

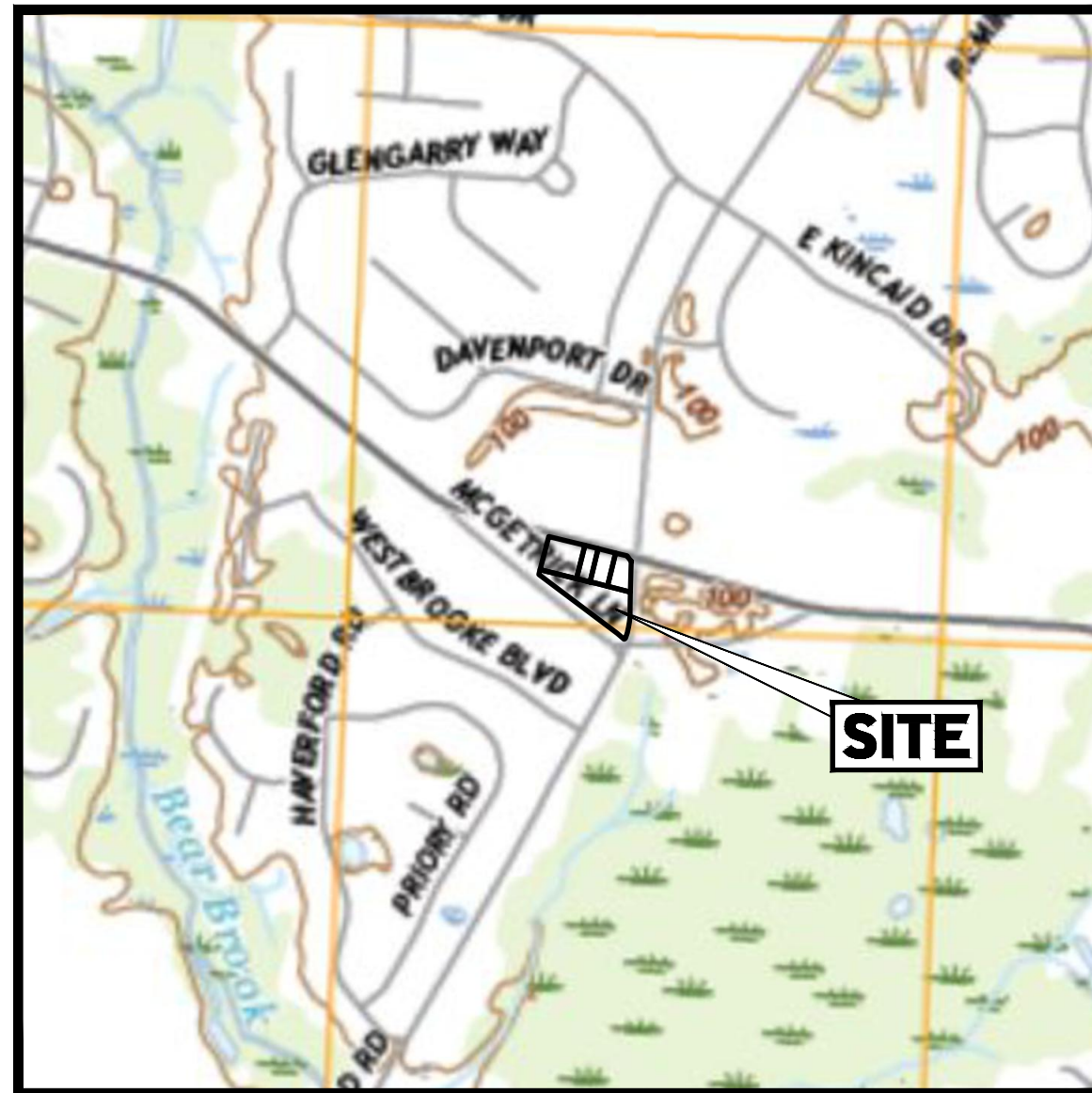
PRELIMINARY & FINAL MAJOR SITE PLANS, SUBDIVISION PLAN & SIGN WAIVERS PHASE 1 & PRELIMINARY MAJOR SITE PLAN PHASE 2

FOR
ER/UDC WEST WINDSOR LLC

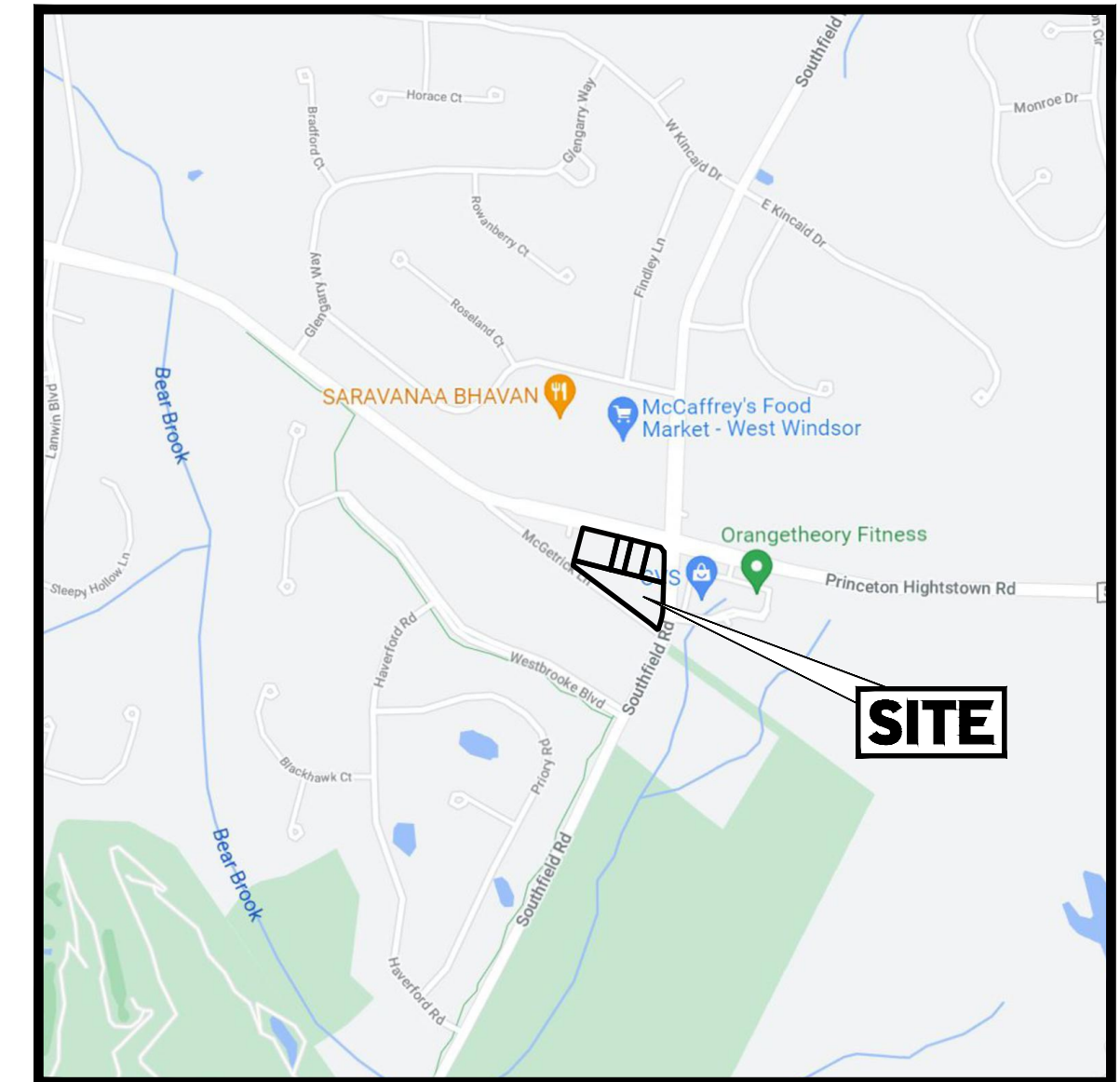
PROPOSED
QUICKCHEK FOOD STORE WITH FUEL SALES AND RESTAURANT WITH DRIVE-THRU

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	CHECKED BY	DRAWN BY
1	03/09/2022	REV. PER DRCC COMMENTS	CPR	TXL
2	12/05/2022	REV. PER TOWNSHIP COMMENTS	CPR	TXL
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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
7	01/12/2024	REV. PER TOWNSHIP COMMENTS	KK	TXL

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PROJECT No.: J190844
DRAWN BY: CPR
CHECKED BY: TXL
DATE: 11/04/2024
CAD ID: J190844-COVR-7A

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 7 - 01/12/2024

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	CHARLESTOWN CTR, 1260 STELTOWN RD. PISCATAWAY, NJ 08854	20.10	1	TRI-STATE PETRO INC., PO BOX 21, WINDSOR, NJ 08611	22	3, 02	TRI-STATE PETRO INC., PO BOX 21, WINDSOR, NJ 08611
28	1, 01	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
CPFL REAL ESTATE, PO BOX 1911, 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

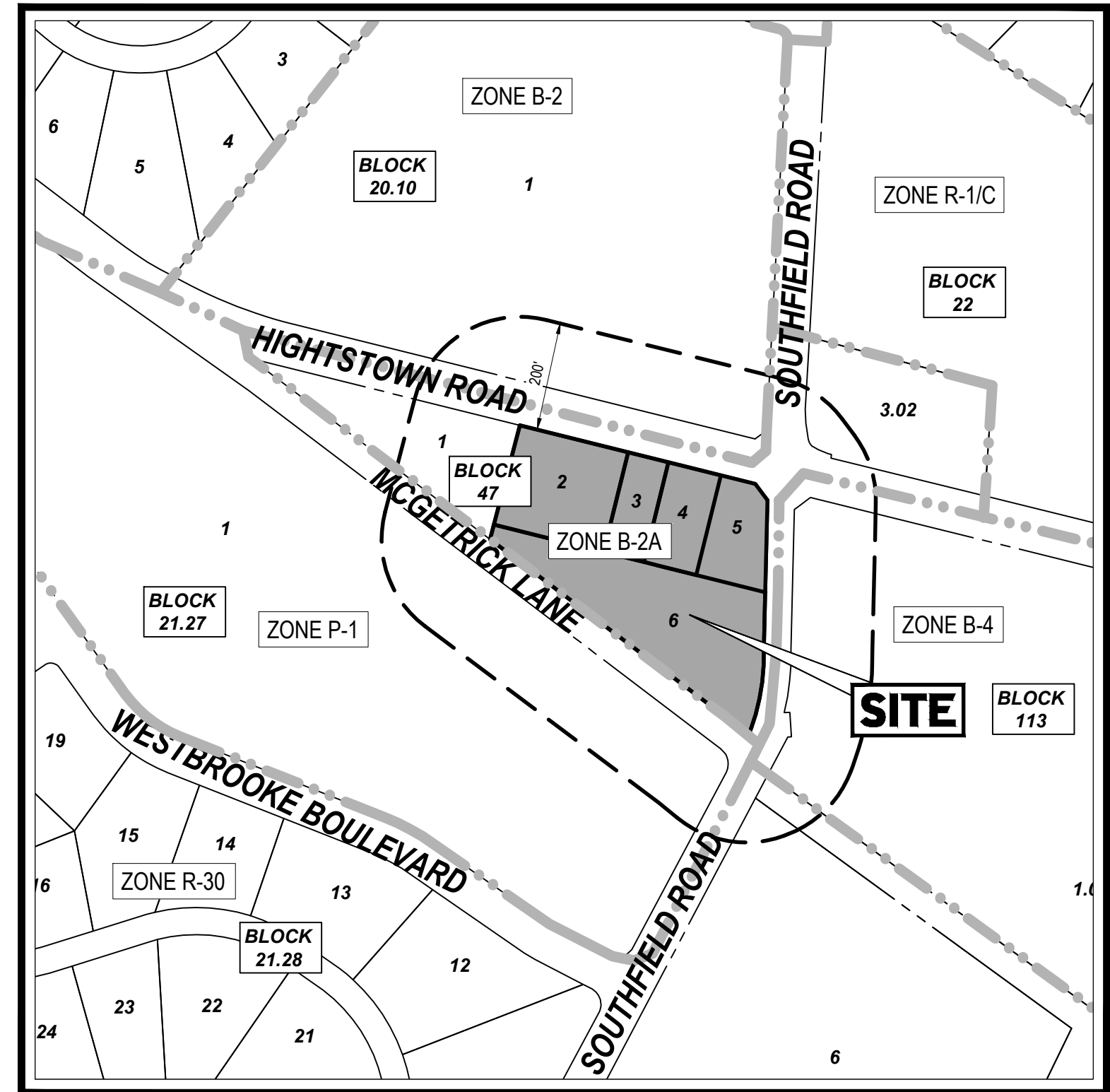
APPROVED BY HEALTH OFFICER

CHAIRMAN _____ DATE _____

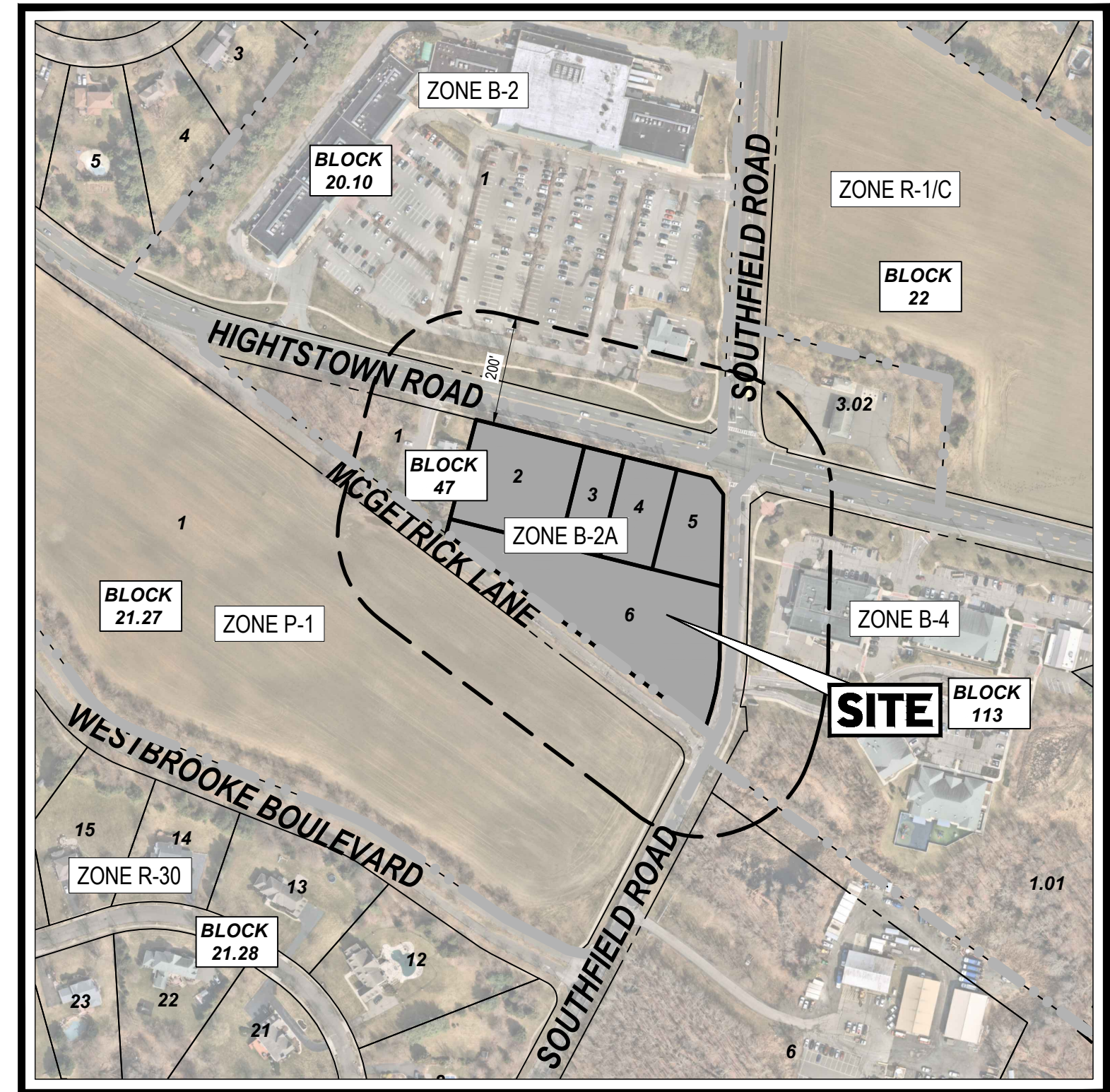
EXPIRATION OF APPROVAL BLOCK

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
BOHLER

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 _____

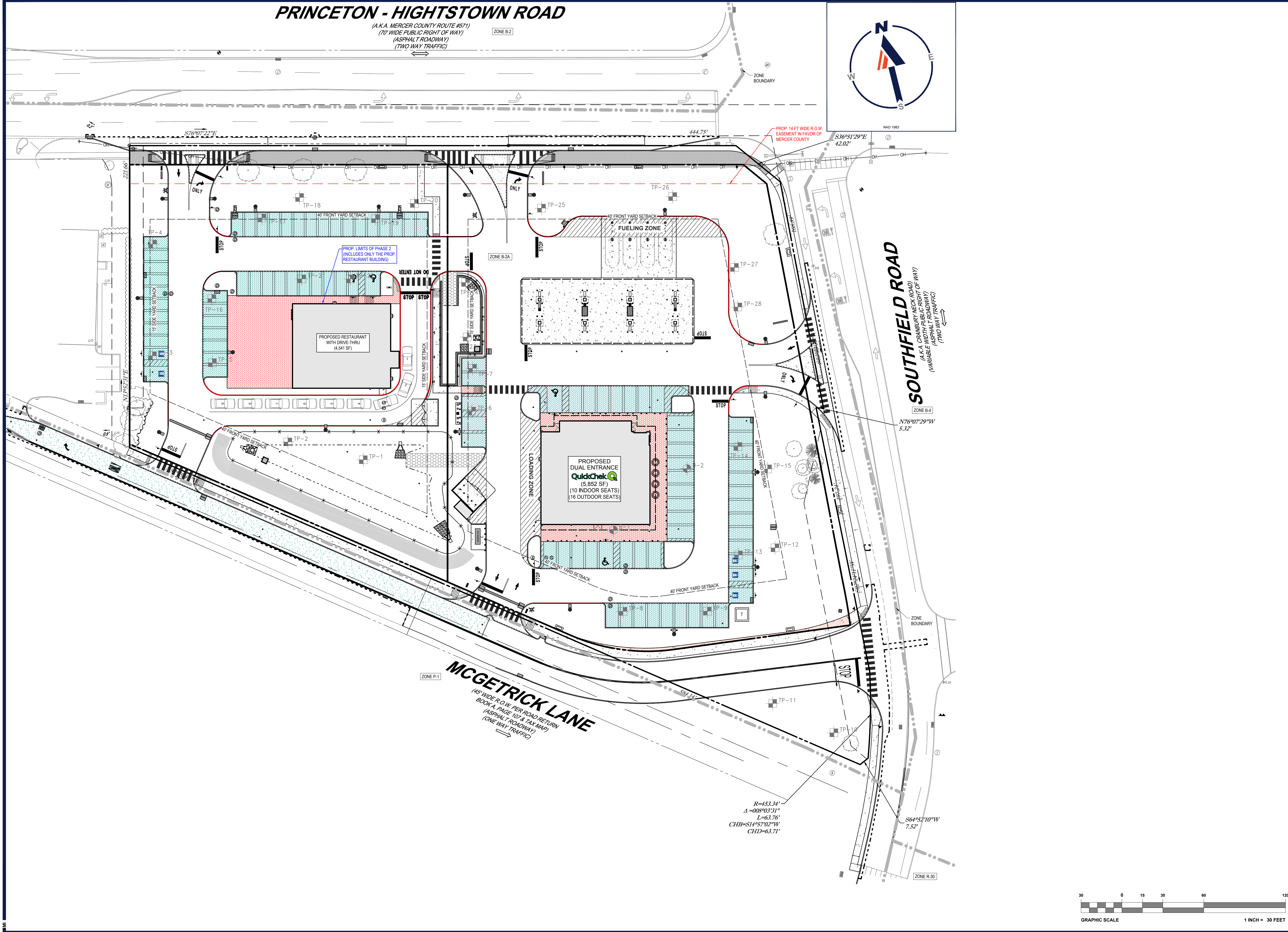
G:\0101\190844\CADD\DRAWINGS\PLAN SETS\CIVIL SITE PLANS\190844-COVR-7A...LAYOUT: C-101 COVER

PRINCETON - HIGHTSTOWN ROAD

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



NAD 1983



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

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7	01/12/2024	REV. PER TOWNSHIP COMMENTS	KK	TXL

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PROJECT NO.: J190844
DRAWN BY: CPR
DATE: 11/04/2024
CAD ID: J190844-SITE-7A

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

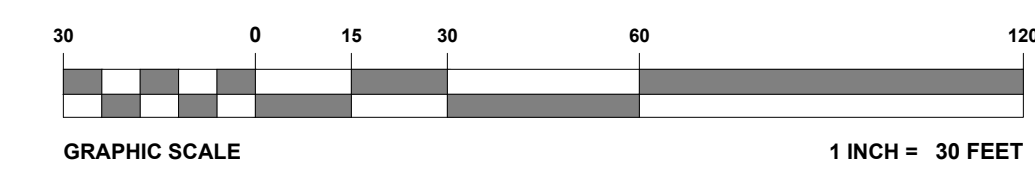
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BOHLER ENGINEERING NJ, LLC
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WARREN, NJ 07059
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PROFESSIONAL ENGINEER
NEW JERSEY LICENSE NO. 47862
NEW YORK LICENSE NO. 092942
CONNECTICUT LICENSE NO. 36024
PENNSYLVANIA LICENSE NO. 76748

PHASING PLAN

SHEET NUMBER:
C-302

REVISION 7 - 01/12/2024

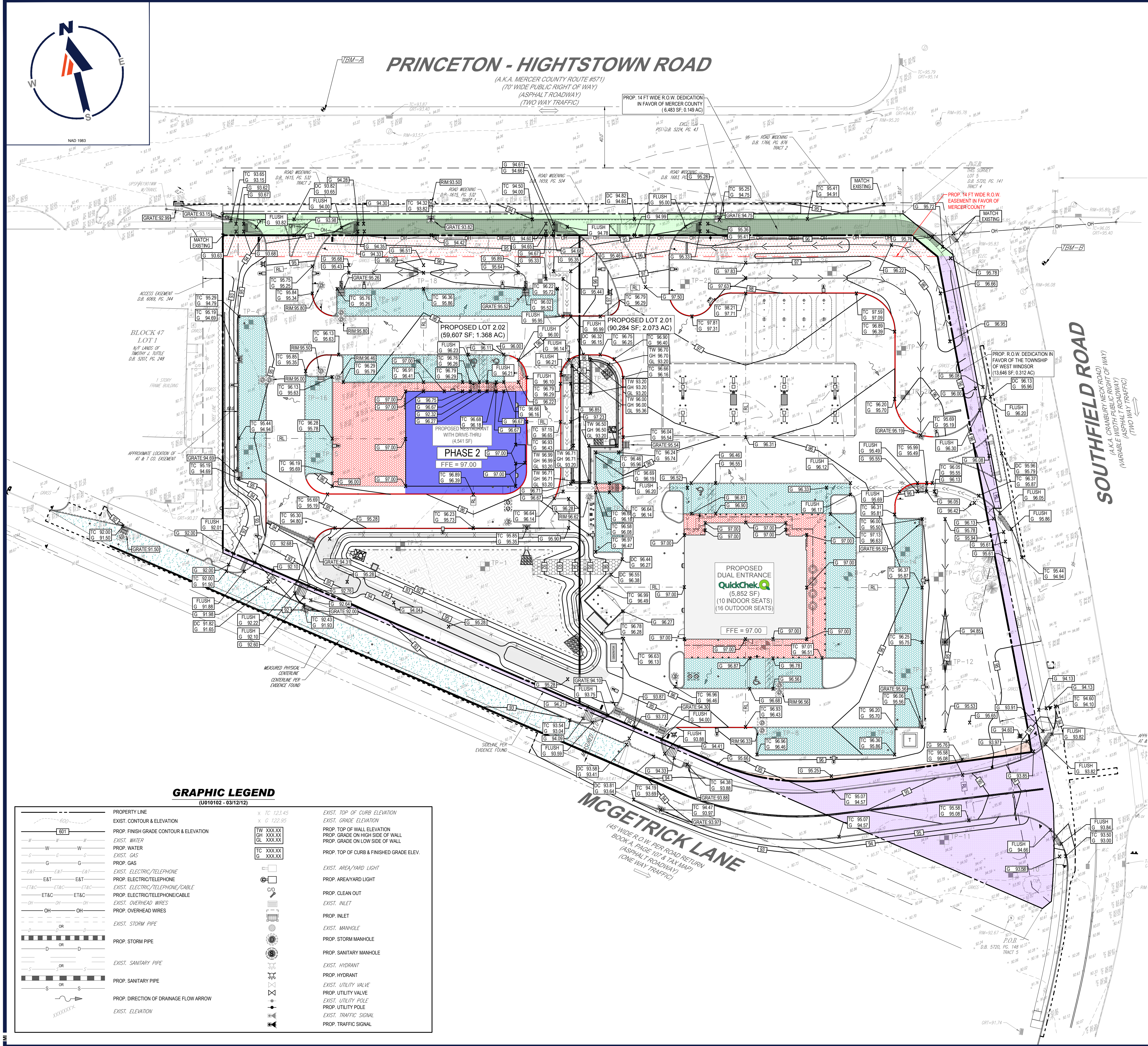


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PRINCETON - HIGHTSTOWN ROAD

(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		TC 123.45		EXIST. TOP OF CURB ELEVATION
	EXIST. CONTOUR & ELEVATION		X G 123.95		EXIST. GRADE ELEVATION
	PROP. FINISH GRADE CONTOUR & ELEVATION		TW XXXXX		PROP. TOP OF WALL ELEVATION
	EXIST. WATER		GH XXXXX		PROP. GRADE ON HIGH SIDE OF WALL
	EXIST. WATER		G XXXXX		PROP. GRADE ON LOW SIDE OF WALL
	EXIST. GAS		TC XXXXX		PROP. TOP OF CURB & FINISHED GRADE ELEV.
	EXIST. GAS		G XXXXX		EXIST. AREA/YARD LIGHT
	EXIST. ELECTRIC/TELEPHONE		G XXXXX		PROP. AREA/YARD LIGHT
	EXIST. ELECTRIC/TELEPHONE		G XXXXX		PROP. CLEAN OUT
	EXIST. ELECTRIC/TELEPHONE/CABLE		G XXXXX		EXIST. INLET
	EXIST. ELECTRIC/TELEPHONE/CABLE		G XXXXX		PROP. INLET
	EXIST. OVERHEAD WIRES		G XXXXX		EXIST. MANHOLE
	EXIST. OVERHEAD WIRES		G XXXXX		PROP. STORM MANHOLE
	EXIST. STORM PIPE		G XXXXX		EXIST. SANITARY MANHOLE
	PROP. STORM PIPE		G XXXXX		EXIST. HYDRANT
	EXIST. SANITARY PIPE		G XXXXX		PROP. HYDRANT
	PROP. SANITARY PIPE		G XXXXX		EXIST. UTILITY VALVE
	EXIST. DIRECTION OF DRAINAGE FLOW ARROW		G XXXXX		PROP. UTILITY VALVE
	EXIST. ELEVATION		G XXXXX		EXIST. UTILITY POLE
			G XXXXX		PROP. UTILITY POLE
			G XXXXX		EXIST. TRAFFIC SIGNAL
			G XXXXX		PROP. TRAFFIC SIGNAL

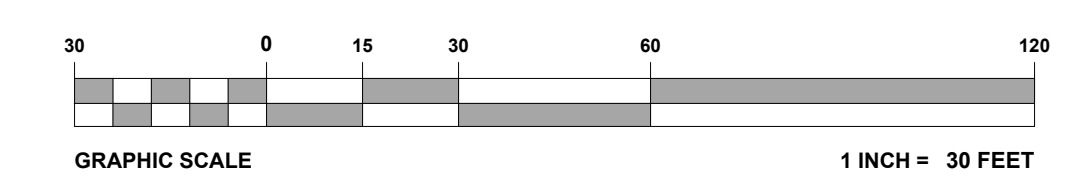
STEEP SLOPES NOTE:
1. STEEP SLOPES ARE NOT PRESENT ON THE SITE PER TOWNSHIP DEFINITION OF ANY PERCENT OF SLOPE CALCULATED AS A RISE IN FEET PER HORIZONTAL RUN IN FEET, CALCULATED FOR EACH TWO-FOOT TOPOGRAPHIC CONTOUR INTERVAL, EQUAL OR GREATER THAN 20% AS MEASURED OVER ANY MINIMUM RUN OF 10 FEET.

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.

THIS PLAN TO BE UTILIZED FOR SITE GRADING PURPOSES ONLY



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PROJECT No.: J190844
DRAWN BY: CPR
DATE: 11/04/2024
CAD ID: J190844-GDUL-7A

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
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PROFESSIONAL ENGINEER
NEW JERSEY LICENSE No. 47862
NEW YORK LICENSE No. 029242
CONNECTICUT LICENSE No. 30024
PENNSYLVANIA LICENSE No. 76748

SHEET TITLE:
GRADING PLAN
SHEET NUMBER:
C-401
REVISION 7 - 01/12/2024

REVISIONS

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1	03/09/2022	REV. PER DRCC COMMENTS	TXL
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PRELIMINARY & FINAL MAJOR SITE PLAN & PRELIMINARY & FINAL MAJOR SUBDIVISION PLAN

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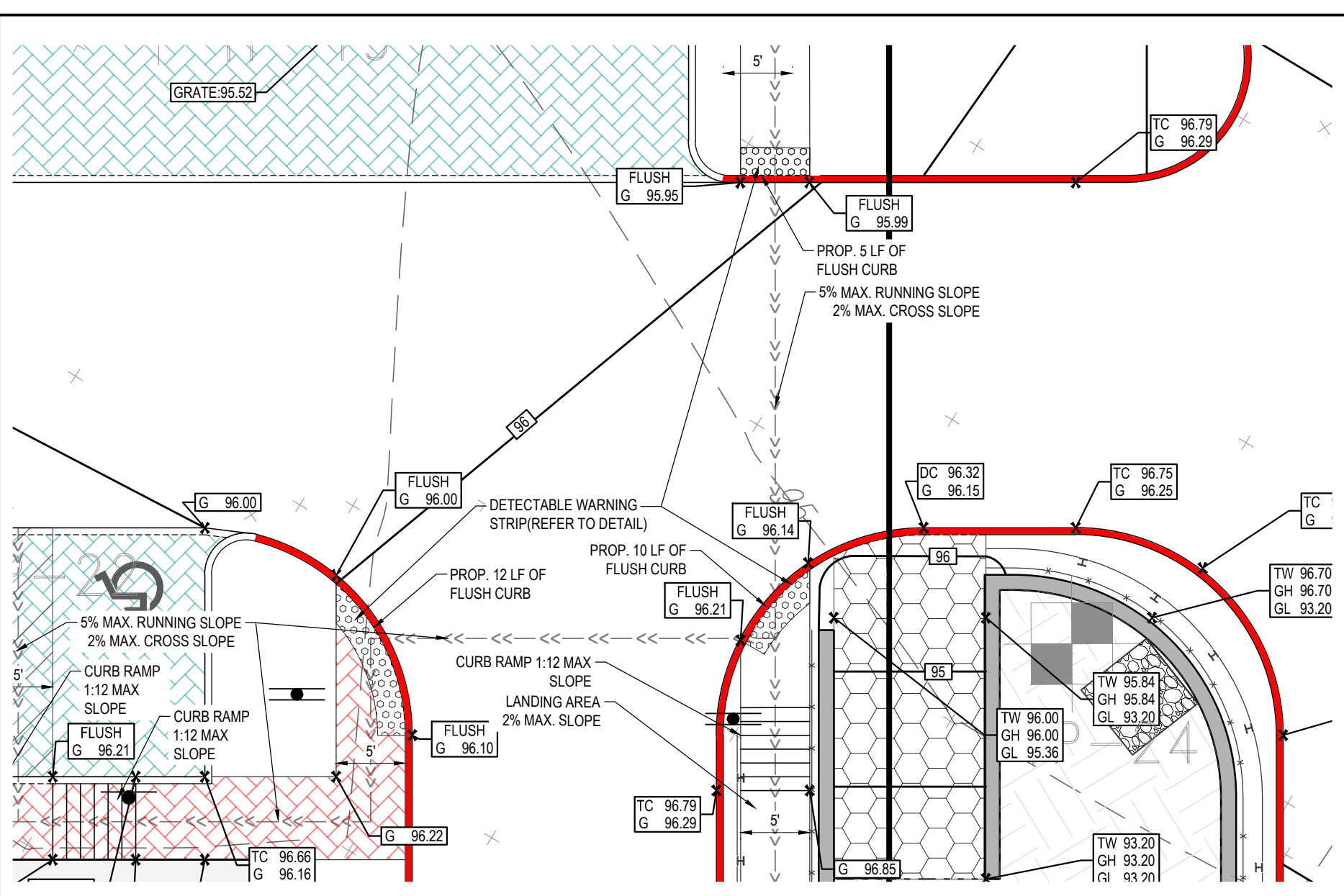
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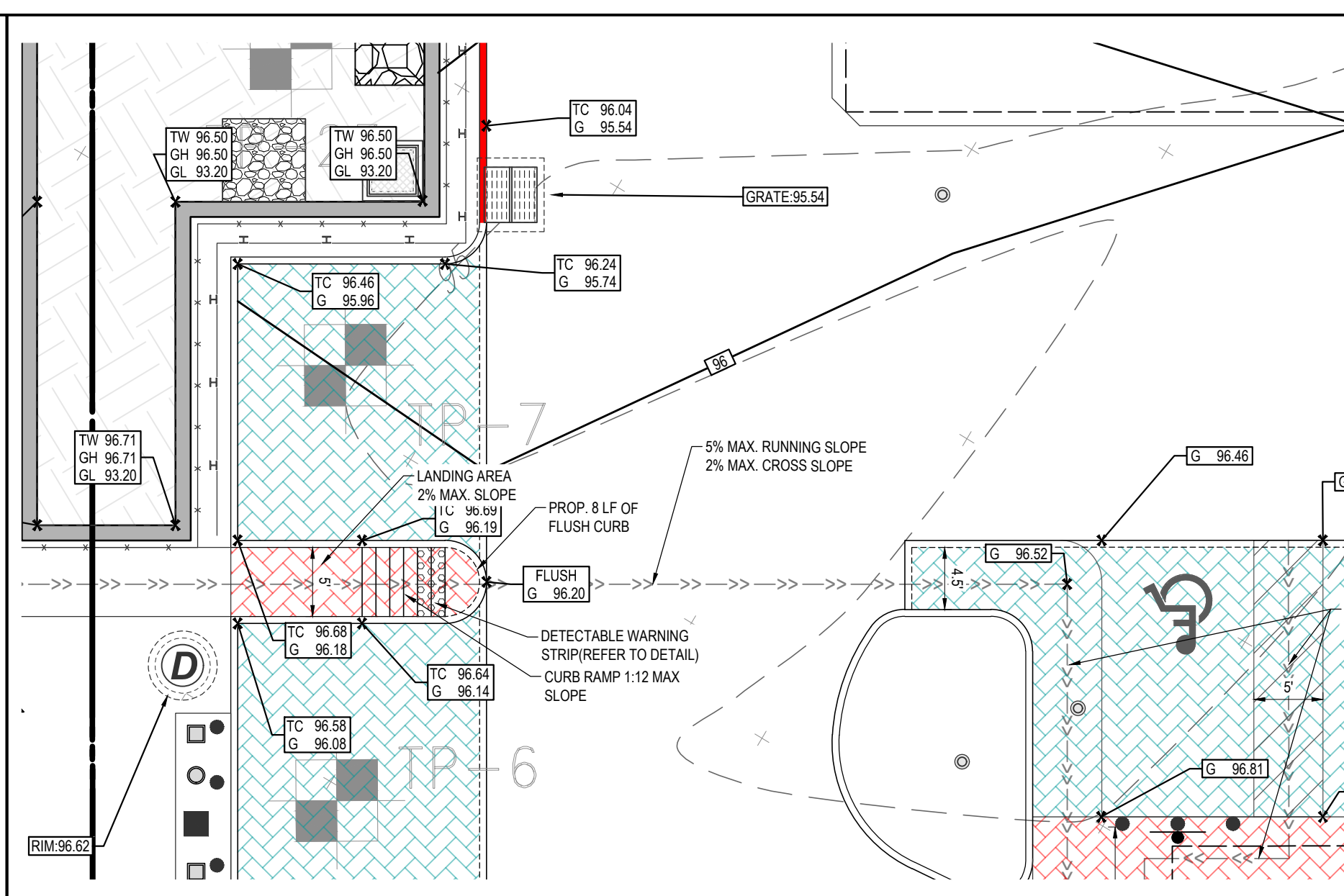
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ADA DETAIL SHEET

SHEET NUMBER:
C-403

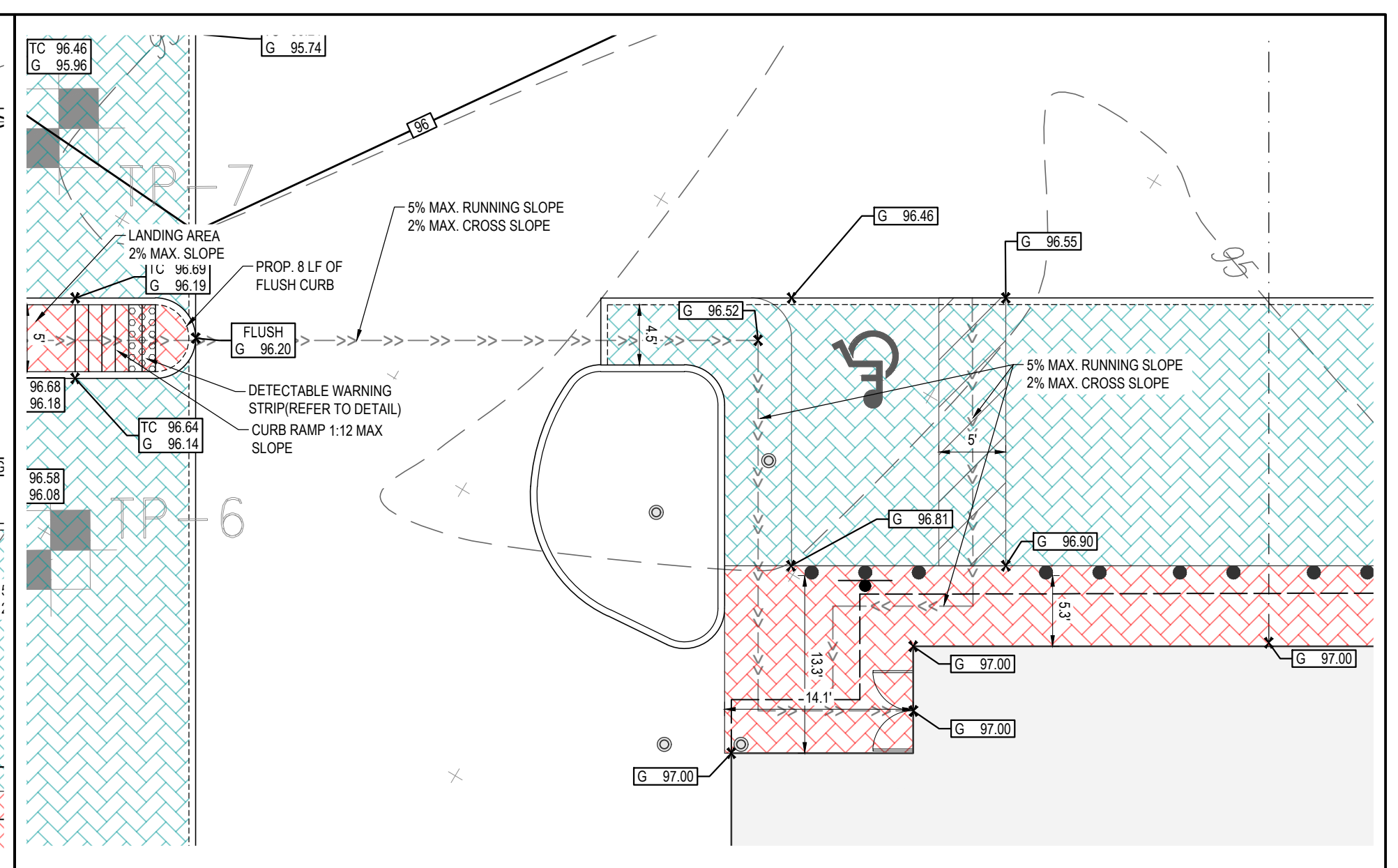
REVISION 7 - 01/12/2024



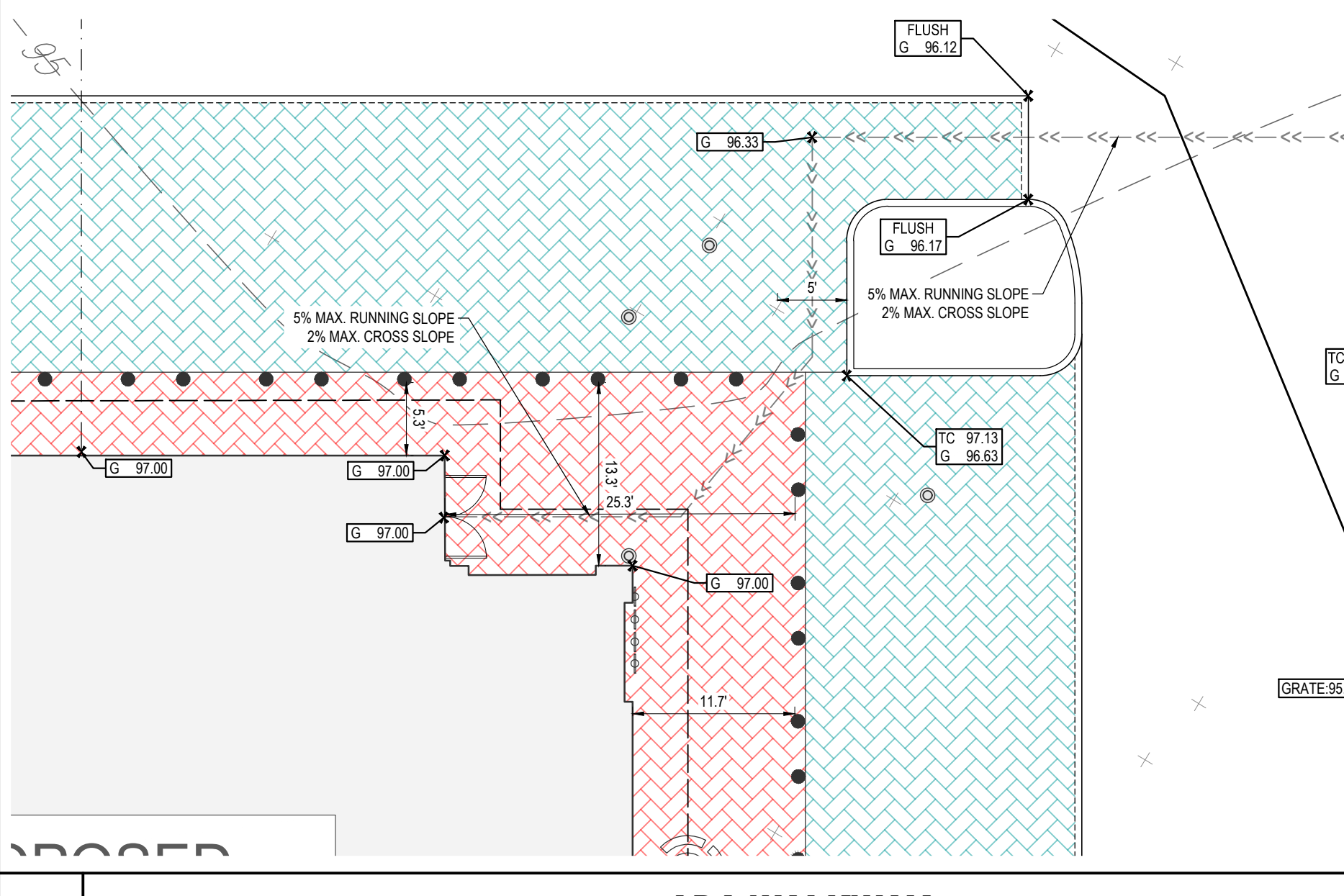
1 RAMP #13 AND ADA WALKWAYS
 SCALE: 1:10



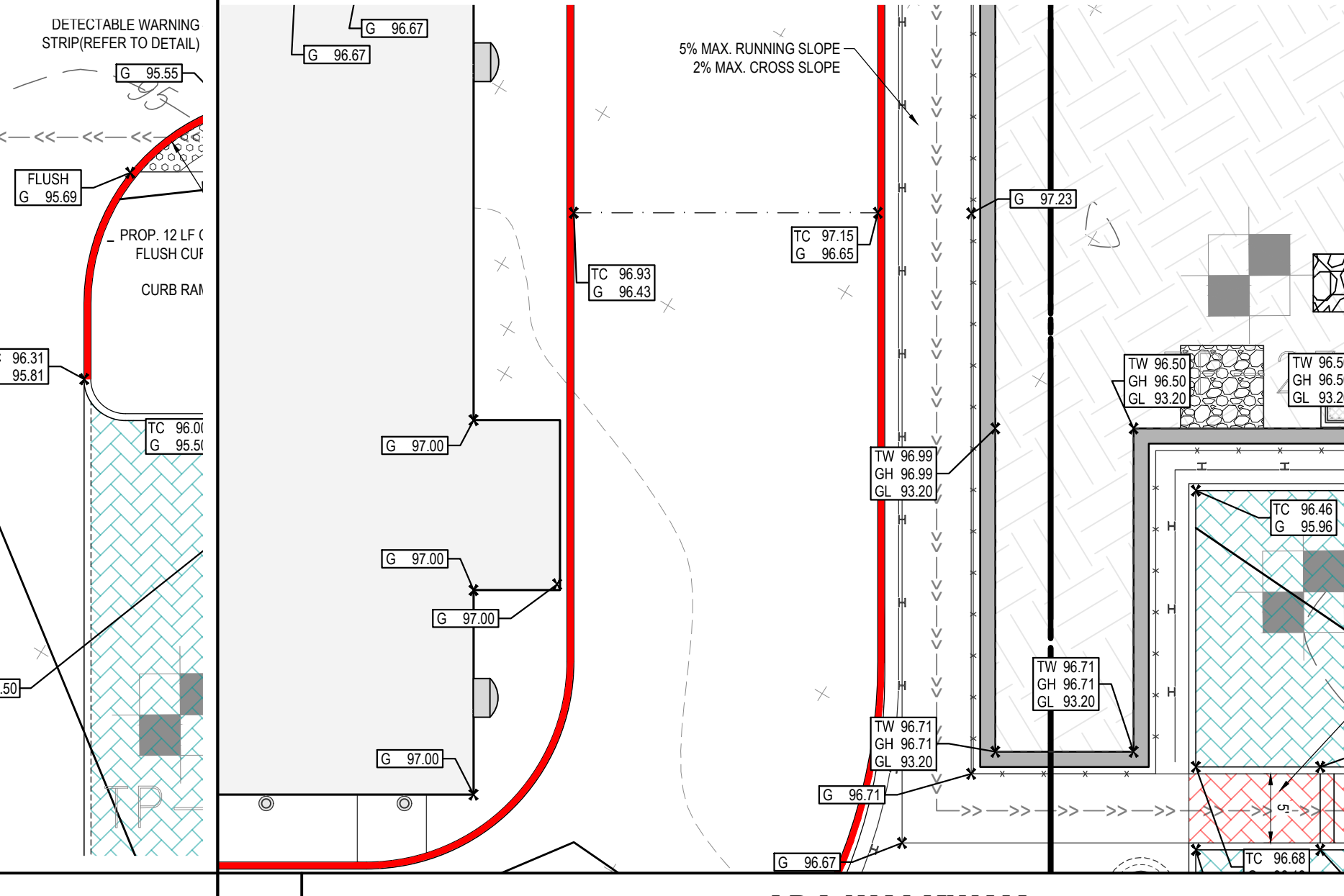
2 RAMP #14
 SCALE: 1:10



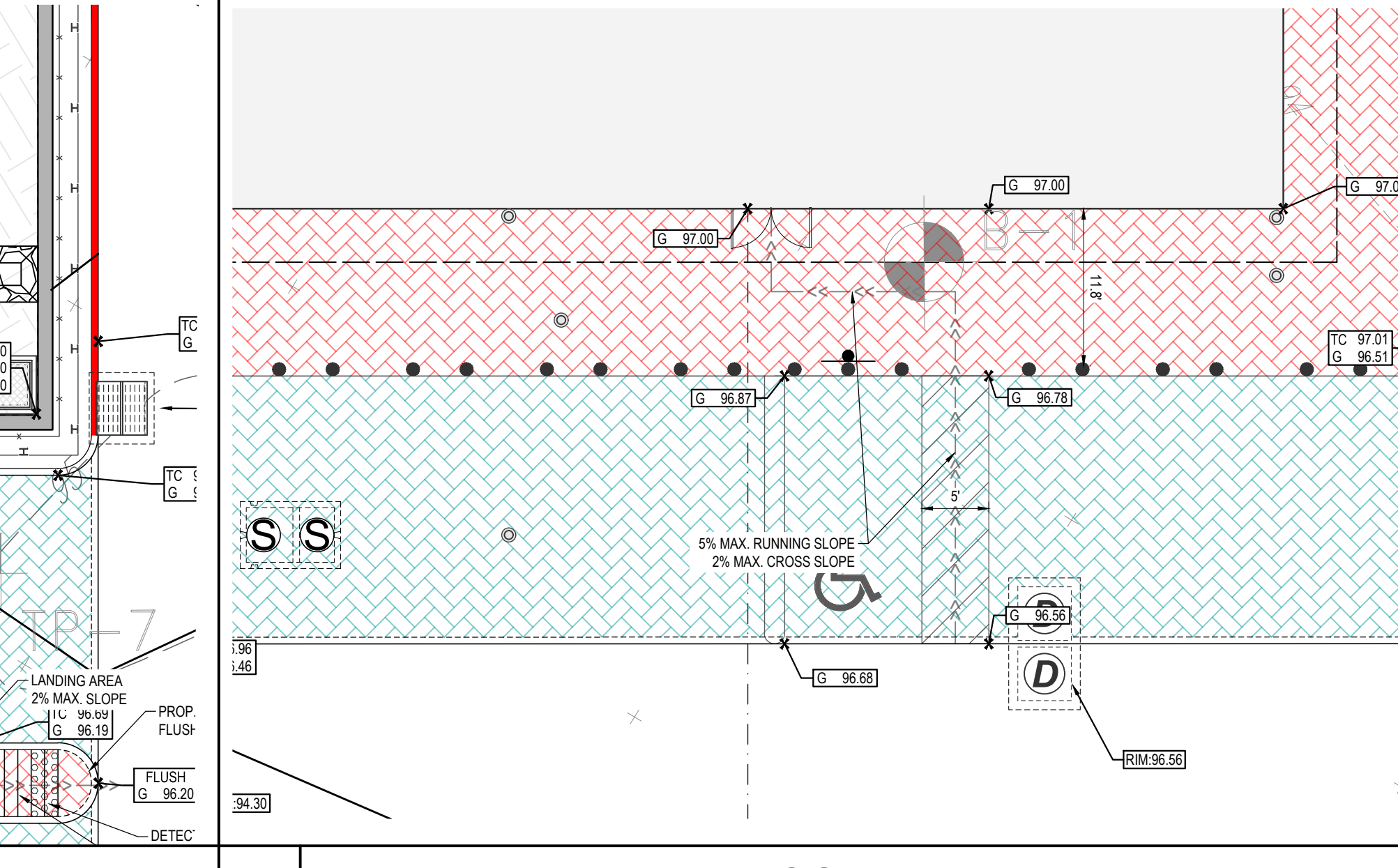
3 ADA PARKING STALL AND WALKWAY
 SCALE: 1:10



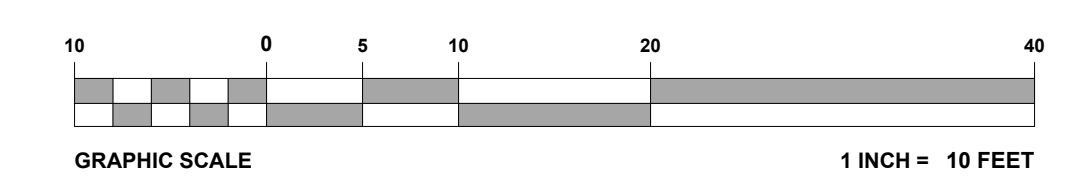
4 ADA WALKWAY
 SCALE: 1:10



5 ADA WALKWAY
 SCALE: 1:10



6 ADA PARKING STALL AND WALKWAY
 SCALE: 1:10

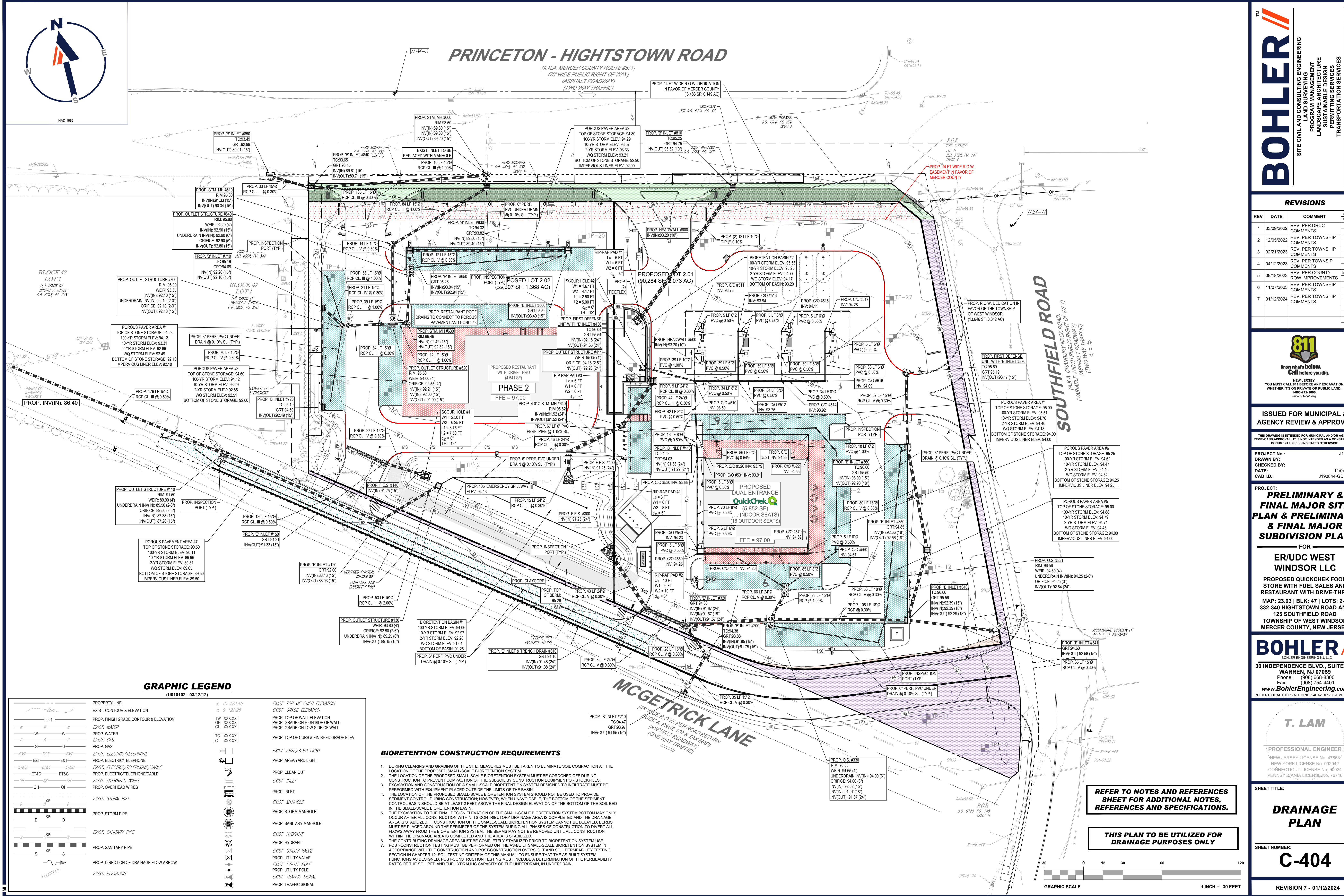


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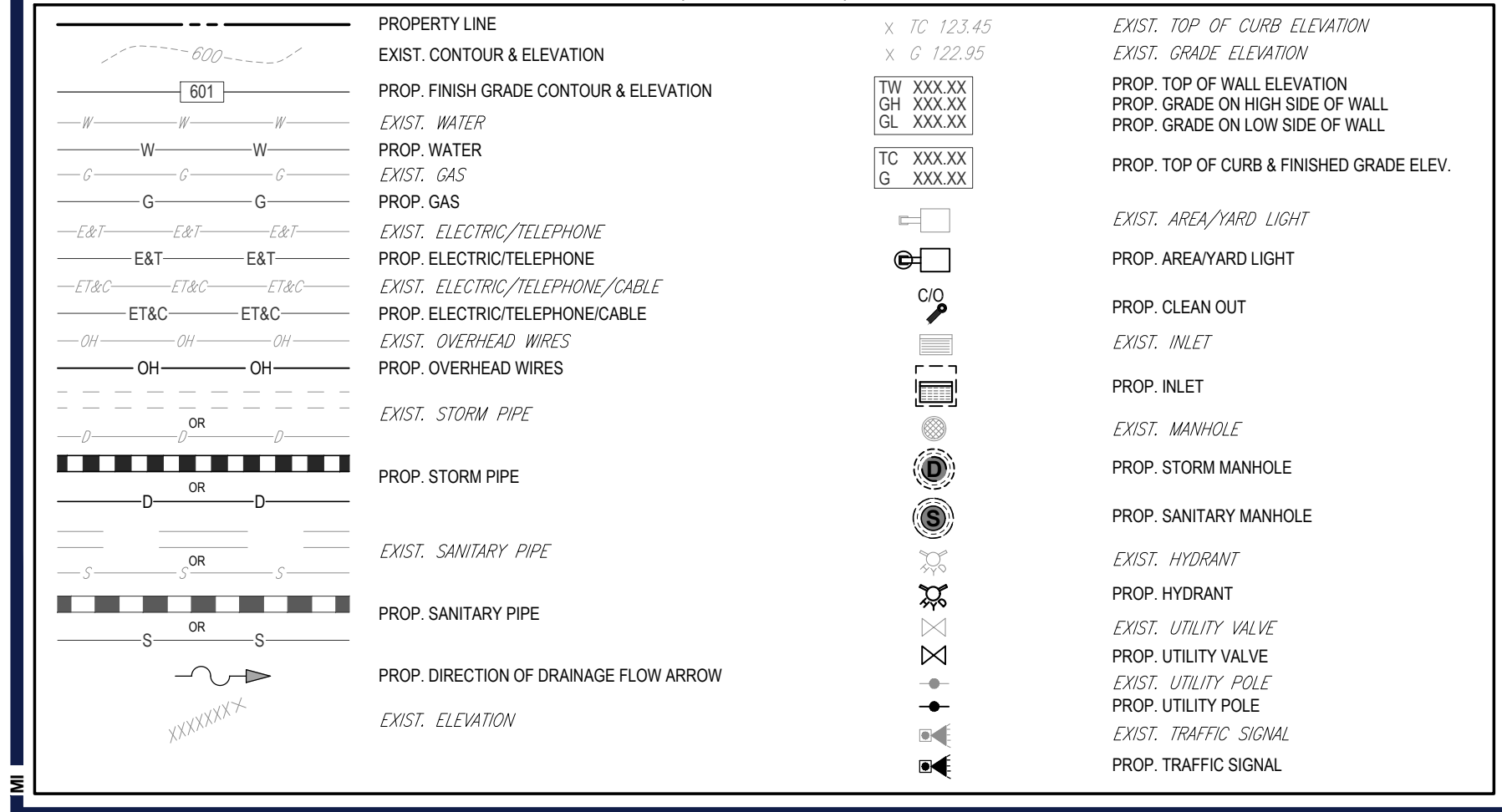
PRINCETON - HIGHTSTOWN ROAD

(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.

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

THIS PLAN TO BE UTILIZED FOR DRAINAGE PURPOSES ONLY

GRAPHIC SCALE 1 INCH = 30 FEET

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1	03/09/2022	REV. PER DRCC COMMENTS	CPR
2	12/05/2022	REV. PER TOWNSHIP COMMENTS	TXL
3	02/21/2023	REV. PER TOWNSHIP COMMENTS	TXL
4	04/12/2023	REV. PER TOWNSHIP COMMENTS	TXL
5	09/18/2023	REV. PER COUNTY ROW IMPROVEMENTS	MAI
6	11/07/2023	REV. PER TOWNSHIP COMMENTS	TXL
7	01/12/2024	REV. PER TOWNSHIP COMMENTS	TXL

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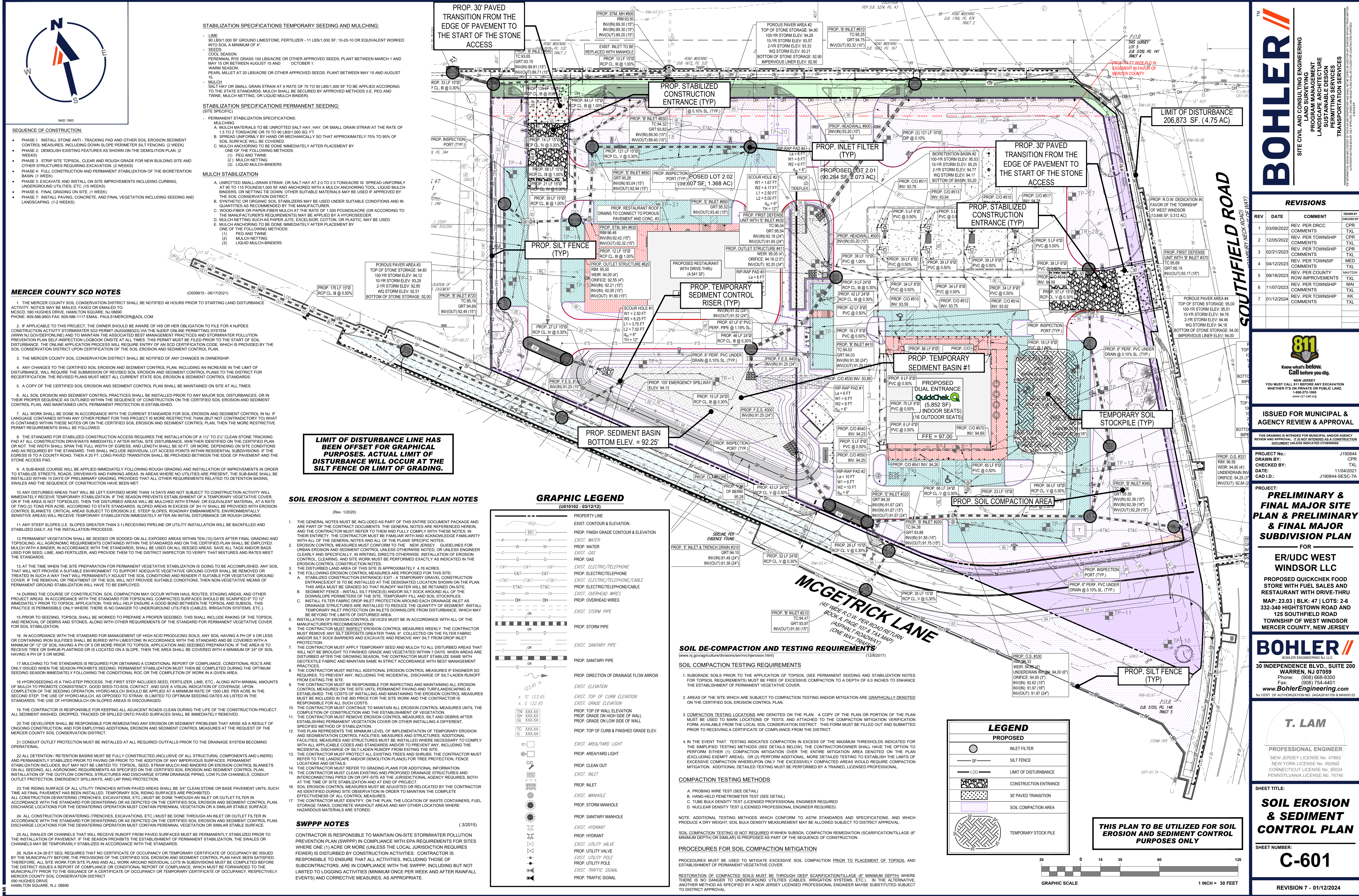
PROJECT No.: J190844
DRAWN BY: CPR
DATE: 11/02/2024
CAD ID: J190844-GDUL-7A

PROJECT:
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 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
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SHEET TITLE:
DRAINAGE PLAN
SHEET NUMBER:
C-404
REVISION 7 - 01/12/2024



STABILIZATION SPECIFICATIONS: TEMPORARY SEEDING AND MULCHING:

LIME
90 LBS/1,000 SF GRUND LIME/STONE; FERTILIZER - 11 LBS/1,000 SF; 10-20-10 OR EQUIVALENT WORKED INTO SOIL A MINIMUM OF 4" DEEP.

SEEDS
COOL SEASON:
PERENNIAL RYE GRASS 10 LBS/AC OR OTHER APPROVED SEEDS; PLANT BETWEEN MARCH 1 AND MAY 15 OR BETWEEN AUGUST 15 AND OCTOBER 1
WARM SEASON:
PEARL MILLET AT 20 LBS/AC OR OTHER APPROVED SEEDS; PLANT BETWEEN MAY 15 AND AUGUST 15

MULCH
SALT HAY OR SMALL GRAIN STRAW AT A RATE OF 70 TO 90 LBS/1,000 SF TO BE APPLIED ACCORDING TO THE STATE STANDARDS. MULCH SHALL BE SECURED BY APPROVED METHODS (I.E. PEG AND TWINE, MULCH NETTING, OR LIQUID MULCH BINDER).

STABILIZATION SPECIFICATIONS PERMANENT SEEDING:
(SITE SPECIFIC)

PERMANENT STABILIZATION SPECIFICATIONS:
MULCHING
A. MULCH MATERIALS TO BE UNROTATED SALT HAY, OR SMALL GRAIN STRAW AT THE RATE OF 1.5 TO 2 TONS/AC OR 70 TO 90 LBS/1,000 SF. FT. MULCH SHALL BE SPREAD UNIFORMLY BY HAND OR MECHANICALLY SO THAT APPROXIMATELY 75% TO 85% OF SOIL SURFACE WILL BE COVERED.
B. MULCH ANCHORING TO BE DONE IMMEDIATELY AFTER PLACEMENT BY ONE OF THE FOLLOWING METHODS:
(1) PEG AND TWINE
(2) MULCH NETTING
(3) LIQUID MULCH-BINDERS

MULCH STABILIZATION

A. UNROTATED SMALL-GRAIN STRAW, OR SALT HAY AT 2.0 TO 2.5 TONS/AC IS SPREAD UNIFORMLY AT 90 TO 115 POUNDS/1,000 SF AND ANCHORED WITH A MULCH ANCHORING TOOL. LIQUID MULCH BINDERS, OR NETTING IS TO BE USED WHERE APPROPRIATE. MULCH SHALL BE USED IF APPROVED BY THE SOIL CONSERVATION DISTRICT.
B. SYNTHETIC OR ORGANIC SOIL STABILIZERS MAY BE USED UNDER SUITABLE CONDITIONS AND IN QUANTITIES AS RECOMMENDED BY THE MANUFACTURER.
C. WOOD-FIBER OR PAPER-FIBER MULCH AT THE RATE OF 1,500 POUNDS/AC (OR ACCORDING TO THE MANUFACTURER'S REQUIREMENTS) MAY BE APPLIED BY A HYDROSEEDER.
D. MULCH NETTING OR PLASTICS MAY BE USED.
E. MULCH ANCHORING TO BE DONE IMMEDIATELY AFTER PLACEMENT BY ONE OF THE FOLLOWING METHODS:
(1) MULCH NETTING
(2) MULCH NETTING
(3) LIQUID MULCH-BINDERS

- SEQUENCE OF CONSTRUCTION:**
- PHASE 1: INSTALL STONE ANTI-TRACKING PAD AND OTHER SOIL EROSION SEDIMENT CONTROL MEASURES INCLUDING DOWN SLOPE PERIMETER SILT FENCING (2 WEEKS)
 - PHASE 2: DEMOLISH EXISTING FEATURES AS SHOWN ON THE DEMOLITION PLAN (2 WEEKS)
 - PHASE 3: STRIP SITE TOPSOIL, CLEAR AND ROUGH GRADE FOR NEW BUILDING SITE AND OTHER STRUCTURES REQUIRING EXCAVATION (2 WEEKS)
 - PHASE 4: FULL CONSTRUCTION AND PERMANENT STABILIZATION OF THE BIORETENTION BASIN (1 WEEK)
 - PHASE 5: EXCAVATE AND INSTALL ON SITE IMPROVEMENTS INCLUDING CURBING, UNDERGROUND UTILITIES, ETC. (15 WEEKS)
 - PHASE 6: FINAL GRADING ON SITE (1 WEEK)
 - PHASE 7: FINAL PAVING CONCRETE, AND FINAL VEGETATION INCLUDING SEEDING AND LANDSCAPING (1-2 WEEKS)

MERCER COUNTY SCD NOTES

- MERCER COUNTY SOIL CONSERVATION DISTRICT SHALL BE NOTIFIED 48 HOURS PRIOR TO STARTING LAND DISTURBANCE ACTIVITY. NOTICE MAY BE MAILED OR E-MAILED TO: MCDSD, 590 HUGHES DRIVE, HAMILTON SQUARE, NJ 08690. PHONE: 609-586-9603 FAX: 609-586-1117 EMAIL: PAULSMERCER@AOL.COM
- APPLICABLE TO THIS PROJECT THE OWNER SHALL BE AWARE OF HIS OR HER OBLIGATION TO FILE FOR A NJPDES CONSTRUCTION ACTIVITY STORMWATER PERMIT (NJ0208923) VIA THE NJDEP ONLINE PERMITTING SYSTEM (WWW.NJ.GOV/DPENLINE) AND TO MAINTAIN THE ASSOCIATED BEST MANAGEMENT PRACTICES AND STORMWATER POLLUTION PREVENTION PLAN SELF-INSPECTION LOGBOOK ON-SITE AT ALL TIMES. THIS PERMIT MUST BE FILED PRIOR TO THE START OF SOIL DISTURBANCE. THE ONLINE PERMITTING PROCESS AND AN SCD CERTIFICATE OF COMPLIANCE WHICH IS PROVIDED BY THE SOIL CONSERVATION DISTRICT UPON CERTIFICATION OF THE SOIL EROSION AND SEDIMENT CONTROL PLAN.
- MERCER COUNTY SOIL CONSERVATION DISTRICT SHALL BE NOTIFIED OF ANY CHANGES IN OWNERSHIP.
- ANY CHANGES TO THE CERTIFIED SOIL EROSION AND SEDIMENT CONTROL PLAN, INCLUDING AN INCREASE IN THE LIMIT OF DISTURBANCE, WILL REQUIRE THE SUBMISSION OF REVISED SOIL EROSION AND SEDIMENT CONTROL PLANS TO THE DISTRICT FOR RE-CERTIFICATION. THE REVISED PLANS MUST MEET ALL CURRENT STATE SOIL EROSION & SEDIMENT CONTROL STANDARDS.
- A COPY OF THE CERTIFIED SOIL EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON SITE AT ALL TIMES.
- ALL SOIL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE INSTALLED PRIOR TO ANY MAJOR SOIL DISTURBANCES, OR IN THEIR PROPER SEQUENCE AS OUTLINED WITHIN THE SEQUENCE OF CONSTRUCTION ON THE CERTIFIED SOIL EROSION AND SEDIMENT CONTROL PLAN, AND MAINTAINED UNTIL PERMANENT PROTECTION IS ESTABLISHED.
- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CURRENT STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NJ. IF LANGUAGE CONTAINED WITHIN ANY OTHER PERMIT FOR THIS PROJECT IS MORE RESTRICTIVE THAN THIS DOCUMENT, THE MORE RESTRICTIVE IS CONTAINED WITHIN THESE NOTES OR ON THE CERTIFIED SOIL EROSION AND SEDIMENT CONTROL PLAN, THEN THE MORE RESTRICTIVE PERMIT REQUIREMENTS SHALL BE FOLLOWED.
- THE STANDARD FOR STABILIZED CONSTRUCTION ACCESS REQUIRES THE INSTALLATION OF A 1 1/2" TO 2" CLEAN STONE TRACKING PAD AT ALL CONSTRUCTION DRIVERS IMMEDIATELY AFTER INITIAL SITE DISTURBANCE. THE TRACKING PAD SHALL BE EMPLOYED OR NOT THE WIDTH SHALL SPAN THE FULL WIDTH OF EGRESS, AND LENGTH SHALL BE 50 FT. OR MORE, DEPENDING ON SITE CONDITIONS AND AS REQUIRED BY THE STANDARD. THIS SHALL INCLUDE INDIVIDUAL LOT ACCESS POINTS WITHIN RESIDENTIAL SUBDIVISIONS. IF THE EGRESS IS TO A COUNTY ROAD, THEN A 20 FT. LONG PAVED TRANSITION SHALL BE PROVIDED BETWEEN THE EDGE OF PAVEMENT AND THE STONE ACCESS PAD.
- A SUB-BASE COURSE WILL BE APPLIED IMMEDIATELY FOLLOWING ROUGH GRADING AND INSTALLATION OF IMPROVEMENTS IN ORDER TO STABILIZE STREETS, ROADS, DRIVEWAYS AND PARKING AREAS IN AREAS WHERE NO UTILITIES ARE PRESENT. THE SUB-BASE SHALL BE INSTALLED WITHIN 15 DAYS OF PRELIMINARY GRADING. PROVIDED THAT ALL OTHER REQUIREMENTS RELATED TO DETENTION BASINS, SWALES AND THE SEQUENCE OF CONSTRUCTION HAVE BEEN MET.
- ANY DISTURBED AREAS THAT WILL BE EXPOSED MORE THAN 14 DAYS AND NOT SUBJECT TO CONSTRUCTION ACTIVITY WILL IMMEDIATELY RECEIVE TEMPORARY STABILIZATION. IF THE SEASON PREVENTS ESTABLISHMENT OF A TEMPORARY VEGETATIVE COVER, OR IF THE AREA IS NOT TOPSOILED, THEN THE DISTURBED AREAS WILL BE MULCHED WITH STRAW, OR EQUIVALENT MATERIAL, AT A RATE OF TWO (2) TONS PER ACRE ACCORDING TO STATE STANDARDS. SLOPED AREAS IN EXCESS OF 3H:1V SHALL BE PROVIDED WITH EROSION CONTROL BLANKETS. CRITICAL AREAS SUBJECT TO EROSION (I.E. STEEP SLOPES, ROADWAY EMBANKMENTS, ENVIRONMENTALLY SENSITIVE AREAS) WILL RECEIVE TEMPORARY STABILIZATION IMMEDIATELY AFTER AN INITIAL DISTURBANCE OR ROUGH GRADING.
- ANY STEEP SLOPES (I.E. SLOPES GREATER THAN 3:1) RECEIVING PIPELINE OR UTILITY INSTALLATION WILL BE BACKFILLED AND STABILIZED DAILY, AS THE INSTALLATION PROCEEDS.
- PERMANENT VEGETATION SHALL BE SEEDING OR SOILED ON ALL EXPOSED AREAS WITHIN TEN (10) DAYS AFTER FINAL GRADING AND TOPSOILING. ALL AGRONOMIC REQUIREMENTS CONTAINED WITHIN THE STANDARD PLAN SHALL BE EMPLOYED AND COVERED WITH MULCH WITH A BINDER, IN ACCORDANCE WITH THE STANDARDS. SHALL BE USED ON ALL SEEDED AREAS. SAVE ALL TAGS AND/OR BAGS USED FOR SEED, LIME, AND FERTILIZER, AND PROVIDE THEM TO THE DISTRICT INSPECTOR TO VERIFY THAT MIXTURES AND RATES MEET THE STANDARDS.
- AT THE TIME WHEN THE SITE PREPARATION FOR PERMANENT VEGETATIVE STABILIZATION IS GOING TO BE ACCOMPLISHED, ANY SOIL THAT WILL NOT PROVIDE A SUITABLE ENVIRONMENT TO SUPPORT APPROPRIATE VEGETATIVE COVER SHALL BE REMOVED OR TREATED IN SUCH A WAY THAT WILL PERMANENTLY ADJUST THE SOIL CONDITIONS AND RENDER IT SUITABLE FOR VEGETATIVE GROUND COVER. IF THE REMOVAL OF THE SOIL WILL NOT PROVIDE SUITABLE CONDITIONS, THEN NON-VEGETATIVE MEANS OF PERMANENT GROUND STABILIZATION WILL HAVE TO BE EMPLOYED.
- DURING THE COURSE OF CONSTRUCTION, SOIL COMPACTION MAY OCCUR WITHIN ROAD ROUTES, STAGING AREAS, AND OTHER PROJECT AREAS. IN ACCORDANCE WITH THE STANDARD FOR TOPSOILING, COMPACTED SURFACES SHOULD BE SCARIFIED 6" TO 12" IMMEDIATELY PRIOR TO TOPSOIL APPLICATION. THIS WILL HELP ENSURE A GOOD BOND BETWEEN THE TOPSOIL AND SUBGRADE. SOIL COMPACTION IS PERMISSIBLE ONLY WHERE THERE IS NO DANGER TO UNDERGROUND UTILITIES (CABLES, IRRIGATION SYSTEMS, ETC.)
- PRIOR TO SEEDING, TOPSOIL SHALL BE WORKED TO PREPARE A PROPER SEEDBED. THIS SHALL INCLUDE RAKING OF THE TOPSOIL AND REMOVAL OF DEBRIS AND STONES, ALONG WITH OTHER REQUIREMENTS OF THE STANDARD FOR PERMANENT VEGETATIVE COVER FOR SOIL STABILIZATION.
- IN ACCORDANCE WITH THE STANDARD FOR MANAGEMENT OF HIGH ACID PRODUCING SOILS, ANY SOIL HAVING A PH OF 4 OR LESS OR CONTAINING IRON SULFIDES SHALL BE BURIED WITH LIMESTONE IN ACCORDANCE WITH THE STANDARD AND BE COVERED WITH A MINIMUM OF 12" OF SOIL HAVING A PH OF 5 OR MORE PRIOR TO TOPSOIL APPLICATION AND SEEDBED PREPARATION. IF THE AREA IS TO RECEIVE TREE OR SHRUB PLANTINGS OR IS LOCATED ON A SLOPE, THEN THE AREA SHALL BE COVERED WITH A MINIMUM OF 24" OF SOIL HAVING A PH OF 5 OR MORE.
- MULCHING TO THE STANDARDS IS REQUIRED FOR OBTAINING A CONDITIONAL REPORT OF COMPLIANCE. CONDITIONAL ROCS ARE ONLY ISSUED WHEN THE SEASON PROHIBITS SEEDING. PERMANENT STABILIZATION MUST THEN BE COMPLETED DURING THE SEASON SEEDING SEASON IMMEDIATELY FOLLOWING THE CONDITIONAL ROC OR THE COMPLETION OF WORK IN A GIVEN AREA.
- HYDROSEEDING IS A TWO-STEP PROCESS. THE FIRST STEP INCLUDES SEED, FERTILIZER, LIME, ETC., ALONG WITH MINIMAL AMOUNTS OF MULCH TO PROMOTE CONSISTENCY. GOOD SEED-TO-SOIL CONTACT, AND GIVE A VISUAL INDICATION OF COVERAGE. UPON COMPLETION OF THE SEEDING OPERATION, THE SEED SHALL BE COVERED WITH A MINIMUM OF 12" OF SOIL. IN THE SECOND STEP, THE USE OF HYDROMULCH, AS OPPOSED TO STRAW, IS LIMITED TO OPTIMUM SEEDING DATES AS LISTED IN THE STANDARDS. THE USE OF HYDROMULCH ON SLOPED AREAS IS DISCOURAGED.
- THE CONTRACTOR IS RESPONSIBLE FOR KEEPING ALL ADJACENT ROADS CLEAN DURING THE LIFE OF THE CONSTRUCTION PROJECT. ALL SEDIMENT WASHED, DROPPED, TRACKED OR SPILLED ONTO PAVED SURFACES SHALL BE IMMEDIATELY REMOVED.
- THE DEVELOPER SHALL BE RESPONSIBLE FOR REMEDIATING ANY EROSION OR SEDIMENT PROBLEMS THAT ARISE AS A RESULT OF ONGOING CONSTRUCTION AND FOR EMPLOYING AN ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES AT THE REQUEST OF THE MERCER COUNTY SOIL CONSERVATION DISTRICT.
- CONDUIT OUTLET PROTECTION MUST BE INSTALLED AT ALL REQUIRED OUTFALLS PRIOR TO THE DRAINAGE SYSTEM BECOMING OPERATIONAL.
- ALL DETENTION / RETENTION BASINS MUST BE FULLY CONSTRUCTED (INCLUDING OF ALL STRUCTURAL COMPONENTS AND LINERS) AND PERMANENTLY STABILIZED PRIOR TO PAVING OR PRIOR TO THE ADDITION OF ANY IMPERVIOUS SURFACES. PERMANENT STABILIZATION INCLUDES, BUT IS NOT LIMITED TO: TOPSOIL, SEED, STRAW MULCH AND BINDERS TO EROSION CONTROL BLANKETS ON ALL SEEDING, ALL AGRONOMIC REQUIREMENTS AS SPECIFIED ON THE CERTIFIED SOIL EROSION AND SEDIMENT CONTROL PLAN. INSTALLATION OF THE OUTFLOW CONTROL, STRUCTURES AND DISCHARGE STORM DRAINAGE PIPING, LOW FLOW CHANNELS, CONDUIT OUTLET PROTECTION, EMERGENCY SPILLWAYS, AND LAMP RING PROTECTION.
- THE FINISH SURFACE OF ALL UTILITY TRENCHES WITHIN PAVED AREAS SHALL BE 3/4" CLEAN STONE OR BASE PAVEMENT UNTIL SUCH TIME AS FINAL PAVEMENT HAS BEEN INSTALLED. TEMPORARY SOIL FRODING SURFACES ARE PROHIBITED. ALL CONSTRUCTION DEWATERING (TRENCHES, EXCAVATIONS, ETC.) MUST BE DONE THROUGH AN INLET OR OUTLET FILTER IN ACCORDANCE WITH THE STANDARD FOR DEWATERING OR AS DESCRIBED ON THE CERTIFIED SOIL EROSION AND SEDIMENT CONTROL PLAN. DISCHARGE LOCATIONS FOR THE DEWATERING OPERATION MUST CONTAIN PERENNIAL VEGETATION OR A SIMILAR STABLE SURFACE.
- ALL CONSTRUCTION DEWATERING (TRENCHES, EXCAVATIONS, ETC.) MUST BE DONE THROUGH AN INLET OR OUTLET FILTER IN ACCORDANCE WITH THE STANDARD FOR DEWATERING OR AS DESCRIBED ON THE CERTIFIED SOIL EROSION AND SEDIMENT CONTROL PLAN. DISCHARGE LOCATIONS FOR THE DEWATERING OPERATION MUST CONTAIN PERENNIAL VEGETATION OR SIMILAR STABLE SURFACE.
- ALL SWALES OR CHANNELS THAT WILL RECEIVE RUNOFF FROM PAVED SURFACES MUST BE PERMANENTLY STABILIZED PRIOR TO THE INSTALLATION OF PAVEMENT. IF THE ESTABLISHMENT OF PERMANENT STABILIZATION, THE SWALES OR CHANNELS MUST BE TEMPORARILY STABILIZED IN ACCORDANCE WITH THE STANDARDS.
- N.J.S.A. 2:24-39 ET SEQ. REQUIRES THAT NO CERTIFICATE OF OCCUPANCY OR TEMPORARY CERTIFICATE OF OCCUPANCY BE ISSUED BY THE MUNICIPALITY BEFORE THE PROVISIONS OF THE CERTIFIED SOIL EROSION AND SEDIMENT CONTROL PLAN HAVE BEEN SATISFIED. THEREFORE, ALL SITE WORK FOR SITE PLANS AND ALL WORK AROUND INDIVIDUAL LOTS IN SUBDIVISIONS MUST BE COMPLETED BEFORE THE DISTRICT ISSUES A REPORT OF COMPLIANCE OR CONDITIONAL REPORT OF COMPLIANCE, WHICH MUST BE FORWARDED TO THE MUNICIPALITY PRIOR TO THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY OR TEMPORARY CERTIFICATE OF OCCUPANCY, RESPECTIVELY. MERCER COUNTY SOIL CONSERVATION DISTRICT 590 HUGHES DRIVE, HAMILTON SQUARE, NJ 08690

LIMIT OF DISTURBANCE LINE HAS BEEN OFFSET FOR GRAPHICAL PURPOSES. ACTUAL LIMIT OF DISTURBANCE WILL OCCUR AT THE SILT FENCE OR LIMIT OF GRADING.

SOIL EROSION & SEDIMENT CONTROL PLAN NOTES

- 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, IN THEIR ENTIRETY. THE CONTRACTOR MUST BE FAMILIAR WITH AND ACKNOWLEDGE FAMILIARITY WITH ALL OF THE GENERAL NOTES AND ALL OF THE PLANS' SPECIFIC NOTES.
- EROSION CONTROL MEASURES MUST CONFORM TO THE "NEW JERSEY" GUIDELINES FOR URBAN EROSION AND SEDIMENT CONTROL, UNLESS OTHERWISE NOTED, OR UNLESS ENGINEER CLEARLY AND SPECIFICALLY, IN WRITING, DIRECTS OTHERWISE. INSTALLATION OF EROSION CONTROL, CLEARING, AND SITE WORK MUST BE PERFORMED EXACTLY AS INDICATED IN THE EROSION CONTROL CONSTRUCTION NOTES.
- THE DISTURBED LAND AREA OF THIS SITE IS APPROXIMATELY 4.76 ACRES. THE FOLLOWING EROSION CONTROL MEASURES ARE PROPOSED FOR THIS SITE:
A. STABILIZED CONSTRUCTION ENTRANCE/EXIT - A TEMPORARY GRAVEL CONSTRUCTION ENTRANCE/EXIT TO BE INSTALLED AT THE DESIGNATED LOCATION SHOWN ON THE PLAN. THIS AREA MUST BE GRADED SO THAT RUNOFF WATER WILL BE RETAINED ON-SITE.
B. SEDIMENT FENCE - INSTALL SILT FENCE(S) AND/OR SILT SOCK AROUND ALL OF THE DOWN-SLOPE PERIMETERS OF THE SITE. TEMPORARY FILL AND SOIL STOCKPILES.
C. INSTALL FILTER FABRIC DROP-INLET PROTECTION AROUND EACH DRAINAGE INLET AS DRAINAGE STRUCTURES ARE INSTALLED TO REDUCE THE QUANTITY OF SEDIMENT. INSTALL TEMPORARY INLET PROTECTION ON INLETS DOWN-SLOPE FROM DISTURBANCE, WHICH MAY BE BEYOND THE LIMITS OF DISTURBED AREA.
D. INSTALLATION OF EROSION CONTROL DEVICES MUST BE IN ACCORDANCE WITH ALL OF THE MANUFACTURER'S RECOMMENDATIONS.
E. THE CONTRACTOR MUST INSPECT EROSION CONTROL MEASURES WEEKLY. THE CONTRACTOR MUST REMOVE ANY SILT DEPOSITS GREATER THAN 8" COLLECTED ON THE FILTER FABRIC AND/OR SILT SOCK BARRIERS AND EXCAVATE AND REMOVE ANY SILT FROM DROP-INLET PROTECTION.
F. THE CONTRACTOR MUST APPLY TEMPORARY SEED AND MULCH TO ALL DISTURBED AREAS THAT WILL NOT BE BROUGHT TO FINISHED GRADE AND VEGETATED WITHIN 7 DAYS. WHEN AREAS ARE DISTURBED AFTER THE GROWING SEASON, THE CONTRACTOR MUST STABILIZE SAME WITH GEOTEXTILE FABRIC AND MAINTAIN SAME IN STRICT ACCORDANCE WITH BEST MANAGEMENT PRACTICES.
G. THE CONTRACTOR MUST INSTALL ADDITIONAL EROSION CONTROL MEASURES IF ENGINEER SO REQUIRES, TO PREVENT ANY INCLUDING THE INCIDENTAL DISCHARGE OF SILT-LADEN RUNOFF FROM EXITING THE SITE.
H. THE CONTRACTOR MUST BE RESPONSIBLE FOR INSPECTING AND MAINTAINING ALL EROSION CONTROL MEASURES ON THE SITE UNTIL PERMANENT PAVING AND TURFLANDSCAPING IS ESTABLISHED. THE COSTS OF INSTALLING AND MAINTAINING THE EROSION CONTROL MEASURES MUST BE INCLUDED IN THE BID PRICE FOR THE SITE WORK AND THE CONTRACTOR IS RESPONSIBLE FOR ALL SUCH COSTS.
I. THE CONTRACTOR MUST CONTINUE TO MAINTAIN ALL EROSION CONTROL MEASURES UNTIL THE COMPLETION OF CONSTRUCTION AND THE ESTABLISHMENT OF VEGETATION.
J. THE CONTRACTOR MUST REMOVE EROSION CONTROL MEASURES, SILT AND DEBRIS AFTER ESTABLISHING PERMANENT VEGETATION COVER OR OTHER INSTALLING A DIFFERENT SPECIFIED METHOD OF STABILIZATION.
K. THIS PLAN REPRESENTS THE MINIMUM LEVEL OF IMPLEMENTATION OF TEMPORARY EROSION AND SEDIMENTATION CONTROL FACILITIES, MEASURES AND STRUCTURES. ADDITIONAL FACILITIES, MEASURES AND STRUCTURES MUST BE INSTALLED WHERE NECESSARY TO COMPLY WITH ALL APPLICABLE CODES AND STANDARDS AND/OR TO PREVENT ANY INCLUDING THE INCIDENTAL DISCHARGE OF SILT-LADEN RUNOFF FROM EXITING THE SITE.
L. THE CONTRACTOR MUST PROTECT ALL EXISTING TREES AND SHRUBS. THE CONTRACTOR MUST REFER TO THE LANDSCAPE AND/OR DEMOLITION PLANS FOR TREE PROTECTION, FENCE LOCATIONS AND DETAILS.
M. THE CONTRACTOR MUST REFER TO GRADING PLANS FOR ADDITIONAL INFORMATION.
N. THE CONTRACTOR MUST CLEAN EXISTING AND PROPOSED DRAINAGE STRUCTURES AND INTERCONNECTING PIPES ON OR OFF-SITE AS THE JURISDICTIONAL AGENCY REQUIRES, BOTH AT THE TIME OF SITE STABILIZATION AND AT END OF PROJECT.
O. SOIL EROSION CONTROL MEASURES MUST BE ADJUSTED OR RELOCATED BY THE CONTRACTOR AS IDENTIFIED DURING SITE OBSERVATION IN ORDER TO MAINTAIN THE COMPLETE EFFECTIVENESS OF ALL CONTROL MEASURES.
P. THE CONTRACTOR MUST IDENTIFY, ON THE LOCATION OF WASTE CONTAINERS, FUEL STORAGE TANKS, CONCRETE WASHOUT AREAS AND ANY OTHER LOCATIONS WHERE HAZARDOUS MATERIALS ARE STORED.
- THE CONTRACTOR IS RESPONSIBLE TO MAINTAIN ON-SITE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) IN COMPLIANCE WITH EPA REQUIREMENTS FOR SITES WHERE ONE (1) ACRE OR MORE (UNLESS THE LOCAL JURISDICTION REQUIRES FEWER) IS DISTURBED BY CONSTRUCTION ACTIVITY. THE CONTRACTOR IS RESPONSIBLE TO ENSURE THAT ALL ACTIVITIES, INCLUDING THOSE OF SUBCONTRACTORS, ARE IN COMPLIANCE WITH THE SWPPP, INCLUDING BUT NOT LIMITED TO LOGGING ACTIVITIES (MINIMUM ONCE PER WEEK AND AFTER RAINFALL EVENTS) AND CORRECTIVE MEASURES, AS APPROPRIATE.

GRAPHIC LEGEND
(010102 - 031212)

	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
	EXIST. DIRECTION OF DRAINAGE FLOW ARROW
	EXIST. ELEVATION
	PROP. TOP OF CURB ELEVATION
	EXIST. GRADE ELEVATION
	PROP. TOP OF HIGH SIDE OF WALL
	PROP. TOP OF LOW SIDE OF WALL
	PROP. TOP OF CURB & FINISHED GRADE ELEV.
	EXIST. AREA/YARD LIGHT
	PROP. AREA/YARD LIGHT
	EXIST. CLEAN OUT
	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

SOIL DE-COMPACTION AND TESTING REQUIREMENTS
(1/28/2017)

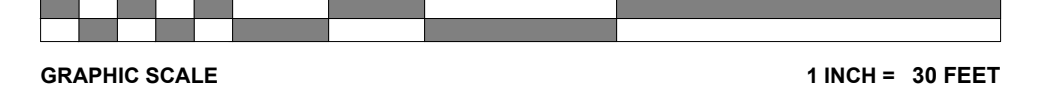
- SOIL COMPACTION TESTING REQUIREMENTS**
- SUBGRADE SOILS PRIOR TO THE APPLICATION OF TOPSOIL (SEE PERMANENT SEEDING AND STABILIZATION NOTES FOR TOPSOIL REQUIREMENTS) MUST BE FREE OF EXCESSIVE COMPACTION TO A DEPTH OF 6.0 INCHES TO ENHANCE THE ESTABLISHMENT OF PERMANENT VEGETATIVE COVER.
 - AREAS OF THE SITE WHICH ARE SUBJECT TO COMPACTION TESTING AND/OR MITIGATION ARE GRAPHICALLY DENOTED ON THE CERTIFIED SOIL EROSION CONTROL PLAN.
 - COMPACTION TESTING LOCATIONS ARE DENOTED ON THE PLAN. A COPY OF THE PLAN OR PORTION OF THE PLAN MUST BE USED TO MARK LOCATIONS OF TESTS, AND ATTACHED TO THE COMPACTION MITIGATION VERIFICATION FORM AVAILABLE FROM THE LOCAL SOIL CONSERVATION DISTRICT. THIS FORM MUST BE FILLED OUT AND SUBMITTED PRIOR TO RECEIVING A CERTIFICATE OF COMPLIANCE FROM THE DISTRICT.
 - IN THE EVENT THAT TESTING INDICATES COMPACTION IN EXCESS OF THE MAXIMUM THRESHOLDS INDICATED FOR THE SIMPLIFIED TESTING METHODS (SEE DETAILS BELOW), THE CONTRACTOR/OWNER SHALL HAVE THE OPTION TO PERFORM EITHER (1) COMPACTION MITIGATION OVER THE ENTIRE MITIGATION AREA DENOTED ON THE PLAN (EXCLUDING EXEMPT AREAS), OR (2) PERFORM ADDITIONAL MORE DETAILED TESTING TO ESTABLISH THE LIMITS OF EXCESSIVE COMPACTION WHEREUPON ONLY THE EXCESSIVELY COMPACTED AREAS WOULD REQUIRE COMPACTION MITIGATION. ADDITIONAL DETAILED TESTING MUST BE PERFORMED BY A TRAINED, LICENSED PROFESSIONAL.

- COMPACTION TESTING METHODS**
- A PROBING WIRE TEST (SEE DETAIL)
 - HAND-HELD PENETROMETER TEST (SEE DETAIL)
 - TUBE BULK DENSITY TEST (LICENSED PROFESSIONAL ENGINEER REQUIRED)
 - NUCLEAR DENSITY TEST (LICENSED PROFESSIONAL ENGINEER REQUIRED)
- NOTE: ADDITIONAL TESTING METHODS WHICH CONFORM TO ASTM STANDARDS AND SPECIFICATIONS, AND WHICH PRODUCE A DRY WEIGHT, SOIL BULK DENSITY MEASUREMENT MAY BE ALLOWED SUBJECT TO DISTRICT APPROVAL.
- SOIL COMPACTION TESTING IS NOT REQUIRED IF ANY SUBSOIL COMPACTION REMEDIATION (SCARIFICATION/TILLAGE (6" MINIMUM DEPTH) OR SIMILAR) IS PROPOSED AS PART OF THE SEQUENCE OF CONSTRUCTION.
- PROCEDURES FOR SOIL COMPACTION MITIGATION**
- PROCEDURES MUST BE USED TO MITIGATE EXCESSIVE SOIL COMPACTION PRIOR TO PLACEMENT OF TOPSOIL AND ESTABLISHMENT OF PERMANENT VEGETATIVE COVER.
- RESTORATION OF COMPACTED SOILS MUST BE THROUGH DEEP SCARIFICATION/TILLAGE (6" MINIMUM DEPTH) WHERE THERE IS NO DANGER TO UNDERGROUND UTILITIES (CABLES, IRRIGATION SYSTEMS, ETC.). IN THE ALTERNATIVE, ANOTHER METHOD AS SPECIFIED BY A NEW JERSEY LICENSED PROFESSIONAL ENGINEER MAY BE SUBSTITUTED SUBJECT TO DISTRICT APPROVAL.

LEGEND
PROPOSED

	INLET FILTER
	SILT FENCE
	LIMIT OF DISTURBANCE
	CONSTRUCTION ENTRANCE
	30' PAVED TRANSITION
	SOIL COMPACTION AREA
	TEMPORARY STOCK PILE

THIS PLAN TO BE UTILIZED FOR SOIL EROSION AND SEDIMENT CONTROL PURPOSES ONLY



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REVISIONS

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1	03/09/2022	REV PER DCC 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	MAI	TXL
5	09/18/2023	REV PER TOWNSHIP COMMENTS	MAI	TXL
6	11/07/2023	REV PER TOWNSHIP COMMENTS	MAI	TXL
7	01/12/2024	REV PER TOWNSHIP COMMENTS	KK	TXL

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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 HIGHWAY TOWN ROAD AND 125 SOUTHFIELD ROAD
TOWNSHIP OF WEST WINDSOR
MERCER COUNTY, NEW JERSEY

BOHLER
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T. LAM
PROFESSIONAL ENGINEER
NEW JERSEY LICENSE NO. 47862
NEW YORK LICENSE NO. 029242
CONNECTICUT LICENSE NO. 30024
PENNSYLVANIA LICENSE NO. 76748

SOIL EROSION & SEDIMENT CONTROL PLAN
SHEET NUMBER:
C-601
REVISION 7 - 01/12/2024

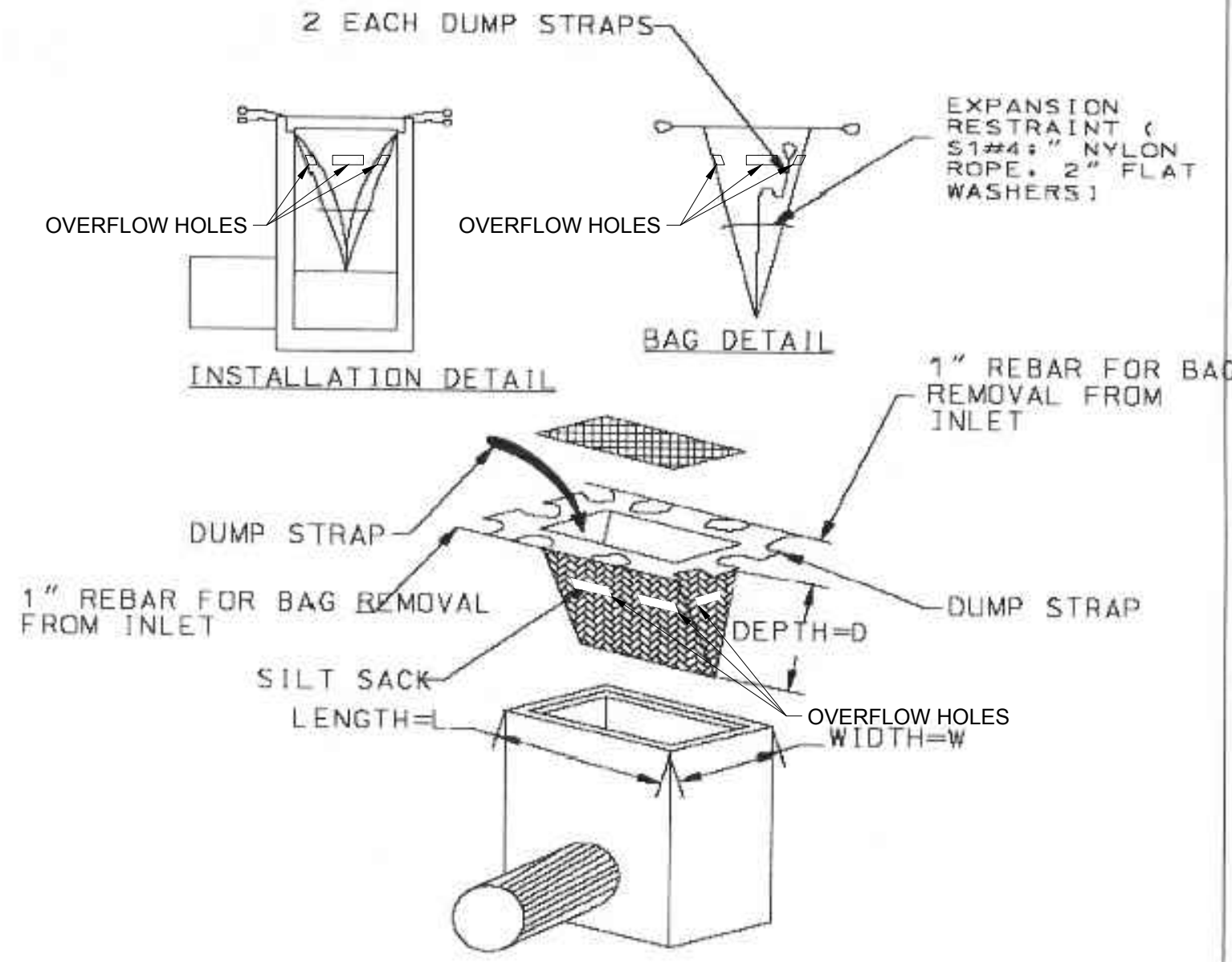
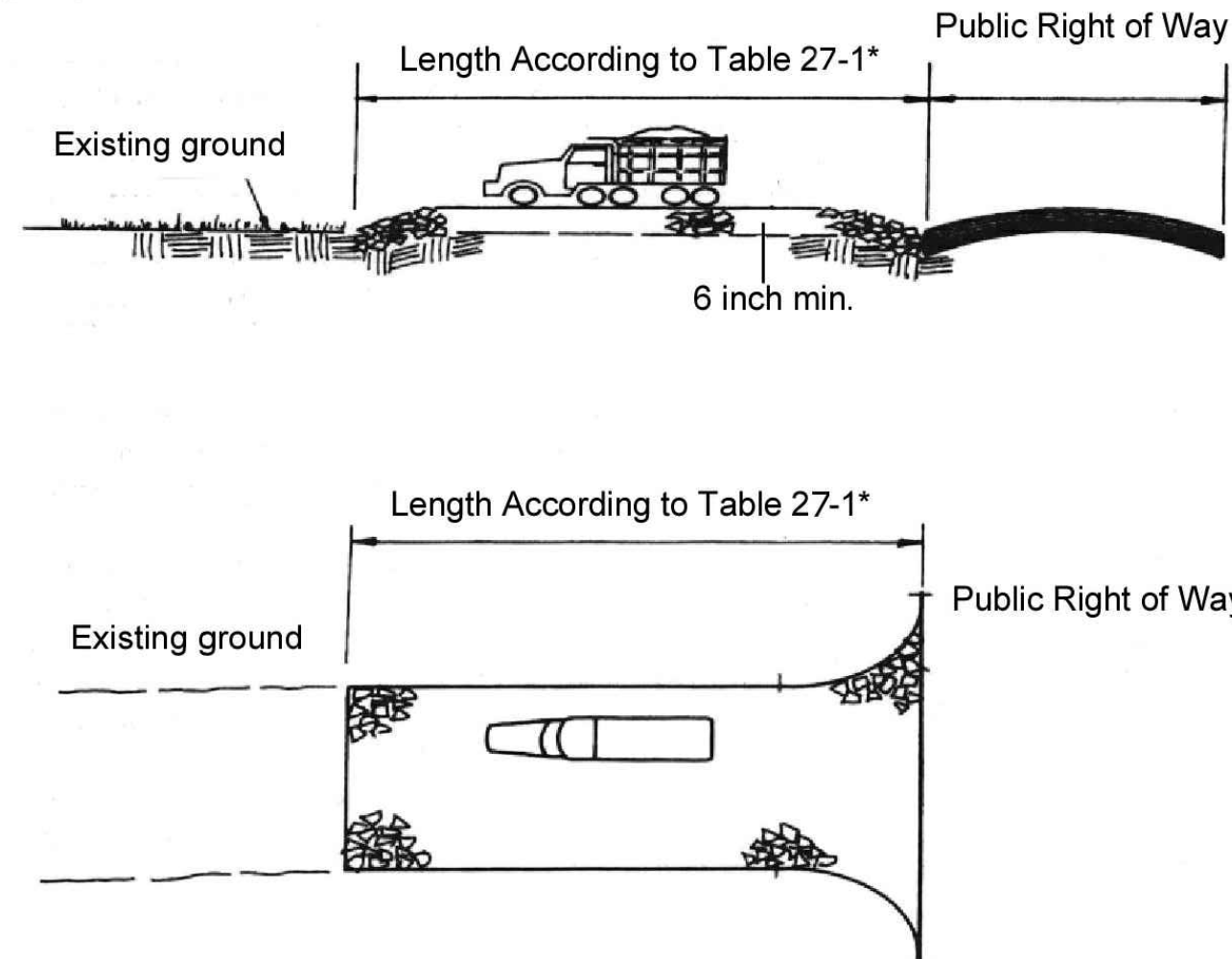


Figure 27-1: Stabilized Construction Access

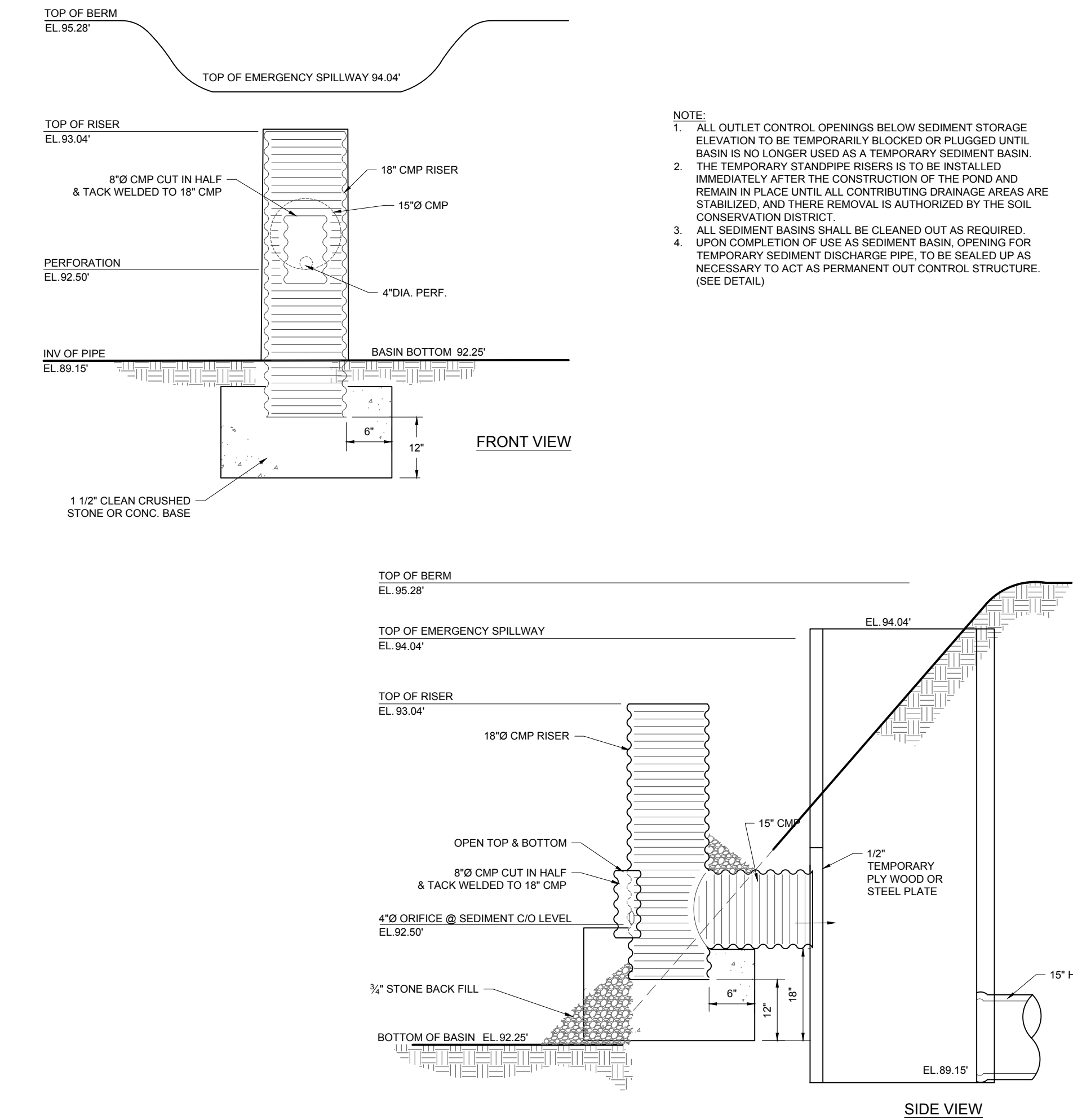


* Note: Individual lot access points may require stabilization. Thickness shown is for stone construction entrance only (typ).

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

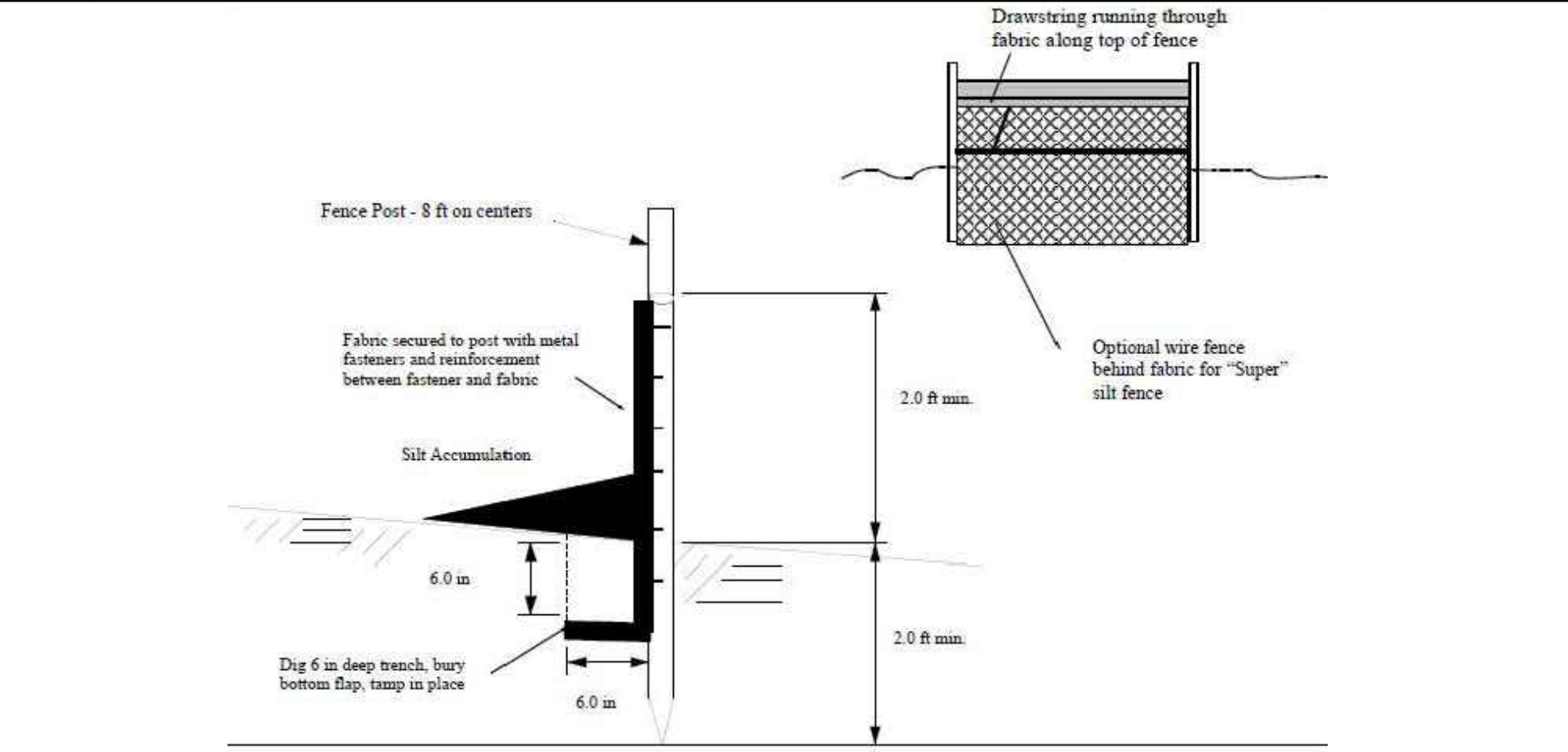
Percent Slope of Roadway	Length of Stone Required	
	Coarse Grained Soils	Fine Grained Soils
0 to 2%	50 ft.	100 ft.
2 to 5%	100 ft.	200 ft.
> 5%	Surface stabilized with Hot Mix Asphalt base course*	

* As prescribed by local ordinance or other governing authority.

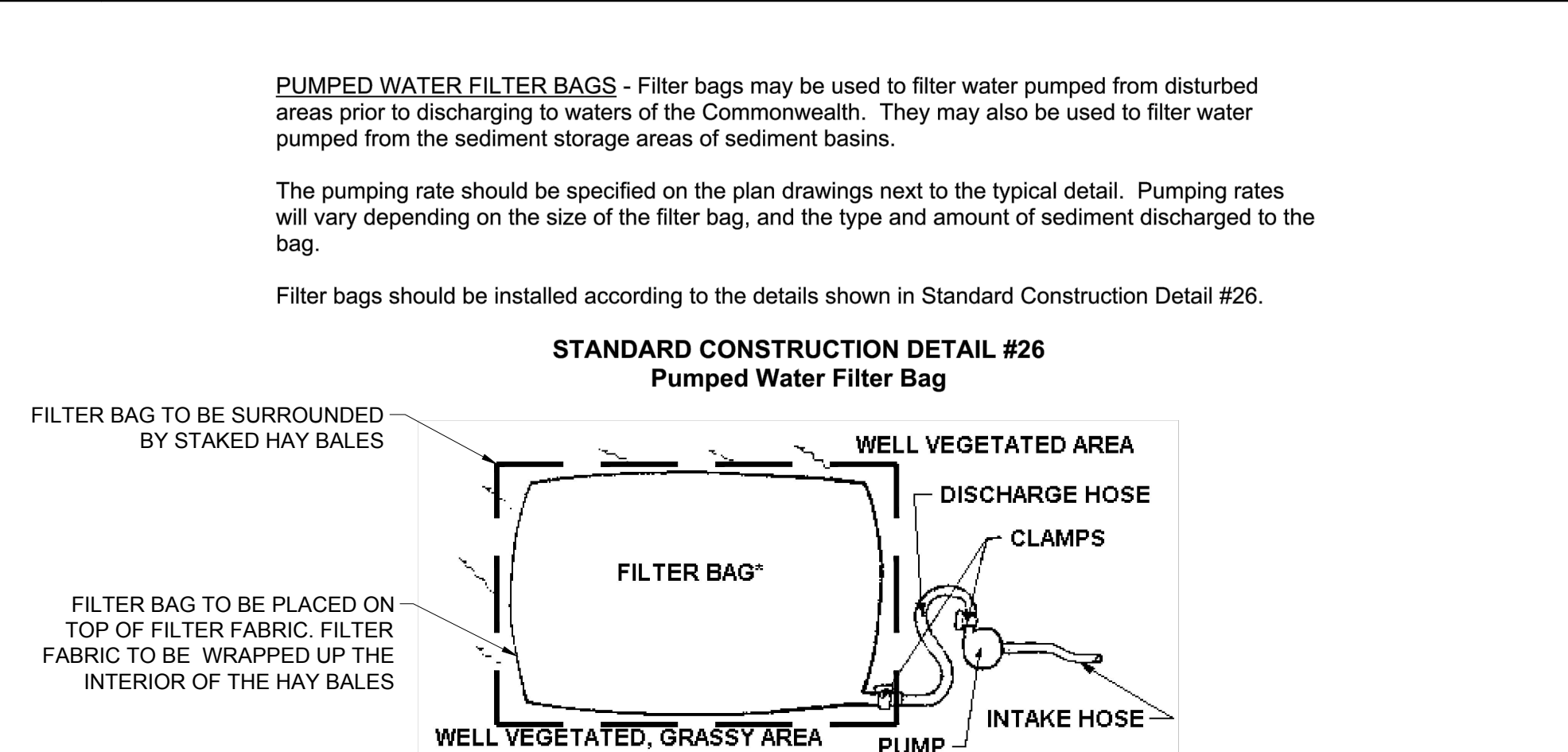


NOTE:
 1. ALL OUTLET CONTROL OPENINGS BELOW SEDIMENT STORAGE ELEVATION TO BE TEMPORARILY BLOCKED OR PLUGGED UNTIL BASIN IS NO LONGER USED AS A TEMPORARY SEDIMENT BASIN.
 2. THE TEMPORARY STANDPIPE RISERS IS TO BE INSTALLED IMMEDIATELY AFTER THE CONSTRUCTION OF THE POND AND REMAIN IN PLACE UNTIL ALL CONTRIBUTING 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)



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



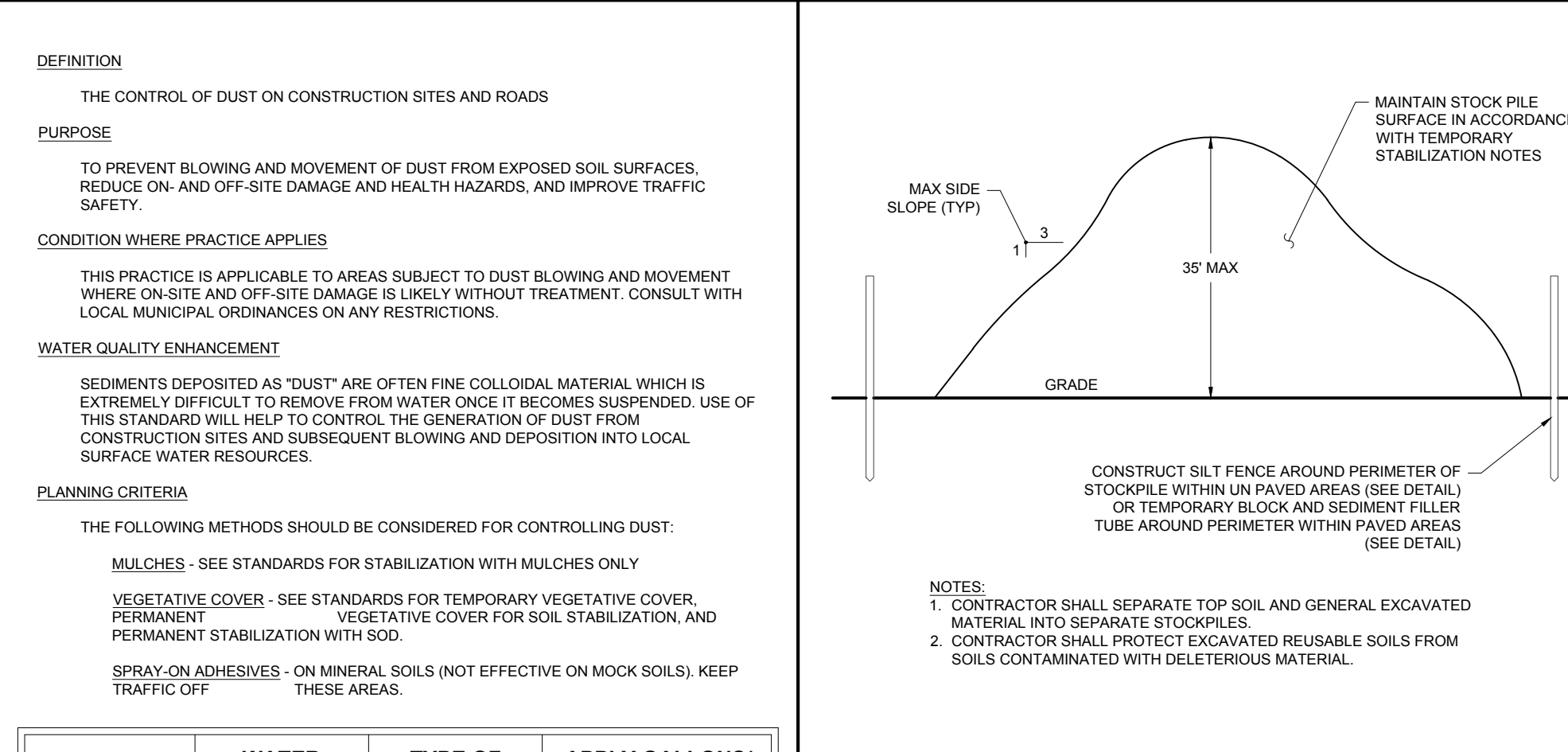
PUMPED WATER FILTER BAGS - Filter bags may be used to filter water pumped from disturbed areas prior to discharging to waters of the Commonwealth. They may also be used to filter water pumped from the sediment storage areas of sediment basins.

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.

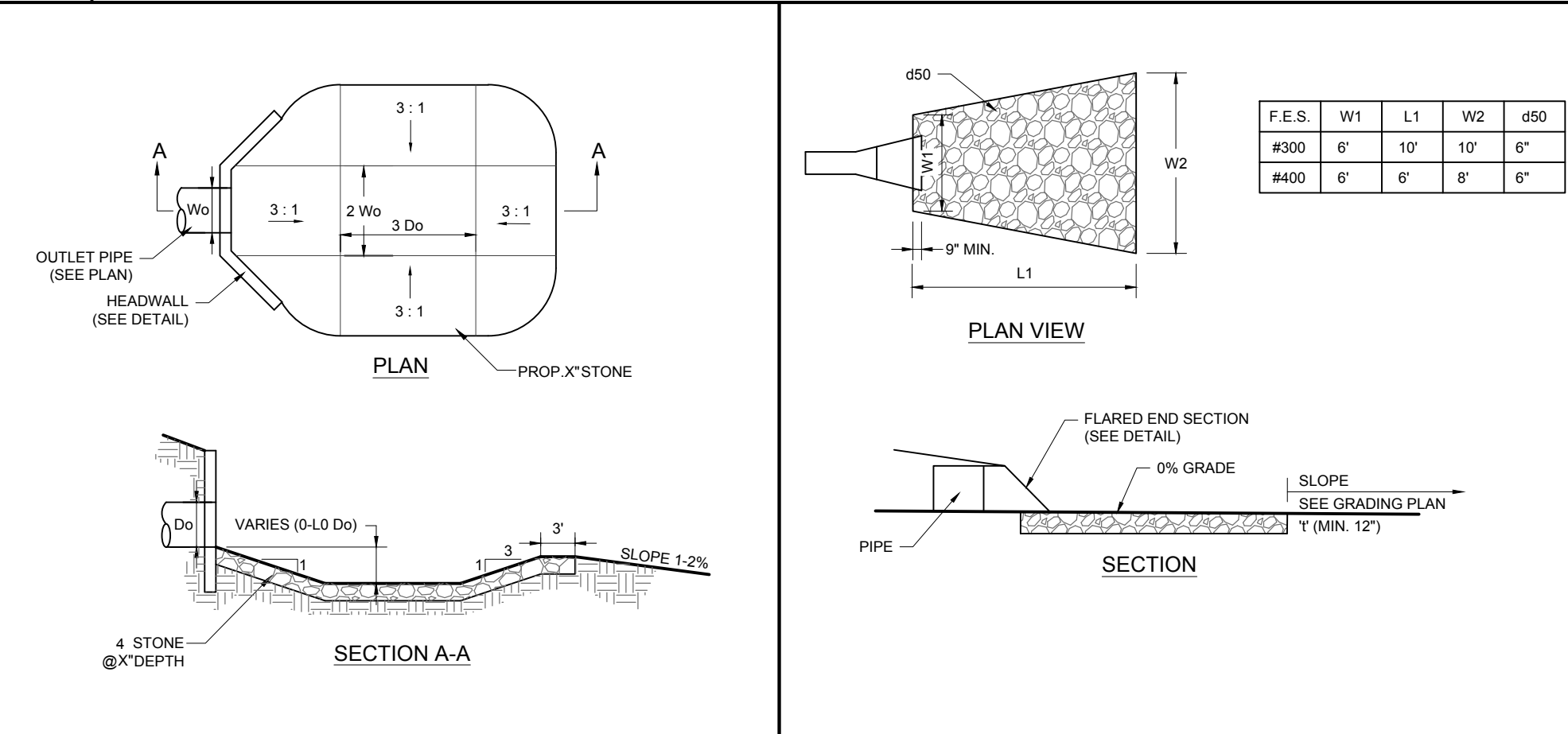
Filter bags should be installed according to the details shown in Standard Construction Detail #26.

STANDARD CONSTRUCTION DETAIL #26 Pumped Water Filter Bag

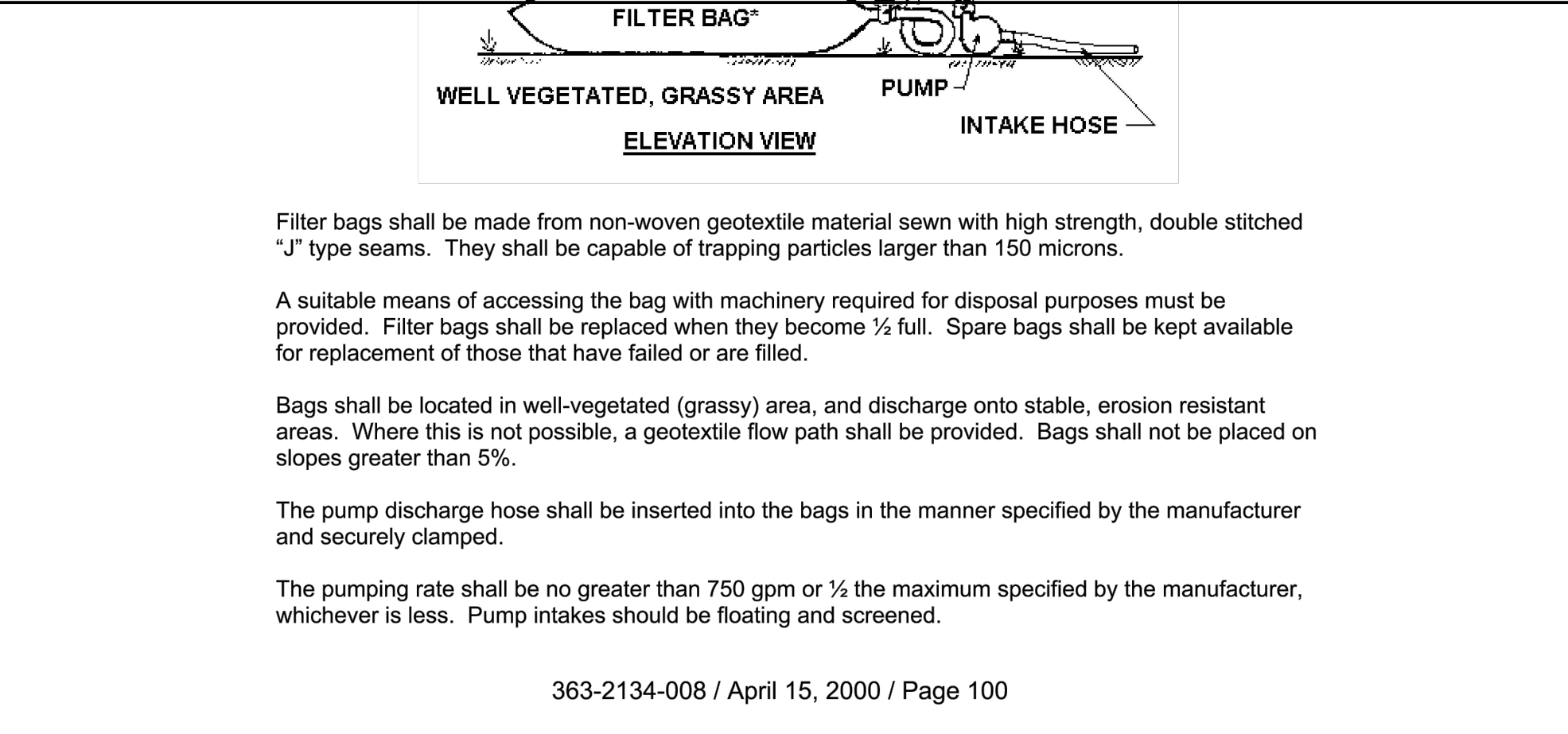
3 TEMPORARY SEDIMENT CONTROL RISER #1 DETAIL
 NOT TO SCALE (0069904-01/2013)



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



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



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.

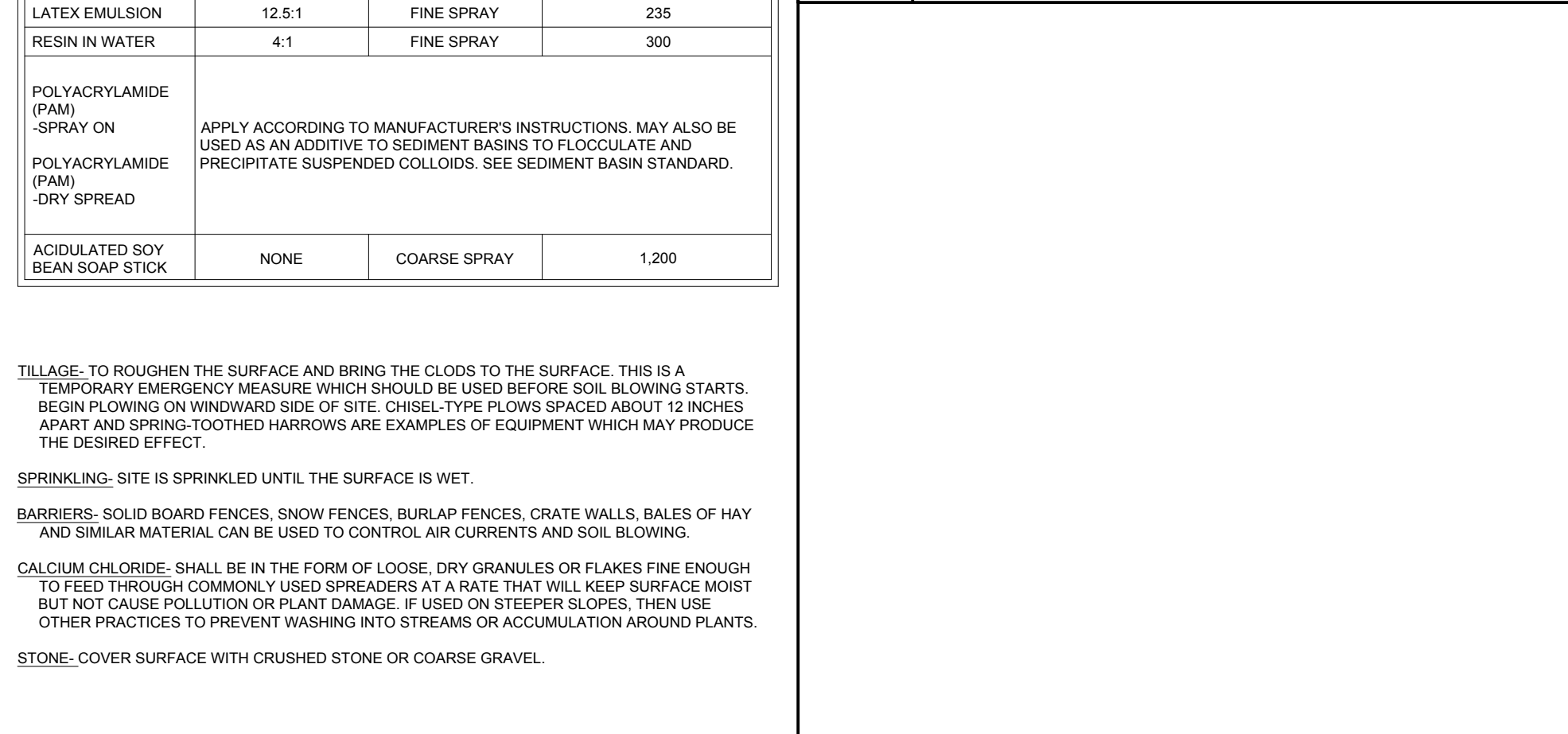
A suitable means of accessing the bag with machinery required for disposal purposes must be provided. Filter bags shall be replaced when they become 1/2 full. Spare bags shall be kept available for replacement of those that have failed or are filled.

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.

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



	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	APPLY ACCORDING TO MANUFACTURER'S INSTRUCTIONS. MAY ALSO BE USED AS AN ADDITIVE TO SEDIMENT BASINS TO FLOCCULATE AND PRECIPITATE SUSPENDED COLLOIDS. SEE SEDIMENT BASIN STANDARD.		
POLYACRYLAMIDE (PAM) - DRY SPREAD			
ACIDULATED SOY BEAN SOAP STICK		NONE	COARSE SPRAY

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.

4 PREFORMED SCOUR HOLE DETAIL
 NOT TO SCALE (0018902-01/2013)

5 FLARED END RIP RAP DETAIL
 NOT TO SCALE (0998909 - 09/2016)

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

7 NJSCD STANDARD FOR DUST CONTROL
 NOT TO SCALE (0998916 - 2/2018)

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3	02/21/2023	REV. PER TOWNSHIP COMMENTS	TXL	TXL
4	04/12/2023	REV. PER TOWNSHIP COMMENTS	TXL	MED
5	09/18/2023	REV. PER COUNTY ROW IMPROVEMENTS	TXL	MAJ/TBW
6	11/07/2023	REV. PER TOWNSHIP COMMENTS	TXL	MAI
7	01/12/2024	REV. PER TOWNSHIP COMMENTS	TXL	KK

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PROJECT No.: J190844
 DRAWN BY: CPR
 CHECKED BY: TXL
 DATE: 11/04/2021
 CAD ID: J190844-COVR-7A

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 SOUTHFIELD ROAD
 TOWNSHIP OF WEST WINDSOR MERCER COUNTY, NEW JERSEY

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 BOHLER ENGINEERING NJ, LLC
 30 INDEPENDENCE BLVD., SUITE 200
 WARREN, NJ 07059
 Phone: (908) 685-6300
 Fax: (908) 754-4401
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 NJ CERT. OF AUTHORIZATION NO. 24G28191700 & M6000122

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

SOIL EROSION & SEDIMENT CONTROL DETAILS

SHEET NUMBER:
C-602
 REVISION 7 - 01/12/2024



BIORETENTION BASIN PLANTING SOIL BED MIX SPECIFICATIONS:

SOURCE: NEW JERSEY BEST MANAGEMENT PRACTICE MANUAL CHAPTER 9.1, PAGE 7

THE SOIL BED MATERIAL MUST CONSIST OF THE FOLLOWING MIX BY WEIGHT: 85 TO 95% SAND, WITH NO MORE THAN 25% OF THE SAND AS FINE OR VERY FINE SANDS; NO MORE THAN 15% SILT AND CLAY WITH 2% TO 5% CLAY CONTENT. THE ENTIRE MIX MUST THEN BE AMENDED WITH 3 TO 7% ORGANICS, BY WEIGHT.

BIORETENTION BASIN NOTES

- NEW JERSEY STORMWATER BEST MANAGEMENT PRACTICES MANUAL (MARCH 2021) HAS BEEN REFERENCED FOR BIORETENTION LANDSCAPE DESIGN
- RECOMMENDED NUMBER OF STEMS PER ACRE SHOULD AVERAGE 1,000 WITH TREE SPACING OF 12 FEET AND SHRUB SPACING OF 8 FEET, PER THE BEST MANAGEMENT PRACTICES MANUAL.
- TWO (2) BASINS HAVE BEEN PROPOSED ON SITE.

OWNER MAINTENANCE RESPONSIBILITIES

UPON OWNER'S (OR OWNER CONTRACTOR'S) COMPLETION OF LANDSCAPING WORK, THE OWNER IS FULLY RESPONSIBLE FOR ALL FUTURE MAINTENANCE, CARE, WATERING, AND TRIMMING OF ALL INSTALLED VEGETATION, PLANTS, TREE, BUSHES, SHRUBS, GRASSES, GRASS, ORNAMENTAL PLANTS AND FLOWERS, FLOWERS, GROUND COVER, AND LANDSCAPING, INCLUDING ALL LANDSCAPE ISLANDS AND AREAS ADJACENT OR PART OF THE LANDSCAPED AREAS. THIS RESPONSIBILITY INCLUDES, BUT IS NOT LIMITED TO, THE FOLLOWING:

- TREES ADJACENT TO WALKWAYS AND AREAS OF PEDESTRIAN TRAFFIC MUST BE MAINTAINED TO ASSURE THAT ANY BRANCHES MUST BE LIMBED UP TO A CLEARANCE HEIGHT OF 7 FT. (FROM ALL PEDESTRIAN SURFACES) OR PRUNED BACK TO AVOID ANY INTERFERENCE WITH THE TYPICAL PATH OF TRAVEL.
 - TREES WITHIN VEHICULAR SIGHT LINES, AS ILLUSTRATED ON THE LANDSCAPE PLAN, ARE TO BE TRIMMED TO A CLEARANCE HEIGHT OF 7 FT. (FROM ALL PAVED, TRAVELED SURFACES), OR AS OTHERWISE INDICATED ON THE PLANS.
 - VEGETATIVE GROUND COVER, SHRUBS AND ORNAMENTAL PLANTS AND GRASSES MUST BE TRIMMED SO THAT NO PORTION OF THE PLANT EXCEEDS 30 INCHES ABOVE GRADE (OF ALL PAVED, TRAVEL SURFACES) ALONG AND WITHIN THE SIGHT LINES OF PARKING LOTS AND INGRESS-EGRESS WAYS.
 - FALLEN PLANT FLOWERS, FRUIT, SEEDS AND DEBRIS DROPPINGS ARE TO BE REMOVED IMMEDIATELY FROM VEHICULAR AND PEDESTRIAN TRAFFIC AREAS TO PREVENT TRIPPING, SLIPPING OR ANY OTHER HAZARDS.
- THESE REQUIREMENTS DO NOT AFFECT THE PLANT LIFE GUARANTEES THE LANDSCAPE CONTRACTOR IS REQUIRED TO PROVIDE.

BIORETENTION BASIN #1 SCHEDULE

KEY	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	CONT.
DECIDUOUS SHRUB(S)					
CNB	15	PHYSOCARPUS OPIULIFOLIUS	COMMON NINEBARK	24-30" HT. @ 1-2" MIN. SPRD.	CONTAINER
IVJD	13	ILEX VERTICILLATA 'JIM DANDY'	JIM DANDY WINTERBERRY HOLLY	30-36" HT. @ 1-2" MIN. SPRD.	CONTAINER
IVRS	14	ILEX VERTICILLATA 'RED SPRITE'	RED SPRITE WINTERBERRY HOLLY	30-36" HT. @ 1-2" MIN. SPRD.	CONTAINER
LB	22	LINDERA BENZOIN	SPICEBUSH	30-36" HT. @ 1-2" MIN. SPRD.	CONTAINER
VC	18	VACCINIUM CORYMBOSUM	HIGHBUSH BLUEBERRY	30-36" HT. @ 1-2" MIN. SPRD.	CONTAINER
SUBTOTAL: 82					
EVERGREEN SHRUB(S)					
IG	28	ILEX GLABRA	INKBERRY HOLLY	30" MIN. HT. @ 20" SPRD.	B+B
SUBTOTAL: 28					
ORNAMENTAL GRASS(ES)					
PVI	20	PANICUM VIRGATUM	SWITCH GRASS	2 GAL.	CONTAINER
SUBTOTAL: 20					

NOTES: 1. IF ANY DISCREPANCIES OCCUR BETWEEN THE AMOUNTS SHOWN IN THE PLAN AND THE PLANT LIST, THE PLAN WILL DICATE. 2. THIS SCHEDULE IS FOR BIORETENTION BASIN #1 ONLY. REFER TO LANDSCAPE SCHEDULE FOR OVERALL LANDSCAPING.

BIORETENTION BASIN SCHEDULE #2

KEY	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	CONT.
DECIDUOUS SHRUB(S)					
CNB	5	PHYSOCARPUS OPIULIFOLIUS	COMMON NINEBARK	24-30" HT. @ 1-2" MIN. SPRD.	CONTAINER
IVJD	4	ILEX VERTICILLATA 'JIM DANDY'	JIM DANDY WINTERBERRY HOLLY	30-36" HT. @ 1-2" MIN. SPRD.	CONTAINER
IVRS	3	ILEX VERTICILLATA 'RED SPRITE'	RED SPRITE WINTERBERRY HOLLY	30-36" HT. @ 1-2" MIN. SPRD.	CONTAINER
LB	4	LINDERA BENZOIN	SPICEBUSH	30-36" HT. @ 1-2" MIN. SPRD.	CONTAINER
VC	4	VACCINIUM CORYMBOSUM	HIGHBUSH BLUEBERRY	30-36" HT. @ 1-2" MIN. SPRD.	CONTAINER
SUBTOTAL: 20					
EVERGREEN SHRUB(S)					
IG	11	ILEX GLABRA	INKBERRY HOLLY	30" MIN. HT. @ 20" SPRD.	B+B
SUBTOTAL: 11					
ORNAMENTAL GRASS(ES)					
PVI	3	PANICUM VIRGATUM	SWITCH GRASS	2 GAL.	CONTAINER
SUBTOTAL: 3					

NOTES: 1. IF ANY DISCREPANCIES OCCUR BETWEEN THE AMOUNTS SHOWN IN THE PLAN AND THE PLANT LIST, THE PLAN WILL DICATE. 2. THIS SCHEDULE IS FOR BIORETENTION BASIN #2 ONLY. REFER TO LANDSCAPE SCHEDULE FOR OVERALL LANDSCAPING.

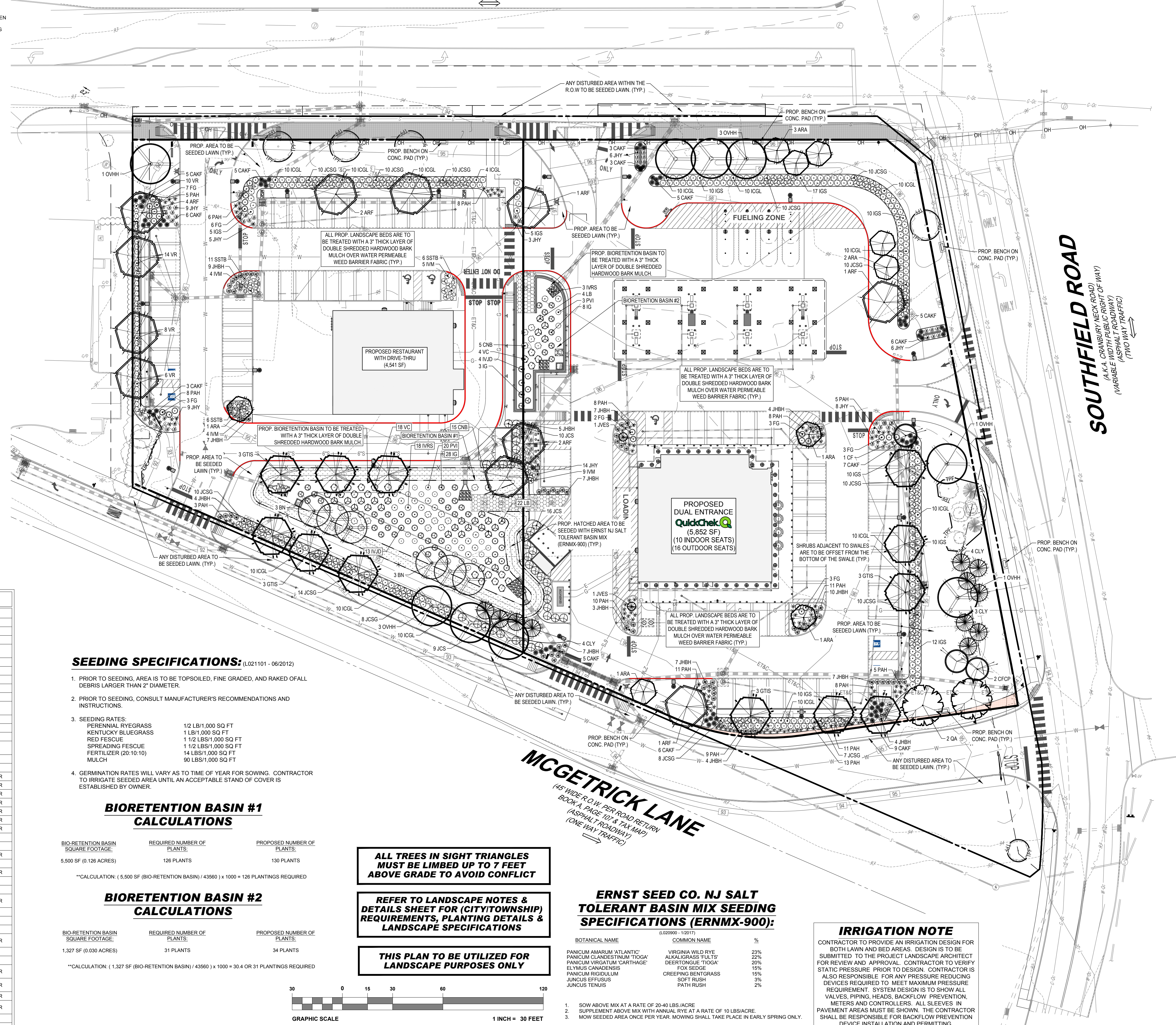
OVERALL LANDSCAPE SCHEDULE

KEY	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	CONT.
SHADE TREE(S)					
ARA	9	ACER RUBRUM 'ARMSTRONG'	ARMSTRONG COLUMNAR RED MAPLE	2 1/2-3" CAL. @ 12-16' HT.	B+B
ARF	11	ACER RUBRUM 'FRANKSRED'	RED SUNSET MAPLE	2 1/2-3" CAL. @ 12-16' HT.	B+B
GTIS	12	GLADIOLIA TRIACANTHOS VAR. 'INERMIS'	SHADEMASTER HONEYLOCUST	2 1/2-3" CAL. @ 12-16' HT.	B+B
OVNH	9	OSTRYA VIRGINIANA	AMERICAN HOPHORNBEAM	2 1/2-3" CAL. @ 12-16' HT.	B+B
QA	2	QUERCUS ALBA	WHITE OAK	2 1/2-3" CAL. @ 12-16' HT.	B+B
SUBTOTAL: 43					
ORNAMENTAL TREE(S)					
BNC	6	BETULA NIGRA 'CLUMPS'	CLUMP RIVER BIRCH	2-2 1/2" CAL. @ 12-14' HT.	B+B
CFCP	3	CORNUS FLORIDA 'CHEROKEE PRINCESS'	CHEROKEE PRINCESS DOGWOOD	2-2 1/2" CAL. @ 12-14' HT.	B+B
SUBTOTAL: 9					
EVERGREEN TREE(S)					
CLY	11	X CUPRESSOCYPARIS LEYLANDII	LEYLAND CYPRESS	6-7' HT. @ 4-5' SPRD.	B+B
JVES	2	JUNIPERUS VIRGINIANA 'EMERALD SENTINEL'	EMERALD SENTINEL EASTERN RED CEDAR	8-10' HT. @ 3-4' SPRD.	B+B
SUBTOTAL: 13					
DECIDUOUS SHRUB(S)					
CNB	20	PHYSOCARPUS OPIULIFOLIUS	COMMON NINEBARK	24-30" HT. @ 5-6 CANES	CONTAINER
FG	27	FOTHERGILLIA GARDENII	DWARF FOTHERGILLA	24-30" HT. @ 4-5 CANES	CONTAINER
IVJD	17	ILEX VERTICILLATA 'JIM DANDY'	JIM DANDY WINTERBERRY HOLLY	30-36" HT. @ 5-6 CANES	CONTAINER
IVNI	22	ITEA VIRGINICA 'MERLOT'	GARNET SWEETSPIRE	24-30" HT. @ 5-6 CANES	CONTAINER
IVRS	17	ILEX VERTICILLATA 'RED SPRITE'	RED SPRITE WINTERBERRY HOLLY	30-36" HT. @ 5-6 CANES	CONTAINER
LB	26	LINDERA BENZOIN	SPICEBUSH	30-36" HT. @ 4-5 CANES	CONTAINER
VC	22	VACCINIUM CORYMBOSUM	HIGHBUSH BLUEBERRY	30-36" HT. @ 5-6 CANES	CONTAINER
SUBTOTAL: 151					
EVERGREEN SHRUB(S)					
ICGL	134	ILEX CRENATA 'GREEN LUSTER'	GREEN LUSTER HOLLY	24-30" HT. @ 16-20" SPRD.	CONTAINER
IG	39	ILEX GLABRA	INKBERRY HOLLY	30" MIN. HT. @ 20" SPRD.	B+B
IGS	89	ILEX GLABRA 'SHAMROCK'	SHAMROCK INKBERRY HOLLY	24-30" HT. @ 16-20" SPRD.	CONTAINER
JCS	135	JUNIPERUS CHINENSIS 'SPARTAN'	SPARTAN JUNIPER	6-7' HT. @ 4-5' SPRD.	B+B
JCSG	127	JUNIPERUS CHINENSIS 'SEA GREEN'	SEA GREEN JUNIPER	24-30" HT. @ 24-30" SPRD.	B+B
JHY	67	JUNIPERUS HORIZONTALIS 'YOUNGSTOWN'	ANDORRA JUNIPER	12-18" HT. @ 18-24" SPRD.	CONTAINER
VPR	38	VIBURNUM PRAGENSE	PRAGUE VIBURNUM	3-4' HT. @ 24-28" SPRD.	B+B
SUBTOTAL: 529					
GROUND COVER(S)					
JH8	85	JUNIPERUS HORIZONTALIS 'BAR HARBOR'	BAR HARBOR CREEPING JUNIPER	18-24" SPRD.	CONTAINER
SUBTOTAL: 85					
ORNAMENTAL GRASS(ES)					
CAKF	68	CALAMAGROSTIS ARUNDINACEA 'RAHL FORDERST'	FEATHER REED GRASS	2 GAL.	CONTAINER
PAH	131	PENNISETUM ALPICOLOIDES 'HAMELN'	DWARF FOUNTAIN GRASS	2 GAL.	CONTAINER
PVI	23	PANICUM VIRGATUM	SWITCH GRASS	2 GAL.	CONTAINER
SSTB	23	SCHIZACHYRIUM SCOPARIUM 'THE BLUES'	LITTLE BLUE STEM	2 GAL.	CONTAINER
SUBTOTAL: 245					

1. NOTE: IF ANY DISCREPANCIES OCCUR BETWEEN THE AMOUNTS SHOWN IN THE PLAN AND THE PLANT LIST, THE PLAN WILL DICATE. 2. THIS LANDSCAPE SCHEDULE INCLUDES QUANTITIES FOR BIORETENTION BASINS #1 AND #2.

PRINCETON - HIGHTSTOWN ROAD

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



SEEDING SPECIFICATIONS: (L021101 - 06/2012)

- PRIOR TO SEEDING, AREA IS TO BE TOPSOILED, FINE GRADED, AND RAKED OF ALL DEBRIS LARGER THAN 2" DIAMETER.
- PRIOR TO SEEDING, CONSULT MANUFACTURER'S RECOMMENDATIONS AND INSTRUCTIONS.
- SEEDING RATES:
 - PERENNIAL RYEGRASS: 1/2 LB/1,000 SQ FT
 - KENTUCKY BLUEGRASS: 1 LB/1,000 SQ FT
 - RED FESCUE: 1 1/2 LBS/1,000 SQ FT
 - SPREADING FESCUE: 1 1/2 LBS/1,000 SQ FT
 - FERTILIZER (20-10-10) MULCH: 14 LBS/1,000 SQ FT
 - MULCH: 90 LBS/1,000 SQ FT
- GERMINATION RATES WILL VARY AS TO TIME OF YEAR FOR SOWING. CONTRACTOR TO IRRIGATE SEEDED AREA UNTIL AN ACCEPTABLE STAND OF COVER IS ESTABLISHED BY OWNER.

BIORETENTION BASIN #1 CALCULATIONS

BIO-RETENTION BASIN SQUARE FOOTAGE:	REQUIRED NUMBER OF PLANTS:	PROPOSED NUMBER OF PLANTS:
5,500 SF (0.128 ACRES)	126 PLANTS	130 PLANTS

*CALCULATION: (5,500 SF (BIO-RETENTION BASIN) / 43560) x 1000 = 126 PLANTINGS REQUIRED

BIORETENTION BASIN #2 CALCULATIONS

BIO-RETENTION BASIN SQUARE FOOTAGE:	REQUIRED NUMBER OF PLANTS:	PROPOSED NUMBER OF PLANTS:
1,327 SF (0.030 ACRES)	31 PLANTS	34 PLANTS

*CALCULATION: (1,327 SF (BIO-RETENTION BASIN) / 43560) x 1000 = 30.4 OR 31 PLANTINGS REQUIRED

ALL TREES IN SIGHT TRIANGLES MUST BE LIMBED UP TO 7 FEET ABOVE GRADE TO AVOID CONFLICT

REFER TO LANDSCAPE NOTES & DETAILS SHEET FOR (CITY/TOWNSHIP) REQUIREMENTS, PLANTING DETAILS & LANDSCAPE SPECIFICATIONS

THIS PLAN TO BE UTILIZED FOR LANDSCAPE PURPOSES ONLY

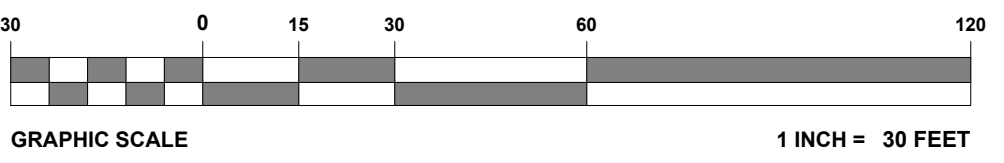
ERNST SEED CO. NJ SALT TOLERANT BASIN MIX SEEDING SPECIFICATIONS (ERNMX-900):

BOTANICAL NAME	COMMON NAME	%
PANICUM AMARUM 'ATLANTIC'	VIRGINIA WILD RYE	23%
PANICUM CLANDESTINUM 'TIGGA'	ALKALGRASS FULFS'	22%
PANICUM VIRGATUM 'CARTRIDGE'	DEERTONGUE TIGGA'	20%
ELYMUS CANADENSIS	FOX SEDGE	15%
PANICUM RIGIDUM	CREEPING BENTGRASS	15%
JUNCUS EFFUSUS	SOFT RUSH	3%
JUNCUS TENUIS	PATH RUSH	2%

- SOW ABOVE MIX AT A RATE OF 20-40 LBS/ACRE
- SUPPLEMENT ABOVE MIX WITH ANNUAL RYE AT A RATE OF 10 LBS/ACRE
- MOW SEEDED AREA ONCE PER YEAR. MOWING SHALL TAKE PLACE IN EARLY SPRING ONLY.

IRRIGATION NOTE

CONTRACTOR TO PROVIDE AN IRRIGATION DESIGN FOR BOTH LAWN AND BED AREAS. DESIGN IS TO BE SUBMITTED TO THE PROJECT LANDSCAPE ARCHITECT FOR REVIEW AND APPROVAL. CONTRACTOR TO VERIFY STATIC PRESSURE PRIOR TO DESIGN. CONTRACTOR IS ALSO RESPONSIBLE FOR ANY PRESSURE REDUCING DEVICES REQUIRED TO MEET MAXIMUM PRESSURE REQUIREMENT. SYSTEM DESIGN IS TO SHOW ALL VALVES, PIPING, HEADS, BACKFLOW PREVENTION, METERS AND CONTROLLERS. ALL SLEEVES IN PAVEMENT AREAS MUST BE SHOWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR BACKFLOW PREVENTION DEVICE INSTALLATION AND PERMITTING.



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

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	MAI	TXL
5	09/18/2023	REV. PER COUNTY COMMENTS	MAI	TXL
6	11/07/2023	REV. PER TOWNSHIP COMMENTS	MAI	TXL
7	01/12/2024	REV. PER TOWNSHIP COMMENTS	MAI	TXL

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PROJECT No.: J190844
DRAWN BY: CPR
CHECKED BY: TXL
DATE: 11/04/2024
CAD ID: J190844-LSCP-7A

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 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) 754-4401
www.BohlerEngineering.com
NJ CERT. OF AUTHORIZATION NO. 24628917000 & M6000122

T. LAM
PROFESSIONAL ENGINEER
NEW JERSEY LICENSE No. 47863
NEW YORK LICENSE No. 092942
CONNECTICUT LICENSE No. 30024
PENNSYLVANIA LICENSE No. 76748

LANDSCAPE PLAN

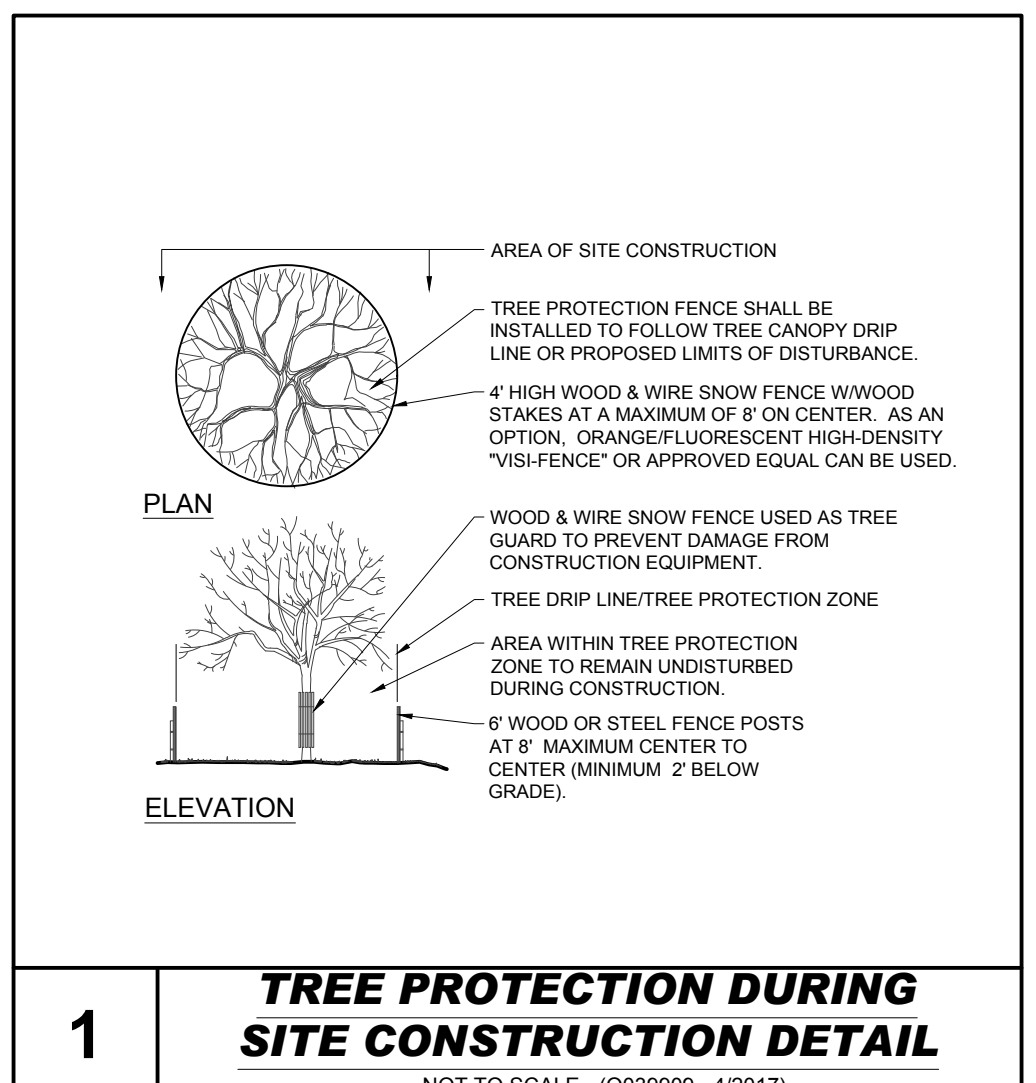
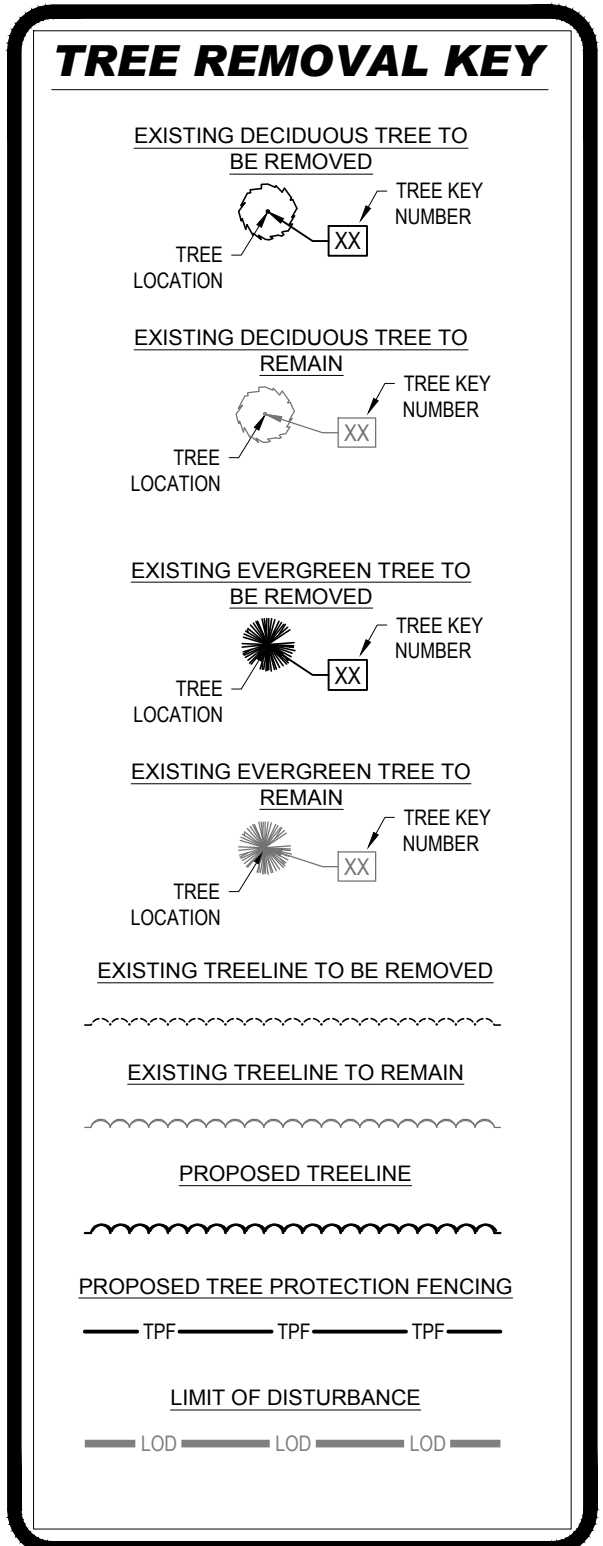
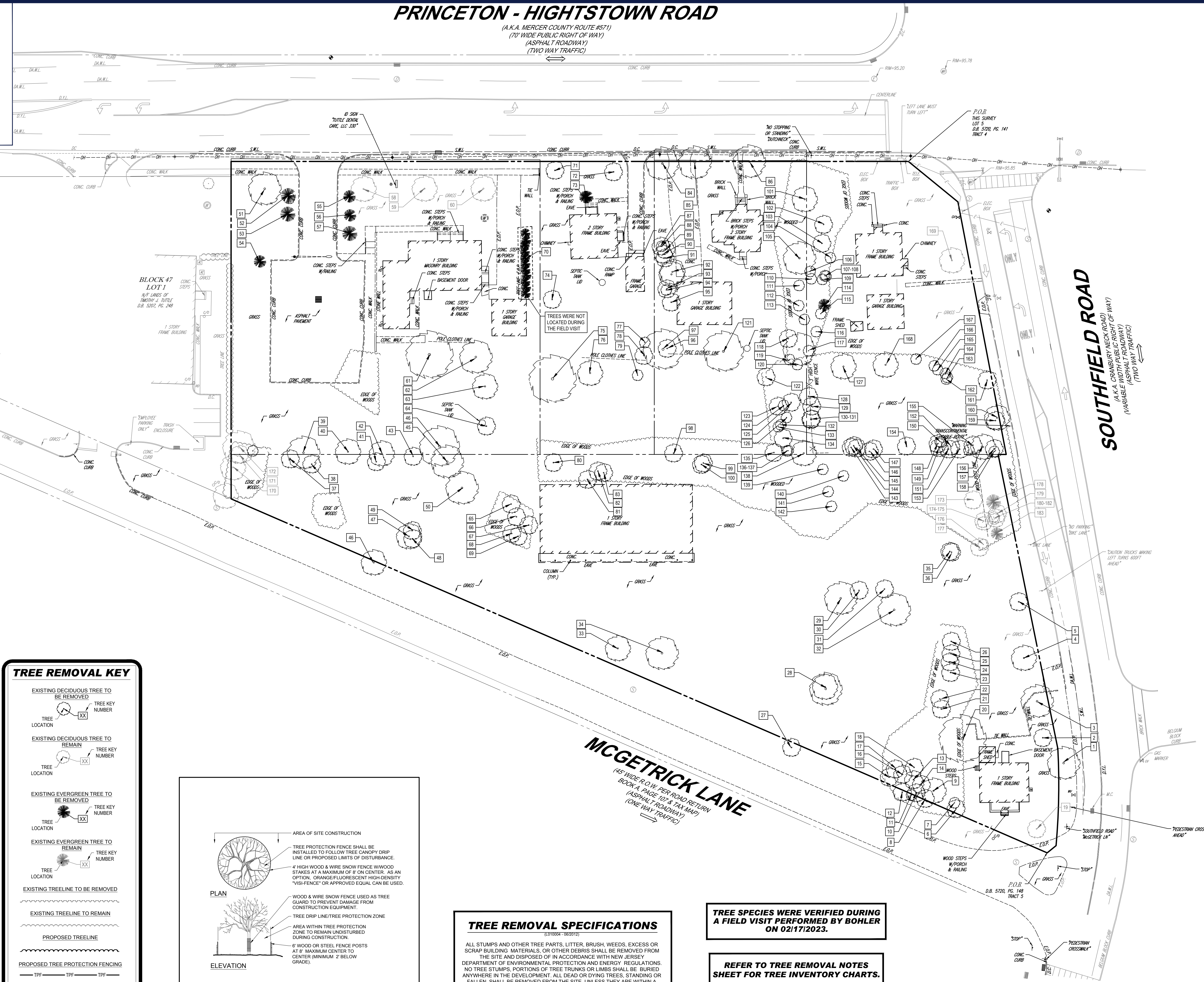
SHEET NUMBER:
C-701

REVISION 7 - 01/12/2024

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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 SPECIFICATIONS

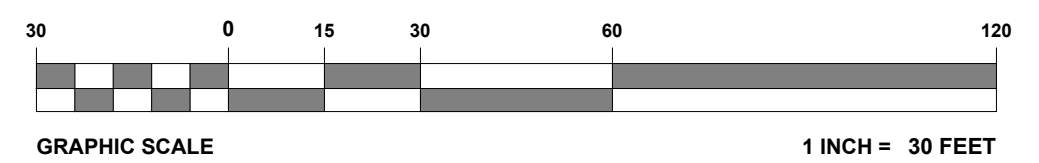
(0310004 - 06/2012)

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



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

REVISIONS

REV	DATE	COMMENT	CHECKED BY
1	03/09/2022	REV. PER DRCC COMMENTS	CPR
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4	04/12/2023	REV. PER TOWNSHIP COMMENTS	TXL
5	09/18/2023	REV. PER COUNTY ROW IMPROVEMENTS	MAITW
6	11/07/2023	REV. PER TOWNSHIP COMMENTS	MAI
7	01/12/2024	REV. PER TOWNSHIP COMMENTS	KK

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PROJECT No.: J190844
DRAWN BY: CPR
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DATE: 11/04/2024
CAD ID: J190844-TREM-7A

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
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PROFESSIONAL ENGINEER
NEW JERSEY LICENSE NO. 47862
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PENNSYLVANIA LICENSE NO. 76748

SHEET TITLE:
TREE REMOVAL PLAN
SHEET NUMBER:
C-703
REVISION 7 - 01/12/2024

C:\001\10844\CADD\DRAWINGS\PLAN SETS\CIVIL SITE PLANS\J190844-TREM-7A-LAYOUT_C-703 TREE REMOVAL

TREE INVENTORY					
TREE #	SCIENTIFIC NAME	COMMON NAME	DBH (INCHES)	CONDITION	TBR (Y/N)
1	JUGLANS NIGRA	BLACK WALNUT	30		Y
2	PINUS BUNGEANA	LACEBARK PINE	14		Y
3	PINUS STROBUS	EASTERN WHITE PINE	36		Y
4	PINUS STROBUS	EASTERN WHITE PINE	22		Y
5	MALUS SPP.	CRABAPPLE	20	POOR	Y
6	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	18		Y
7	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	8		Y
8	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	10		Y
9	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	22		Y
10	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	14		Y
11	PRUNUS SEROTINA	BLACK CHERRY	6		Y
12	PRUNUS SEROTINA	BLACK CHERRY	8		Y
13	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	14		Y
14	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	16		Y
15	PRUNUS SEROTINA	BLACK CHERRY	10		Y
16	PRUNUS SEROTINA	BLACK CHERRY	8	POOR	Y
17	PRUNUS SEROTINA	BLACK CHERRY	8		Y
18	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	12		Y
19	BETULA NIGRA	RIVER BIRCH	18		N
20	QUERCUS ALBA	WHITE OAK	52	POOR	Y
21	N/A	N/A		DEAD	Y
22	QUERCUS ALBA	WHITE OAK	38	POOR	Y
23	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	28		Y
24	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	22		Y
25	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	30		Y
26	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	24		Y
27	PRUNUS SEROTINA	BLACK CHERRY	16		Y
28	N/A	N/A	24.2	DEAD	Y
29	QUERCUS ALBA	WHITE OAK	48	POOR	Y
30	QUERCUS ALBA	WHITE OAK	26		Y
31	QUERCUS ALBA	WHITE OAK	24		Y
32	QUERCUS ALBA	WHITE OAK	42		Y
33	MALUS SPP.	CRABAPPLE	26		Y
34	ACER SACCHARINUM	SILVER MAPLE	60	POOR	Y
35	QUERCUS ALBA	WHITE OAK	20		Y
36	QUERCUS ALBA	WHITE OAK	22		Y
37	QUERCUS ALBA	WHITE OAK	18	POOR	Y
38	QUERCUS ALBA	WHITE OAK	16		Y
39	QUERCUS ALBA	WHITE OAK	40		Y
40	QUERCUS ALBA	WHITE OAK	22		Y
41	QUERCUS ALBA	WHITE OAK	20		Y
42	QUERCUS ALBA	WHITE OAK	20		Y
43	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	16		Y
44	QUERCUS ALBA	WHITE OAK	54		Y
45	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	42		Y
46	PINUS STROBUS	EASTERN WHITE PINE	32		Y
47	MALUS SPP.	CRABAPPLE	32	POOR	Y
48	MALUS SPP.	CRABAPPLE	12	POOR	Y
49	ACER SACCHARINUM	SILVER MAPLE	10	POOR	Y
50	ACER SACCHARINUM	SILVER MAPLE	48		Y
51	QUERCUS ALBA	WHITE OAK	42		Y
52	PINUS STROBUS	EASTERN WHITE PINE	34		Y
53	PINUS STROBUS	EASTERN WHITE PINE	30		Y
54	N/A	N/A	N/A	DEAD	Y
55	PINUS STROBUS	EASTERN WHITE PINE	24		Y

TREE INVENTORY					
TREE #	SCIENTIFIC NAME	COMMON NAME	DBH (INCHES)	CONDITION	TBR (Y/N)
56	PINUS STROBUS	EASTERN WHITE PINE	24		Y
57	PINUS STROBUS	EASTERN WHITE PINE	28		Y
58	QUERCUS ALBA	WHITE OAK	30		N
59	QUERCUS ALBA	WHITE OAK	22		N
60	QUERCUS ALBA	WHITE OAK	28		N
61	QUERCUS ALBA	WHITE OAK	62	POOR	Y
62	QUERCUS ALBA	WHITE OAK	48	POOR	Y
63	QUERCUS ALBA	WHITE OAK	30	POOR	Y
64	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	16	POOR	Y
65	ACER SACCHARINUM	SILVER MAPLE	18	POOR	Y
66	ACER SACCHARINUM	SILVER MAPLE	12	POOR	Y
67	MALUS SPP.	CRABAPPLE	18	POOR	Y
68	ACER SACCHARINUM	SILVER MAPLE	20		Y
69	MALUS SPP.	CRABAPPLE	14	POOR	Y
70	TEES WERE NOT LOCATED DURING THE FIELD VISIT.				
71	MALUS SPP.	CRABAPPLE	24		Y
72	PRUNUS SEROTINA	CRABAPPLE	24	POOR	Y
73	PINUS STROBUS	EASTERN WHITE PINE	22		Y
74	N/A	N/A	N/A	DEAD	Y
75	QUERCUS ALBA	WHITE OAK	72	POOR	Y
76	QUERCUS ALBA	WHITE OAK	32	POOR	Y
77	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	6		Y
78	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	12		Y
79	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	6		Y
80	N/A	N/A	N/A	DEAD	Y
81	QUERCUS ALBA	WHITE OAK	20	POOR	Y
82	QUERCUS ALBA	WHITE OAK	16	POOR	Y
83	QUERCUS ALBA	WHITE OAK	12	POOR	Y
84	QUERCUS ALBA	WHITE OAK	28		Y
85	QUERCUS ALBA	WHITE OAK	30		Y
86	QUERCUS ALBA	WHITE OAK	32		Y
87	QUERCUS ALBA	WHITE OAK	10		Y
88	QUERCUS ALBA	WHITE OAK	16		Y
89	QUERCUS ALBA	WHITE OAK	16		Y
90	QUERCUS ALBA	WHITE OAK	16		Y
91	QUERCUS ALBA	WHITE OAK	18	POOR	Y
92	QUERCUS ALBA	WHITE OAK	38		Y
93	QUERCUS ALBA	WHITE OAK	28		Y
94	QUERCUS ALBA	WHITE OAK	8		Y
95	QUERCUS ALBA	WHITE OAK	20		Y
96	QUERCUS ALBA	WHITE OAK	20		Y
97	QUERCUS ALBA	WHITE OAK	40		Y
98	QUERCUS ALBA	WHITE OAK	20		Y
99	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	20		Y
100	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	22		Y
101	QUERCUS ALBA	WHITE OAK	20	POOR	Y
102	QUERCUS ALBA	WHITE OAK	14	POOR	Y
103	QUERCUS ALBA	WHITE OAK	16		Y
104	QUERCUS ALBA	WHITE OAK	8		Y
105	QUERCUS ALBA	WHITE OAK	28		Y
106	QUERCUS ALBA	WHITE OAK	8		Y
107	QUERCUS ALBA	WHITE OAK	6		Y
108	QUERCUS ALBA	WHITE OAK	6		Y
109	QUERCUS ALBA	WHITE OAK	6		Y
110	QUERCUS ALBA	WHITE OAK	8		Y

TREE INVENTORY					
TREE #	SCIENTIFIC NAME	COMMON NAME	DBH (INCHES)	CONDITION	TBR (Y/N)
111	QUERCUS ALBA	WHITE OAK	6		Y
112	QUERCUS ALBA	WHITE OAK	8		Y
113	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	10		Y
114	PINUS STROBUS	EASTERN WHITE PINE	10		Y
115	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	8		Y
116	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	8		Y
117	QUERCUS ALBA	WHITE OAK	6		Y
118	QUERCUS ALBA	WHITE OAK	12		Y
119	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	6		Y
120	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	8		Y
121	N/A	N/A	N/A	DEAD	Y
122	QUERCUS ALBA	WHITE OAK	16		Y
123	QUERCUS ALBA	WHITE OAK	20		Y
124	QUERCUS ALBA	WHITE OAK	6		Y
125	QUERCUS ALBA	WHITE OAK	14		Y
126	QUERCUS ALBA	WHITE OAK	8		Y
127	QUERCUS ALBA	WHITE OAK	30		Y
128	QUERCUS ALBA	WHITE OAK	14		Y
129	QUERCUS ALBA	WHITE OAK	16		Y
130	QUERCUS ALBA	WHITE OAK	14		Y
131	QUERCUS ALBA	WHITE OAK	14		Y
132	QUERCUS ALBA	WHITE OAK	8		Y
133	QUERCUS ALBA	WHITE OAK	8		Y
134	QUERCUS ALBA	WHITE OAK	18	POOR	Y
135	QUERCUS ALBA	WHITE OAK	16	POOR	Y
136	QUERCUS ALBA	WHITE OAK	8	POOR	Y
137	QUERCUS ALBA	WHITE OAK	8	POOR	Y
138	QUERCUS ALBA	WHITE OAK	34		Y
139	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	6		Y
140	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	6		Y
141	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	8	POOR	Y
142	QUERCUS ALBA	WHITE OAK	6		Y
143	QUERCUS ALBA	WHITE OAK	14		Y
144	QUERCUS ALBA	WHITE OAK	16		Y
145	QUERCUS ALBA	WHITE OAK	18		Y
146	QUERCUS ALBA	WHITE OAK	20		Y
147	QUERCUS ALBA	WHITE OAK	22		Y
148	QUERCUS ALBA	WHITE OAK	12	POOR	Y
149	QUERCUS ALBA	WHITE OAK	14	POOR	Y
150	QUERCUS ALBA	WHITE OAK	8		Y
151	QUERCUS ALBA	WHITE OAK	20	POOR	Y
152	QUERCUS ALBA	WHITE OAK	20		Y
153	QUERCUS ALBA	WHITE OAK	22		Y
154	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	20		Y
155	QUERCUS ALBA	WHITE OAK	24		Y
156	QUERCUS ALBA	WHITE OAK	30		Y
157	QUERCUS ALBA	WHITE OAK	18	POOR	Y
158	QUERCUS ALBA	WHITE OAK	16		Y
159	ACER PLATANOIDES	NORWAY MAPLE	22		Y
160	ACER PLATANOIDES	NORWAY MAPLE	32		Y
161	ACER RUBRUM	RED MAPLE	30		Y
162	QUERCUS ALBA	WHITE OAK	20		Y
163	QUERCUS ALBA	WHITE OAK	14		Y
164	QUERCUS ALBA	WHITE OAK	18		Y
165	QUERCUS ALBA	WHITE OAK	20		Y
166	QUERCUS ALBA	WHITE OAK	18		Y
167	QUERCUS ALBA	WHITE OAK	24		Y
168	QUERCUS ALBA	WHITE OAK	26		Y
169	ACER RUBRUM	RED MAPLE	24		N
170	PINUS STROBUS	EASTERN WHITE PINE	20		N
171	QUERCUS ALBA	WHITE OAK	18		N
172	QUERCUS ALBA	WHITE OAK	36		N
173	ACER PLATANOIDES	NORWAY MAPLE	14		N
174	QUERCUS ALBA	WHITE OAK	16		N
175	QUERCUS ALBA	WHITE OAK	6		N
176	QUERCUS ALBA	WHITE OAK	6		N
177	QUERCUS ALBA	WHITE OAK	16		N
178	QUERCUS ALBA	WHITE OAK	24		N
179	PRUNUS SEROTINA	BLACK CHERRY	12		N
180	QUERCUS ALBA	WHITE OAK	5		N
181	PRUNUS SEROTINA	BLACK CHERRY	14		N
182	QUERCUS ALBA	WHITE OAK	8		N
183	PINUS STROBUS	EASTERN WHITE PINE	18		N

REVISIONS				
REV	DATE	COMMENT	CHECKED BY	DRAWN 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	MAW/TW	TXL
5	09/18/2023	REV. PER COUNTY ROW IMPROVEMENTS	MAW	TXL
6	11/07/2023	REV. PER TOWNSHIP COMMENTS	MAI	TXL
7	01/12/2024	REV. PER TOWNSHIP COMMENTS	KK	TXL

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PROJECT No.: J190844
 DRAWN BY: CPR
 CHECKED BY: TXL
 DATE: 11/04/2024
 CAD ID: J190844-TREM-7A

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) 686-6300
 Fax: (908) 754-4401
 www.BohlerEngineering.com
 NJ CERT. OF AUTHORIZATION NO. 24GA28191700 & MH000122

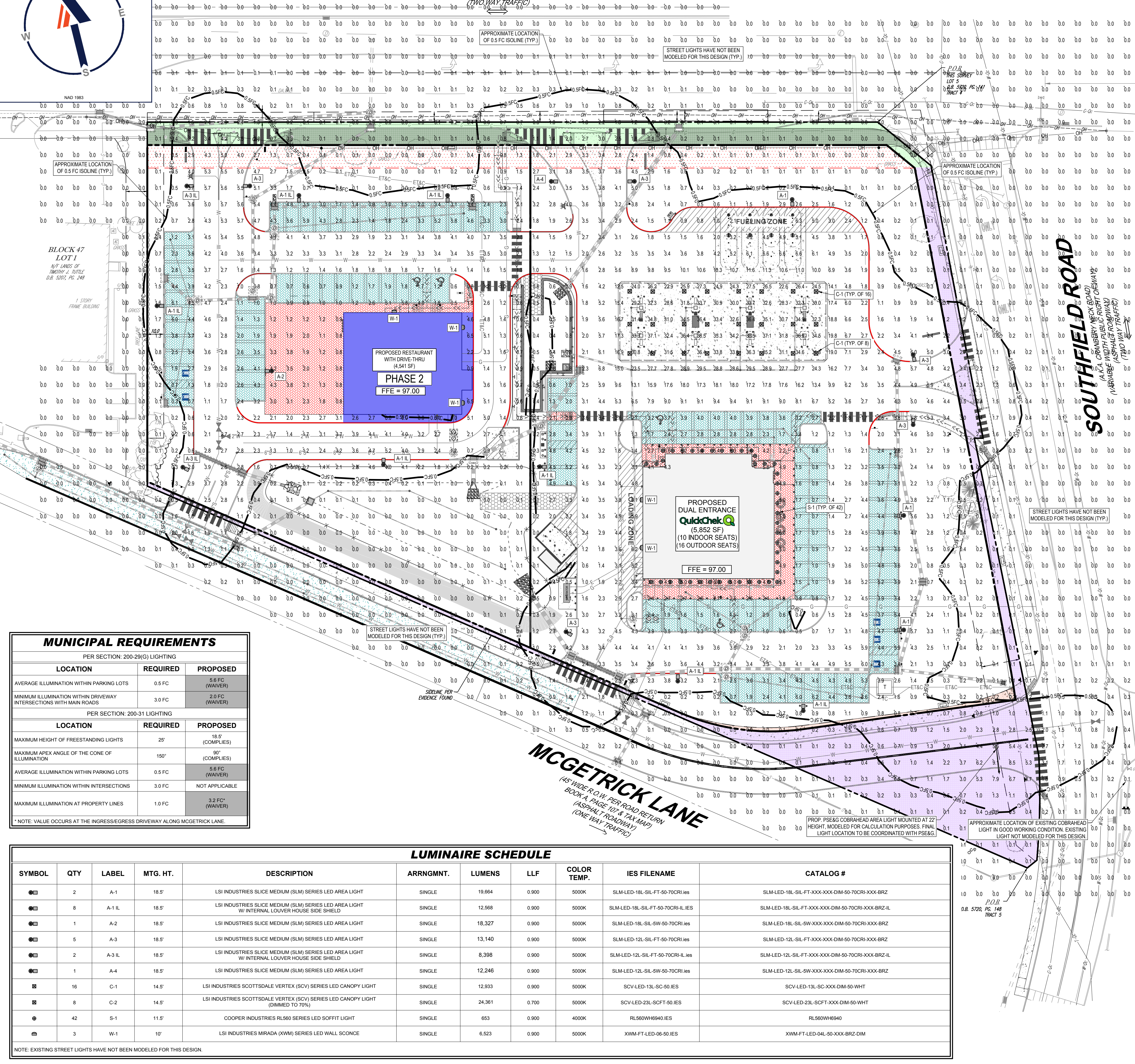
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 PROFESSIONAL ENGINEER
 NEW JERSEY LICENSE No. 47862
 NEW YORK LICENSE No. 092942
 CONNECTICUT LICENSE No. 36024
 PENNSYLVANIA LICENSE No. 76748

SHEET TITLE:
TREE REMOVAL NOTES

SHEET NUMBER:
C-704

PRINCETON - HIGHTSTOWN ROAD

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



LIGHTING NOTES

(Rev. 1/2024)

- 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. THE CONTRACTOR MUST BE FAMILIAR WITH AND ACKNOWLEDGE FAMILIARITY WITH ALL OF THE GENERAL NOTES AND ALL OF THE PLANS' SPECIFIC NOTES.
- THE LIGHTING CONTRACTOR MUST COMPLY WITH ALL APPLICABLE CONTRACTOR REQUIREMENTS INDICATED IN THE PLANS, INCLUDING BUT NOT LIMITED TO GENERAL NOTES, GRADING AND UTILITY NOTES, SITE SAFETY, AND ALL AGENCY AND GOVERNMENTAL REGULATIONS.
- THE LIGHTING PLAN DEPICTS PROPOSED, SUSTAINED ILLUMINATION LEVELS CALCULATED USING DATA PROVIDED BY THE NOTED MANUFACTURER. ACTUAL SUSTAINED SITE ILLUMINATION LEVELS AND PERFORMANCE OF LUMINAIRES MAY VARY DUE TO VARIATIONS IN WEATHER, ELECTRICAL VOLTAGE, TOLERANCE IN LAMPS, THE SERVICE LIFE OF EQUIPMENT AND LUMINAIRES AND OTHER RELATED VARIABLE FIELD CONDITIONS.
- THE LIGHTING PLAN DEPICTS PROPOSED, SUSTAINED ILLUMINATION LEVELS CALCULATED USING DATA PROVIDED BY THE NOTED MANUFACTURER. ACTUAL SUSTAINED SITE ILLUMINATION LEVELS AND PERFORMANCE OF LUMINAIRES MAY VARY DUE TO VARIATIONS IN WEATHER, ELECTRICAL VOLTAGE, TOLERANCE IN LAMPS, THE SERVICE LIFE OF EQUIPMENT AND LUMINAIRES AND OTHER RELATED VARIABLE FIELD CONDITIONS.
- OTHERWISE NOTED, ILLUMINATION LEVELS ARE SHOWN IN FOOT-CANDLES (FC).
- THE LUMINAIRE, LAMPS AND LENSES MUST BE REGULARLY INSPECTED/MAINTAINED TO ENSURE THAT THEY FUNCTION PROPERLY. THIS WORK SHOULD INCLUDE, BUT IS NOT LIMITED TO, VISUAL OBSERVATION, CLEANING OF LENSES, AND RELAMPING ACCORDING TO MANUFACTURER RECOMMENDATIONS. FAILURE TO FOLLOW THE ABOVE STEPS COULD RESULT IN IMPROPER LIGHT DISTRIBUTION AND FAILURE TO COMPLY WITH THE APPROVED DESIGN. UPON COMPLETION AND OWNER'S ACCEPTANCE OF THE WORK, THE ABOVE RESPONSIBILITIES BECOMES SOLELY THE OWNER'S.
- THE LIGHTING PLAN IS INTENDED TO SHOW THE LOCATIONS AND TYPES OF LUMINAIRES, POWER SYSTEM, CONDUITS, WIRING AND OTHER ELECTRICAL COMPONENTS ARE SOLELY THE ARCHITECT'S, MECHANICAL ENGINEERS AND/OR LIGHTING CONTRACTOR'S RESPONSIBILITY, AS INSTALLED IN THE CONSTRUCTION CONTRACT DOCUMENTS. THE LIGHTING CONTRACTOR MUST COORDINATE WITH THE PROJECT ARCHITECT AND/OR ELECTRICAL ENGINEER REGARDING ANY AND ALL POWER SOURCES AND TIMING DEVICES NECESSARY TO MEET THE DESIGN INTENT. THESE ITEMS MUST BE INSTALLED AS REQUIRED BY STATE AND LOCAL REGULATIONS. CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION OF LIGHTING FIXTURES AND APPURTENANCES IN ACCORDANCE WITH ALL APPLICABLE BUILDING AND ELECTRICAL CODES.
- THE CONTRACTOR MUST BRING IMMEDIATELY, IN WRITING, ANY LIGHT LOCATIONS THAT CONFLICT WITH DRAINAGE, UTILITIES, OR OTHER STRUCTURE(S) TO THE ENGINEER OF RECORD'S ATTENTION, PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
- THE CONTRACTOR IS RESPONSIBLE TO ENSURE THAT SHIELDING AND/OR ROTATED OPTICS ARE INSTALLED AS INDICATED ON THE PLAN IN ORDER TO ACHIEVE THE LIGHTING LEVELS THE REVIEWING AGENCY APPROVED.
- THE ACTUAL LIGHTING LEVELS MUST BE VERIFIED IN THE FIELD AND FIXTURES ADJUSTED ACCORDINGLY, BY THE CONTRACTOR, TO ACHIEVE THE APPROVED LIGHT LEVELS.
- ILLUMINATION LEVELS SHOWN ON THE PLAN HAVE BEEN CALCULATED FOR PROPOSED LUMINAIRE TYPES ONLY. ACTUAL ILLUMINATION LEVELS IN THE FIELD MAY DIFFER FROM THOSE DEPICTED ON THE PLAN DUE TO INTERFERENCE FROM EXISTING AMBIENT LIGHTS WHOSE ILLUMINATION LEVELS ARE NOT REFLECTED ON THIS PLAN.
- ILLUMINATION LEVELS SHOWN ON THE PLAN WERE CALCULATED WITH LIGHTING DESIGN SOFTWARE AG32 BY LIGHTING ANALYST.



LSI INDUSTRIES SLICE MEDIUM (SLM) SERIES LED AREA LIGHT (A-1, A-1 IL, A-2, A-3, A-3 IL & A-4)
NOT TO SCALE



LSI INDUSTRIES SCOTSDALE VERTEX (SCV) SERIES LED CANOPY LIGHT (C-1 & C-2)
NOT TO SCALE



LSI INDUSTRIES MIRADA (XWM) SERIES LED WALL SCONCE (W-1)
NOT TO SCALE



COOPER LIGHTING 600 SERIES 5\"/>

MUNICIPAL REQUIREMENTS		
PER SECTION: 200-29(G) LIGHTING		
LOCATION	REQUIRED	PROPOSED
AVERAGE ILLUMINATION WITHIN PARKING LOTS	0.5 FC	5.6 FC (WAIVER)
MINIMUM ILLUMINATION WITHIN DRIVEWAY INTERSECTIONS WITH MAIN ROADS	3.0 FC	2.0 FC (WAIVER)
PER SECTION: 200-31 LIGHTING		
LOCATION	REQUIRED	PROPOSED
MAXIMUM HEIGHT OF FREESTANDING LIGHTS	25'	18.5' (COMPLIES)
MAXIMUM APEX ANGLE OF THE CONE OF ILLUMINATION	150°	90° (COMPLIES)
AVERAGE ILLUMINATION WITHIN PARKING LOTS	0.5 FC	5.6 FC (WAIVER)
MINIMUM ILLUMINATION WITHIN INTERSECTIONS	3.0 FC	NOT APPLICABLE
MAXIMUM ILLUMINATION AT PROPERTY LINES	1.0 FC	3.2 FC* (WAIVER)

* NOTE: VALUE OCCURS AT THE INGRESS/EGRESS DRIVEWAY ALONG MCGETRICK LANE.

LUMINAIRE SCHEDULE										
SYMBOL	QTY	LABEL	MTG. HT.	DESCRIPTION	ARRNGMNT.	LUMENS	LLF	COLOR TEMP.	IES FILENAME	CATALOG #
●	2	A-1	18.5'	LSI INDUSTRIES SLICE MEDIUM (SLM) SERIES LED AREA LIGHT	SINGLE	19,664	0.900	5000K	SLM-LED-18L-SIL-FT-XXX-XXX-DIM-50-70CRI-XXX-BRZ	SLM-LED-18L-SIL-FT-XXX-XXX-DIM-50-70CRI-XXX-BRZ
●	8	A-1 IL	18.5'	LSI INDUSTRIES SLICE MEDIUM (SLM) SERIES LED AREA LIGHT W/ INTERNAL LOUVER HOUSE SIDE SHIELD	SINGLE	12,568	0.900	5000K	SLM-LED-18L-SIL-FT-50-70CRI-IL-IES	SLM-LED-18L-SIL-FT-XXX-XXX-DIM-50-70CRI-XXX-BRZ-IL
●	1	A-2	18.5'	LSI INDUSTRIES SLICE MEDIUM (SLM) SERIES LED AREA LIGHT	SINGLE	18,327	0.900	5000K	SLM-LED-18L-SIL-5W-XXX-XXX-DIM-50-70CRI-XXX-BRZ	SLM-LED-18L-SIL-5W-XXX-XXX-DIM-50-70CRI-XXX-BRZ
●	5	A-3	18.5'	LSI INDUSTRIES SLICE MEDIUM (SLM) SERIES LED AREA LIGHT	SINGLE	13,140	0.900	5000K	SLM-LED-12L-SIL-FT-50-70CRI-IES	SLM-LED-12L-SIL-FT-XXX-XXX-DIM-50-70CRI-XXX-BRZ
●	2	A-3 IL	18.5'	LSI INDUSTRIES SLICE MEDIUM (SLM) SERIES LED AREA LIGHT W/ INTERNAL LOUVER HOUSE SIDE SHIELD	SINGLE	8,398	0.900	5000K	SLM-LED-12L-SIL-FT-50-70CRI-IL-IES	SLM-LED-12L-SIL-FT-XXX-XXX-DIM-50-70CRI-XXX-BRZ-IL
●	1	A-4	18.5'	LSI INDUSTRIES SLICE MEDIUM (SLM) SERIES LED AREA LIGHT	SINGLE	12,246	0.900	5000K	SLM-LED-12L-SIL-5W-XXX-XXX-DIM-50-70CRI-XXX-BRZ	SLM-LED-12L-SIL-5W-XXX-XXX-DIM-50-70CRI-XXX-BRZ
■	16	C-1	14.5'	LSI INDUSTRIES SCOTSDALE VERTEX (SCV) SERIES LED CANOPY LIGHT	SINGLE	12,933	0.900	5000K	SCV-LED-13L-SC-50-IES	SCV-LED-13L-SC-XXX-DIM-50-WHT
■	8	C-2	14.5'	LSI INDUSTRIES SCOTSDALE VERTEX (SCV) SERIES LED CANOPY LIGHT (DIMMED TO 70%)	SINGLE	24,361	0.700	5000K	SCV-LED-23L-SCFT-50-IES	SCV-LED-23L-SCFT-XXX-DIM-50-WHT
●	42	S-1	11.5'	COOPER INDUSTRIES RL560 SERIES LED SOFFIT LIGHT	SINGLE	653	0.900	4000K	RL560WH6940IES	RL560WH6940
■	3	W-1	10'	LSI INDUSTRIES MIRADA (XWM) SERIES LED WALL SCONCE	SINGLE	6,523	0.900	5000K	XWM-FT-LED-06-50-IES	XWM-FT-LED-04L-50-XXX-BRZ-DIM

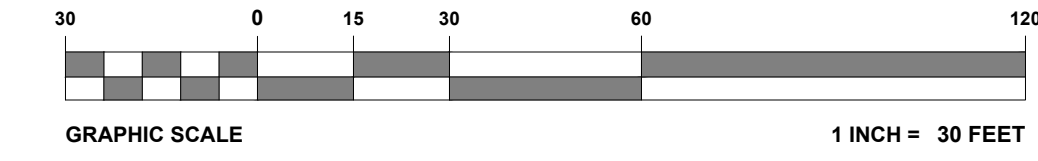
NOTE: EXISTING STREET LIGHTS HAVE NOT BEEN MODELED FOR THIS DESIGN.

ALL LIGHTS FACING RESIDENTIAL PROPERTIES ARE TO BE DIMMABLE AND ARE TO BE COORDINATED WITH THE TOWNSHIP

REFER TO DETAIL SHEET FOR LIGHT POLE FOUNDATION DETAIL

THIS PLAN TO BE UTILIZED FOR LIGHTING PURPOSES ONLY

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



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REVISIONS				
REV	DATE	COMMENT	CHKD BY	DRWN BY
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5	09/18/2023	REV. PER COUNTY ROW IMPROVEMENTS	MD	TXL
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7	01/12/2024	REV. PER TOWNSHIP COMMENTS	KK	TXL

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DRAWN BY: CPR
CHECKED BY: TXL
DATE: 11/04/2024
CAD ID: J190844-LGHT-7A

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

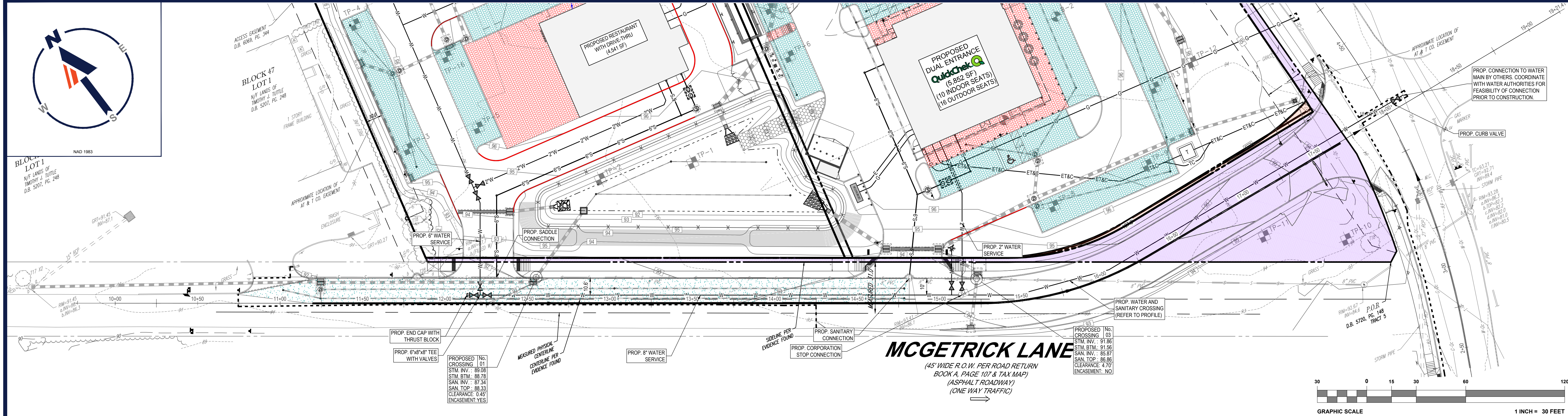
FOR
ER/UDC WEST WINDSOR LLC

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 SOUTHFIELD ROAD
TOWNSHIP OF WEST WINDSOR
MERCER COUNTY, NEW JERSEY

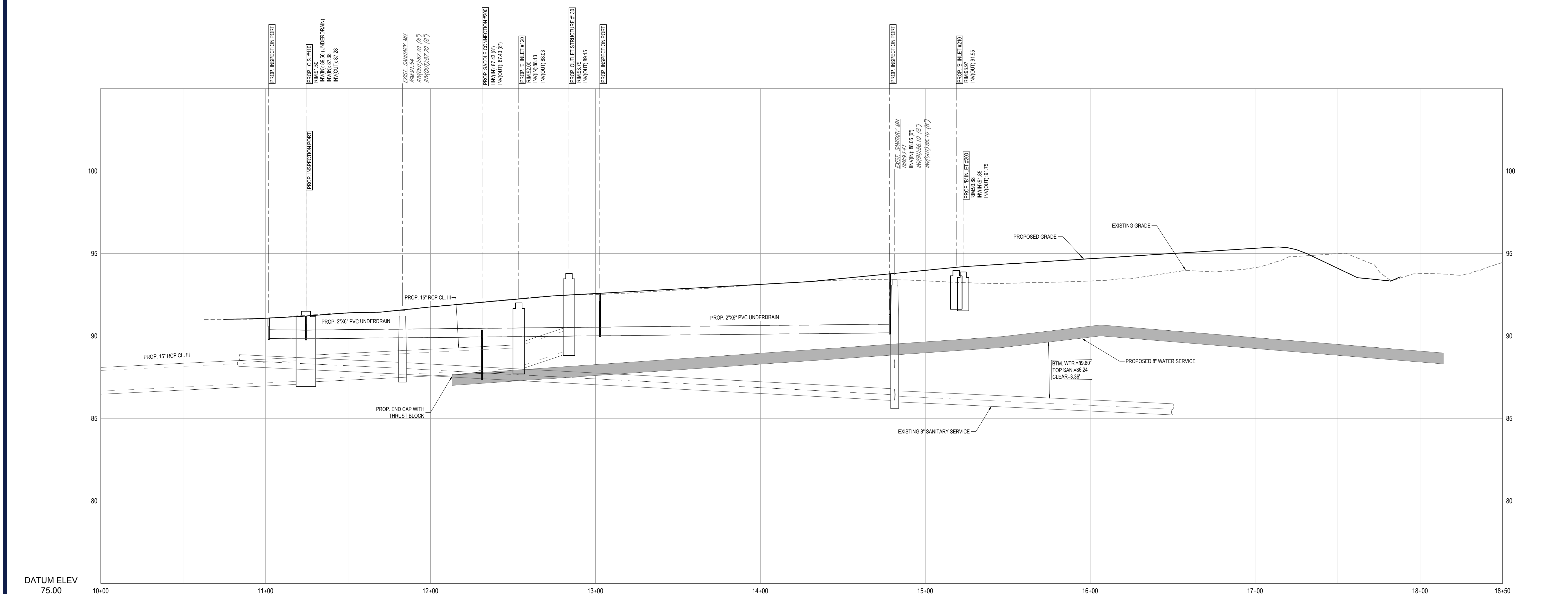
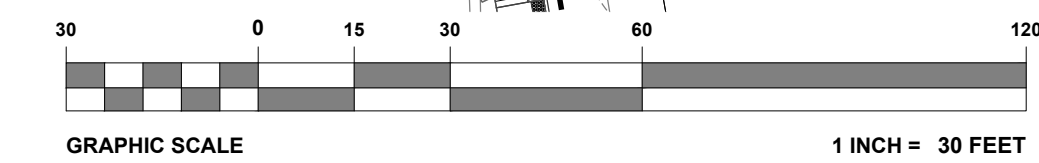
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BOHLER ENGINEERING NJ, LLC
30 INDEPENDENCE BLVD., SUITE 200
WARREN, NJ 07059
Phone: (908) 685-6300
Fax: (908) 724-4401
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NJ CERT. OF AUTHORIZATION NO. 24628191700 & M6000122

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NEW YORK LICENSE No. 029242
CONNECTICUT LICENSE No. 30024
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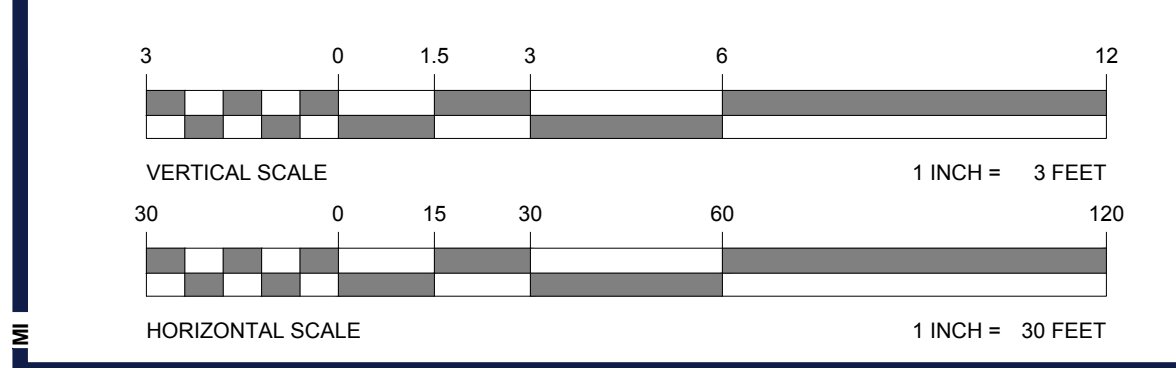
SHEET TITLE:
LIGHTING PLAN
SHEET NUMBER:
C-705
REVISION 7 - 01/12/2024



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



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



NOTE: THIS PLAN TO BE UTILIZED FOR UTILITY PURPOSES ONLY. REFER TO ATLANTIC TRAFFIC + DESIGN ROADWAY PLANS FOR ALL OTHER ROADWAY FEATURES.

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1	03/09/2022	REV. PER DRCC COMMENTS	CPR
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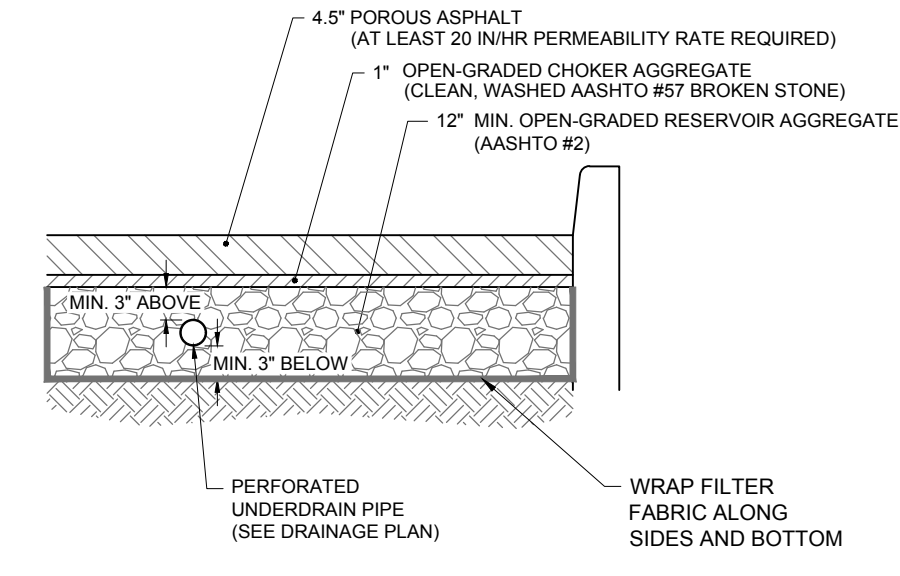
PROJECT:
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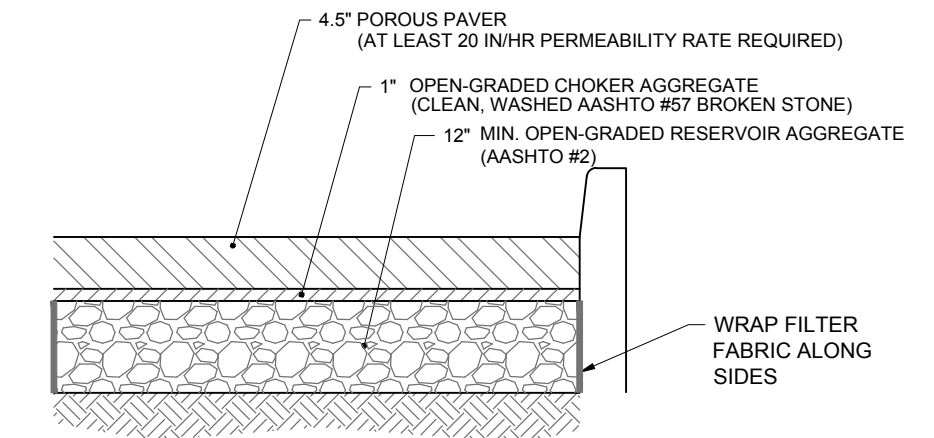
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SHEET TITLE:
MCGETRICK LANE PROFILE PLAN
 SHEET NUMBER:
C-801
 REVISION 7 - 01/12/2024

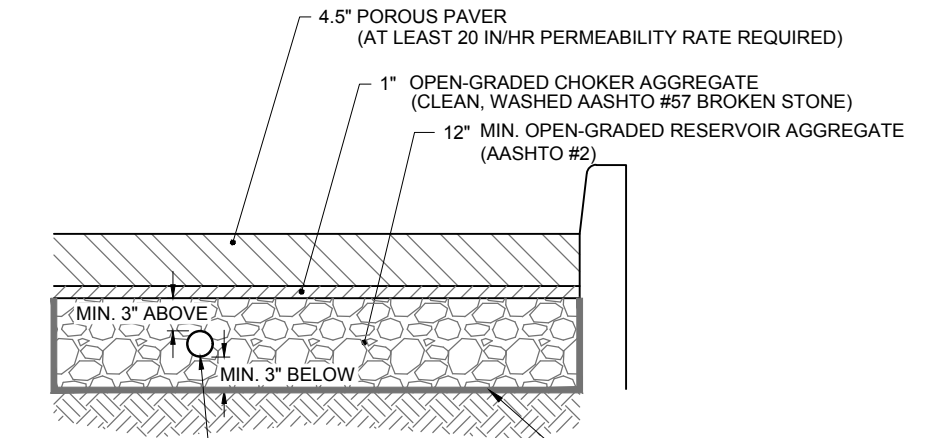
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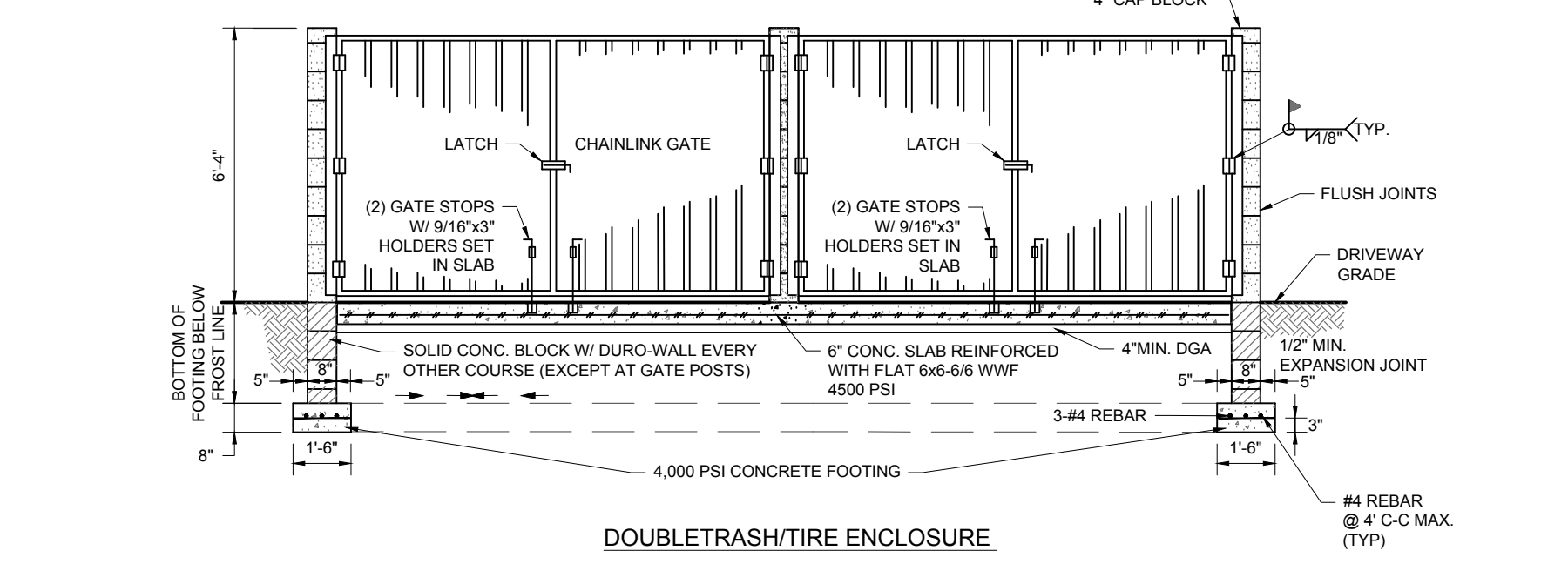
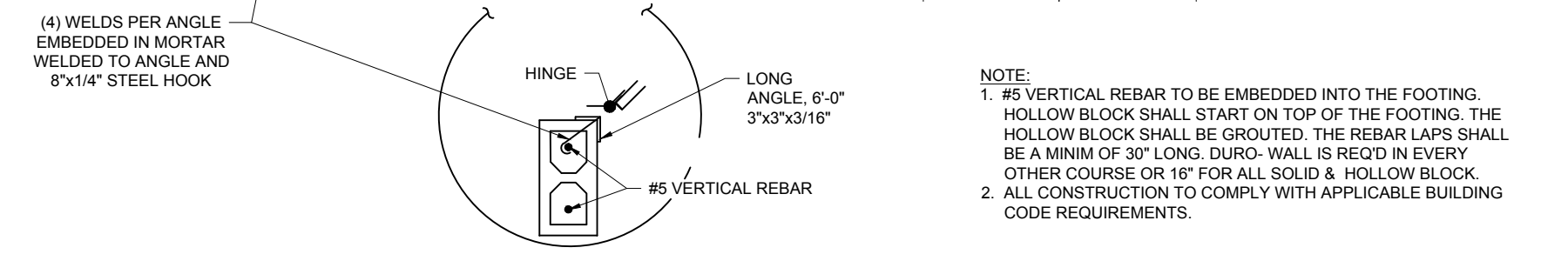
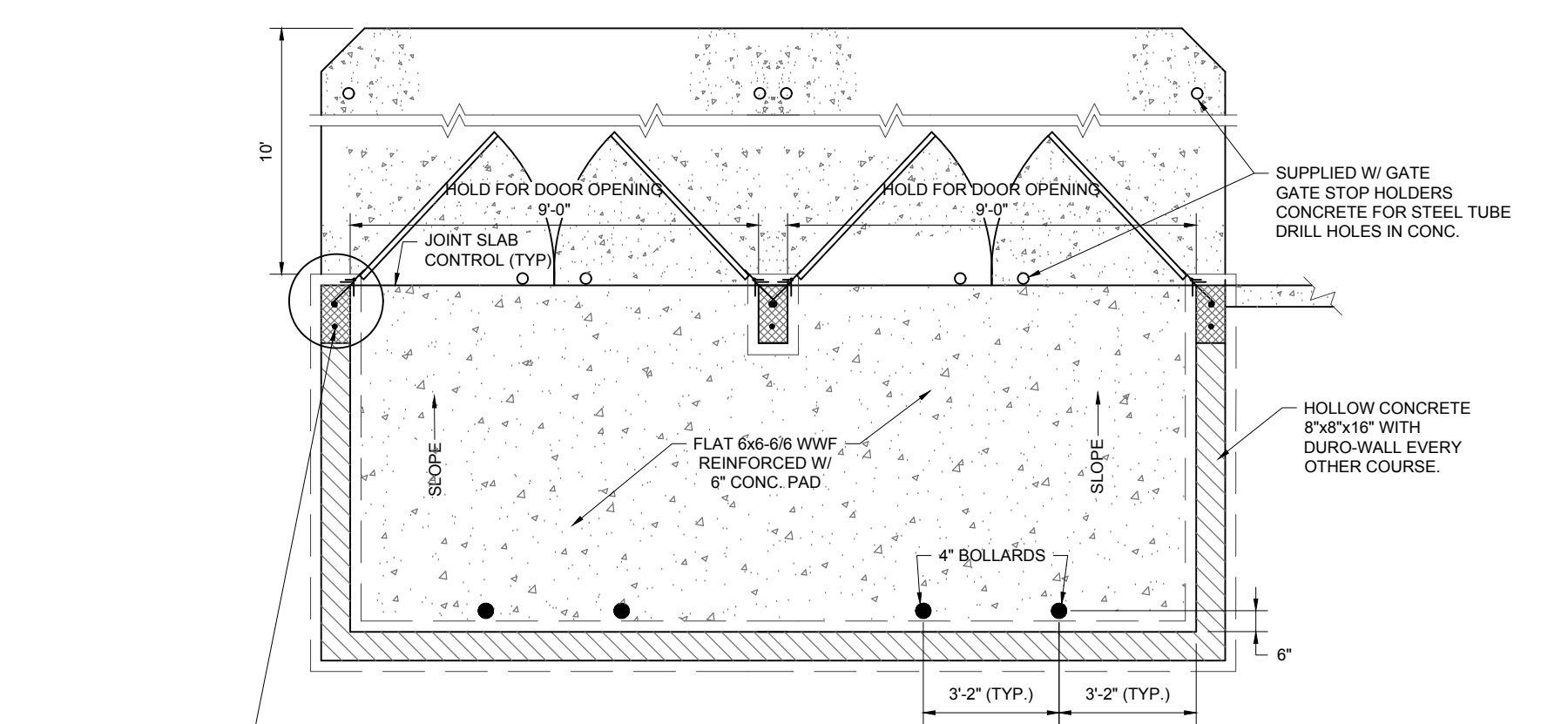
PP #	MIN. STORAGE BED DEPTH	UNDERDRAIN SIZE
7	12"	2-6"



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



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



- NOTES:
- PERMEABLE ASPHALT SURFACE COURSE TO HAVE 25% POROSITY OR GREATER. FOR PARKING AREAS, A POLYMER MODIFIED BINDER PG 64E-22 MUST BE USED. POROUS PAVEMENT SURFACE COURSE TO HAVE MINIMUM TESTED INFILTRATION RATE OF 6.4 IN/HR IF USED FOR STORMWATER QUALITY CONTROL.
 - STORAGE BED AGGREGATE MUST BE PLACED IN LOOSE LIFTS NOT TO EXCEED 6 INCHES AND COMPACTED USING PLATE COMPACTORS PER NJ SWBMP MANUAL.
 - AT LEAST ONE INSPECTION PORT, WITH A REMOVABLE CAP, MUST BE PROVIDED AT THE UPSTREAM AND DOWNSTREAM ENDS OF THE PERFORATED SECTION OF THE NETWORK OF PIPES WITH ITS LOCATION DENOTED IN THE MAINTENANCE PLAN. THE INSPECTION PORT MUST BE PLACED AT LEAST 3 FEET FROM ANY EDGE. ADDITIONALLY, EACH INSPECTION PORT MUST BE FLUSH WITH THE SURFACE OF THE SURFACE LAYER AND EXTEND DOWN 4 - 6 INCHES INTO THE SUBSOIL, AND THE DEPTH OF RUNOFF FOR THE WOODS MUST BE MARKED ON EACH STRUCTURE AND ITS LEVEL INCLUDED IN THE DESIGN REPORT AND MAINTENANCE PLAN. THE SIZE OF THE INSPECTION PORT MUST BE LARGE ENOUGH TO ALLOW FOR MAINTENANCE ACTIVITIES.
 - SEALANT, TOP COAT, AND OTHER TREATMENTS SHALL NOT BE USED ON THE POROUS ASPHALT PAVEMENT COURSE. CONSTRUCTION MAY NOT TAKE PLACE DURING RAIN OR SNOW, NOR WHEN THE SUBSOIL IS FROZEN.
 - TESTING MUST BE PERFORMED ON THE SUBSOIL PRIOR TO THE PLACEMENT OF THE STONE STORAGE BED IN ACCORDANCE WITH NJ SWBMP MANUAL CHAPTER 12, WHERE AS-BUILT TESTING SHOWS A LONGER DRAIN TIME THAN DESIGNED, CORRECTIVE ACTION MAY BE REQUIRED.
 - POROUS PAVEMENT AREA SHALL BE PROTECTED SEDIMENT-LADEN RUNOFF DURING CONSTRUCTION TO AVOID REDUCED POROSITY.

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7	01/12/2024	REV. PER TOWNSHIP COMMENTS	KK

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 DRAWN BY: CPR
 CHECKED BY: TXL
 DATE: 11/04/2021
 CAD ID: J190844-COVR-7A

PROJECT: **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

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 NJ CERT. OF AUTHORIZATION NO. 246A28191700 & M6000122

T. LAM
 PROFESSIONAL ENGINEER
 NEW JERSEY LICENSE NO. 47862
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 CONNECTICUT LICENSE NO. 30024
 PENNSYLVANIA LICENSE NO. 76748

SHEET TITLE: **DETAIL SHEET C**

SHEET NUMBER: **C-903**

REVISION 7 - 01/12/2024

1 POROUS PAVEMENT SECTION DETAIL

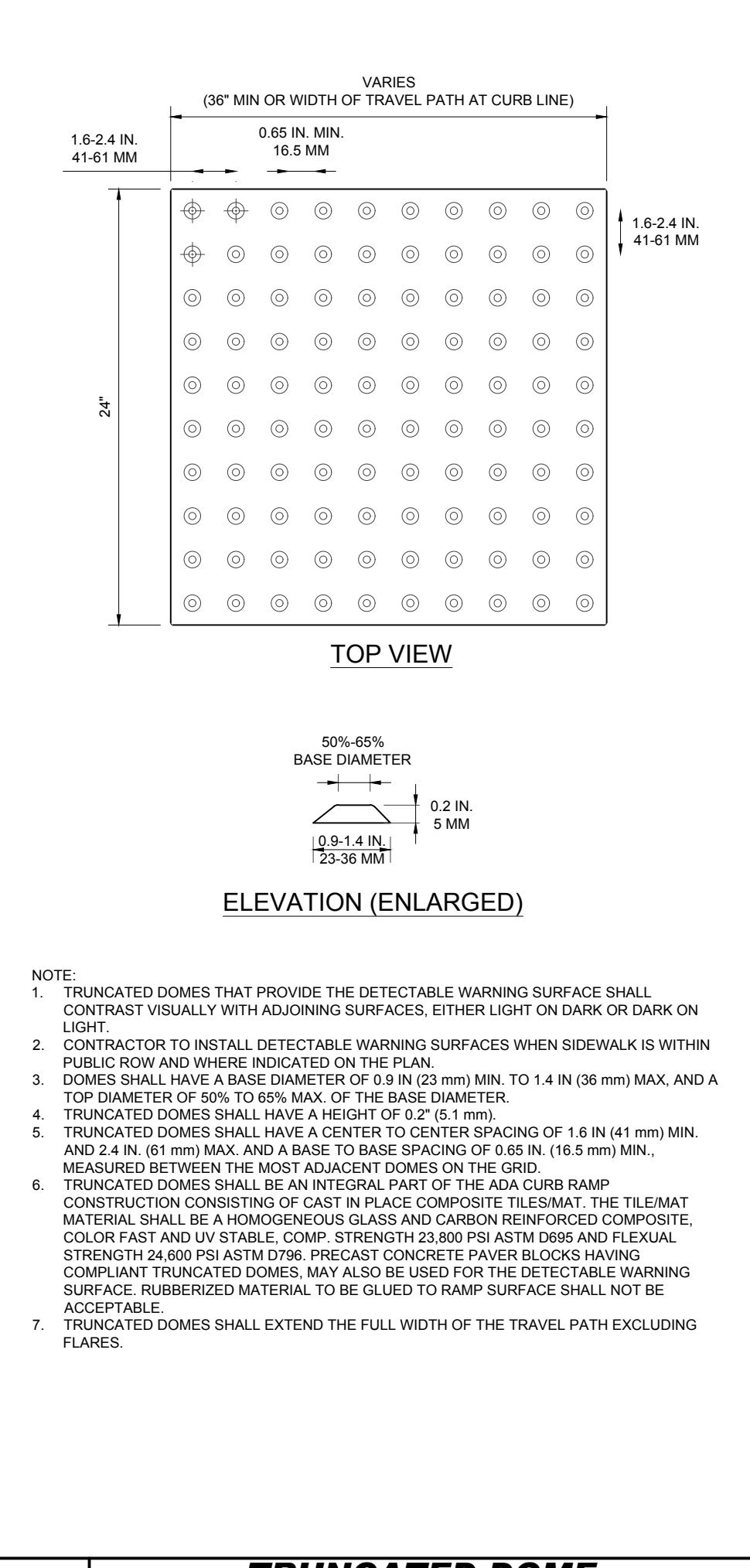
NOT TO SCALE (S080101-012013) (MOD.)

2 POROUS PAVER SECTION DETAIL

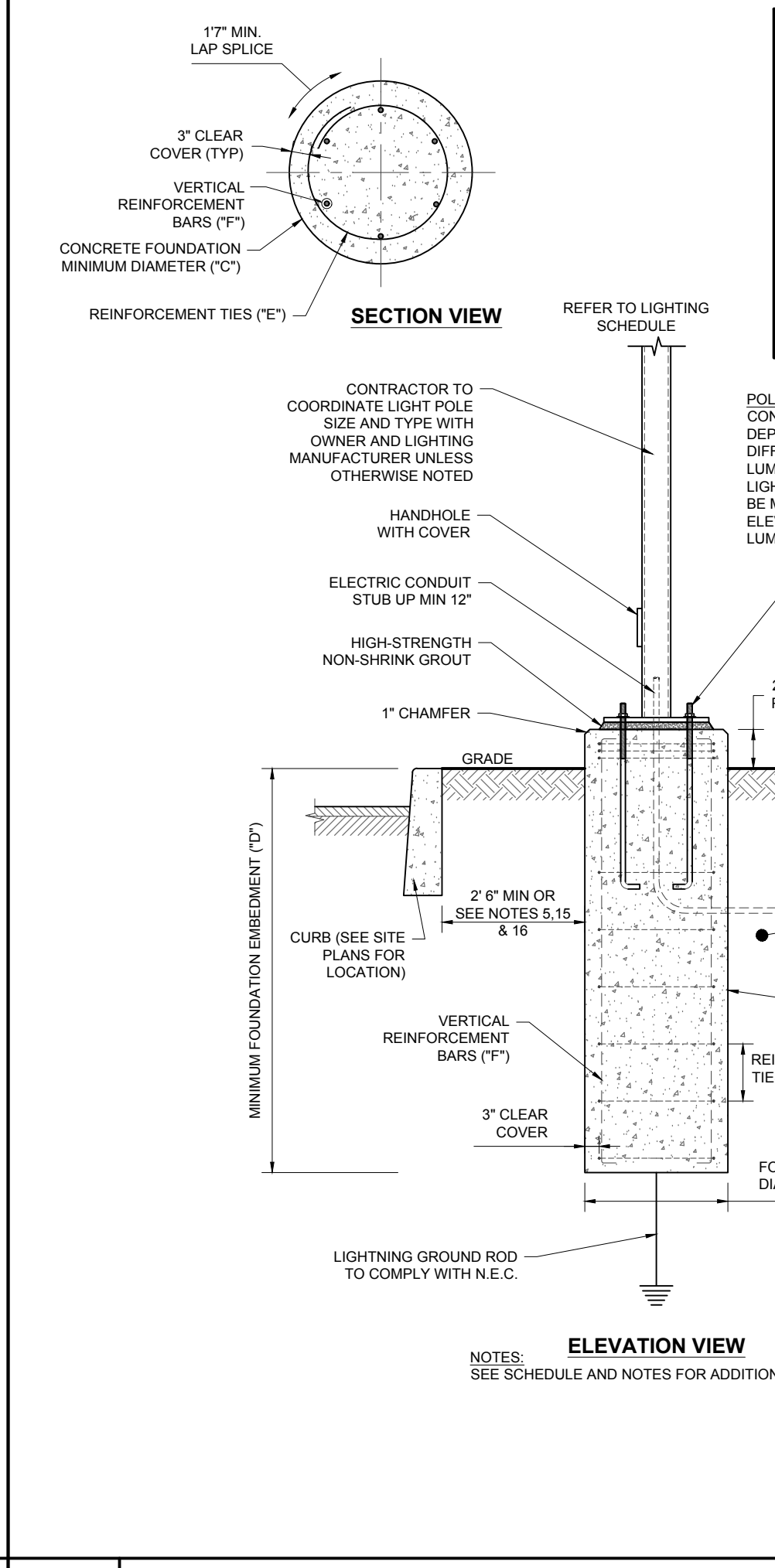
NOT TO SCALE (S080101-012013) (MOD.)

3 DOUBLE TRASH ENCLOSURE 9 FT OPENING DETAIL

NOT TO SCALE (S120302-012013)



- NOTE:
- TRUNCATED DOMES THAT PROVIDE THE DETECTABLE WARNING SURFACE SHALL CONTRAST VISUALLY WITH ADJOINING SURFACES. EITHER LIGHT OR DARK OR DARK OR LIGHT.
 - CONTRACTOR TO INSTALL DETECTABLE WARNING SURFACES WHEN SIDEWALK IS WITHIN PUBLIC ROW AND WHERE INDICATED BY THE PLAN.
 - DOMES SHALL HAVE A BASE DIAMETER OF 0.9 IN (23 mm) MIN. TO 1.4 IN (36 mm) MAX. AND A TOP DIAMETER OF 50% TO 65% MAX. OF THE BASE DIAMETER.
 - TRUNCATED DOMES SHALL HAVE A HEIGHT OF 0.2" (5.1 mm).
 - TRUNCATED DOMES SHALL HAVE A CENTER TO CENTER SPACING OF 1.6 IN (41 mm) MIN. AND 2.4 IN (61 mm) MAX. AND A BASE TO BASE SPACING OF 0.65 IN. (16.5 mm) MIN., MEASURED BETWEEN THE MOST ADJACENT DOMES ON THE GRID.
 - TRUNCATED DOMES SHALL BE AN INTEGRAL PART OF THE ADA CURB RAMP CONSTRUCTION CONSISTING OF CAST IN PLACE COMPOSITE TILE/MAT. THE TILE/MAT MATERIAL SHALL BE A HOMOGENEOUS GLASS AND CARBON REINFORCED COMPOSITE, COLOR FAST AND UV STABLE, COMP. STRENGTH 23,000 PSI ASTM D6969 AND FLEXURAL STRENGTH 24,000 PSI ASTM D796. PRECAST CONCRETE PAVEMENT BLOCKS HAVING COMPLAINT TRUNCATED DOMES, MAY ALSO BE USED FOR THE DETECTABLE WARNING SURFACE. RUBBERIZED MATERIAL TO BE GLOUED TO RAMP SURFACE SHALL NOT BE ACCEPTABLE.
 - TRUNCATED DOMES SHALL EXTEND THE FULL WIDTH OF THE TRAVEL PATH EXCLUDING FLARES.



LIGHT POLE FOUNDATION SCHEDULE

MAXIMUM HEIGHT ABOVE GRADE "A" **	18'-6"
ASSUMED AVERAGE POLE DIAMETER "B"	4"
# OF FIXTURES	SINGLE
MINIMUM FOUNDATION DIAMETER "C"	24"
MINIMUM FOUNDATION DEPTH "D"	6'-0"
REINFORCING TIES "E" *	#3 TIES @12"C
VERTICAL HOOKED REINFORCEMENT "F"	(6) #9 BARS EQUALLY SPACED

* - ADD 3 TIES, 4" C-C, AT TOP OF THE FOUNDATION
 ** - THIS MAY NOT BE ACTUAL MOUNTING HEIGHT, SEE LIGHTING SCHEDULE

LIGHT POLE FOUNDATION NOTES

- THE CONTRACTOR MUST VERIFY ALL DIMENSIONS AND CONDITIONS, COORDINATE WITH ALL CONTRACT DRAWINGS, PROJECT SHOP DRAWINGS AND FIELD CONDITIONS PRIOR TO CONSTRUCTION. CONTRACTOR MUST ENSURE NO CONFLICTS ARISE BETWEEN LIGHT POLE FOUNDATIONS, STRUCTURES, AND UTILITIES. IF ANY DISCREPANCIES BETWEEN FIELD CONDITIONS AND DESIGN PLANS ARISE, THE ENGINEER MUST BE NOTIFIED IMMEDIATELY IN WRITING.
- THE CONTRACTOR IS TO HAVE A GEOTECHNICAL ENGINEER, LICENSED IN THE PROJECT'S STATE, ON SITE TO INSPECT FILL, MONITOR FILL COMPACTION AND TO VERIFY SUBGRADE ALLOWABLE BEARING CAPACITY AND SOIL DESIGN CRITERIA PRIOR TO CONSTRUCTION IN ACCORDANCE TO THE DESIGN ASSUMPTIONS STATED. UNSUITABLE MATERIALS FOUND MUST BE REMOVED OR BE REMEDIATED AS PER THE DIRECTION OF THE ON SITE GEOTECHNICAL ENGINEER.
- IF CONDITIONS IN THE FIELD ARE DIFFERENT THAN THOSE INDICATED, THE CONTRACTOR IS TO IMMEDIATELY NOTIFY THE ENGINEER IN WRITING.
- CONTRACTOR IS RESPONSIBLE TO ENSURE THAT APPROPRIATE SELECT BACKFILL IS USED, AND THOROUGHLY COMPACTED TO 98% MAX. DENSITY ASTM D 698.
- STRUCTURAL CONCRETE AND CONCRETING PRACTICES SHALL CONFORM WITH ACI 318 "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE" AND ALL OTHER MATERIALS ARE TO BE IN ACCORDANCE WITH ACI 315 "MANUAL OF STANDARD PRACTICE: DETAILS AND DETAILING OF CONCRETE REINFORCEMENT". FORM WORK SHALL CONFORM ACI-347 "GUIDE TO FORM WORK FOR CONCRETE", UNLESS OTHERWISE NOTED ON THE CONTRACT DOCUMENTS.
- CONCRETE MUST BE NORMAL WEIGHT STONE AGGREGATE WITH THE STATED MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS. HISTORICAL DATA OR LABORATORY TESTS FOR THE PRELIMINARY DESIGN MIX IS TO BE SUBMITTED TO THE ENGINEER FOR REVIEW PRIOR TO CONSTRUCTION. THE WATER-CEMENT RATIO FOR THE PROPOSED MIX DESIGN MUST ACHIEVE AN AVERAGE 28-DAY STRENGTH OF 1,200 PSI GREATER THAN THE REQUIRED STRENGTH ON LABORATORY TEST RESULTS.
- CONCRETE IS TO HAVE A SLUMP NO GREATER THAN 4" TO WITHIN A TOLERANCE OF 1".
- EXPOSED CONCRETE IS TO BE AIR ENTRAINED, 6% (WITHIN 1% TOLERANCE), CONFORMING TO ASTM C690.
- CONCRETE TO BE CONSOLIDATED IN PLACE USING AN INTERNAL VIBRATOR.
- REINFORCING STEEL BARS SHALL BILLET STEEL ASTM A615, GRADE 60. ALL REINFORCEMENT TO BE SECURELY HELD IN PLACE WHILE PLACING CONCRETE. IF REQUIRED, ADDITIONAL BARS OR STIRRUPS TO BE PROVIDED BY THE CONTRACTOR TO FURNISH SUPPORT FOR ALL BARS. BARS SUPPORTS IN CONTACT WITH EXPOSED SURFACES TO BE PLASTIC TIPPED. ALL ACCESSORIES MUST BE GALVANIZED.
- ALL SPLICES OF REINFORCING BARS NOT INDICATED ARE TO BE LITS AS PER THE REINFORCING SPLICE SCHEDULE OR 40 BAR DIAMETERS. DISCONTINUOUS ENDS OF CONTINUOUS BARS ARE TO BE STANDARD HOOKS.
- IF CAVING OF DRILLED HOLES ARE ENCOUNTERED, CONTRACTOR SHALL PROVIDE BENTONITE SLURRY IN PERMANENT CASINGS FOR DRILLED CONCRETE PIER FOUNDATIONS.
- CONCRETE MUST ATTAIN 80% OF THE DESIGN STRENGTH OR CURE FOR A MINIMUM OF 7 DAYS PRIOR TO THE INSTALLATION OF THE LIGHT POLES OR ALL LIGHT POLES ARE TO BE SUITABLY BRACED AGAINST WIND LOADS DURING THE ABOVE MENTIONED TIMEFRAME.
- ALL ELECTRICAL COMPONENTS TO COMPLY WITH N.E.C.
- WHEN 2'-6" CLEARANCE CAN NOT BE PROVIDED, CONCRETE FOUNDATION MUST BE EXTENDED TO 30" ABOVE SURFACE, OR PROVIDE BOLLARD PROTECTION FOR LIGHT POLE.
- VERIFY WITH LOCATIONS SHOWN ON LIGHTING PLAN
- CONTRACTOR IS TO RECORD ON A CLEAN COPY OF THE LIGHTING PLANS, THE LOCATION OF CONDUIT SUPPLYING POWER TO LIGHTS. A COMPLETED COPY OF THIS RECORD PLAN IS TO BE PROVIDED TO THE OWNER PRIOR TO FINAL ACCEPTANCE OF THE WORK.
- UPON ACCEPTANCE OF THE COMPLETED WORK BY THE OWNER, THE OWNER IS RESPONSIBLE FOR APPROPRIATE MAINTENANCE OF THE LIGHTING SYSTEM

LIGHT POLE FOUNDATION DESIGN CRITERIA

- MINIMUM REQUIRED ALLOWABLE BEARING PRESSURE = 1,000 PSF - ASSUMED TO BE VERIFIED IN FIELD
- SOIL FRICTION ANGLE = 30 DEG - ASSUMED (TO BE VERIFIED IN FIELD)
- SOIL DRY UNIT WEIGHT = 120 PCF - ASSUMED (TO BE VERIFIED IN FIELD)
- WIND PRESSURE = 30 PSF

Steel Poles Square Straight

QUICK LINKS: Ordering Guide, Configurations, Dimensions, EPA

FEATURES & SPECIFICATIONS

Pole Shaft

- Straight poles are 4", 5", or 6" square.
- Pole shaft is electro-welded ASTM-A500 Grade C steel tubing with a minimum yield strength of 50,000 psi.
- On "Teron Mount" steel poles, tenon is 2-3/8" O.D. high-strength pipe. Tenon is 4-3/4" in length.

Hand-Hole

- Standard hand-hole location is 12" above pole base.
- Poles 22' and above have a 3" x 6" reinforced hand-hole. Shorter poles have a 2" x 4" non-reinforced hand-hole.

Base

- Pole base is ASTM-A36 hot-rolled steel plate with a minimum yield strength of 36,000 psi.
- Two-piece square base cover is optional.

Anchor Bolts

- Poles are furnished with anchor bolts featuring zinc-plated double nuts and washers. Galvanized anchor bolts are optional.
- Anchor bolts conform to ASTM F 1554-07a Grade 55 with a minimum yield strength of 55,000 psi.

Ground Lug

- Ground lug is standard.

Duplex Receptacle

- Weatherproof duplex receptacle is optional.

Ground Fault Circuit Interrupter

- Self-testing ground fault circuit interrupter is optional.

Finishes

- Every pole is provided with the DuraGrip® Protection System and a 5-year limited warranty.
- When the top-of-the-line DuraGrip® Plus Protection System is selected, in addition to the DuraGrip® Protection System, a non-porous, automotive-grade corrosion coating is applied to the lower portion of the pole interior, sealing and further protecting it from corrosion. This option extends the limited warranty to 7 years.

Determining The Luminaire/Pole Combination For Your Application:

- Select luminaire from luminaire ordering information.
- Select bracket configuration if required.
- Determine EPA value from luminaire/bracket EPA chart.
- Select pole height.
- Select MPH to match wind speed in the application area (See windspeed maps).
- Confirm pole EPA equal to or exceeding value of luminaire/bracket EPA.
- Consult factory for special wind load requirements and banner brackets.

Pole Vibration Damper

- A pole vibration damper is recommended in open urban areas of the country where low steady state winds are common.
- Non-tapered poles and lightly loaded poles are more susceptible to destructive vibration if a damper is not installed.

Listings

- UL Listed
- BAA/TAA Compliant

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

LSI Industries Inc. 10000 Alliance Rd. Cincinnati, OH 45242 • www.lsi-industries.com
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4 TRUNCATED DOME PATTERN DETAIL

NOT TO SCALE (S070117-012013)

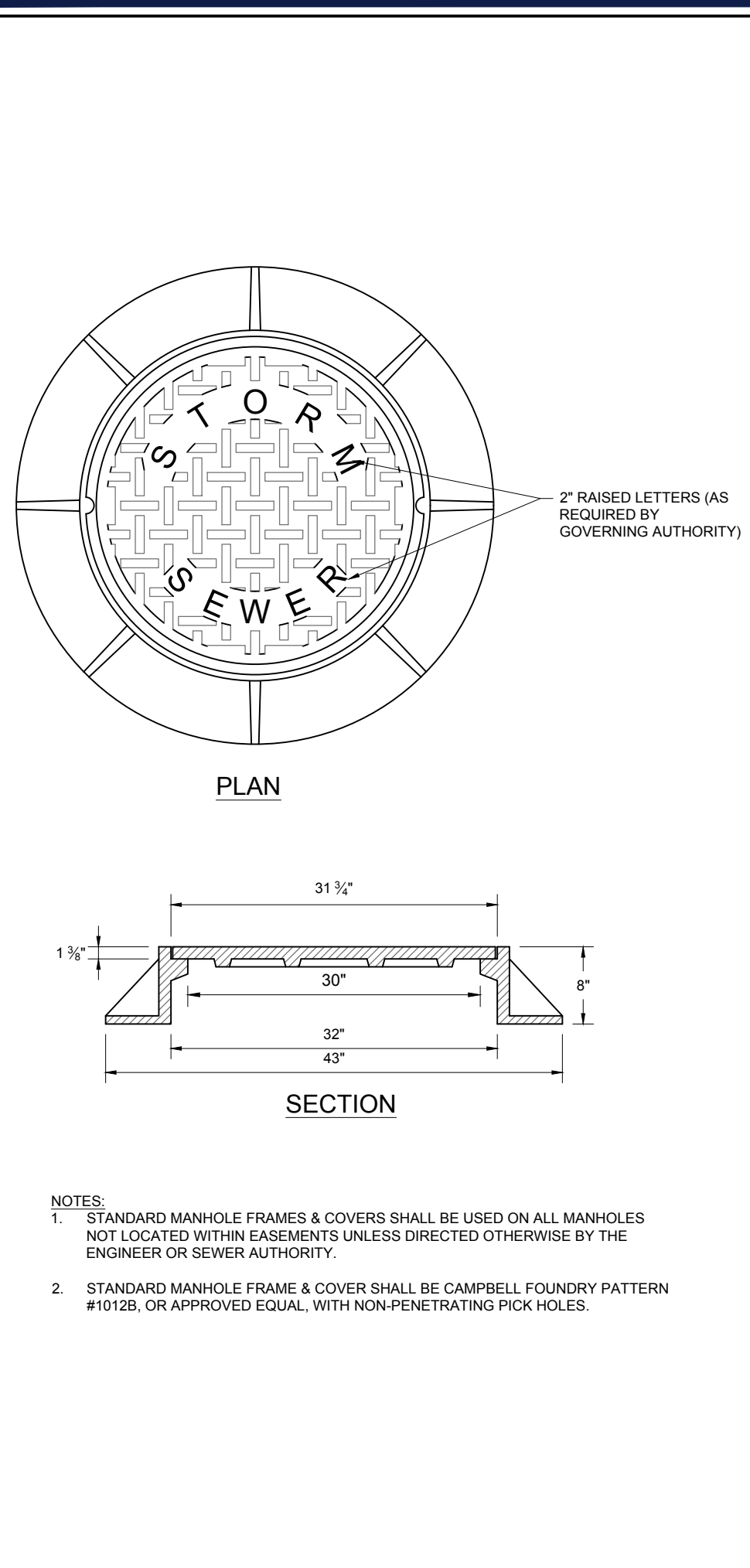
5 LIGHT POLE FOUNDATION DETAIL

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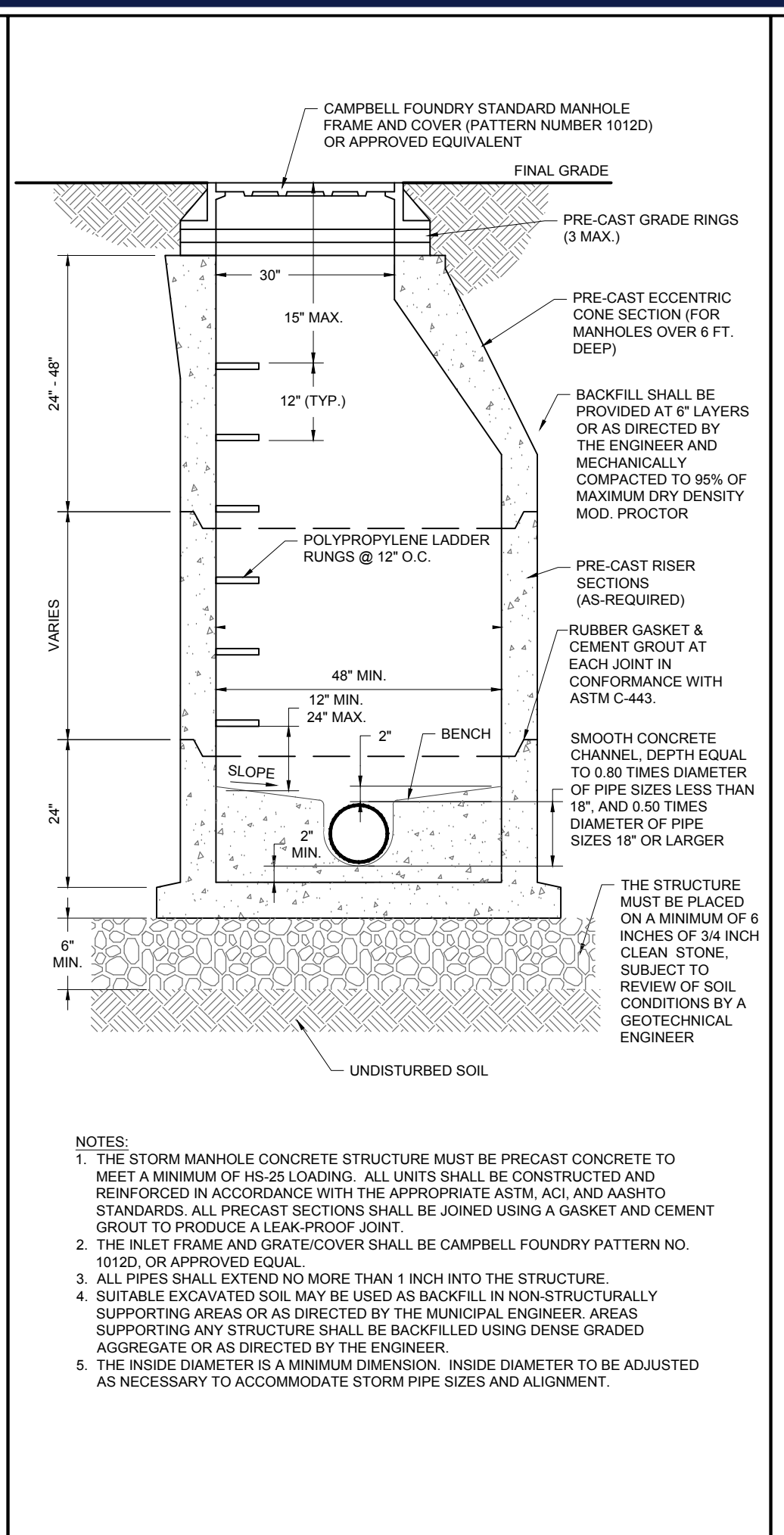
6 LIGHT POLE SPECIFICATION

NOT TO SCALE (SOURCE: LSI INDUSTRIES)

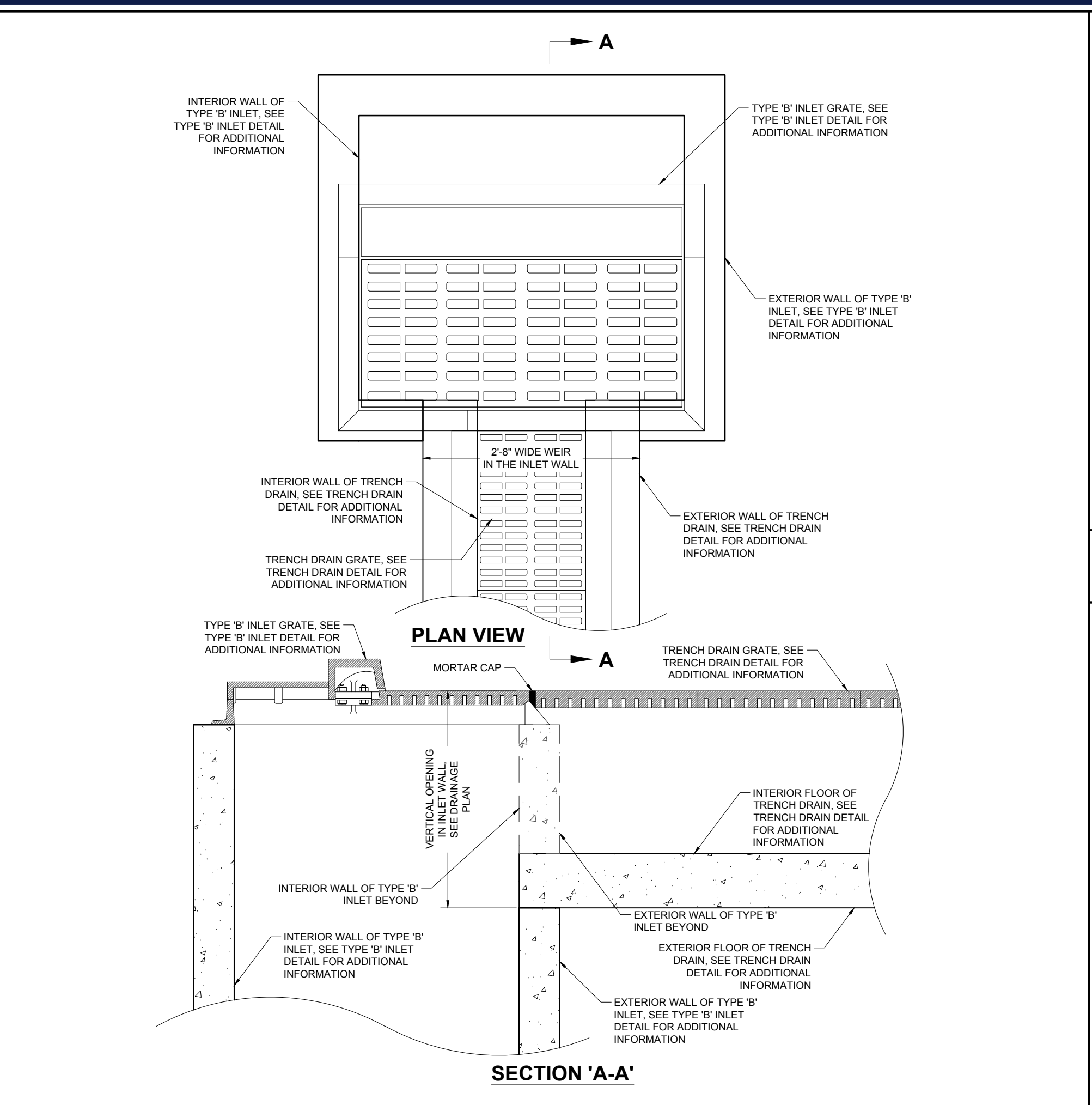
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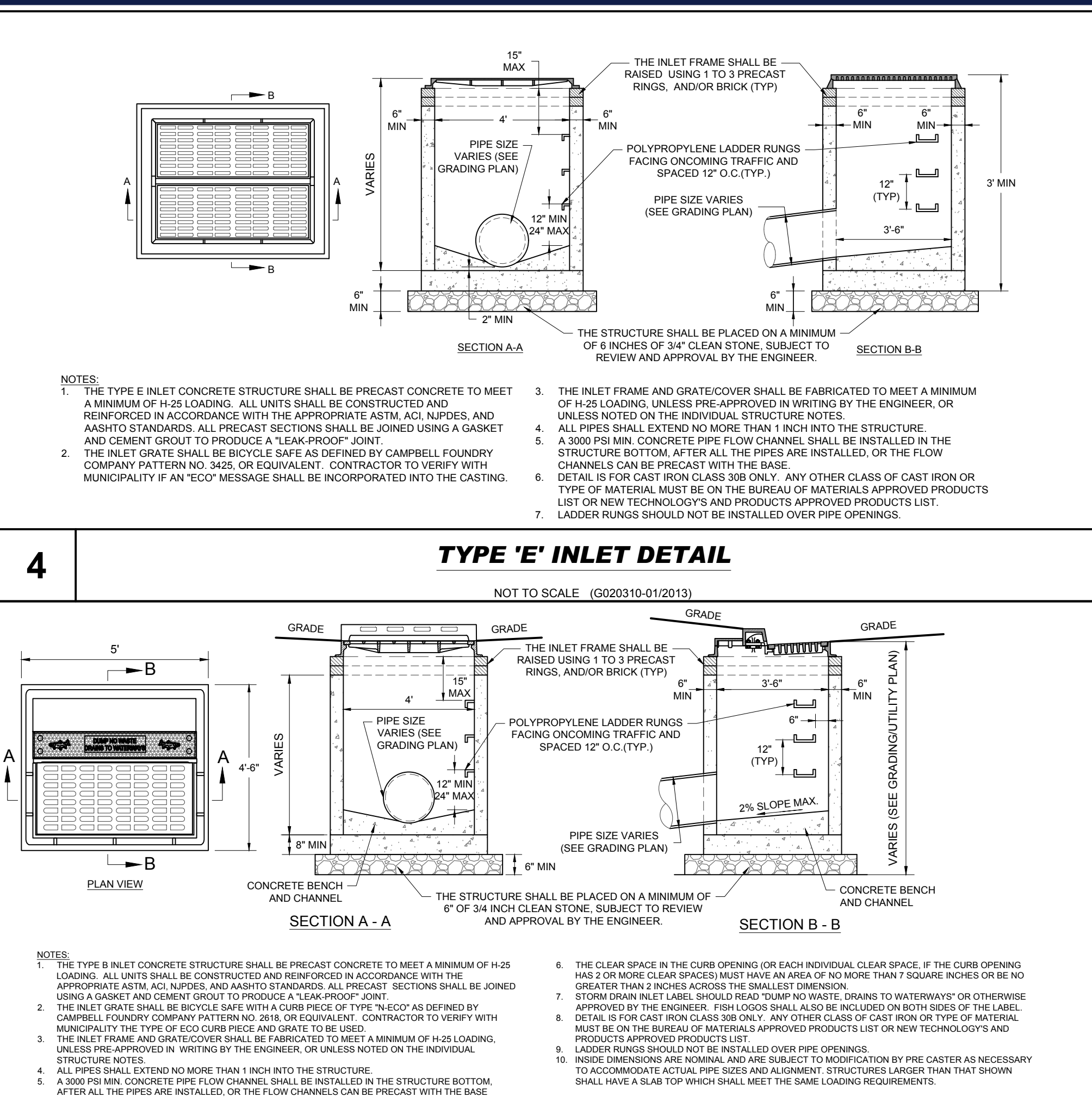
1 STORM MANHOLE FRAME & COVER DETAIL
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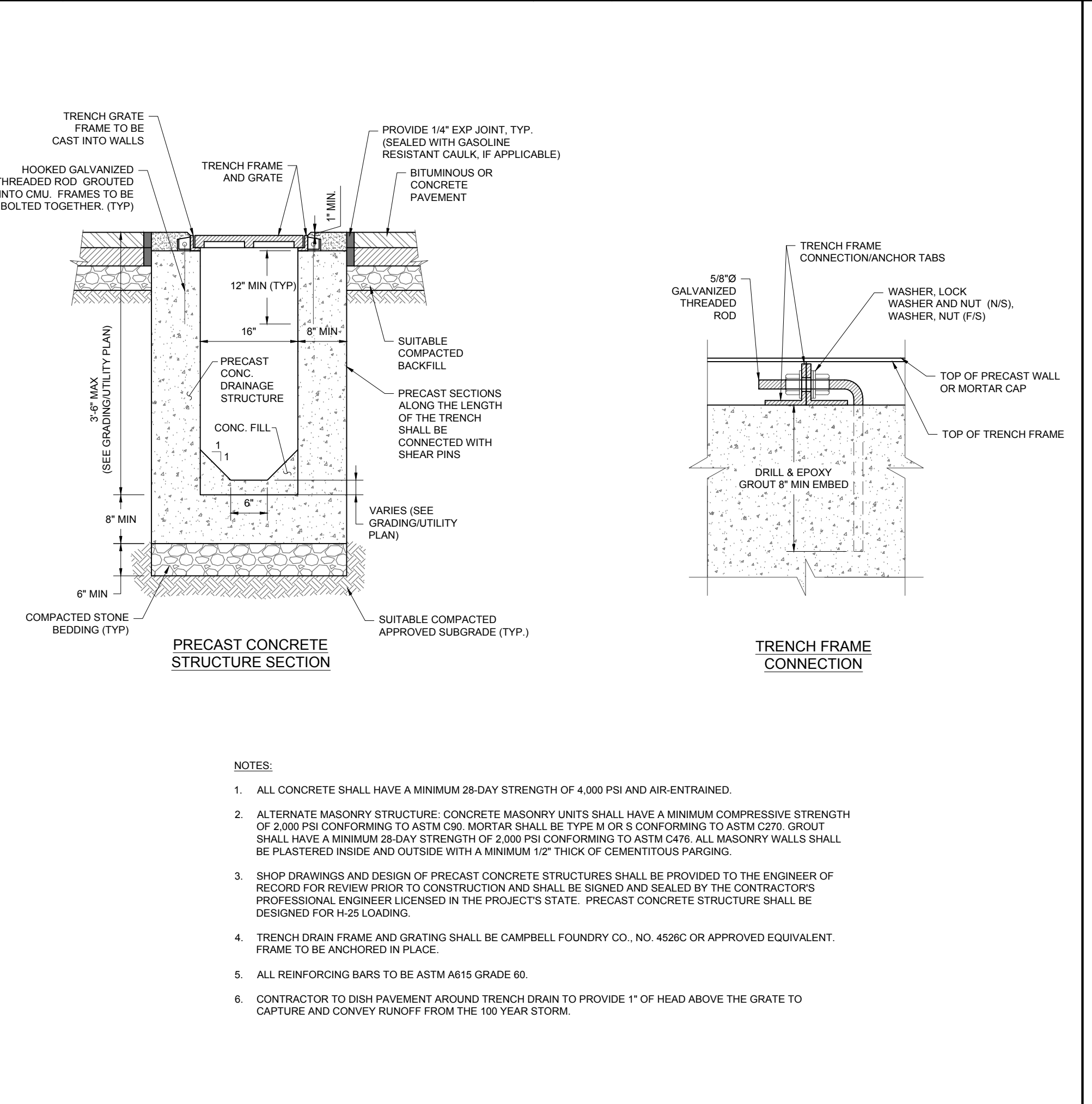
2 STORM MANHOLE DETAIL
NOT TO SCALE (G020407-04/2019)



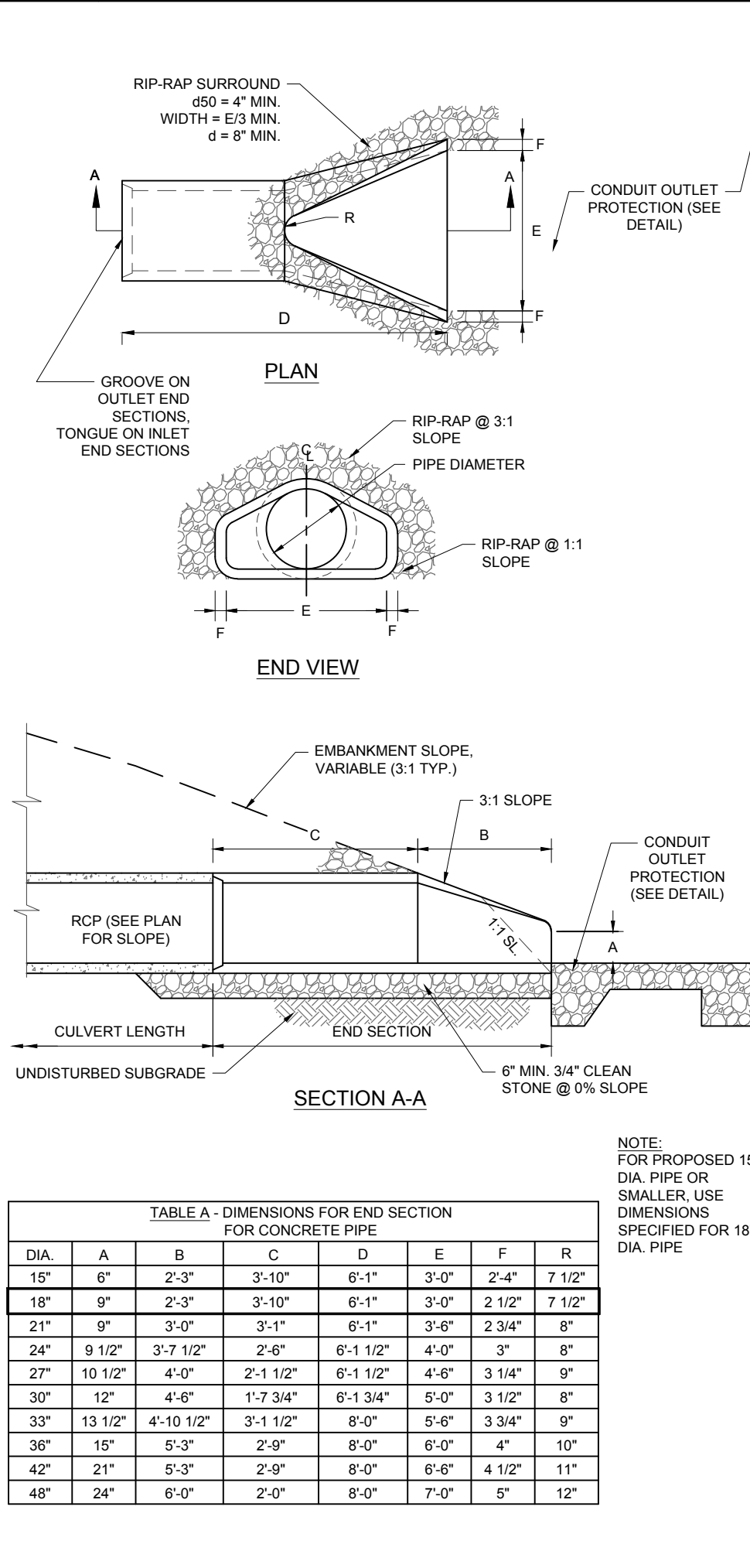
3 TRENCH DRAIN CONNECTION TO 'B' INLET DETAIL
NOT TO SCALE



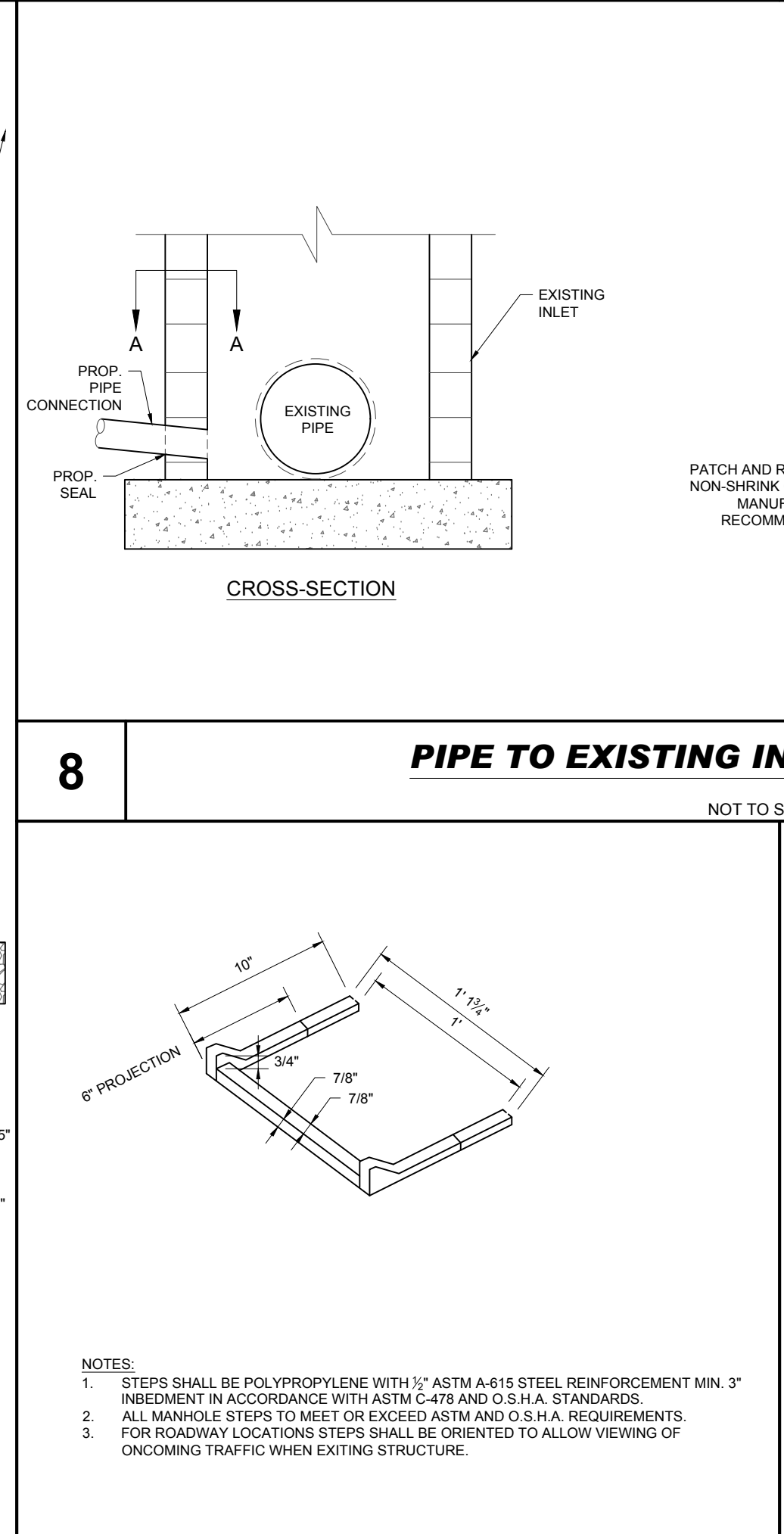
4 TYPE 'E' INLET DETAIL
NOT TO SCALE (G020310-01/2013)



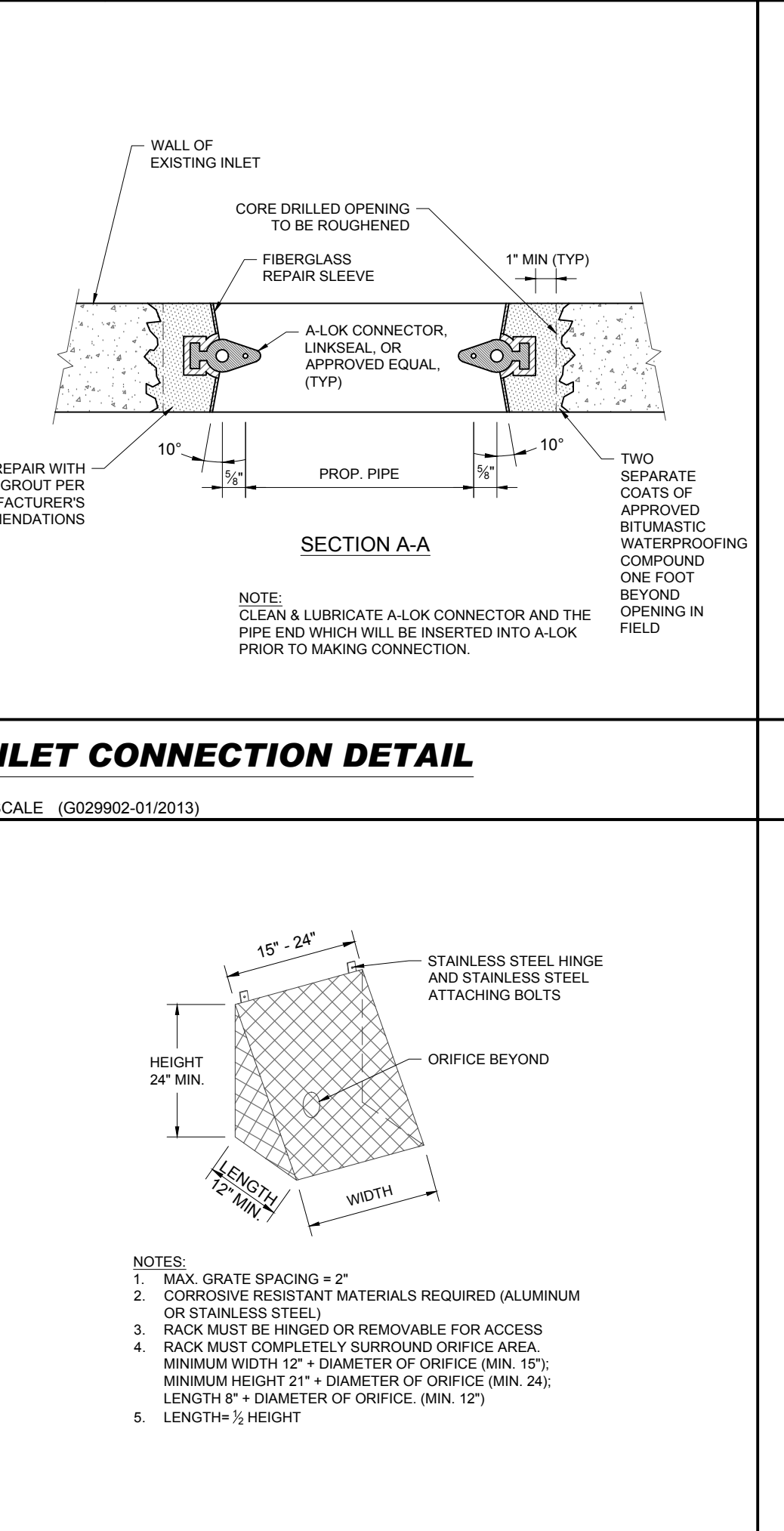
6 TRENCH DRAIN CONVEYANCE DETAIL
NOT TO SCALE (G020106-01/2013) (MOD. 07/2021)



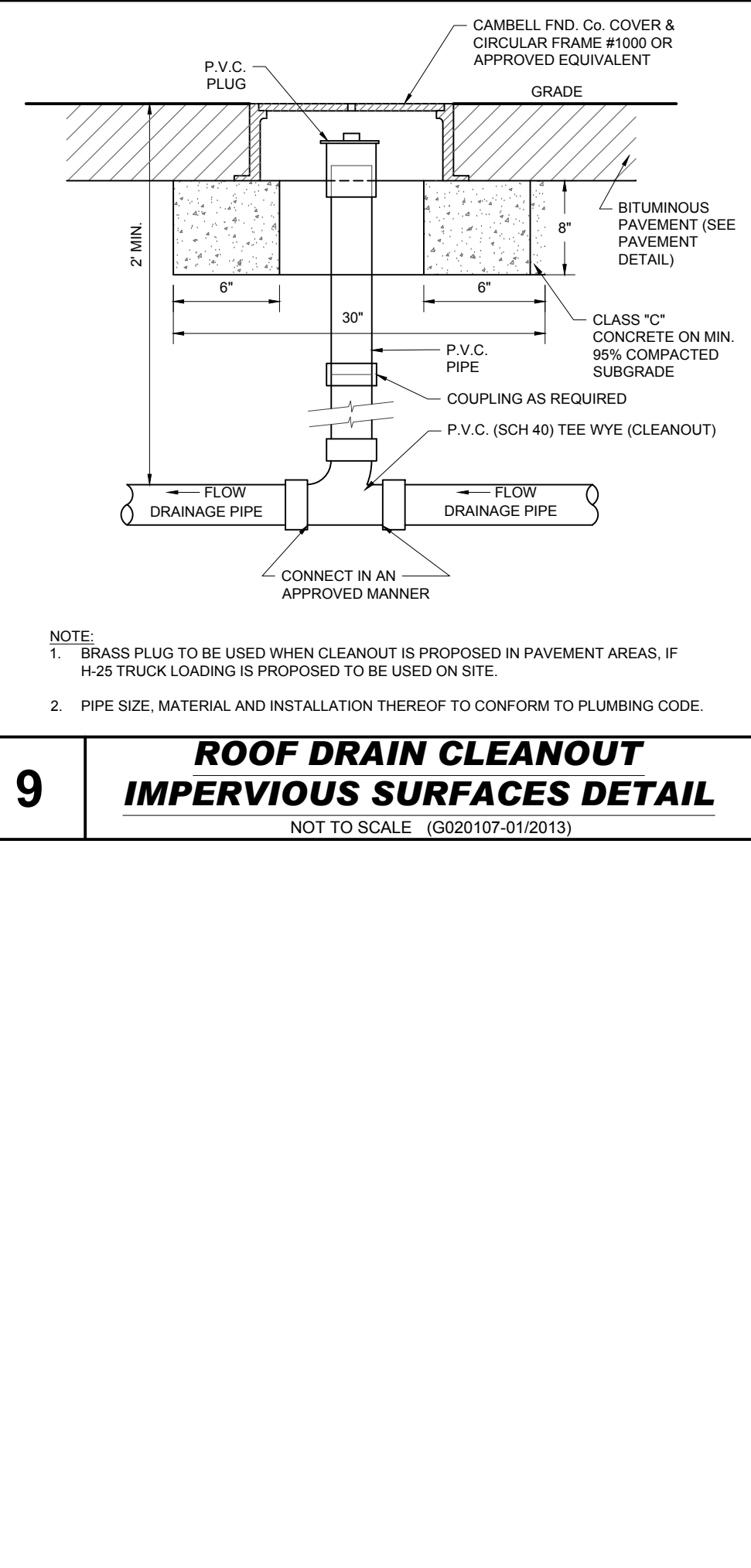
7 F.E.S. FOR REINFORCED CONCRETE PIPE DETAIL
NOT TO SCALE (G020405-01/2013)



8 PIPE TO EXISTING INLET CONNECTION DETAIL
NOT TO SCALE (G029902-01/2013)



10 MANHOLE POLYPROPYLENE LADDER RUNG DETAIL
NOT TO SCALE (G020405-01/2013)



9 ROOF DRAIN CLEANOUT IMPERVIOUS SURFACES DETAIL
NOT TO SCALE (G020107-01/2013)

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PERMITTING SERVICES
TRANSPORTATION SERVICES

REVISIONS

REV	DATE	COMMENT	DRAWN BY
1	03/09/2022	REV. PER DRCC COMMENTS	CPR
2	12/05/2022	REV. PER TOWNSHIP COMMENTS	TXL
3	02/21/2023	REV. PER TOWNSHIP COMMENTS	TXL
4	04/12/2023	REV. PER TOWNSHIP COMMENTS	TXL
5	09/18/2023	REV. PER COUNTY ROW IMPROVEMENTS	MAI
6	11/07/2023	REV. PER TOWNSHIP COMMENTS	TXL
7	01/12/2024	REV. PER TOWNSHIP COMMENTS	KK

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PROJECT NO.: J190844
DRAWN BY: CPR
CHECKED BY: TXL
DATE: 11/04/2021
CAD ID: J190844-COVR-7A

PROJECT:
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 NIGHTSTOWN ROAD AND 125 SOUTHFIELD ROAD
TOWNSHIP OF WEST WINDSOR
MERCER COUNTY, NEW JERSEY

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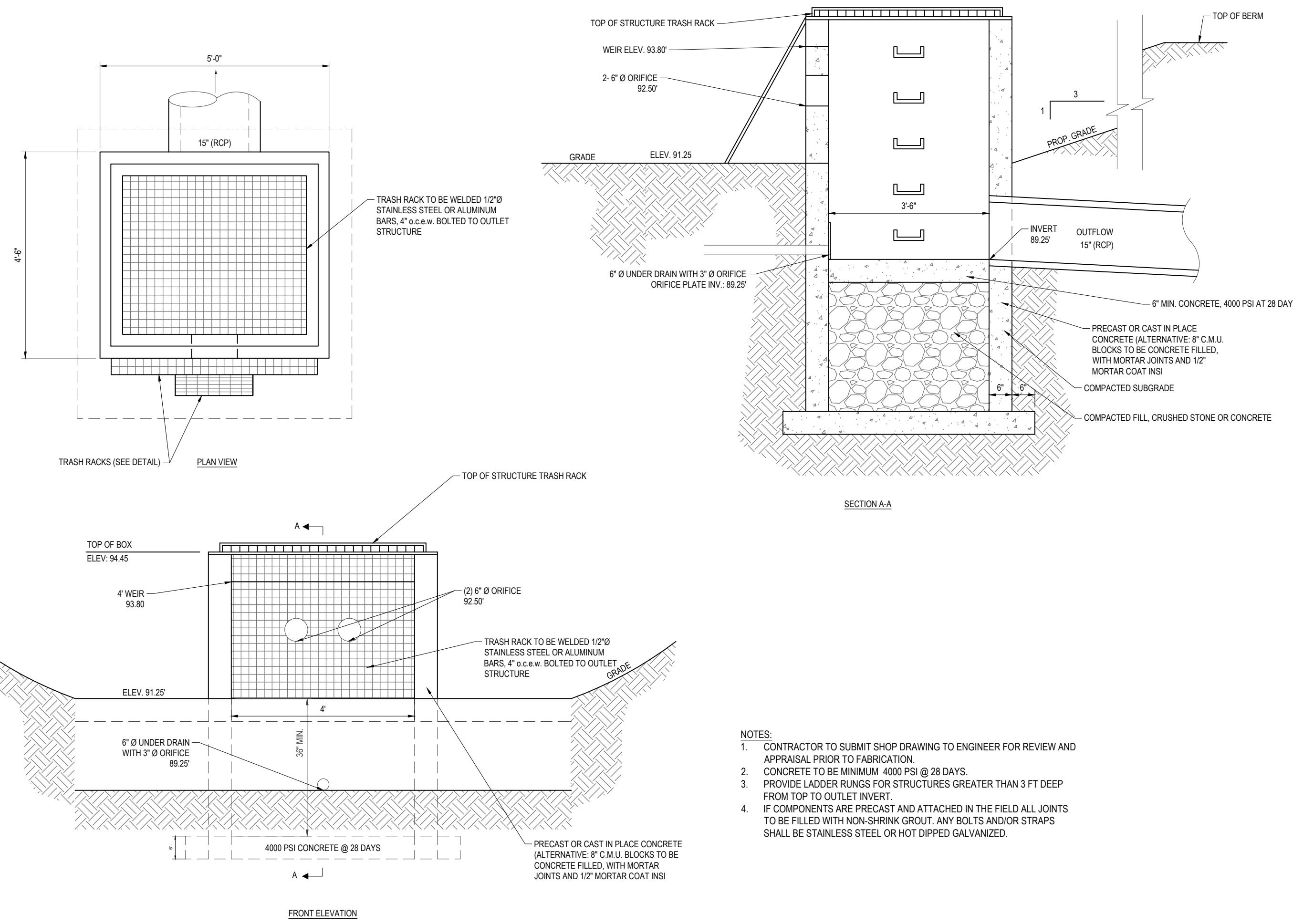
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SHEET TITLE:
DETAIL SHEET D

SHEET NUMBER:
C-904

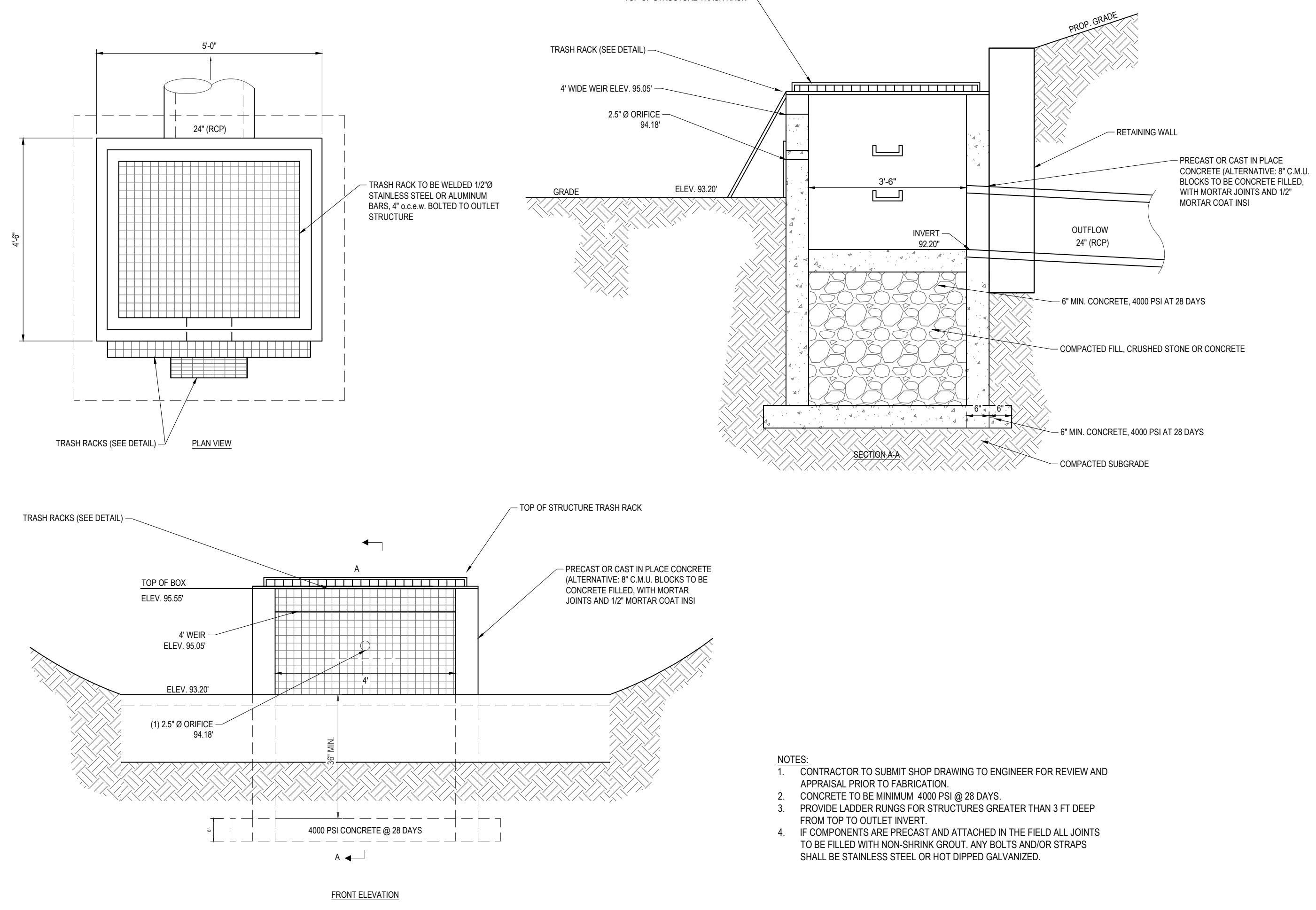
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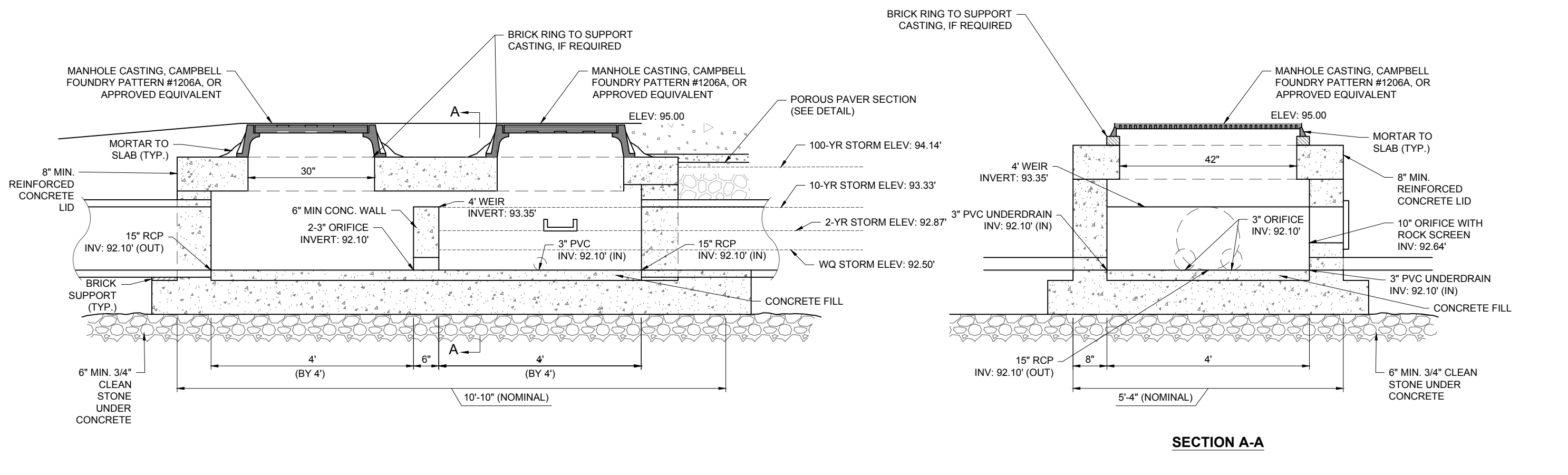
1 **OUTLET STRUCTURE #130 - BIO-RETENTION BASIN #1**

SCALE: 1"=2' (G00000000)



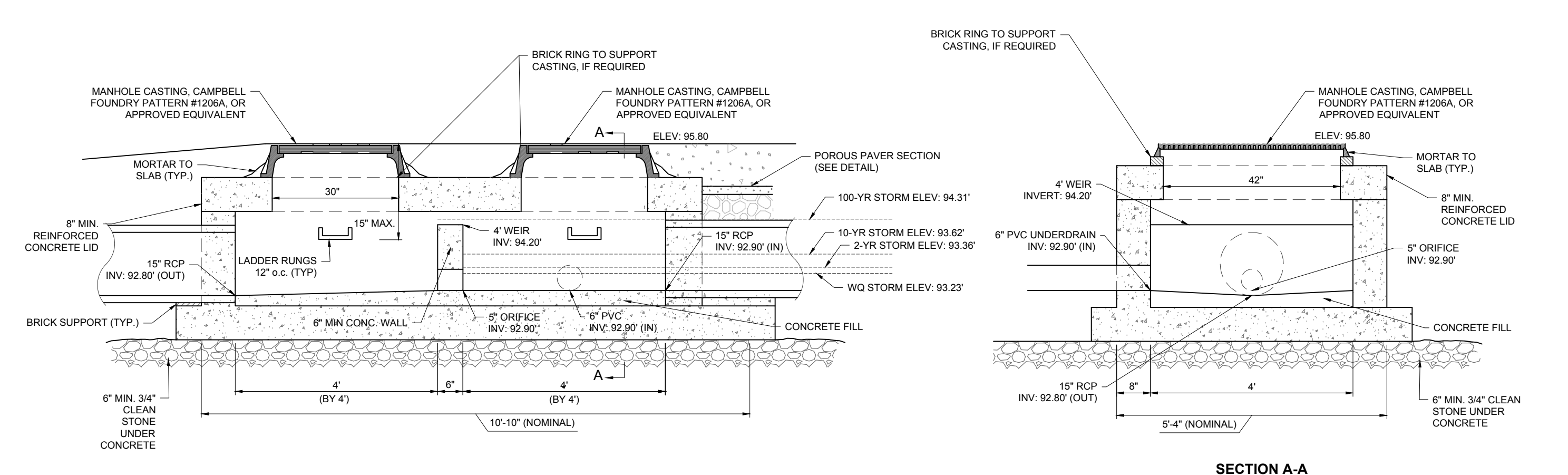
2 **OUTLET STRUCTURE #411 - BIO RETENTION BASIN 2**

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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7	01/12/2024	REV. PER TOWNSHIP COMMENTS	KK

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CAD ID: J190844-COVR-7A

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

FOR
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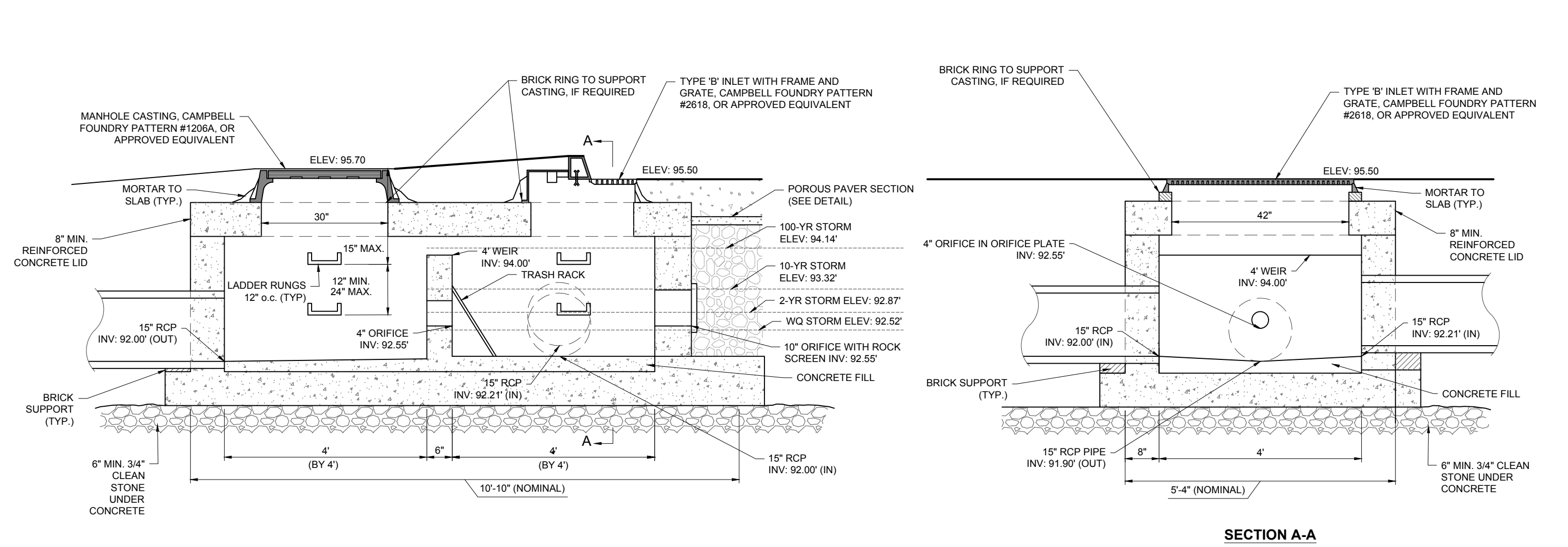
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SHEET TITLE:
DETAIL SHEET E

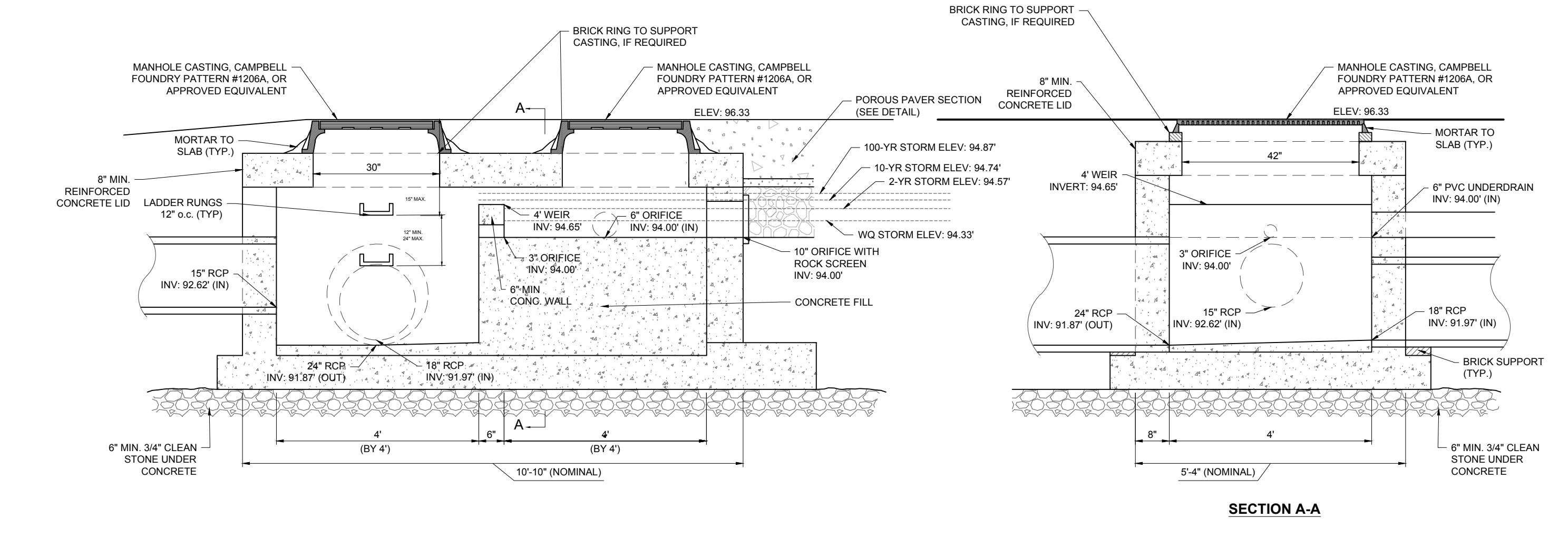
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C-905

REVISION 7 - 01/12/2024

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- NOTES:
- FOR INVERTS, PIPE SIZES AND ELEVATIONS, SEE PLANS.
 - THE TYPE B INLET CONCRETE STRUCTURE SHALL BE PRECAST CONCRETE TO MEET A MINIMUM OF H-25 LOADING. ALL UNITS SHALL BE CONSTRUCTED AND REINFORCED IN ACCORDANCE WITH THE APPROPRIATE ASTM, ACI, NIPDES, AND AASHTO STANDARDS. ALL PRECAST SECTIONS SHALL BE JOINED USING A GASKET AND CEMENT GROUT TO PRODUCE A "LEAK-PROOF" JOINT.
 - THE INLET GRATE SHALL BE BICYCLE SAFE WITH A CURB PIECE OF TYPE "N-ECO" AS DEFINED BY CAMPBELL FOUNDRY COMPANY PATTERN NO. 2618, OR EQUIVALENT. CONTRACTOR TO VERIFY WITH MUNICIPALITY THE TYPE OF ECO CURB PIECE AND GRATE TO BE USED.
 - THE INLET FRAME AND GRATE COVER SHALL BE FABRICATED TO MEET A MINIMUM OF H-25 LOADING, UNLESS PRE-APPROVED IN WRITING BY THE ENGINEER, OR UNLESS NOTED ON THE INDIVIDUAL STRUCTURE NOTES.
 - ALL PIPES SHALL EXTEND NO MORE THAN 1 INCH INTO THE STRUCTURE.
 - A 2500 PSI MIN. CONCRETE PIPE FLOW CHANNEL SHALL BE INSTALLED IN THE STRUCTURE BOTTOM, AFTER ALL THE PIPES ARE INSTALLED, OR THE FLOW CHANNELS CAN BE PRECAST WITH THE BASE.
 - THE CLEAR SPACE IN THE CURB OPENING (OR EACH INDIVIDUAL CLEAR SPACE, IF THE CURB OPENING HAS 2 OR MORE CLEAR SPACES) MUST HAVE AN AREA OF NO MORE THAN 7 SQUARE INCHES OR BE NO GREATER THAN 2 INCHES ACROSS THE SMALLEST DIMENSION.
 - STORM DRAIN INLET LABEL SHOULD READ "NO DUMPING, DRAINS TO WATERWAYS" OR OTHERWISE APPROVED BY THE ENGINEER. FISH LOGOS SHALL ALSO BE INCLUDED ON BOTH SIDES OF THE LABEL.
 - DETAIL IS FOR CAST IRON CLASS 308 ONLY. ANY OTHER CLASS OF CAST IRON OR TYPE OF MATERIAL MUST BE ON THE BUREAU OF MATERIALS APPROVED PRODUCTS LIST OR NEW TECHNOLOGY'S AND PRODUCTS APPROVED PRODUCTS LIST.
 - UNLESS INDICATED OTHERWISE ALL CONSTRUCTION TO COMPLY WITH DOT SPECIFICATIONS.
 - TYPICAL DETAIL IS INTENDED FOR PIPE SIZES 30" DIAM. OR SMALLER FOR PIPE 30" OR LARGER AN OVERSIZE INLET WITH SLAB TOP WILL BE REQUIRED. SHOP DRAWINGS SHALL BE PROVIDED TO ENSURE THE APPROVAL PRIOR TO FABRICATION.
 - WHEN PRE-CAST, PRECASTER TO PROVIDE SHOP DRAWING FOR REVIEW BY ENGINEER PRIOR TO FABRICATION.
 - ALL STRUCTURAL CONCRETE TO BE MIN. 4000 PSI.



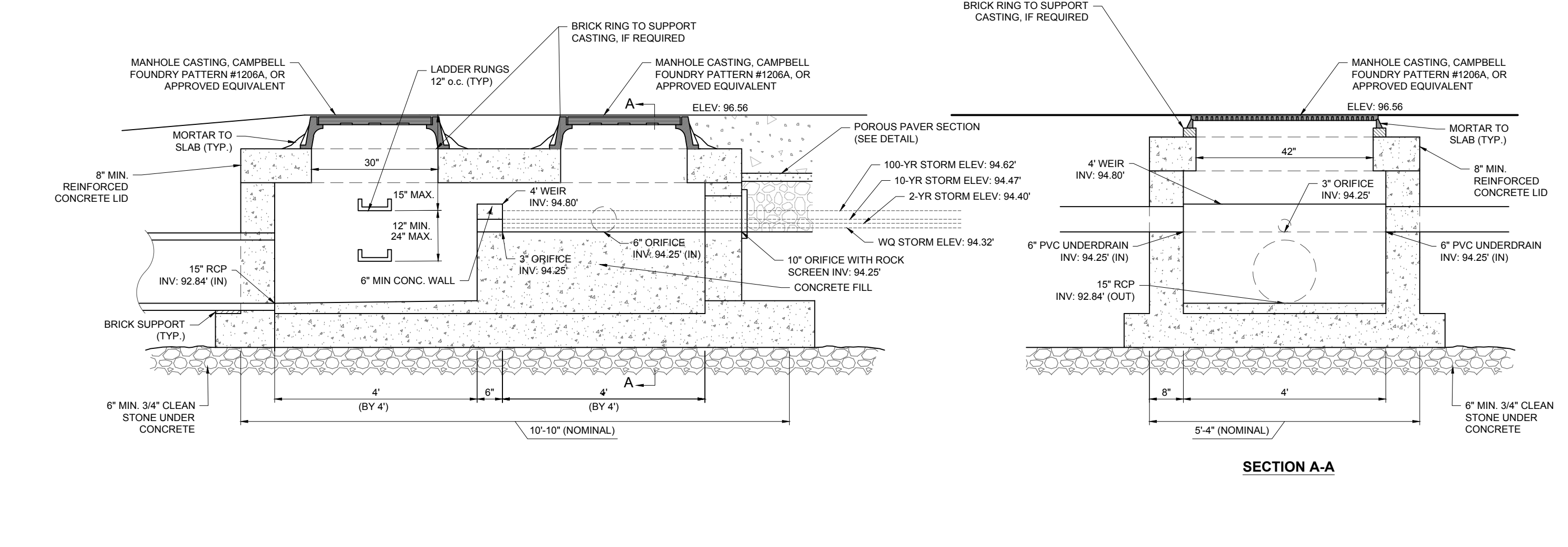
- NOTES:
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 - ALL PIPES SHALL EXTEND NO MORE THAN 1 INCH INTO THE STRUCTURE.
 - A 2500 PSI MIN. CONCRETE PIPE FLOW CHANNEL SHALL BE INSTALLED IN THE STRUCTURE BOTTOM, AFTER ALL THE PIPES ARE INSTALLED, OR THE FLOW CHANNELS CAN BE PRECAST WITH THE BASE.
 - THE CLEAR SPACE IN THE CURB OPENING (OR EACH INDIVIDUAL CLEAR SPACE, IF THE CURB OPENING HAS 2 OR MORE CLEAR SPACES) MUST HAVE AN AREA OF NO MORE THAN 7 SQUARE INCHES OR BE NO GREATER THAN 2 INCHES ACROSS THE SMALLEST DIMENSION.
 - STORM DRAIN INLET LABEL SHOULD READ "NO DUMPING, DRAINS TO WATERWAYS" OR OTHERWISE APPROVED BY THE ENGINEER. FISH LOGOS SHALL ALSO BE INCLUDED ON BOTH SIDES OF THE LABEL.
 - DETAIL IS FOR CAST IRON CLASS 308 ONLY. ANY OTHER CLASS OF CAST IRON OR TYPE OF MATERIAL MUST BE ON THE BUREAU OF MATERIALS APPROVED PRODUCTS LIST OR NEW TECHNOLOGY'S AND PRODUCTS APPROVED PRODUCTS LIST.
 - UNLESS INDICATED OTHERWISE ALL CONSTRUCTION TO COMPLY WITH DOT SPECIFICATIONS.
 - TYPICAL DETAIL IS INTENDED FOR PIPE SIZES 30" DIAM. OR SMALLER FOR PIPE 30" OR LARGER AN OVERSIZE INLET WITH SLAB TOP WILL BE REQUIRED. SHOP DRAWINGS SHALL BE PROVIDED TO ENSURE THE APPROVAL PRIOR TO FABRICATION.
 - WHEN PRE-CAST, PRECASTER TO PROVIDE SHOP DRAWING FOR REVIEW BY ENGINEER PRIOR TO FABRICATION.
 - ALL STRUCTURAL CONCRETE TO BE MIN. 4000 PSI.

1 OUTLET STRUCTURE #620 DETAIL (POROUS PAVER AREA #3)

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

2 OUTLET STRUCTURE #330 DETAIL (POROUS PAVER AREA #5)

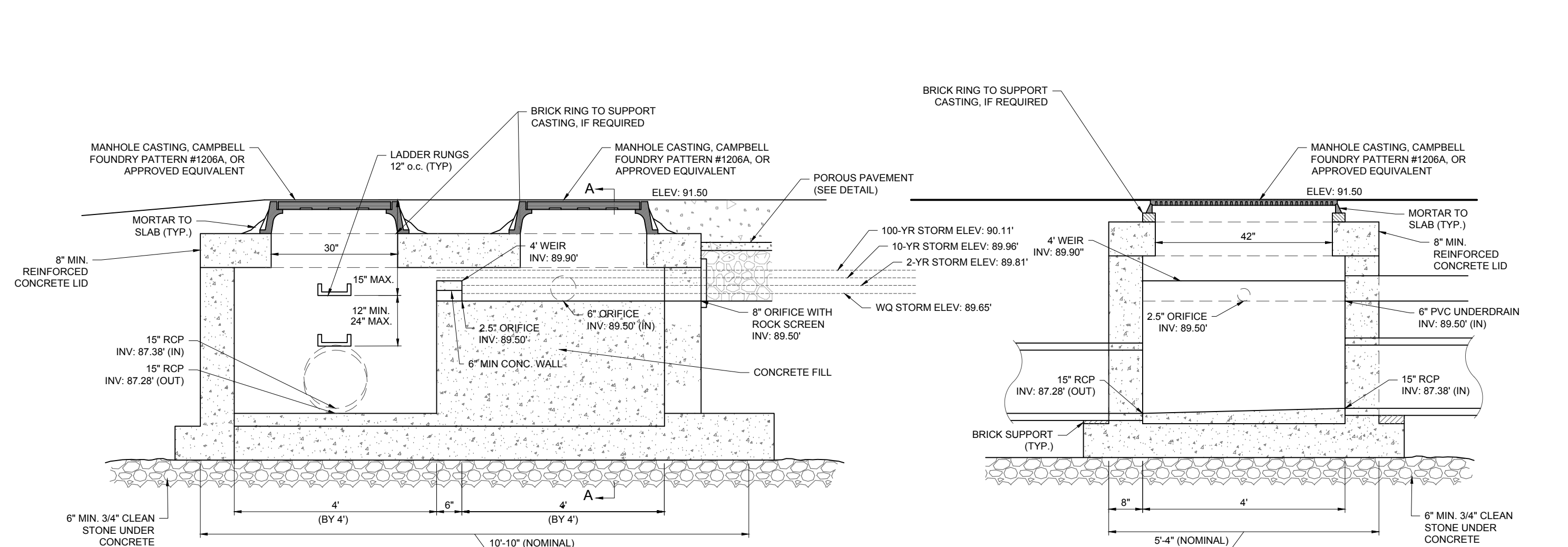
SCALE: 1"= 2' (G020502.02 - 9/2016)



- NOTES:
- FOR INVERTS, PIPE SIZES AND ELEVATIONS, SEE PLANS.
 - THE TYPE B INLET CONCRETE STRUCTURE SHALL BE PRECAST CONCRETE TO MEET A MINIMUM OF H-25 LOADING. ALL UNITS SHALL BE CONSTRUCTED AND REINFORCED IN ACCORDANCE WITH THE APPROPRIATE ASTM, ACI, NIPDES, AND AASHTO STANDARDS. ALL PRECAST SECTIONS SHALL BE JOINED USING A GASKET AND CEMENT GROUT TO PRODUCE A "LEAK-PROOF" JOINT.
 - THE INLET GRATE SHALL BE BICYCLE SAFE WITH A CURB PIECE OF TYPE "N-ECO" AS DEFINED BY CAMPBELL FOUNDRY COMPANY PATTERN NO. 2618, OR EQUIVALENT. CONTRACTOR TO VERIFY WITH MUNICIPALITY THE TYPE OF ECO CURB PIECE AND GRATE TO BE USED.
 - THE INLET FRAME AND GRATE COVER SHALL BE FABRICATED TO MEET A MINIMUM OF H-25 LOADING, UNLESS PRE-APPROVED IN WRITING BY THE ENGINEER, OR UNLESS NOTED ON THE INDIVIDUAL STRUCTURE NOTES.
 - ALL PIPES SHALL EXTEND NO MORE THAN 1 INCH INTO THE STRUCTURE.
 - A 2500 PSI MIN. CONCRETE PIPE FLOW CHANNEL SHALL BE INSTALLED IN THE STRUCTURE BOTTOM, AFTER ALL THE PIPES ARE INSTALLED, OR THE FLOW CHANNELS CAN BE PRECAST WITH THE BASE.
 - THE CLEAR SPACE IN THE CURB OPENING (OR EACH INDIVIDUAL CLEAR SPACE, IF THE CURB OPENING HAS 2 OR MORE CLEAR SPACES) MUST HAVE AN AREA OF NO MORE THAN 7 SQUARE INCHES OR BE NO GREATER THAN 2 INCHES ACROSS THE SMALLEST DIMENSION.
 - STORM DRAIN INLET LABEL SHOULD READ "NO DUMPING, DRAINS TO WATERWAYS" OR OTHERWISE APPROVED BY THE ENGINEER. FISH LOGOS SHALL ALSO BE INCLUDED ON BOTH SIDES OF THE LABEL.
 - DETAIL IS FOR CAST IRON CLASS 308 ONLY. ANY OTHER CLASS OF CAST IRON OR TYPE OF MATERIAL MUST BE ON THE BUREAU OF MATERIALS APPROVED PRODUCTS LIST OR NEW TECHNOLOGY'S AND PRODUCTS APPROVED PRODUCTS LIST.
 - UNLESS INDICATED OTHERWISE ALL CONSTRUCTION TO COMPLY WITH DOT SPECIFICATIONS.
 - TYPICAL DETAIL IS INTENDED FOR PIPE SIZES 30" DIAM. OR SMALLER FOR PIPE 30" OR LARGER AN OVERSIZE INLET WITH SLAB TOP WILL BE REQUIRED. SHOP DRAWINGS SHALL BE PROVIDED TO ENSURE THE APPROVAL PRIOR TO FABRICATION.
 - WHEN PRE-CAST, PRECASTER TO PROVIDE SHOP DRAWING FOR REVIEW BY ENGINEER PRIOR TO FABRICATION.
 - ALL STRUCTURAL CONCRETE TO BE MIN. 4000 PSI.

3 OUTLET STRUCTURE #331 DETAIL (POROUS PAVER AREA #6)

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



- NOTES:
- FOR INVERTS, PIPE SIZES AND ELEVATIONS, SEE PLANS.
 - THE TYPE B INLET CONCRETE STRUCTURE SHALL BE PRECAST CONCRETE TO MEET A MINIMUM OF H-25 LOADING. ALL UNITS SHALL BE CONSTRUCTED AND REINFORCED IN ACCORDANCE WITH THE APPROPRIATE ASTM, ACI, NIPDES, AND AASHTO STANDARDS. ALL PRECAST SECTIONS SHALL BE JOINED USING A GASKET AND CEMENT GROUT TO PRODUCE A "LEAK-PROOF" JOINT.
 - THE INLET GRATE SHALL BE BICYCLE SAFE WITH A CURB PIECE OF TYPE "N-ECO" AS DEFINED BY CAMPBELL FOUNDRY COMPANY PATTERN NO. 2618, OR EQUIVALENT. CONTRACTOR TO VERIFY WITH MUNICIPALITY THE TYPE OF ECO CURB PIECE AND GRATE TO BE USED.
 - THE INLET FRAME AND GRATE COVER SHALL BE FABRICATED TO MEET A MINIMUM OF H-25 LOADING, UNLESS PRE-APPROVED IN WRITING BY THE ENGINEER, OR UNLESS NOTED ON THE INDIVIDUAL STRUCTURE NOTES.
 - ALL PIPES SHALL EXTEND NO MORE THAN 1 INCH INTO THE STRUCTURE.
 - A 2500 PSI MIN. CONCRETE PIPE FLOW CHANNEL SHALL BE INSTALLED IN THE STRUCTURE BOTTOM, AFTER ALL THE PIPES ARE INSTALLED, OR THE FLOW CHANNELS CAN BE PRECAST WITH THE BASE.
 - THE CLEAR SPACE IN THE CURB OPENING (OR EACH INDIVIDUAL CLEAR SPACE, IF THE CURB OPENING HAS 2 OR MORE CLEAR SPACES) MUST HAVE AN AREA OF NO MORE THAN 7 SQUARE INCHES OR BE NO GREATER THAN 2 INCHES ACROSS THE SMALLEST DIMENSION.
 - STORM DRAIN INLET LABEL SHOULD READ "NO DUMPING, DRAINS TO WATERWAYS" OR OTHERWISE APPROVED BY THE ENGINEER. FISH LOGOS SHALL ALSO BE INCLUDED ON BOTH SIDES OF THE LABEL.
 - DETAIL IS FOR CAST IRON CLASS 308 ONLY. ANY OTHER CLASS OF CAST IRON OR TYPE OF MATERIAL MUST BE ON THE BUREAU OF MATERIALS APPROVED PRODUCTS LIST OR NEW TECHNOLOGY'S AND PRODUCTS APPROVED PRODUCTS LIST.
 - UNLESS INDICATED OTHERWISE ALL CONSTRUCTION TO COMPLY WITH DOT SPECIFICATIONS.
 - TYPICAL DETAIL IS INTENDED FOR PIPE SIZES 30" DIAM. OR SMALLER FOR PIPE 30" OR LARGER AN OVERSIZE INLET WITH SLAB TOP WILL BE REQUIRED. SHOP DRAWINGS SHALL BE PROVIDED TO ENSURE THE APPROVAL PRIOR TO FABRICATION.
 - WHEN PRE-CAST, PRECASTER TO PROVIDE SHOP DRAWING FOR REVIEW BY ENGINEER PRIOR TO FABRICATION.
 - ALL STRUCTURAL CONCRETE TO BE MIN. 4000 PSI.

4 OUTLET STRUCTURE #110 DETAIL (POROUS PAVEMENT #7)

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

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 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 & M6000122

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
7	01/12/2024	REV. PER TOWNSHIP COMMENTS	KK	TXL

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THIS DRAWING IS INTENDED FOR MUNICIPAL AND/OR AGENCY REVIEW AND APPROVAL. IT IS NOT INTENDED AS A CONSTRUCTION DOCUMENT UNLESS INDICATED OTHERWISE.

PROJECT No.: J190844
 DRAWN BY: CPR
 CHECKED BY: TXL
 DATE: 11/04/2024
 CAD ID: J190844-COVR-7A

PRELIMINARY 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 HIGHTSTOWN ROAD AND 125 SOUTHWIND ROAD
 TOWNSHIP OF WEST WINDSOR
 MERCER COUNTY, NEW JERSEY

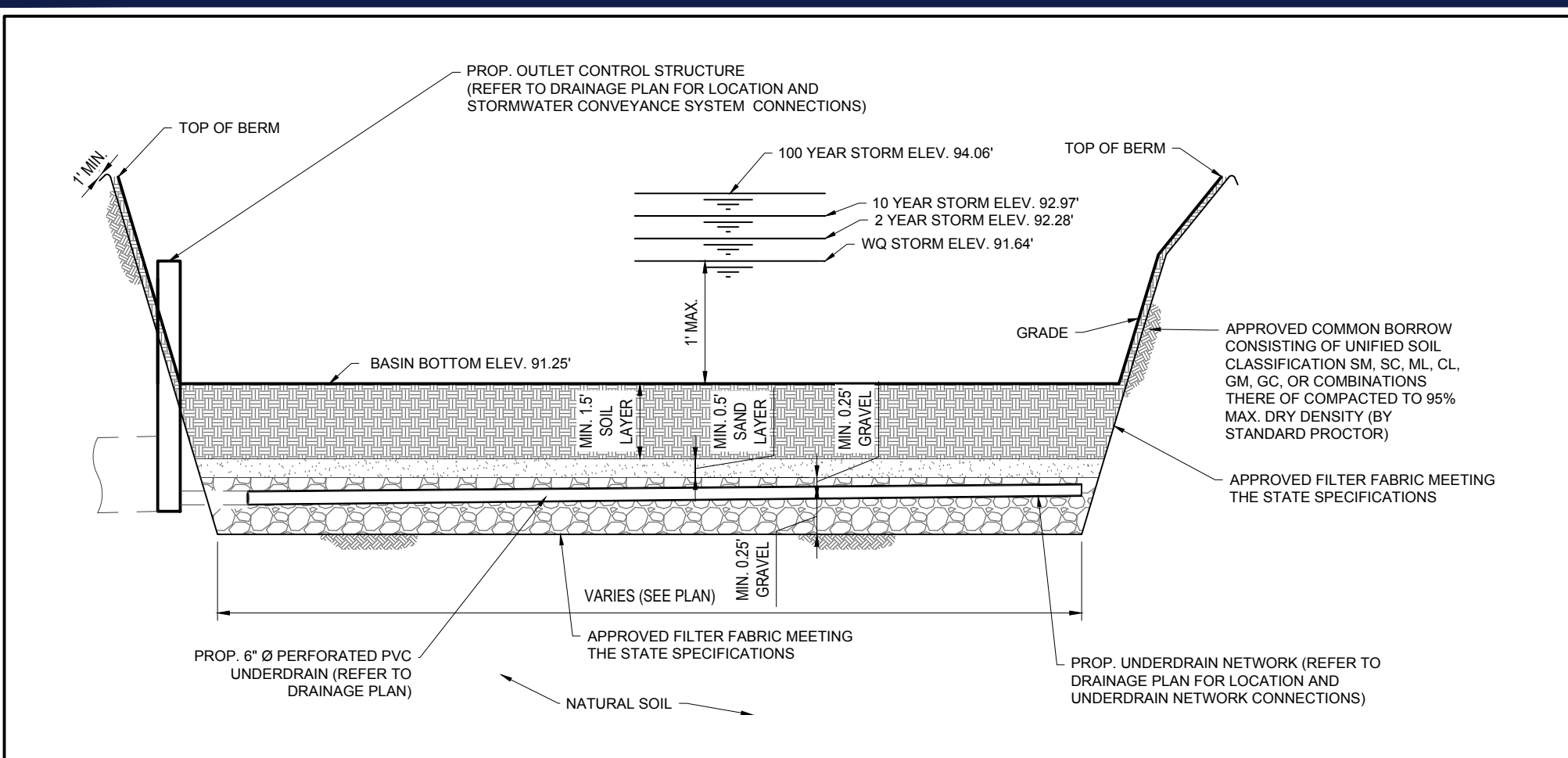
BOHLER
 BOHLER ENGINEERING NJ, LLC
 30 INDEPENDENCE BLVD., SUITE 200
 WARREN, NJ 07059
 Phone: (908) 685-6300
 Fax: (908) 724-4401
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T. LAM
 PROFESSIONAL ENGINEER
 NEW JERSEY LICENSE NO. 47862
 NEW YORK LICENSE NO. 029242
 CORNWALL LICENSE NO. 30024
 PENNSYLVANIA LICENSE NO. 76748

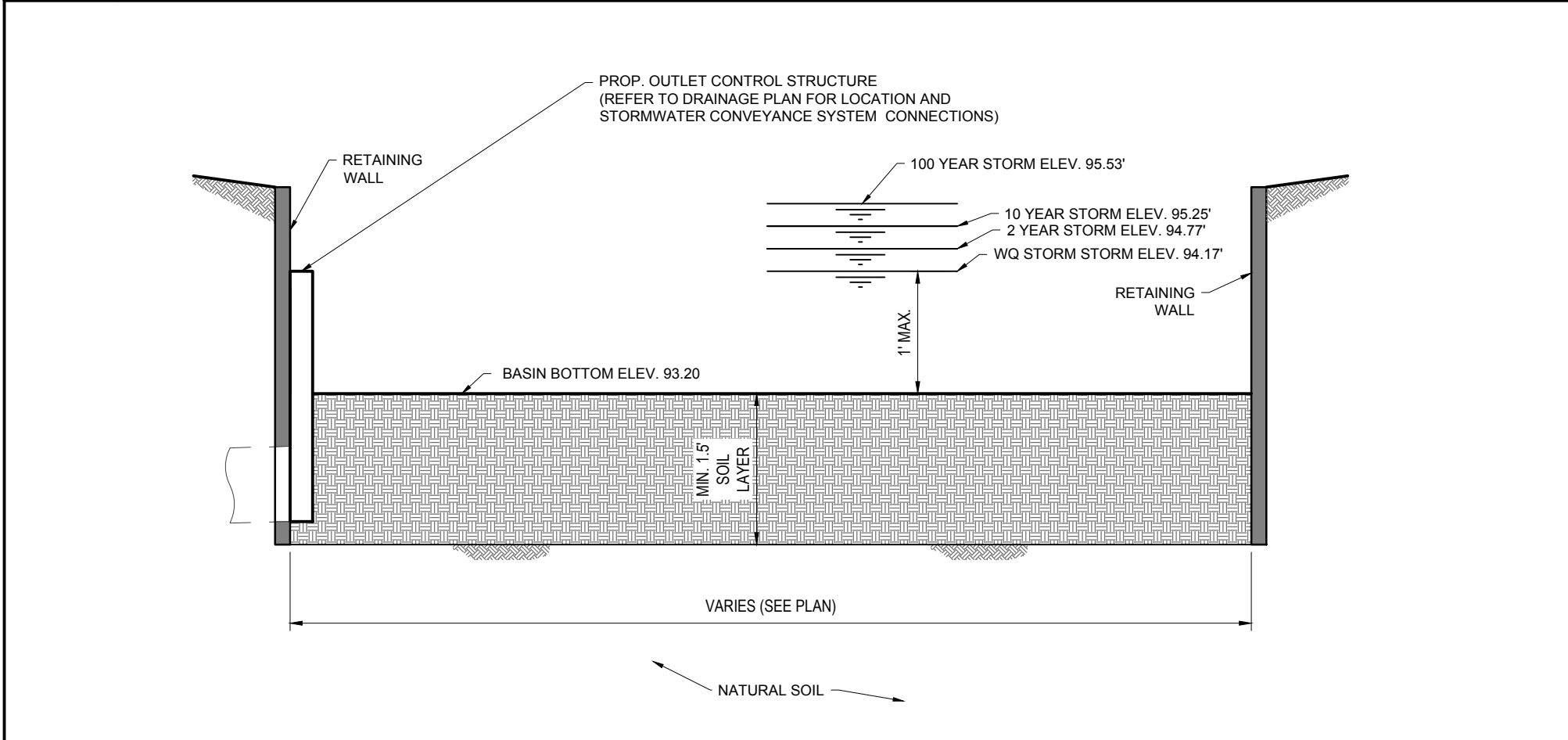
DETAIL SHEET F

SHEET NUMBER:
C-906

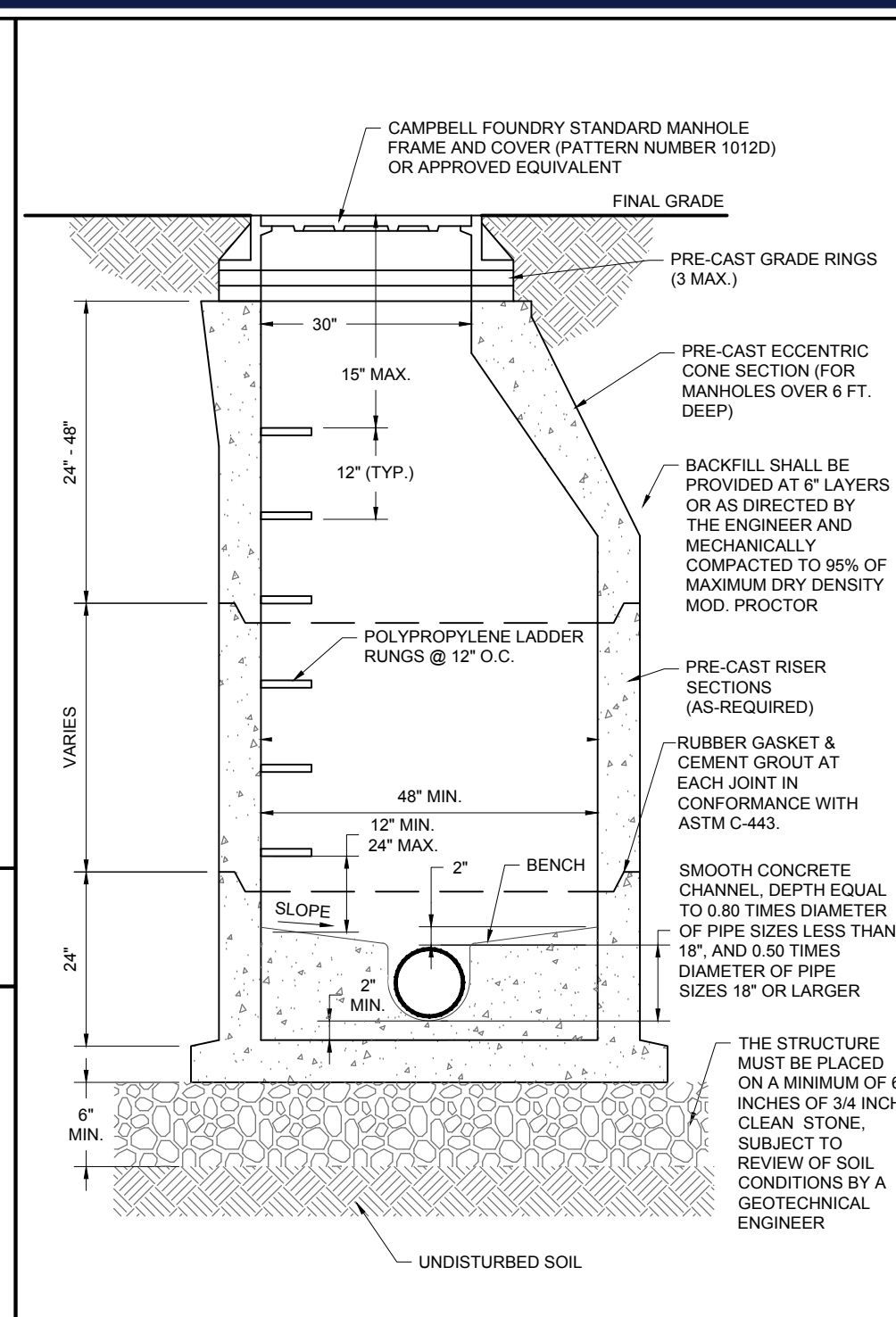
REVISION 7 - 01/12/2024



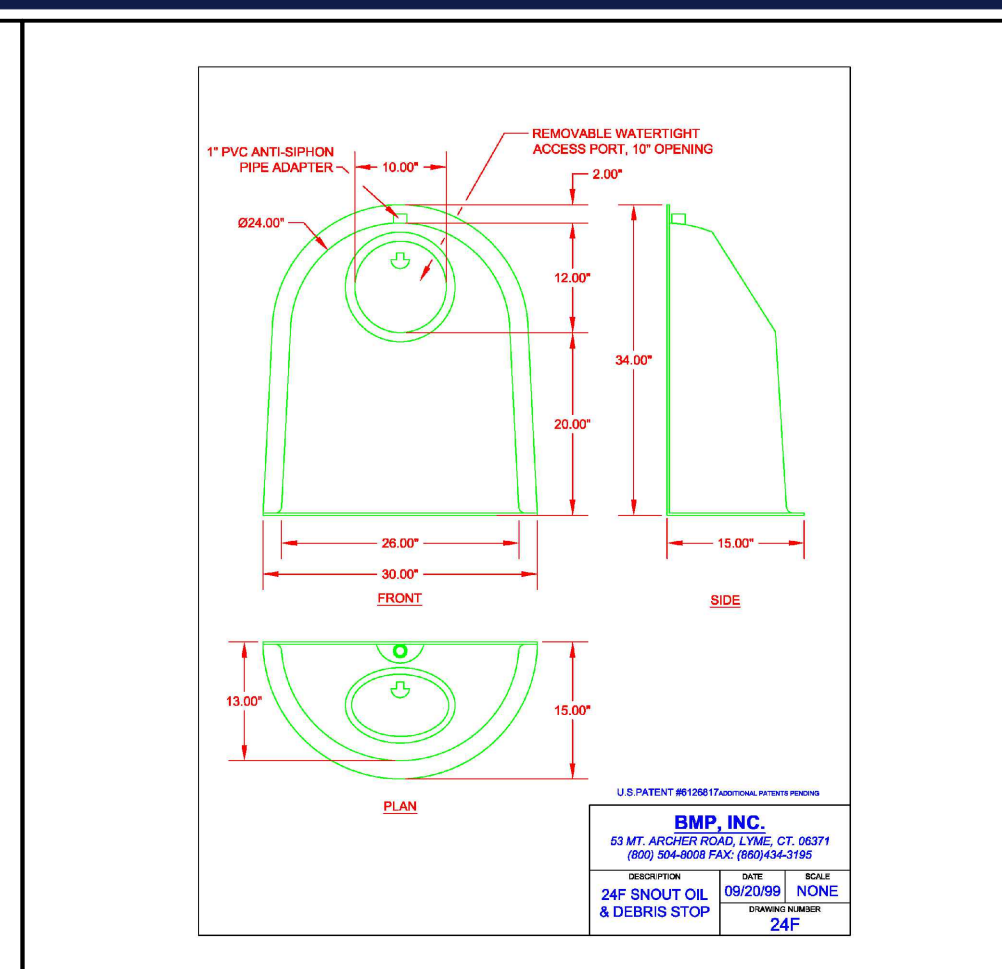
1 BIORETENTION BASIN #1 CROSS SECTION DETAIL
NOT TO SCALE (G00000000)



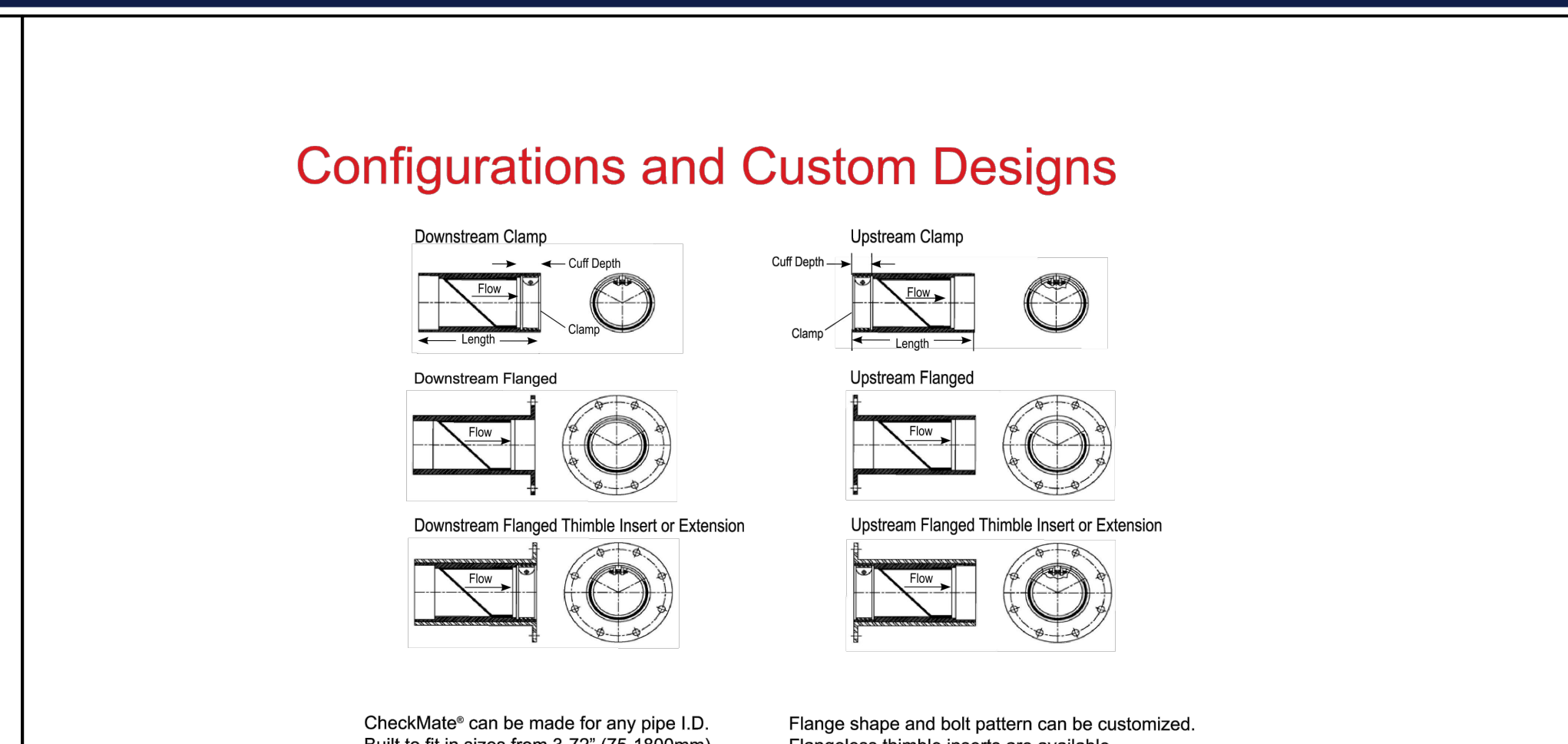
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NOT TO SCALE (G00000000)



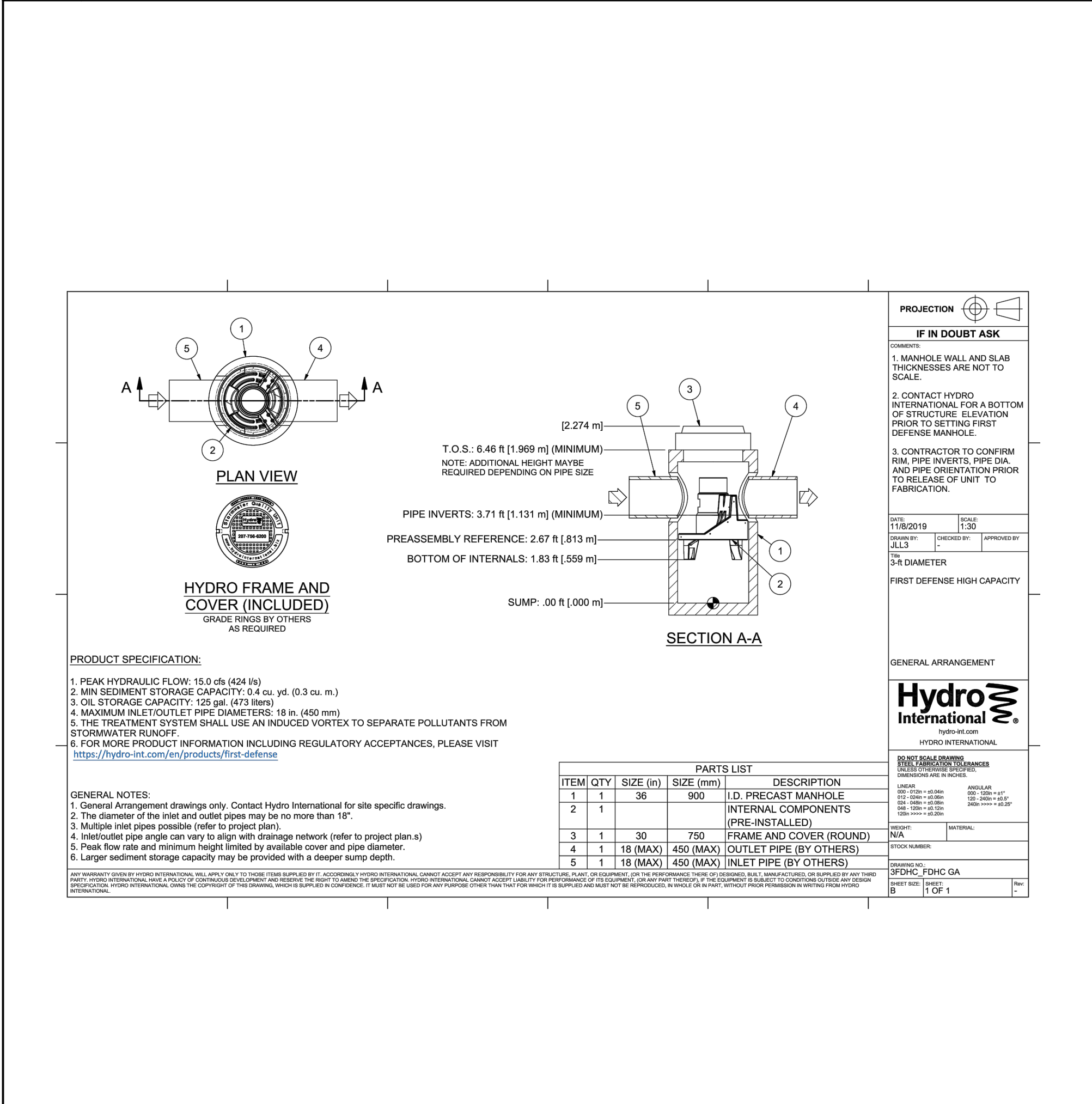
3 MONITORING PIT DETAIL
NOT TO SCALE (G020407-04/2019) (MOD. 10/2022)



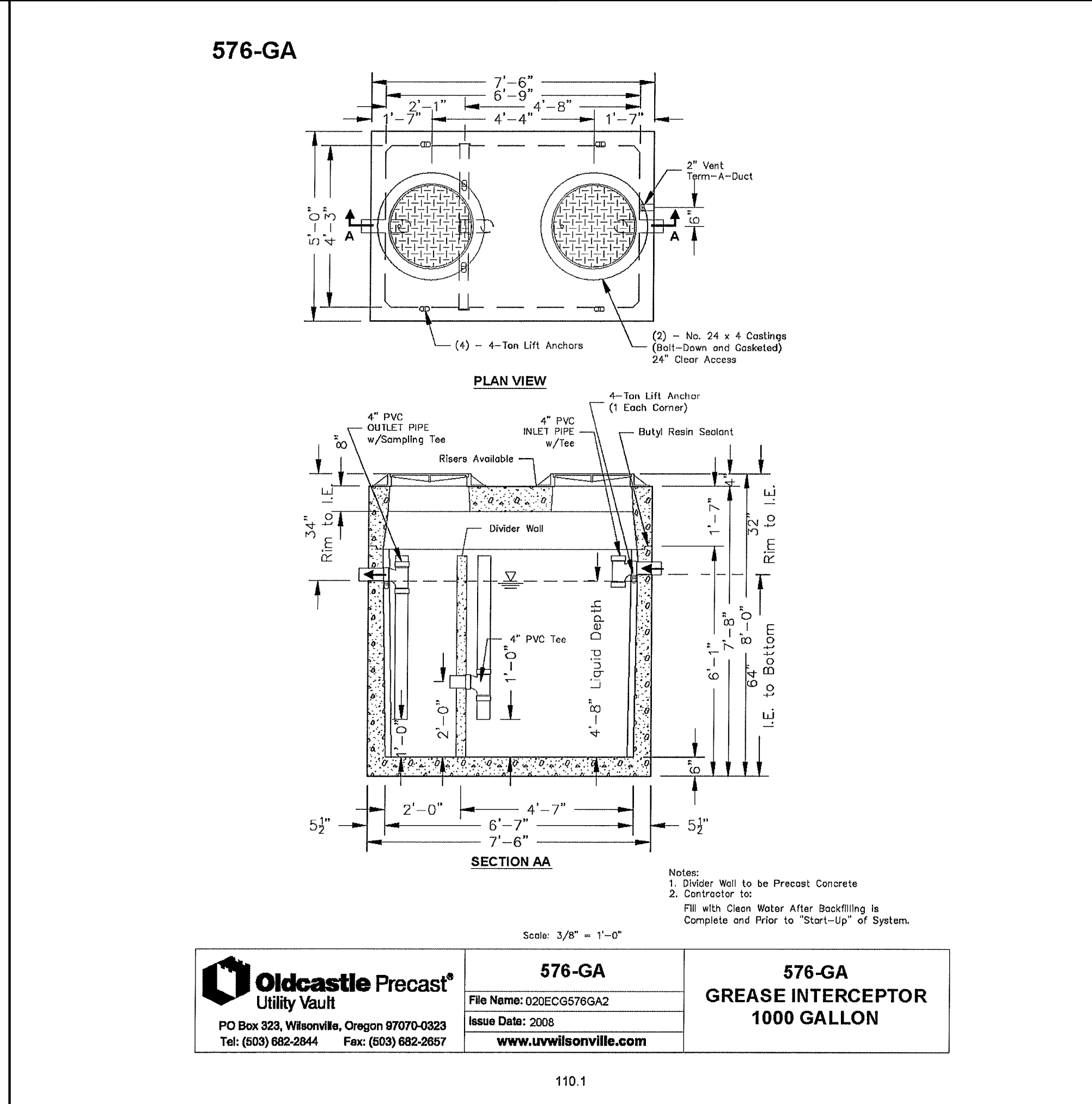
4 SNOOT DETAIL
NOT TO SCALE



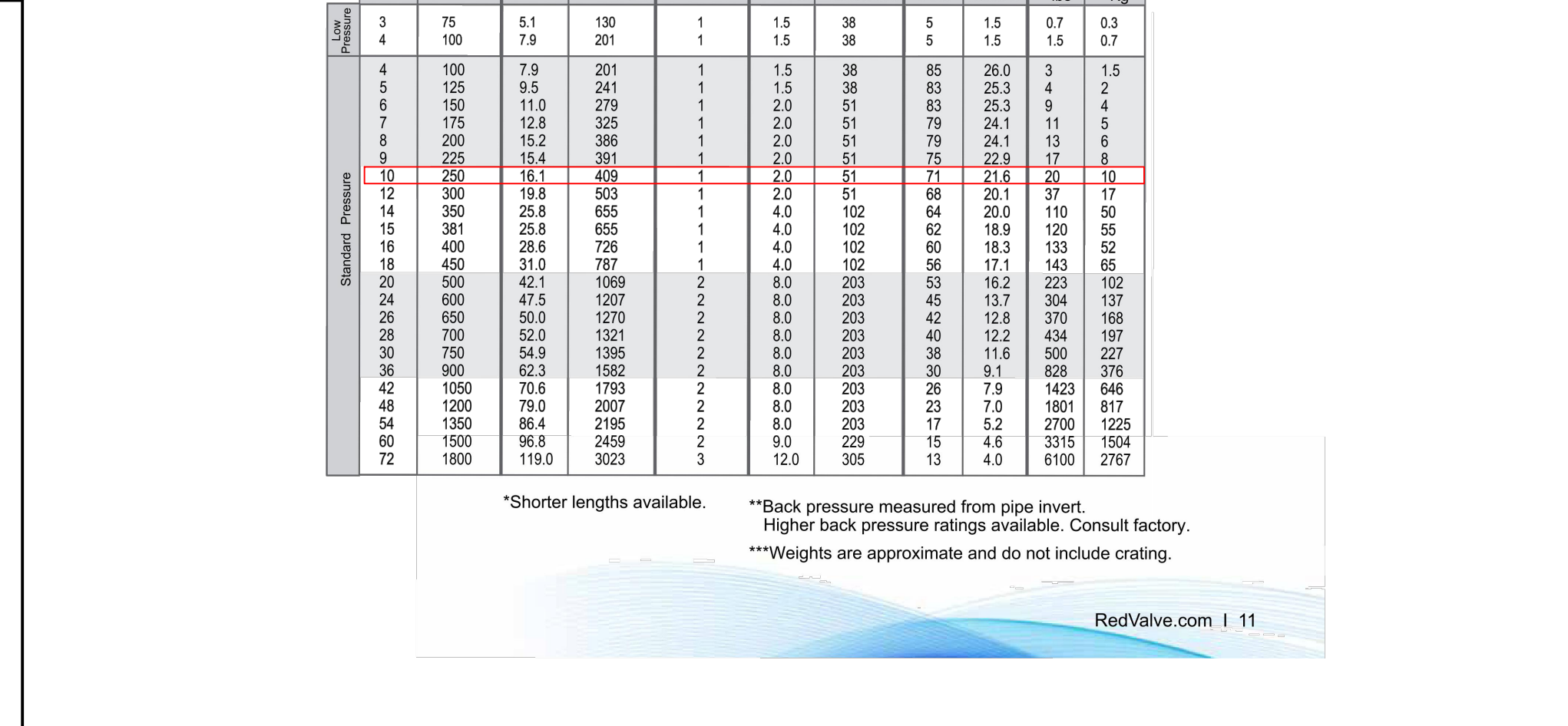
5 CHECKMATE STORMWATER VALVE DETAIL
NOT TO SCALE



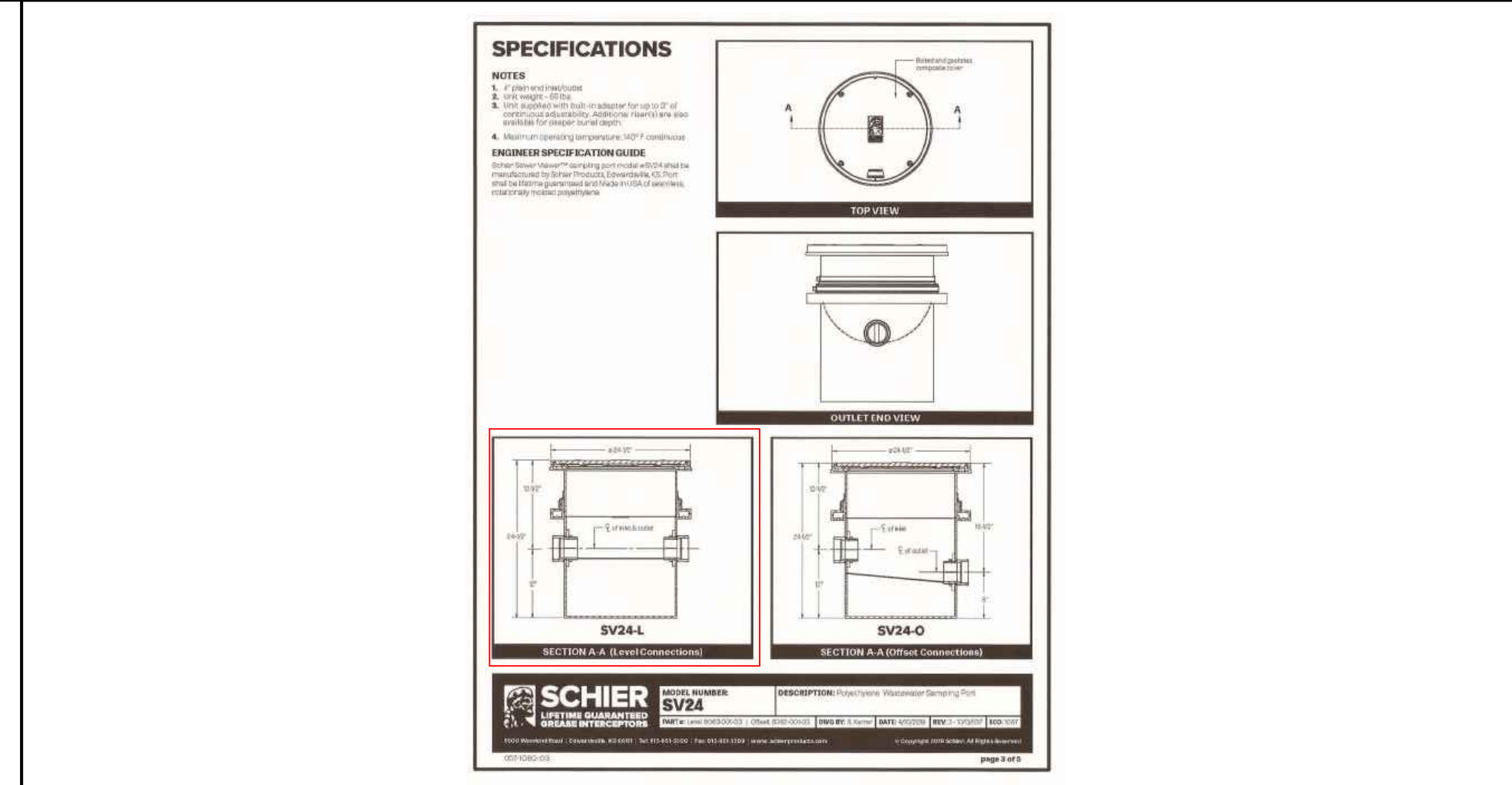
6 3' DIAMETER FIRST DEFENSE UNIT DETAIL
NOT TO SCALE. SOURCE: HYDRO INTERNATIONAL



7 GREASE TRAP DETAIL
NOT TO SCALE. SOURCE: OLDCASTLE PRECAST



8 MONITORING PIT DETAIL
NOT TO SCALE



9 ORIFICE PLATE DETAILS
NOT TO SCALE (G020506 - 10/2016)

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

REVISIONS

REV	DATE	COMMENT	CHECKED BY
1	03/09/2022	REV. PER DRCC COMMENTS	CPR
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PROJECT NO.: J190844
DRAWN BY: CPR
CHECKED BY: TXL
DATE: 11/04/2024
CAD ID: J190844-COVR-7A

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 HIGH TOWN ROAD AND 125 SOUTHFIELD ROAD
TOWNSHIP OF WEST WINDSOR
MERCER COUNTY, NEW JERSEY

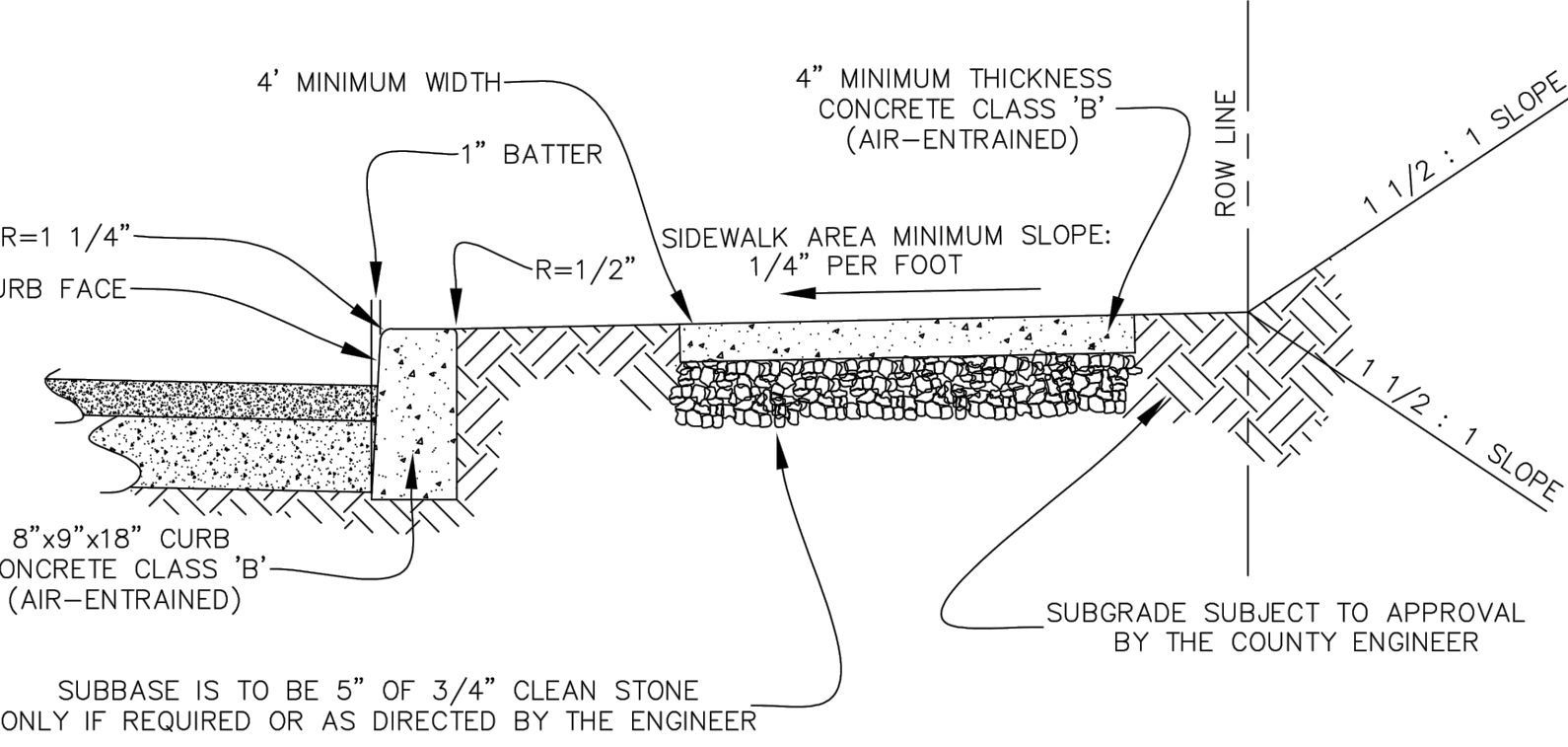
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DETAIL SHEET G
SHEET NUMBER:
C-907
REVISION 7 - 01/12/2024

G:\01\1184\CADD\DRAWINGS\PLAN SETS\CIVIL SITE PLANS\1184-COVR-7A.dwg - LAYOUT, C-907.DETL

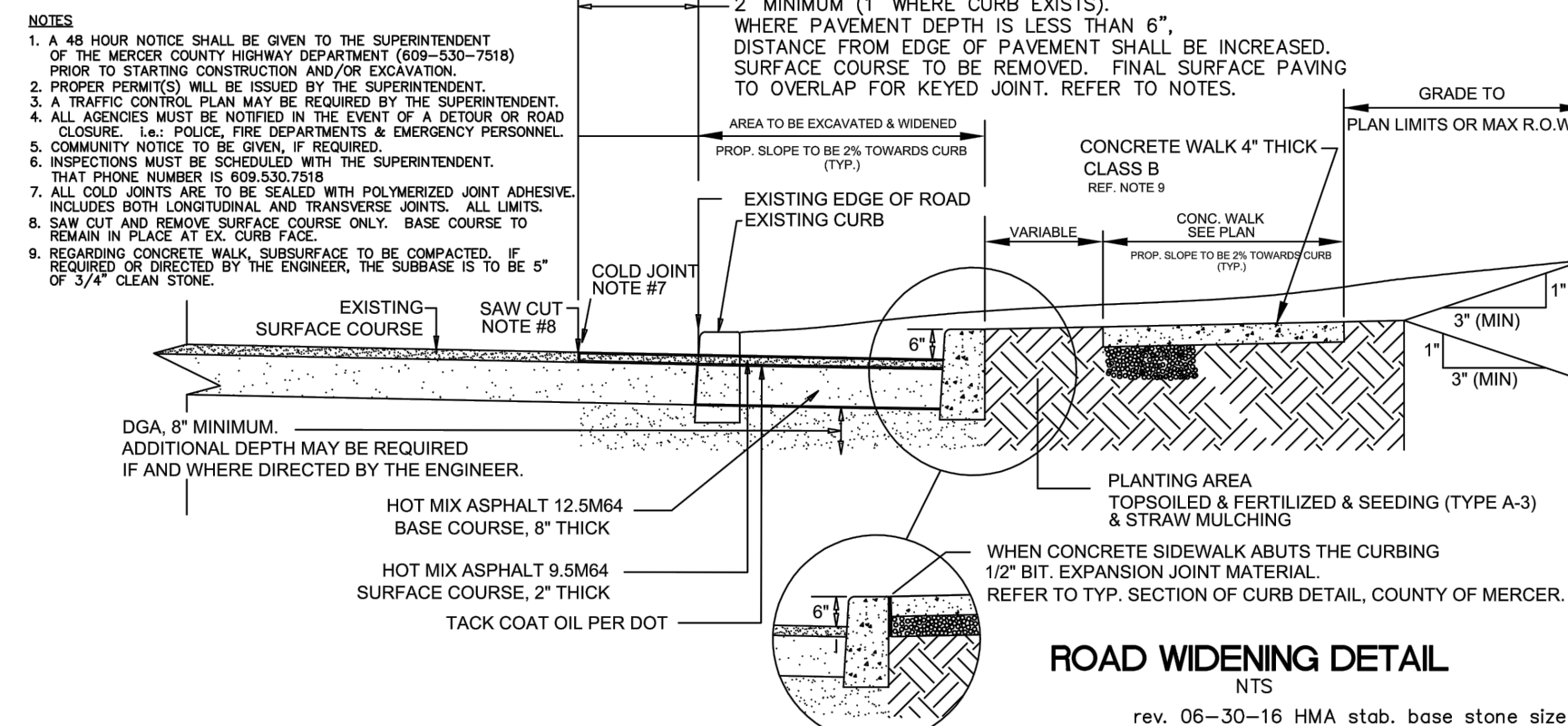
NOTE: 1/2" EXPANSION JOINTS OF CELLULAR COMPRESSION MATERIAL TO BE PLACED AT 20' INTERVALS AND 1/4" PREMOLDED EXPANSION JOINTS TO BE PLACED LONGITUDINALLY ADJACENT TO ALL ABUTTING CONCRETE STRUCTURES AS THE ENGINEER MAY DIRECT. CONSTRUCTION JOINTS TO BE PROVIDED EVERY 20' ALTERNATING WITH EXPANSION JOINTS.



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

TYPICAL SECTION OF CURB & SIDEWALK DETAIL
SCALE: NTS

2. DIMENSIONS DETAIL: 06/20/2016 11:27:14 AM, 11-4981



rev. 06-30-16 HMA stab. base stone size

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)

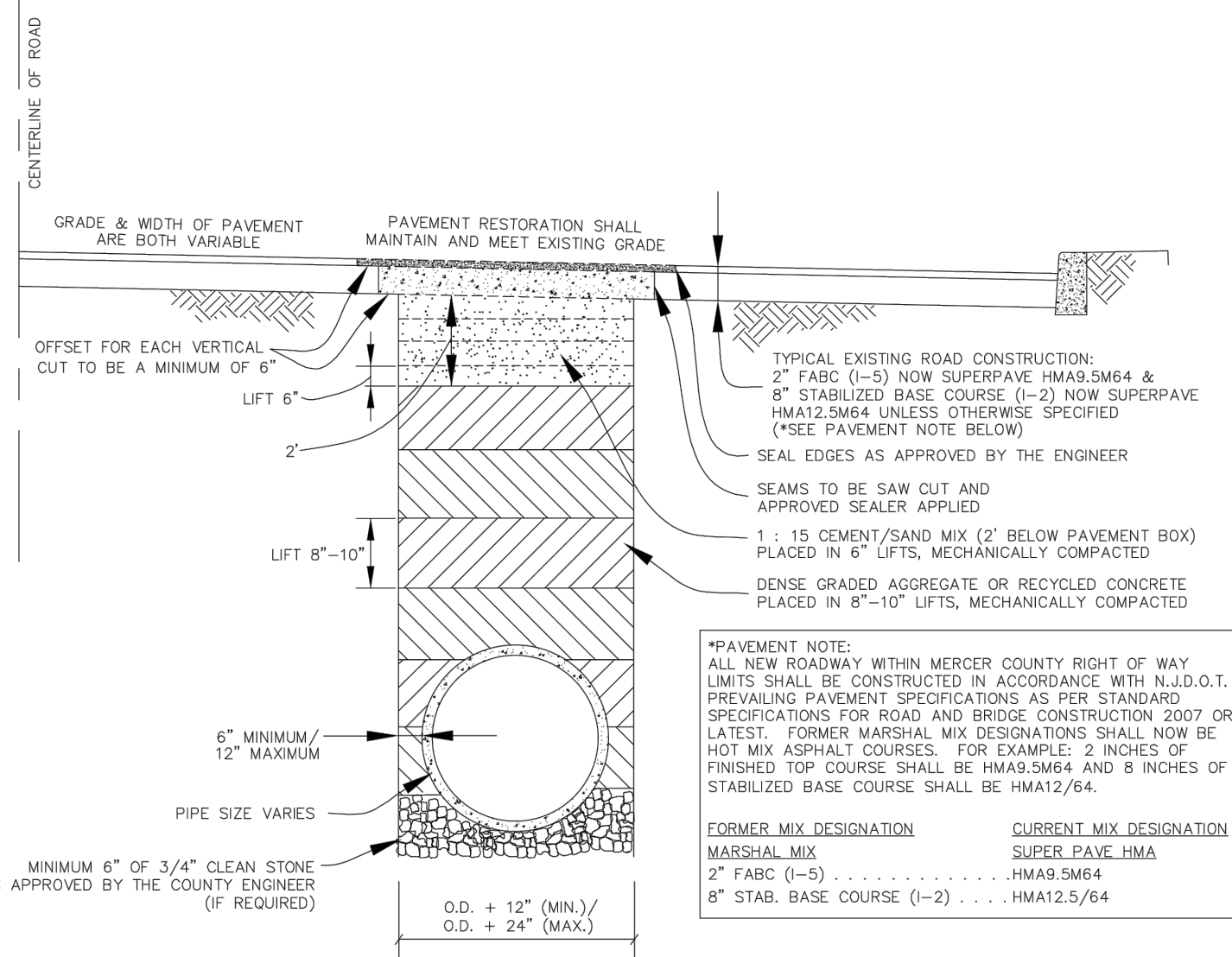
TYPICAL SECTION OF DEPRESSED CURB AT DRIVEWAYS AND CURB TRANSITION PIECE
SCALE: NTS

NOTE: 1/2" EXPANSION JOINTS OF CELLULAR COMPRESSION MATERIAL TO BE PLACED AS SHOWN. 1/4" PREMOLDED EXPANSION JOINTS TO BE PLACED LONGITUDINALLY ADJACENT TO ALL ABUTTING CONCRETE STRUCTURES AS THE ENGINEER MAY DIRECT.

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 CONSTRUCTION DETAILS

NOT TO SCALE



Mercer County Roadway - Utility Trench Detail
rev. 06-30-16 Final Spec

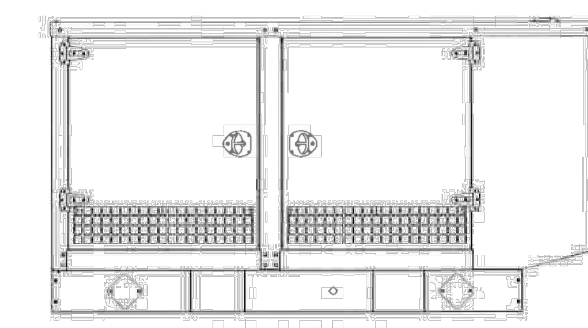
- TWO LANES OF TRAFFIC, ONE IN EACH DIRECTION, MUST BE MAINTAINED AT ALL TIMES.
- ALL TRAFFIC CONTROL PERSONS MUST BE IN UNIFORM OR WEAR A REFLECTIVE VEST AND USE A STOP/SLOW PADDLE SIGN.
- NO ROAD CAN BE CLOSED AT ANY TIME WITHOUT PRIOR APPROVAL FROM THE MERCER COUNTY ENGINEER OR THE COUNTY TRAFFIC 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 (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.

11/27/14 AM, 11-4981

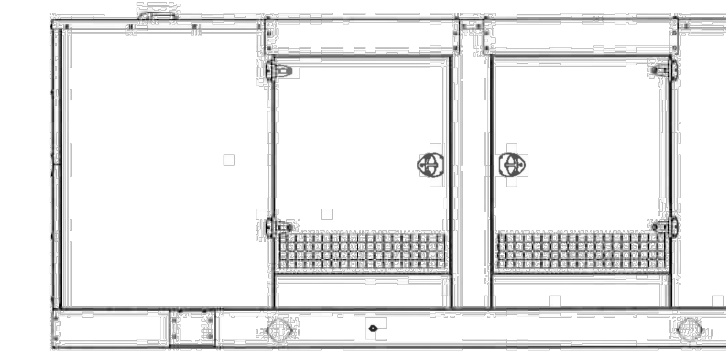
Industrial Generator Set Accessories

KOHLER Power Systems

Weather and Sound Enclosures



25-60 kW Enclosure



80-150 kW Enclosure

Applicable to the following:
25-100REZG
50-150REZGB
80/100REZGD and 80/100RZGD
125/150REZGC and 125/150RZGC

Weather Enclosure Standard Features

- Internal-mounted critical silencer and flexible exhaust connector.
- Skid-mounted, steel construction with hinged doors.
- Fade-, scratch-, and corrosion-resistant Kohler® Power Armor™ cream beige automotive-grade textured finish.
- Lockable, flush-mounted door latches.
- Vertical air inlet and outlet discharge to redirect air and reduce noise.
- High wind bracing, 241 kph (150 mph). Available on all models, except 80/100REZGB with steel enclosure and 80/100RZGB with steel enclosure.

Sound Enclosure Standard Features

- Includes all of the weather enclosure features with the addition of acoustic insulation material.
- Skid-mounted, steel or aluminum construction with hinged doors. Aluminum enclosures are recommended for high humidity and/or high salt/coastal regions.
- Acoustic insulation that meets UL 94 HF-1 flammability classification and repels moisture absorption.
- Sound attenuated enclosure that uses up to 51 mm (2 in.) of acoustic insulation, acoustic-lined air inlet hoods, and acoustic-lined air discharge hood.

Weather and Sound Enclosure Specifications

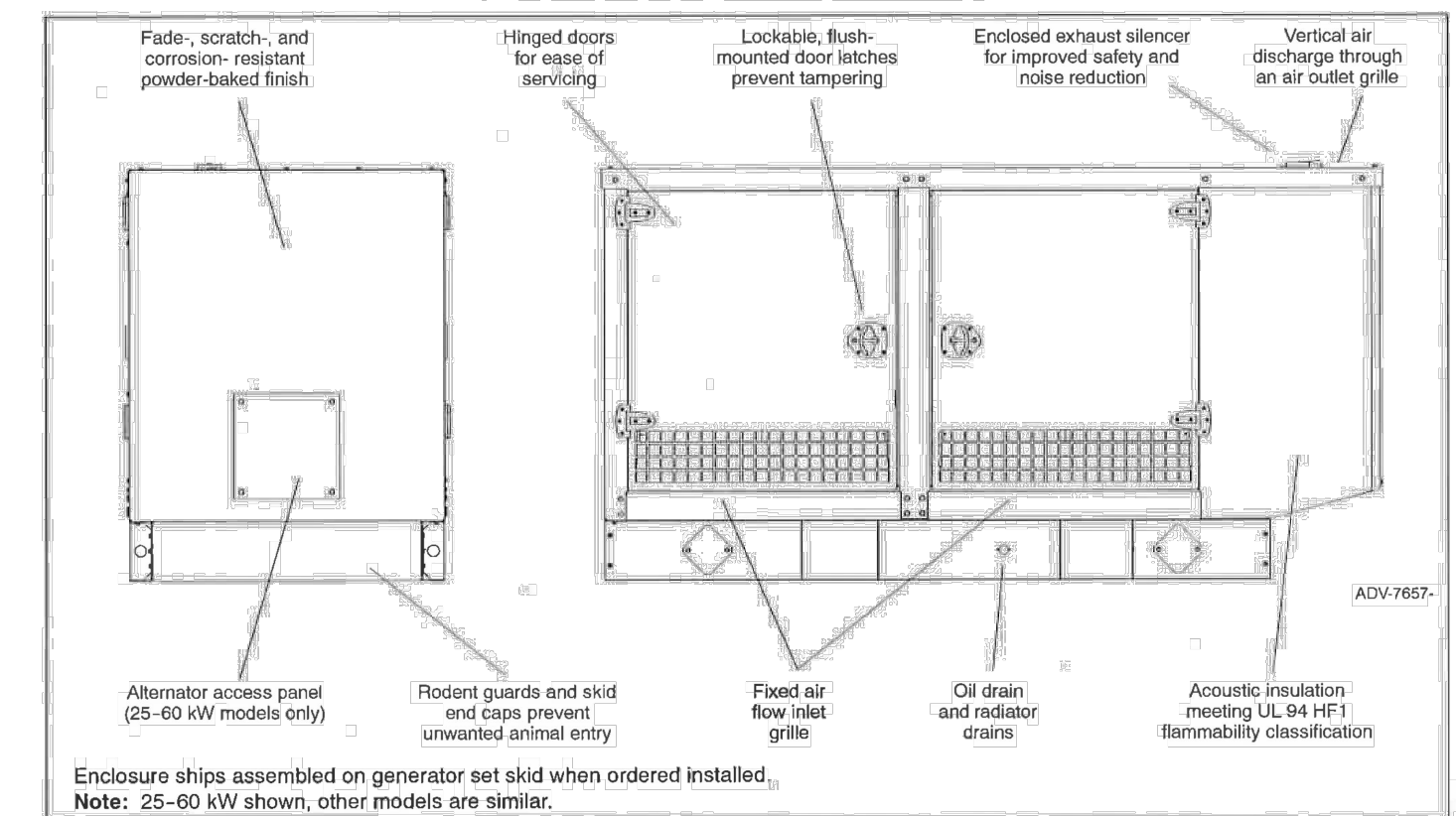
Model	Max. Dimensions, mm (in.)			Weight, kg (lb.)			Sound Enclosure, Sound Pressure at 7 m (23 ft), dB(A) at 90 Hz, Full Load
	Length	Width	Height	Steel Weather Enclosure	Steel Sound Enclosure	Aluminum Sound Enclosure	
25REZG				855 (1880)	890 (1959)	768 (1689)	68
30REZG				918 (2026)	924 (2037)	832 (1834)	68
40REZG				977 (2145)	982 (2100)	890 (1956)	68
46REZG	2585 (101.8)	1078 (42.4)	1513 (59.6)	1040 (2288)	1045 (2299)	953 (2096)	68
50REZGB				1122 (2475)	1127 (2489)	1035 (2283)	64
60REZGB				1122 (2475)	1127 (2489)	1035 (2283)	65
80REZGD/RZGD	3526 (138.8)	1153 (45.4)	1694 (66.7)	1454 (3205)	1465 (3228)	1403 (3092)	72
100REZG	3506 (138.0)	1156 (45.5)	1696 (66.8)	1715 (3781)	1725 (3803)	1539 (3393)	74
100REZGD/RZGD	3526 (138.8)	1153 (45.4)	1694 (66.7)	1557 (3434)	1568 (3457)	1506 (3321)	72
125REZGB	3526 (138.8)	1156 (45.5)	1696 (66.8)	1741 (3837)	1751 (3859)	1565 (3449)	72
125REZGB/RZGC	3526 (138.8)	1153 (45.4)	1724 (67.9)	1738 (3834)	1758 (3879)	1592 (3509)	71
150REZGB	3506 (138.0)	1156 (45.5)	1696 (66.8)	1856 (4091)	1866 (4113)	1680 (3703)	75
150REZGB/RZGC	3526 (138.8)	1153 (45.4)	1696 (66.8)	1877 (4138)	1887 (4163)	1730 (3813)	74

*Weight includes the generator set (wet), enclosure, and silencer. The generator set weight represents using the largest alternator option. Note: Refer to the respective ADV drawings for details. Refer to TB-114 for complete generator set sound data.

KOHLER CO., Kohler, Wisconsin 53044 USA
Phone 920-457-4441, Fax 920-459-1646
For the nearest sales and service outlet in the US and Canada, phone 1-800-544-2444
KOHLEPower.com

Kohler Power Systems
Asia Pacific Headquarters
7 Jorong Pagar Road
Singapore 619159
Phone (65) 6264-6422, Fax (65) 6264-6455

Weather and Sound Enclosure



Enclosure Features

- Available in steel (14 gauge) formed panel, solid construction. Preassembled package offering corrosion resistant, dent resilient structure mounting directly to skid.
- Power Armor™ automotive-grade finish resulting in advanced corrosion and abrasion protection as well as enhanced edge coverage and color retention.
- Internal critical exhaust silencer offering maximum component life and operator safety.
- NOTE: Installing an additional length of exhaust tail pipe may increase backpressure levels. Please refer to the generator set spec sheet for the maximum backpressure value.
- Interchangeable modular panel construction. Allows complete serviceability or replacement without compromising enclosure design.
- Cooling/exhaust air intake with a horizontal air inlet. Sized for maximum cooling airflow.
- Service access: Multi-personnel doors for easy access to generator set control and servicing of the oil fill and battery.
- Cooling air discharge. Weather protective design featuring a vertical air discharge outlet grille. Redirects cooling air up and above enclosures to reduce noise ambient.

Additional Sound Enclosure Features

- Available in steel (14 gauge) or aluminum 3.2 mm (0.125 in.) formed panel, solid construction.
- Attenuated design. Mechanically restrained acoustic insulation UL 94 HF1 listed for flame resistance.
- Cooling air discharge. The sound enclosures include acoustic insulation with urethane film.

Available Approvals and Listings

- UL 2200 Listing
- CSA Approval
- IBC Seismic Certification

NOTE: Some models may have limited third-party approvals, see your local distributor for details.

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Availability is subject to change without notice. Kohler Co. reserves the right to change the design or specifications without notice and without any obligation or liability whatsoever. Contact your local Kohler® generator set distributor for availability.

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GENERATOR SPECIFICATIONS DETAILS

NOT TO SCALE



REVISIONS

REV	DATE	COMMENT	DRAWN BY
1	03/09/2022	REV. PER DRCC COMMENTS	CPR
2	12/05/2022	REV. PER TOWNSHIP COMMENTS	TXL
3	02/21/2023	REV. PER TOWNSHIP COMMENTS	TXL
4	04/12/2023	REV. PER TOWNSHIP COMMENTS	TXL
5	09/18/2023	REV. PER COUNTY ROW IMPROVEMENTS	MAJ/TW
6	11/07/2023	REV. PER TOWNSHIP COMMENTS	MAI
7	01/12/2024	REV. PER TOWNSHIP COMMENTS	TXL

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PROJECT No.: J190844
DRAWN BY: CPR
DATE: 11/04/2024
CAD ID: J190844-COVR-7A

PROJECT:
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 SOUTHFIELD ROAD
TOWNSHIP OF WEST WINDSOR
MERCER COUNTY, NEW JERSEY

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DETAIL SHEET I

SHEET NUMBER:
C-909

REVISION 7 - 01/12/2024