

PROPERTY OWNERS WITHIN 200 FT.

PRELIMINARY & FINAL MAJOR SITE PLAN

Table of property owners within 200 feet of the project site, listing Block, Lot, Property Location, Owner Name, Owner Address, City State, and Zip Code.

Ken Patera, Borough Assessor, 7/15/2020, Page 1 of 4

200' Property Owner List for Block 8, Lot 12, Block 21, Lots 1-14, 20-26, Block 30, Lots 1-7, 10-13, Borough of Hightstown.

Table of property owners within 200 feet of the project site (continued), listing Block, Lot, Property Location, Owner Name, Owner Address, City State, and Zip Code.

Ken Patera, Borough Assessor, 7/15/2020, Page 2 of 4

200' Property Owner List for Block 8, Lot 12, Block 21, Lots 1-14, 20-26, Block 30, Lots 1-7, 10-13, Borough of Hightstown.

Table of property owners within 200 feet of the project site (continued), listing Block, Lot, Property Location, Owner Name, Owner Address, City State, and Zip Code.

Ken Patera, Borough Assessor, 7/15/2020, Page 3 of 4

County Boards: Mercer County Planning Board, Mayor County Planning Building, P.O. Box 8800, Trenton, New Jersey 08660.

Public Utilities: State of New Jersey Department of Transportation, 255 West Chester Avenue, Trenton, New Jersey 08660.

Corporate Secretary: Jersey Central Power & Light Corporation, Public Service Electric & Gas Company, 2800 Fortunate Place, Reading, Pennsylvania 19640.

Technical Manager: Comcast Cable, 1800 East Windsor, East Windsor, New Jersey 08520.

Corporate Secretary: Verizon, 540 Broad Street, Newark, New Jersey 07101.

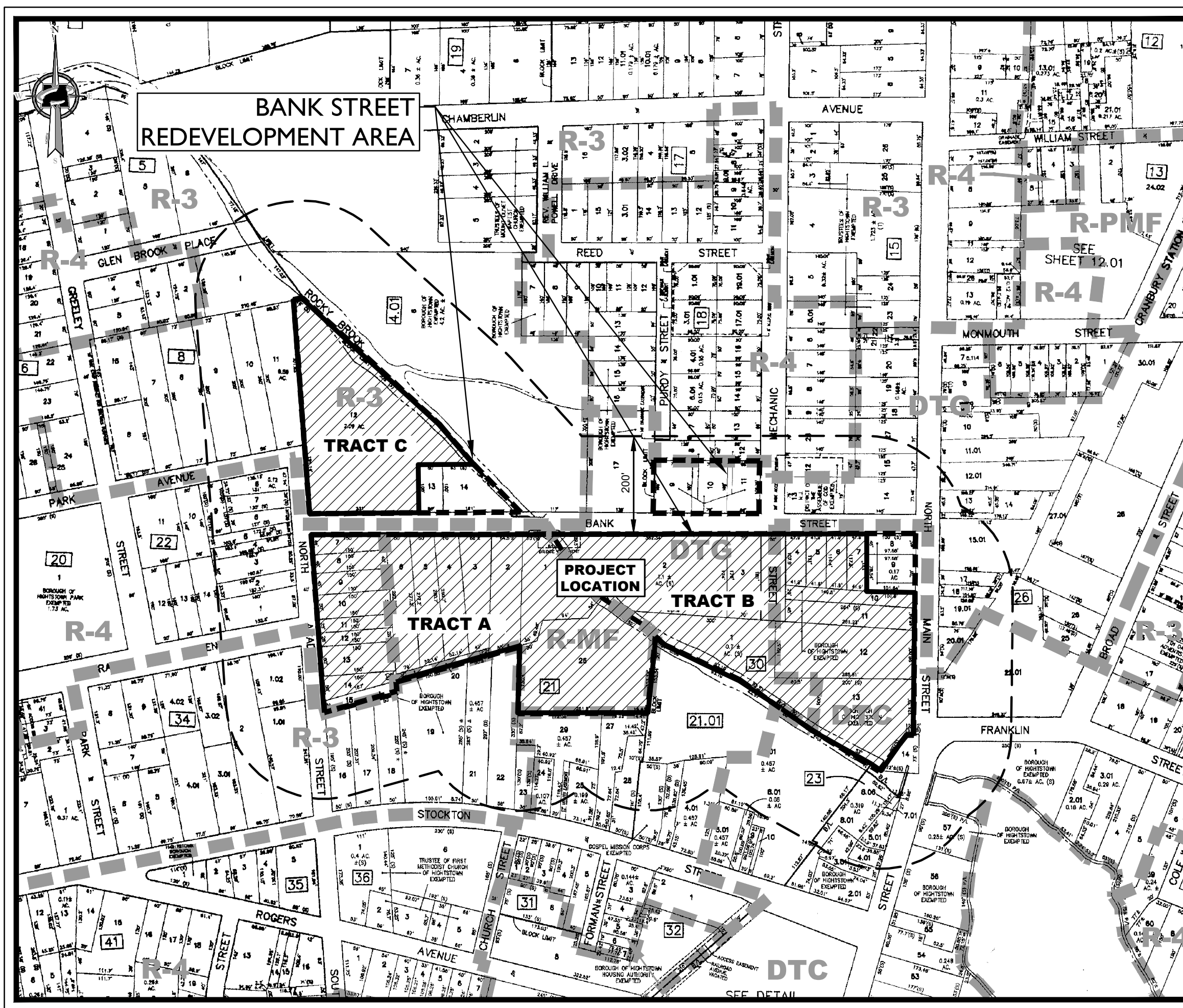
INDEX OF SHEETS

Table listing sheet numbers (SHT. No.) and descriptions (DESCRIPTION) for various project components like COVER SHEET, GRADING PLAN, UTILITY PLAN, etc.

1 of 30

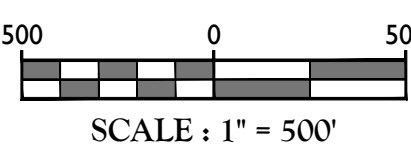
Vertical text on the left margin: 2025 RELEASE UNDER E.O. 14176

FOR PRC HIGHTSTOWN BLOCK 8, LOT 12, BLOCK 21, LOTS 1-14, 20 & 26, BLOCK 30, LOTS 1-7 & 10-13 BOROUGH OF HIGHTSTOWN MERCER COUNTY, NEW JERSEY



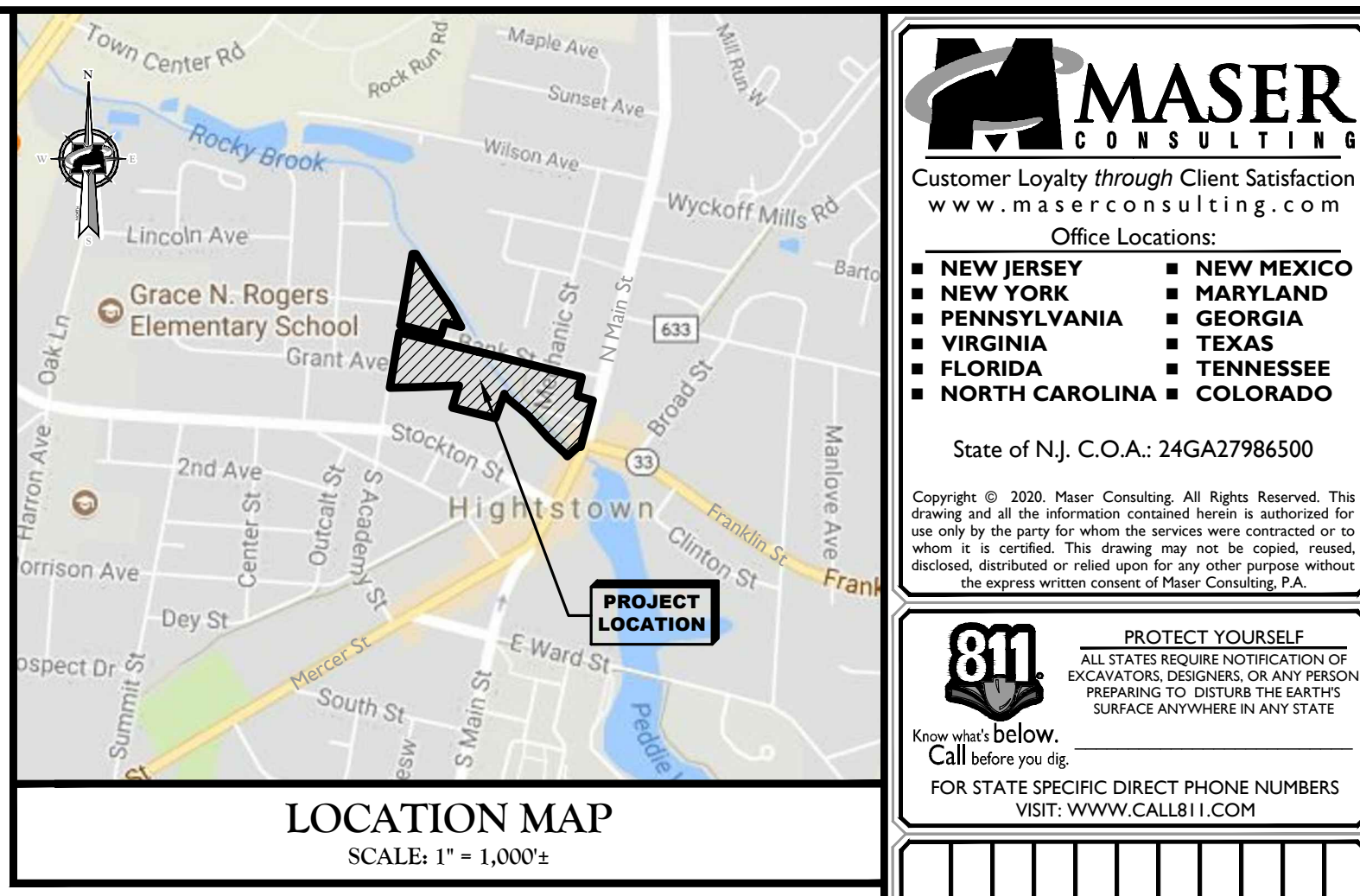
KEY & ZONING MAP

- LEGEND (UNDERLYING ZONING)
R-3 RESIDENTIAL - SINGLE FAMILY
R-4 RESIDENTIAL - SINGLE FAMILY
R-MF RESIDENTIAL - MULTI FAMILY
R-PMF RESIDENTIAL - PLANNED MULTI FAMILY
DTC DOWNTOWN CORE
DTC DOWNTOWN GATEWAY



GENERAL INFORMATION

- 1. THE SUBJECT PROPERTY IS KNOWN AS BLOCK 8, LOT 12, BLOCK 21, LOTS 1-14, 20 & 26, AND BLOCK 30, LOTS 1-7 & 10-13 AS SHOWN ON SHEETS 2 AND 9 OF THE ORIGINAL TAX MAP OF THE BOROUGH OF HIGHTSTOWN, MERCER COUNTY, NEW JERSEY, DATED OCTOBER, 1985 AND REVISED THROUGH DECEMBER, 2019 AND CONTAINS A TOTAL TRACT AREA OF 10.69 ACRES...
2. THE PROPERTY IS LOCATED IN THE BANK STREET SUB-AREA REDEVELOPMENT DISTRICT...
3. THE SUBJECT PROPERTY CONTAINS VACANT INDUSTRIAL, MUNICIPAL, AND RESIDENTIAL USES...
4. CONTRACTOR IS RESPONSIBLE TO DETERMINE WHEN SPECIAL OR OVERSIZED DRAINAGE STRUCTURES ARE REQUIRED...
5. WATER SERVICE TO BE PROVIDED FROM THE EXISTING WATER MAINS LINE ALONG THE PROJECT FRONTAGE...
6. SANITARY SEWER SERVICE SHALL BE PROVIDED BY GRAVITY CONNECTION TO EXISTING SEWER MAINS ALONG THE PROJECT FRONTAGE...
7. ALL WATER MAINS SHOULD BE SEPARATED FROM SANITARY SEWER AND INDUSTRIAL DISCHARGE LINES...
8. AT THE CROSSINGS OF SEWER LINES AND WATER MAINS, THE TOP OF THE SEWER LINES SHALL BE AT LEAST 18 INCHES BELOW THE BOTTOM OF THE WATER MAIN...
9. GAS, ELECTRIC, LIGHTING, CABLE TELEVISION, AND ELECTRICAL SERVICE LINES, IF REQUIRED SHALL BE PREPARED BY THE RESPECTIVE UTILITY COMPANIES...
10. TELEPHONE, ELECTRIC, AND GAS LINES WILL BE INSTALLED UNDERGROUND...
11. THIS IS A SITE DEVELOPMENT PLAN AND UNLESS SPECIFICALLY NOTED ELSEWHERE HEREON, IT IS NOT A SURVEY.
12. DO NOT SCALE DRAWINGS AS THEY PERTAIN TO ADJACENT AND SURROUNDING PHYSICAL CONDITIONS, BUILDINGS, STRUCTURES, ETC. THEY ARE SCHEMATIC ONLY, EXCEPT WHERE DIMENSIONS ARE SHOWN THERETO.
13. THIS SET OF PLANS HAS BEEN PREPARED FOR THE PURPOSES OF MUNICIPAL AND AGENCY REVIEW AND APPROVAL. THIS SET OF PLANS SHALL NOT BE UTILIZED AS CONSTRUCTION DOCUMENTS UNTIL ALL APPROVALS REQUIRED HAVE BEEN OBTAINED...
14. THE CONTRACTOR IS RESPONSIBLE FOR PROJECT SAFETY, INCLUDING PROVISION OF ALL APPROPRIATE SAFETY DEVICES AND TRAINING REQUIRED.
15. PRIOR TO ANY EXCAVATION, THE CONTRACTOR SHALL CALL 811 TO REQUEST A UTILITY MARKOUT.
16. BUILDING FOOTPRINT DIMENSIONS SHOWN HEREON ARE APPROXIMATE. FINAL BUILDING FOOTPRINT DIMENSIONS FOR EACH BUILDING SHALL BE FURNISHED ON THE INDIVIDUAL ARCHITECTURAL PLANS AT THE TIME OF APPLICATION FOR A BUILDING PERMIT. ALL STRUCTURES SHALL CONFORM TO THE APPROVED BULK ZONING REQUIREMENTS.
17. CURBS SHALL BE DEPRESSED FLUSH WITH PAVEMENT, AND HANDICAP ACCESSIBLE RAMPS INSTALLED WHERE SLOPES AND CROSSWAYS INTERSECT SAID DETECTABLE WALKWAYS SHALL BE INCLUDED ON HANDICAP ACCESSIBLE RAMPS.
18. TRAFFIC SIGNAGE AND STRIPING SHALL CORRESPOND TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
19. REFUSE AND RECYCLABLES SHALL BE STORED WITHIN BUILDING OR WITHIN OUTSIDE SCREENED TRASH ENCLOSURES AS NOTED ON THE PLANS, AND PICKED UP BY PRIVATE WASTE DISPOSAL HAULER.
20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER DISPOSAL OF ALL WASTE MATERIALS IN ACCORDANCE WITH GOVERNING REGULATIONS AND AGENCIES.
21. THERE SHALL BE NO ON-SITE BURIAL OF CONSTRUCTION MATERIALS, TREE BRANCHES, STUMPS, OR OTHER DELETERIOUS MATERIALS.
22. MATERIALS, WORKMANSHIP, AND CONSTRUCTION FOR THE SITE IMPROVEMENTS SHOWN HEREON SHALL BE IN ACCORDANCE WITH:
A. RESIDENTIAL SITE IMPROVEMENT STANDARDS (N.J.A.C. 26:23)
B. NEW JERSEY DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2019, AS SUPPLEMENTED.
C. CURRENT PREVAILING MUNICIPAL, COUNTY, AND/OR STATE AGENCY SPECIFICATIONS, STANDARDS, CONDITIONS, AND REQUIREMENTS.
D. CURRENT PREVAILING UTILITY COMPANY/ AUTHORITY SPECIFICATIONS, STANDARDS, AND REQUIREMENTS.
E. CURRENT MANUFACTURER SPECIFICATIONS, STANDARDS, AND REQUIREMENTS.
UTILITY NOTES:
1. EXISTING UTILITY INFORMATION SHOWN HEREON HAS BEEN COLLECTED FROM VARIOUS SOURCES AND IS NOT GUARANTEED AS TO ACCURACY OR COMPLETENESS. THE CONTRACTOR SHALL VERIFY ALL INFORMATION TO HIS SATISFACTION PRIOR TO EXCAVATION...
2. UTILITY RELOCATIONS SHOWN HEREON, IF ANY, ARE FOR INFORMATIONAL PURPOSES ONLY AND MAY NOT REPRESENT ALL REQUIRED UTILITY RELOCATIONS. THE CONTRACTOR IS RESPONSIBLE FOR PERFORMING AND/OR COORDINATING ALL REQUIRED UTILITY RELOCATIONS IN COOPERATION WITH THE RESPECTIVE UTILITY COMPANY/ AUTHORITY.
3. STORM SEWERS SHALL BE CLASS III (OR HIGHER, IF NOTED) REINFORCED CONCRETE PIPE (RCP) WITH 10" RING GASKETS OR INTERNALLY PRELUBRICATED CONCRETE (ITLCO) SUPERIOR OR EQUIVALENT, ADS N-12 HIGH DENSITY POLYETHYLENE PIPE (HDPE), AS NOTED ON THE PLAN, OR APPROVED EQUAL. PROPER PIPE COVERAGE SHALL BE MAINTAINED DURING ALL PHASES OF CONSTRUCTION. PIPE LENGTHS SHOWN HEREON ARE FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE.



MASER CONSULTING logo and contact information, including a list of regional offices and a map of the office locations.

811 PROTECT YOURSELF logo and information about utility marking services.

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Table with columns: REV, DATE, DRAWN BY, DESCRIPTION. It contains several entries for revision and drawing updates.

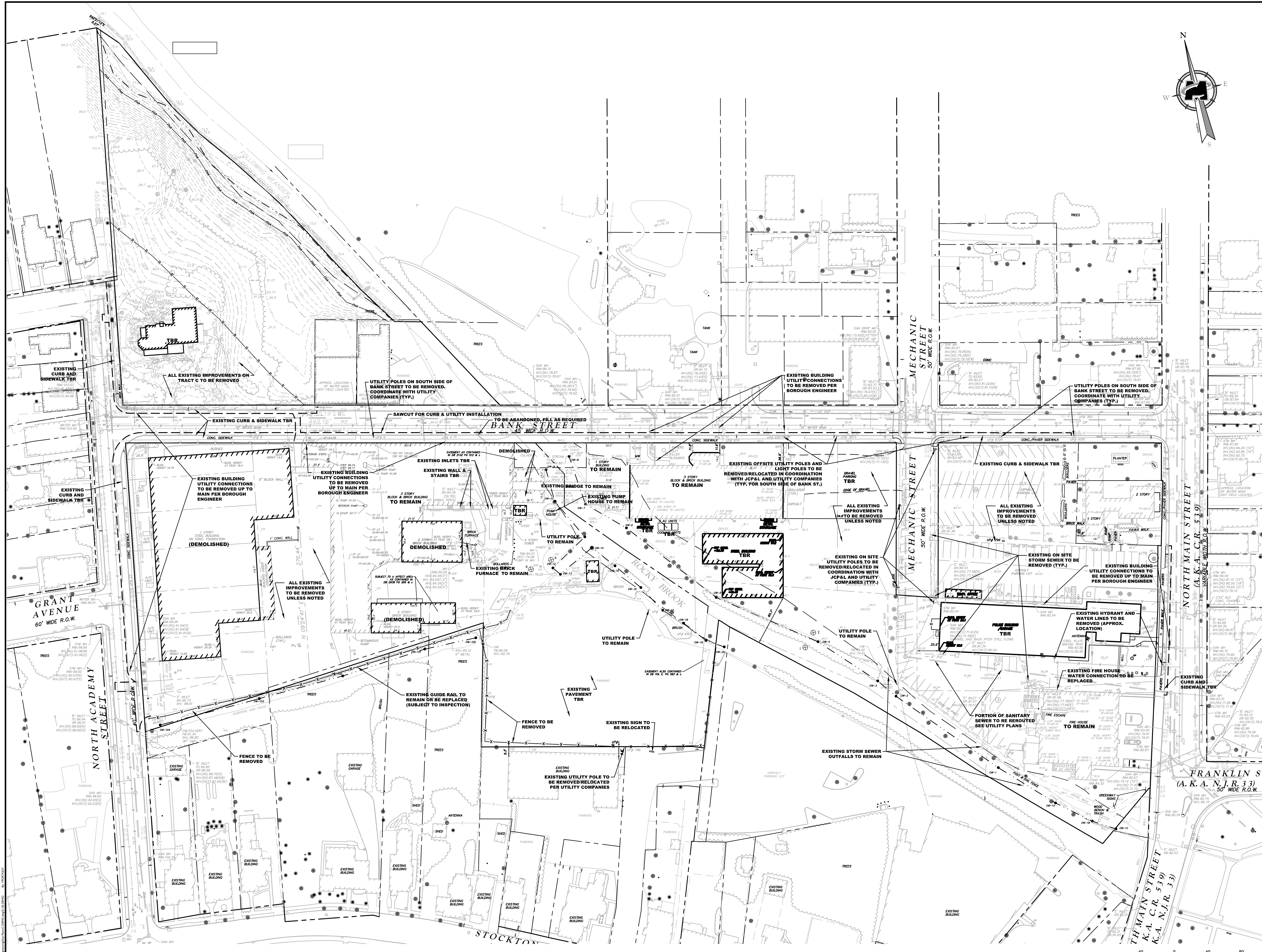
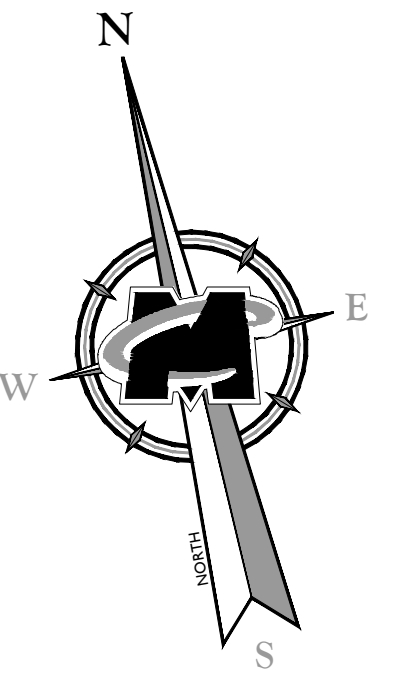
ADA INSTRUCTIONS TO CONTRACTOR: 1. CONTRACTOR SHALL EXERCISE APPROPRIATE CARE AND PRECISION IN CONSTRUCTION OF ADA (HANDICAPPED) ACCESSIBLE COMPONENTS FOR THE SITE...

Signature of Yosef Portnoy and his professional information: YOSEF PORTNOY, JERSEY PROFESSIONAL ENGINEER, LICENSE NUMBER: GES1383.

PRELIMINARY & FINAL MAJOR SITE PLAN FOR PRC HIGHTSTOWN. BLOCK 8, LOT 12, BLOCK 21, LOTS 1-14, 20 & 26, BLOCK 30, LOTS 1-7 & 10-13. BOROUGH OF HIGHTSTOWN, MERCER COUNTY, NEW JERSEY.

RED BANK OFFICE information: Corporate Headquarters, 331 Newman Springs Road, Suite 203, Red Bank, NJ 07071. Phone: 732.383.1950, Fax: 732.383.1984.

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.



REV	DATE	DRAWN BY	DESCRIPTION

REV	DATE	DRAWN BY	DESCRIPTION

Y.P.
YOSEF PORTNOY
 NEW JERSEY PROFESSIONAL
 ENGINEER - LICENSE NUMBER: GE53583

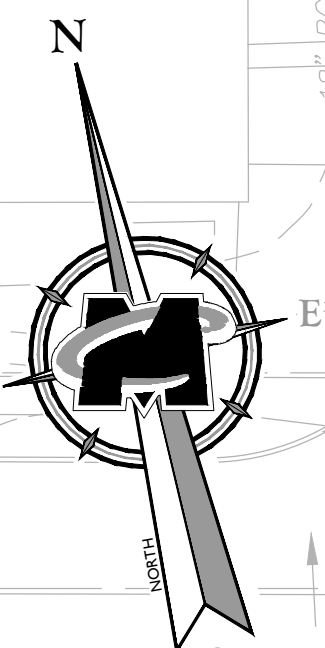
**PRELIMINARY & FINAL
 MAJOR SITE PLAN**
 FOR
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 BLOCK 8, LOT 12,
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 LOTS 1-14, 20 & 26,
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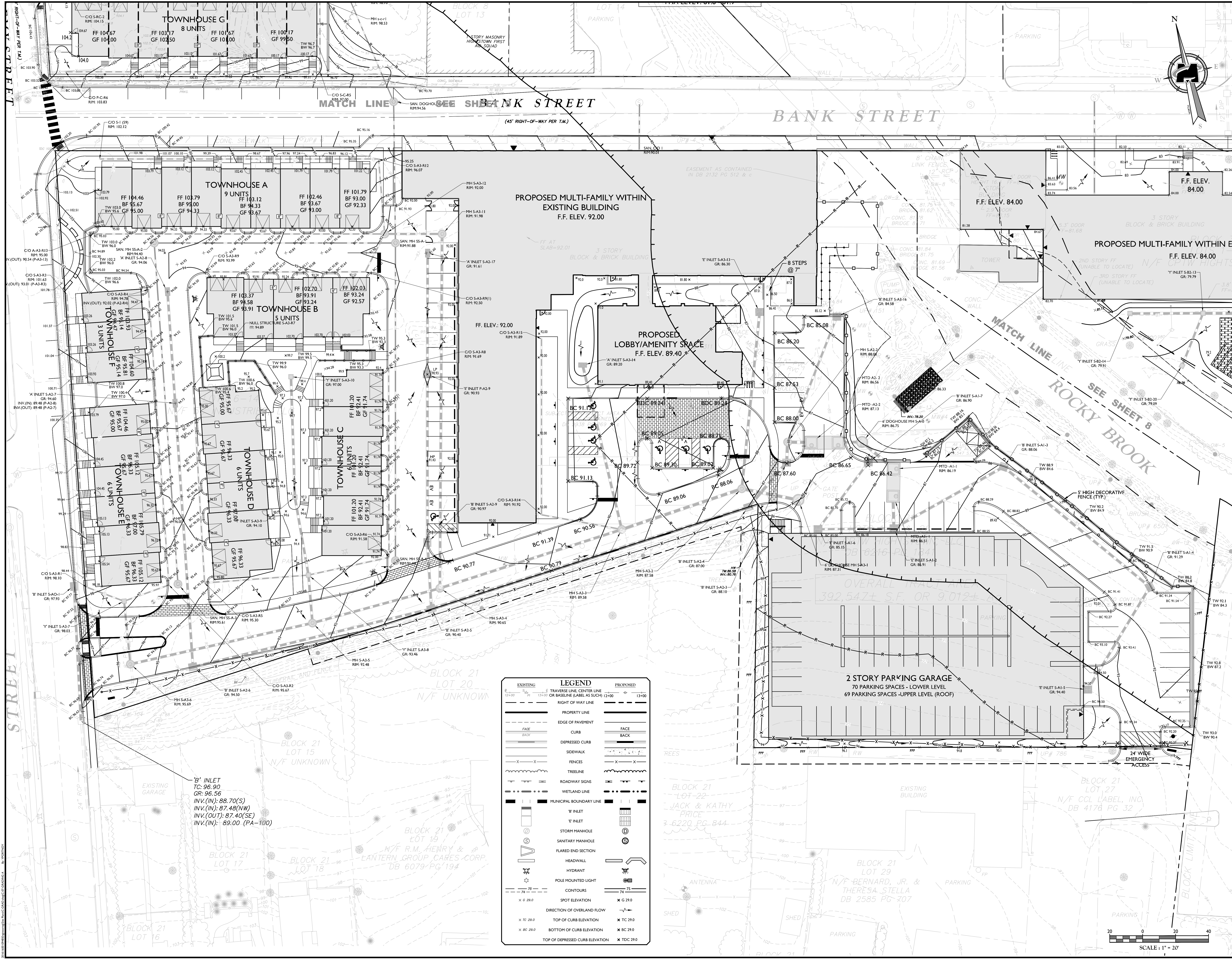
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AS SHOWN	8/14/20	RT	YP

SITE DEMOLITION PLAN

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.



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EXISTING		PROPOSED	
[Symbol]	TRAVERSE LINE CENTER LINE	[Symbol]	TRAVERSE LINE CENTER LINE
[Symbol]	RIGHT OF WAY LINE	[Symbol]	RIGHT OF WAY LINE
[Symbol]	PROPERTY LINE	[Symbol]	PROPERTY LINE
[Symbol]	EDGE OF PAVEMENT	[Symbol]	EDGE OF PAVEMENT
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[Symbol]	CONTOURS	[Symbol]	CONTOURS
[Symbol]	SPOT ELEVATION	[Symbol]	SPOT ELEVATION
[Symbol]	DIRECTION OF OVERLAND FLOW	[Symbol]	DIRECTION OF OVERLAND FLOW
[Symbol]	TOP OF CURB ELEVATION	[Symbol]	TOP OF CURB ELEVATION
[Symbol]	BOTTOM OF CURB ELEVATION	[Symbol]	BOTTOM OF CURB ELEVATION
[Symbol]	TOP OF DEPRESSED CURB ELEVATION	[Symbol]	TOP OF DEPRESSED CURB ELEVATION

REV	DATE	DRAWN BY	DESCRIPTION

Yosef Portnoy
YOSEF PORTNOY
 NEW JERSEY PROFESSIONAL ENGINEER
 LICENSE NUMBER: GE53583

**PRELIMINARY & FINAL
 MAJOR SITE PLAN**
 FOR
PRC HIGHTSTOWN
 BLOCK 8, LOT 12,
 BLOCK 21
 LOTS 1-14, 20 & 26,
 BLOCK 30, LOTS 1-7 & 10-13
 BOROUGH OF HIGHTSTOWN
 MERCER COUNTY
 NEW JERSEY

RED BANK OFFICE
 Corporate Headquarters
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SCALE:	DATE:	DRAWN BY:	CHECKED BY:
AS SHOWN	8/14/20	RT	YP
PROJECT NUMBER:	DRAWING NAME:		
160010948	C-GRAD		

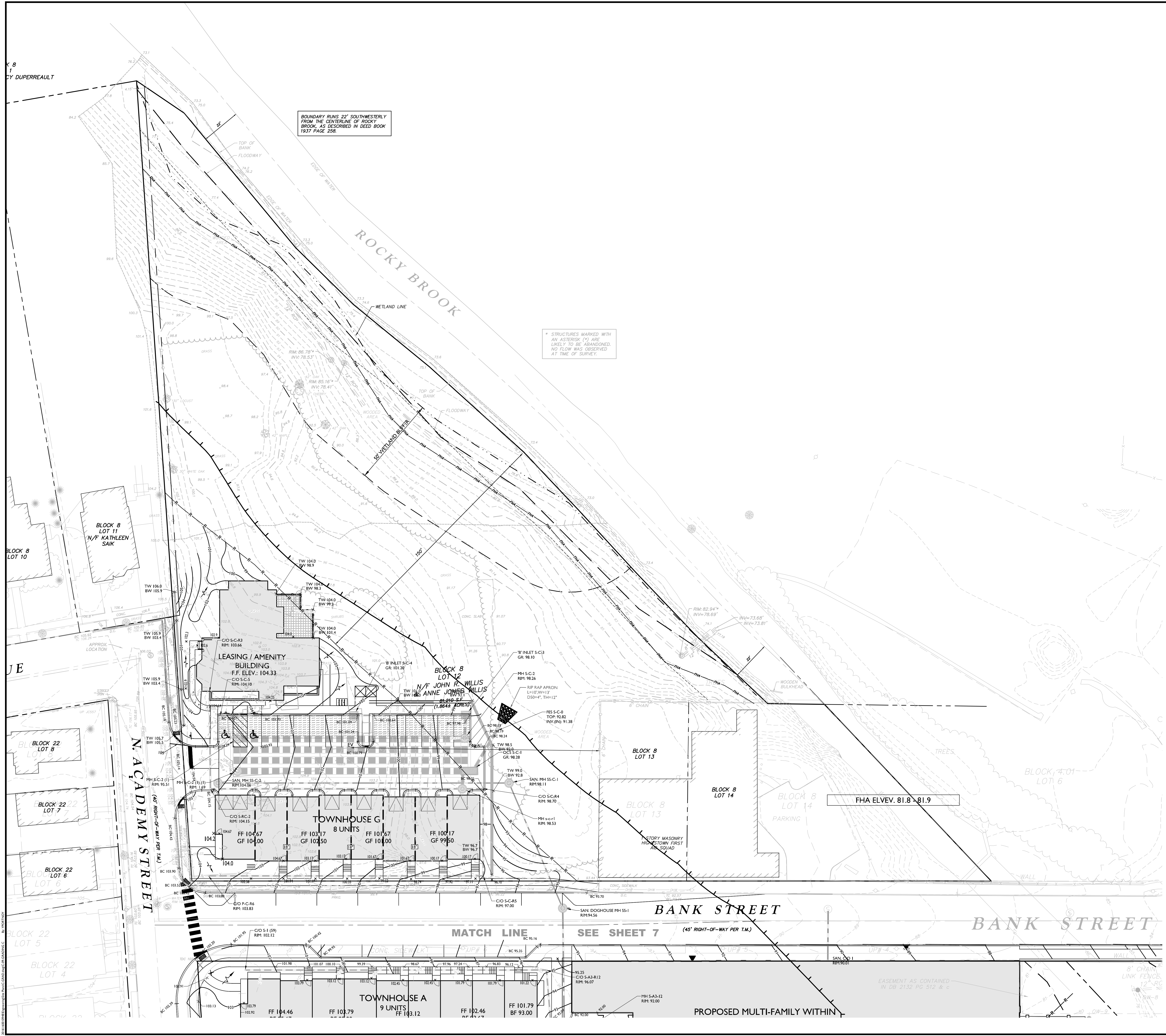
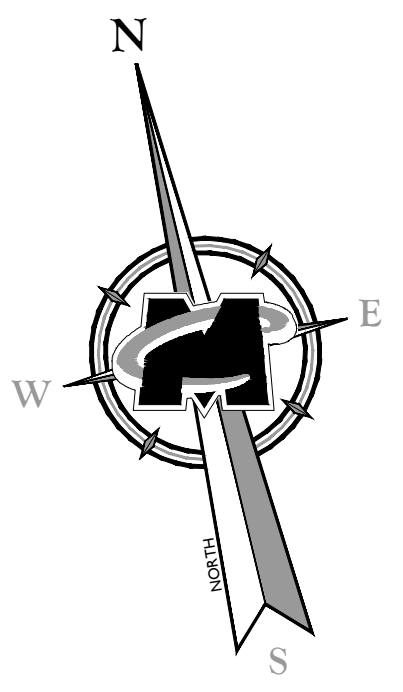
GRADING PLAN
 7 of 30

SCALE: 1" = 20'

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

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BOUNDARY RUNS 22" SOUTHWESTERLY FROM THE CENTERLINE OF ROCKY BROOK, AS DESCRIBED IN DEED BOOK 1937 PAGE 258.

* STRUCTURES MARKED WITH AN ASTERISK (*) ARE LIKELY TO BE ABANDONED. NO FLOW WAS OBSERVED AT TIME OF SURVEY.

FHA ELVEV. 81.8 - 81.9

EXISTING	LEGEND	PROPOSED
---	TRaverse LINE CENTER LINE	---
---	RIGHT OF WAY LINE	---
---	PROPERTY LINE	---
---	EDGE OF PAVEMENT	---
---	CURB	---
---	DEPRESSED CURB	---
---	SIDEWALK	---
---	FENCES	---
---	TREELINE	---
---	ROADWAY SIGNS	---
---	MUNICIPAL BOUNDARY LINE	---
---	WETLAND LINE	---
---	8" INLET	---
---	12" INLET	---
---	STORM MANHOLE	---
---	SANITARY MANHOLE	---
---	FLARED END SECTION	---
---	HEADWALL	---
---	HYDRANT	---
---	POLE MOUNTED LIGHT	---
---	CONTOURS	---
---	SPOT ELEVATION	---
---	DIRECTION OF OVERLAND FLOW	---
---	TOP OF CURB ELEVATION	---
---	BOTTOM OF CURB ELEVATION	---
---	TOP OF DEPRESSED CURB ELEVATION	---

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YOSEF PORTNOY
 NEW JERSEY PROFESSIONAL ENGINEER
 LICENSE NUMBER: GE53583

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160010948	GRADING PLAN		

GRADING PLAN
 SHEET NUMBER
 9 of 30



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MERCER COUNTY SOIL CONSERVATION DISTRICT NOTES

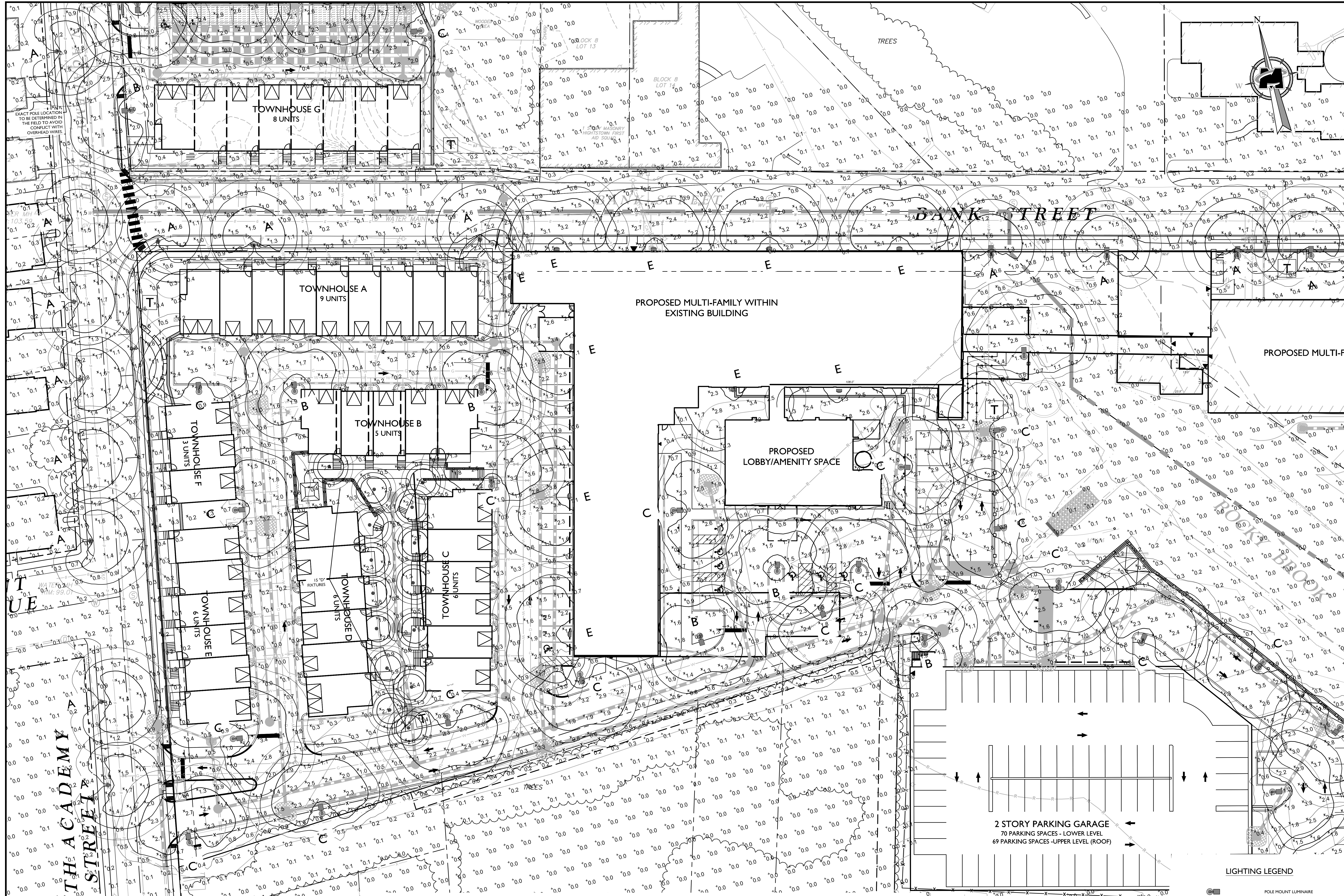
MCN-SOL-NOTE-101 05/01/17

- THE MERCER COUNTY SOIL CONSERVATION DISTRICT SHALL BE NOTIFIED 48 HOURS PRIOR TO STARTING LAND DISTURBANCE ACTIVITY. NOTICE MAY BE EITHER FAXED OR SHIPPED TO:
 - MERCER COUNTY SOIL CONSERVATION DISTRICT
 - 1000 HUGHES DRIVE, HAMILTON SQUARE, NJ 08690
 - PHONE: 609-426-1100
 - EMAIL: MERCER@SOIL.NJ.GOV
- IF APPLICABLE TO THIS PROJECT, THE OWNER SHOULD BE AWARE OF HIS OR HER OBLIGATION TO REGISTER A NEW CONSTRUCTION PROJECT WITH THE MERCER COUNTY PERMANENT VEGETATIVE COVER (PVC) PROGRAM. PERMITS ARE REQUIRED FOR ALL NEW CONSTRUCTION PROJECTS (N.G. 15:27) AND ARE REQUIRED FOR ALL EXISTING CONSTRUCTION PROJECTS (N.G. 15:27) AND ARE REQUIRED FOR ALL EXISTING CONSTRUCTION PROJECTS (N.G. 15:27).
- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CURRENT STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL. THE CURRENT STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL ARE AVAILABLE ON THE MERCER COUNTY SOIL CONSERVATION DISTRICT WEBSITE AT WWW.SOILCONSERVATION.NJ.GOV.
- ALL SOIL EROSION AND SEDIMENT CONTROL FACILITIES SHALL BE INSTALLED PRIOR TO ANY GRADE OR EXCAVATION WORK. THE CURRENT STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL ARE AVAILABLE ON THE MERCER COUNTY SOIL CONSERVATION DISTRICT WEBSITE AT WWW.SOILCONSERVATION.NJ.GOV.
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MERCER COUNTY PERMANENT VEGETATIVE COVER FOR SOIL STABILIZATION

MCN-SOL-NOTE-101 05/01/17

- TOPSOIL STRIPPING AND STOCKPILING
 - A. FIELD EXPLORATION SHOULD BE MADE TO DETERMINE WHETHER QUANTITY AND/OR QUALITY OF SURFACE SOIL JUSTIFIES STRIPPING.
 - B. A PARTICULAR STRIPPING DEPTH IS TYPICAL, BUT MAY VARY DEPENDING ON THE PARTICULAR SOIL STRUCTURE OR PREEXISTING USE.
 - C. STOCKPILES SHOULD BE LOCATED 50 TO 100 FEET FROM EXISTING STRUCTURES OR EXCAVATIONS TO PREVENT DAMAGE TO EXISTING STRUCTURES OR EXCAVATIONS.
 - D. STOCKPILES SHOULD BE TEMPORARILY STABILIZED ACCORDING TO THE STANDARDS.
- SEED PREPARATION
 - A. INSTALL EROSION CONTROL MEASURES AND FACILITIES SUCH AS SILT FENCE, DIVERSIONS, SEDIMENT BASINS, AND CHANNEL STABILIZATION.
 - B. GRADE AS NEEDED AND FEASIBLE TO PERMIT THE USE OF CONVENTIONAL EQUIPMENT FOR SEEDING PREPARATION. SEEDING, MULCH APPLICATION, TRACKING, AND MAINTENANCE, ALL GRADING SHOULD BE DONE IN ACCORDANCE WITH THE STANDARD FOR LAND GRADING, 19-1.
 - C. SEEDING PREPARATION
 - A. TOPSOIL (REQUIRED)
 - PH DEPTH 3" (UNSETTLED)
 - PH 6 TO 7.5
 - ORGANIC MATTER CONTENT: 3.7% MIN.
 - NITRATE NO. 50 MICROGRAMS PER LBS (UNIONIZED)
 - PHOSPHORUS: 100 LB/ACRE
 - POTASSIUM: 90 LB/ACRE
 - MCN-SHADE
 - 85% HAIR OR GREENER RED FESCUE
 - 10% KENTUCKY BLUEGRASS
 - 15% PERENNIAL RYEGRASS
 - MCN-HOST DETENTION BASIN BOUNTIES
 - 40% SLIP FEA (WITH BROWN ROOTS)
 - 25% PERENNIAL RYEGRASS
 - 25% TALL FESCUE OR STRONG GREENER RED FESCUE
 - 10% REDTOP
 - USE THE ABOVE MIX FOR FREQUENT MOWING FOR A REGULAR MOWING REGIME. SUBSTITUTE BROWN KLUUGRASS AND/OR TALL FESCUE FOR THE SLIP FEA IF NOT AVAILABLE IN AT LEAST THREE VARIETIES IN MIX (EXCLUDE K-31)
- RECOMMENDED PERMANENT SEEDING MIXES
 - OPIMUM SEEDING DATES: MARCH 1 TO MAY 15 AND AUGUST 15 TO OCTOBER 15
 - LAWNS - RATE 200 LBS/ACRE
 - MCN-EROD. SCD MIXED PERENNIAL MIX FOR LAWNS AND DETENTION BASINS
 - 70% TALL FESCUE
 - 20% PERENNIAL RYEGRASS
 - 10% KENTUCKY BLUEGRASS
 - MCN-LAWNS - LOW MAINTENANCE DROUGHTY & HEAVY TRAFFIC
 - 80% TALL FESCUE
 - 10% PERENNIAL RYEGRASS
 - 10% KENTUCKY BLUEGRASS
 - MCN-SHADE
 - 85% HAIR OR GREENER RED FESCUE
 - 10% KENTUCKY BLUEGRASS
 - 15% PERENNIAL RYEGRASS
 - MCN-HOST DETENTION BASIN BOUNTIES
 - 40% SLIP FEA (WITH BROWN ROOTS)
 - 25% PERENNIAL RYEGRASS
 - 25% TALL FESCUE OR STRONG GREENER RED FESCUE
 - 10% REDTOP
 - USE THE ABOVE MIX FOR FREQUENT MOWING FOR A REGULAR MOWING REGIME. SUBSTITUTE BROWN KLUUGRASS AND/OR TALL FESCUE FOR THE SLIP FEA IF NOT AVAILABLE IN AT LEAST THREE VARIETIES IN MIX (EXCLUDE K-31)
- CONSERVATION PLANTINGS
 - MCN-RECLAMATION EROSION CONTROL & ACID SOILS
 - RATE: 150 LB/ACRE
 - 40% SWITCHGRASS
 - 25% SURECRACK OR FLAT PEA
 - 15% TALL FESCUE OR STRONG RED FESCUE
 - 15% BERTONTOUR
 - 5% BROODPOOT TRIFOLIUM
 - MCN-WATERWAYS & WEET BASINS **
 - RATE: 150 LB/ACRE
 - 40% SWITCHGRASS
 - 30% CANADA BLUEGRASS OR SMOOTH BROMEGRASS
 - 10% ORCHARDGRASS
 - 10% WHITE CLOVER
 - 15% TALL FESCUE OR STRONG RED FESCUE
 - 5% BROODPOOT TRIFOLIUM
- WORK LINE AND FERTILIZER INTO THE SOIL TO A DEPTH OF 4 INCHES. THE FINAL HARROWING OR DISC OPERATION SHOULD BE ON THE GENERAL COURSE. CONTINUE TILLAGE UNTIL A SURFACE FINE SEDIMENT IS PREPARED.
- REMOVE FROM THE SURFACE ALL STONES 2 INCHES OR LARGER IN ANY DIMENSION, AND OTHER OBSTRUCTIONAL STONES OR DEBRIS SUCH AS WIRE, TREE ROOTS, PIECES OF CONCRETE, CLODS, LUMPS, OR OTHER UNSUITABLE MATERIAL.
- SEEDING
 - A. SELECT A SEED MIXTURE APPROVED BY THE MERCER COUNTY SCD.
 - B. APPLY SEED UNIFORMLY BY HAND, CYCLONS, DROP SEEDER, DRILL, COUNTERPARTER, OR HYDROSEEDER. THE LATTER MAY BE APPLICABLE FOR LARGE AREAS. READ WHERE CONVENTIONAL APPLICATIONS ARE NOT FEASIBLE. HYDROSEEDING OPERATIONS SHOULD BE CONDUCTED IN ACCORDANCE WITH THE STANDARDS FOR HYDROSEEDING OPERATIONS. THE SEED SHOULD BE INCORPORATED INTO THE SOIL TO A DEPTH OF 1/2 TO 3/4 INCH DEPENDING UPON SPECIES.
 - C. THE USE OF HYDRO-MULCH, AS OPPOSED TO STRAW, IS LIMITED TO OPTIMUM TOPSOIL DEPTHS AS LISTED IN THE STANDARDS FOR LAND GRADING, 19-1.
 - D. AFTER SEEDING, THE SOIL SHOULD BE PACKED WITH A CORRUGATED ROLLER, WHEN PERFORMED ON THE CONTOUR, ROLLING WILL MINIMIZE SOIL EROSION AND MAINTAIN WATER CONSERVATION.
 - E. MULCHING
 - 1. UNMULCHED STRAW, HAY FREE OF SEEDS, OR SALT HAY IS REQUIRED ON ALL EXCEPT AREA 1A, 1B, 1C, 1D, 1E, 1F, 1G, 1H, 1I, 1J, 1K, 1L, 1M, 1N, 1O, 1P, 1Q, 1R, 1S, 1T, 1U, 1V, 1W, 1X, 1Y, 1Z, 1AA, 1AB, 1AC, 1AD, 1AE, 1AF, 1AG, 1AH, 1AI, 1AJ, 1AK, 1AL, 1AM, 1AN, 1AO, 1AP, 1AQ, 1AR, 1AS, 1AT, 1AU, 1AV, 1AW, 1AX, 1AY, 1AZ, 1BA, 1BB, 1BC, 1BD, 1BE, 1BF, 1BG, 1BH, 1BI, 1BJ, 1BK, 1BL, 1BM, 1BN, 1BO, 1BP, 1BQ, 1BR, 1BS, 1BT, 1BU, 1BV, 1BW, 1BX, 1BY, 1BZ, 1CA, 1CB, 1CC, 1CD, 1CE, 1CF, 1CG, 1CH, 1CI, 1CJ, 1CK, 1CL, 1CM, 1CN, 1CO, 1CP, 1CQ, 1CR, 1CS, 1CT, 1CU, 1CV, 1CW, 1CX, 1CY, 1CZ, 1DA, 1DB, 1DC, 1DD, 1DE, 1DF, 1DG, 1DH, 1DI, 1DJ, 1DK, 1DL, 1DM, 1DN, 1DO, 1DP, 1DQ, 1DR, 1DS, 1DT, 1DU, 1DV, 1DW, 1DX, 1DY, 1DZ, 1EA, 1EB, 1EC, 1ED, 1EE, 1EF, 1EG, 1EH, 1EI, 1EJ, 1EK, 1EL, 1EM, 1EN, 1EO, 1EP, 1EQ, 1ER, 1ES, 1ET, 1EU, 1EV, 1EW, 1EX, 1EY, 1EZ, 1FA, 1FB, 1FC, 1FD, 1FE, 1FF, 1FG, 1FH, 1FI, 1FJ, 1FK, 1FL, 1FM, 1FN, 1FO, 1FP, 1FQ, 1FR, 1FS, 1FT, 1FU, 1FV, 1FW, 1FX, 1FY, 1FZ, 1GA, 1GB, 1GC, 1GD, 1GE, 1GF, 1GG, 1GH, 1GI, 1GJ, 1GK, 1GL, 1GM, 1GN, 1GO, 1GP, 1GQ, 1GR, 1GS, 1GT, 1GU, 1GV, 1GW, 1GX, 1GY, 1GZ, 1HA, 1HB, 1HC, 1HD, 1HE, 1HF, 1HG, 1HH, 1HI, 1HJ, 1HK, 1HL, 1HM, 1HN, 1HO, 1HP, 1HQ, 1HR, 1HS, 1HT, 1HU, 1HV, 1HW, 1HX, 1HY, 1HZ, 1IA, 1IB, 1IC, 1ID, 1IE, 1IF, 1IG, 1IH, 1II, 1IJ, 1IK, 1IL, 1IM, 1IN, 1IO, 1IP, 1IQ, 1IR, 1IS, 1IT, 1IU, 1IV, 1IW, 1IX, 1IY, 1IZ, 1JA, 1JB, 1JC, 1JD, 1JE, 1JF, 1JG, 1JH, 1JI, 1JJ, 1JK, 1JL, 1JM, 1JN, 1JO, 1JP, 1JQ, 1JR, 1JS, 1JT, 1JU, 1JV, 1JW, 1JX, 1JY, 1JZ, 1KA, 1KB, 1KC, 1KD, 1KE, 1KF, 1KG, 1KH, 1KI, 1KJ, 1KL, 1KM, 1KN, 1KO, 1KP, 1KQ, 1KR, 1KS, 1KT, 1KU, 1KV, 1KW, 1KX, 1KY, 1KZ, 1LA, 1LB, 1LC, 1LD, 1LE, 1LF, 1LG, 1LH, 1LI, 1LJ, 1LK, 1LL, 1LM, 1LN, 1LO, 1LP, 1LQ, 1LR, 1LS, 1LT, 1LU, 1LV, 1LW, 1LX, 1LY, 1LZ, 1MA, 1MB, 1MC, 1MD, 1ME, 1MF, 1MG, 1MH, 1MI, 1MJ, 1MK, 1ML, 1MM, 1MN, 1MO, 1MP, 1MQ, 1MR, 1MS, 1MT, 1MU, 1MV, 1MW, 1MX, 1MY, 1MZ, 1NA, 1NB, 1NC, 1ND, 1NE, 1NF, 1NG, 1NH, 1NI, 1NJ, 1NK, 1NL, 1NM, 1NO, 1NP, 1NQ, 1NR, 1NS, 1NT, 1NU, 1NV, 1NW, 1NX, 1NY, 1NZ, 1OA, 1OB, 1OC, 1OD, 1OE, 1OF, 1OG, 1OH, 1OI, 1OJ, 1OK, 1OL, 1OM, 1ON, 1OO, 1OP, 1OQ, 1OR, 1OS, 1OT, 1OU, 1OV, 1OW, 1OX, 1OY, 1OZ, 1PA, 1PB, 1PC, 1PD, 1PE, 1PF, 1PG, 1PH, 1PI, 1PJ, 1PK, 1PL, 1PM, 1PN, 1PO, 1PP, 1PQ, 1PR, 1PS, 1PT, 1PU, 1PV, 1PW, 1PX, 1PY, 1PZ, 1QA, 1QB, 1QC, 1QD, 1QE, 1QF, 1QG, 1QH, 1QI, 1QJ, 1QK, 1QL, 1QM, 1QN, 1QO, 1QP, 1QQ, 1QR, 1QS, 1QT, 1QU, 1QV, 1QW, 1QX, 1QY, 1QZ, 1RA, 1RB, 1RC, 1RD, 1RE, 1RF, 1RG, 1RH, 1RI, 1RJ, 1RK, 1RL, 1RM, 1RN, 1RO, 1RP, 1RQ, 1RR, 1RS, 1RT, 1RU, 1RV, 1RW, 1RX, 1RY, 1RZ, 1SA, 1SB, 1SC, 1SD, 1SE, 1SF, 1SG, 1SH, 1SI, 1SJ, 1SK, 1SL, 1SM, 1SN, 1SO, 1SP, 1SQ, 1SR, 1SS, 1ST, 1SU, 1SV, 1SW, 1SX, 1SY, 1SZ, 1TA, 1TB, 1TC, 1TD, 1TE, 1TF, 1TG, 1TH, 1TI, 1TJ, 1TK, 1TL, 1TM, 1TN, 1TO, 1TP, 1TQ, 1TR, 1TS, 1TT, 1TU, 1TV, 1TW, 1TX, 1TY, 1TZ, 1UA, 1UB, 1UC, 1UD, 1UE, 1UF, 1UG, 1UH, 1UI, 1UJ, 1UK, 1UL, 1UM, 1UN, 1UO, 1UP, 1UQ, 1UR, 1US, 1UT, 1UU, 1UV, 1UW, 1UX, 1UY, 1UZ, 1VA, 1VB, 1VC, 1VD, 1VE, 1VF, 1VG, 1VH, 1VI, 1VJ, 1VK, 1VL, 1VM, 1VN, 1VO, 1VP, 1VQ, 1VR, 1VS, 1VT, 1VU, 1VV, 1VW, 1VX, 1VY, 1VZ, 1WA, 1WB, 1WC, 1WD, 1WE, 1WF, 1WG, 1WH, 1WI, 1WJ, 1WK, 1WL, 1WM, 1WN, 1WO, 1WP, 1WQ, 1WR, 1WS, 1WT, 1WU, 1WV, 1WW, 1WX, 1WY, 1WZ, 1XA, 1XB, 1XC, 1XD, 1XE, 1XF, 1XG, 1XH, 1XI, 1XJ, 1XK, 1XL, 1XM, 1XN, 1XO, 1XP, 1XQ, 1XR, 1XS, 1XT, 1XU, 1XV, 1XW, 1XX, 1XY, 1XZ, 1YA, 1YB, 1YC, 1YD, 1YE, 1YF, 1YG, 1YH, 1YI, 1YJ, 1YK, 1YL, 1YM, 1YN, 1YO, 1YP, 1YQ, 1YR, 1YS, 1YT, 1YU, 1YV, 1YW, 1YX, 1YY, 1YZ, 1ZA, 1ZB, 1ZC, 1ZD, 1ZE, 1ZF, 1ZG, 1ZH, 1ZI, 1ZJ, 1ZK, 1ZL, 1ZM, 1ZN, 1ZO, 1ZP, 1ZQ, 1ZR, 1ZS, 1ZT, 1ZU, 1ZV, 1ZW, 1ZX, 1ZY, 1ZZ, 2AA, 2AB, 2AC, 2AD, 2AE, 2AF, 2AG, 2AH, 2AI, 2AJ, 2AK, 2AL, 2AM, 2AN, 2AO, 2AP, 2AQ, 2AR, 2AS, 2AT, 2AU, 2AV, 2AW, 2AX, 2AY, 2AZ, 2BA, 2BB, 2BC, 2BD, 2BE, 2BF, 2BG, 2BH, 2BI, 2BJ, 2BK, 2BL, 2BM, 2BN, 2BO, 2BP, 2BQ, 2BR, 2BS, 2BT, 2BU, 2BV, 2BW, 2BX, 2BY, 2BZ, 2CA, 2CB, 2CC, 2CD, 2CE, 2CF, 2CG, 2CH, 2CI, 2CJ, 2CK, 2CL, 2CM, 2CN, 2CO, 2CP, 2CQ, 2CR, 2CS, 2CT, 2CU, 2CV, 2CW, 2CX, 2CY, 2CZ, 2DA, 2DB, 2DC, 2DD, 2DE, 2DF, 2DG, 2DH, 2DI, 2DJ, 2DK, 2DL, 2DM, 2DN, 2DO, 2DP, 2DQ, 2DR, 2DS, 2DT, 2DU, 2DV, 2DW, 2DX, 2DY, 2DZ, 2EA, 2EB, 2EC, 2ED, 2EE, 2EF, 2EG, 2EH, 2EI, 2EJ, 2EK, 2EL, 2EM, 2EN, 2EO, 2EP, 2EQ, 2ER, 2ES, 2ET, 2EU, 2EV, 2EW, 2EX, 2EY, 2EZ, 2FA, 2FB, 2FC, 2FD, 2FE, 2FF, 2FG, 2FH, 2FI, 2FJ, 2FK, 2FL, 2FM, 2FN, 2FO, 2FP, 2FQ, 2FR, 2FS, 2FT, 2FU, 2FV, 2FW, 2FX, 2FY, 2FZ, 2GA, 2GB, 2GC, 2GD, 2GE, 2GF, 2GG, 2GH, 2GI, 2GJ, 2GK, 2GL, 2GM, 2GN, 2GO, 2GP, 2GQ, 2GR, 2GS, 2GT, 2GU, 2GV, 2GW, 2GX, 2GY, 2GZ, 2HA, 2HB, 2HC, 2HD, 2HE, 2HF, 2HG, 2HH, 2HI, 2HJ, 2HK, 2HL, 2HM, 2HN, 2HO, 2HP, 2HQ, 2HR, 2HS, 2HT, 2HU, 2HV, 2HW, 2HX, 2HY, 2HZ, 2IA, 2IB, 2IC, 2ID, 2IE, 2IF, 2IG, 2IH, 2II, 2IJ, 2IK, 2IL, 2IM, 2IN, 2IO, 2IP, 2IQ, 2IR, 2IS, 2IT, 2IU, 2IV, 2IW, 2IX, 2IY, 2IZ, 2JA, 2JB, 2JC, 2JD, 2JE, 2JF, 2JG, 2JH, 2JI, 2JJ, 2JK, 2JL, 2JM, 2JN, 2JO, 2JP, 2JQ, 2JR, 2JS, 2JT, 2JU, 2JV, 2JW, 2JX, 2JY, 2JZ, 2KA, 2KB, 2KC, 2KD, 2KE, 2KF, 2KG, 2KH, 2KI, 2KJ, 2KL, 2KM, 2KN, 2KO, 2KP, 2KQ, 2KR, 2KS, 2KT, 2KU, 2KV, 2KW, 2KX, 2KY, 2KZ, 2LA, 2LB, 2LC, 2LD, 2LE, 2LF, 2LG, 2LH, 2LI, 2LJ, 2LK, 2LL, 2LM, 2LN, 2LO, 2LP, 2LQ, 2LR, 2LS, 2LT, 2LU, 2LV, 2LW, 2LX, 2LY, 2LZ, 2MA, 2MB, 2MC, 2MD, 2ME, 2MF, 2MG, 2MH, 2MI, 2MJ, 2MK, 2ML, 2MM, 2MN, 2MO, 2MP, 2MQ, 2MR, 2MS, 2MT, 2MU, 2MV, 2MW, 2MX, 2MY, 2MZ, 2NA, 2NB, 2NC, 2ND, 2NE, 2NF, 2NG, 2NH, 2NI, 2NJ, 2NK, 2NL, 2NM, 2NO, 2NP, 2NQ, 2NR, 2NS, 2NT, 2NU, 2NV, 2NW, 2NX, 2NY, 2NZ, 2OA, 2OB, 2OC, 2OD, 2OE, 2OF, 2OG, 2OH, 2OI, 2OJ, 2OK, 2OL, 2OM, 2ON, 2OO, 2OP, 2OQ, 2OR, 2OS, 2OT, 2OU, 2OV, 2OW, 2OX, 2OY, 2OZ, 2PA, 2PB, 2PC, 2PD, 2PE, 2PF, 2PG, 2PH, 2PI, 2PJ, 2PK, 2PL, 2PM, 2PN, 2PO, 2PP, 2PQ, 2PR, 2PS, 2PT, 2PU, 2PV, 2PW, 2PX, 2PY, 2PZ, 2QA, 2QB, 2QC, 2QD, 2QE, 2QF, 2QG, 2QH, 2QI, 2QJ, 2QK, 2QL, 2QM, 2QN, 2QO, 2QP, 2QQ, 2QR, 2QS, 2QT, 2QU, 2QV, 2QW, 2QX, 2QY, 2QZ, 2RA, 2RB, 2RC, 2RD, 2RE, 2RF, 2RG, 2RH, 2RI, 2RJ, 2RK, 2RL, 2RM, 2RN, 2RO, 2RP, 2RQ, 2RR, 2RS, 2RT, 2RU, 2RV, 2RW, 2RX, 2RY, 2RZ, 2SA, 2SB, 2SC, 2SD, 2SE, 2SF, 2SG, 2SH, 2SI, 2SJ, 2SK, 2SL, 2SM, 2SN, 2SO, 2SP, 2SQ, 2SR, 2SS, 2ST, 2SU, 2SV, 2SW, 2SX, 2SY, 2SZ, 2TA, 2TB, 2TC, 2TD, 2TE, 2TF, 2TG, 2TH, 2TI, 2TJ, 2TK, 2TL, 2TM, 2TN, 2TO, 2TP, 2TQ, 2TR, 2TS, 2TT, 2TU, 2TV, 2TW, 2TX, 2TY, 2TZ, 2UA, 2UB, 2UC, 2UD, 2UE, 2UF, 2UG, 2UH, 2UI, 2UJ, 2UK, 2UL, 2UM, 2UN, 2UO, 2UP, 2UQ, 2UR, 2US, 2UT, 2UU, 2UV, 2UW, 2UX, 2UY, 2UZ, 2VA, 2VB, 2VC, 2VD, 2VE, 2VF, 2VG, 2VH, 2VI, 2VJ, 2VK, 2VL, 2VM, 2VN, 2VO, 2VP, 2VQ, 2VR, 2VS, 2VT, 2VU, 2VV, 2VW, 2VX, 2VY, 2VZ, 2WA, 2WB, 2WC, 2WD, 2WE, 2WF, 2WG, 2WH, 2WI, 2WJ, 2WK, 2WL, 2WM, 2WN, 2WO, 2WP, 2WQ, 2WR, 2WS, 2WT, 2WU, 2WV, 2WW, 2WX, 2WY, 2WZ, 2XA, 2XB, 2XC, 2XD, 2XE, 2XF, 2XG, 2XH, 2XI, 2XJ, 2XK, 2XL, 2XM, 2XN, 2XO, 2XP, 2XQ, 2XR, 2XS, 2XT, 2XU, 2XV, 2XW, 2XX, 2XY, 2XZ, 2YA, 2YB, 2YC, 2YD, 2YE, 2YF, 2YG, 2YH, 2YI, 2YJ, 2YK, 2YL, 2YM, 2YN, 2YO, 2YP, 2YQ, 2YR, 2YS, 2YT, 2YU, 2YV, 2YW, 2YX, 2YY, 2YZ, 2ZA, 2ZB, 2ZC, 2ZD, 2ZE, 2ZF, 2ZG, 2ZH, 2ZI, 2ZJ, 2ZK, 2ZL, 2ZM, 2ZN, 2ZO, 2ZP, 2ZQ, 2ZR, 2ZS, 2ZT, 2ZU, 2ZV, 2ZW, 2ZX, 2ZY, 2ZZ, 3AA, 3AB, 3AC, 3AD, 3AE, 3AF, 3AG, 3AH, 3AI, 3AJ, 3AK, 3AL, 3AM, 3AN, 3AO, 3AP, 3AQ, 3AR, 3AS, 3AT, 3AU, 3AV, 3AW, 3AX, 3AY, 3AZ, 3BA, 3BB, 3BC, 3BD, 3BE, 3BF, 3BG, 3BH, 3BI, 3BJ, 3BK, 3BL, 3BM, 3BN, 3BO, 3BP, 3BQ, 3BR, 3BS, 3BT, 3BU, 3BV, 3BW, 3BX, 3BY, 3BZ, 3CA, 3CB, 3CC, 3CD, 3CE, 3CF, 3CG, 3CH, 3CI, 3CJ, 3CK, 3CL, 3CM, 3CN, 3CO, 3CP, 3CQ, 3CR, 3CS, 3CT, 3CU, 3CV, 3CW, 3CX, 3CY, 3CZ, 3DA, 3DB, 3DC, 3DD, 3DE, 3DF, 3DG, 3DH, 3DI, 3DJ, 3DK, 3DL, 3DM, 3DN, 3DO, 3DP, 3DQ, 3DR, 3DS, 3DT, 3DU, 3DV, 3DW, 3DX, 3DY, 3DZ, 3EA, 3EB, 3EC, 3ED, 3EE, 3EF, 3EG, 3EH, 3EI, 3EJ, 3EK, 3EL, 3EM, 3EN, 3EO, 3EP, 3EQ, 3ER, 3ES, 3ET, 3EU, 3EV, 3EW, 3EX, 3EY, 3EZ, 3FA, 3FB, 3FC, 3FD, 3FE, 3FF, 3FG, 3FH, 3FI, 3FJ, 3FK, 3FL, 3FM, 3FN, 3FO, 3FP, 3FQ, 3FR, 3FS, 3FT, 3FU, 3FV, 3FW, 3FX, 3FY, 3FZ, 3GA, 3GB, 3GC, 3GD, 3GE, 3GF, 3GG, 3GH, 3GI, 3GJ, 3GK, 3GL, 3GM, 3GN, 3GO, 3GP, 3GQ, 3GR, 3GS, 3GT, 3GU, 3GV, 3GW, 3GX, 3GY, 3GZ, 3HA, 3HB, 3HC, 3HD, 3HE, 3HF, 3HG, 3HH, 3HI, 3HJ, 3HK, 3HL, 3HM, 3HN, 3HO, 3HP, 3HQ, 3HR, 3HS, 3HT, 3HU, 3HV, 3HW, 3HX, 3HY, 3HZ, 3IA, 3IB, 3IC, 3ID, 3IE, 3IF, 3IG, 3IH, 3II, 3IJ, 3IK, 3IL, 3IM, 3IN, 3IO, 3IP, 3IQ, 3IR, 3IS, 3IT, 3IU, 3IV, 3IW, 3IX, 3IY, 3IZ, 3JA, 3JB, 3JC, 3JD, 3JE, 3JF, 3JG, 3JH, 3JI, 3JJ, 3JK, 3JL, 3JM, 3JN, 3JO, 3JP, 3JQ, 3JR, 3JS, 3JT, 3JU, 3JV, 3JW, 3JX, 3JY, 3JZ, 3KA, 3KB, 3KC, 3KD, 3KE, 3KF, 3KG, 3KH, 3KI, 3KJ, 3KL, 3KM, 3KN, 3KO, 3KP, 3KQ, 3KR, 3KS, 3KT, 3KU, 3KV, 3KW, 3KX, 3KY, 3KZ, 3LA, 3LB, 3LC, 3LD, 3LE, 3LF, 3LG, 3LH, 3LI, 3LJ, 3LK, 3LL, 3LM, 3LN, 3LO, 3LP, 3LQ, 3LR, 3LS, 3LT, 3LU, 3LV, 3LW, 3LX, 3LY, 3LZ, 3MA, 3MB, 3MC, 3MD, 3ME, 3MF, 3MG, 3MH, 3MI, 3MJ, 3MK, 3ML, 3MM, 3MN, 3MO, 3MP, 3MQ, 3MR, 3MS, 3MT, 3MU, 3MV, 3MW, 3MX, 3MY, 3MZ, 3NA, 3NB, 3NC, 3ND, 3NE, 3NF, 3NG, 3NH, 3NI, 3NJ, 3NK, 3NL, 3NM, 3NO, 3NP, 3NQ, 3NR, 3NS, 3NT, 3NU, 3NV, 3NW, 3NX, 3NY, 3NZ, 3OA, 3OB, 3OC, 3OD, 3OE, 3OF, 3OG, 3OH, 3OI, 3OJ, 3OK, 3OL, 3OM, 3ON, 3OO, 3OP, 3OQ, 3OR, 3OS, 3OT, 3OU, 3OV, 3OW, 3OX, 3OY, 3OZ, 3PA, 3PB, 3PC, 3PD, 3PE, 3PF, 3PG, 3PH, 3PI, 3PJ, 3PK, 3PL, 3PM, 3PN, 3PO, 3PP, 3PQ, 3PR, 3PS, 3PT, 3PU, 3PV, 3PW, 3PX, 3PY, 3PZ, 3QA, 3QB, 3QC, 3QD, 3QE, 3QF, 3QG, 3QH, 3QI, 3QJ, 3QK, 3QL, 3QM, 3QN, 3QO, 3QP, 3QQ, 3QR, 3QS, 3QT, 3QU, 3QV, 3QW, 3QX, 3QY, 3QZ, 3RA, 3RB, 3RC, 3RD, 3RE, 3RF, 3RG, 3RH, 3RI, 3RJ, 3RK, 3RL, 3RM, 3RN, 3RO, 3RP, 3RQ, 3RR, 3RS, 3RT, 3RU, 3RV, 3RW, 3RX, 3RY, 3RZ, 3SA, 3SB, 3SC, 3SD, 3SE, 3SF, 3SG, 3SH, 3SI, 3SJ, 3SK, 3SL, 3SM, 3SN, 3SO, 3SP, 3SQ, 3SR, 3SS, 3ST, 3SU, 3SV, 3SW, 3SX, 3SY, 3SZ, 3TA, 3TB, 3TC, 3TD, 3TE, 3TF, 3TG, 3TH, 3TI, 3TJ, 3TK, 3TL, 3TM, 3TN, 3TO, 3TP, 3TQ, 3TR, 3TS, 3TT, 3TU, 3TV, 3TW, 3TX, 3TY, 3TZ, 3UA, 3UB, 3UC, 3UD, 3UE, 3UF, 3UG, 3UH, 3UI, 3UJ, 3UK, 3UL, 3UM, 3UN, 3UO, 3UP, 3UQ, 3UR, 3US, 3UT, 3UU, 3UV, 3UW, 3UX, 3UY, 3UZ, 3VA, 3VB, 3VC, 3VD, 3VE, 3VF, 3VG, 3VH, 3VI, 3VJ, 3VK, 3VL, 3VM, 3VN, 3VO, 3VP, 3VQ, 3VR, 3VS, 3VT, 3VU, 3VV, 3VW, 3VX, 3VY, 3VZ, 3WA, 3WB, 3WC, 3WD, 3WE, 3WF, 3WG, 3WH, 3WI, 3WJ, 3WK, 3WL, 3WM, 3WN, 3WO, 3WP, 3WQ, 3WR, 3WS, 3WT, 3WU, 3WV, 3WW, 3WX, 3WY, 3WZ, 3XA, 3XB, 3XC, 3XD, 3XE, 3XF, 3XG, 3XH, 3XI, 3XJ, 3XK, 3XL, 3XM, 3XN, 3XO, 3XP, 3XQ, 3XR, 3XS, 3XT, 3XU, 3XV, 3XW, 3XX, 3XY, 3XZ, 3YA, 3YB, 3YC, 3YD, 3YE, 3YF, 3YG, 3YH, 3YI, 3YJ, 3YK, 3YL, 3YM, 3YN, 3YO, 3YP, 3YQ, 3YR, 3YS, 3YT, 3YU, 3YV, 3YW, 3YX, 3YY, 3YZ, 3ZA, 3ZB, 3ZC, 3ZD, 3ZE, 3ZF, 3ZG, 3ZH, 3ZI, 3ZJ, 3ZK, 3ZL, 3ZM, 3ZN, 3ZO, 3ZP, 3ZQ, 3ZR, 3ZS, 3ZT, 3ZU, 3ZV, 3ZW, 3ZX, 3ZY, 3ZZ, 4AA, 4AB, 4AC, 4AD, 4AE, 4AF, 4AG, 4AH, 4AI, 4AJ, 4AK, 4AL, 4AM, 4AN, 4AO, 4AP, 4AQ, 4AR, 4AS, 4AT, 4AU, 4AV, 4AW, 4AX, 4AY, 4AZ, 4BA, 4BB, 4BC, 4BD, 4BE, 4BF, 4BG, 4BH, 4BI, 4BJ, 4BK, 4BL, 4BM, 4BN, 4BO, 4BP, 4BQ, 4BR, 4BS, 4BT, 4BU, 4BV, 4BW, 4BX, 4BY, 4BZ, 4CA, 4CB, 4CC, 4CD, 4CE, 4CF, 4CG, 4CH, 4CI, 4CJ, 4CK, 4CL, 4CM, 4CN, 4CO, 4CP, 4CQ, 4CR, 4CS, 4CT, 4CU, 4CV, 4CW, 4CX, 4CY, 4CZ, 4DA, 4DB, 4DC, 4DD, 4DE, 4DF, 4DG, 4DH, 4DI, 4DJ, 4DK, 4DL, 4DM, 4DN, 4DO, 4DP, 4DQ, 4DR, 4DS, 4DT, 4DU, 4DV, 4DW, 4DX, 4DY, 4DZ, 4EA, 4EB, 4EC, 4ED, 4EE, 4EF, 4EG, 4EH, 4EI, 4EJ, 4EK, 4EL, 4EM, 4EN, 4EO, 4EP, 4EQ, 4ER, 4ES, 4ET, 4EU, 4EV, 4EW, 4EX, 4EY, 4EZ, 4FA, 4FB, 4FC, 4FD, 4FE, 4FF, 4FG, 4FH, 4FI, 4FJ, 4FK, 4FL, 4FM, 4FN, 4FO, 4FP, 4FQ, 4FR, 4FS, 4FT, 4FU, 4FV, 4FW, 4FX, 4FY, 4FZ, 4GA, 4GB, 4GC, 4GD, 4GE, 4GF, 4GG, 4GH, 4GI, 4GJ, 4GK, 4GL, 4GM, 4GN, 4GO, 4GP, 4GQ, 4GR, 4GS, 4GT, 4GU, 4GV, 4GW, 4GX, 4GY, 4GZ, 4HA, 4HB, 4HC, 4HD, 4HE, 4HF, 4HG, 4HH, 4HI, 4HJ, 4HK, 4HL, 4HM, 4HN, 4HO, 4HP, 4HQ, 4HR, 4HS, 4HT, 4HU, 4HV, 4HW, 4HX, 4HY, 4HZ, 4



REV	DATE	DRAWN BY	DESCRIPTION

REV	DATE	DRAWN BY	DESCRIPTION

Ray C. Liotta
RAYMOND C. LIOTTA
 LANDSCAPE ARCHITECT - LICENSE NUMBER: A500036

**PRELIMINARY & FINAL
 MAJOR SITE PLAN**
 FOR
PRC HIGHTSTOWN
 BLOCK 8, LOT 12,
 BLOCK 21
 LOTS 1-14, 20 & 26,
 BLOCK 30, LOTS 1-7 & 10-13
 BOROUGH OF HIGHTSTOWN
 MERCER COUNTY
 NEW JERSEY

RED BANK OFFICE
 Corporate Headquarters
 331 Newnam Springs Road
 Suite 203
 Red Bank, NJ 07071
 Phone: 732.383.1950
 Fax: 732.383.1984

SCALE: 1" = 20'

LIGHTING PLAN
 22 of 30

LIGHTING SCHEDULE

SYMBOL	LABEL	QTY	CATALOG NUMBER	LAMP	LUMENS PER LAMP	WATTAGE	MOUNT
⊙	A	24	RL34BARAIASINWAZINNNNSP1	64 LED	4583	39	POST TOP, 12"
⊙	B	6	UCH-ANG-T3-32LED-3K-450-AWT	32 LED	3956	48	POLE, 14"
⊙	C	32	UCH-ANG-T3-32LED-3K-450-AWT	32 LED	3708	48	POLE, 14"
⊙	D	33	UCR-FLR-12LED-BW	12 LED	703	33	BOLLARD, 4"
⊙	E	19	UCH-ANG-T3-32LED-3K-450-AWT	32 LED	3708	48	WALL, 14"

LIGHTING STATISTICS

AREA DESCRIPTION	SYMBOL	AVERAGE	MAXIMUM	MINIMUM	MAXIMIN	AVGMIN
TOTAL ILLUMINATED AREA	*	1.2 FC	7.9 FC	0.0 FC	N/A	N/A

GENERAL NOTES

- THIS SHEET IS TO BE USED FOR LIGHTING PURPOSES ONLY.
- REFER TO SHEET 1 FOR GENERAL NOTES.

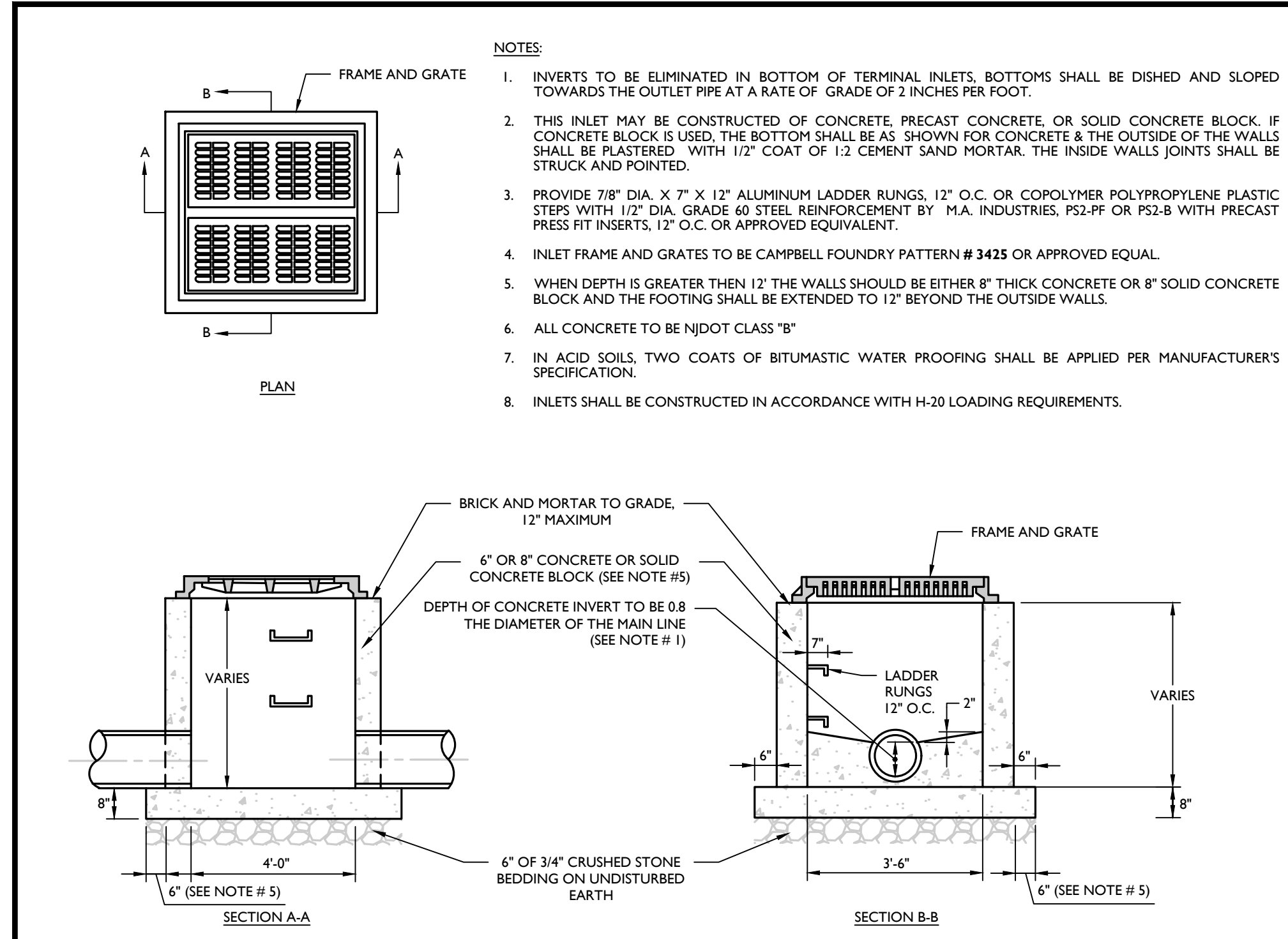
LIGHTING PLAN NOTES

- REFER TO SHEET 24 FOR LIGHTING DETAILS AND ORDERING INFORMATION.
- LIGHT LEVELS ON PLAN REPRESENT AVERAGE MAINTAINED FOOTCANDLE LEVELS AT FINISHED EXTERIOR GRADE.
- LIGHT FIXTURE HEIGHTS ARE MEASURED FROM FINISHED EXTERIOR GRADE TO LIGHT SOURCE.
- POLE LOCATIONS MAY VARY DUE TO SITE CONDITIONS. CONTRACTOR TO FIELD VERIFY POLE LOCATIONS PRIOR TO INSTALLATION TO ACCOMMODATE UTILITIES, PAVEMENTS, FENCES, ETC.
- UNDERGROUND CONDUIT LOCATIONS SHALL BE COORDINATED WITH THE PROPOSED TREE LOCATIONS.
- CONCRETE FOOTING FOR POLE MOUNTED LIGHTS TO BE DESIGNED BY OTHERS. FOOTING DETAIL TO BE SUBMITTED FOR APPROVAL PRIOR TO CONSTRUCTION.
- ELECTRICAL WIRING DESIGN FOR SITE LIGHTING TO BE DESIGNED BY OTHERS.
- SITE LIGHTING SUBSTITUTIONS WILL NOT BE PERMITTED UNLESS SUBSTITUTIONS ARE SUBMITTED AND APPROVED.
- TOWNHOUSE INDIVIDUAL WALL SCONCE FIXTURES FOR BOTH ENTRY DOORS AND GARAGE DOORS ARE NOT MOVED INTO THE PLAN. ILLUMINATION LEVELS IN THE FRONT OF TOWN HOMES ARE EXPECTED TO BE HIGHER AFTER INSTALLATION.
- LUMINAIRE TO BE MANUFACTURED BY MADCO AND HUBBELL OR APPROVED EQUAL.
- LUMINAIRE AND POLE FINISHES TO BE BLACK.

LIGHTING LEGEND

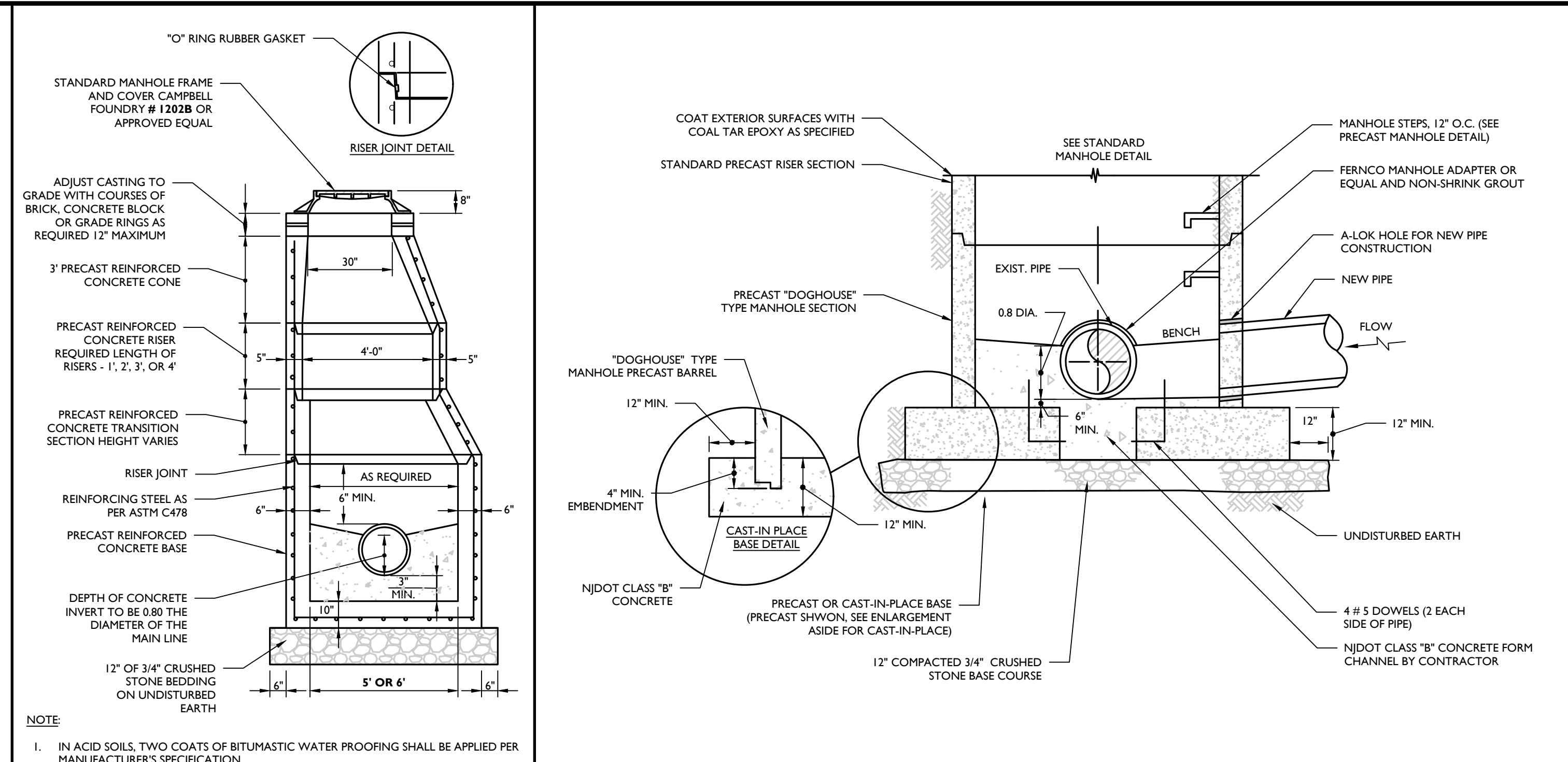
- ⊙ POLE MOUNT LUMINAIRE
- ⊙ POST TOP LUMINAIRE
- ⊙ WALL MOUNT LUMINAIRE
- ⊙ BOLLARD
- ⊙ EXISTING LIGHT FIXTURE
- 0.25 FOOTCANDLES
- 0.50 FOOTCANDLES
- 1.00 FOOTCANDLES

SCALE: 1" = 20'



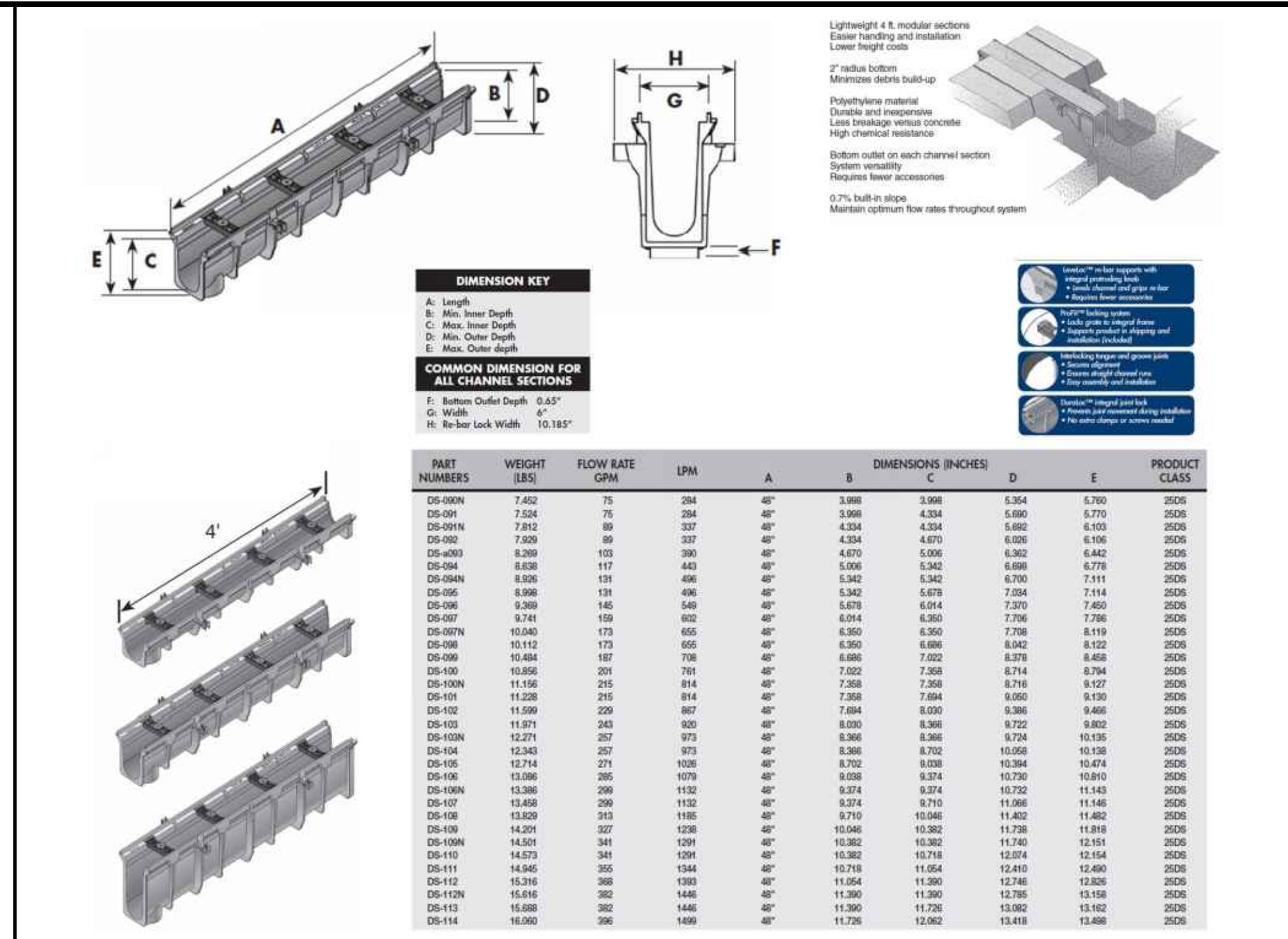
TYPE 'E' INLET DETAIL

NOT TO SCALE MCNJLUTL-STRM-1200 05/01/17



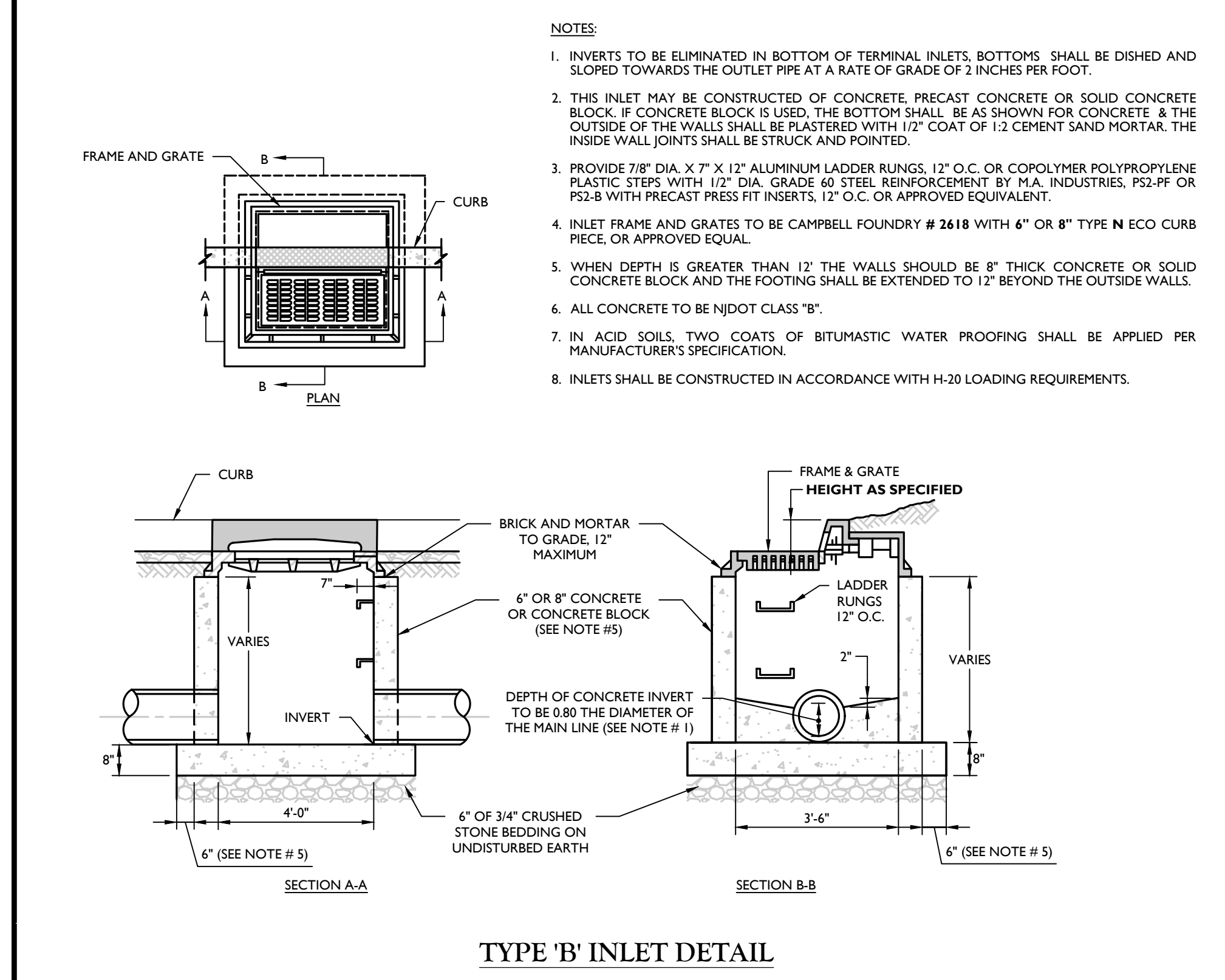
DOGHOUSE MANHOLE DETAIL

NOT TO SCALE MCNJLUTL-SSVR-1100 08/01/17



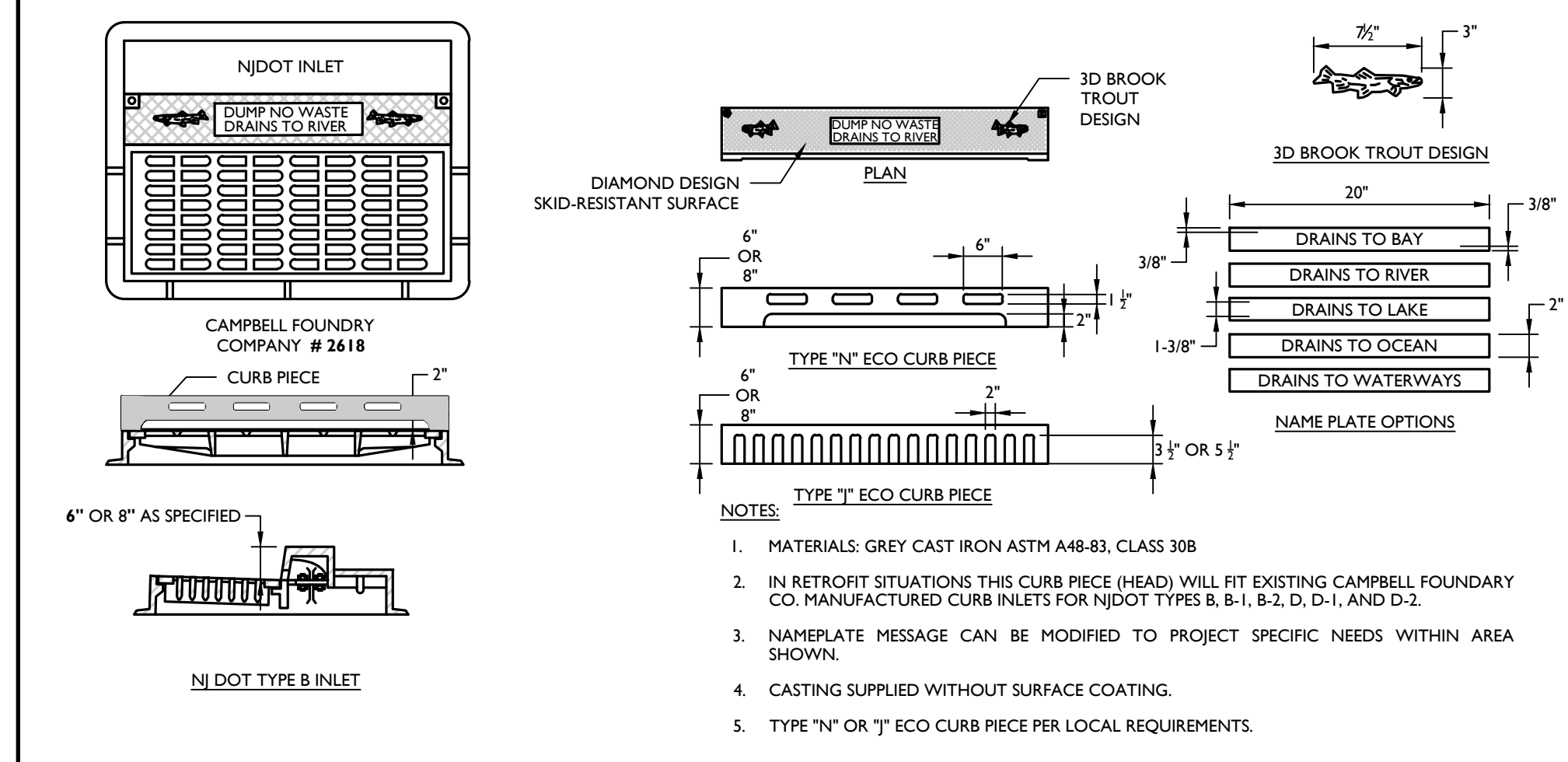
NDS DURA SLOPE TRENCH DRAIN DETAIL (OR APPROVED EQUAL)

NOT TO SCALE GNBRLTSL-STDN-GRD 3/8/18



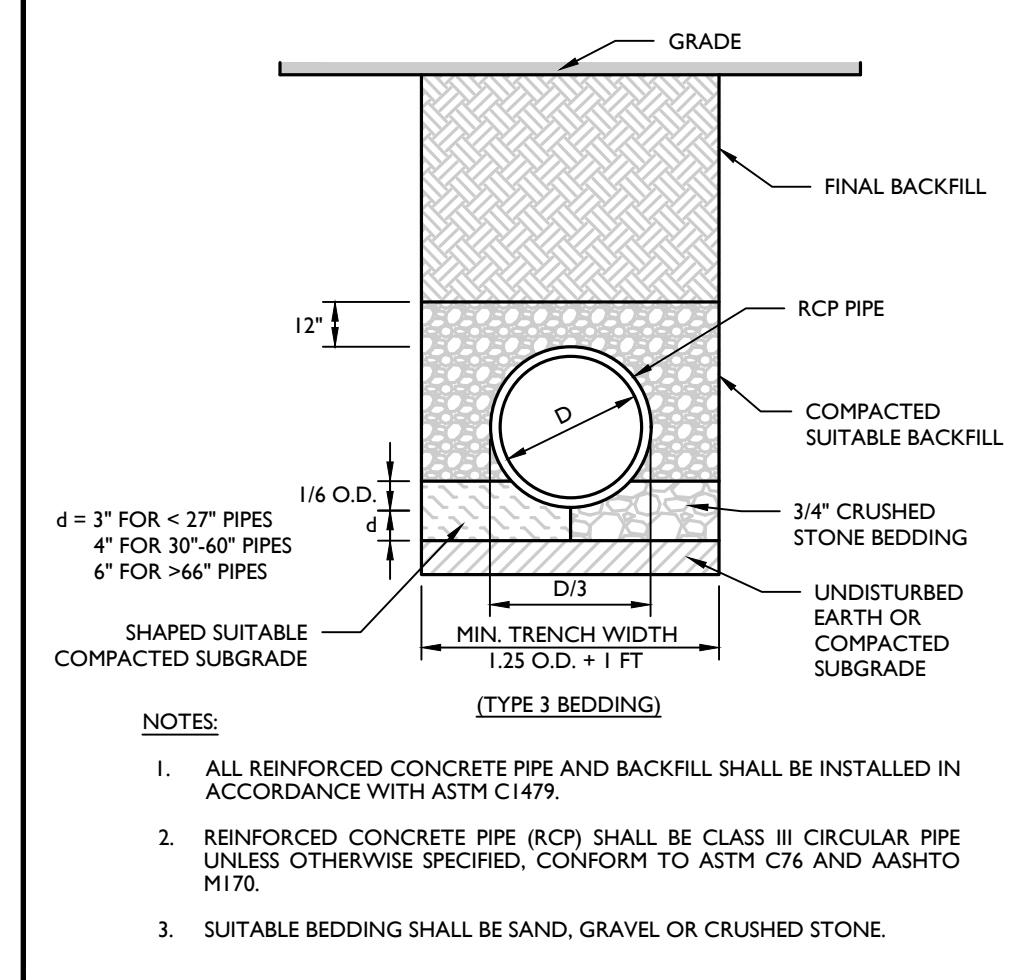
TYPE 'B' INLET DETAIL

NOT TO SCALE MCNJLUTL-STRM-1100 05/01/17



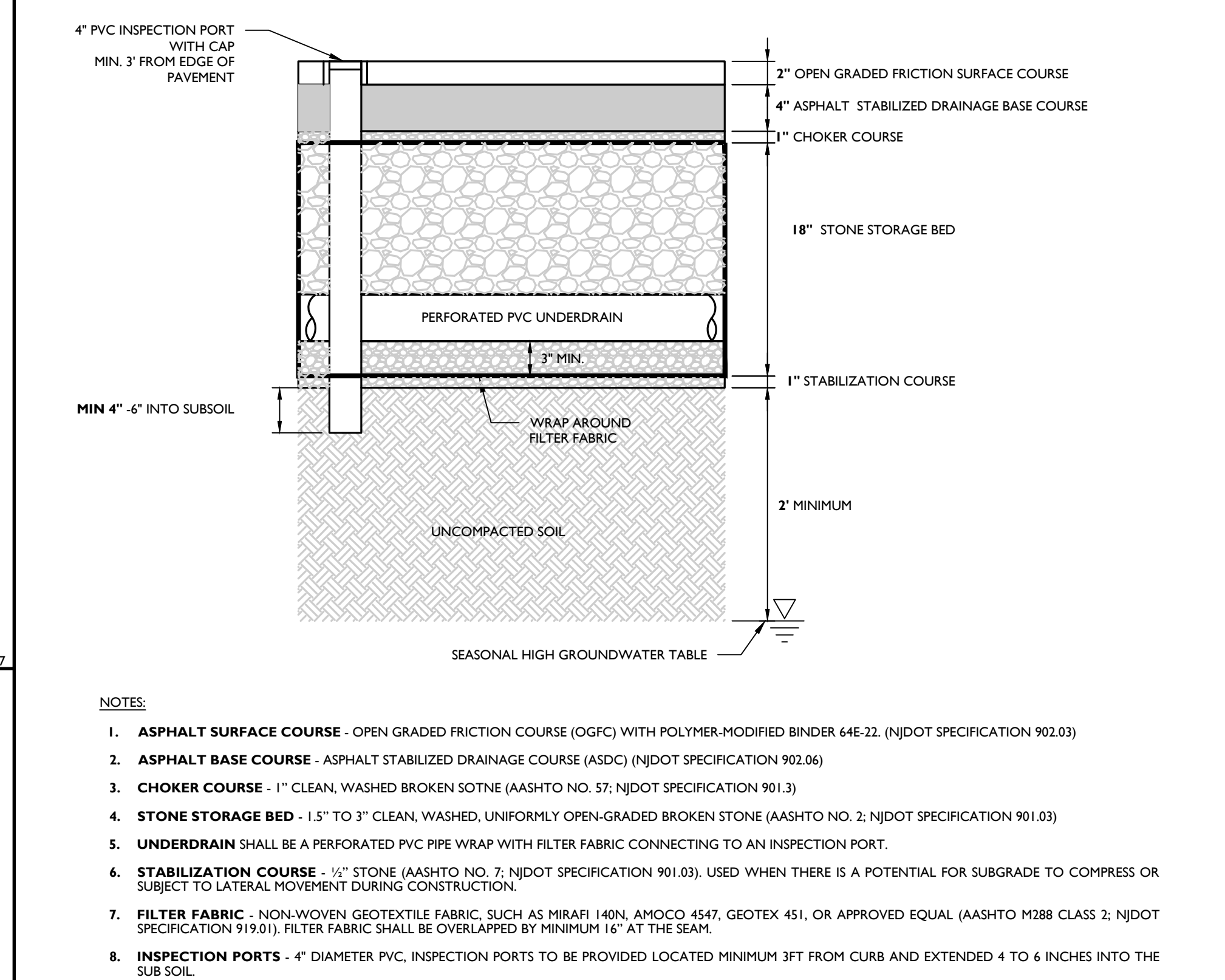
ECO CURB PIECE DETAIL

NOT TO SCALE MCNJLUTL-STRM-2001 05/01/17



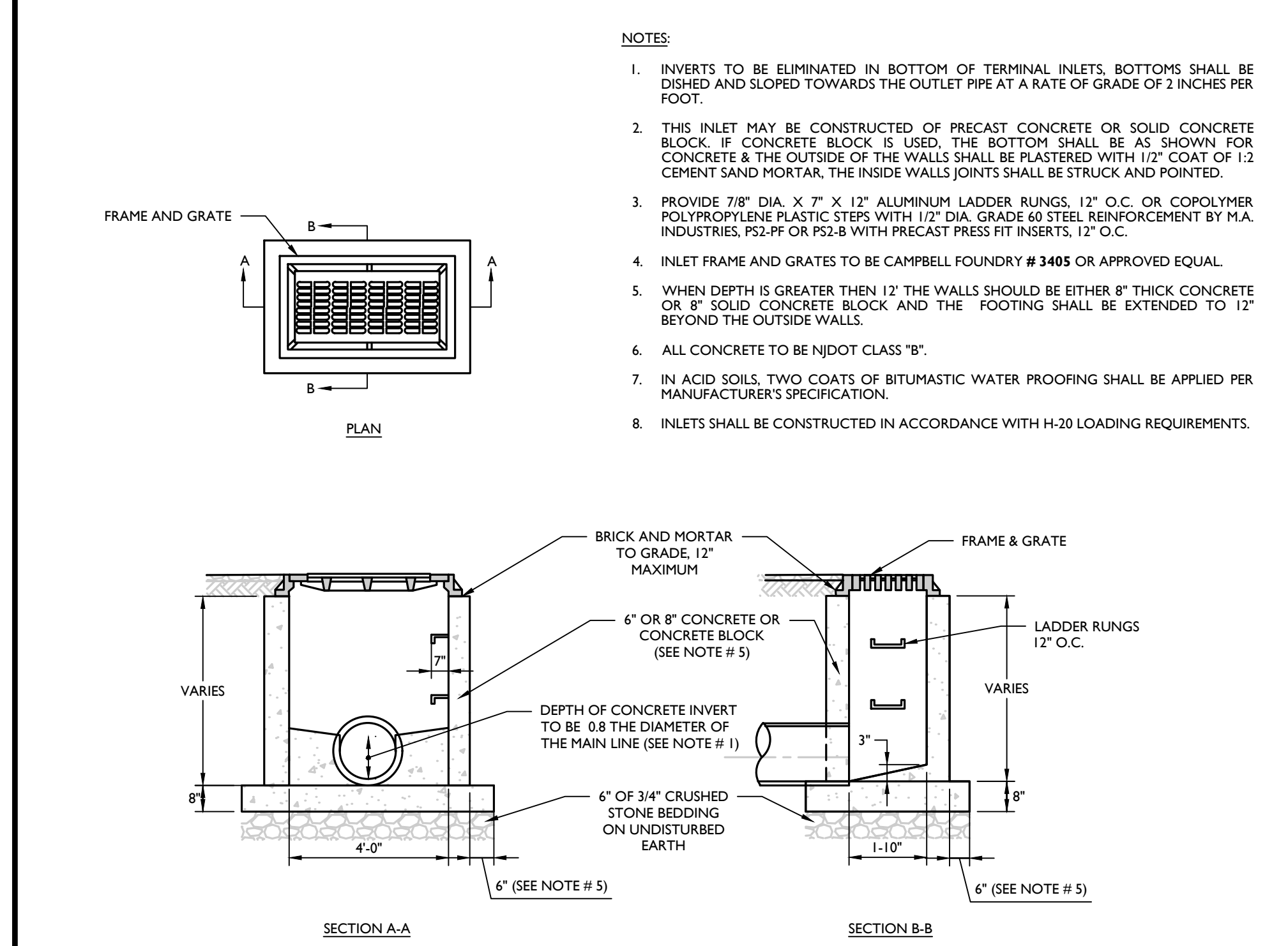
RCP PIPE BEDDING DETAIL

NOT TO SCALE MCNJLUTL-STRM-2301 05/01/17



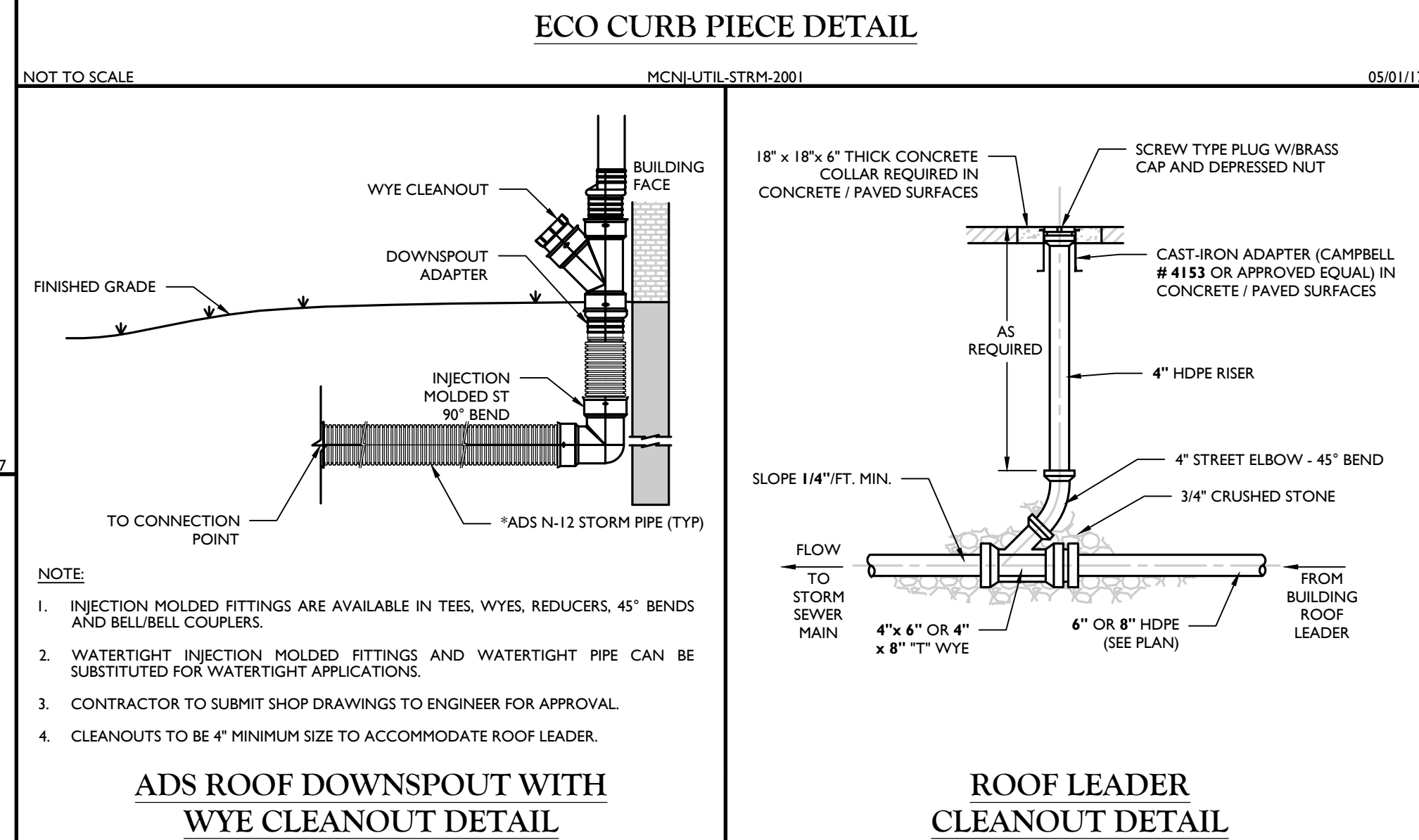
POROUS ASPHALT PAVEMENT DETAIL

NOT TO SCALE MCNJLUTL-STRM-2302 05/01/17



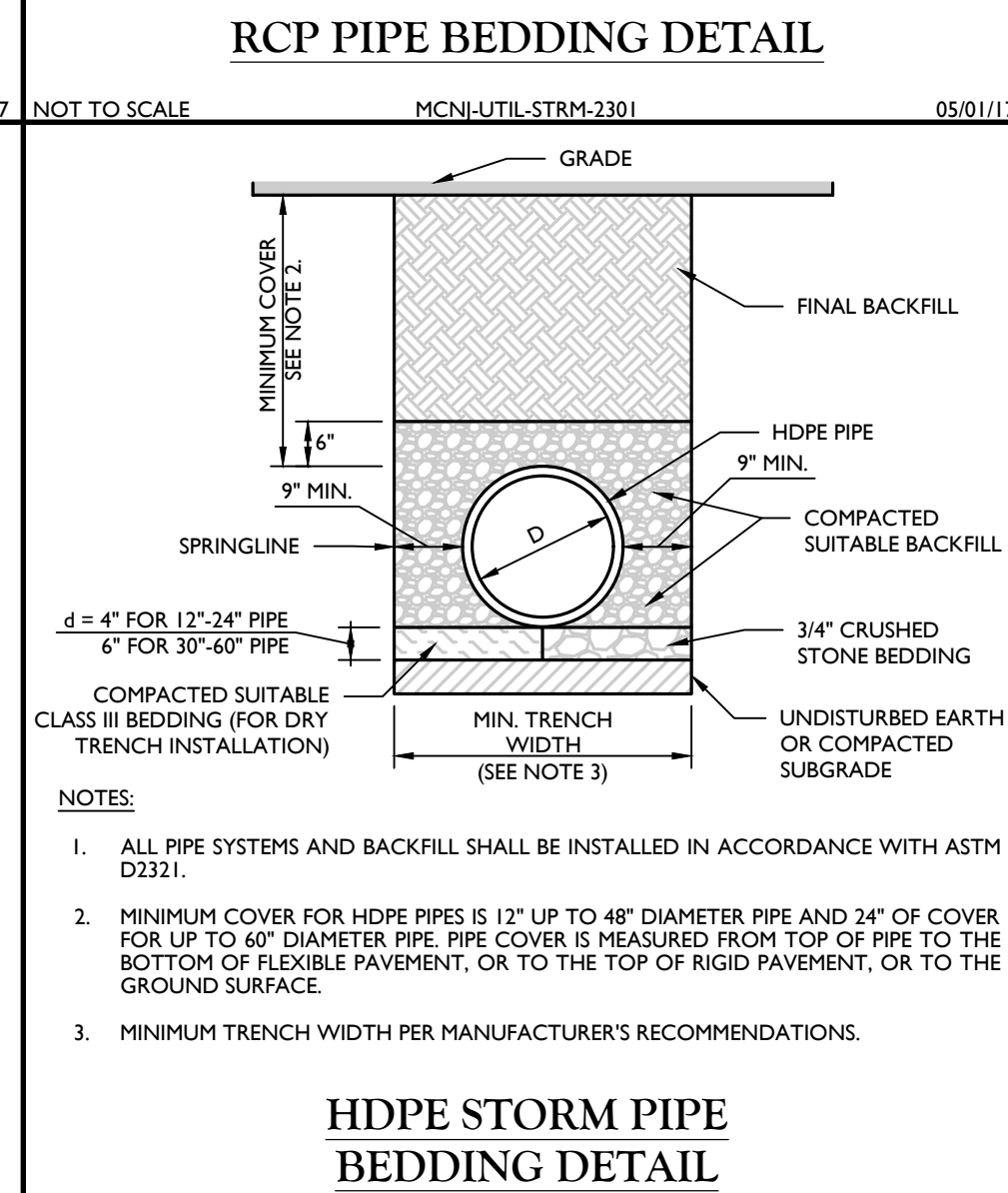
TYPE 'A' INLET DETAIL

NOT TO SCALE MCNJLUTL-STRM-1000 05/01/17



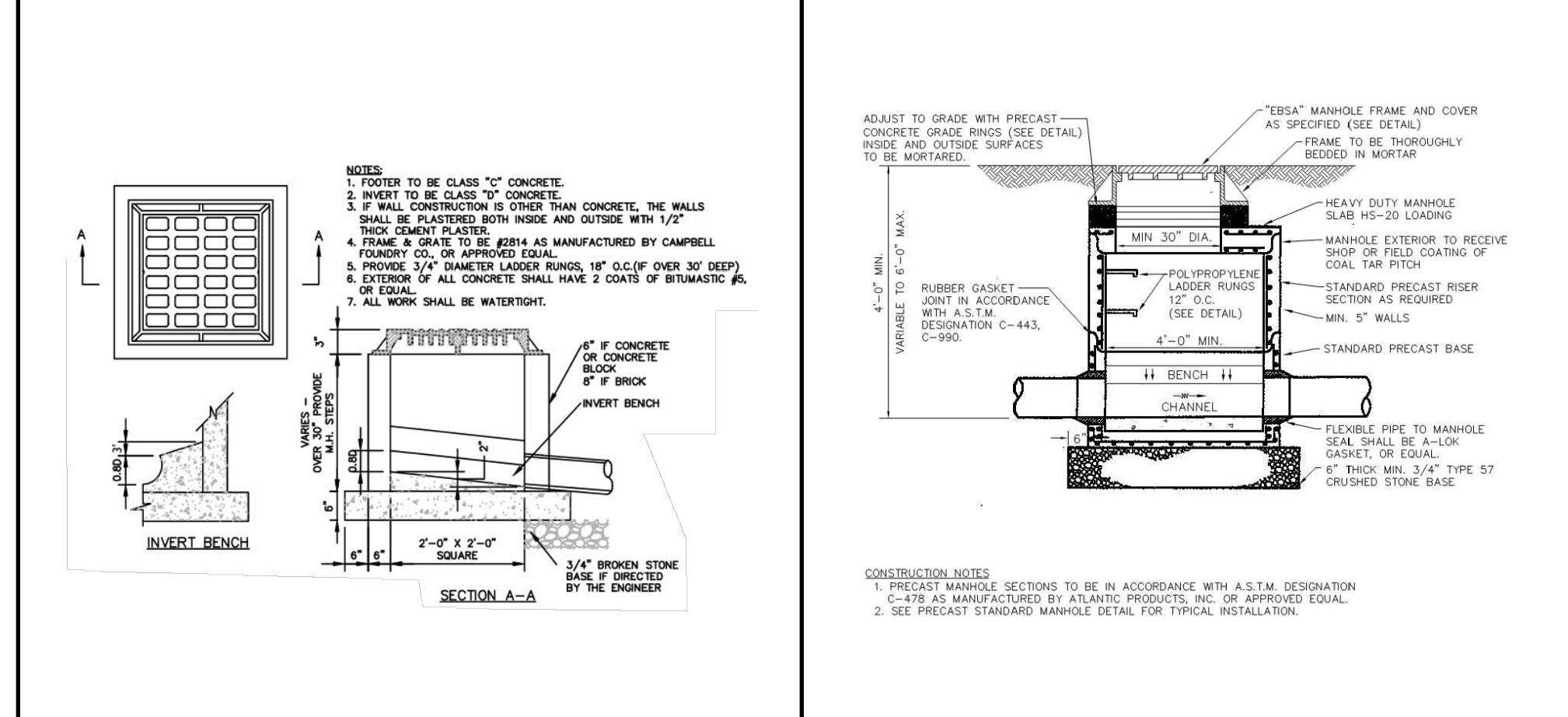
ADS ROOF DOWNSPOUT WITH WYE CLEANOUT DETAIL

NOT TO SCALE MCNJLUTL-STRM-1902 05/01/17



ROOF LEADER CLEANOUT DETAIL

NOT TO SCALE MCNJLUTL-STRM-1900 05/01/17



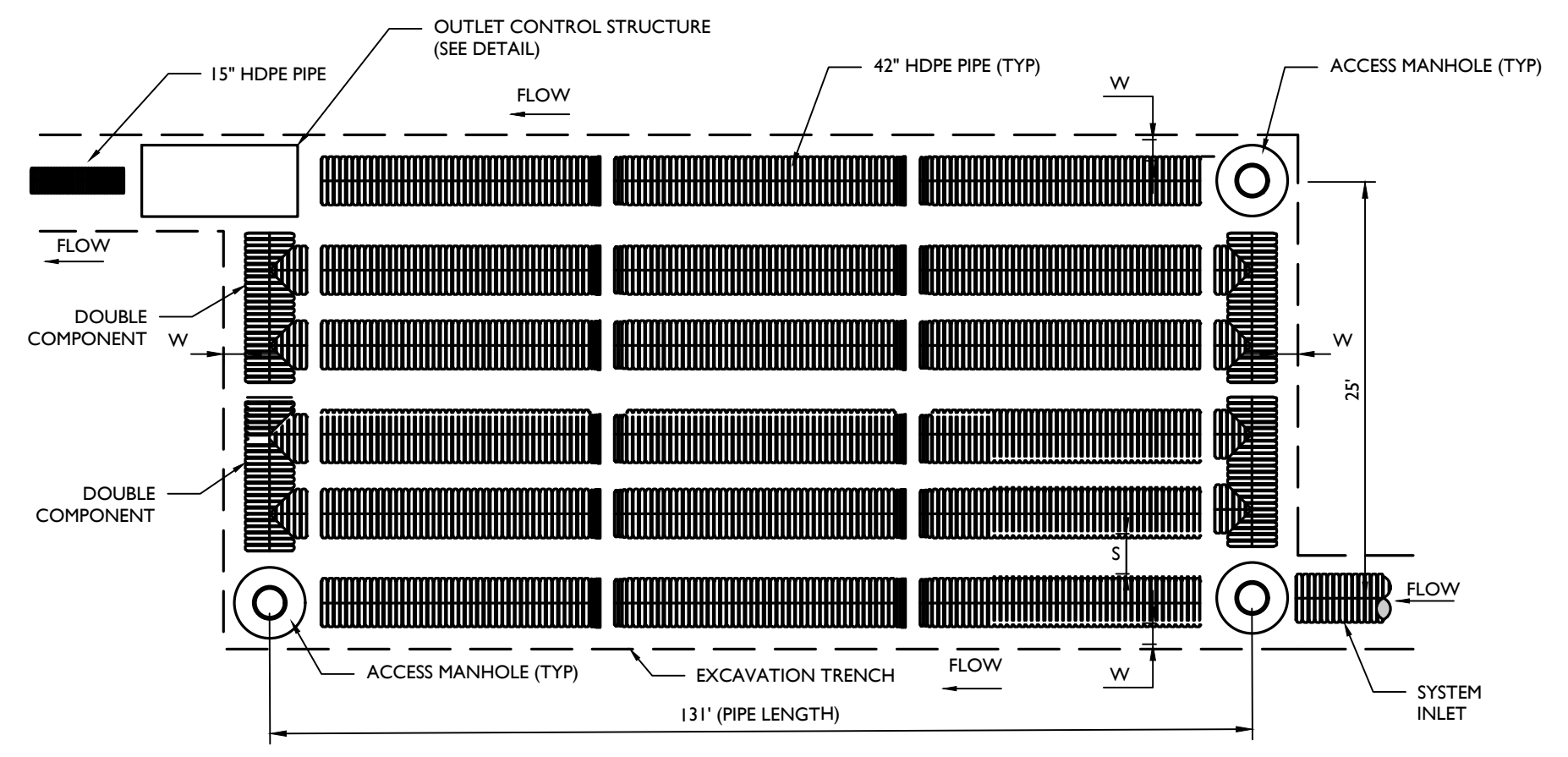
SHALLOW MANHOLE DETAIL

NOT TO SCALE GNBRLTSL-STDN-GRD 8/11/20

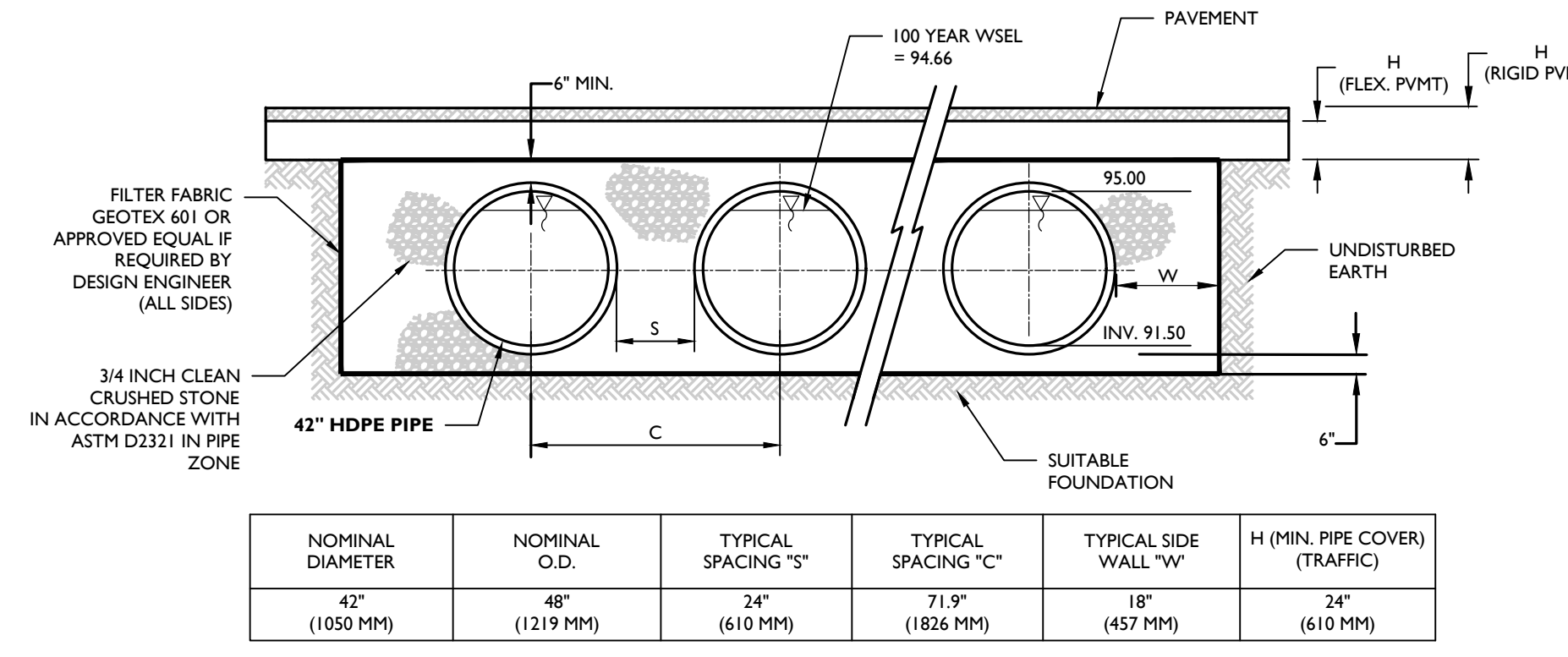
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PART NUMBER	WEIGHT (LBS)	FLOW RATE GPM	UPN	A	B	C	D	E	PRODUCT CLASS
DS-000	7.500	75	204	48"	3.988	3.988	5.504	5.760	2028
DS-001	7.524	75	204	48"	3.988	4.324	5.600	5.770	2028
DS-002	7.548	75	204	48"	4.324	4.660	5.600	5.780	2028
DS-003	7.572	75	204	48"	4.660	5.000	5.600	5.790	2028
DS-004	7.596	75	204	48"	5.000	5.340	5.600	5.790	2028
DS-005	7.620	75	204	48"	5.340	5.680	5.710	5.790	2028
DS-006	7.644	75	204	48"	5.680	6.020	5.740	5.790	2028
DS-007	7.668	75	204	48"	6.020	6.360	5.770	5.790	2028
DS-008	7.692	75	204	48"	6.360	6.700	5.800	5.790	2028
DS-009	7.716	75	204	48"	6.700	7.040	5.830	5.790	2028
DS-010	7.740	75	204	48"	7.040	7.380	5.860	5.790	2028
DS-011	7.764	75	204	48"	7.380	7.720	5.890	5.790	2028
DS-012	7.788	75	204	48"	7.720	8.060	5.920	5.790	2028
DS-013	7.812	75	204	48"	8.060	8.400	5.950	5.790	2028
DS-014	7.836	75	204	48"	8.400	8.740	5.980	5.790	2028
DS-015	7.860	75	204	48"	8.740	9.080	6.010	5.790	2028
DS-016	7.884	75	204	48"	9.080	9.420	6.040	5.790	2028
DS-017	7.908	75	204	48"	9.420	9.760	6.070	5.790	2028
DS-018	7.932	75	204	48"	9.760	10.100	6.100	5.790	2028
DS-019	7.956	75	204	48"	10.100	10.440	6.130	5.790	2028
DS-020	7.980	75	204	48"	10.440	10.780	6.160	5.790	2028
DS-021	7.998	75	204	48"	10.780	11.120	6.190	5.790	2028
DS-022	8.016	75	204	48"	11.120	11.460	6.220	5.790	2028
DS-023	8.034	75	204	48"	11.460	11.800	6.250	5.790	2028
DS-024	8.052	75	204	48"	11.800	12.140	6.280	5.790	2028
DS-025	8.070	75	204	48"	12.140	12.480	6.310	5.790	2028
DS-026	8.088	75	204	48"	12.480	12.820	6.340	5.790	2028
DS-027	8.106	75	204	48"	12.820	13.160	6.370	5.790	2028
DS-028	8.124	75	204	48"	13.160	13.500	6.400	5.790	2028
DS-029	8.142	75	204	48"	13.500	13.840	6.430	5.790	2028
DS-030	8.160	75	204	48"	13.840	14.180	6.460	5.790	2028
DS-031	8.178	75	204	48"	14.180	14.520	6.490	5.790	2028
DS-032	8.196	75	204	48"	14.520	14.860	6.520	5.790	2028
DS-033	8.214	75	204	48"	14.860	15.200	6.550	5.790	2028
DS-034	8.232	75	204	48"	15.200	15.540	6.580	5.790	2028
DS-035	8.250	75	204	48"	15.540	15.880	6.610	5.790	2028
DS-036	8.268	75	204	48"	15.880	16.220	6.640	5.790	2028
DS-037	8.286	75	204	48"	16.220	16.560	6.670	5.790	2028
DS-038	8.304	75	204	48"	16.560	16.900	6.700	5.790	2028
DS-039	8.322	75	204	48"	16.900	17.240	6.730	5.790	2028
DS-040	8.340	75	204	48"	17.240	17.580	6.760	5.790	2028
DS-041	8.358	75	204	48"	17.580	17.920	6.790	5.790	2028
DS-042	8.376	75	204	48"	17.920	18.260	6.820	5.790	2028
DS-043	8.394	75	204	48"	18.260	18.600	6.850	5.790	2028
DS-044	8.412	75	204	48"	18.600	18.940	6.880	5.790	2028
DS-045	8.430	75	204	48"	18.940	19.280	6.910	5.790	2028
DS-046	8.448	75	204	48"	19.280	19.620	6.940	5.790	2028
DS-047	8.466	75	204	48"	19.620	19.960	6.970	5.790	2028
DS-048	8.484	75	204	48"	19.960	20.300	7.000	5.790	2028
DS-049	8.502	75	204	48"	20.300	20.640	7.030	5.790	2028
DS-050	8.520	75	204	48"	20.640	20.980	7.060	5.790	2028
DS-051	8.538	75	204	48"	20.980	21.320	7.090	5.790	2028
DS-052	8.556	75	204	48"	21.320	21.660	7.120	5.790	2028
DS-053	8.574	75	204	48"	21.660	22.000	7.150	5.790	2028
DS-054	8.592	75	204	48"	22.000	22.340	7.180	5.790	2028
DS-055	8.610	75	204	48"	22.340	22.680	7.210	5.790	2028
DS-056	8.628	75	204	48"	22.680	23.020	7.240	5.790	2028
DS-057	8.646	75	204	48"	23.020	23.360	7.270	5.790	2028
DS-058	8.664	75	204	48"	23.360	23.700	7.300	5.790	2028
DS-059	8.682	75	204	48"	23.700	24.040	7.330	5.790	2028
DS-060	8.700	75	204	48"	24.040	24.380	7.360	5.790	2028
DS-061	8.718	75	204	48"	24.380	24.720	7.390	5.790	2028
DS-062	8.736	75	204	48"	24.720	25.060	7.420	5.790	2028
DS-063	8.754	75	204	48"	25.060	25.400	7.450	5.790	2028
DS-064	8.772	75	204	48"	25.400	25.740	7.480	5.790	2028
DS-065	8.790	75	204	48"	25.740	26.080	7.510	5.790	2028
DS-066	8.808	75	204	48"	26.080	26.420	7.540	5.790	2028
DS-067	8.826	75	204	48"	26.420	26.760	7.570	5.790	2028
DS-068	8.844	75	204	48"	26.760	27.100	7.600	5.790	2028
DS-069	8.862	75	204	48"	27.100	27.440	7.630	5.790	2028
DS-070	8.880	75	204	48"	27.440	27.780	7.660	5.790	2028
DS-071	8.898	75	204	48"	27.780	28.120	7.690	5.790	2028
DS-072	8.916	75	204	48"	28.120	28.460	7.720	5.790	2028
DS-073	8.934	75	204	48"	28.460	28.800	7.750	5.790	2028
DS-074	8.952								



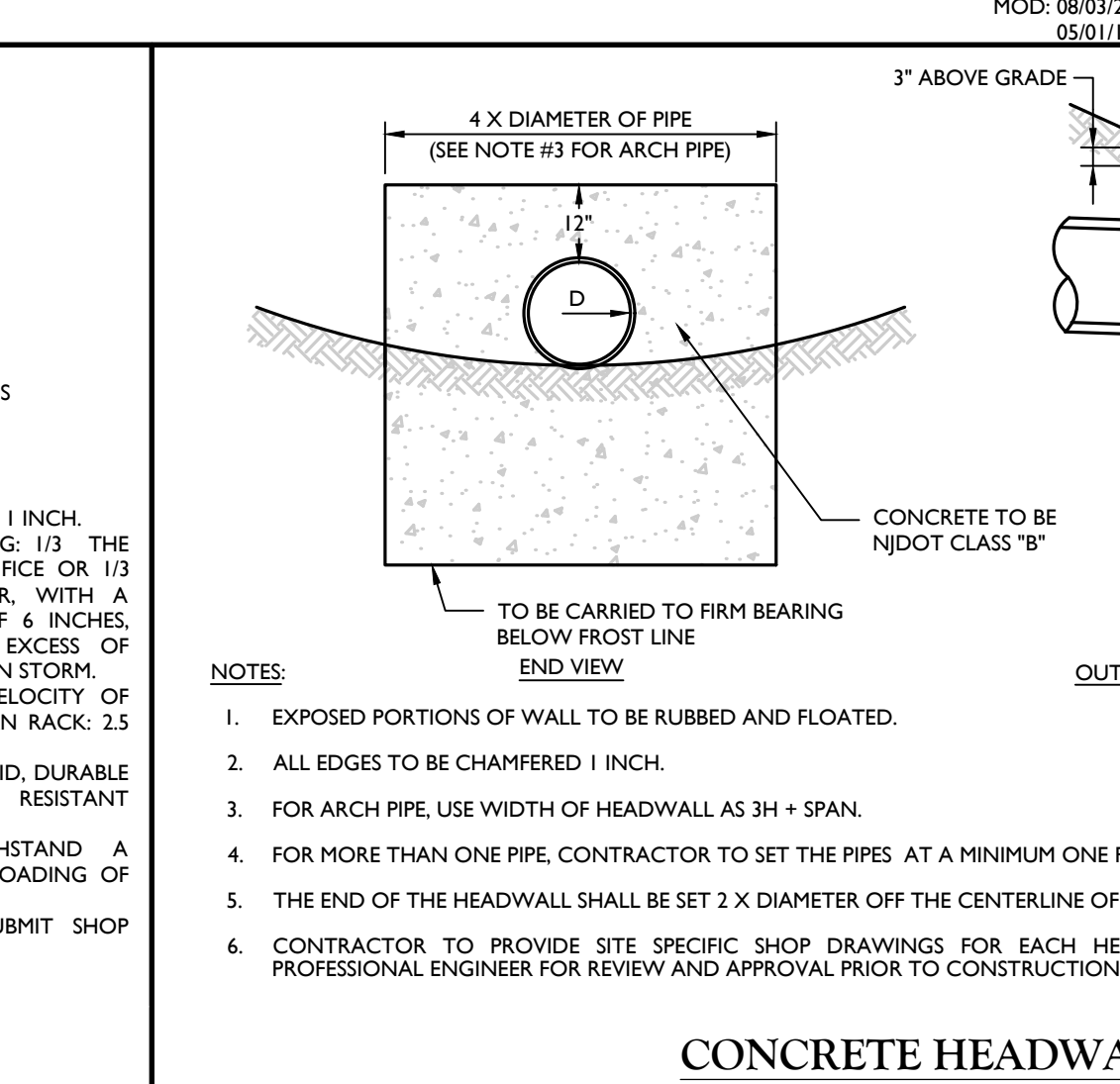
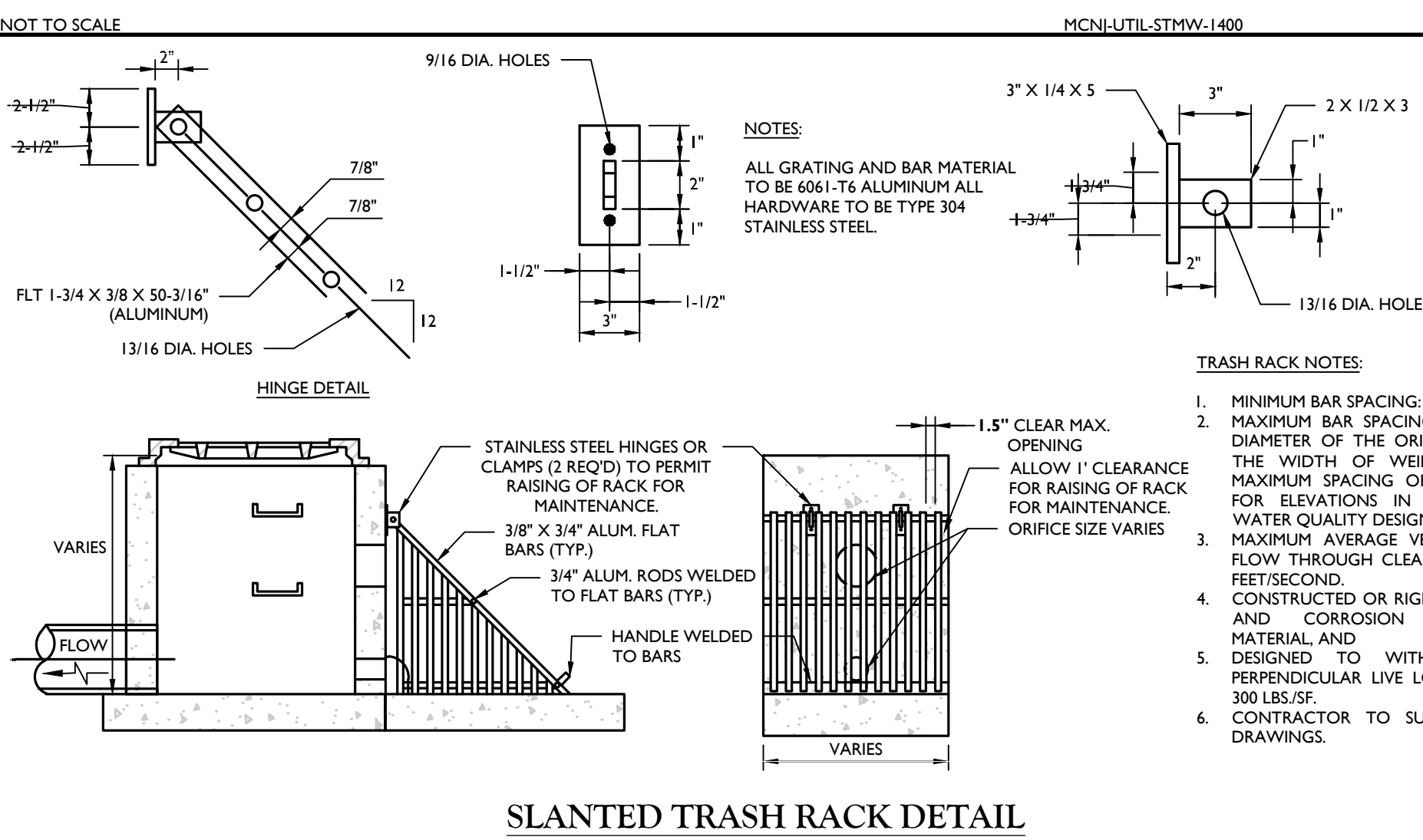
- UNDERGROUND HDPE SYSTEM NOTES:**
- ALL REFERENCES TO CLASS I OR II MATERIAL ARE PER ASTM D2321 "STANDARD PRACTICE FOR UNDERGROUND INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY FLOW APPLICATIONS", LATEST EDITION.
 - ALL RETENTION AND DETENTION SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2321, LATEST EDITION AND THE MANUFACTURER'S PUBLISHED INSTALLATION GUIDELINES.
 - MEASURES SHOULD BE TAKEN TO PREVENT THE MIGRATION OF NATIVE FINES INTO THE BACKFILL MATERIAL, WHEN REQUIRED, SEE ASTM D2321.
 - FILTER FABRIC: A GEOTEXTILE FABRIC MAY BE USED AS SPECIFIED BY THE ENGINEER TO PREVENT THE MIGRATION OF FINES FROM THE NATIVE SOIL INTO THE SELECT BACKFILL MATERIAL.
 - FOUNDATION: WHERE THE TRENCH BOTTOM IS UNSTABLE, THE CONTRACTOR SHALL EXCAVATE TO A DEPTH REQUIRED BY THE ENGINEER AND REPLACE WITH SUITABLE MATERIAL AS SPECIFIED BY THE ENGINEER. THE TRENCH BOTTOM MAY BE STABILIZED USING A GEOTEXTILE MATERIAL.
 - BEDDING: SUITABLE MATERIAL SHALL BE CLASS I OR II. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER, UNLESS OTHERWISE NOTED BY THE ENGINEER. MINIMUM BEDDING THICKNESS SHALL BE 4" FOR 4"-24" HDPE PIPE, 6" FOR 30"-60" HDPE PIPE.
 - INITIAL BACKFILL: SUITABLE MATERIAL SHALL BE CLASS I OR II IN THE PIPE ZONE EXTENDING NOT LESS THAN 6' ABOVE CROWN OF PIPE. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. MATERIAL SHALL BE INSTALLED AS REQUIRED IN ASTM D2321, LATEST EDITION.
 - MINIMUM COVER: MINIMUM COVER OVER ALL RETENTION/DETENTION SYSTEMS IN NON-TRAFFIC APPLICATIONS (GRASS OR LANDSCAPE AREAS) IS 12" FROM TOP OF PIPE TO GROUND SURFACE. ADDITIONAL COVER MAY BE REQUIRED TO PREVENT FLOATION. FOR TRAFFIC APPLICATIONS, MINIMUM COVER IS 12" UP TO 36" DIAMETER PIPE AND 24" OF COVER FOR 42" - 60" DIAMETER PIPE, MEASURED FROM TOP OF PIPE TO BOTTOM OF FLEXIBLE PAVEMENT OR TO TOP OF RIGID PAVEMENT.



- NOTES:**
- SEE ABOVE CHART SPECIFIC TO MATERIAL/PIPE SIZES PER MANUFACTURER'S SPECIFICATIONS.
 - (H) FOR FLEXIBLE PAVEMENT MAY INCLUDE THE PAVEMENT SUBBASE THICKNESS AS MINIMUM COVER.
 - CLASS I/A BACKFILL MATERIAL PER ASTM 2321 REQUIRED FOR PIPES 60" DIAMETER OR LARGER.

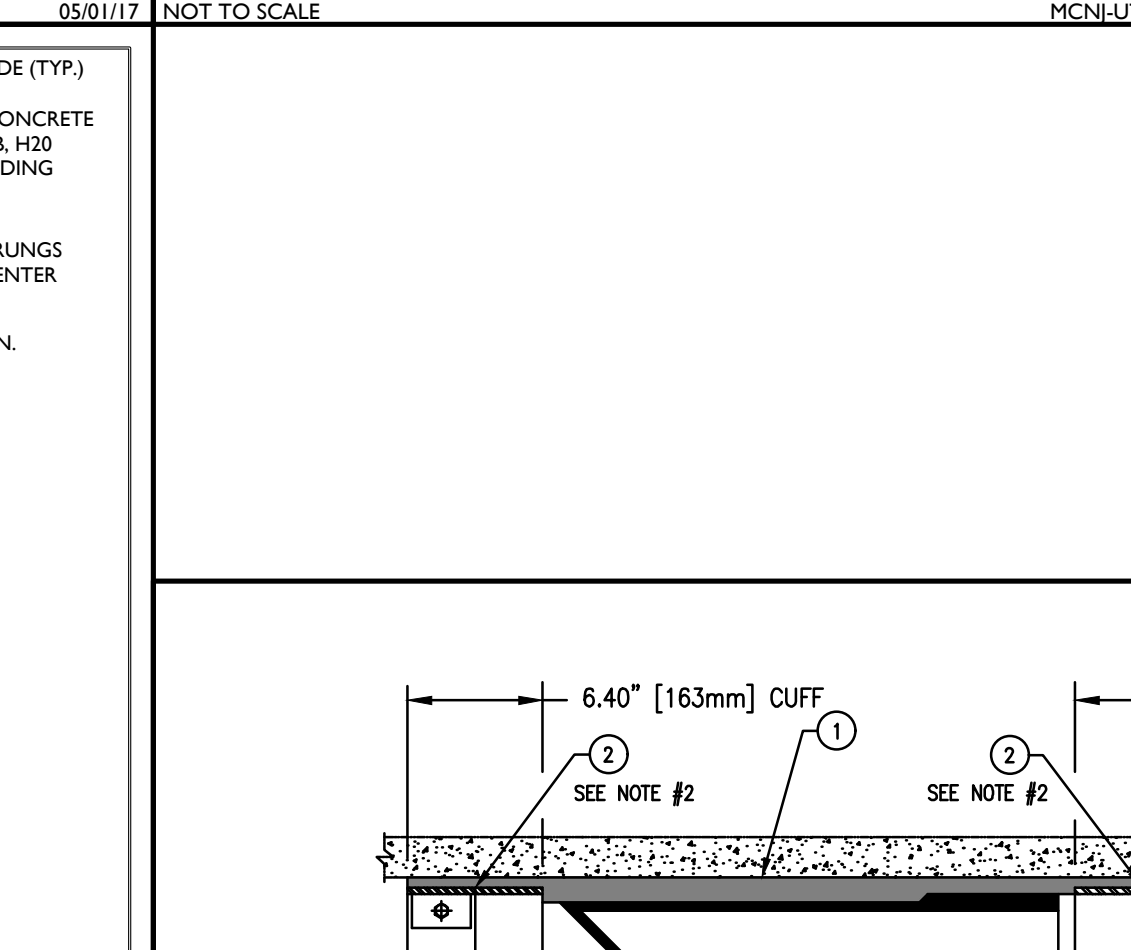
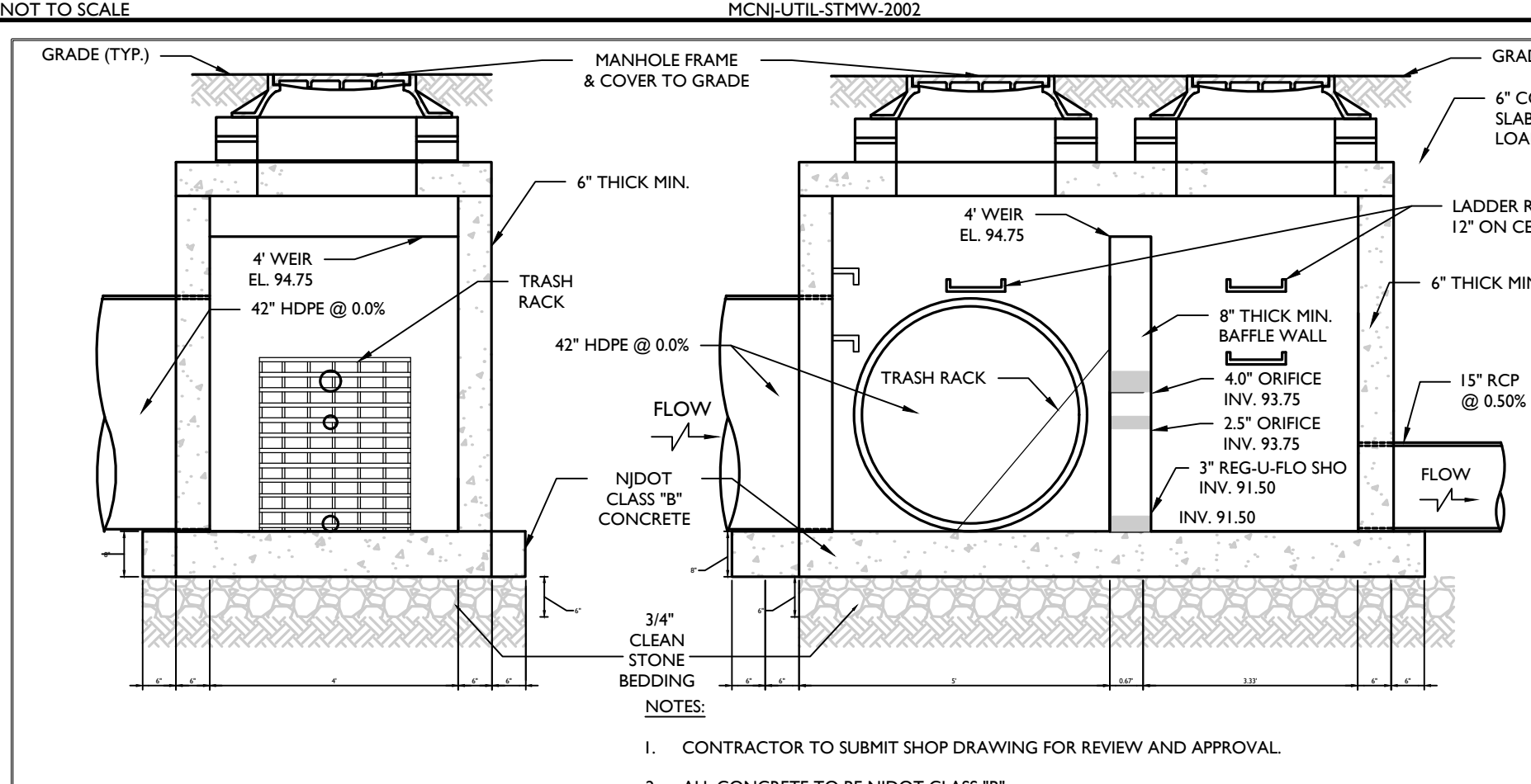
NOMINAL DIAMETER	NOMINAL O.D.	TYPICAL SPACING "S"	TYPICAL SPACING "C"	TYPICAL SIDE WALL "W"	H (MIN. PIPE COVER) (TRAFFIC)
42"	48"	24"	71.9"	18"	24"
(1050 MM)	(1219 MM)	(610 MM)	(1826 MM)	(457 MM)	(610 MM)

UNDERGROUND DETENTION BASIN (CLOSED SYSTEM) DETAIL



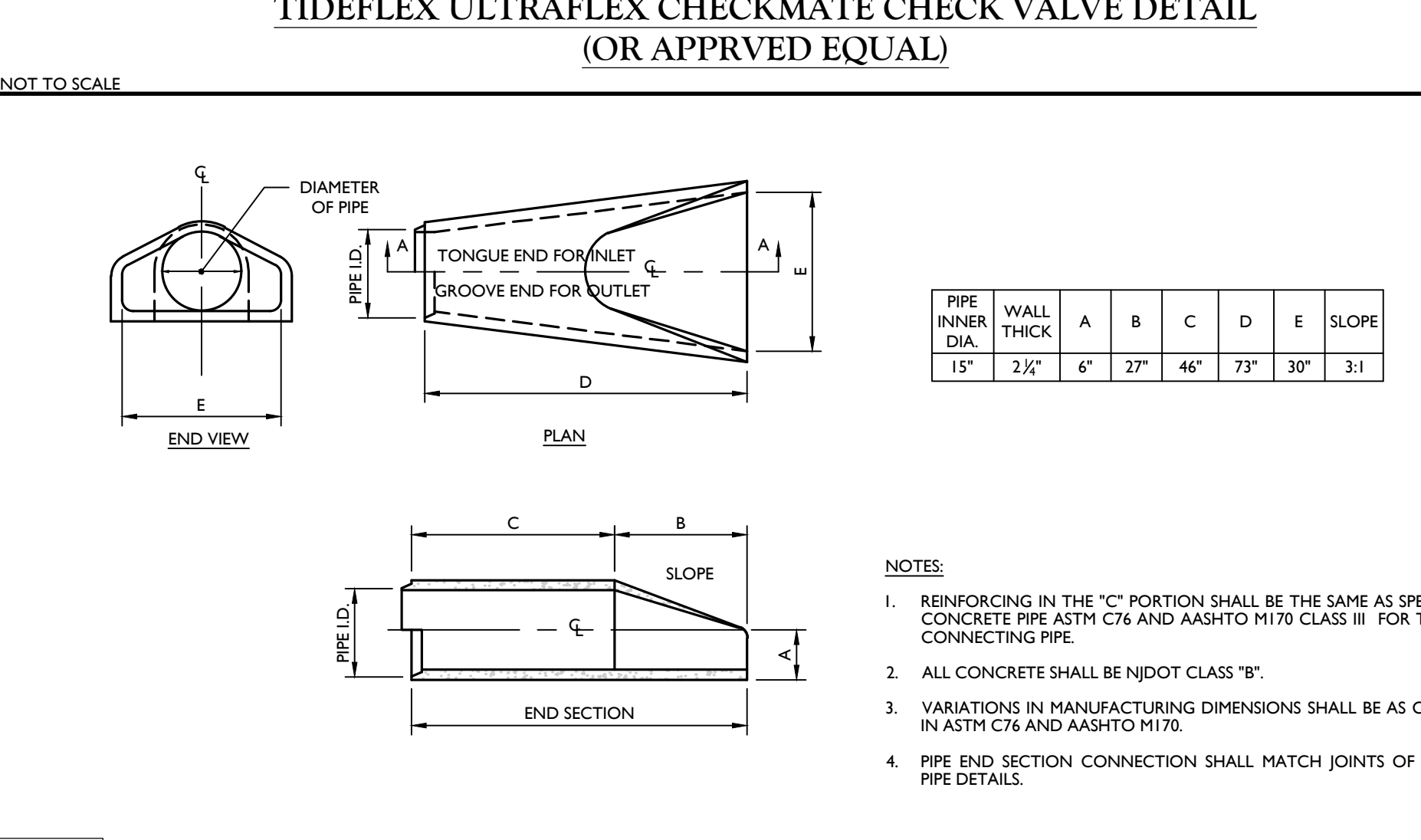
SLANTED TRASH RACK DETAIL

CONCRETE HEADWALL (STRAIGHT) DETAIL

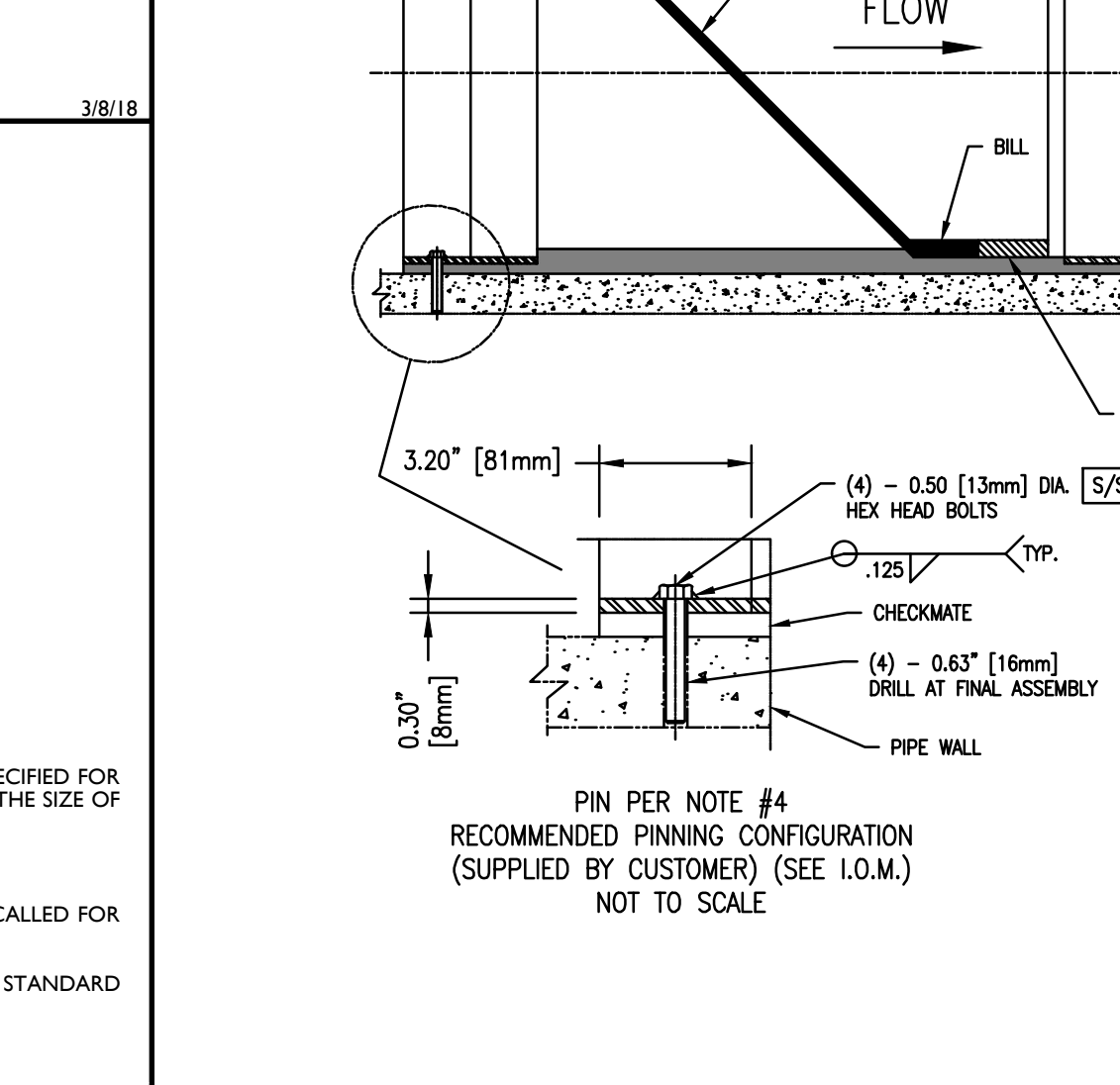


TIDEFLEX ULTRAFLEX CHECKMATE CHECK VALVE DETAIL (OR APPROVED EQUAL)

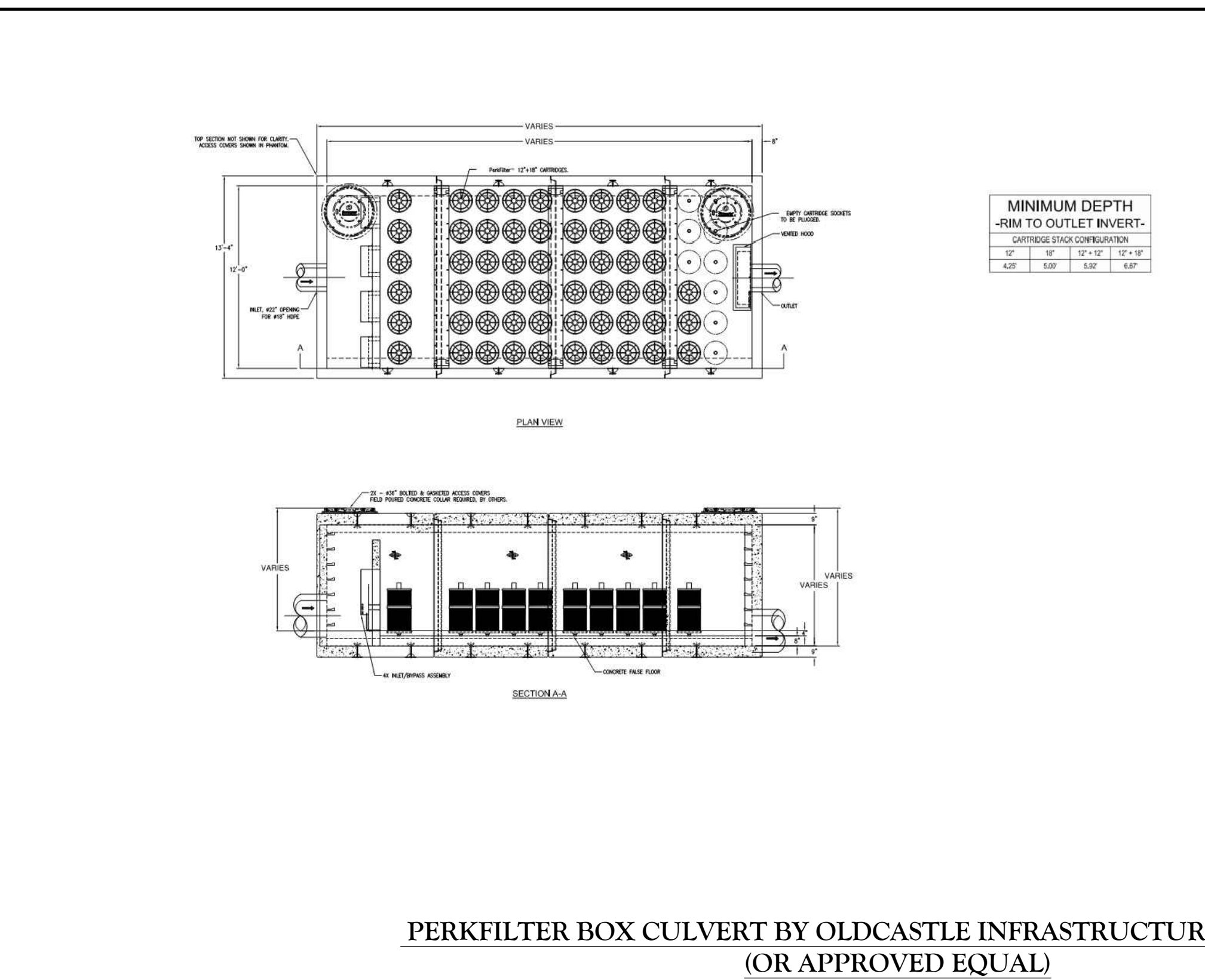
TIDEFLEX ULTRAFLEX CHECKMATE CHECK VALVE DETAIL (OR APPROVED EQUAL)



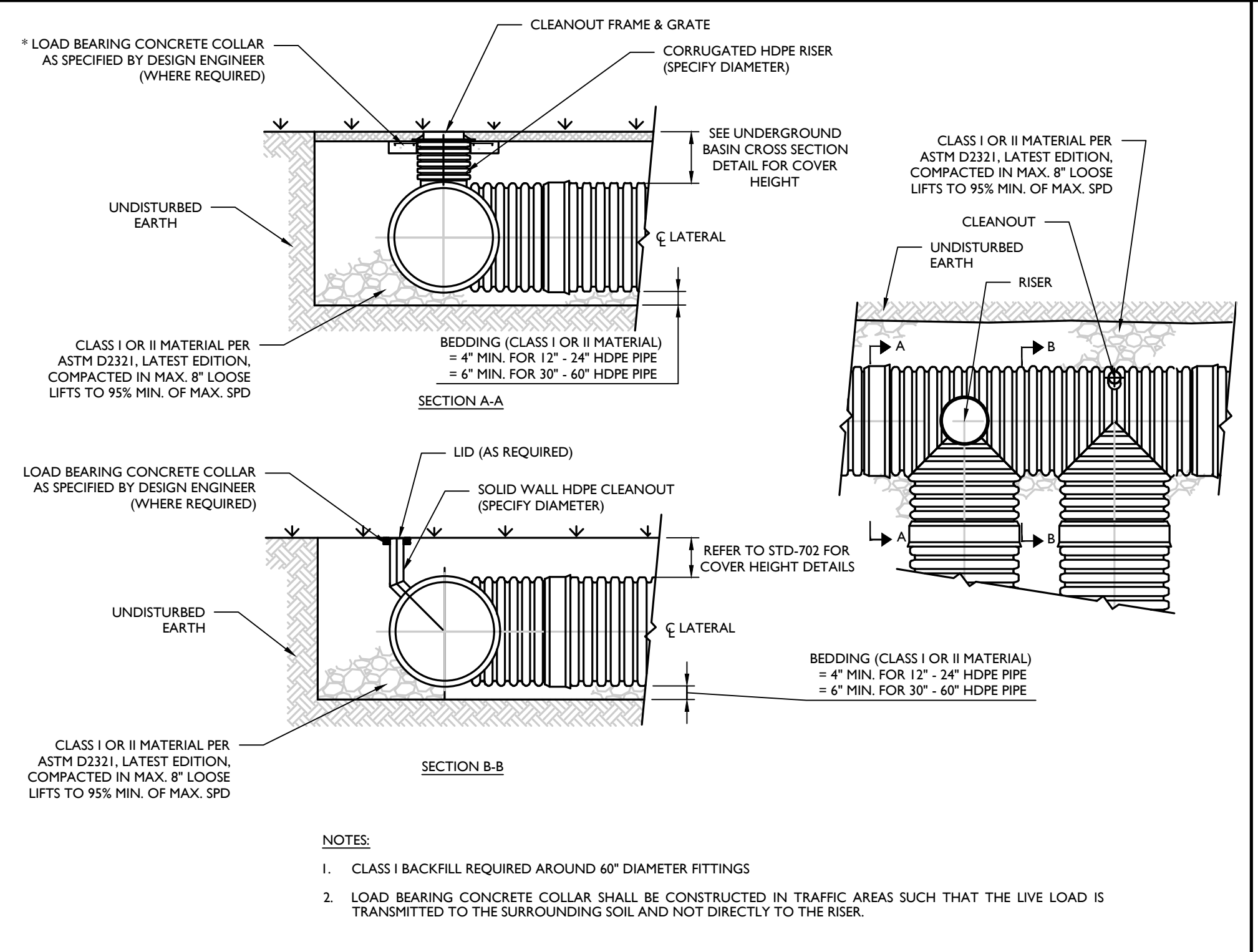
CONCRETE FLARED END SECTION DETAIL



TIDEFLEX ULTRAFLEX CHECKMATE CHECK VALVE DETAIL (OR APPROVED EQUAL)



PERFILTER BOX CULVERT BY OLDCASTLE INFRASTRUCTURE MTD DETAIL (OR APPROVED EQUAL)



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REV	DATE	DRAWN BY	DESCRIPTION

Yosef Portnoy
YOSEF PORTNOY
 NEW JERSEY PROFESSIONAL ENGINEER - LICENSE NUMBER: GE53583

PRELIMINARY & FINAL MAJOR SITE PLAN FOR PRC HIGHTSTOWN

BLOCK 8, LOT 12, BLOCK 21
 LOTS 1-14, 20 & 26, BLOCK 30, LOTS 1-7 & 10-13

BOROUGH OF HIGHTSTOWN
 MERCER COUNTY
 NEW JERSEY

RED BANK OFFICE
 Corporate Headquarters
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 Suite 203
 Red Bank, NJ 07071
 Phone: 732.383.1950
 Fax: 732.383.1984

SCALE	DATE	DRAWN BY	CHECKED BY
AS SHOWN	8/14/20	RT	YP
PROJECT NUMBER:	160010948	DRAWING NAME:	C-DT15
SHEET TITLE:	CONSTRUCTION DETAILS		
SHEET NUMBER:	30 of 30		