

DEPARTMENT OF GENERAL SERVICES, PURCHASING DIVISION

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Paul Brennan, FNIGP, CPPO
Director of Purchasing

ADDENDUM # 11

**CAPITAL PROJECT 3414:
CONSTRUCTION OF NEW HIGHWAY FACILITY**

The information in this addendum supersedes any contradictory information set forth in the contract documents. Acknowledge receipt of this addendum in the space provided on the signature page of the bid proposal. Failure to do so, may subject the bidder to disqualification. This addendum forms a part of the contract documents.

This is a reissue of Drawings 0.01.003 to 0.01.602 Part 1. In this addendum are Dwg 0.01.403, Dwg 0.01.501, Dwg 0.01.502, Dwg 0.01.503, Dwg 0.01.504, Dwg 0.01.505, Dwg 0.01.506, Dwg 0.01.507, Dwg 0.01.601, Dwg 0.01.602. These drawings are being reposted to correct a formatting problem that hindered printing. They are uploaded a separate attachment.

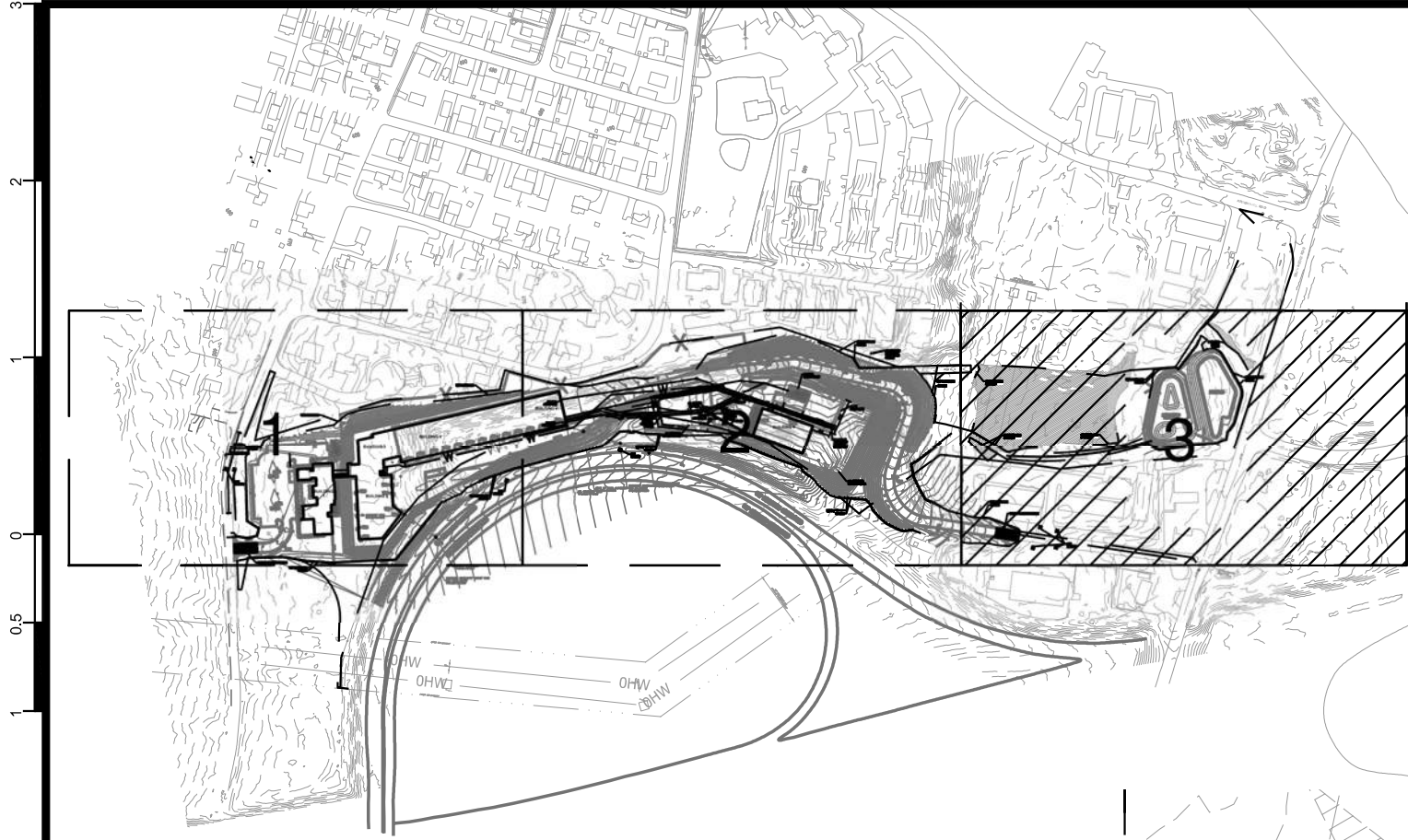
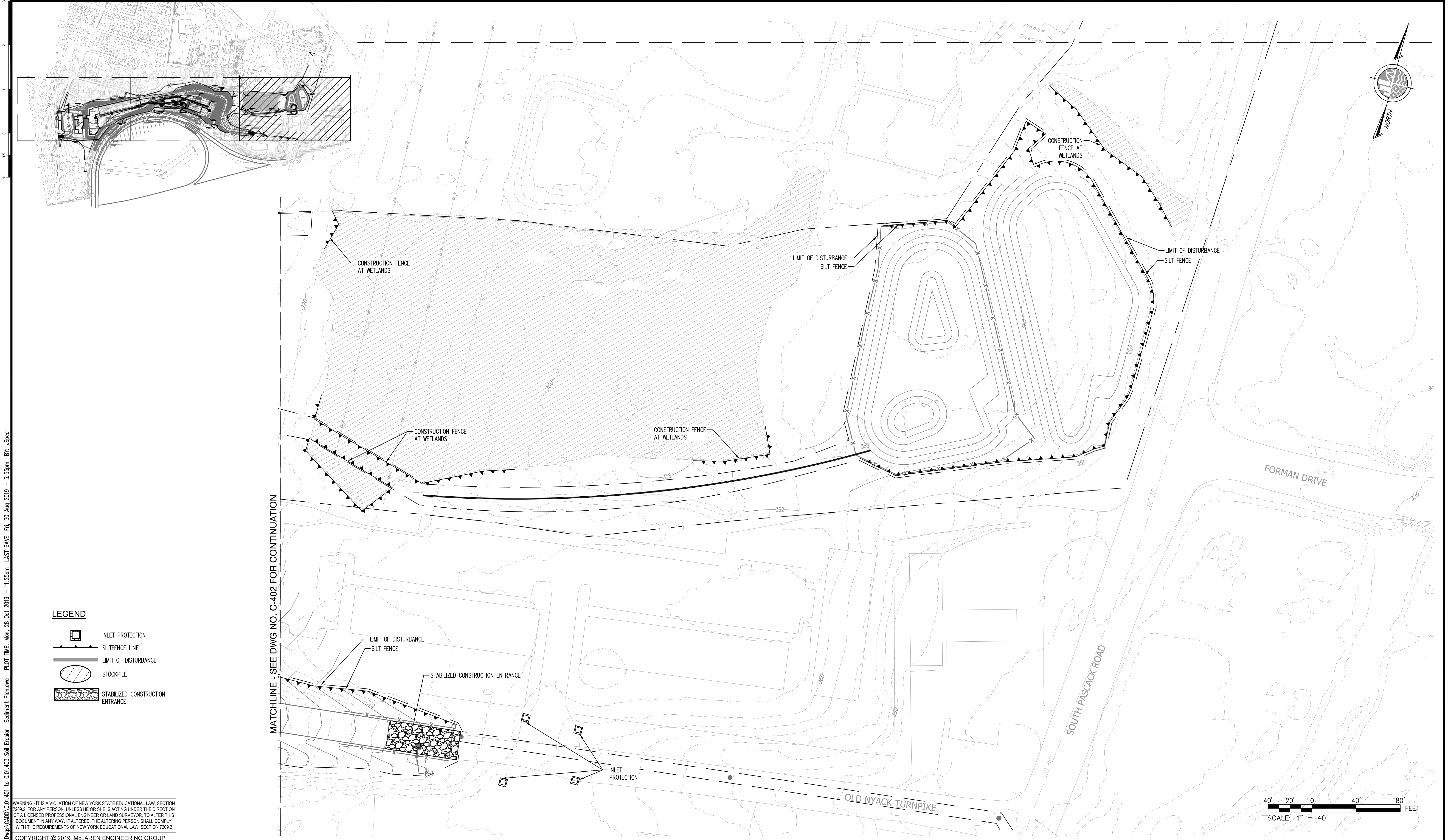
SIGNED:

Paul J. Brennan

**PAUL J. BRENNAN, FNIGP, CPPO
DIRECTOR OF PURCHASING**

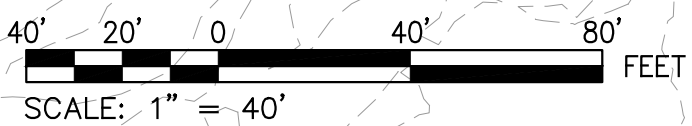
ADDENDUM

12/11/19



- LEGEND**
- INLET PROTECTION
 - SILTFENCE LINE
 - LIMIT OF DISTURBANCE
 - STOCKPILE
 - STABILIZED CONSTRUCTION ENTRANCE

MATCHLINE - SEE DWG NO. C-402 FOR CONTINUATION

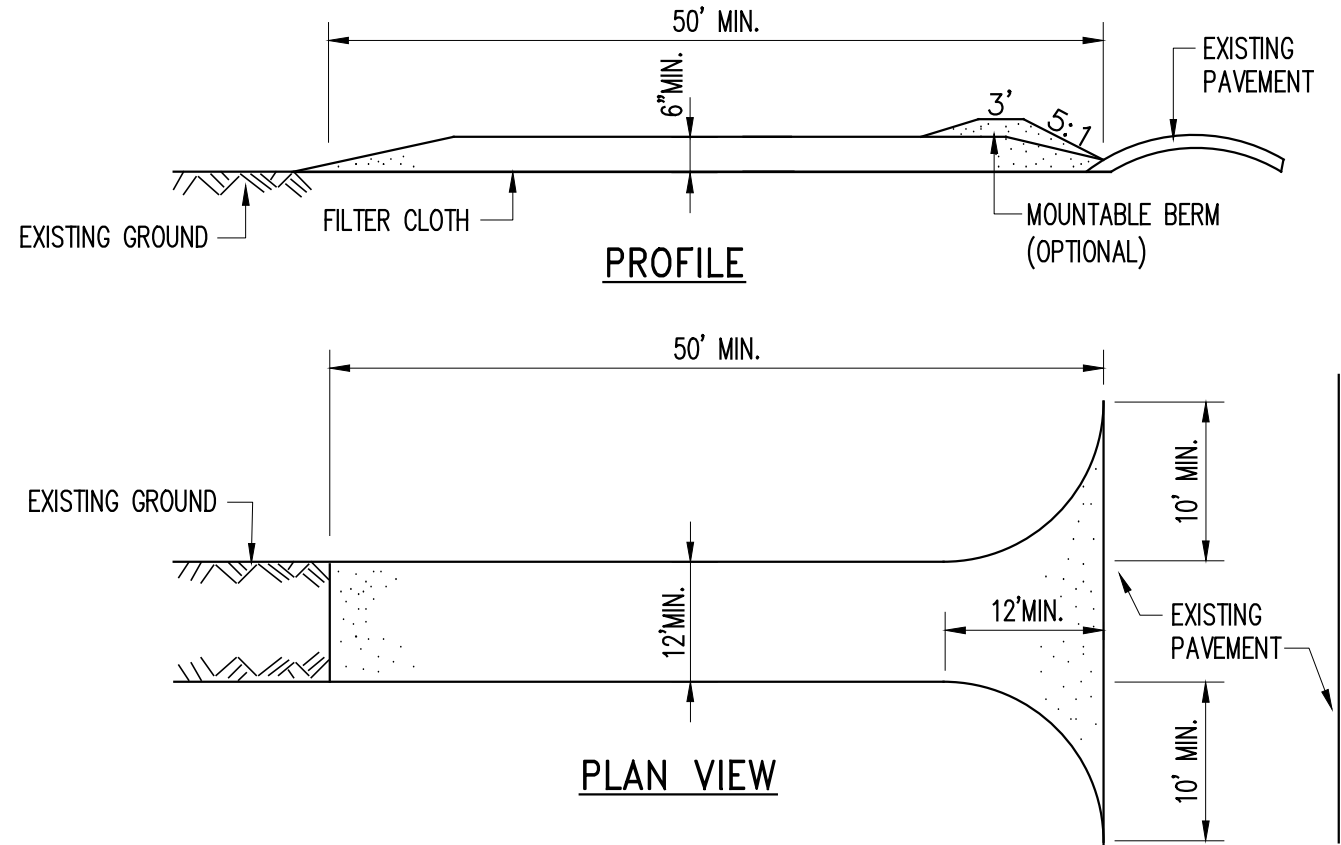


WARNING - IT IS A VIOLATION OF NEW YORK STATE EDUCATIONAL LAW, SECTION 7209.2, FOR ANY PERSON, UNLESS HE OR SHE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR, TO ALTER THIS DOCUMENT IN ANY WAY. IF ALTERED, THE ALTERING PERSON SHALL COMPLY WITH THE REQUIREMENTS OF NEW YORK EDUCATIONAL LAW, SECTION 7209.2

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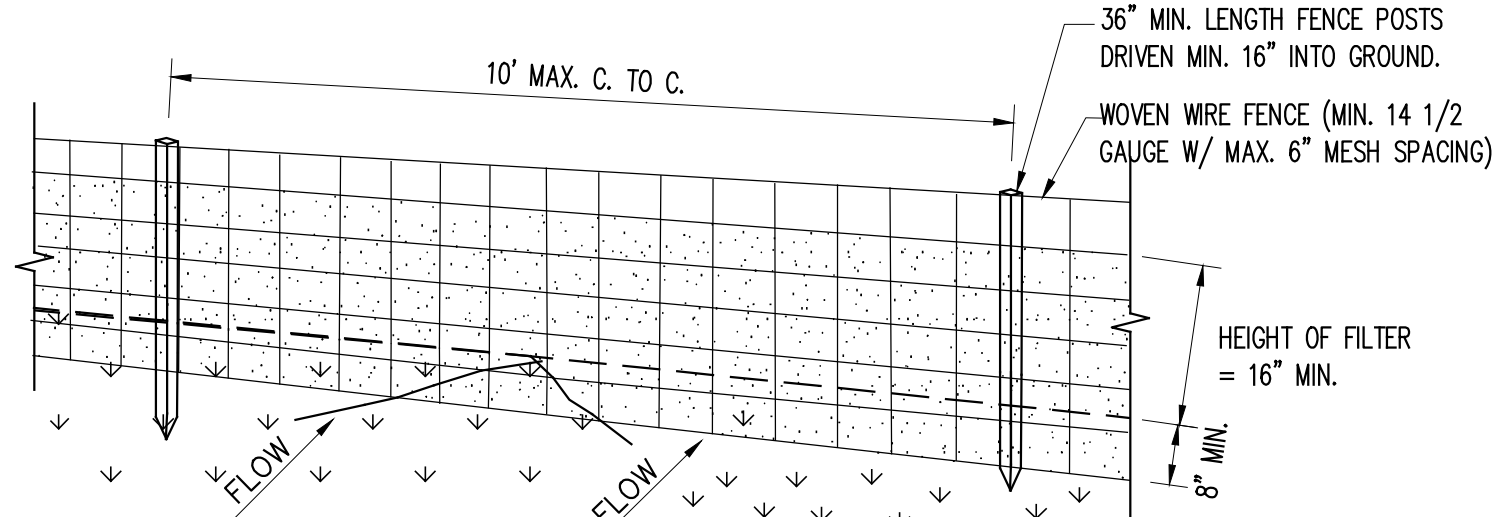
<p>CONSULTANTS ARCHITECT</p> <p>STV 100 Years</p> <p>STV Architects, P.C. 225 Park Avenue South New York, NY 10003 (212) 777-4400 FAX: (212) 473-2780 www.stvinc.com</p>		<p>MEP ENGINEER</p> <p>OLA Consulting Engineers</p> <p>60 Broadway, Hawthorne, New York 10522 914.747.2800</p> <p>12 East 49th Street, 11th Fl. New York, NY 10017 646.848.4110 olacoe.com</p>		<p>FACILITIES CONSULTANT</p> <p>Gannett Fleming</p>		<p>LANDSCAPE ARCHITECT</p> <p>IQ</p> <p>Imbiano-Quigley Landscape Architects</p> <p>31 Monmouth Ave., 7th Floor White Plains, New York 10601 admin@iqlandscape.com (914) 232-4000</p>		<p>PROJECT</p> <p>COUNTY OF ROCKLAND CAPITAL PROJECT NO. 1307 HIGHWAY DEPARTMENT / EMERGENCY OPERATIONS FACILITY COUNTY OF ROCKLAND, NEW YORK</p>		<p>McLaren ENGINEERING GROUP</p> <p>M. G. McLaren Engineering and Land Surveying P.C.</p> <p>530 Chestnut Ridge Road, Woodcliff Lake, NJ 07677 T: 201.775.8000 F: 201.746.8522 www.mgmclaren.com</p>		<p>SEAL</p> <p>STATE OF NEW YORK ENGINEER M. G. McLaren 101180 LICENSED PROFESSIONAL ENGINEER</p>		<p>SHEET NAME</p> <p>SOIL EROSION AND SEDIMENT CONTROL PLAN (SHEET 3 OF 3)</p>		<table><tr><td>No.</td><td>DATE</td><td>REVISION</td><td>BY</td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr></table>		No.	DATE	REVISION	BY																																					<p>PROJECT NO. 130439 SCALE AS NOTED DATE OCTOBER 30, 2019 DRAWN BY ORR CHECKED BY JMS APPROVED BY</p>		<p>ISSUED FOR BID SET</p> <p>DRAWING NO. 0.01.403</p> <p>21 of 377 SHS</p>	
No.	DATE	REVISION	BY																																																										

FILE NAME: P:\Proj\130\130439\10_Dwg\CAD\01.501_Silt Erosion and Sediment Detailing.dwg PLOT TIME: Mon, 28 Oct 2019 - 11:25am LAST SAVE: Fri, 18 Oct 2019 - 5:31pm BY: JSpeer

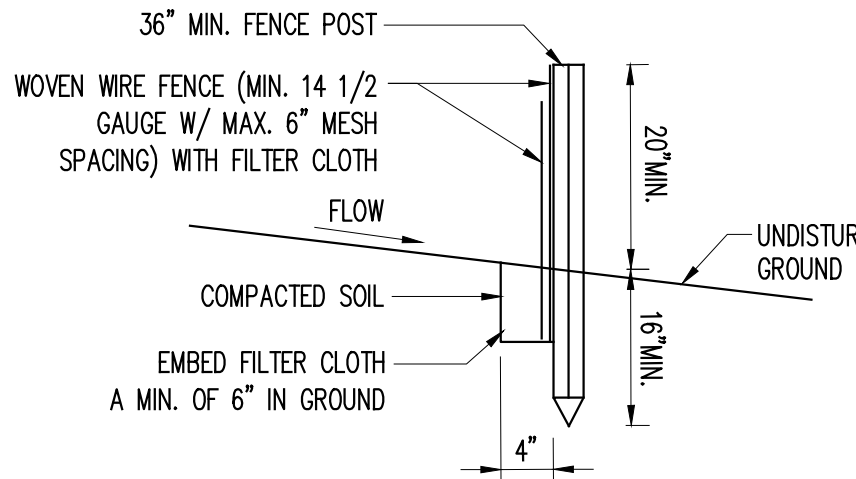


CONSTRUCTION SPECIFICATIONS

1. STONE SIZE - USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
2. LENGTH - NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY).
3. THICKNESS - NOT LESS THAN SIX (6) INCHES.
4. WIDTH - TWELVE (12) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
5. FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
6. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
7. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY, ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACTED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
8. IF WASHING IS USED, IT SHALL BE DONE ON A AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAINFALL EVENT.



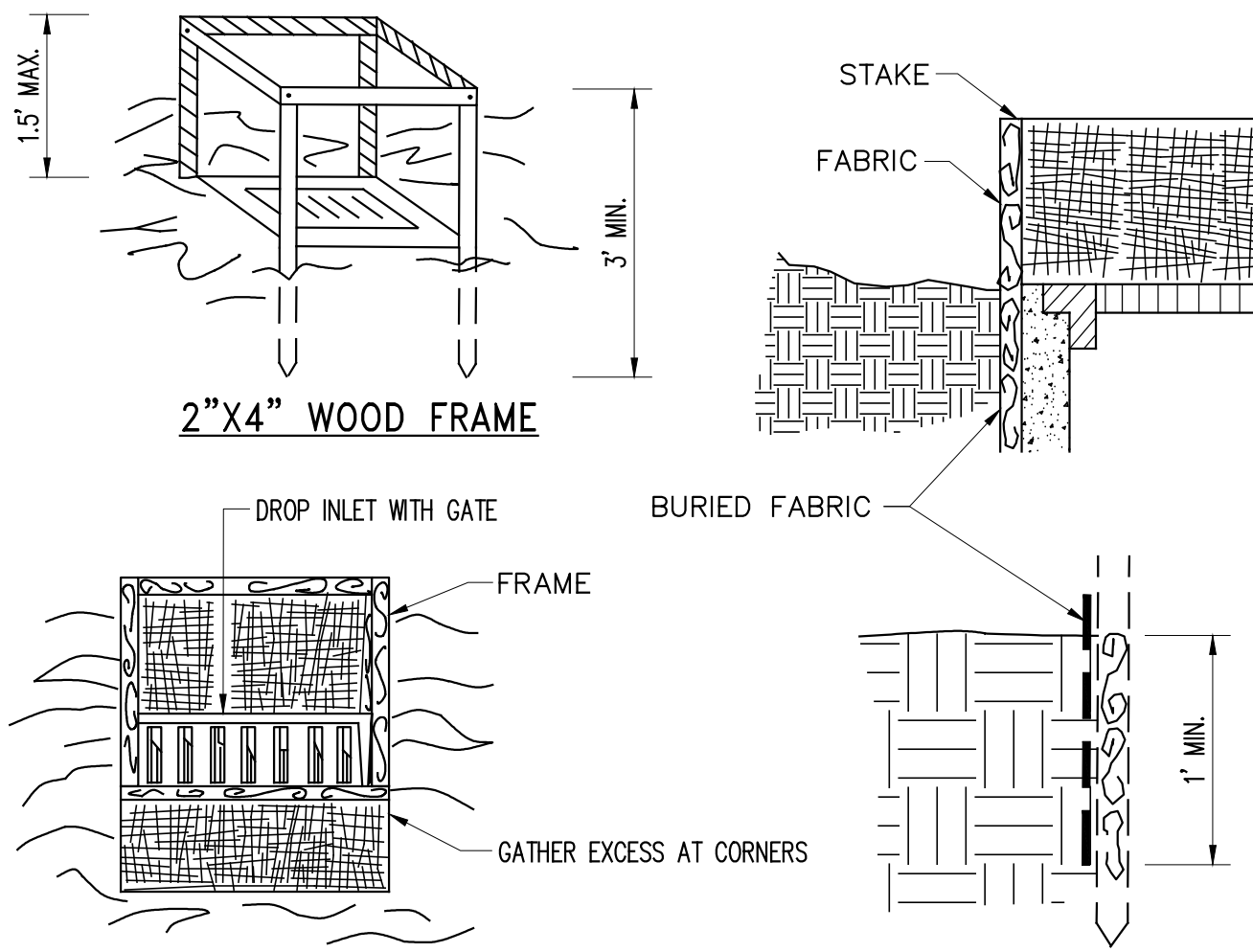
PERSPECTIVE VIEW



SECTION VIEW

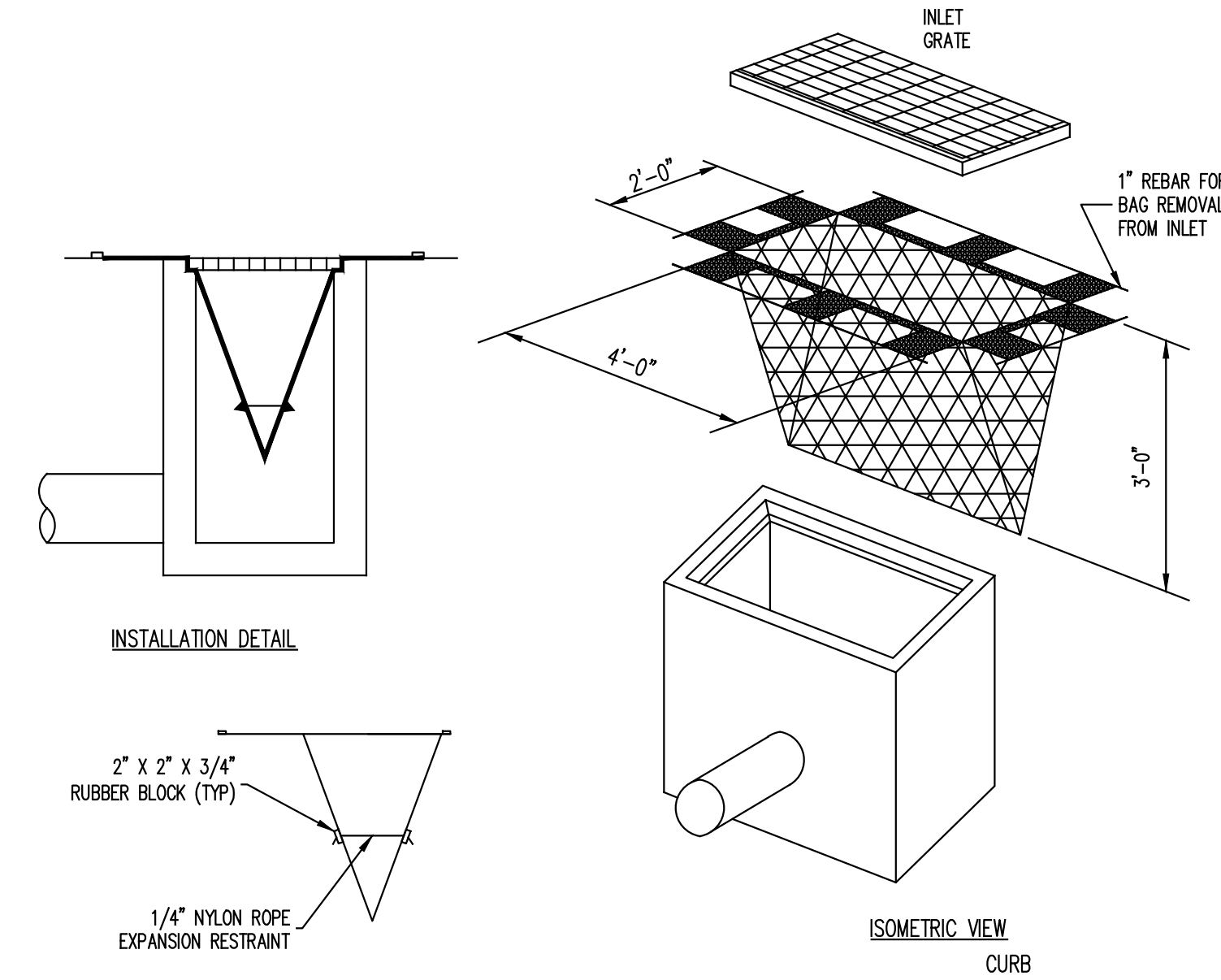
CONSTRUCTION SPECIFICATIONS

1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL EITHER "T" OR "U" TYPE OR HARDWOOD.
2. FILTER CLOTH TO BE TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. FENCE SHALL BE WOVEN WIRE, 12 1/2 GAUGE, 6" MAXIMUM MESH OPENING.
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVER-LAPPED BY SIX INCHES AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFI 100X, STABILINKA T140N, OR APPROVED EQUIVALENT.
4. PREFABRICATED UNITS SHALL BE GEOFAB, ENVIROFENCE, OR APPROVED EQUIVALENT.
5. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.



CONSTRUCTION SPECIFICATIONS

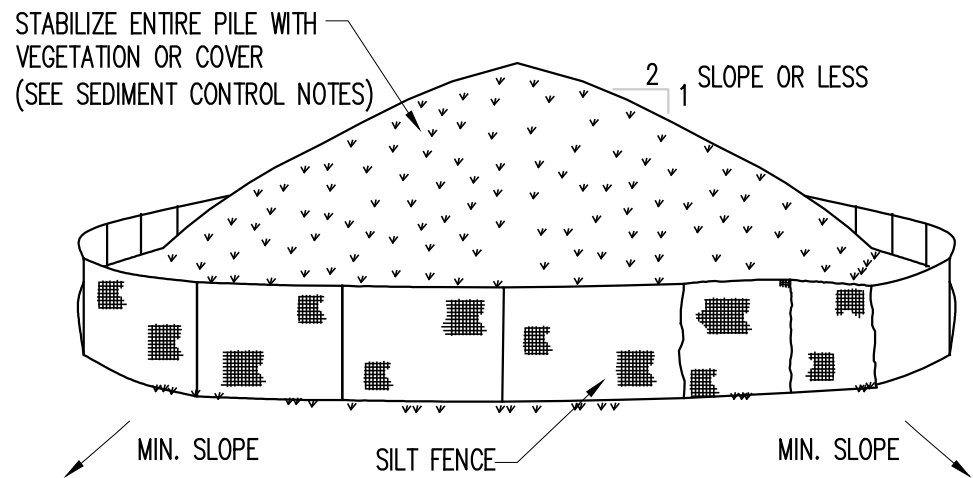
1. FILTER FABRIC SHALL HAVE AN EOS OF 40-85. BURLAP MAY BE USED FOR SHORT TERM APPLICATIONS.
2. CUT FABRIC FROM A CONTINUOUS ROLL TO ELIMINATE JOINTS. IF JOINTS ARE NEEDED THEY WILL BE OVERLAPPED TO THE NEXT STAKE.
3. STAKE MATERIALS WILL BE STANDARD 2" x 4" WOOD OR EQUIVALENT. METAL WITH A MINIMUM LENGTH OF 3 FEET.
4. SPACE STAKES EVENLY AROUND INLET 3 FEET APART AND DRIVE A MINIMUM 18 INCHES DEEP. SPANS GREATER THAN 3 FEET MAY BE BRIDGED WITH THE USE OF WIRE MESH BEHIND THE FILTER FABRIC FOR SUPPORT.
5. FABRIC SHALL BE EMBEDDED 1 FOOT MINIMUM BELOW GROUND AND BACKFILLED. IT SHALL BE SECURELY FASTENED TO THE STAKES AND FRAME.
6. A 2" x 4" WOOD FRAME SHALL BE COMPLETED AROUND THE CREST OF THE FABRIC FOR OVER FLOW STABILITY. MAXIMUM DRAINAGE AREA 1 ACRE.



CONSTRUCTION SPECIFICATIONS

1. MAXIMUM DRAINAGE AREA = 1/2 ACRE.
2. INLET PROTECTION IS NOT REQUIRED FOR INLET TRIBUTARY TO SEDIMENT BASIN OR TRAP. BERMS REQUIRED FOR ALL INSTALLATIONS.

G 0.01.501 **STABILIZED CONSTRUCTION ENTRANCE** N.T.S.

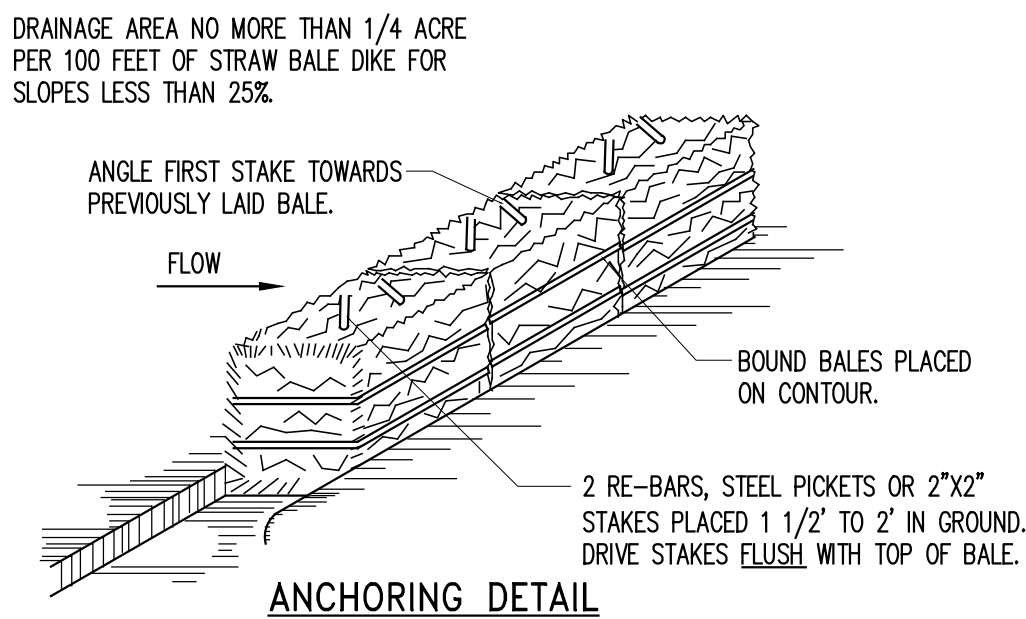
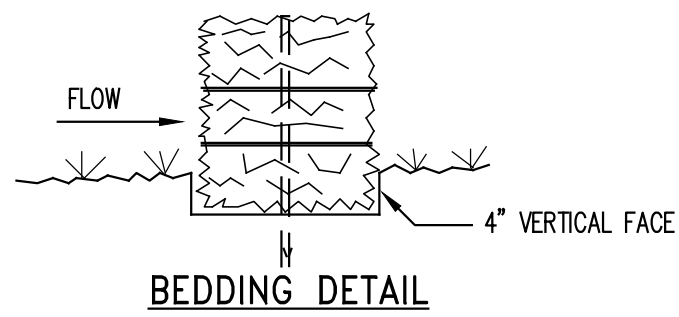


INSTALLATION NOTES

1. AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE.
2. MAXIMUM SLOPE OF STOCKPILE SHALL BE 2:1.
3. UPON COMPLETION OF SOIL STOCKPILING, EACH PILE SHALL BE SURROUNDED WITH EITHER SILT FENCING OR STRAWBALES, THEN STABILIZED WITH VEGETATION OR COVERED.
4. SEE DETAIL ON THIS DRAWING FOR INSTALLATION OF SILT FENCE.

E 0.01.501 **SOIL STOCKPILING** N.T.S.

B 0.01.501 **SILT FENCE** N.T.S.

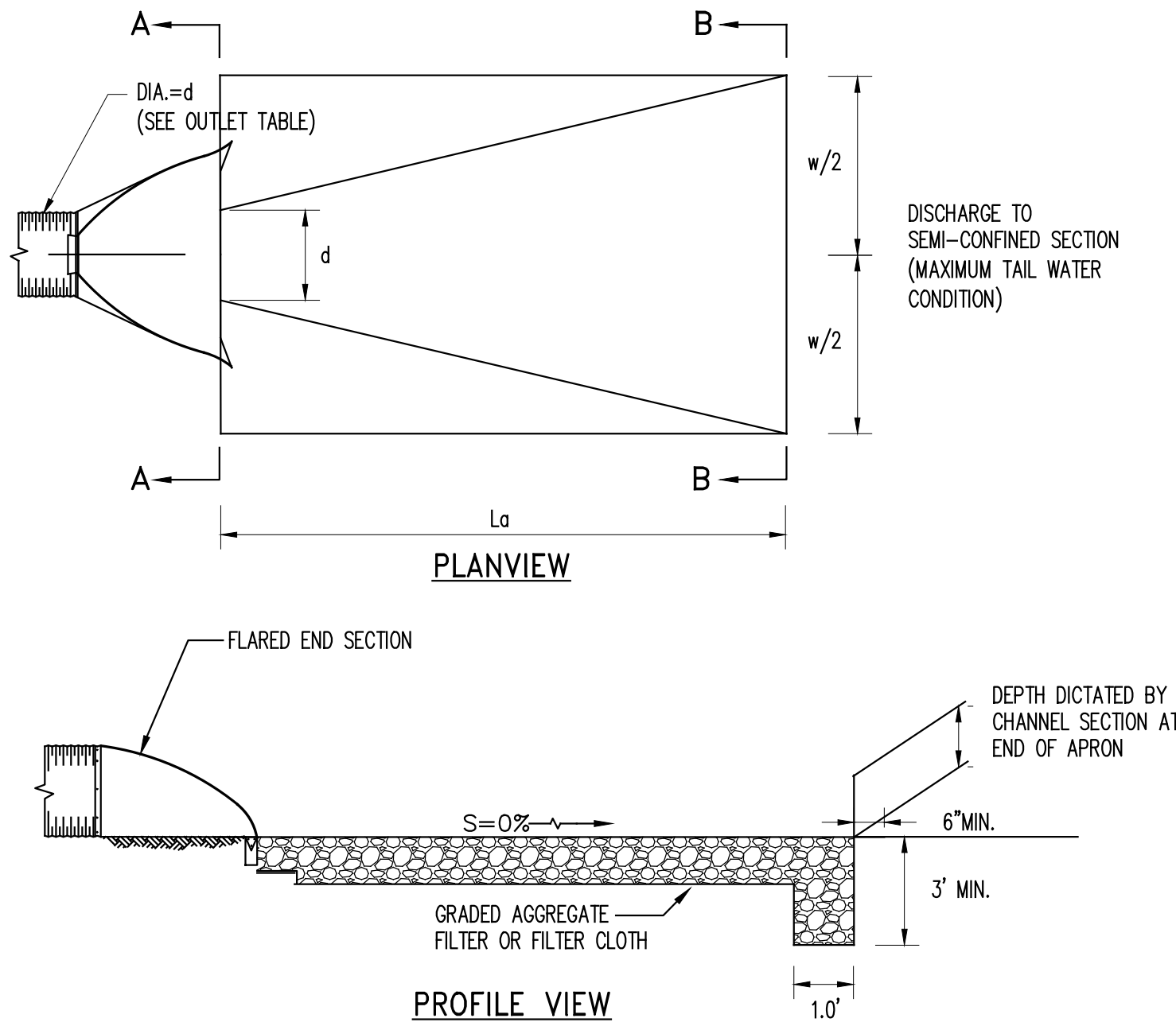


CONSTRUCTION SPECIFICATIONS

1. BALES SHALL BE PLACED AT THE TOE OF A SLOPE OR ON THE CONTOUR AND IN A ROW WITH ENDS TIGHTLY ABUTTING THE ADJACENT BALES.
2. EACH BAILE SHALL BE EMBEDDED IN THE SOIL A MINIMUM OF (4) INCHES, AND PLACED SO THE BINDINGS ARE HORIZONTAL.
3. BALES SHALL BE SECURELY ANCHORED IN PLACE BY EITHER TWO STAKES OR RE-BARS DRIVEN THROUGH THE BAILE. THE FIRST STAKE IN EACH BAILE SHALL BE DRIVEN TOWARD THE PREVIOUSLY LAID BAILE AT AN ANGLE TO FORCE THE BALES TOGETHER. STAKES SHALL BE DRIVEN FLUSH WITH THE BAILE.
4. INSPECTION SHALL BE FREQUENT AND REPAIR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
5. BALES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFULNESS SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.

E 0.01.501 **STRAW BAILE DIKE** N.T.S.

C 0.01.501 **FILTER FABRIC DROP INLET PROTECTION** N.T.S.

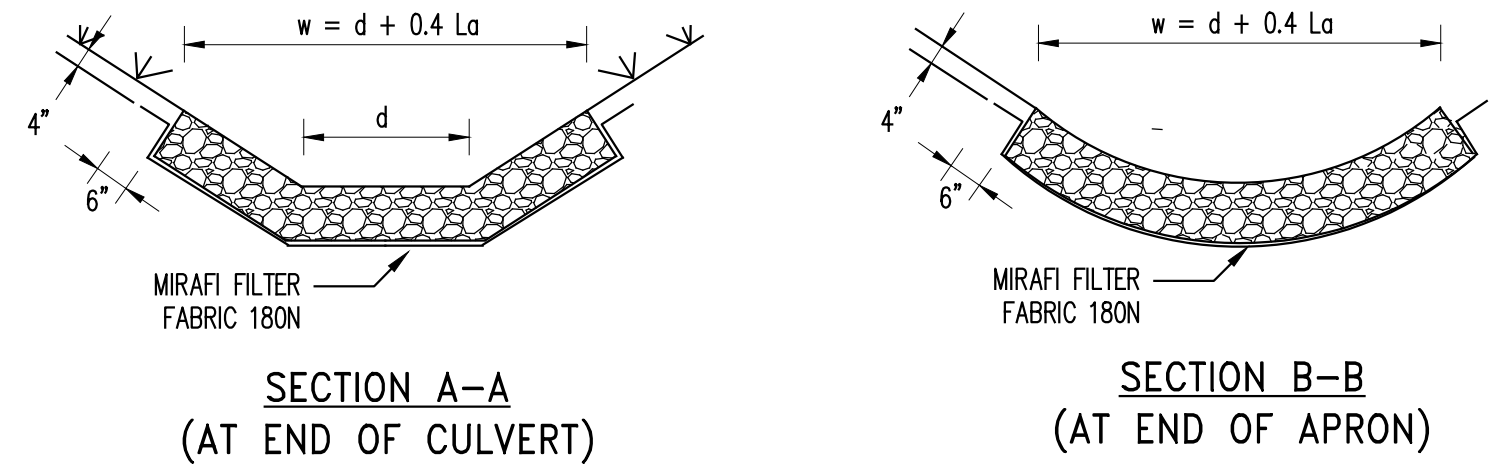


PROFILE VIEW

A 0.01.501

D 0.01.501 **SILT SACK DETAIL (INLET PROTECTION)** N.T.S.

	Width (ft)	Depth (ft)	d50 (in)	Slope
Swale I	1	2	3	2:1
Swale A	1	1.5	3	2:1
Swale J	1	1.5	3	2:1
Swale H	1	1	3	2:1



A 0.01.501 **RIPRAP OUTLET PROTECTION** N.T.S.

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OLA Consulting Engineers

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914.747.2800

12 East 49th Street, 11th Fl.
New York, NY 10017
646.848-4110
olacoe.com

FACILITIES CONSULTANT

Gannett Fleming

LANDSCAPE ARCHITECT

IQ

Imbiano-Quigley
Landscape Architects

31 Montross Ave., 7th Floor
White Plains, New York 10601
admin@iqlandscape.com
(914) 232-4090

PROJECT

COUNTY OF ROCKLAND
CAPITAL PROJECT NO. 1307
HIGHWAY DEPARTMENT /
EMERGENCY OPERATIONS FACILITY
COUNTY OF ROCKLAND, NEW YORK

McLaren ENGINEERING GROUP

M. G. McLaren Engineering
and Land Surveying P.C.

530 Chestnut Ridge Road, Woodcliff Lake, NJ 07677
T: 201.775.8000 F: 201.746.8522 www.mgmclaren.com

SEAL

STATE OF NEW YORK
ENGINEER

SHEET NAME

DETAILS
(SHEET 1 OF 7)

No.	DATE	REVISION	BY

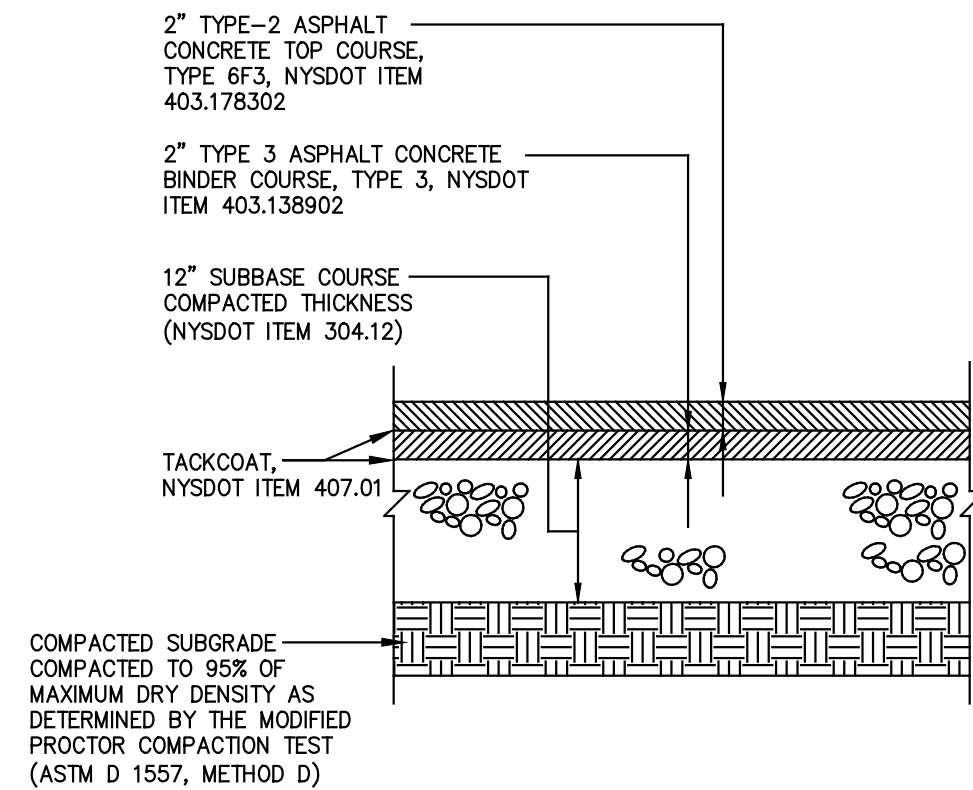
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DATE OCTOBER 30, 2019
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CHECKED BY JMS
APPROVED BY

ISSUED FOR **BID SET**

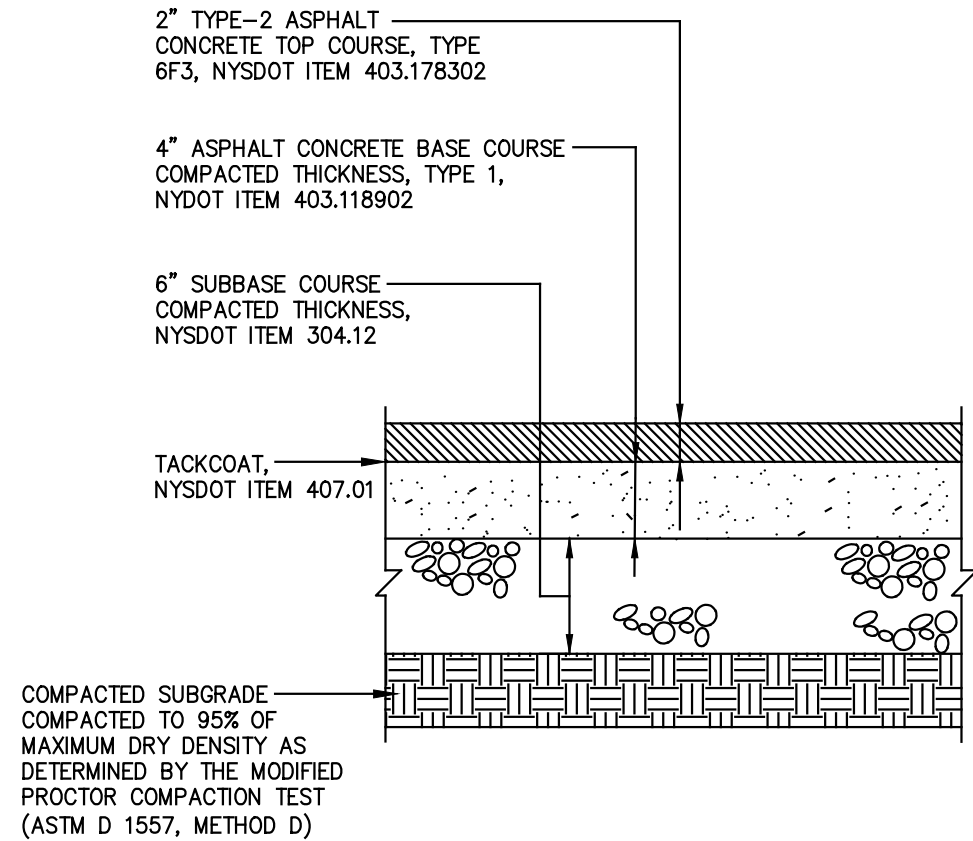
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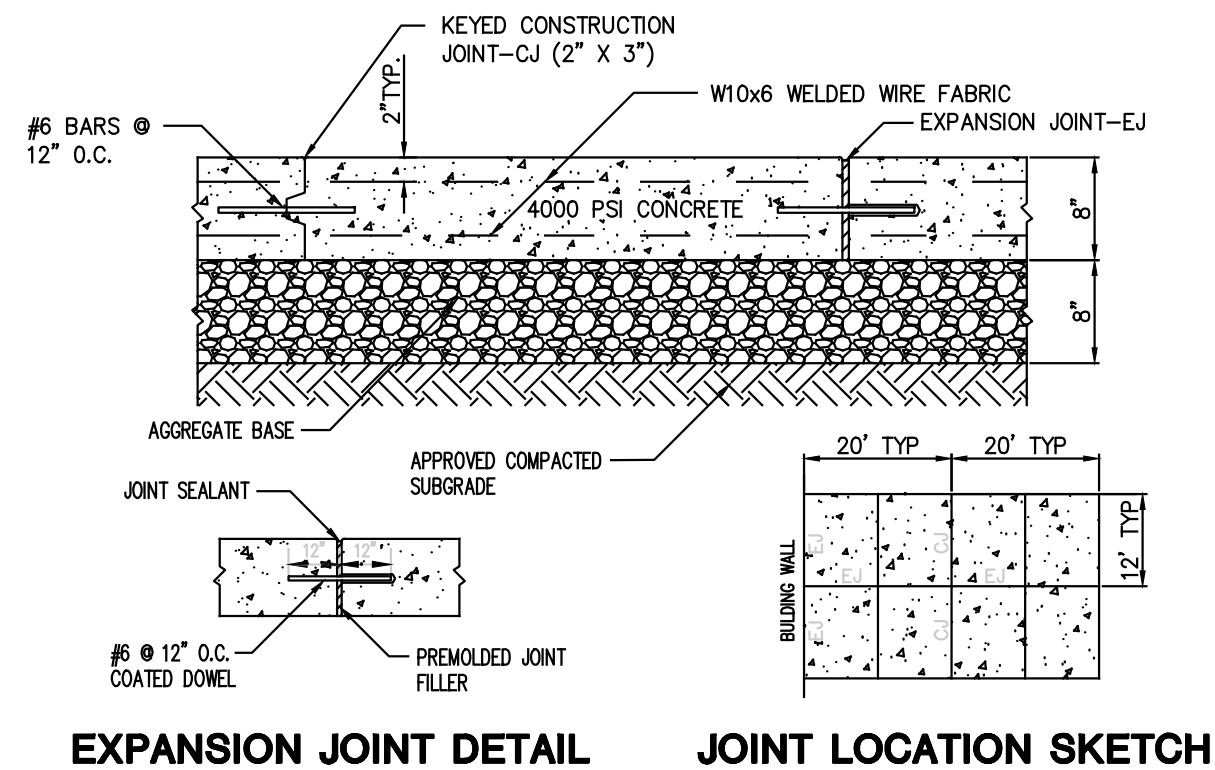
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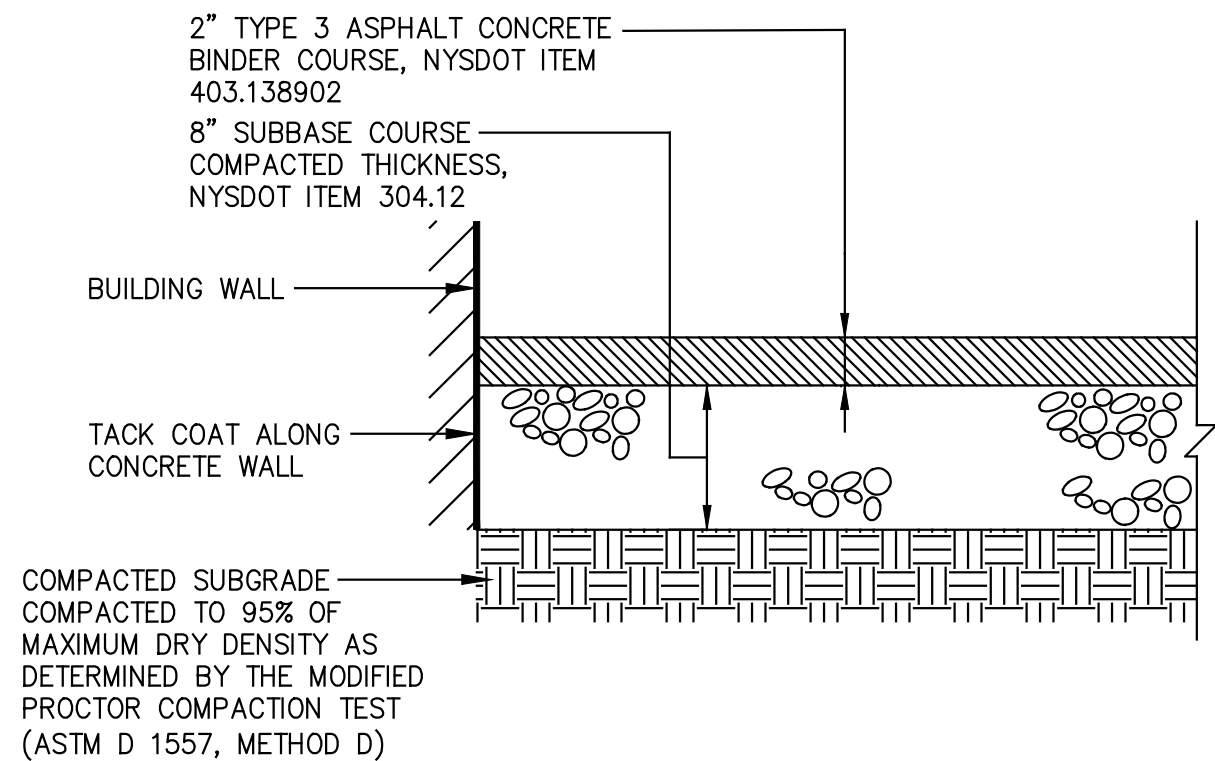
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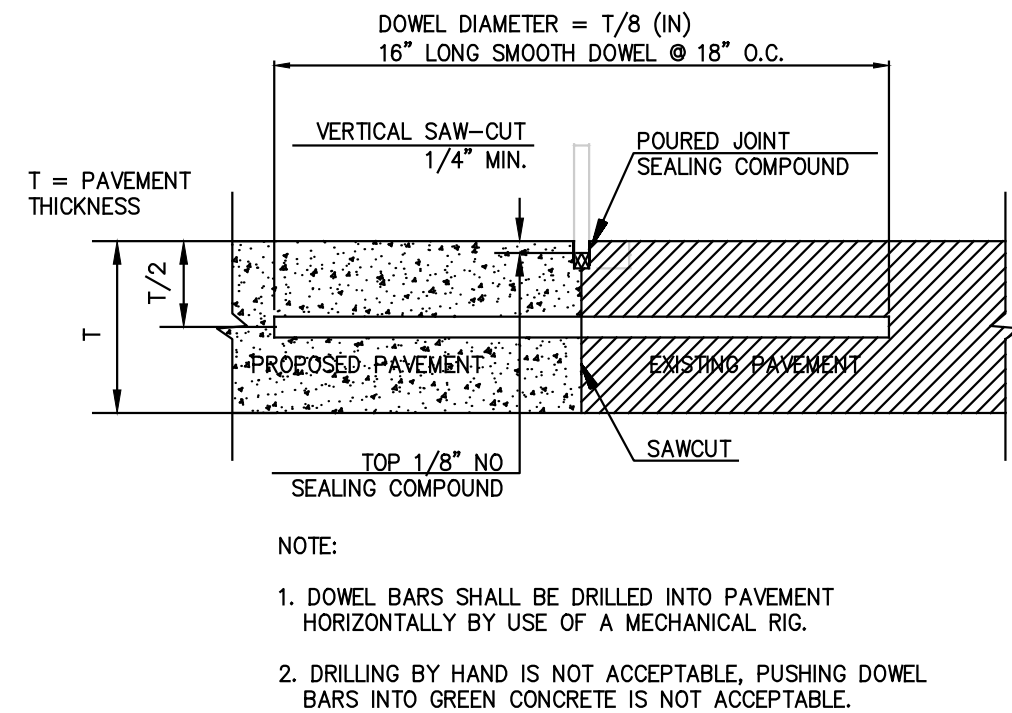
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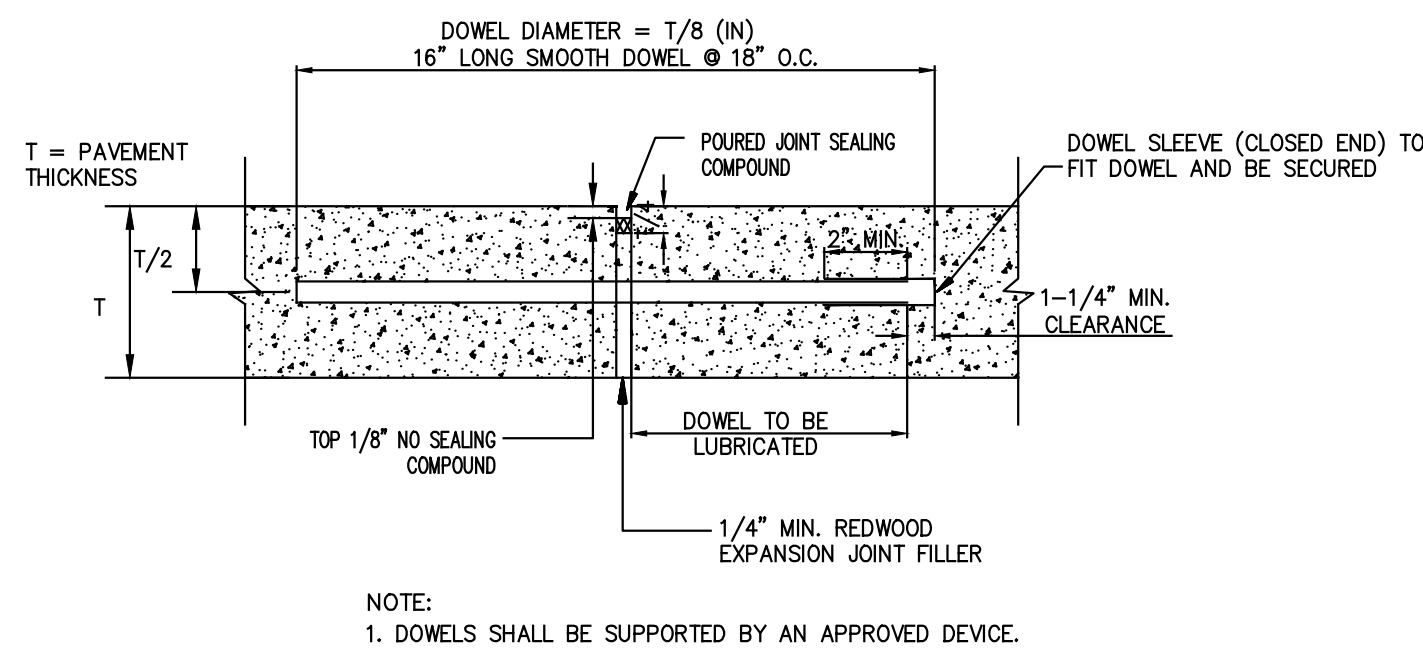
C REINFORCED CONCRETE PAD AT SALT SHED
0.01.502 N.T.S.



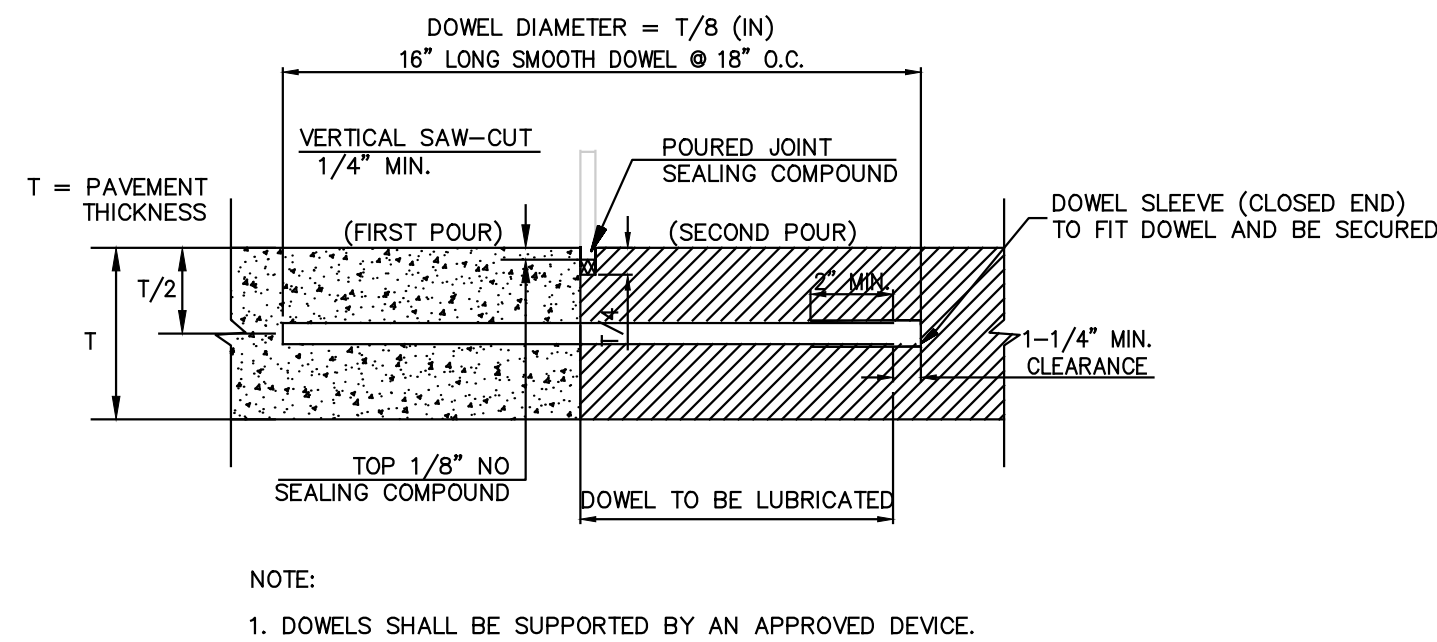
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0.01.502 N.T.S.



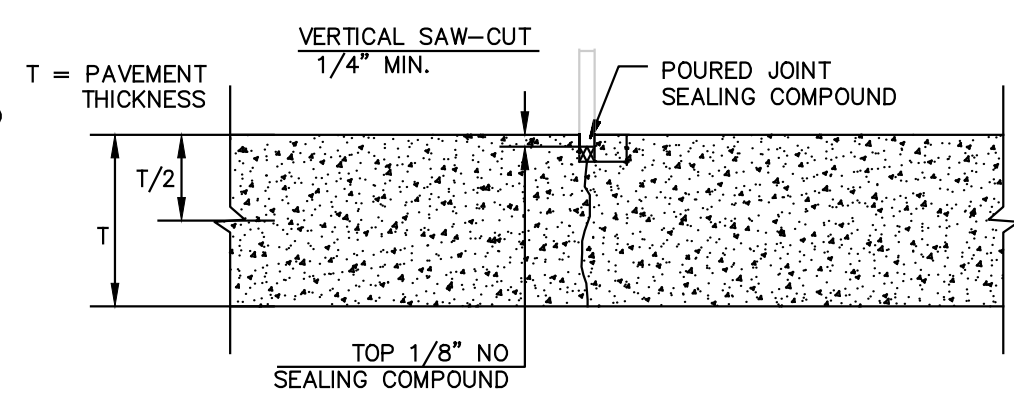
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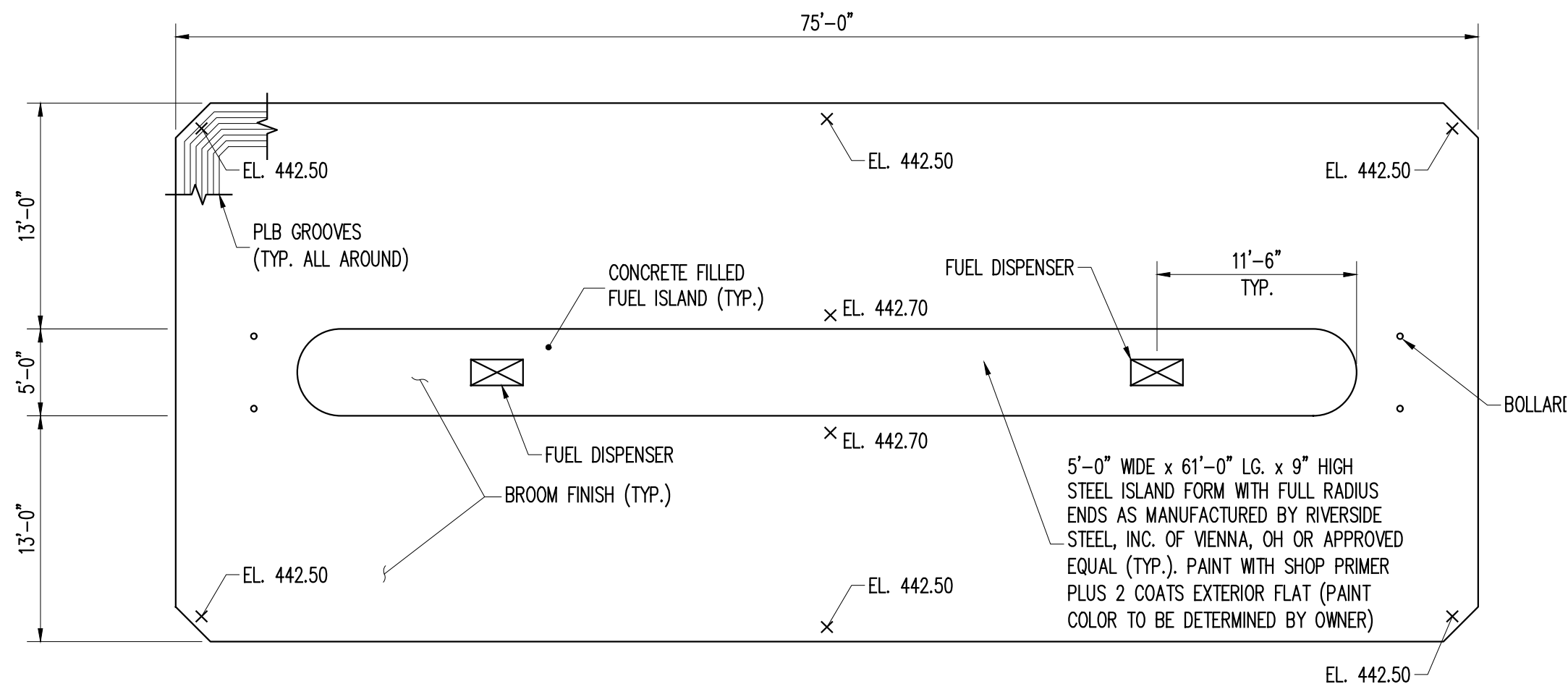
TRANSVERSE EXPANSION JOINT



CONSTRUCTION JOINT



CONTRACTION JOINT

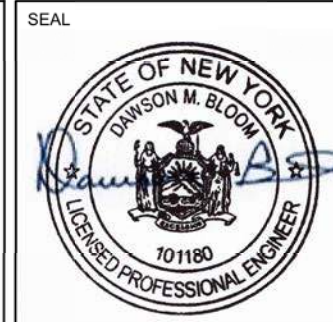
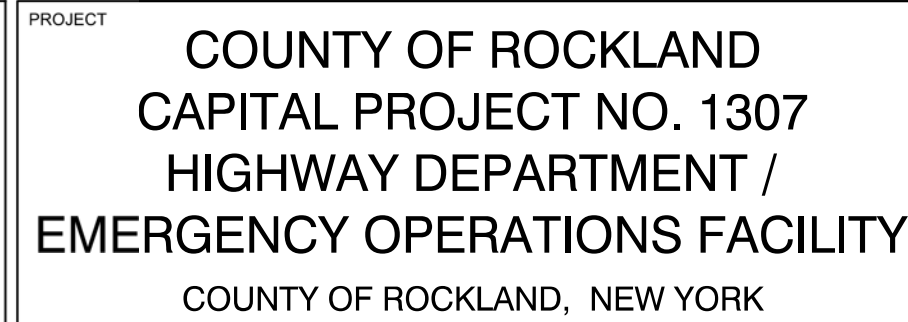


- NOTES:
1. THE CONTRACTOR SHALL PROVIDE ALL LABOR, EQUIPMENT AND MATERIAL NECESSARY TO FURNISH, INSTALL, TEST AND PLACE IN SATISFACTORY OPERATION, INCLUDING ALL MOUNTING HARDWARE, PAD AND ISLAND PIPING, CONTROLS AND MISCELLANEOUS ACCESSORIES IN PLACE AS SHOWN AND SPECIFIED IN THE CONTRACT DOCUMENTS, AND APPROVED BY THE ENGINEER.
 2. ALL JOINTS TO BE PROVIDED WITH CHEMICAL RESISTANT WATER STOP, EARTH SHIELD TPV (PART NO JP43L) AS MANUFACTURED BY JP SPECIALTIES, LAKE ELSINORE, CA OR APPROVED EQUAL.

F FUEL STATION PAD DETAIL
0.01.502 N.T.S.

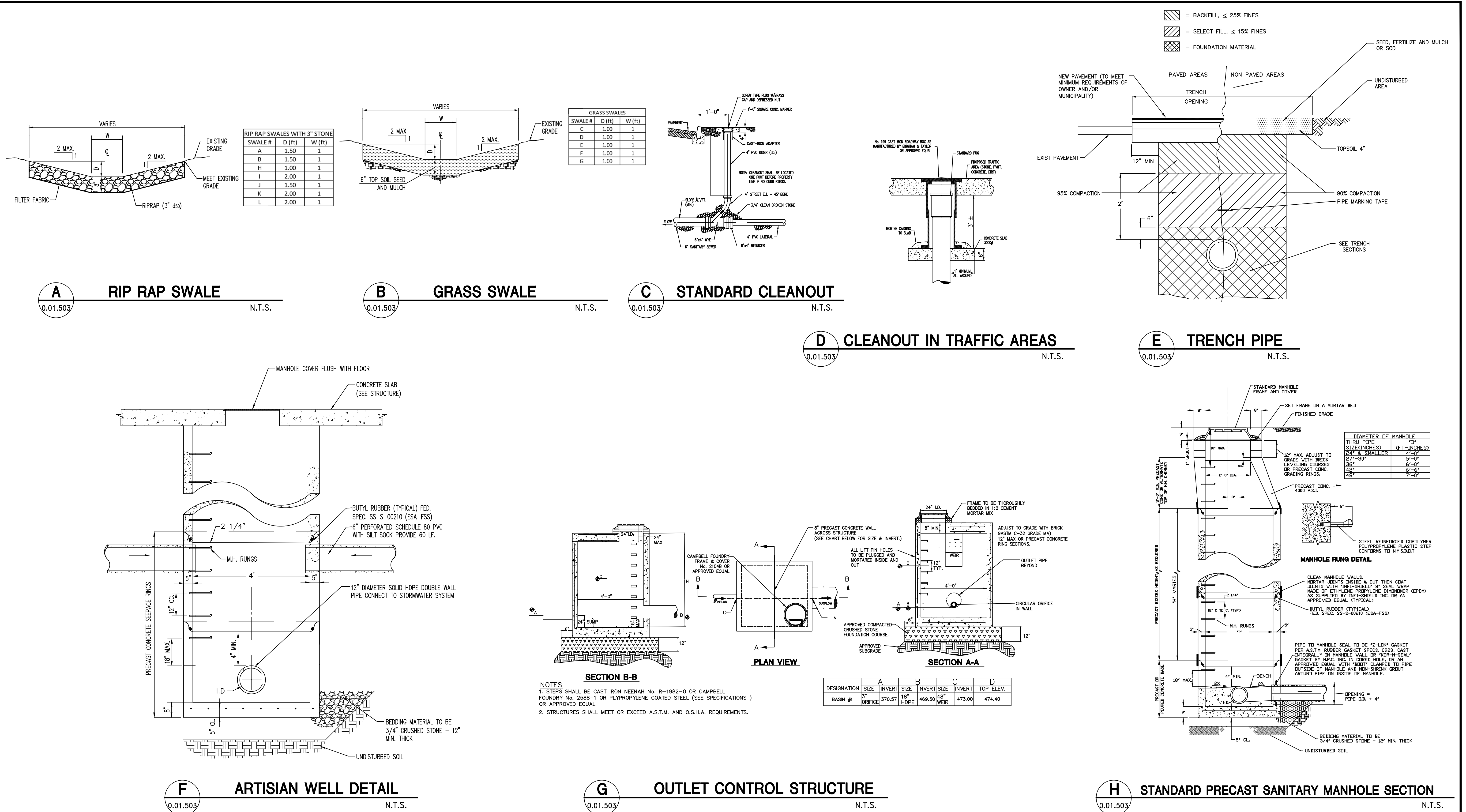
E CONCRETE JOINT DETAILS
0.01.502 N.T.S.

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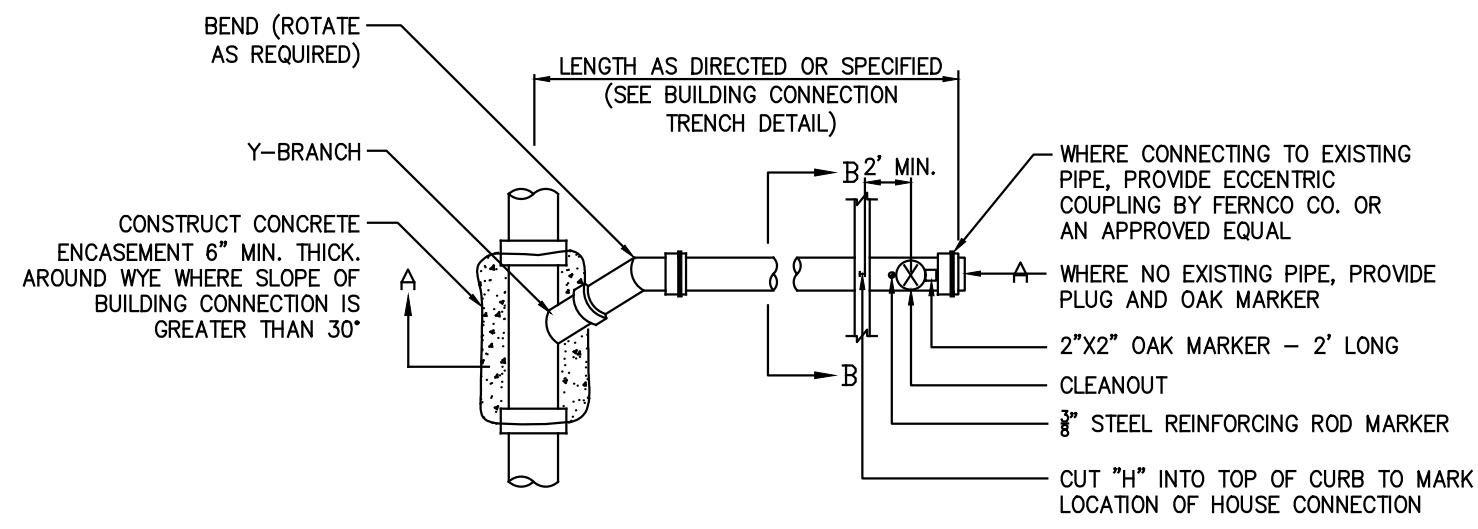
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APPROVED BY			
NO.	DATE	REVISION	BY

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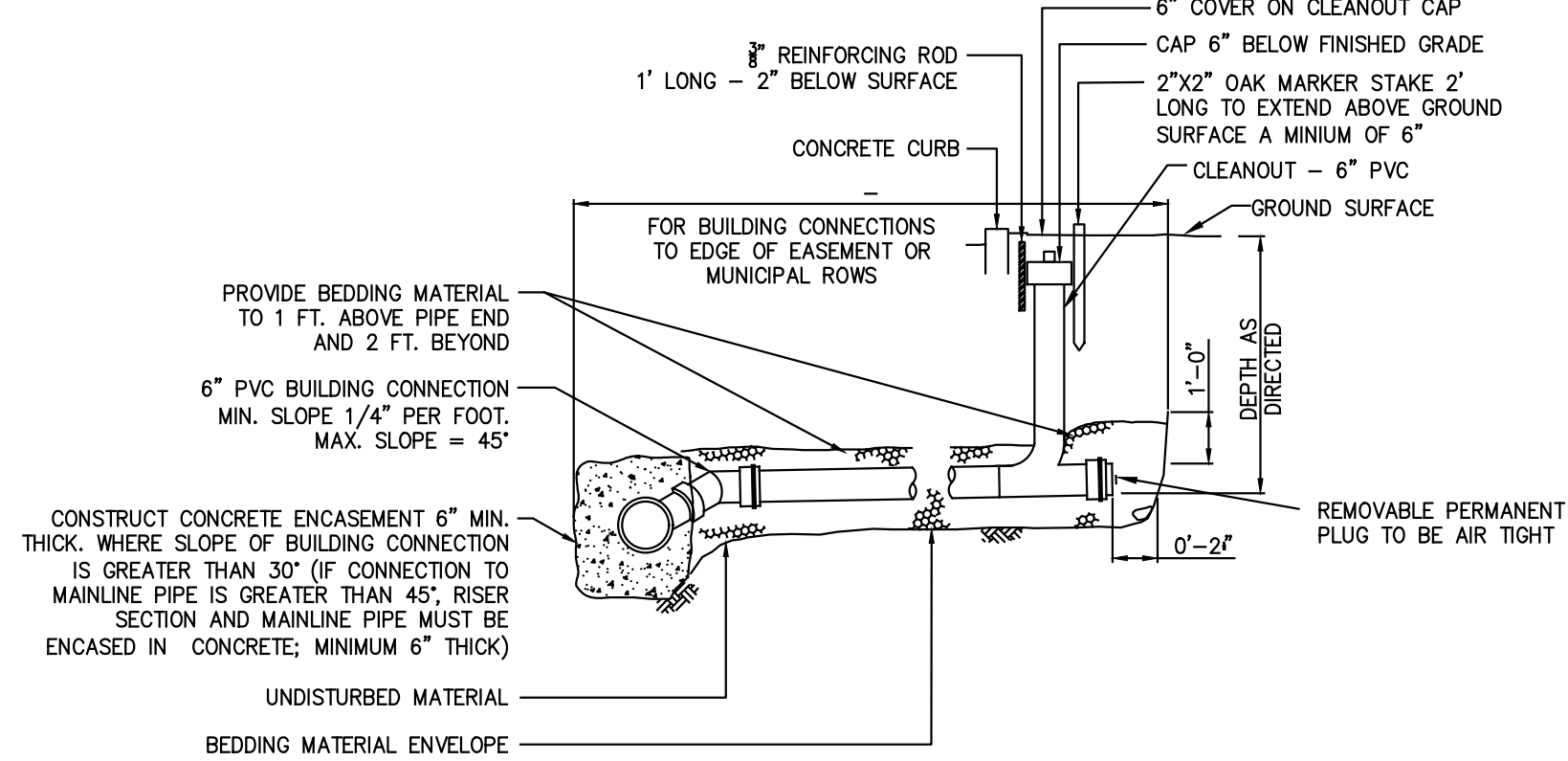
<p>CONSULTANTS ARCHITECT</p> <p>STV 100 Years</p> <p>STV Architects, P.C. 225 Park Avenue South New York, NY 10003 (212) 777-4400 FAX: (212) 473-2780 www.stvinc.com</p>	<p>MEP ENGINEER</p> <p>OLA Consulting Engineers</p> <p>60 Broadway, Hawthorne, New York 10522 914.747.2800</p> <p>12 East 49th Street, 11th Fl. New York, NY 10017 646.848-4110 olac.com</p>	<p>FACILITIES CONSULTANT</p> <p>Gannett Fleming</p>	<p>LANDSCAPE ARCHITECT</p> <p>IQ</p> <p>Imbiano-Quigley Landscape Architects</p> <p>31 Munroe Ave., 7th Floor White Plains, New York 10601 admin@iqlandscape.com (914) 252-4090</p>	<p>PROJECT</p> <p>COUNTY OF ROCKLAND CAPITAL PROJECT NO. 1307 HIGHWAY DEPARTMENT / EMERGENCY OPERATIONS FACILITY COUNTY OF ROCKLAND, NEW YORK</p>	<p>McLaren ENGINEERING GROUP</p> <p>M. G. McLaren Engineering and Land Surveying P.C.</p> <p>530 Chestnut Ridge Road, Woodcliff Lake, NJ 07677 T: 201.775.8000 F: 201.746.8522 www.mgmclaren.com</p>	<p>SEAL</p> <p>STATE OF NEW YORK</p> <p>101180</p> <p>REGISTERED PROFESSIONAL ENGINEER</p>	<p>SHEET NAME</p> <p>DETAIL (SHEET 3 OF 7)</p>	<table><tr><td>No.</td><td>DATE</td><td>REVISION</td><td>BY</td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr></table>	No.	DATE	REVISION	BY																	<p>PROJECT NO. 130439</p> <p>SCALE AS NOTED</p> <p>DATE OCTOBER 30, 2019</p> <p>DRAWN BY ORR</p> <p>CHECKED BY JMS</p> <p>APPROVED BY</p>	<p>ISSUED FOR BID SET</p> <p>DRAWING NO. 0.01.503</p> <p>24 OF 377 SHTS</p>
No.	DATE	REVISION	BY																											



BUILDING CONNECTION PLAN

UTILITY OR FORCE MAIN

— MIN OF 12" COMPACTED CLEAN SAND OR 3/4" CRUSHED STONE BETWEEN PIPES AS REQUIRED BY OWNER OF TOP PIPE.

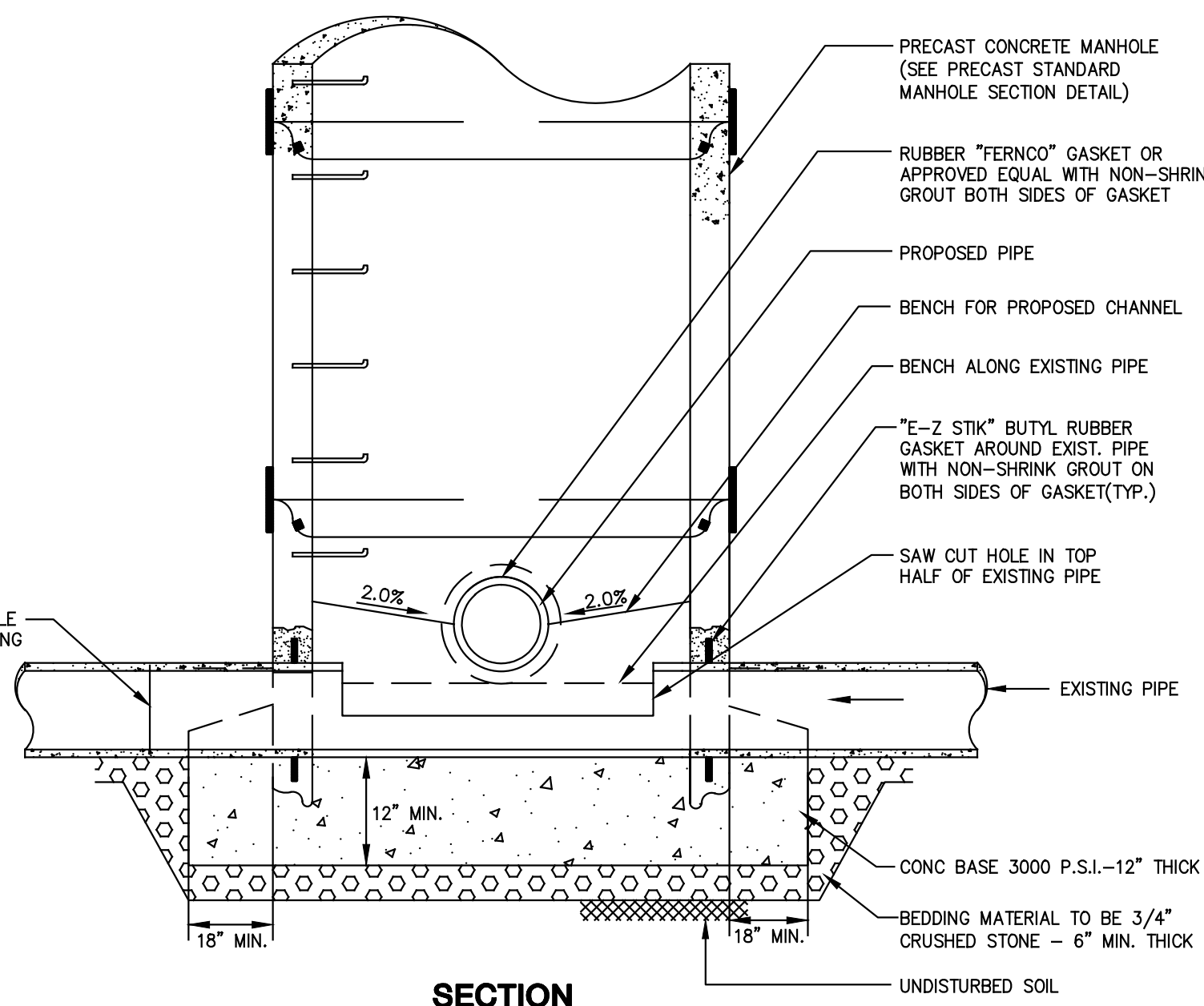


SECTION A-A
BUILDING CONNECTION ELEVATION

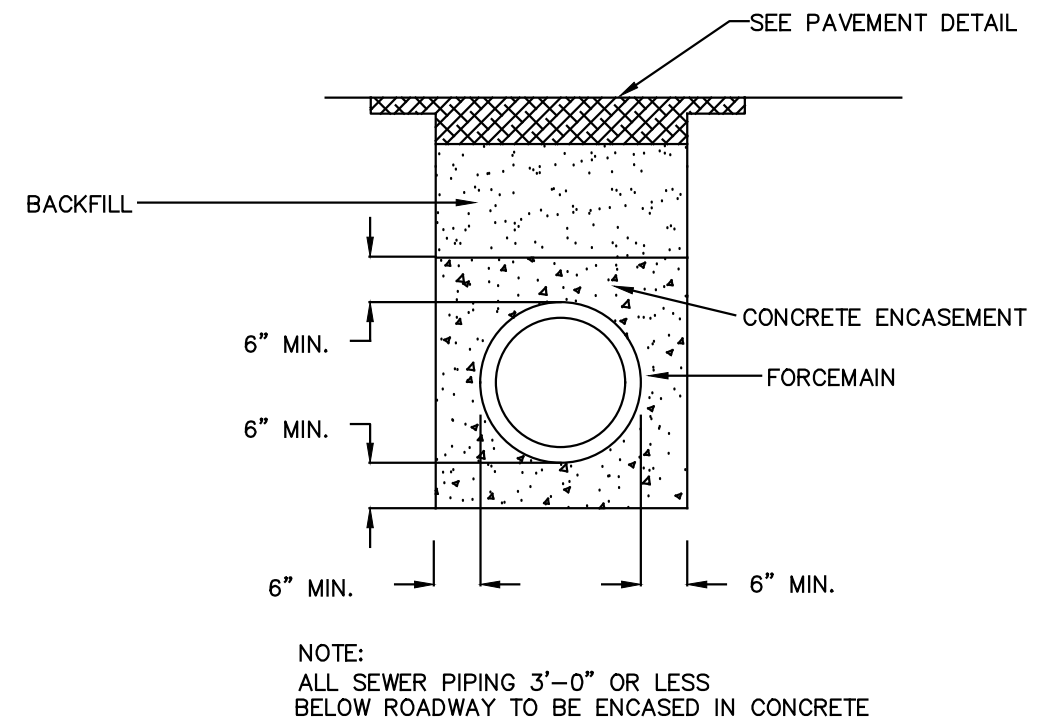
BUILDING SEWER CONNECTION DETAIL

N.T.S.

N.T.S.



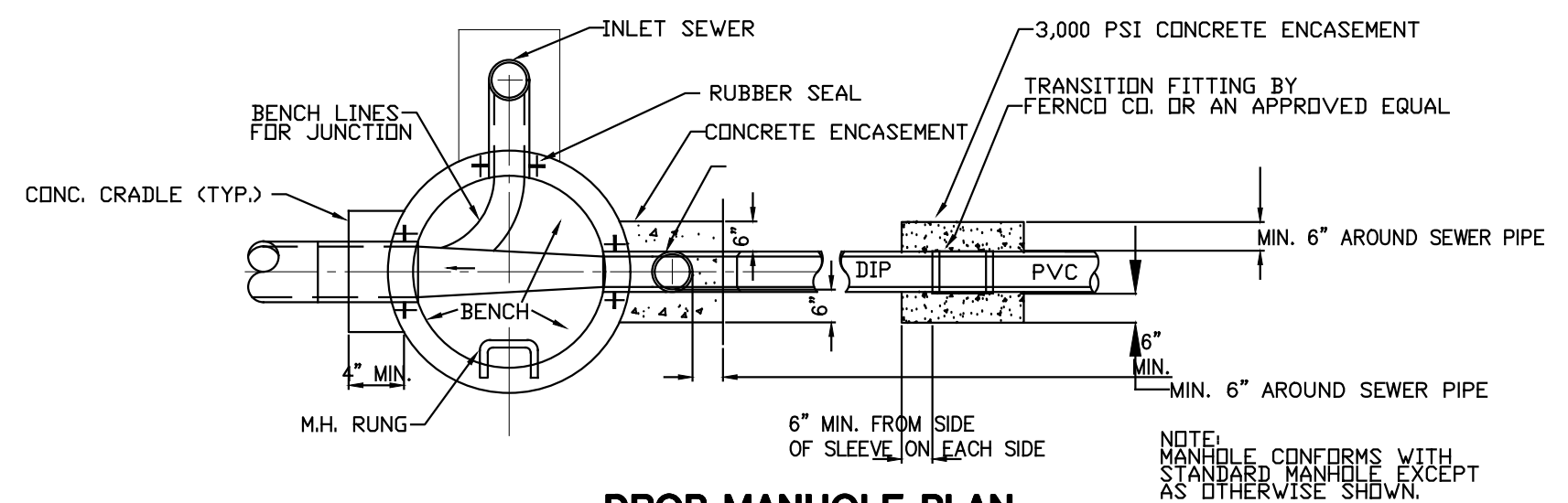
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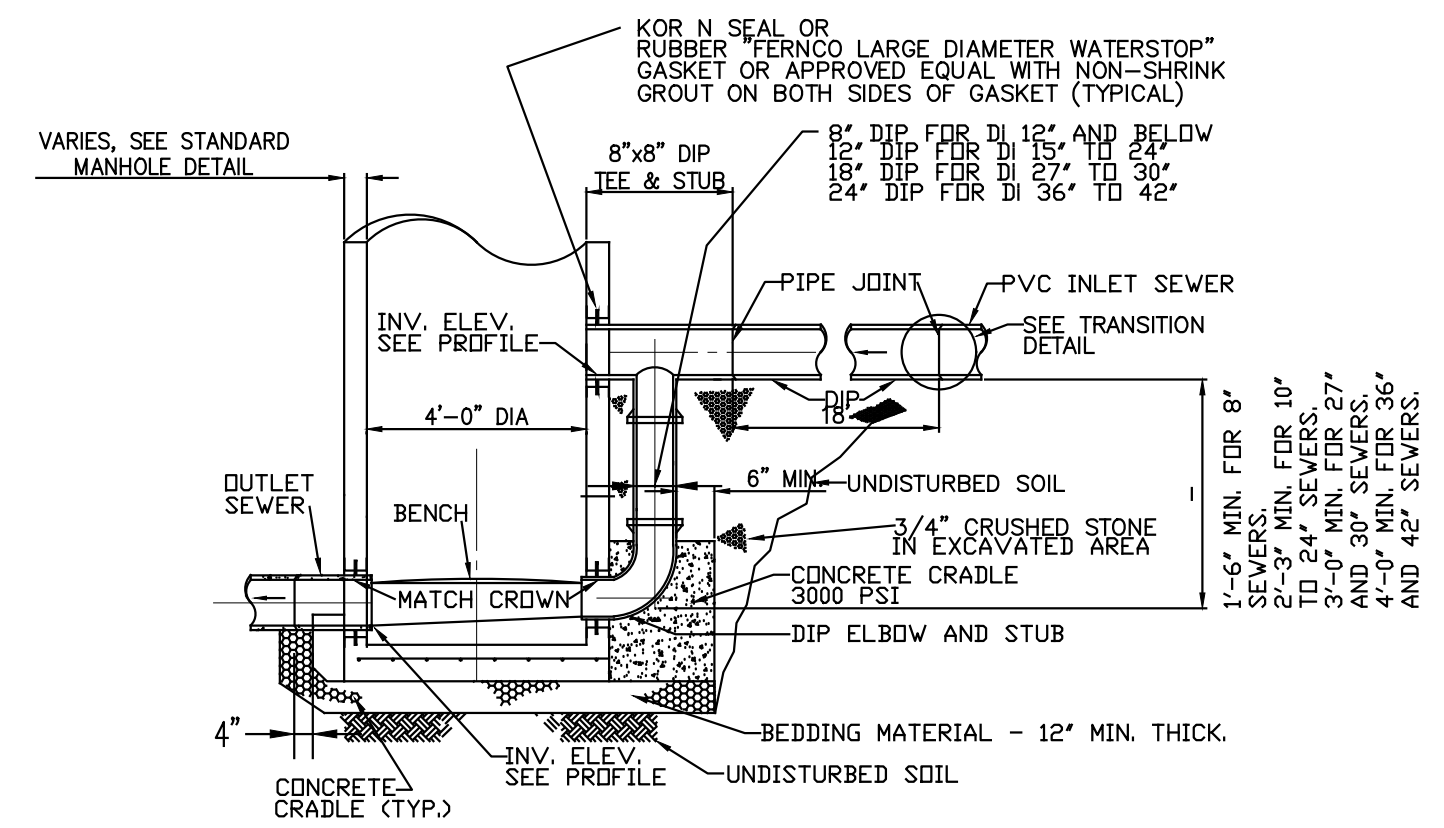
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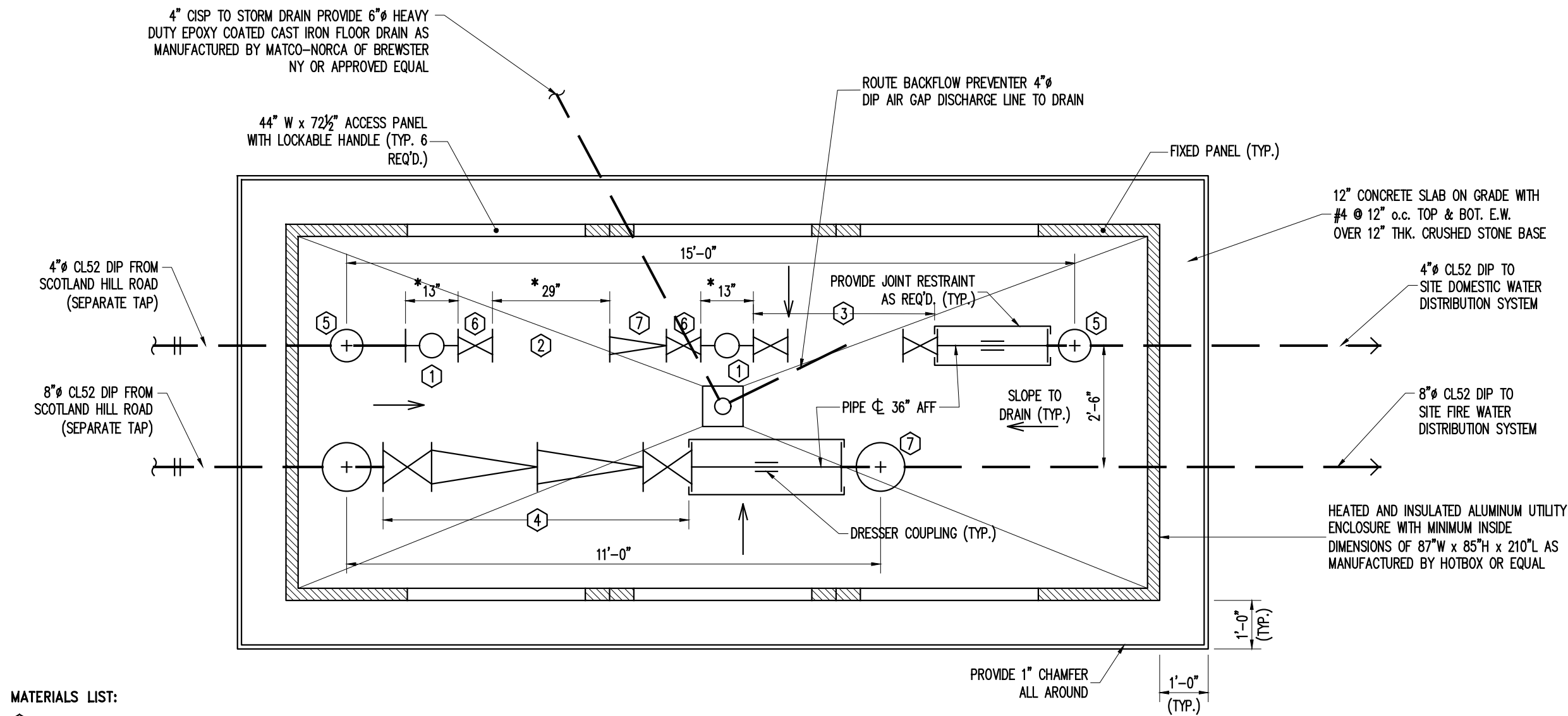
TRANSITION DETAIL

DROP MANHOLE PLAN



N.T.S.

FILE NAME: P:\Proj\130\130439\10_Dwg\CAD\01.502.dwg PLOT TIME: Mon, 28 Oct 2019 - 11:05am BY: J.Speer

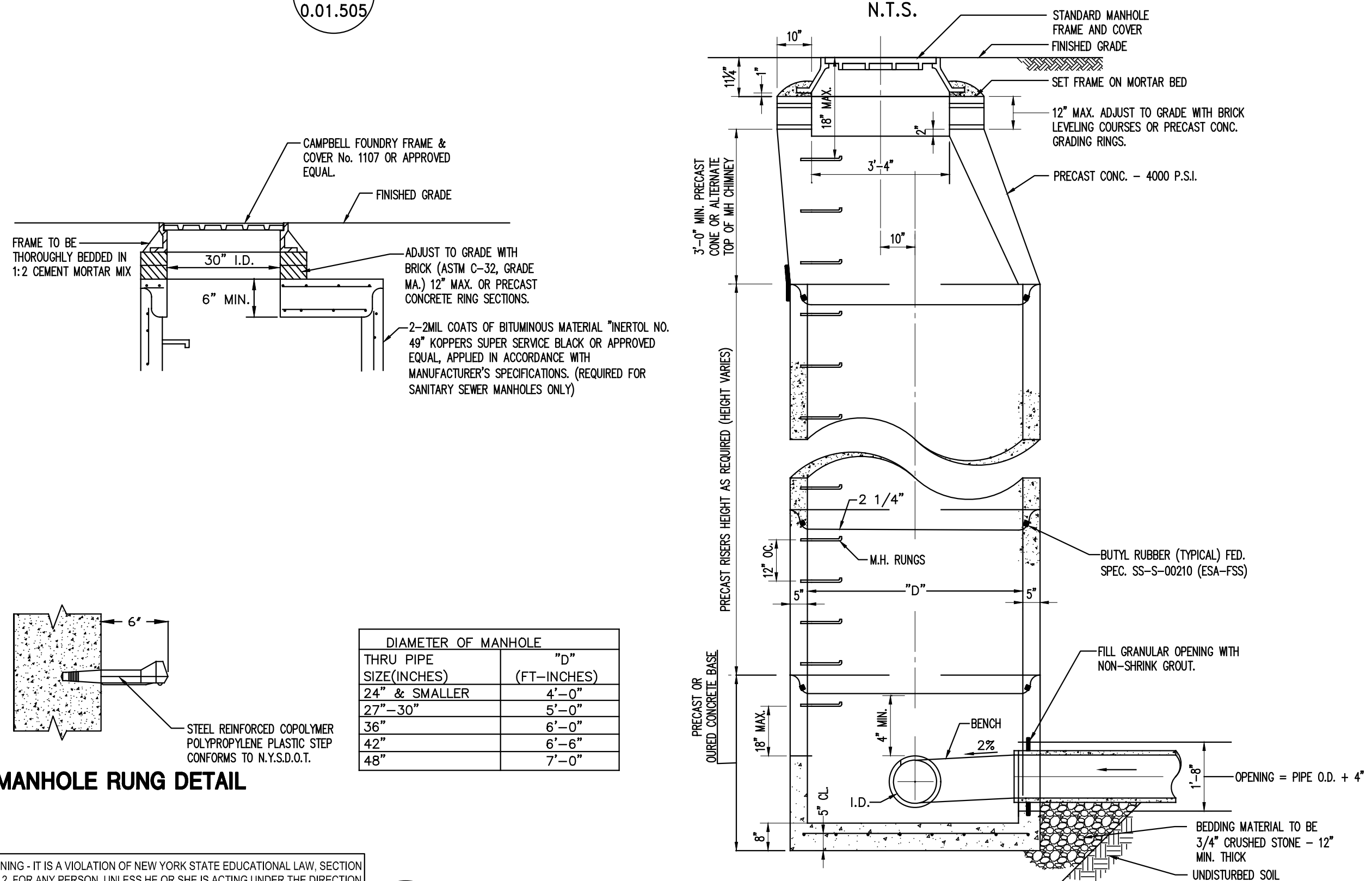


- MATERIALS LIST:**
- ① 4" METER BYPASS TEE (PROVIDED BY UNITED WATER)
 - ② 4" WATER METER (PROVIDED BY UNITED WATER)
 - ③ 4" REDUCED PRESSURE ZONE (RPZ) BACKFLOW PREVENTER WATTS SERIES 909 REDUCED PRESSURE ZONE ASSEMBLY WITH UL/FM OSA&Y RESILIENT SEATED GATE VALVES AND 909AG-M AIR GAP OR APPROVED EQUAL
 - ④ 8" DOUBLE DETECTOR CHECK VALVE ASSEMBLY WITH DETECTOR METER WATTS SERIES 7090CDA DOUBLE CHECK DETECTOR ASSEMBLY WITH UL/FM OSA&Y RESILIENT SEATED GATE VALVES OR APPROVED EQUAL
 - ⑤ 4" 90° BEND, FLANGED.
 - ⑥ 4" OSA&Y GATE VALVE, FLANGED.
 - ⑦ 4" SWING CHECK VALVE, FLANGED.
 - ⑧ 6" 90° BEND, FLANGED.

- NOTES:**
1. * INDICATES DIMENSION PROVIDED BY UNITED WATER.
 2. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL THRUST RESTRAINTS AND OTHER SUPPORTS REQUIRED TO SATISFACTORILY COMPLETE THE PIPING SYSTEM AS SHOWN ON THE DRAWINGS AND SPECIFIED. ALL THRUST RESTRAINTS AND SUPPORTS SHALL BE DESIGNED AND CERTIFIED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF NEW YORK.
 3. THE CONTRACTOR SHALL VERIFY THE DIMENSIONS OF ALL FITTINGS, VALVES, DEVICES AND OTHER ACCESSORIES REQUIRED TO PROVIDE A COMPLETE, FULLY OPERATIONAL FACILITY; AND MODIFY PAD AND UTILITY ENCLOSURE DIMENSIONS AS REQUIRED.
 4. THE CONTRACTOR SHALL PROVIDE A 1" GATE VALVE AND HOSE CONNECTION AT HIGH POINT OF BOTH THE DOMESTIC SERVICE LINE AND FIRE PROTECTION LINE.
 5. ALL LABELING AND PIPE PAINTING SHALL BE THE SAME AS THE INTERNAL PIPING SCHEME.

A WATER SERVICE BOX DETAIL

0.01.505

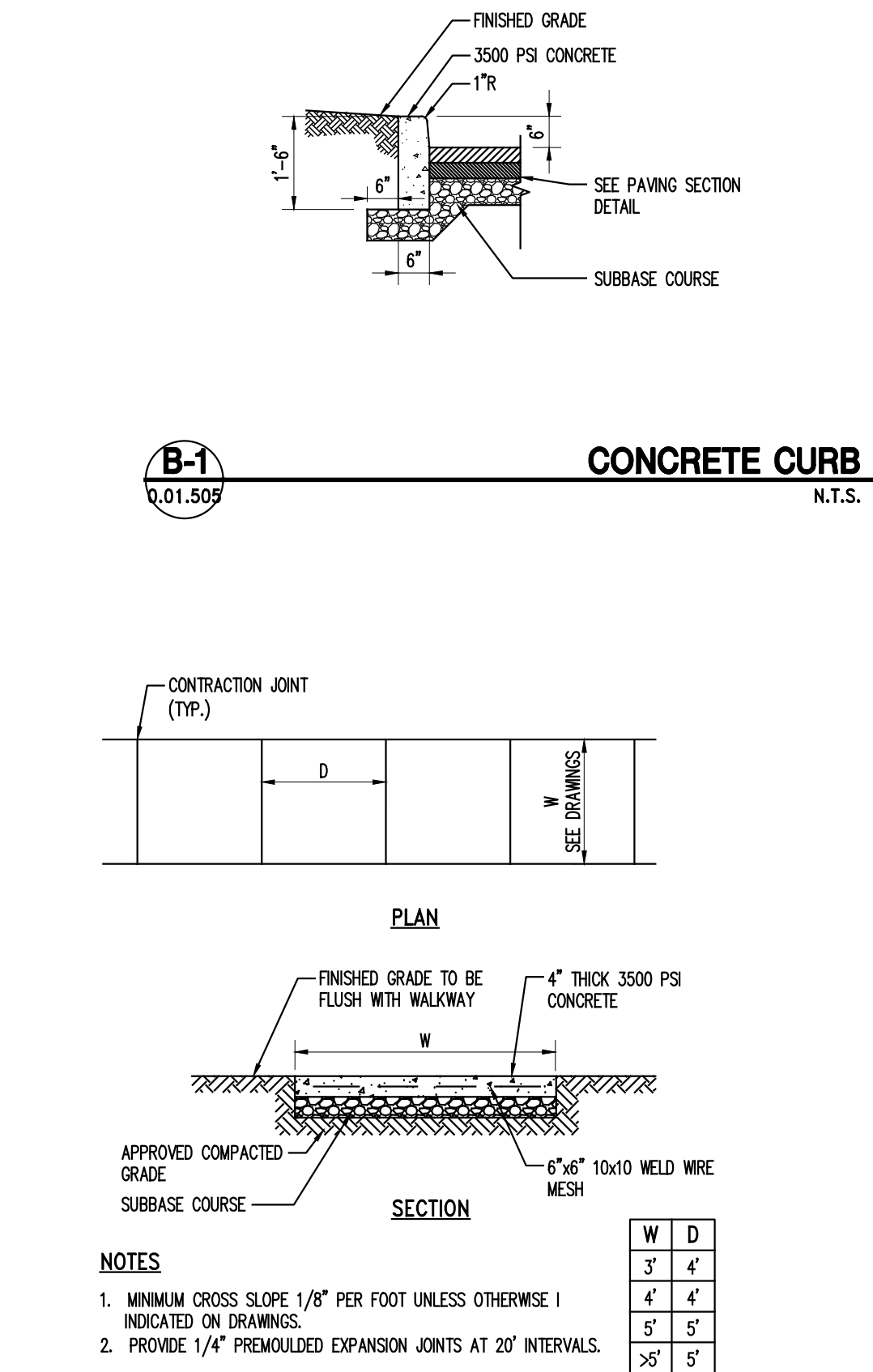


MANHOLE RUNG DETAIL

DIAMETER OF MANHOLE	
THRU PIPE SIZE (INCHES)	"D" (FT-INCHES)
24" & SMALLER	4'-0"
27"-30"	5'-0"
36"	6'-0"
42"	6'-6"
48"	7'-0"

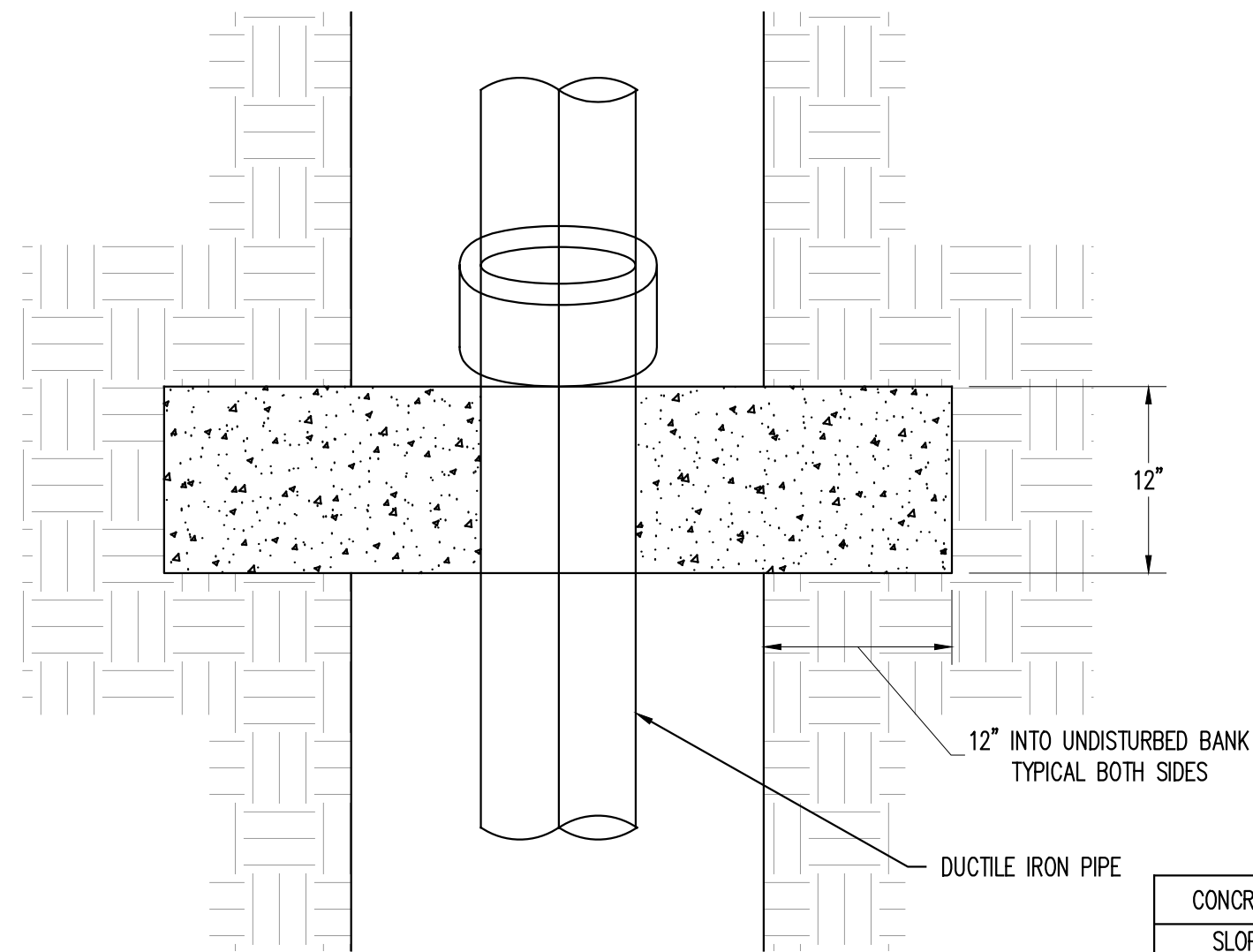
D PRECAST STORM MANHOLE

0.01.505



B-2 CONCRETE SIDEWALK

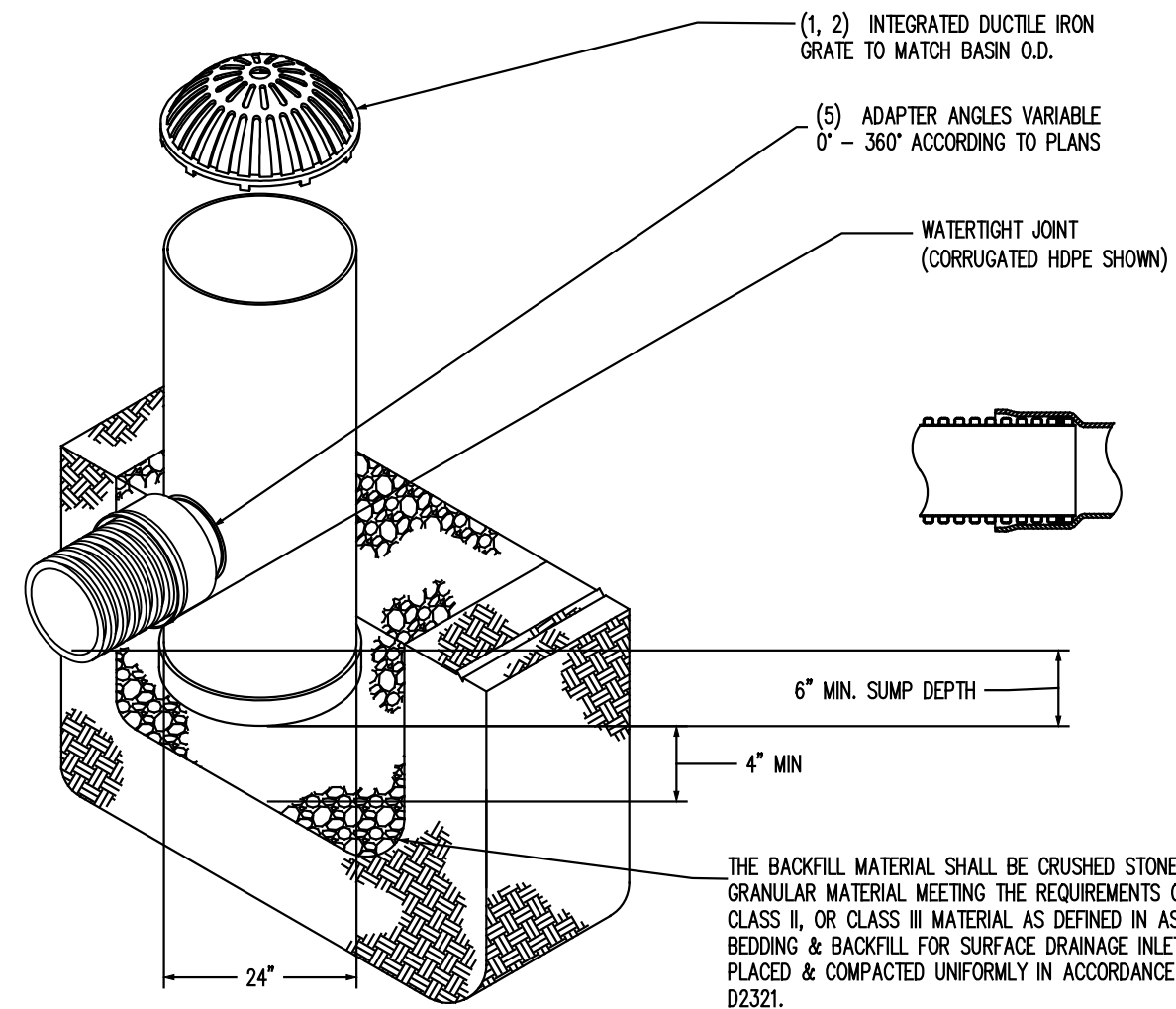
0.01.505



CONCRETE ANCHOR SPACING	
SLOPE	SPACING (LF)
18.8 TO 35%	NOT OVER 36 LF
35 TO 50%	NOT OVER 24 LF
>50%	NOT OVER 16 LF

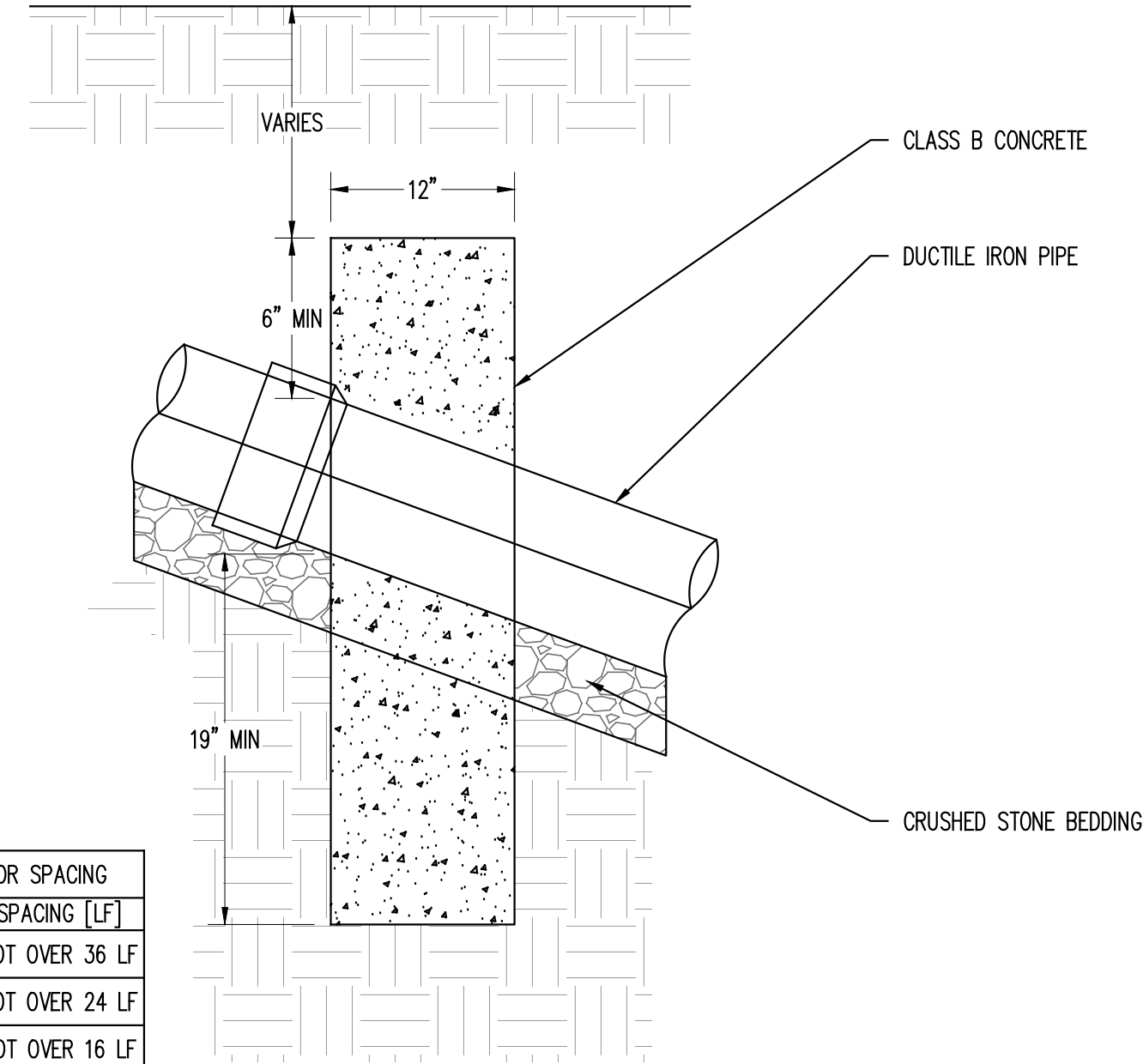
E CONCRETE ANCHOR BLOCK DETAIL

0.01.505



C DRAIN INLET

0.01.505



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**COUNTY OF ROCKLAND
CAPITAL PROJECT NO. 1307
HIGHWAY DEPARTMENT /
EMERGENCY OPERATIONS FACILITY
COUNTY OF ROCKLAND, NEW YORK**

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**STATE OF NEW YORK
ENGINEER
101180**

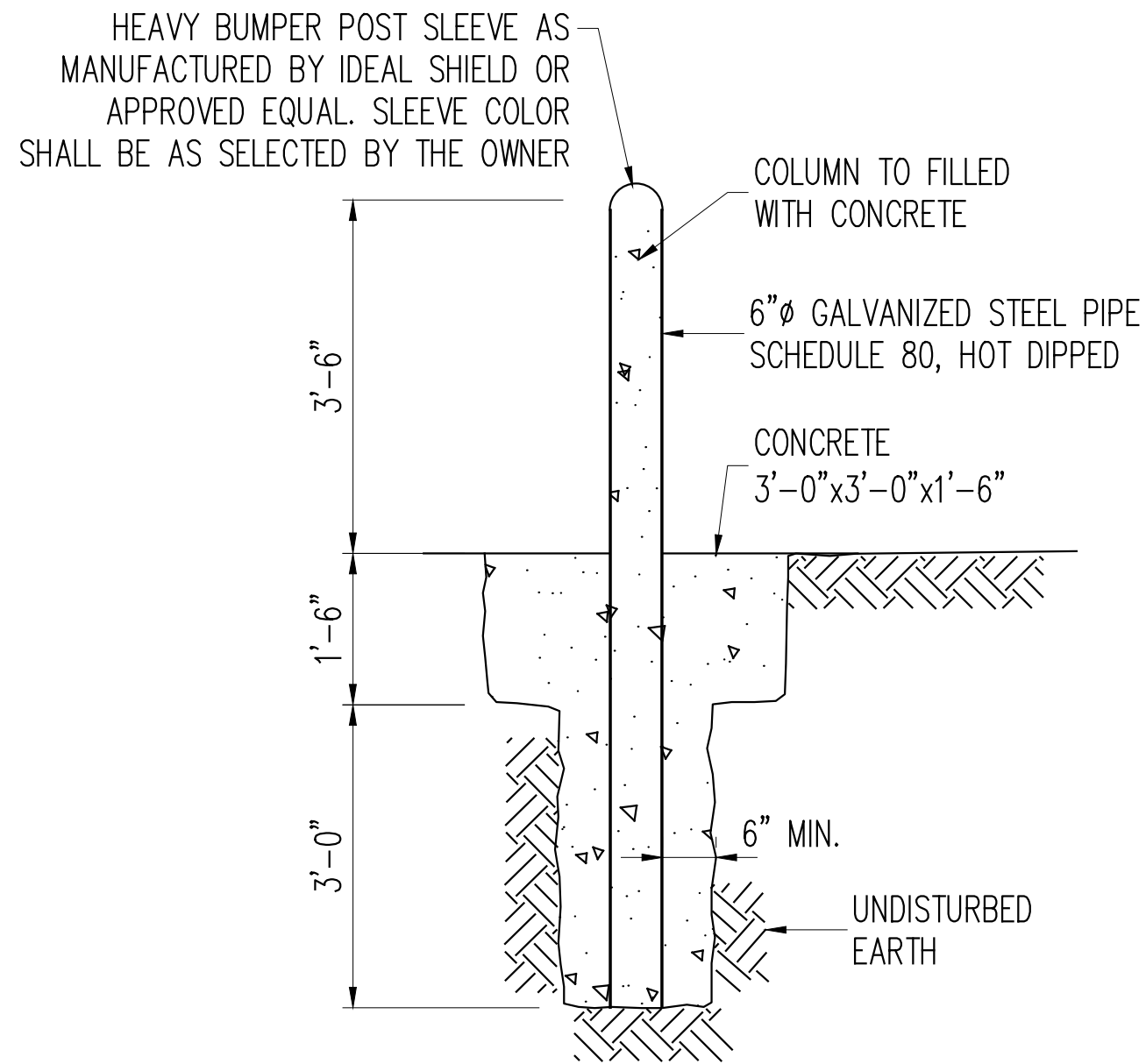
**DETAIL
(SHEET 5 OF 7)**

No.	DATE	REVISION	BY

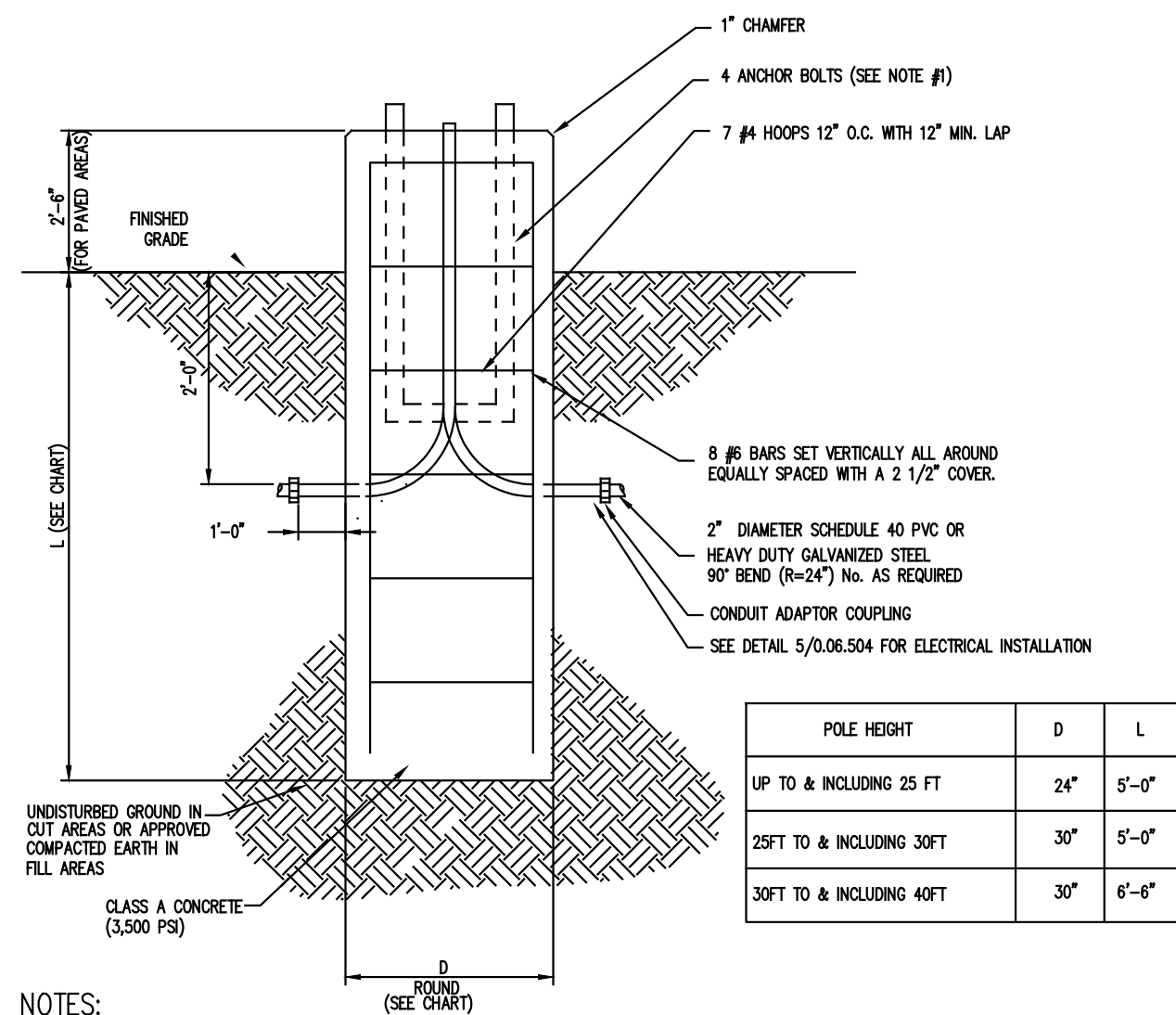
**PROJECT NO. 130439
SCALE AS NOTED
DATE OCTOBER 30, 2019
DRAWN BY ORR
CHECKED BY JMS
APPROVED BY**

BID SET
DRAWING NO. **0.01.505**
26 of 377 SHTS

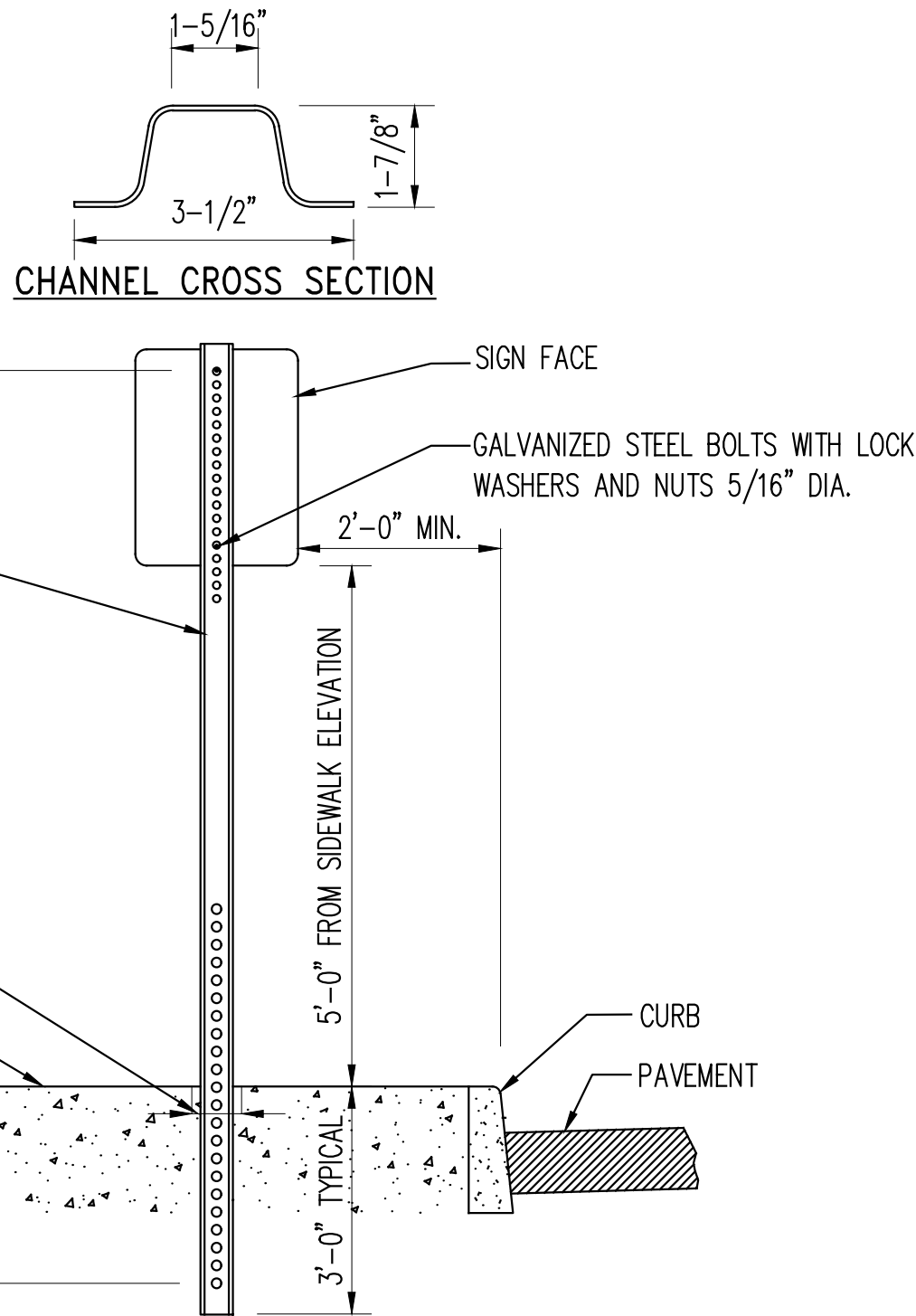
FILE NAME: P:\Proj\130\130439\10_Dwg\CAD\01.502.dwg PLOT TIME: Mon, 28 Oct 2019 - 3:16pm LAST SAVE: Mon, 28 Oct 2019 - 2:08pm BY: JSpeer



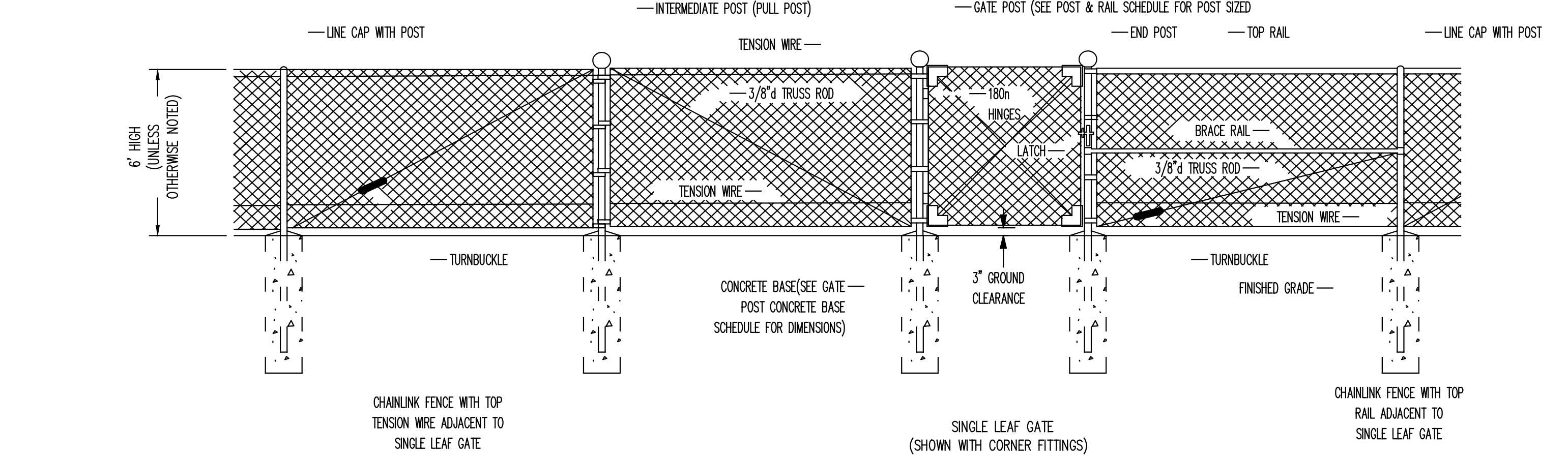
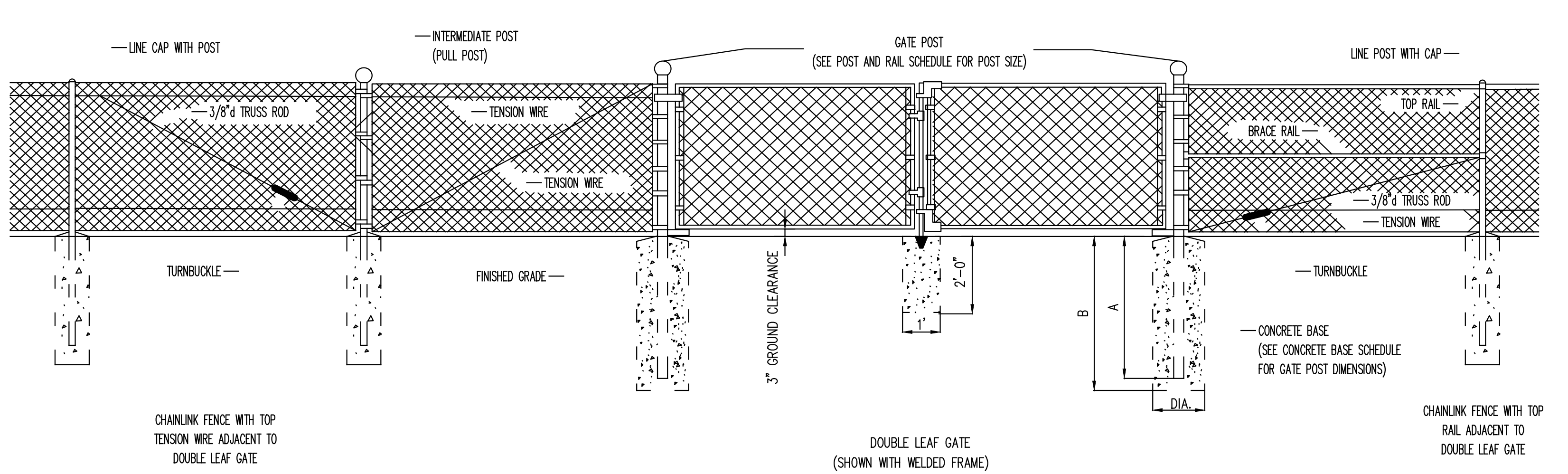
A **FIXED BOLLARD DETAIL**
0.01.506 N.T.S.



B **LIGHT POLE BASE DETAIL**
0.01.506 N.T.S.



C **SIGN POSTS**
0.01.506 N.T.S.



- NOTES:
- GATES POSTS IN ROCK. WHERE SUBSTANTIAL ROCK IS ENCOUNTERED A HOLE 1" LARGER THAN THE GATE POST AND A MINIMUM DEPTH OF 1'-6" FOR SINGLE LEAF GATES UP TO 12' SPAN AND DOUBLE LEAF GATES UP TO 36' SPAN, AND 2' IN DEPTH FOR DOUBLE LEAF GATES 40' SPAN TO 44' SPAN SHALL BE MADE. AFTER INSERTING THE POSTS, THE HOLES SHALL BE BACKFILLED WITH A HANDMIXED 1:2 MORTAR CONSISTING OF ONE PART PORTLAND CEMENT AND TWO PARTS FINE AGGREGATE MIXED TO A PLASTIC CONSISTENCY SHOWING NO SIGN OF FREE WATER. THE HANDMIXING AND CONSOLIDATION OF THE MORTAR SHALL BE PREFORMED IN A MANNER APPROVED BY THE ENGINEER.
 - THE CONTRACTOR SHALL SUBMIT THE DETAILS FOR GATES AND CHAINLINK FENCE ADJACENT TO THEM TO THE ENGINEER. NO FENCE OR GATES SHALL BE ERECTED PRIOR TO THE APPROVAL OF THE VARIOUS DETAILS.
 - STEEL PIPES AND SHAPES SHALL WEIGH AT LEAST 95% OF THE WEIGHT SPECIFIED ON THIS SHEET. THEY MAY EXCEED THE SPECIFIED WEIGHT.

GATE POST CONCRETE BASE SCHEDULE			
USE	DIA.	A	B
GATE POST FOR SINGLE LEAF GATES UP TO 12' SPAN	14"	3'-0"	3'-6"
GATE POST FOR DOUBLE LEAF GATES UP TO 24' SPAN	14"	3'-0"	3'-6"
GATE POST FOR DOUBLE LEAF GATES 28" - 36" SPAN	24"	3'-0"	3'-6"
GATES POSTS FOR DOUBLE LEAF GATES 40' - 44'	24"	3'-6"	3'-8"

(SEE NOTE 1) *FROM ANSI - H35.2(M)

POST AND RAIL SCHEDULE				
USE	SECTION	STEEL		
		NPS DESIGNATOR	ROLLFORMED	WGT LBS/FT
GATE POSTS FOR SINGLE LEAF GATES LESS THAN 6' SPAN	SCHEDULE 40 PIPE	2 1/2		5.79
	CLASS B, STEEL	2 1/2		4.64
GATE POSTS FOR SINGLE LEAF GATES LESS THAN 6' - 12' SPAN	SCHEDULE 40 PIPE	3 1/2		9.11
	ROLLFORMED		3 1/2 X 3 1/2	5.10
GATE POSTS FOR DOUBLE LEAF GATES, 10' - 24' SPAN	SCHEDULE 40 PIPE	3 1/2		9.11
	ROLLFORMED		3 1/2 X 3 1/2	5.10
GATES POSTS FOR DOUBLE LEAF GATES, 28' - 36" SPAN	SCHEDULE 40 PIPE	6		18.97
GATE POSTS FOR DOUBLE LEAF GATES, 40' - 44" SPAN	SCHEDULE 40 PIPE	8		28.55
GATE FRAME FOR GATES 8' IN WIDTH OR LESS	SCHEDULE 40 PIPE	1 1/2		2.72
GATE FRAME FOR GATES GREATER THAN 8' IN WIDTH	SCHEDULE 40 PIPE	2		3.65

D **CHAIN LINK FENCE**
0.01.506 N.T.S.

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PROJECT

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SEAL

STATE OF NEW YORK

REGISTERED PROFESSIONAL ENGINEER

10180

SHEET NAME

DETAIL
(SHEET 6 OF 7)

PROJECT NO.	130439	ISSUED FOR	BID SET
SCALE	AS NOTED	DRAWING NO.	0.01.506
DATE	OCTOBER 30, 2019	APPROVED BY	JMS
DRAWN BY	ORR	BY	
CHECKED BY	JMS	REVISION	
APPROVED BY		DATE	
No.	DATE	REVISION	BY

FILE NAME: P:\Proj\130\130439\10_Dwg\CAD\01.507.dwg LAST SAVE: Mon, 28 Oct 2019 - 2:08pm BY: JSpeer PLOT TIME: Mon, 28 Oct 2019 - 3:17pm LAST SAVE: Mon, 28 Oct 2019 - 2:08pm BY: JSpeer

GENERAL SPECIFICATIONS

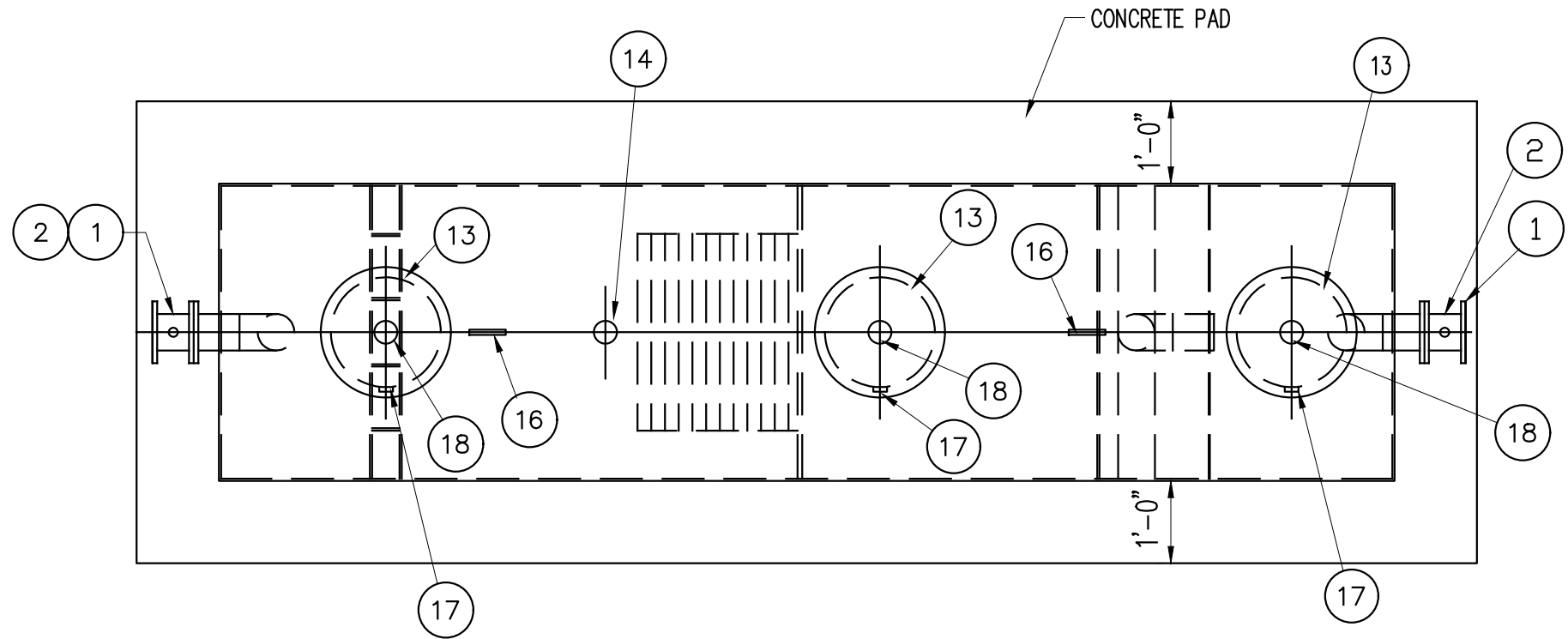
NO. REQ'D: (1) 1,000 GALLON AND (1) 3,000 GALLON
CAPACITY: 1,000 GALLON AND 3,000 GALLON
TYPE: HTC, ACT-100-U, SINGLE WALL, "G" SERIES
MATERIAL: MILD CARBON STEEL
FLOW RATE: 75 GPM FOR 1,000 GAL. AND 300 GPM FOR 3,000 GAL.
GAUGE:
SHELL- 7 GA.
HEADS- 7 GA.
SURFACE PREP: SP-6 BLAST ALL EXTERIOR SURFACES
COATING: MATERIAL THICKNESS
EXTERIOR- POLYURETHANE 70 MILS
INTERIOR- POLYURETHANE 15 MILS
CONSTRUCTION : LAP FIT & WELD ALL EXTERIOR SEAMS
OPERATING PRESSURE: ATMOSPHERIC

PROVIDED EQUIPMENT

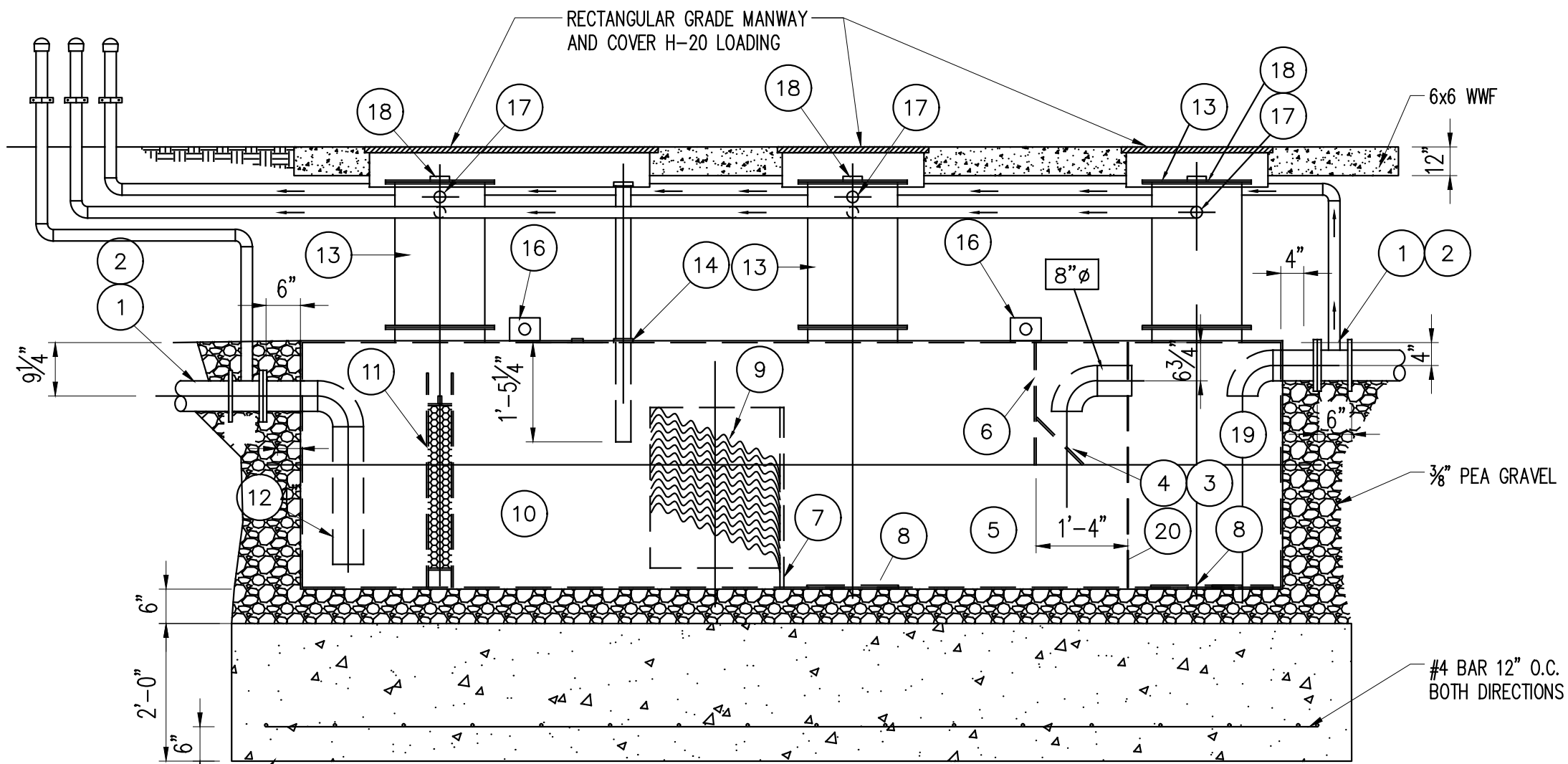
1. 150# R.F.S.O. FLANGE
2. ISOLATION SPOOL PIECE WITH 2" NPT FOR VENT
3. VELOCITY HEAD DIFFUSION BAFFLE
4. WEAR PLATE
5. SEDIMENT CHAMBER
6. UNDERFLOW BAFFLE
7. SLUDGE BAFFLE
8. STRIKER PLATES
9. PARALLEL CORRUGATED PLATE COALESCER
10. OIL/WATER SEPARATOR CHAMBER
11. 6" THICK COALESCER MATERIAL INSTALLED W/ PULL ROD SHIPPED LOOSE
12. OUTLET DOWNCOMER
13. 24"Ø MANWAY WITH BOLT-ON EXTENSION SHIPPED LOOSE
14. 5"Ø FTG. W/ 5"ØX4"Ø NYLON BUSHING FTG. FOR OIL PUMP-OUT W/ INTERNAL PIPE INSTALLED & RISER PIPE SHIPPED LOOSE
15. 3"Ø FTG. W/ 3"ØX2"Ø NYLON BUSHING FTG. FOR LEVEL SENSOR WITH RISER PIPE SHIPPED LOOSE
16. LIFTING LUG
17. 3"Ø FTG. W/ 3"ØX2"Ø NYLON BUSHING FTG. FOR VENT TYP. ALL MANWAYS
18. 5"Ø FTG. W/ 5"ØX4"Ø NYLON BUSHING FTG. FOR GAUGE WITH PLUG- TYP. ALL MANWAYS
19. SLUDGE CHAMBER
20. 7 GA. BULKHEAD

NOTES:

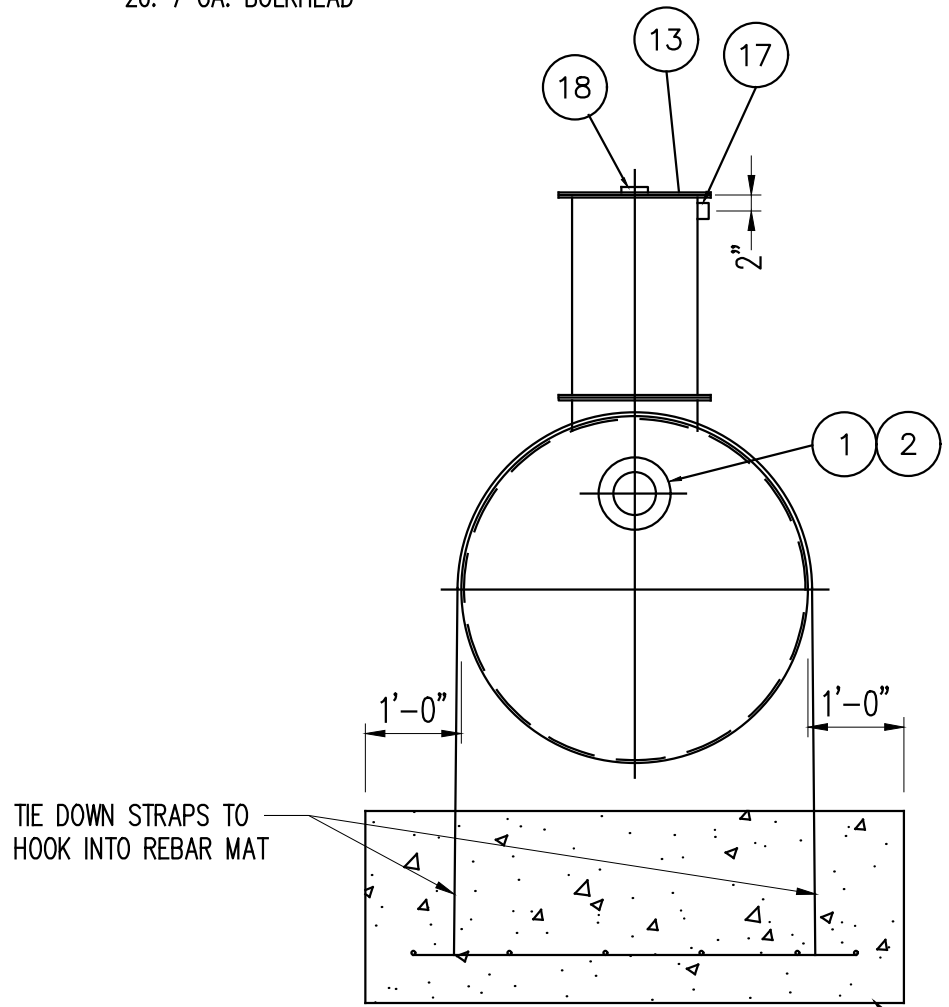
1. POLYURETHANE ACT-100-U TANK IS NOT APPROVED FOR THE STORAGE OF HEATED PRODUCTS.
2. TANK HAS 30 YEAR LIMITED WARRANTY THROUGH STEEL TANK INSURANCE COMPANY.
3. 15000 VOLT SPARK TEST PROVIDED AT FACTORY.
4. ALL VENT PIPING BY INSTALLER.



PLAN

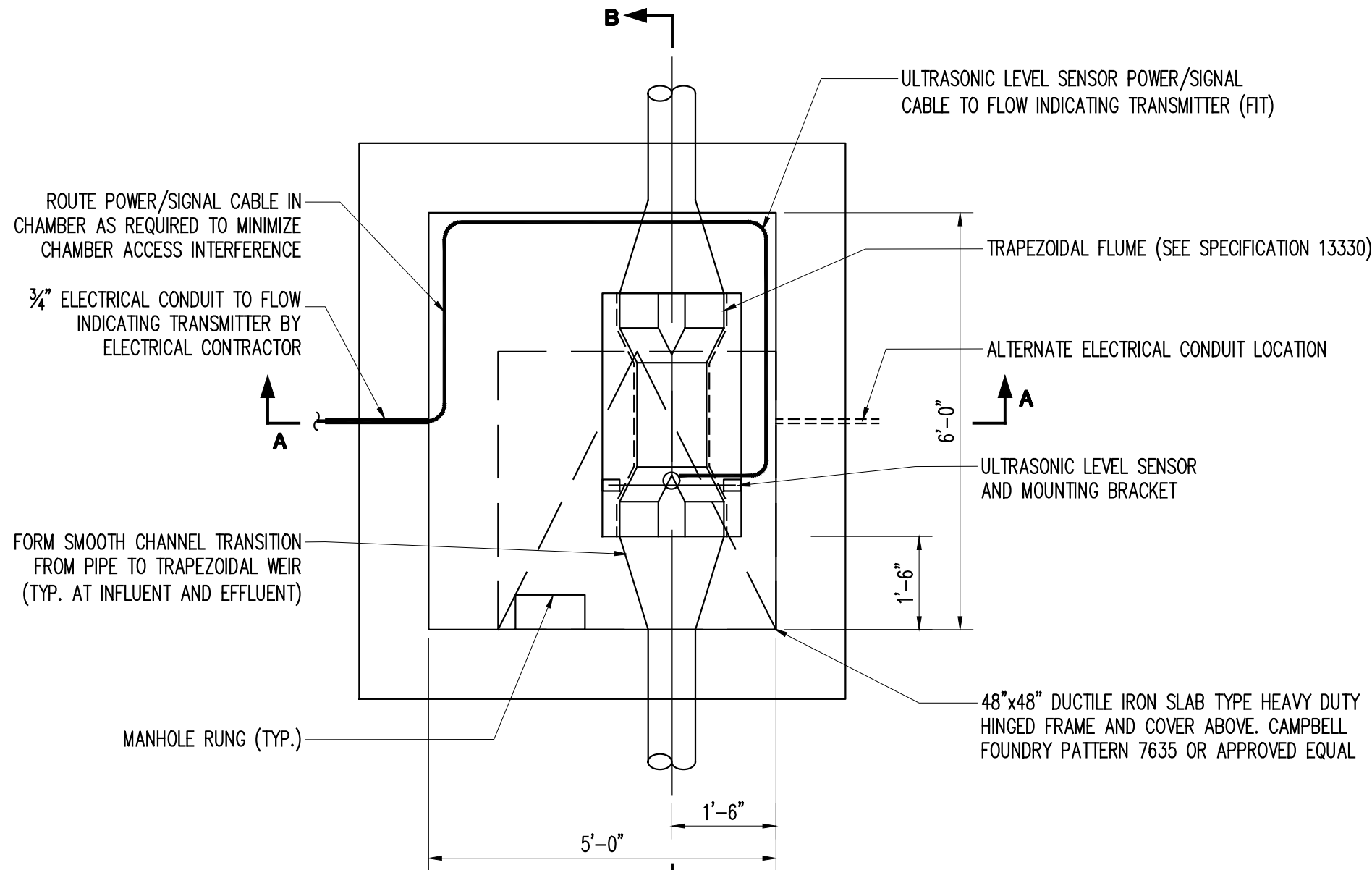


ELEVATION

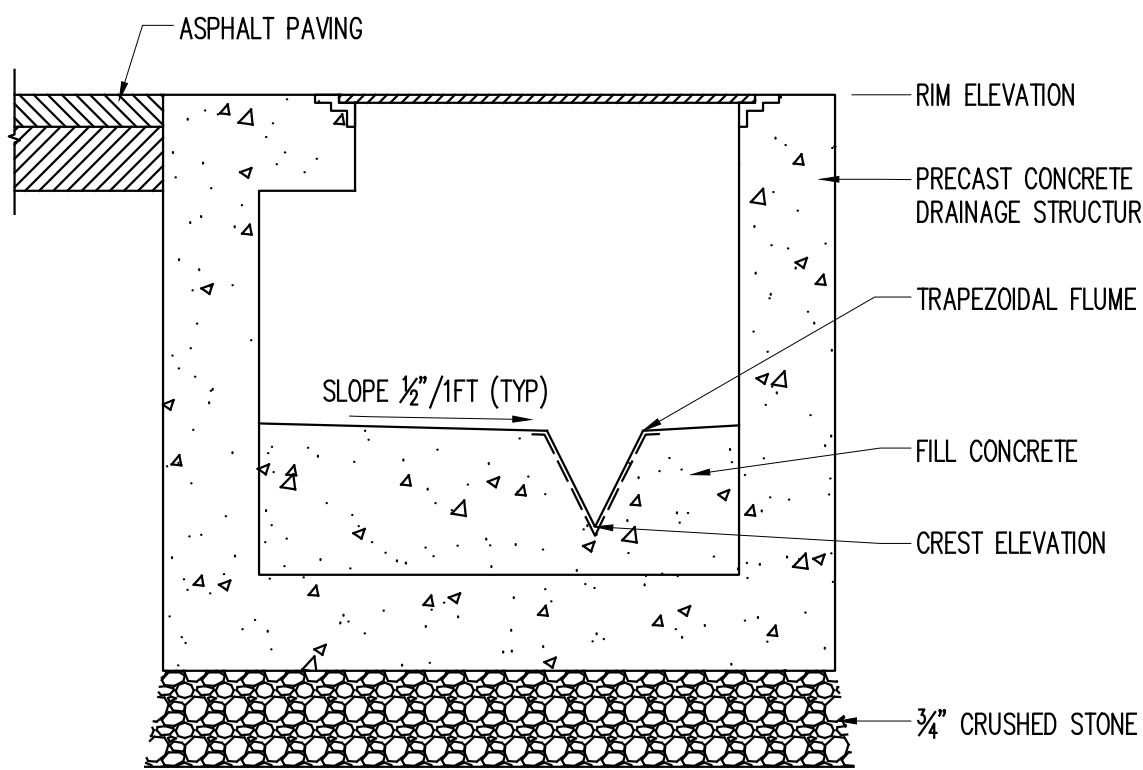


END VIEW

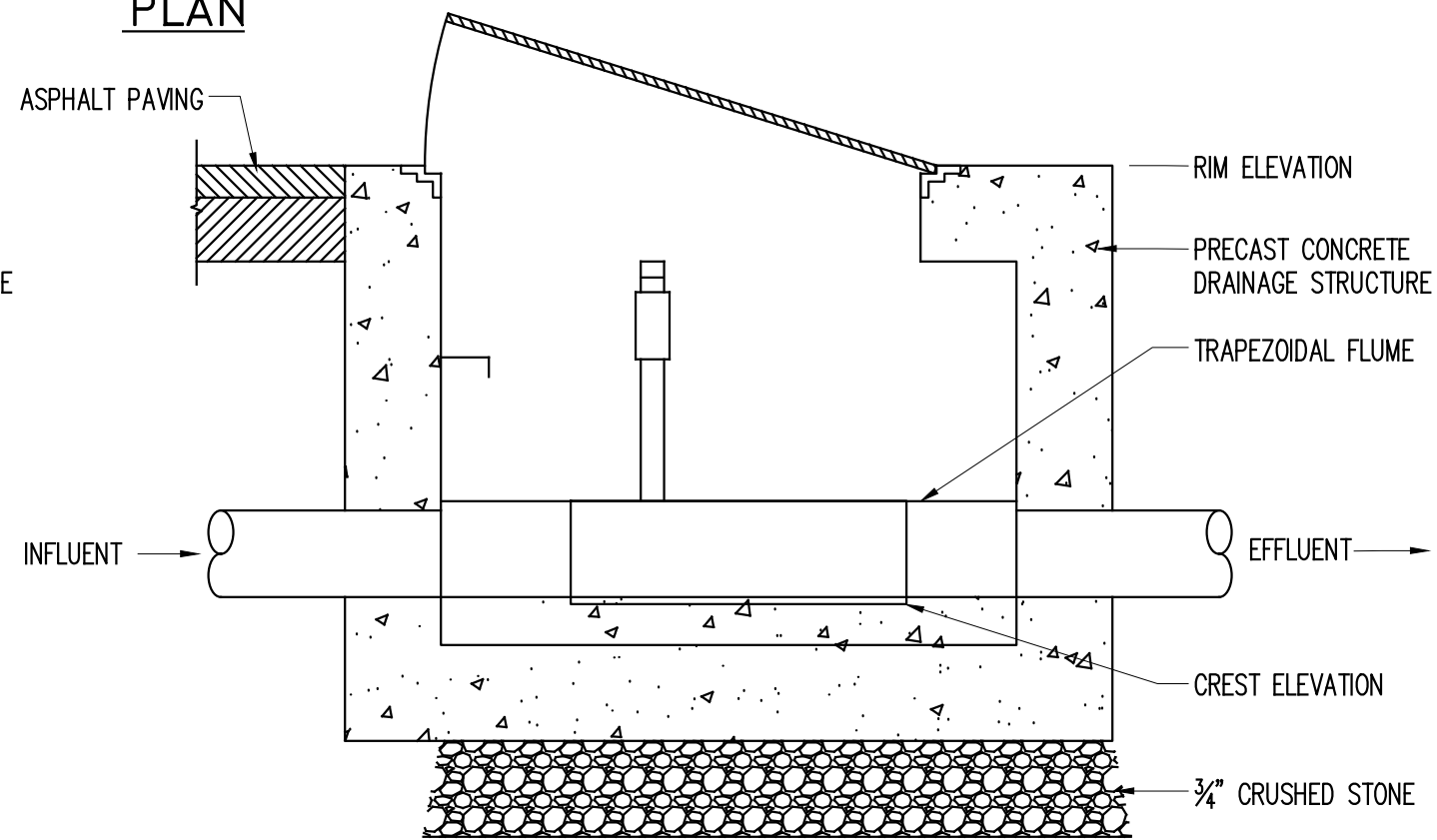
TIE DOWN STRAPS AND CONCRETE PAD ONLY REQUIRED FOR 1,000 GALLON OIL/WATER SEPARATOR



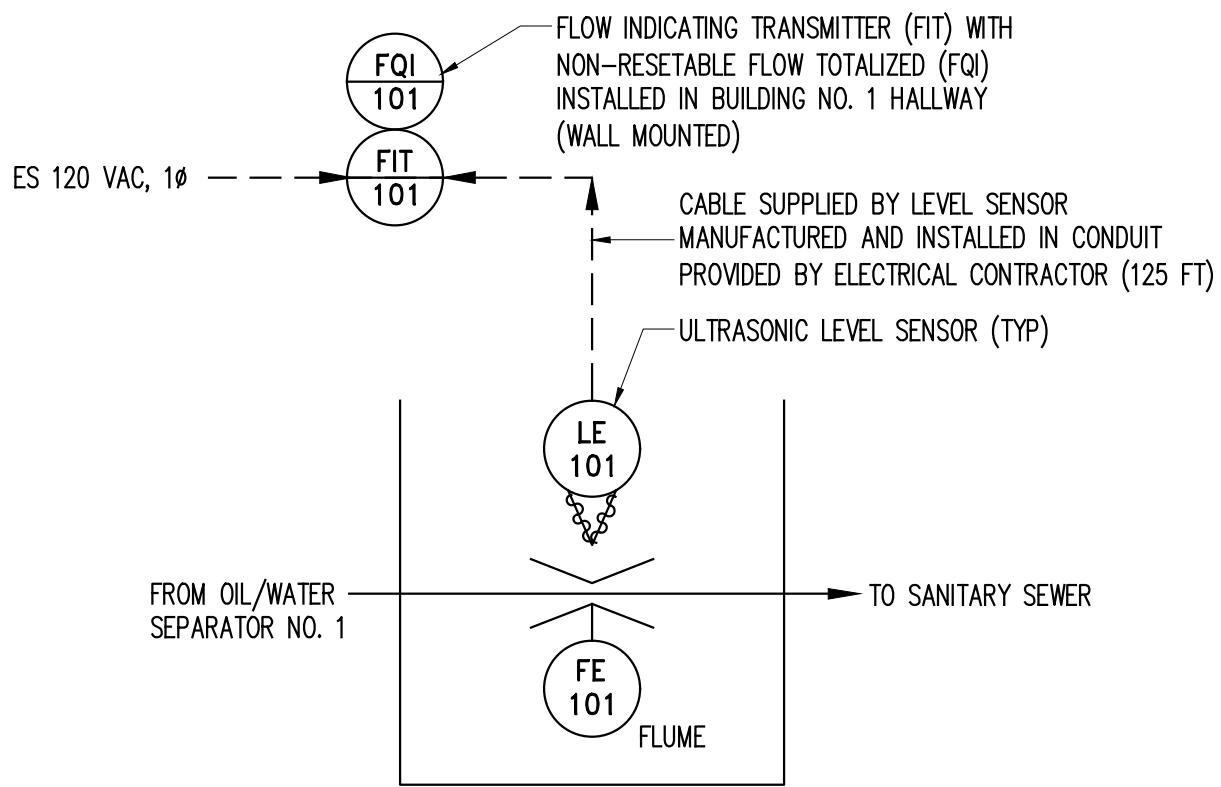
PLAN



SECTION A-A



SECTION B-B



FLOW METERING MANHOLE NO. 1

A

DETAIL FOR 1,000 GALLON OIL/WATER SEPARATOR (TRUCK WASH)

0.01.507

N.T.S.

B

FLOW METERING MANHOLE DETAILS (TRUCK WASH)

0.01.507

N.T.S.

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SHEET NAME

DETAIL
(SHEET 7 OF 7)

No.	DATE	REVISION	BY

PROJECT NO. 130439

SCALE AS NOTED

DATE OCTOBER 30, 2019

DRAWN BY ORR

CHECKED BY JMS

APPROVED BY

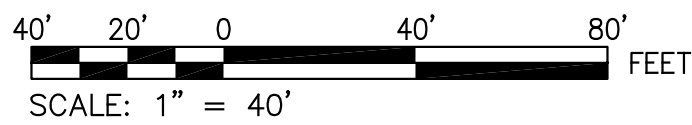
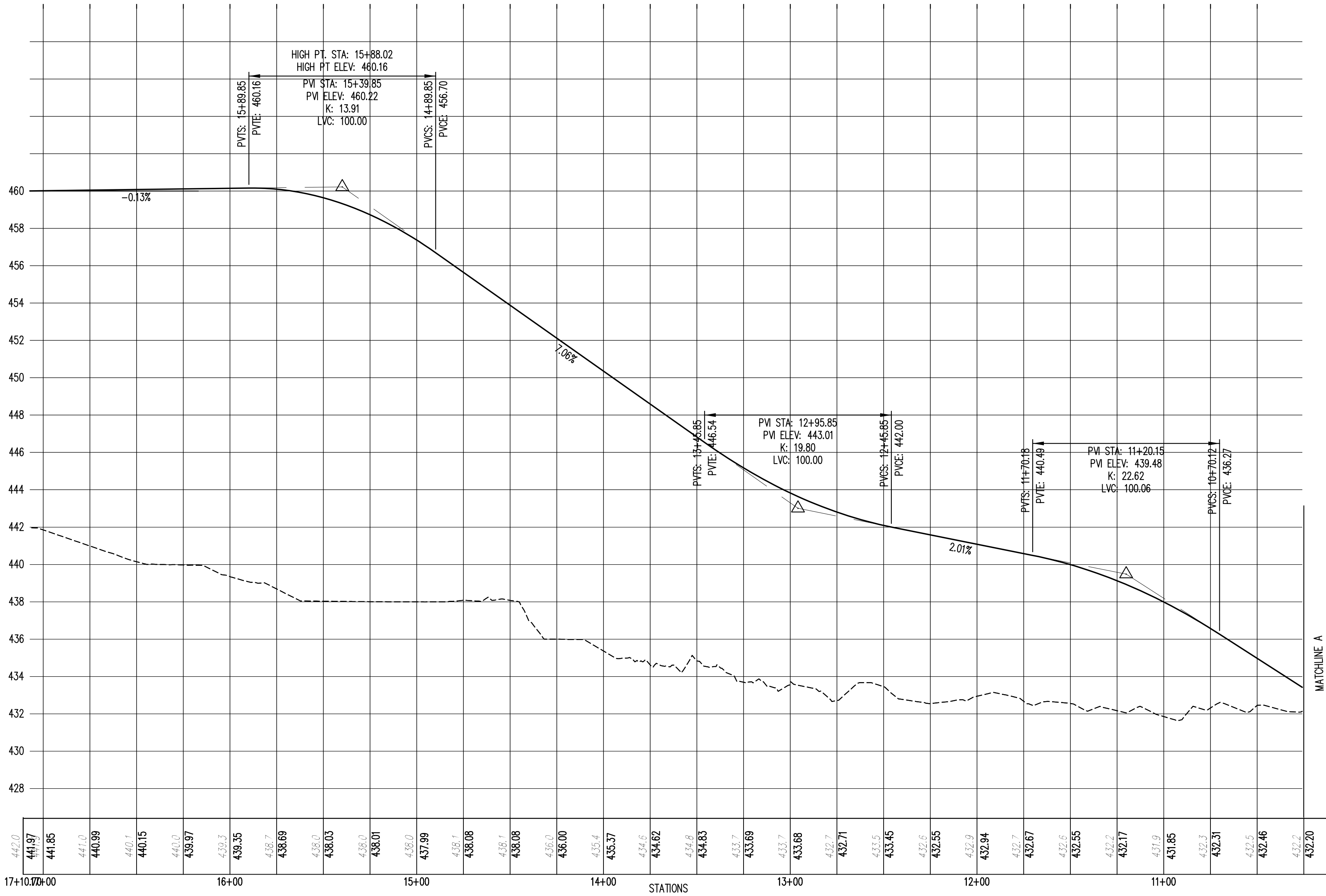
ISSUED FOR BID SET

DRAWING NO. 0.01.507

28 of 377 SHTS

FILE NAME: P:\Proj\30\130439\10.Dwg\30\130439\10.01.601 to 0.01.602 Road Profiles.dwg PLOT TIME: Mon, 28 Oct 2019 - 2:49pm LAST SAVE: Mon, 28 Oct 2019 - 2:07pm BY: JSpeer

ELEVATIONS

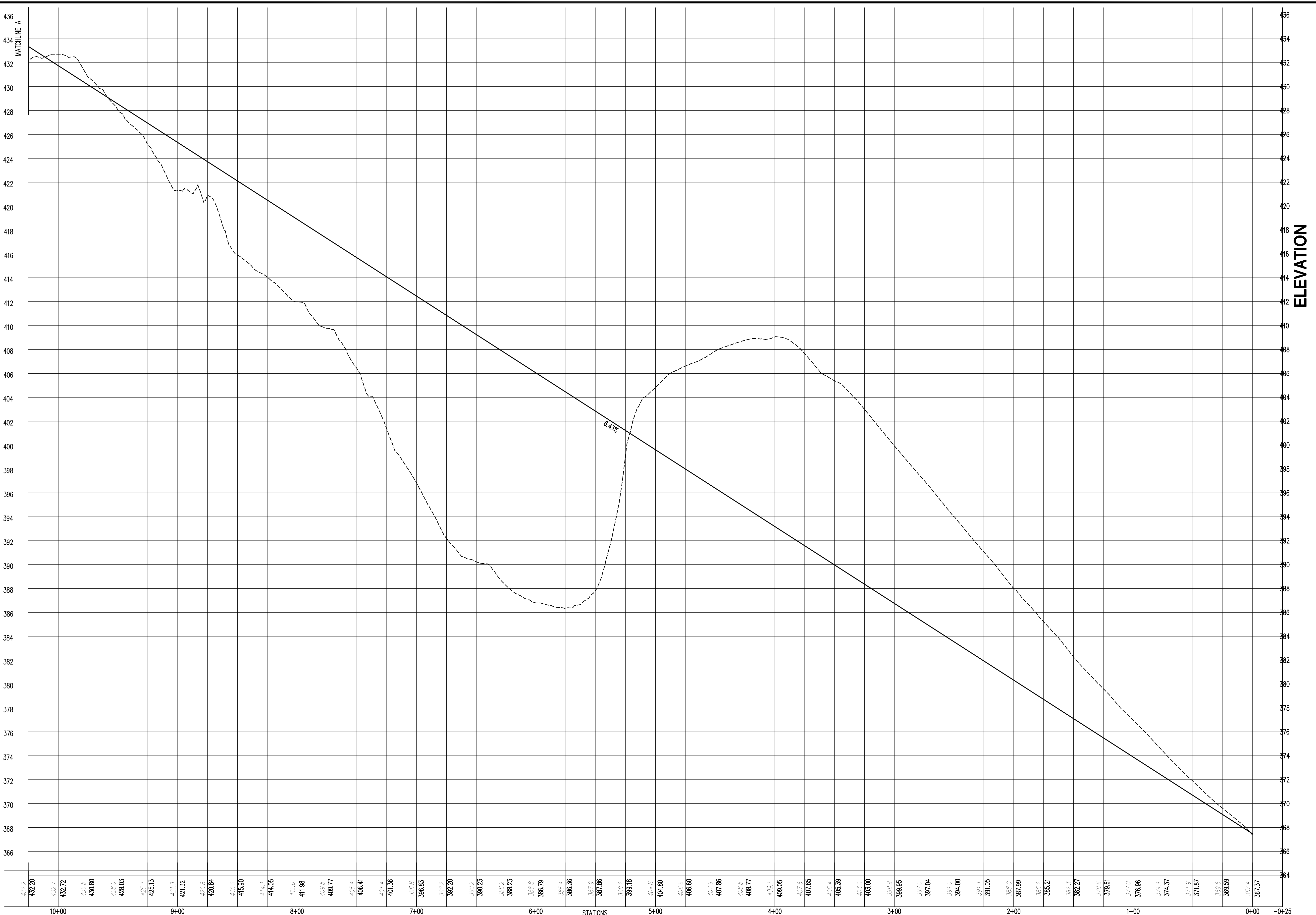


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No.	DATE	REVISION	BY																																															

FILE NAME: P:\Proj\30\130439\0_Dwg\CAVD\0.01.601 to 0.01.602 Road Profiles.dwg PLOT TIME: Mon, 28 Oct 2019 - 3:01pm LAST SAVE: Mon, 28 Oct 2019 - 2:07pm BY: JSpear



40' 20' 0 40' 80' FEET
SCALE: 1" = 40'

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