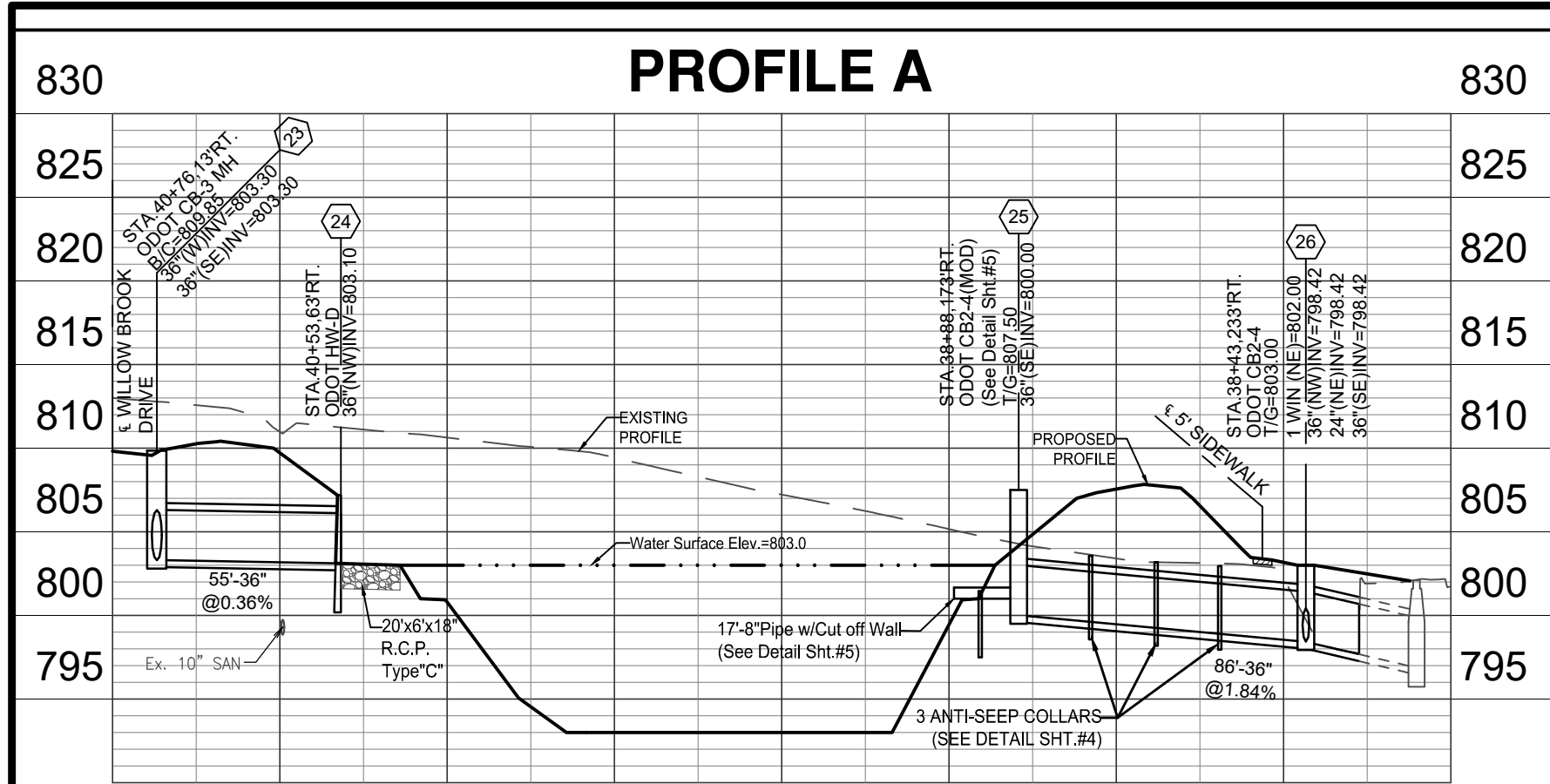
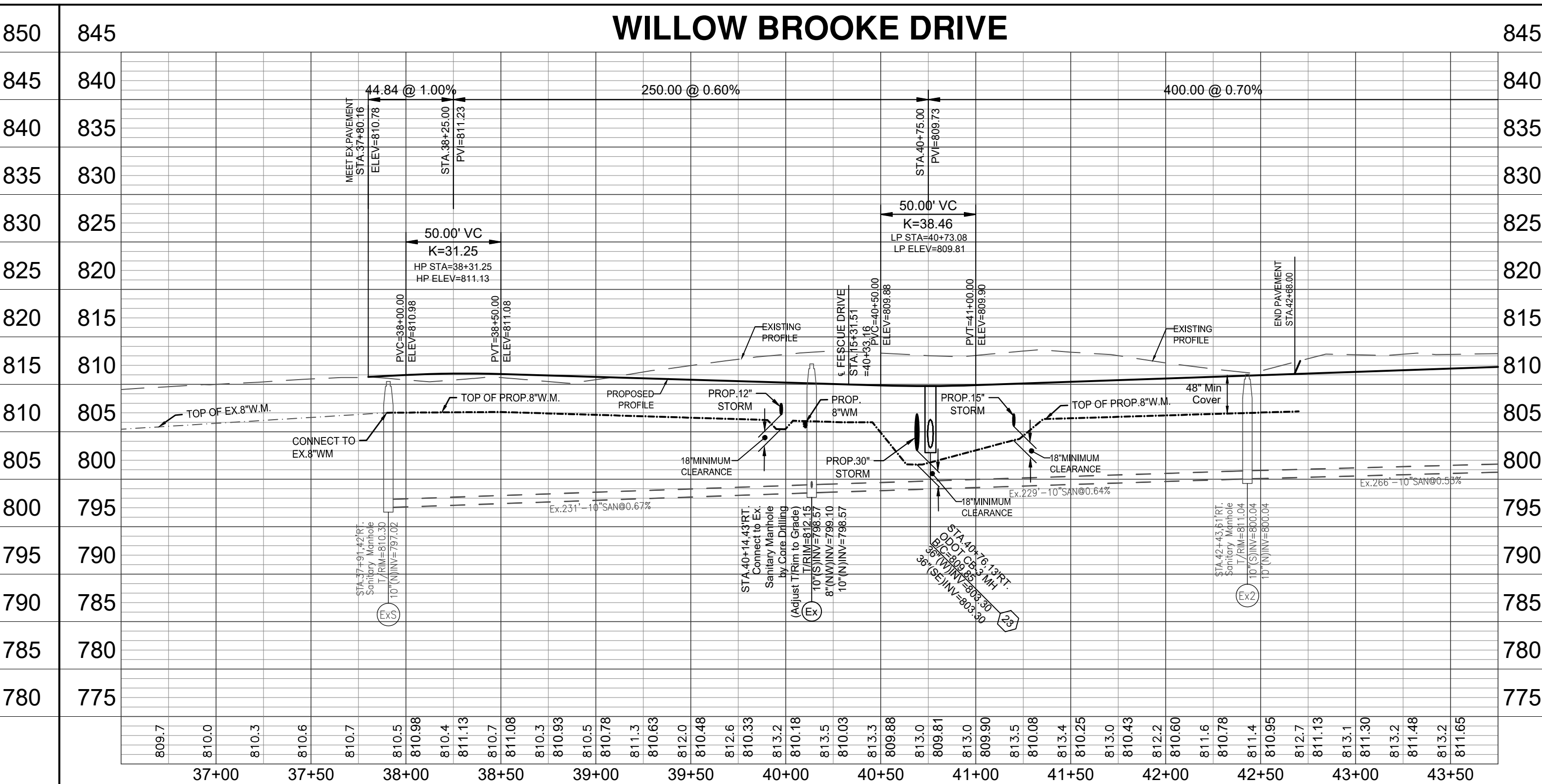
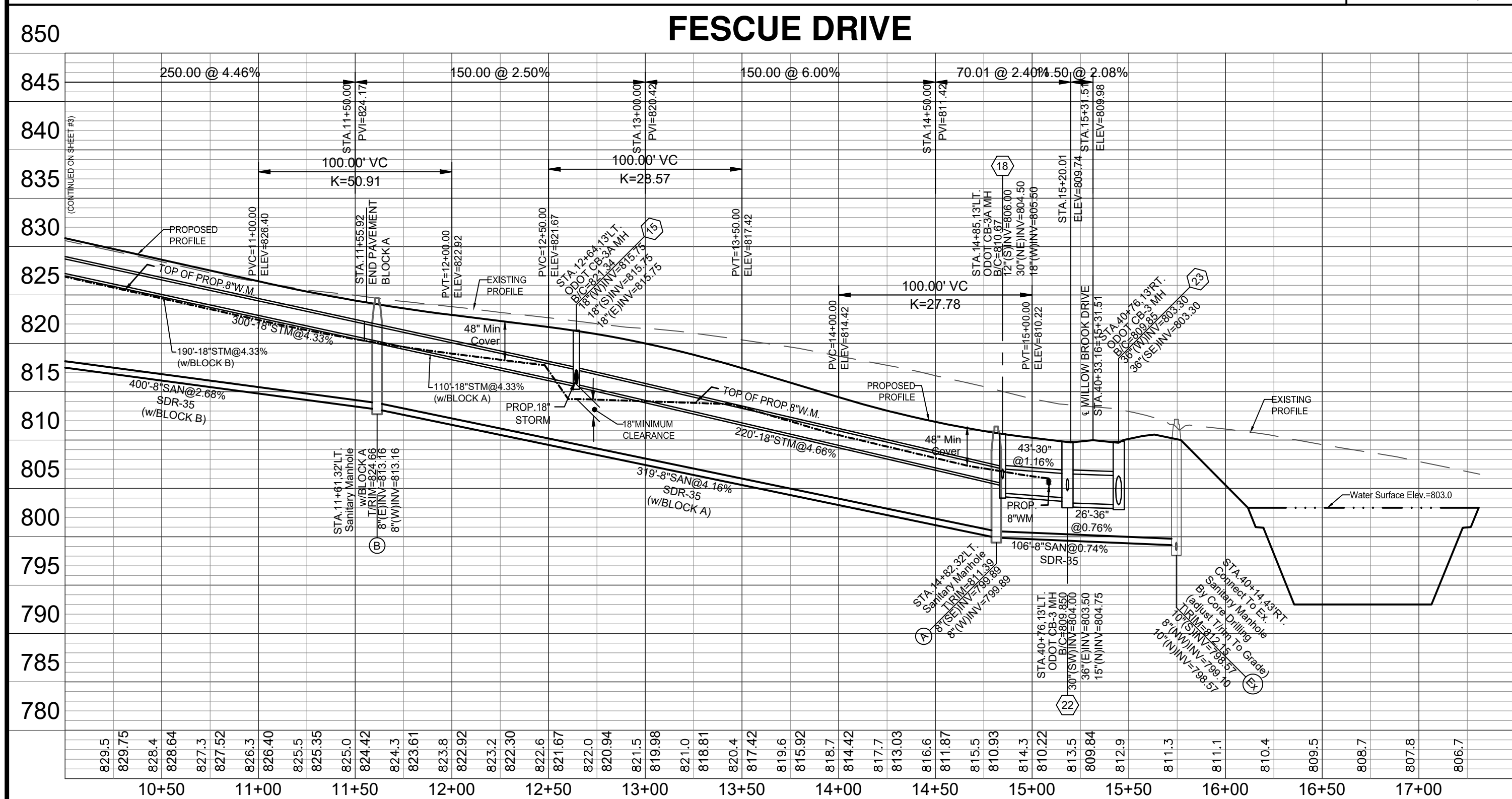
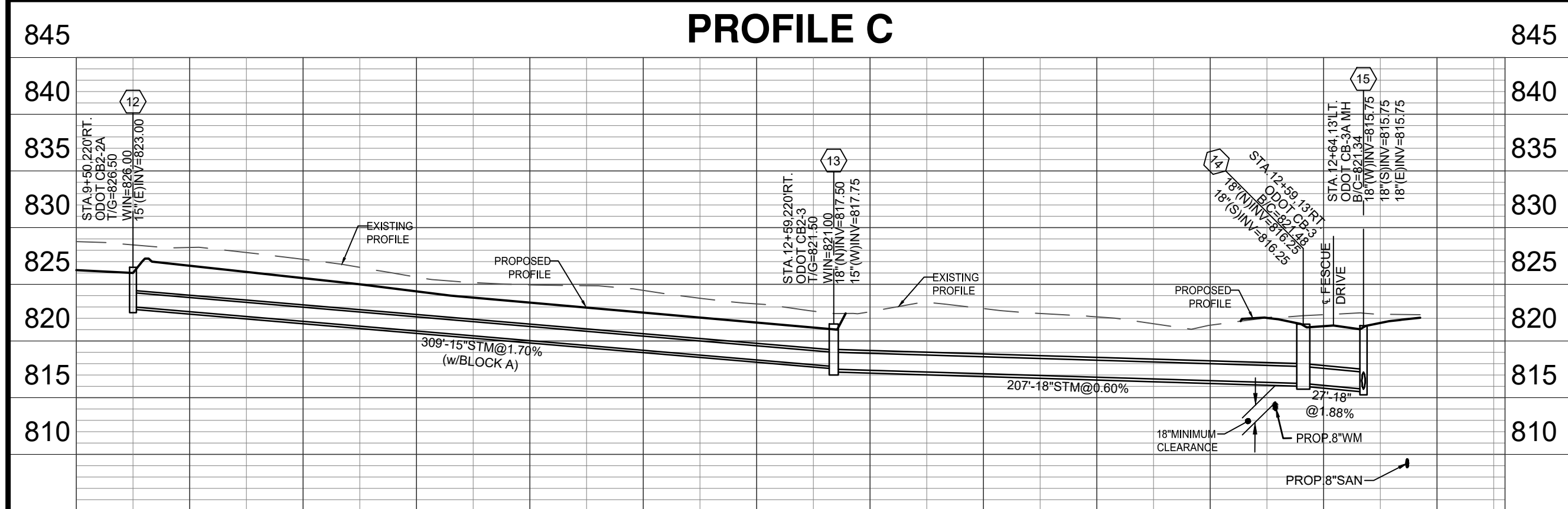
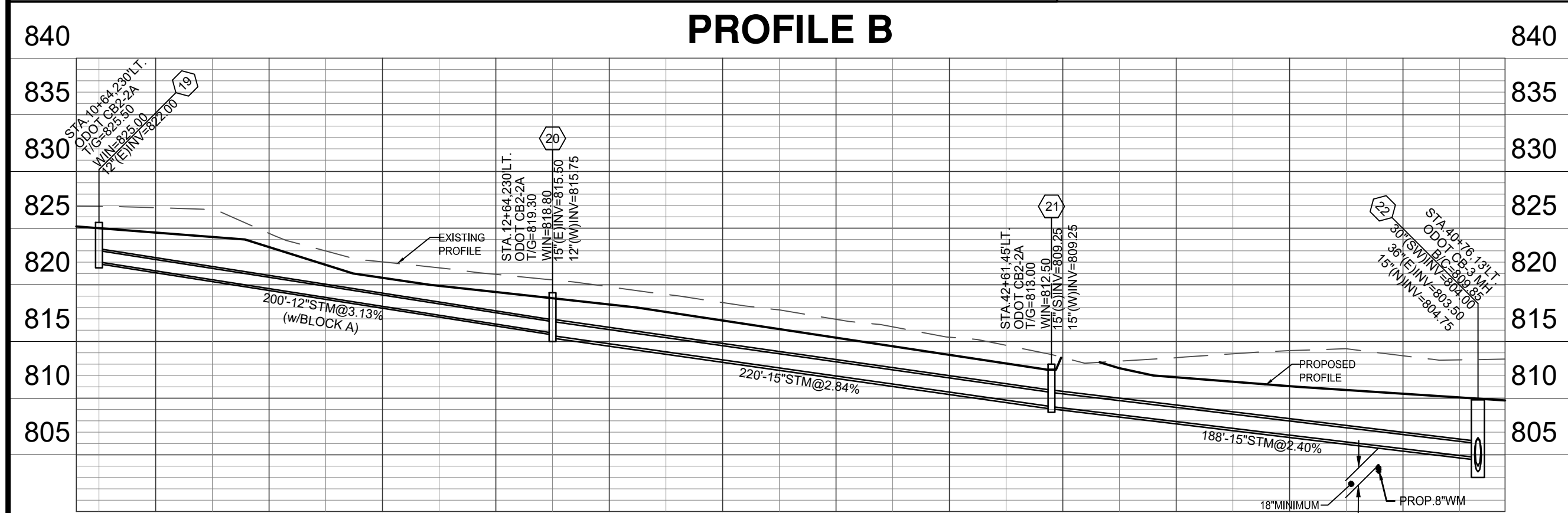




- NOTE: CONTRACTOR SHALL COORDINATE LOCATIONS OF PURITY TEST STATIONS WITH BCWS INSPECTOR
- NOTES:
- 48 hours notice to be given to affected residents before construction begins.
 - Lower 3/4" Water Services as needed to avoid conflicts with Storm with Min. 4" Cover.
 - Location of existing utilities to be determined in the field prior to work beginning.
 - All lots Sump to Sump Drain unless otherwise noted in plan.
 - Sump Lines to be installed as per Standard Service Detail. Wyes or Tees are to be placed ten feet past lot line, on the low side of specified lots, and marked with Wye poles.
 - Contractors to accept all quantities as correct prior to beginning construction.



NOTE:
At Crossings, the water main shall have a minimum vertical distance of eighteen (18") inches from storm and sanitary sewers. Also, one full length of water main shall be located so the joints are as far from the storm and sanitary sewers as possible. Fittings, not joint deflection, must be used when water main is lowered at crossings.

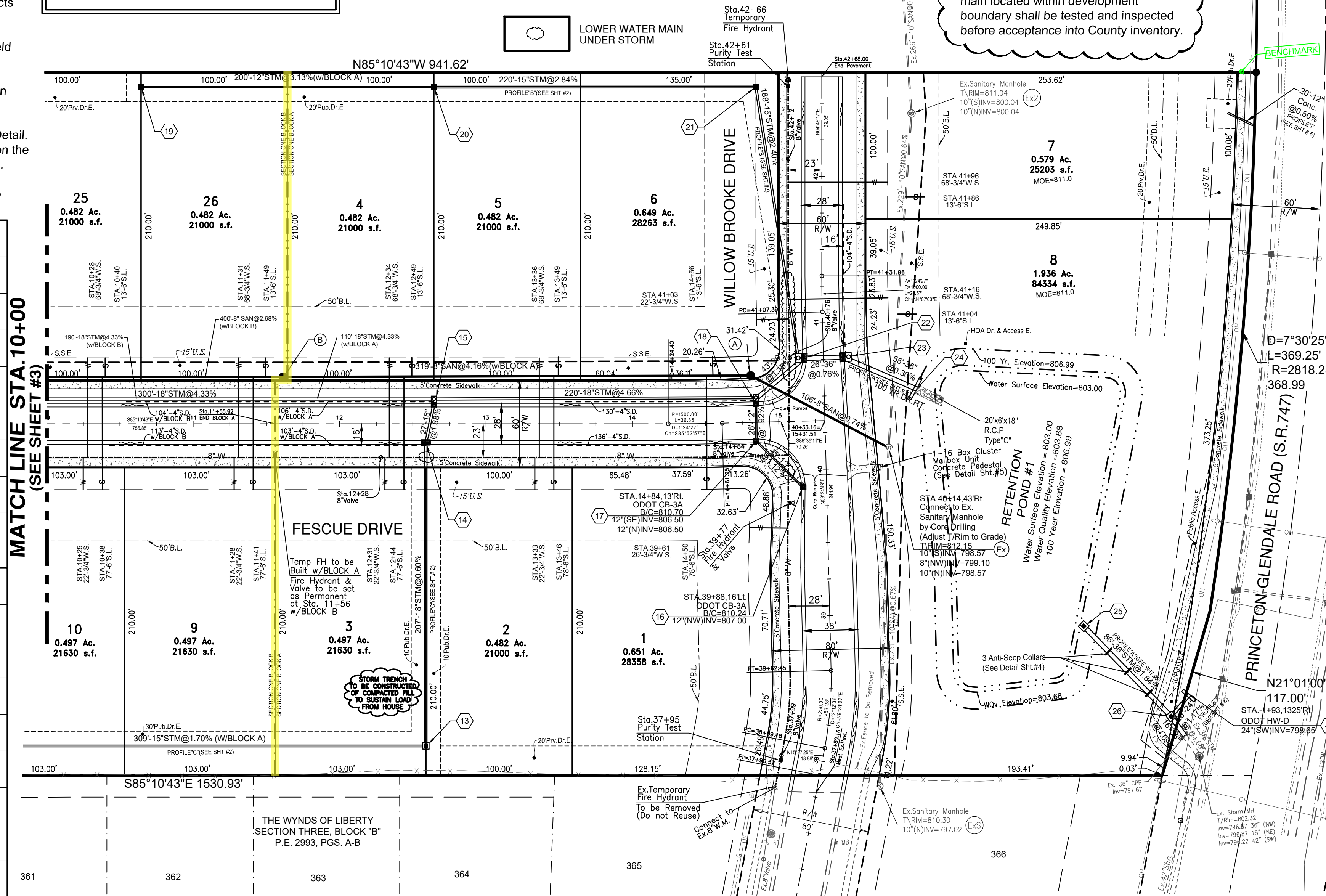
WATER MAIN RESTRAINT JOINT LOCATION CHART

Water Main Dia.	Horizontal 45° Bends	Vertical 45° Bends Up (Lower Water Under...)	Vertical 45° Bends Down (Lower Water Under...)	Dead Ends (Permanent & Temporary)	Tees (for Tee Branch)
6"	18" both sides	18" both sides	36" both sides	72" Back	54" 72"
8"	18" both sides	36" both sides	36" both sides	90" Back	54" 72"
10"	36" both sides	36" both sides	36" both sides	117" Back	54" 72"
12"	36" both sides	54" both sides	72" both sides	180" Back	36" 72"
14"	54" both sides	54" both sides	90" both sides	198" Back	36" 72"
16"	54" both sides	54" both sides	90" both sides	216" Back	36" 54"

NOTE: LOTS 25 & 26 SHALL NOT HAVE DRIVEWAY ACCESS TO PRINCETON-GLENDALE ROAD.

NOTE: The three spans of existing 10" sanitary main located within development boundary shall be tested and inspected before acceptance into County inventory.

MATCH LINE STA. 10+00 (SEE SHEET #3)



ESTATES AT WYNDYNS OF LIBERTY SECTIONS ONE & TWO
SECTION 2, TOWN 2, RANGE 3
LIBERTY TOWNSHIP, BUTLER COUNTY, OH

PLAN & PROFILE

bayer becker
www.bayerbecker.com
6900 Ylerville Road, Suite A
Mason, OH 45040 - 513.336.6600

Drawing: 21-0210 CD
Checked By: TAC
Issue Date: 6-29-22
Sheet: 2/12

THIS DOCUMENT AND ALL RELATED DETAIL DRAWINGS, SPECIFICATIONS AND ELECTRONIC MEDIA PREPARED OR FURNISHED BY BAYER BECKER (BB) ARE INSTRUMENTS OF PROFESSIONAL SERVICE AND ARE THE EXCLUSIVE PROPERTY OF BB. NO DISCLOSURE, REPRODUCTION OR DUPLICATION IN WHOLE OR IN PART MAY BE MADE WITHOUT WRITTEN PERMISSION OF BB. AND IT IS DONE SO AT USER'S SOLE RISK. COPYRIGHT - ALL RIGHTS RESERVED.

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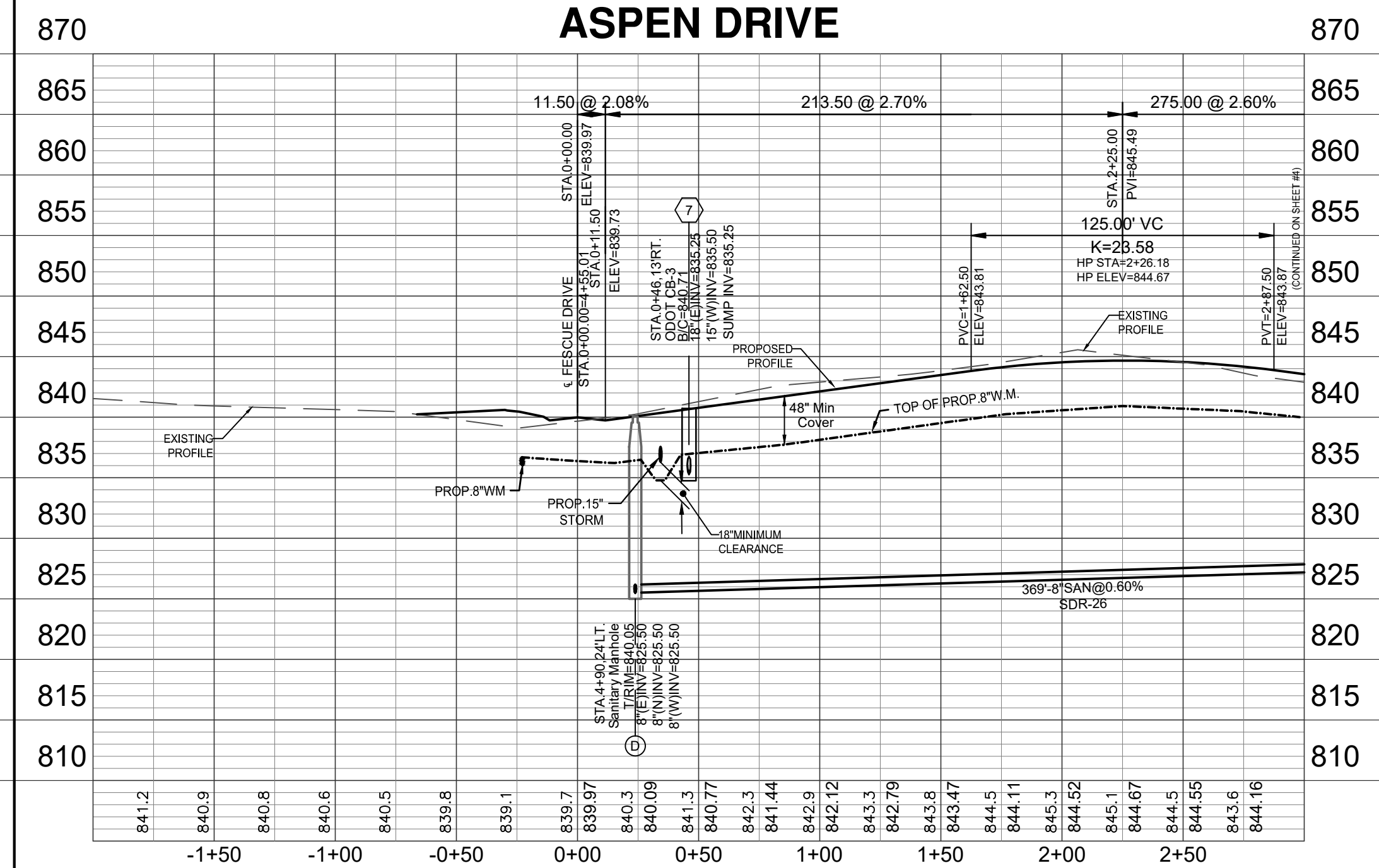
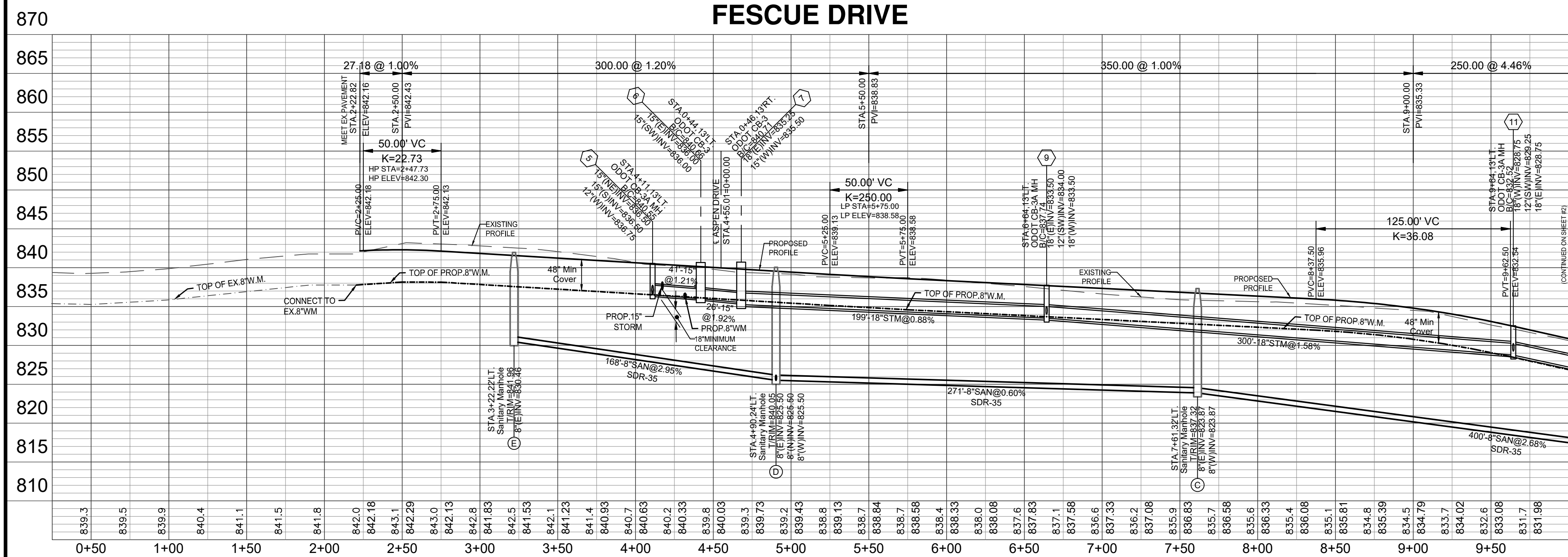
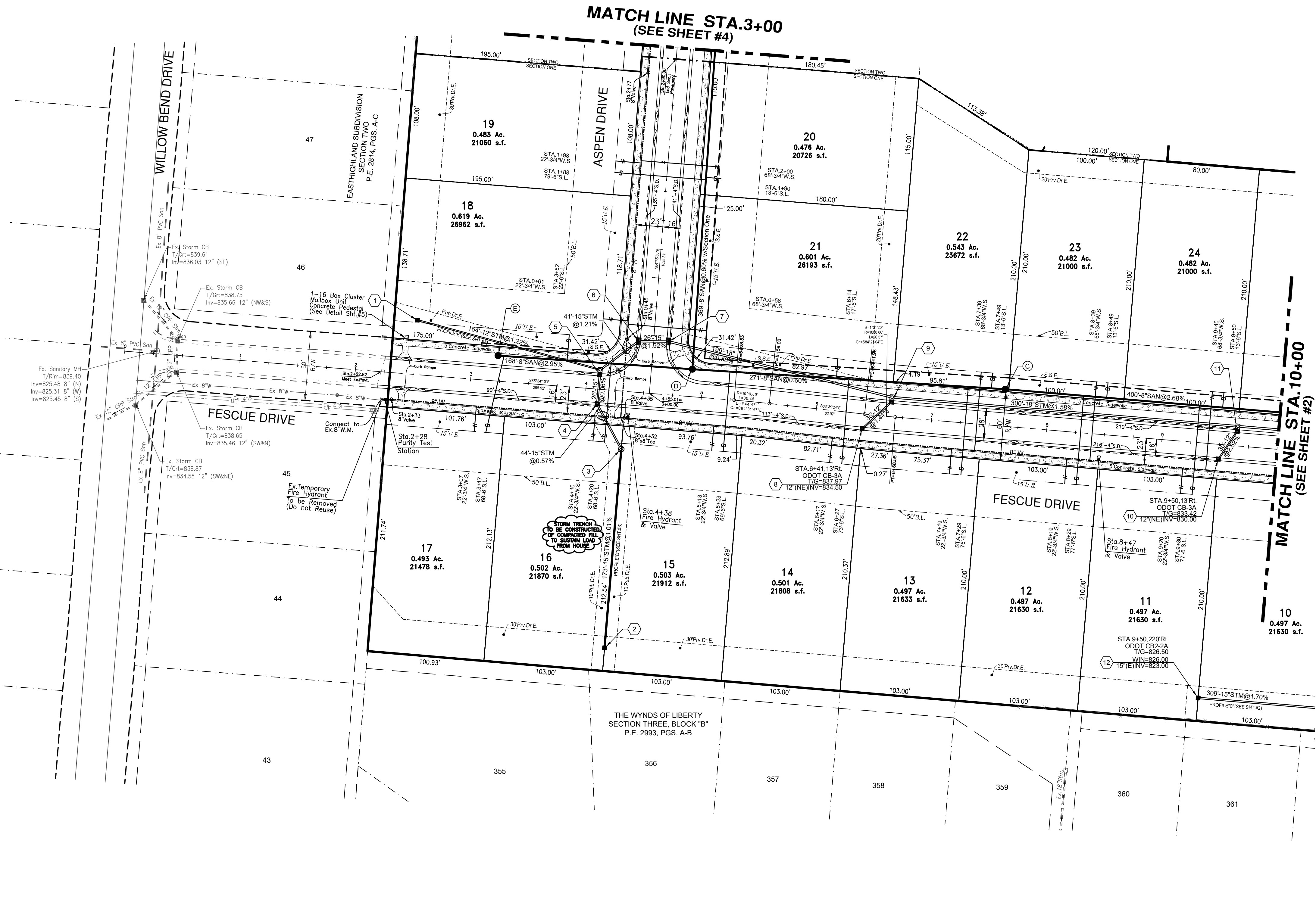
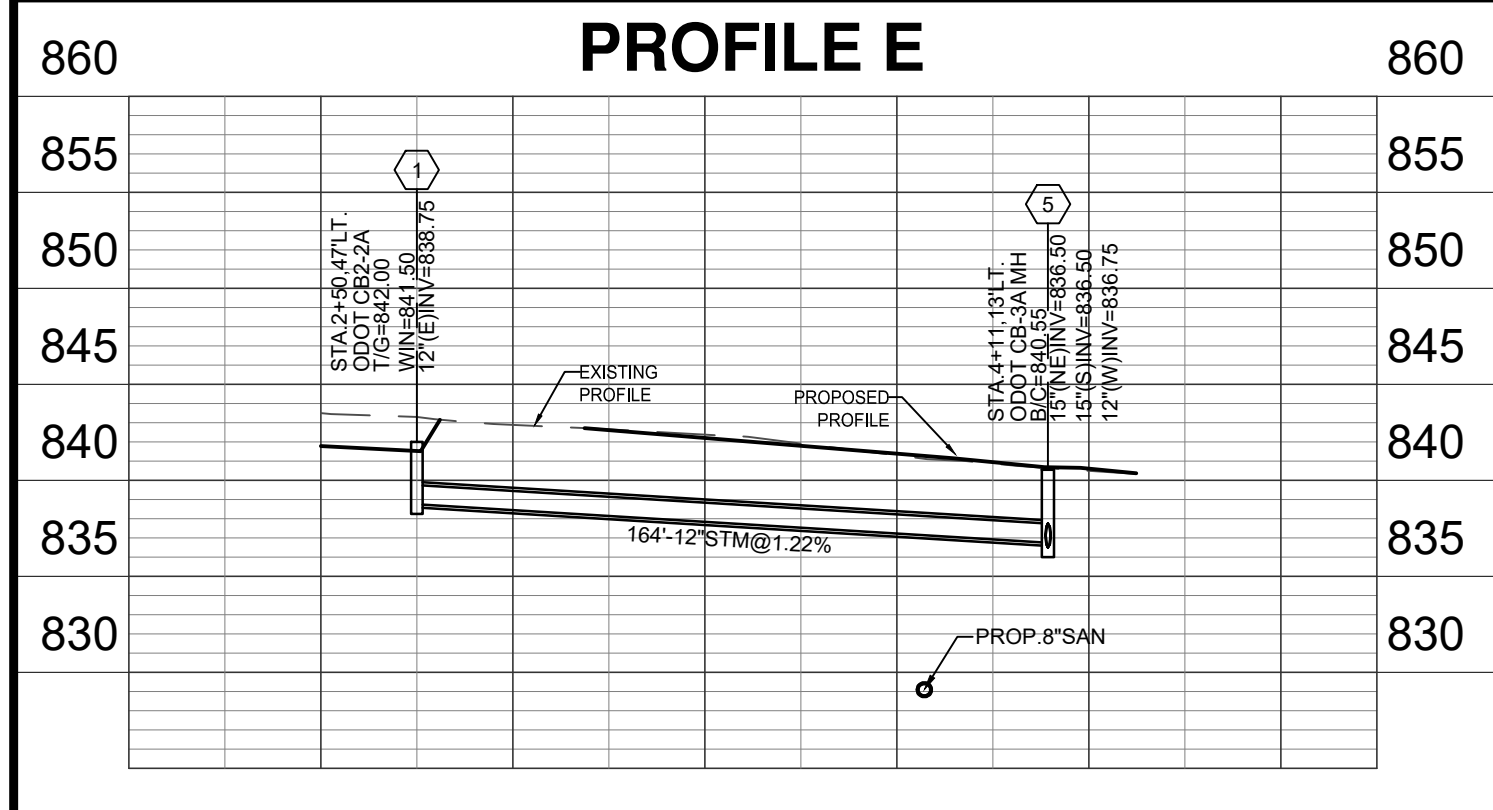
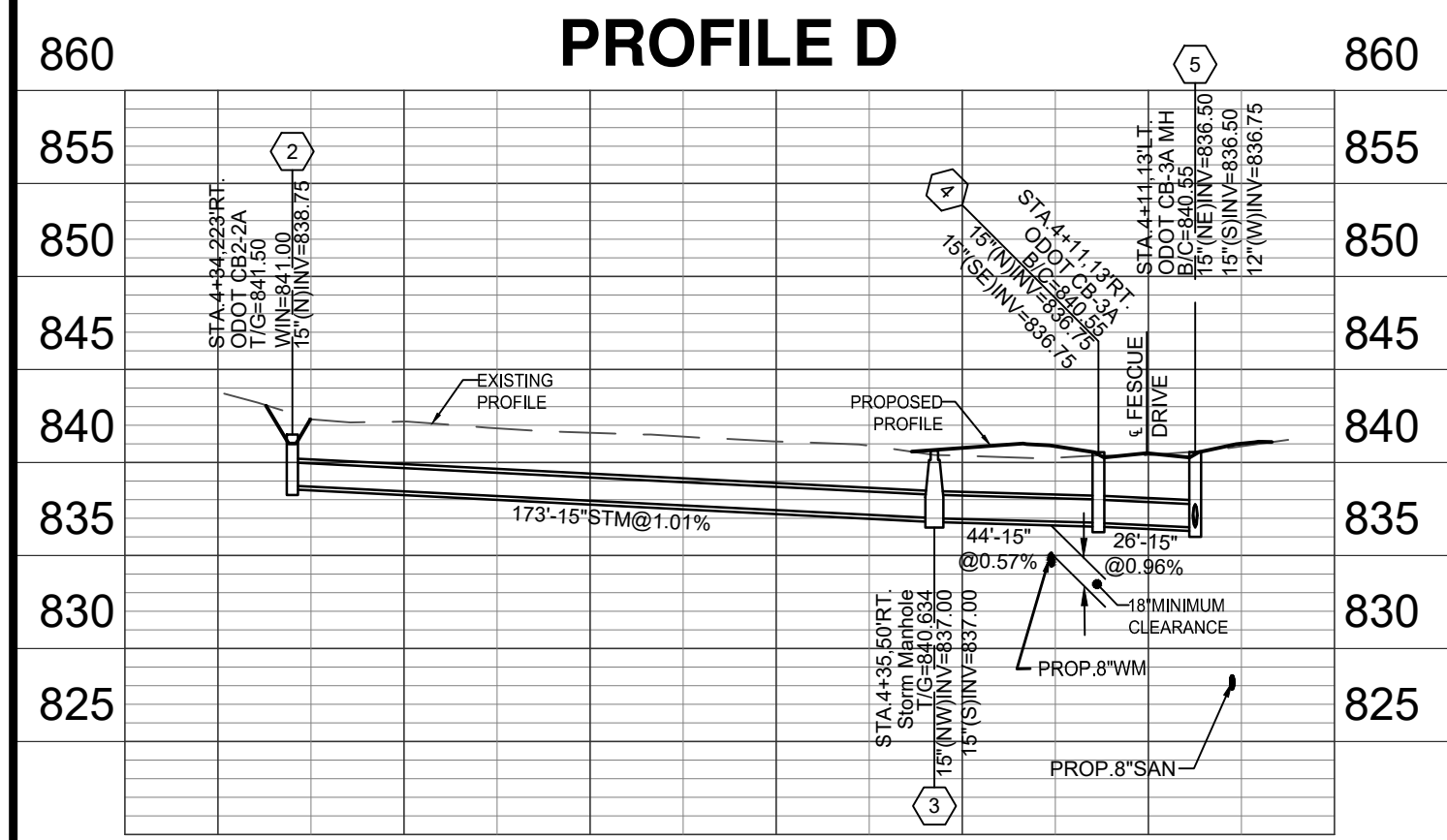
LOWER WATER MAIN UNDER STORM

NOTE: CONTRACTOR SHALL COORDINATE LOCATIONS OF PURITY TEST STATIONS WITH BCWS INSPECTOR

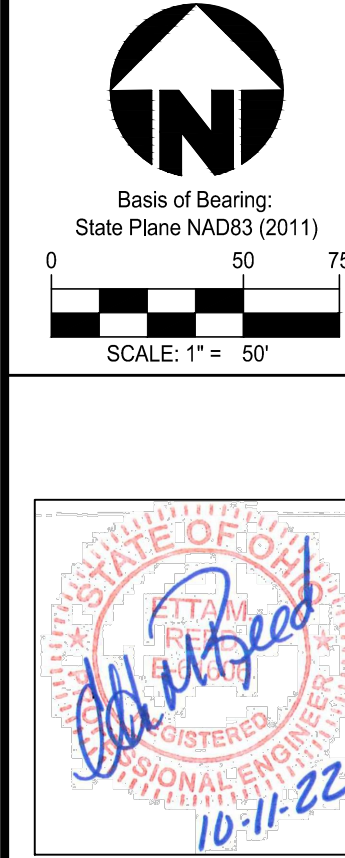
NOTE:
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10"	36' both sides	36' both sides	54' both sides	117' Back	54' 72' 90'
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Plot time: Oct 11, 2022 - 4:47pm
Drawing name: J:\2021\21-0210\CD\DWG21-0210 CD.dwg - Layout Tab: 3PP



Item	Revision Description	Date	Drawn	Chk
1	Revised as per Developer & BCWS	7-28-22	TAC	
2	Revised as per BCEO	8-18-22	TAC	
3	Revised In House - Changed Storm Structure #11 to CB-3A(MH)	8-31-22	TAC	
4	Revised as per Block Breakdown	10-11-22	JMW	
5				
6				
7				
8				
9				

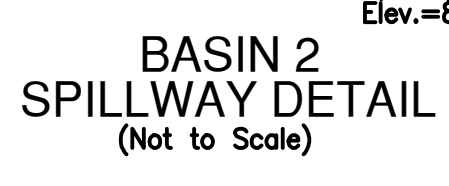
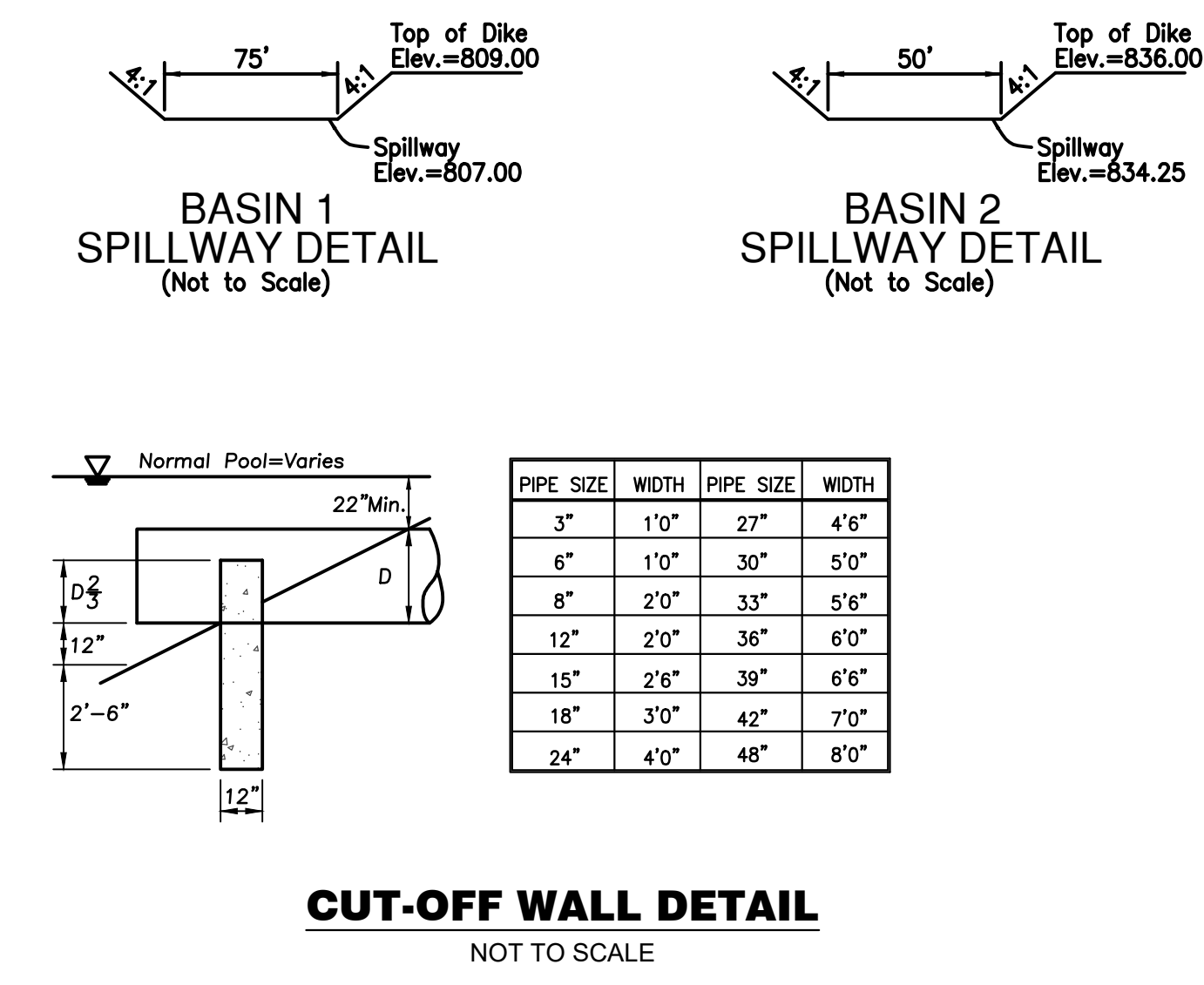
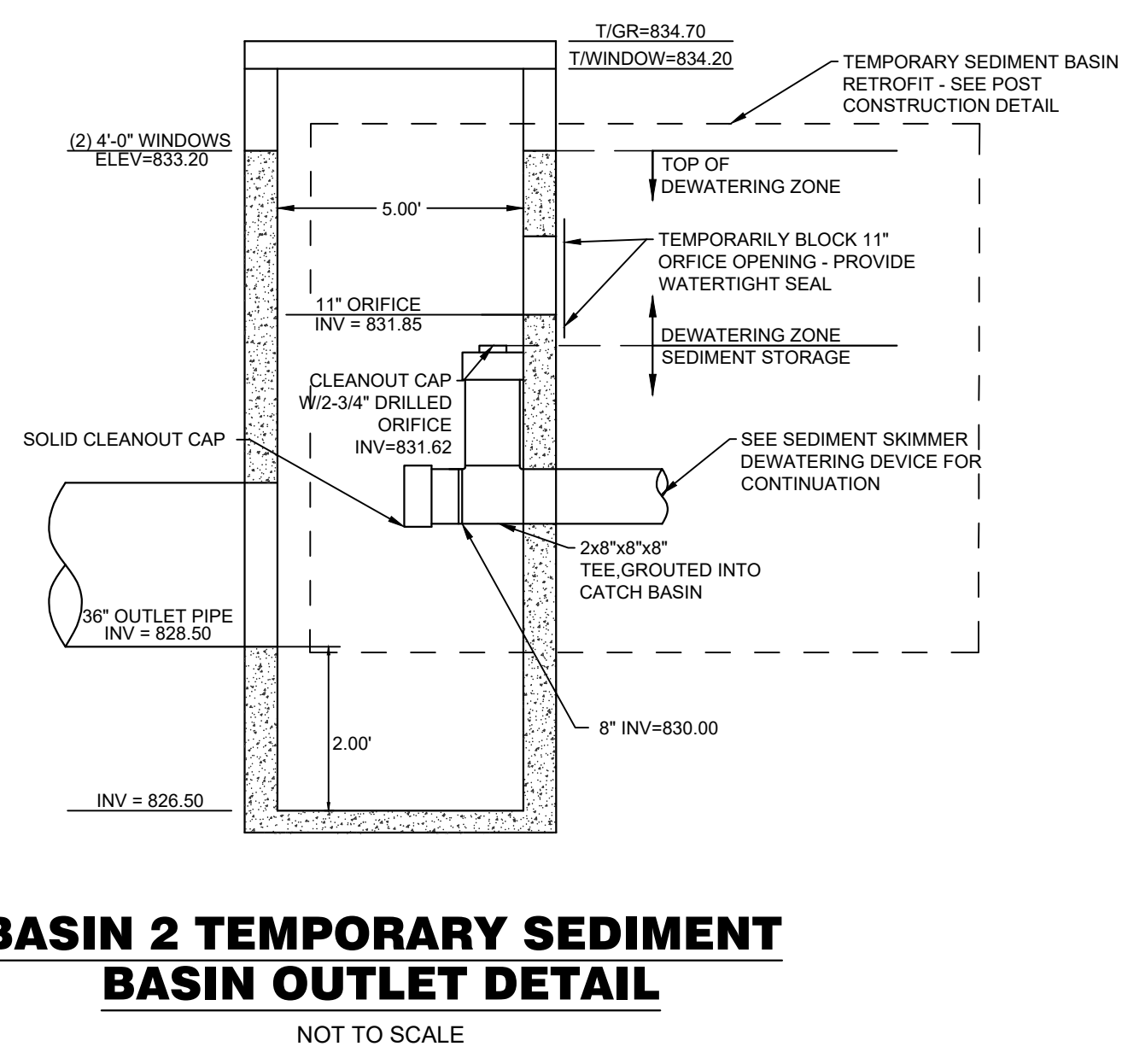
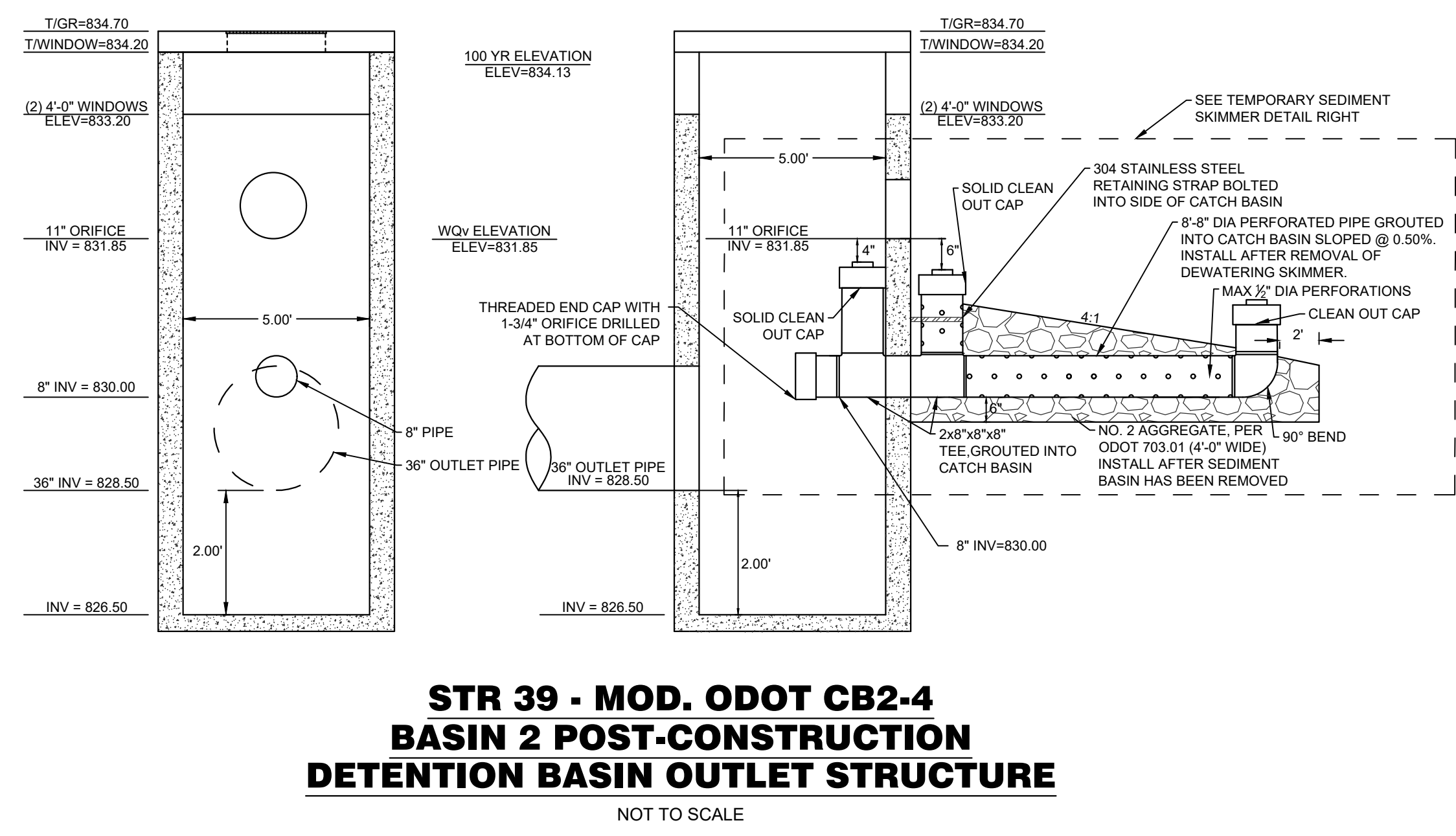
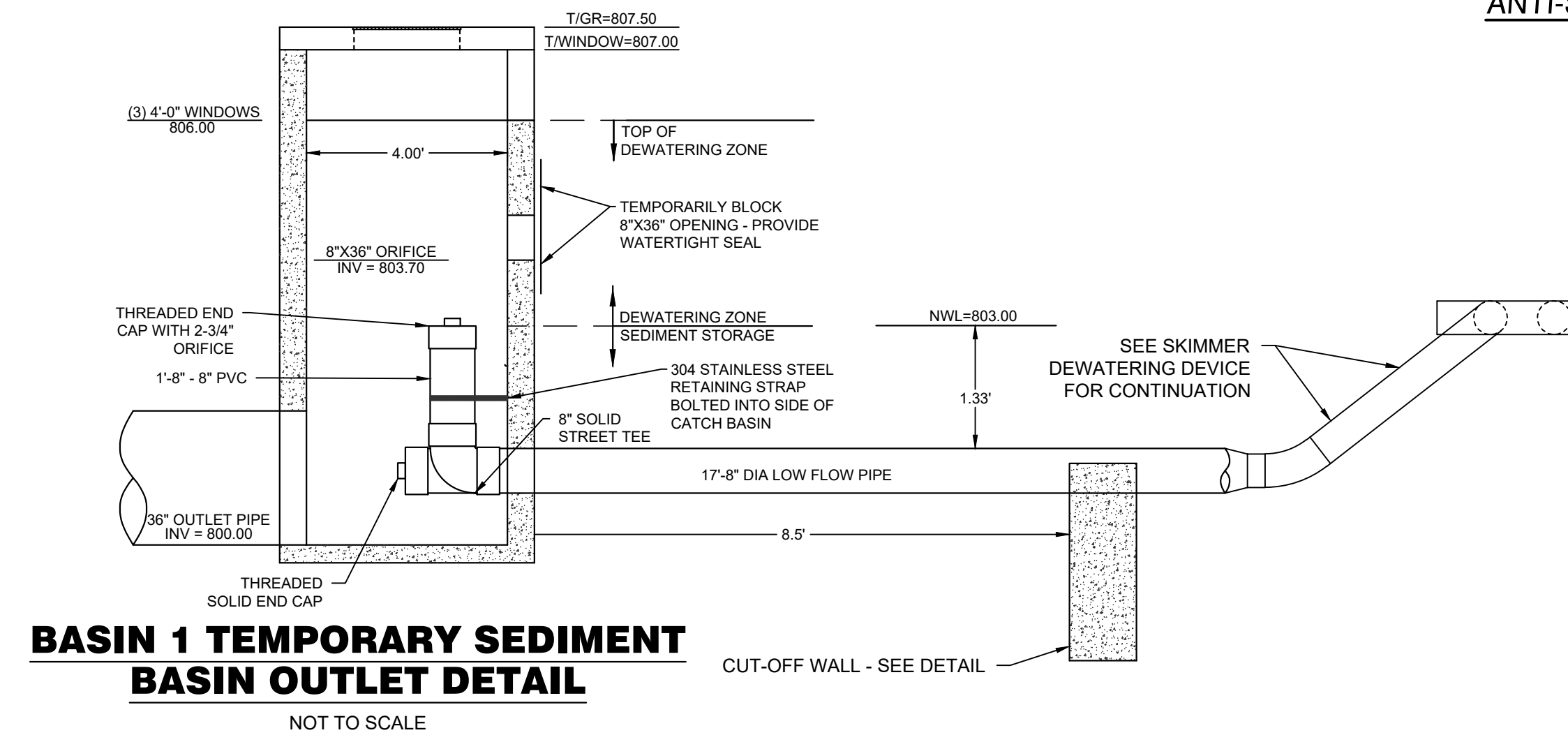
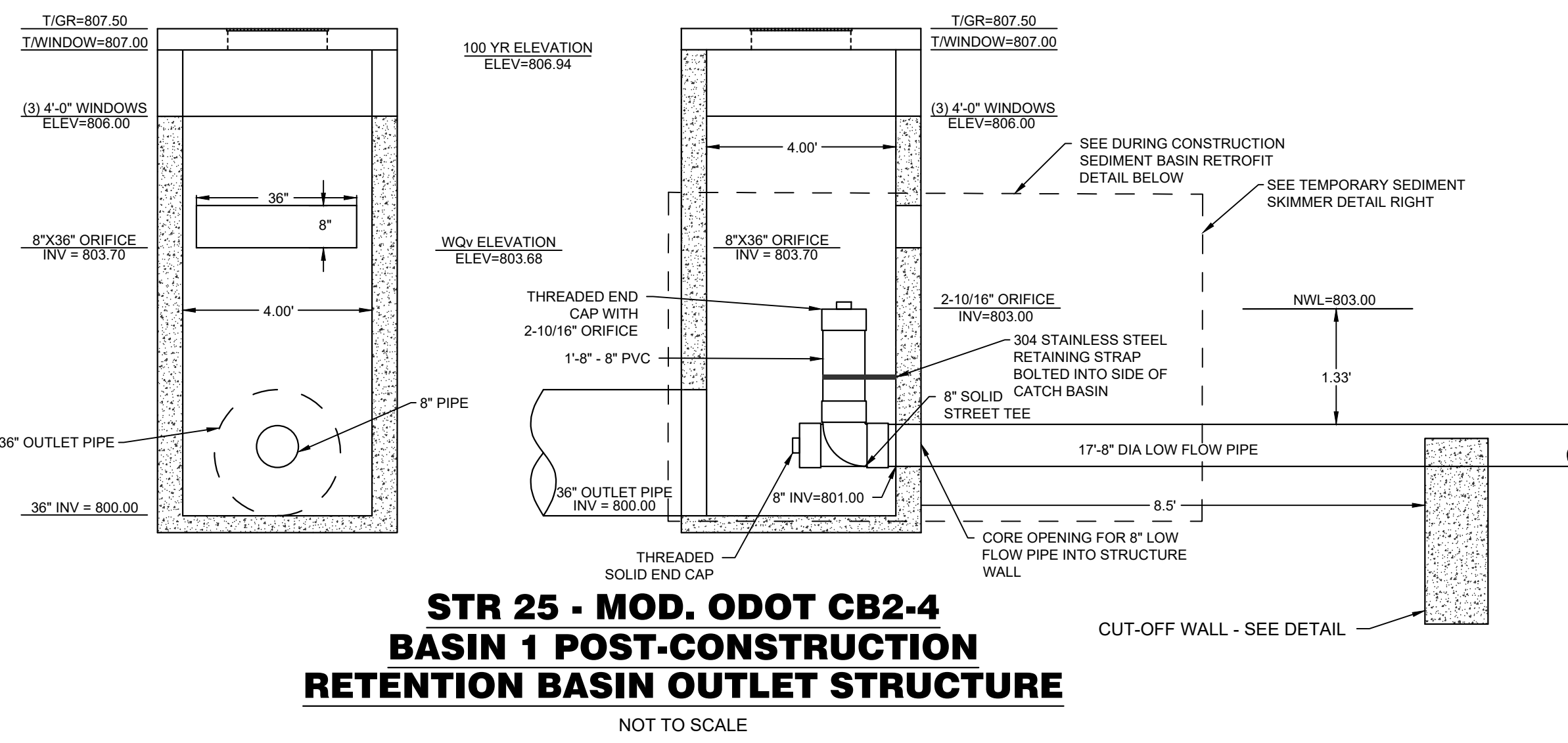
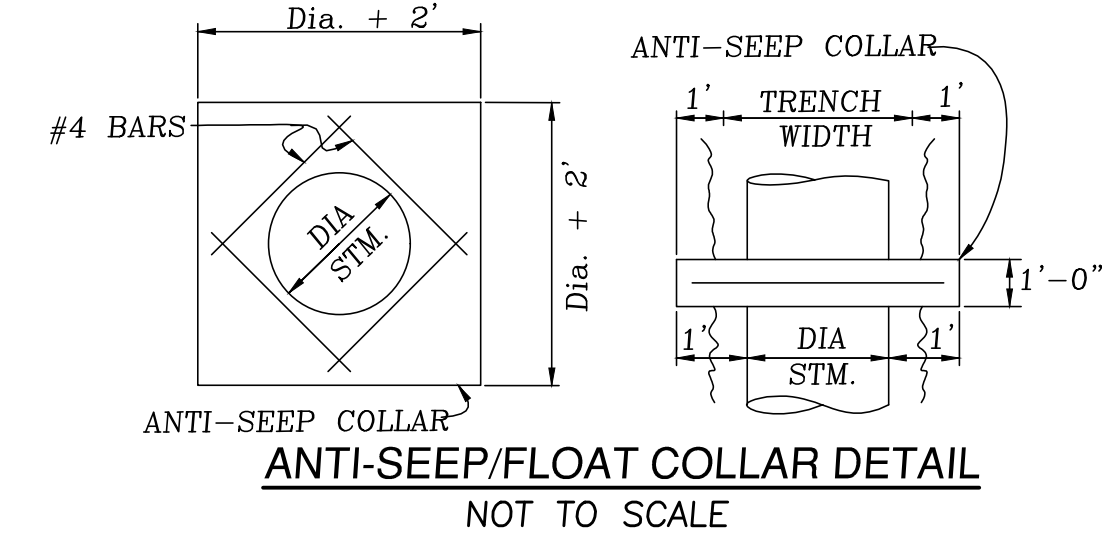
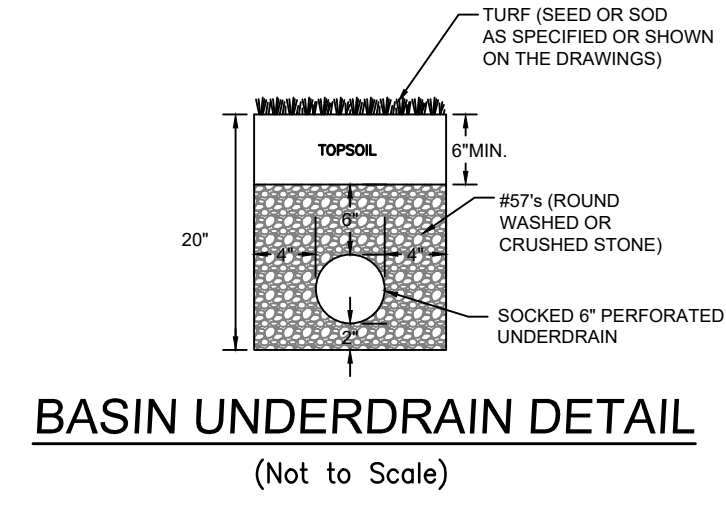
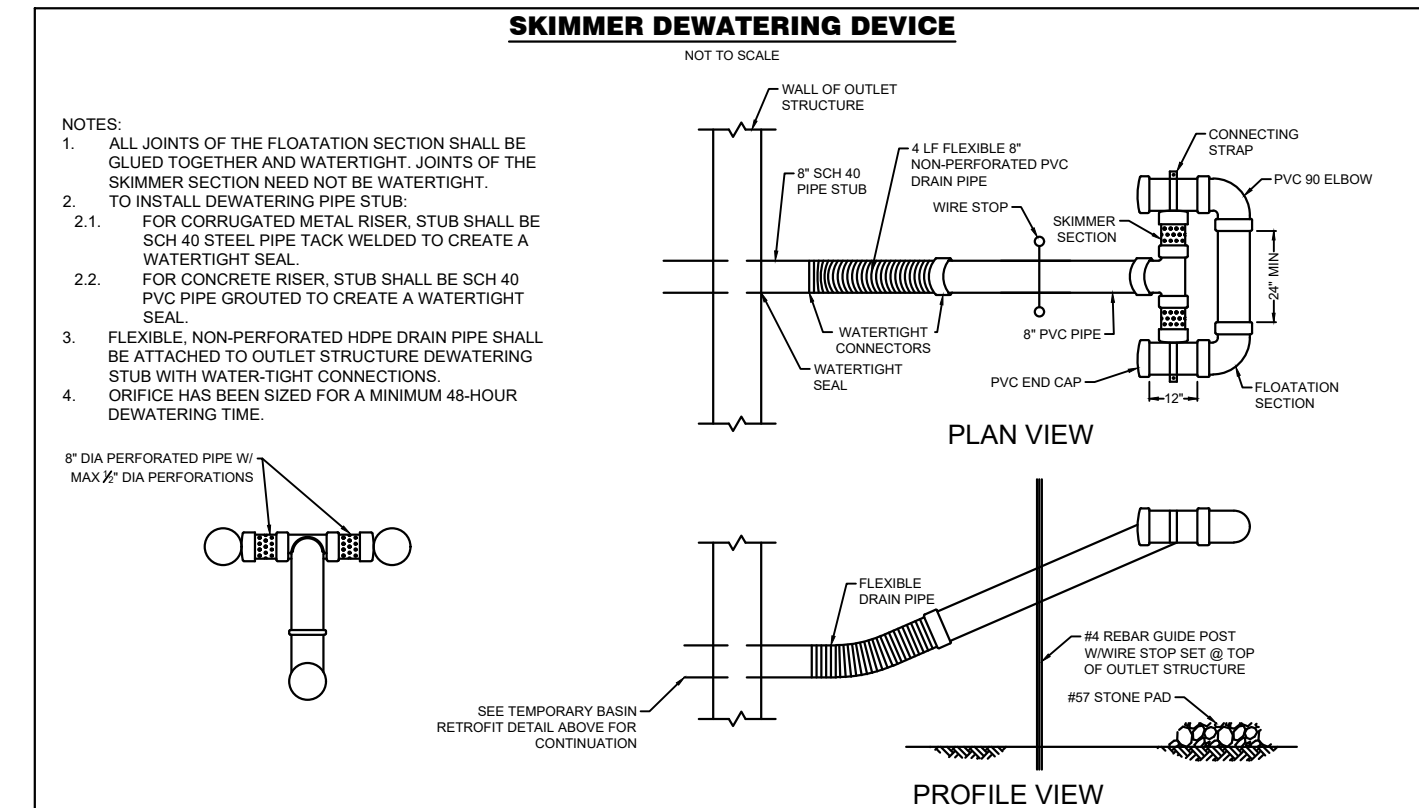
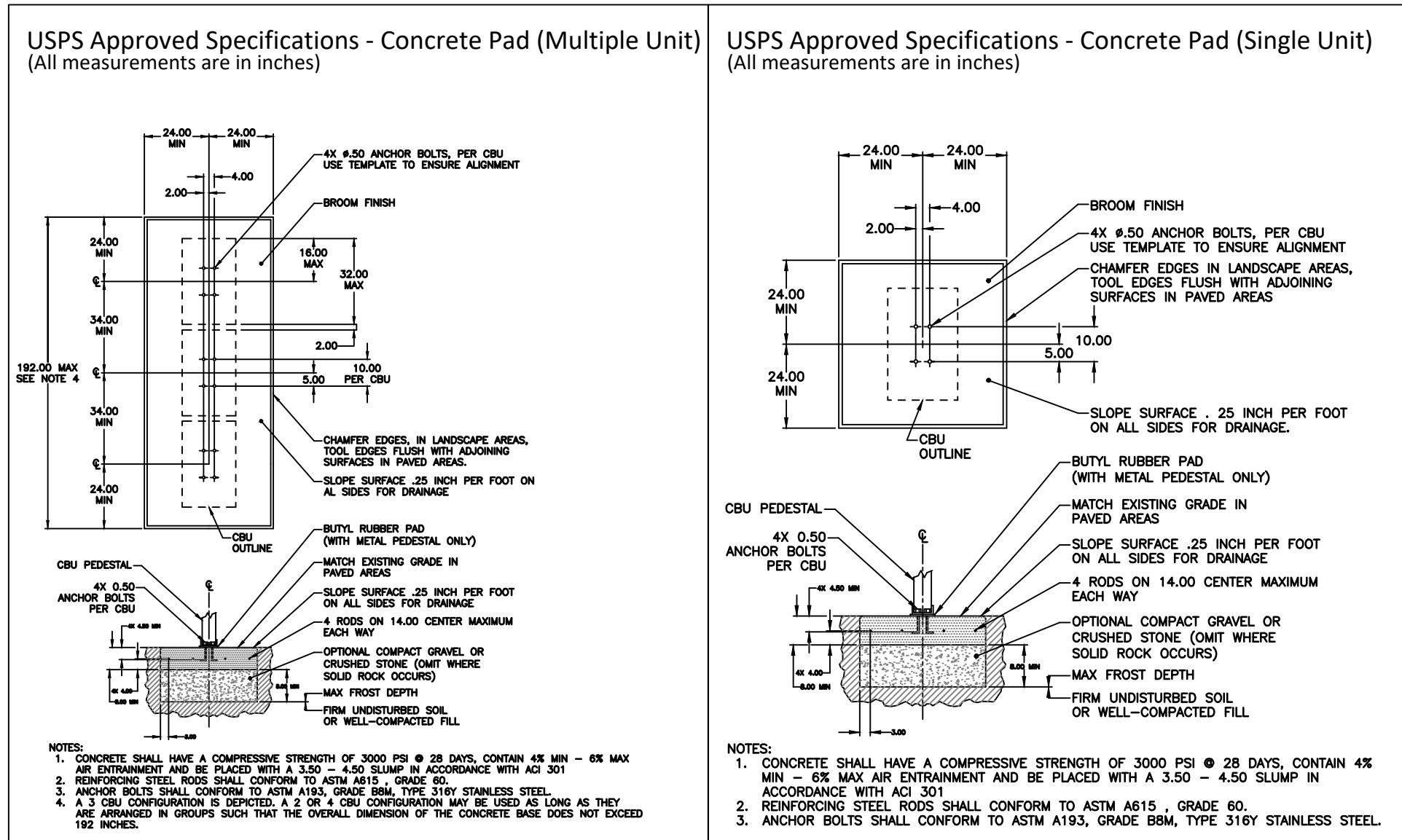
**ESTATES AT
WYNDS OF LIBERTY
SECTIONS ONE & TWO**
SECTION 2, TOWN 2, RANGE 3
LIBERTY TOWNSHIP, BUTLER COUNTY, OH



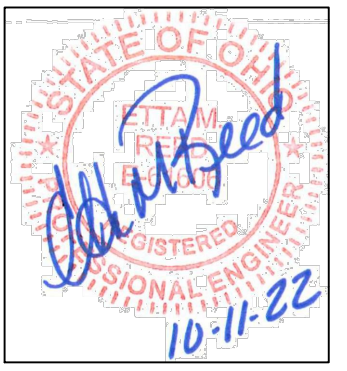
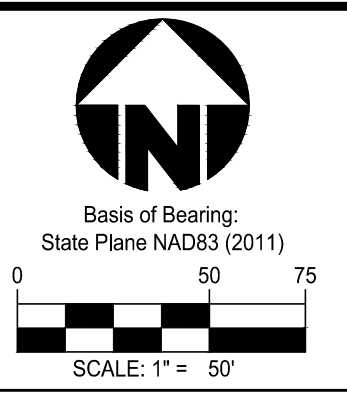
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Checked By:
Issue Date: 6-29-22

Sheet:
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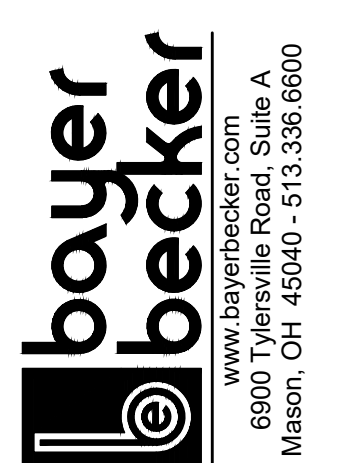


PIPE SIZE	WIDTH	PIPE SIZE	WIDTH
3"	1'0"	27"	4'6"
6"	1'0"	30"	5'0"
8"	2'0"	33"	5'6"
12"	2'0"	36"	6'0"
15"	2'6"	39"	6'6"
18"	3'0"	42"	7'0"
24"	4'0"	48"	8'0"



Item	Revision Description	Date	Drawn	Chk
1	REVISED TO SHOW 45' LOTS	7-28-22	TAC	
2	Revised as per BCEO	8-18-22	TAC	

ESTATES AT
WYNDS OF LIBERTY
SECTIONS ONE & TWO
SECTION 2, TOWN 2, RANGE 3
LIBERTY TOWNSHIP, BUTLER COUNTY, OH
MISCELLANEOUS DETAILS





PROFILE I

PROFILE K

1. Regular inspection and maintenance will be provided for all erosion and sediment control practices. Permanent records of maintenance and inspections must be kept throughout the construction period. Inspections must be made a minimum of once every seven (7) days and immediately after storm events greater than 0.5 inches of rain in a 24 hour period. Provided will be name of inspector, major observations, date of inspection and corrective measures taken.
2. All erosion and sediment control practices must conform to the specifications of Rainwater and Land Development, Ohio's standards for storm water management, land development and urban stream protection.
3. Perimeter Sedimentation control and basins/traps shall be implemented as the first step of grading and within seven (7) days of initial grubbing or grading and shall continue to function until upland areas are stabilized.
4. Disturbed areas which will remain unworked for a period of fourteen (14) days or more, shall be stabilized with seeding and mulching or other approved means within seven (7) days. All disturbed areas within fifty (50) feet of an intermittent or solid blue line stream shall be stabilized within two (2) days. All areas of a site which are at final grade shall be stabilized with seeding and mulching or other approved means within seven (7) days.
5. Quantities for Erosion Control may vary between detailed plans and field conditions during construction. Plan quantities are a minimum; more erosion control may be necessary due to environmental conditions.
6. Sedimentation control and ditch swales are subject to change upon completion of entire set of construction drawings.
7. No solid or liquid waste shall be discharged into storm water runoff.
8. Home builders are responsible for erosion control on each individual lot.
9. Contractors to accept all quantities as correct prior to beginning construction.

1. LOCATION OF EXISTING UTILITIES TO BE DETERMINED IN THE FIELD PRIOR TO BEGINNING WORK.
2. CONTRACTOR SHALL OBTAIN A COPY OF THE COMPLETE GEOTECHNICAL REPORT PRIOR TO BIDDING THE PROJECT.
3. CONTRACTORS SHALL SET UP AN ONSITE PRE-CONSTRUCTION MEETING WITH THE BUTLER COUNTY STORM WATER DISTRICT/BCEO, DEVELOPER, PROJECT GEOTECHNICAL ENGINEER, EARTHWORK CONTRACTOR, AND SITE CIVIL ENGINEER PRIOR TO BEGINNING CONSTRUCTION.
4. CONTRACTOR SHALL ASSUME THE TOP 8" OF EXISTING GROUND IS TOPSOIL. TOPSOIL REMOVED TO DEPTHS GREATER THAN 8" SHALL BE DONE ONLY AFTER CONSULTATION WITH THE PROJECT GEOTECHNICAL ENGINEER AND APPROVAL OF THE DEVELOPER.
5. ALL EARTHWORK AND CONSTRUCTION ACTIVITY SHALL BE PERFORMED PER THE RECOMMENDATIONS OF THE PROJECT GEOTECHNICAL ENGINEER AS DESCRIBED IN THE GEOTECHNICAL EXPLORATION REPORT AND ALL ADDENDUMS.
6. CONTRACTOR SHALL VERIFY ALL EARTHWORK QUANTITIES PRIOR TO AWARD OF CONTRACT. PAY QUANTITIES ARE FINAL EXCEPT FOR DOCUMENTED UNDERCUT APPROVED BY DEVELOPER PRIOR TO COMPLETION OF THE EXTRA WORK. UPON REQUEST, CONTRACTORS MAY HAVE ACCESS TO THE SITE TO FIELD CHECK QUANTITIES.
7. THE AREAS LABELED DENSE VEGETATION ARE WHERE THE EXISTING GROUND WAS OBSCURED FROM VIEW BY EXISTING VEGETATION. THE EXISTING CONTOURS SHOWN IN THIS AREA MAY VARY.

NOTE:
The Temporary Sediment Basins are to be cleaned out in accordance with the Rainwater and Land Development Manual and Butler County standards.

Note: All ditches constructed by the Developer shall be sodded or hydra-seeded.



- ① SEEDING AND MULCHING
- ② SODDING
- ③ PRESERVE EXISTING VEGETATION
- ④ STRAW BALE
- ⑤ SILT FENCE OR MULCH BERM
- ⑥ SOIL PILES
- ⑦ TEMPORARY STREAM CROSSING
- ⑧ GRAVEL CURB INLET SEDIMENT FILTER
- ⑨ GEOTEXTILE INLET SEDIMENT FILTER
- ⑩ GABIONS
- ⑪ STRAW BALE DROP INLET SEDIMENT FILTER
- ⑫ SOD DROP INLET SEDIMENT FILTER
- ⑬ GRAVEL & WIRE MESH DROP INLET SEDIMENT FILTER
- ⑭ BLOCK & GRAVEL CURB INLET SEDIMENT FILTER
- ⑮ TEMPORARY SEDIMENT TRAPS & DAMS
- ⑯ DIKES & SLOPE PROTECTION
- ⑰ ROLLED GRAVEL CURB INLET SEDIMENT FILTER
- ⑱ CHECK DAM
- ⑲ TEMPORARY DETENTION SEDIMENT FILTER/BASIN
- ⑳ DANDY BAG/BEAVER DAM® OR EQUAL
- ㉑ CONSTRUCTION ENTRANCE
- ㉒ CONCRETE WASHOUT AREA

SEE SOIL EROSION & SEDIMENTATION CONTROL DETAIL SHEET
(Page #12.)

Diagram illustrating the cross-section of a road construction area, showing various features and their corresponding labels:

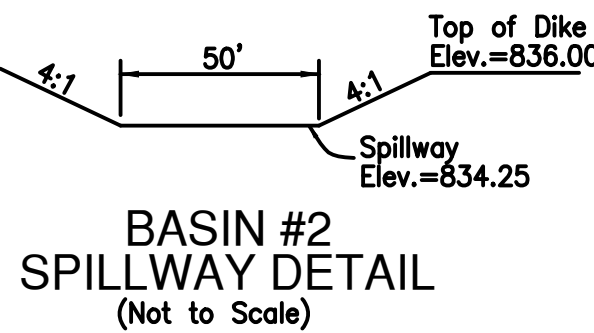
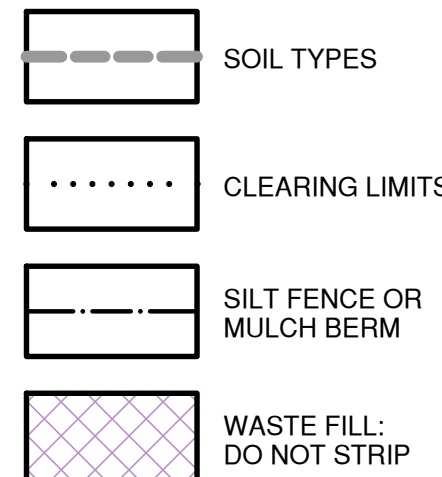
- SOIL TYPES**: Indicated by a horizontal line with alternating segments.
- CLEARING LIMITS**: Indicated by a horizontal line with dots.
- SILT FENCE OR MULCH BERM**: Indicated by a horizontal line with a central break.
- WASTE FILL: DO NOT STRIP**: Indicated by a cross-hatched pattern.
- CORE TRENCH (SEE DETAIL SHEET #6)**: Indicated by a horizontal line with a central break and a small square.



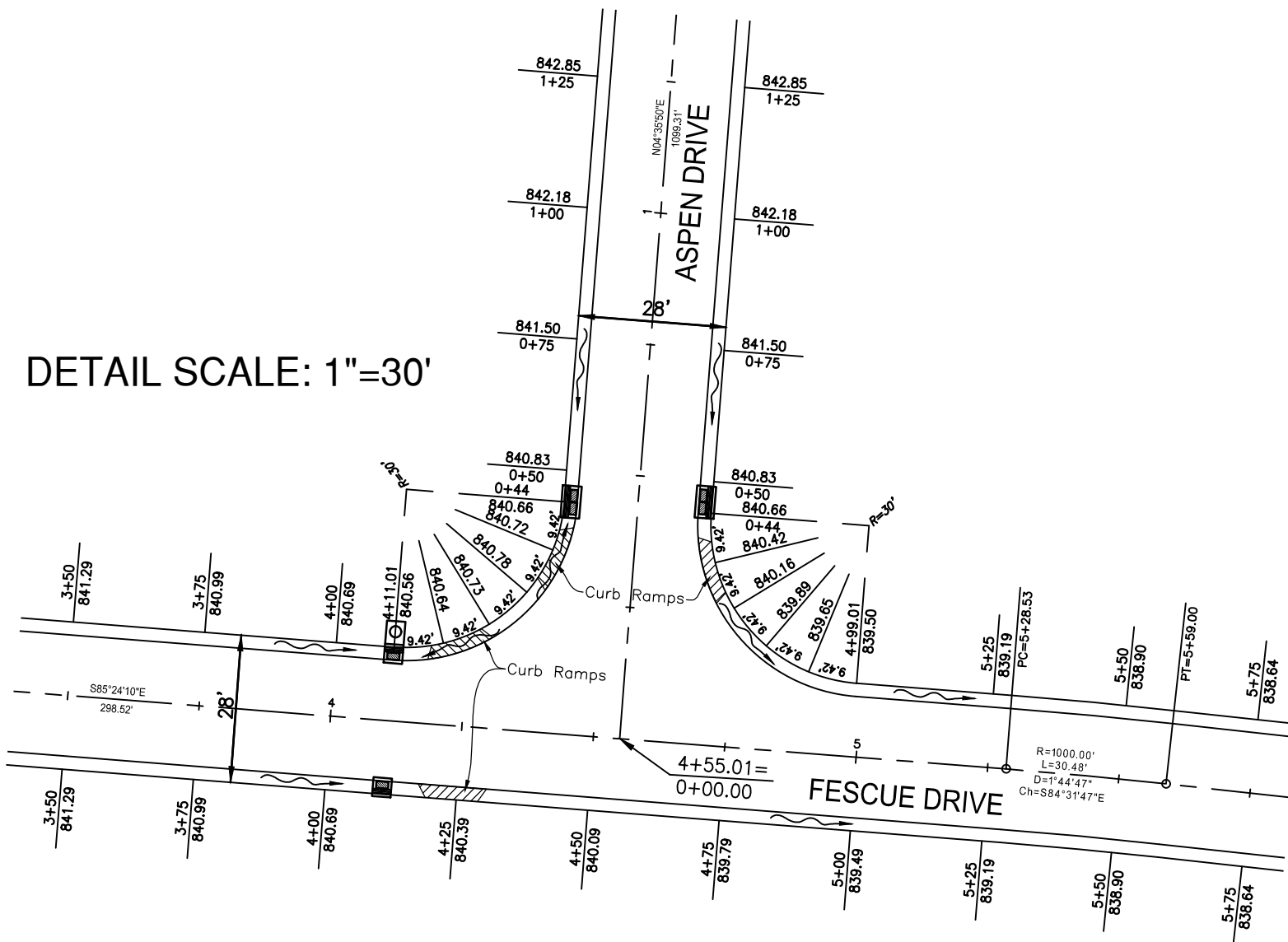
RdA (D)

EROSION CONTROL NOTES

- SEEDING AND MULCHING
- SODDING
- PRESERVE EXISTING VEGETATION
- STRAW BALE
- SILT FENCE OR MULCH BERM
- SOIL PILES
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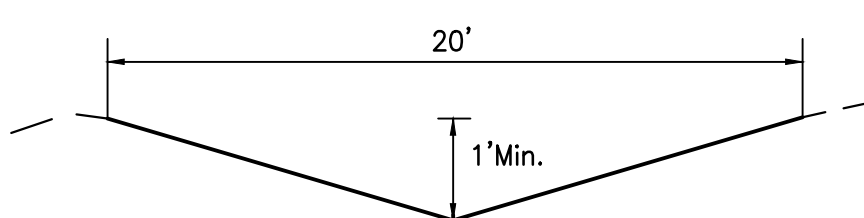
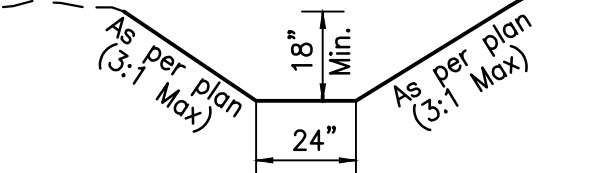
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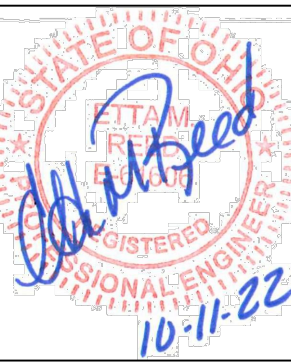
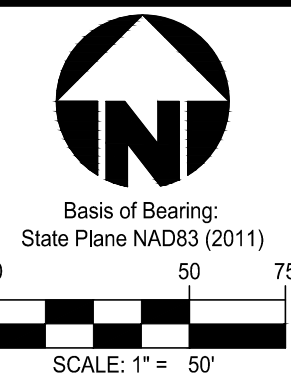
NOTES:

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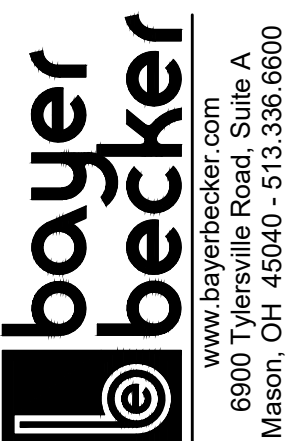


TYPICAL DRAINAGE ROUTE SECTION



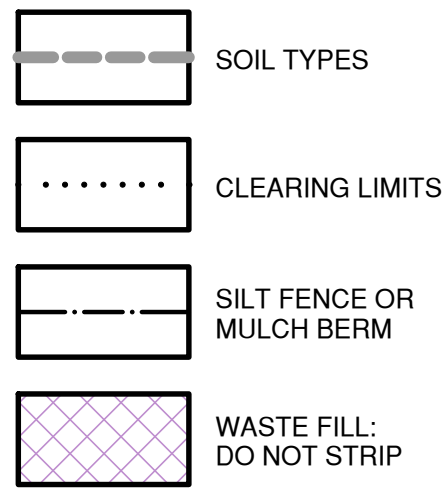
Item	Revision Description	Date	Chk:
1	Revised as per Developer	7-28-22	TAC
2	Revised as per BCEO	8-18-22	TAC
3	Revised as per Block Breakdown	10-11-22	JMW

ESTATES AT WYNDS OF LIBERTY SECTIONS ONE & TWO
SECTION 2, TOWN 2, RANGE 3
LIBERTY TOWNSHIP, BUTLER COUNTY, OH



Drawing:	21-0210 CD
Drawn by:	TAC
Checked by:	
Issue Date:	6-29-22

Sheet: **7/12**

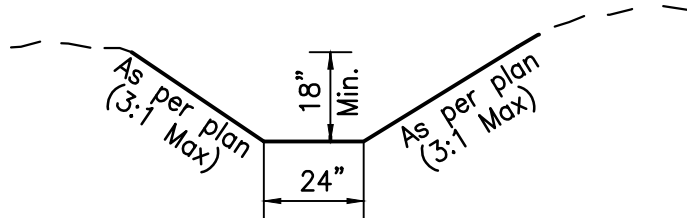


EROSION CONTROL NOTES

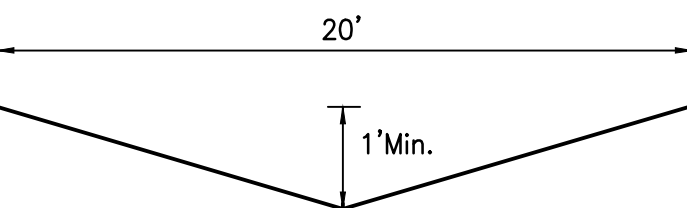
- SEEDING AND MULCHING
- SODDING
- PRESERVE EXISTING VEGETATION
- STRAW BALE
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SEE SOIL EROSION & SEDIMENTATION CONTROL DETAIL SHEET (Page #12)

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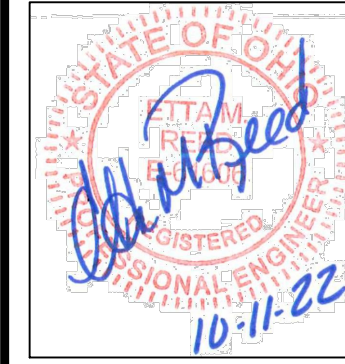
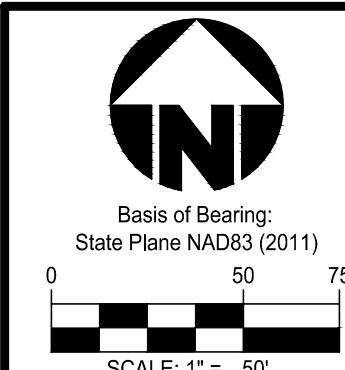
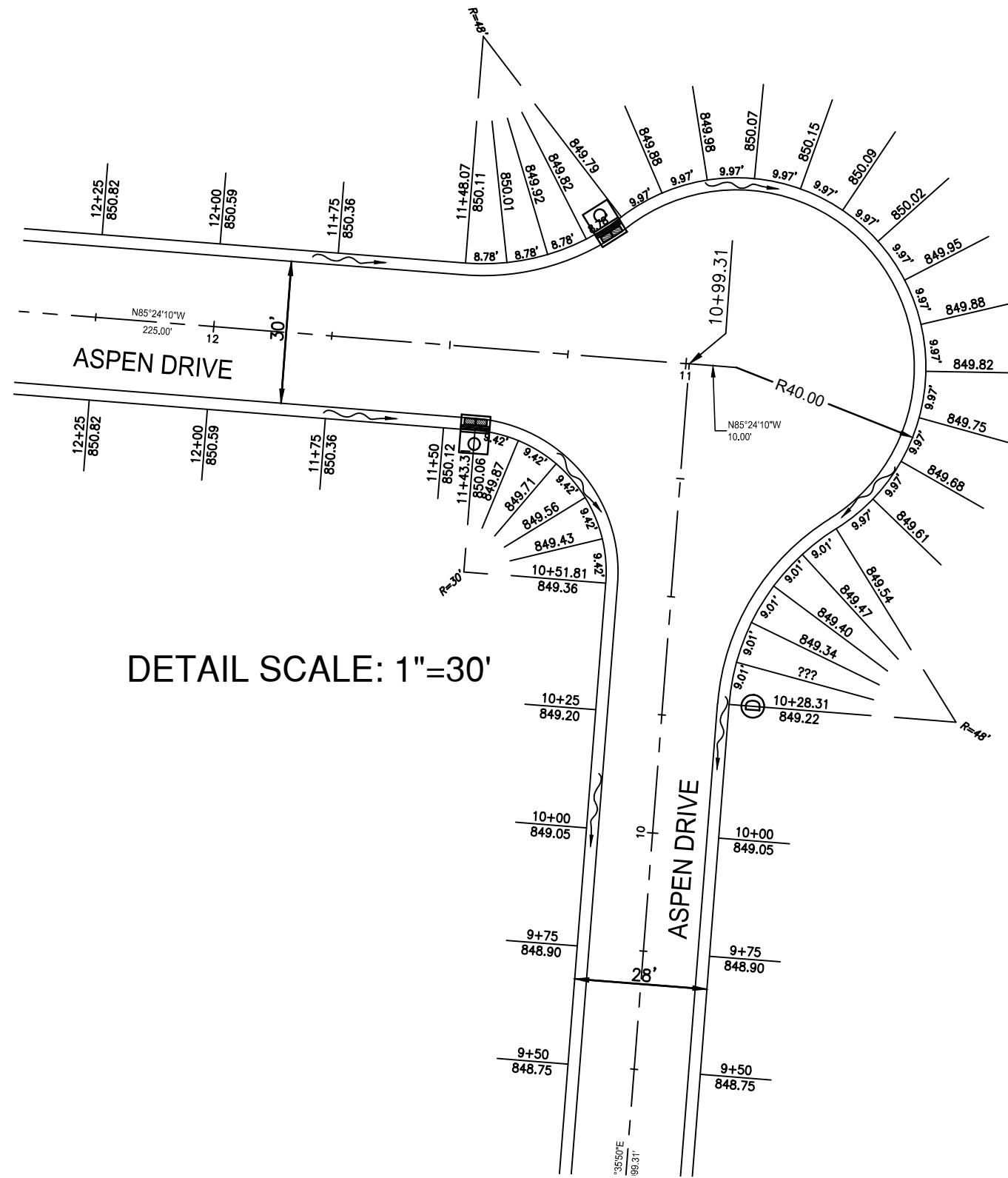
TYPICAL DITCH SECTION



TYPICAL DRAINAGE ROUTE SECTION

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- Quantities for Erosion Control may vary between detailed plans and field conditions during construction. Plan quantities are a minimum; more erosion control may be necessary due to environmental conditions.
- Sedimentation control and ditch swales are subject to change upon completion of entire set of construction drawings.
- No solid or liquid waste shall be discharged into storm water runoff.
- Home builders are responsible for erosion control on each individual lot.
- Contractors to accept all quantities as correct prior to beginning construction.



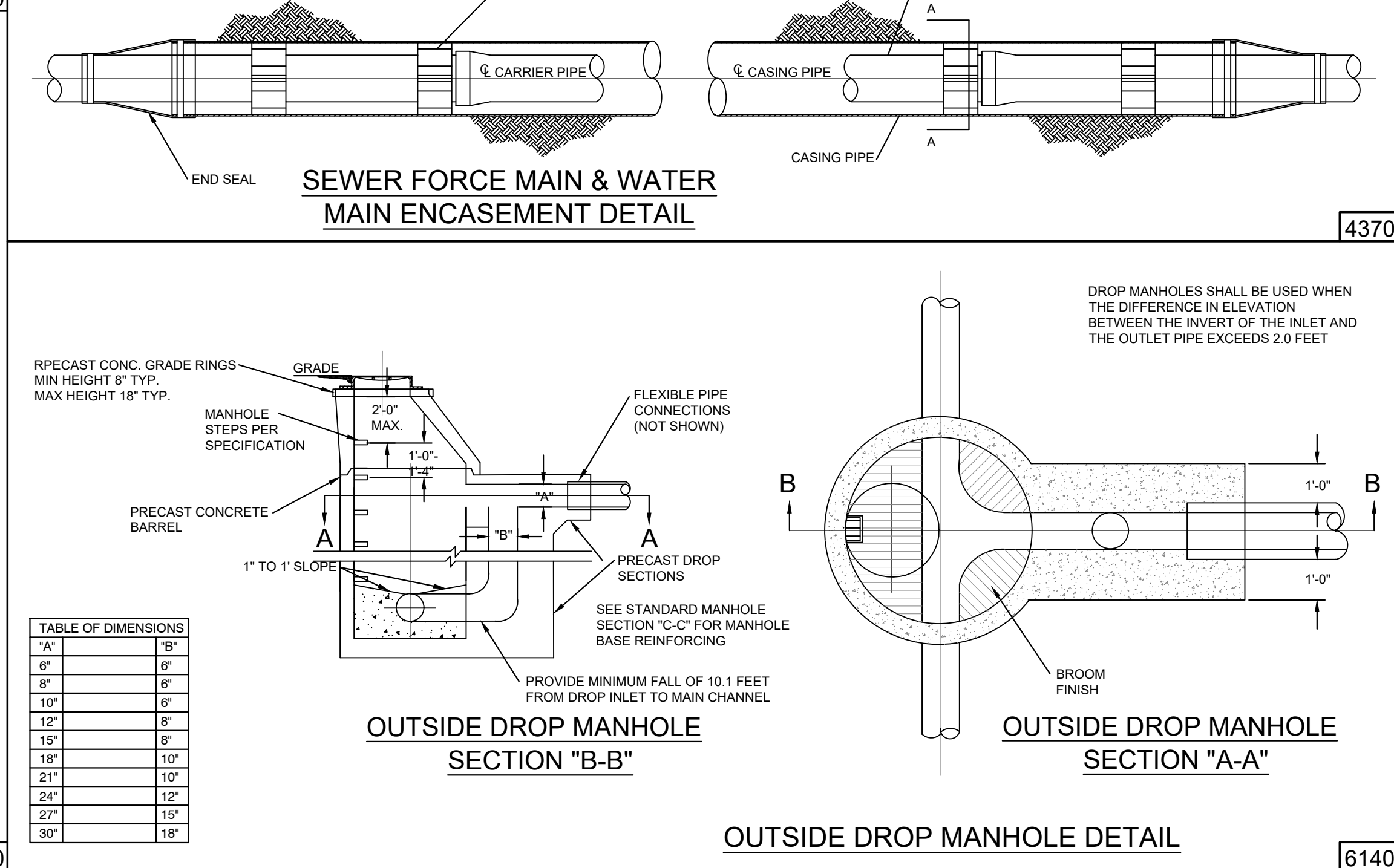
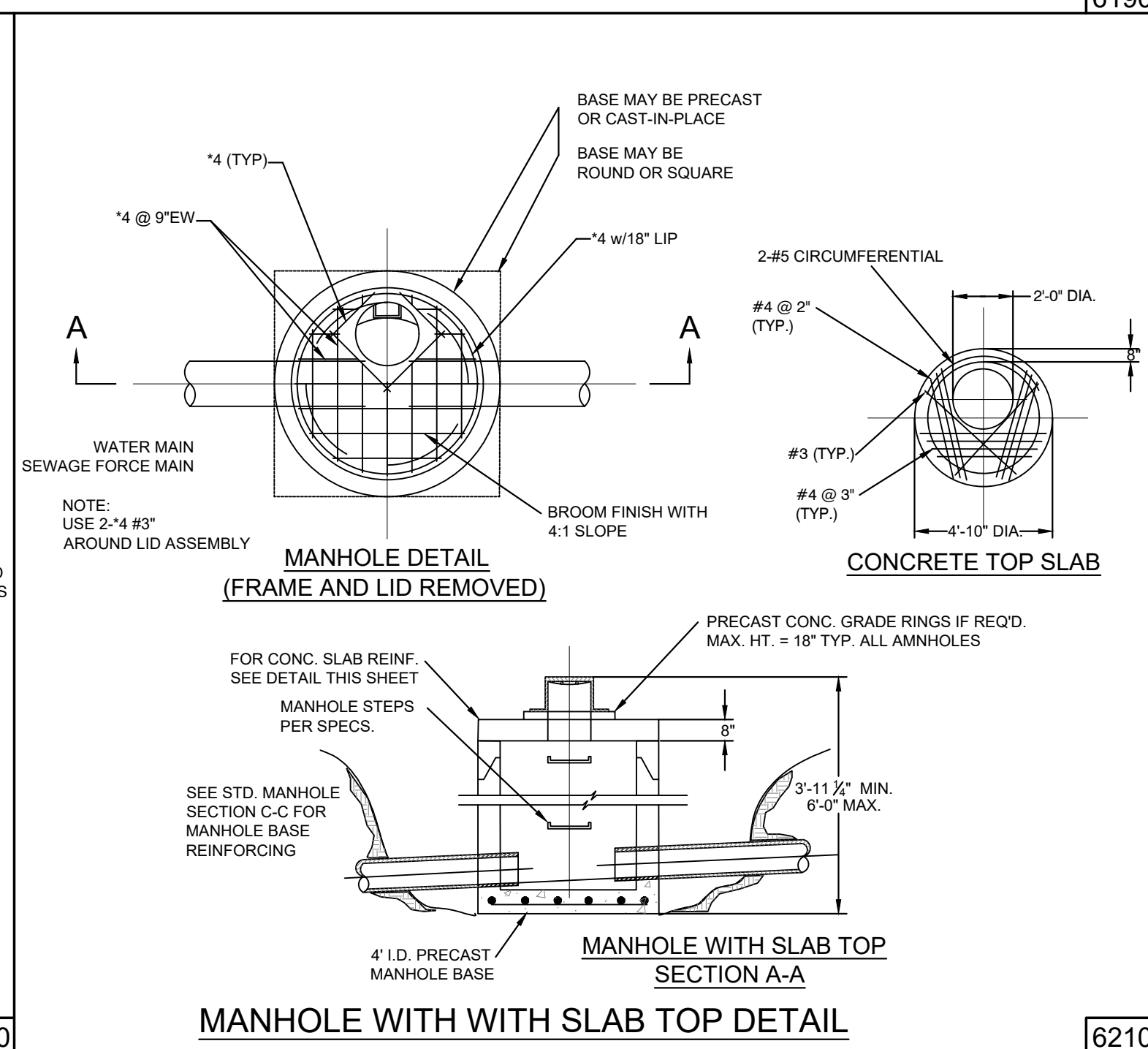
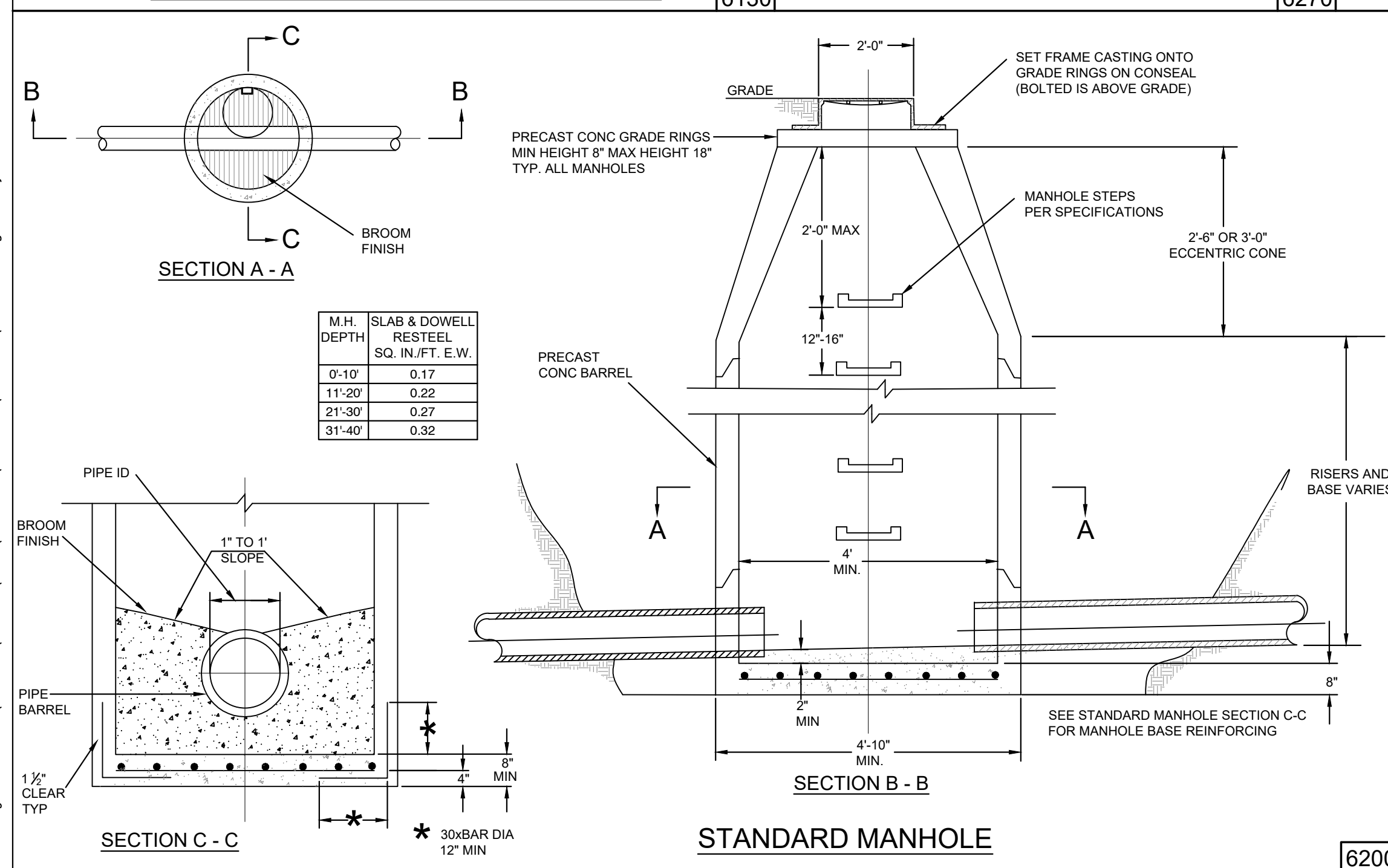
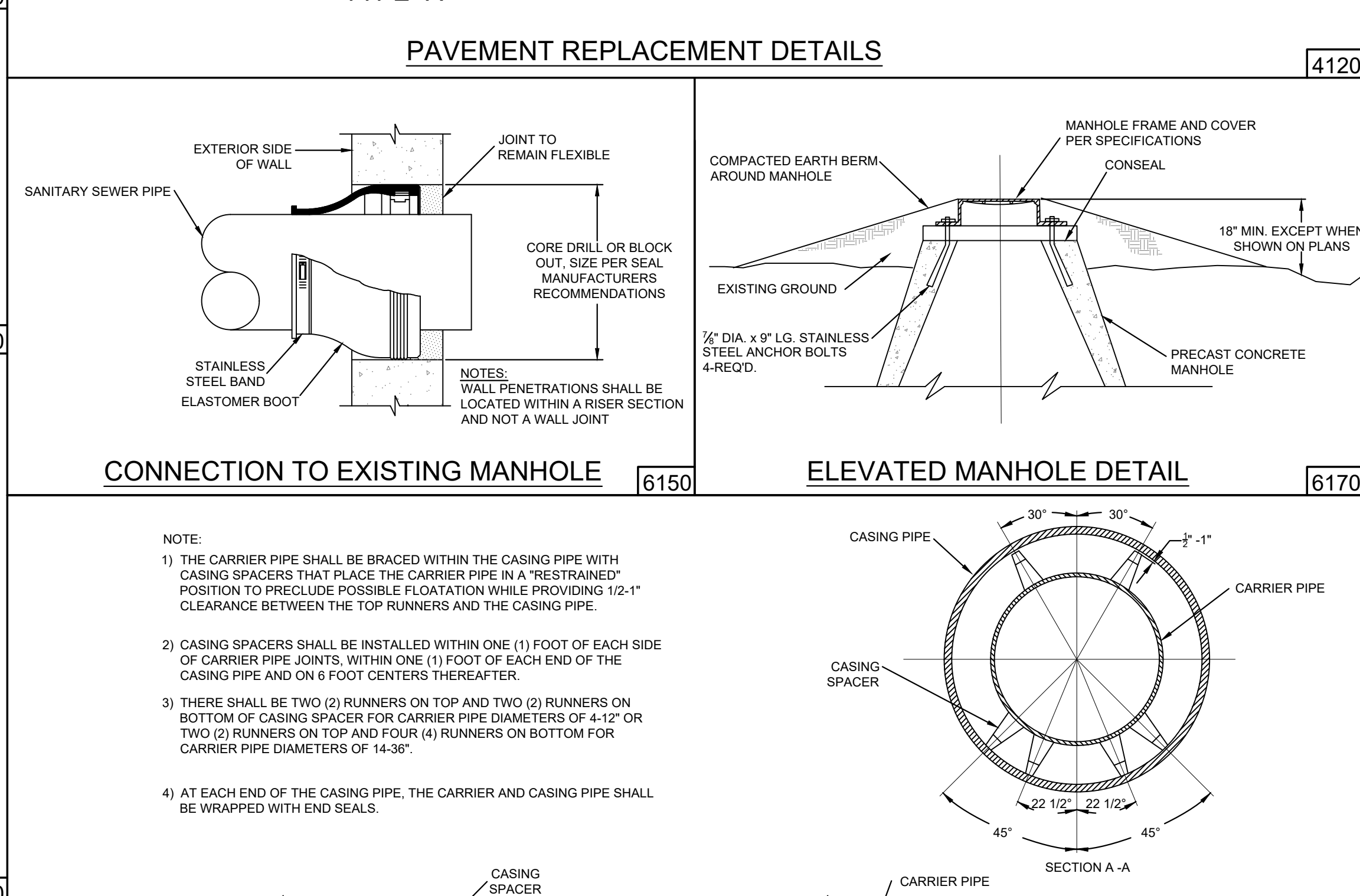
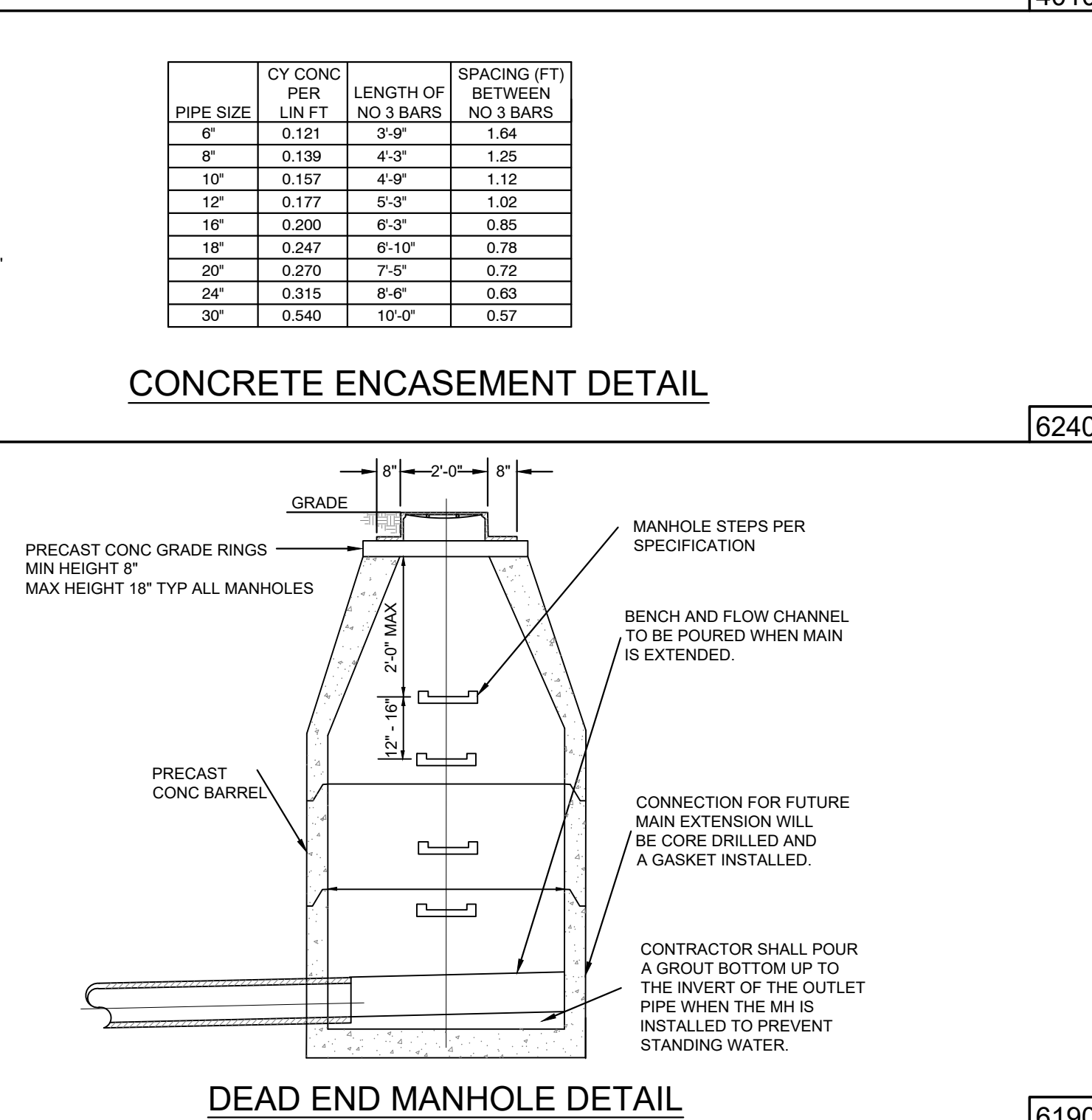
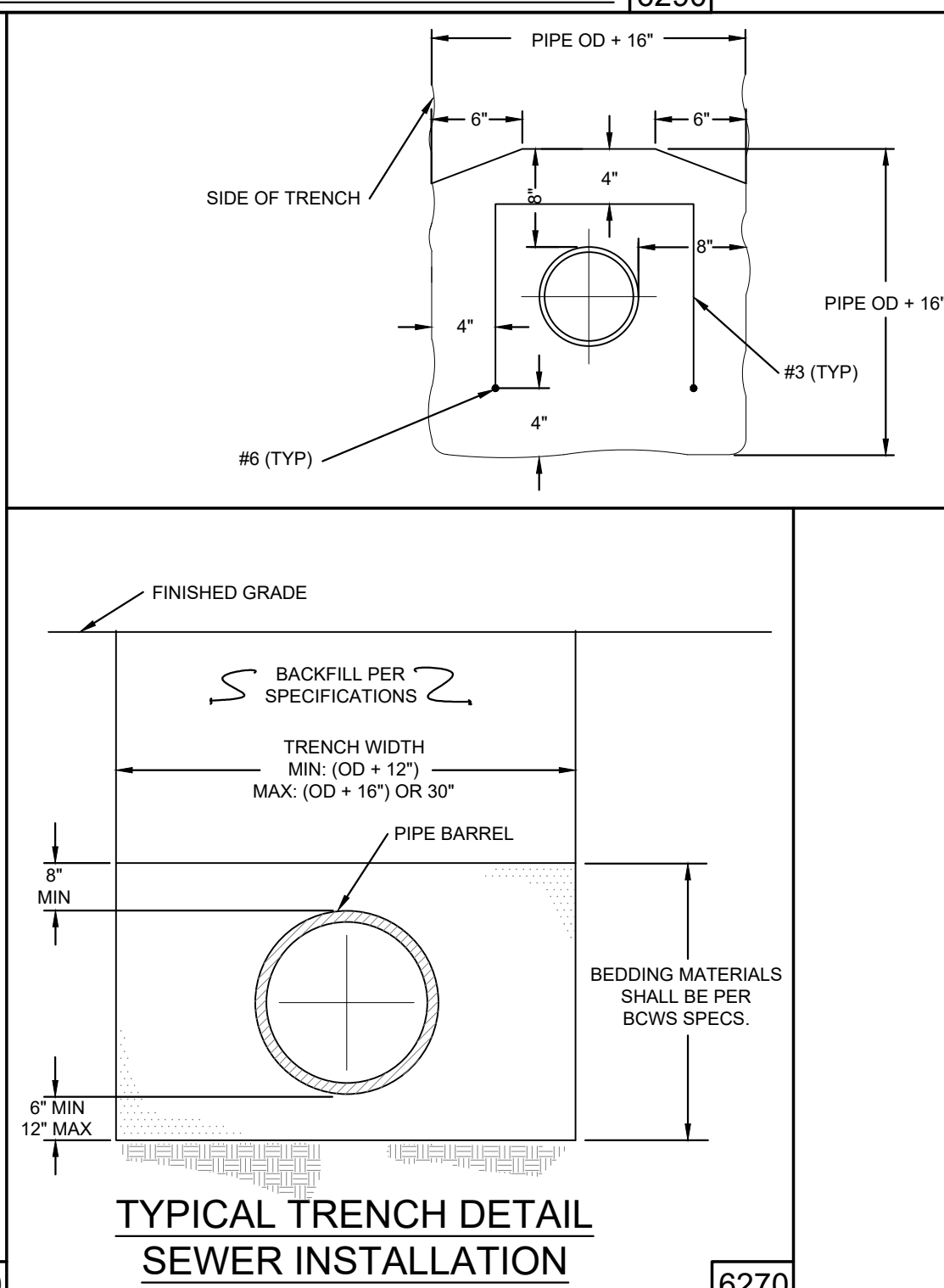
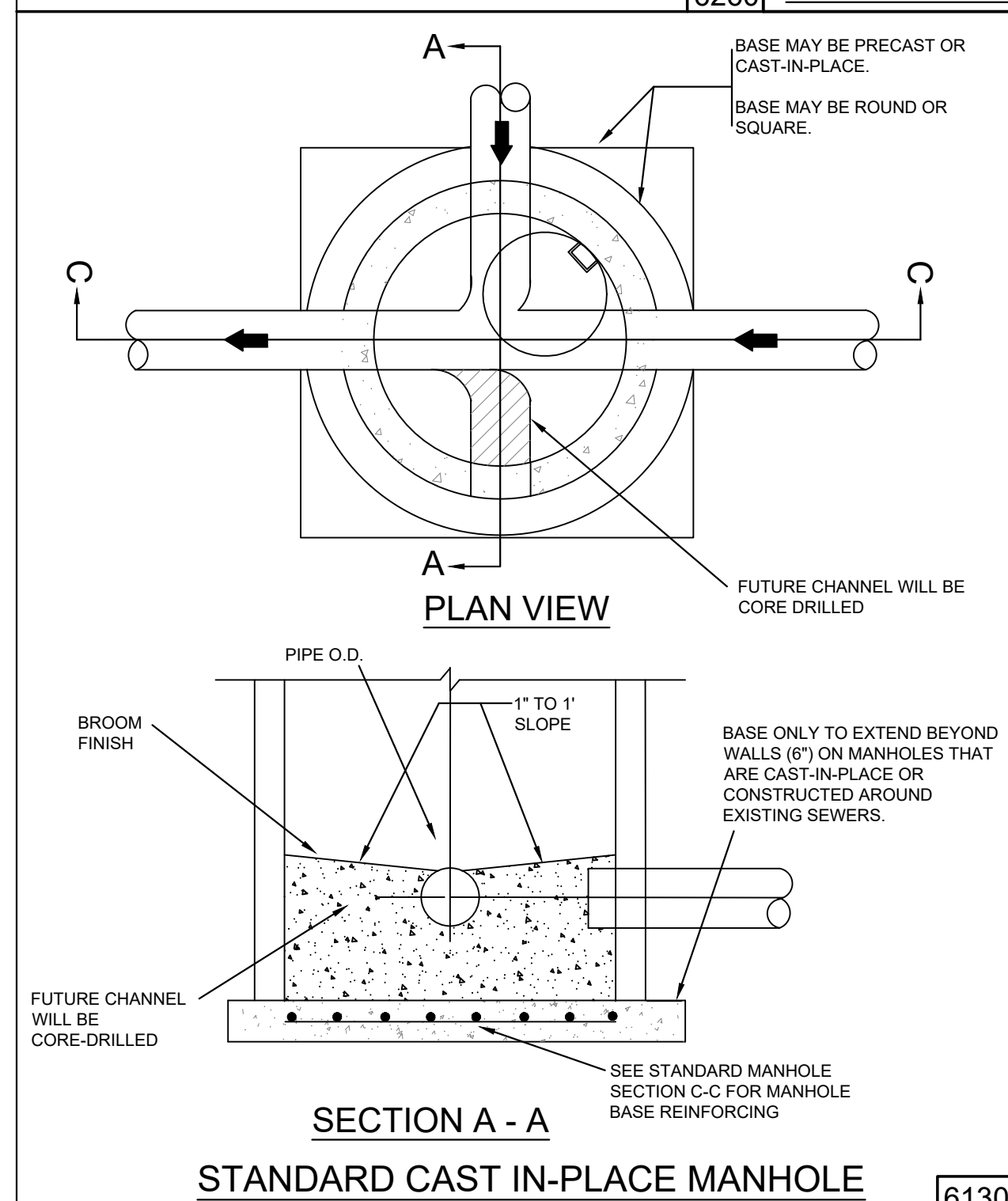
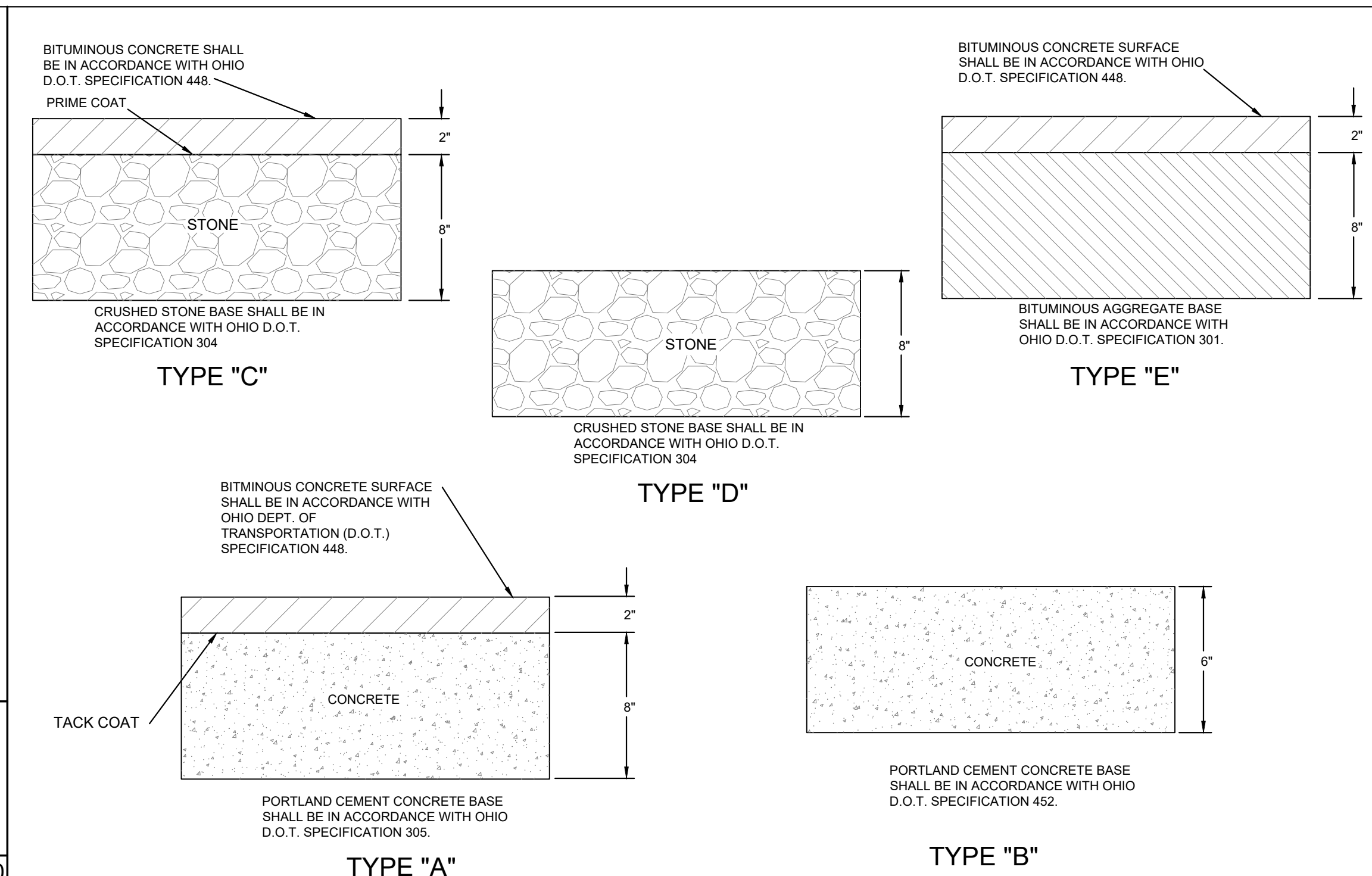
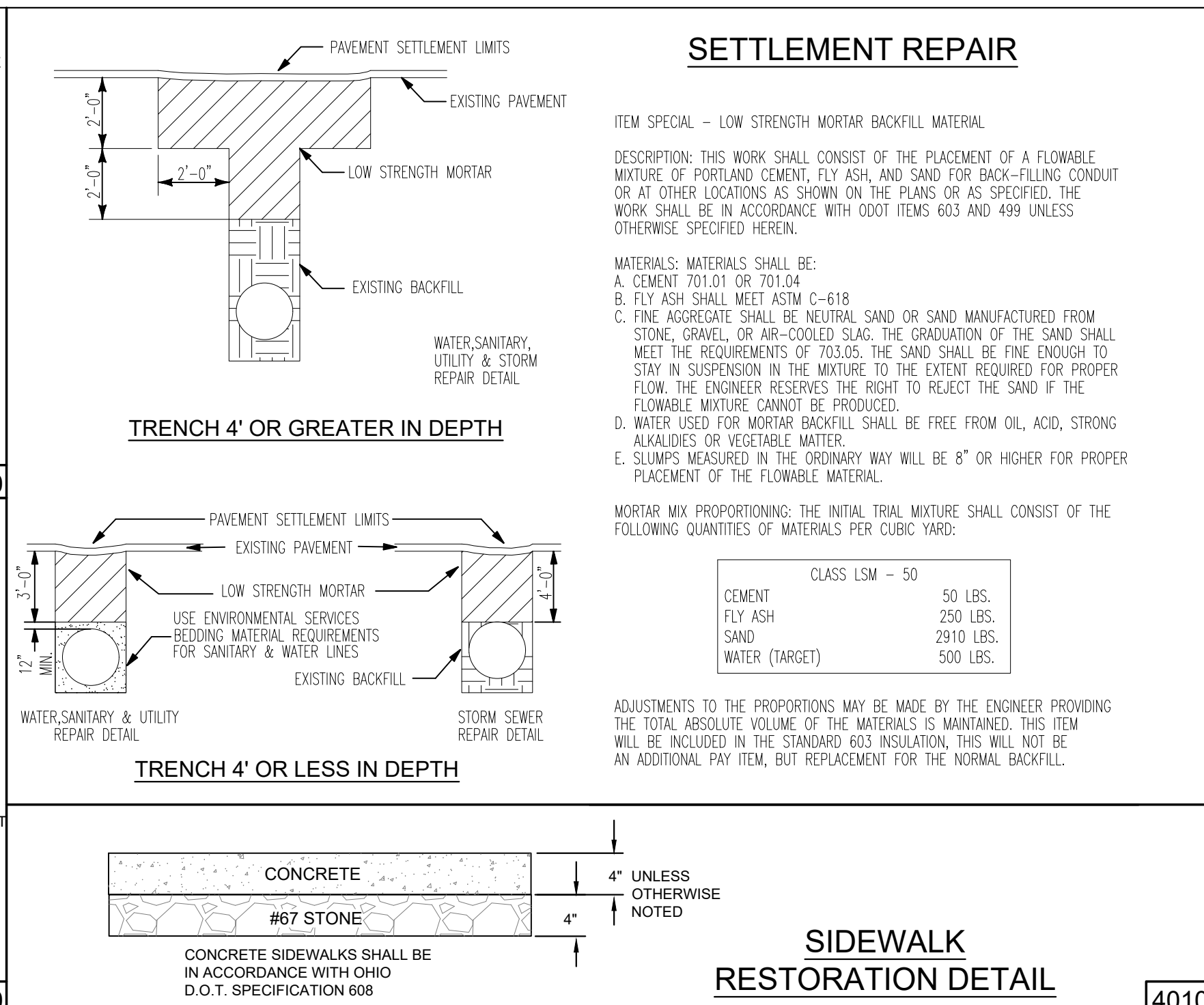
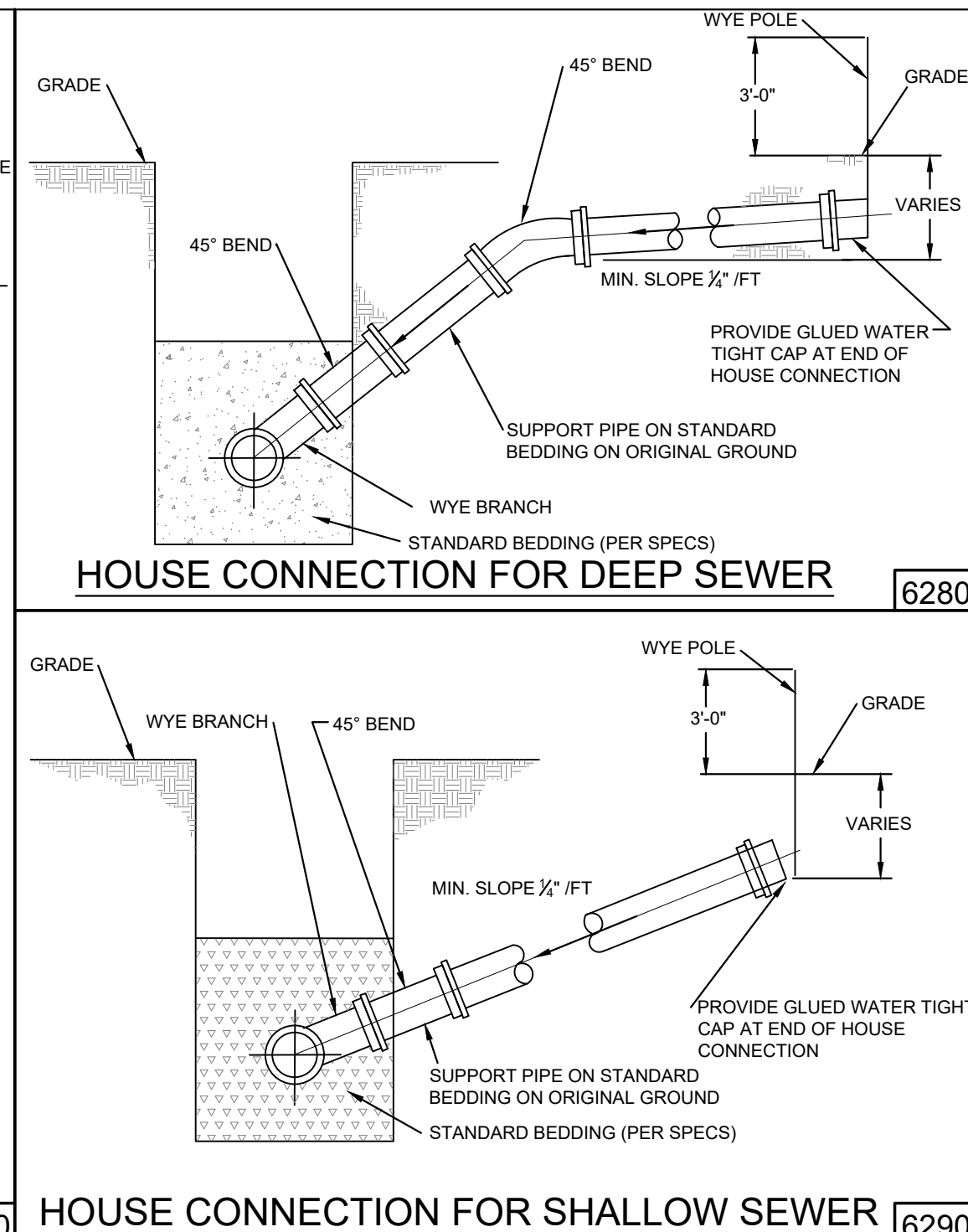
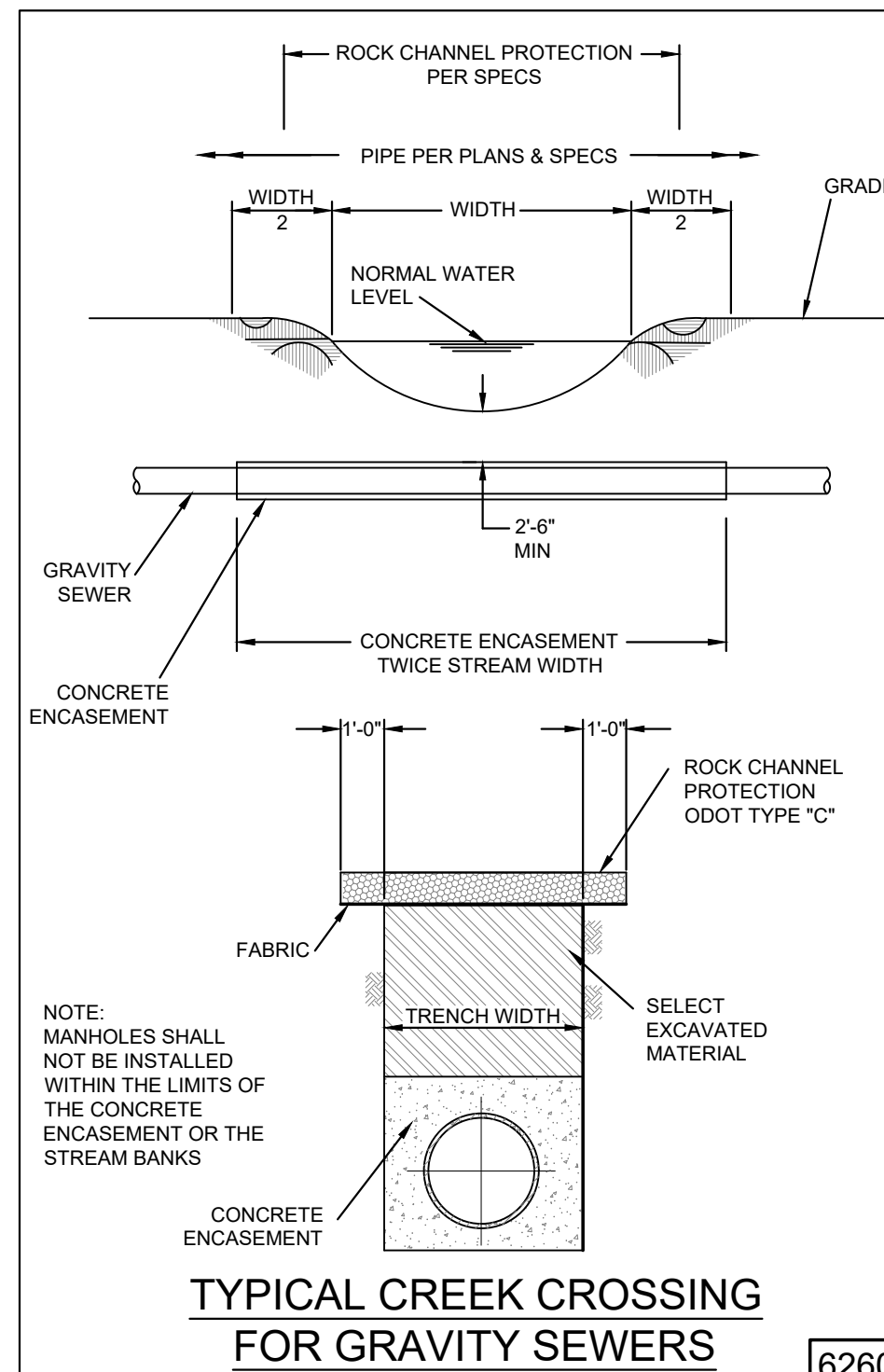
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1	Revised as per Developer	7-28-22	TAC	
2	Revised as per BCEO	8-18-22	TAC	

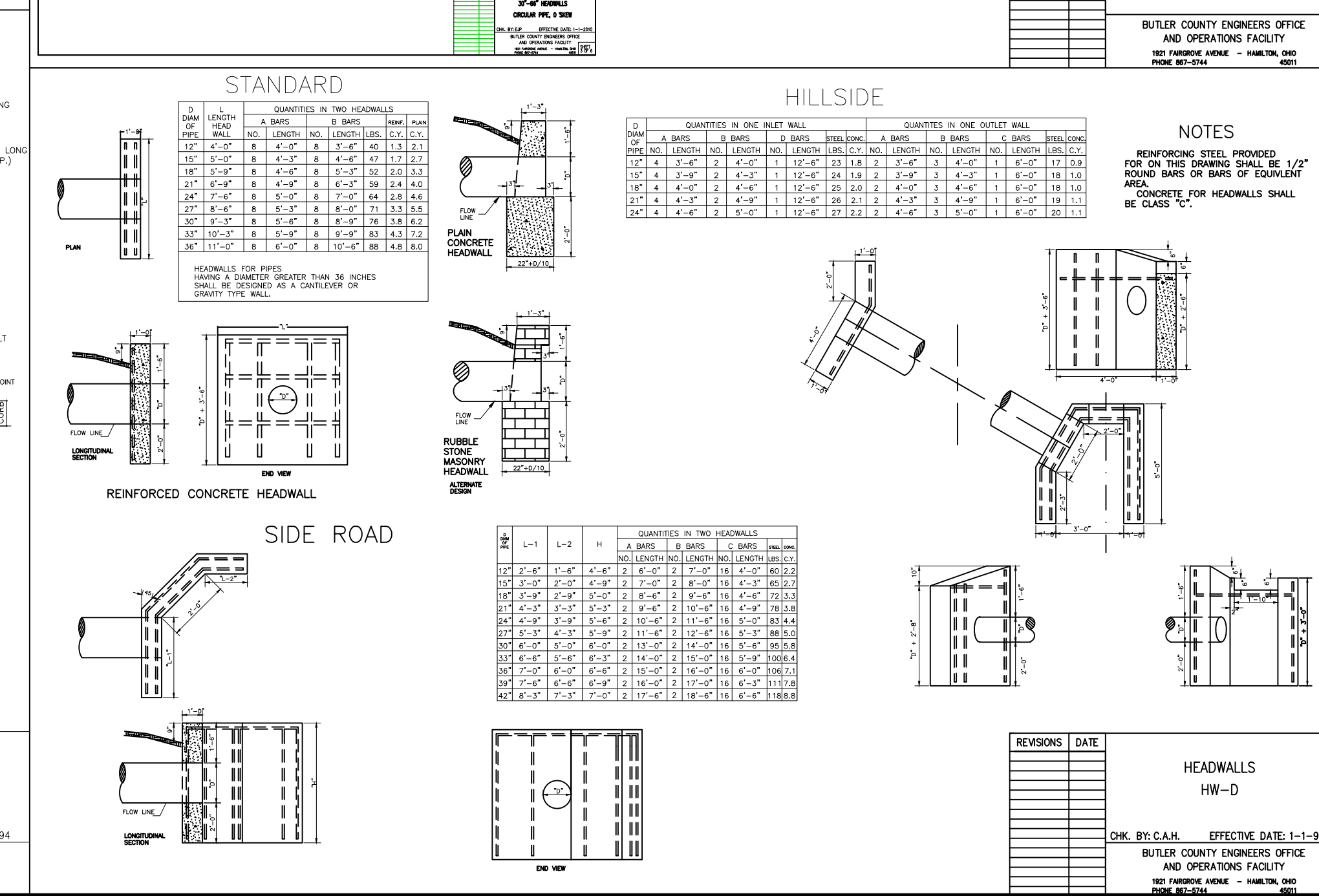
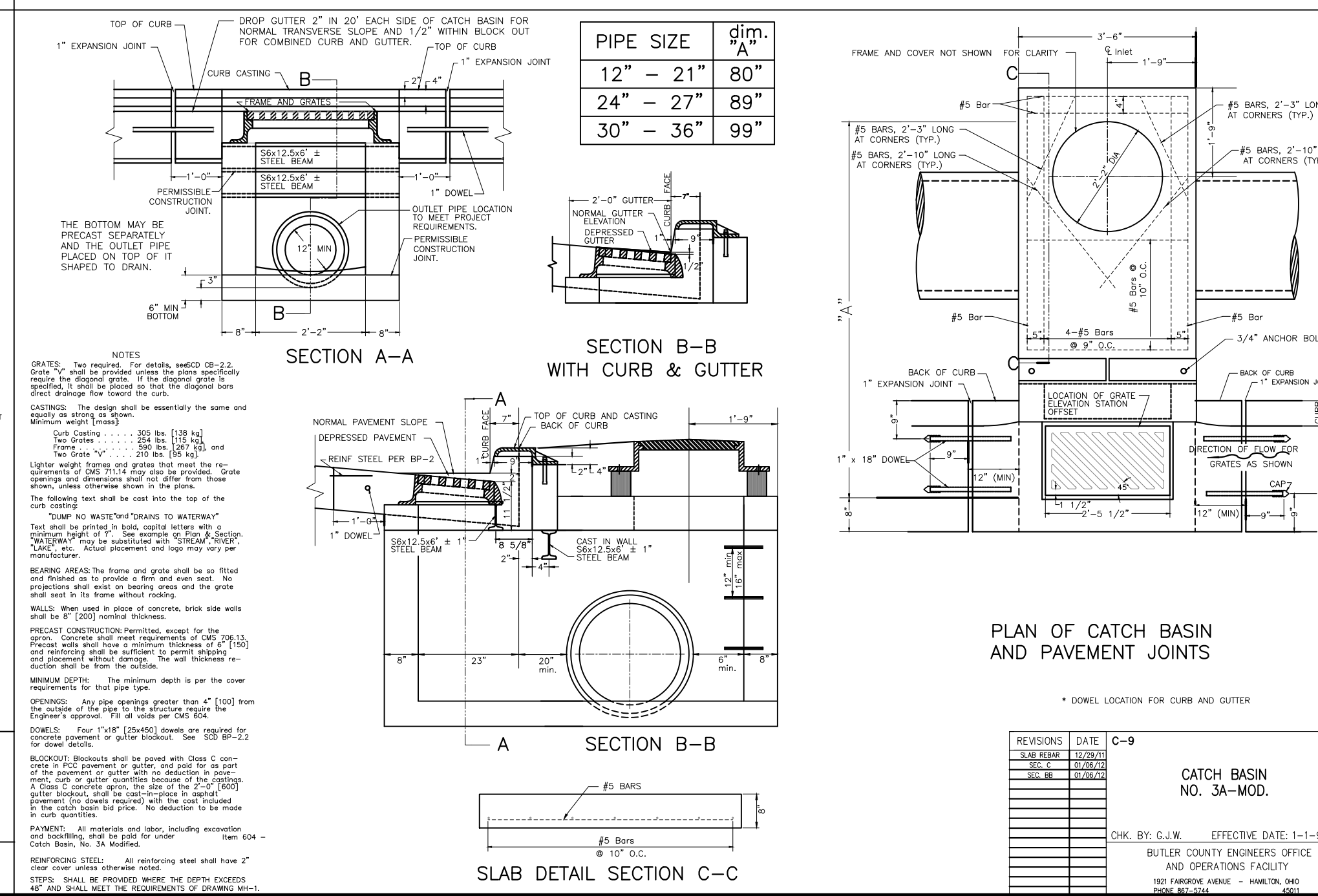
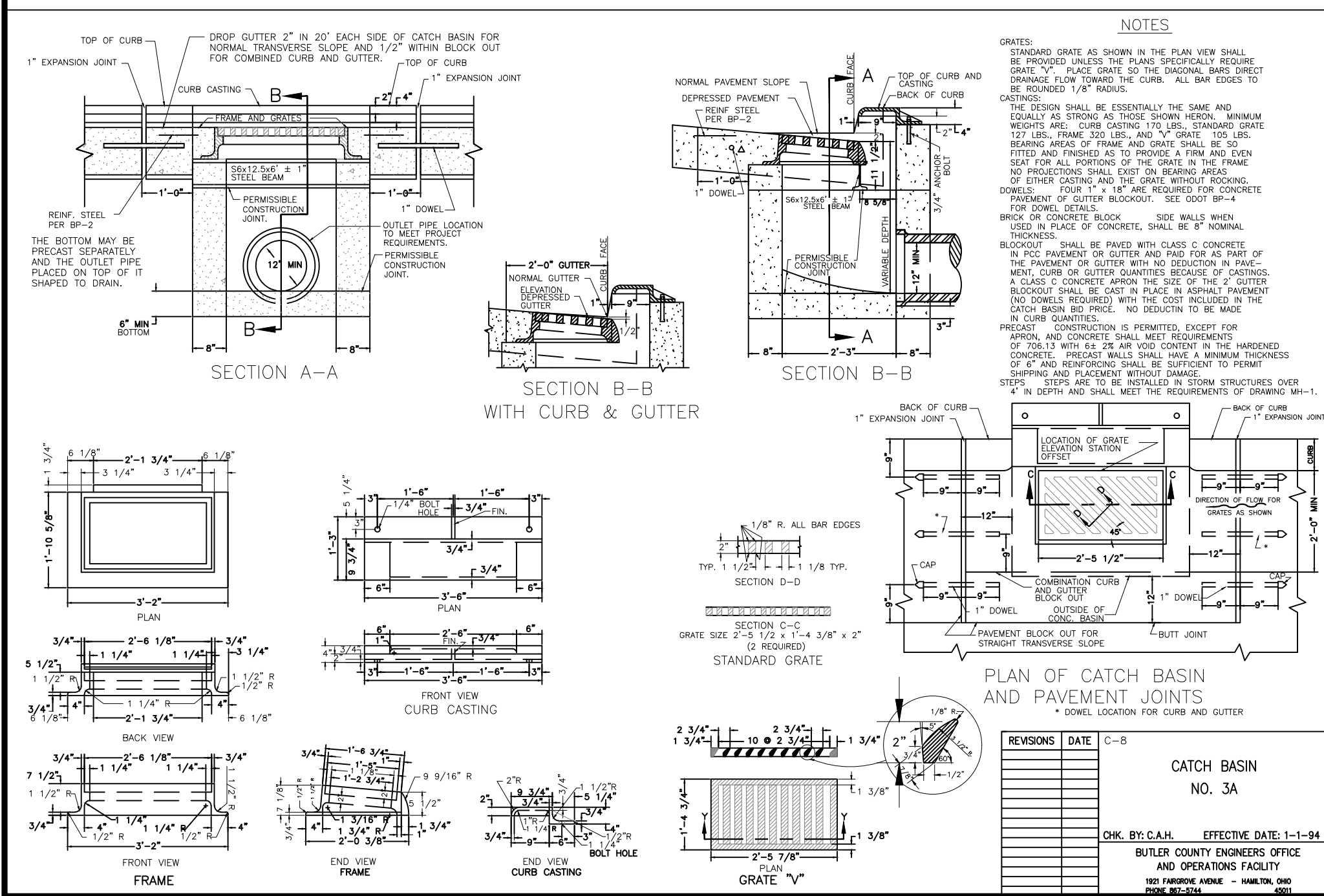
ESTATES AT WYNDS OF LIBERTY SECTIONS ONE & TWO SECTION 2, TOWN 2, RANGE 3 LIBERTY TOWNSHIP, BUTLER COUNTY, OH

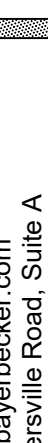


Drawing:	21-0210 CD
Drawn by:	TAC
Checked by:	
Issue Date:	6-29-22

Sheet:
8/12





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