

HORIZONTAL ORIENTATION DERIVED FROM GPS OBSERVATIONS AND NAD83(2011) GRID DATA, MISSISSIPPI STATE PLANE EAST ZONE, AND NAVD88 DATUM, HAVING A COMBINED FACTOR OF 0.99995188 AND A CONVERGENCE ANGLE OF (+00°04'11.8731\"), AS SAMPLED AT WKG CONTROL POINT #2, AS SHOWN HEREON.

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**Meridian High School
Baseball/Softball Re-Bid**
2320 32nd St, Meridian, MS 39305

Construction Documents

Project No	22034-03
Date	8/10/23
Revisions	Rev Date
Addendum #1	8/10/23

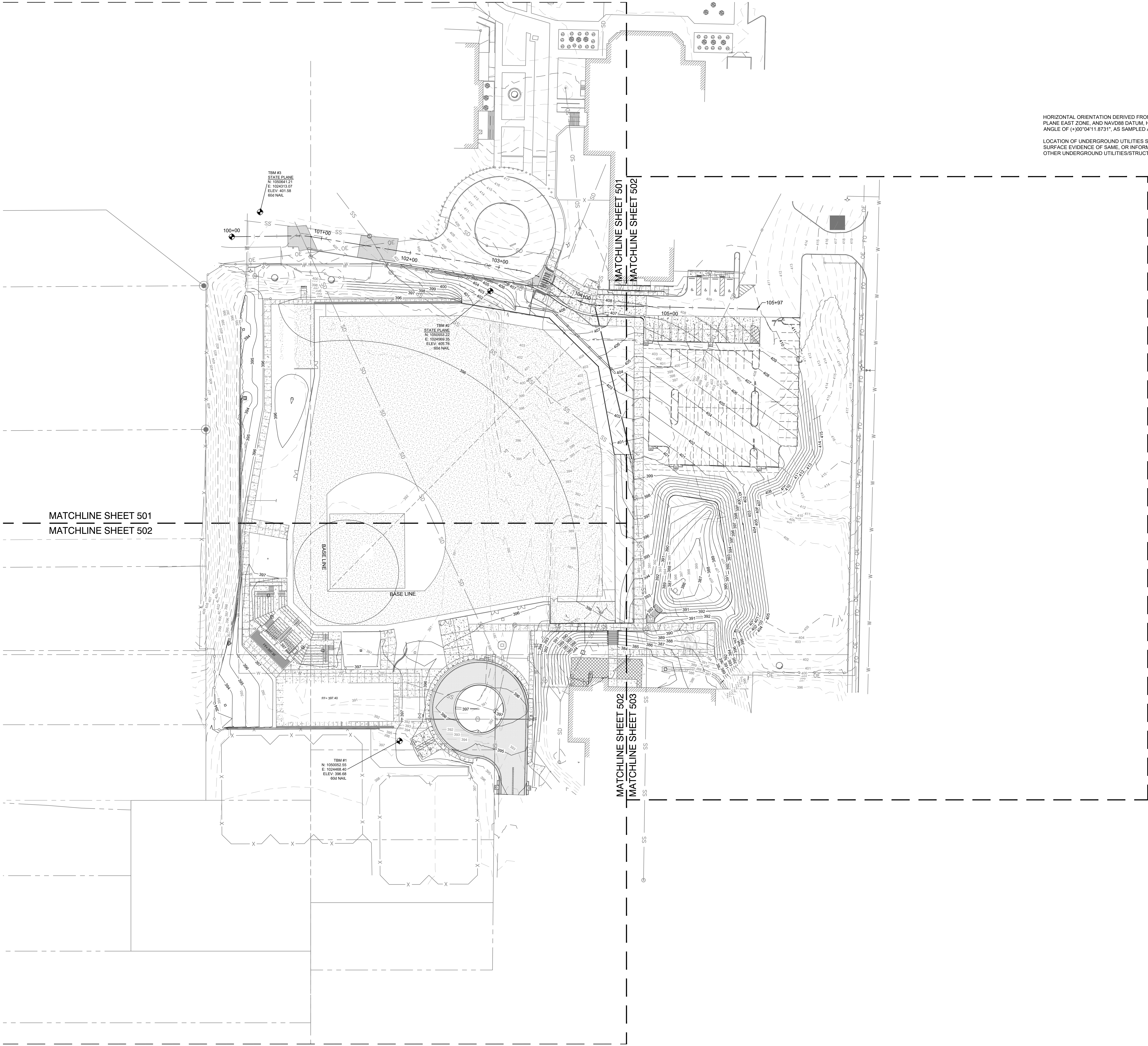
WG K
ENGINEERS & SURVEYORS

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132 West Cherokee Street
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C-500
Overall Grading Plan

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MATCHLINE SHEET 501
MATCHLINE SHEET 502

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MATCHLINE SHEET 503

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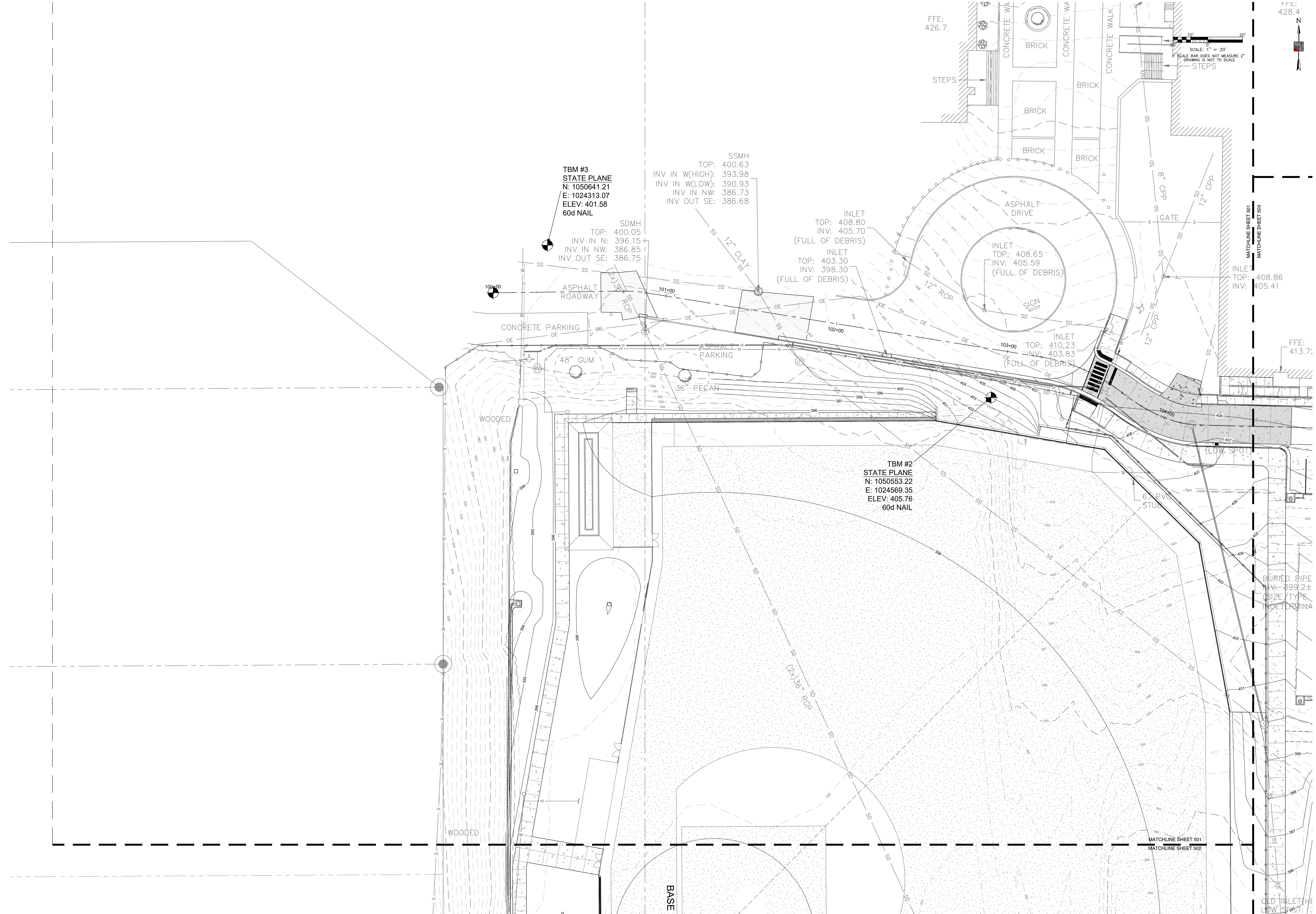
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TBM #3
STATE PLANE
N: 1050641.21
E: 1024313.07
ELEV: 401.58
60d NAIL

SSMH
TOP: 400.63
INV IN W(HIGH): 393.98
INV IN W(LOW): 390.93
INV IN NW: 386.73
INV OUT SE: 386.68

SDMH
TOP: 400.05
INV IN N: 396.15
INV IN NW: 386.85
INV OUT SE: 386.75

INLET
TOP: 408.80
INV: 405.70
(FULL OF DEBRIS)
INLET
TOP: 403.30
INV: 398.30
(FULL OF DEBRIS)

INLET
TOP: 408.65
INV: 405.59
(FULL OF DEBRIS)

INLET
TOP: 410.23
INV: 403.83
(FULL OF DEBRIS)

TBM #2
STATE PLANE
N: 1050553.22
E: 1024569.35
ELEV: 405.76
60d NAIL

HORIZONTAL ORIENTATION DERIVED FROM GPS OBSERVATIONS AND NAD83(2011) GRID DATA, MISSISSIPPI STATE PLANE EAST ZONE, AND NAVD83 DATUM, HAVING A COMBINED FACTOR OF 0.99995186 AND A CONVERGENCE ANGLE OF (+)0°04'11.8731", AS SAMPLED AT W/GK CONTROL POINT #2, AS SHOWN HEREON.
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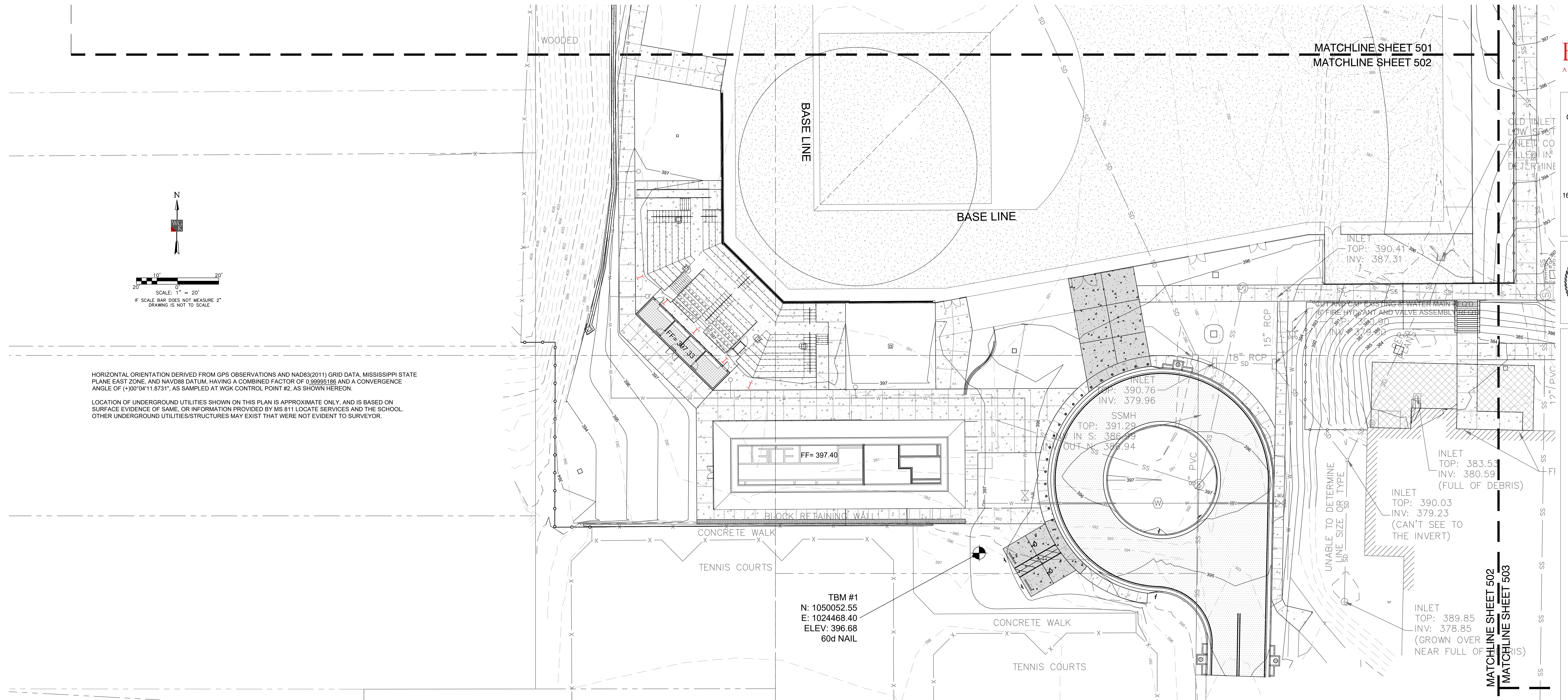




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TBM #1
N: 1050052.55
E: 1024468.40
ELEV: 396.68
60d NAIL

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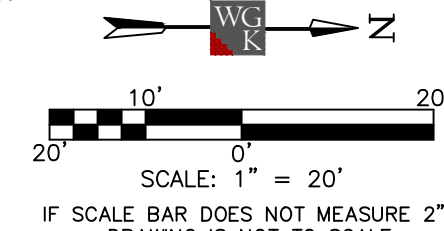
Construction Documents

Project No 22034-03
Date 8/10/23
Revisions Rev Date
Addendum #1 8/10/23

C-503

Grading Plan

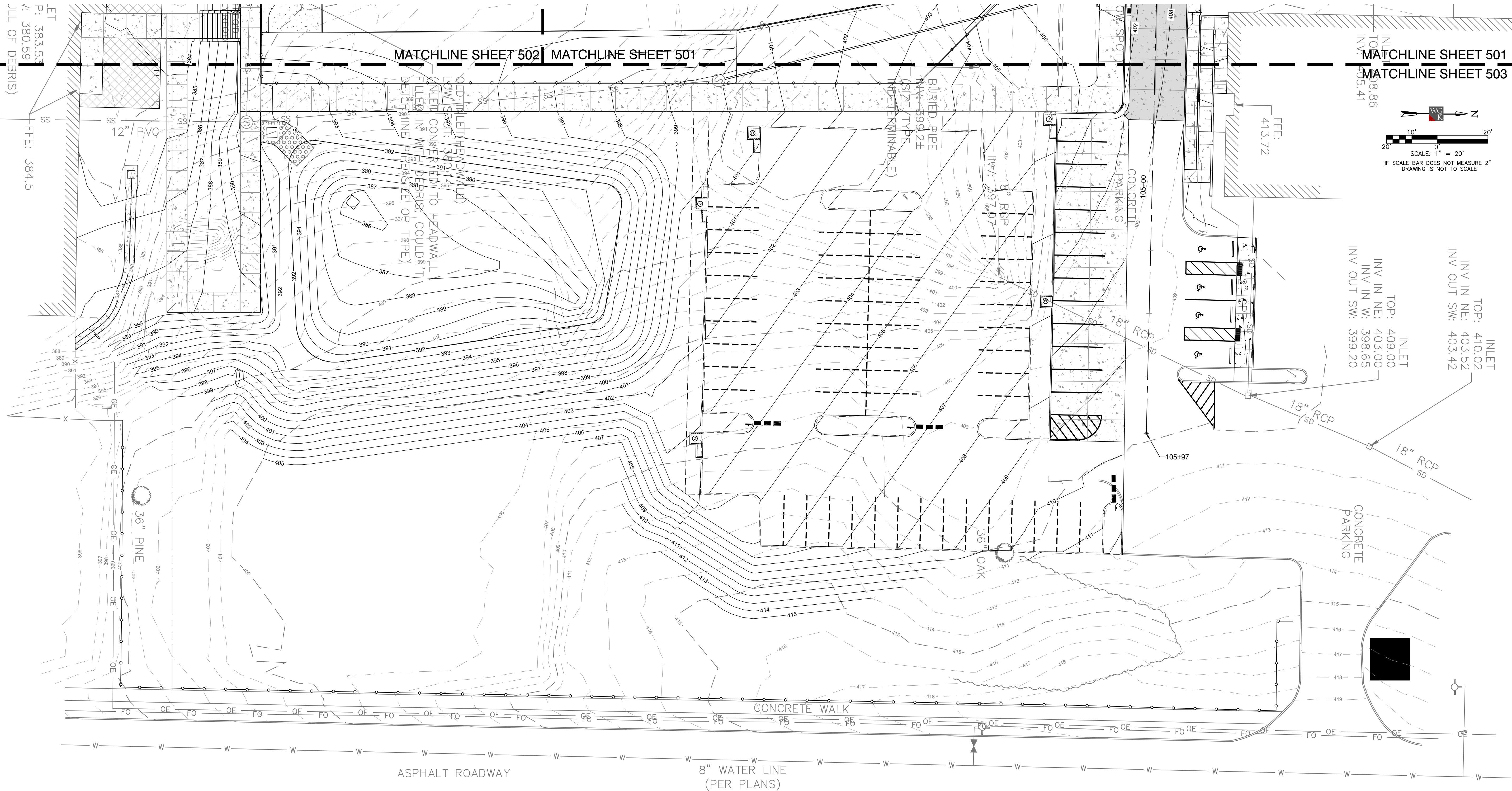
MATCHLINE SHEET 501
MATCHLINE SHEET 503



INLET
TOP: 410.02
INV IN NE: 403.52
INV OUT SW: 403.42

TOP: 409.00
INV IN NE: 403.00
INV IN W: 398.65
INV OUT SW: 399.20

MATCHLINE SHEET 502 MATCHLINE SHEET 501



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39.85
8.85
OVER &
ULL OF DEBRIS)

ET
P: 383.53
7: 380.59
JLL OF DEBRIS)
FFEE: 384.5

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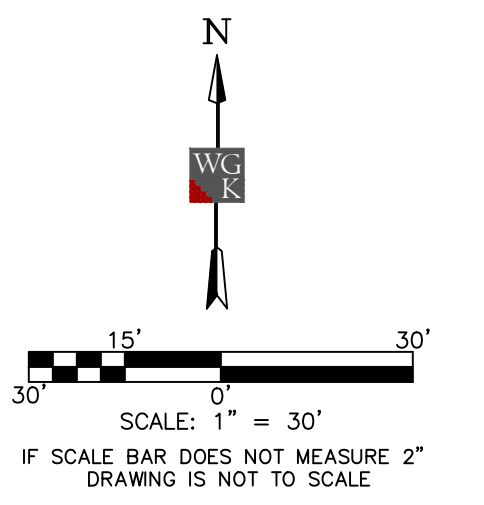
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NOTES:

1. Drainage improvements shown on Sheets 600-603 are what is required of CONTRACTOR for the project's base bid. CONTRACTOR to include pricing within the base bid to complete 12,000 LBS of Undersealing to the existing 36" RCP, as described within the project specifications. This pricing should include costs to complete the work as a whole in place to include injection of polyurethane foam, surface injection (if required), camera work associate with location of joints needing undersealing, finished camera work, removal of excess foam from inside of pipe, and any other incidentals as related to the completion of this item of work. CONTRACTOR to provide unit pricing for Undersealing, per LB, that will be used to adjust the contract accordingly based on amount of foam needed.
2. CONTRACTOR to provide pricing for a drainage alternate which includes the removal of the double run of 36" RCP and replacing with two new runs of 36" RCP drain pipe and associated tie-ins to existing and proposed drainage structures. Length of total 36" RCP to be installed is approximately 1,100 LF.
3. All RCP joints to be wrapped with geotextile fabric to seal joints.
4. CONTRACTOR to be required to pour in place all inlet tops and modifications to existing drainage structures. No precast concrete inlet tops will be allowed on the job.
5. Lateral field drain lines to be spaced as per typical detail.
6. Toewalls are required on all flared end sections per MDOT standard detail.
7. SS-2 Top spot elevation are shown at back of curb middle of main box, top to be poured in place at grade of back of curb.

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C-600

Overall Drainage Plan

NOTES:

1. CONTRACTOR to remove/seal existing 15" RCP pipe connection to existing 36" RCP. CONTRACTOR to install junction box (typ.) to connect existing 2 - 36" RCP at existing 15" RCP pipe connection to be removed. CONTRACTOR to connect proposed trench drain from left field area at elevation below stone drainage layer under the turf.
2. CONTRACTOR to connect 6" Schedule 40 PVC at 5% minimum slope from proposed trench drain to proposed junction box.
3. CONTRACTOR to pour in place trench drain as per details. Bottom of trench drain to have minimum 1% slope in direction of outfall pipe. Minimum starting depth of 1' below bottom of grate. ADA grate required.
4. CONTRACTOR to include knock out for 6" foundation drain for retaining walls as needed. Bottom of trench drain box to begin at 393.50' at this location.

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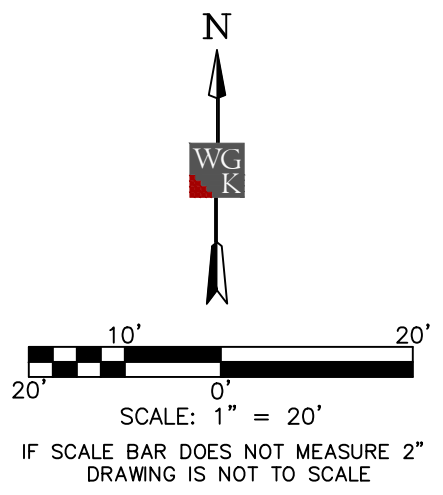
TBM #3
STATE PLANE
N: 1050641.21
E: 1024313.07
ELEV: 401.58
60d NAIL

TBM #2
STATE PLANE
N: 1050553.22
E: 1024569.35
ELEV: 405.76
60d NAIL

JUNCTION BOX #3 (typ.)
TO EX. 36" RCP REQ'D.
APPROX. INV. 384.99
CONTRACTOR TO
FIELD VERIFY

MATCHLINE SHEET 601
MATCHLINE SHEET 603

MATCHLINE SHEET 601
MATCHLINE SHEET 602



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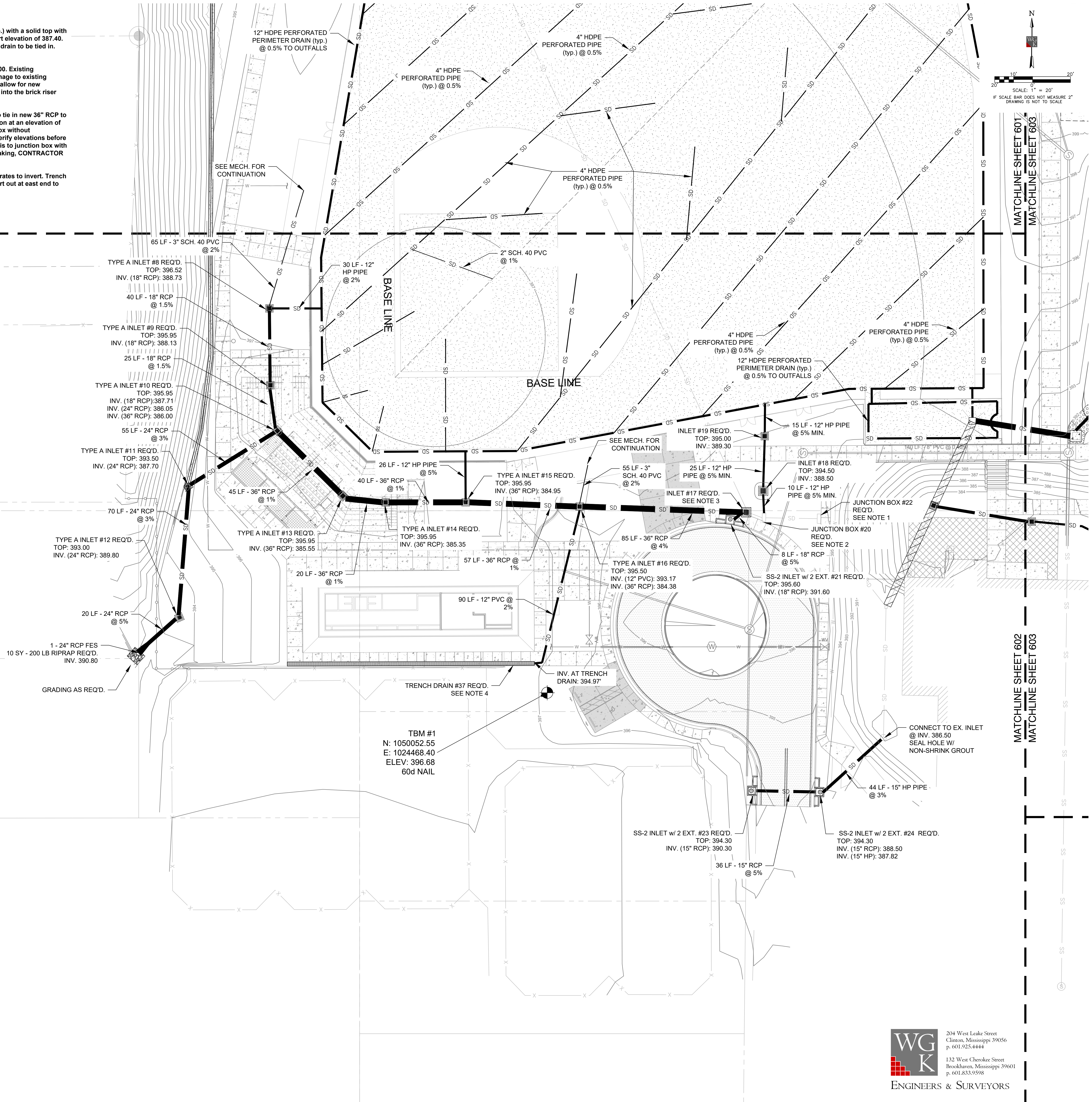
C-601

Drainage Plan

NOTES:

- CONTRACTOR to remove existing top and grate/castings to convert existing inlet to junction box (typ.) with a solid top with elevation of 390.00. CONTRACTOR to connect proposed storm drain to existing box structure at invert elevation of 387.40. CONTRACTOR to modify existing brick riser structure as necessary to allow for new proposed storm drain to be tied in. Seal hole with nonshrink grout. Existing grates/casting to be salvaged to the City of Meridian.
- CONTRACTOR to convert existing inlet to junction box with approximately solid top elevation of 390.00. Existing grates/castings to be salvaged to City of Meridian. CONTRACTOR to tie in 12" HP pipe from field drainage to existing northern wall of existing inlet. CONTRACTOR to modify existing brick riser structure as necessary to allow for new proposed storm drain to be tied in. Proposed 12" HP pipe to be tied in above existing box culvert and into the brick riser section. Seal hole with nonshrink grout. CONTRACTOR to seal off hole from existing 10" clay pipe.
- CONTRACTOR to remove existing 18" RCP to western wall of existing junction box. CONTRACTOR to tie in new 36" RCP to western wall of existing junction box between double run of 36" pipe and new box culvert cross section at an elevation of 380.97. The intent is for this invert elevation to allow for proposed 36" pipe to fit inside the junction box without compromising the wall thickness of existing top of box culvert/junction box. CONTRACTOR to field verify elevations before installing any pipe on this specific run. Seal holes with non shrink grout. CONTRACTOR to convert this to junction box with manhole ring and cover and top elevation of 395.30. OWNER has had issues with this junction box leaking. CONTRACTOR to rebuild/seal off existing structure as necessary when converting to inlet.
- Trench Drain to be approximately 130 LF long. Depth at upstream end to start at 1' deep from top of grates to invert. Trench drain to be installed in such a manner to ensure 1% slope from west to east towards outfall pipe. Invert out at east end to be 394.97'. ADA grate required.

MATCHLINE SHEET 601
MATCHLINE SHEET 602



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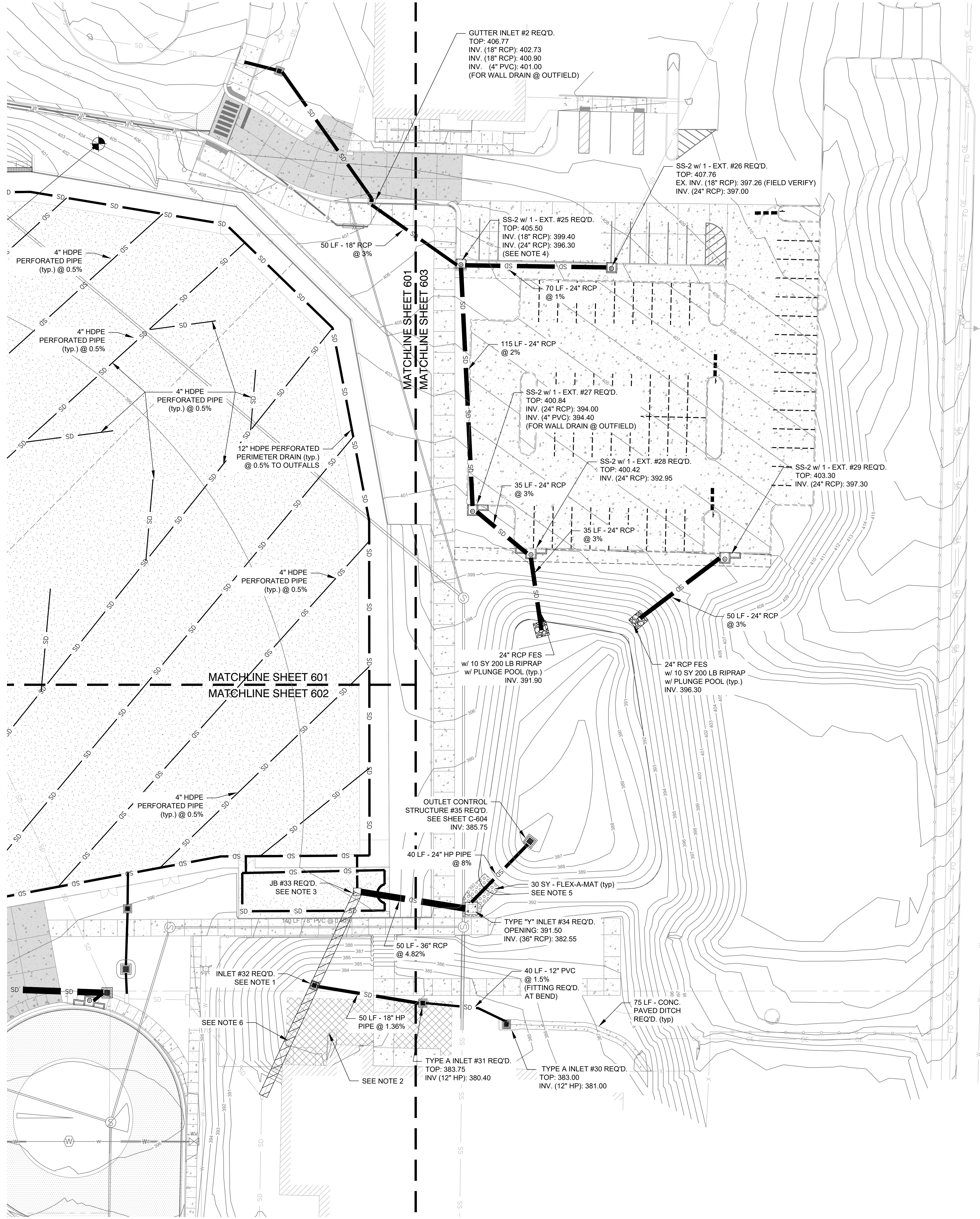
Construction Documents

Project No	22034-03
Date	8/10/23
Revisions	Rev Date
Addendum #1	8/10/23

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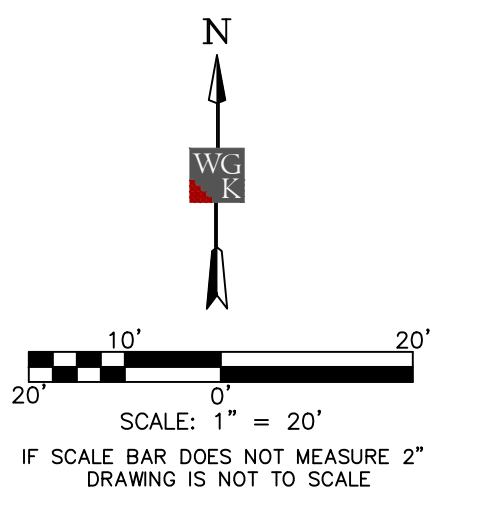


NOTES:

- CONTRACTOR** to make branch connection to existing box culvert with proposed 18" HP Pipe at elevation of 379.72'. **CONTRACTOR** to follow MDOT Detail #6507 for requirements of branch connection. **CONTRACTOR** to follow MDOT Detail #6527 to install drop inlet and grate for box culvert at the location shown on plans. **CONTRACTOR** to field verify existing box culvert invert at this location and horizontal location of existing box culvert and consult with the **ENGINEER** for final direction if field conditions are different than shown on plans before beginning this item of work. **CONTRACTOR** to include knock out for 6" foundation drain for retaining walls as needed.
- CONTRACTOR** to clean existing inlet and pipe connection to existing box culvert to ensure working at full capacity. **CONTRACTOR** to notify **ENGINEER** of any found deficiencies with this structure.
- CONTRACTOR** to saw cut and remove existing flared end section/headwall from existing box culvert. **CONTRACTOR** to follow MDOT Detail #6505 to then create junction box (no grate) to connect existing box culvert to proposed drainage pipes. Existing box culvert has invert of approximately 380.14'. Solid top of junction box to have elevation of 391.50'. 12" HP Pipe from baseball field to have invert of 385.50'. **CONTRACTOR** to field verify existing box culvert invert at this location and horizontal location of existing box culvert and consult with the **ENGINEER** for final direction if field conditions are different than shown on plans before beginning this item of work. **CONTRACTOR** to include knock out for 6" foundation drain for retaining walls as needed.
- CONTRACTOR** to include knock out in box for 6" foundation drain for nearby retaining walls as needed.
- CONTRACTOR** to use Flex-A-Mat product for emergency spillway to proposed "Y" Inlet. See construction details for typical section.
- CONTRACTOR** to clean silt and debris from this run of existing box culvert.

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Construction Documents

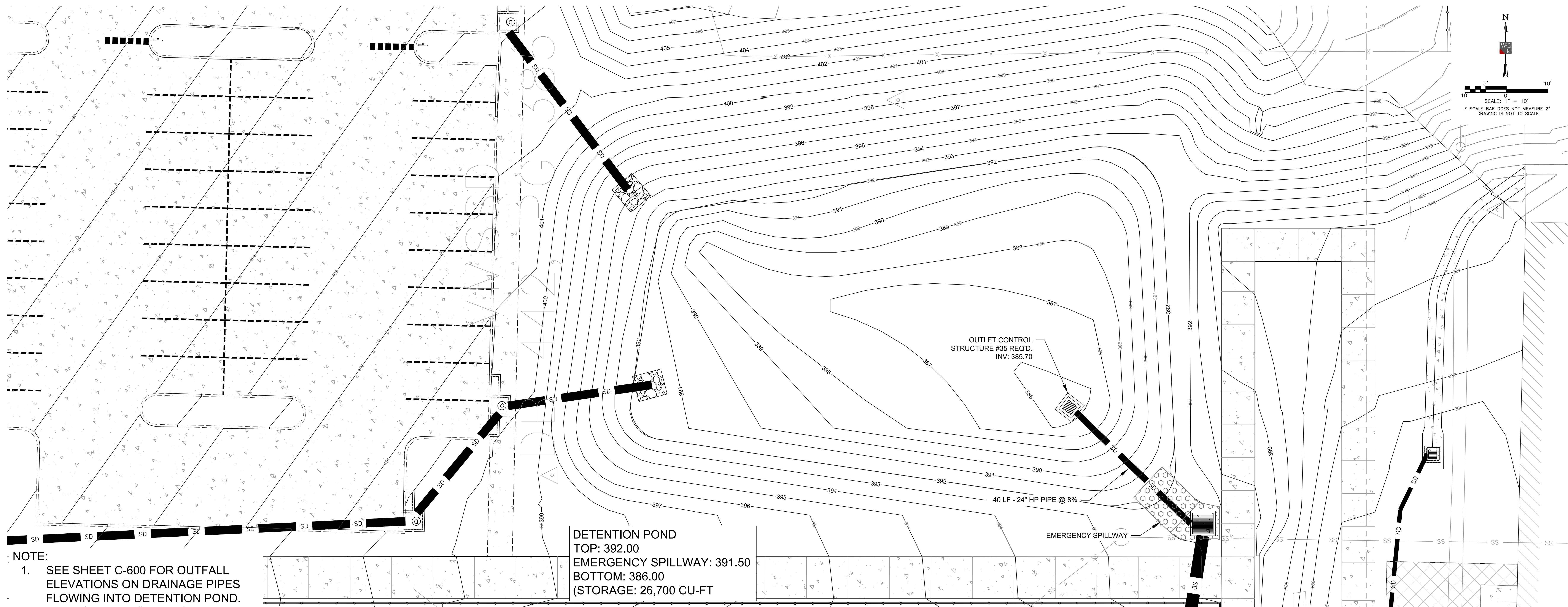
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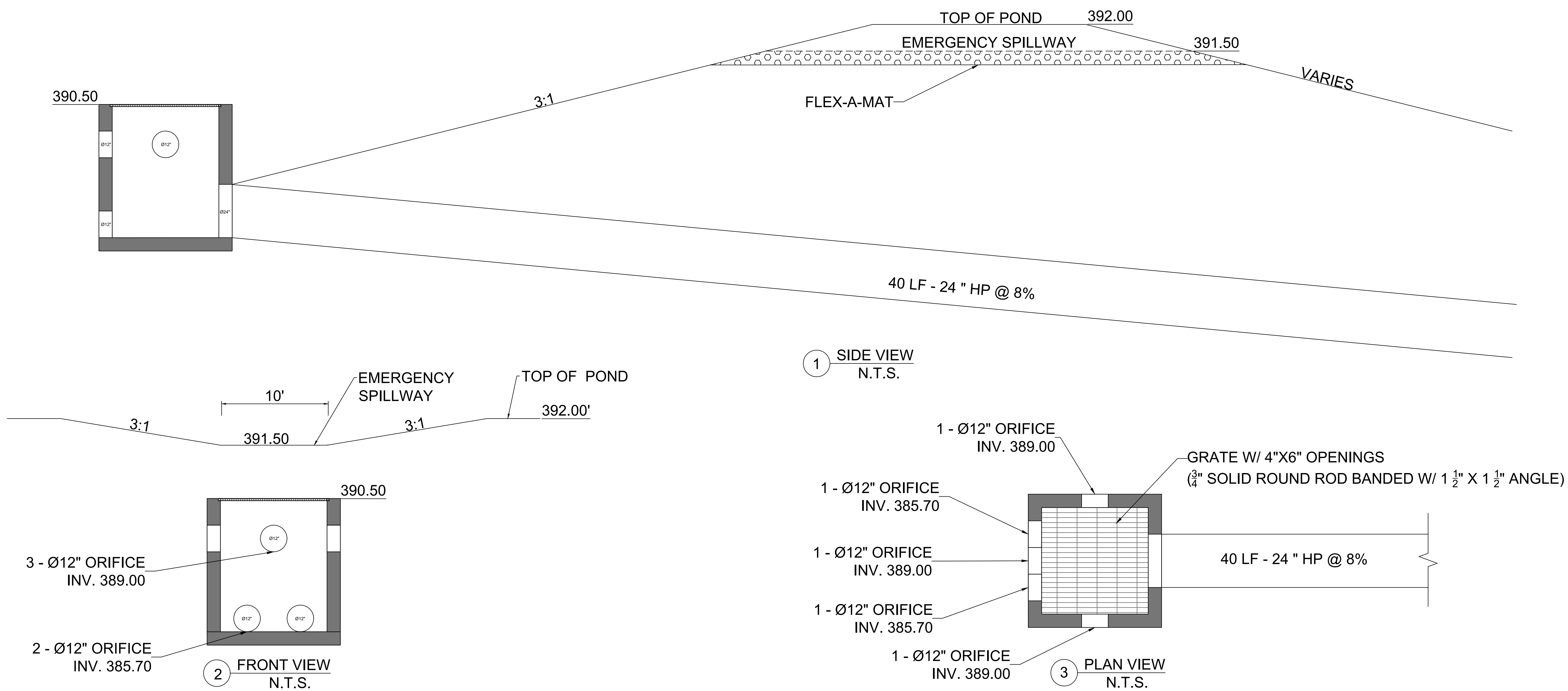
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C-603
Drainage Plan



NOTE:
1. SEE SHEET C-600 FOR OUTFALL ELEVATIONS ON DRAINAGE PIPES FLOWING INTO DETENTION POND.



Project No	22034-03
Date	08/10/2023
Revisions	Rev Date
Addendum #1	08/10/2023

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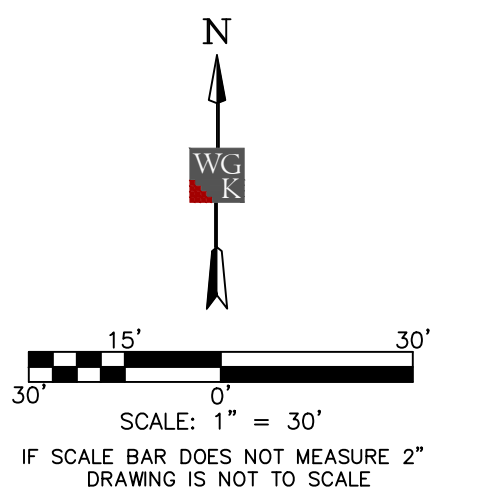
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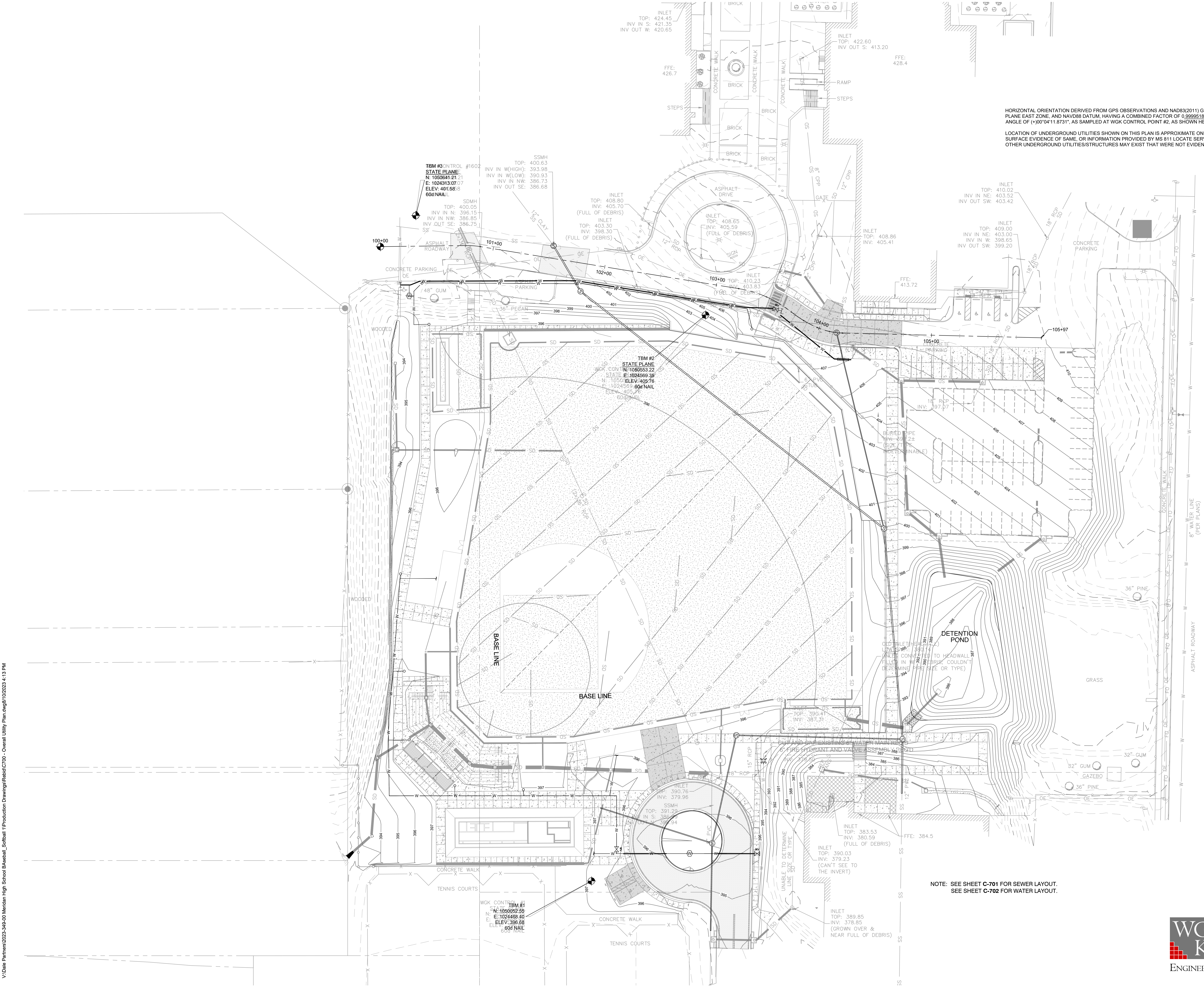
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NOTE: SEE SHEET C-701 FOR SEWER LAYOUT.
SEE SHEET C-702 FOR WATER LAYOUT.

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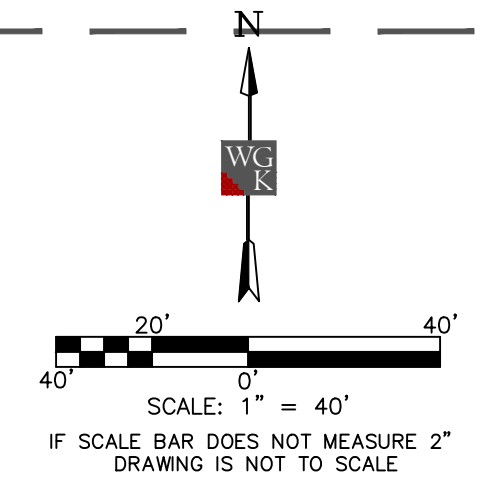
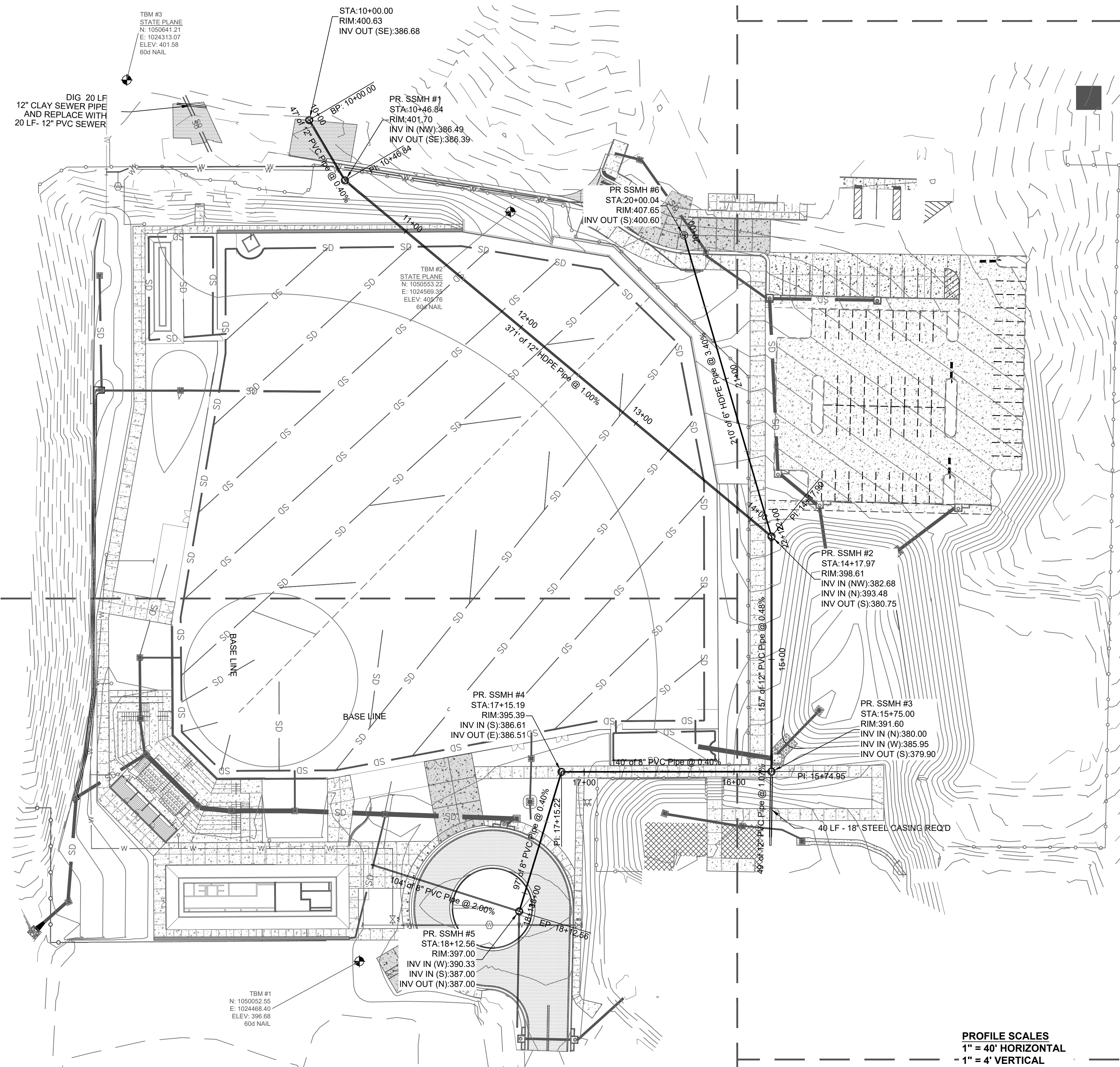
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NOTES:

1. CONTRACTOR option to bore or open cut all proposed HDPE sewer piping under proposed baseball field footprint and new service line to MH #6.
2. CONTRACTOR to field locate existing sewer service line and field verify invert in this area. CONTRACTOR to verify if there is conflict with proposed storm drain before ordering manhole based off found field elevations of existing sewer service line. CONTRACTOR to consult with engineer for final direction based off field elevations of sewer service.
3. CONTRACTOR required to CCTV and check slopes of all new proposed sewer lines installed. See specifications for requirements.
4. CONTRACTOR to not disrupt school or extracurricular activities with new water/sewer installations, connections, and/or switch overs.
5. CONTRACTOR responsible for any bypass pumping required to complete the necessary sewer work.

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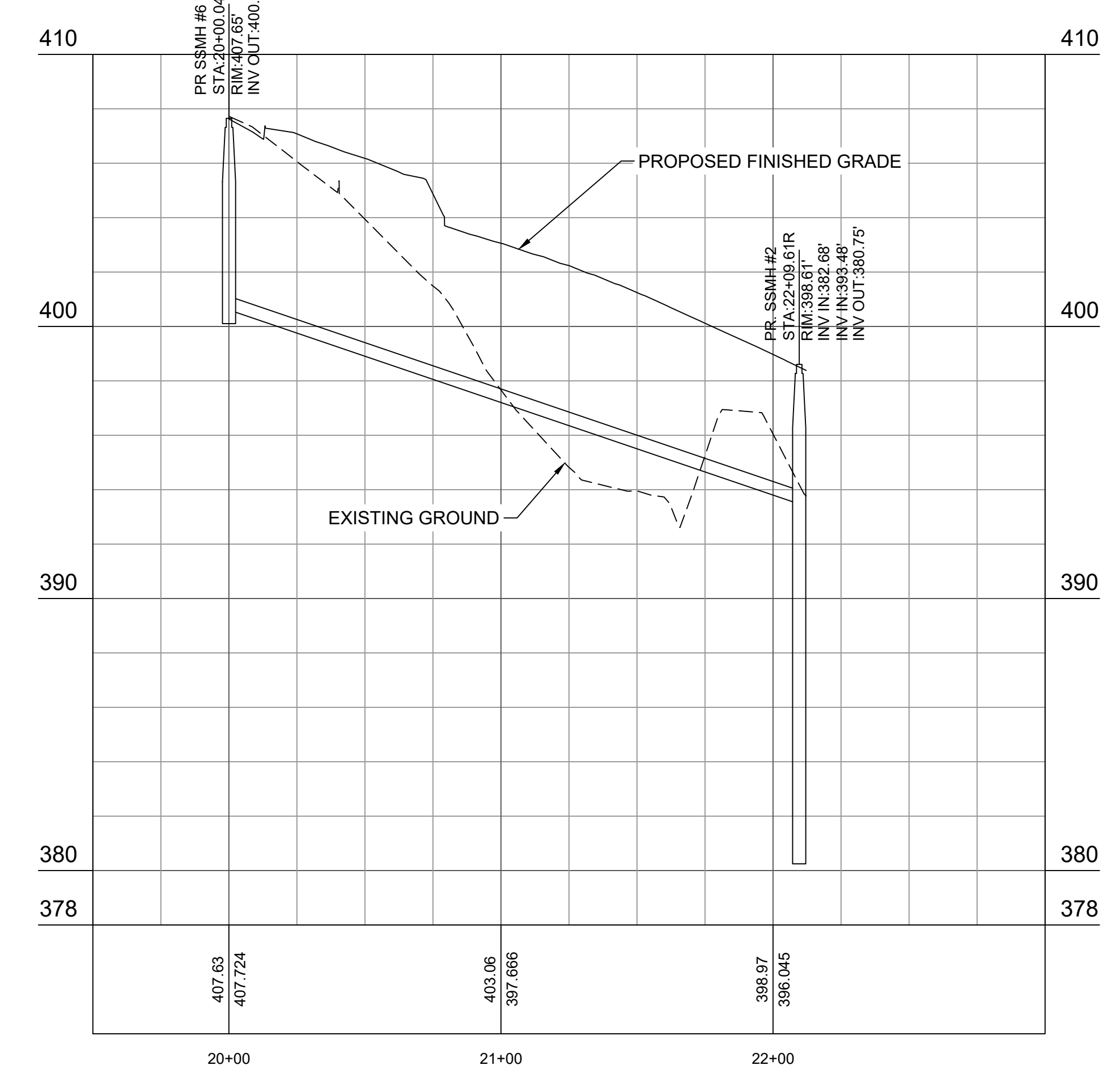
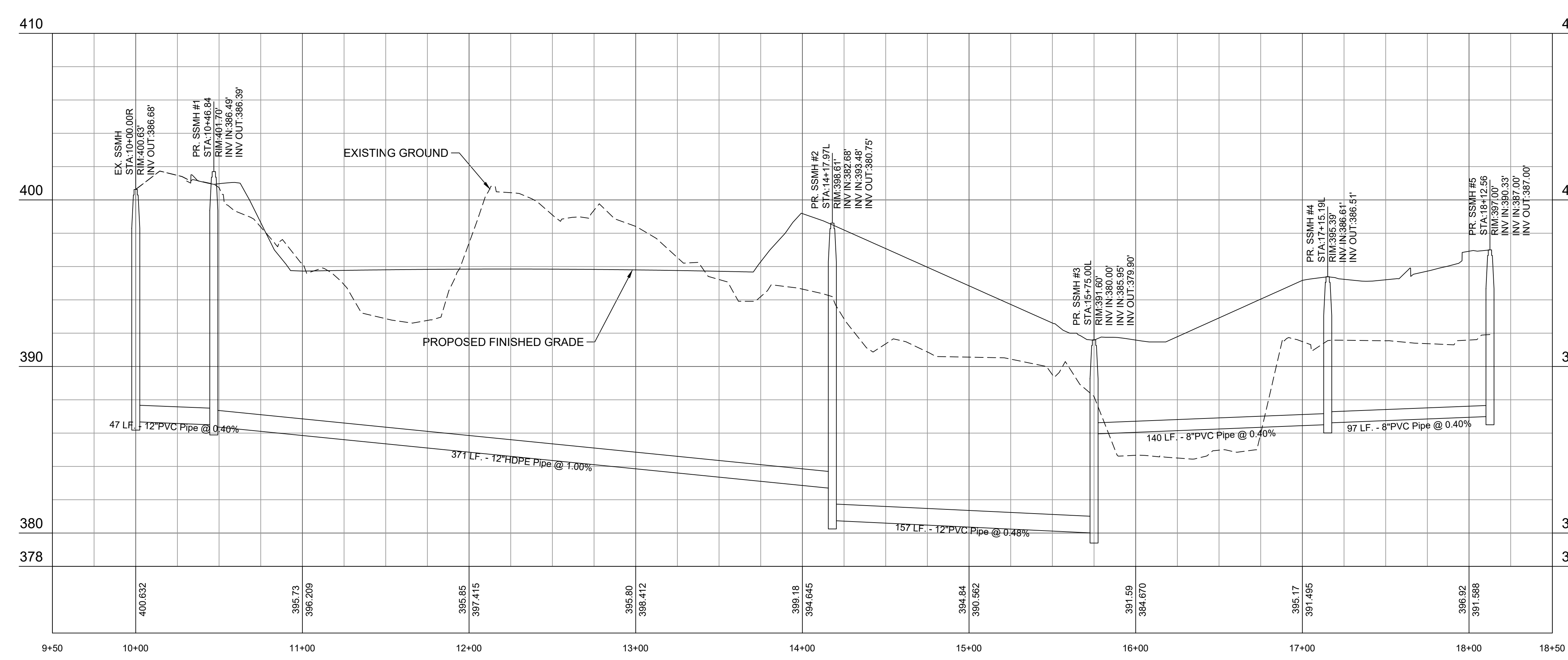


PROFILE SCALES
 1" = 40' HORIZONTAL
 1" = 4' VERTICAL

WGK
 ENGINEERS & SURVEYORS

204 West Leake Street
 Clinton, Mississippi 39056
 p. 601.925.4444

132 West Cherokee Street
 Brookhaven, Mississippi 39601
 p. 601.833.9598



V:\Date Partners\2025-349-00 Meridian High School Baseball_So\Sub 1\Production Drawings\Sheet\0701-704 - Sewer Plan and Profile.dwg 8/10/23 4:14 PM

Architects

One Jackson Place 250
 188 East Capitol Street
 Jackson, MS 39201
 p 601.352.5411

201 Park Court Suite B
 Ridgeland, MS 39157
 p 601.790.9432

161 Lameux St. Suite 201
 Biloxi, MS 39530
 p 228.374.1409

dalebaileyplans.com



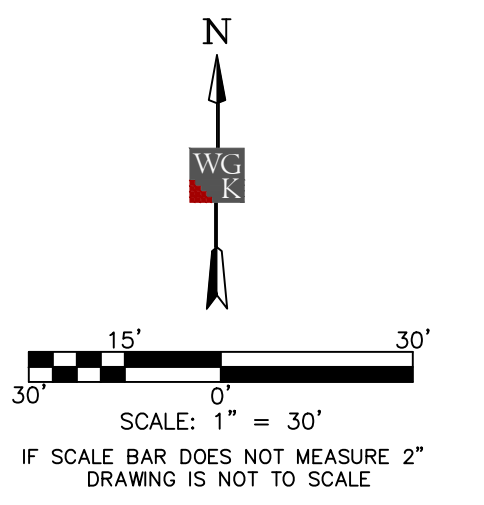
**Meridian High School
 Baseball/Softball Re-Bid**
 2320 32nd St, Meridian, MS 39305

Construction Documents

Project No	22034-03
Date	8/10/23
Revisions	Rev Date
Addendum #1	8/10/23

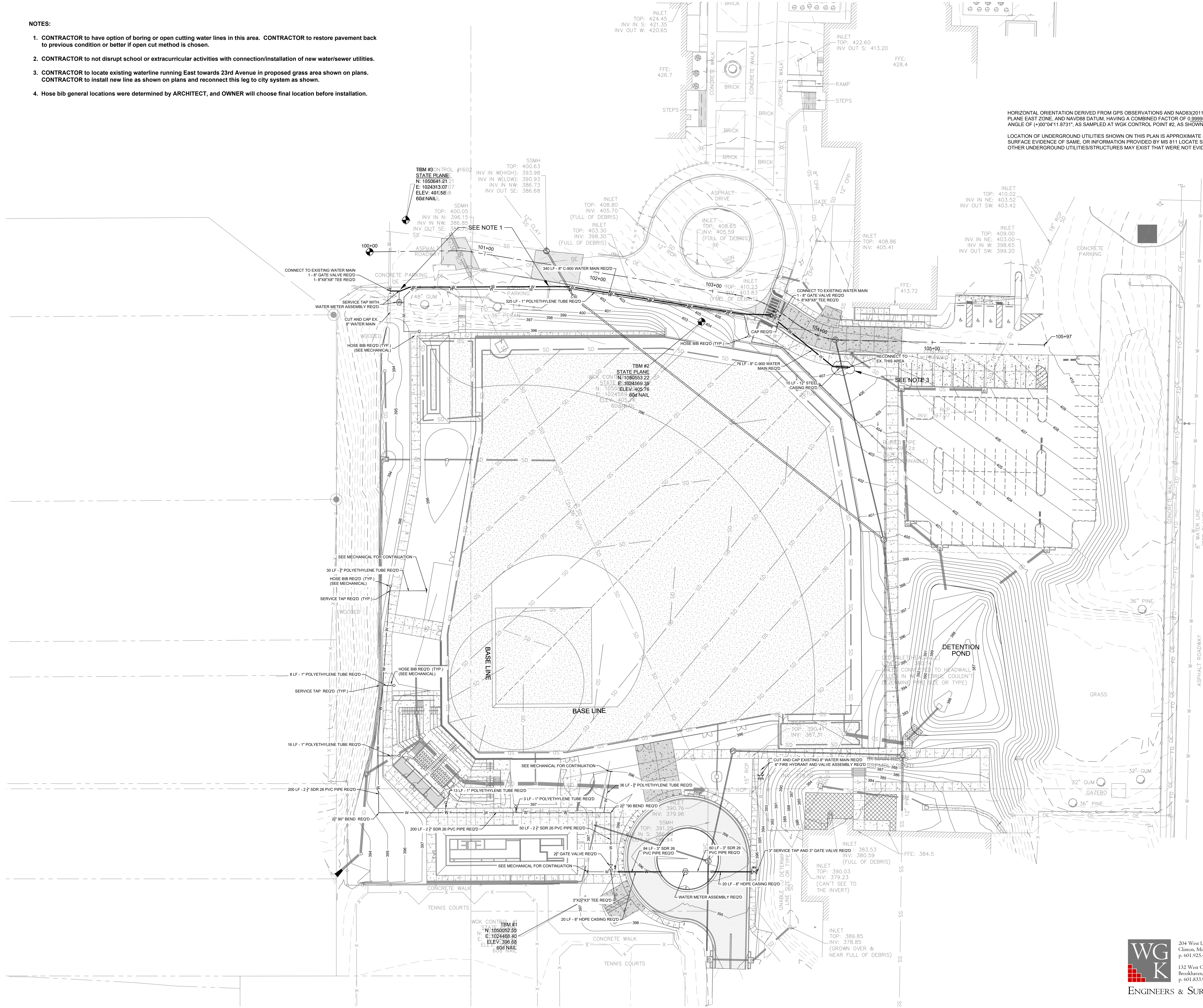
NOTES:

1. CONTRACTOR to have option of boring or open cutting water lines in this area. CONTRACTOR to restore pavement back to previous condition or better if open cut method is chosen.
2. CONTRACTOR to not disrupt school or extracurricular activities with connection/installation of new water/sewer utilities.
3. CONTRACTOR to locate existing waterline running East towards 23rd Avenue in proposed grass area shown on plans. CONTRACTOR to install new line as shown on plans and reconnect this leg to city system as shown.
4. Hose bib general locations were determined by ARCHITECT, and OWNER will choose final location before installation.



HORIZONTAL ORIENTATION DERIVED FROM GPS OBSERVATIONS AND NAD83(2011) GRID DATA, MISSISSIPPI STATE PLANE EAST ZONE, AND NAVD88 DATUM, HAVING A COMBINED FACTOR OF 0.99995188 AND A CONVERGENCE ANGLE OF (+00'04\"/>

LOCATION OF UNDERGROUND UTILITIES SHOWN ON THIS PLAN IS APPROXIMATE ONLY, AND IS BASED ON SURFACE EVIDENCE OF SAME, OR INFORMATION PROVIDED BY MS 811 LOCATE SERVICES AND THE SCHOOL. OTHER UNDERGROUND UTILITIES/STRUCTURES MAY EXIST THAT WERE NOT EVIDENT TO SURVEYOR.



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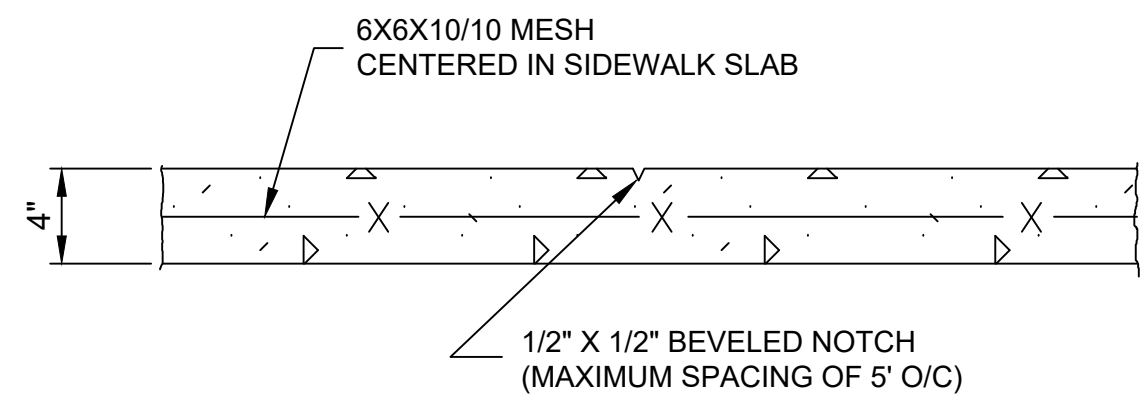
**Meridian High School
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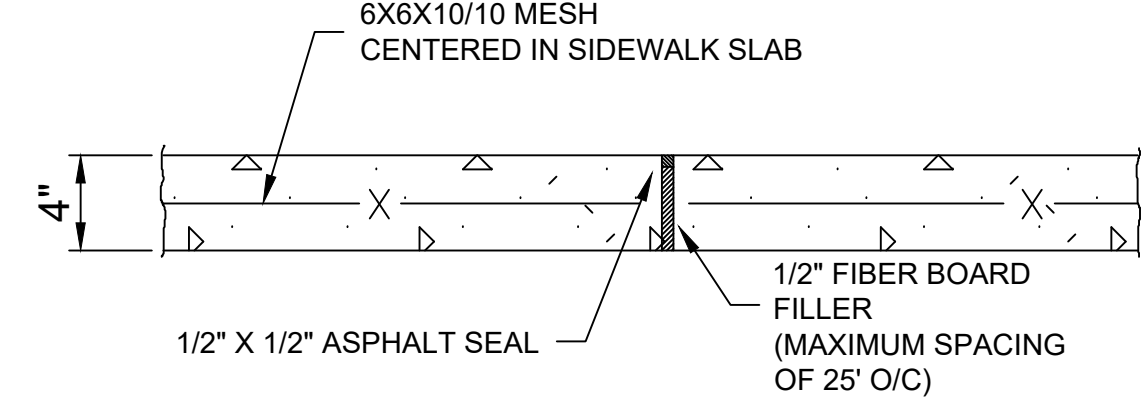
V:\Data Partners\2023-24-09-20 Meridian High School Baseball_Softball_1\Production Drawings\Rebid\C700 - Overall Utility Plan.dwg 8/10/2023 4:14 PM

NOTE: SEE LADNER GEOTECH REPORT G-1277J/050-22-A FOR SIDEWALK THICKNESS & SUBGRADE/SUBBASE REQUIREMENTS



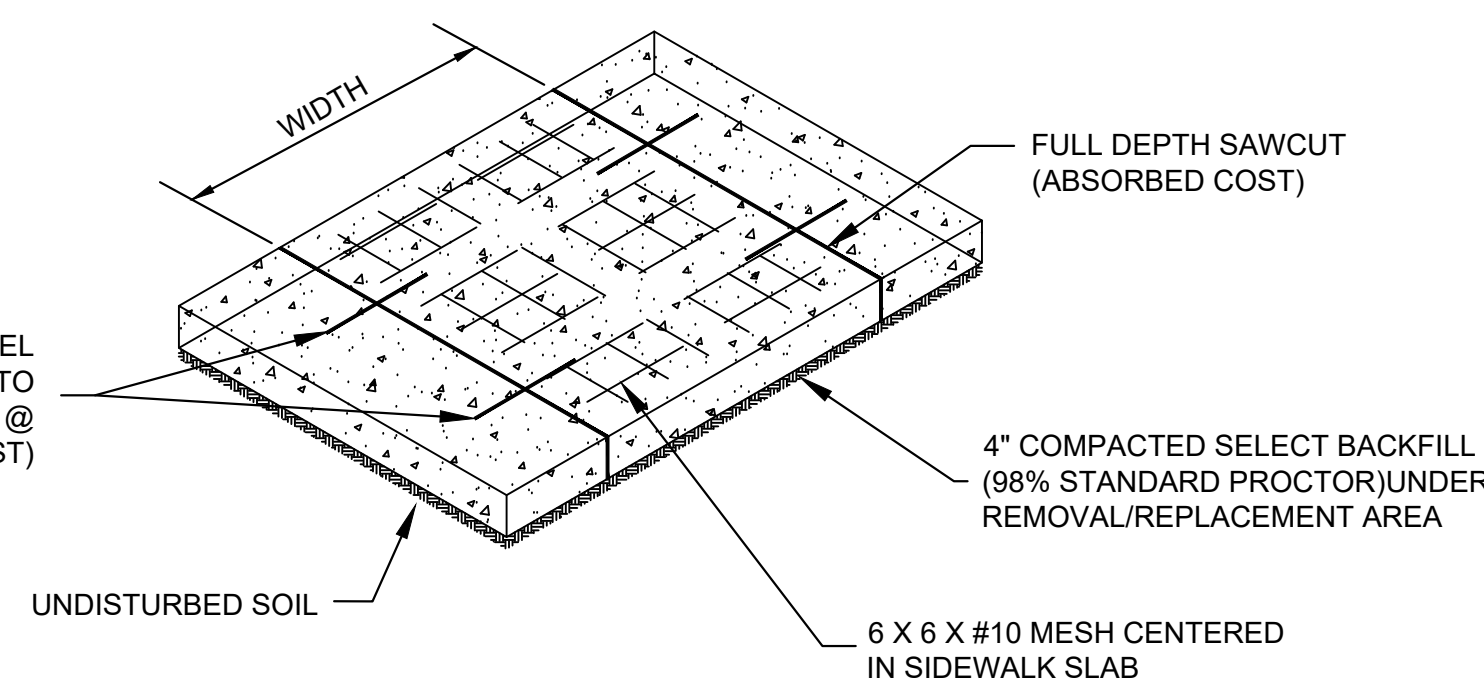
1 TYPICAL SIDEWALK CONSTRUCTION JOINT
N.T.S.

NOTE: SEE LADNER GEOTECH REPORT G-1277J/050-22-A FOR SIDEWALK THICKNESS & SUBGRADE/SUBBASE REQUIREMENTS

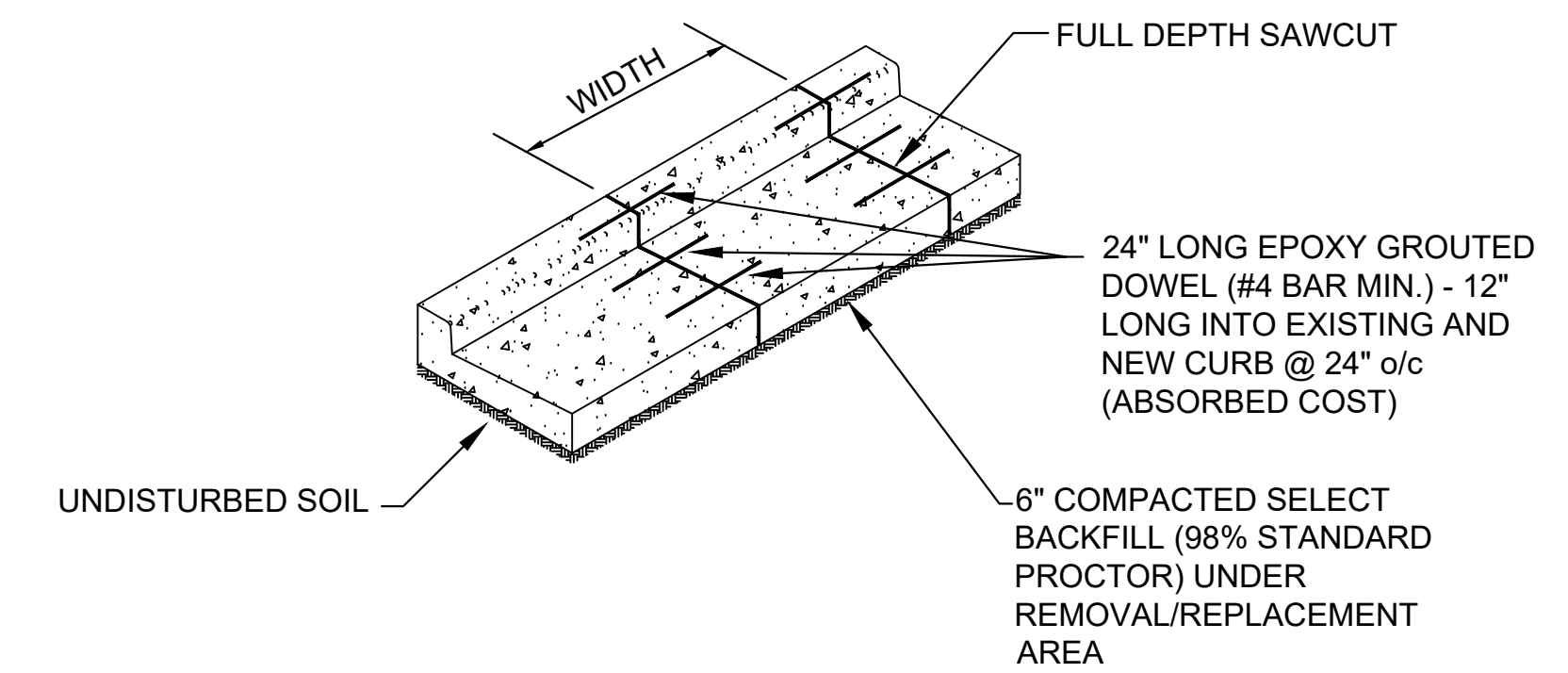


2 TYPICAL SIDEWALK EXPANSION JOINT
N.T.S.

24" LONG EPOXY GROUTED DOWEL (#4 BAR MIN.) - 12" LONG INTO EXISTING AND NEW SIDEWALK @ 24" o/c (ABSORBED COST)

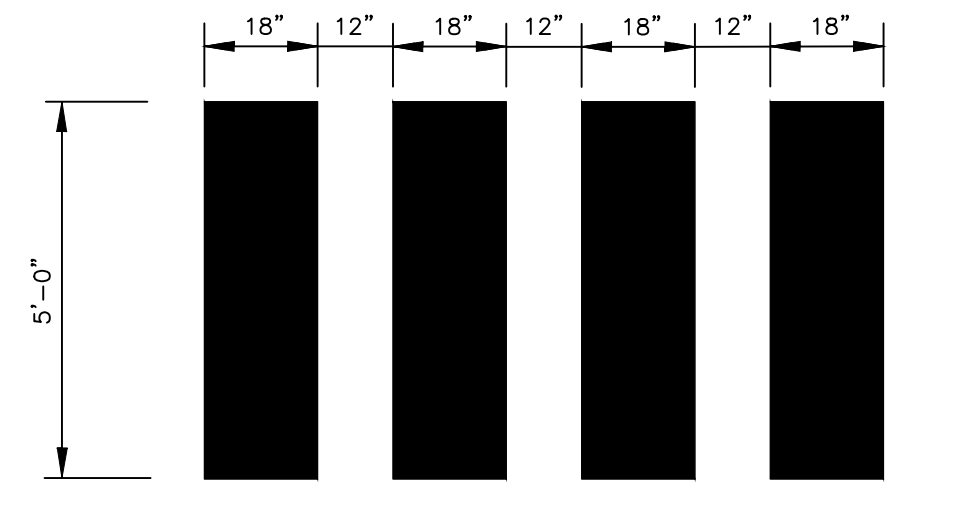


3 TIE-IN TO EX. CONC. SIDEWALK
N.T.S.

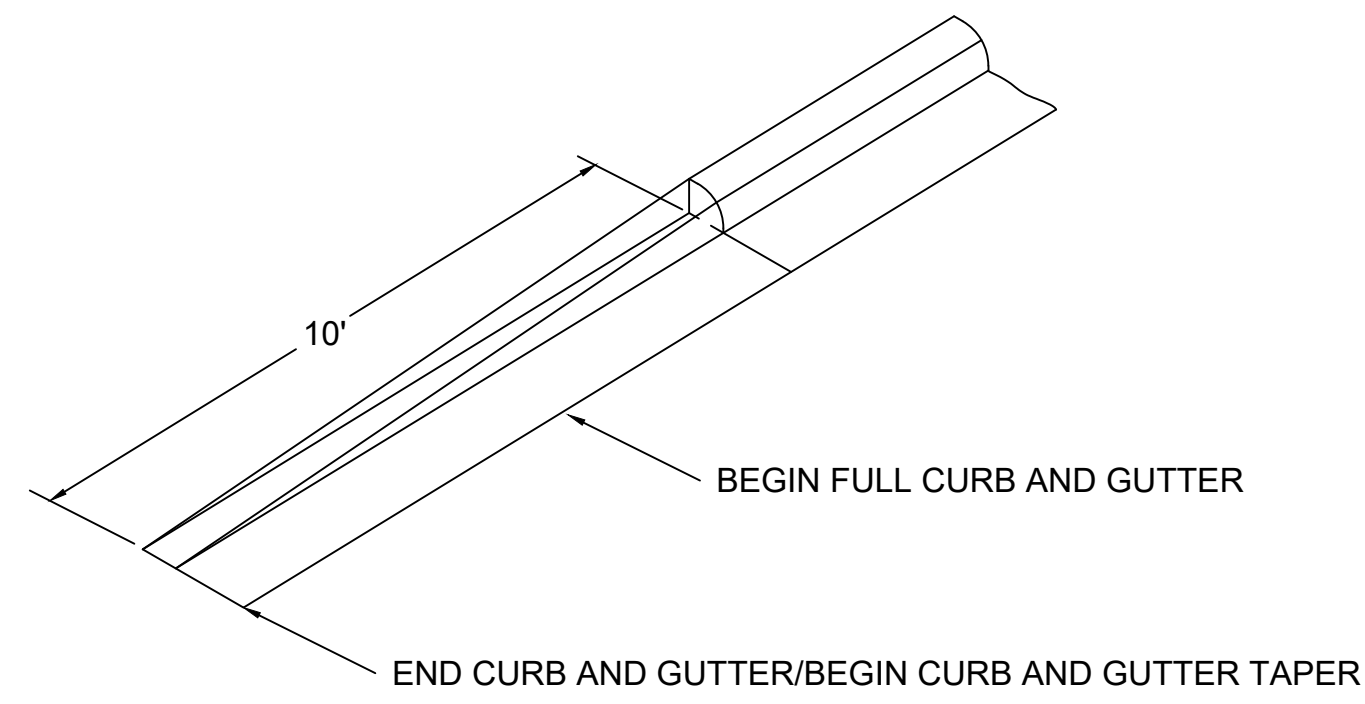


4 TIE-IN TO EX. CONC. CURB & GUTTER
N.T.S.

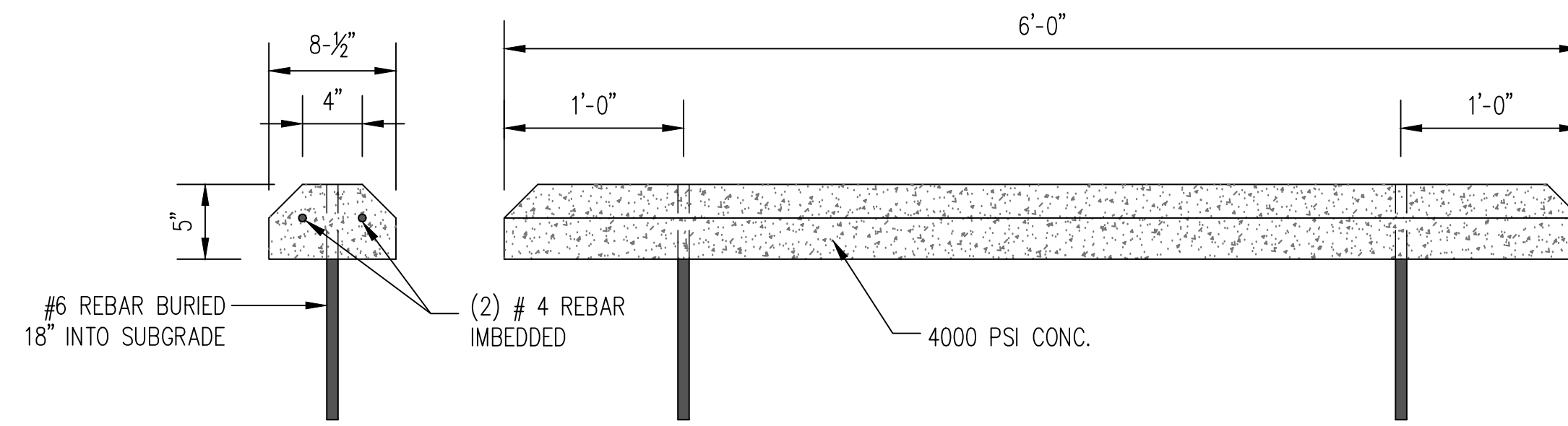
NOTE: CONSTRUCTION JOINTS FOR CURB 10' O/C AND EXPANSION JOINTS EVERY 50' O/C AND AT RADIUS POINTS



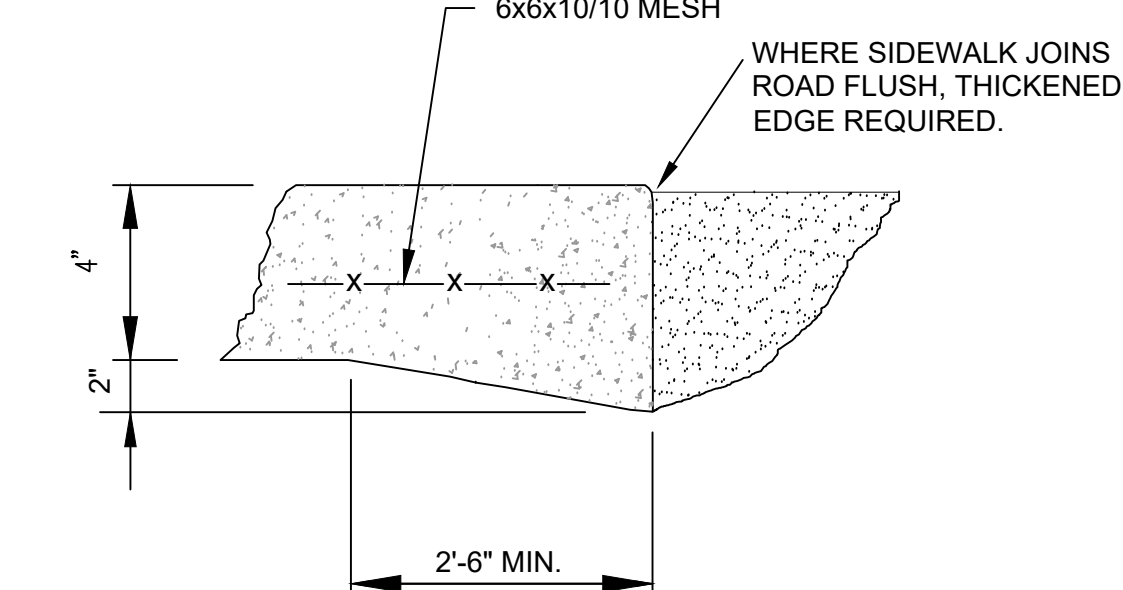
5 TYP. CROSSWALK DETAIL
N.T.S.



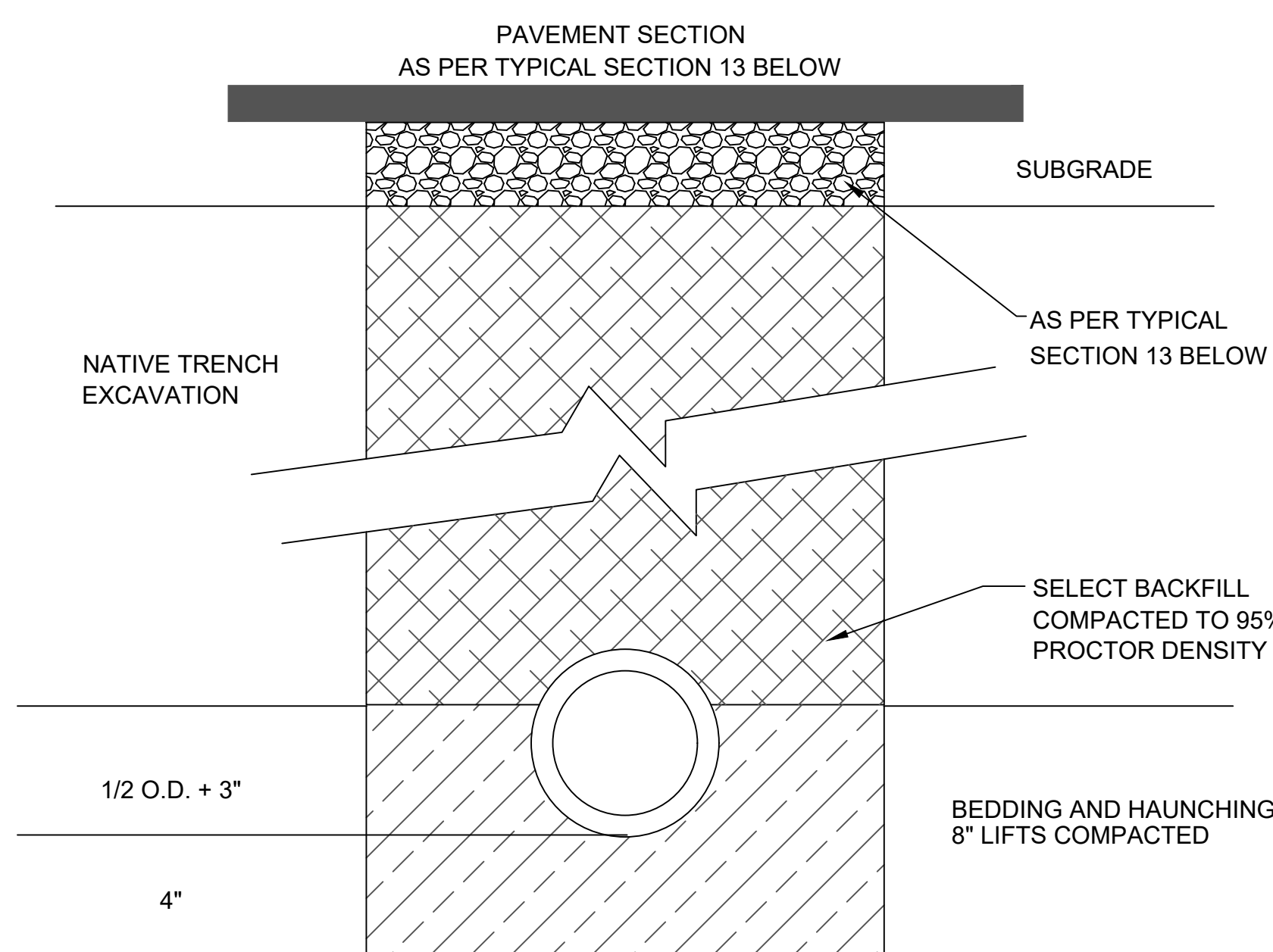
6 CURB & GUTTER TAPER
N.T.S.



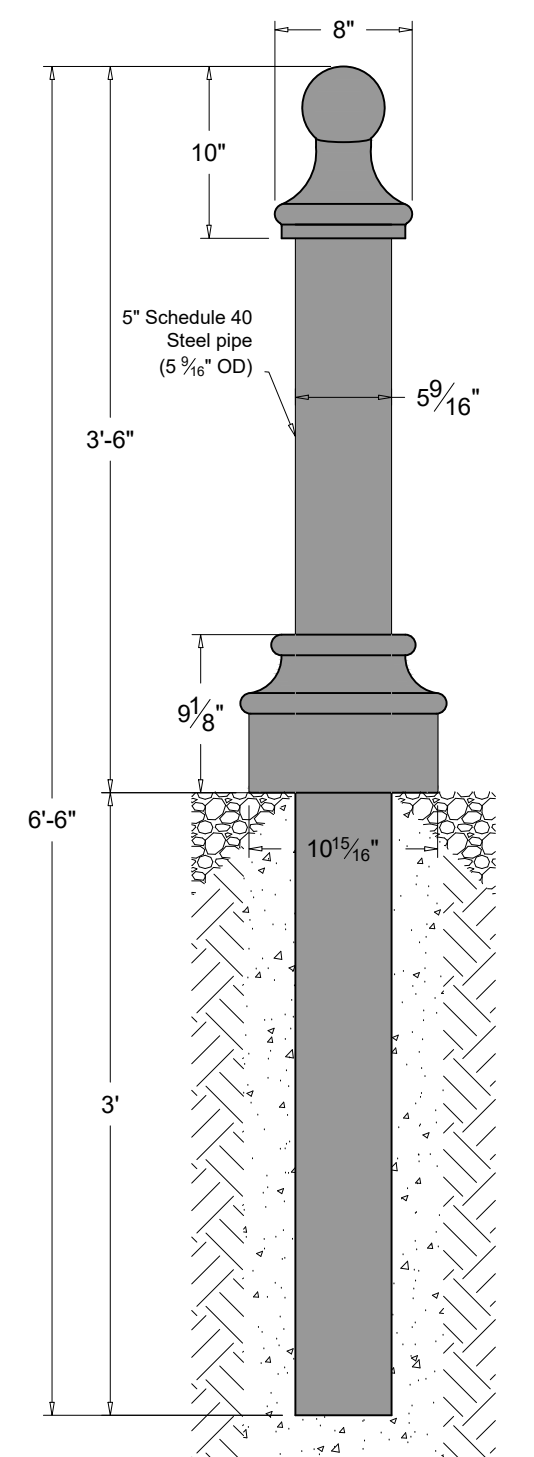
7 PARKING BUMPER DETAIL
N.T.S.



8 CONCRETE SW THICKENED EDGE
N.T.S.

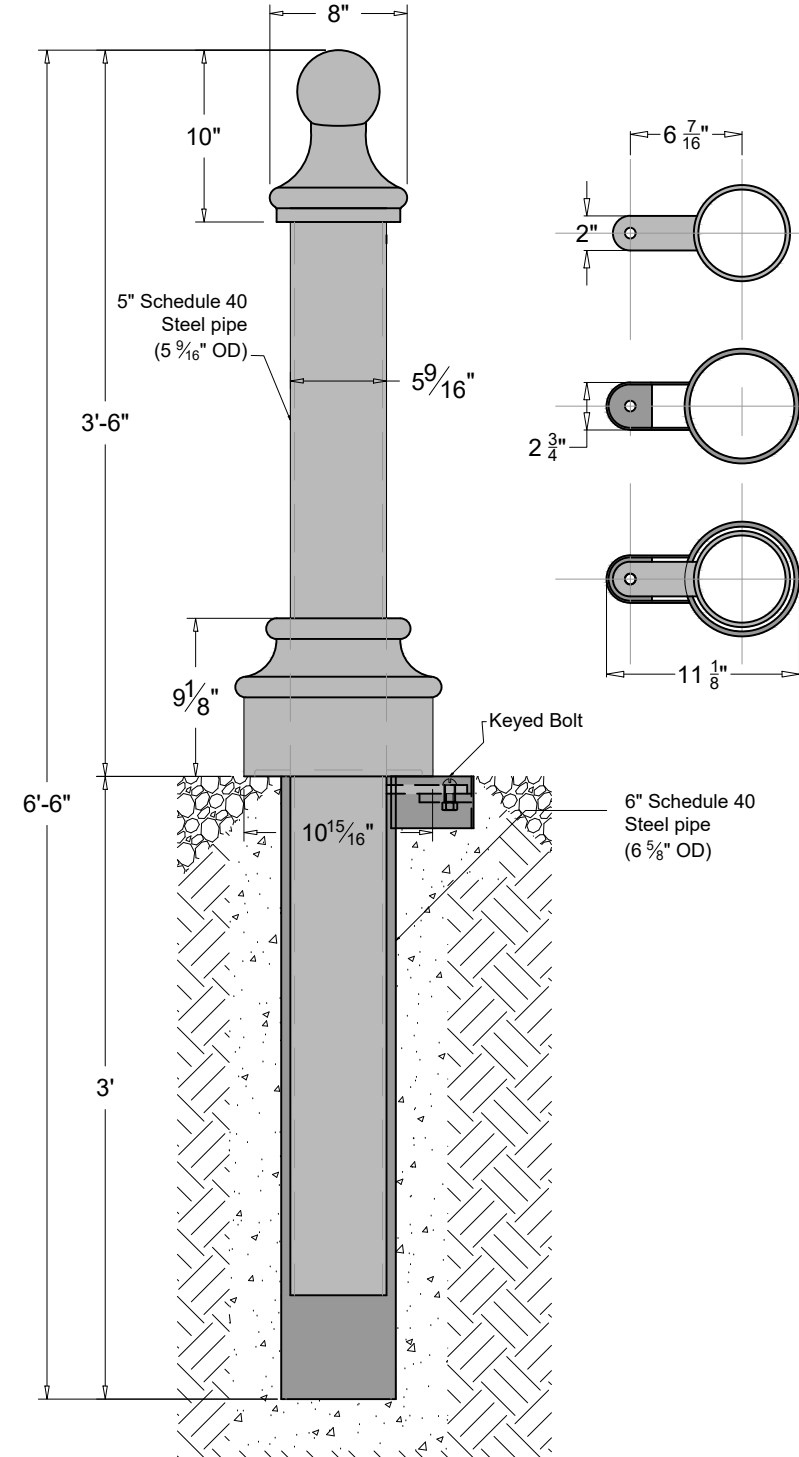


9 TYPICAL STREET REPAIR
N.T.S.



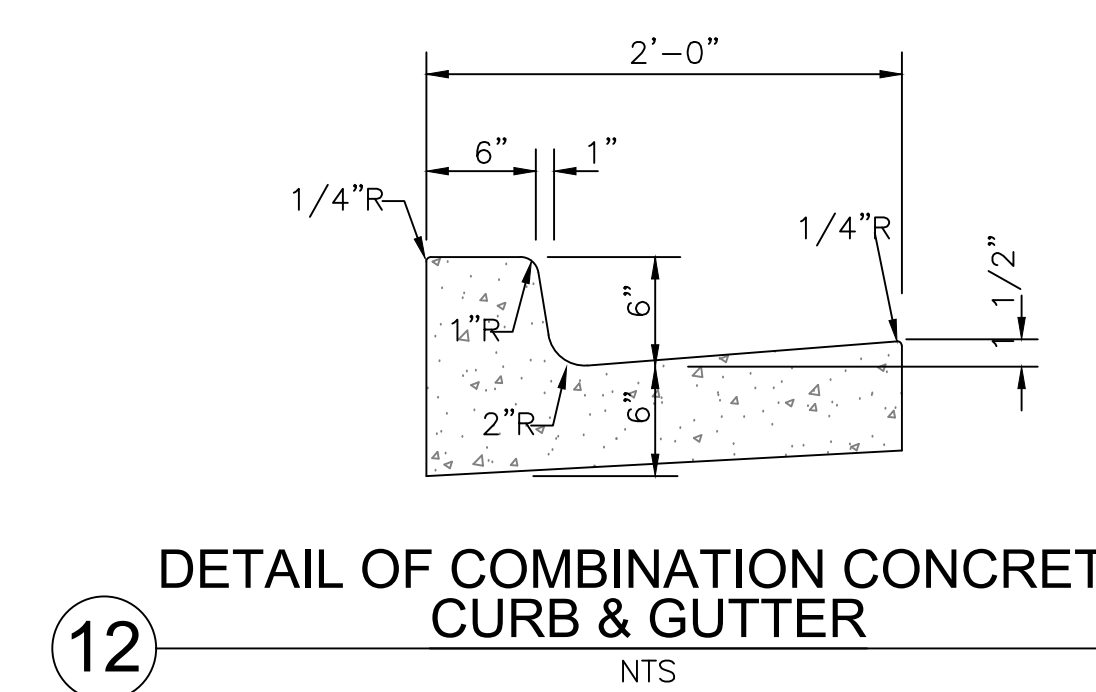
10 TYPICAL BOLLARD DETAIL
N.T.S.

BOLLARDS SHALL BE "HAMPTON 'B' - SMOOTH SHAFT - DIRECT BURIAL" BY ARCHITECTURAL IRON COMPANY, OR APPROVED EQUAL. INSTALL AS PER MANUFACTURERS' RECOMMENDATIONS.

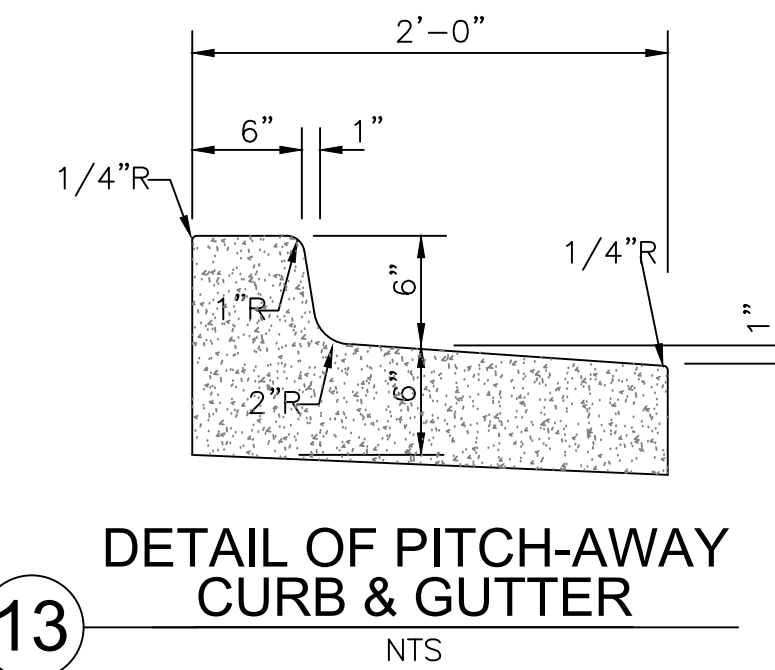


11 REMOVEABLE BOLLARD DETAIL
N.T.S.

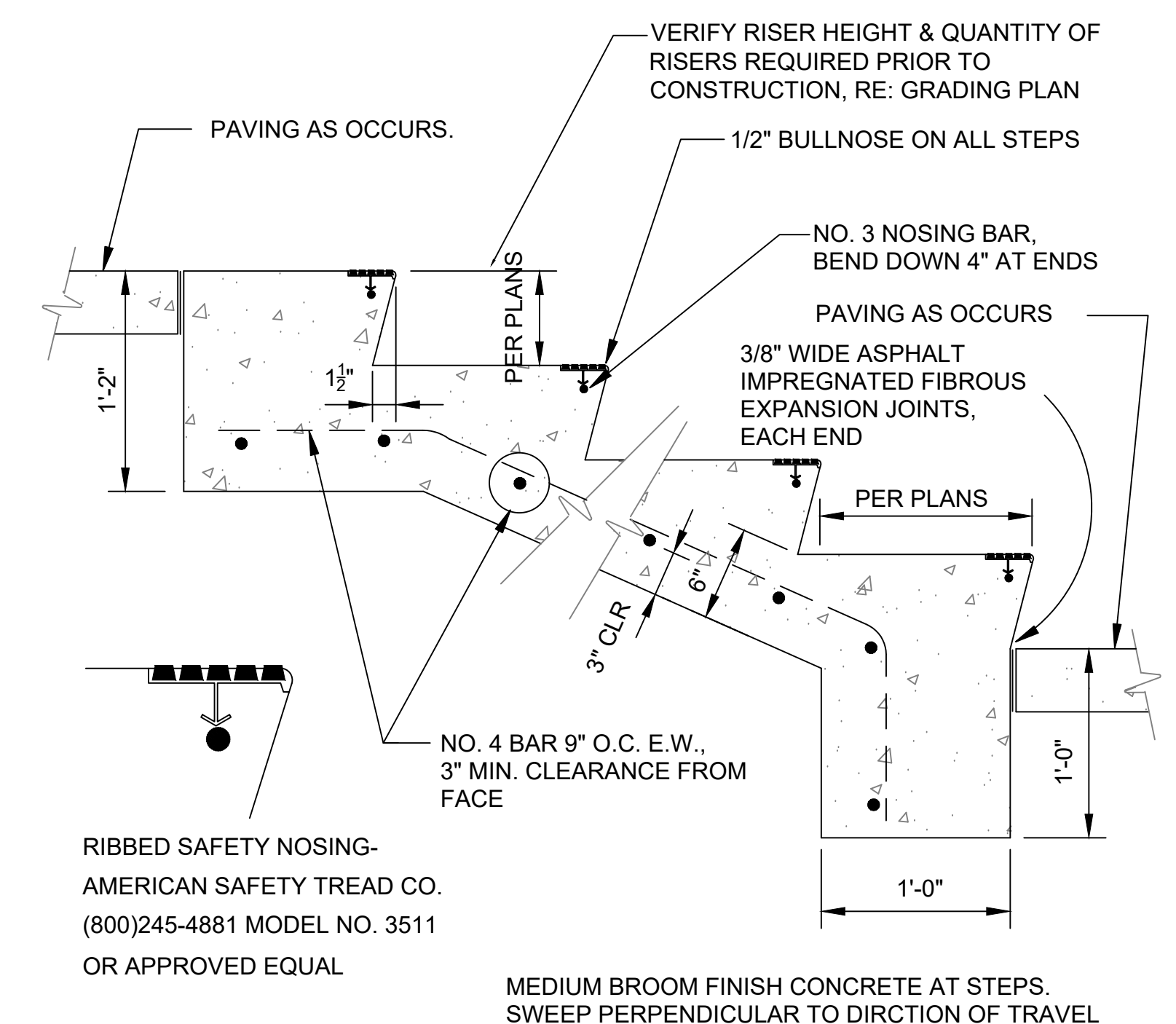
BOLLARDS SHALL BE "HAMPTON 'B' - SMOOTH SHAFT - REMOVEABLE/LOCKABLE" BY ARCHITECTURAL IRON COMPANY, OR APPROVED EQUAL. INSTALL AS PER MANUFACTURERS' RECOMMENDATIONS.



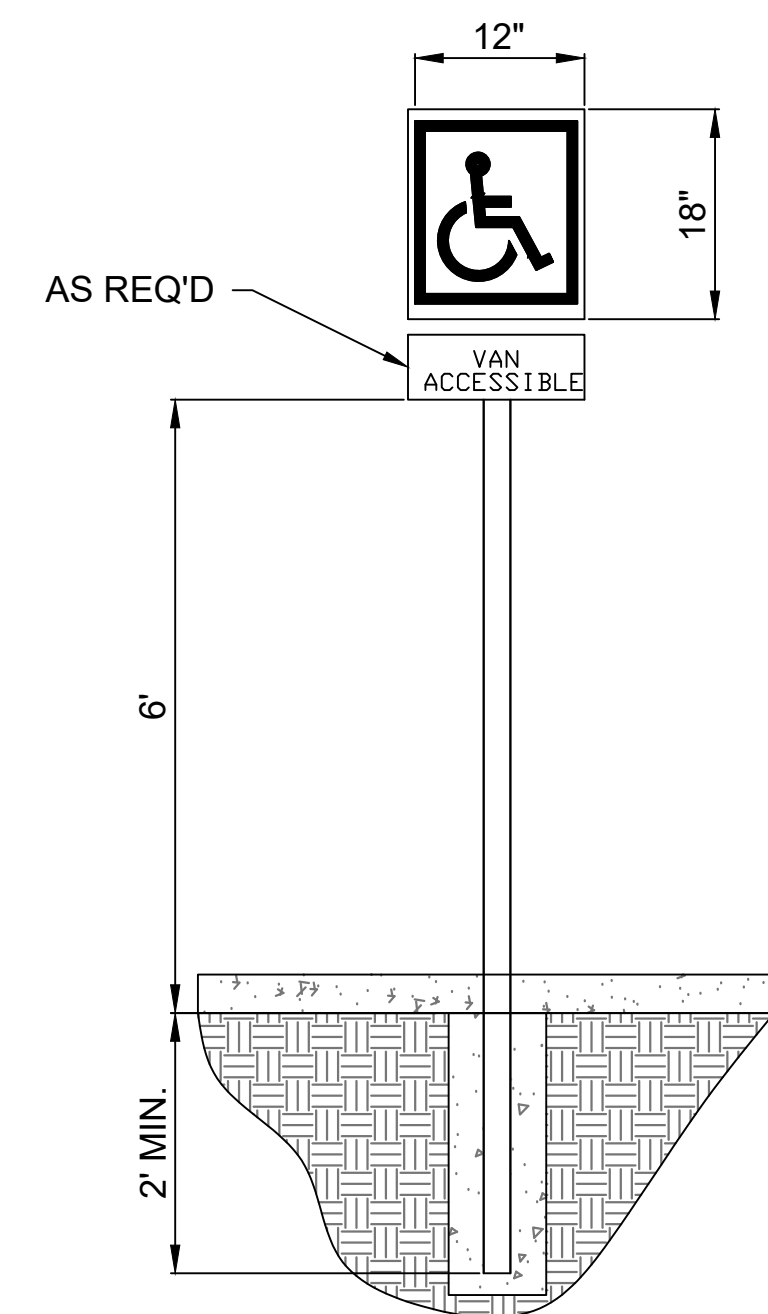
12 DETAIL OF COMBINATION CONCRETE CURB & GUTTER
N.T.S.



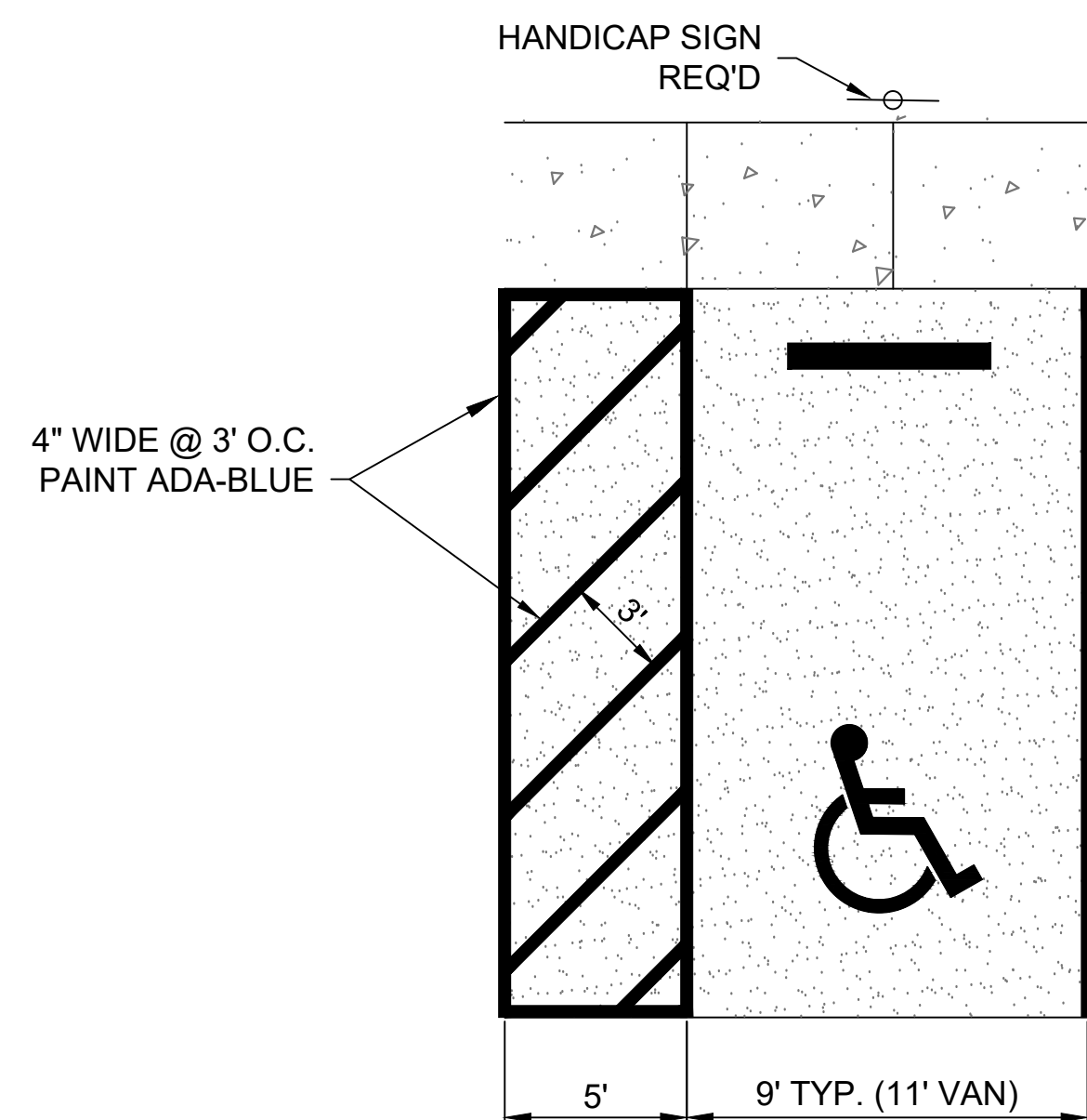
13 DETAIL OF PITCH-AWAY CURB & GUTTER
N.T.S.



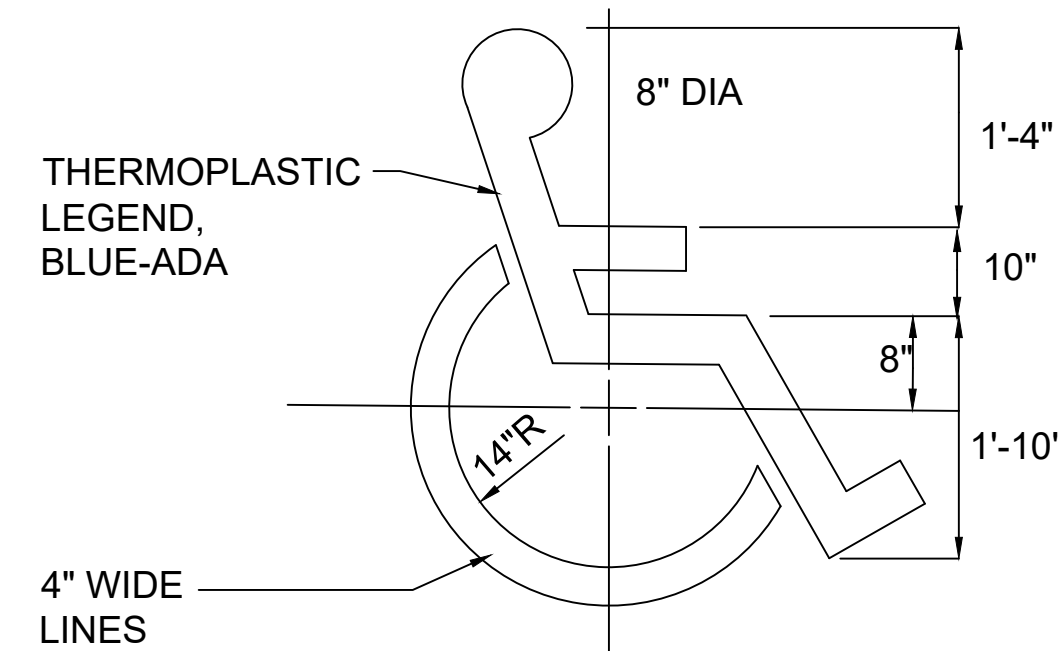
15 CONCRETE STAIRS
N.T.S.



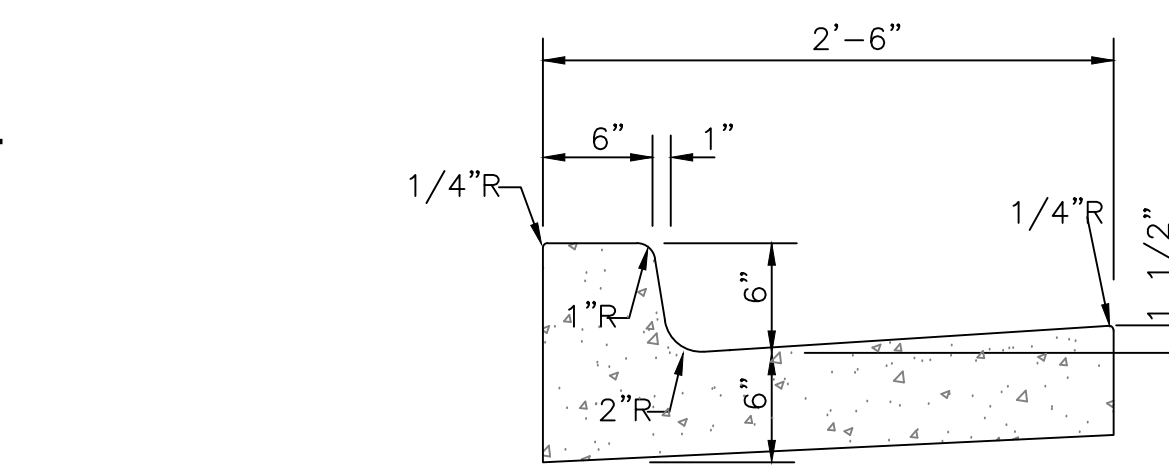
16 H/C ACCESSIBILITY SIGNAGE DETAIL
N.T.S.



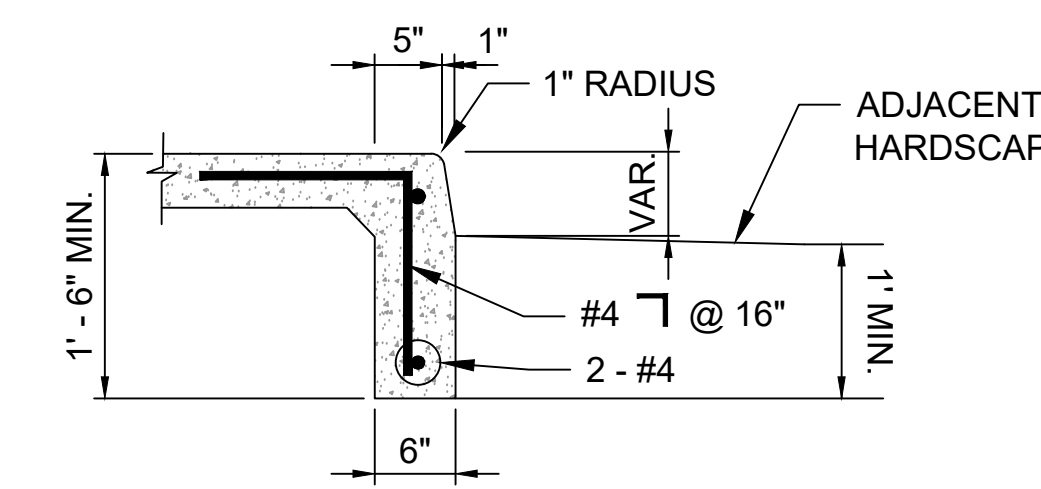
17 HANDICAP PARKING DETAIL
N.T.S.



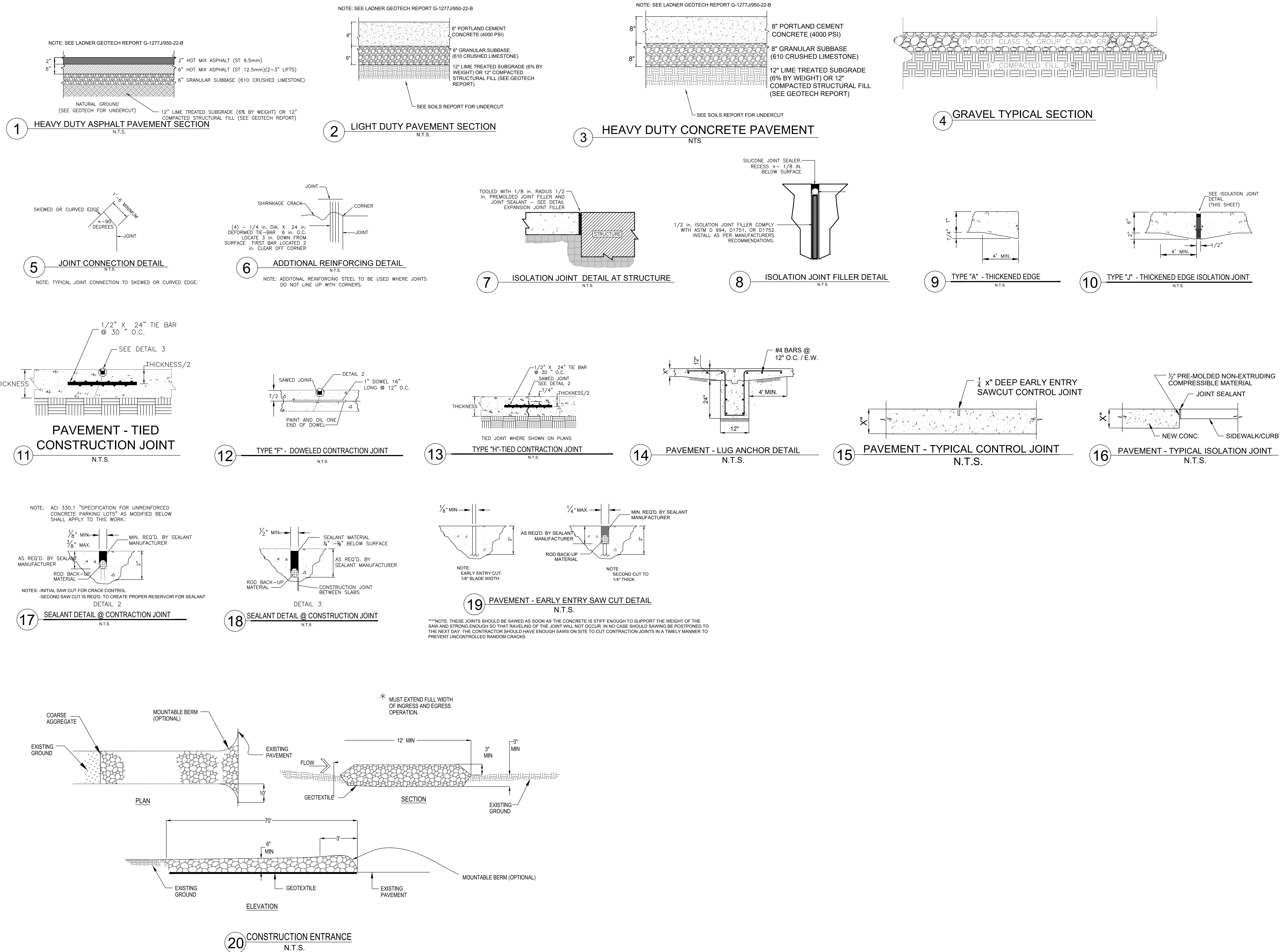
18 HANDICAP SYMBOL
N.T.S.



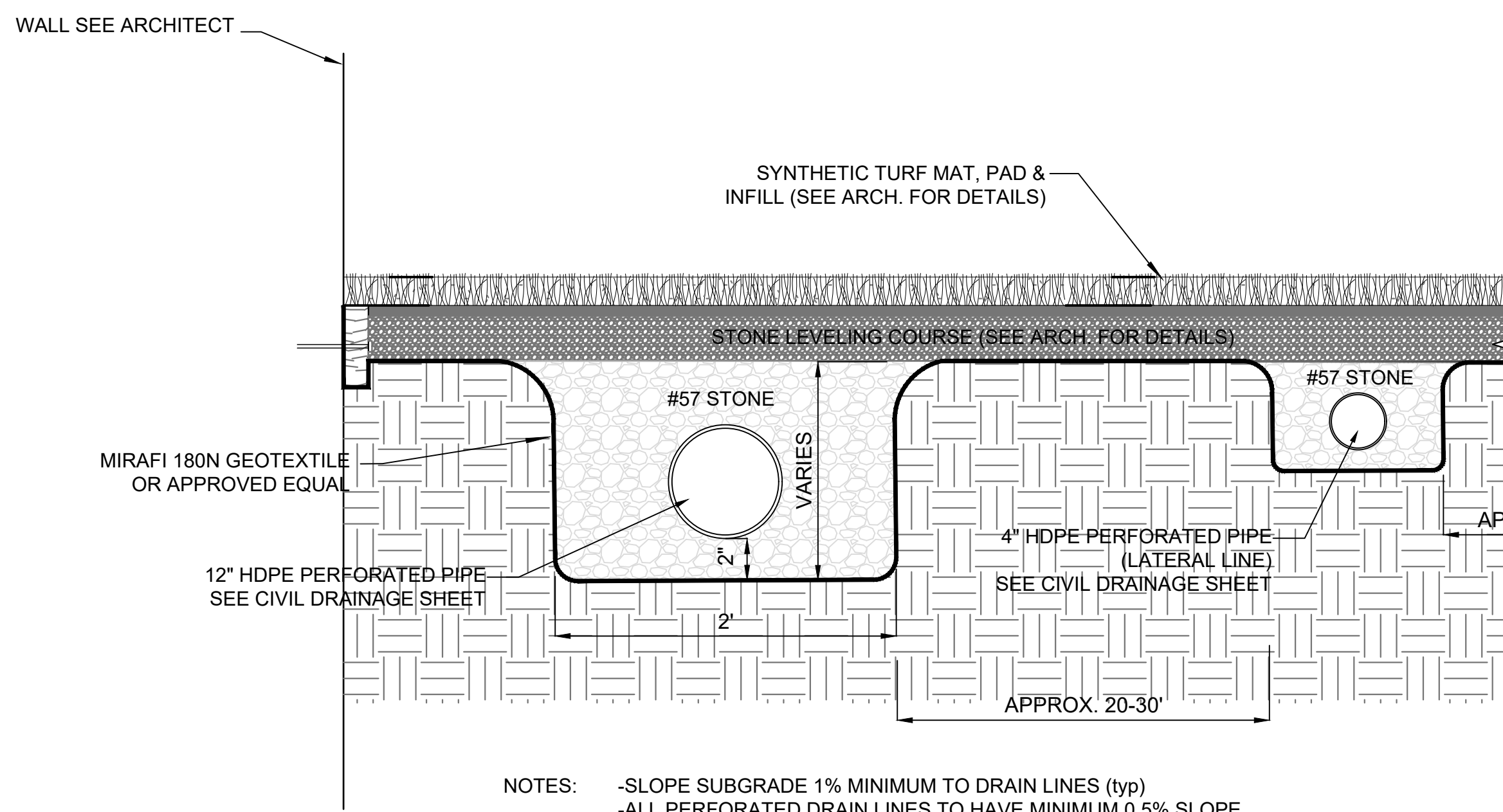
14 DETAIL OF COMBINATION CONCRETE CURB & GUTTER (MODIFIED)
N.T.S.



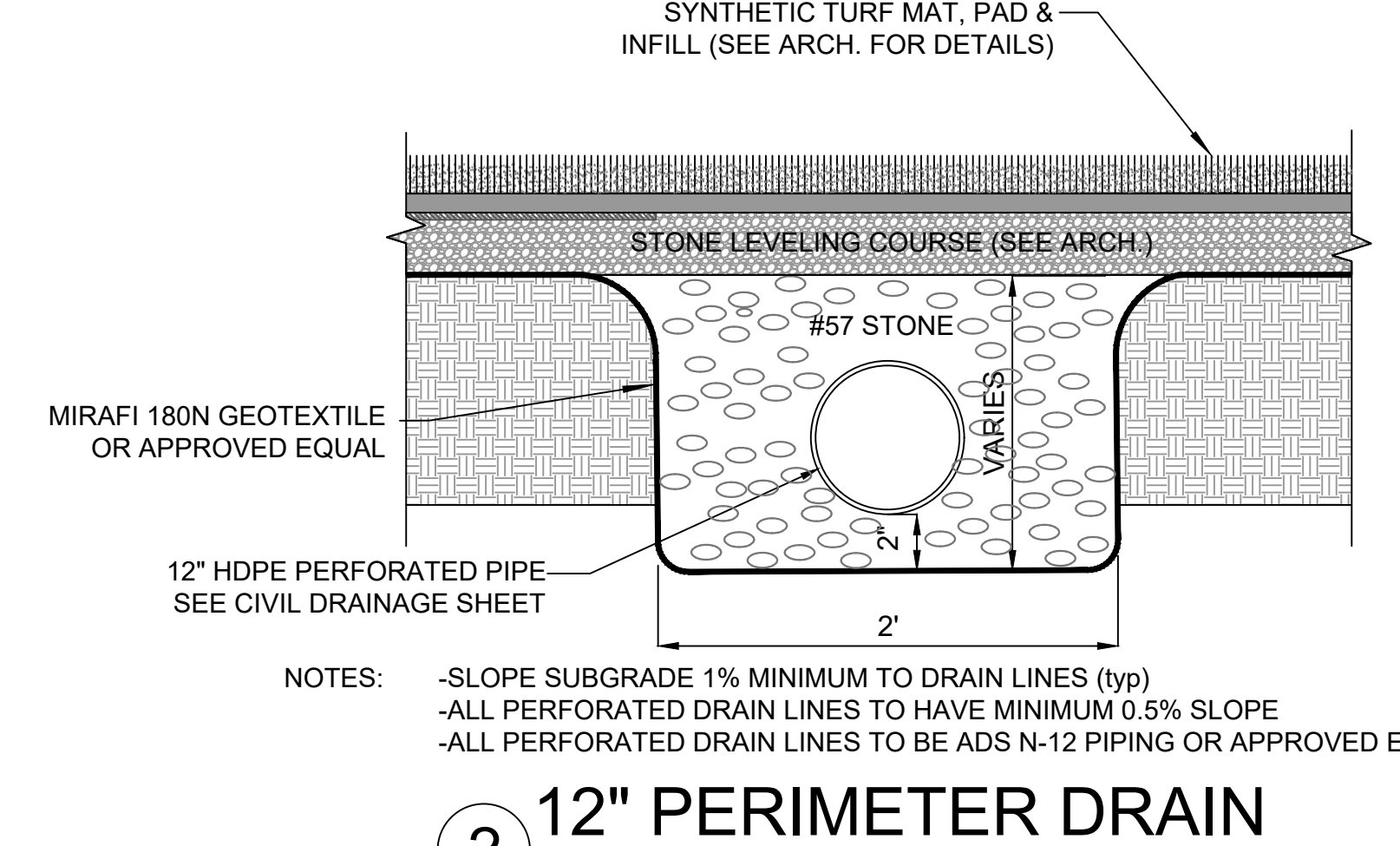
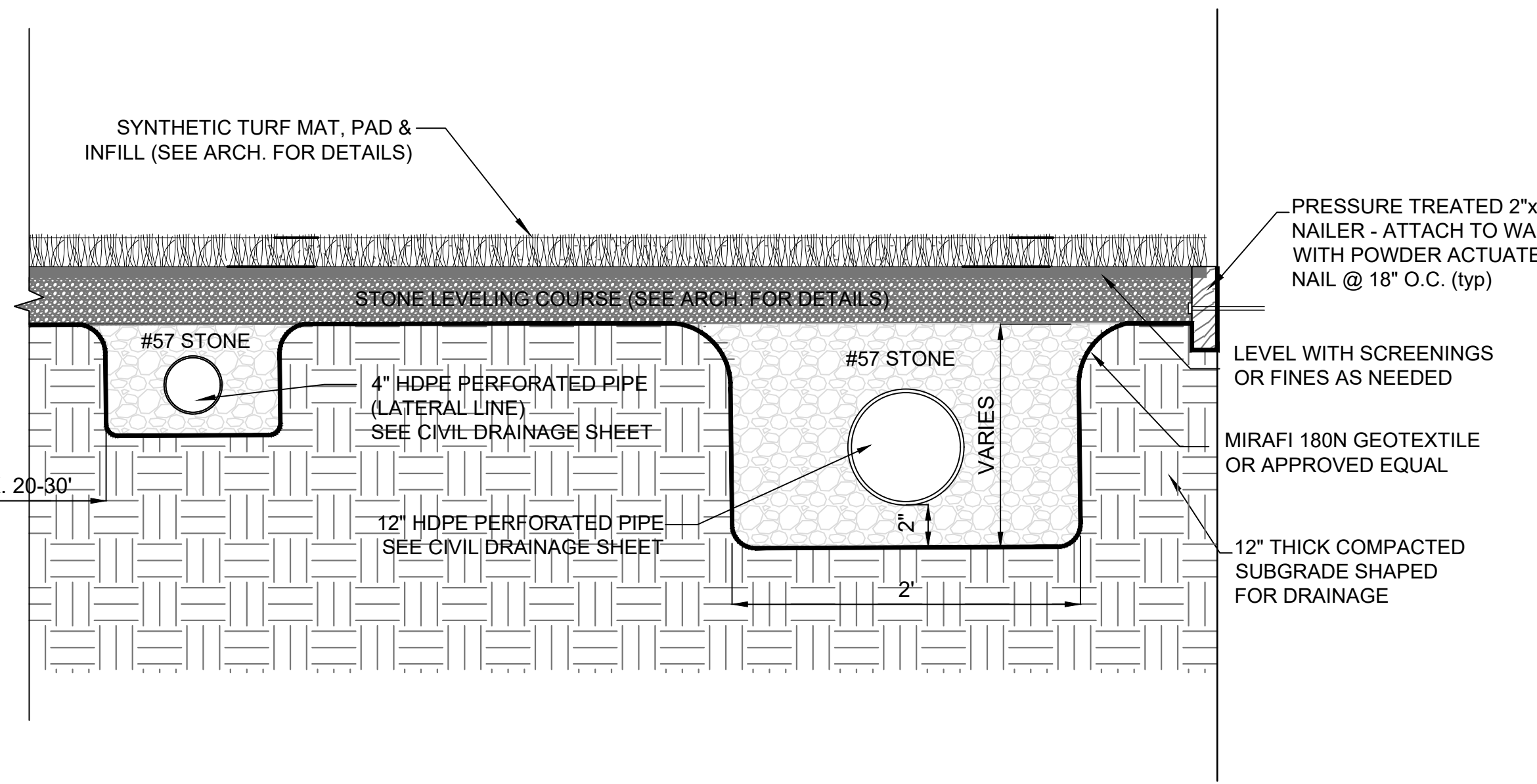
19 CONCRETE SIDEWALK W/ TURNDOWN
N.T.S.



V:\Data Partners\2023-349-00 Meridian High School Baseball_Softball_1\Production Drawings\Rebid\Construction Details_Meridian.dwg 8/10/2023 4:14 PM



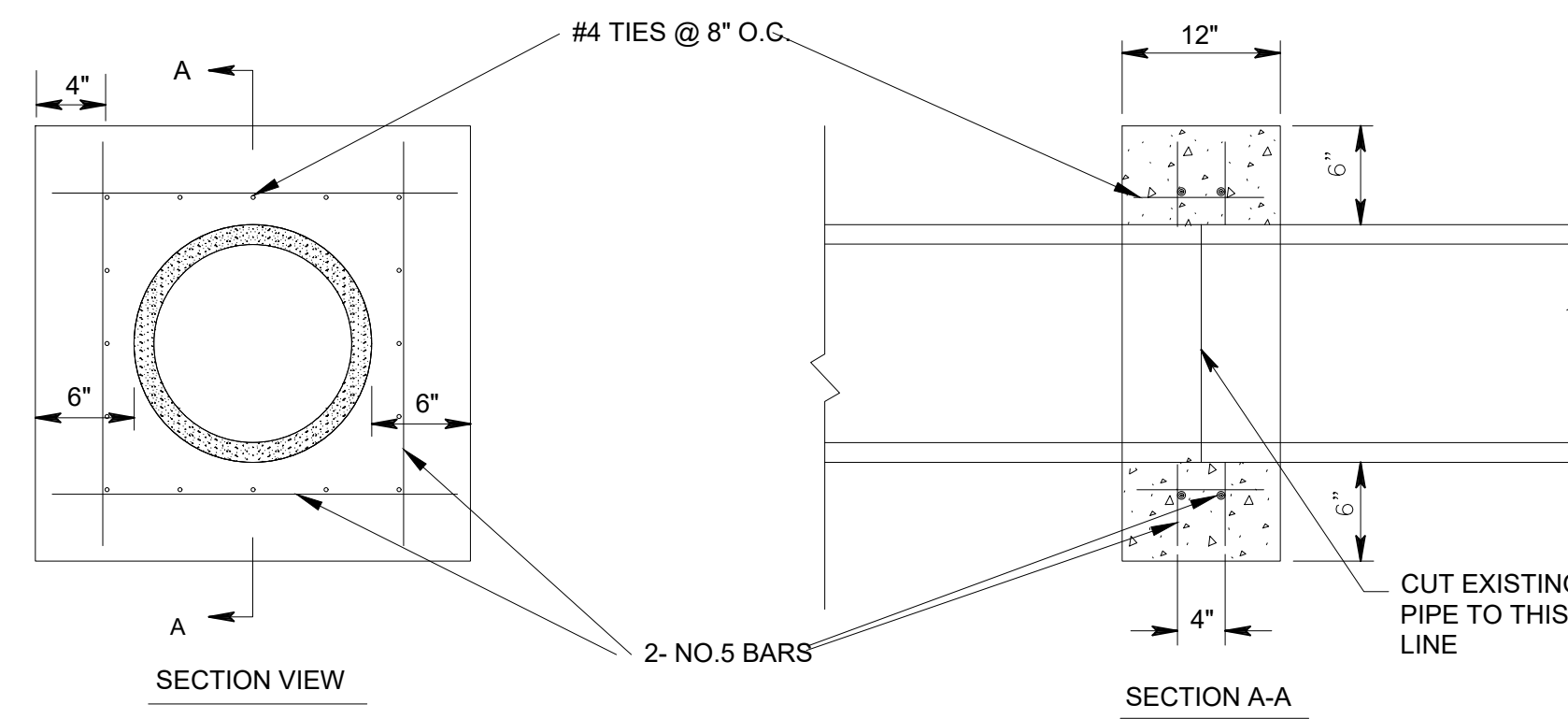
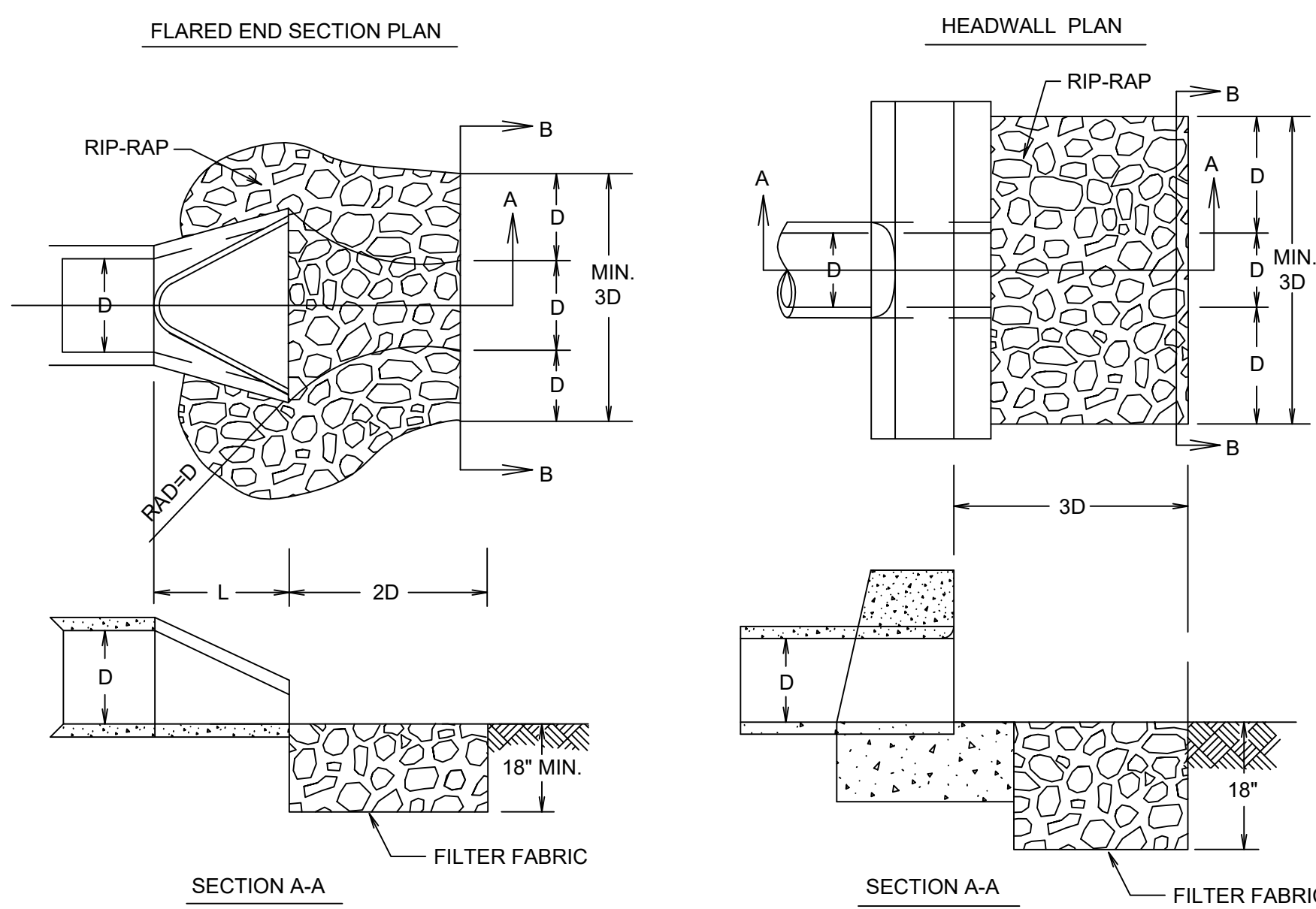
NOTES:
-SLOPE SUBGRADE 1% MINIMUM TO DRAIN LINES (typ)
-ALL PERFORATED DRAIN LINES TO HAVE MINIMUM 0.5% SLOPE
-ALL PERFORATED DRAIN LINES TO BE ADS N-12 PIPING OR APPROVED EQUAL



NOTES:
-SLOPE SUBGRADE 1% MINIMUM TO DRAIN LINES (typ)
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-ALL PERFORATED DRAIN LINES TO BE ADS N-12 PIPING OR APPROVED EQUAL

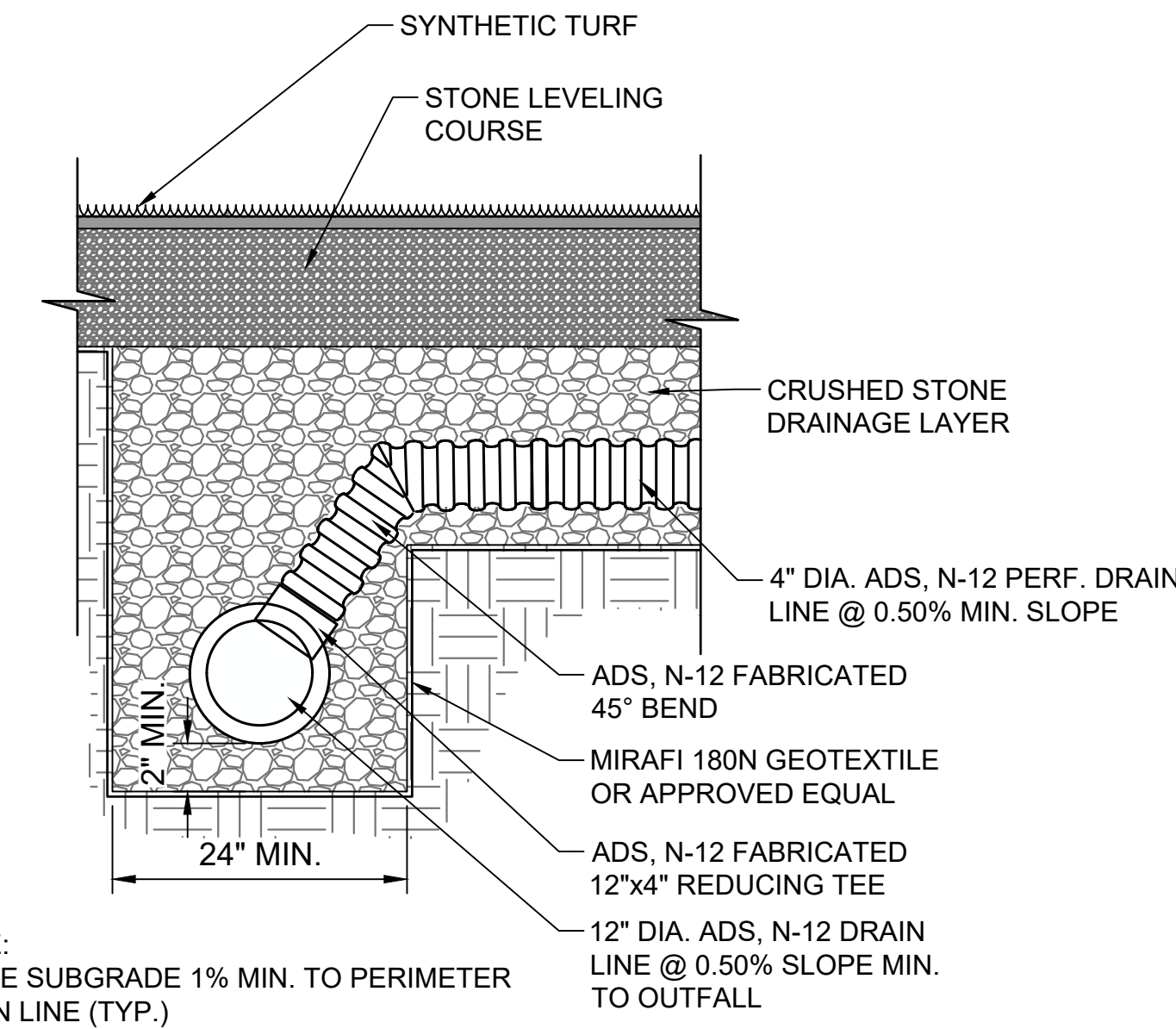
2 12" PERIMETER DRAIN
N.T.S.

1 FIELD DRAIN LAYOUT
N.T.S.



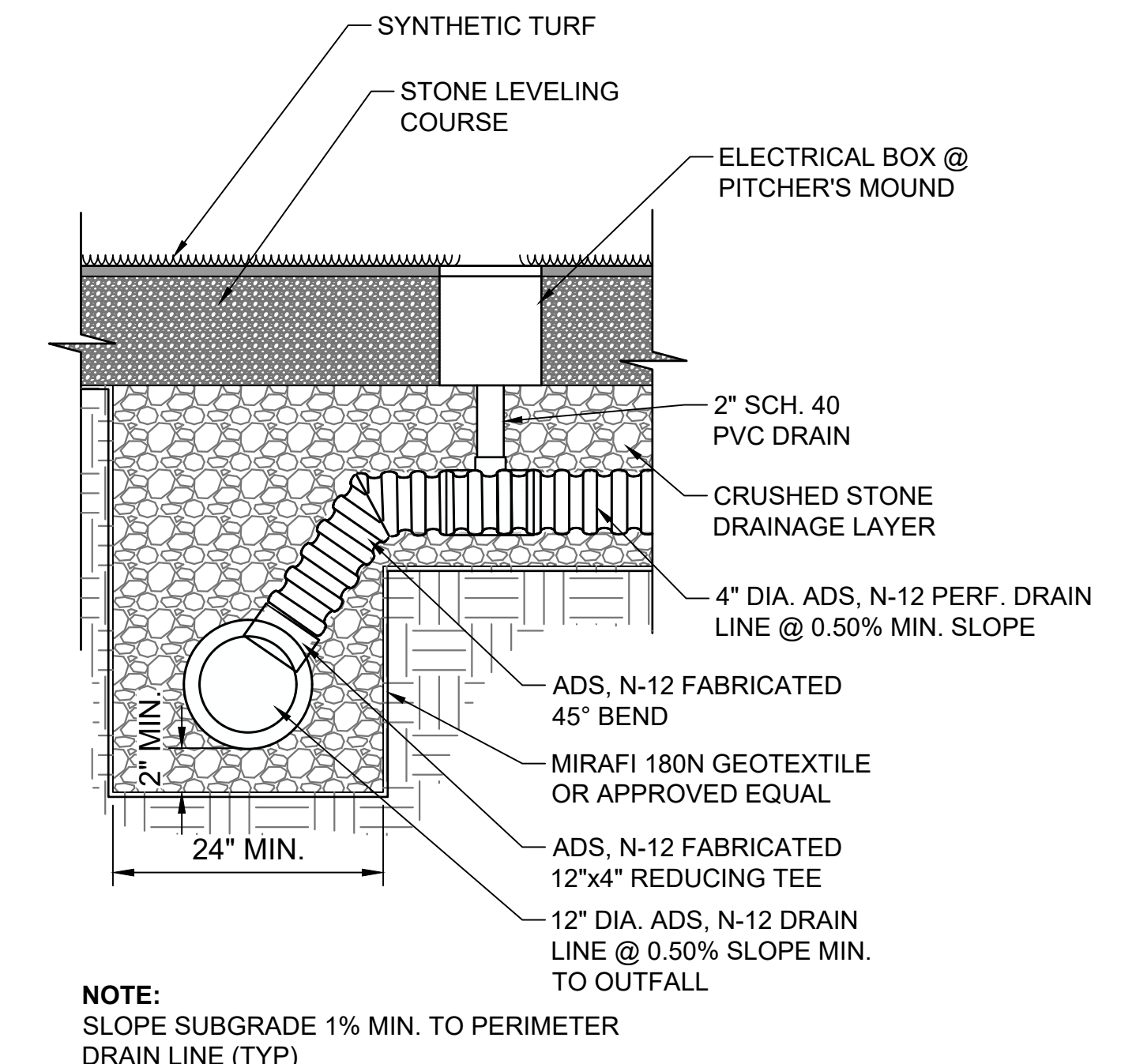
CONCRETE COLLAR NOTES:
1. PIPE COLLARS SHALL ONLY BE USED AS SHOWN ON THE PLANS OR AS APPROVED BY THE ENGINEER OR HIS AUTHORIZED REPRESENTATIVE.
2. 8 OZ. GEOTEXTILE FABRIC SHALL BE WRAPPED AROUND THE PIPE COLLAR PRIOR TO BACKFILLING WITH ONE CONTINUOUS PIECE OF FABRIC OVERLAPPING 12\"/>

4 CONCRETE PIPE COLLAR
SCALE: N.T.S.



NOTE:
SLOPE SUBGRADE 1% MIN. TO PERIMETER DRAIN LINE (TYP.)

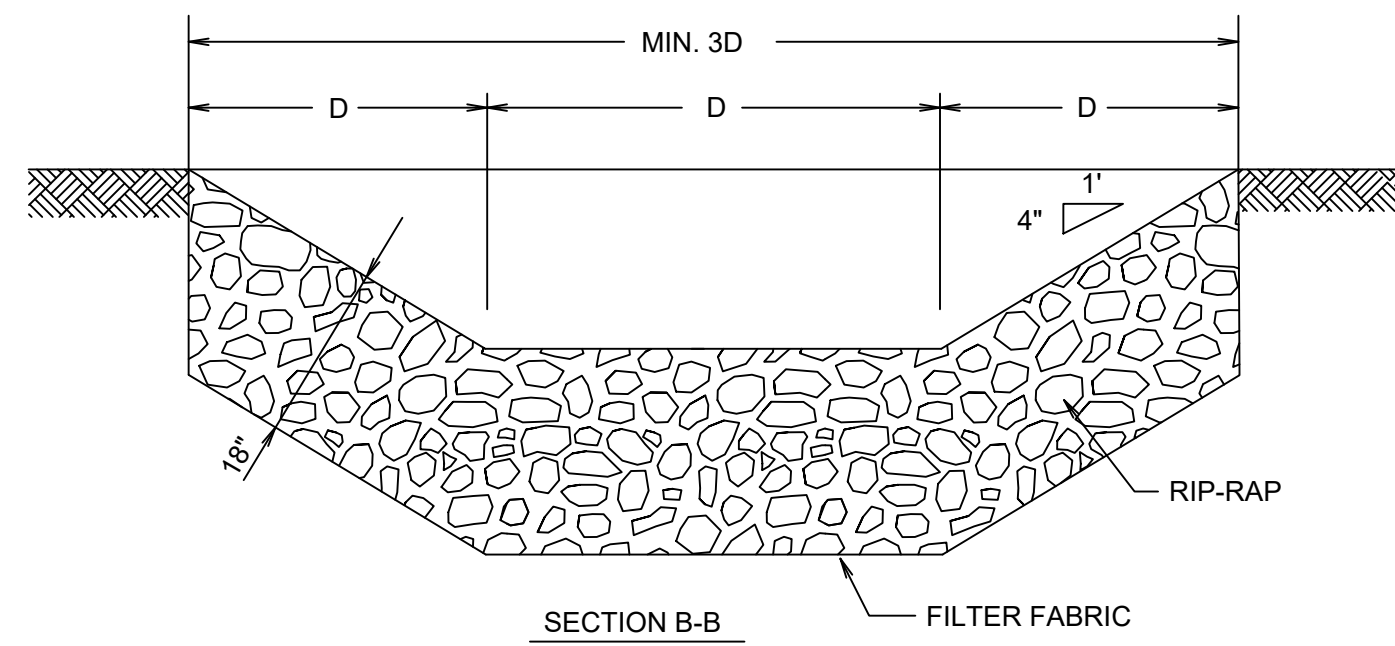
5 DRAIN LINE LATERAL CONNECTIONS
N.T.S.



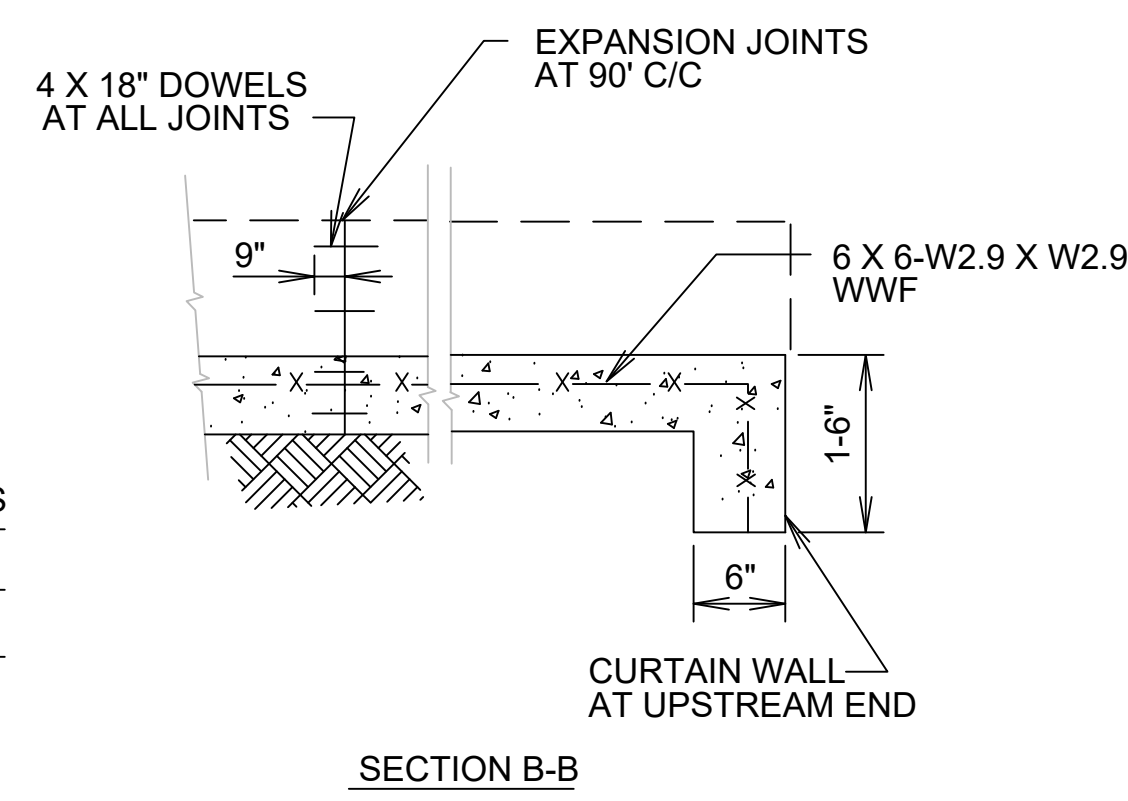
NOTE:
SLOPE SUBGRADE 1% MIN. TO PERIMETER DRAIN LINE (TYP.)

6 DRAIN AT PITCHER'S MOUND
N.T.S.

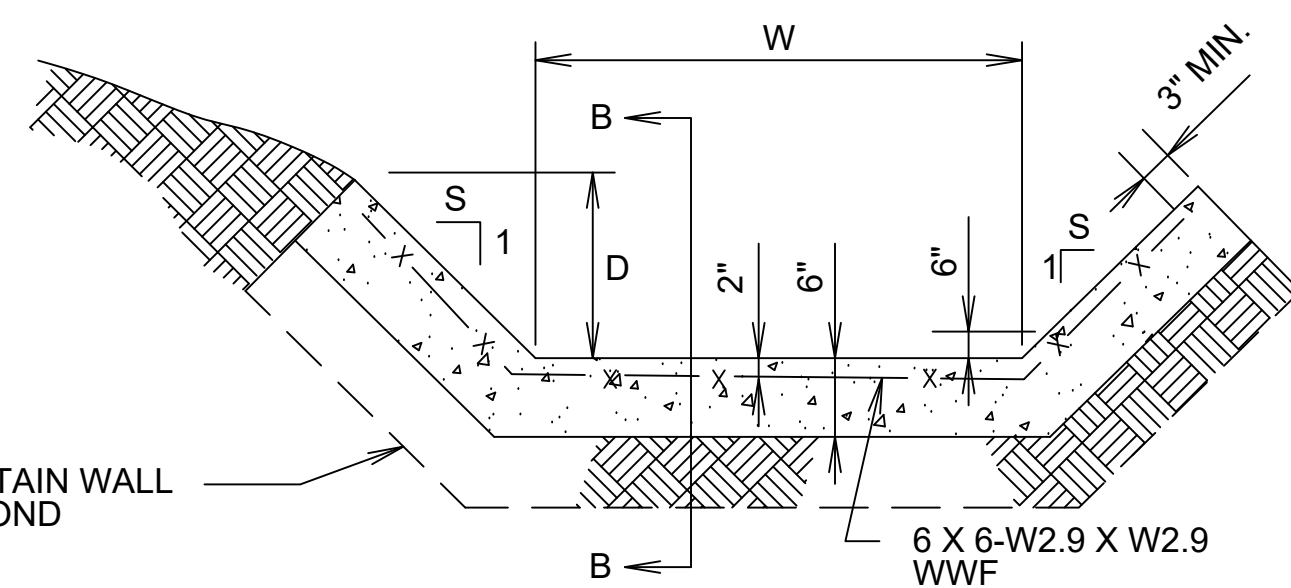
3 INLET AND/OR DISCHARGE AREA EROSION CONTROL DETAIL
N.T.S.



W= PER PLANS
D= PER PLANS
S= 2



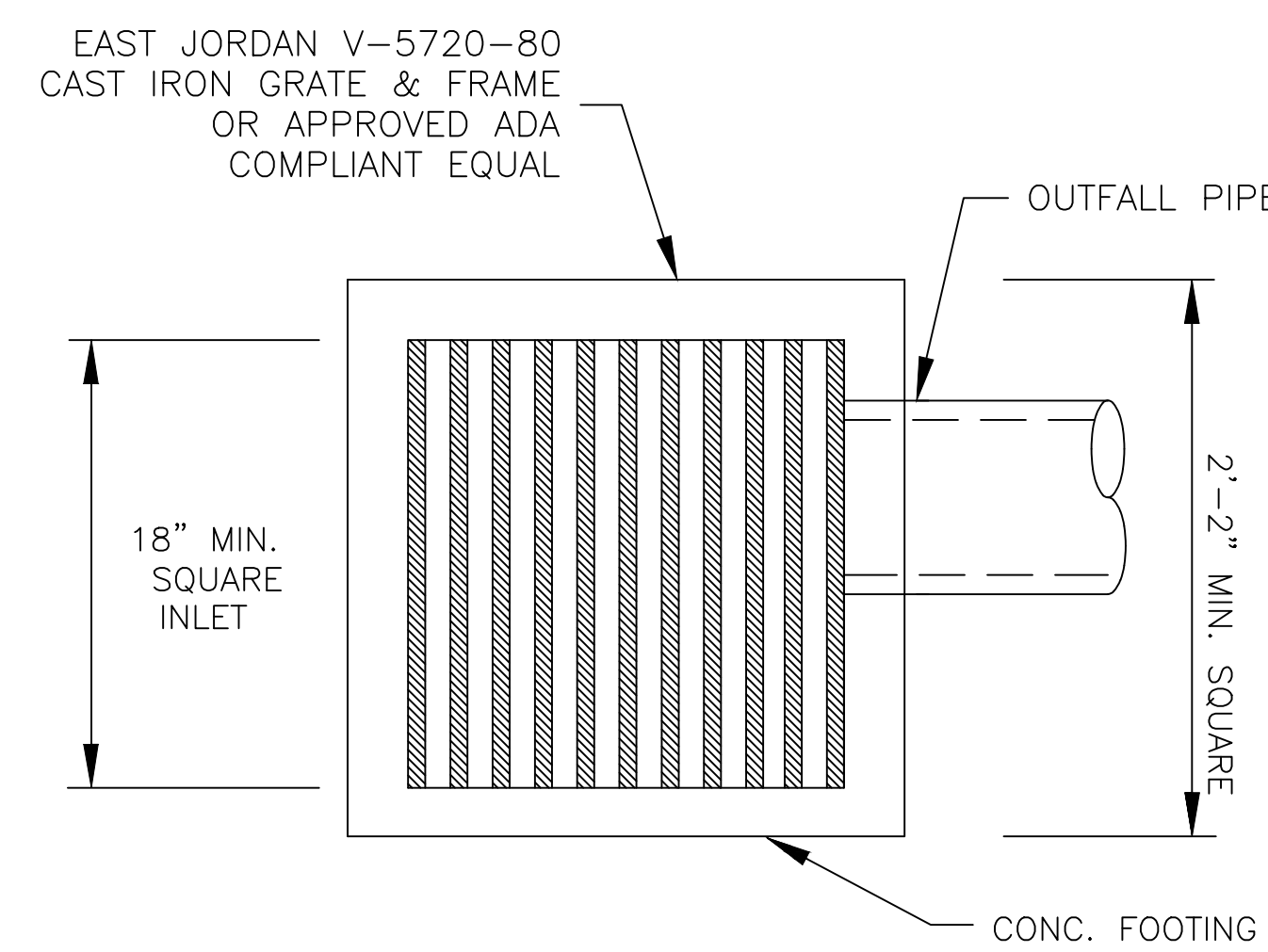
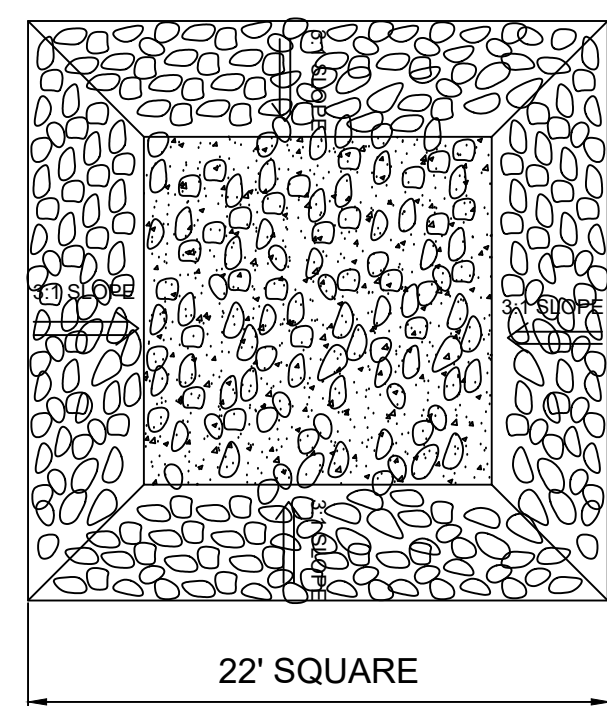
SECTION B-B



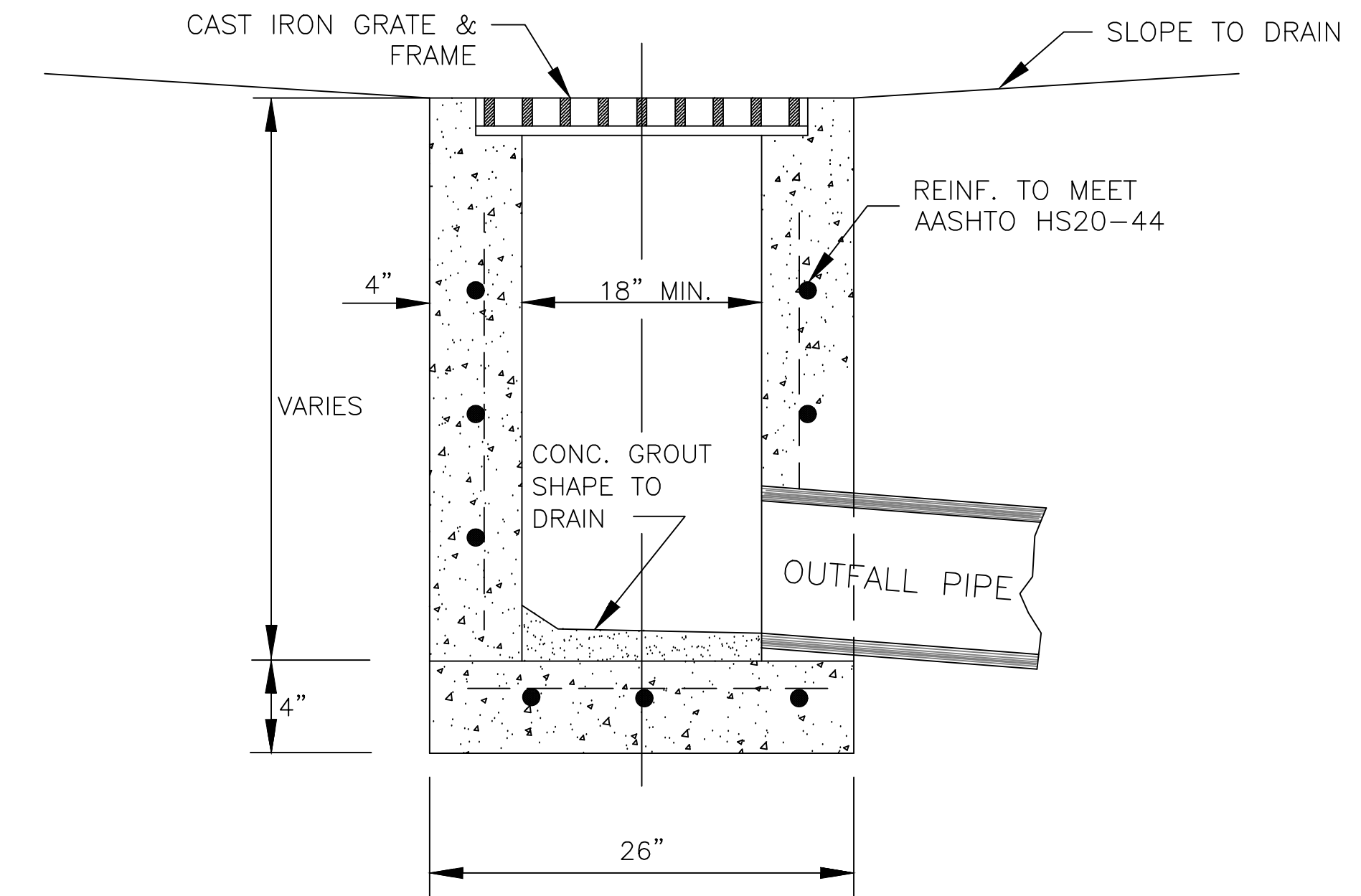
8 PAVED DITCH
N.T.S.

7 PLUNGE POOL DETAIL
N.T.S.

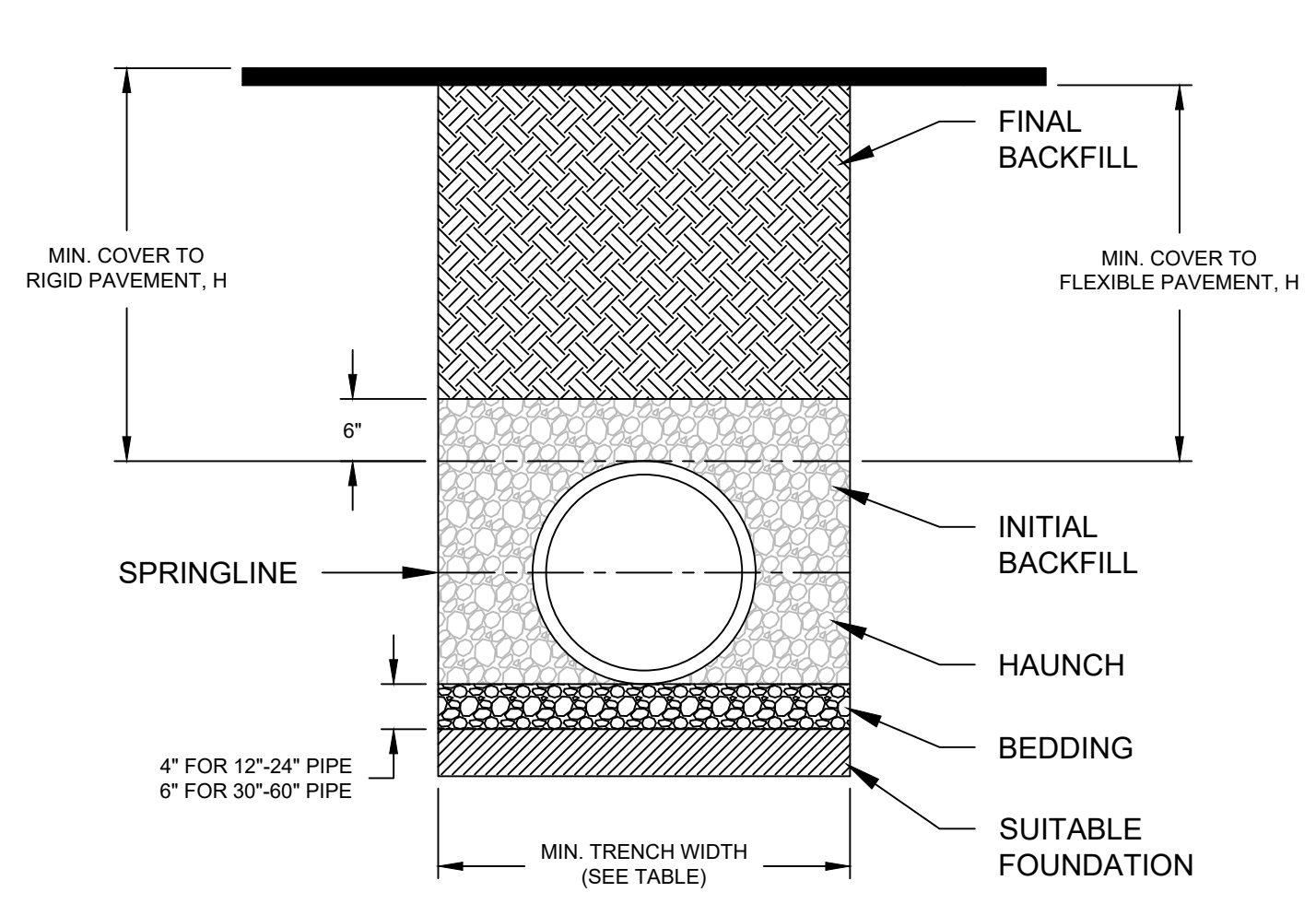
NOTE: GROUTED ROCK RIPRAP ON BOTTOM ONLY



9 TYPE "A" INLET - PLAN VIEW
N.T.S.



10 TYPE "A" INLET - SECTION
N.T.S.



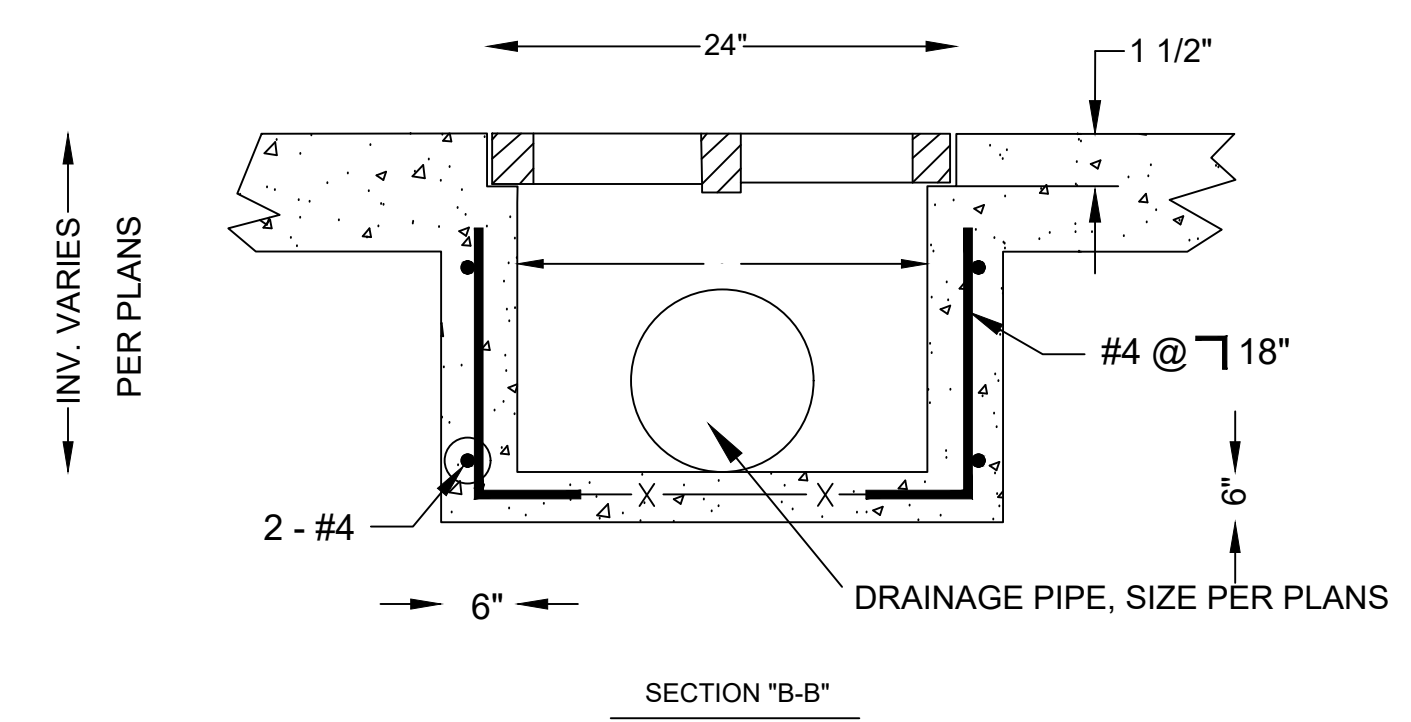
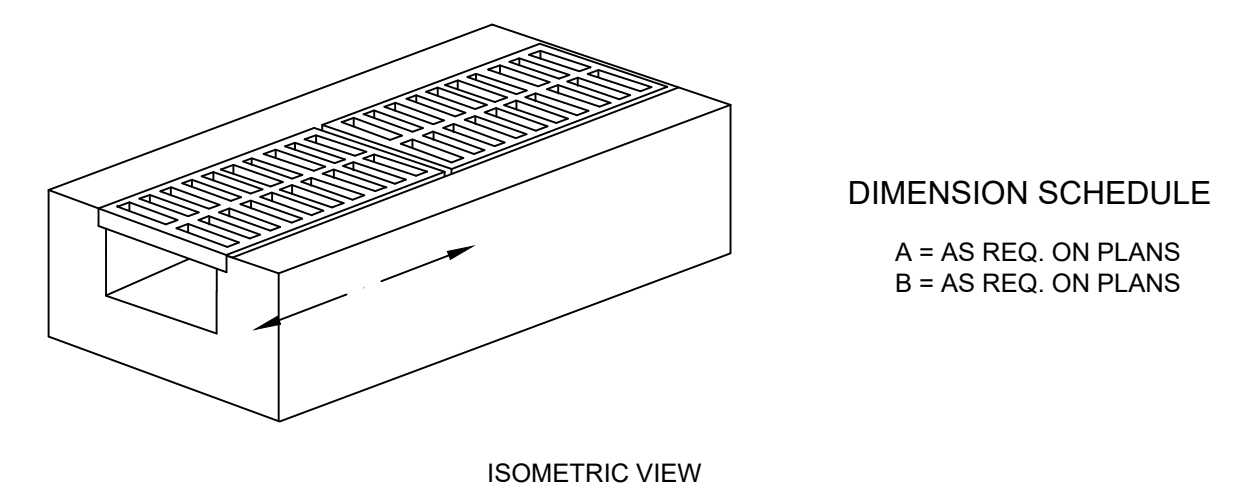
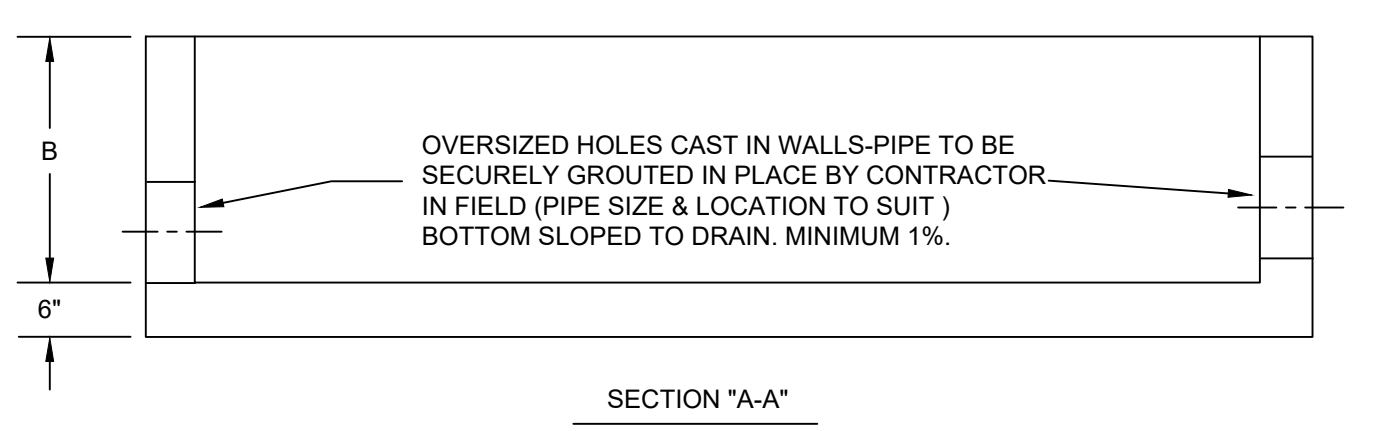
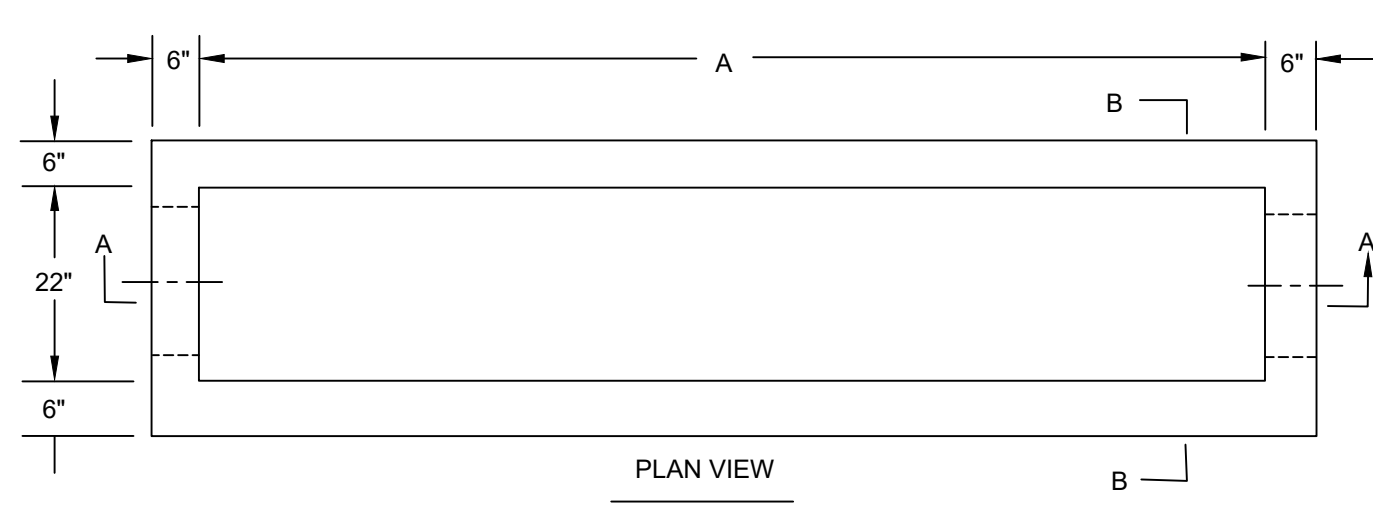
PIPE DIAM.	MIN. TRENCH WIDTH
4"	21"
(100mm)	(533mm)
6"	23"
(150mm)	(584mm)
8"	26"
(200mm)	(660mm)
10"	28"
(250mm)	(711mm)
12"	30"
(300mm)	(762mm)
15"	34"
(375mm)	(864mm)
18"	39"
(450mm)	(991mm)
24"	48"
(600mm)	(1219mm)
30"	56"
(750mm)	(1422mm)
36"	64"
(900mm)	(1626mm)
42"	72"
(1050mm)	(1829mm)
48"	80"
(1200mm)	(2032mm)
60"	96"
(1500mm)	(2438mm)

PIPE DIAM.	SURFACE LIVE LOADING CONDITION		
	H-25	HEAVY CONSTRUCTION (75T AXLE LOAD) *	
12" - 48"	12"	48"	
(300mm - 1200mm)	(305mm)	(1219mm)	
60"	24"	60"	
(1500mm)	(610mm)	(1524mm)	

PIPE DIAM.	CLASS I		CLASS II		CLASS III
	COMPACTED	DUMPED	95%	90%	95%
4"	37	18	25	18	18
(100mm)	(11.3m)	(5.5m)	(7.6m)	(5.5m)	(5.5m)
6"	44	20	29	20	21
(150mm)	(13.4m)	(6.1m)	(8.8m)	(6.1m)	(6.4m)
8"	32	15	22	15	16
(200mm)	(9.8m)	(4.6m)	(6.7m)	(4.6m)	(4.9m)
10"	38	18	26	18	18
(250mm)	(11.6m)	(5.5m)	(7.9m)	(5.5m)	(5.5m)
12"	35	17	24	17	17
(300mm)	(10.7m)	(5.2m)	(7.3m)	(5.2m)	(5.2m)
15"	38	17	25	17	18
(375mm)	(11.6m)	(5.2m)	(7.6m)	(5.2m)	(5.5m)
18"	36	17	24	17	17
(450mm)	(11.0m)	(5.2m)	(7.3m)	(5.2m)	(5.2m)
24"	28	13	20	13	14
(600mm)	(8.5m)	(4.0m)	(6.1m)	(4.0m)	(4.3m)
30"	28	13	20	13	14
(750mm)	(8.5m)	(4.0m)	(6.1m)	(4.0m)	(4.3m)
36"	26	12	18	13	13
(900mm)	(7.9m)	(3.7m)	(5.5m)	(4.0m)	(4.0m)
42"	23	11	16	11	11
(1050mm)	(7.0m)	(3.4m)	(4.9m)	(3.4m)	(3.4m)
48"	25	11	17	11	12
(1200mm)	(7.6m)	(3.4m)	(5.2m)	(3.4m)	(3.7m)
60"	25	11	17	11	12
(1500mm)	(7.6m)	(3.4m)	(5.2m)	(3.4m)	(3.7m)

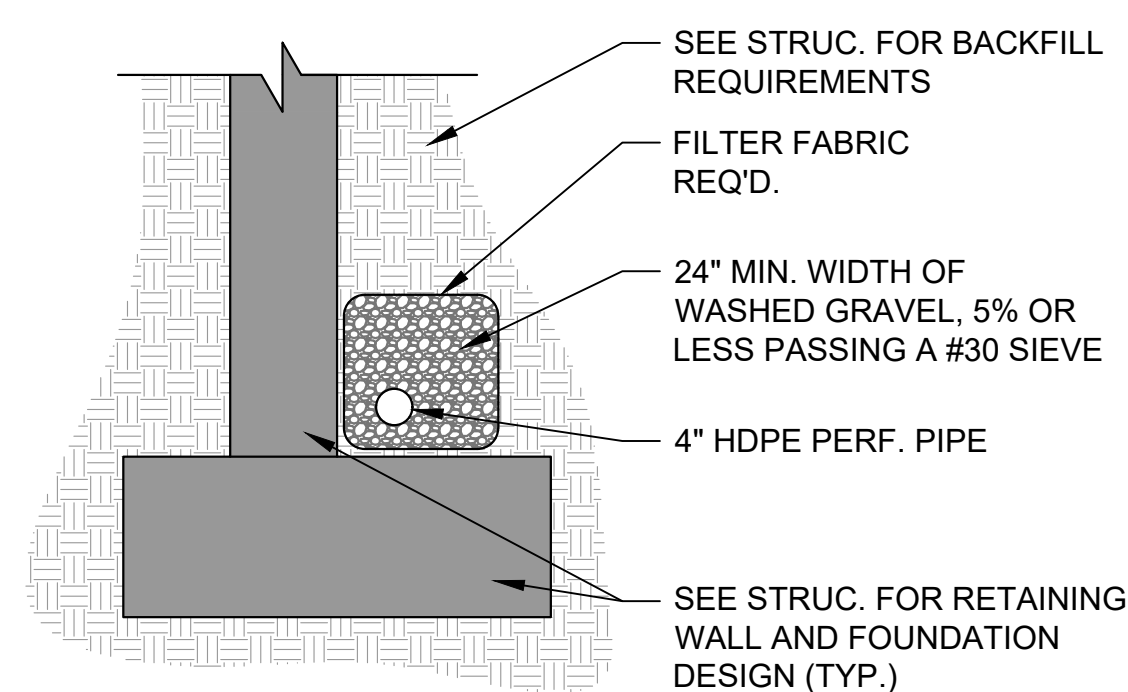
- NOTES:**
- ALL PIPE SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2321. "STANDARD PRACTICE FOR UNDERGROUND INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY FLOW APPLICATIONS", LATEST ADDITION.
 - MEASURES SHOULD BE TAKEN TO PREVENT MIGRATION OF NATIVE FINES INTO BACKFILL MATERIAL, WHEN REQUIRED.
 - FOUNDATION:** WHERE THE TRENCH BOTTOM IS UNSTABLE, THE CONTRACTOR SHALL EXCAVATE TO A DEPTH REQUIRED BY THE ENGINEER AND REPLACE WITH SUITABLE MATERIAL AS SPECIFIED BY THE ENGINEER. AS AN ALTERNATIVE AND AT THE DISCRETION OF THE DESIGN ENGINEER, THE TRENCH BOTTOM MAY BE STABILIZED USING A GEOTEXTILE MATERIAL.
 - BEDDING:** SUITABLE MATERIAL SHALL BE CLASS I, II OR III. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. UNLESS OTHERWISE NOTED BY THE ENGINEER, MINIMUM BEDDING THICKNESS SHALL BE 4" (100mm) FOR 4"-24" (100mm-600mm); 6" (150mm) FOR 30"-60" (750mm-1500mm).
 - INITIAL BACKFILL:** SUITABLE MATERIAL SHALL BE CLASS I, II OR III IN THE PIPE ZONE EXTENDING NOT LESS THAN 6" ABOVE CROWN OF PIPE. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. MATERIAL SHALL BE INSTALLED AS REQUIRED IN ASTM D2321, LATEST EDITION.
 - MINIMUM COVER:** MINIMUM COVER, H, IN NON-TRAFFIC APPLICATIONS (GRASS OR LANDSCAPE AREAS) IS 12" FROM THE TOP OF PIPE TO GROUND SURFACE. ADDITIONAL COVER MAY BE REQUIRED TO PREVENT FLOTATION. FOR TRAFFIC APPLICATIONS, MINIMUM COVER, H, IS 12" UP TO 48" DIAMETER PIPE AND 24" OF COVER FOR 60" DIAMETER PIPE, MEASURED FROM TOP OF PIPE TO BOTTOM OF FLEXIBLE PAVEMENT OR TO TOP OF RIGID PAVEMENT. FOR TRAFFIC APPLICATIONS WITH LESS THAN FOUR FEET OF COVER, EMBEDMENT OF THE PIPE SHALL BE USING ONLY A CLASS I OR CLASS II BACKFILL.

1 PLASTIC PIPE INSTALLATION
NTS

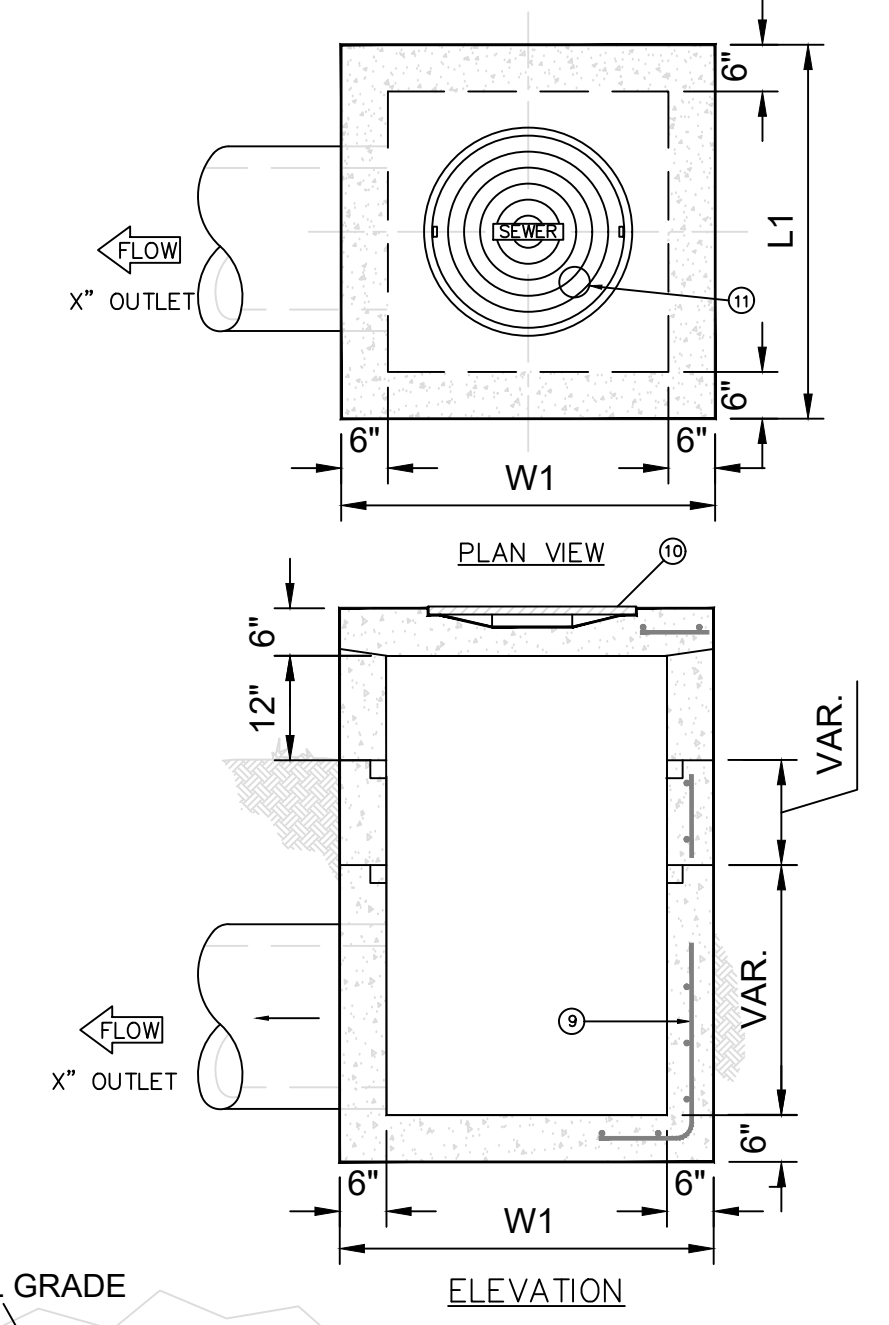
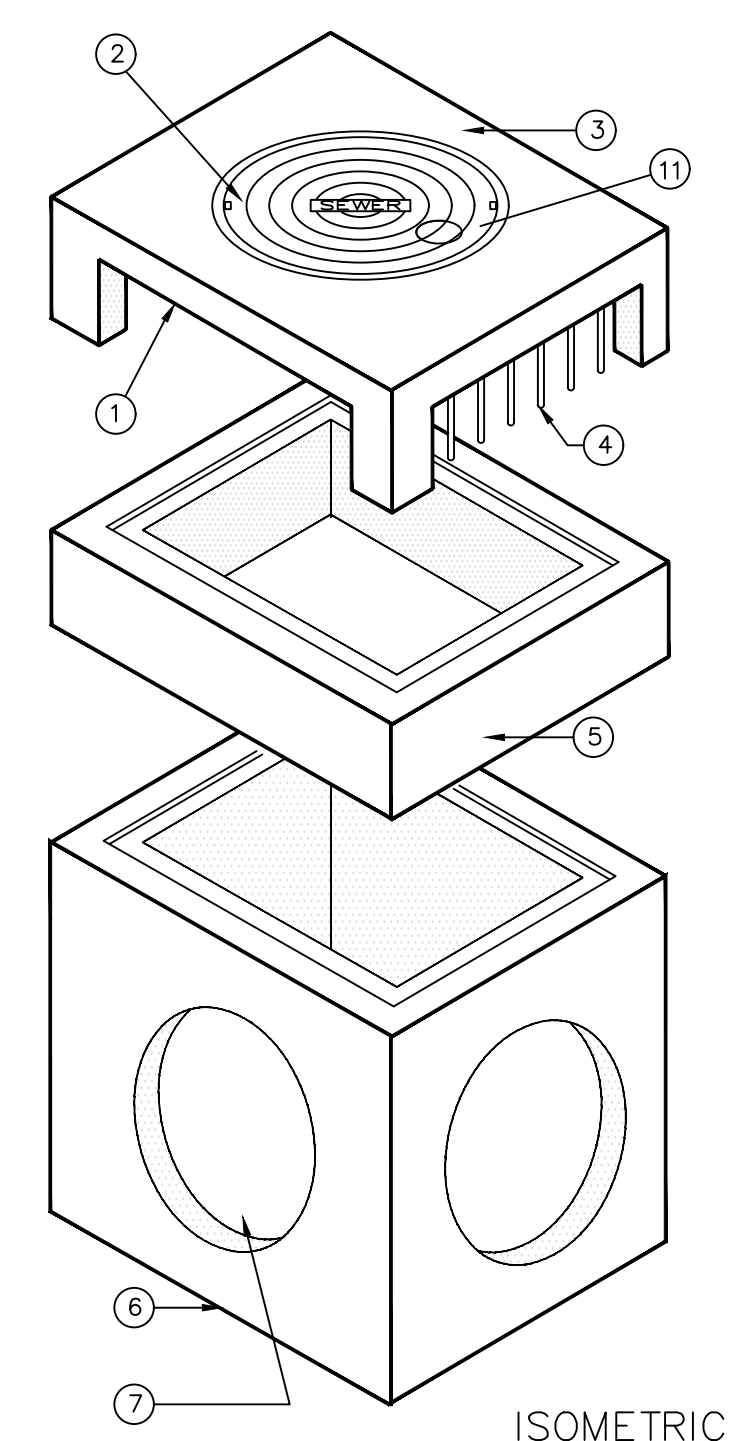


- NOTES:**
- ADA COMPLIANT GRATES TO BE USF 6002 GRATE OR APPROVED EQUAL
 - NON ADA GRATES TO BE USF 6429 GRATE OR APPROVED EQUAL

2 TRENCH GRATE DETAIL
NTS

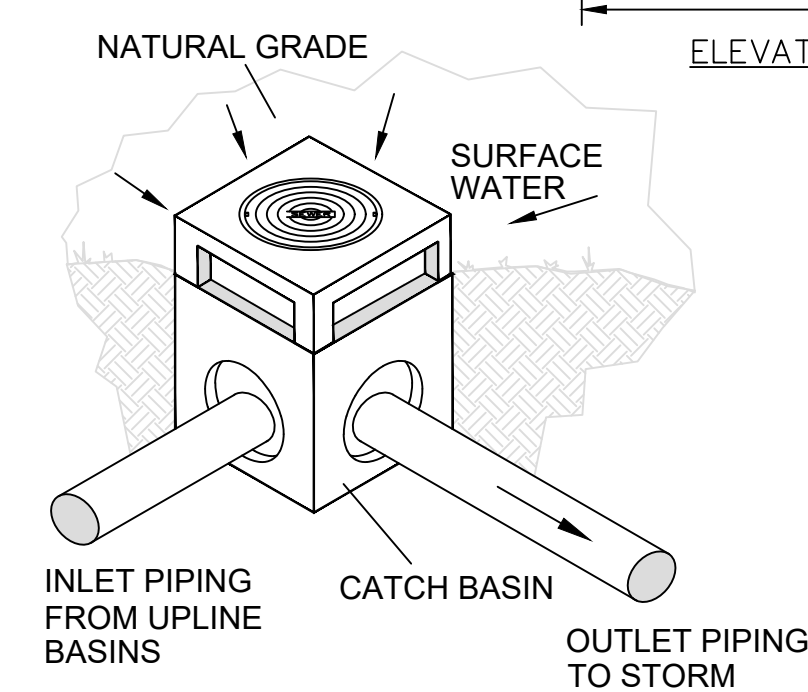


3 FOUNDATION DRAINAGE DETAIL (TYP.)
NTS



KEYED NOTES		
MARK	QTY	DESCRIPTION
1	1	OPENING ALL FOUR SIDES (VERTICAL REBAR GRATE IF REQUIRED)
2	1	20" CAST-IN RING AND COVER
3	1	TOP SECTION
4	1	SAFETY BARS (OPTIONAL)
5	1	MUD SECTION
6	1	Basin SECTION
7	1	THINWALL KNOCKOUT PIPE OPENING "K" DIAMETER
8	1	NOT USED
9	-	REBAR AS REQUIRED
10	1	DUCTILE IRON RING AND COVER
11	1	NAMEPLATE INDICATING: MFG: PARKUSA 888-611-PARK WWW.PARKUSA.COM MODEL: CBY-1 MANUFACTURED DATE

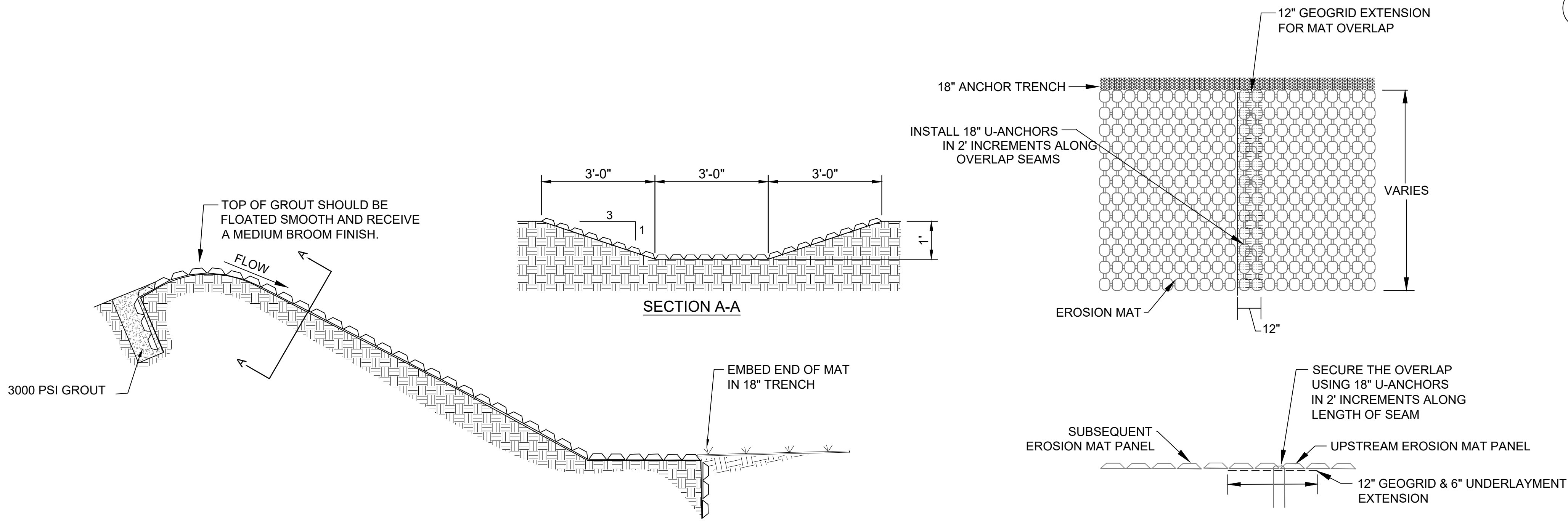
TYPE	L1	W1	K
CBY-36	4'-0"	4'-0"	32"
CBY-48	5'-0"	5'-0"	48"
CBY-60	6'-0"	6'-0"	60"
CBY-72	7'-0"	7'-0"	72"



SPECIFICATIONS

- CONCRETE:** CONCRETE TO MEET MDOT SPECIFICATIONS. UNIT IS OF MONOLITHIC CONSTRUCTION AT FLOOR AND FIRST STAGE OF WALL WITH SECTIONAL RISER TO REQUIRED DEPTH. RATED FOR H-20 LOADING.
- REINFORCEMENT:** GRADE 60 REINFORCED. NO. 4 STEEL REBAR TO CONFORM TO ASTM A615 ON REQUIRED CENTERS OR EQUAL.
- C.I. CASTINGS:** CAST IRON FRAMES AND GRATES ARE MANUFACTURED OF GREY CAST IRON CONFORMING TO ASTM A48-76 CLASS 30.

5 TYPE "Y" INLET DETAIL
NTS



- CONSTRUCTION NOTES:**
- AN ENGINEER OR MANUFACTURER'S REPRESENTATIVE SHALL BE ONSITE FOR THE START OF THE INSTALLATION.
 - GRADE SITE SO THAT WATER WILL NOT FLOW ABOVE, BELOW, OR AROUND THE OUTSIDE OF THE AREA PROTECTED WITH TIED CONCRETE MAT. ALL SUBGRADE SURFACES PREPARED FOR PLACEMENT OF MATS SHALL BE SMOOTH AND FREE OF ALL ROCKS, STICKS, ROOTS, OTHER PROTRUSIONS, OR DEBRIS OF ANY KIND.
 - APPLY SEED DIRECTLY TO PREPARED SOIL PRIOR TO TIED CONCRETE MAT INSTALLATION.
 - AT THE ABUTMENT OF THE TIED CONCRETE MAT, EXCAVATE A 12" x 18" TRENCH. INSTALL 18" OF TIED CONCRETE MAT INTO THE TRENCH AND FILL WITH 3,000 PSI GROUT. THE GROUT SURFACE IS TO RECEIVE A MEDIUM BROOM FINISH AND CAN EXTEND 12" TO 18" OVER THE EROSION MAT BLOCKS.
 - AT EMERGENCY SPILLWAY, TYPICAL SECTION IS 15 FEET TOTAL WIDTH WITH 1 FOOT DEPTH, AND 6:1 SIDE SLOPES. INITIAL SECTION TRANSITIONS TO SECTION A-A.

4 TIED CONCRETE MAT DETAILS
NTS

V:\Data Partners\2025-349-00 Meridian High School\Baeleall_Softball_1\Production Drawings\Rebid\Construction Details_Meridian.dwg 8/10/2023 4:15 PM

DALE BAILEY
AN ASSOCIATION

Architects
One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432

161 Lameuse St. Suite 201
Biloxi, MS 39530
p 228.374.1409

dalebaileyplans.com

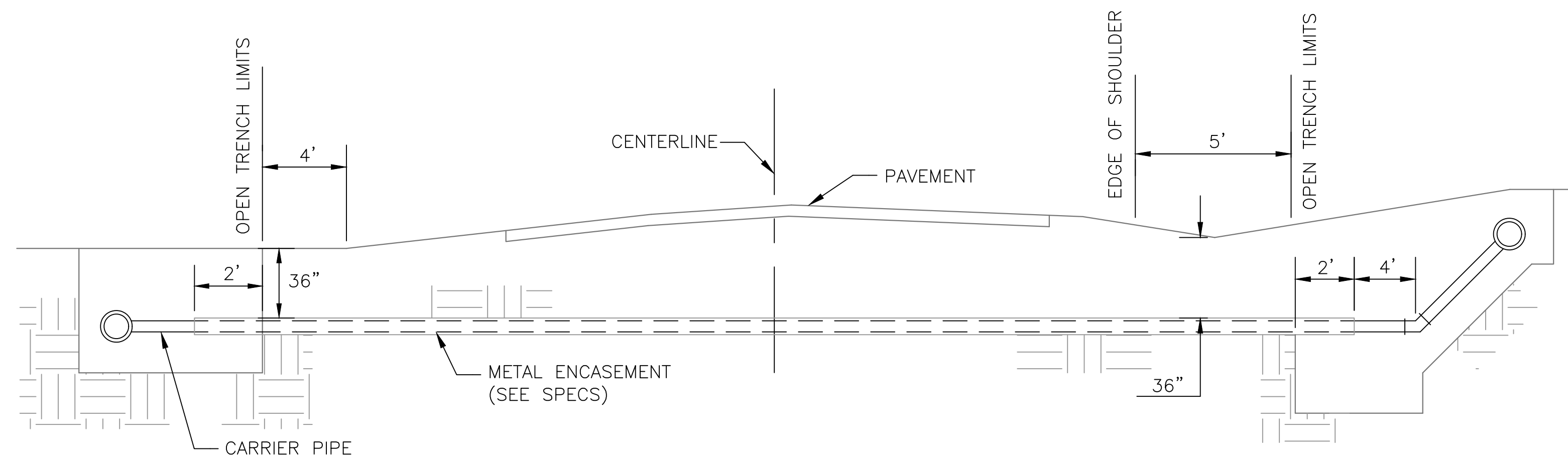


Meridian High School
Baseball/Softball Re-Bid
2320 32nd St, Meridian, MS 39305

Construction Documents

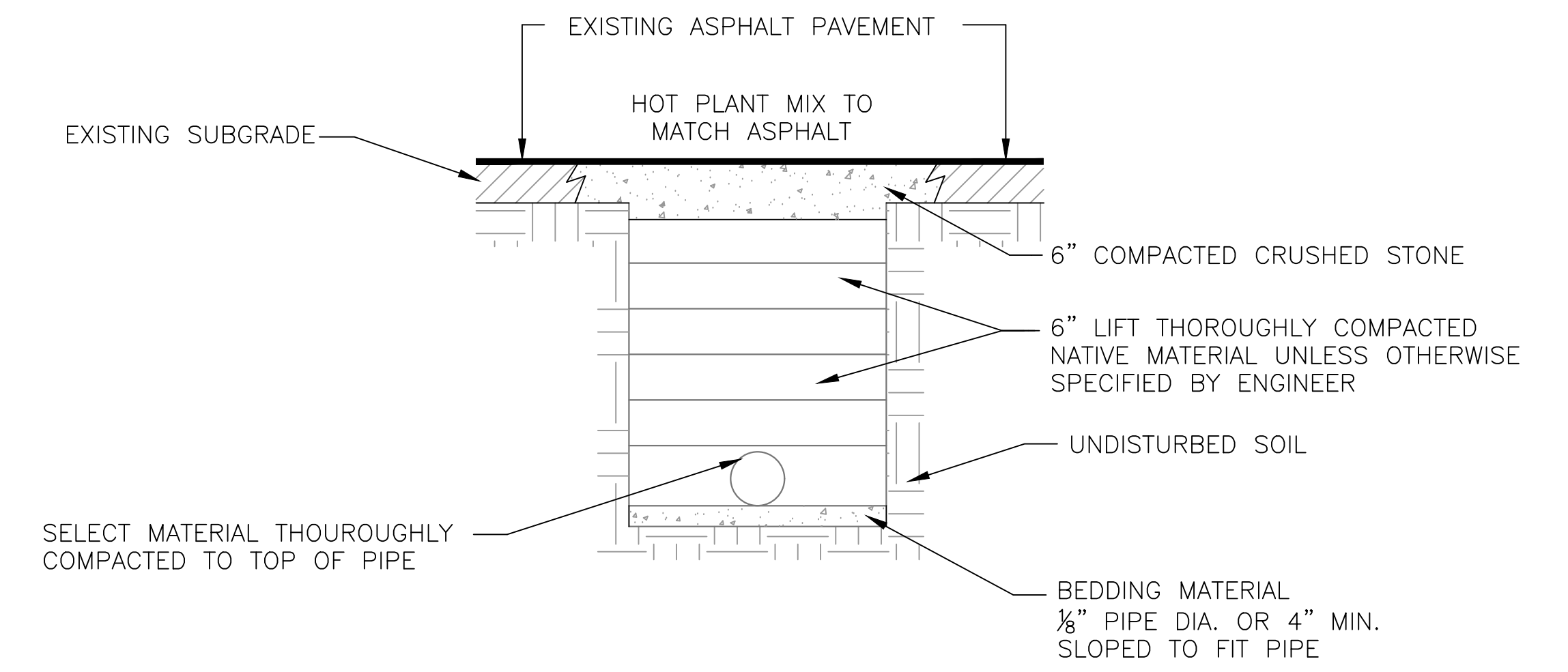
Project No 22034-03
Date 8/10/23
Revisions Rev Date
Addendum #1 8/10/23

C-803
Construction Details

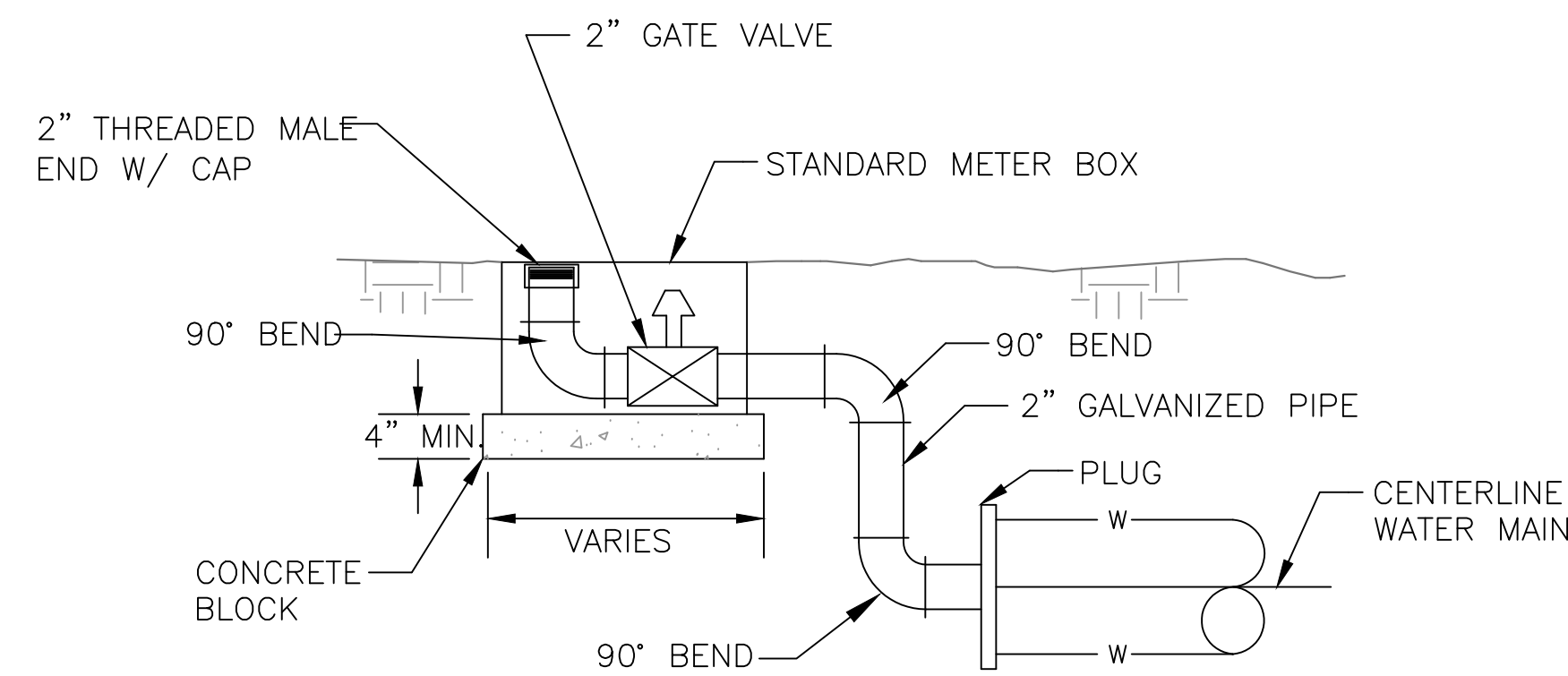


TYPICAL CASSED WATER MAIN CROSSING

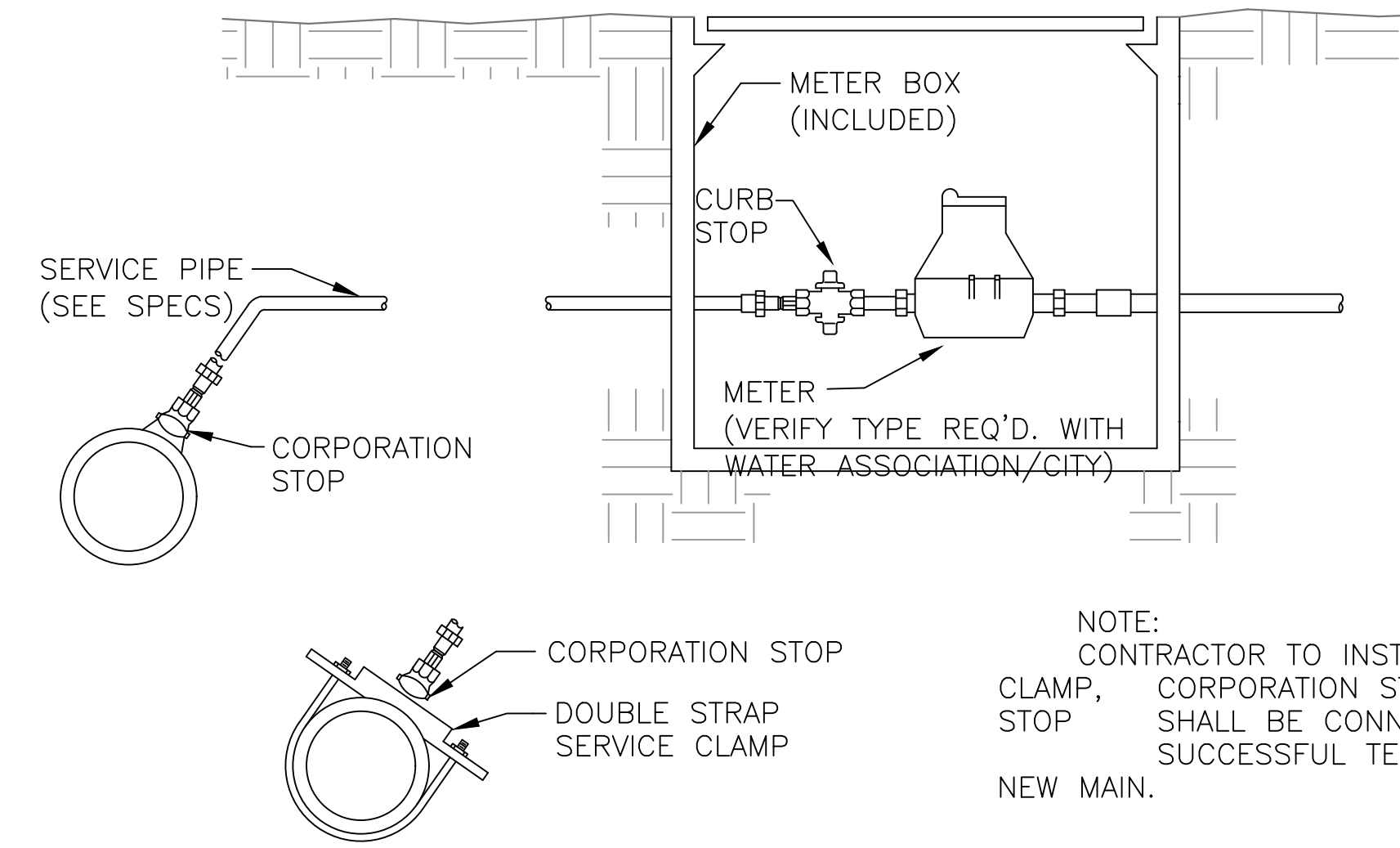
NOTE: IN AREAS WHERE CROSSING STATE/FEDERAL HIGHWAYS, SEE HIGHWAY PERMIT FOR SPECIFIC AND/OR ADDITIONAL INFORMATION.



STREET REPAIR OF OPEN CUT

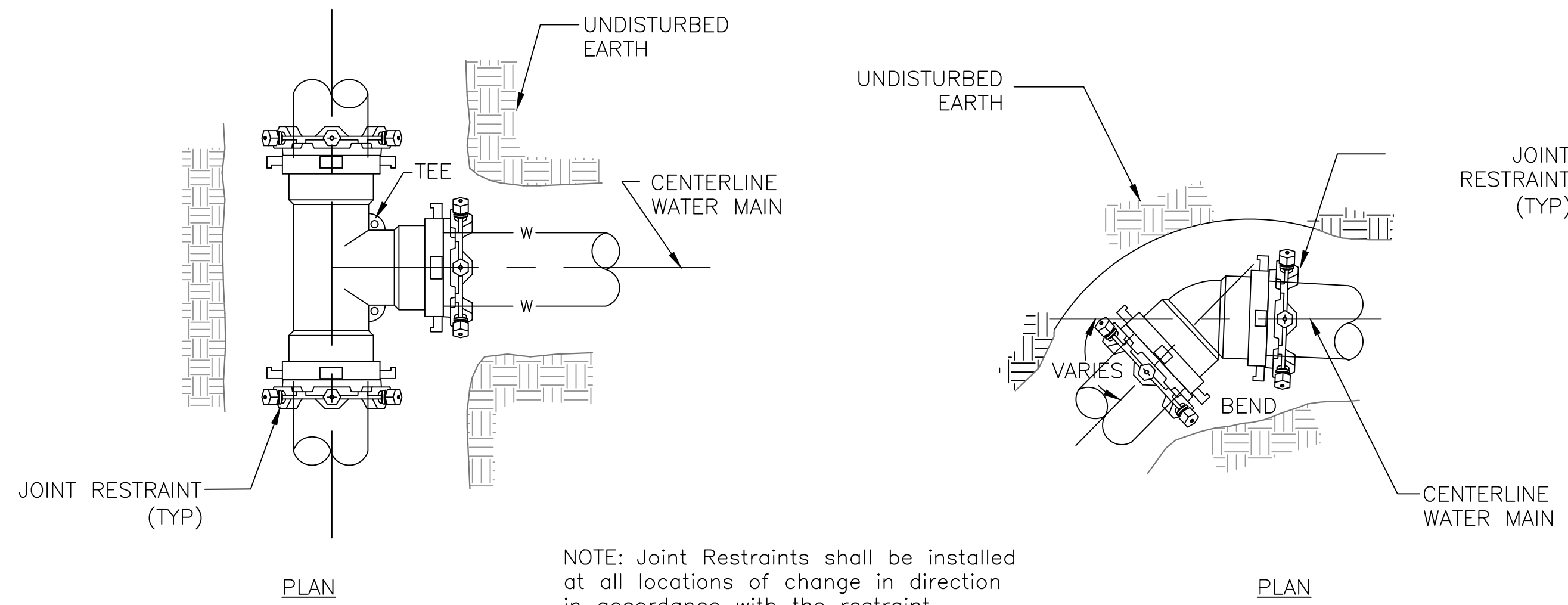


TYPICAL 2" BLOW-OFF DETAIL



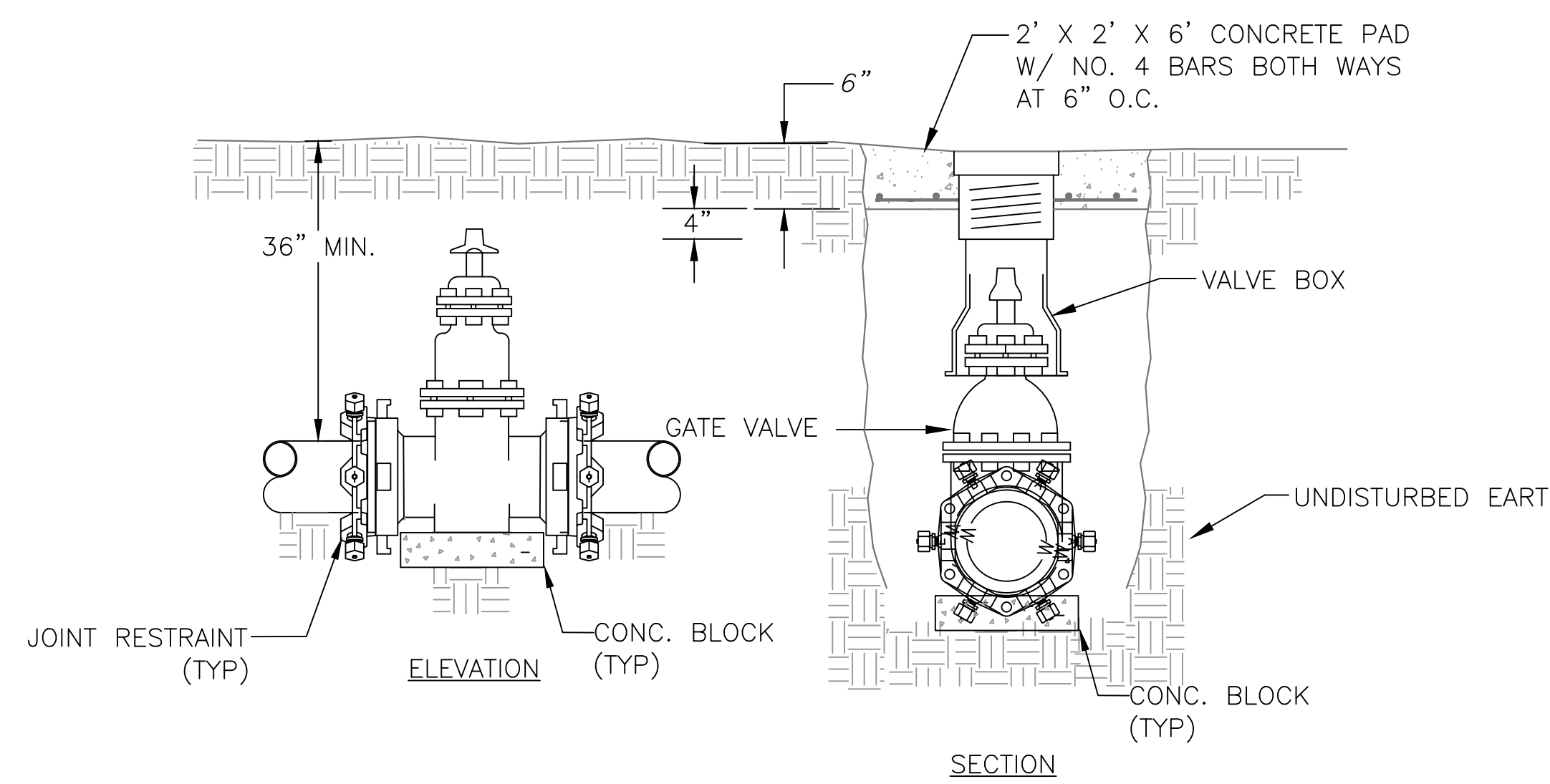
TYPICAL SERVICE ASSEMBLY

NOTE: CONTRACTOR TO INSTALL SERVICE TAP, SERVICE CORPORATION STOP, AND CURB STOP. CURB STOP SHALL BE CONNECTED TO EXISTING LINE UPON SUCCESSFUL TESTING AND DISINFECTION OF THE NEW MAIN.

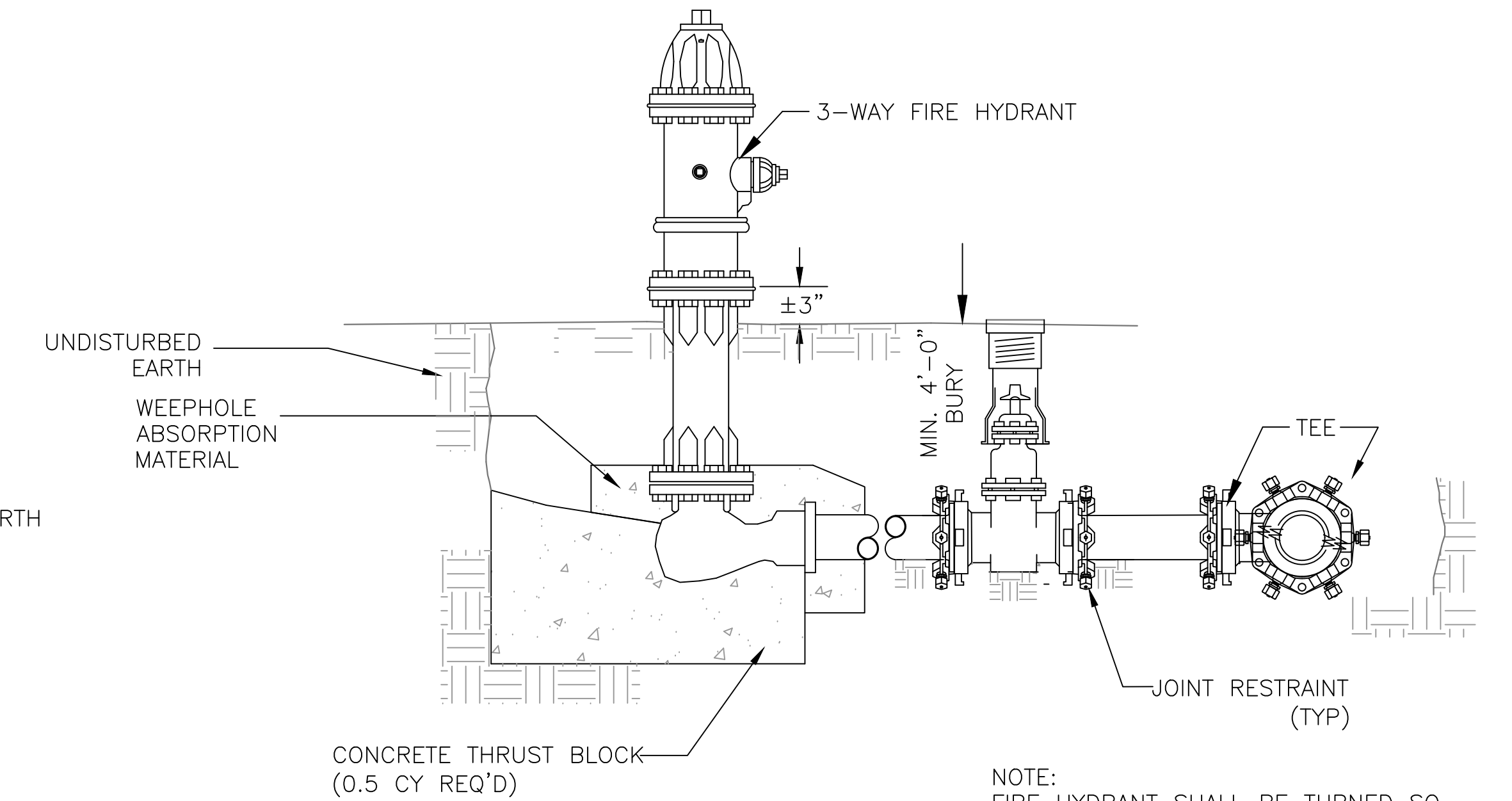


NOTE: Joint Restraints shall be installed at all locations of change in direction in accordance with the restraint manufacturer's recommendations for number of upstream and downstream pipe joints at bends to be restrained.

JOINT RESTRAINT DETAILS FOR TEES & BENDS

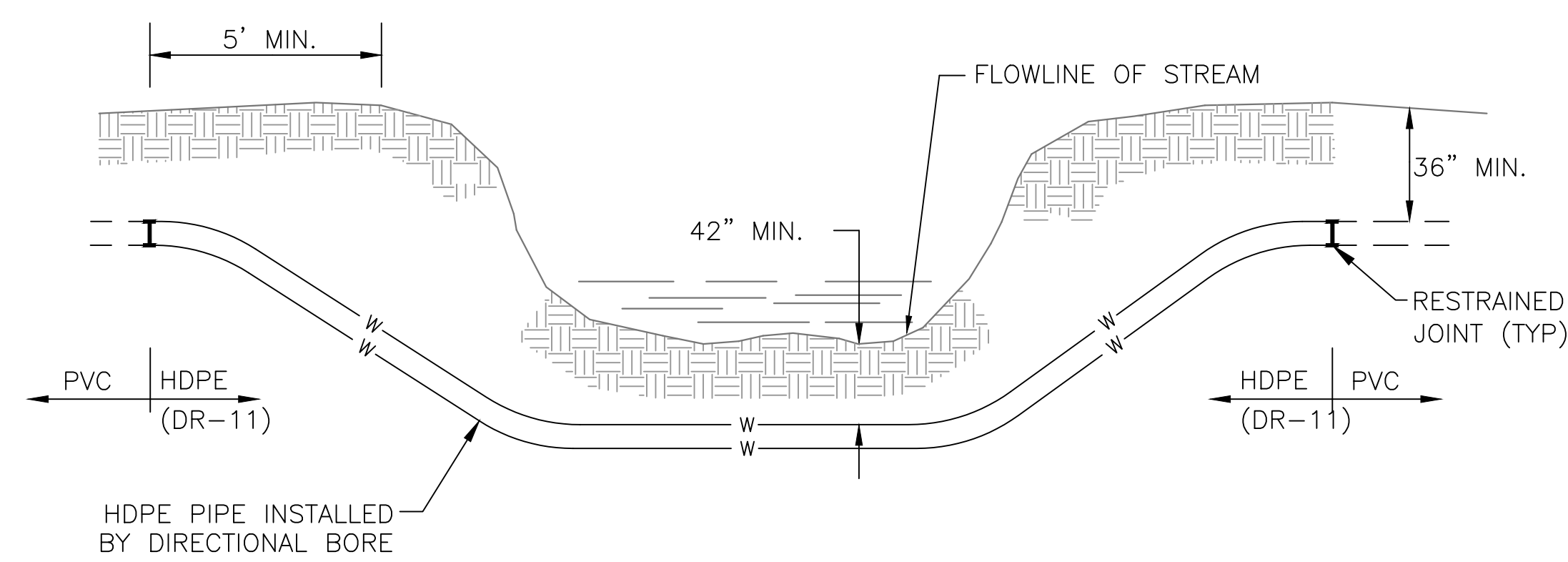


TYPICAL VALVE & BOX

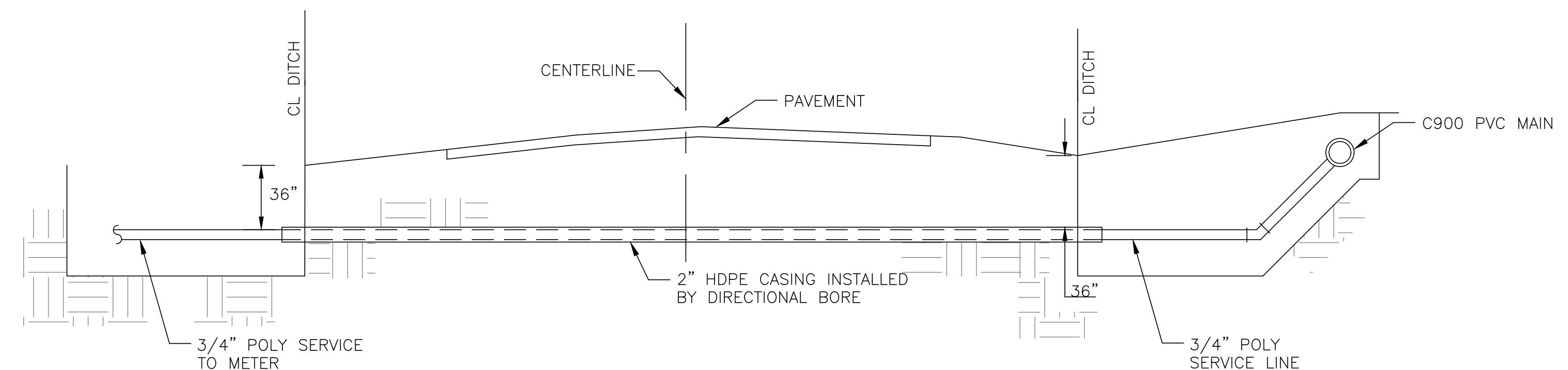


TYPICAL FIRE HYDRANT ASSEMBLY

NOTE: FIRE HYDRANT SHALL BE TURNED SO THAT THE NOZZLES FACE THE ADJACENT STREET. TYPE REQ'D. TO BE VERIFIED WITH WATER ASSOCIATION/CITY.



TYPICAL BORED STREAM CROSSING



TYPICAL SERVICE BORE

NOTE: IN AREAS WHERE CROSSING STATE/FEDERAL HIGHWAYS, SEE HIGHWAY PERMIT FOR SPECIFIC AND/OR ADDITIONAL INFORMATION.

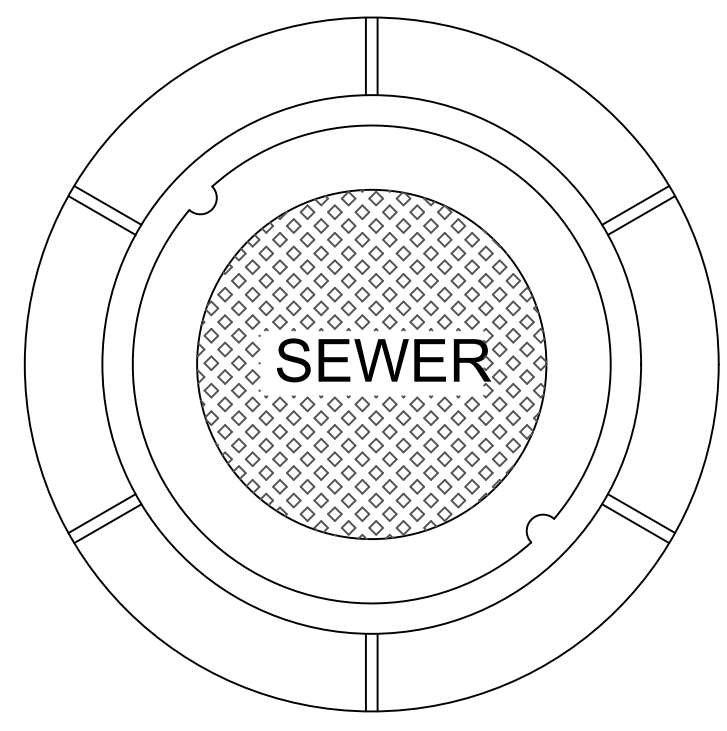
Meridian High School
Baseball/Softball Re-Bid
2320 32nd St, Meridian, MS 39305

Construction Documents

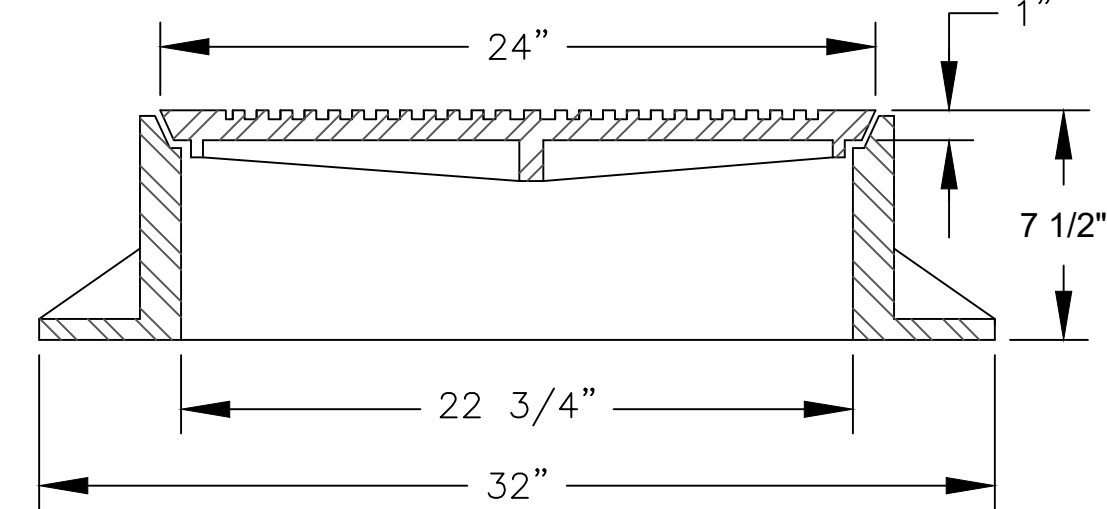
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Date	8/10/23
Revisions	Rev Date
Addendum #1	8/10/23

C-804

Water Details

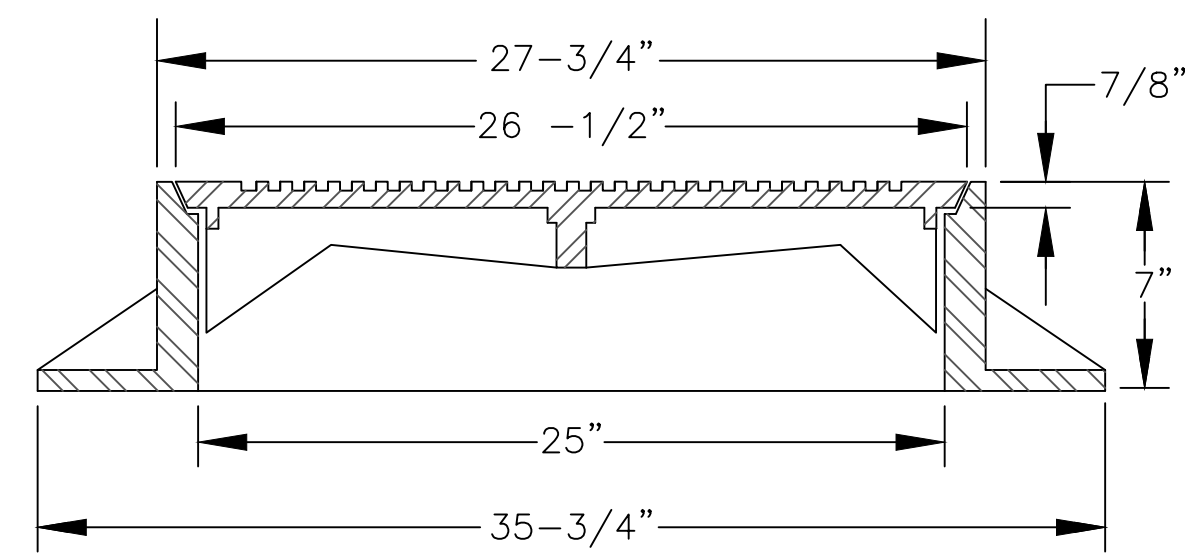


PLAN
MANHOLE CASTING



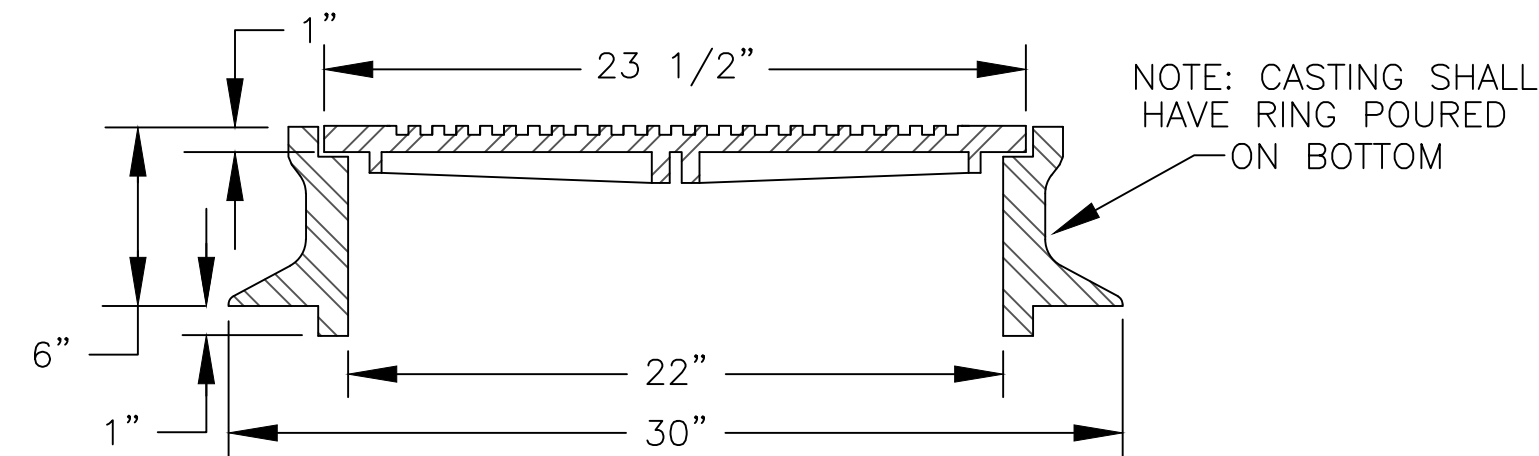
SECTION
TYPE "B" MANHOLE CASTING

NOTE: 1) USE TYPE "B" MANHOLE CASTING FOR ANY MANHOLE NOT IN STREET R.O.W.
2) USE HARPER NO. 1 (M.S.P.E. STANDARD) LIGHT WEIGHT (330 LBS), VULCAN. NO. VM-17 (300 LBS) OR OPELIKA FOUNDRY NO. C-2-1 (325 LBS).



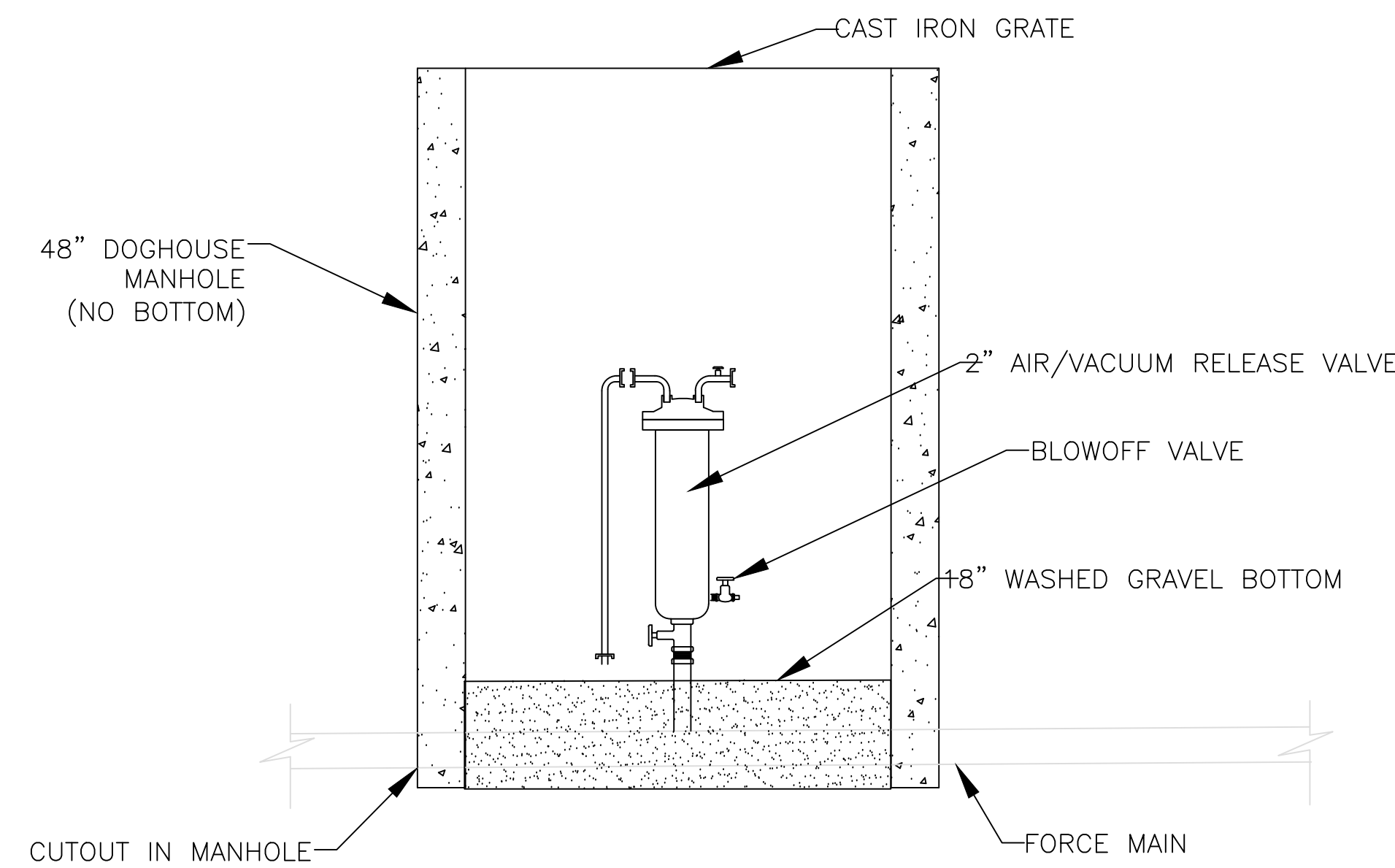
SECTION
TYPE "A" MANHOLE CASTING

NOTE:
1) USE TYPE "A" MANHOLE CASTING IN STREET R.O.W.
2) USE HARPER NO. 2 OR VULCAN NO. VM-15

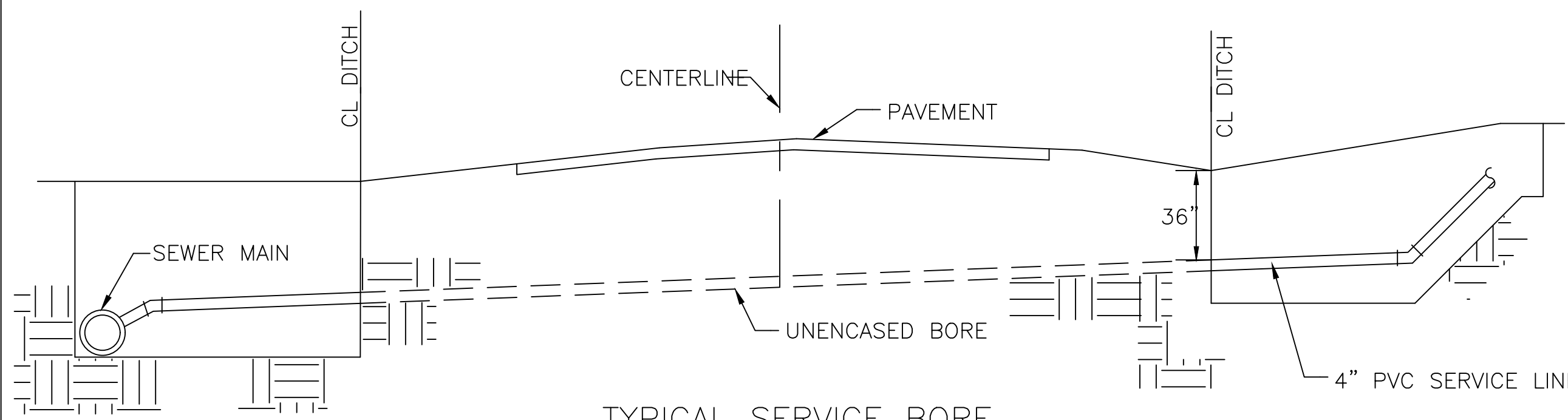


SECTION
TYPE "C" MANHOLE CASTING

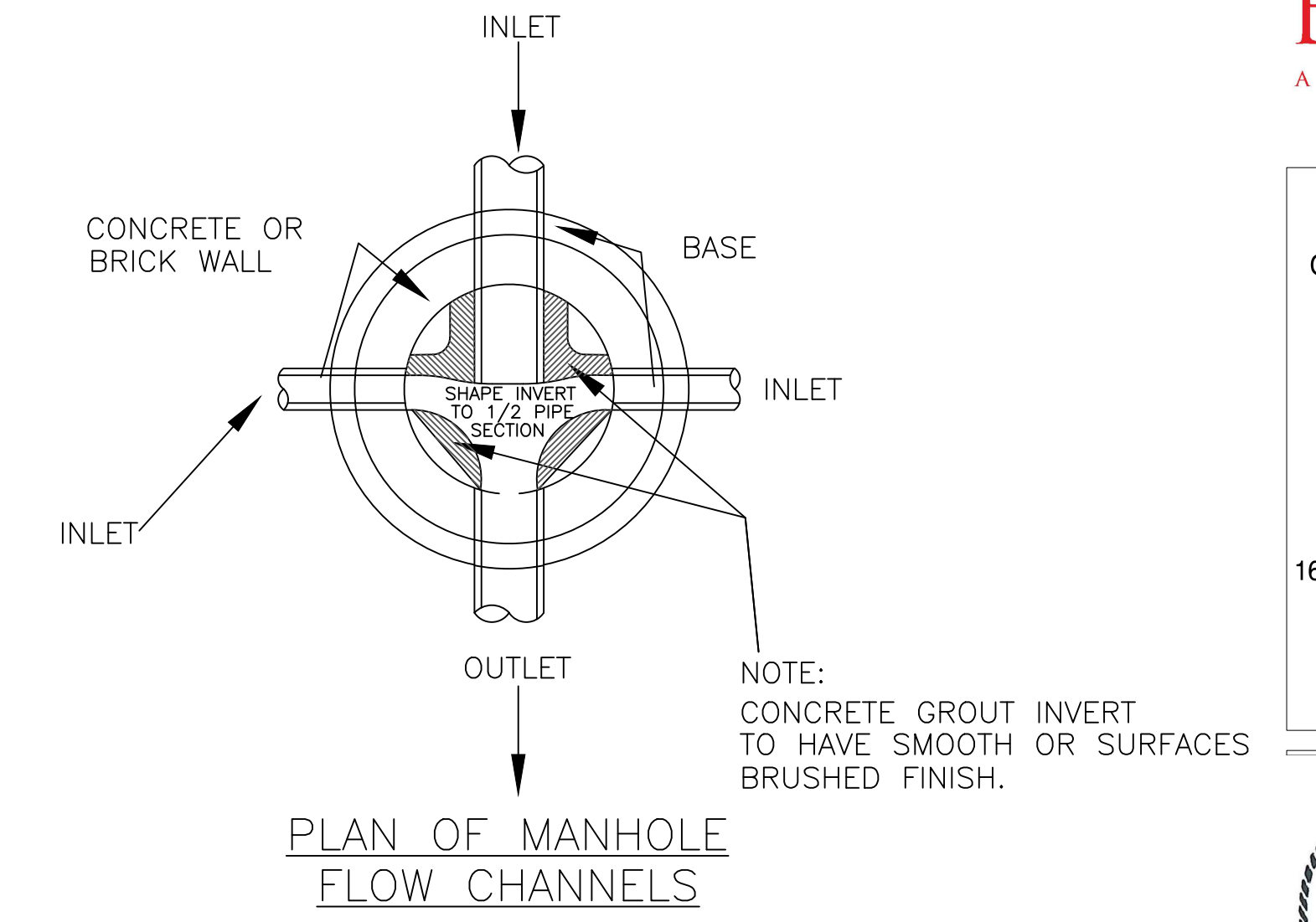
NOTE:
1) USE TYPE "C" MANHOLE CASTING FOR PRECAST MANHOLE NOT IN STREET R.O.W.
2) USE HARPER NO. 8 (330 LBS), NEENAH NO. R-1779 (300 LBS) OR VULCAN NO. VM-7 (330 LBS)



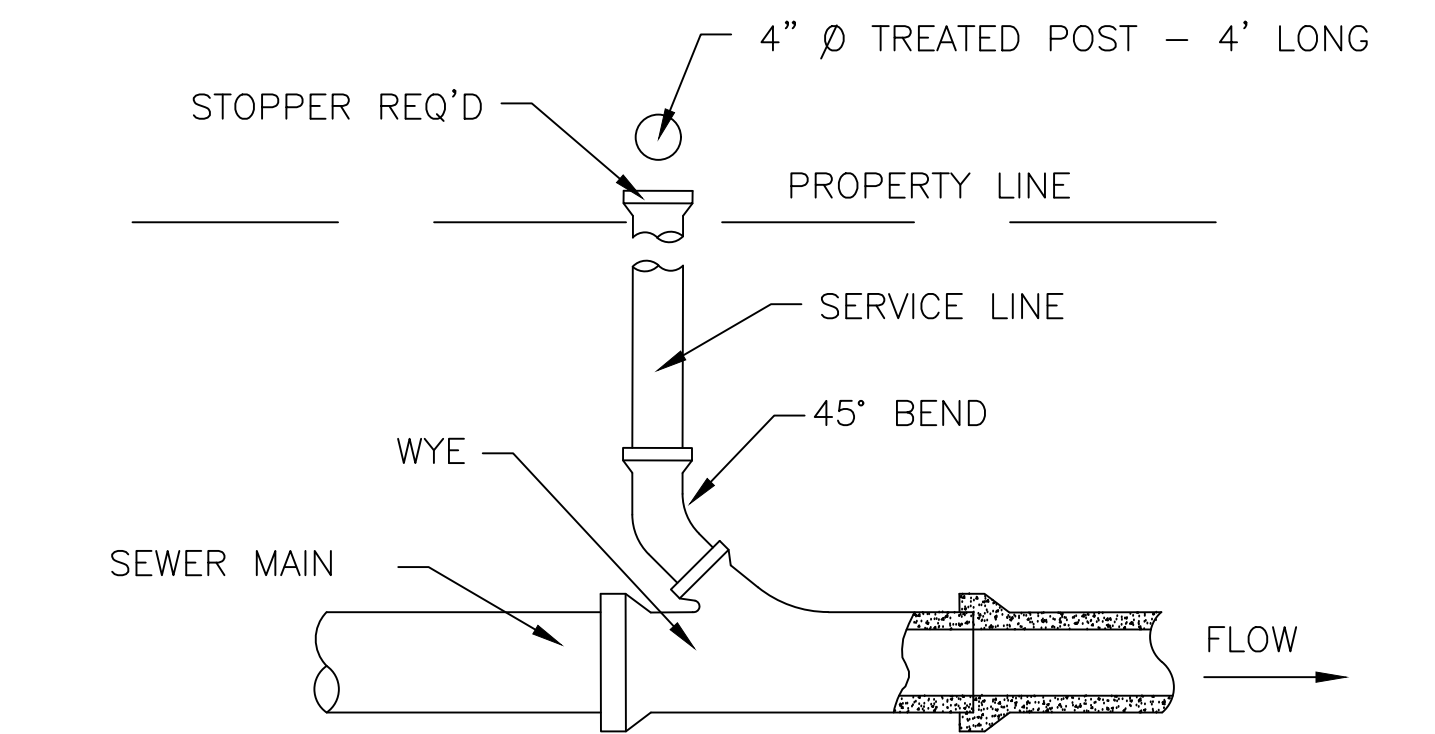
AIR/VACUUM RELEASE VALVE
NOTE: MANHOLE DEPTH VARIES AS REQUIRED



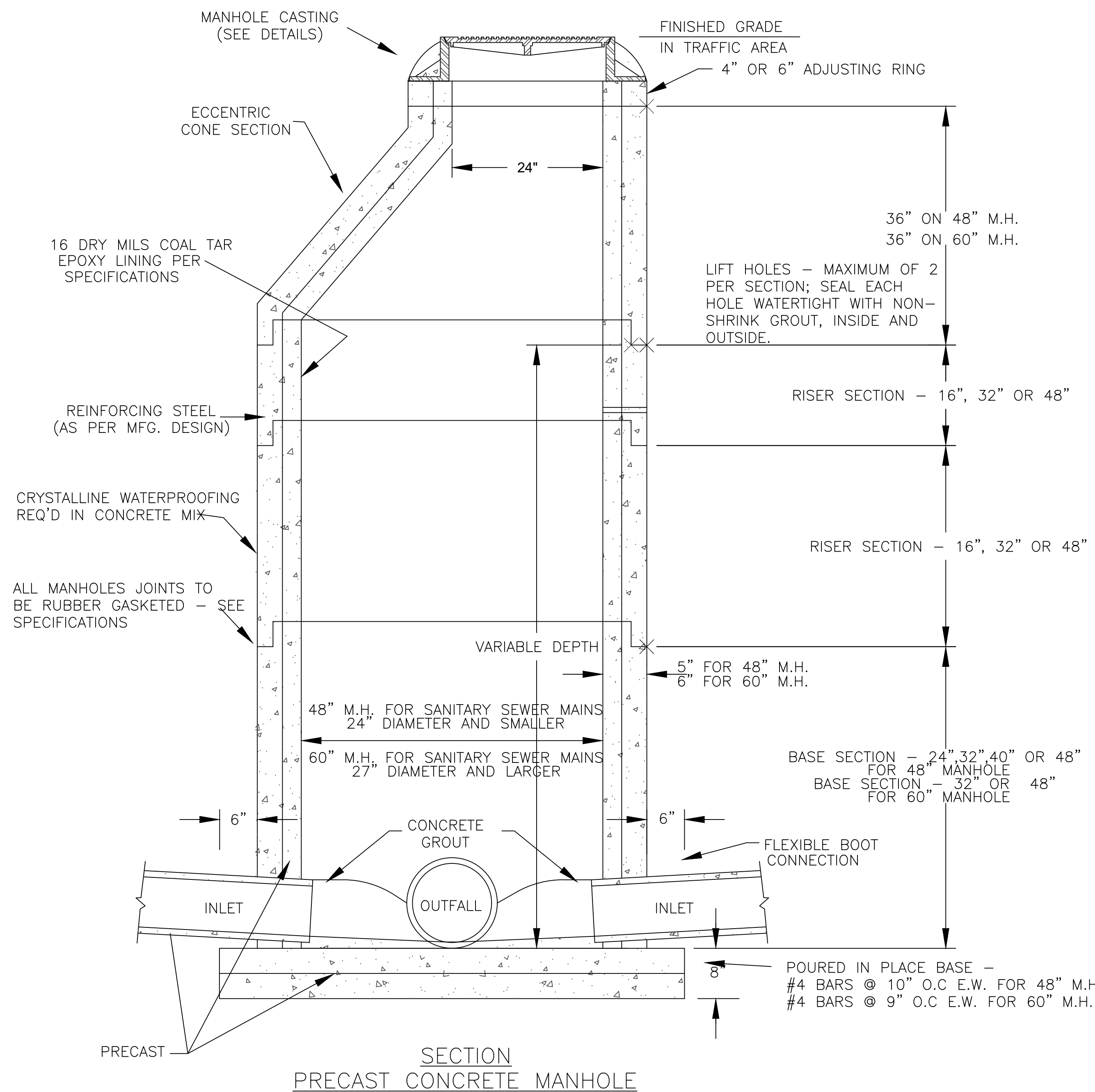
NOTE: IN AREAS WHERE CROSSING STATE/FEDERAL HIGHWAYS, SEE HIGHWAY PERMIT FOR SPECIFIC AND/OR ADDITIONAL INFORMATION.



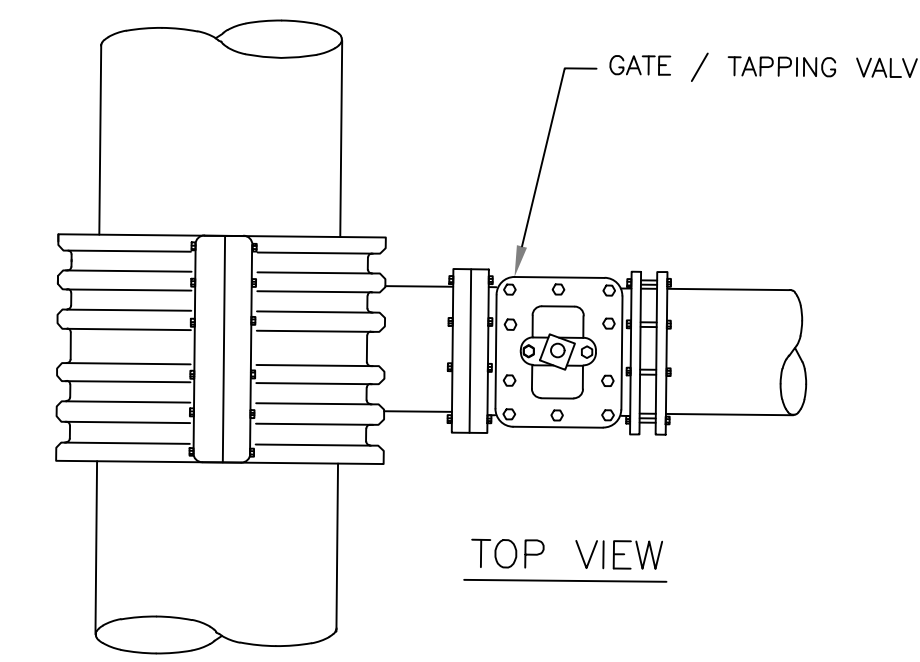
PLAN OF MANHOLE
FLOW CHANNELS



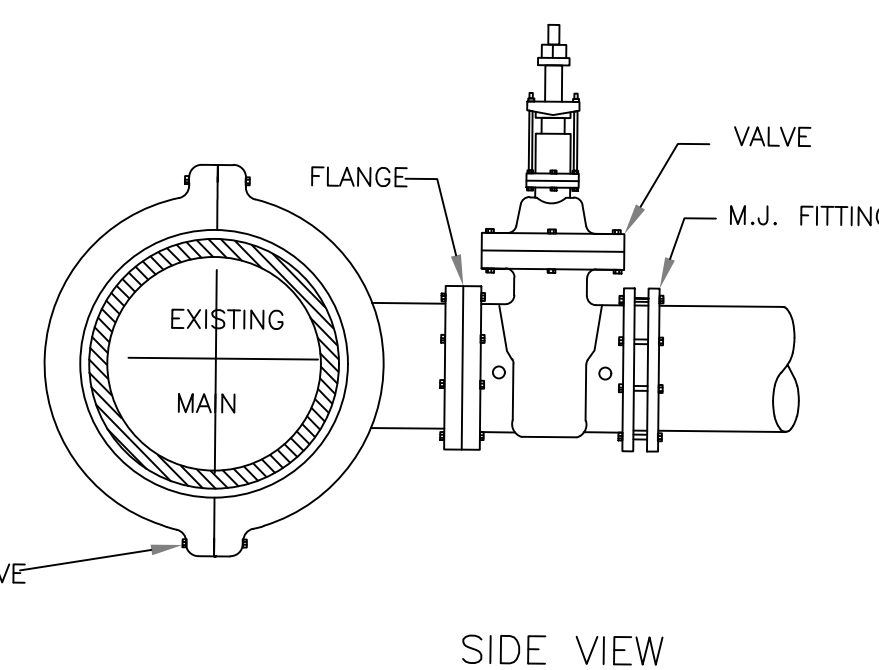
TYPICAL SERVICE CONNECTION
WITH WYE



SECTION
PRECAST CONCRETE MANHOLE

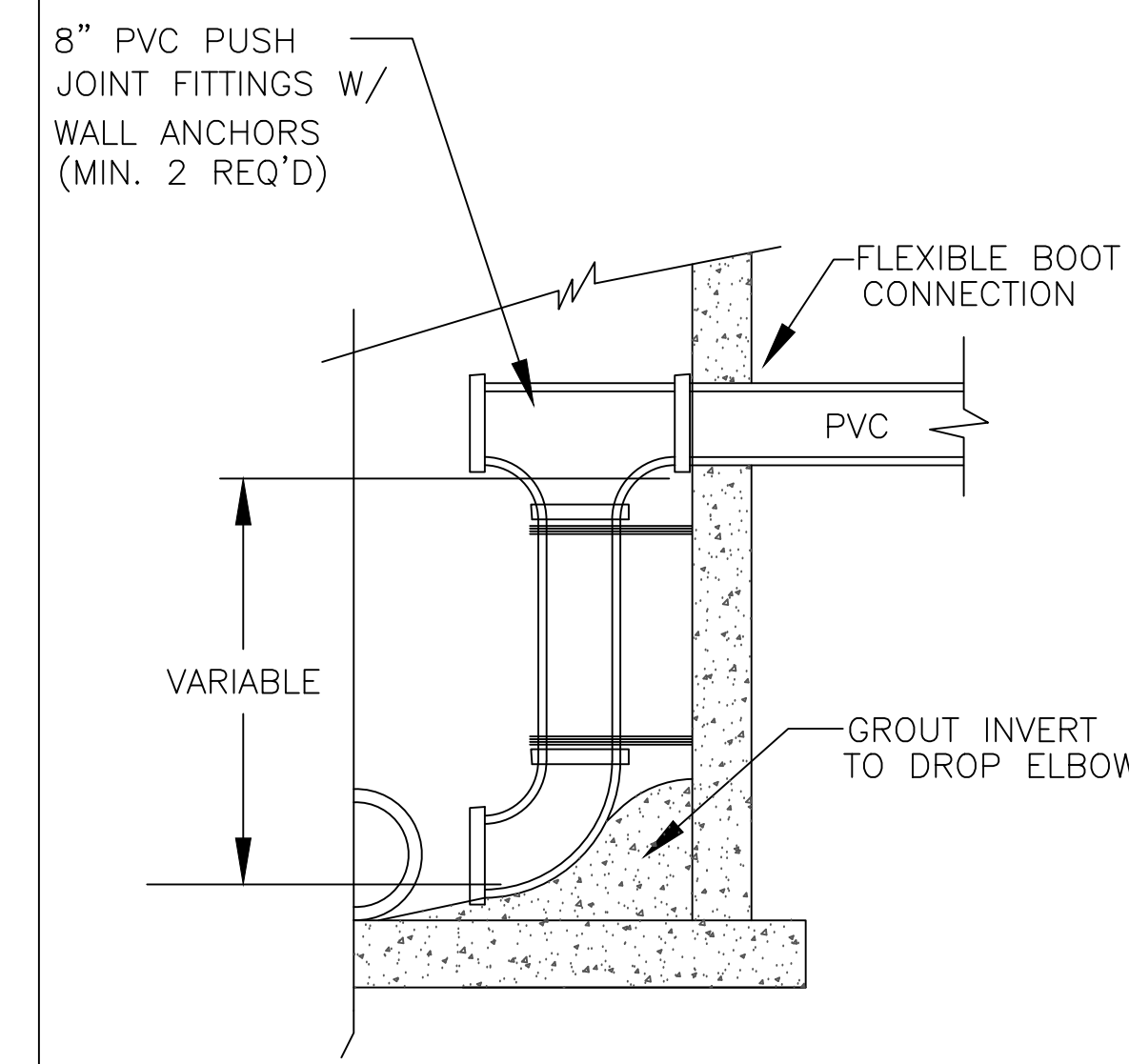


TOP VIEW

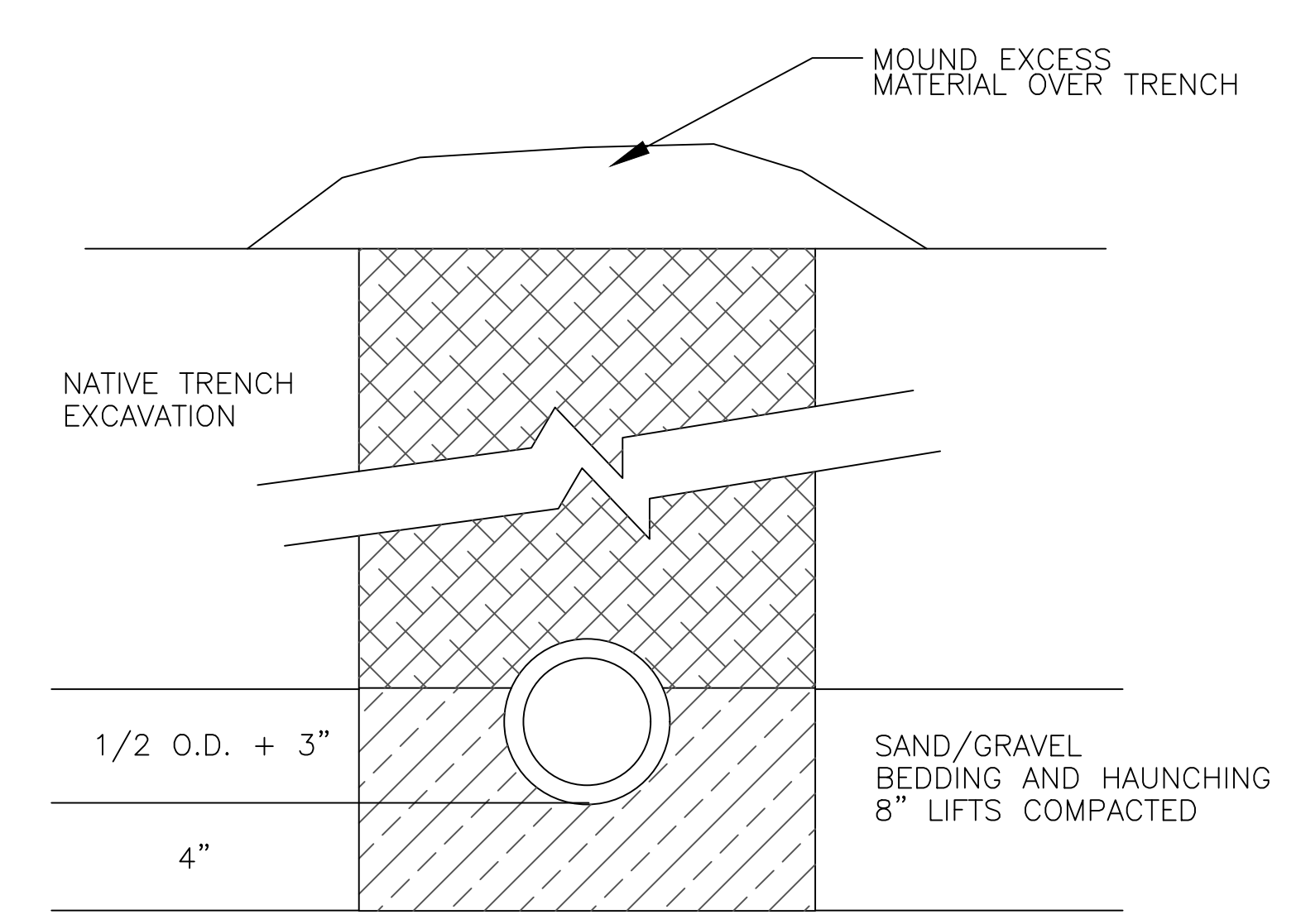


SIDE VIEW

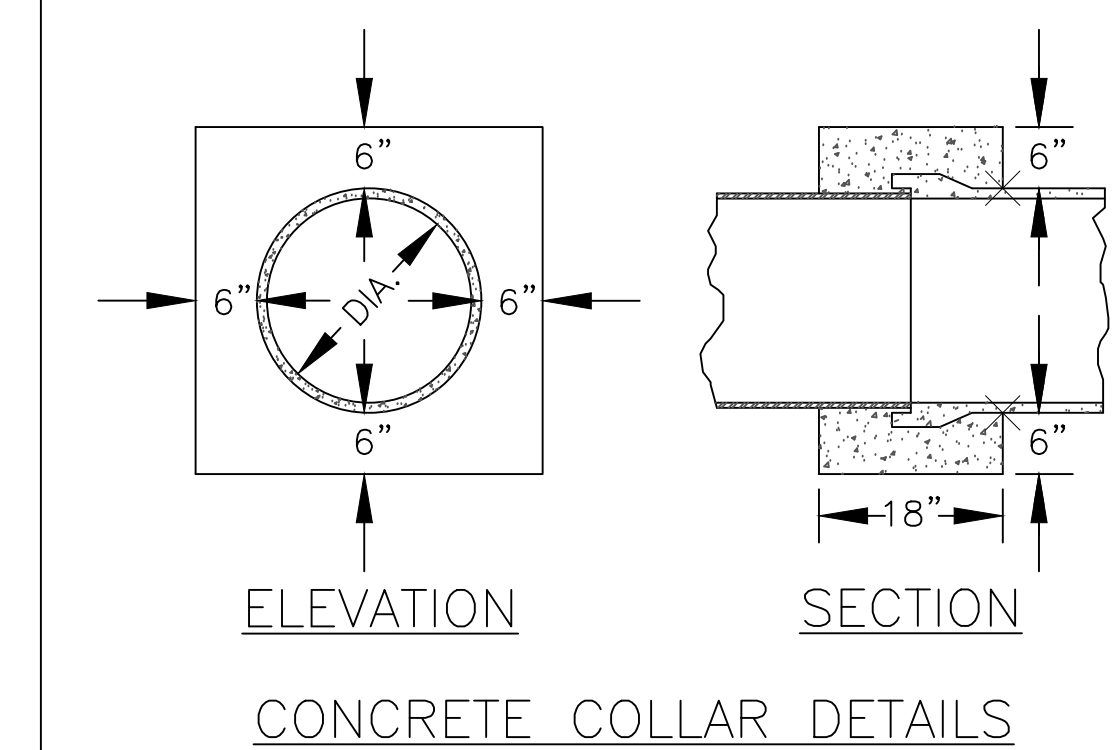
HOT TAP VALVE ASSEMBLY



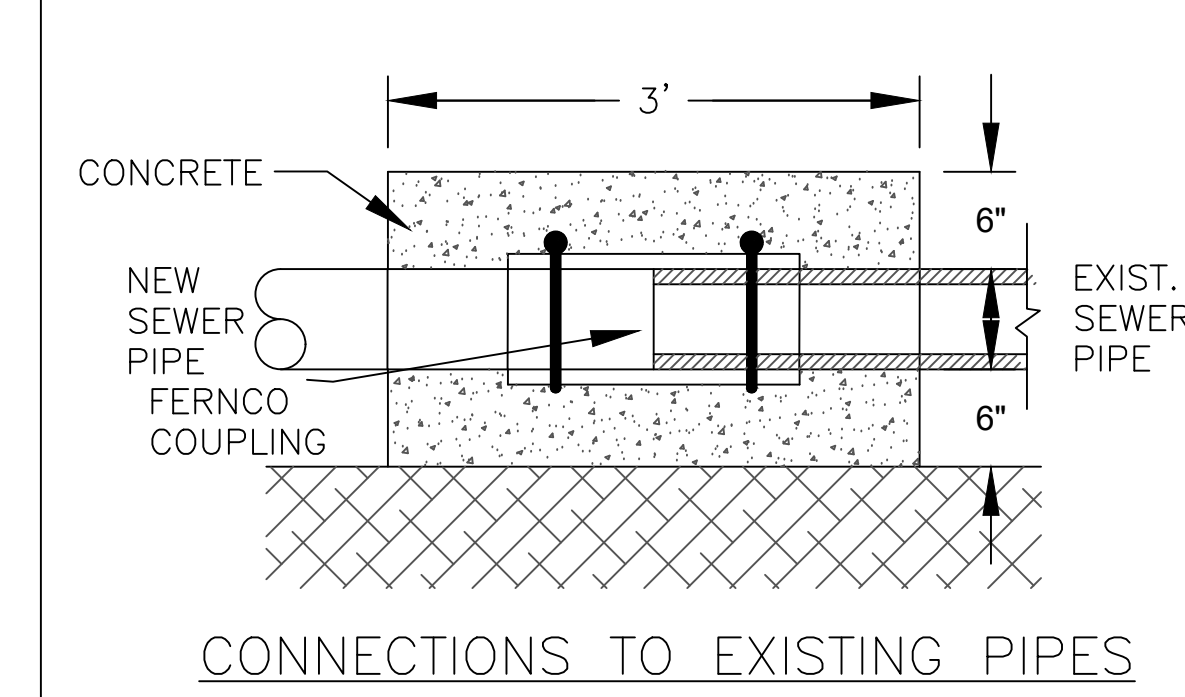
MANHOLE WITH INTERNAL
DROP CONNECTION



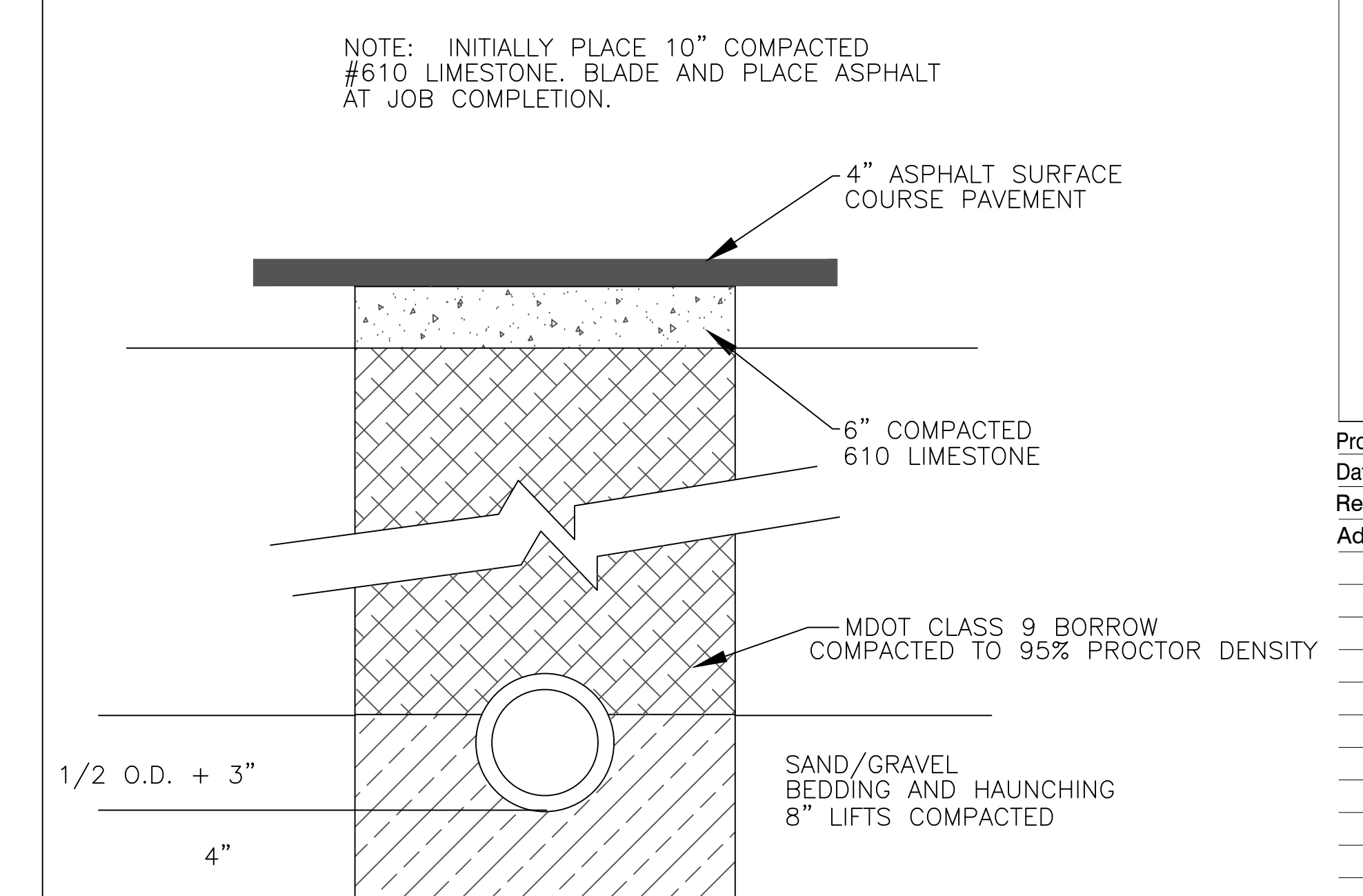
PVC GRAVITY PIPE BEDDING
& HAUNCHING BACKFILL DETAIL



ELEVATION SECTION
CONCRETE COLLAR DETAILS



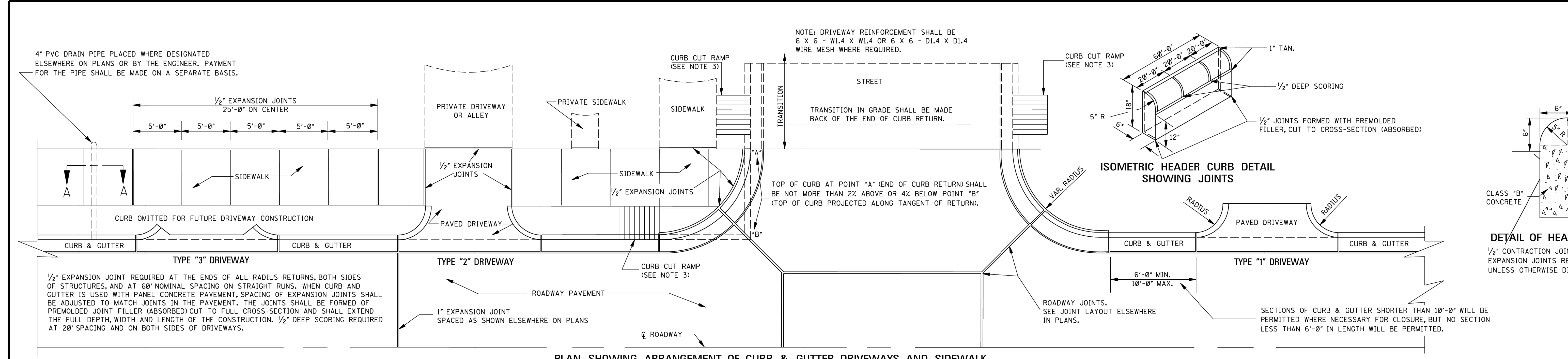
CONNECTIONS TO EXISTING PIPES



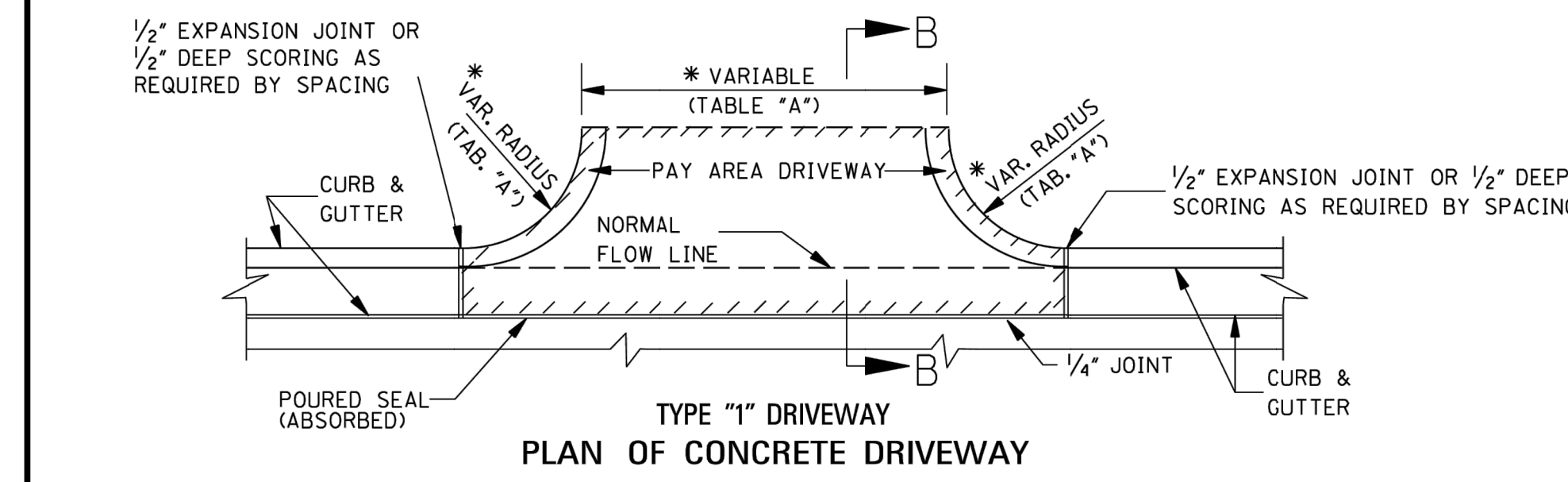
TYPICAL STREET REPAIR



STATE	PROJECT NO.
MISS.	



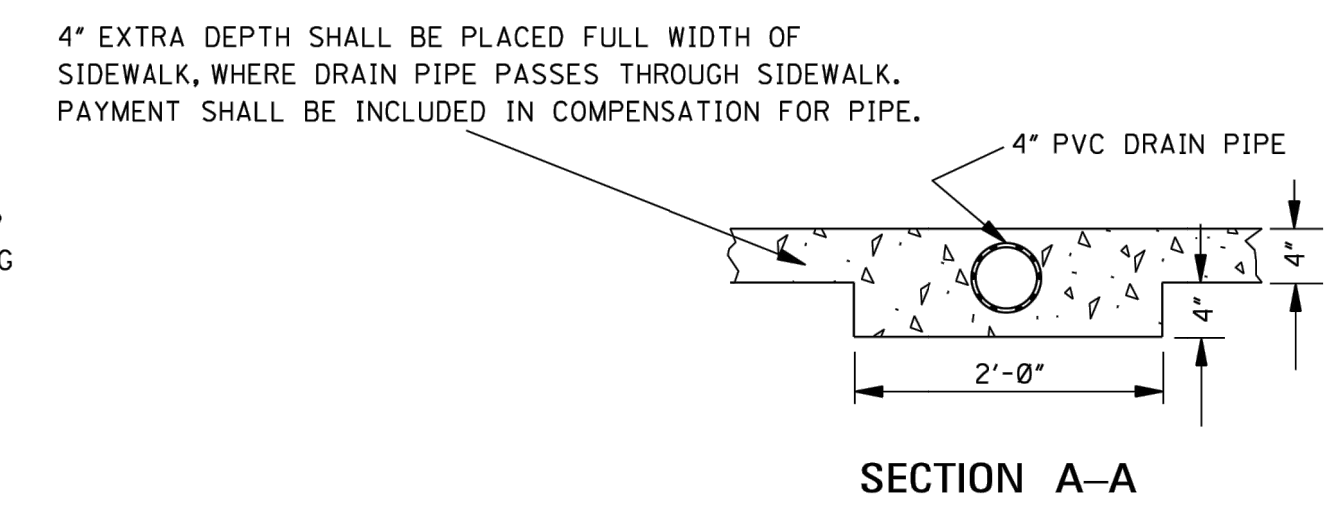
PLAN SHOWING ARRANGEMENT OF CURB & GUTTER, DRIVEWAYS AND SIDEWALK



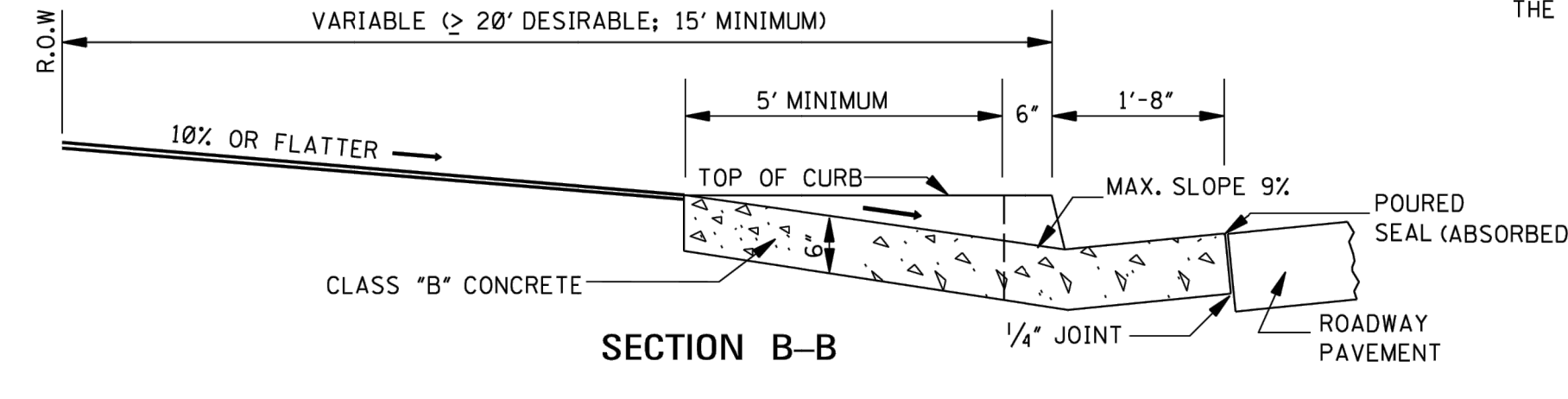
PLAN OF CONCRETE DRIVEWAY TYPE 1 DRIVEWAY

* TABLE "A"

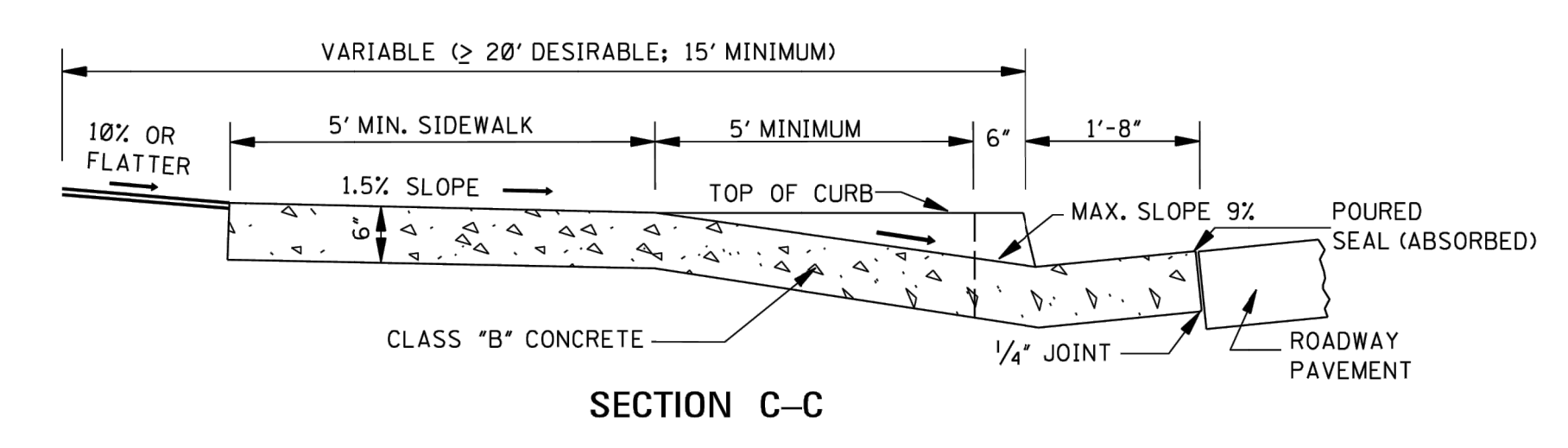
DRIVEWAY TYPE	DRIVEWAY WIDTH	CURB RETURN RADIUS
RESIDENTIAL	16'	5' - 10'
COMMERCIAL/INDUSTRIAL	30' - 50'	10' - 30'



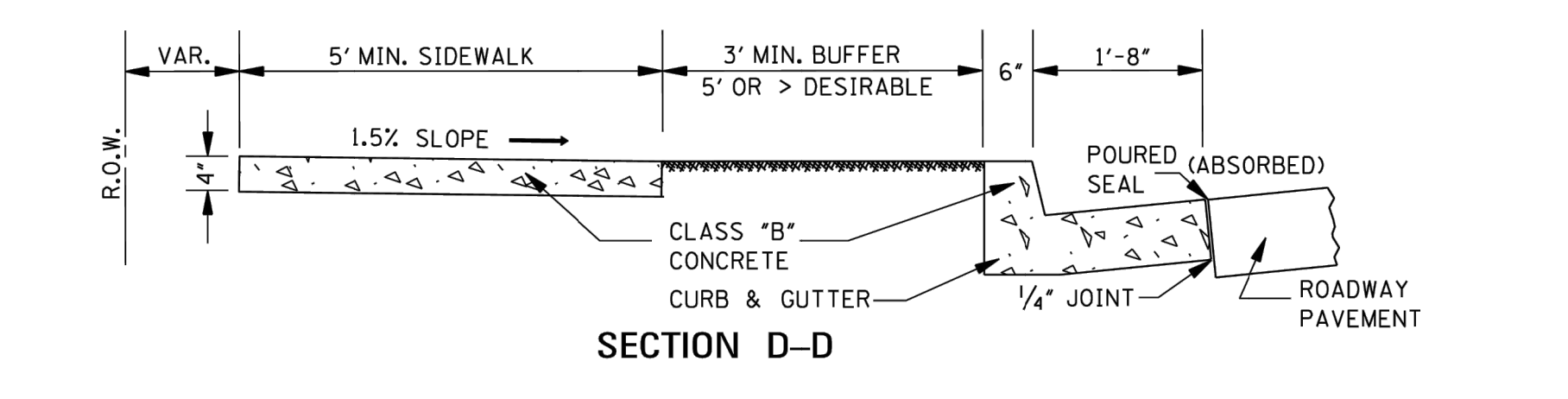
SECTION A-A



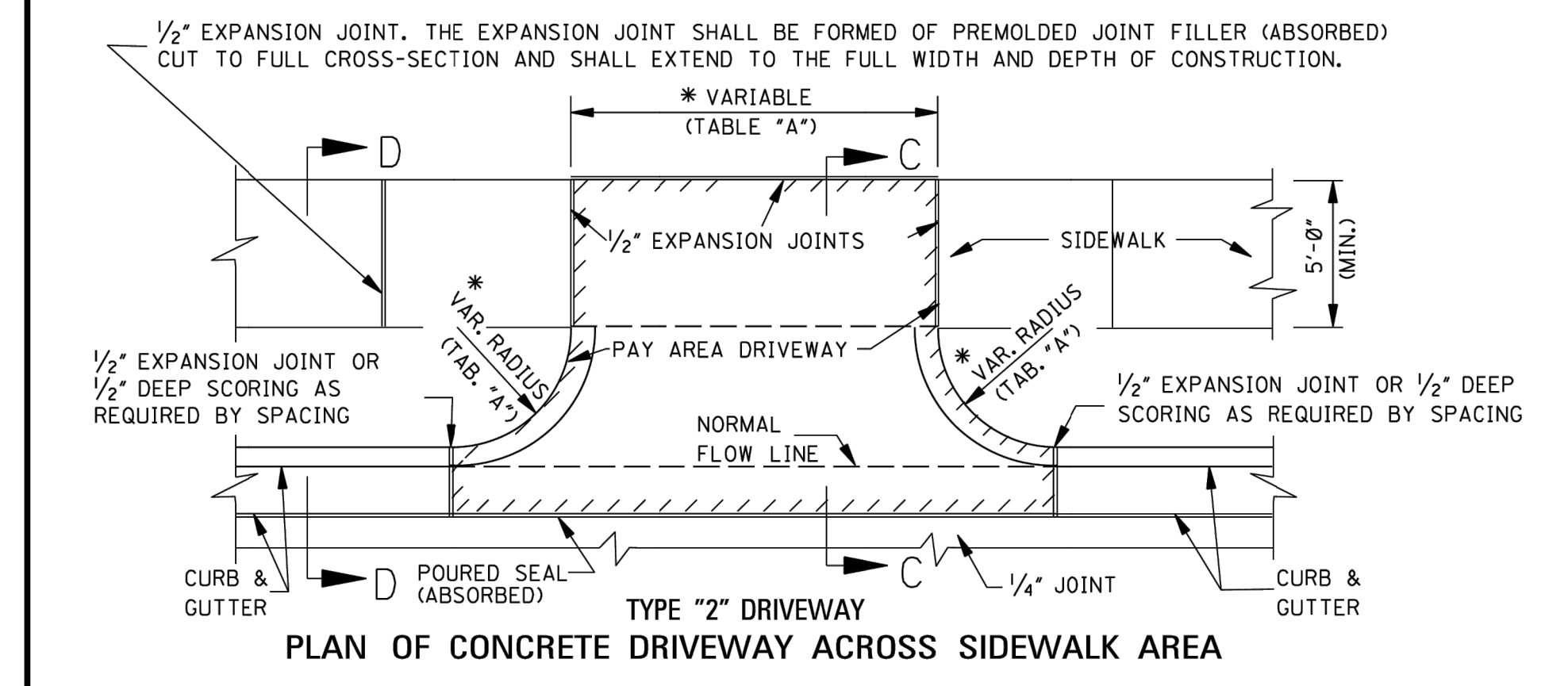
SECTION B-B



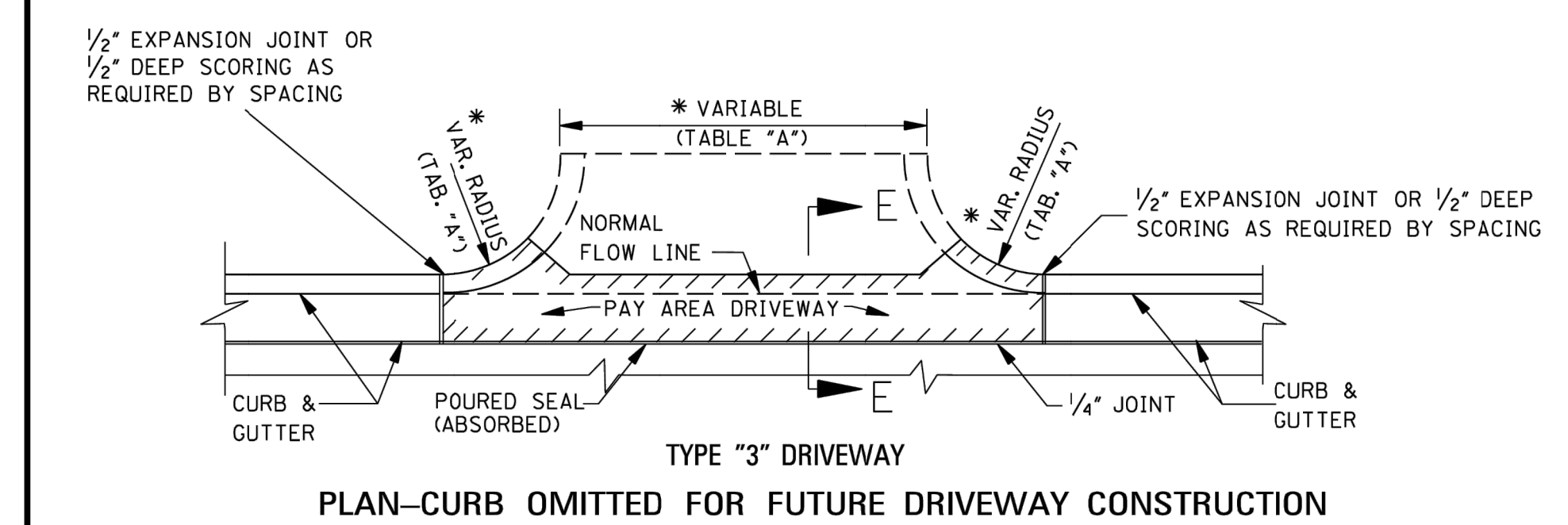
SECTION C-C



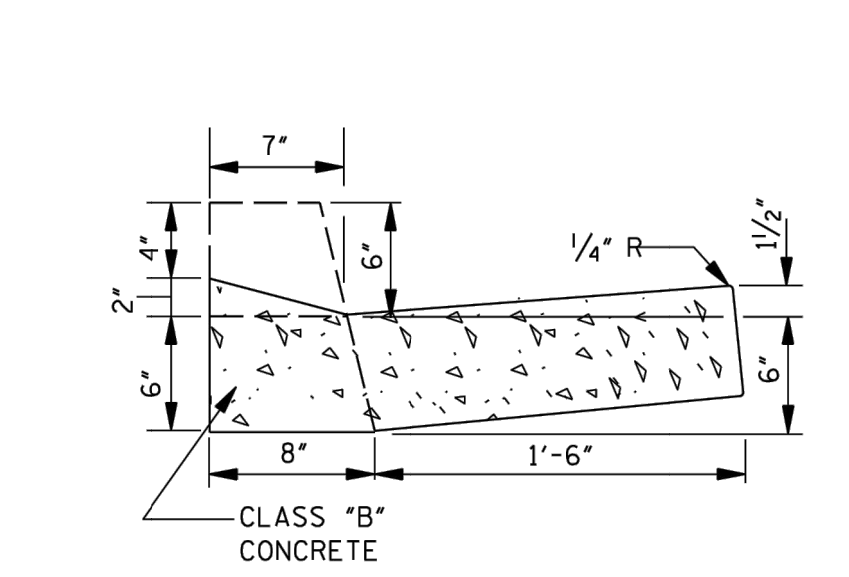
SECTION D-D



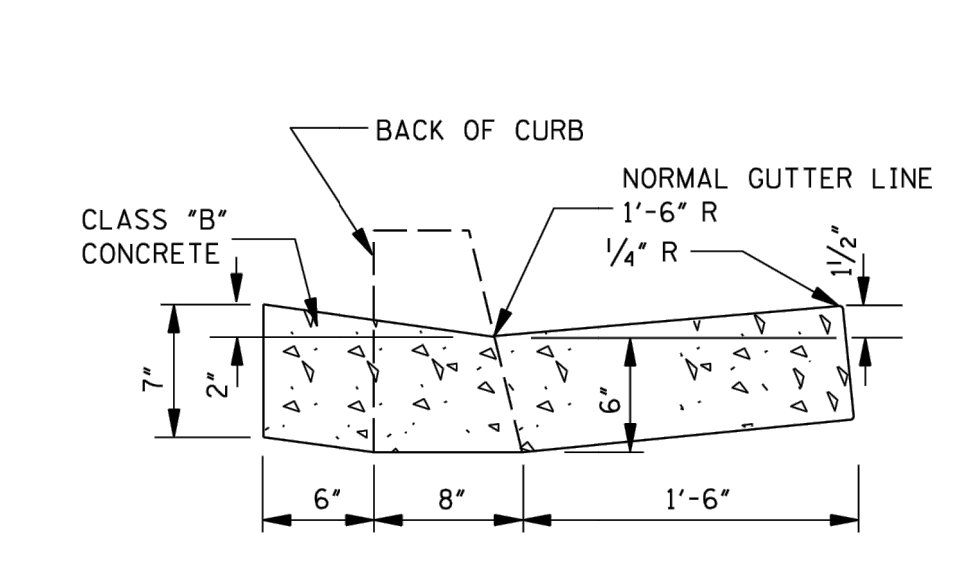
PLAN OF CONCRETE DRIVEWAY ACROSS SIDEWALK AREA TYPE 2 DRIVEWAY



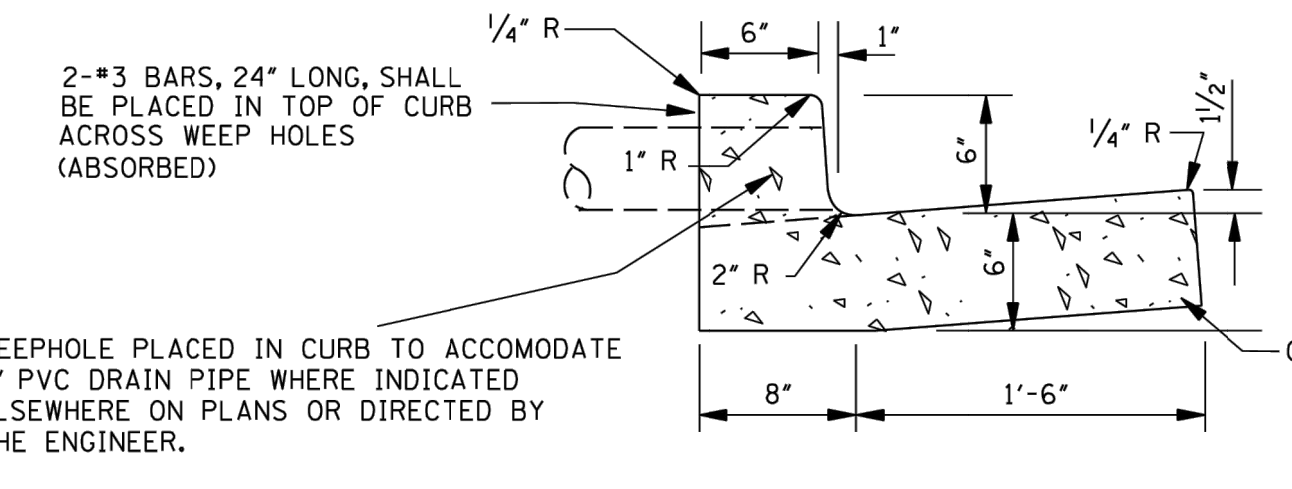
PLAN-CURB OMITTED FOR FUTURE DRIVEWAY CONSTRUCTION TYPE 3 DRIVEWAY



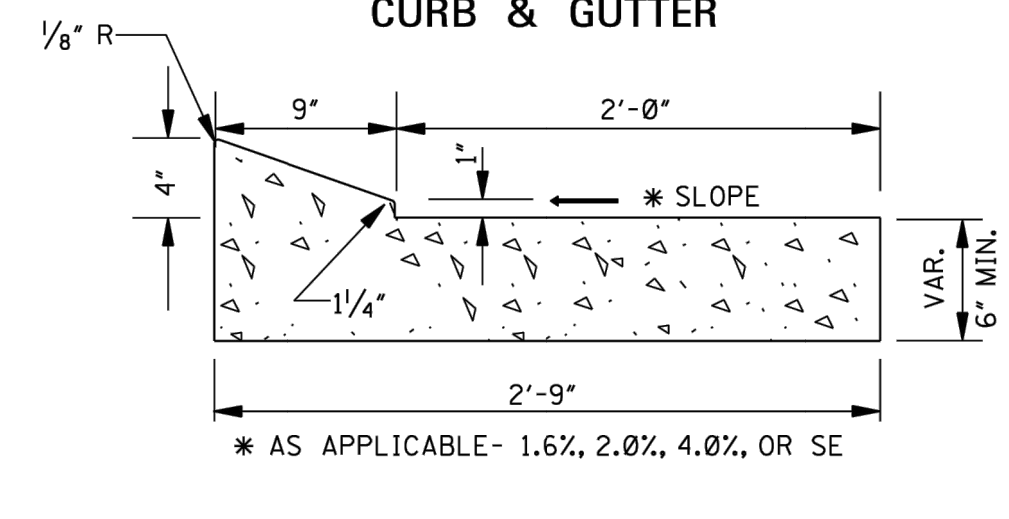
SECTION E-E



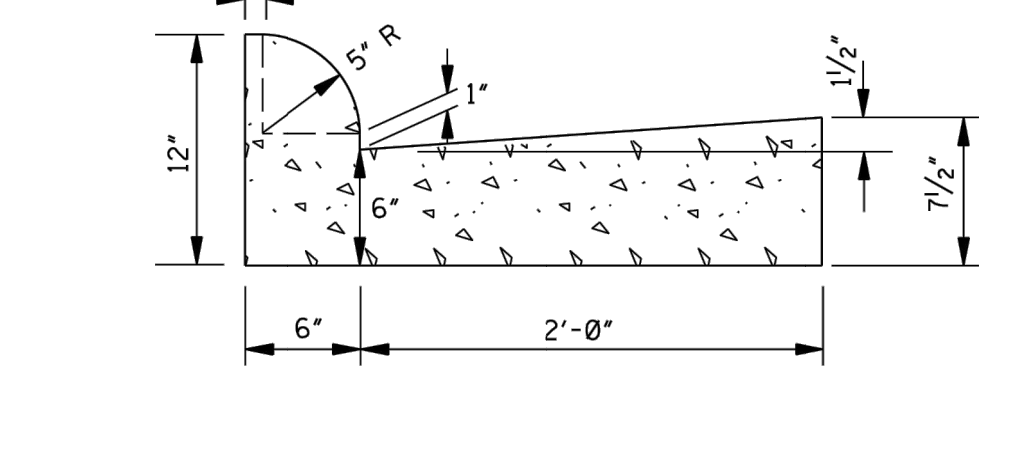
DETAIL OF VALLEY GUTTER



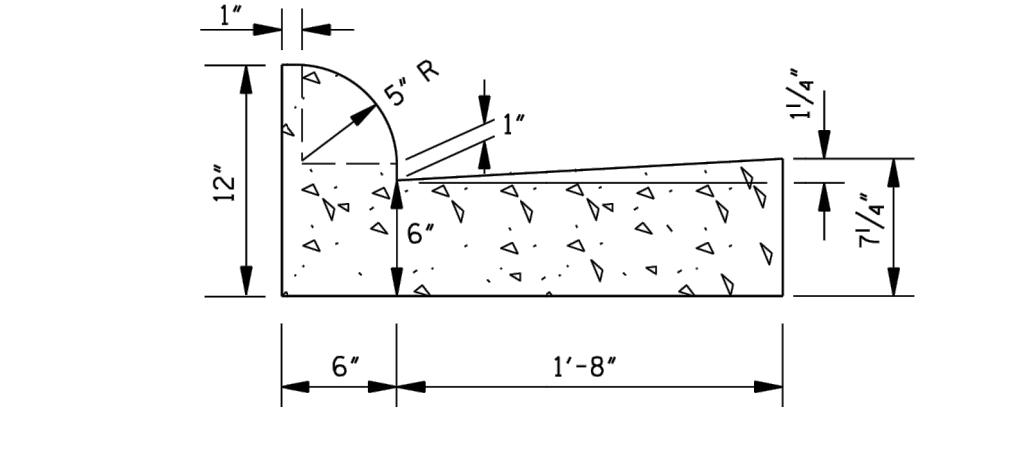
TYPE 1
DETAIL OF COMBINATION CURB & GUTTER



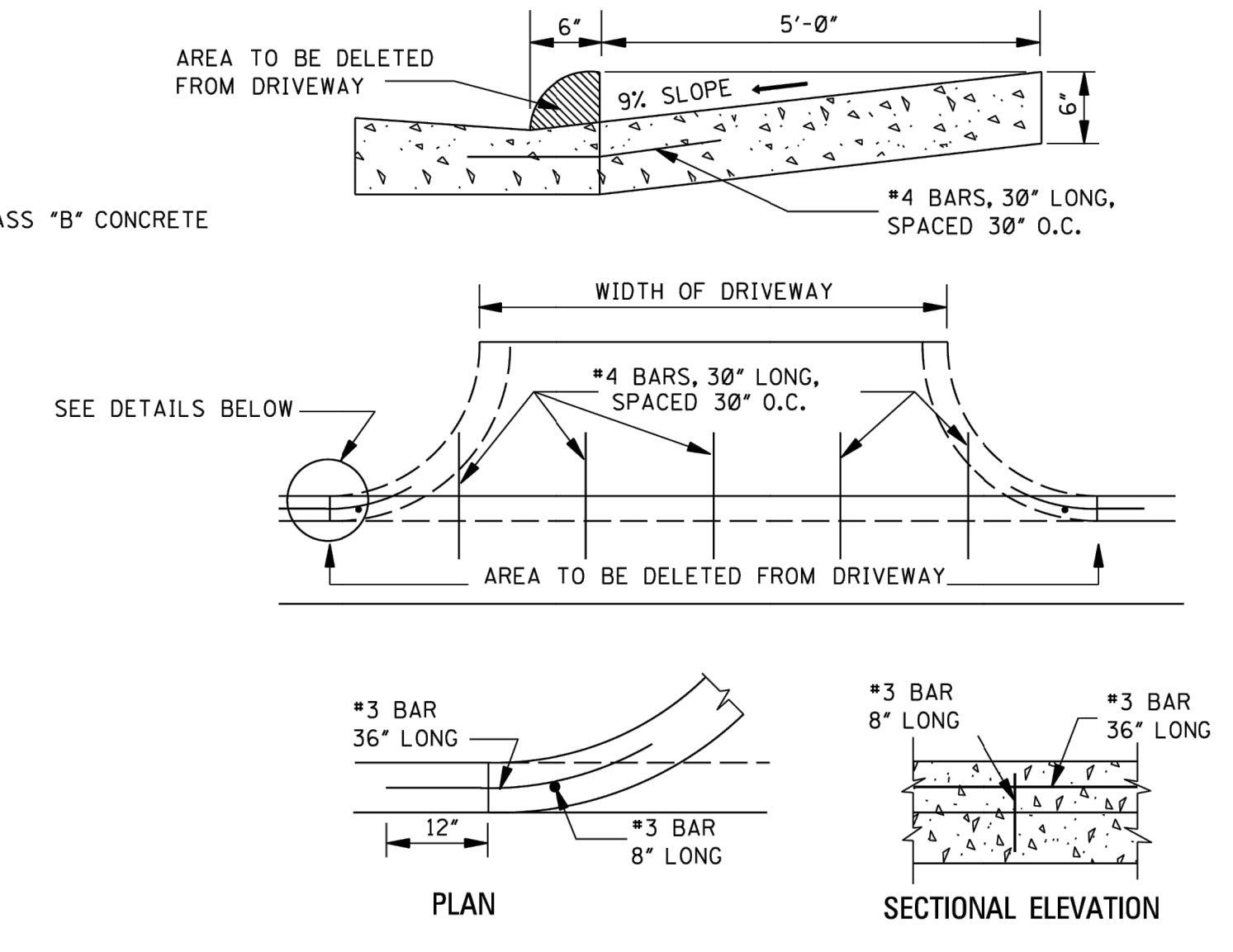
TYPE 2
DETAIL OF COMBINATION CURB & GUTTER



TYPE 3A
DETAIL OF COMBINATION CURB & GUTTER



TYPE 3B
DETAIL OF COMBINATION CURB & GUTTER



PERMISSIBLE DRIVEWAY CONSTRUCTION METHOD FOR SLIP-FORM PLACEMENT OF CURB & GUTTER

GENERAL NOTES:

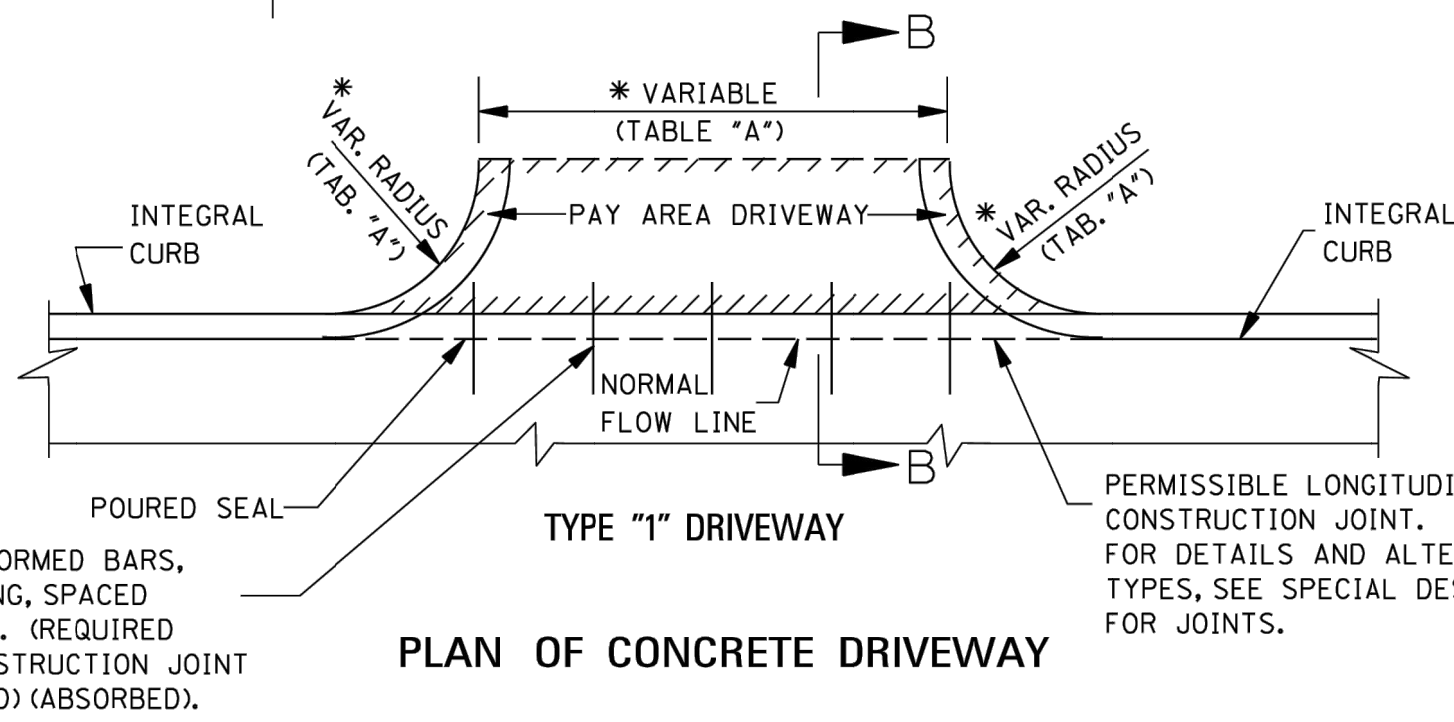
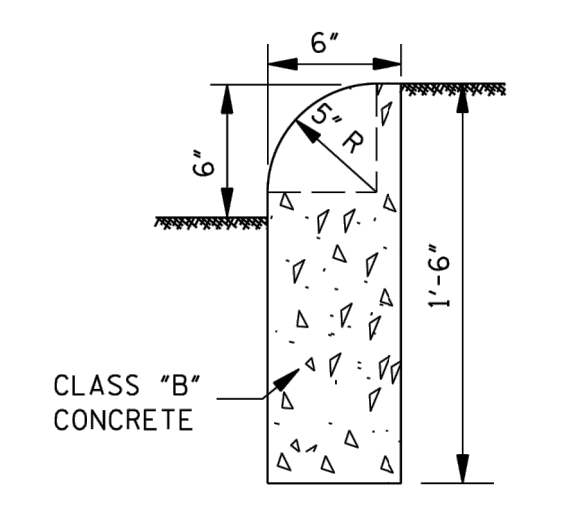
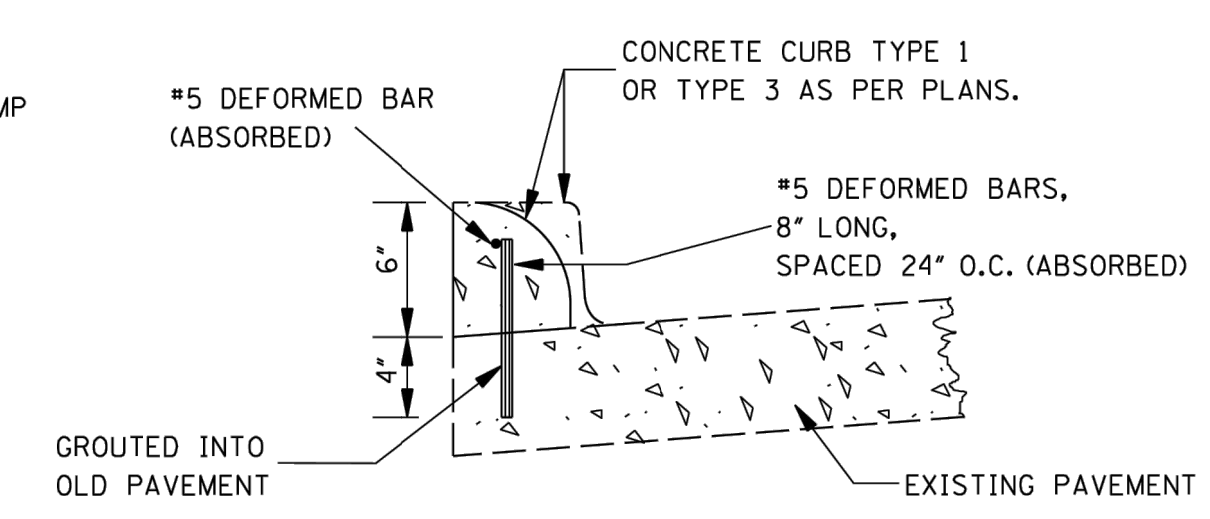
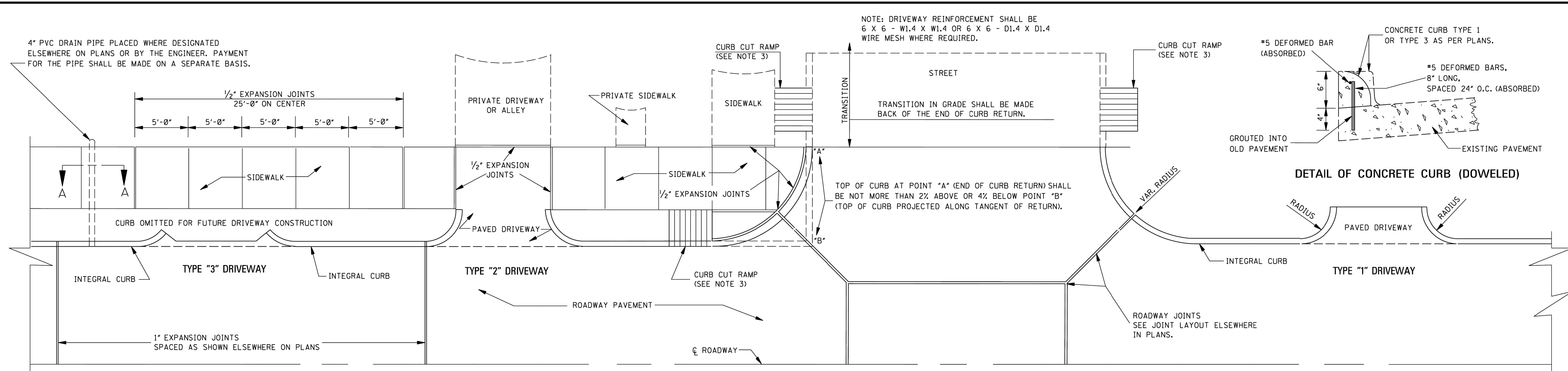
1. TRANSVERSE CONTRACTION JOINTS ARE REQUIRED AT 20' ON CENTER FOR ALL CONCRETE DRIVEWAYS THAT EXTEND PAST THE END OF THE CURB RETURN. A 1/2" WIDE EXPANSION JOINT IS REQUIRED AT THE END OF THE CURB RETURN AND AT 60" ON CENTER THROUGHOUT THE LENGTH OF THE DRIVEWAY. A LONGITUDINAL CONTRACTION JOINT IS REQUIRED FOR ALL DRIVEWAYS EXCEEDING 20' IN WIDTH.
2. SEE WK. NOS. CR-1, CR-2, CR-3 & CR-4 FOR DETAILS OF CURB-CUT RAMPS.
3. MAXIMUM 2% CROSS-SLOPE ON SIDEWALKS.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION ROADWAY DESIGN DIVISION STANDARD PLAN	
DRIVEWAYS, CURB & GUTTER, & SIDEWALK	
DATE	ISSUE DATE: AUGUST 01, 2017
BY	
REVISION	
WORKING NUMBER SD-1	SHEET NUMBER 6419

	204 West Leake Street Clinton, Mississippi 39056 p. 601.925.4444
	132 West Cherokee Street Brookhaven, Mississippi 39601 p. 601.833.9598

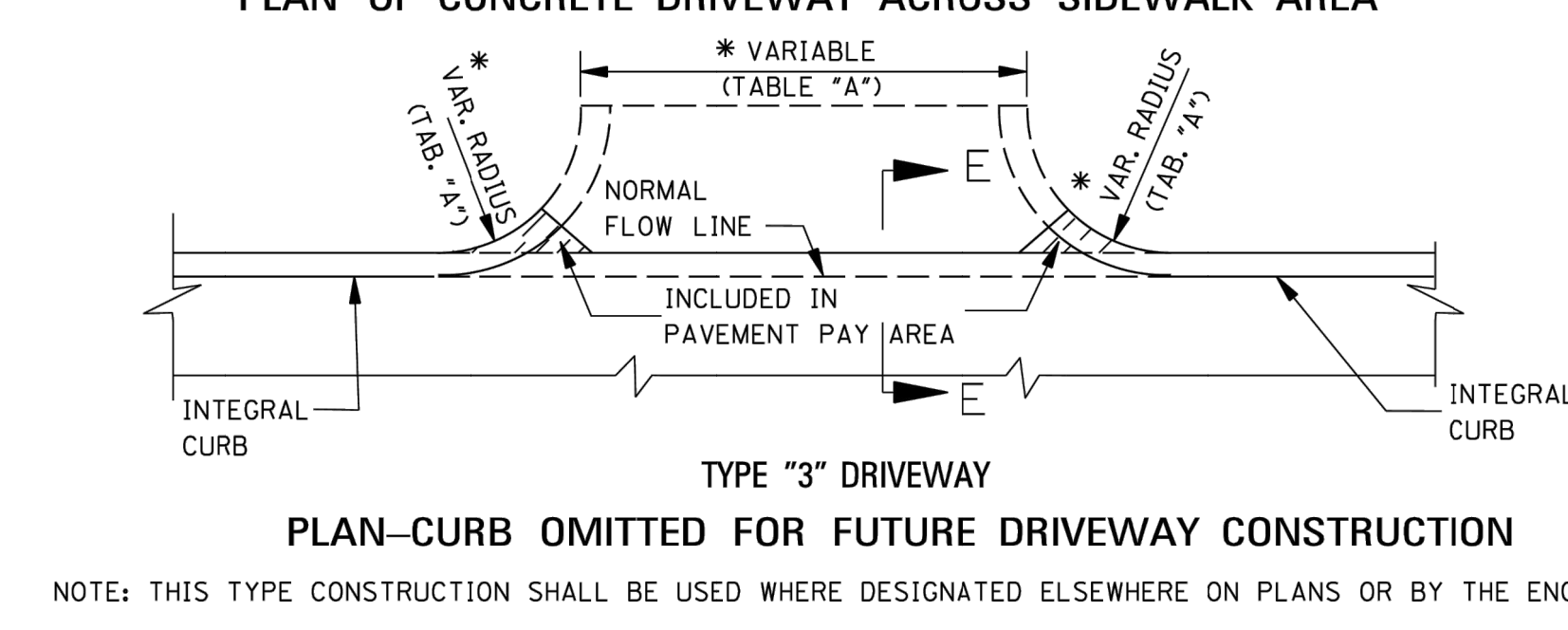
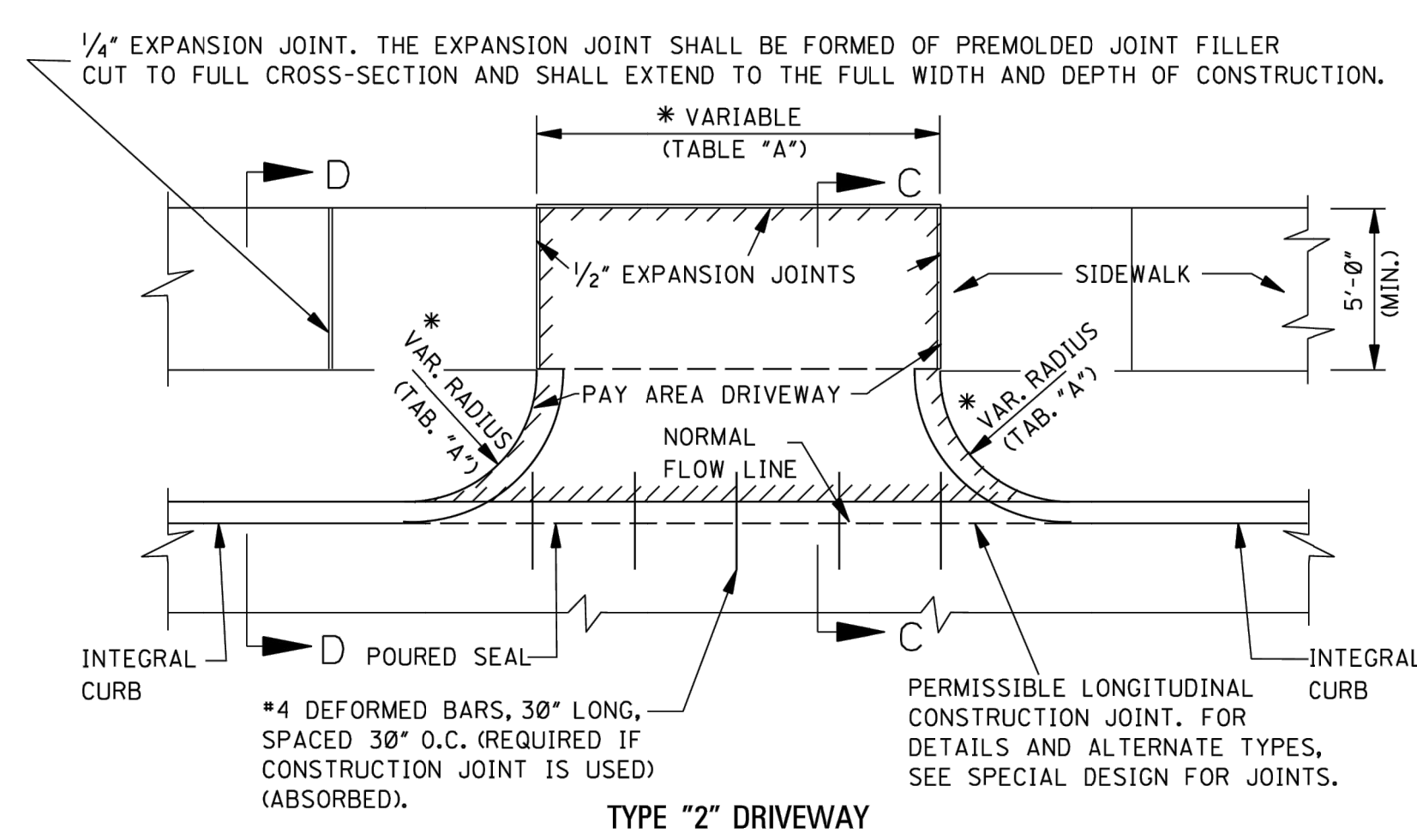
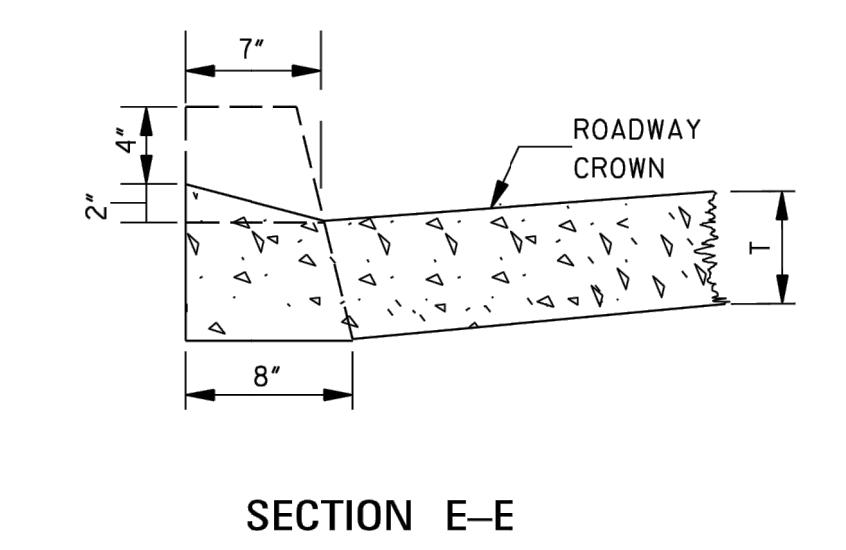
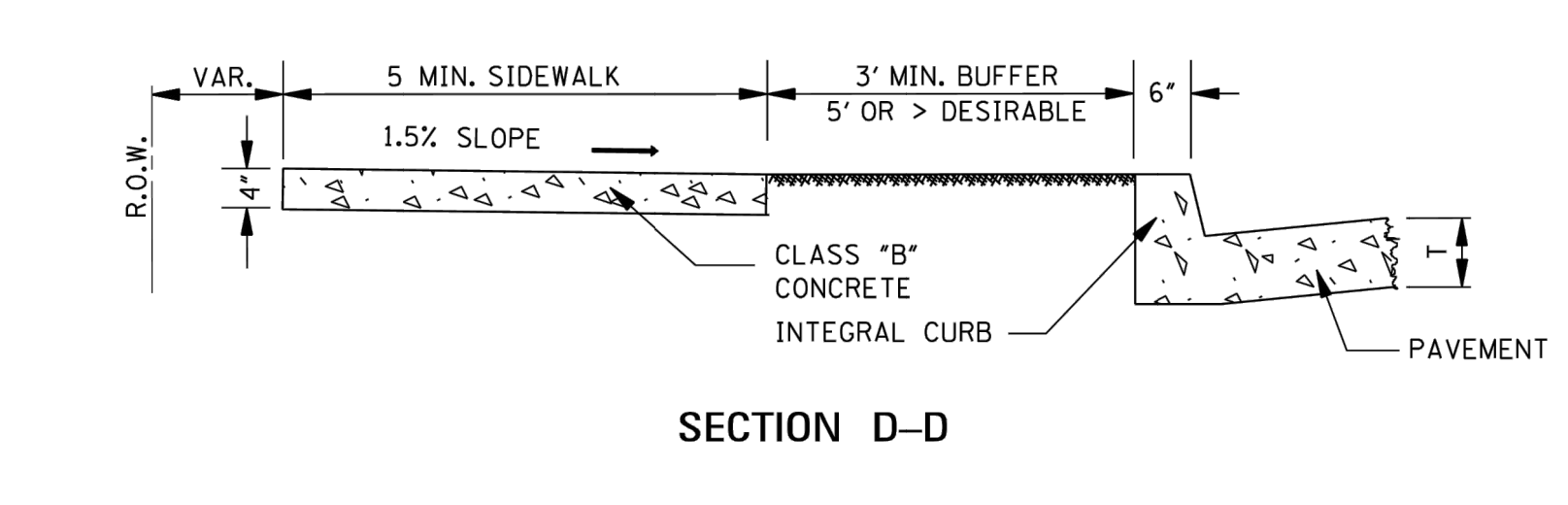
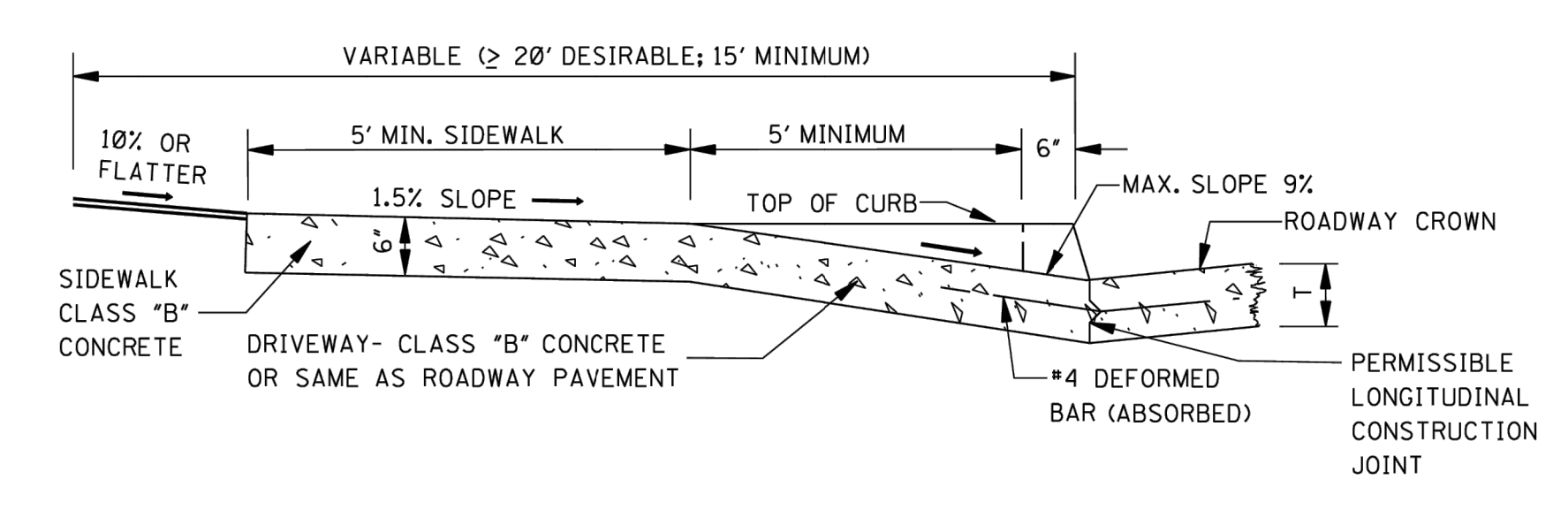
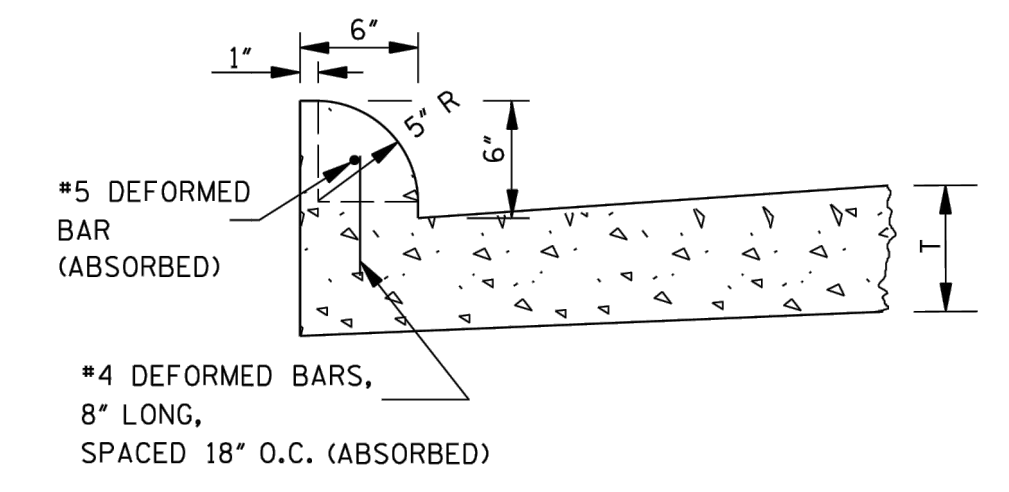
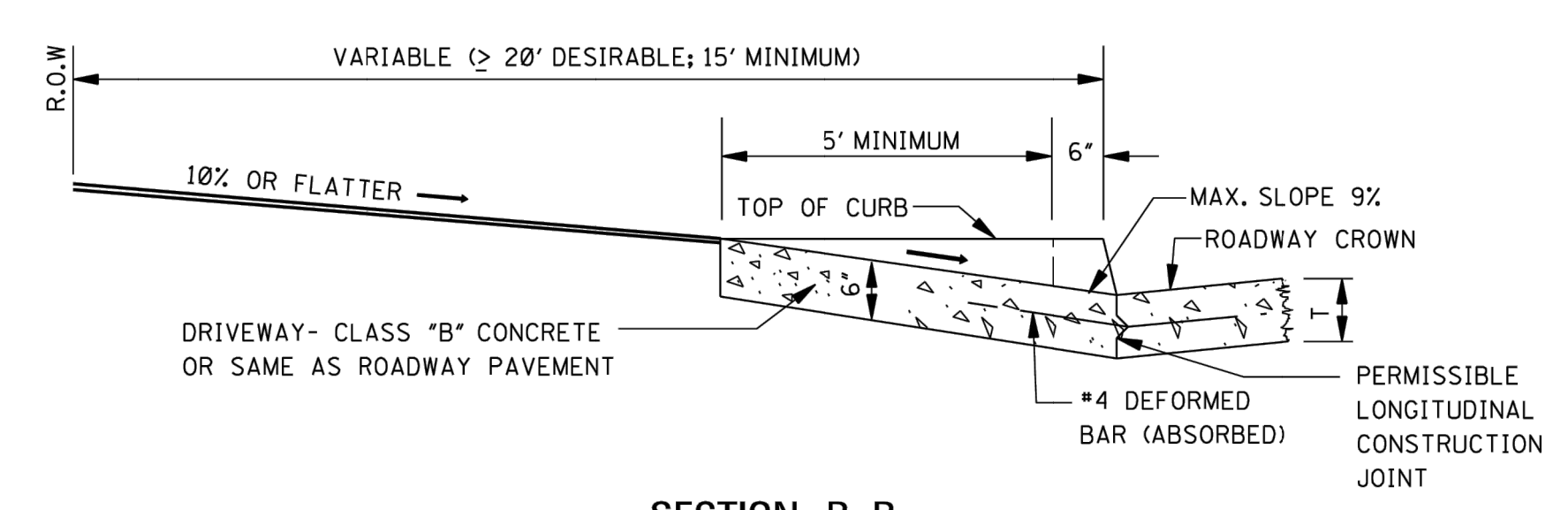
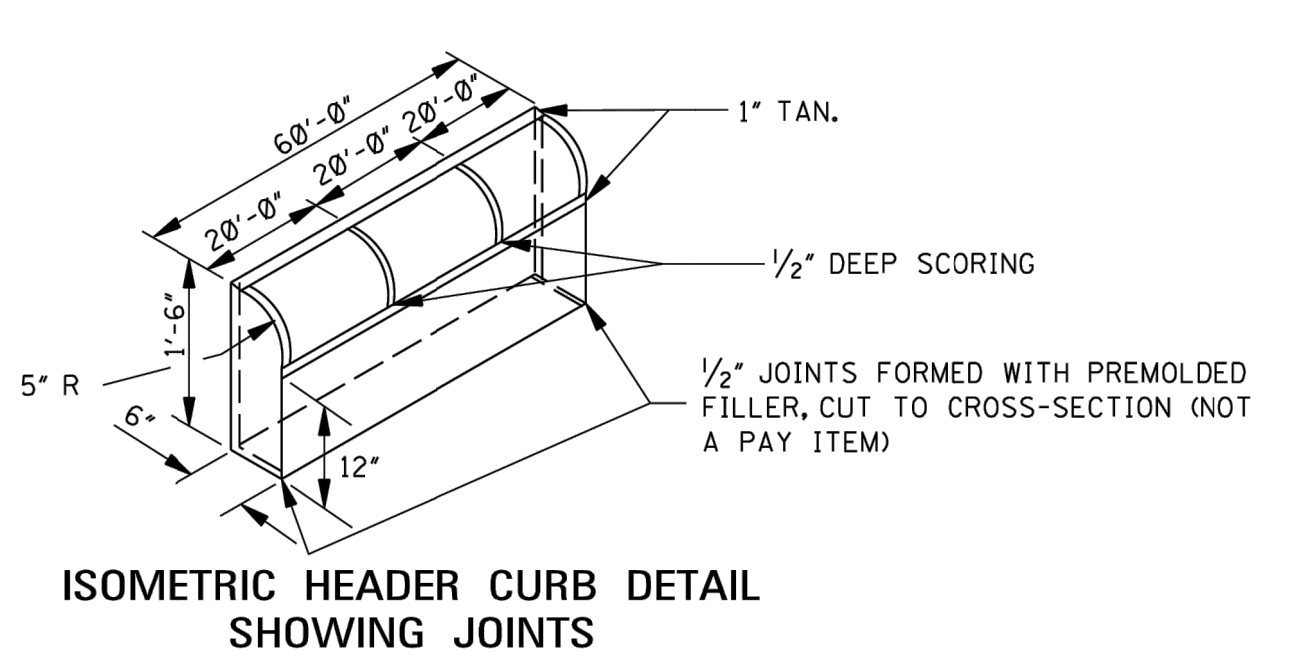
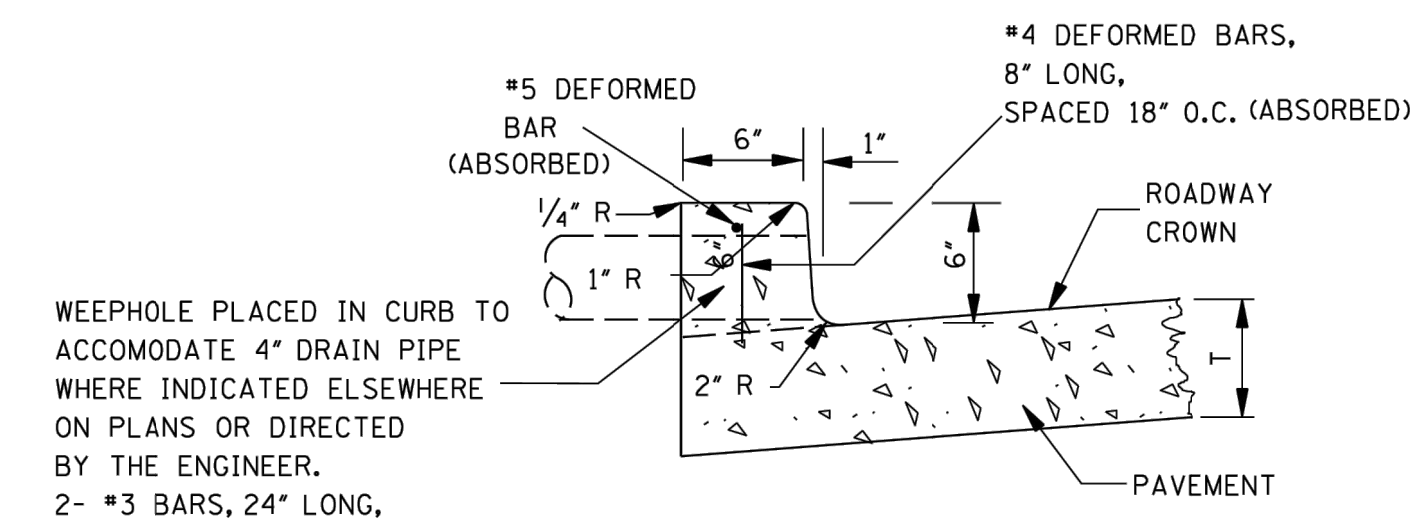
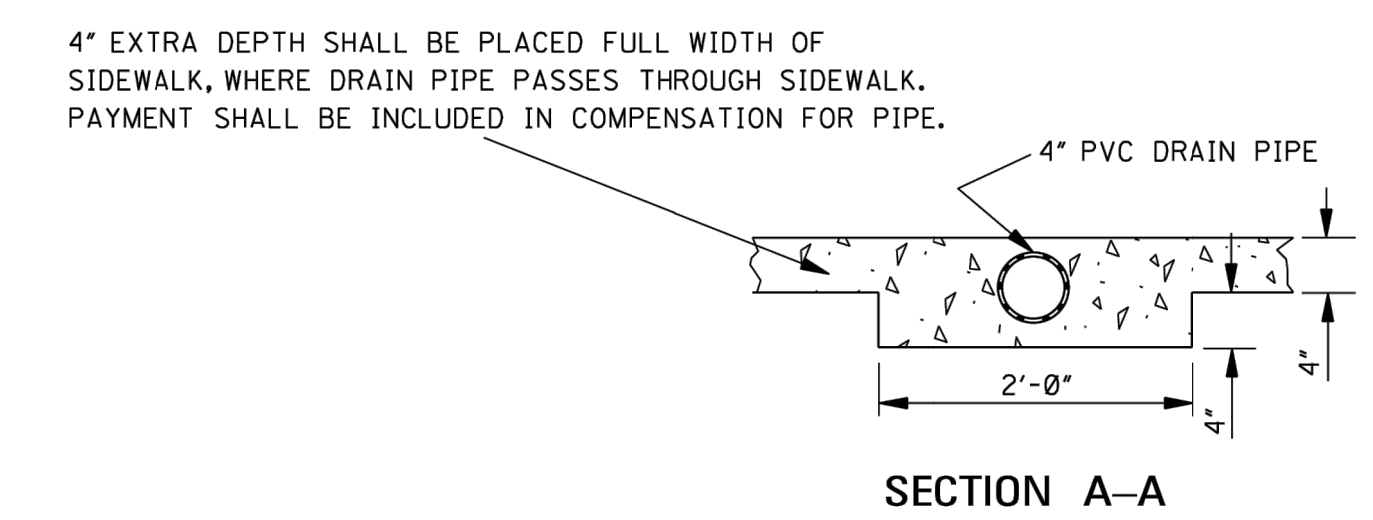


STATE	PROJECT NO.
MISS.	



*TABLE "A"

DRIVEWAY TYPE	DRIVEWAY WIDTH (ft)	CURB RETURN RADIUS (ft)
RESIDENTIAL	16'	5' - 10'
COMMERCIAL/ INDUSTRIAL	30' - 50'	10' - 30'



- GENERAL NOTES:
1. TRAVERSE CONTRACTION JOINTS ARE REQUIRED AT 20' ON CENTER FOR ALL CONCRETE DRIVEWAYS THAT EXTEND PAST THE END OF THE CURB RETURN. A 1/2" WIDE EXPANSION JOINT IS REQUIRED AT THE END OF THE CURB RETURN AND AT 60' ON CENTER THROUGHOUT THE LENGTH OF THE DRIVEWAY. A LONGITUDINAL CONTRACTION JOINT IS REQUIRED FOR ALL DRIVEWAYS EXCEEDING 20' IN WIDTH.
 2. SEE WK. NOS. CR-1, CR-2, CR-3 & CR-4 FOR DETAILS OF CURB-CUT RAMPS.
 3. MAXIMUM 2% CROSS-SLOPE ON SIDEWALKS.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION ROADWAY DESIGN DIVISION STANDARD PLAN	
DRIVEWAYS, INTEGRAL CURB & SIDEWALK	
WORKING NUMBER SD-2	SHEET NUMBER 6420
DATE	ISSUE DATE: AUGUST 01, 2017