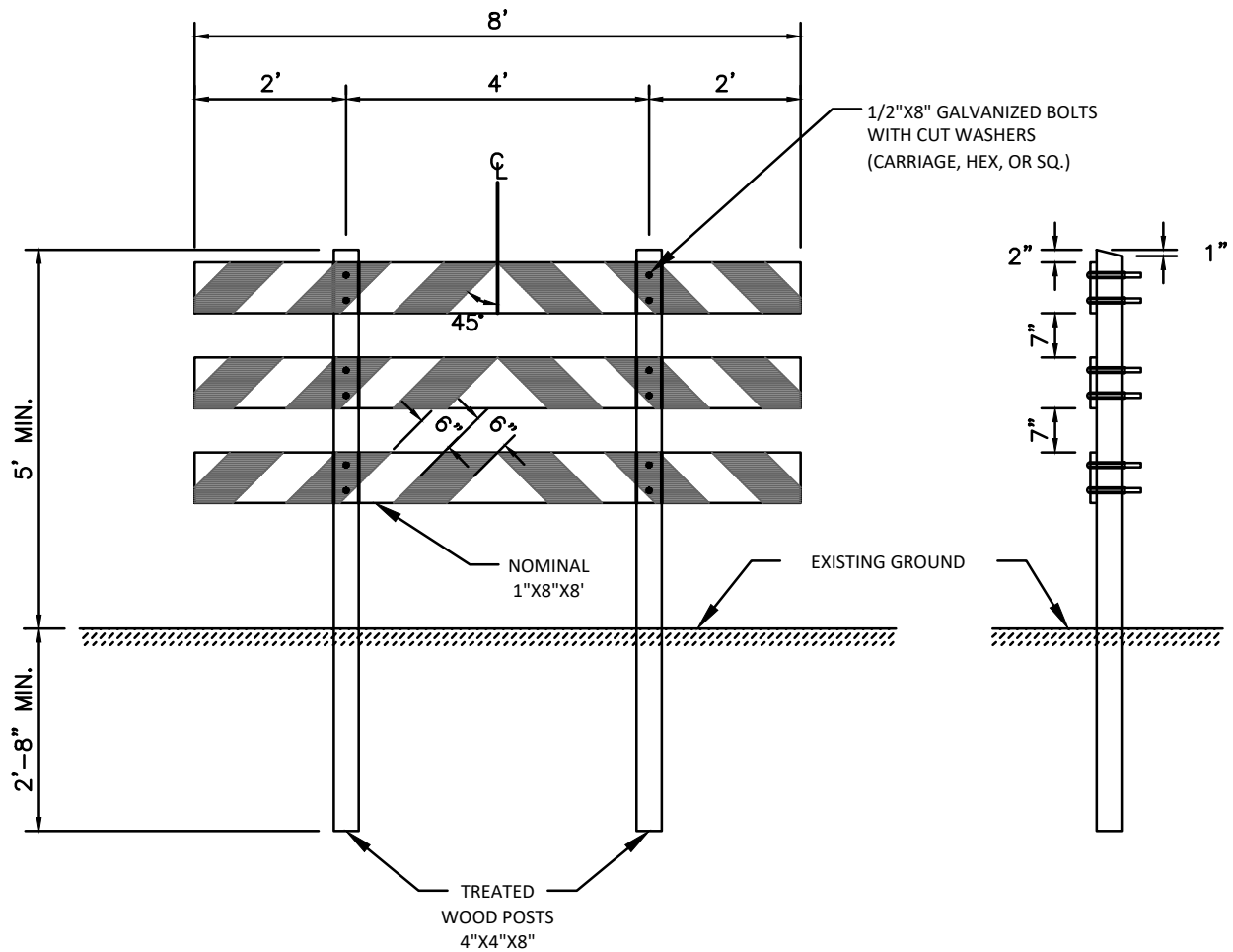
**STANDARD DETAIL
BIG BLOCK MODULAR RETAINING WALL
CITY OF JORDAN**

**STANDARD DETAIL
NO. 7009J
DATE APRIL 2019**



STANDARD DETAIL
CONTRACTION JOINT
CITY OF JORDAN

STANDARD DETAIL
NO. 7011J
DATE APRIL 2019



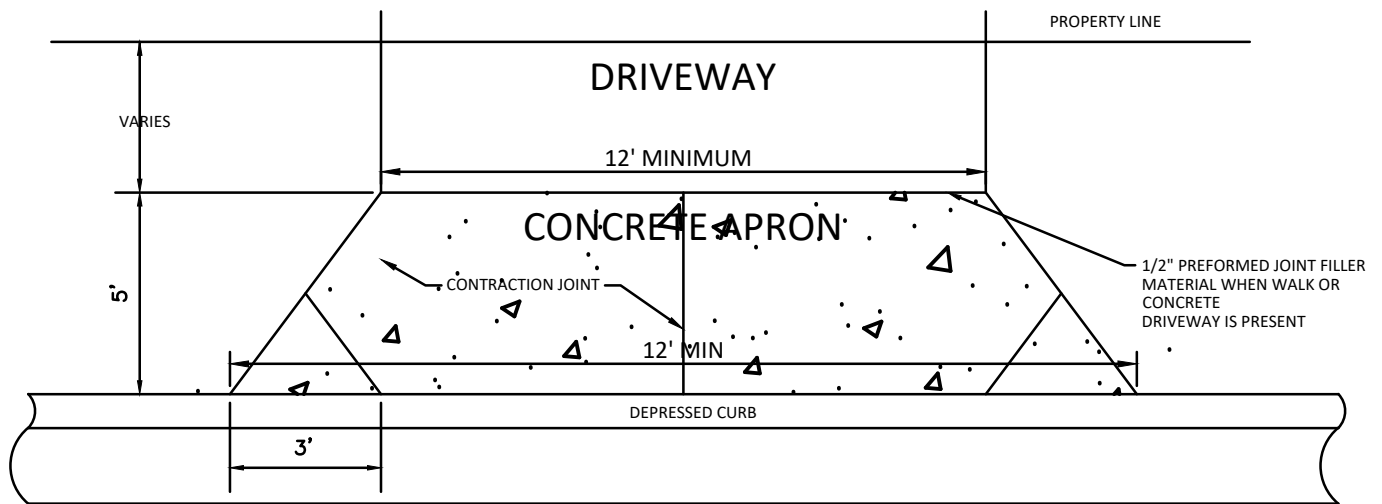
NOTES:

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

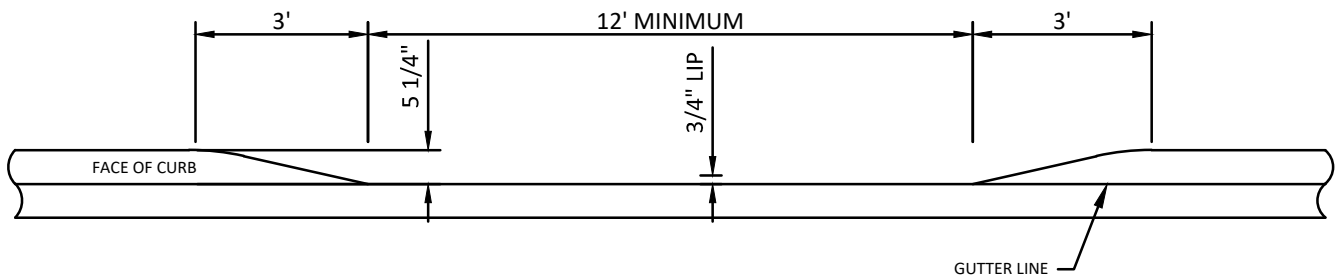


**STANDARD DETAIL
TYPICAL BARRICADE
CITY OF JORDAN**

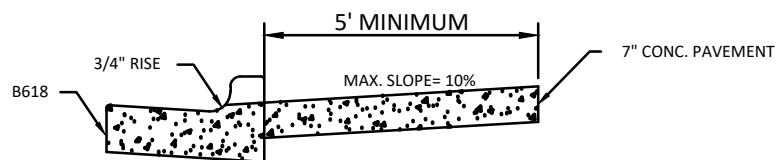
STANDARD DETAIL
NO. 7014J
DATE APRIL 2019



PLAN



ELEVATION

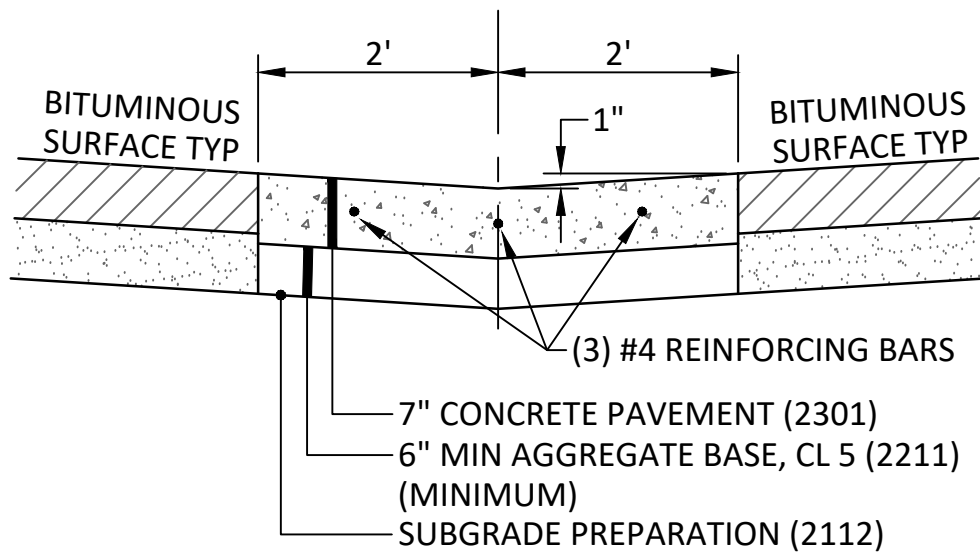


SECTION



STANDARD DETAIL
DEPRESSED CURB WITH DRIVEWAY APRON
CITY OF JORDAN

STANDARD DETAIL
NO. 7015J
DATE APRIL 2019



STANDARD DETAIL

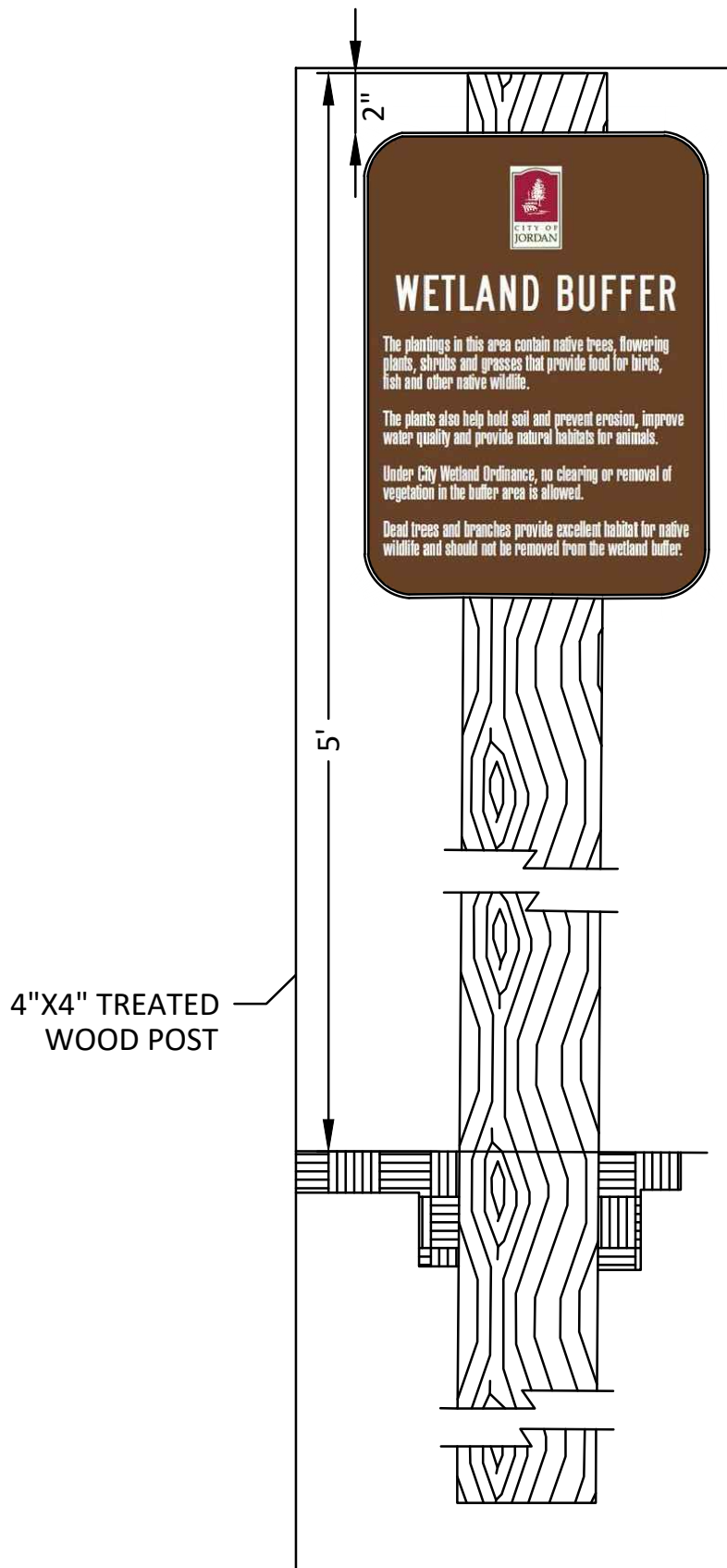
CONCRETE DRAINAGE PAN

CITY OF JORDAN

STANDARD DETAIL

NO. 7017J

DATE APRIL 2019



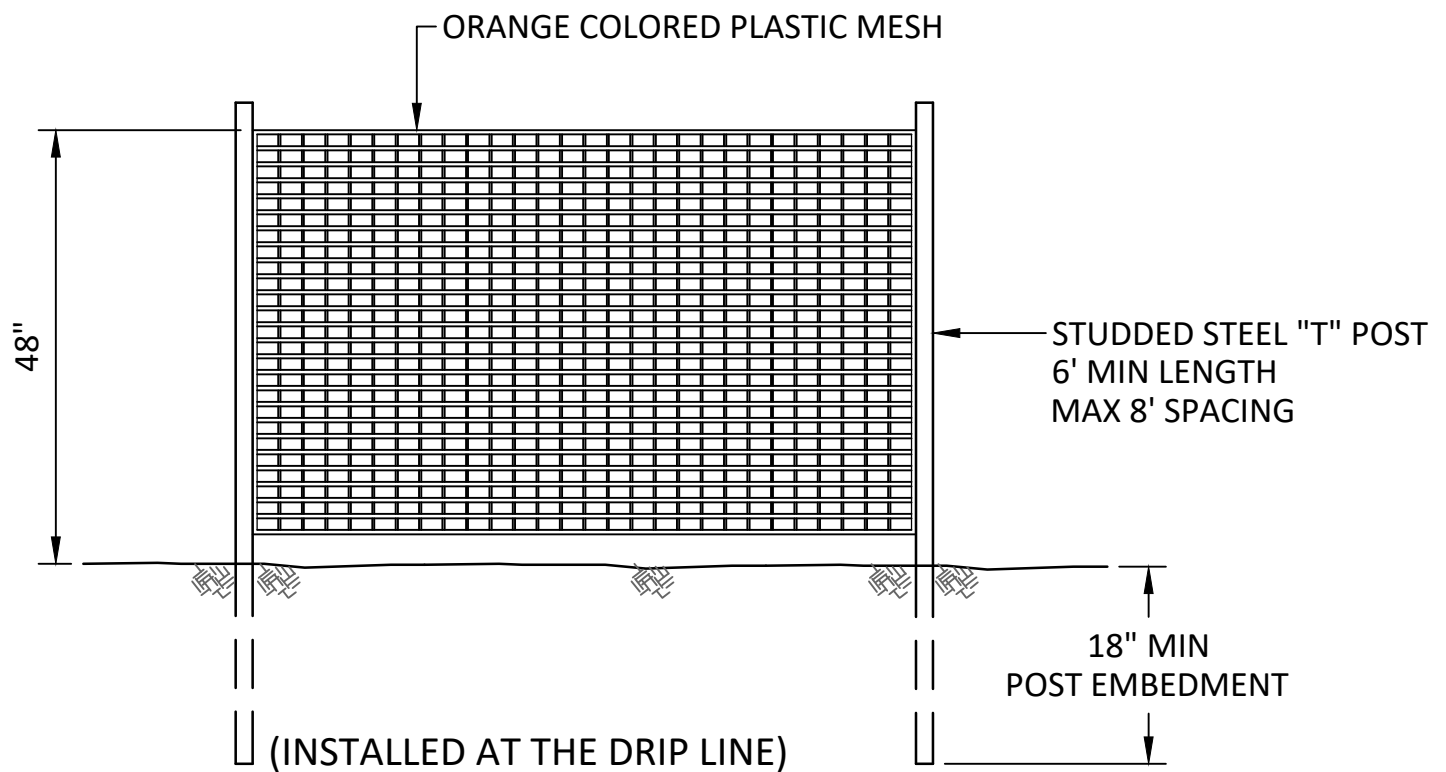
NOTES:

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 APRIL 2019



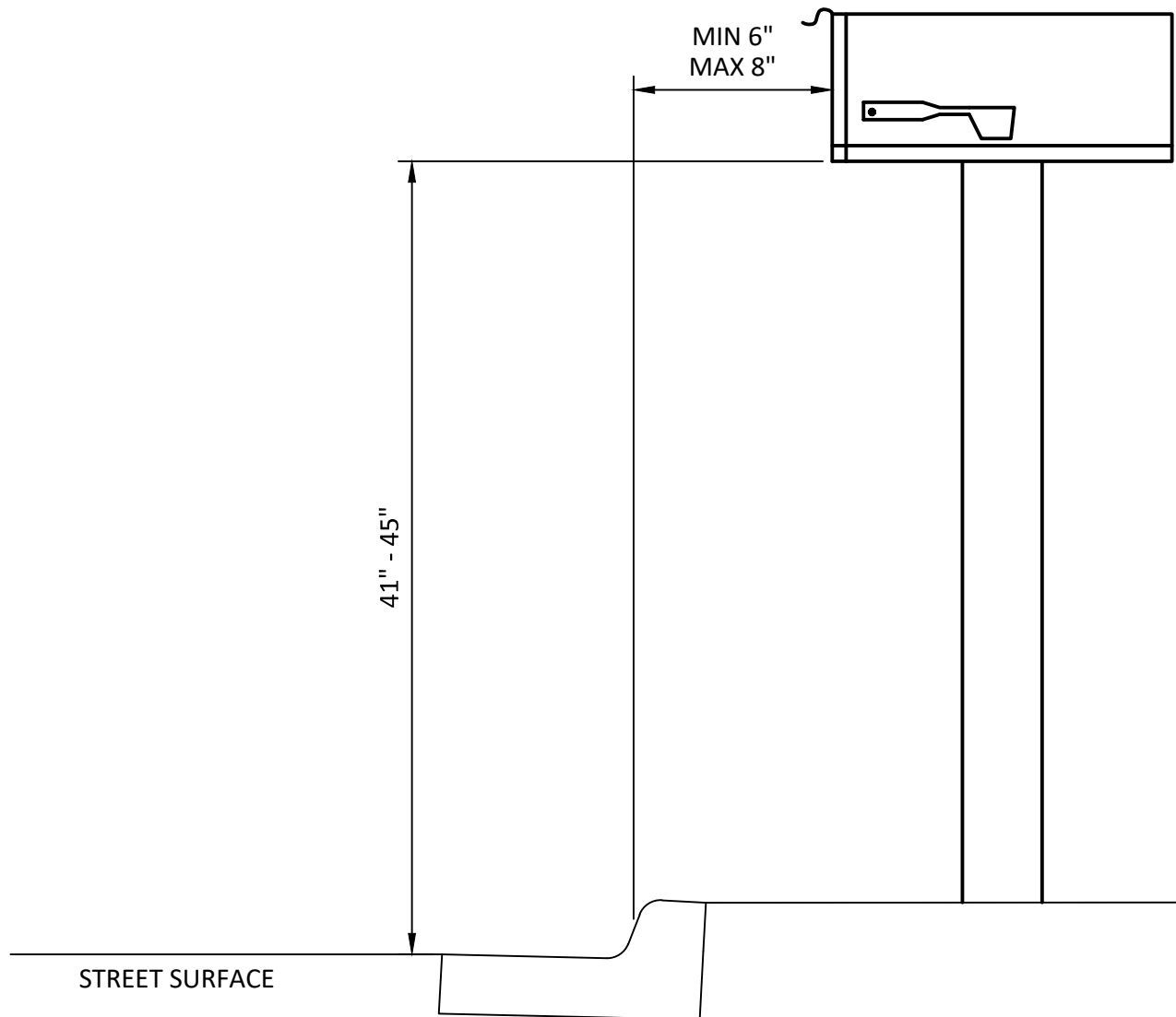
NOTES:

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.



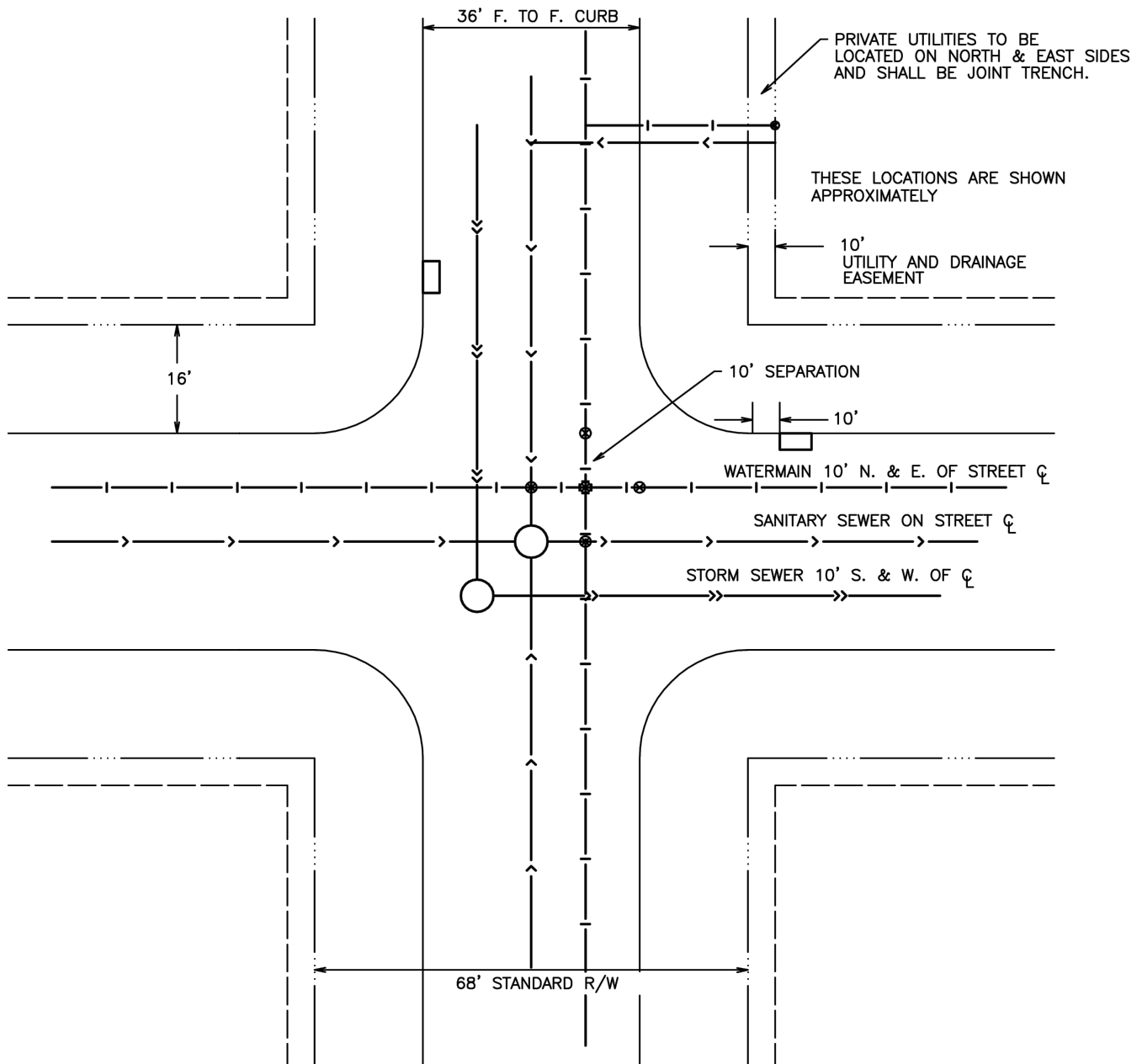
**STANDARD DETAIL
TREE PRESERVATION FENCE
CITY OF JORDAN**

STANDARD DETAIL
NO. 9009J
DATE APRIL 2019



STANDARD DETAIL
MAILBOX INSTALLATION
CITY OF JORDAN

STANDARD DETAIL
 NO. 9012J
 DATE APRIL 2019



STANDARD DETAIL

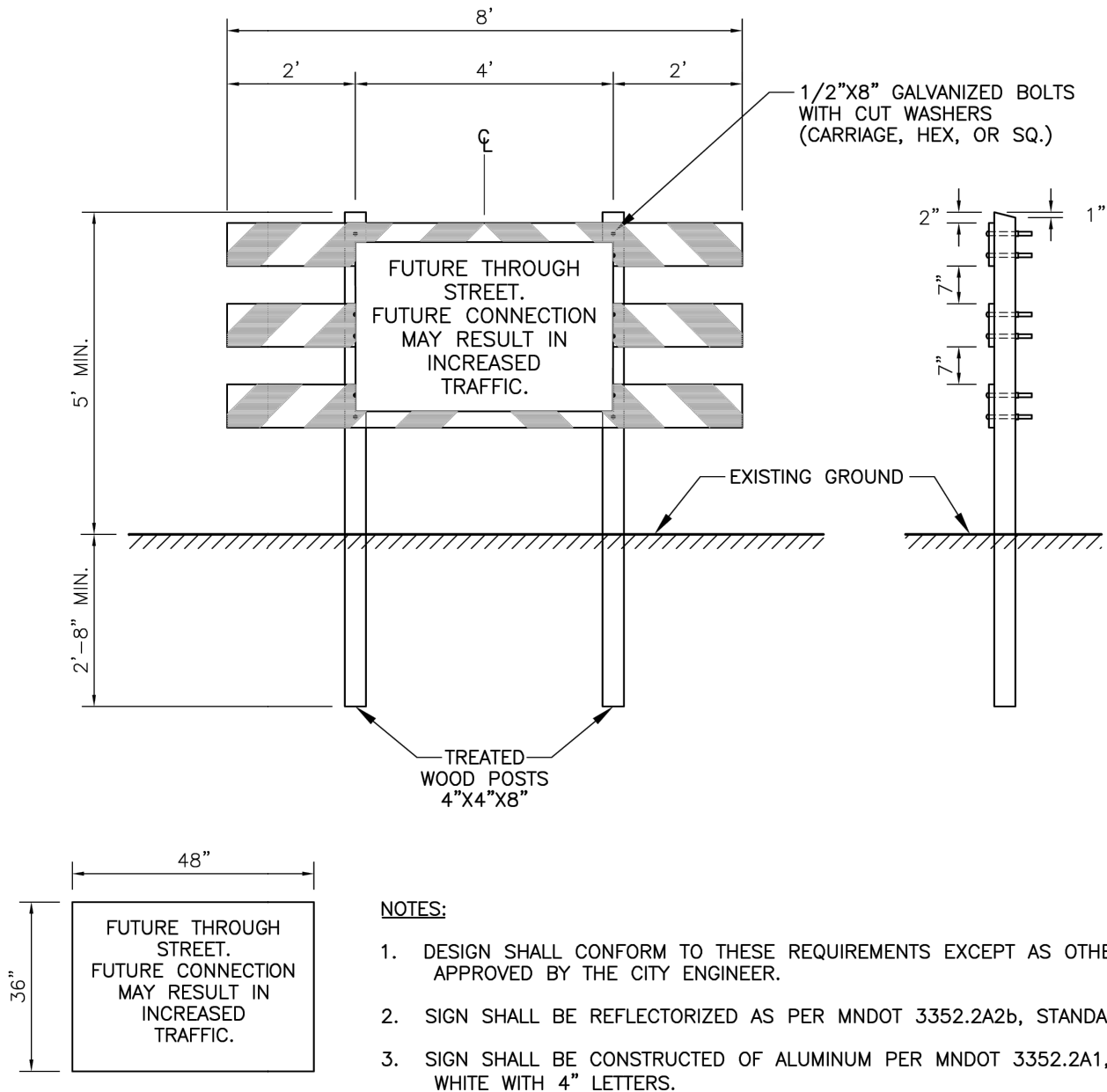
TYPICAL LOCATION OF PUBLIC UTILITIES

CITY OF JORDAN

STANDARD DETAIL
 NO. 9014J
 DATE APRIL 2019

NOTE:

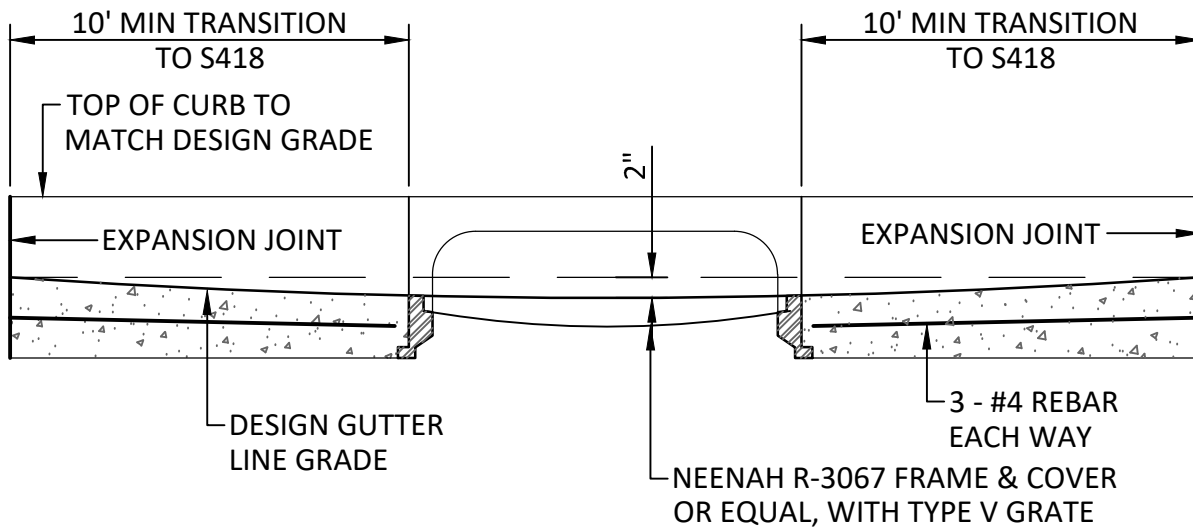
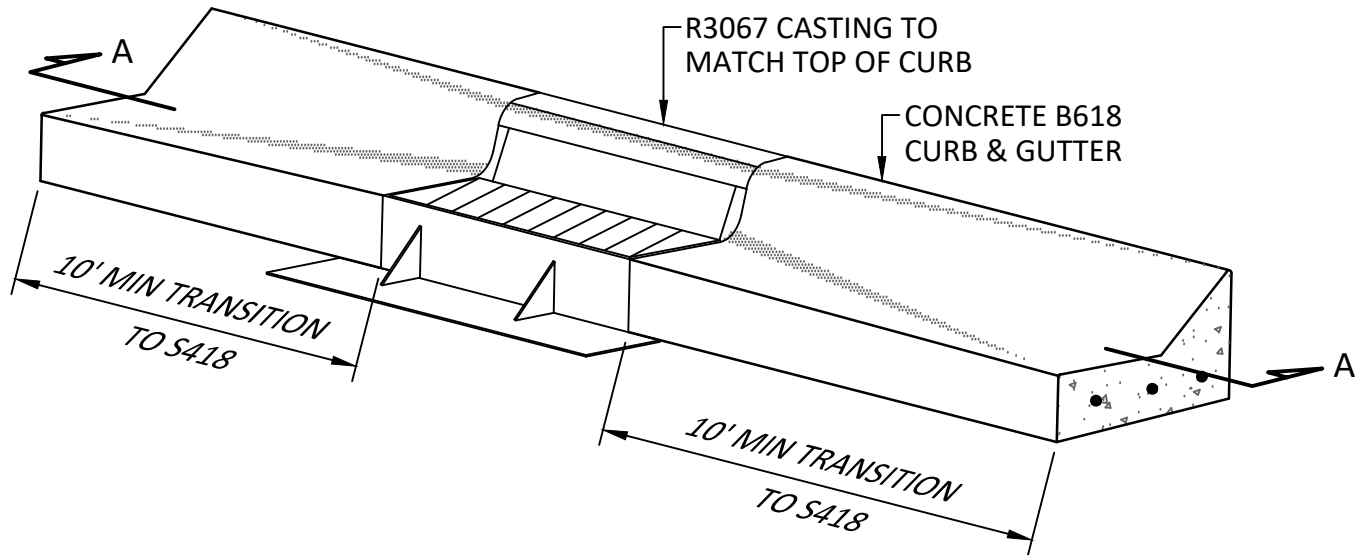
BARRICADE AS PER JORDAN
STANDARD DETAIL PLATE 7013J



STANDARD DETAIL
FUTURE THROUGH STREET SIGN
CITY OF JORDAN

STANDARD DETAIL
NO. 9015J
DATE APRIL 2019

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. 70010J

DATE APRIL 2019