

PRELIMINARY & FINAL MAJOR SITE PLANS, SUBDIVISION PLAN & SIGN WAIVERS PHASE 1 & PRELIMINARY MAJOR SITE PLAN PHASE 2

FOR
ER/UDC WEST WINDSOR LLC

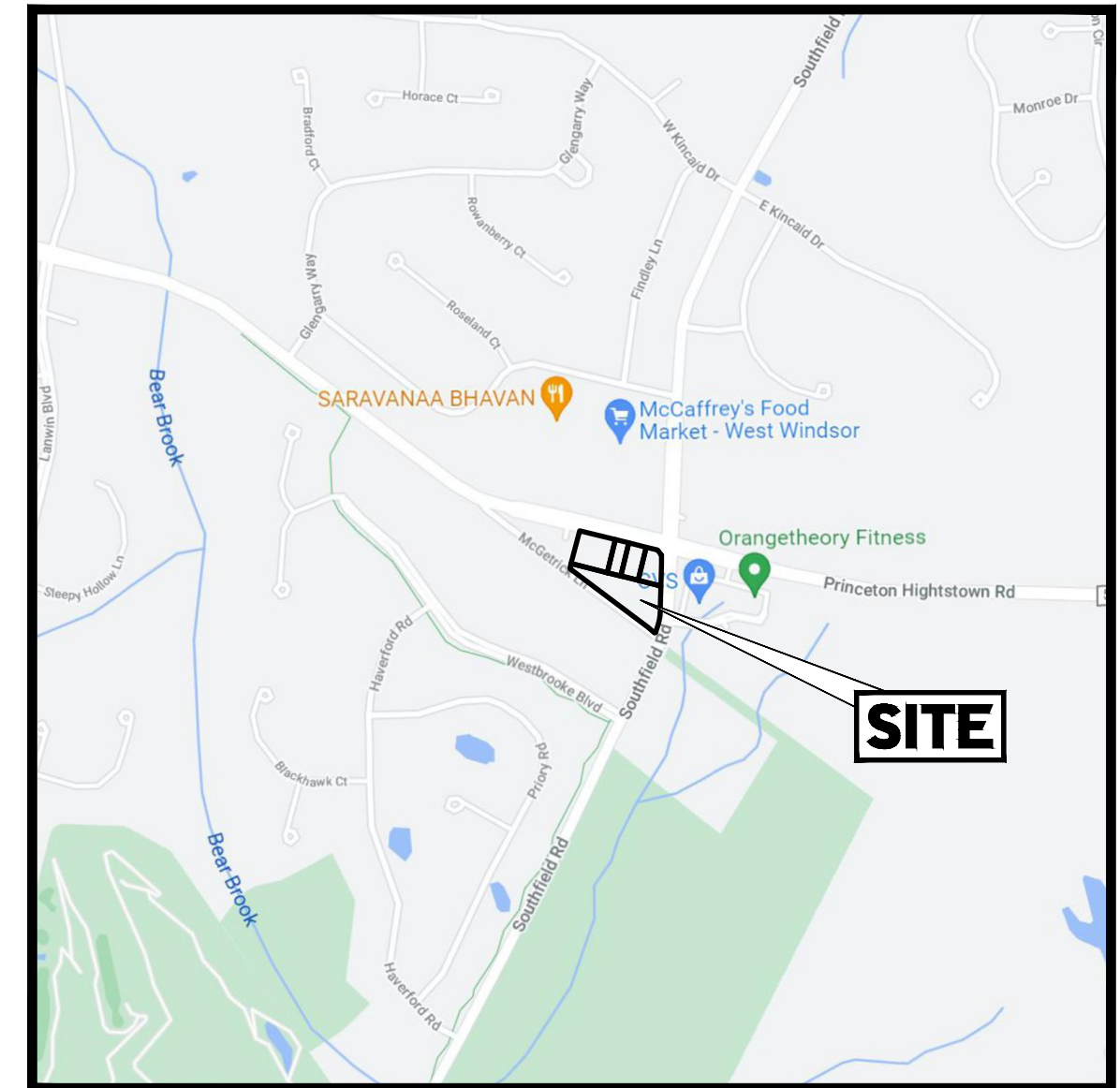
PROPOSED
QUICKCHEK FOOD STORE WITH FUEL SALES AND RESTAURANT WITH DRIVE-THRU

MAP 23.03 BLOCK 47 LOT 2-6

332-340 HIGHTSTOWN ROAD AND 125 SOUTHFIELD ROAD
TOWNSHIP OF WEST WINDSOR, MERCER COUNTY, NEW JERSEY



USGS MAP
SCALE: 1" = 1000'
SOURCE: USGS MAP LOCATOR



KEY MAP
SCALE: 1" = 1000'
SOURCE: GOOGLE MAPS



REVISIONS

REV	DATE	COMMENT	DRAWN BY	CHECKED BY
1	03/09/2022	REV. PER DRCC COMMENTS	CPR	TXL
2	12/05/2022	REV. PER TOWNSHIP COMMENTS	CPR	TXL
3	02/21/2023	REV. PER TOWNSHIP COMMENTS	CPR	TXL
4	04/12/2023	REV. PER TOWNSHIP COMMENTS	MED	TXL
5	09/18/2023	REV. PER COUNTY ROW IMPROVEMENTS	MAJ/TW	TXL
6	11/07/2023	REV. PER TOWNSHIP COMMENTS	MAI	TXL

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ISSUED FOR MUNICIPAL & AGENCY REVIEW & APPROVAL

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PROJECT No.: J190844
DRAWN BY: CPR
CHECKED BY: TXL
DATE: 11/04/2021
CAD ID: J190844-COV-6A

PROJECT:
PRELIMINARY & FINAL MAJOR SITE PLAN & PRELIMINARY & FINAL MAJOR SUBDIVISION PLAN

FOR
ER/UDC WEST WINDSOR LLC
PROPOSED QUICKCHEK FOOD STORE WITH FUEL SALES AND RESTAURANT WITH DRIVE-THRU
MAP: 23.03 | BLK: 47 | LOTS: 2-6
332-340 HIGHTSTOWN ROAD AND 125 SOUTHFIELD ROAD
TOWNSHIP OF WEST WINDSOR
MERCER COUNTY, NEW JERSEY

BOHLER
BOHLER ENGINEERING NJ, LLC
30 INDEPENDENCE BLVD., SUITE 200
WARREN, NJ 07059
Phone: (908) 685-6300
Fax: (908) 724-4401
www.BohlerEngineering.com
NJ CERT. OF AUTHORIZATION NO. 246A28191700 & M64000122

T. LAM
PROFESSIONAL ENGINEER
NEW JERSEY LICENSE No. 47862
NEW YORK LICENSE No. 092942
CONNECTICUT LICENSE No. 36024
PENNSYLVANIA LICENSE No. 76748

SHEET TITLE:
COVER SHEET

SHEET NUMBER:
C-101

REVISION 6 - 11/07/2023

PROPERTY OWNERS LIST
WITHIN 200' RADIUS

BLOCK	LOT	OWNER	BLOCK	LOT	OWNER	BLOCK	LOT	OWNER
47	2, 3, 4, 5, 6	HENNINGSON, LLC, 61 CANBROOK RD., HAMILTON SQUARE, NJ 08699 WWM PROP., LLC CHARLESTOWN CTR, 1260 STELTOWN RD., PISCATAWAY, NJ 08854 WWM PROP., LLC CHARLESTOWN CTR, 1260 STELTOWN RD., PISCATAWAY, NJ 08854	47	1	CHAIWYOK HOLDINGS, LLC, 338 HIGHTSTOWN ROAD, WEST WINDSOR, NJ 08550 SOUTHFIELD COMMONS ASSOC., HELLER, PO BOX 700, 180 MAIN ST., MADISON, NJ 07940 WEST WINDSOR TOWNSHIP, PO BOX 38, 271 CLARKSVILLE ROAD, WEST WINDSOR, NJ 08550	47	4	STANLEY SIBERT, 338 HIGHTSTOWN RD., WEST WINDSOR, NJ 08550
21-27	1	WWM PROP., LLC CHARLESTOWN CTR, 1260 STELTOWN RD., PISCATAWAY, NJ 08854	20-10	1	TRISTATE PETRO INC., PO BOX 31, WINDSOR, NJ 08661 WEST WINDSOR TOWNSHIP, PO BOX 38, 271 CLARKSVILLE ROAD, WEST WINDSOR, NJ 08550	22	3, 02	TRISTATE PETRO INC., PO BOX 31, WINDSOR, NJ 08661 WEST WINDSOR TOWNSHIP, PO BOX 38, 271 CLARKSVILLE ROAD, WEST WINDSOR, NJ 08550
28	1, 01	WWM PROP., LLC CHARLESTOWN CTR, 1260 STELTOWN RD., PISCATAWAY, NJ 08854	28	6	WEST WINDSOR TOWNSHIP, PO BOX 38, 271 CLARKSVILLE ROAD, WEST WINDSOR, NJ 08550	28	16	WEST WINDSOR TOWNSHIP, PO BOX 38, 271 CLARKSVILLE ROAD, WEST WINDSOR, NJ 08550

ALSO TO BE NOTIFIED:
COMCAST, MONMOUTH CLUSTER, 751 BRICK BLVD., BRICK, NJ 08723
NJ AMERICAN WATER COMPANY INC., GIS SUPERVISOR, 1 WATER STREET, CAMDEN, NJ 08102-1659

ALSO TO BE NOTIFIED:
MERCER COUNTY DEPT. OF TRANSPORTATION, 640 S. BROAD ST., ADMIN. BLDG., ROOM 301, TRENTON, NJ 08650
VERIZON NJ CO WIRELINE ENGINEERING, 999 W. MAIN ST., FURG. FRESHFIELD, NJ 07728

ALSO TO BE NOTIFIED:
PUBLIC SERVICE ELECTRIC AND GAS COMPANY, MANAGER, CORPORATE PROPERTIES, 80 PARK PLAZA, TBS, NEWARK, NJ 07102
CPFA, REAL ESTATE, PO BOX 911, MORRISTOWN, NJ 07962

BUILDING PERMIT BLOCK

I HEREBY CERTIFY THAT A BOND HAS BEEN POSTED FOR ALL THE REQUIRED IMPROVEMENTS IN COMPLIANCE WITH ALL APPLICABLE CODES AND ORDINANCES.

TOWNSHIP CLERK _____ DATE _____
BUILDING PERMIT ISSUED _____ DATE _____

PAYMENT VERIFICATION BLOCK

VERIFICATION THAT PAYMENT OF MUNICIPAL TAXES OR ASSESSMENTS IS CURRENT

TOWNSHIP CLERK _____ DATE _____

HEALTH OFFICER APPROVAL BLOCK

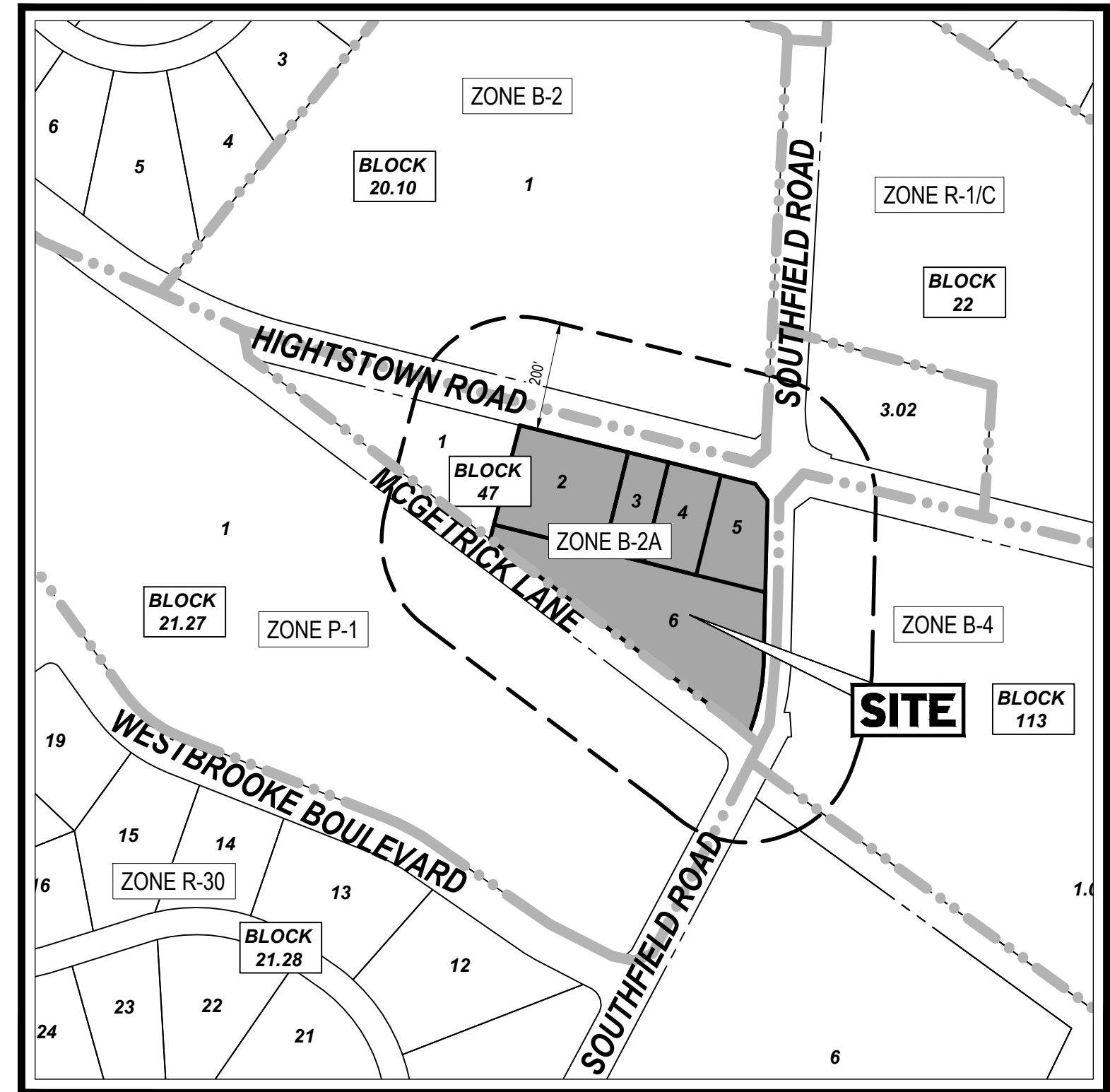
APPROVED BY HEALTH OFFICER

CHAIRMAN _____ DATE _____

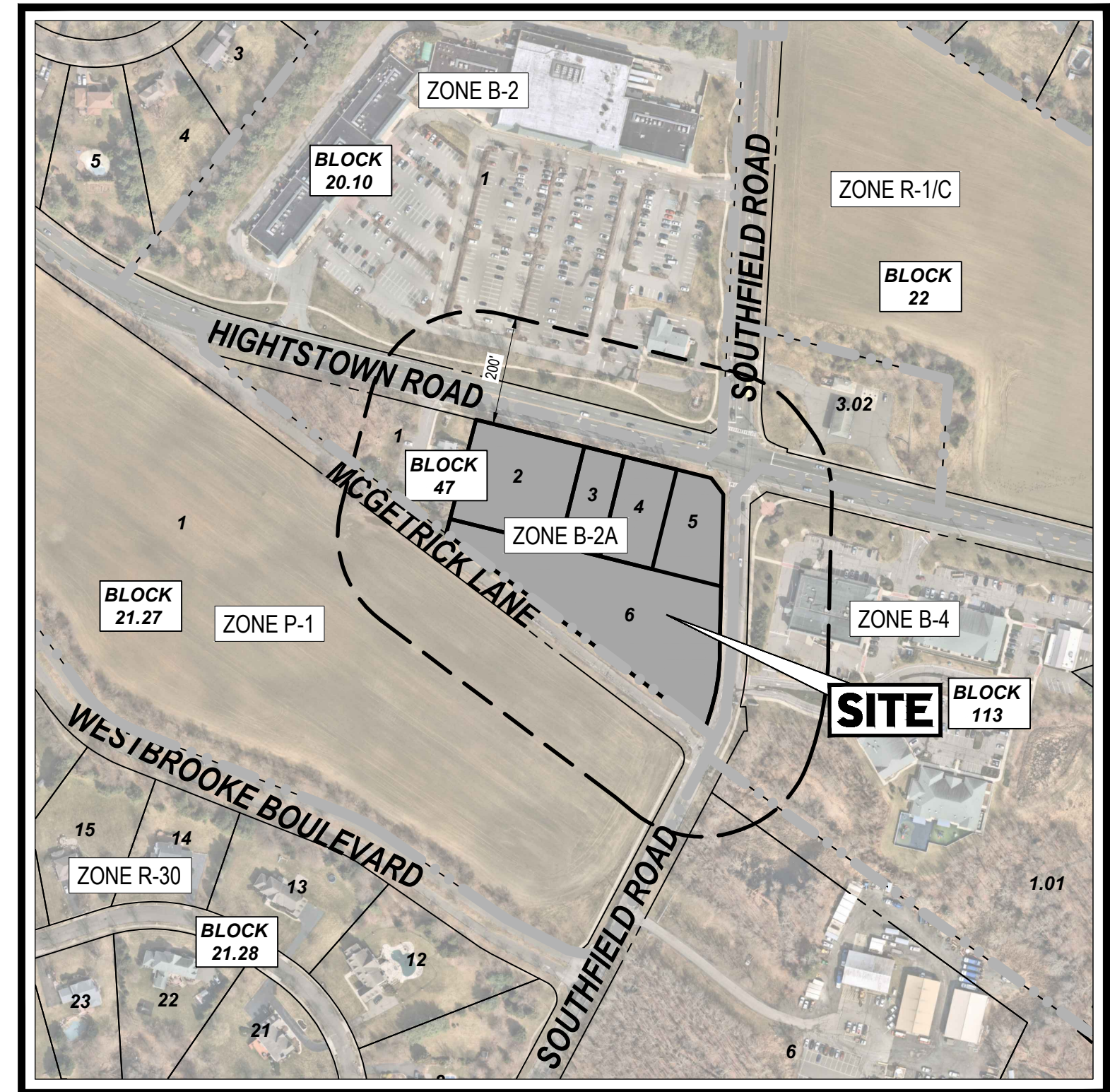
EXPIRATION OF APPROVAL BLOCK

EXPIRATION OF APPROVAL (PRELIMINARY - 3 YEARS; FINAL 2 YEARS)

DATE OF EXPIRATION (WITHOUT EXTENSIONS) _____



TAX MAP
SCALE: 1" = 250'
SOURCE: MERCER COUNTY TAX MAPS



AERIAL MAP
SCALE: 1" = 250'
SOURCE: NEARMAP

PREPARED BY



APPLICATION INFORMATION

PROPOSED LOT 1: PRELIMINARY & FINAL MAJOR SITE PLAN FOR PROPOSED QUICKCHEK FOOD STORE WITH FUEL SALES (PHASE 1)
PROPOSED LOT 2: PRELIMINARY MAJOR SITE PLAN FOR PROPOSED RESTAURANT WITH DRIVE-THRU (PHASE 2)

DRAWING SHEET INDEX

SHEET TITLE	NUMBER
COVER SHEET	C-101
NOTES AND REFERENCES SHEET	C-102
DEMOLITION PLAN	C-201
SITE LAYOUT PLAN	C-301
PHASING PLAN	C-302
GRADING PLAN	C-401
ADA DETAIL SHEET	C-402-C-403
DRAINAGE PLAN	C-404
UTILITIES PLAN	C-501
SOIL EROSION & SEDIMENT CONTROL PLAN	C-601
SOIL EROSION & SEDIMENT CONTROL DETAILS	C-602
LANDSCAPE PLAN	C-701
LANDSCAPE NOTES & DETAILS	C-702
TREE REMOVAL PLAN	C-703
TREE REMOVAL CHARTS	C-704
LIGHTING PLAN	C-705
MCGETRICK LANE PROFILE PLAN	C-801
DETAIL SHEET (A-1)	C-901-C-909
OFF-SITE PAVEMENT MARKING & SIGNAGE (BY ATLANTIC TRAFFIC DESIGN ENGINEERS)	PLAN 1 OF 3
MCGETRICK LANE PROFILE STA. 10+50 - 18+00 (BY ATLANTIC TRAFFIC DESIGN ENGINEERS)	PLAN 2 OF 3
CROSS SECTIONS STA. 11+00 - 18+00 (BY ATLANTIC TRAFFIC DESIGN ENGINEERS)	PLAN 3 OF 3
ALTA/NSPS LAND TITLE SURVEY (BY CONTROL POINT ASSOCIATES, INC.)	1 OF 1
PRELIMINARY & FINAL MAJOR SUBDIVISION PLAN (BY CONTROL POINT ASSOCIATES, INC.)	1 OF 1

PLANNING BOARD APPROVAL BLOCK

APPROVED BY THE PLANNING BOARD _____ DATE _____
FINAL APPROVAL _____ DATE _____
CHAIRMAN _____ DATE _____
SECRETARY _____ DATE _____

OWNER CONSENT

I CONSENT TO THE FILING OF THIS SITE PLAN WITH THE WEST WINDSOR TOWNSHIP PLANNING BOARD.

OWNER _____ DATE _____

G:\0101\110844\CADD\DRAWINGS\PLAN SETS\CIVIL SITE PLANS\110844-COV-6A...LAYOUT: C-101 COVER

GENERAL NOTES (Rev. 2/2021)

- 1. THESE PLANS ARE SOLELY BASED ON INFORMATION THE OWNER AND OTHERS PROVIDED TO BOHLER ENGINEERING, N.L.L.C. (HEREIN "BOHLER") PRIOR TO THE DATE ON WHICH THE ENGINEER OF RECORD OR BOHLER PREPARED THESE PLANS...

DEMOLITION NOTES (Rev. 2/2021)

- 1. THE GENERAL NOTES MUST BE INCLUDED AS PART OF THIS ENTIRE DOCUMENT PACKAGE AND ARE PART OF THE CONTRACT DOCUMENTS. THE GENERAL NOTES ARE REFERENCED HEREIN, AND THE CONTRACTOR MUST REFER TO THEM AND FULLY COMPLY WITH THESE NOTES...

SITE LAYOUT NOTES (Rev. 1/2020)

- 1. THE GENERAL NOTES MUST BE INCLUDED AS PART OF THIS ENTIRE DOCUMENT PACKAGE AND ARE PART OF THE CONTRACT DOCUMENTS. THE GENERAL NOTES ARE REFERENCED HEREIN, AND THE CONTRACTOR MUST REFER TO THEM AND FULLY COMPLY WITH THESE NOTES...

DRAINAGE AND UTILITY NOTES (Rev. 2/2021)

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ACCESSIBILITY DESIGN GUIDELINES (Rev. 1/2020)

- 1. ALL ACCESSIBLE (A.K.A. ADA) COMPONENTS AND ACCESSIBLE ROUTES MUST BE CONSTRUCTED TO MEET, AT A MINIMUM, THE MOST STRINGENT OF (A) THE REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT (ADA) CODE OF FEDERAL REGULATIONS...

ACCESSIBILITY DESIGN GUIDELINES (Rev. 1/2020)

- 1. ALL ACCESSIBLE (A.K.A. ADA) COMPONENTS AND ACCESSIBLE ROUTES MUST BE CONSTRUCTED TO MEET, AT A MINIMUM, THE MOST STRINGENT OF (A) THE REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT (ADA) CODE OF FEDERAL REGULATIONS...

LIGHTING NOTES (Rev. 1/2020)

- 1. THE GENERAL NOTES MUST BE INCLUDED AS PART OF THIS ENTIRE DOCUMENT PACKAGE AND ARE PART OF THE CONTRACT DOCUMENTS. THE GENERAL NOTES ARE REFERENCED HEREIN, AND THE CONTRACTOR MUST REFER TO THEM AND FULLY COMPLY WITH THESE NOTES...

REFERENCES

- 1. ALTNANP'S LAND TITLE SURVEY: 30 INDEPENDENCE BLVD., SUITE 100 WARREN, NJ 07099

REVISIONS

Table with columns: REV, DATE, COMMENT, DRAWN BY. Contains a list of revisions for the document.

THE ABOVE REFERENCED DOCUMENTS ARE INCORPORATED BY REFERENCE AS PART OF THESE PLANS... CALL BEFORE YOU DIG... NEW JERSEY YOU MUST CALL 811 BEFORE ANY EXCAVATION...

ISSUED FOR MUNICIPAL & AGENCY REVIEW & APPROVAL

PROJECT: PRELIMINARY & FINAL MAJOR SITE PLAN & PRELIMINARY & FINAL MAJOR SUBDIVISION PLAN FOR ER/UDC WEST WINDSOR LLC

PROPOSED QUICKHECK FOOD STORE WITH FUEL SALES AND RESTAURANT WITH DRIVE-THRU

MAP: 23.03 | BLK: 47 | LOTS: 2-6 332-340 HIGHTOWN ROAD AND 125 SOUTHWIND ROAD TOWNSHIP OF WEST WINDSOR MERCER COUNTY, NEW JERSEY

BOHLER logo with address: 30 INDEPENDENCE BLVD., SUITE 200 WARREN, NJ 07099

Professional Engineer information: T. LAM, NEW JERSEY LICENSE NO. 47862-1

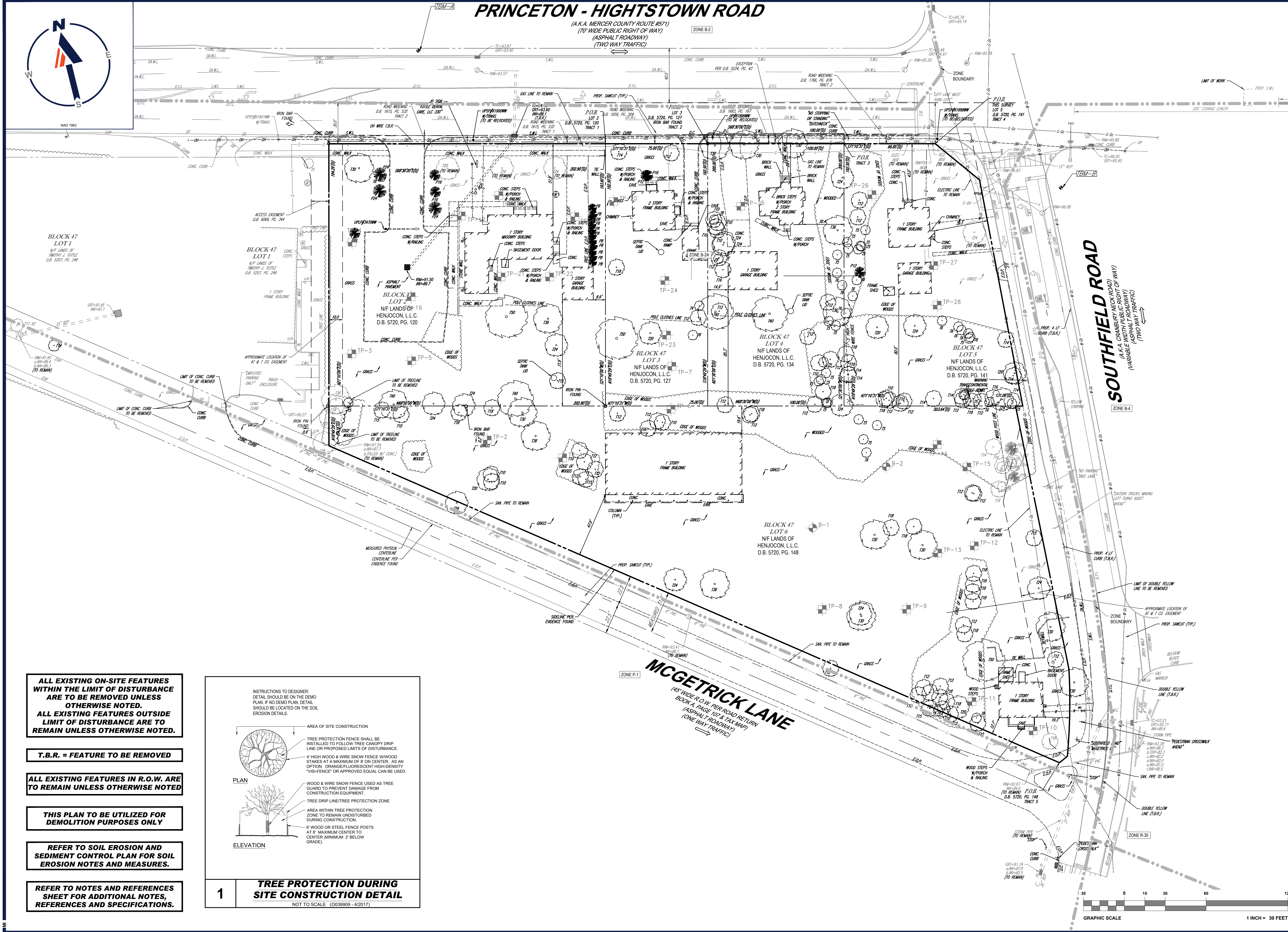
REFERENCES: ALTNANP'S LAND TITLE SURVEY, PRELIMINARY & FINAL MAJOR SUBDIVISION PLAN, ARCHITECTURAL PLAN, STORMWATER INVESTIGATION, SUPPLEMENTAL STORMWATER INVESTIGATION

NOTES AND REFERENCES SHEET C-102

PRINCETON - HIGHTSTOWN ROAD

(A.K.A. MERCER COUNTY ROUTE #571)
(70' WIDE PUBLIC RIGHT OF WAY)
(ASPHALT ROADWAY)
(TWO WAY TRAFFIC)

ZONE B-2



ALL EXISTING ON-SITE FEATURES WITHIN THE LIMIT OF DISTURBANCE ARE TO BE REMOVED UNLESS OTHERWISE NOTED.
ALL EXISTING FEATURES OUTSIDE LIMIT OF DISTURBANCE ARE TO REMAIN UNLESS OTHERWISE NOTED.

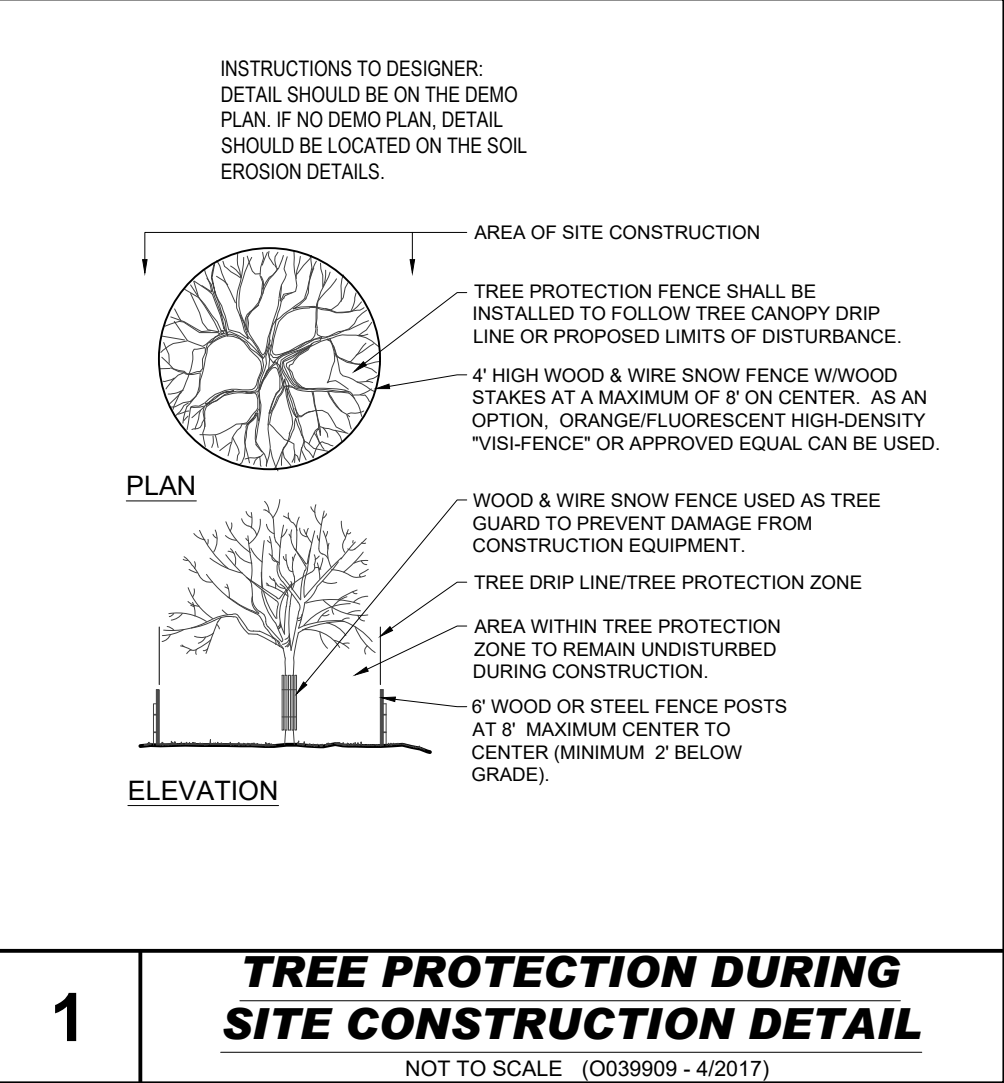
T.B.R. = FEATURE TO BE REMOVED

ALL EXISTING FEATURES IN R.O.W. ARE TO REMAIN UNLESS OTHERWISE NOTED

THIS PLAN TO BE UTILIZED FOR DEMOLITION PURPOSES ONLY

REFER TO SOIL EROSION AND SEDIMENT CONTROL PLAN FOR SOIL EROSION NOTES AND MEASURES.

REFER TO NOTES AND REFERENCES SHEET FOR ADDITIONAL NOTES, REFERENCES AND SPECIFICATIONS.



1 TREE PROTECTION DURING SITE CONSTRUCTION DETAIL
NOT TO SCALE (0039909 - 4/2017)

BOHLER
SITE CIVIL AND CONSULTING ENGINEERING
PROGRAM MANAGEMENT
LANDSCAPE ARCHITECTURE
SUSTAINABLE DESIGN
PERMITTING SERVICES
TRANSPORTATION SERVICES

REVISIONS

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1	03/09/2022	REV. PER DRCC COMMENTS	CPR	TXL
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6	11/07/2023	REV. PER TOWNSHIP COMMENTS	MAI	TXL

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CAD ID: J190844-SITE-6A

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PRELIMINARY & FINAL MAJOR SITE PLAN & PRELIMINARY & FINAL MAJOR SUBDIVISION PLAN
FOR
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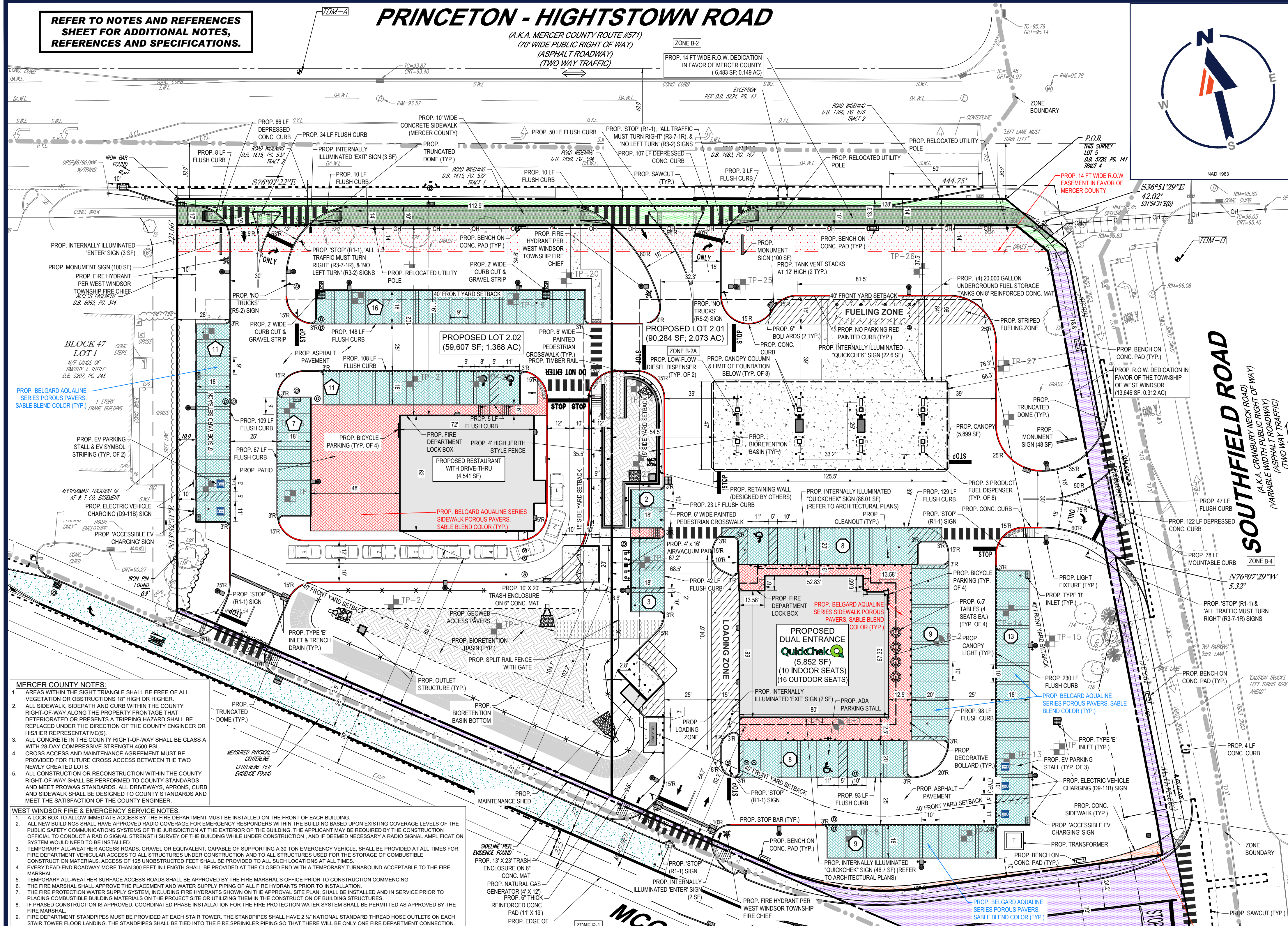
SHEET TITLE:
DEMOLITION PLAN
SHEET NUMBER:
C-201
REVISION 6 - 11/07/2023

G:\0301\190844\CADD\DRAWINGS\PLAN SETS\CIVIL SITE PLANS\190844-SITE-6A-LAYOUT-C-201.DWG

REFER TO NOTES AND REFERENCES SHEET FOR ADDITIONAL NOTES, REFERENCES AND SPECIFICATIONS.

PRINCETON - HIGHTSTOWN ROAD

(A.K.A. MERCER COUNTY ROUTE #571) (70' WIDE PUBLIC RIGHT OF WAY) (ASPHALT ROADWAY) (TWO WAY TRAFFIC)



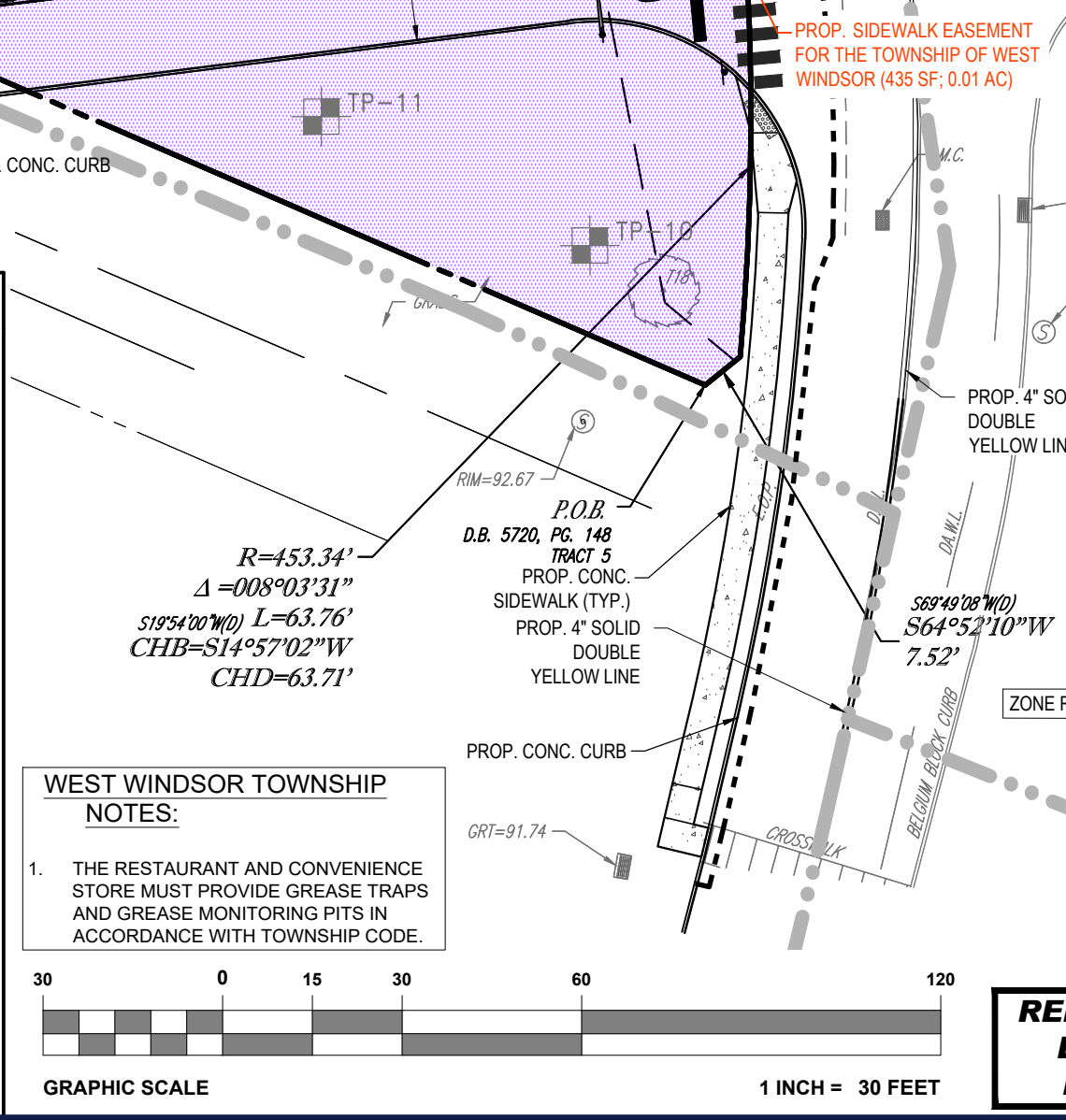
LAND USE NOTES table with columns for APPLICANT, OWNER, PARCEL, ZONED, and BULK REQUIREMENTS (\$200-202.1 and \$200-202.2).

ACCESS, PARKING & LOADING REQUIREMENTS table detailing parking spaces, loading zones, and access requirements for the proposed development.

RESTAURANTS WITH DRIVE-THROUGHS (\$200-202.2) section detailing specific requirements for drive-thru facilities.

SIGNAGE REQUIREMENTS table with columns for SECTION, REQUIREMENTS, and PROPOSED signage details.

SIGNAGE REQUIREMENTS (CONTINUED) table with columns for SECTION, REQUIREMENTS, and PROPOSED signage details.



WEST WINDSOR TOWNSHIP NOTES section providing additional regulatory information.

RESTAURANTS WITH DRIVE-THROUGHS (\$200-202.2) section detailing specific requirements for drive-thru facilities.

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BOHLER logo and contact information for site civil and consulting engineering.

811 logo and 'Know what's below. Call before you dig.' slogan.

ISSUED FOR MUNICIPAL & AGENCY REVIEW & APPROVAL section.

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BOHLER logo and contact information for Warren, NJ.

T. LAM logo and contact information for professional engineering.

SHEET TITLE: SITE LAYOUT PLAN.

SHEET NUMBER: C-301.

REVISION 6 - 11/07/2023.

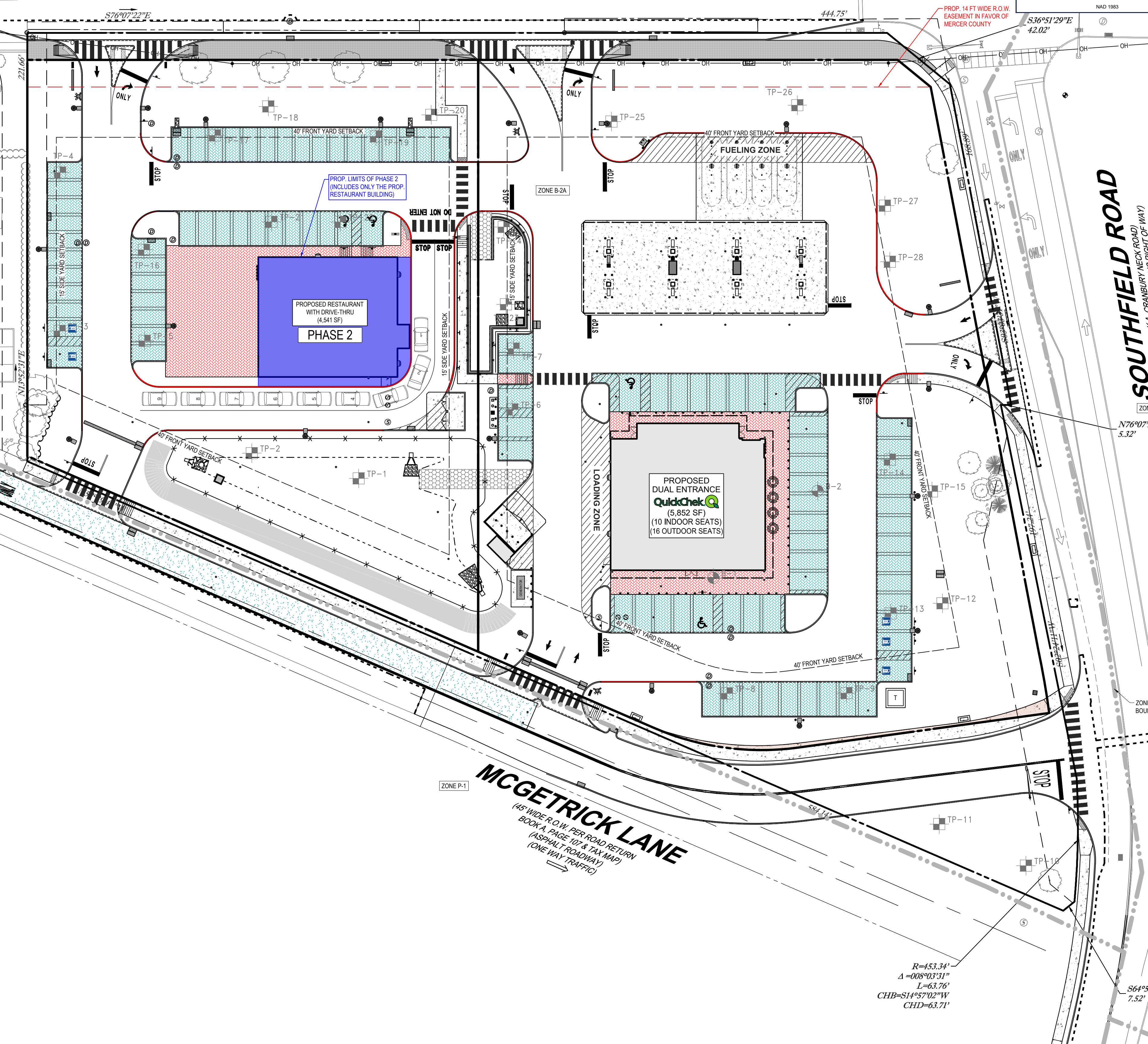
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(ASPHALT ROADWAY)
(TWO WAY TRAFFIC)



SOUTHFIELD ROAD
(A.K.A. CRANFORD NECK ROAD)
(A.K.A. PUBLIC RIGHT OF WAY)
(VARIABLE WIDTH ASPHALT ROADWAY)
(TWO WAY TRAFFIC)

MCGETRICK LANE
(45' WIDE FLOW PER ROAD RETURN
BOOK A, PAGE 107 & TAX MAP)
(ASPHALT ROADWAY)
(ONE WAY TRAFFIC)



$R=453.34'$
 $\Delta=008^{\circ}03'31''$
 $L=63.76'$
 $CHB=S14^{\circ}57'02''W$
 $CHD=63.71'$

$N76^{\circ}07'29''W$
 $5.32'$

$S64^{\circ}52'10''W$
 $7.52'$

BOHLER
SITE CIVIL AND CONSULTING ENGINEERING
PROGRAM MANAGEMENT
LANDSCAPE ARCHITECTURE
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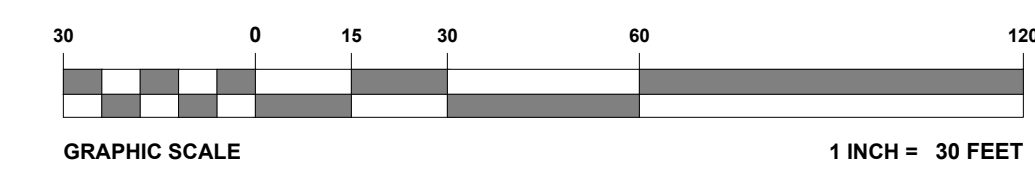
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PHASING PLAN

SHEET NUMBER:
C-302

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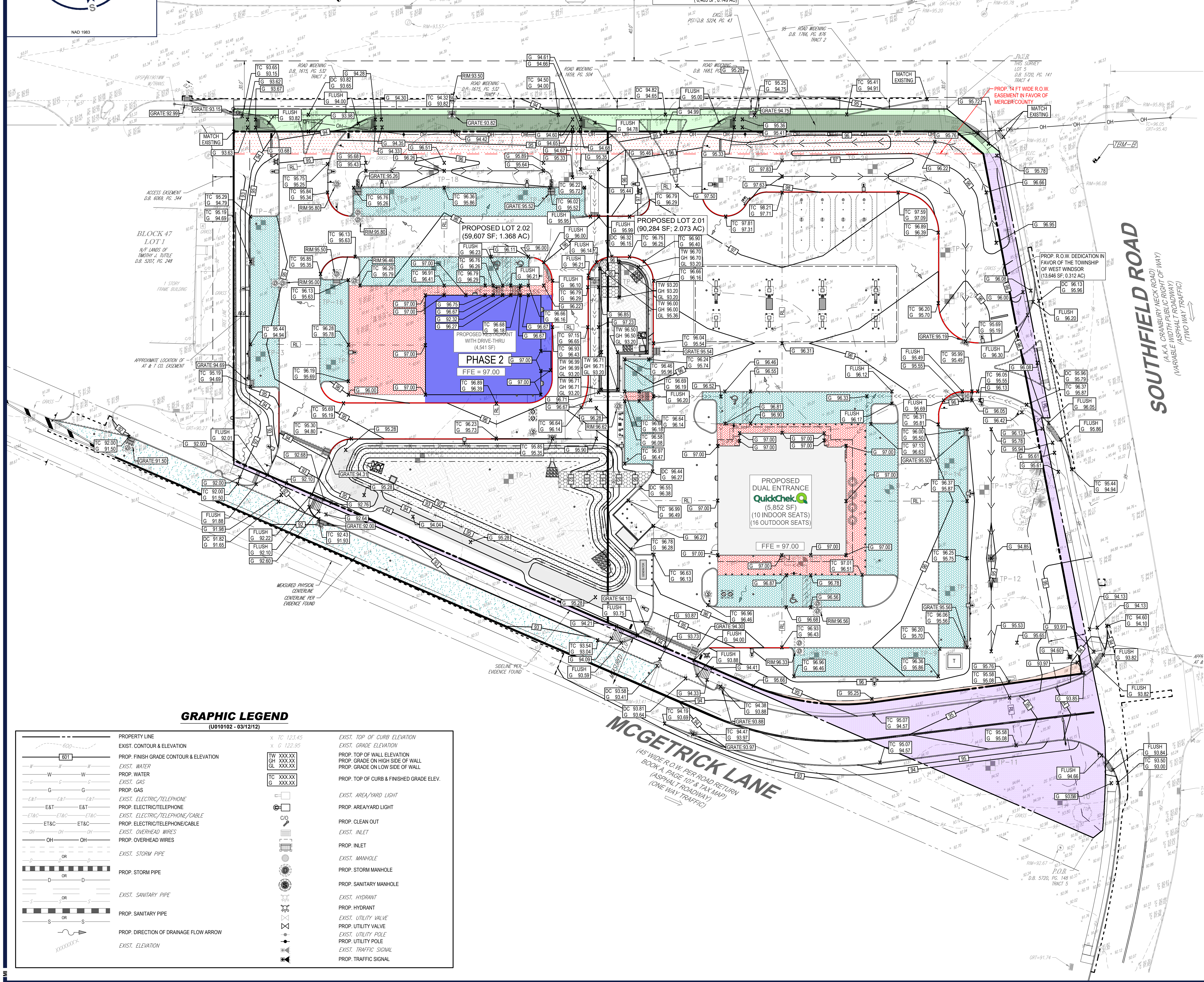


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PRINCETON - HIGHTSTOWN ROAD

(A.K.A. MERCER COUNTY ROUTE #571)
(70' WIDE PUBLIC RIGHT OF WAY)
(ASPHALT ROADWAY)
(TWO WAY TRAFFIC)



GRAPHIC LEGEND

(U010102 - 03/12/12)

	PROPERTY LINE		EXIST. TOP OF CURB ELEVATION
	EXIST. CONTOUR & ELEVATION		EXIST. GRADE ELEVATION
	PROP. FINISH GRADE CONTOUR & ELEVATION		PROP. TOP OF WALL ELEVATION
	EXIST. WATER		PROP. GRADE ON HIGH SIDE OF WALL
	EXIST. GAS		PROP. GRADE ON LOW SIDE OF WALL
	PROP. GAS		PROP. TOP OF CURB & FINISHED GRADE ELEV.
	EXIST. ELECTRIC/TELEPHONE		EXIST. AREA/YARD LIGHT
	PROP. ELECTRIC/TELEPHONE		PROP. AREA/YARD LIGHT
	EXIST. ELECTRIC/TELEPHONE/CABLE		PROP. CLEAN OUT
	PROP. ELECTRIC/TELEPHONE/CABLE		EXIST. INLET
	EXIST. OVERHEAD WIRES		PROP. INLET
	PROP. OVERHEAD WIRES		EXIST. MANHOLE
	EXIST. STORM PIPE		PROP. STORM MANHOLE
	PROP. STORM PIPE		EXIST. SANITARY MANHOLE
	EXIST. SANITARY PIPE		PROP. SANITARY MANHOLE
	PROP. SANITARY PIPE		EXIST. HYDRANT
	PROP. DIRECTION OF DRAINAGE FLOW ARROW		PROP. HYDRANT
	EXIST. ELEVATION		EXIST. UTILITY VALVE
			PROP. UTILITY VALVE
			EXIST. UTILITY POLE
			PROP. UTILITY POLE
			EXIST. TRAFFIC SIGNAL
			PROP. TRAFFIC SIGNAL

STEEP SLOPES NOTE:
1. STEEP SLOPES ARE NOT PRESENT ON THE SITE PER TOWNSHIP DEFINITION OF ANY PERCENT OF SLOPE CALCULATED AS A RISE IN FEET PER HORIZONTAL RUN IN FEET. CALCULATED FOR EACH TWO-FOOT TOPOGRAPHIC CONTOUR INTERVAL, EQUAL OR GREATER THAN 20% AS MEASURED OVER ANY MINIMUM RUN OF 10 FEET.

SEE ADA DETAIL SHEETS FOR ADDITIONAL INFORMATION ON ADA ACCESSIBLE CROSSWALKS, SIDEWALKS, RAMPS AND PATHS OF TRAVEL.

SEE ADDITIONAL DRAINAGE NOTES ON DRAINAGE AND UTILITY PLAN

REFER TO NOTES AND REFERENCES SHEET FOR ADDITIONAL NOTES, REFERENCES AND SPECIFICATIONS.

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PROJECT No.: J190844
DRAWN BY: CPR
DATE: 11/04/2021
CAD ID: J190844-GDUL-6A

PRELIMINARY & FINAL MAJOR SITE PLAN & PRELIMINARY & FINAL MAJOR SUBDIVISION PLAN

FOR
ER/UDC WEST WINDSOR LLC

PROPOSED QUICKCHEK FOOD STORE WITH FUEL SALES AND RESTAURANT WITH DRIVE-THRU
MAP: 23.03 | BLK: 47 | LOTS: 2-6
332-340 HIGHTSTOWN ROAD AND 125 SOUTHFIELD ROAD
TOWNSHIP OF WEST WINDSOR
MERCER COUNTY, NEW JERSEY

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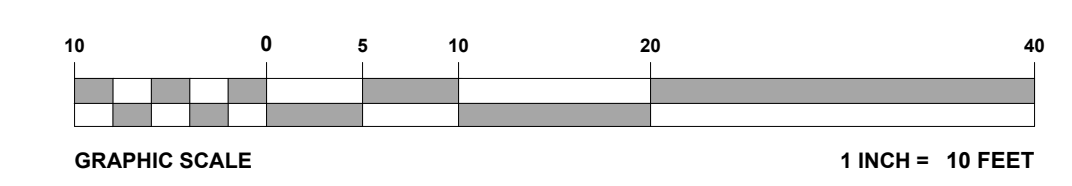
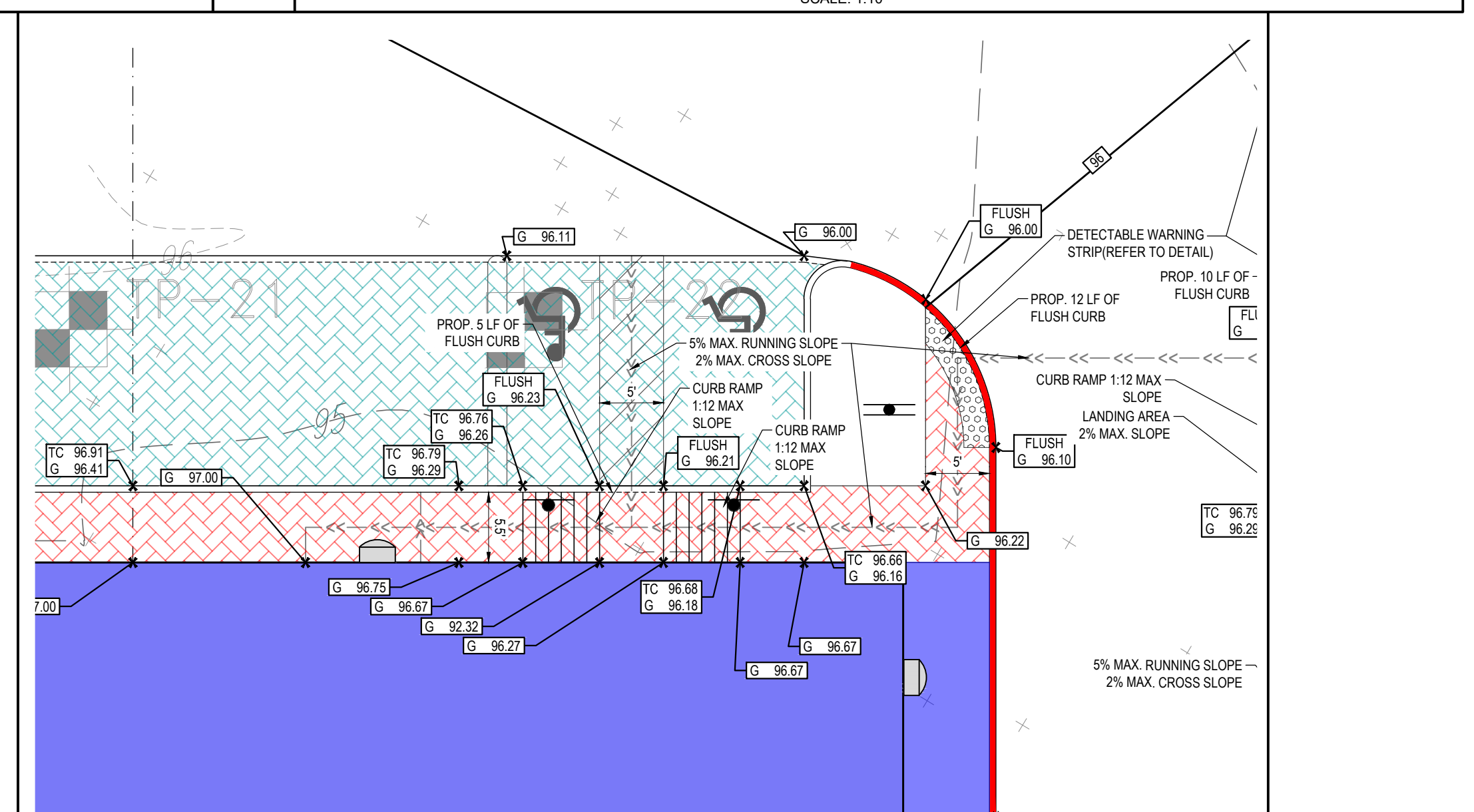
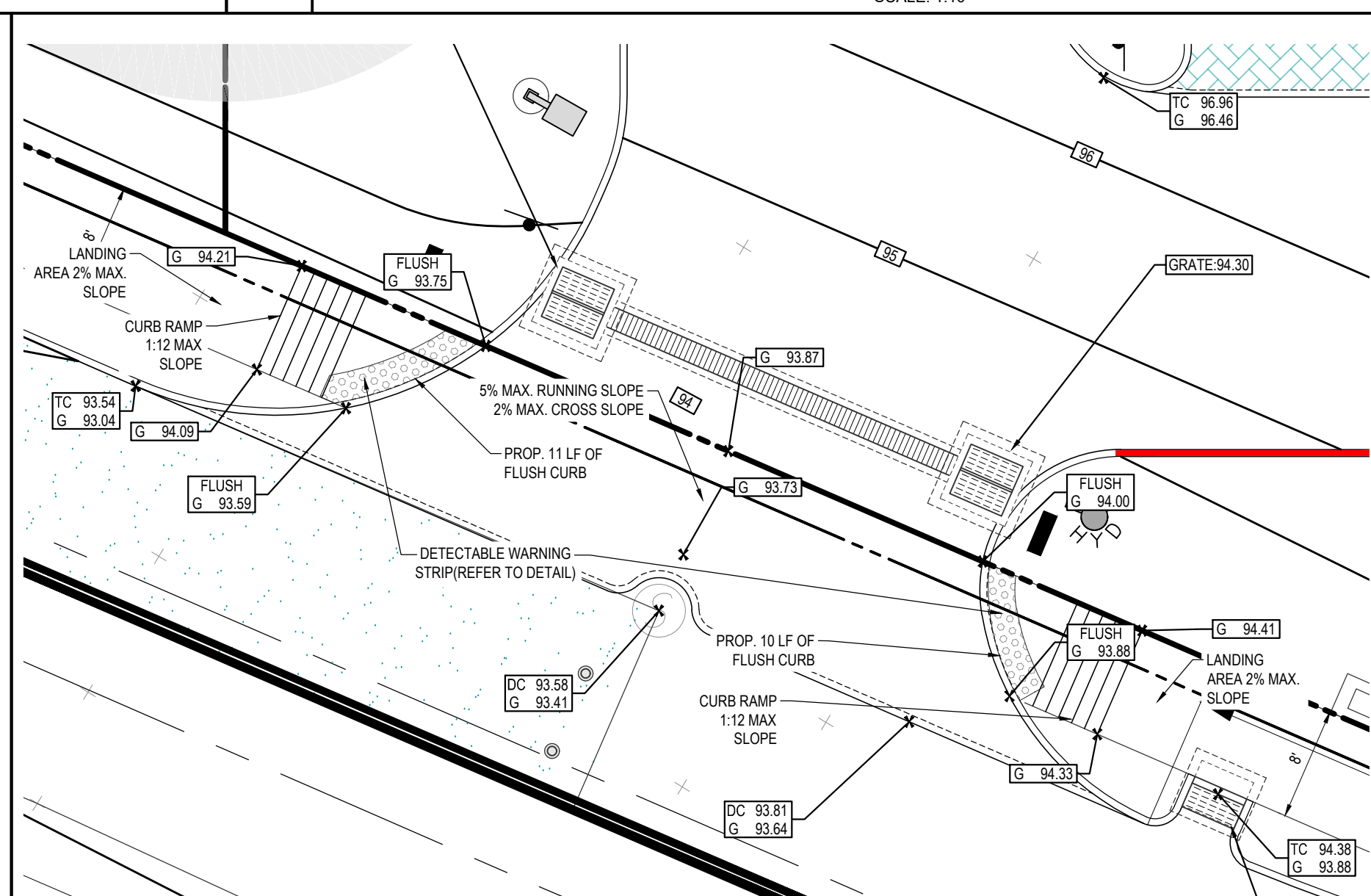
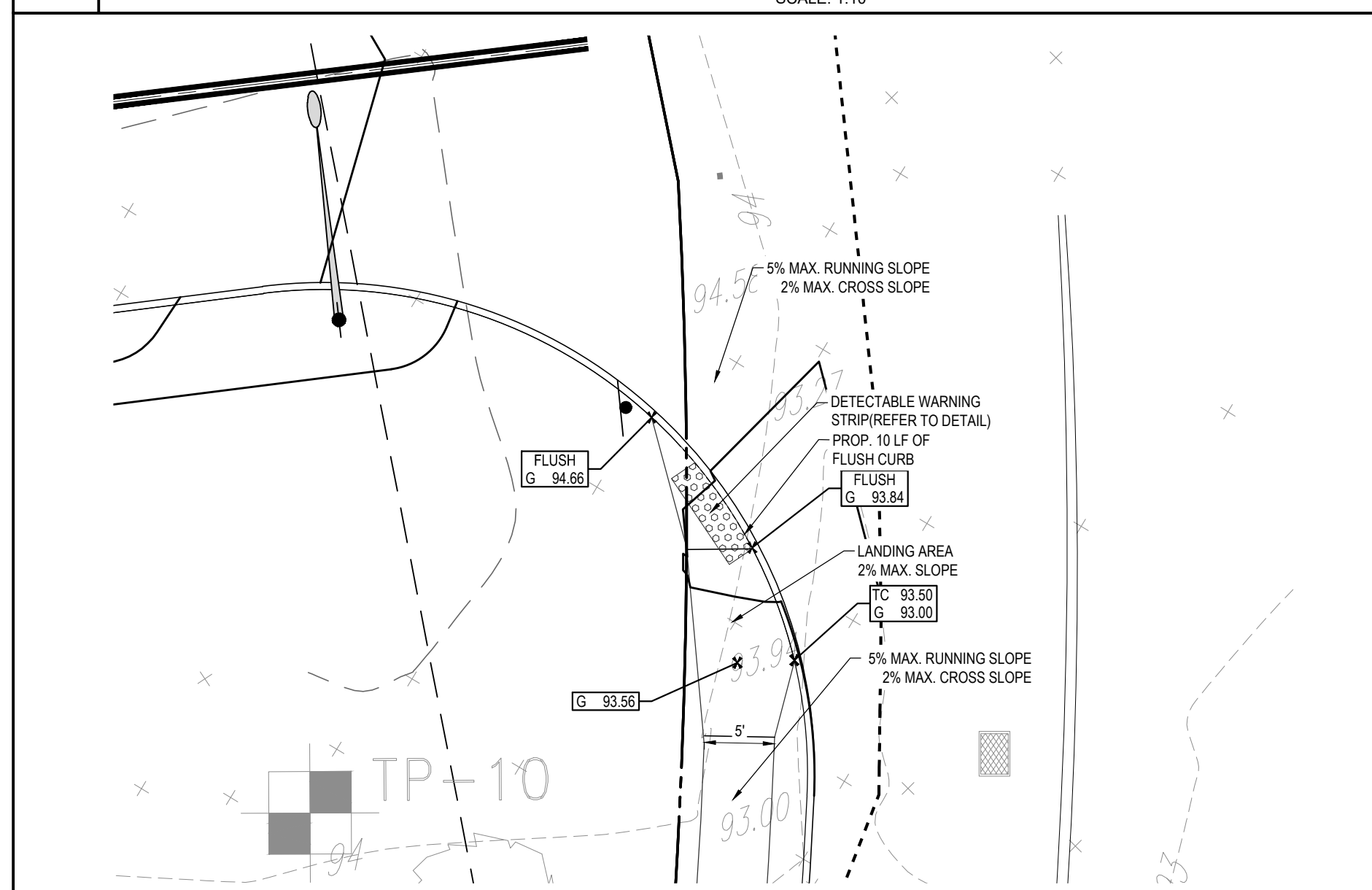
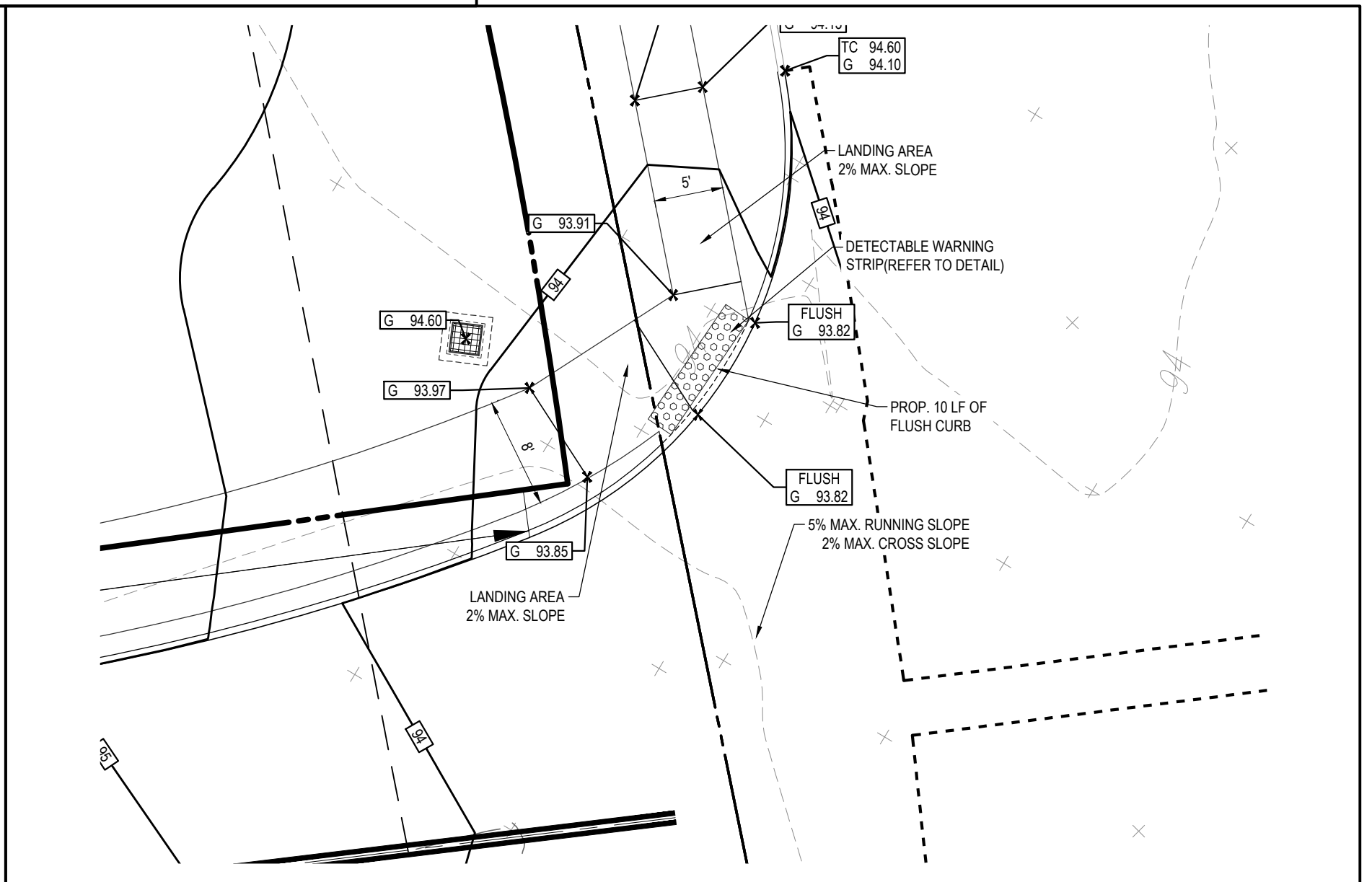
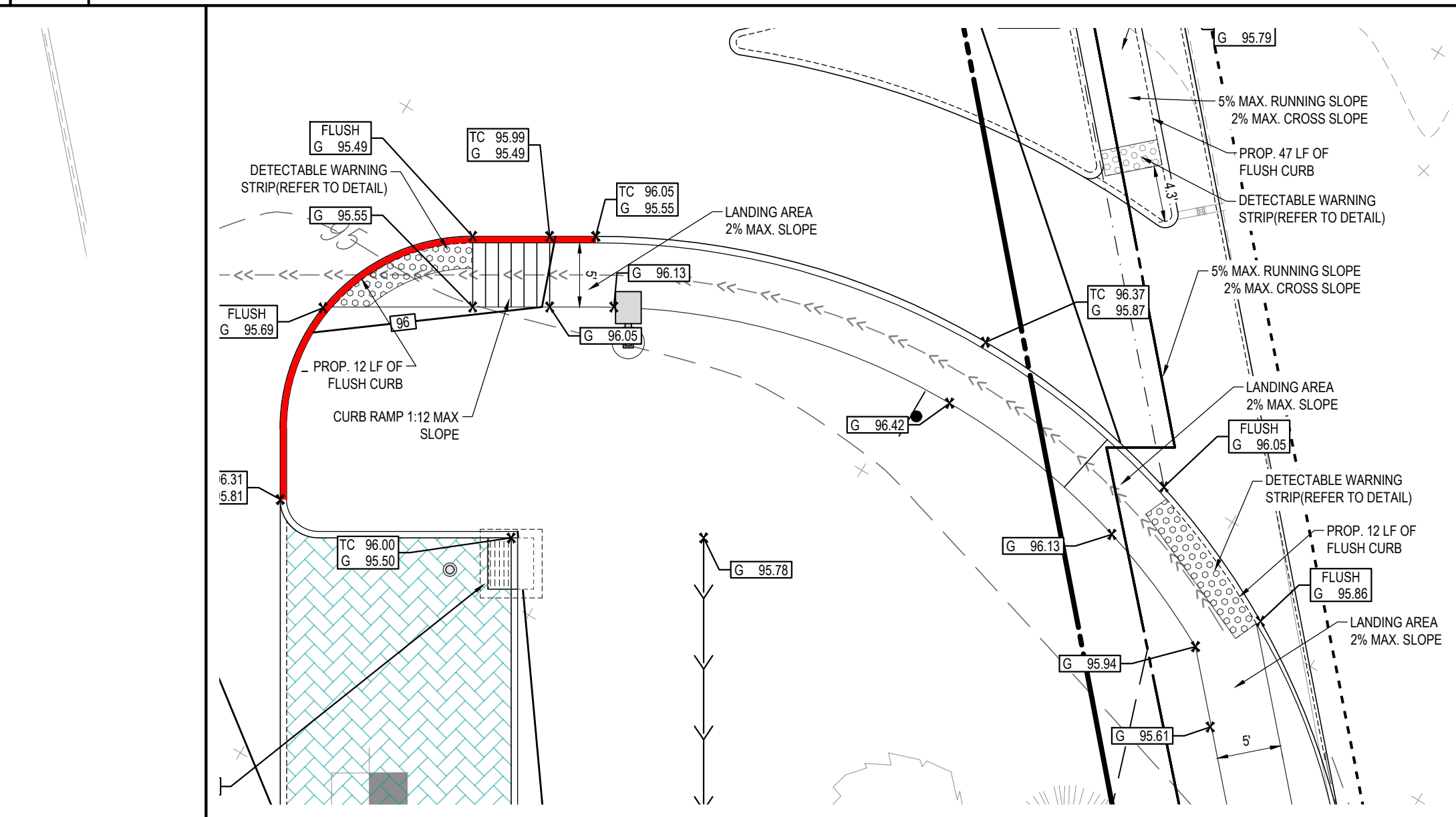
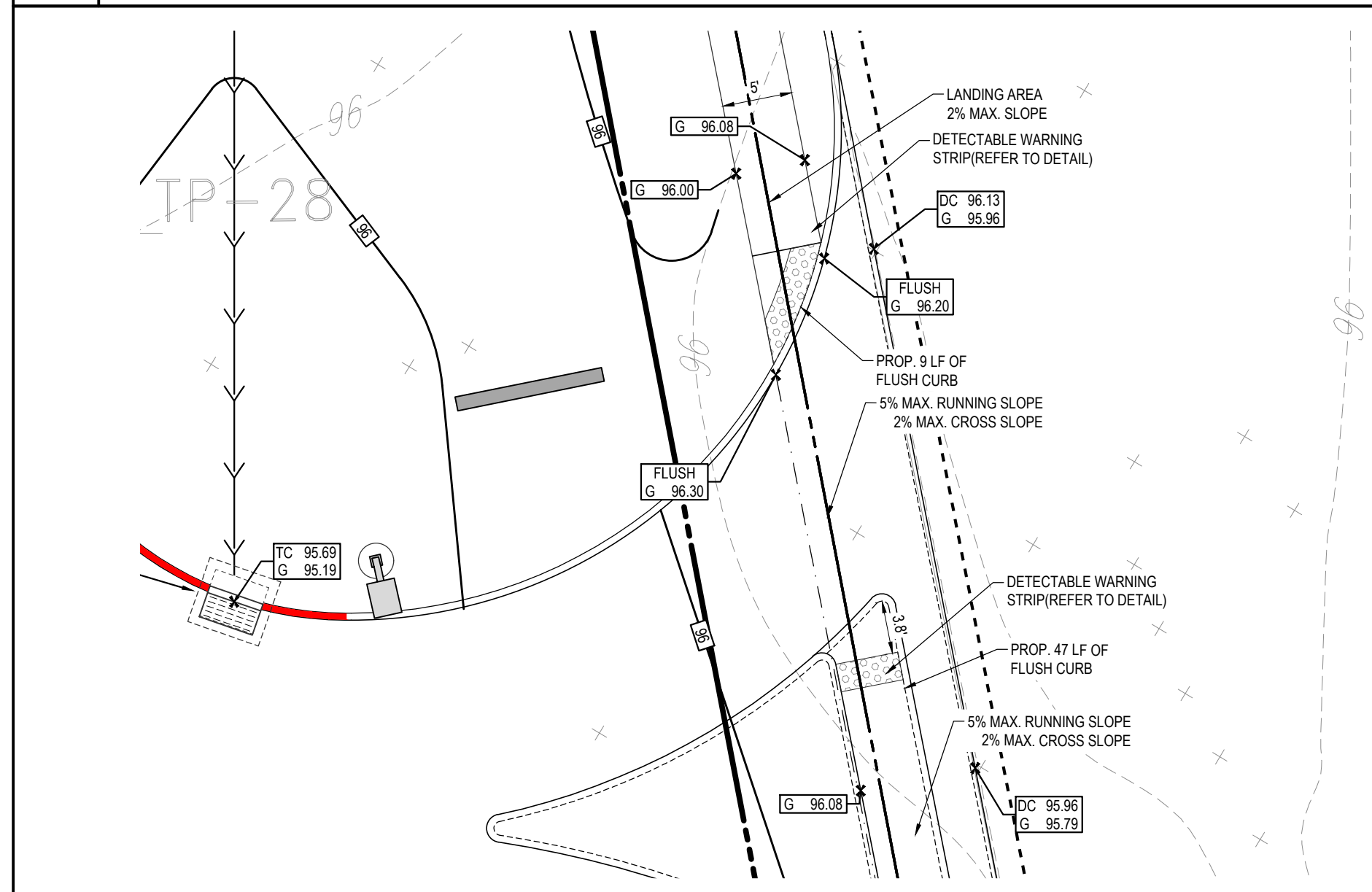
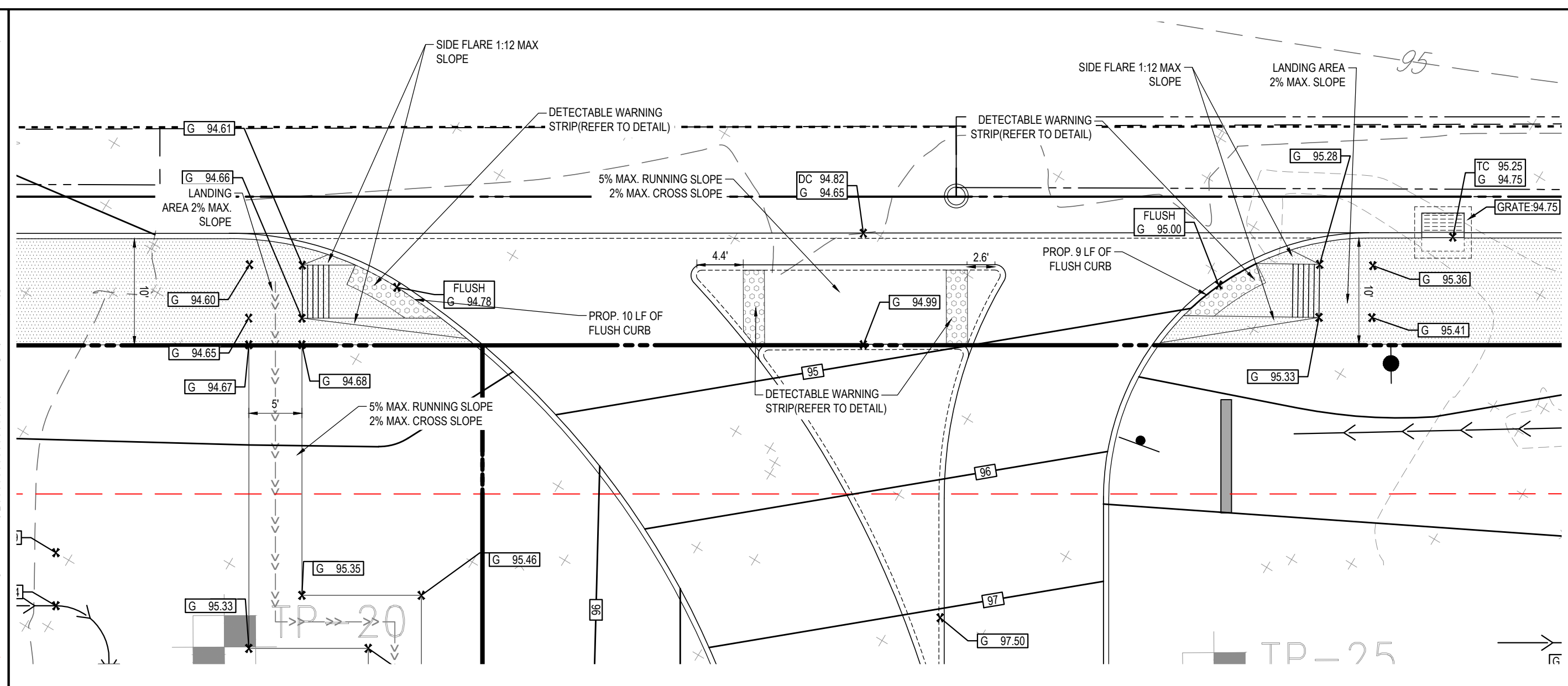
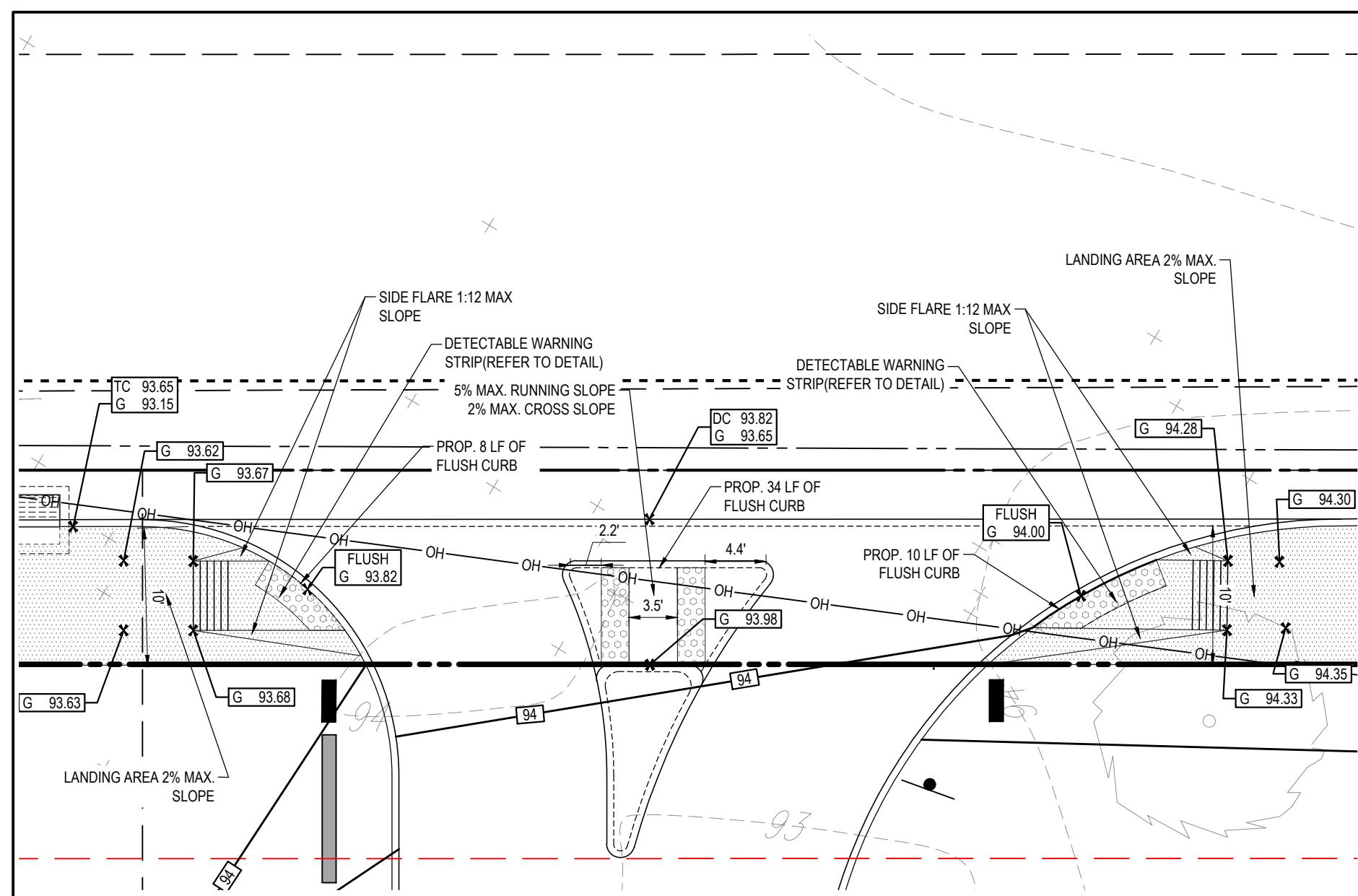
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CONNECTICUT LICENSE No. 30024
PENNSYLVANIA LICENSE No. 76748

SHEET TITLE:

GRADING PLAN

SHEET NUMBER:
C-401

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PRELIMINARY & FINAL MAJOR SITE PLAN & PRELIMINARY & FINAL MAJOR SUBDIVISION PLAN

FOR
ER/UDC WEST WINDSOR LLC
PROPOSED QUICKCHEK FOOD STORE WITH FUEL SALES AND RESTAURANT WITH DRIVE-THRU
MAP: 23.03 | BLK: 47 | LOTS: 2-6
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SHEET NUMBER:
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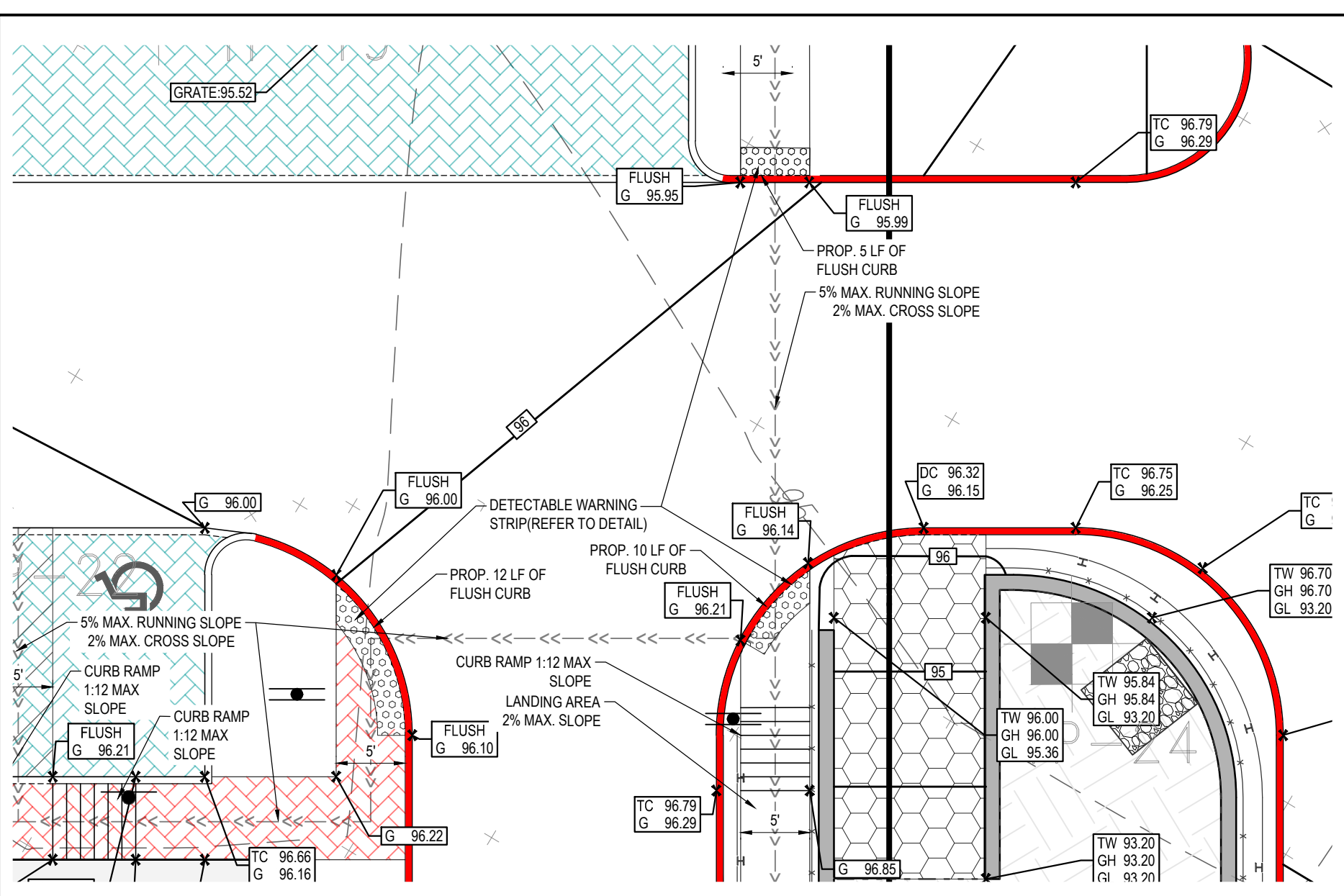
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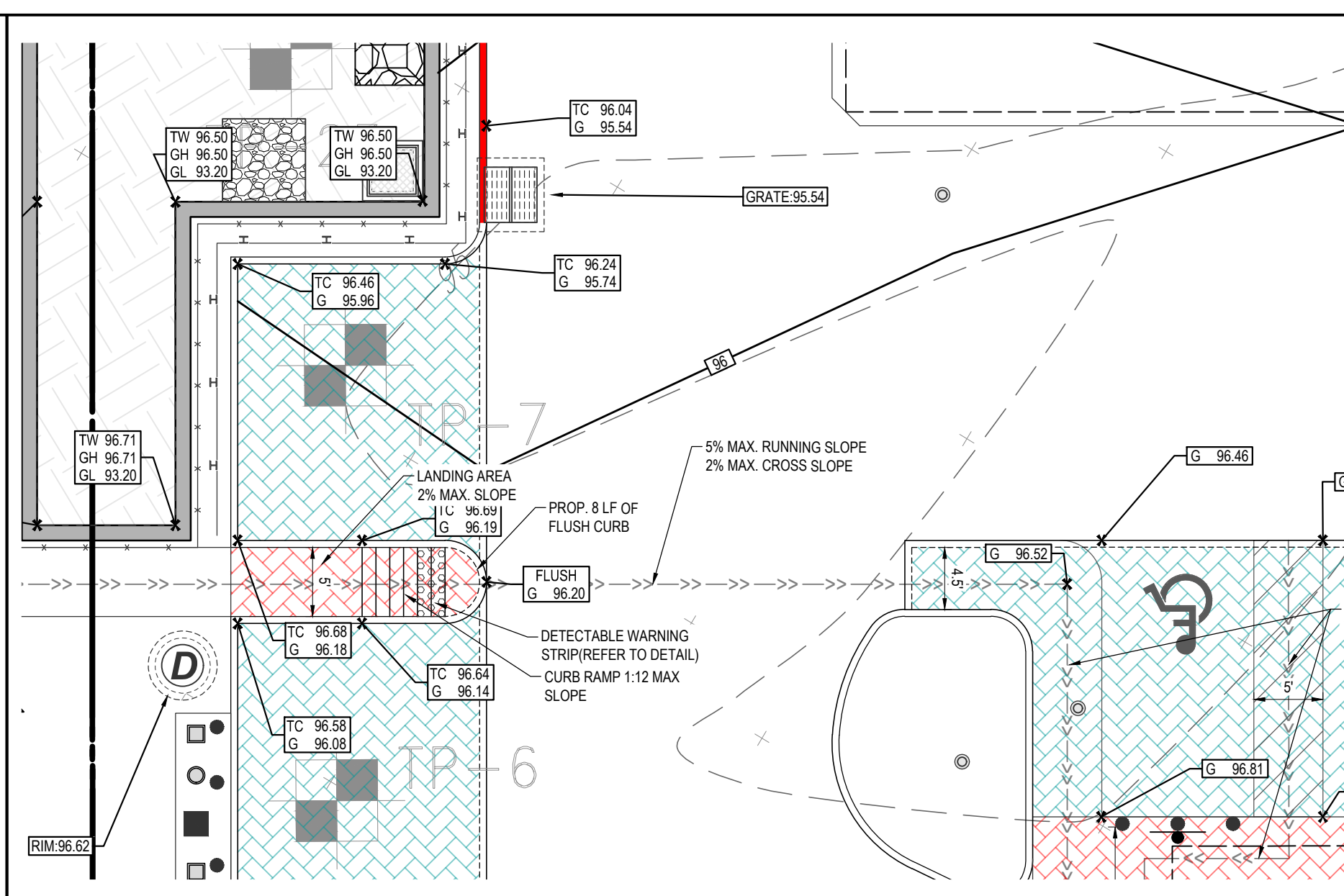
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SHEET NUMBER:
C-403

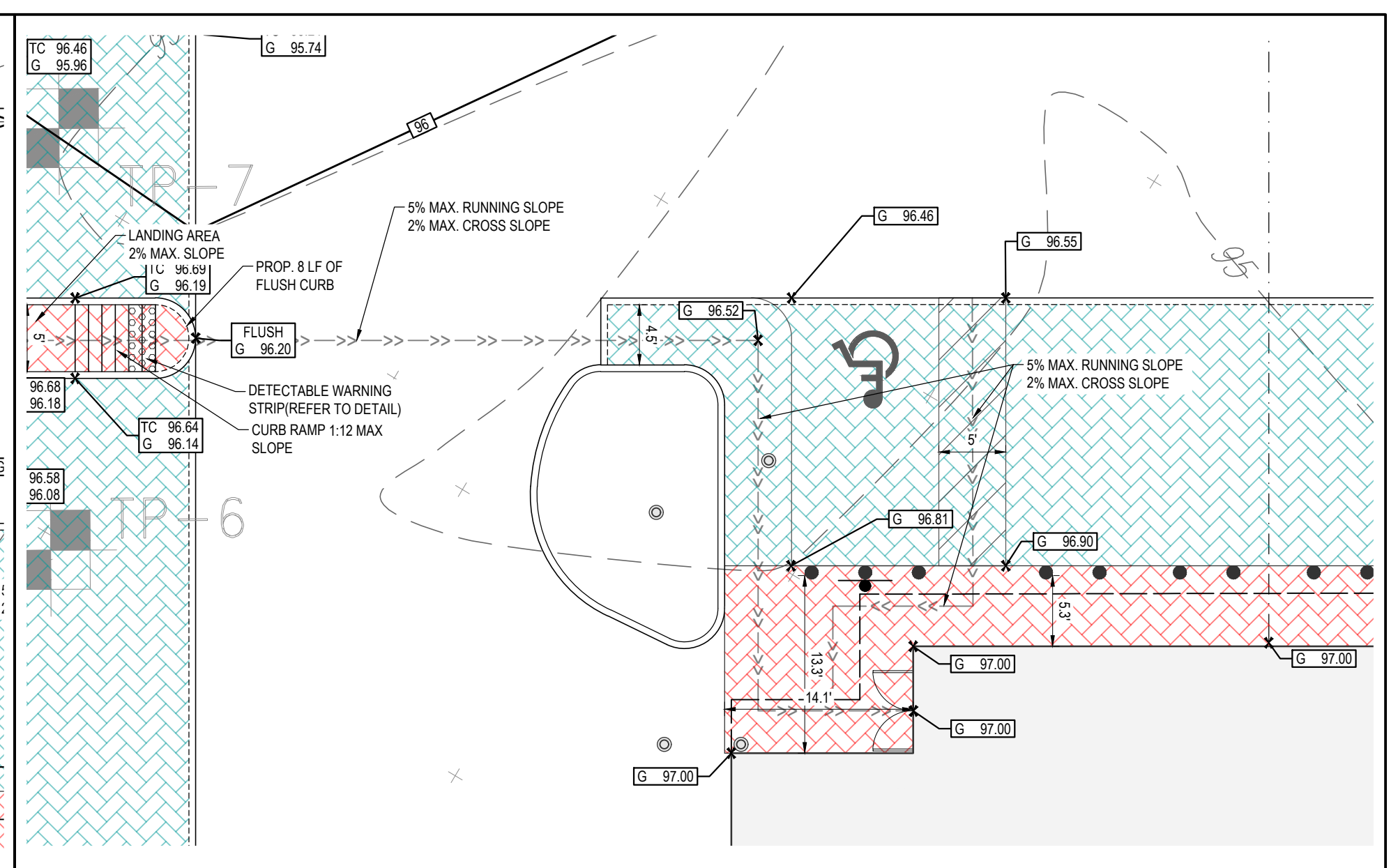
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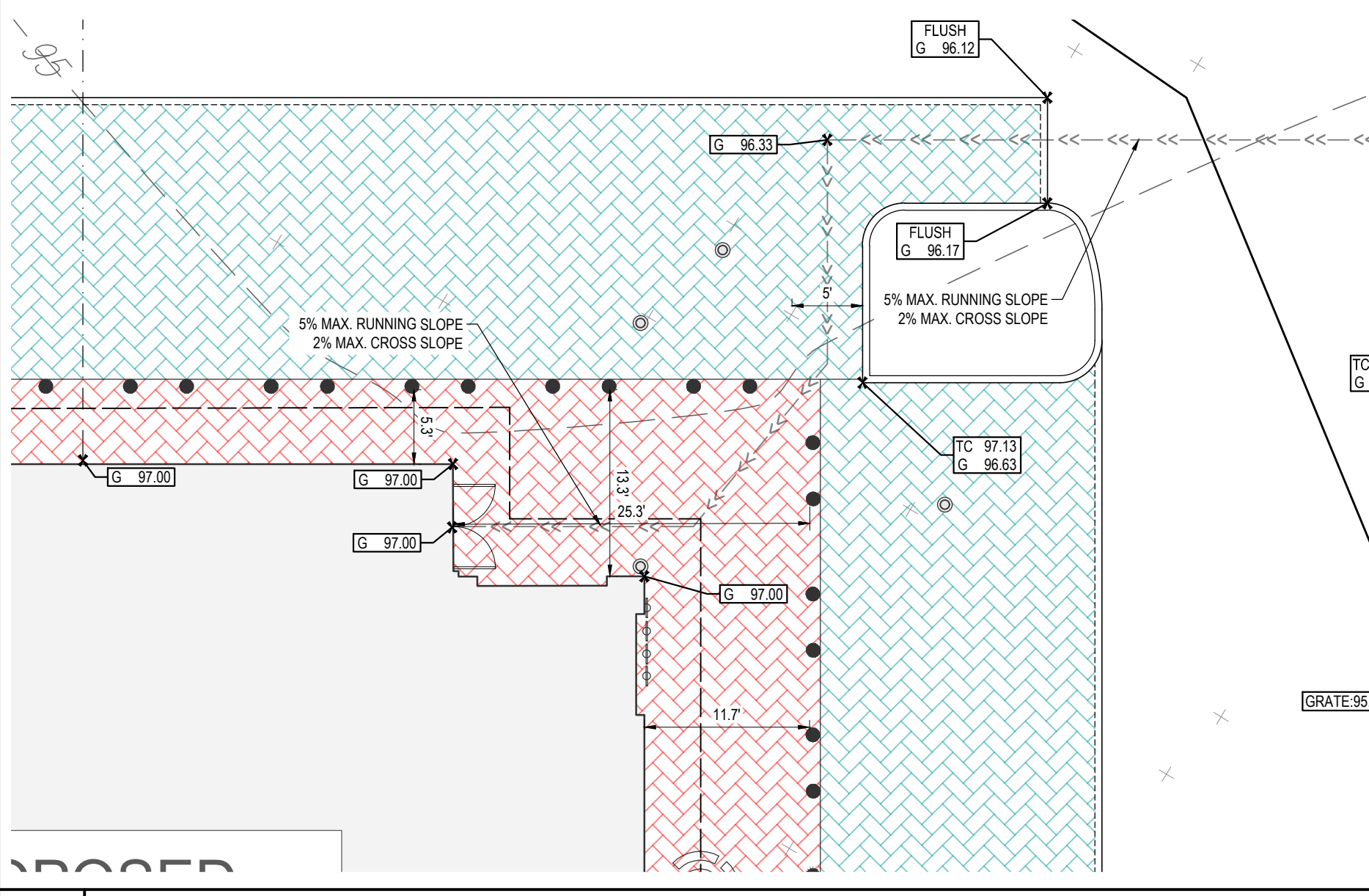
1 RAMP #13 AND ADA WALKWAYS
 SCALE: 1:10



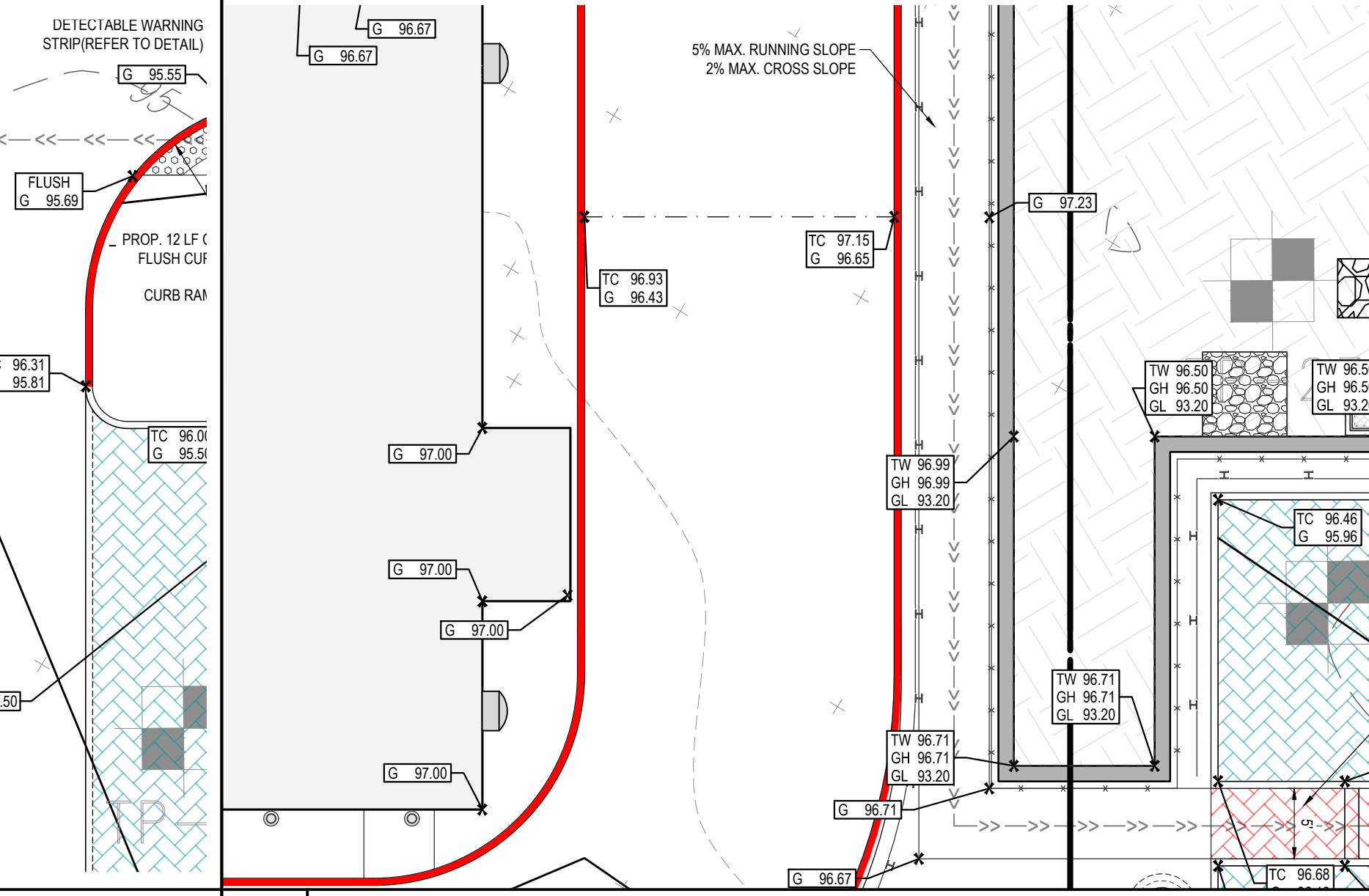
2 RAMP #14
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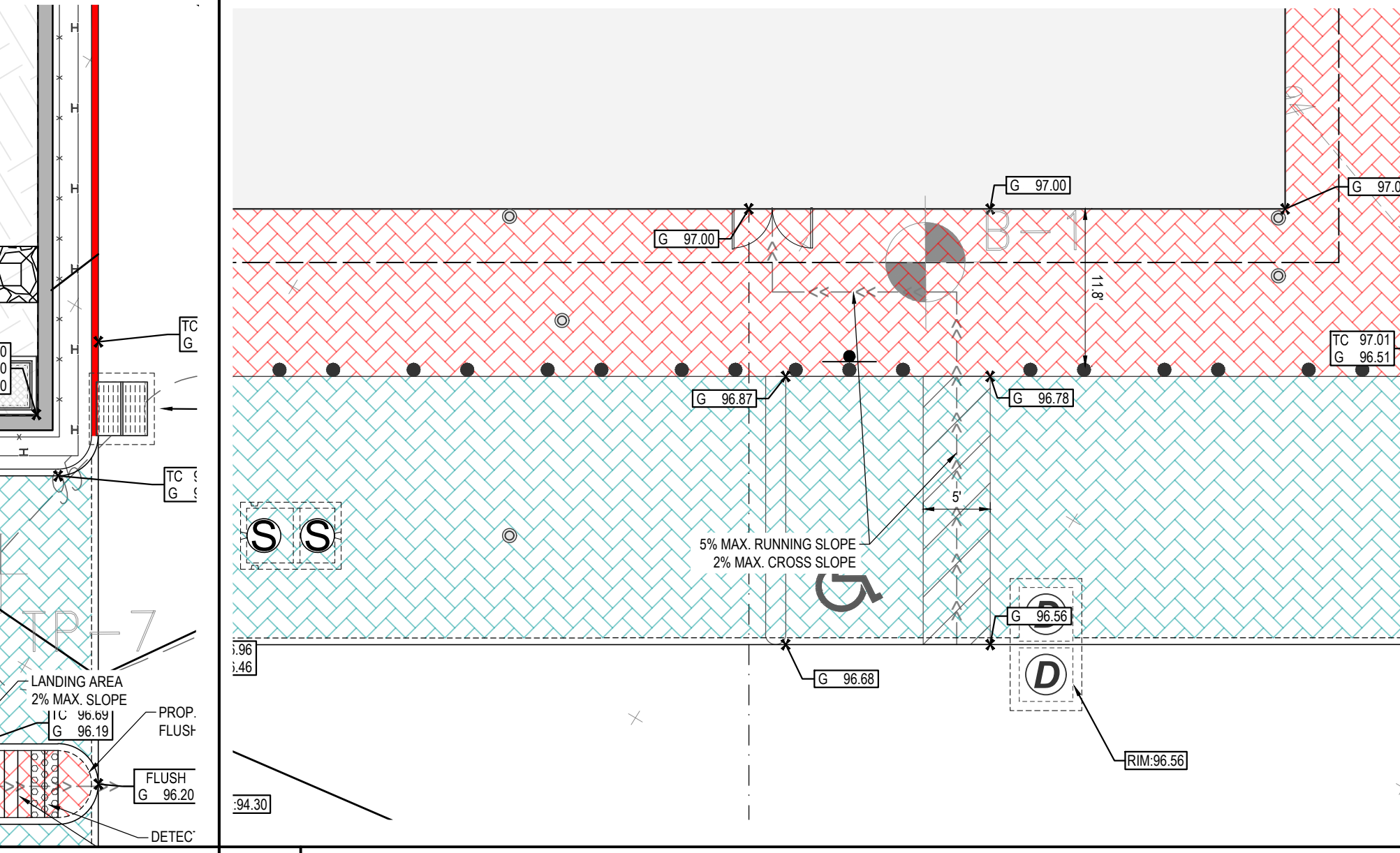
3 ADA PARKING STALL AND WALKWAY
 SCALE: 1:10



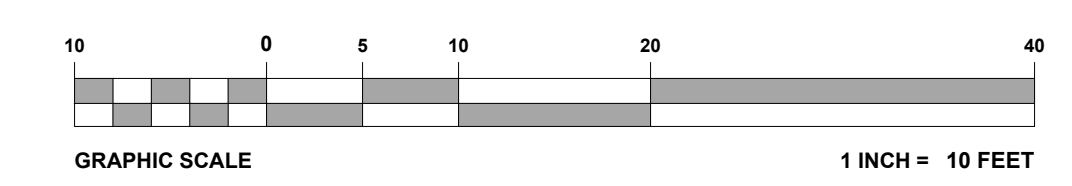
4 ADA WALKWAY
 SCALE: 1:10



5 ADA WALKWAY
 SCALE: 1:10



6 ADA PARKING STALL AND WALKWAY
 SCALE: 1:10

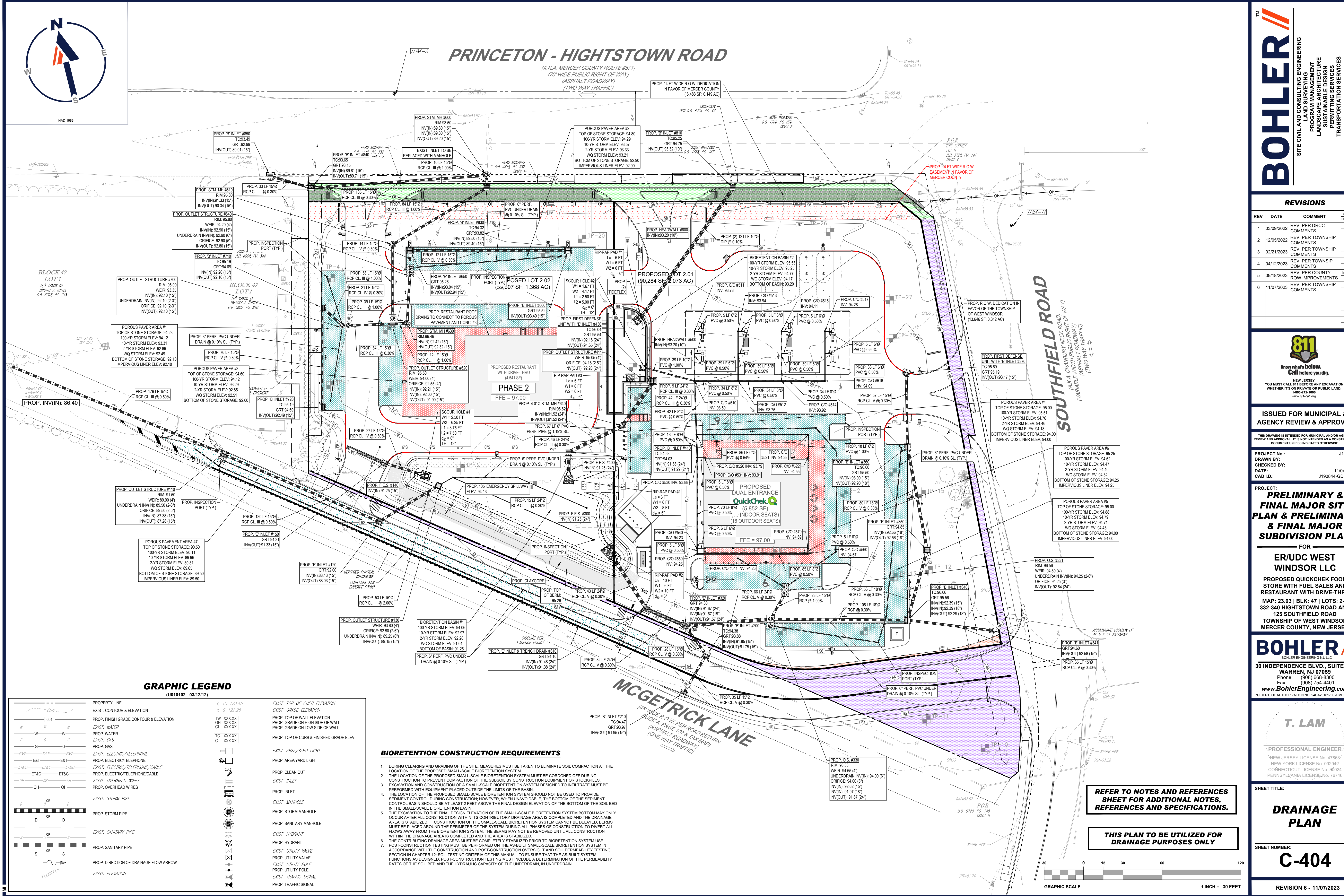


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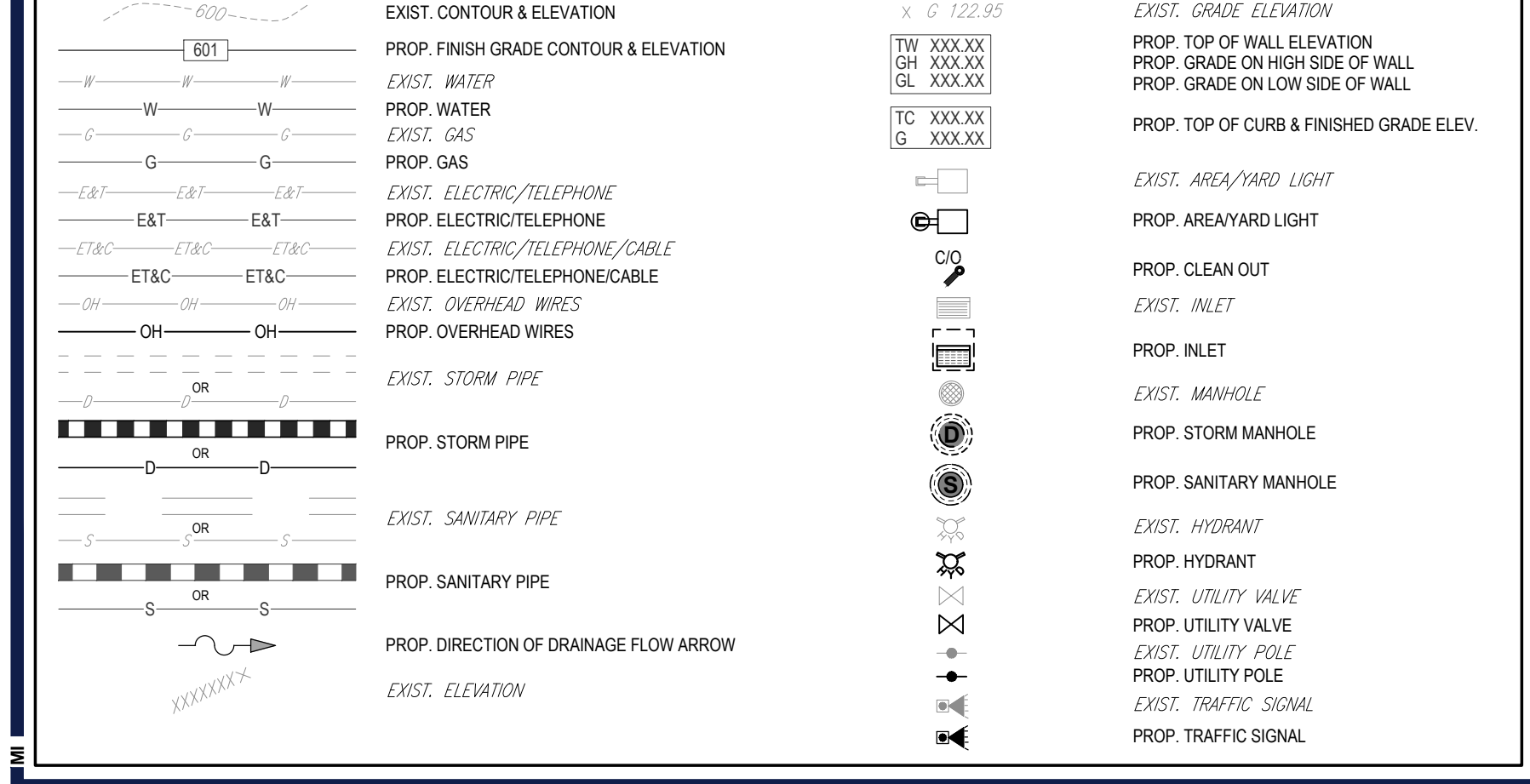
PRINCETON - HIGHTSTOWN ROAD

(A.K.A. MERCER COUNTY ROUTE #571)
(70' WIDE PUBLIC RIGHT OF WAY)
(ASPHALT ROADWAY)
(TWO WAY TRAFFIC)



GRAPHIC LEGEND

(U010102 - 03/12/12)



BIORETENTION CONSTRUCTION REQUIREMENTS

- DURING CLEARING AND GRADING OF THE SITE, MEASURES MUST BE TAKEN TO ELIMINATE SOIL COMPACTION AT THE LOCATION OF THE PROPOSED SMALL-SCALE BIORETENTION SYSTEM.
- THE LOCATION OF THE PROPOSED SMALL-SCALE BIORETENTION SYSTEM MUST BE CORDONED OFF DURING CONSTRUCTION TO PREVENT COMPACTION OF THE SUBSOIL BY CONSTRUCTION EQUIPMENT OR STOCKPILES.
- EXCAVATION AND CONSTRUCTION OF A SMALL-SCALE BIORETENTION SYSTEM DESIGNED TO INFILTRATE MUST BE PERFORMED WITH EQUIPMENT PLACED OUTSIDE THE LIMITS OF THE BASIN.
- THE LOCATION OF THE PROPOSED SMALL-SCALE BIORETENTION SYSTEM SHOULD NOT BE USED TO PROVIDE SEDIMENT CONTROL DURING CONSTRUCTION; HOWEVER, WHEN UNAVOIDABLE, THE BOTTOM OF THE SEDIMENT CONTROL BASIN SHOULD BE AT LEAST 2 FEET ABOVE THE FINAL DESIGN ELEVATION OF THE BOTTOM OF THE SOIL BED IN THE SMALL-SCALE BIORETENTION BASIN.
- THE EXCAVATION TO THE FINAL DESIGN ELEVATION OF THE SMALL-SCALE BIORETENTION SYSTEM BOTTOM MAY ONLY OCCUR AFTER ALL CONSTRUCTION WITHIN ITS CONTRIBUTORY DRAINAGE AREA IS COMPLETED AND THE DRAINAGE AREA IS STABILIZED. IF CONSTRUCTION OF THE SMALL-SCALE BIORETENTION SYSTEM CANNOT BE DELAYED, BERMS MUST BE PLACED AROUND THE PERIMETER OF THE SYSTEM DURING ALL PHASES OF CONSTRUCTION TO DIVERT ALL FLOWS AWAY FROM THE BIORETENTION SYSTEM. THE BERMS MAY NOT BE REMOVED UNTIL ALL CONSTRUCTION WITHIN THE DRAINAGE AREA IS COMPLETED AND THE AREA IS STABILIZED.
- THE CONTRIBUTING DRAINAGE AREA MUST BE COMPLETELY STABILIZED PRIOR TO BIORETENTION SYSTEM USE.
- POST-CONSTRUCTION TESTING MUST BE PERFORMED ON THE AS-BUILT SMALL-SCALE BIORETENTION SYSTEM IN ACCORDANCE WITH THE CONSTRUCTION AND POST-CONSTRUCTION OVERSIGHT AND SOIL PERMEABILITY TESTING SECTION IN CHAPTER 12. SOIL TESTING CRITERIA OF THIS MANUAL, TO ENSURE THAT THE AS-BUILT SYSTEM FUNCTIONS AS DESIGNED. POST-CONSTRUCTION TESTING MUST INCLUDE A DETERMINATION OF THE PERMEABILITY RATES OF THE SOIL BED AND THE HYDRAULIC CAPACITY OF THE UNDERDRAIN, IN UNDERDRAIN.

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ER/UDC WEST WINDSOR LLC
PROPOSED QUICKCHECK FOOD STORE WITH FUEL SALES AND RESTAURANT WITH DRIVE-THRU
MAP: 23.03 | BLK: 47 | LOTS: 2-6
332-340 HIGHTSTOWN ROAD AND 125 SOUTHFIELD ROAD
TOWNSHIP OF WEST WINDSOR
MERCER COUNTY, NEW JERSEY

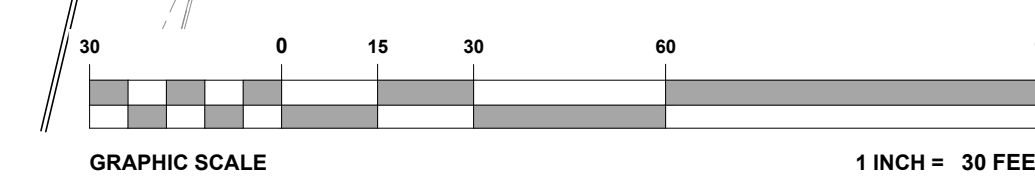
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SHEET NUMBER:
C-404
REVISION 6 - 11/07/2023

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PRINCETON - HIGHTSTOWN ROAD

(A.K.A. MERCER COUNTY ROUTE #571)
(70' WIDE PUBLIC RIGHT OF WAY)
(ASPHALT ROADWAY)
(TWO WAY TRAFFIC)

SOUTHFIELD ROAD

(A.K.A. CHERRY NECK ROAD)
(70' WIDE PUBLIC RIGHT OF WAY)
(ASPHALT ROADWAY)
(TWO WAY TRAFFIC)

MCGETRICK LANE

(65' WIDE R.O.W. PER ROAD RETURN BOOK - PAGE 1074, MAX WAP)
(ONE WAY TRAFFIC)

SANITARY SEWER FLOW ESTIMATE (PER N.J.A.C. 7:14A-23)				
USE	UNITS	FLOW PER UNIT (GPD)	AVERAGE FLOW (GPD)	
RESTAURANT W/ DRIVE-THRU	FAST FOOD RESTAURANT	54 INDOOR SEATS 40 OUTDOOR SEATS 134 TOTAL SEATS	15 GPD	2,010 GPD
QUICKCHECK RESTAURANT	FOOD STORE	5,852 SF	0.1 GPD	585.2 GPD
	AUTOMOBILE SERVICE STATION	8 PUMPS	250 GPD	2,000 GPD
TOTAL				3,885.2 GPD

WATER DEMAND ESTIMATE (PER N.J.A.C. 7:10-12.6)				
USE	UNITS	FLOW PER UNIT (GPD)	AVERAGE FLOW (GPD)	
RESTAURANT W/ DRIVE-THRU	FAST FOOD RESTAURANT	54 INDOOR SEATS 40 OUTDOOR SEATS 134 TOTAL SEATS	30 GPD	4,020 GPD
QUICKCHECK RESTAURANT	FOOD STORE	5,852 SF	0.125 GPD	731.5
	AUTOMOBILE SERVICE STATION	8 PUMPS	250 GPD	2,000 GPD
TOTAL				3,311.5 GPD

DEMAND PROJECTIONS SHALL BE CALCULATED BY MULTIPLYING THE CATERED SEATING CAPACITY OF THE ESTABLISHMENT BY THE APPLICABLE WATER USAGE IN GALLONS PER PERSON UNDER SA, B OR C OF ABOVE, AND BY A FACTOR OF 1.2, OR REFLECTING THE HOURS OF OPERATION, AS FOLLOWS: ONE (1) RESTAURANT W/ DRIVE-THRU (10 GPD * 3) = 30 GPD
 QUICKCHECK (10 GPD * 3) = 30 GPD

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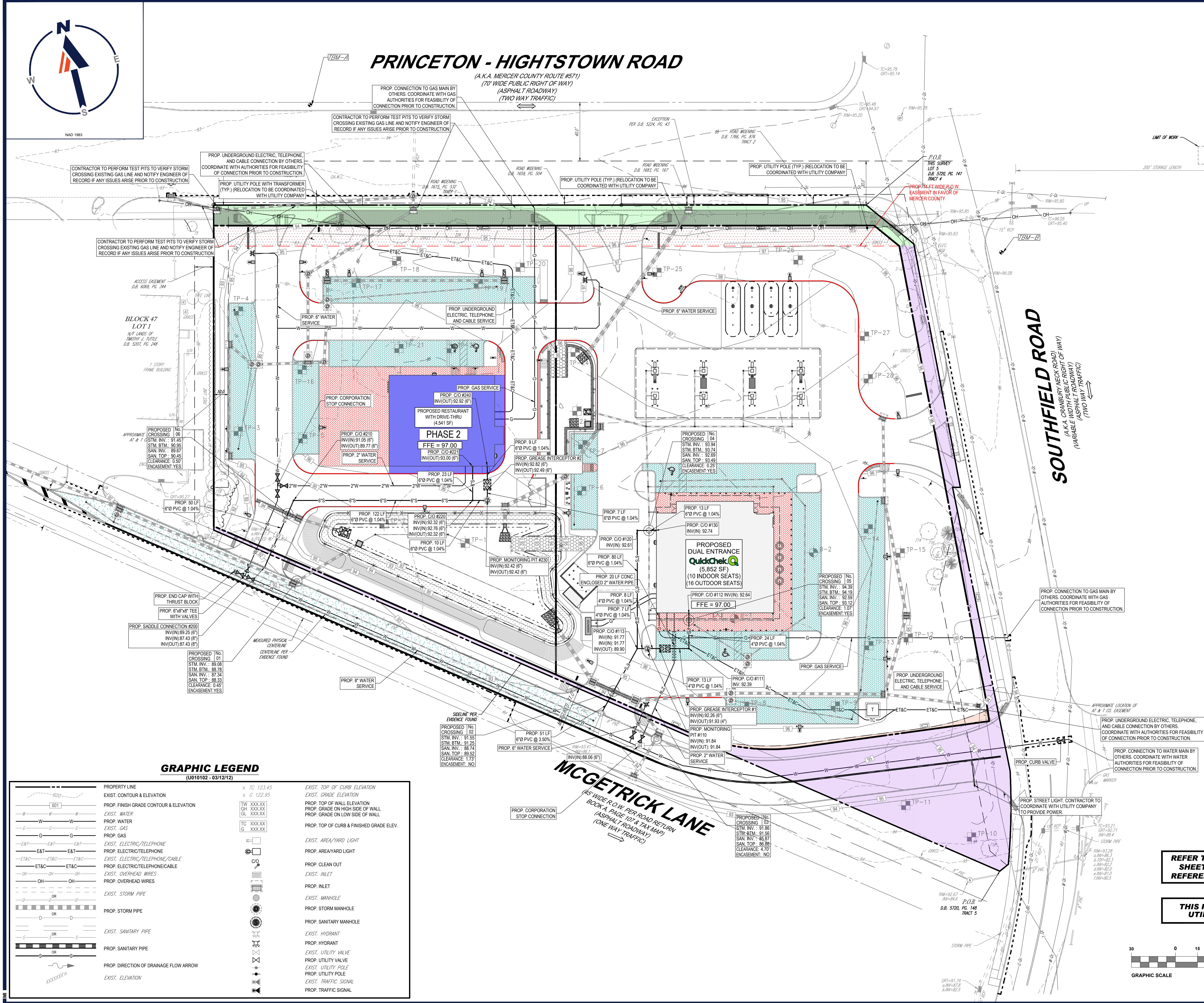
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SHEET TITLE:
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SHEET NUMBER:
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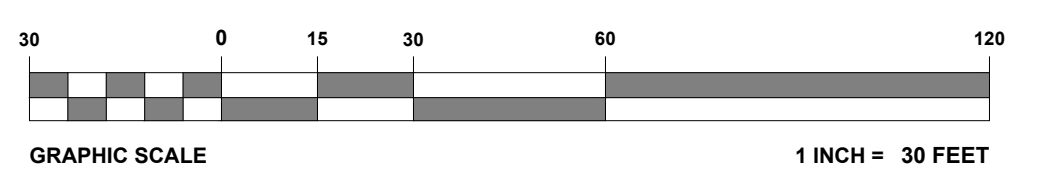


GRAPHIC LEGEND
(U010102 - 03/12/12)

PROPERTY LINE EXIST. CONTOUR & ELEVATION PROP. FINISH GRADE CONTOUR & ELEVATION EXIST. WATER PROP. WATER EXIST. GAS PROP. GAS EXIST. ELECTRIC/TELEPHONE PROP. ELECTRIC/TELEPHONE EXIST. ELECTRIC/TELEPHONE/CABLE PROP. ELECTRIC/TELEPHONE/CABLE EXIST. OVERHEAD WIRES PROP. OVERHEAD WIRES EXIST. STORM PIPE PROP. STORM PIPE EXIST. SANITARY PIPE PROP. SANITARY PIPE PROP. DIRECTION OF DRAINAGE FLOW ARROW EXIST. ELEVATION	<p>x TC 123.45 x G 122.95</p> <p>TW XXXXX GH XXXXX GL XXXXX</p> <p>TC XXXXX G XXXXX</p> <p>EXIST. TOP OF CURB ELEVATION EXIST. GRADE ELEVATION PROP. TOP OF WALL ELEVATION PROP. GRADE ON HIGH SIDE OF WALL PROP. GRADE ON LOW SIDE OF WALL PROP. TOP OF CURB & FINISHED GRADE ELEV.</p> <p>EXIST. AREA/YARD LIGHT PROP. AREA/YARD LIGHT PROP. CLEAN OUT EXIST. INLET PROP. INLET EXIST. MANHOLE PROP. STORM MANHOLE PROP. SANITARY MANHOLE EXIST. HYDRANT PROP. HYDRANT EXIST. UTILITY VALVE PROP. UTILITY VALVE EXIST. UTILITY POLE PROP. UTILITY POLE EXIST. TRAFFIC SIGNAL PROP. TRAFFIC SIGNAL</p>
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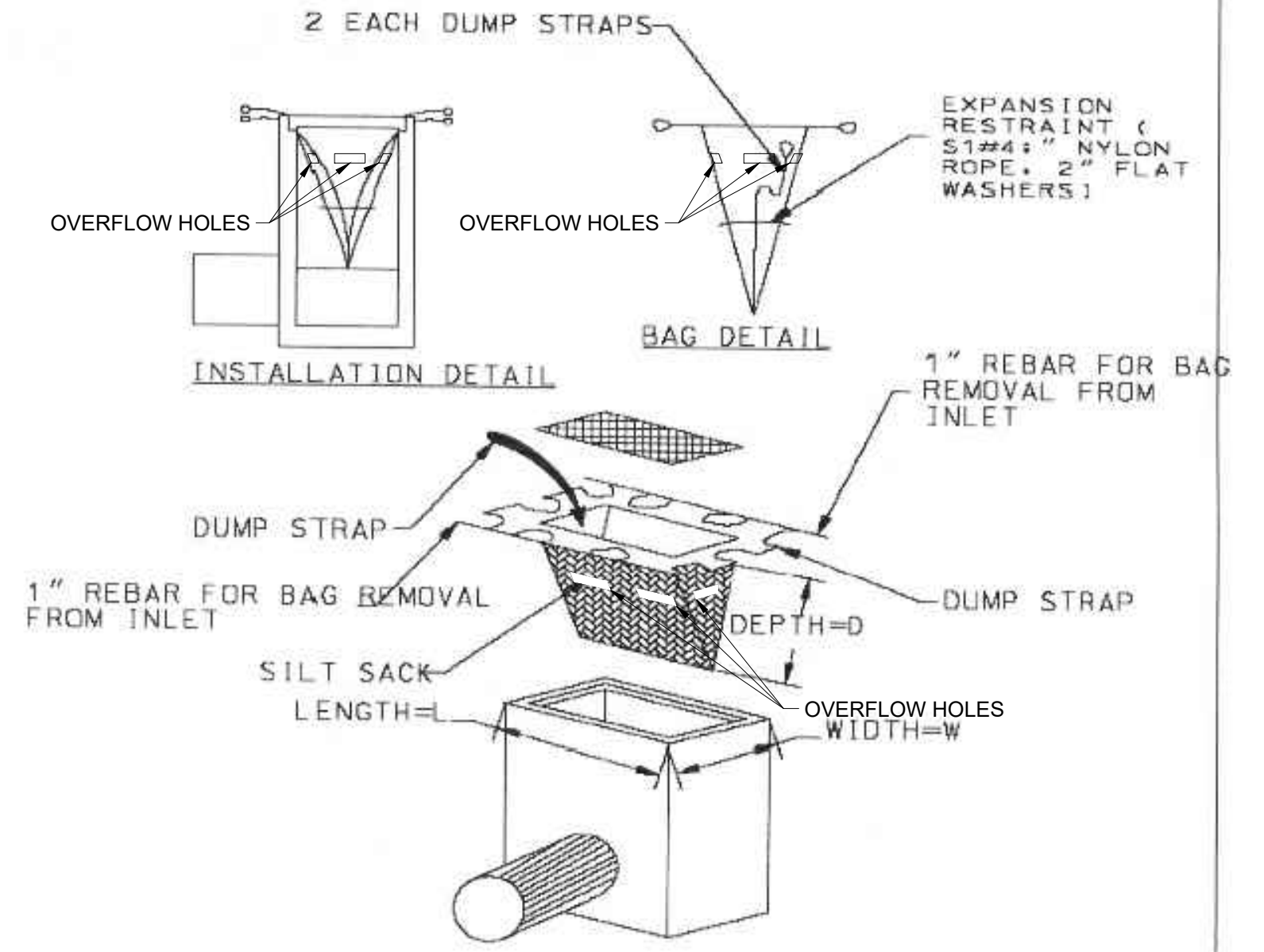
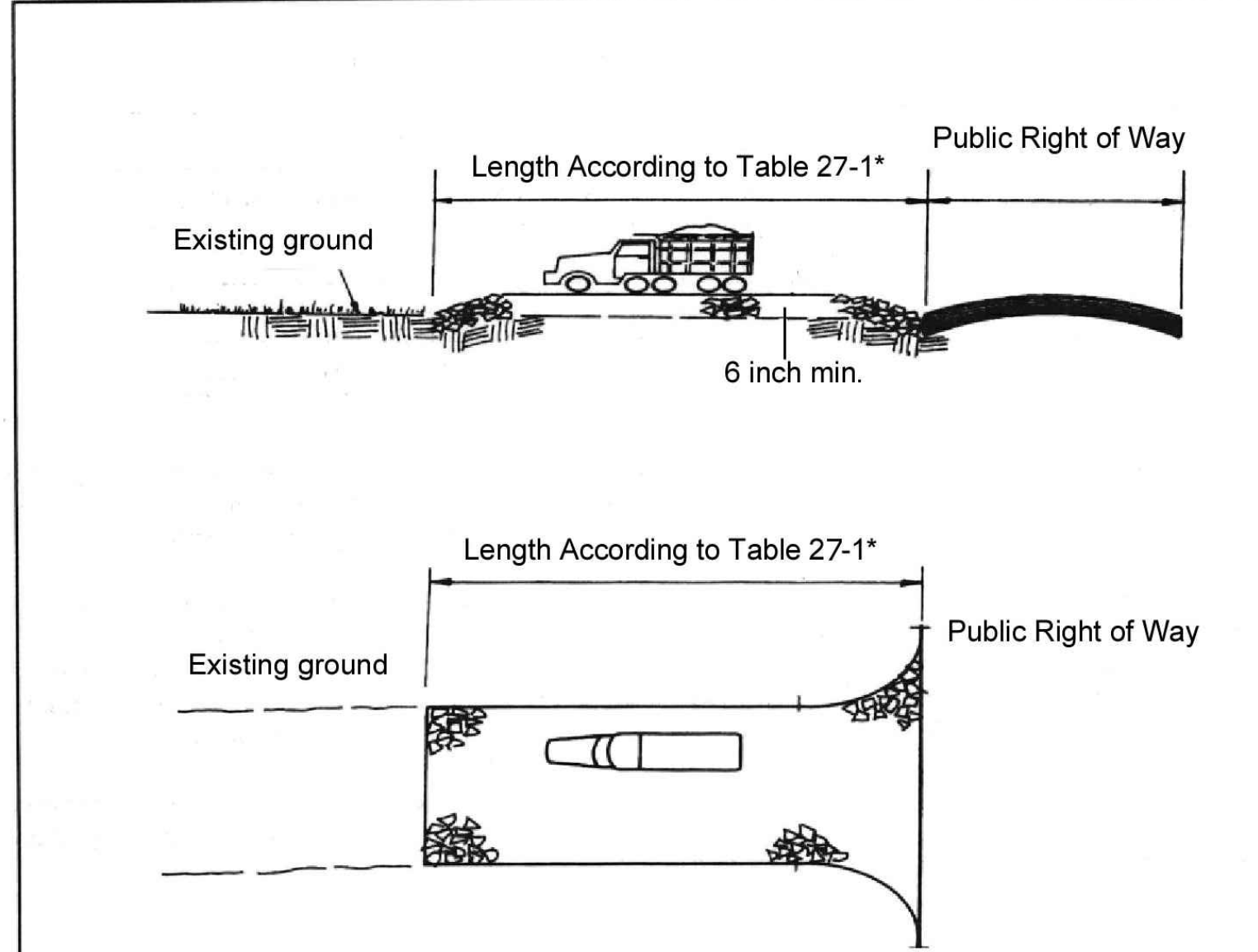


Figure 27-1: Stabilized Construction Access

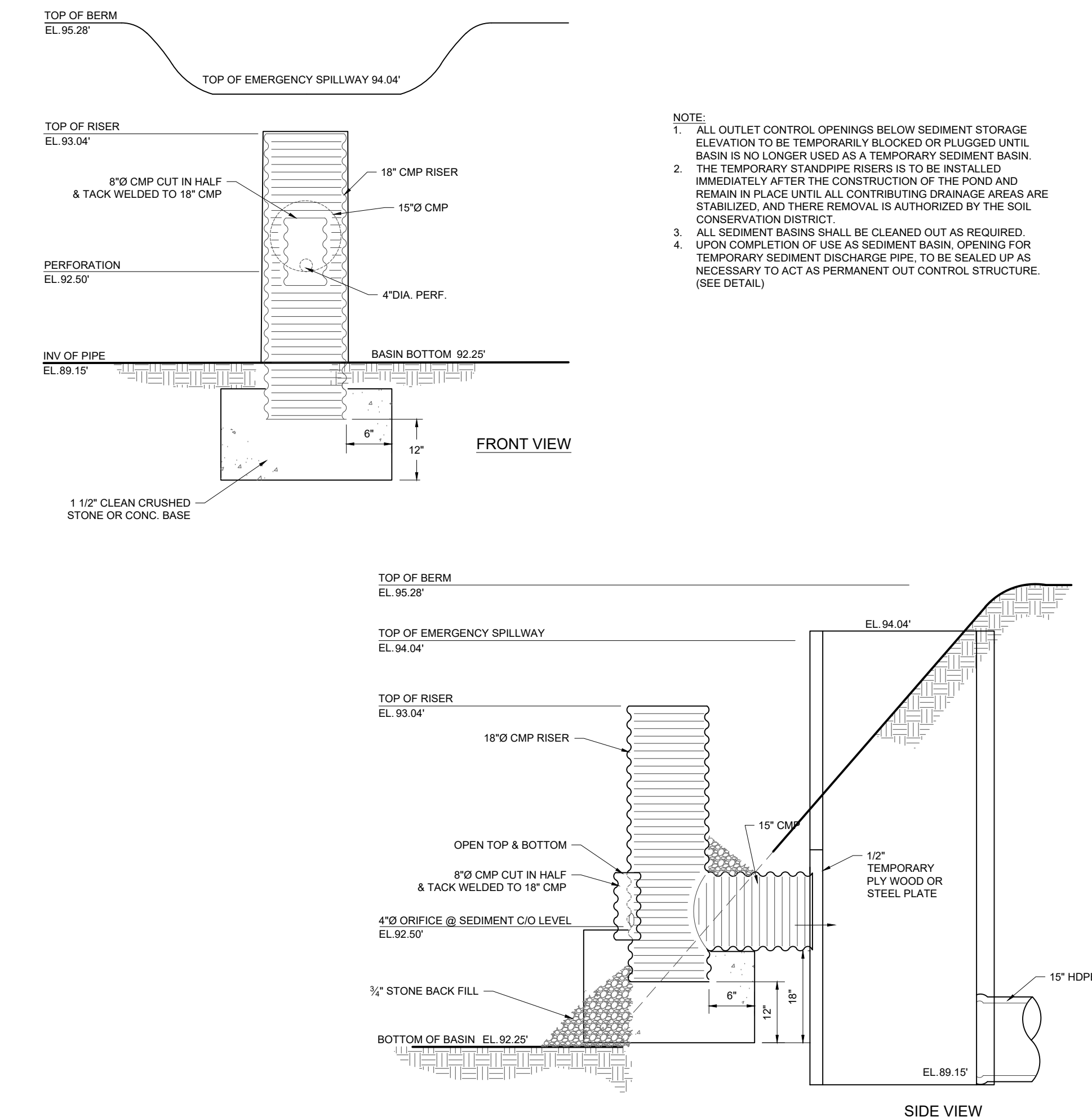


* Note: Individual lot access points may require stabilization. Thickness shown is for stone construction entrance only (typ).

Table 27-1: Lengths of Construction Exits on Sloping Roadbeds

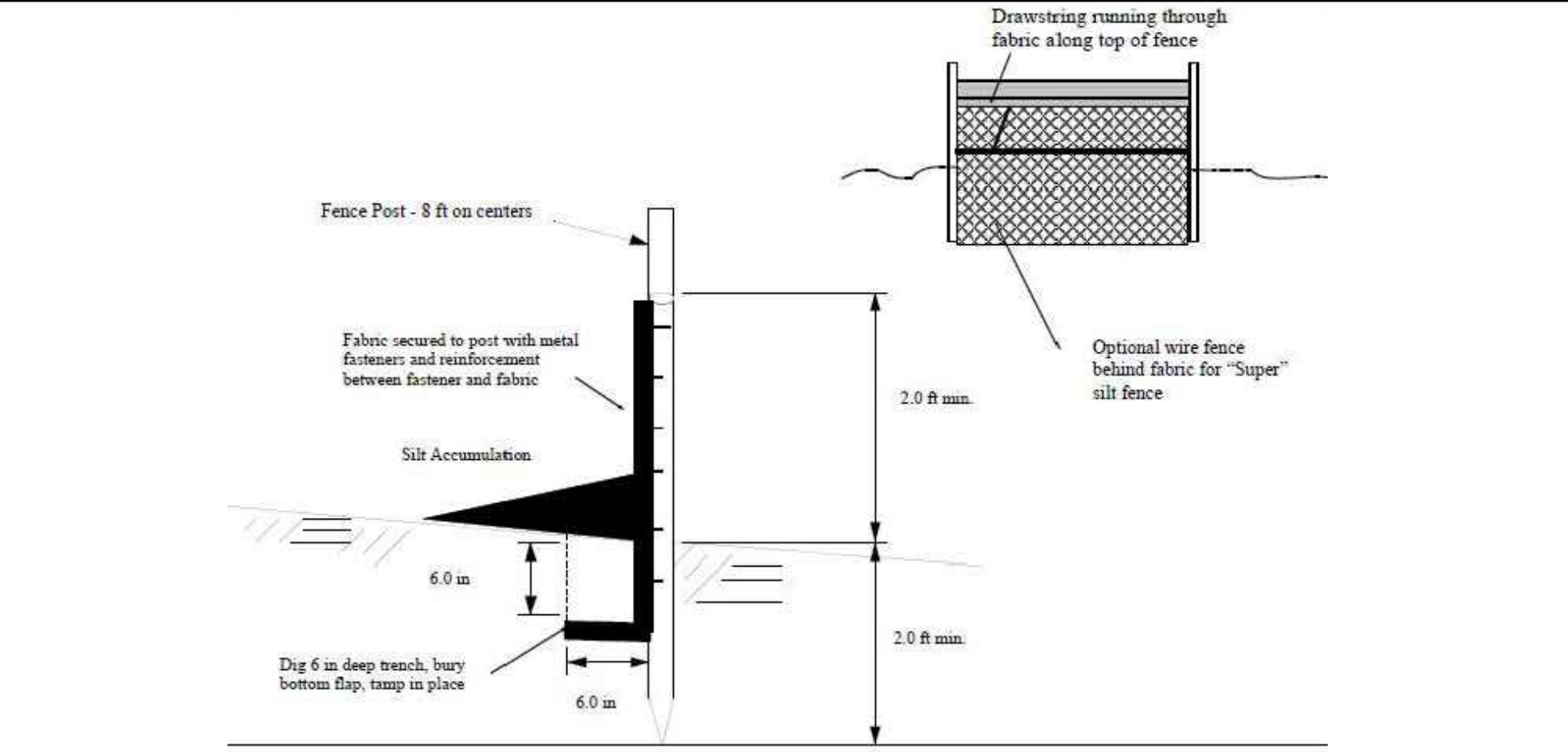
Percent Slope of Roadway	Length of Stone Required	
	Coarse Grained Soils	Fine Grained Soils
0 to 2%	50 ft.	100 ft.
2 to 5%	100 ft.	200 ft.
> 5%	Surface stabilized with Hot Mix Asphalt base course*	

* As prescribed by local ordinance or other governing authority.

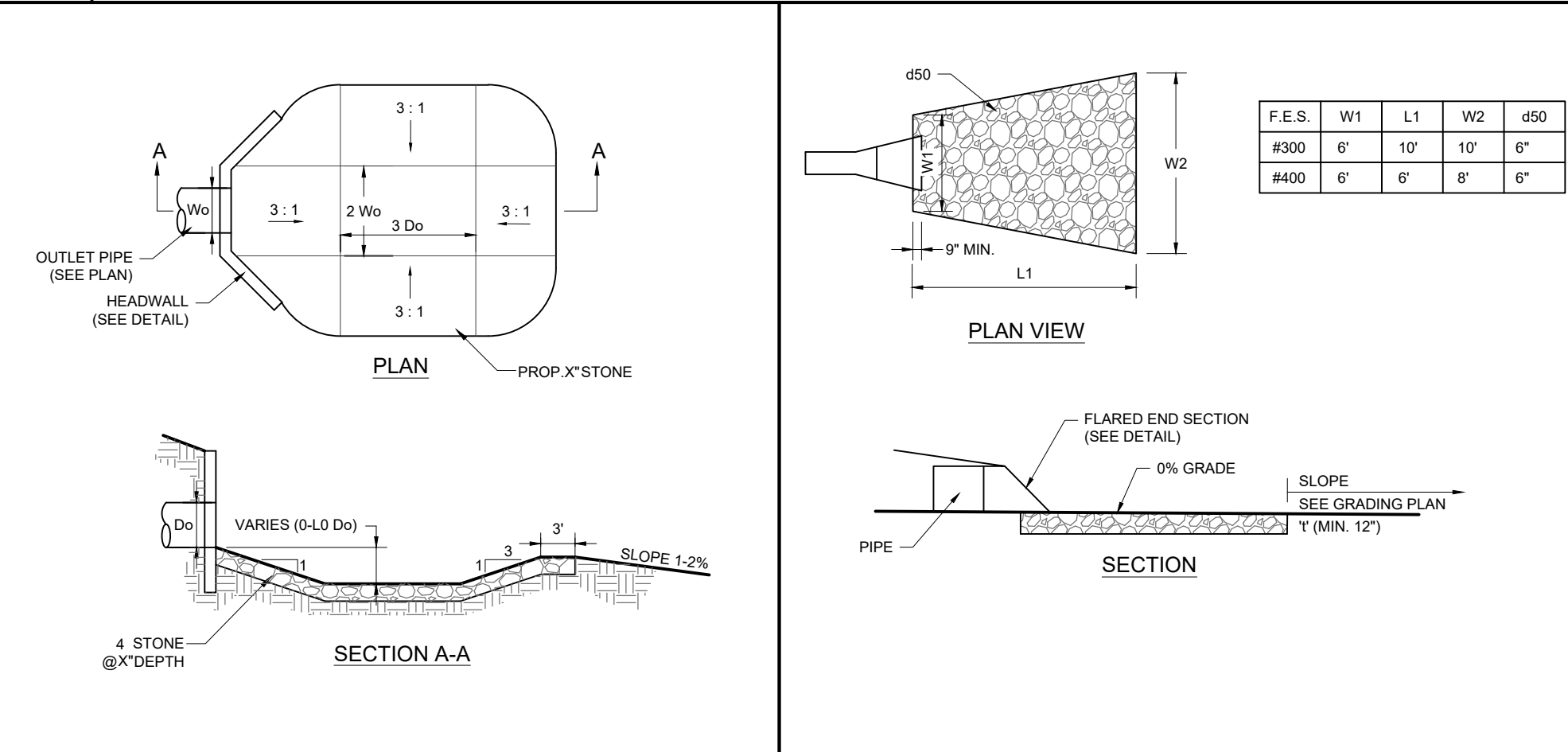


NOTE:
 1. ALL OUTLET CONTROL OPENINGS BELOW SEDIMENT STORAGE ELEVATION TO BE TEMPORARILY BLOCKED OR PLUGGED UNTIL BASIN IS NO LONGER USED AS A TEMPORARY SEDIMENT BASIN.
 2. THE TEMPORARY STANDPIPE RISERS IS TO BE INSTALLED IMMEDIATELY AFTER THE CONSTRUCTION OF THE POND AND REMAIN IN PLACE UNTIL ALL CONTRIBUTING DRAINAGE AREAS ARE STABILIZED, AND THERE REMOVAL IS AUTHORIZED BY THE SOIL CONSERVATION DISTRICT.
 3. ALL SEDIMENT BASINS SHALL BE CLEANED OUT AS REQUIRED UPON COMPLETION OF USE AS SEDIMENT BASIN. OPENING FOR TEMPORARY SEDIMENT DISCHARGE PIPE TO BE SEALED UP AS NECESSARY TO ACT AS PERMANENT OUT CONTROL STRUCTURE. (SEE DETAIL).
 4.

1 SILT SACK DETAIL
NOT TO SCALE (020102 - 04/2019)



3 SILT FENCE DETAIL
NOT TO SCALE (020102 - 04/2019)



4 PREFORMED SCOUR HOLE DETAIL
NOT TO SCALE (0118902-01/2013)

2 STABILIZED CONSTRUCTION ACCESS DETAIL
NOT TO SCALE (020102 - 04/2019)

PUMPED WATER FILTER BAGS - Filter bags may be used to filter water pumped from disturbed areas prior to discharging to waters of the Commonwealth. They may also be used to filter water pumped from the sediment storage areas of sediment basins.

The pumping rate should be specified on the plan drawings next to the typical detail. Pumping rates will vary depending on the size of the filter bag, and the type and amount of sediment discharged to the bag.

Filter bags should be installed according to the details shown in Standard Construction Detail #26.

**STANDARD CONSTRUCTION DETAIL #26
Pumped Water Filter Bag**

FILTER BAG TO BE SURROUNDED BY STAKED HAY BALES

FILTER BAG TO BE SURROUNDED ON TOP OF FILTER FABRIC. FILTER FABRIC TO BE WRAPPED UP THE INTERIOR OF THE HAY BALES

WELL VEGETATED, GRASSY AREA
 PLAN VIEW
 DISCHARGE HOSE
 CLAMPS
 INTAKE HOSE
 PUMP

WELL VEGETATED, GRASSY AREA
 ELEVATION VIEW
 DISCHARGE HOSE
 CLAMPS
 INTAKE HOSE
 PUMP

Filter bags shall be made from non-woven geotextile material sewn with high strength, double stitched "J" type seams. They shall be capable of trapping particles larger than 150 microns.

A suitable means of accessing the bag with machinery required for disposal purposes must be provided. Filter bags shall be replaced when they become 1/2 full. Spare bags shall be kept available for replacement of those that have failed or are filled.

Bags shall be located in well-vegetated (grassy) area, and discharge onto stable, erosion resistant areas. Where this is not possible, a geotextile flow path shall be provided. Bags shall not be placed on slopes greater than 5%.

The pump discharge hose shall be inserted into the bags in the manner specified by the manufacturer and securely clamped.

The pumping rate shall be no greater than 750 gpm or 1/2 the maximum specified by the manufacturer, whichever is less. Pump intakes should be floating and screened.

6 PUMPED WATER FILTER BAG
NOT TO SCALE (020102 - 04/2019)

3 TEMPORARY SEDIMENT CONTROL RISER #1 DETAIL
NOT TO SCALE (0069904-01/2013)

DEFINITION
THE CONTROL OF DUST ON CONSTRUCTION SITES AND ROADS

PURPOSE
TO PREVENT BLOWING AND MOVEMENT OF DUST FROM EXPOSED SOIL SURFACES. REDUCE ON-SITE AND OFF-SITE DAMAGE AND HEALTH HAZARDS, AND IMPROVE TRAFFIC SAFETY.

CONDITION WHERE PRACTICE APPLIES
THIS PRACTICE IS APPLICABLE TO AREAS SUBJECT TO DUST BLOWING AND MOVEMENT WHERE ON-SITE AND OFF-SITE DAMAGE IS LIKELY WITHOUT TREATMENT. CONSULT WITH LOCAL MUNICIPAL ORDINANCES ON ANY RESTRICTIONS.

WATER QUALITY ENHANCEMENT
SEDIMENTS DEPOSITED AS "DUST" ARE OFTEN FINE COLLOIDAL MATERIAL WHICH IS EXTREMELY DIFFICULT TO REMOVE FROM WATER ONCE IT BECOMES SUSPENDED. USE OF THIS STANDARD WILL HELP TO CONTROL THE GENERATION OF DUST FROM CONSTRUCTION SITES AND SUBSEQUENT BLOWING AND DEPOSITION INTO LOCAL SURFACE WATER RESOURCES.

PLANNING CRITERIA
THE FOLLOWING METHODS SHOULD BE CONSIDERED FOR CONTROLLING DUST:
 MULCHES - SEE STANDARDS FOR STABILIZATION WITH MULCHES ONLY
 VEGETATIVE COVER - SEE STANDARDS FOR TEMPORARY VEGETATIVE COVER, PERMANENT VEGETATIVE COVER FOR SOIL STABILIZATION, AND PERMANENT STABILIZATION WITH SOIL.
 SPRAY-ON ADHESIVES - ON MINERAL SOILS (NOT EFFECTIVE ON MOCK SOILS). KEEP TRAFFIC OFF THESE AREAS.

	WATER DILUTION	TYPE OF NOZZLE	APPLY GALLONS/ ACRE
ANIONIC ASPHALT EMULSION	7:1	COARSE SPRAY	1,200
LATEX EMULSION	12.5:1	FINE SPRAY	235
RESIN IN WATER	4:1	FINE SPRAY	300
POLYACRYLAMIDE (PAM) - SPRAY ON			
POLYACRYLAMIDE (PAM) - DRY SPREAD			
ACIDULATED SOY BEAN SOAP STICK	NONE	COARSE SPRAY	1,200

TILLAGE: TO ROUGHEN THE SURFACE AND BRING THE CLODS TO THE SURFACE. THIS IS A TEMPORARY EMERGENCY MEASURE WHICH SHOULD BE USED BEFORE SOIL BLOWING STARTS. BEGIN PLOWING ON WINDWARD SIDE OF SITE. CHISEL-TYPE PLOWS SPACED ABOUT 12 INCHES APART AND SPRING-TOOTHED HARROWS ARE EXAMPLES OF EQUIPMENT WHICH MAY PRODUCE THE DESIRED EFFECT.

SPRINKLING: SITE IS SPRINKLED UNTIL THE SURFACE IS WET.

BARRIERS: SOLID BOARD FENCES, SNOW FENCES, BURLAP FENCES, CRATE WALLS, BALES OF HAY AND SIMILAR MATERIAL, CAN BE USED TO CONTROL AIR CURRENTS AND SOIL BLOWING.

CALCIUM CHLORIDE: SHALL BE IN THE FORM OF LOOSE, DRY GRANULES OR FLAKES FINE ENOUGH TO FEED THROUGH COMMONLY USED SPREADERS AT A RATE THAT WILL KEEP SURFACE MOIST BUT NOT CAUSE POLLUTION OR PLANT DAMAGE. IF USED ON STEEPER SLOPES, THEN USE OTHER PRACTICES TO PREVENT WASHING INTO STREAMS OR ACCUMULATION AROUND PLANTS.

STONE: COVER SURFACE WITH CRUSHED STONE OR COARSE GRAVEL.

8 TEMPORARY SOIL STOCKPILE DETAIL
NOT TO SCALE (0079901 - 1/2017)

CONSTRUCT SILT FENCE AROUND PERIMETER OF STOCKPILE WITHIN UNPAVED AREAS (SEE DETAIL) OR TEMPORARY BLOCK AND SEDIMENT FILTER TUBE AROUND PERIMETER WITHIN PAVED AREAS (SEE DETAIL)

NOTES:
 1. CONTRACTOR SHALL SEPARATE TOP SOIL AND GENERAL EXCAVATED MATERIAL INTO SEPARATE STOCKPILES.
 2. CONTRACTOR SHALL PROTECT EXCAVATED REUSABLE SOILS FROM SOILS CONTAMINATED WITH DELETERIOUS MATERIAL.

7 NJSCD STANDARD FOR DUST CONTROL
NOT TO SCALE (0999916 - 2/2018)

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 FOR **ER/UDC WEST WINDSOR LLC**
 PROPOSED QUICKCHECK FOOD STORE WITH FUEL SALES AND RESTAURANT WITH DRIVE-THRU
 MAP: 23.03 | BLK: 47 | LOTS: 2-6
 332-340 HIGHTSTOWN ROAD AND 125 SOUTHFIELD ROAD
 TOWNSHIP OF WEST WINDSOR
 MERCER COUNTY, NEW JERSEY

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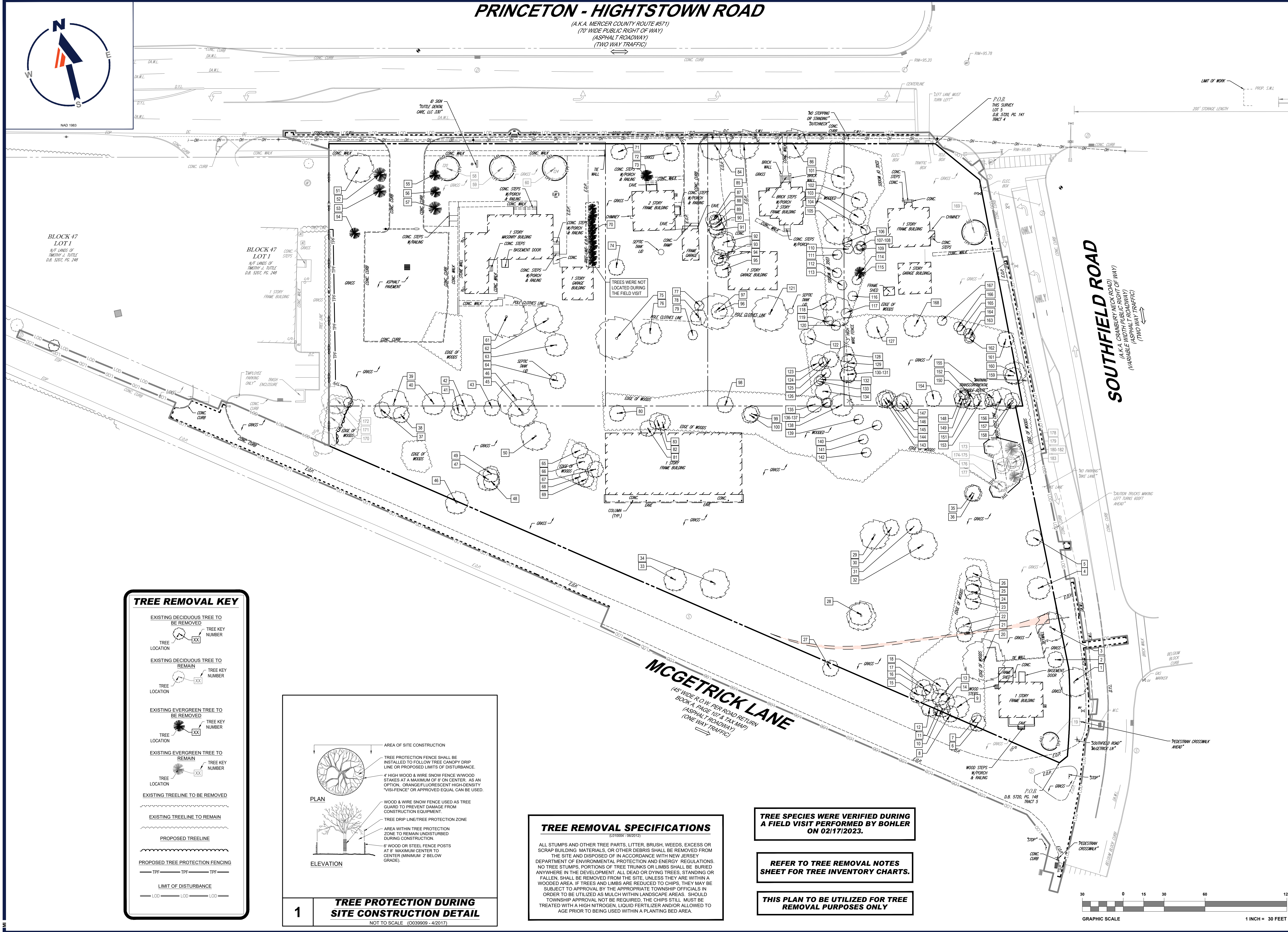
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 SHEET NUMBER: **C-602**

REVISION 6 - 11/07/2023

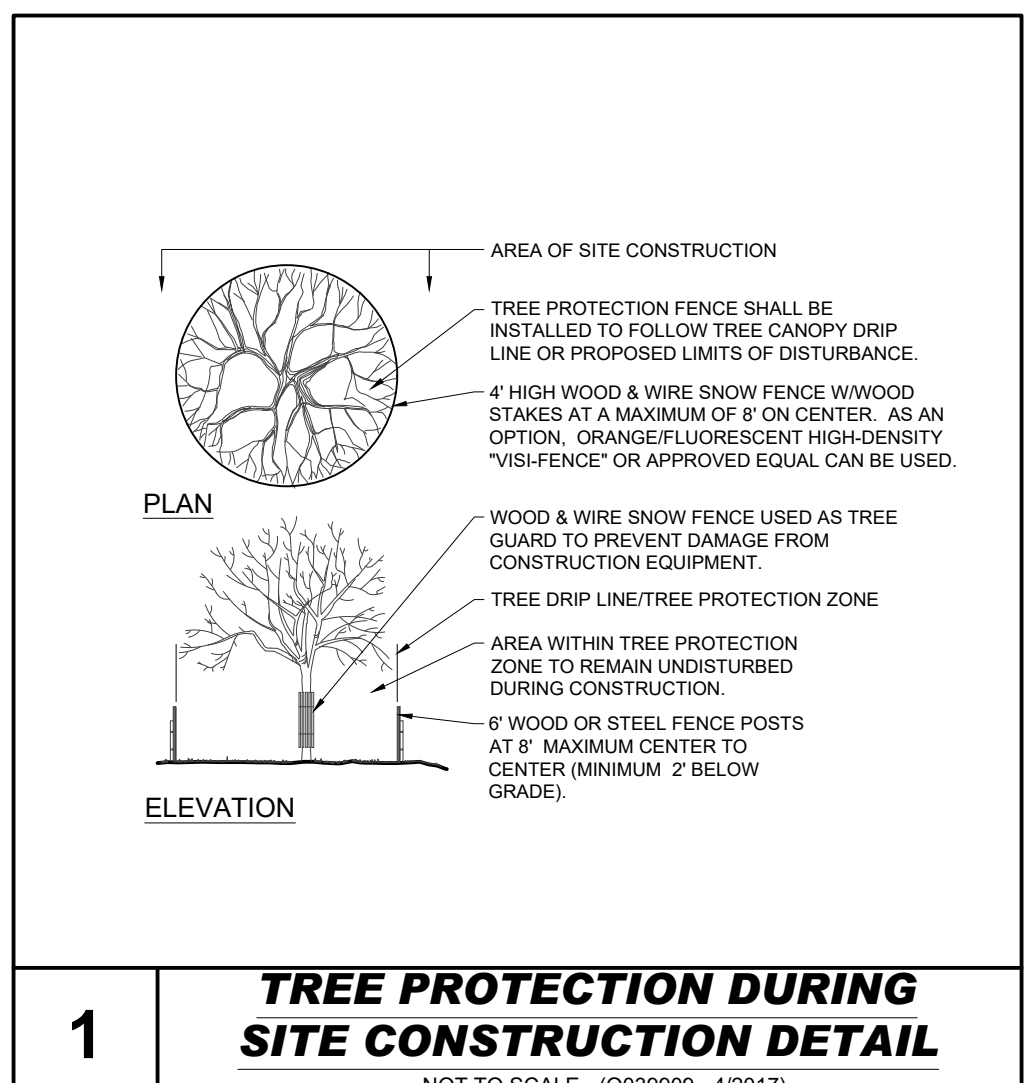
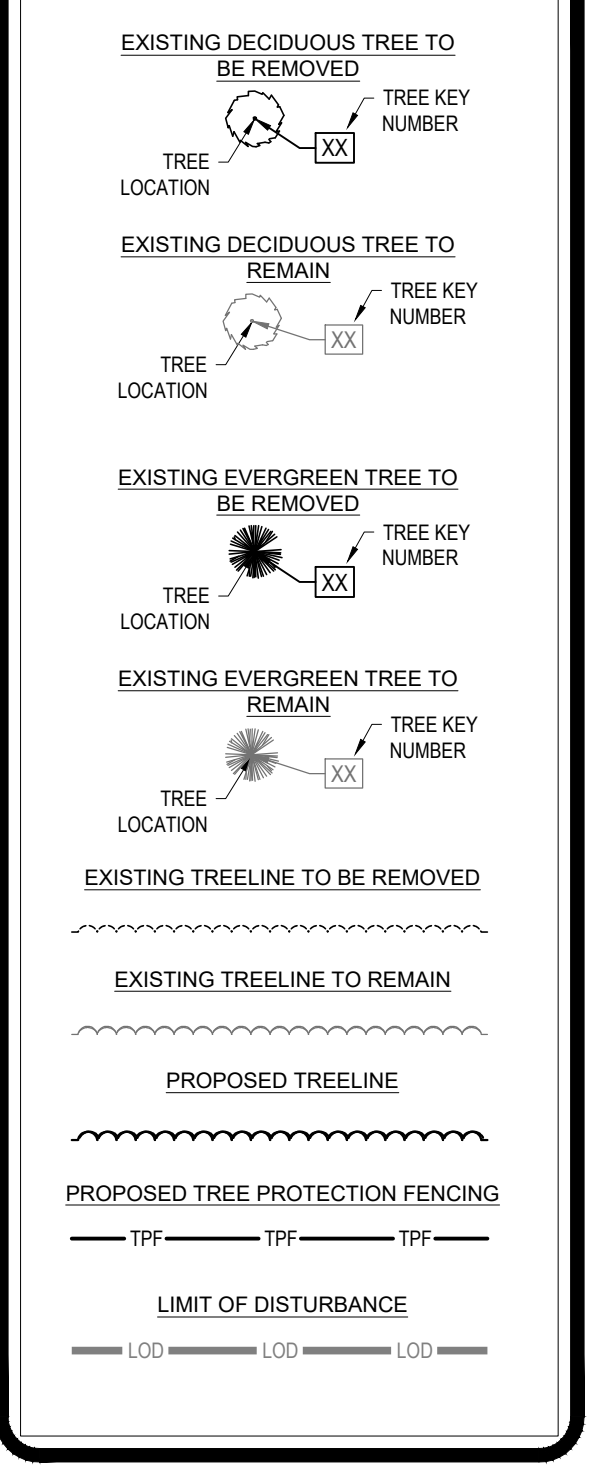
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PRINCETON - HIGHTSTOWN ROAD

(A.K.A. MERCER COUNTY ROUTE #571)
(70' WIDE PUBLIC RIGHT OF WAY)
(ASPHALT ROADWAY)
(TWO WAY TRAFFIC)



TREE REMOVAL KEY



TREE REMOVAL SPECIFICATIONS

ALL STUMPS AND OTHER TREE PARTS, LITTER, BRUSH, WEEDS, EXCESS OR SCRAP BUILDING MATERIALS, OR OTHER DEBRIS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN ACCORDANCE WITH NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION AND ENERGY REGULATIONS. NO TREE STUMPS, PORTIONS OF TREE TRUNKS OR LIMBS SHALL BE BURIED ANYWHERE IN THE DEVELOPMENT. ALL DEAD OR DYING TREES, STANDING OR FALLEN, SHALL BE REMOVED FROM THE SITE, UNLESS THEY ARE WITHIN A WOODED AREA. IF TREES AND LIMBS ARE REDUCED TO CHIPS, THEY MAY BE SUBJECT TO APPROVAL BY THE APPROPRIATE TOWNSHIP OFFICIALS IN ORDER TO BE UTILIZED AS MULCH WITHIN LANDSCAPE AREAS. SHOULD TOWNSHIP APPROVAL NOT BE REQUIRED, THE CHIPS STILL MUST BE TREATED WITH A HIGH NITROGEN LIQUID FERTILIZER AND/OR ALLOWED TO AGE PRIOR TO BEING USED WITHIN A PLANTING BED AREA.

TREE SPECIES WERE VERIFIED DURING A FIELD VISIT PERFORMED BY BOHLER ON 02/17/2023.

REFER TO TREE REMOVAL NOTES SHEET FOR TREE INVENTORY CHARTS.

THIS PLAN TO BE UTILIZED FOR TREE REMOVAL PURPOSES ONLY

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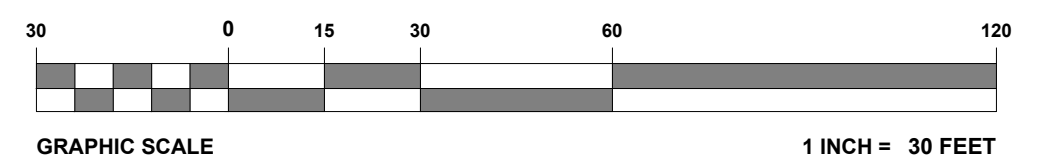
PRELIMINARY & FINAL MAJOR SITE PLAN & PRELIMINARY & FINAL MAJOR SUBDIVISION PLAN

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PROPOSED QUICKCHEK FOOD STORE WITH FUEL SALES AND RESTAURANT WITH DRIVE-THRU
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TOWNSHIP OF WEST WINDSOR
MERCER COUNTY, NEW JERSEY

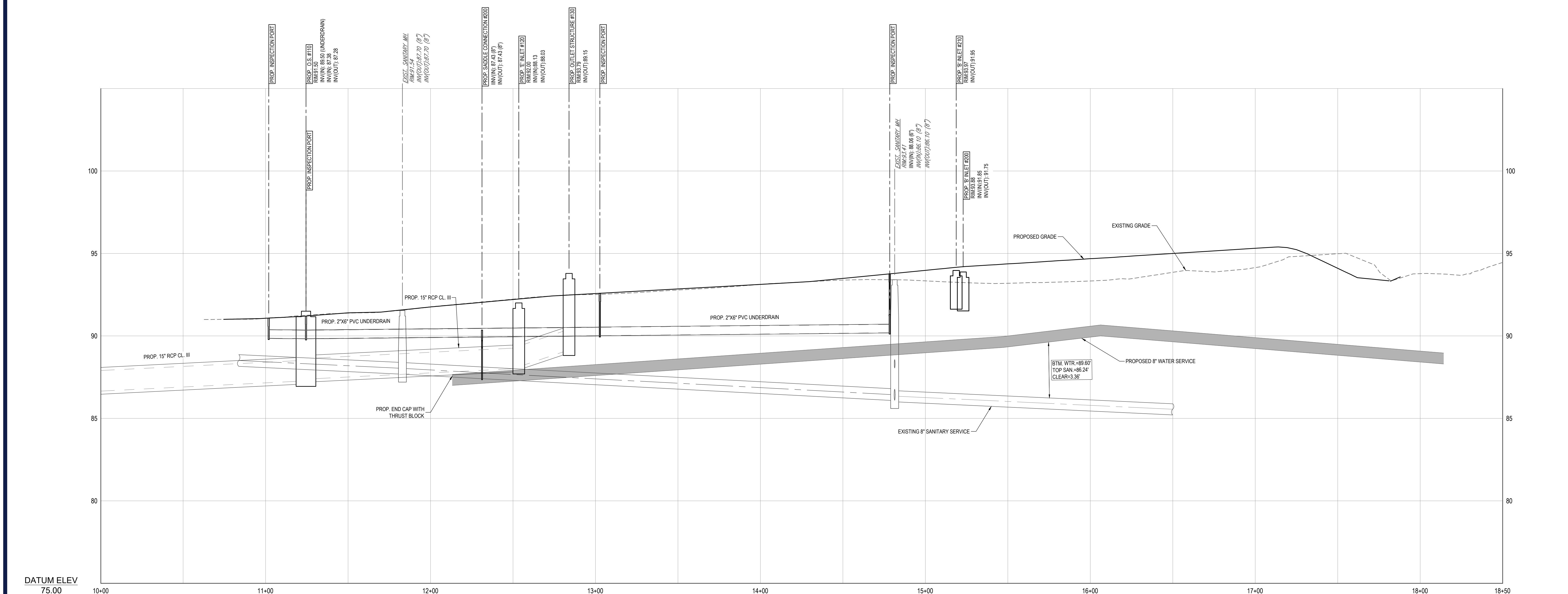
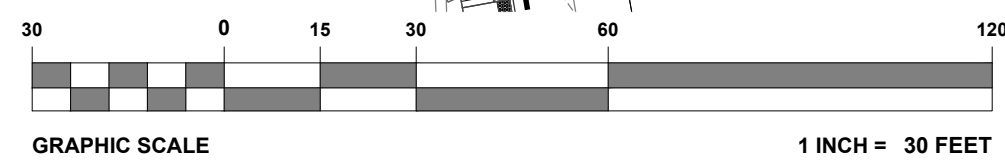
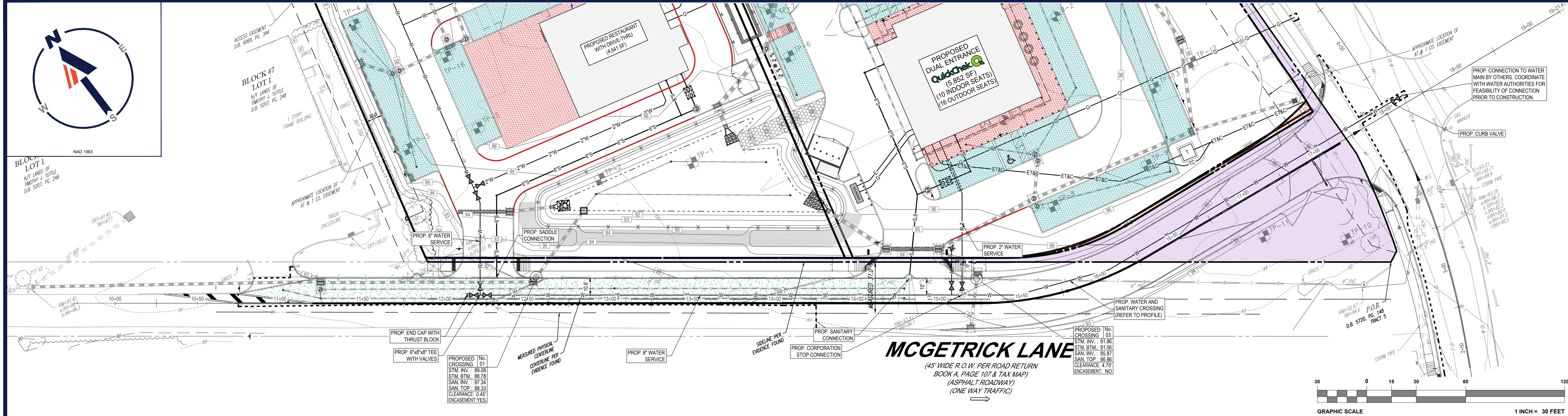
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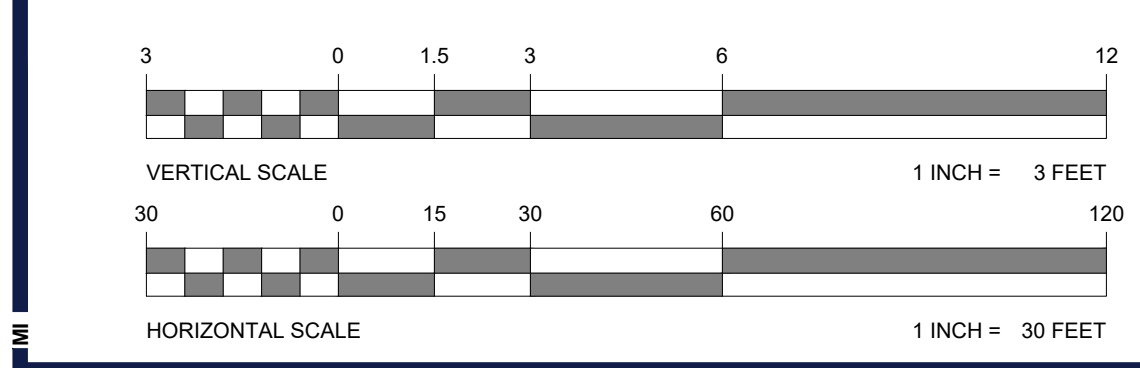
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SHEET NUMBER:
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MCGETRICK LANE PROFILE
SCALE: 1" = 30' HORIZONTAL
1" = 3' VERTICAL



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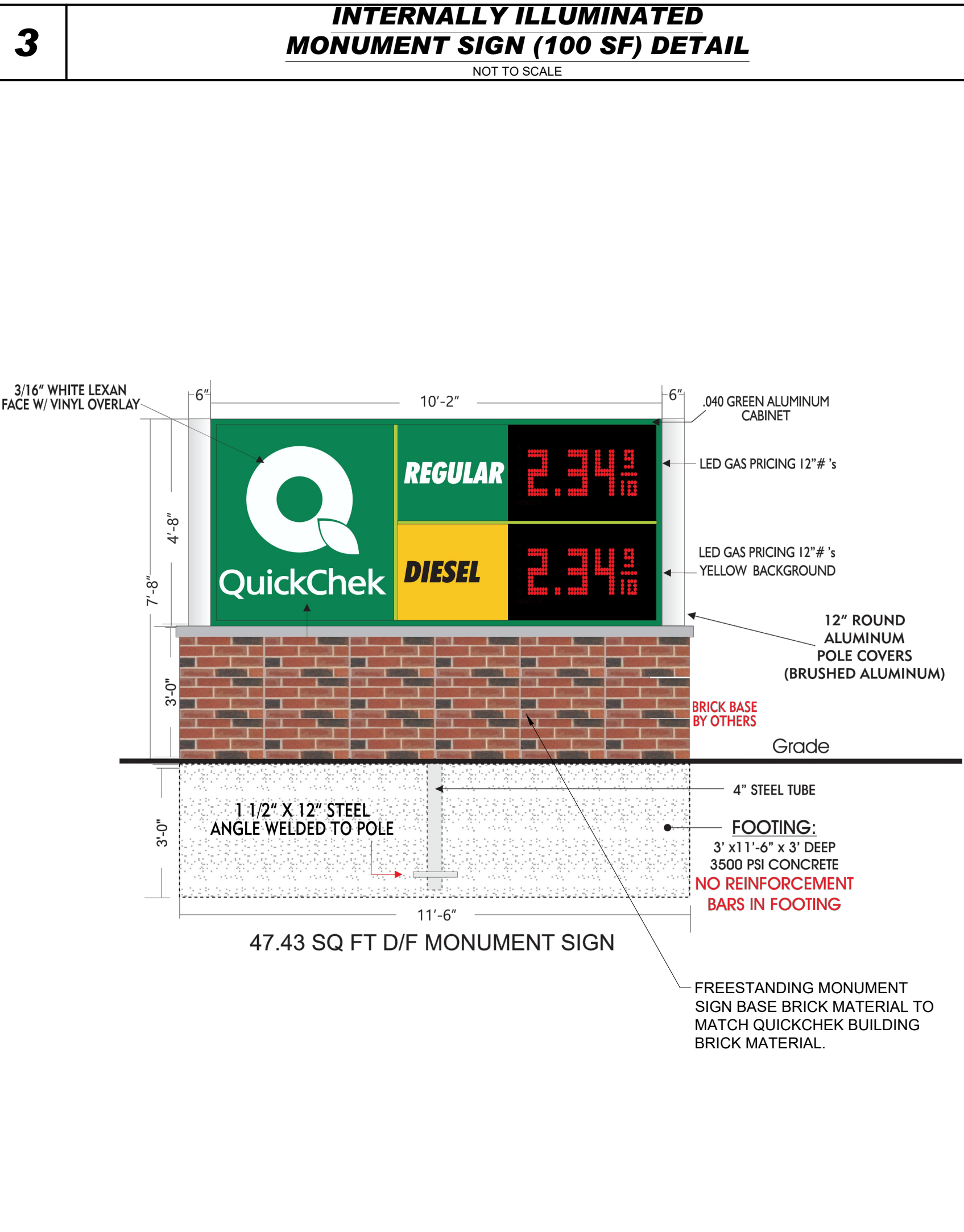
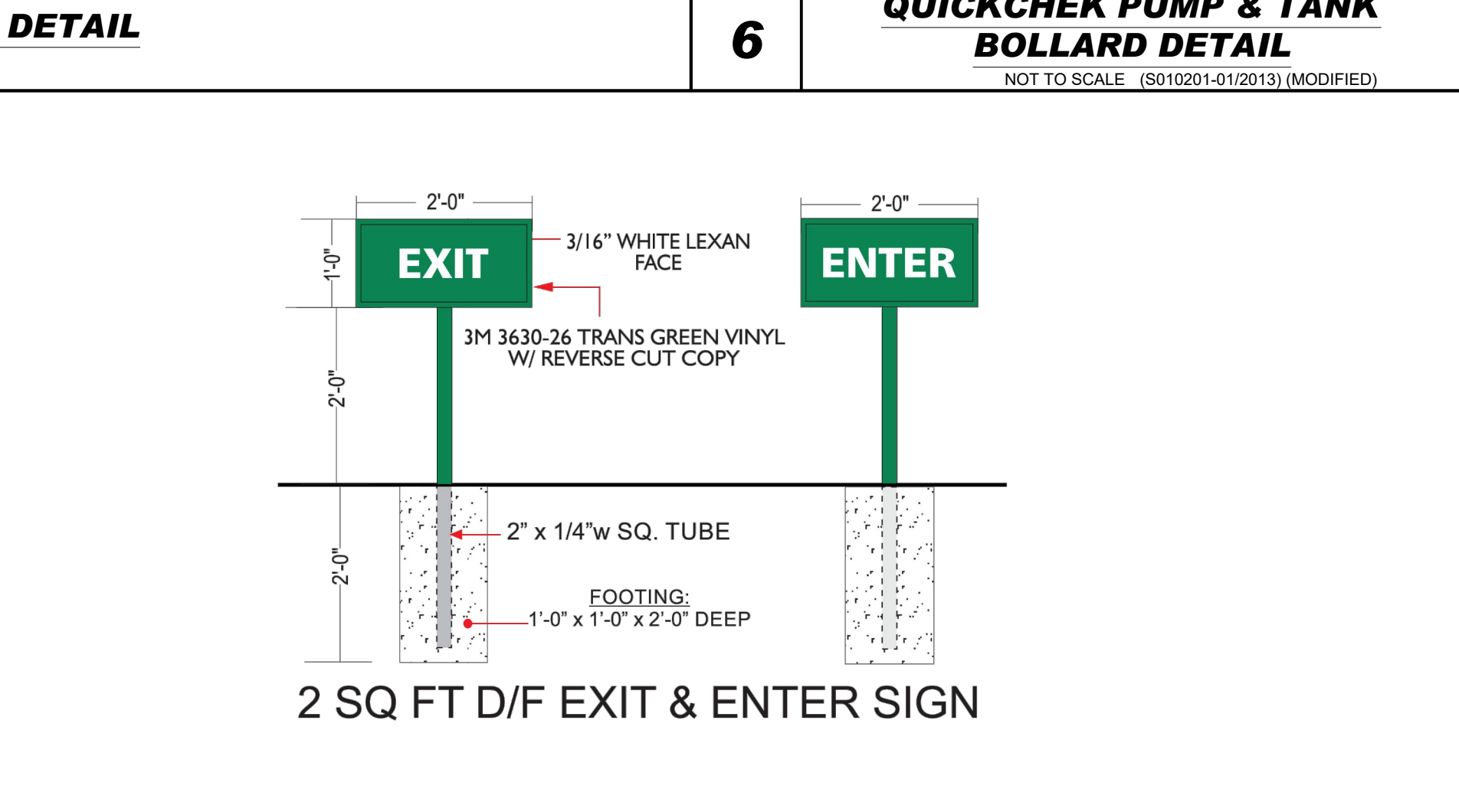
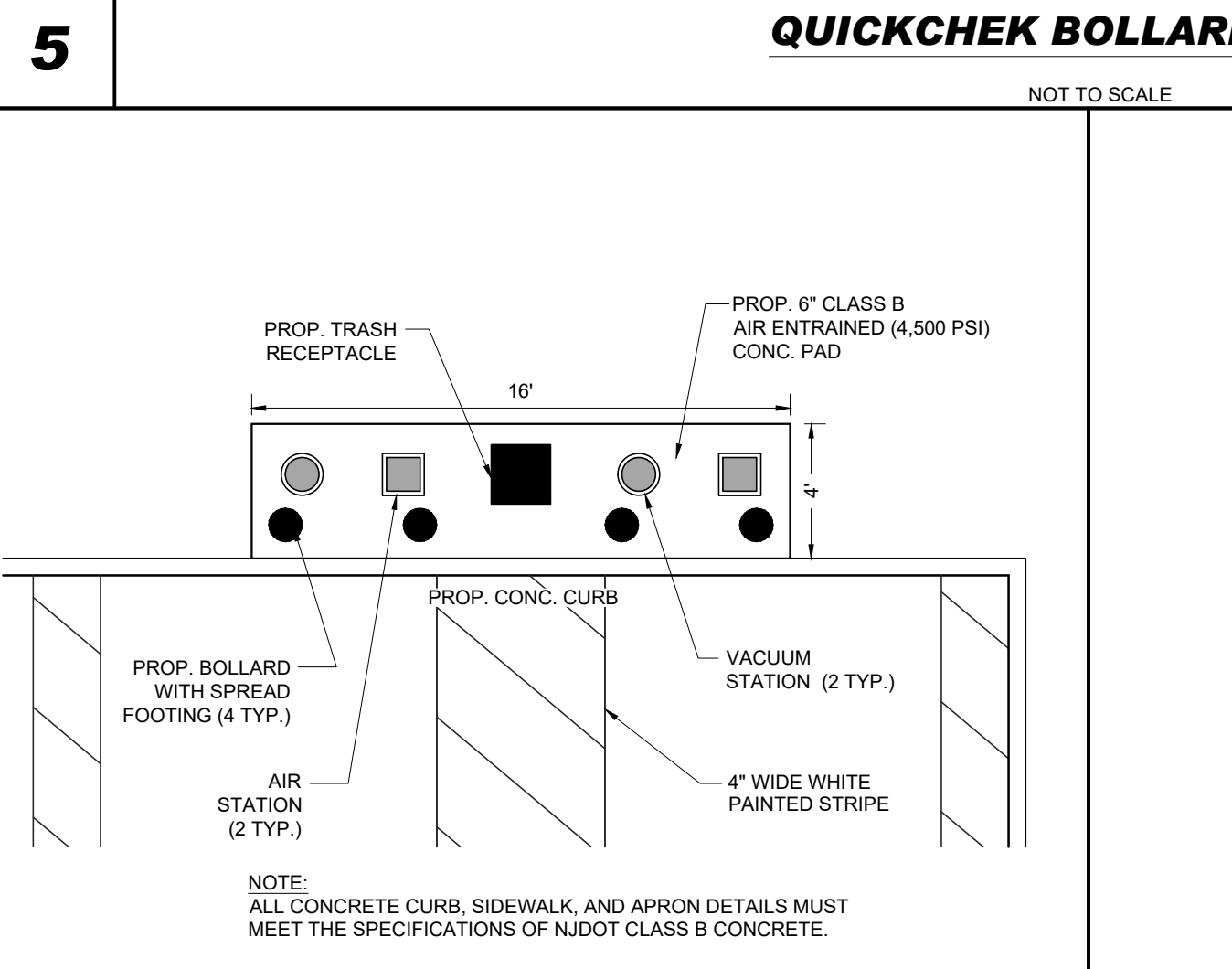
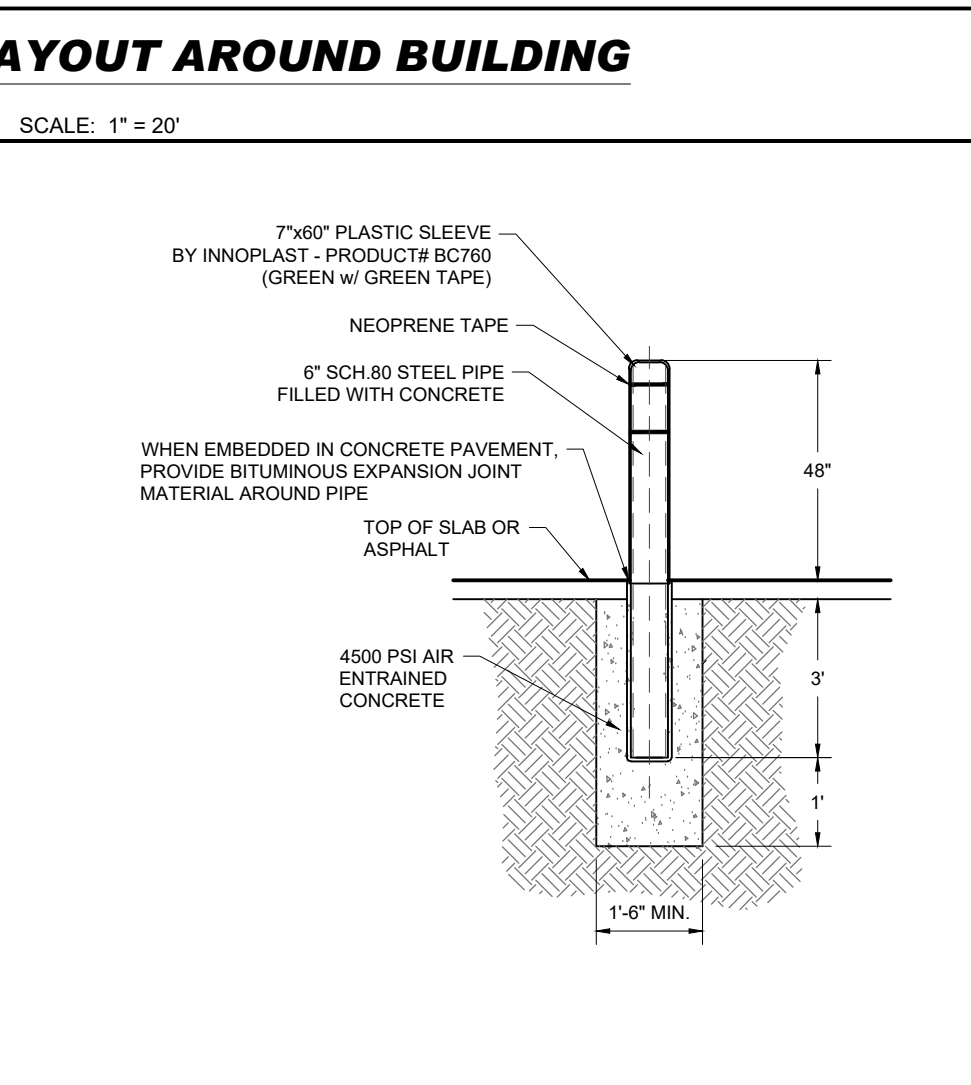
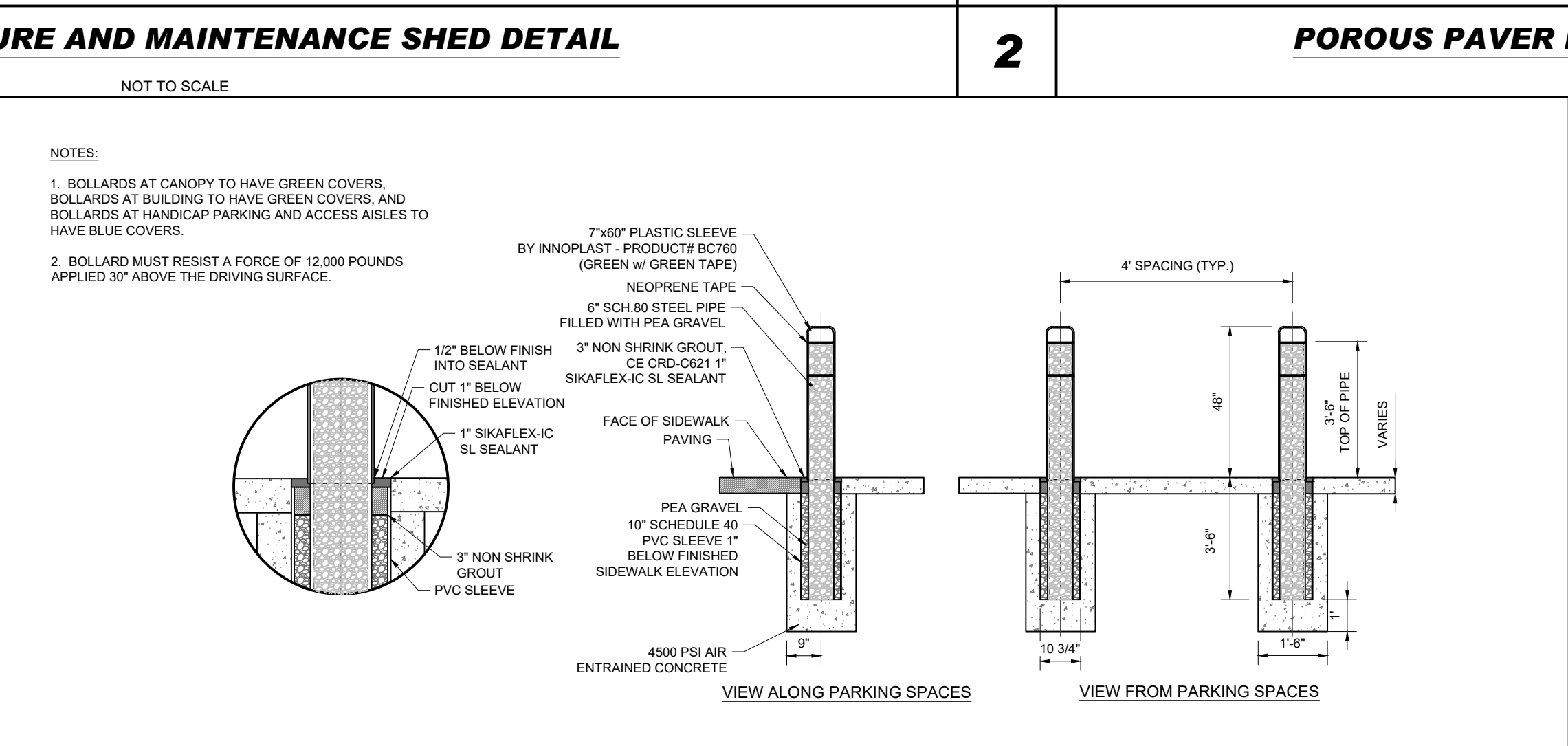
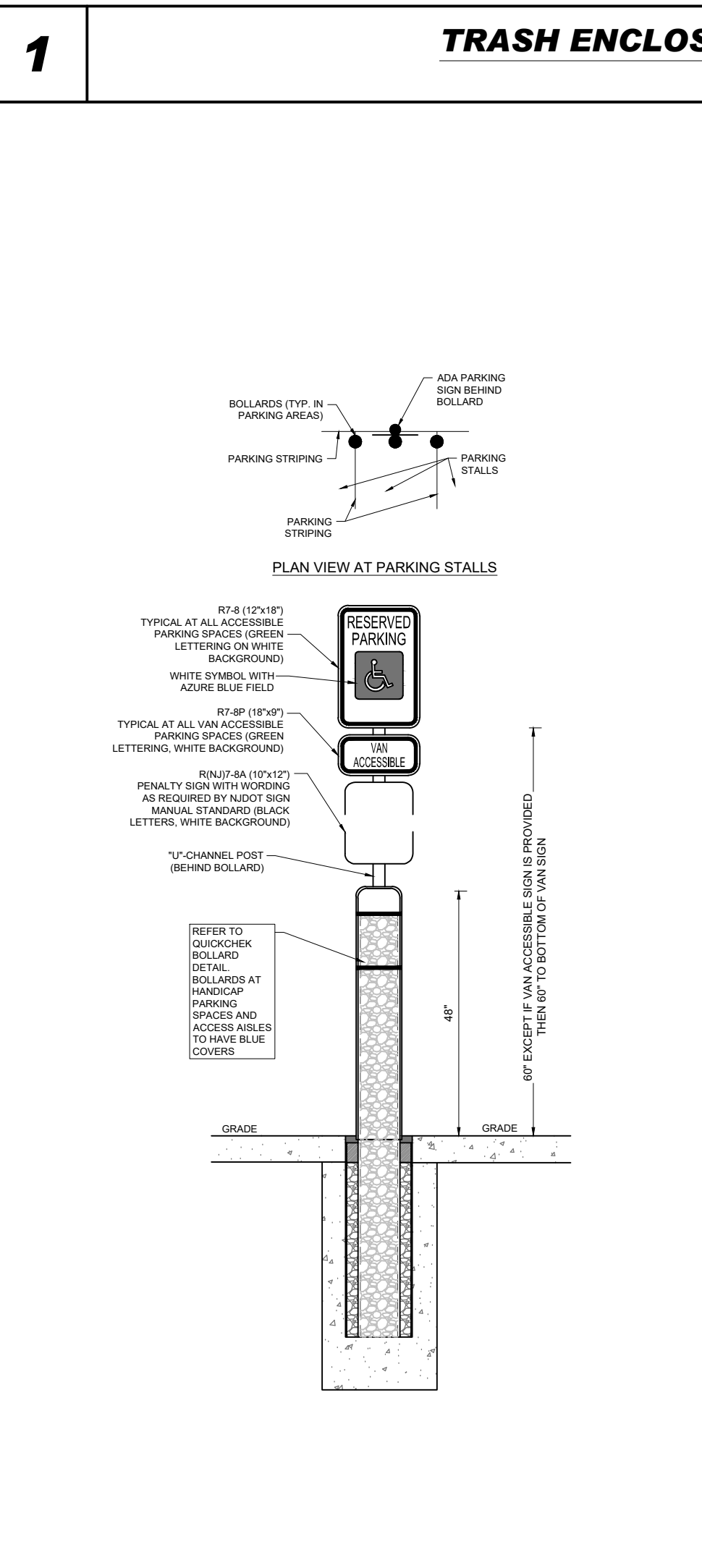
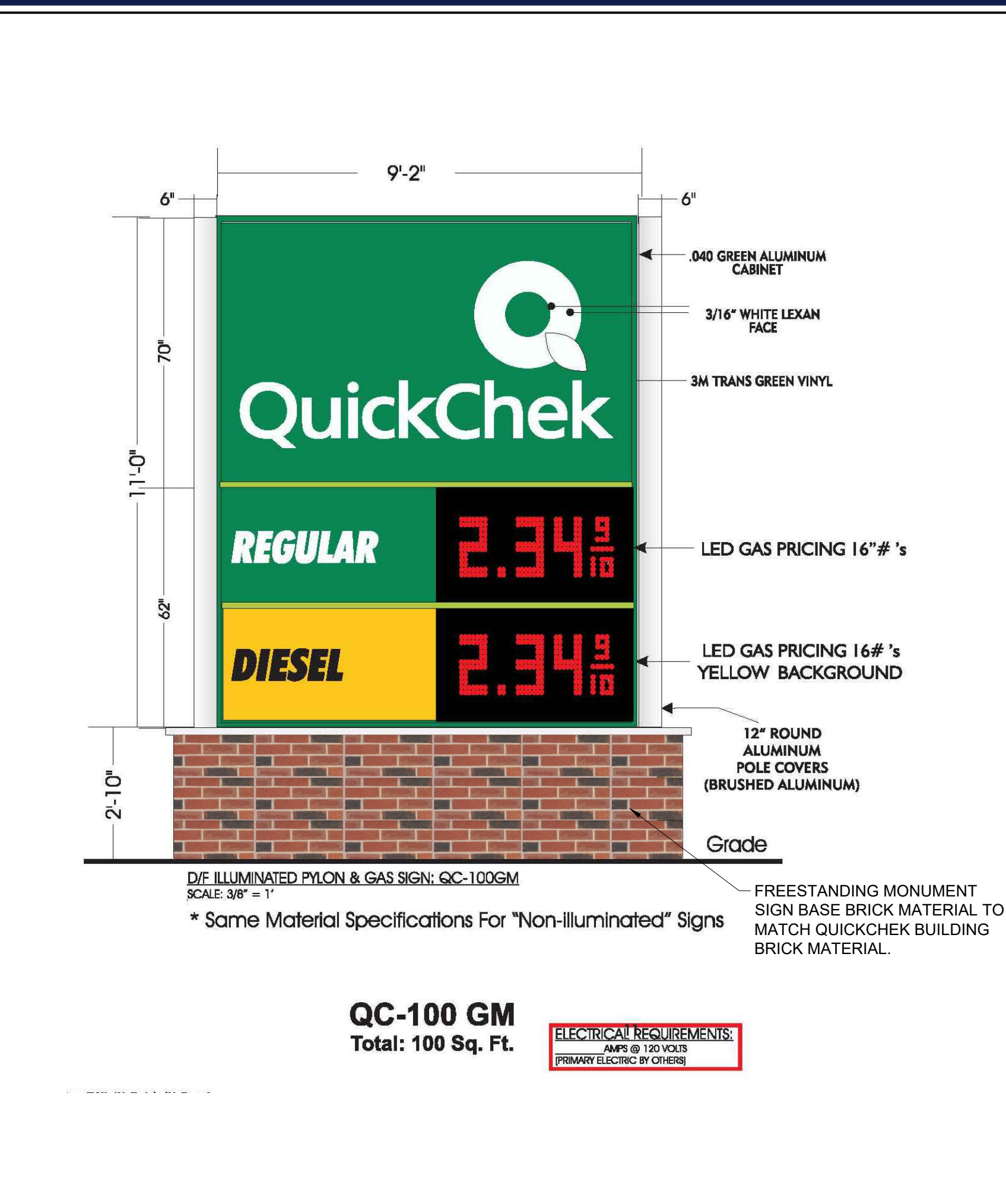
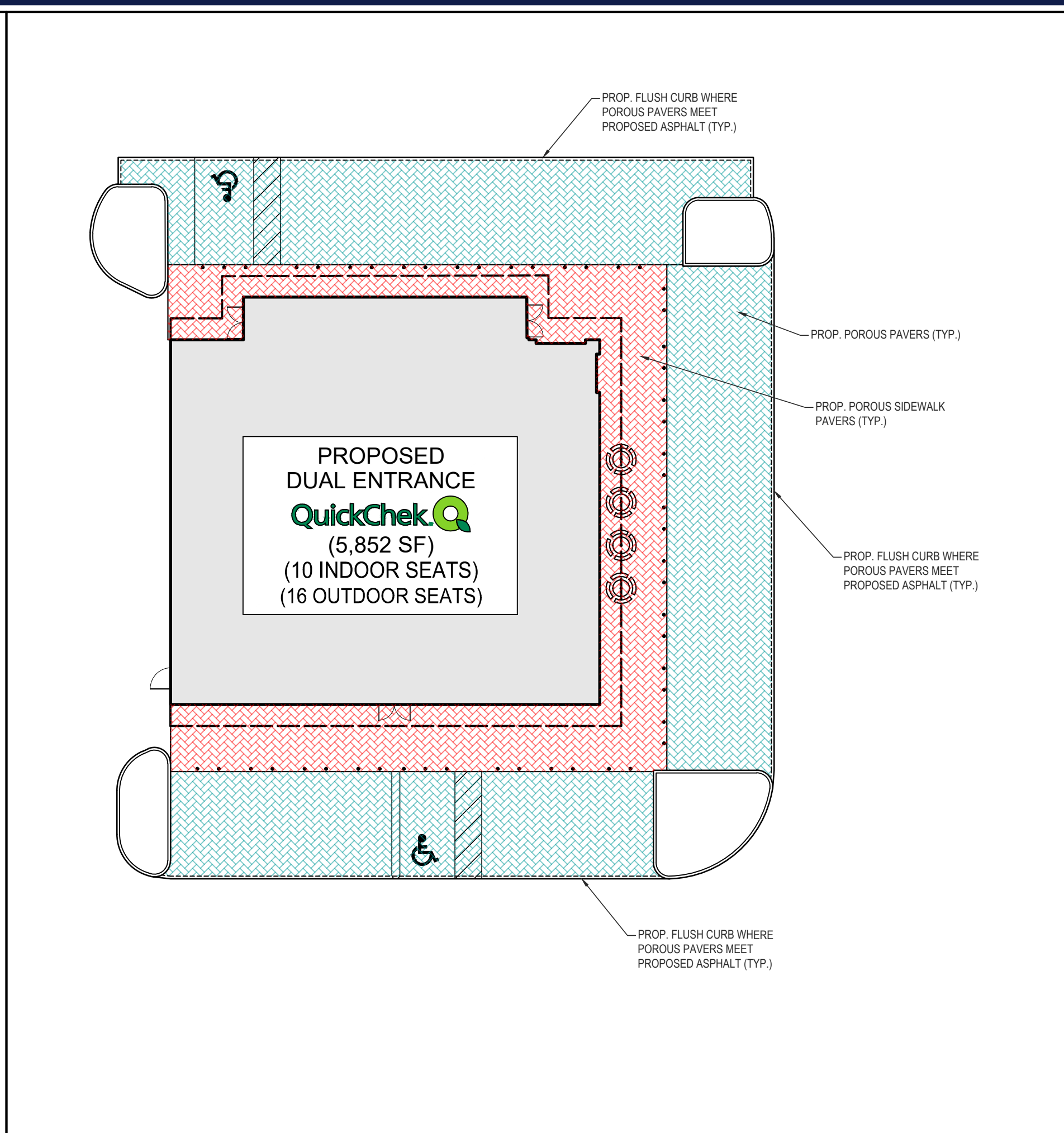
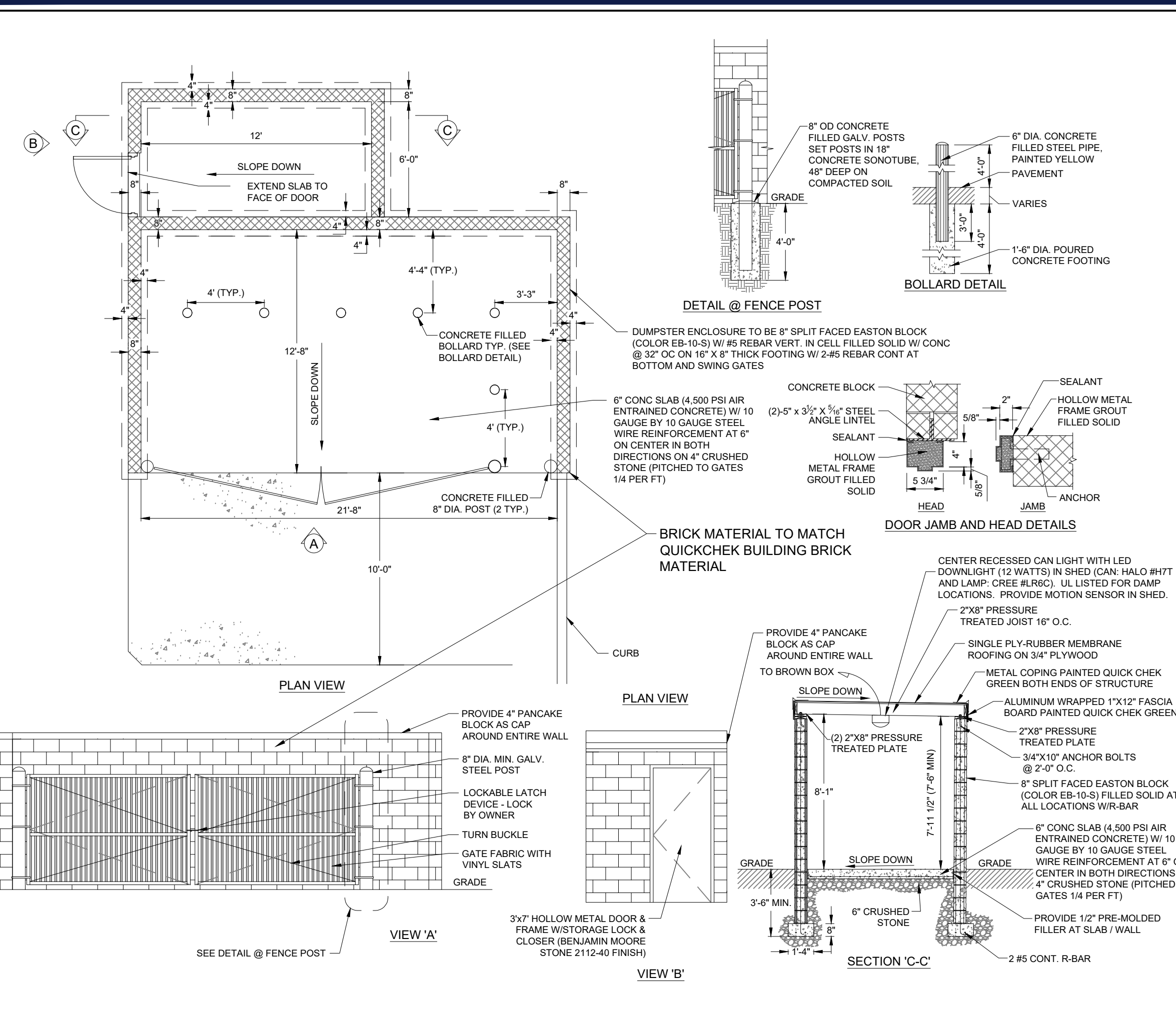
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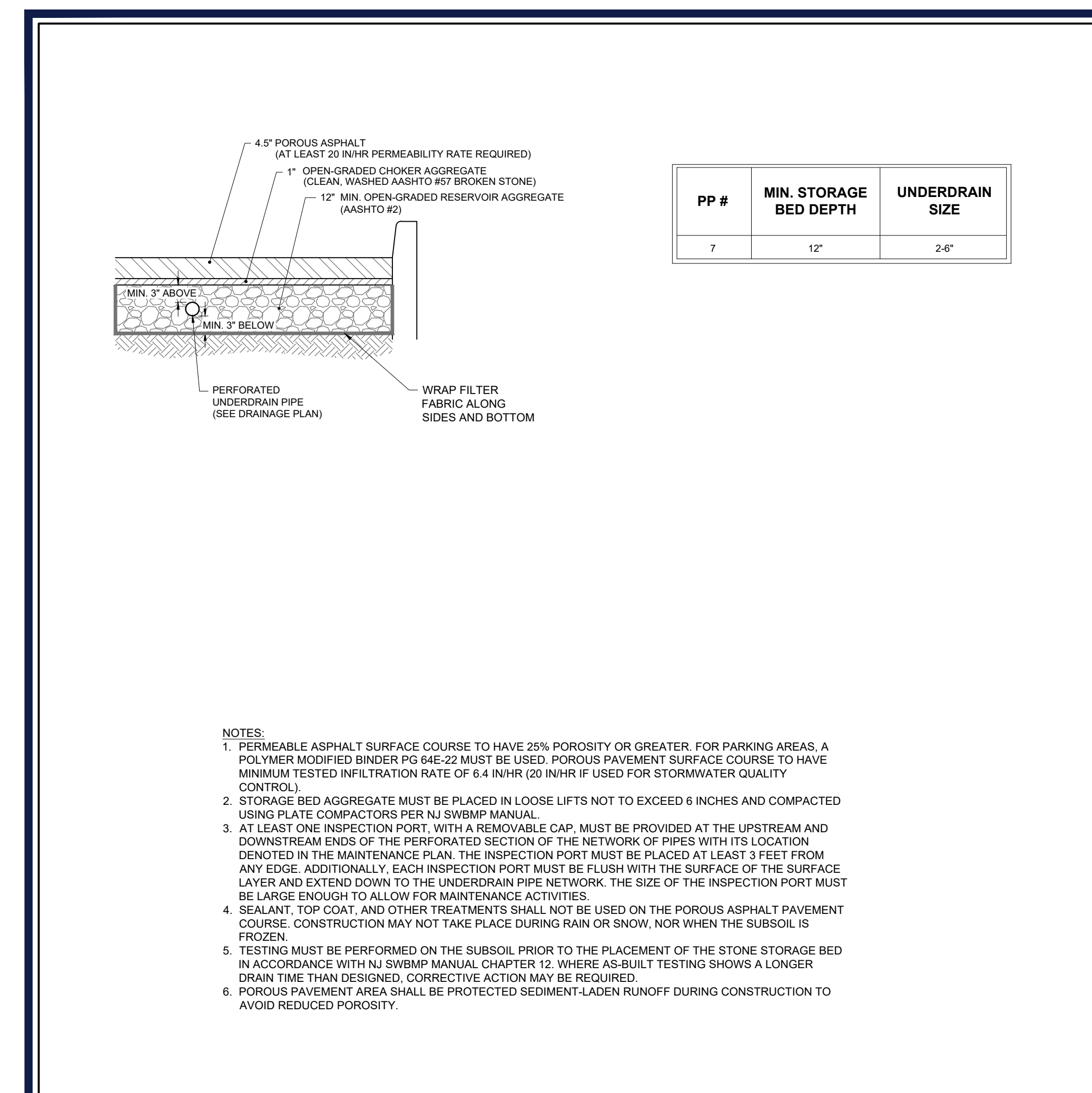
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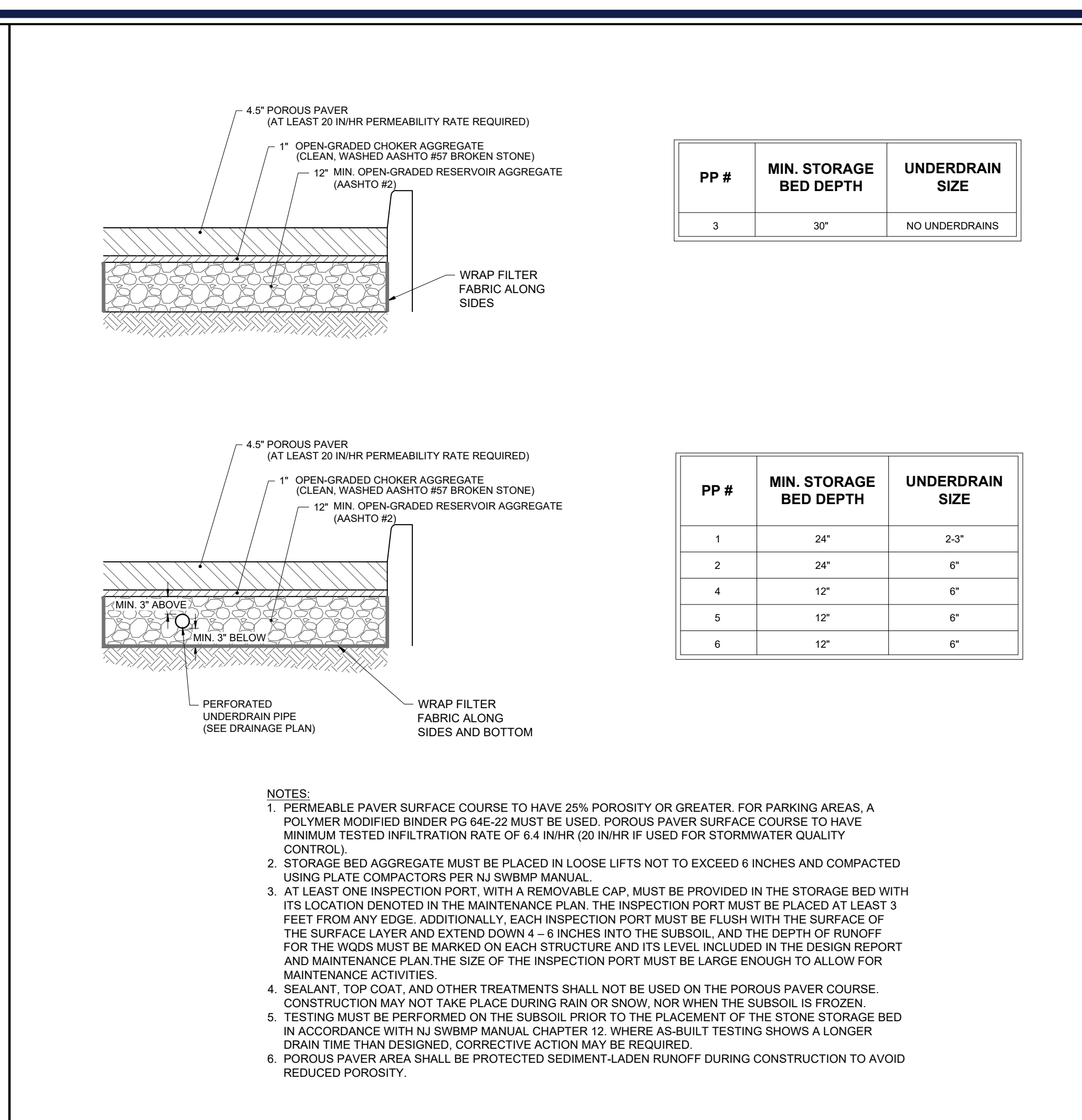
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SHEET NUMBER:
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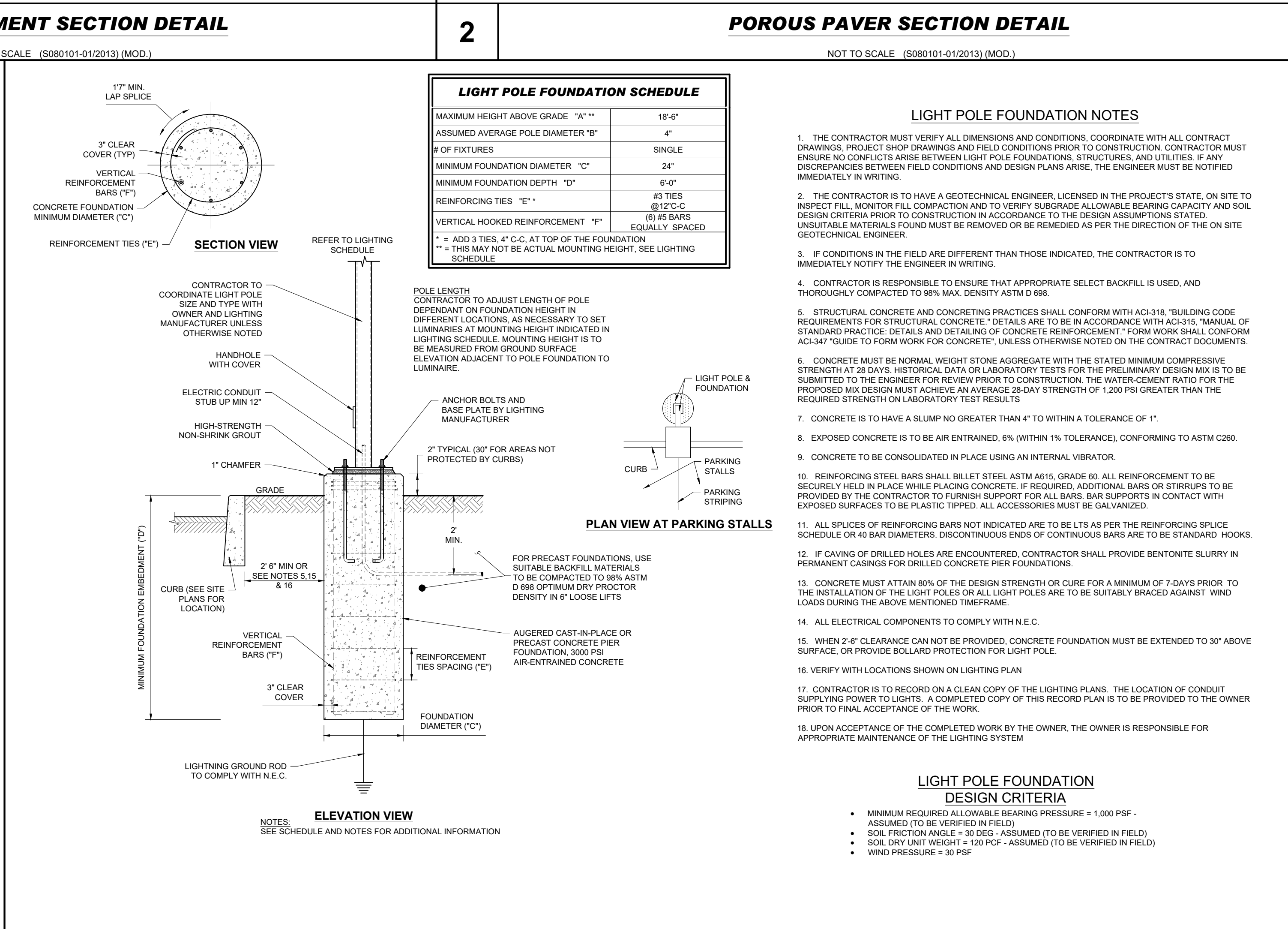
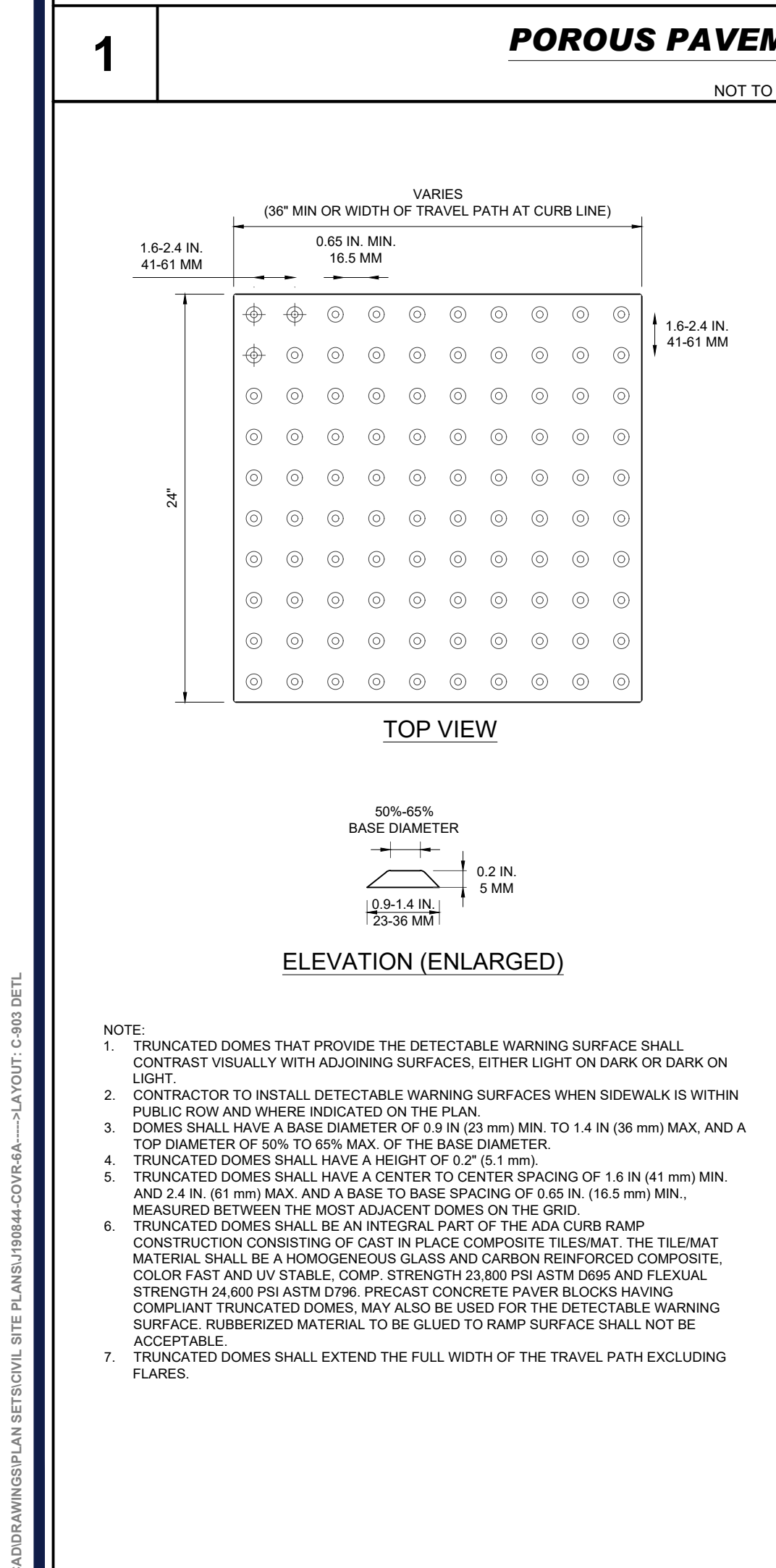
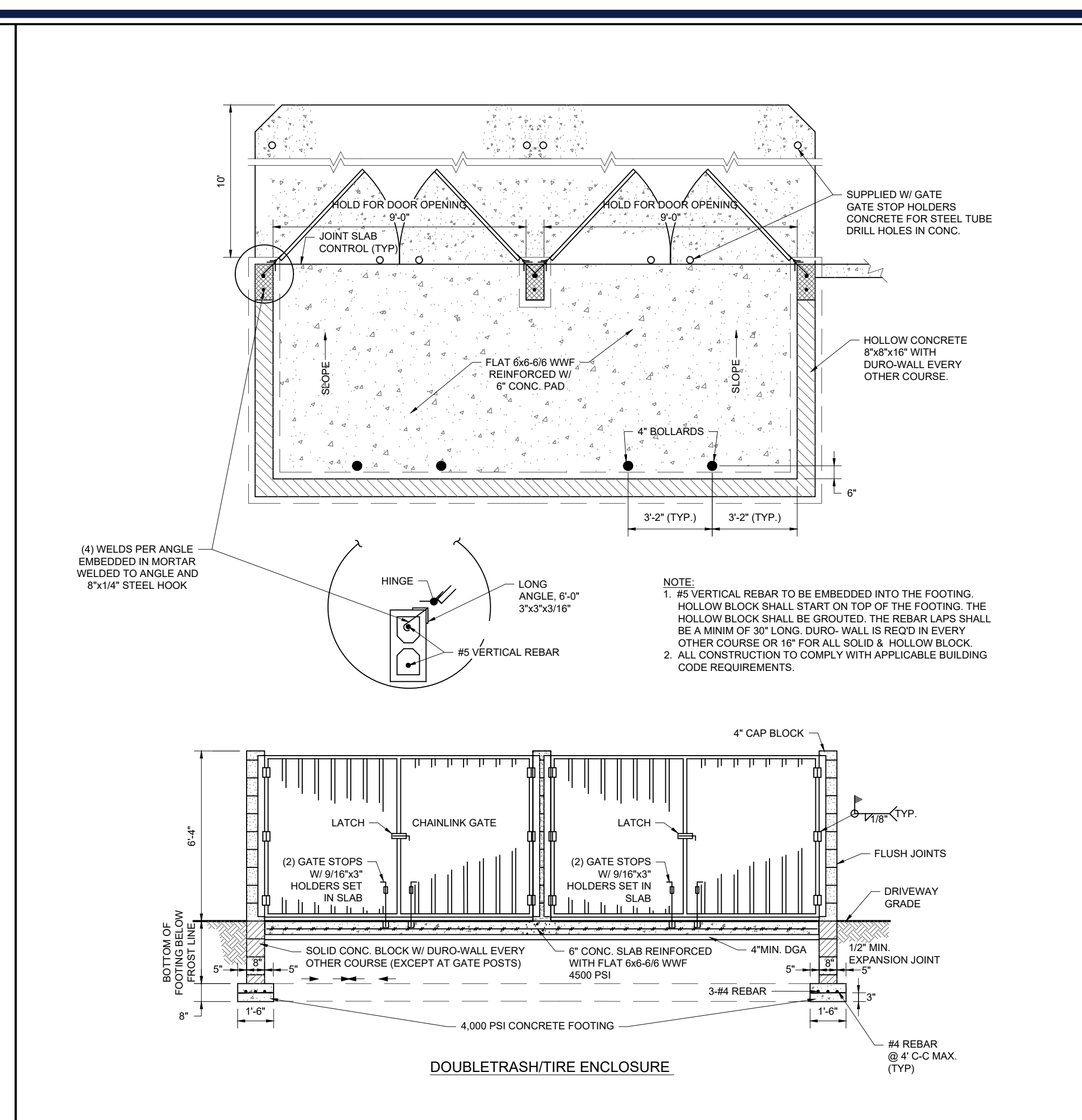


PP #	MIN. STORAGE BED DEPTH	UNDERDRAIN SIZE
7	12"	2-6"



PP #	MIN. STORAGE BED DEPTH	UNDERDRAIN SIZE
3	30"	NO UNDERDRAINS

PP #	MIN. STORAGE BED DEPTH	UNDERDRAIN SIZE
2	24"	2-3"
1	24"	6"
4	12"	6"
5	12"	6"
6	12"	6"



Steel Poles Square Straight

QUICK LINKS: Ordering Guide, Configurations, Dimensions, EPA

FEATURES & SPECIFICATIONS: Pole Shaft (4\", 5\", 6\" square), Ground Fault Circuit Interrupter (self-testing), Pole Vibration Damper (optional), Hand-Hole (12\" above pole base), Base (ASTM-A36 hot-rolled steel), Anchor Bolts (ASTM F 1554-07a), Ground Lug (standard), Duplex Receptacle (optional).

NOTE: CONTRACTOR TO COORDINATE LIGHT POLE SPECIFICS W/ MANUFACTURER LIGHT POLE COLOR TO MATCH FIXTURE: BRONZE

4 TRUNCATED DOME PATTERN DETAIL
NOT TO SCALE (S070117-01/2013)

5 LIGHT POLE FOUNDATION DETAIL
NOT TO SCALE (I020101_04/2019)(MODIFIED)

6 LIGHT POLE SPECIFICATION
NOT TO SCALE (SOURCE: LSI INDUSTRIES)

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5	09/18/2023	REV. PER COUNTY ROW IMPROVEMENTS	MAJ/TW
6	11/07/2023	REV. PER TOWNSHIP COMMENTS	MAJ

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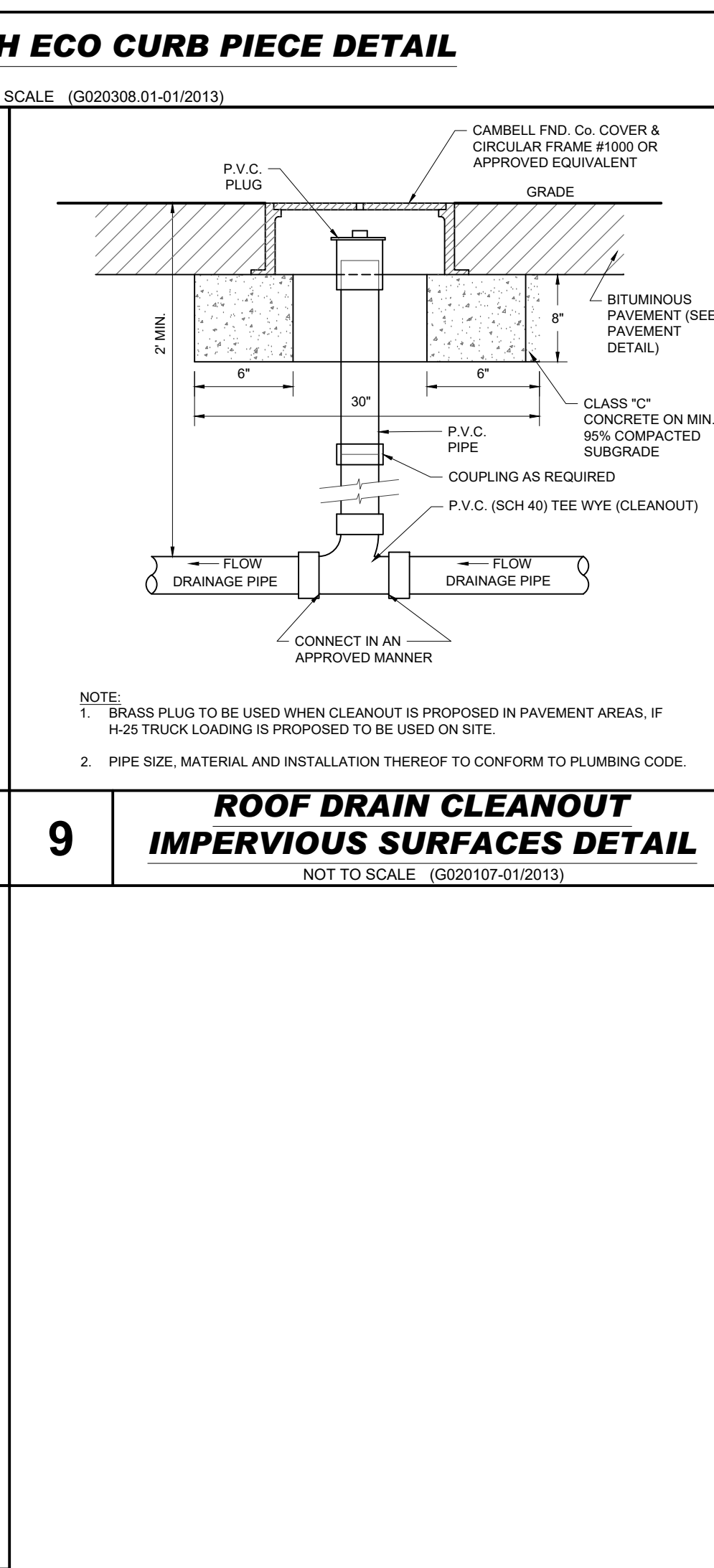
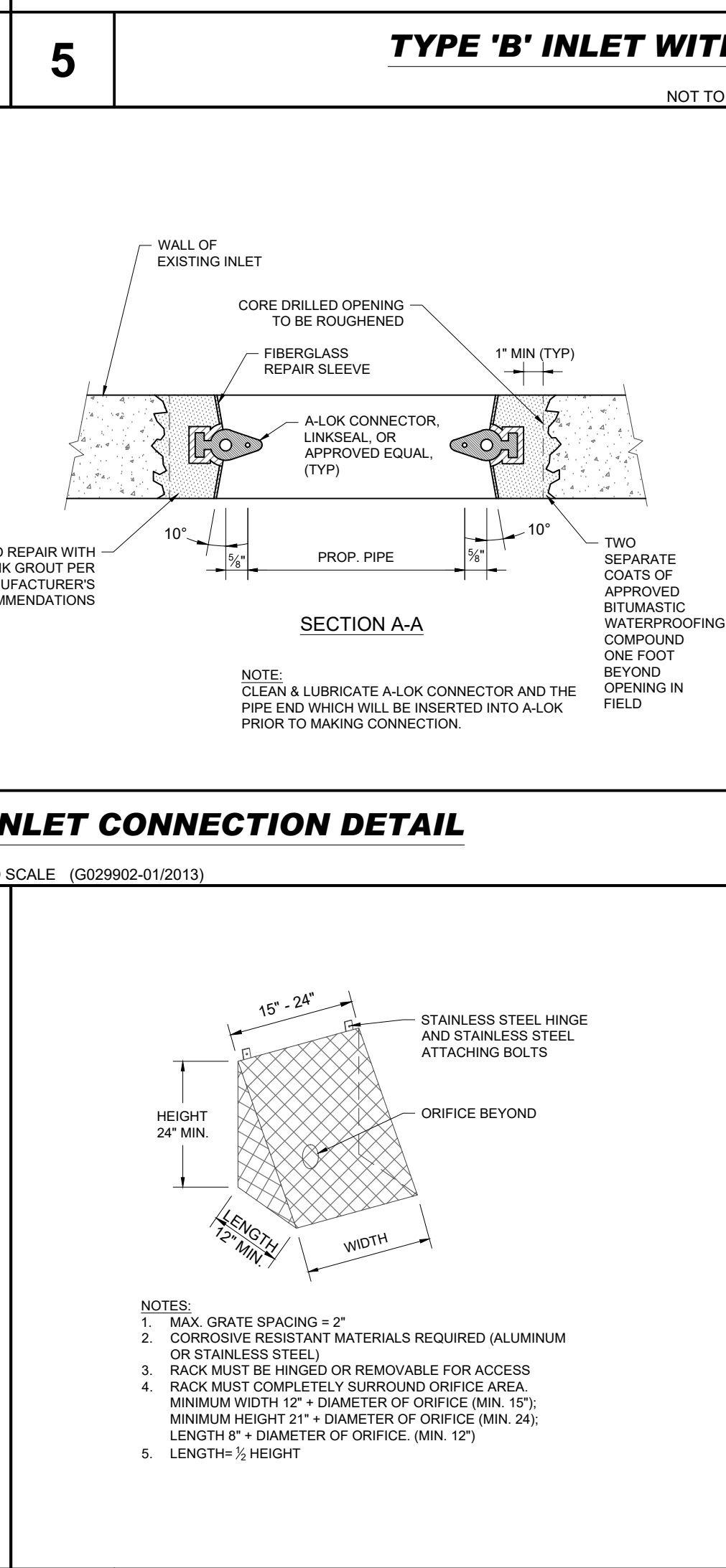
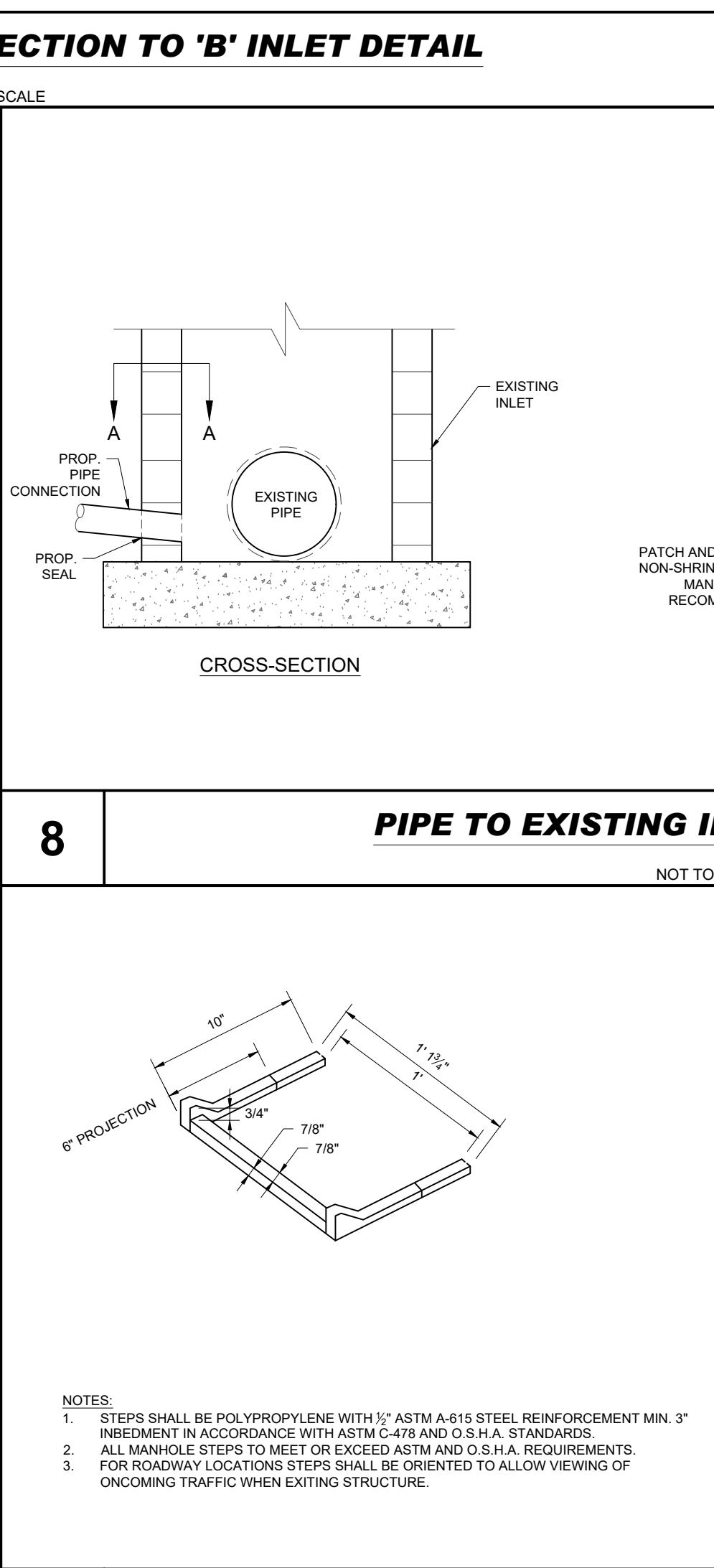
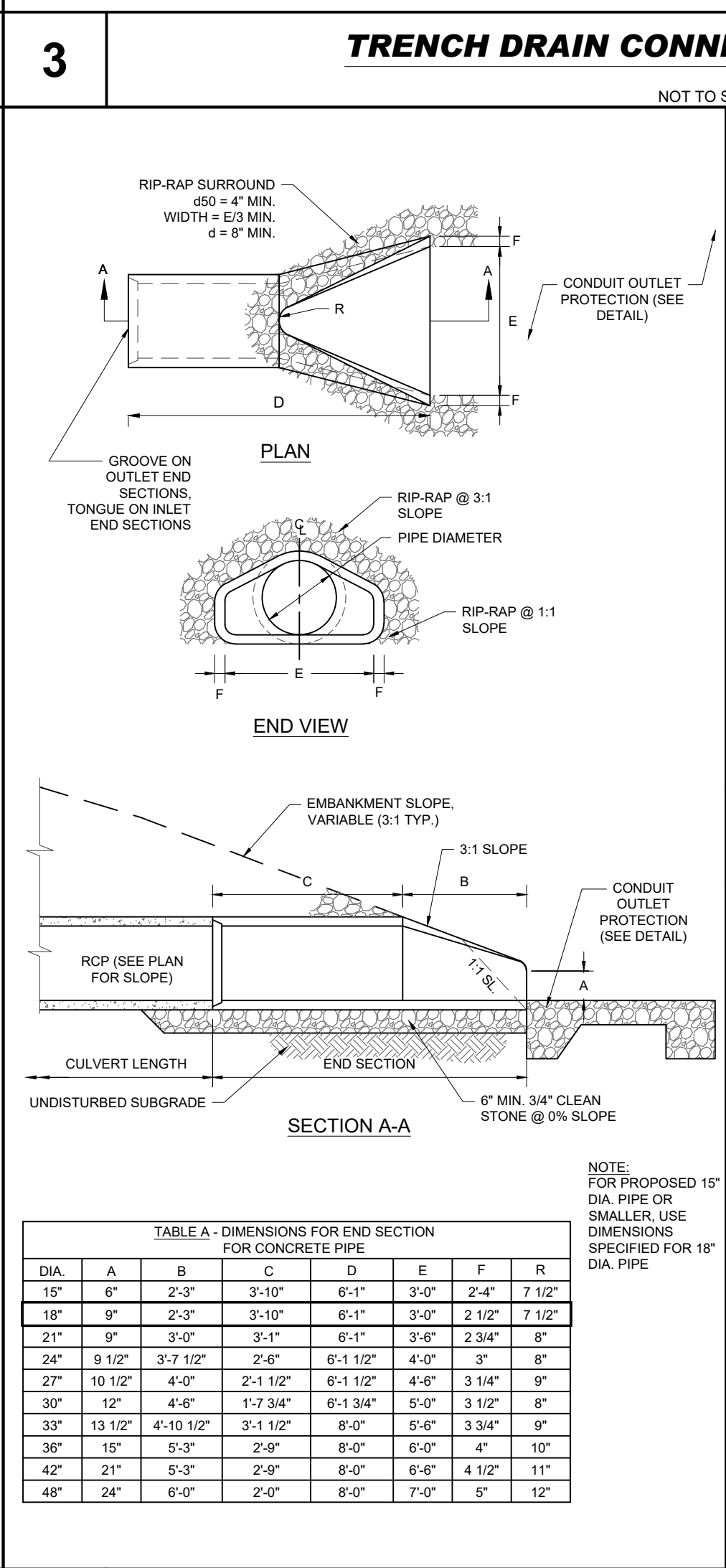
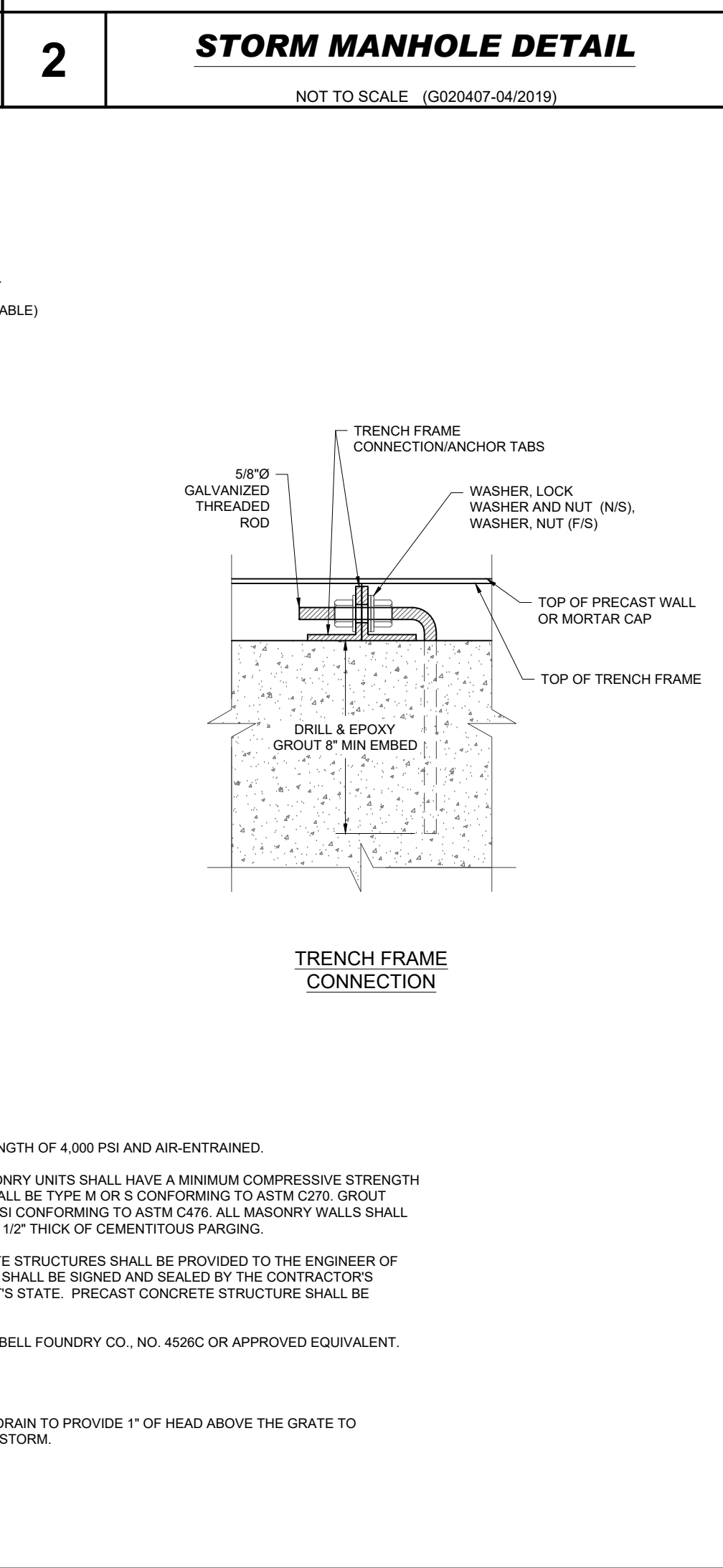
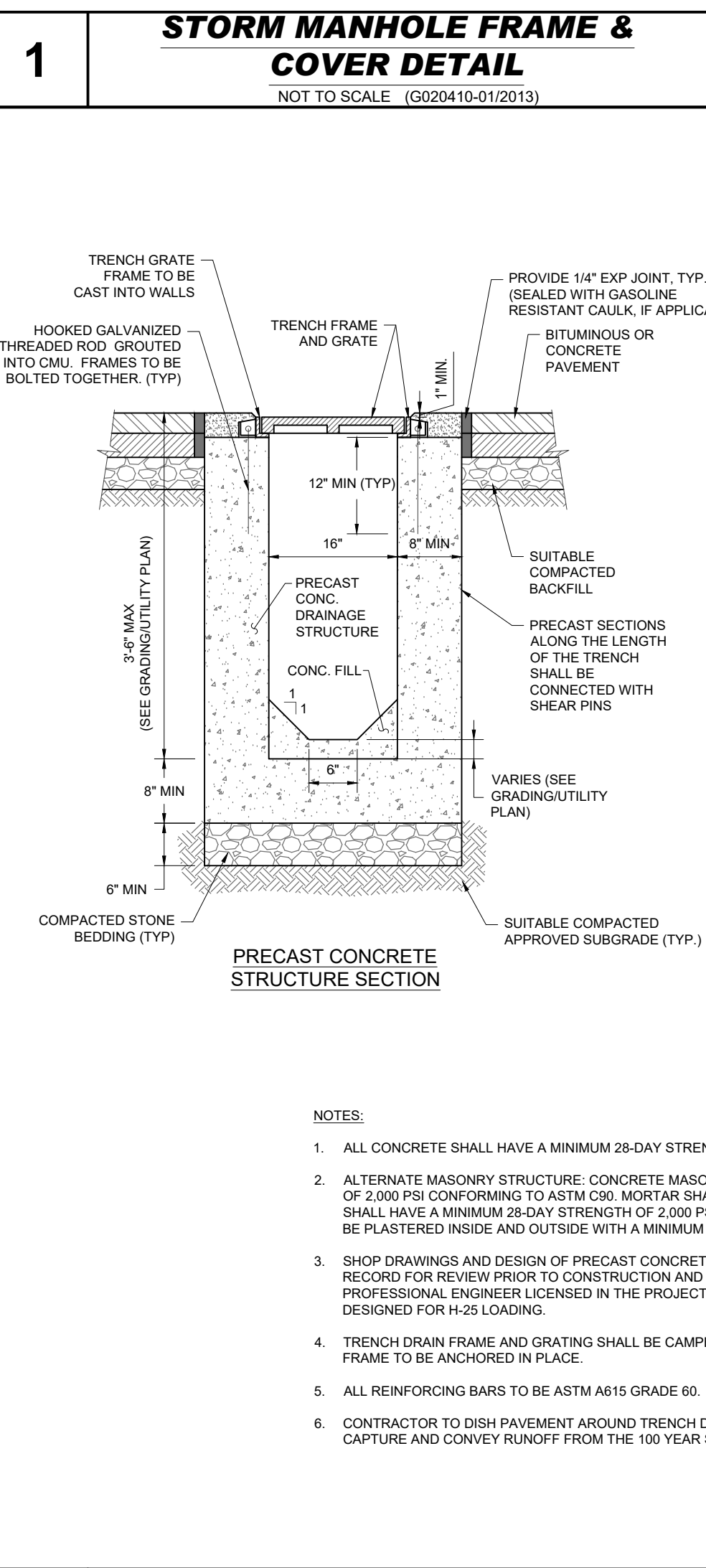
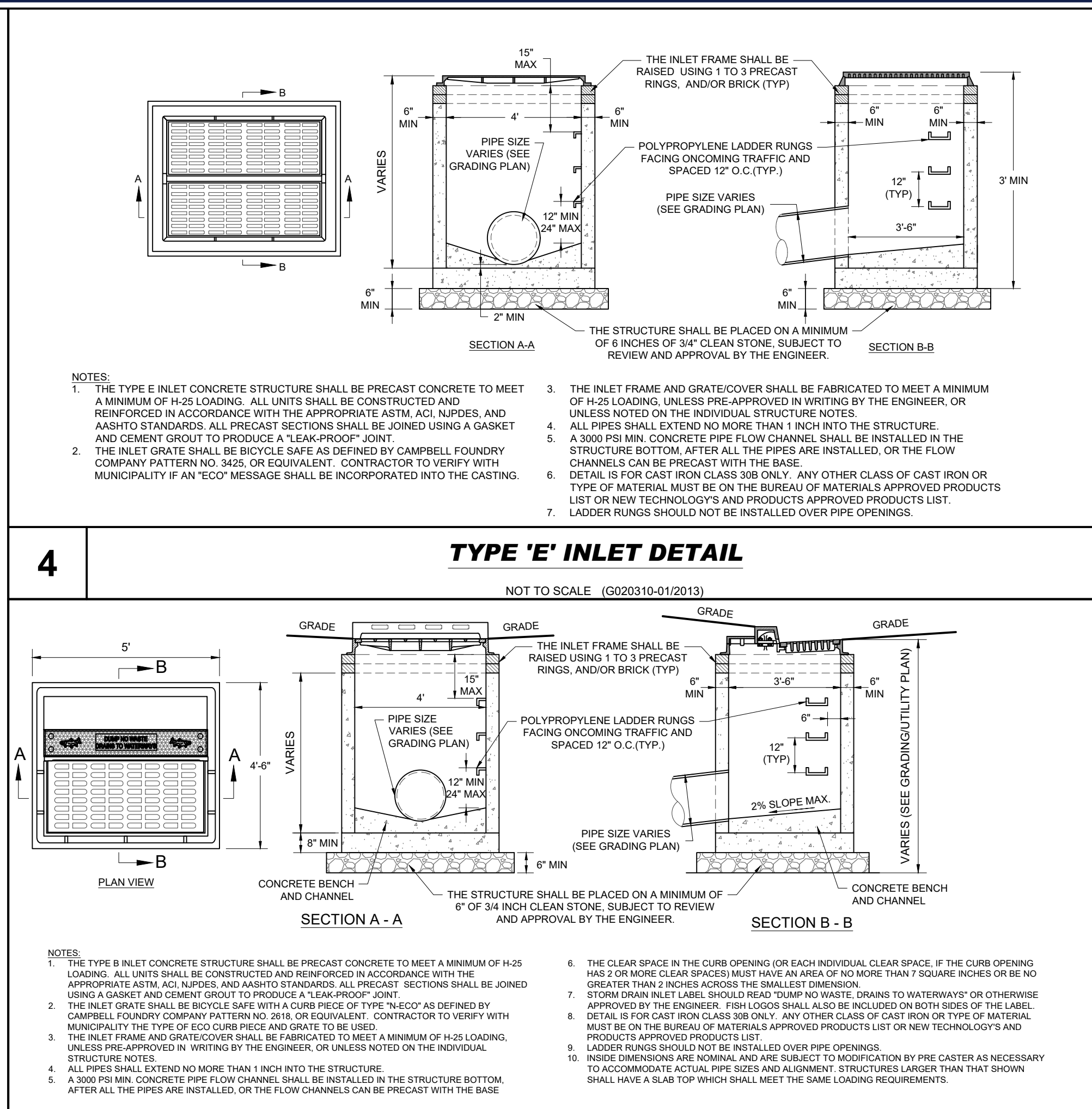
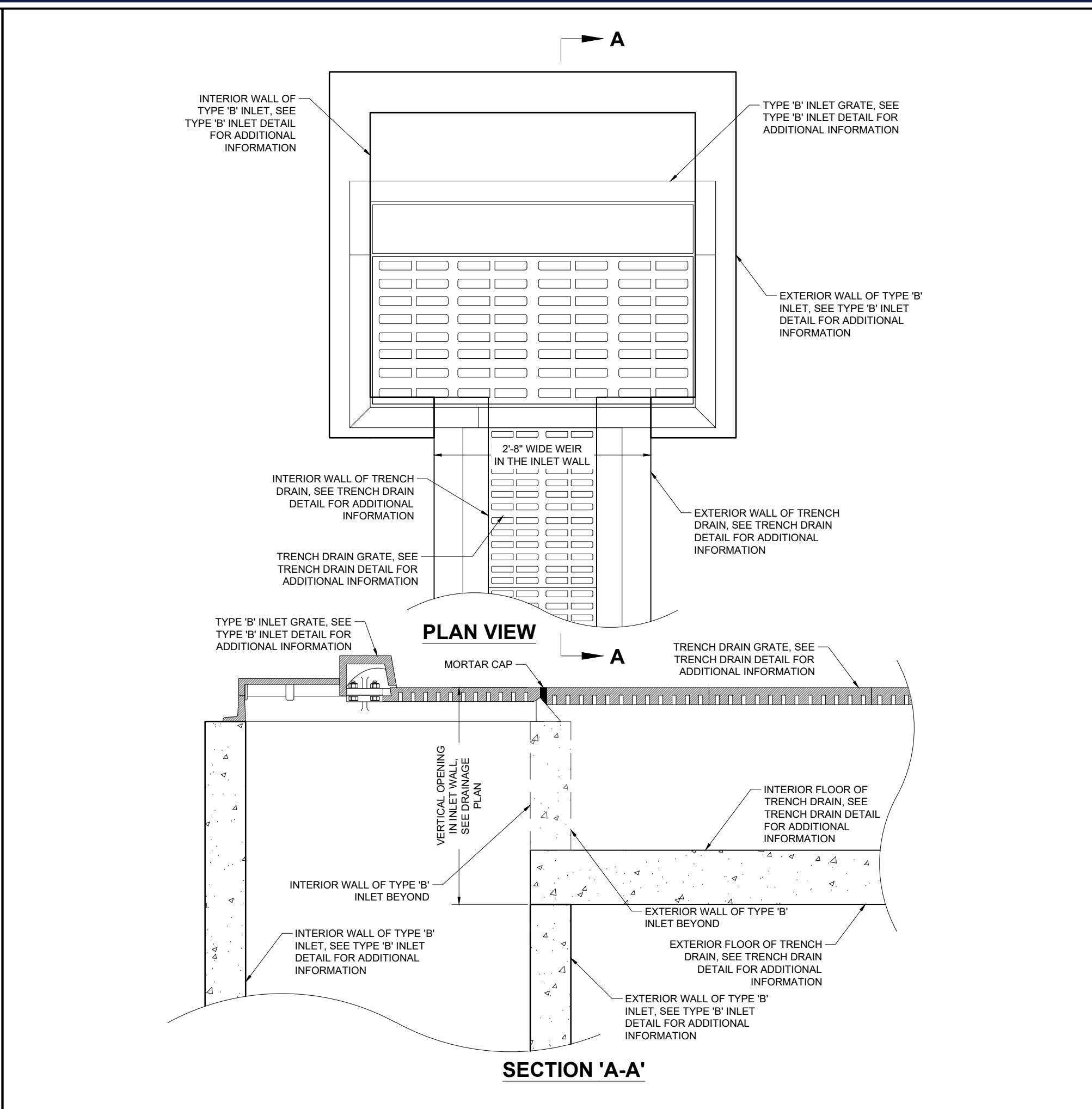
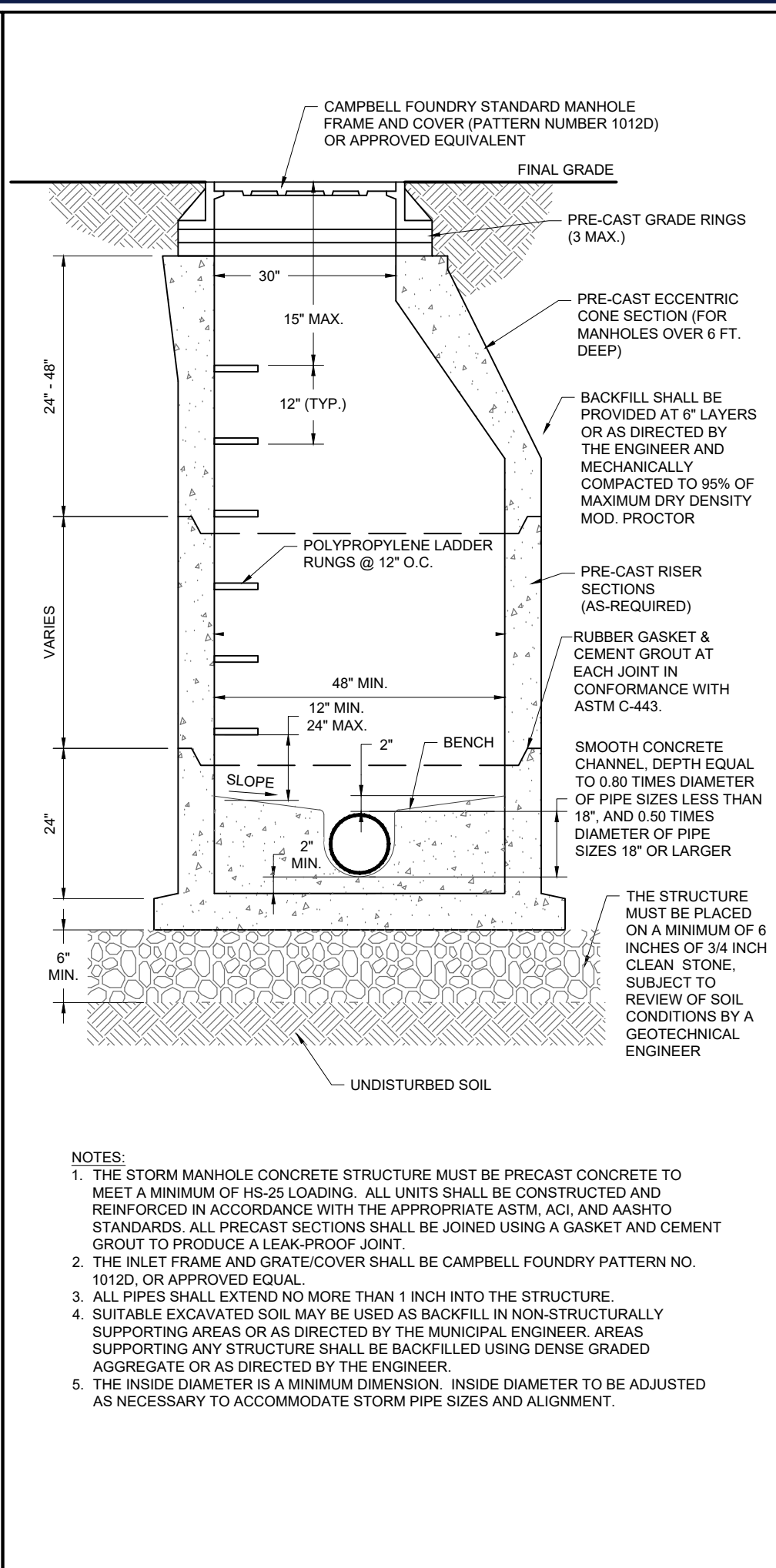
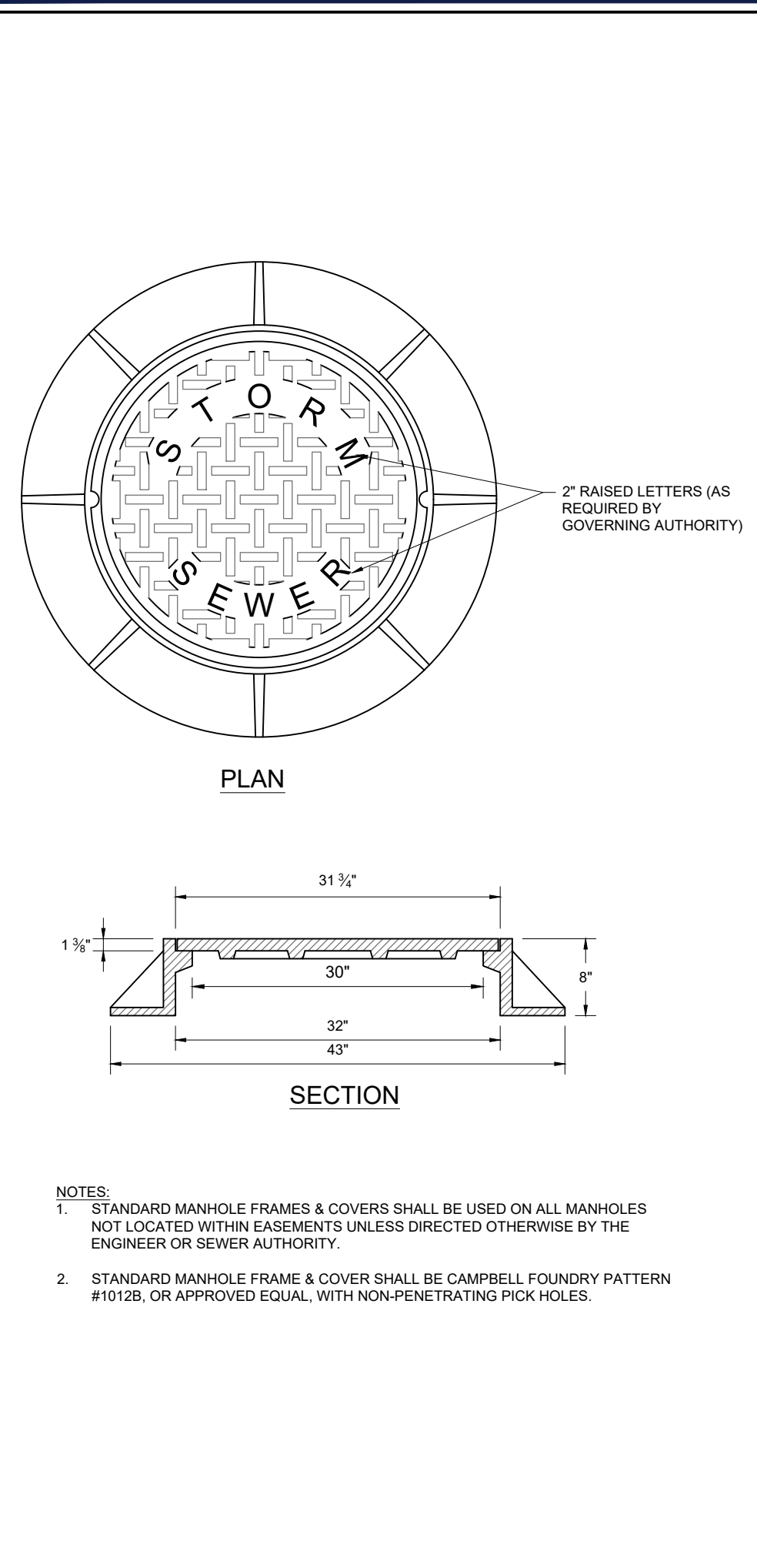
PROJECT No.: J190844
DRAWN BY: CPR
CHECKED BY: TXL
DATE: 11/04/2021
CAD ID: J190844-COVR-6A

PRELIMINARY & FINAL MAJOR SITE PLAN & PRELIMINARY & FINAL MAJOR SUBDIVISION PLAN
FOR
ER/UDC WEST WINDSOR LLC
PROPOSED QUICKCHECK FOOD STORE WITH FUEL SALES AND RESTAURANT WITH DRIVE-THRU
MAP: 23.03 | BLK: 47 | LOTS: 2-6
332-340 HIGHTSTOWN ROAD AND 125 SOUTHWEST ROAD
TOWNSHIP OF WEST WINDSOR MERCER COUNTY, NEW JERSEY

BOHLER ENGINEERING NJ, LLC
30 INDEPENDENCE BLVD., SUITE 200
WARREN, NJ 07059
Phone: (908) 665-6300
Fax: (908) 724-4401
www.BohlerEngineering.com
NJ CERT. OF AUTHORIZATION NO. 24GAS28161700 & M6000122

T. LAM
PROFESSIONAL ENGINEER
NEW JERSEY LICENSE NO. 47862
NEW YORK LICENSE NO. 0292942
CONNECTICUT LICENSE NO. 36024
PENNSYLVANIA LICENSE NO. 76748

DETAIL SHEET C
SHEET NUMBER: **C-903**
REVISION 6 - 11/07/2023



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MERCER COUNTY, NEW JERSEY

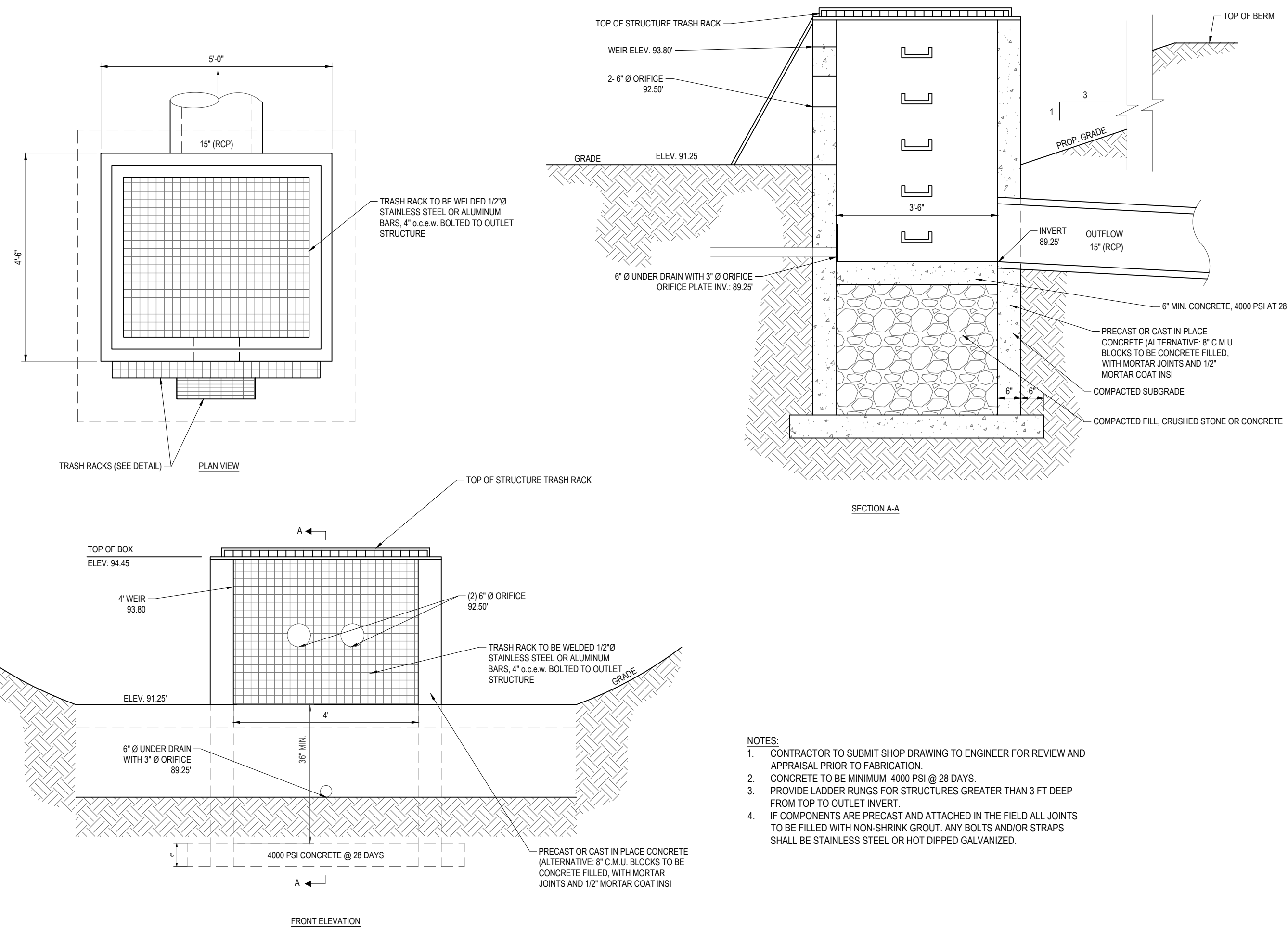
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DETAIL SHEET D

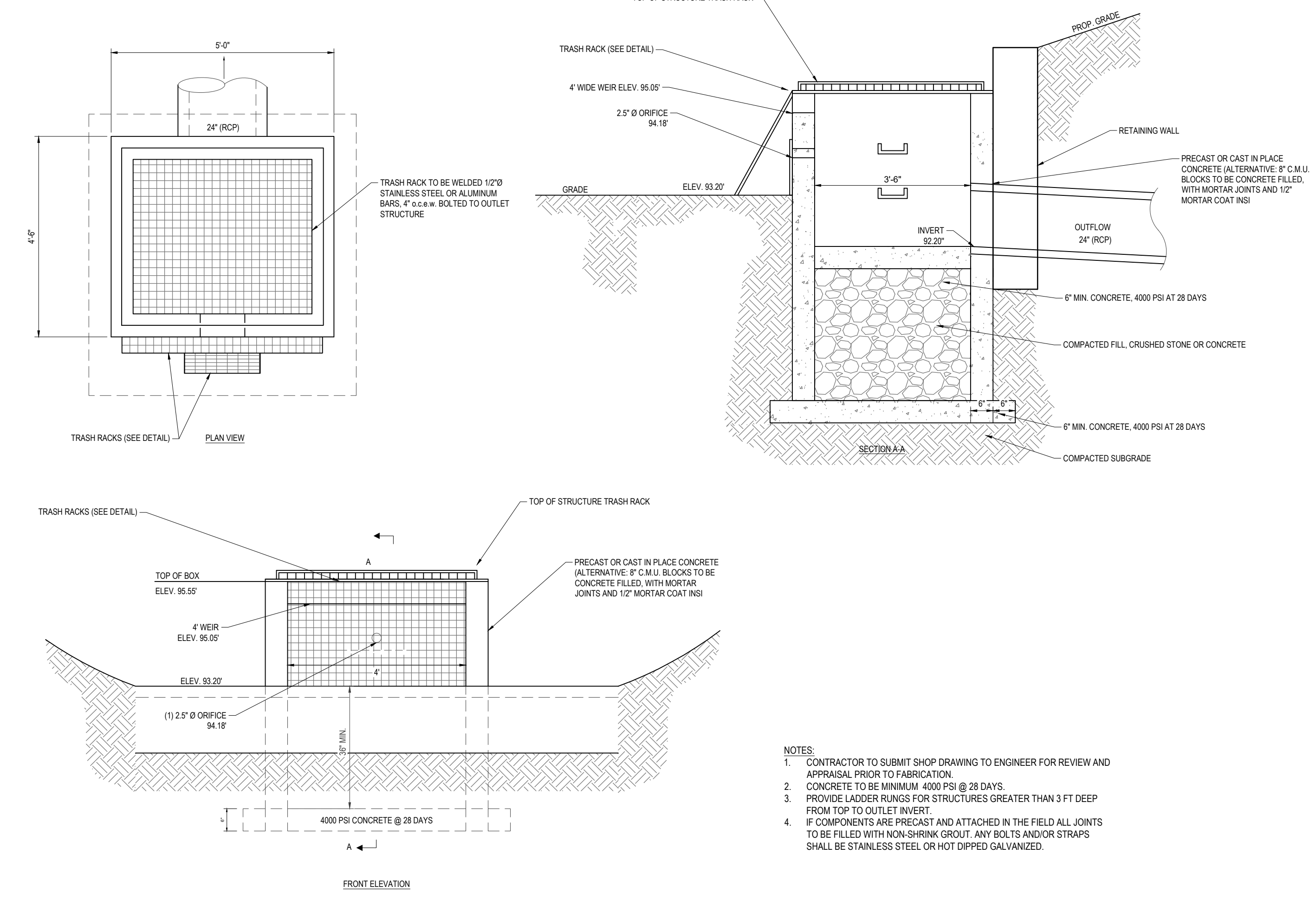
SHEET NUMBER:
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REVISION 6 - 11/07/2023



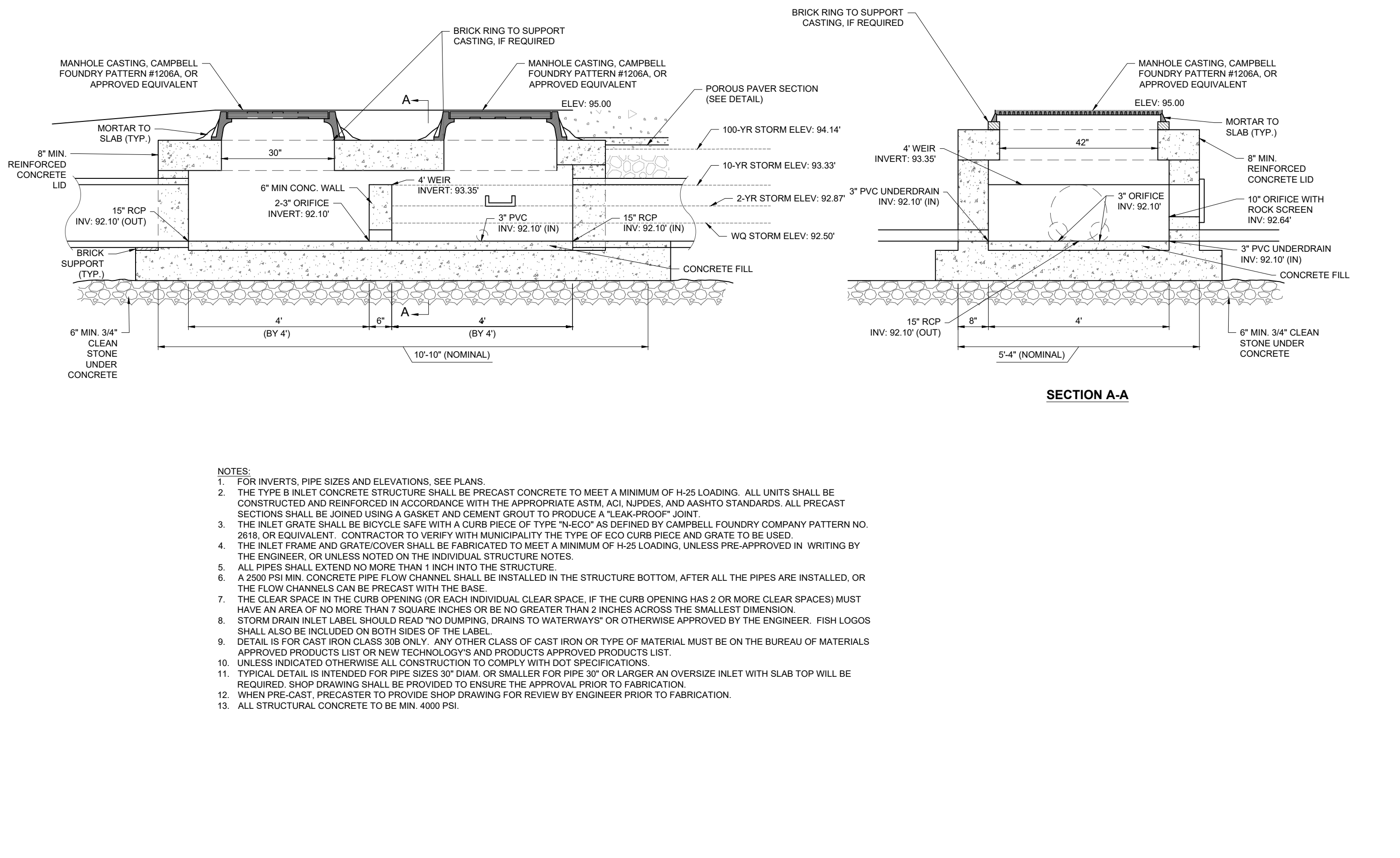
1 **OUTLET STRUCTURE #130 - BIO-RETENTION BASIN #1**

SCALE: 1"=2' (G00000000)



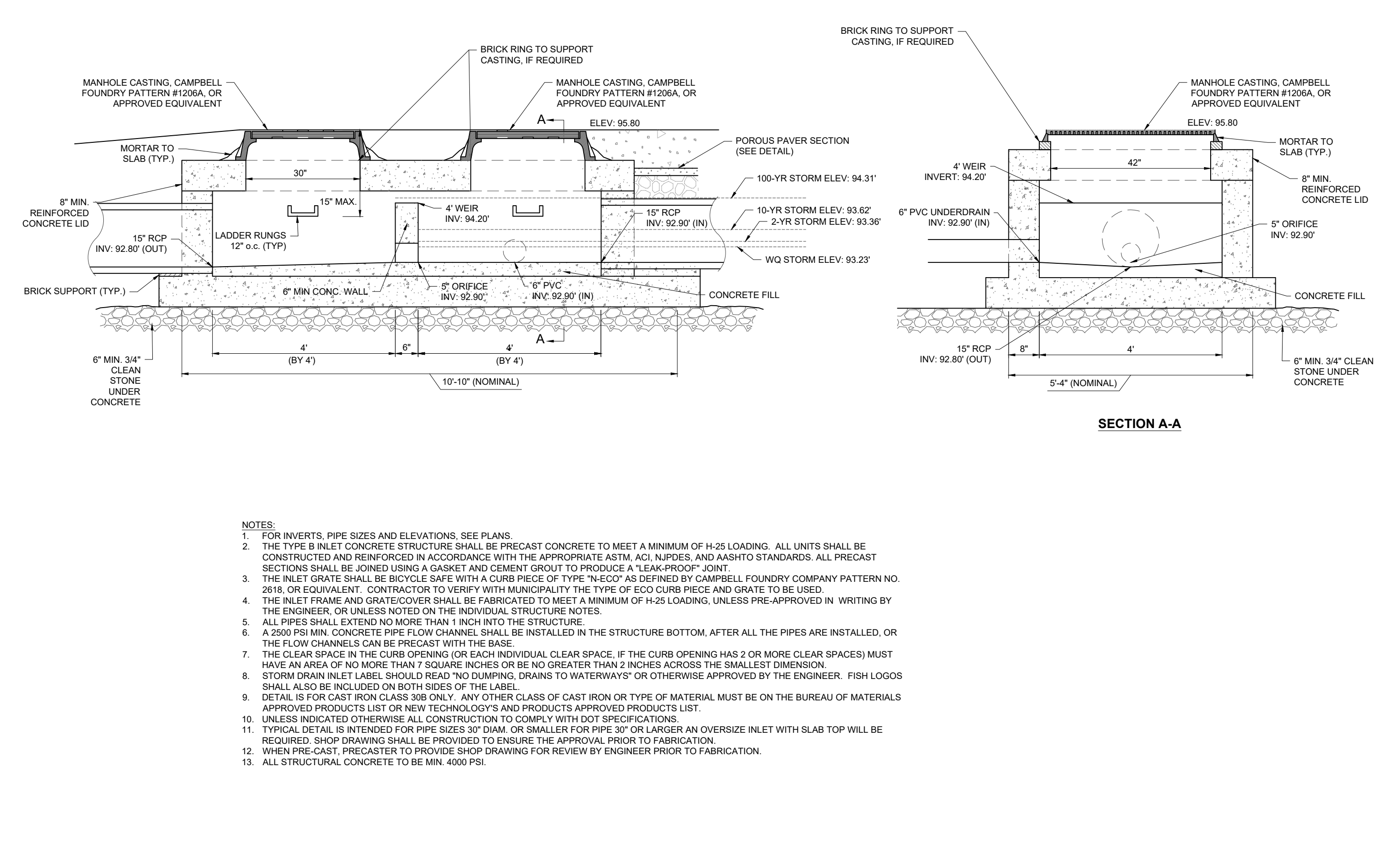
2 **OUTLET STRUCTURE #411 - BIO RETENTION BASIN 2**

SCALE: 1"=2' (G00000000)



3 **OUTLET STRUCTURE #700 DETAIL (POROUS PAVER AREA #1)**

SCALE: 1"=2' (G020502.02 - 9/2016)



4 **OUTLET STRUCTURE #640 DETAIL (POROUS PAVER AREA #2)**

SCALE: 1"=2' (G020502.02 - 9/2016)



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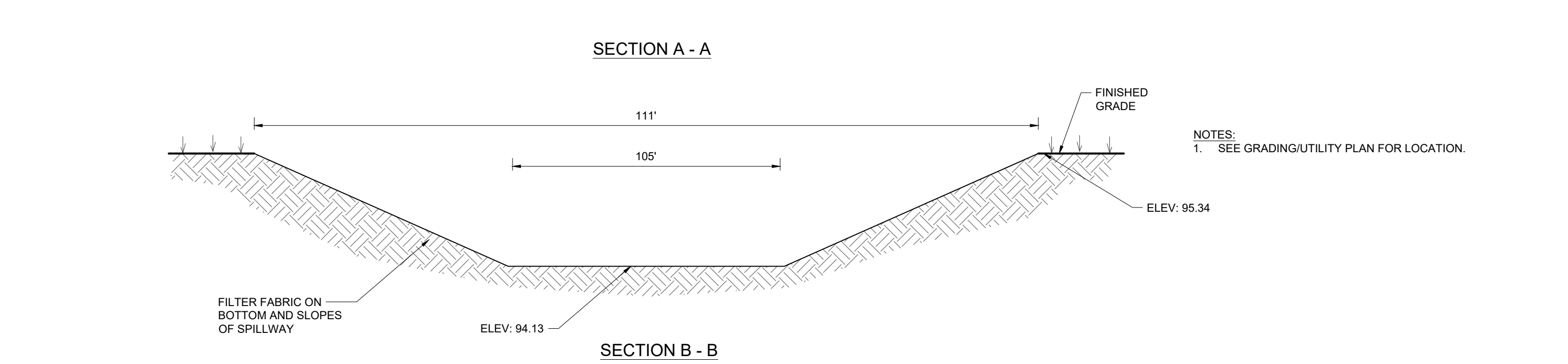
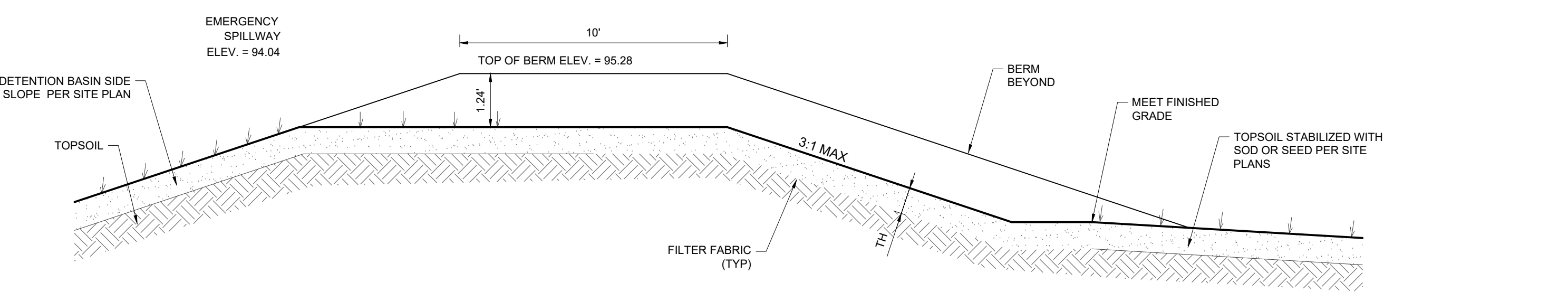
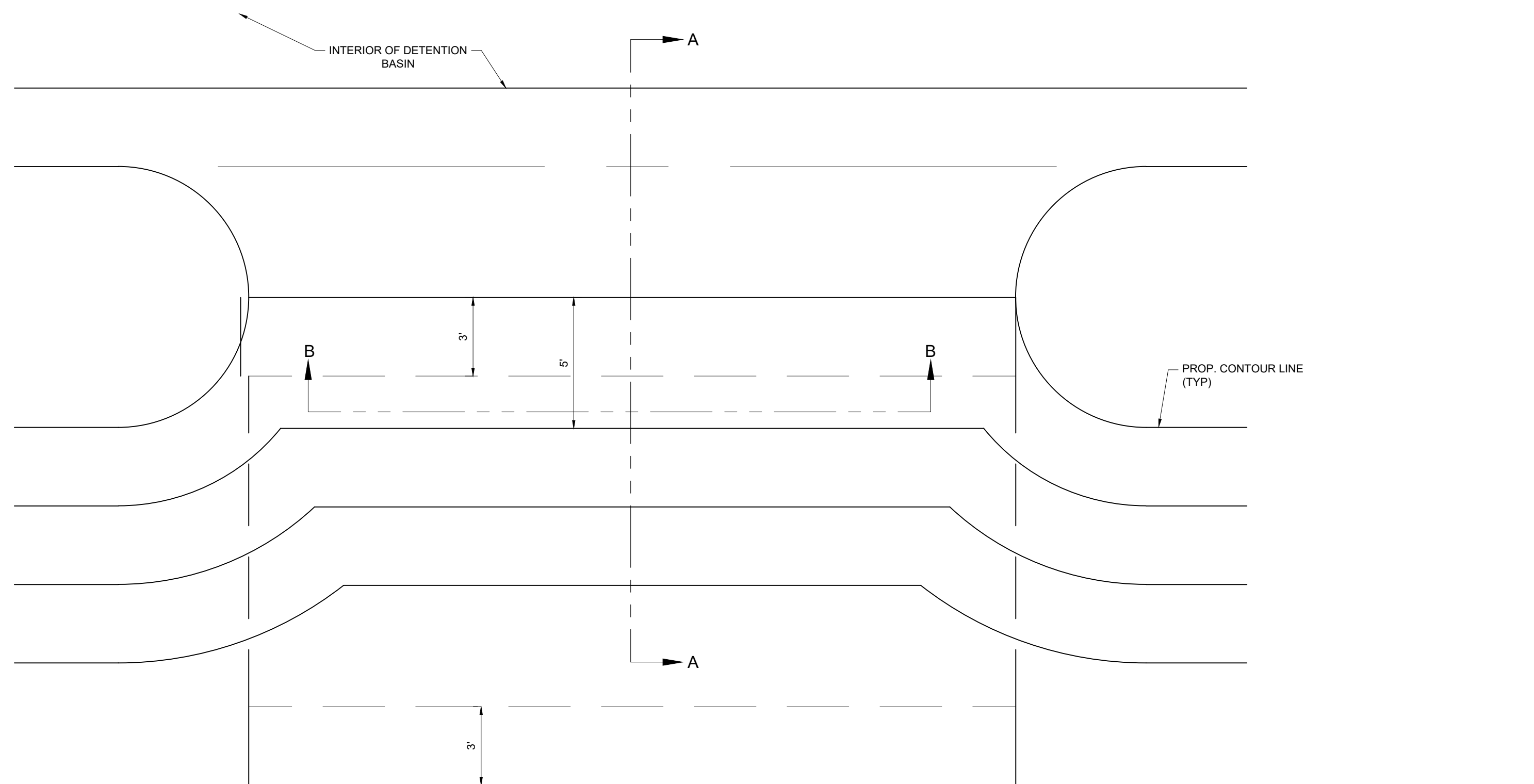
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FOR
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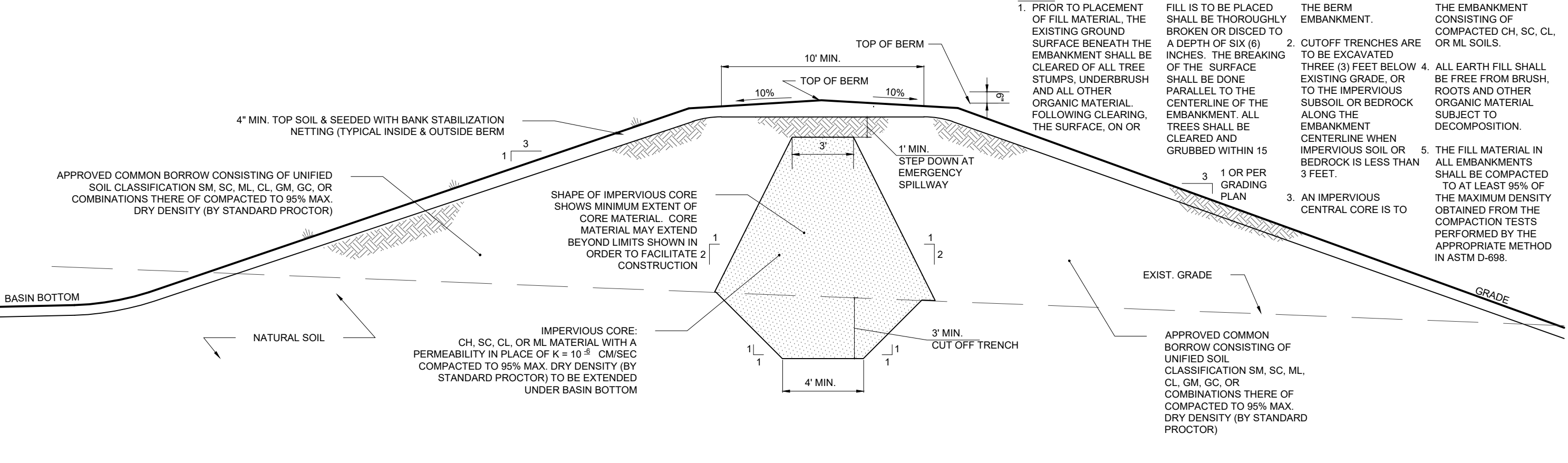
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DETAIL SHEET E
SHEET NUMBER:
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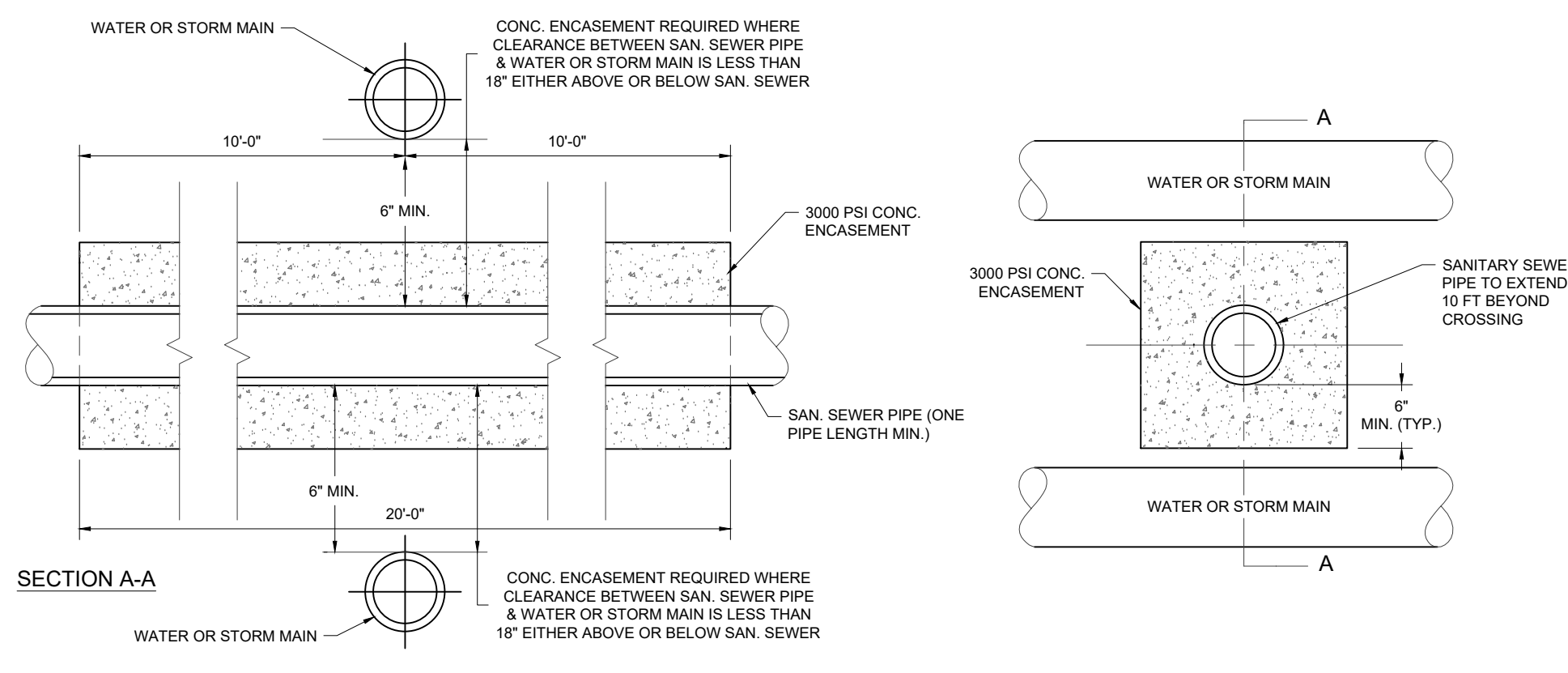
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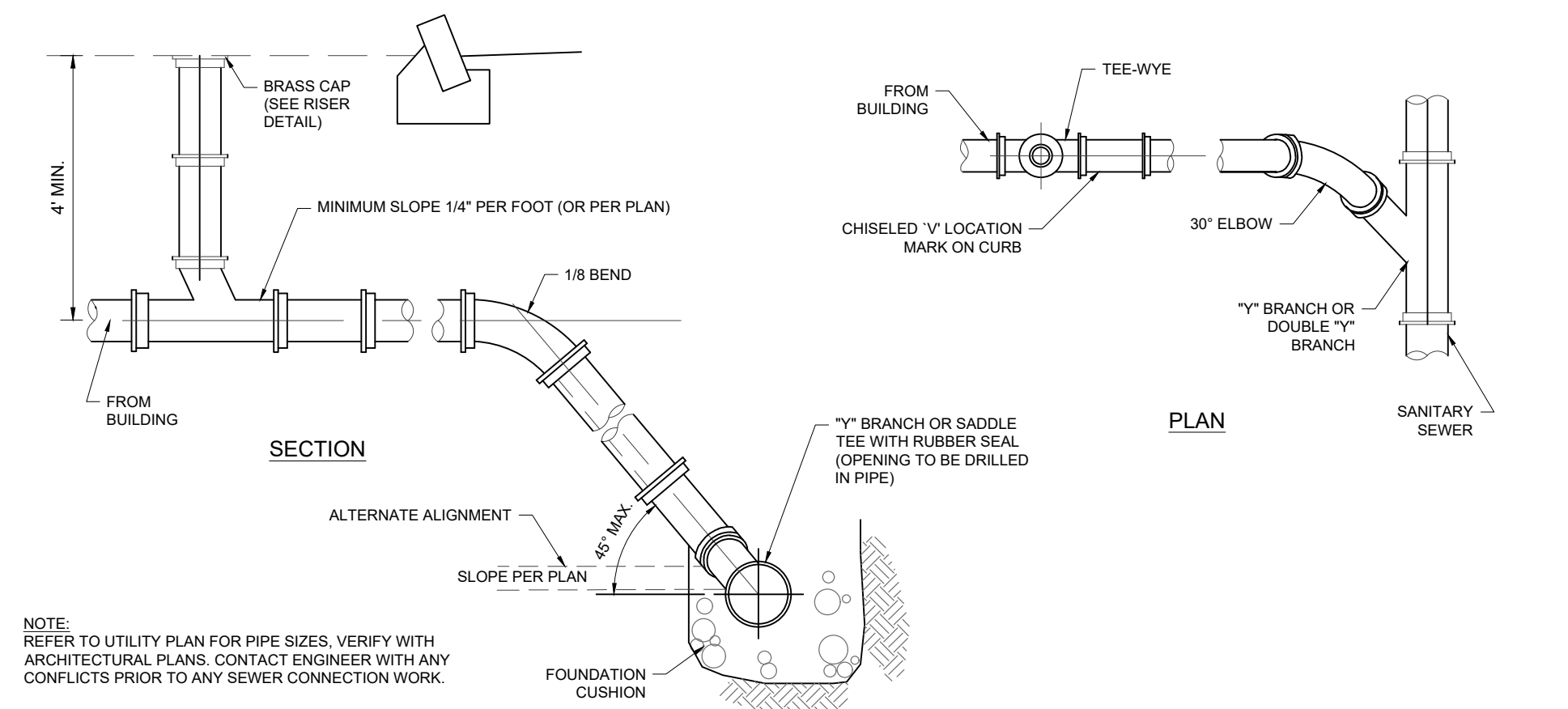
1 EMERGENCY SPILLWAY DETAIL
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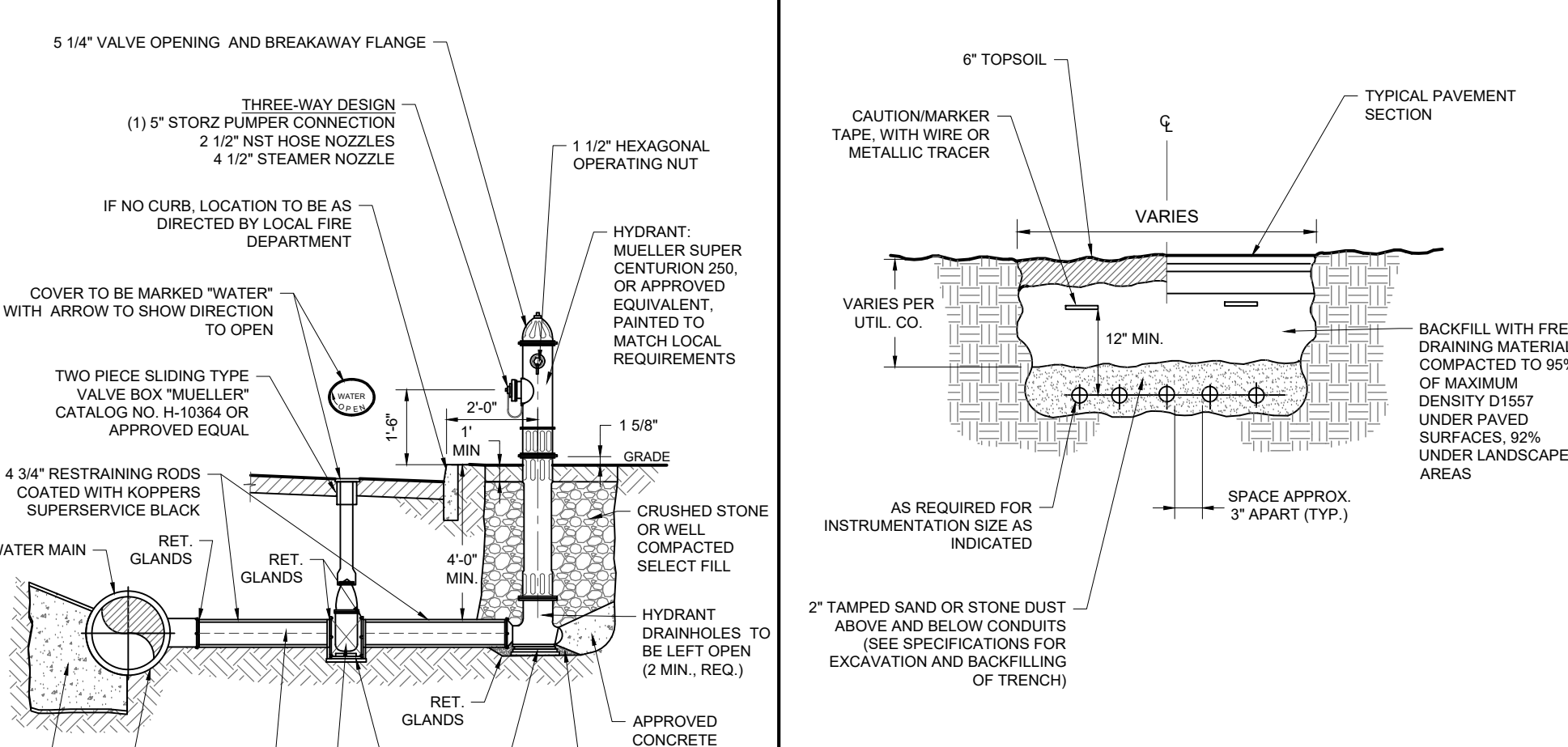
8 BASIN BERM WITH IMPERVIOUS CORE DETAIL
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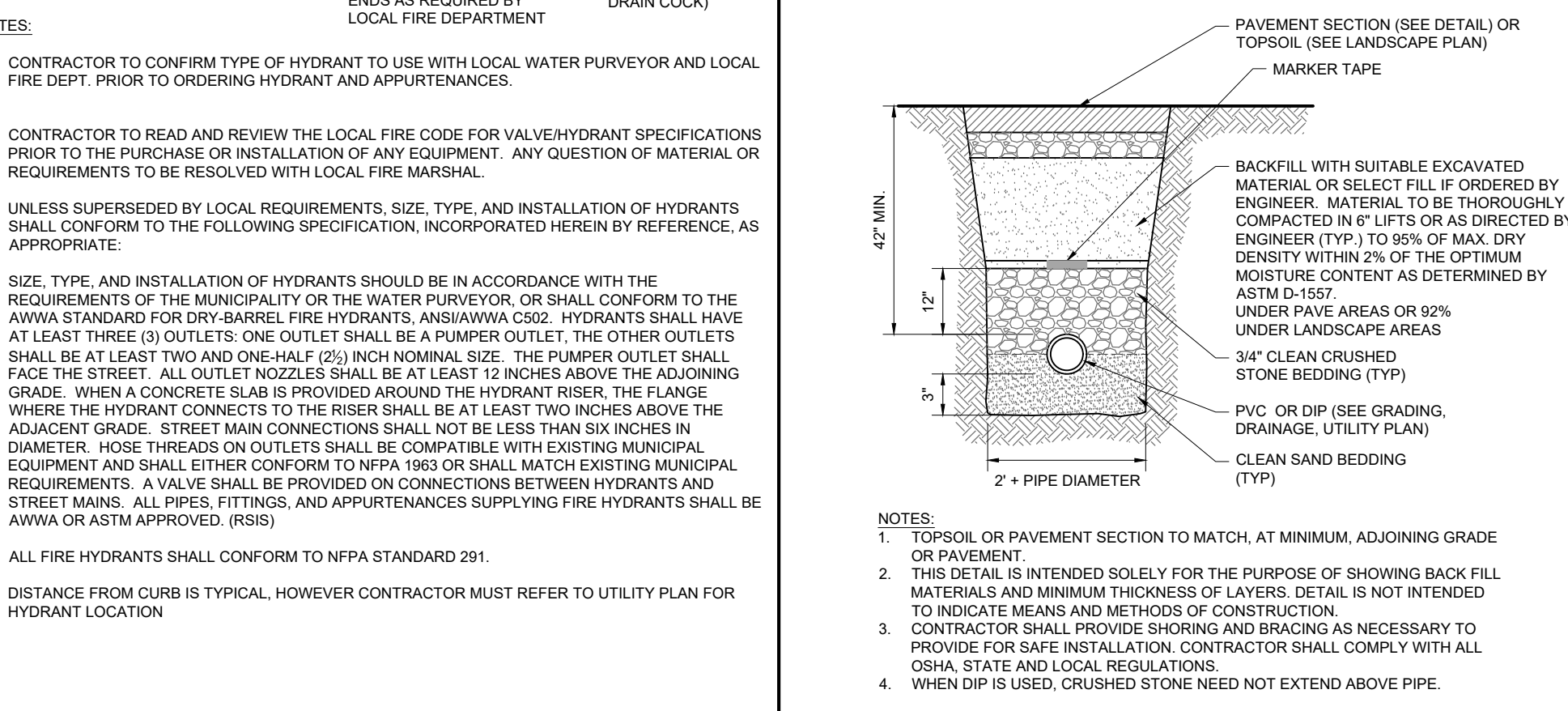
2 CONCRETE ENCASEMENT DETAIL
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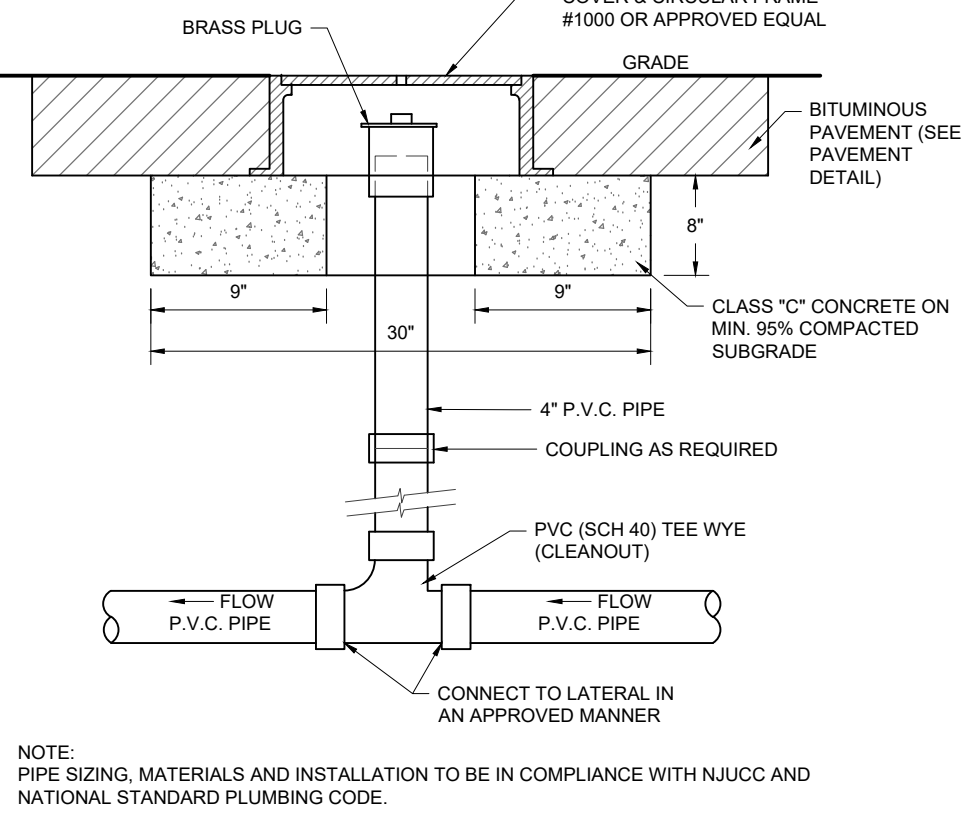
3 SEWER CLEANOUT WITHIN PAVED AREA DETAIL
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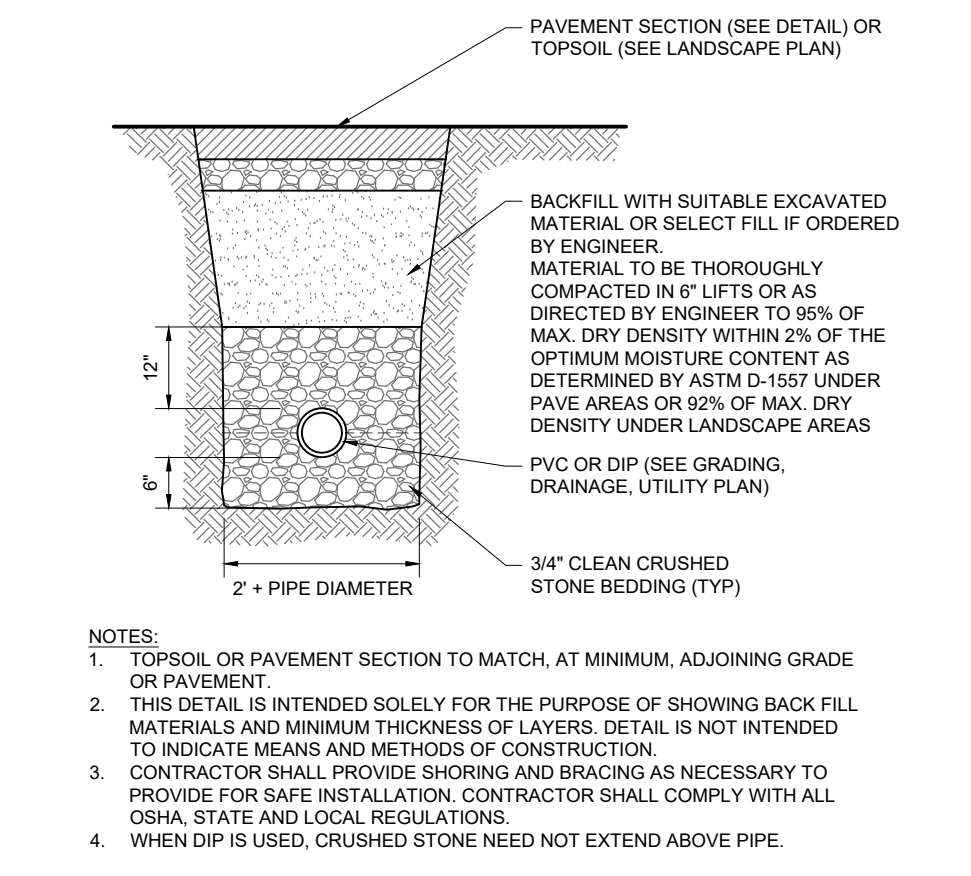
4 STANDARD CONNECTION DETAIL
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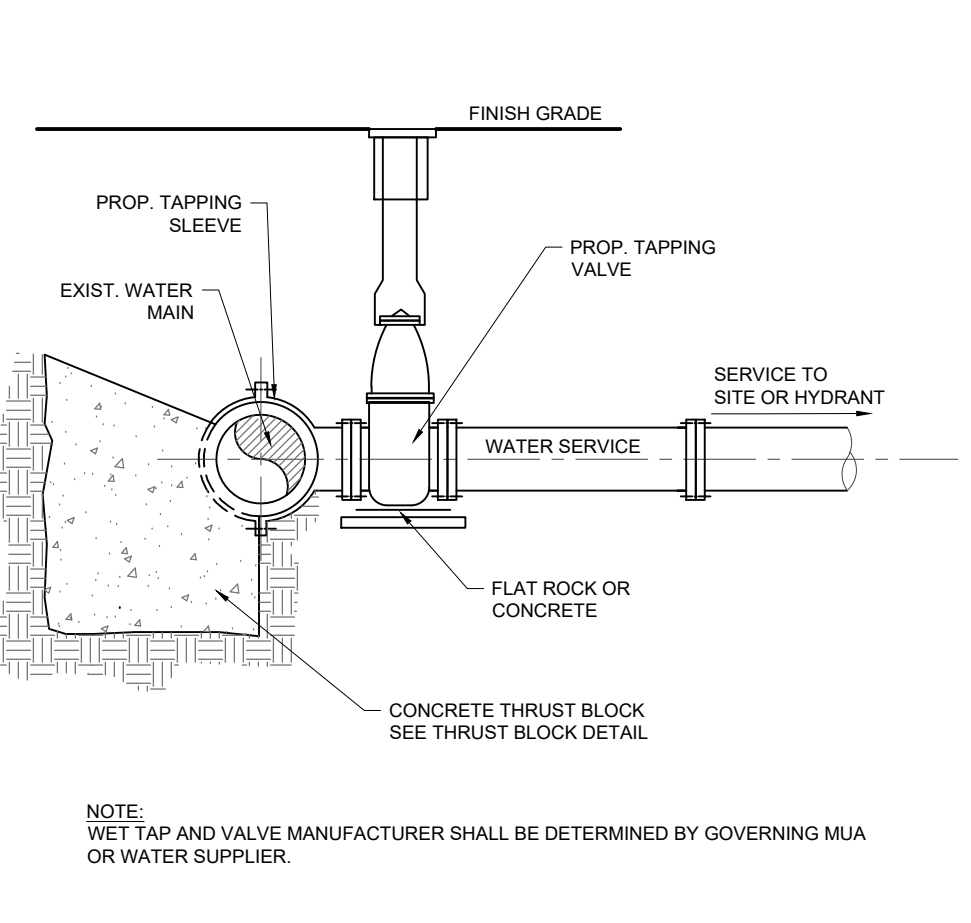
6 UNDERGROUND UTILITY CONDUIT DETAIL
NOT TO SCALE (U039903-01/2013)



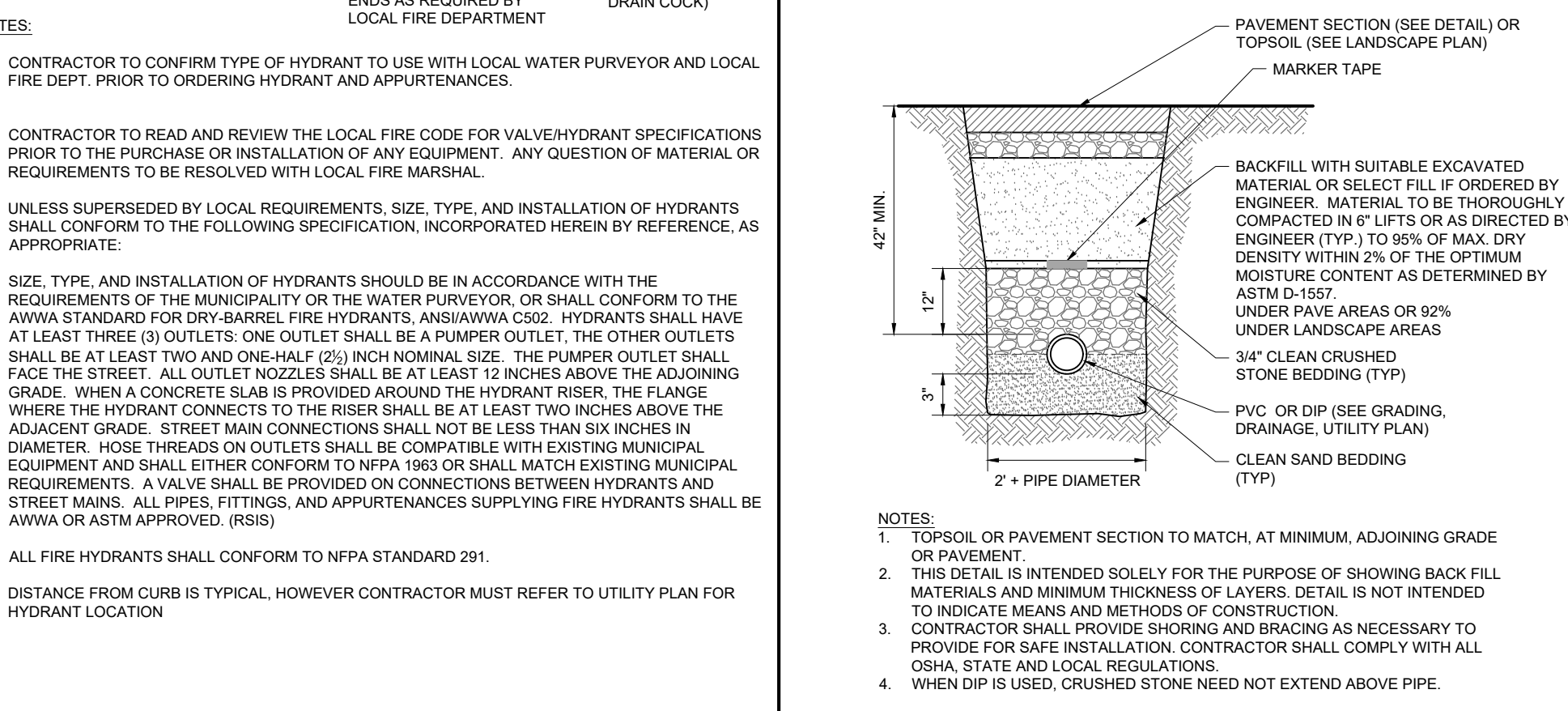
3 SEWER CLEANOUT WITHIN PAVED AREA DETAIL
NOT TO SCALE (U030101-01/2013)



5 SANITARY TRENCH DETAIL
NOT TO SCALE (U039908-04/2019)



7 WET TAP DETAIL
NOT TO SCALE (U049907-01/2013)



9 FIRE HYDRANT DETAIL
NOT TO SCALE (U049901-01/2017)



10 WATER PIPE INSTALLATION DETAIL
NOT TO SCALE (U049910-04/2019)

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PROJECT:
PRELIMINARY & FINAL MAJOR SITE PLAN & PRELIMINARY & FINAL MAJOR SUBDIVISION PLAN
FOR
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PROPOSED QUICKCHEK FOOD STORE WITH FUEL SALES AND RESTAURANT WITH DRIVE-THRU
MAP: 23.03 | BLK: 47 | LOTS: 2-6
332-340 HIGHTSTOWN ROAD AND 125 SOUTHWEST ROAD
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NEW YORK LICENSE No. 0292942
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DETAIL SHEET H
SHEET NUMBER:
C-908
REVISION 6 - 11/07/2023

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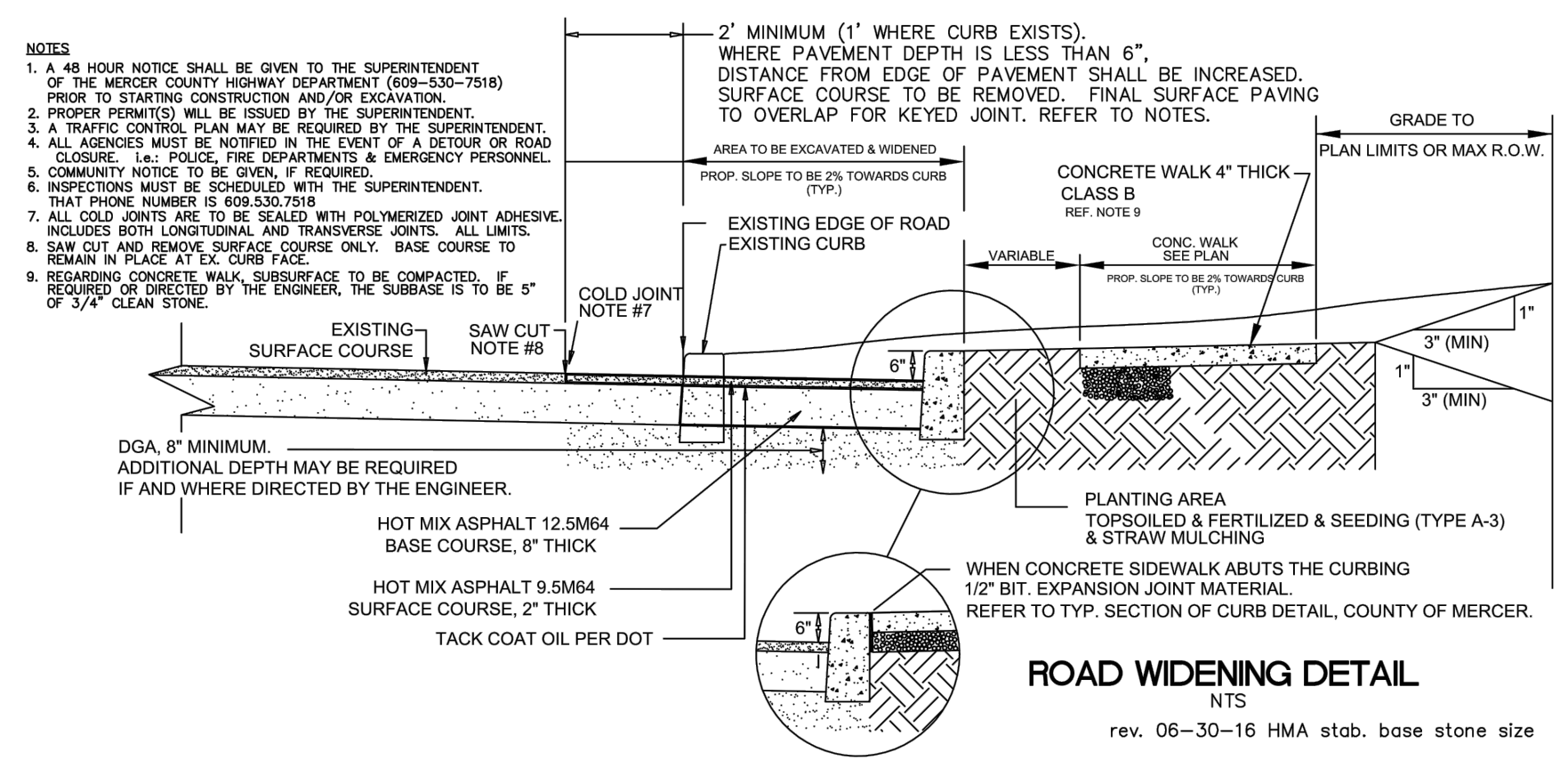
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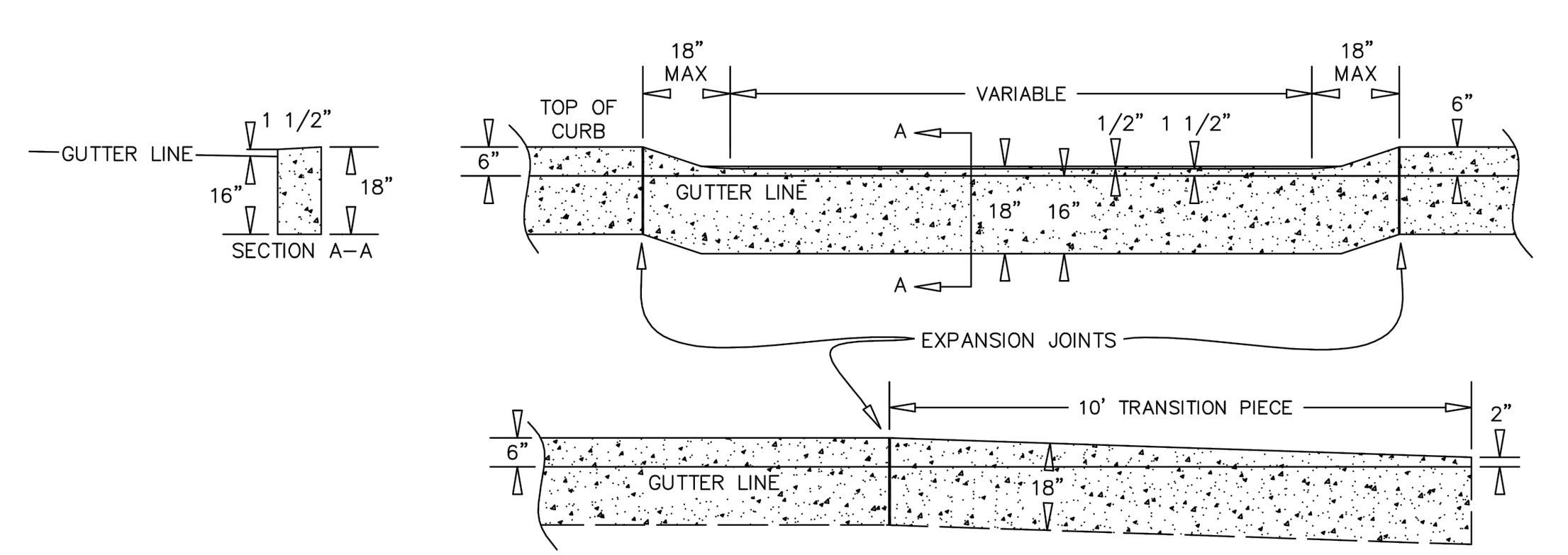
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C-909

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NOTES:
 1. A 48 HOUR NOTICE SHALL BE GIVEN TO THE SUPERINTENDENT OF THE MERCER COUNTY HIGHWAY DEPARTMENT (609-530-7510) PRIOR TO STARTING CONSTRUCTION AND/OR EXCAVATION.
 2. PROPER PERMITS WILL BE ISSUED BY THE SUPERINTENDENT.
 3. A TRAFFIC CONTROL PLAN MAY BE REQUIRED BY THE SUPERINTENDENT.
 4. ALL AGENCIES MUST BE NOTIFIED IN THE EVENT OF A DETOUR OR ROAD CLOSURE. SEE PLAN FOR DEPARTMENTS & EMERGENCY PERSONNEL.
 5. COMMUNITY NOTICE TO BE GIVEN AS REQUIRED BY THE SUPERINTENDENT.
 6. INSPECTIONS MUST BE SCHEDULED WITH THE SUPERINTENDENT. THAT PHONE NUMBER IS 609-530-7510.
 7. ALL COLD JOINTS ARE TO BE SEALED WITH POLYMERIZED JOINT ADHESIVE. INCLUDES BOTH LONGITUDINAL AND TRANSVERSE JOINTS. ALL LIMITS.
 8. SAW CUT AND REMOVE SURFACE COURSE ONLY. BASE COURSE TO REMAIN IN PLACE AT EX CURB FACE.
 9. REGARDING CONCRETE WALK, SURFACE TO BE COMPACTED, IF REQUIRED OR DIRECTED BY THE ENGINEER. THE SURFACE IS TO BE 5\"/>

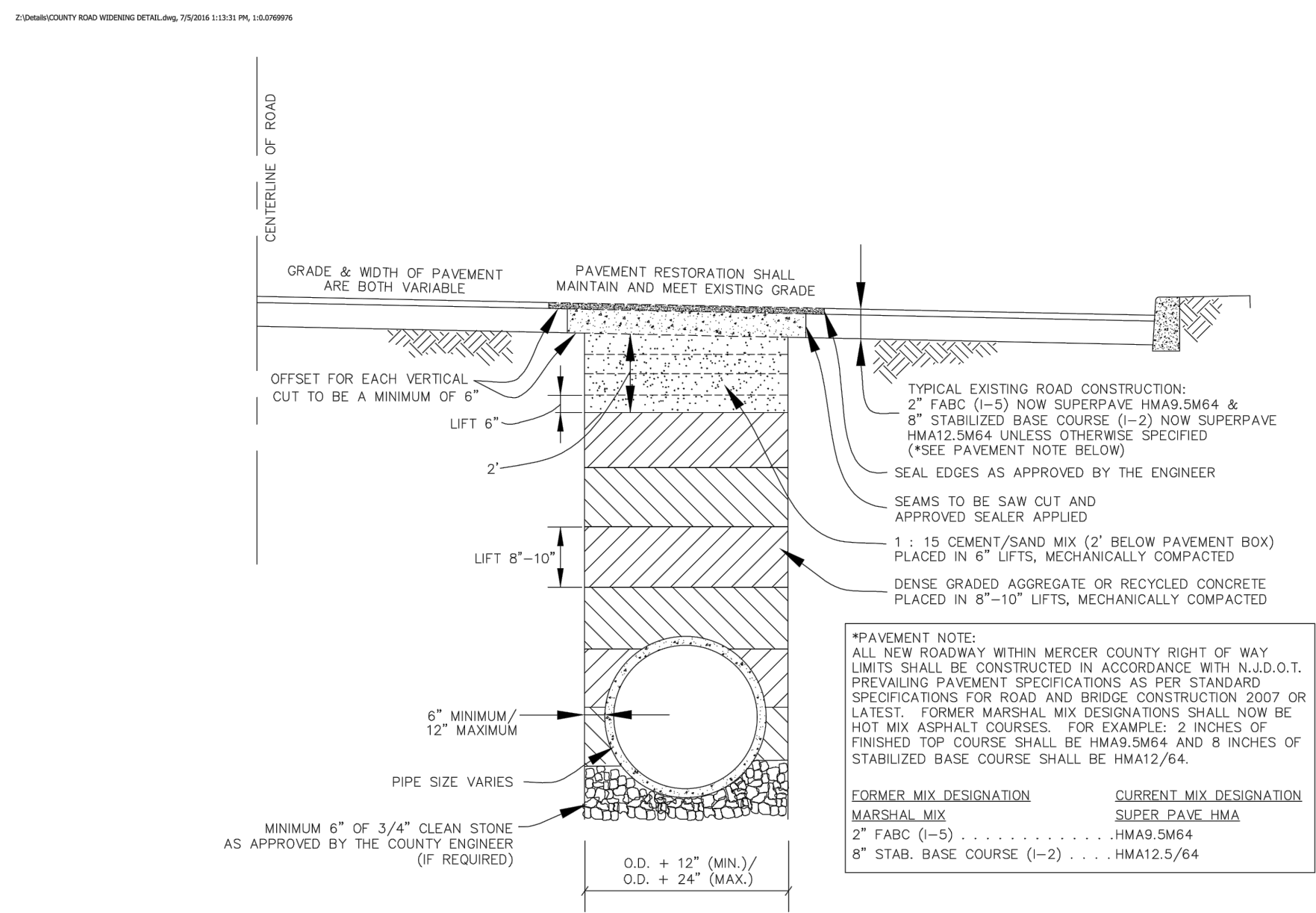


- 1) CURB END TRANSITIONS SHALL BE CONSTRUCTED AT CURB ENDS.
- 2) AN EXPANSION JOINT SHALL BE PROVIDED BETWEEN THE END OF THE FULL HEIGHT CURB AND THE 10' TRANSITION PIECE.
- 3) CONCRETE USED SHALL BE CLASS 'B' (AIR-ENTRAINED)

TYPICAL SECTION OF DEPRESSED CURB AT DRIVEWAYS AND CURB TRANSITION PIECE
 SCALE: NTS

NOTE: 1/2\"/>

COUNTY OF MERCER
 DEPARTMENT OF TRANSPORTATION & INFRASTRUCTURE
 DIVISION OF ENGINEERING
 GREGORY SANDUSKY, P.E., P.L.S., COUNTY ENGINEER
 PROFESSIONAL ENGINEER & LAND SURVEYOR
 NEW JERSEY LICENSE NO. 36758
 DRAWN BY: MIKE WILLIAMSON

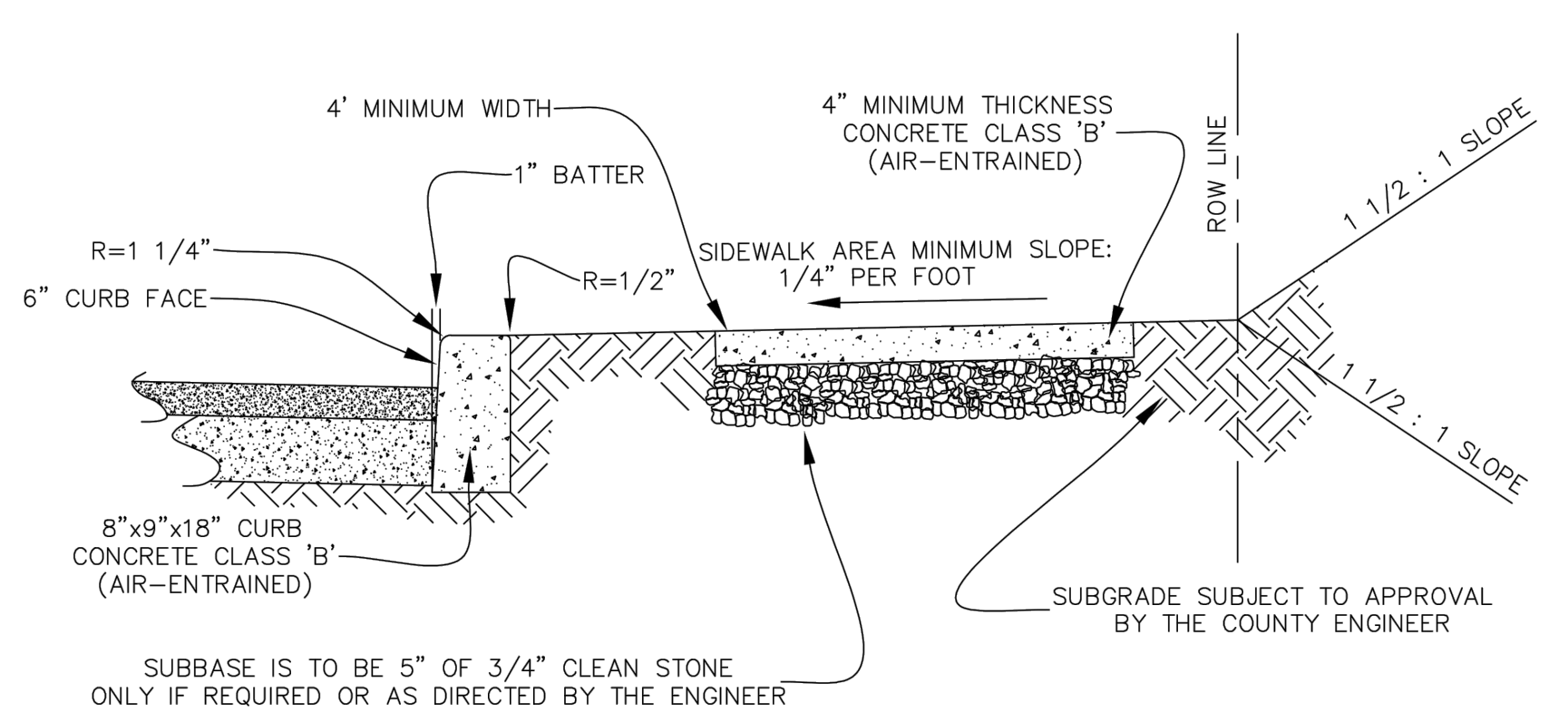


Mercer County Roadway - Utility Trench Detail
 n.t.s. revised: 06-30-16 Paving Spec

- TWO LANES OF TRAFFIC, ONE IN EACH DIRECTION, MUST BE MAINTAINED AT ALL TIMES.
- ALL TRAFFIC CONTROL PERSONS MUST BE IN UNIFORM OR WEAR A REFLECTIVE VEST AND USE A STOP/SLOW PADDLE SIGN.
- NO ROAD CAN BE CLOSED AT ANY TIME WITHOUT PRIOR APPROVAL FROM THE MERCER COUNTY ENGINEER OR THE COUNTY TRAFFIC ENGINEER.
- CONCRETE ROADS MUST BE SAW CUT AND RESTORED WITH 4000 PSI AIR-ENTRAINED CONCRETE TO THE CORRECT THICKNESS.
- ALL TRENCHES ARE TO BE SAW CUT.
- THE SURFACE COURSE IS TO BE PLACED AFTER THE TRENCH SETTLEMENT PERIOD HAS ELAPSED, OR WHEN DIRECTED BY THE COUNTY ENGINEER OR THE MERCER COUNTY ROAD SUPERVISOR.
- NO ROAD CAN BE OPENED AFTER NOVEMBER 15TH, OR BEFORE APRIL 1ST. THE ONLY EXCEPTION WILL BE FOR EMERGENCIES DECLARED BY THE COUNTY ENGINEER.
- ROAD PLATES MAY NOT BE LEFT IN PLACE AFTER NOVEMBER 15TH. THE ONLY EXCEPTION SHALL BE FOR EMERGENCIES DECLARED BY THE COUNTY ENGINEER.
- BACK FILL MATERIAL SHALL BE 15:1 SAND/CEMENT, FOR FIRST 2' FEET OF TRENCH DEPTH BELOW PAVEMENT BOX. ALL BACKFILL BELOW THE 2' OF SAND/CEMENT SHALL BE DGA OR RECYCLED CEMENT.
- 15:1 SAND/CEMENT BACKFILL SHALL BE PLACED IN SIX INCH (6\") LIFTS AND MECHANICALLY COMPACTED, ALSO DGA OR RECYCLED CONCRETE IF REQUIRED, SHALL BE PLACED IN TWO FOOT (2') LIFTS AND MECHANICALLY COMPACTED.
- CONTACT THE SUPERVISOR PRIOR TO BACK FILLING THE TRENCH TO SCHEDULE AN INSPECTION.
- IF THE COUNTY INSPECTOR IS NOT PRESENT WHEN THE TRENCH IS BACKFILLED, THE CONTRACTOR MUST EXCAVATE THE MATERIAL AND REFILL THE OPENING WHEN THE INSPECTOR IS PRESENT.
- THE CONTRACTOR IS REQUIRED TO MAINTAIN THE PAVEMENT IN A SMOOTH AND SAFE CONDITION, INCLUDING PAVEMENT SWEEPING AND REMOVAL OF ALL CONSTRUCTION DEBRIS.
- THE CONTRACTOR MUST RESTORE THE PAVEMENT TO COUNTY SPECS.
- THE INSPECTOR MUST BE NOTIFIED UPON COMPLETION OF THE PROJECT.
- ALL COUNTY SURVEY MONUMENTS MUST BE PRESERVED.
- NO BLASTING WILL TAKE PLACE WITHIN THE PUBLIC RIGHT-OF-WAY UNLESS APPROVED BY THE COUNTY ENGINEER. IF APPROVAL IS GIVEN FOR BLASTING, A LICENSED EXPLOSIVE EXPERT MUST BE HIRED. ALL PERMITS FOR BLASTING AND PROPER SAFETY PROCEDURES ARE THE RESPONSIBILITY OF THE CONTRACTOR. THIS INCLUDES ROADSIDE SIGNAGE, PUBLIC NOTICE AND NOTIFICATION OF HOME AND BUSINESS OWNERS.
- AT THE END OF EACH WORK DAY, ALL TRENCHES MUST BE BACKFILLED AS PREVIOUSLY NOTED OR COVERED WITH AN APPROVED STEEL PLATE SO THAT TRAFFIC CAN FLOW SAFELY. AN INSPECTOR WILL BE PRESENT AT THE END OF THE WORK DAY.
- ROAD OPENING PERMITS WILL BE ISSUED BY THE ROAD SUPERVISOR, AND MUST BE KEPT ON THE JOB SITE AT ALL TIMES.
- THE ROAD OPENING PERMIT IS VALID FOR FIFTEEN (15) DAYS.
- AN EXTENSION CAN BE REQUESTED IF NEEDED. THE EXTENSION MUST BE APPROVED BY THE COUNTY ENGINEER OR THE ROAD SUPERVISOR.
- ROAD OPENINGS ARE ALLOWED BETWEEN THE HOURS OF 9:00 AM AND 3:00 PM. REQUESTS FOR ALTERNATE AND/OR ADDITIONAL HOURS SHALL BE DIRECTED TO EITHER THE COUNTY ENGINEER OR THE COUNTY TRAFFIC ENGINEER.
- A 48 HOUR NOTICE SHALL BE GIVEN TO THE ROAD SUPERVISOR OF THE MERCER COUNTY HIGHWAY DEPARTMENT (609-530-7510) PRIOR TO STARTING CONSTRUCTION AND/OR EXCAVATION.
- ALL PROJECTS SHALL BE REVIEWED & APPROVED BY THE ROAD SUPERVISOR.
- INSPECTIONS MUST BE SCHEDULED WITH THE ROAD SUPERVISOR.
- ALL AGENCIES MUST BE NOTIFIED IN THE EVENT OF A DETOUR OR ROAD CLOSURE. POLICE, FIRE DEPARTMENTS & EMERGENCY PERSONNEL.
- A TRAFFIC CONTROL PLAN SHALL BE REQUIRED. THE COUNTY ENGINEER OR COUNTY TRAFFIC ENGINEER MAY WAIVE THE TRAFFIC CONTROL PLAN IF DEEMED APPROPRIATE.
- COMMUNITY NOTICE SHALL BE GIVEN 48 HOURS PRIOR TO BEGINNING ROADWORK.
- RETURN AND/OR CAUTION SIGNS, FLASHING LIGHTS, CONES, BARRIERS AND/OR CONSTRUCTION BARRICADES SHALL BE IN PLACE PRIOR TO THE BEGINNING OF CONSTRUCTION AS WELL AS DURING AND AFTER WORK HOURS AS DIRECTED BY THE ENGINEER.
- THE REQUIRED SIGNS, ETC. SHALL MEET THE CURRENT MUTCD STANDARDS AND SHALL BE THE CONTRACTOR'S EXPENSE. MERCER COUNTY WILL NOT PROVIDE SIGNS, ETC.
- ANY PERSON OR PERSONS, FIRM, CORPORATION OR MUNICIPALITY VIOLATING ANY PROVISION OF THE MERCER COUNTY ROAD RESOLUTION MAY BE SUBJECT TO A FINE NOT TO EXCEED \$1000.00 PER CALENDAR DAY OR IMPRISONMENT IN THE COUNTY JAIL NOT MORE THAN NINETY (90) DAYS.

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NOTE: 1/2\"/>



REVISED: 2.04.14 CLASS 'B' CONCRETE PER: GREG SANDUSKY, COUNTY ENGINEER

TYPICAL SECTION OF CURB & SIDEWALK DETAIL
 SCALE: NTS

COUNTY OF MERCER
 DEPARTMENT OF TRANSPORTATION & INFRASTRUCTURE
 DIVISION OF ENGINEERING
 GREGORY SANDUSKY, P.E., P.L.S., COUNTY ENGINEER
 PROFESSIONAL ENGINEER & LAND SURVEYOR
 NEW JERSEY LICENSE NO. 36758
 DRAWN BY: MIKE WILLIAMSON

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MERCER COUNTY CONSTRUCTION DETAILS

NOT TO SCALE