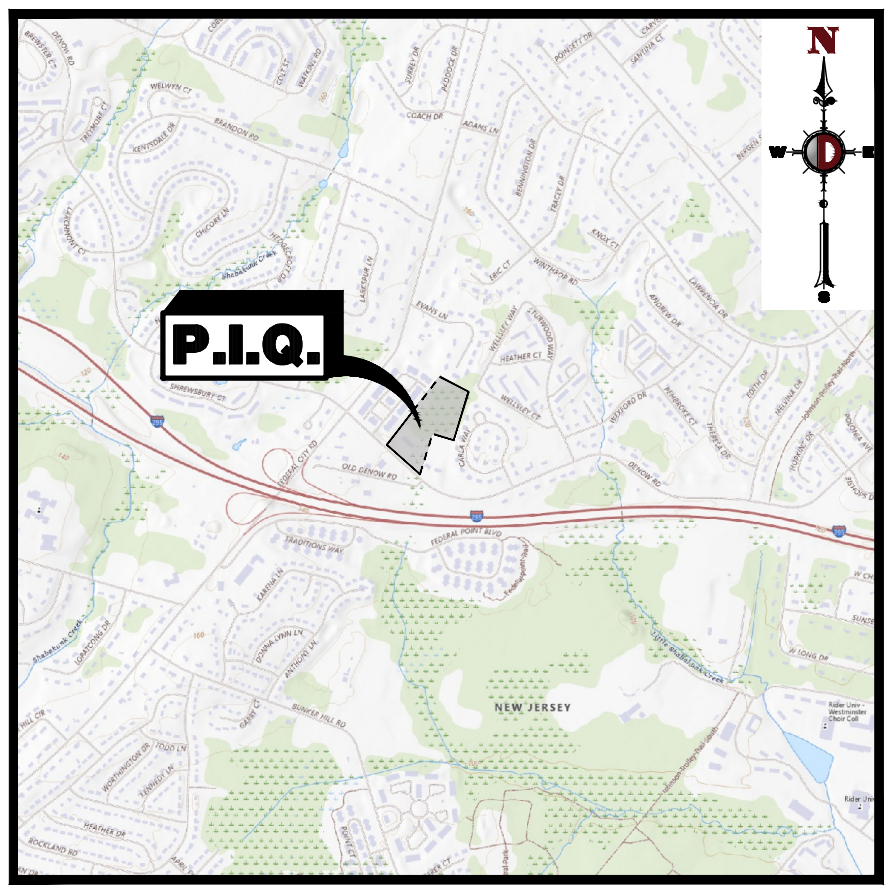
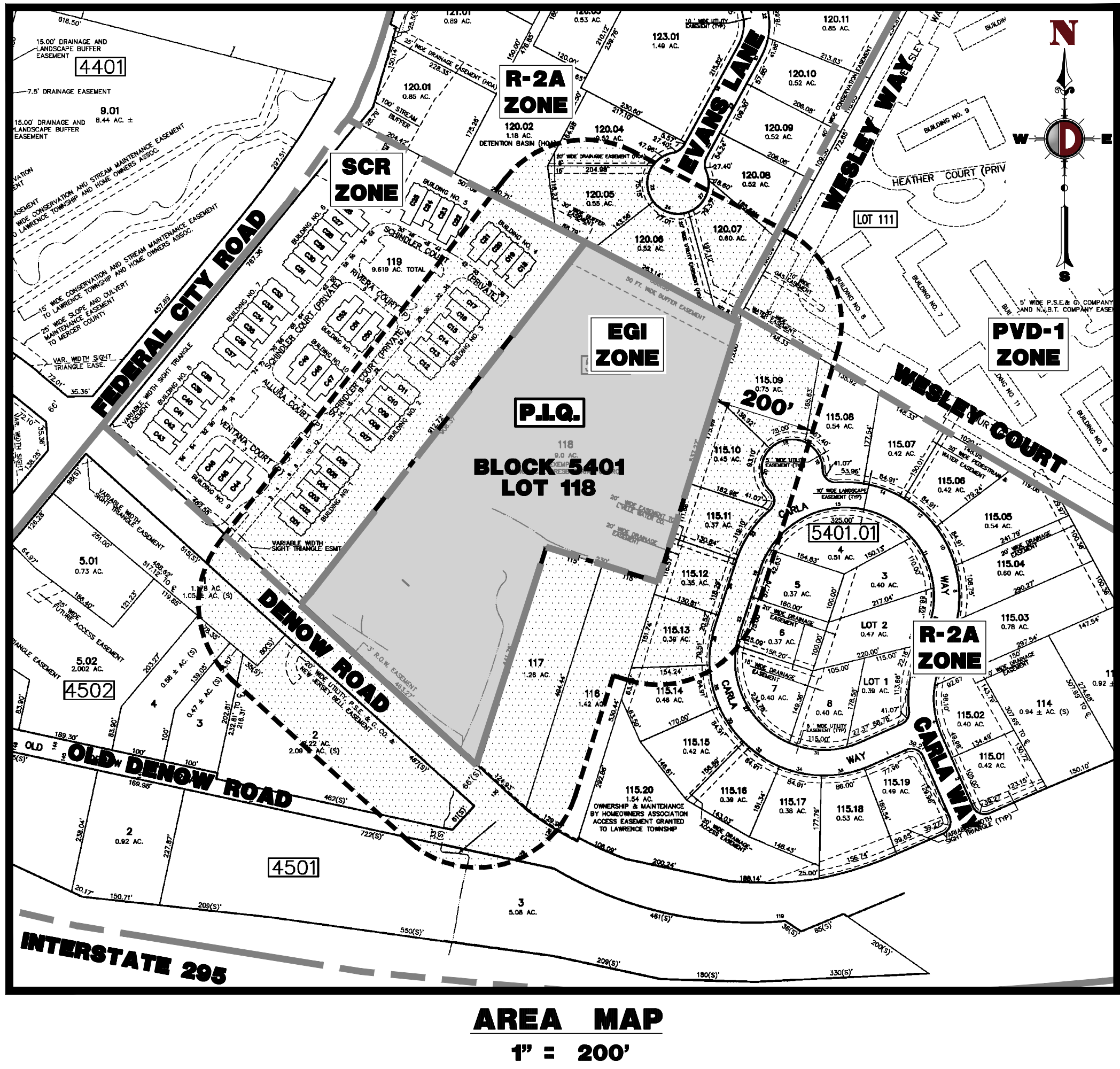


PRELIMINARY AND FINAL SITE PLAN
FOR
HOPE PRESBYTERIAN CHURCH
PROPOSED SANCTUARY ADDITION
BLOCK 5401, LOT 118; TAX MAP SHEET #54 - LATEST REV. DATED 01-01-2014
140 DENOW ROAD
TOWNSHIP OF LAWRENCE
MERCER COUNTY, NEW JERSEY

200' PROPERTY OWNERS LIST

Table with 6 columns: PROPERTY OWNER, BLOCK, LOT, PROPERTY OWNER, BLOCK, LOT. Lists property owners for Block 5401 and Block 120.02.

ALSO TO BE NOTED:
CORPORATE SECRETARY
EMVING-LAWRENCE, SEWERAGE AUTHORITY
LAWRENCE TOWNSHIP, NJ 08648
R-2A ZONE
SCR ZONE
EGI ZONE
P.I.Q.
BLOCK 5401 LOT 118
PVD-1 ZONE
KEY MAP
1" = 2000'



DRAWING INDEX
Table listing drawing sheets and their corresponding page numbers.

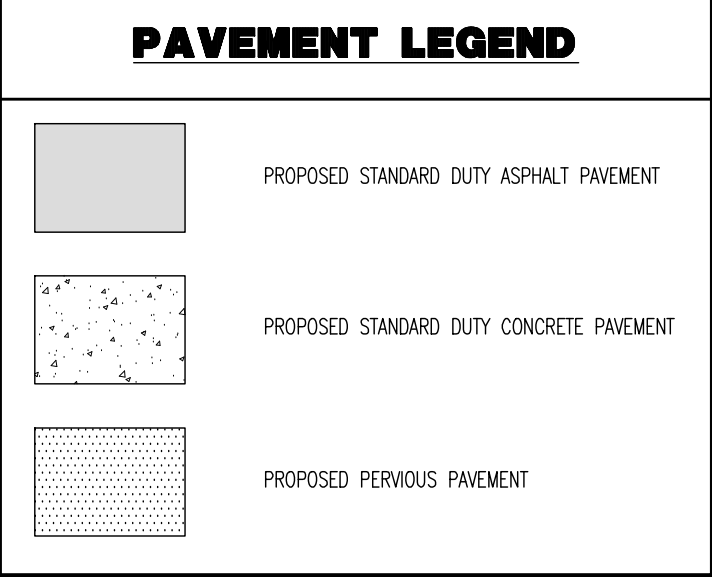
PLANNING BOARD APPROVAL

APPROVED BY THE PLANNING BOARD OF THE TOWNSHIP OF LAWRENCE, MERCER COUNTY, NEW JERSEY

Table for Planning Board Approval with columns for Chairman, Secretary, and Board Engineer, each with a line for signature and date.

PREPARED BY
DYNAMIC ENGINEERING CONSULTANTS, P.C.
1904 MAIN STREET
LAKE COMO, NJ 07719
WWW.DYNAMICCEC.COM

Dynamic Engineering Consultants, P.C. logo and contact information.
Project: HOPE PRESBYTERIAN CHURCH PROPOSED SANCTUARY ADDITION
Project No: 6201-26-00267
SHEET No: 1
Rev. #: 1
Date: 05/19/2026



ZONE REQUIREMENT	ZONE E61	EXISTING	PROPOSED
MINIMUM LOT AREA	5 Ac.	393,010 SF (9.0 AC)	393,010 SF (9.0 AC)
MINIMUM LOT WIDTH	300 FT	426.3 FT	426.3 FT
MINIMUM LOT FRONTAGE	300 FT	463.3 FT	463.3 FT
MINIMUM LOT DEPTH	600 FT	948.7 FT	948.7 FT
MINIMUM FRONT YARD SETBACK			
- BUILDING	100 FT	137.3 FT	134.3 FT
- ACCESSORY	75 FT	206.1 FT	206.1 FT
MINIMUM REAR YARD SETBACK			
- BUILDING	100 FT	728.3 FT	636.0 FT
- ACCESSORY	75 FT	596.4 FT	596.4 FT
MINIMUM SIDE YARD SETBACK			
- BUILDING	100 FT	101.3 FT	101.3 FT
- ACCESSORY	75 FT	123.4 FT	123.4 FT
MAXIMUM BUILDING HEIGHT WITHIN 500' FT OF TRACT PERIMETER	50 FT	18.6 FT	<50 FT
MAXIMUM BUILDING HEIGHT IN EXCESS OF 500' FT OF TRACT PERIMETER	80 FT	N/A	N/A
MAXIMUM ACCESSORY BUILDING HEIGHT	30 FT	<30 FT	<30 FT
MAXIMUM IMPERVIOUS COVERAGE	60 %	7.4% (29,105 SF)	14.0% (54,908 SF)
MAXIMUM FLOOR AREA RATIO	0.20 (1)	0.02	0.03 (11,338 SF)

(1) EXCEPT AS MAY BE MODIFIED BY § 426-0.

(E) EXISTING NON-CONFORMANCE (V) VARIANCE

PARKING REQUIREMENTS

- A MINIMUM WIDTH OF LANDSCAPE SPACES SHALL BE EIGHT FEET.
- LANDSCAPED ISLANDS SHALL BE PLANTED WITH A COMBINATION OF DECIDUOUS TREES, EVERGREEN AND DECIDUOUS SHRUBS, AND GROUND COVER AT THE RATE OF 6 LARGE OR MEDIUM TREES, 8 SMALL OR ORNAMENTAL TREES AND 80 SHRUBS PER 100 LINEAL FEET ALONG THE LONG AXIS OF THE ISLAND (§ 525.1.1).
- PARKING AND LOADING AREAS SHALL BE SCREENED BY A COMBINATION OF BERRIES, HEDGES, FENCES OR WALLS. THE MINIMUM SCREENTH HEIGHT AT PLANTING SHALL BE 3 FEET AND SHALL HAVE A HEIGHT OF AT LEAST 4 FEET WITHIN THREE YEARS OF INSTALLATION (§ 525.1.3).
- MORE THAN TWENTY (20) PARKING SPACES SHALL BE PLACED IN ONE ROW OF PARKING WITHOUT AN INTERVENING LANDSCAPING ISLAND (§ 525.1.5). (V)
- ALL REQUIRED OFF-STREET PARKING SPACES SHALL BE LOCATED ON THE SAME LOT OR PREMISES AS THE USE SERVED (§ 520.B.9).
- FOR INSTITUTIONS, PUBLIC WORKS, PARKING SPACES SHALL BE NINE (9) FEET BY EIGHTEEN (18) FEET (§ 520.C.1).
- PARKING LOTS SHALL BE SET BACK FROM ALL LOT LINES A MINIMUM OF 25 FEET UNLESS A LARGER setback IS REQUIRED; PARKING SHALL NOT BE PERMITTED TO BE LOCATED IN ANY REQUIRED LANDSCAPING BUFFER (§ 520.F.7). (V)
- SETBACK FOR REMOVALS SHALL BE DETERMINED BY THE DEPARTMENT OF A PUBLIC STREET AND FROM THE CURBLINE OF A PRIVATE STREET TO THE NEAREST PARKING SPACE (§ 520.F.7).
- FOR UNDEVELOPED PLOTS, THE MAXIMUM DISTANCE FROM THE BUILDING SHALL BE ONE HUNDRED (100) FT. (§ 520.I.1).
- FOR ACCESSIBLE AND VISITOR PARKING, THE MAXIMUM DISTANCE FROM THE BUILDING SHALL BE FOUR HUNDRED (400) FT. (§ 520.I.1).
- DIRECT ACCESS TO AN OFF-STREET PARKING AREA FROM A PUBLIC OR PRIVATE STREET, OR AN INTERNAL COLLECTOR ROAD IS ENCOURAGED (§ 520.J.1).
- WHERE SIDEWALKS OCCUR IN PARKING AREAS, PARKED VEHICLES SHALL NOT OVERLAP OR EXTEND OVER THE SIDEWALK UNLESS AN ADDITIONAL 2 FEET IN WIDTH IS PROVIDED IN ORDER TO ACCOMMODATE SUCH OVERLAPPING (§ 520.K.1).
- OFF-STREET PARKING REQUIREMENTS:

HOUSE OF WORSHIP (≥ 500-72 SEATS TABLE 5.10) [500 SEATS]* MIN. PARKING SPACES / SEAT (EACH 21 IN. OF BENCH = 1 SEAT)	= 120 SPACES REQUIRED
MINIMUM ELECTRIC VEHICLE CHARGING STATION (EVSE) REQUIREMENTS BY USE PER P.L. 2021, C. 171 (BILL S3223).	
NON-RESIDENTIAL (101-150 PROPOSED SPACES)	= 4 EVSE SPACES REQUIRED
	= 12 EVSE SPACES PROPOSED (C)
EVEP PARKING CREDIT* LESSER OF EVSE SPACES OR MAX CREDIT [120 ORD. RED. SPACES X 10%]	(= 12 SPACES)
	= 12 SPACES
TOTAL EFFECTIVE PARKING REQUIREMENT	= 108 PARKING SPACES REQUIRED (120-12)
TOTAL PARKING PROPOSED ON-SITE	= 108 ON-SITE PARKING SPACES (C)

* PER P.L. 2021, C. 171(BILL S3223), A PARKING SPACE PREPARED WITH ELECTRIC VEHICLE SUPPLY EQUIPMENT OR MAKE-WARE EQUIPMENT SHALL COUNT AS AT LEAST TWO PARKING SPACES FOR THE PURPOSE OF COMPLIING WITH A MINIMUM PARKING SPACE REQUIREMENT.
 RESULTING IN A REDUCTION OF NO MORE THAN 10 PERCENT OF THE TOTAL REQUIRED PARKING.

ELECTRIC VEHICLE SUPPLY EQUIPMENT (EVSE) CHARGING LOCATIONS ARE INDICATED HEREIN FOR MATERIAL CONSTRUCTION PURPOSES ONLY THESE PLANS DO NOT INCLUDE ELECTRICAL DESIGN OR ELECTRICAL SERVICE TO THOSE LOCATIONS OR TO THE FUTURE MAKE-WARE READY CHARGE LOCATION. ALL ELECTRICAL DESIGN SHALL BE PERFORMED BY AN LICENSED ELECTRICAL ENGINEERING CONSULTANT. THE OWNER/CLIENT/APPLICANT SHALL SELECT THE TYPE OF CHARGING EQUIPMENT TO BE INSTALLED. IF SPECIFIED CHARGING EQUIPMENT IS NOT AVAILABLE, THE APPLICANT SHALL SUBMIT AN AMENDED PLAN WITH ASSOCIATED ACCESSIBILITY LOCATIONS IT IS CONFORM TO ALL APPROPRIATE ACCESSIBILITY STANDARDS.

ELECTRICAL DESIGNING COMPANY SHALL PROVIDE ELECTRICAL DRAWINGS FOR THE PROJECT. THIS DOCUMENT DOES NOT REPRESENT THE ELECTRICAL DESIGNING COMPANY'S RESPONSIBILITY TO COORDINATE ELECTRICAL EQUIPMENT OR RESULTING ELECTRICAL SYSTEM WITH THE PROJECT. THE ELECTRICAL DESIGNING COMPANY SHALL BE CONTACTED THROUGH EMPLOYERS TO COORDINATE ELECTRICAL EQUIPMENT OR RESULTING ELECTRICAL SYSTEM WITH THE PROJECT.

[illegible]

FENCE REQUIREMENTS

A. FENCES SHALL BE LIMITED TO 8 FEET IN HEIGHT. (S 542-4) (C)

B. WALLS SHALL BE LIMITED TO 6 FEET IN HEIGHT. (S 542-4) (C)

C. ALL PERMITTED FENCES SHALL BE SITUATED ON A LOT IN SUCH A MANNER THAT THE FINISHED OR NON-STRUCTURAL SIDE, FACE, FAULT ABUTTING PROPERTIES. (S 524-2) (C)

D. NO FENCE OR WALL SHALL BE ERECTED OF BARBED WIRE, TOPPED WITH METAL SPIKES, BURNED BOTTLES AND GLASS, NOR CONSTRUCTED OF ANY MATERIAL OR IN ANY MANNER WHICH MAY BE DANGEROUS TO PERSONS OR ANIMALS, EXCEPT THE PROVISIONS APPLICABLE TO THE SAME. (S 524-2) (C)

E. CHAIN LINK FENCES SHALL NOT BE PERMITTED IN CONNECTION WITH MANUFACTURING OR WAREHOUSING OPERATIONS, RECREATIONAL FACILITIES, AND INSTITUTIONAL USES. LANDSCAPING MAY BE REQUIRED IN CONNECTION WITH SUCH FENCING. (S 524-7) (N/A)

1. UPON A REQUEST AND ANY AND ALL SUBMISSIONS WANTS THAT ARE NOT SPECIFICALLY IDENTIFIED HEREIN, TESTIMONY WILL BE SUPPLIED AS THE PUBLIC HEARING TO SAID SUBMISSIONS WANTS.

2. PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE TO MAKE SURE THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED. NO CONSTRUCTION OR FABRICATION SHALL UNLESS THE CONTRACTOR HAS RECEIVED AND THOROUGHLY REVIEWED ALL NECESSARY PERMITS AND APPROVALS.

3. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE REQUIREMENTS AND STANDARDS OF THE LOCAL GOVERNING AUTHORITY.

4. THE SLOPS REPORT AND RECOMMENDATIONS SET FORTH HEREIN ARE A PART OF THE REQUIRED CONSTRUCTION DOCUMENTS AND IN CASE OF CONFLICT, TAKE PRECEDENCE UNLESS SPECIFICALLY NOTED OTHERWISE ON THE PLANS. THE CONTRACTOR SHALL THE ENGINEER'S CONSTRUCTION WANTS OF ANY DISCREPANCY BETWEEN SLOPS REPORT & PLANS.

5. THE CONTRACTOR SHALL INCLUDE THE LOCATION AND REMOVAL OF ALL UNDERGROUND TANKS, PIPES, WELDS, ETC.

6. THE PROPERTY SURVEY SHALL BE CONSIDERED A PART OF THESE PLANS.

7. ALL DIMENSIONS SHOWN ON THE PLANS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CONTRACTOR SHALL ENGINEER IF ANY DISCREPANCIES EXIST PRIOR TO PROCEEDING WITH CONSTRUCTION FOR DIMENSION PLAN CHANGES. NO EXTRA COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR WORK HOURS TO BE SECOND TO THE DIMENSIONS OR GROUES SHOWN INCONCORDANCE WITH THESE PLANS. IF SUCH NOTIFICATION HAS NOT BEEN GIVEN, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY SUCH DISCREPANCIES.

8. A SOLID MIST BE DEPOSITED BY CONTRACTOR IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.

ALL INFORMATION UNDESIRABLE MATERIAL, MUST BE TRANSPORTED TO AN APPROVED DISPOSAL LOCATION. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND COMPLIANCE WITH ALL APPLICABLE REGULATIONS IN ACCORDANCE WITH CLIENT CONTRACT STANDARDS, AS WELL AS ADDITIONAL PROVISIONS TO ASSURE STABILITY OF CONTIGUOUS STRUCTURES, AS FIELD CONDITIONS DICTATE.

ALL CONTRACTORS MUST CARRY SUFFICIENT WORKERS' COMPENSATION, EMPLOYERS' LIABILITY INSURANCE AND APPROPRIATE LIMITS OF COMMERCIAL GENERAL LIABILITY INSURANCE (CGL). ALL CONTRACTORS MUST HAVE THEIR CGL POLICIES ENDORSED TO NAME DYNAMIC ENGINEERING, INC. AS AN ADDITIONAL ASSURED PARTY. CONTRACTORS SHALL BE RESPONSIBLE FOR OBTAINING AND MAINTAINING ALL NECESSARY INSURANCE COVERAGE THROUGHOUT THE TERM OF THE CONTRACT. CONTRACTORS SHALL BE RESPONSIBLE FOR OBTAINING AND MAINTAINING ALL NECESSARY INSURANCE COVERAGE THROUGHOUT THE TERM OF THE CONTRACT. CONTRACTORS SHALL BE RESPONSIBLE FOR OBTAINING AND MAINTAINING ALL NECESSARY INSURANCE COVERAGE THROUGHOUT THE TERM OF THE CONTRACT.

CONSULTANTS, P.C. WITH CERTIFICATES OF INSURANCE AS EVIDENCE OF THE REQUIRED INSURANCE PRIOR TO COMMENCING WORK AND UPON REPEAL OF EACH CYCLE DURING THE ENTIRE PERIOD OF CONSTRUCTION. IN ADDITION, ALL CONTRACTORS MUST, TO THE FULLEST EXTENT, BE RESPONSIBLE FOR OBTAINING AND MAINTAINING ALL NECESSARY INSURANCE COVERAGE THROUGHOUT THE TERM OF THE CONTRACT. CONTRACTORS SHALL BE RESPONSIBLE FOR OBTAINING AND MAINTAINING ALL NECESSARY INSURANCE COVERAGE THROUGHOUT THE TERM OF THE CONTRACT. CONTRACTORS SHALL BE RESPONSIBLE FOR OBTAINING AND MAINTAINING ALL NECESSARY INSURANCE COVERAGE THROUGHOUT THE TERM OF THE CONTRACT.

CONTRACTED WITH THE PROJECT, INCLUDING ALL CLAIMS BY EMPLOYEES OF THE CONTRACTORS.

[illegible]

1. DYNAMIC ENGINEERING CONSULTANTS, P.C. SHALL REVIEW AND APPROVE, TAKE OTHER APPROPRIATE ACTION ON THE CONTRACTOR SUBMITTALS SUCH AS SHOP DRAWINGS, PRODUCT DATA, SAMPLES AND OTHER DATA, WHICH THE CONTRACTOR IS REQUIRED TO SUBMIT, BUT ONLY FOR LIMITED PURPOSE OF CHECKING FOR CONFORMANCE WITH THE DESIGN AND THE INFORMATION SHOWN IN THE CONSTRUCTION METHODS OR METHODS, COORDINATION OF THE WORK WITH OTHER TRADES OR CONSTRUCTION SAFETY PRECAUTIONS, ALL OF WHICH ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. DYNAMIC ENGINEER'S REVIEW SHALL BE CONDUCTED WITH REASONABLE PROMPTNESS WHILE ALLOWING SUFFICIENT TIME TO PERMIT ADEQUATE REVIEW OF A SPECIFIC ITEM. SHALL NOT INDICATE THAT DYNAMIC ENGINEERING CONSULTANTS HAS REVIEWED THE ENTIRE ASSEMBLY OF WHICH THE ITEM IS A COMPONENT. DYNAMIC ENGINEERING CONSULTANTS, P.C. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATIONS FROM THE CONSTRUCTION DOCUMENTS NOT BROUGHT TO THE ATTENTION OF DYNAMIC ENGINEERING CONSULTANTS.

10.8. THE CONTRACTOR MUST INCLUDE A MEDIATION PROVISION IN ALL AGREEMENTS WITH INDEPENDENT SUBCONTRACTORS AND CONSULTANTS RETAINED FOR THE PROJECT AND TO REQUIRE ALL INDEPENDENT CONTRACTORS AND CONSULTANTS ALSO TO INCLUDE A SIMILAR MEDIATION PROVISION IN ALL AGREEMENTS WITH THEIR SUBCONTRACTORS, SUBCONSULTANTS, SUPPLIERS AND FABRICATORS. THEREBY PROVIDING FOR MEDIATION AS THE PRIMARY METHOD FOR RESOLVING DISPUTES BETWEEN THE PARTIES TO ALL SUCH AGREEMENTS.

THE CONTRACTOR DEVIATES FROM THE PLANS AND SPECIFICATIONS, INCLUDING THE NOTES CONTAINED THEREIN, WITHOUT FIRST OBTAINING PRIOR WRITTEN AUTHORIZATION FOR SUCH DEVIATIONS FROM THE OWNER AND ENGINEER, IT SHALL BE RESPONSIBLE FOR THE PAYMENT OF COSTS TO CORRECT ANY WORK DONE, ALL FINES OR PENALTIES ASSESSED WITH RESPECT THEREIN AND ALL COMPENSATORY OR PUNITIVE DAMAGES RESULTING THEREFROM AND IT SHALL INDEMNIFY AND HOLD THE OWNER AND ENGINEER HARMLESS FROM ALL SUCH COSTS TO CORRECT SUCH WORK AND FROM ALL SUCH FINES AND PENALTIES, COMPENSATION AND PUNITIVE DAMAGES AND COSTS OF ANY NATURE RESULTING THEREFROM.

ALL TRAFFIC SIGNS AND STRIPING SHALL FOLLOW THE REQUIREMENTS SPECIFIED IN THE MANUAL ON "UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" PUBLISHED BY THE FEDERAL HIGHWAY ADMINISTRATION.

THE BUILDING SETBACK DIMENSIONS ILLUSTRATED AND LISTED ON THE SITE PLAN DRAWINGS ARE MEASURED FROM THE OUTSIDE SURFACE OF BUILDING WALLS. THESE SETBACK DIMENSIONS DO NOT ACCOUNT FOR ROOF OVERHANGS, ORNAMENTAL ELEMENTS, SIGNAGE OR OTHER EXTERIOR EXTENSIONS UNLESS SPECIFICALLY NOTED.

THE CONTRACTOR TO BE NOTIFIED THAT THE ENGINEER HAS PROVIDED WITH HANDICAPED PLANS DRAWINGS FOR THE BUILDING IN THE FORM OF SITE PLANS (LEGEND) AS A RESULT, ENTRANCE DOOR LOCATIONS AS DEPICTED HEREIN MAY NOT BE THE SAME AS THE ENTRANCE DOOR LOCATIONS AS DEPICTED IN THE ARCHITECTURAL PLANS. HANDICAPED PARKING SPACES AND ASSOCIATED RAMPS AND ACCESSIBLE ROUTE MUST COMPLY WITH NJAC 52:3-7 AND THE HANDICAP PARKING SPACES MUST BE LOCATED AS THE NEAREST SPACES TO THE ENTRANCE. THE CONTRACTOR TO NOTIFY OWNER AND ENGINEER IMMEDIATELY OF ANY DISCREPANCY PRIOR TO CONSTRUCTION.

IDENT LEGEND

PROPOSED STANDARD DUTY ASPHALT PAVEMENT

COMPOSED STANDARD DUTY CONCRETE PAVEMENT

PROPOSED PERVIOUS PAVEMENT	
-----------------------------------	--

[illegible]

THIS PLAN SET IS FOR PERMITTING PURPOSES ONLY AND MAY NOT BE USED FOR CONSTRUCTION			
OWNER:	KTK	(334) 331- _____	(404) 331- _____
		AP	JSH
PROJECT: HOPE PRESBYTERIAN CHURCH <i>PROPOSED SANITARY ADDITION</i> BLOCK 5401, LOT 118 HOPE PRESBYTERIAN CHURCH TOWNSHIP OF LAWRENCE, MERCER COUNTY, NEW JERSEY			

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JEFFREY HABERMAN

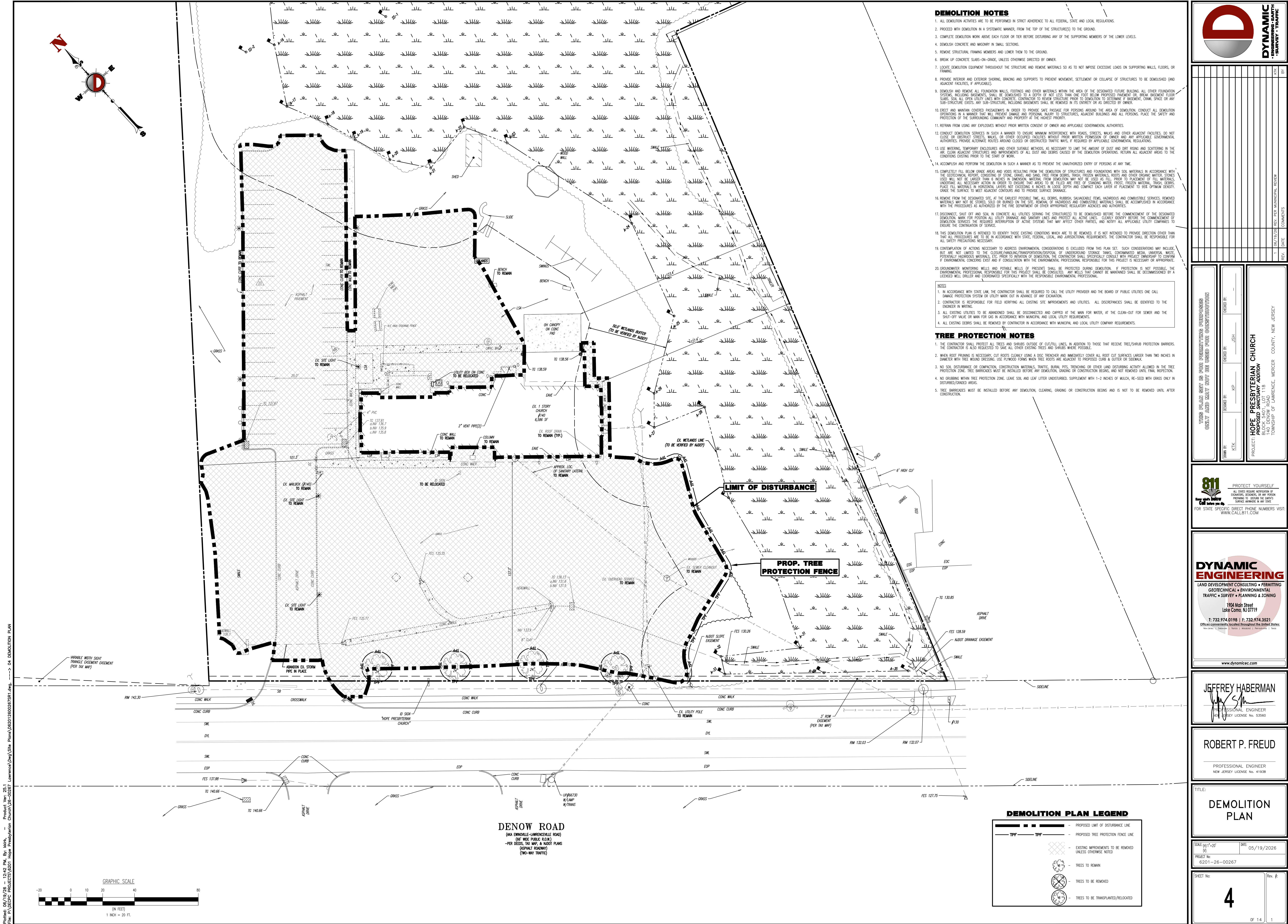


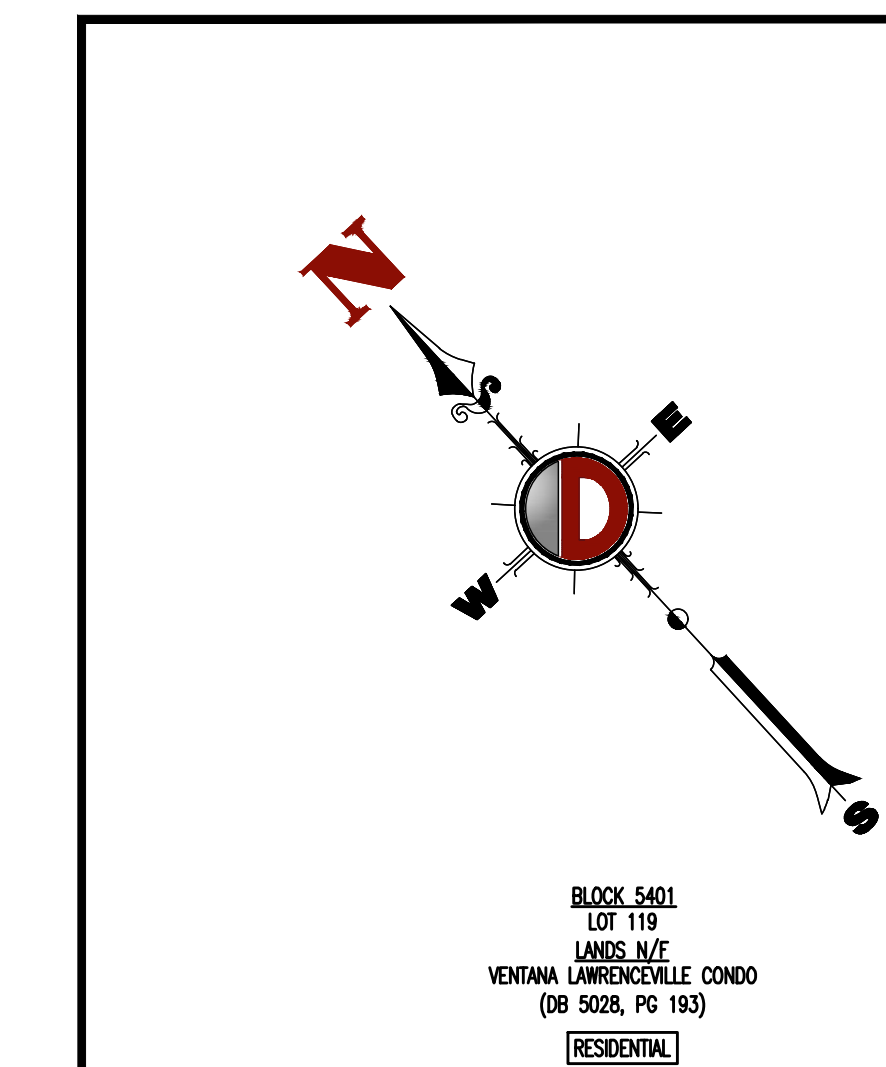
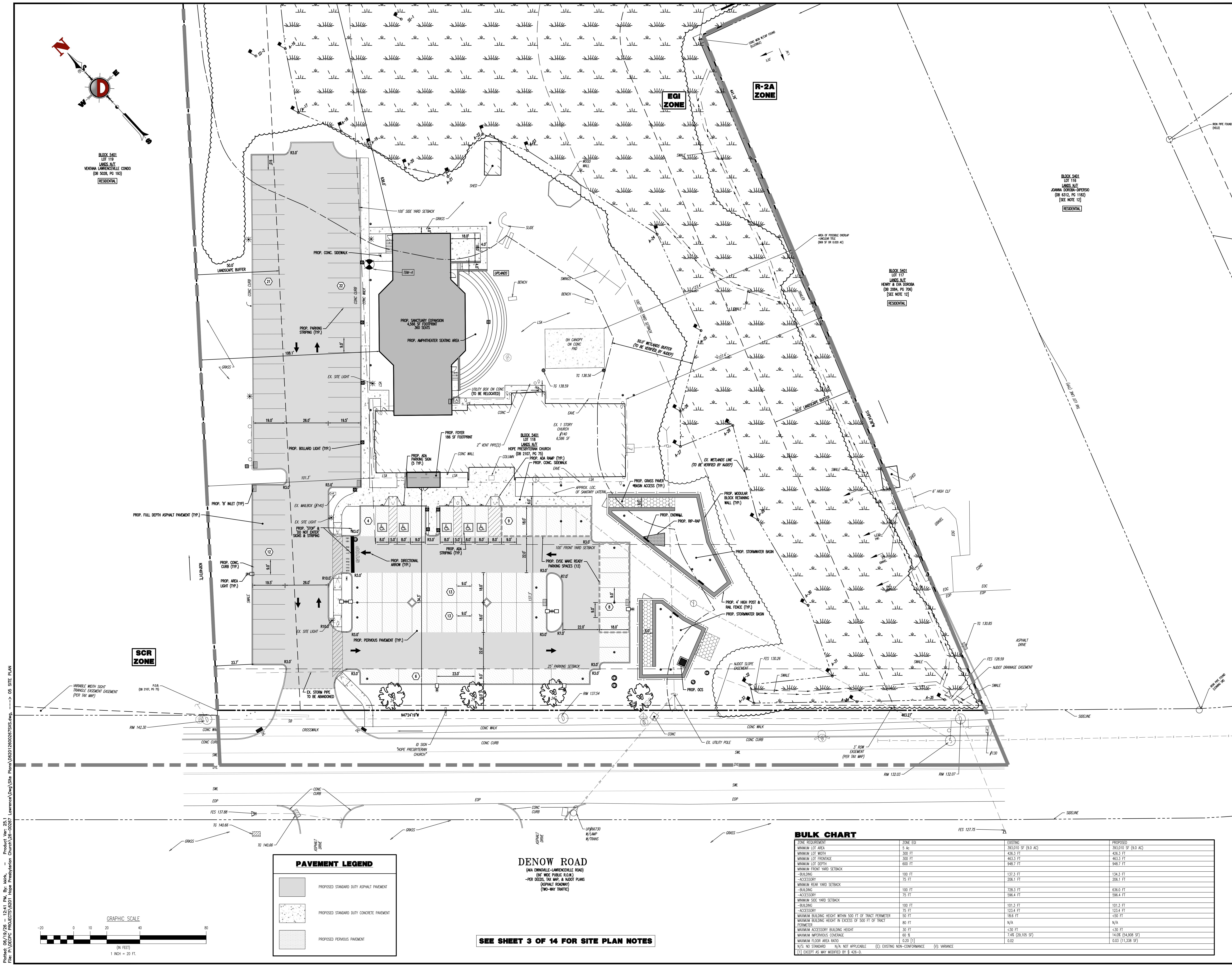
PROFESSIONAL ENGINEER
NEW JERSEY LICENSE No. 53560

ROBERT P. FREUD

PROFESSIONAL ENGINEER
NEW JERSEY LICENSE No. 41938

TITLE:	
OVERALL SITE PLAN	
SCALE: (N) 1"=50' (V)	DATE: 05/19/2026
PROJECT No: 6201-26-00267	
SHEET No:	Rev. #:
3	
OF 14	1





BLOCK 5401
LOT 119
LANDS N/E
VENTANA LAWRENCEVILLE CONDO
(DB 5024, PG 145)
RESIDENTIAL

BLOCK 5401
LOT 116
LANDS N/E
JONNA DOROTA-OPERSO
(DB 8312, PG 1180)
[SEE NOTE 12]
RESIDENTIAL

BLOCK 5401
LOT 117
LANDS N/E
HENRY & DAN DOROTA
(DB 2084, PG 706)
[SEE NOTE 12]
RESIDENTIAL

PAVEMENT LEGEND

	PROPOSED STANDARD DUTY ASPHALT PAVEMENT
	PROPOSED STANDARD DUTY CONCRETE PAVEMENT
	PROPOSED PERVIOUS PAVEMENT

DENOW ROAD
(AKA EMMONVILLE-LAWRENCEVILLE ROAD)
(80' WIDE PUBLIC ROW)
-PER DEEDS, TAX MAP, & NDOT PLANS
(ASPHALT ROADWAY)
(TWO-WAY TRAFFIC)

SEE SHEET 3 OF 14 FOR SITE PLAN NOTES

BULK CHART

ZONE REQUIREMENT	ZONE EOD	EXISTING	PROPOSED
MINIMUM LOT AREA	5 AC	393,010 SF (9.0 AC)	393,010 SF (9.0 AC)
MINIMUM LOT WIDTH	300 FT	426.3 FT	426.3 FT
MINIMUM LOT DEPTH	300 FT	463.3 FT	463.3 FT
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-BUILDING	100 FT	137.3 FT	134.3 FT
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-BUILDING	50 FT	18.6 FT	<50 FT
-ACCESSORY	80 FT	N/A	N/A
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MAXIMUM BUILDING HEIGHT IN EXCESS OF 500 FT OF TRACT PERIMETER	60 FT	7.48 (29.105 SF)	14.02 (54,908 SF)
MAXIMUM ACCESSORY BUILDING HEIGHT	30 FT	<30 FT	<30 FT
MAXIMUM MAXIMUMS COVERAGE	60 %	0.02	0.02 (11,338 SF)
MAXIMUM FLOOR AREA RATIO	0.20 [1]		
N/S: NO STANDARD N/A: NOT APPLICABLE (E): EXISTING NON-CONFORMANCE (V): VARIANCE			
[1] EXCEPT AS MAY MODIFIED BY § 426-6.			

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DATE	05/19/2026
PROJECT NO.	6201-26-00267
SHEET NO.	5
REV. #	

ROBERT P. FREUD
PROFESSIONAL ENGINEER
NEW JERSEY LICENSE NO. 41938

JEFFREY HABERMAN
PROFESSIONAL ENGINEER
NEW JERSEY LICENSE NO. 53560

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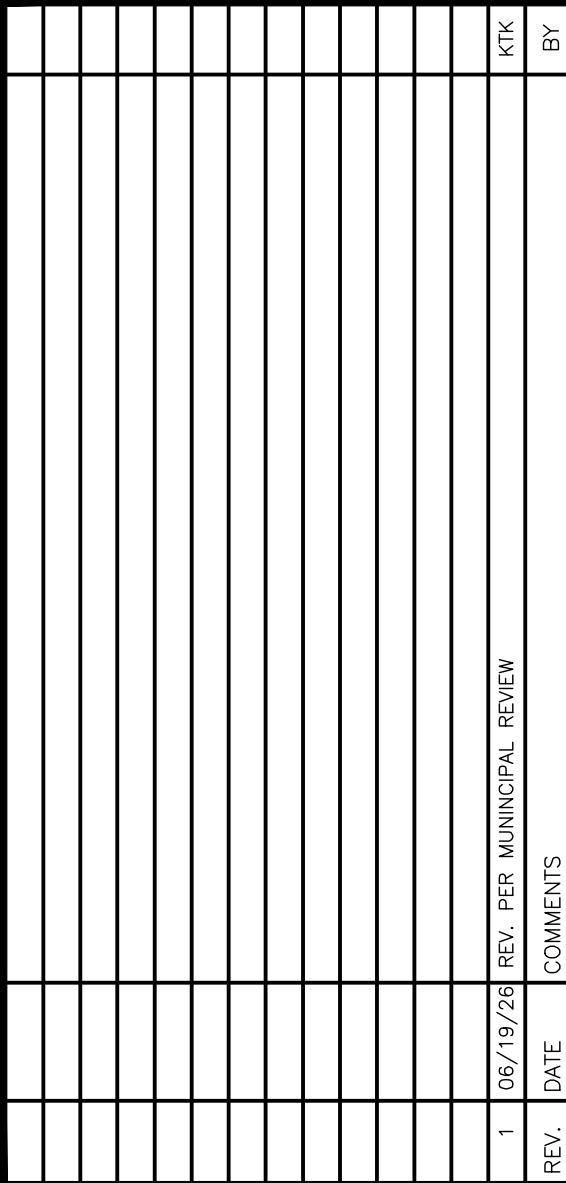
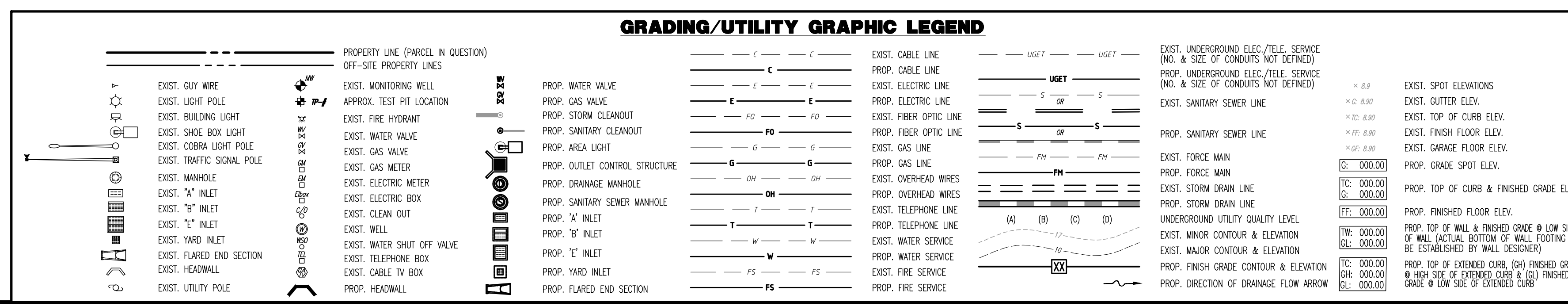
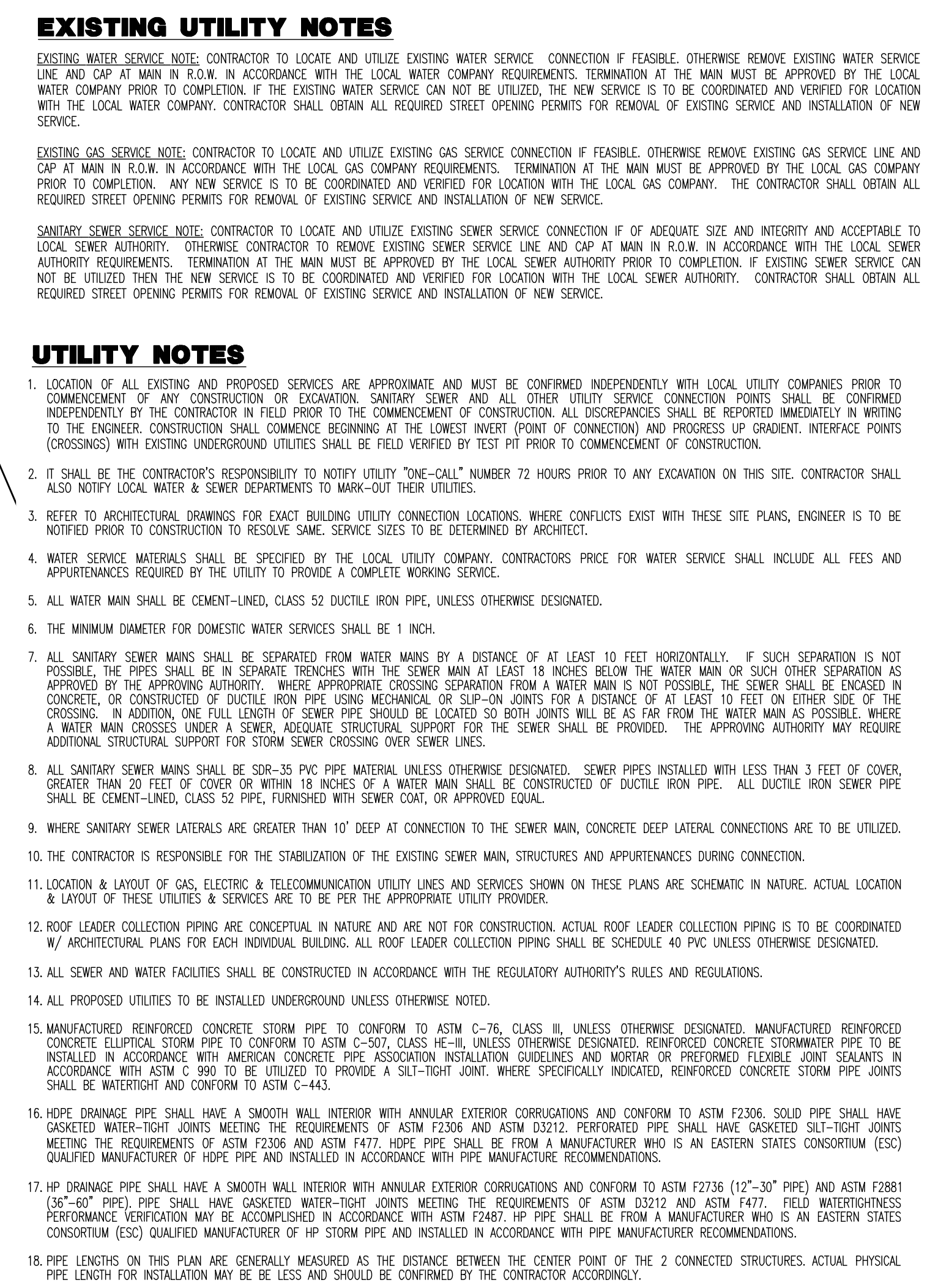
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PROJECT: **HOPE PRESBYTERIAN CHURCH**
PROPOSED SANCTUARY ADDITION
140 DENOW ROAD
TOWNSHIP OF LAWRENCE, MERCER COUNTY, NEW JERSEY

DATE: 05/19/2026
PROJECT NO.: 6201-26-00267
SHEET NO.: 5
REV. #:

Printed: 05/19/26 12:41 PM By: MHA
PLOT: P:\35000\6201-26-00267\DWG\6201-26-00267-05 SITE PLAN.dwg
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DESIGNED BY: _____	CHECKED BY: _____
KP _____	JSH _____

DOPE PRESBYTERIAN CHURCH
PROPOSED SANCTUARY ADDITION
PO BOX 5401, LOT 118
DENOW ROAD
TOWNSHIP OF LAWRENCE, MERCER COUNTY, NEW JERSEY

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JEFFREY HABERMAN

PROFESSIONAL ENGINEER
NEW JERSEY LICENSE No. 53560

ROBERT P. FREUD

PROFESSIONAL ENGINEER
NEW JERSEY LICENSE No. 41938

TITLE:

**DRAINAGE &
UTILITY PLAN**

SCALE: (H) 1"=20' (V).	DATE: 05/19/2026
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PROJECT No: 6201-26-00267

SHEET No: _____ Rev. #: _____

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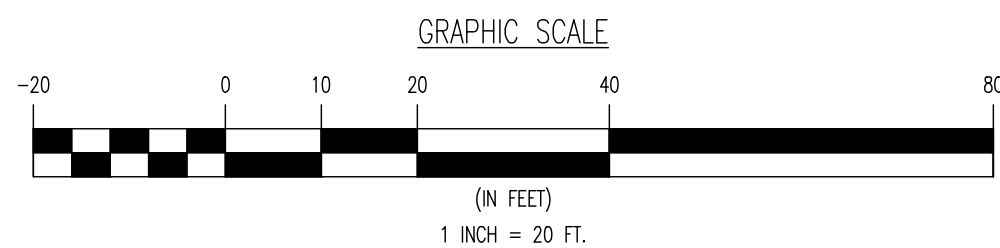
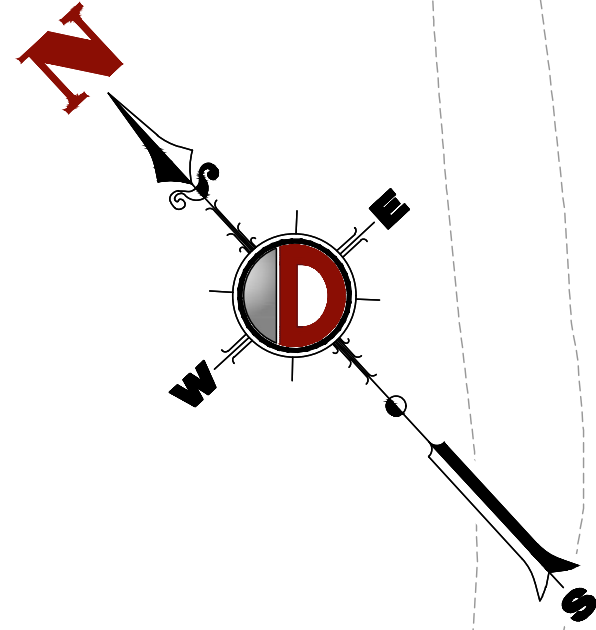
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08 LANDSCAPE PLAN

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DENOW ROAD
(AKA EMMONVILLE-LAWRENCEVILLE ROAD)
(65' WIDE PUBLIC ROAD)
-PER DEEDS, TAX MAP, & ADOPT PLANS
(ASPHALT ROADWAY)
(TWO-WAY TRAFFIC)

THIS PLAN TO BE UTILIZED FOR LANDSCAPE PURPOSES ONLY

PLANT SCHEDULE SITE

CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER
DECIDUOUS TREE(S)					
ARF	7	ACER RUBRUM 'AUTUMN FLAME'	AUTUMN FLAME RED MAPLE	2 1/2-3" CAL.	B&B
COF	2	CARPINUS CAROLINIANA 'JUL UPRIGHT'	FRESHPER AMERICAN HORNBEAM	2 1/2-3" CAL.	B&B
TAB	5	TILIA AMERICANA 'BOULEVARD'	BOULEVARD AMERICAN LINDEN	2 1/2-3" CAL.	B&B
SUBTOTAL:					
ORNAMENTAL TREE(S)					
HWB	2	HEPTACODON MICONIODES 'SUNHART'	TEMPLE OF BLOOMING SEVEN SON FLOWER	8-10"	B&B
SUBTOTAL:					
DECIDUOUS SHRUB(S)					
CAC	8	CLETHRA ALNIFOLIA 'CRYSTALINA'	SUGARTREE SUMMERSWEET	24-30"	#5 CAN
CSC	15	CLETHRA ALNIFOLIA 'SIXTEEN CANDLES'	SIXTEEN CANDLES SUMMERSWEET	24-30"	#5 CAN
HSGS	11	HIBISCUS SYRIACUS 'GANDINI SANDWAG'	PURPLE PILLAR ROSE OF SHARON	30-36"	#5 CAN
HWM	11	HYDRANGEA QUERCIFOLIA 'WUNCHON'	WUNCHON CANDLE HYDRANGEA	18-24"	#5 CAN
RWD	3	ROSA 'TROMPETTE'	WHITE KNICK OUTROSE	15-18"	#3 CAN
SUBTOTAL:					
EVERGREEN SHRUB(S)					
AZL	18	ABELIA X GRANDIFLORA 'SUNMIST'	POOD LOON GLOSSY ABELIA	18-24"	#3 CAN
APW	6	AZALEA X 'PLEASANT WHITE'	GRAND'S PLEASANT WHITE AZALEA	24-30"	#5 CAN
IS	15	ILEX GLABRA 'SHAMROCK'	SHAMROCK INVERBERRY HOLLY	24-30"	#5 CAN
TMO	12	TAXUS X MEDIA 'DENSIFORMIS'	DENSIFORMIS YEW	24-30"	#5 CAN
SUBTOTAL:					
GRASS(S)					
PWP	8	PANICUM VIRGATUM 'HALF PINT'	HALF PINT SMITH GRASS	2 GAL.	CONTAINER
SUBTOTAL:					
PERENNIAL(S)					
PLSD	2	PAEONIA LACTIFLORA 'SWORD DANCE'	SWORD DANCE PEONY	2 GAL.	CONTAINER
SNCR	8	SALVIA NEMOROSA 'CRYSTAL BLUE'	CRYSTAL BLUE COLOR SPRESS SAGE	2 GAL.	CONTAINER
SUBTOTAL:					

PLANT SCHEDULE BASIN

CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER
DECIDUOUS TREE(S)					
NS	2	NYSSA SYLVATICA	TUPELO	2 1/2-3" CAL.	B&B
SUBTOTAL:					
ORNAMENTAL TREE(S)					
BN	1	BETULA NIGRA	RIVER BIRCH	8-10"	B&B
SUBTOTAL:					
BASIN GRASSES					
EF	110	JUNCUS EFFUSUS	SOFT RUSH	2 GAL.	CONTAINER
PVB	205	PANICUM VIRGATUM	SMITH GRASS	2 GAL.	CONTAINER
SUBTOTAL:					
BASIN SHRUBS					
GB	55	ILEX GLABRA	RIBBERRY HOLLY	12-15"	#2 CAN
LBB	11	LINDERA BENZON	SPECIEUSH	12-15"	#2 CAN
MPB	15	MOOREA PENNSYLVANICA	NORTHERN BARBERRY	12-15"	#2 CAN
SUBTOTAL:					

SEE SHEET 09 OF 14 FOR LANDSCAPE PLAN NOTES & DETAILS

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ONLY AND MAY NOT BE USED FOR CONSTRUCTION

PROJECT: **HOPE PRESBYTERIAN CHURCH**
PROPOSED SACRATORY ADDITION
140 DENOW ROAD
TOWNSHIP OF LAWRENCE, MERCER COUNTY, NEW JERSEY

DATE: 05/19/26
REV: 01
BY: KTK

811
Call before you dig
FOR STATE SPECIFIC DIRECT PHONE NUMBERS VISIT:
WWW.CALL811.COM

JEFFREY HABERMAN
Professional Engineer
NEW JERSEY LICENSE No. 53560

ROBERT P. FREUD
Professional Engineer
NEW JERSEY LICENSE No. 41938

TITLE:
LANDSCAPE PLAN

SCALE: 1/4" = 1'-0"
(0)

DATE: 05/19/2026

PROJECT No:
6201-26-00267

SHEET No:
8

Rev. #:
OF 14, 1

1. PLANT MATERIAL SHALL BE FURNISHED AND INSTALLED AS NOTED, INCLUDING ALL LABOR, MATERIALS, PLANTS, EQUIPMENT, INCIDENTALS, AND CLEAN-UP. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF EXISTING PLANT MATERIAL AND THE PROTECTION OF ALL UTILITIES.

2. PLANT MATERIAL SHALL BE SPECIFIC TO THE TREE SPECIES AND VARIETY, HAVE MODERATE GROWTH, WELL DEVELOPED BRANCHES, DENSELY FOLIATED, PROPER TOPOGRAPHY, AND BE FREE FROM DEFECTS AND INJURIES.

3. PLANT MATERIAL SHALL BE SPECIFIC TO THE PLANTING CONCERNED (TERRESTRIAL OR AQUATIC) TO THE GROWTH OF PLANT MATERIAL.

4. ALL PLANT MATERIAL SHALL BE GUARANTEED BY THE CONTRACTOR TO BE A GUARANTEED GROWING CONDITION. PLANTING SHALL BE MADE FOR A GROWTH GUARANTEE PERIOD OF 1 YEAR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF EXISTING PLANT MATERIAL AND THE PROTECTION OF ALL UTILITIES.

5. SUCCEEDING PLANTING SCHEMES, ALL REPLACEMENTS SHALL HAVE A GUARANTEE PERIOD OF 1 YEAR TO THAT STATED PERIOD.

6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF EXISTING PLANT MATERIAL AND THE PROTECTION OF ALL UTILITIES. IT IS NOT POSSIBLE, THE CONTRACTOR SHALL PROTECT SUCH NOT PLANTED PLANTS SHALL NOT REMAIN UNPAVED FOR LONGER THAN A THREE PERIOD DAY AFTER PLANTING, ANY PLANTS NOT INSTALLED SHALL BE REMOVED.

7. QUALITY AND SIZE OF PLANTS, SPREAD OF ROOTS, AND SIZE OF BALLS SHALL BE IN ACCORDANCE WITH ASH 260.1 (REV. 2007) "AMERICAN STANDARD FOR SPECIFICATIONS FOR PLANTING OPERATIONS".

8. ALL PLANTS SHALL BE PLANTED IN ADEQUATE TUBES, THAT ARE SUFFICIENTLY WALKED AND TAMPED AS BACK FILLING REQUIREMENTS. PLANTING MAY BE AS SHOWN ON THE PLANS.

9. PLANTS SHALL NOT BE BOUND WITH WIRE OR ROPE AT ANY TIME SO AS TO DAMAGE THE BARK OR BRANCHES. PLANTS SHALL BE HANDLED FROM THE BACK OF THE PLANTING OPERATIONS.

10. PLANTING OPERATIONS SHALL BE PERFORMED DURING PERIODS WHEN THE PLANTING SEASON WHEN WEATHER AND SOIL CONDITIONS ARE SUITABLE AND NO PLANTING SHALL BE PERFORMED WHEN PLANTING IS NOT POSSIBLE DUE TO WEATHER OR SOIL CONDITIONS.

11. PLANTS SHALL BE PLANTED WITH PLANT OR EQUAL TO THE MANUFACTURER'S INSTRUCTIONS.

12. SET ALL PLANTS PLANTED WITH PLANT OR EQUAL TO THE MANUFACTURER'S INSTRUCTIONS.

13. SET ALL PLANTS PLANTED WITH PLANT OR EQUAL TO THE MANUFACTURER'S INSTRUCTIONS.

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15. ALL NURSED ROOTS SHALL BE PRUNED TO MAKE CLEAN DENDS BEFORE PLANTING. LIFTING CLEAN, SHARP TOOLS. IT IS ADVISABLE TO PRUNE APPROXIMATELY 1/3 OF THE MAIN LEAD OF THE ROOTS. THE PRUNING SHALL BE DONE IN A MANNER THAT WILL NOT CAUSE DAMAGE TO THE PLANT. THE PRUNING SHALL BE DONE IN A MANNER THAT WILL NOT CAUSE DAMAGE TO THE PLANT. THE PRUNING SHALL BE DONE IN A MANNER THAT WILL NOT CAUSE DAMAGE TO THE PLANT.

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133. ALL PLANTS PLANTED WITH PLANT OR EQUAL TO THE MANUFACTURER'S INSTRUCTIONS.

134. ALL PLANTS PLANTED WITH PLANT OR

FURTHERMORE, THE FOLLOWING TREE VARIETIES SHALL NOT BE PLANTED DURING THE FALL PLANTING SEASON DUE TO THE HAZARDS ASSOCIATED WITH DIGGING THESE TREES IN THIS SEASON:

ACER RUBRUM
BETULA VARIETIES
CARPINUS VARIETIES

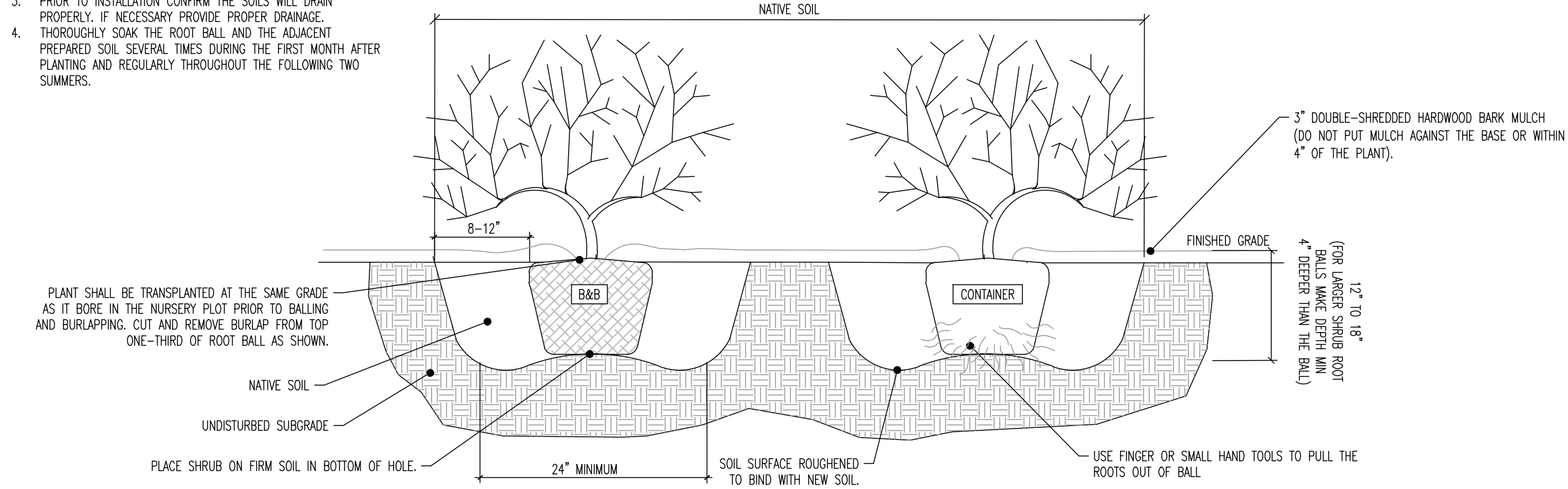
ANY PLANTINGS INSTALLED IN CONFLICT WITH THIS REQUIREMENT MUST RECEIVE THE WRITTEN APPROVAL BY THE MUNICIPAL ENGINEER OR LANDSCAPE ARCHITECT

ANY PLANTINGS INSTALLED IN CONFLICT WITH THIS REQUIREMENT MUST RECEIVE THE WRITTEN APPROVAL BY THE MUNICIPAL ENGINEER OR LANDSCAPE ARCHITECT, PRIOR TO PLANTING. FAILURE TO COMPLY WITH THESE REQUIREMENTS WILL REQUIRE THE REMOVAL OF THE PLANTING IN QUESTION. THIS REQUIREMENT DOES NOT APPLY TO SEEDING OR SODDING OR PLANTINGS SPECIFICALLY FOR SOIL STABILIZATION PURPOSES. THE PLANTING ASSOCIATED WITH ANY LOT GIVEN A CERTIFICATE OF OCCUPANCY OUTSIDE THESE PERIODS SHALL BE PROVIDED DURING THE PREVIOUS OR NEXT APPROPRIATE SEASON.

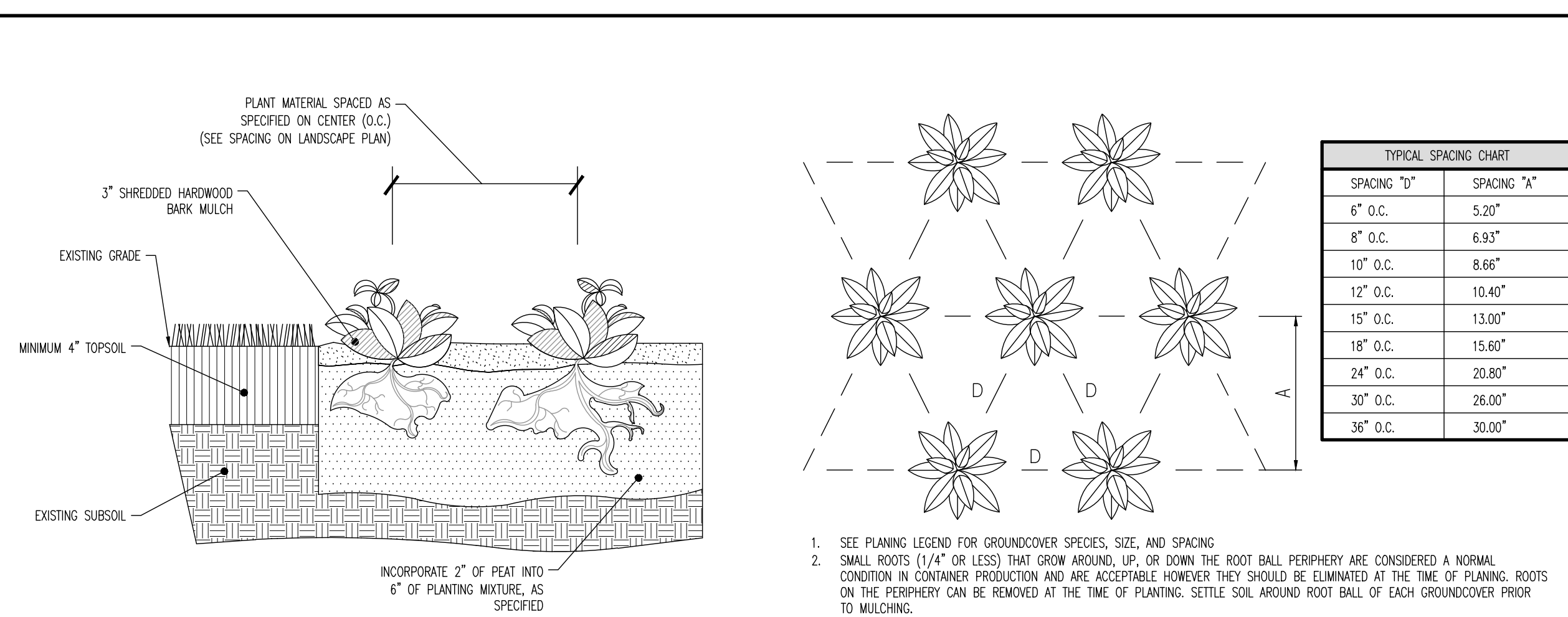
19. ALL DISTURBED AREAS TO BE TREATED WITH TOPSOIL SEED SOD STABILIZATION METHOD.

[illegible]

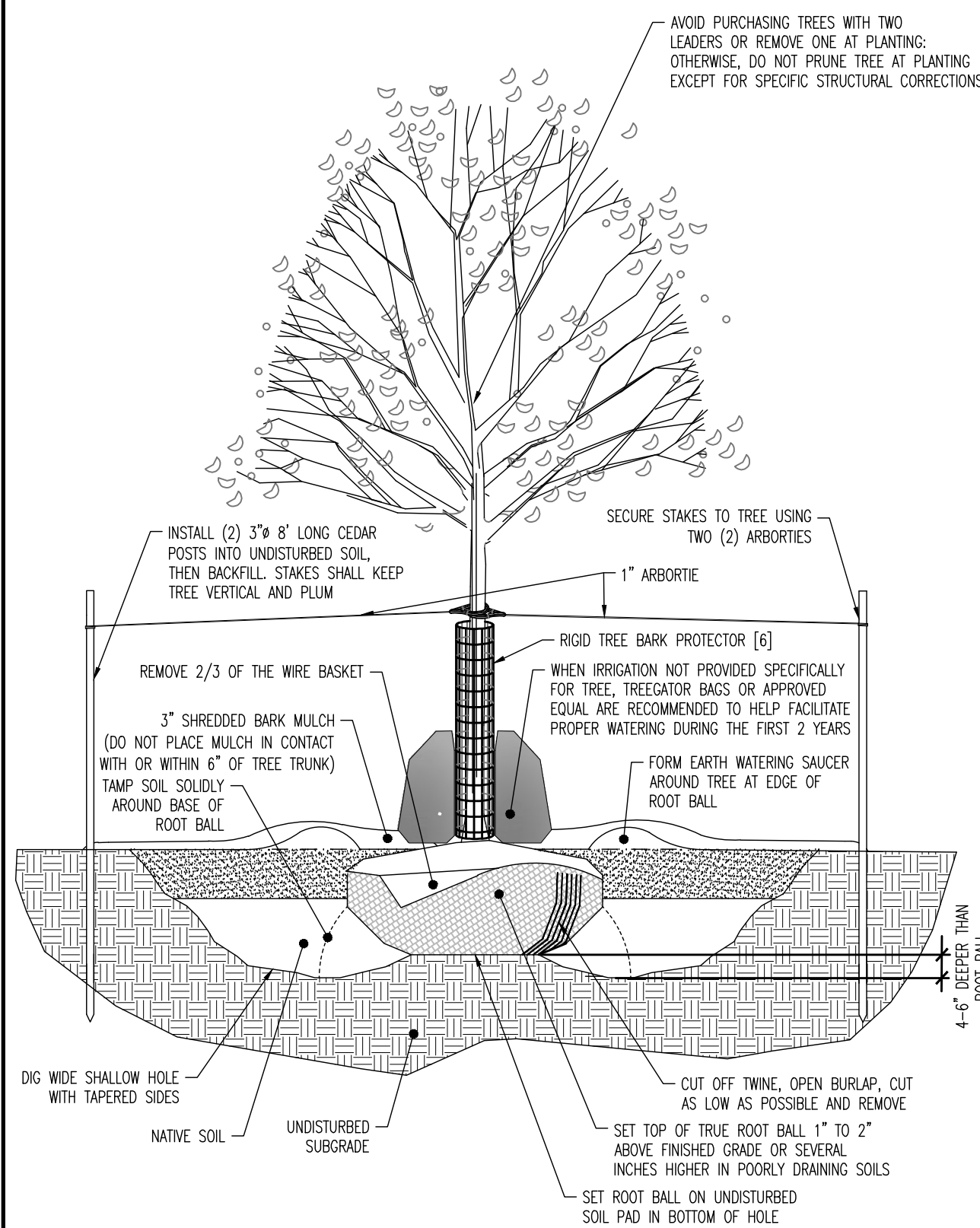
1. REMOVE ALL EXCESS SOIL FROM ROOT FLARE PRIOR TO PLANTING
2. INCORPORATE COMMERCIALLY PREPARED MYCORRHIZAE SPORES AND FERTILIZER TABLETS IN THE SOIL IMMEDIATELY AROUND THE ROOT BALL AT RATE SPECIFIED BY THE MANUFACTURER
3. PRIOR TO INSTALLATION CONFIRM THE SOILS WILL DRAIN PROPERLY, IF NECESSARY PROVIDE PROPER DRAINAGE.
4. THOROUGHLY SOAK THE ROOT BALL AND THE ADJACENT PREPARED SOIL SEVERAL TIMES DURING THE FIRST MONTH AFTER PLANTING AND REGULARLY THROUGHOUT THE FOLLOWING TWO SUMMERS.



NOT TO SCALE



NOT TO SCALE



NOTES

1. FOR CONTAINER GROWN TREES USE DIGGERS OR SMALL HAND TOOLS TO PLUG THE ROOTS OUT OF THE OUTER LAYER OF POTTING SOIL, THE OUT OR PLAIN AROUND THE ROOT CROWLING THE PERIMETER OF THE CONTAINER.
2. INCORPORATE COMMERCIALLY PREPARED MYCORRHIZAL SPORES AND FERTILIZER TABLETS IN THE SOIL IMMEDIATELY AROUND THE ROOT BALL AS THEY ARE SPECIFIED ON THE MANUFACTURER'S LABEL.
3. THOROUGHLY SOAK THE ROOT BALL AND THE ADJACENT PREPARED SOIL SEVERAL TIMES DURING THE FIRST MONTH AFTER PLANTING AND REGULARLY THROUGHOUT THE FOLLOWING TWO GROWING SEASONS. (WHEN IRRIGATION IS NOT PROVIDED SPECIFICALLY FOR THE TREE, IT IS RECOMMENDED THAT GATOR BARS ARE USED TO HELP FACILITATE THE PROPER AMOUNT AND RATE OF WATER ARE ACHIEVED. GATOR BARS ARE USED TO HOLD THE SOIL IN PLACE AND TO PREVENT THE SOIL FROM BEING WASHED AWAY BY THE WATER. THIS ALSO HELPS TO KEEP THE SOIL FROM DRYING OUT AND TO PREVENT THE SOIL FROM BEING WASHED AWAY BY THE WATER.)
4. GATOR BARS WILL HELP TO REDUCE THE GROWTH OF FUNGUS AND REMOVE POSSIBLE HONING SPOTS FOR RODENTS. THE GATOR BARS WILL REMAIN AT THE END OF THE SECOND GROWING SEASON UNLESS OTHERWISE ADVISED.
5. GATOR BARS WILL HELP TO PROTECT THE SOIL FROM BEING WASHED AWAY BY THE WATER AND TO PREVENT THE SOIL FROM DRYING OUT.
6. PROVIDE A 4 IN. ROD BITE BAR PROTECTOR AROUND THE TRUNK OF ALL GATOR BARS AND UNDERSTORY TREES FOR BARK PROTECTION.
7. BARK PROTECTORS - BGAS® (ALUM. LEMNARD HORTICULTURAL SUPPLY) OR APPROVED EQUIV.

NOT TO SCALE

[illegible]

THIS PLAN SET IS FOR PERMITTING PURPOSES
ONLY AND MAY NOT BE USED FOR CONSTRUCTION

OWNER:	DATE:	PROJECT:
KTC	1/1/2016	HOPE PRESBYTERIAN CHURCH
		PROPOSED SANCTUARY ADDITION
		140 NEWARK ROAD
		TOWNSHIP OF LAWRENCE, MERCER COUNTY, NEW JERSEY

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JEFFREY HABERMAN

PROFESSIONAL ENGINEER
NEW JERSEY LICENSE No. 53560

ROBERT P. FREUD

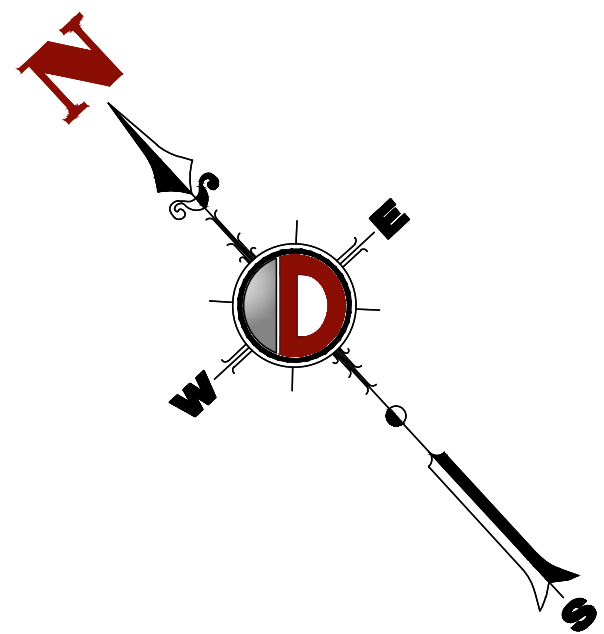
PROFESSIONAL ENGINEER
NEW JERSEY LICENSE No. 41938

LANDSCAPE
NOTES &
DETAILS

SCALE: (H) 1"=20' (V).	DATE: 05/19/2026
PROJECT: Nicc 6201-26-00267	

SHEET No: _____

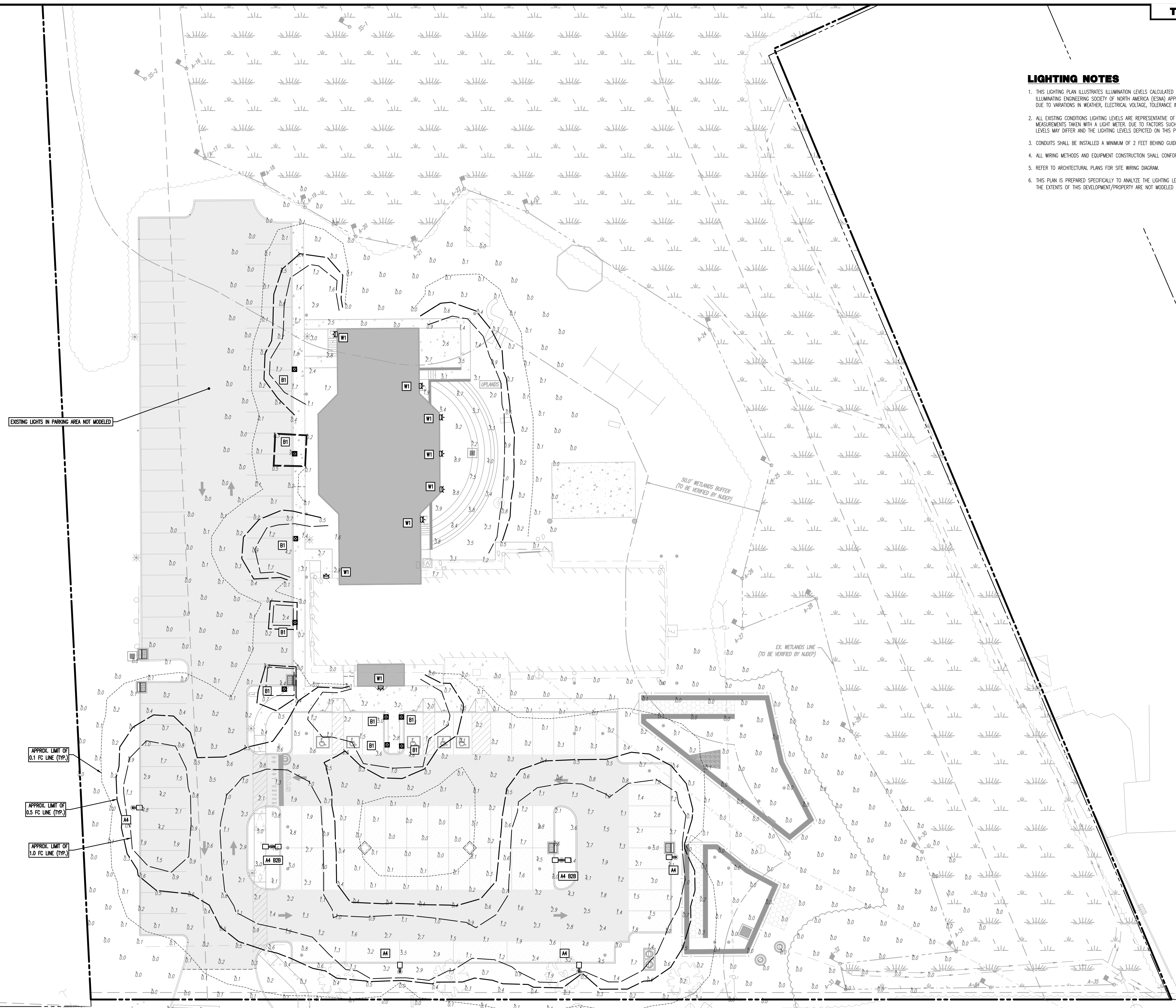
9 OF 14 1



THIS PLAN TO BE UTILIZED FOR LIGHTING PURPOSES ONLY

LIGHTING NOTES

1. THIS LIGHTING PLAN ILLUSTRATES ILLUMINATION LEVELS CALCULATED FROM LABORATORY DATA TAKEN UNDER CONTROLLED CONDITIONS IN ACCORDANCE WITH ILLUMINATING ENGINEERING SOCIETY OF NORTH AMERICA (IESNA) APPROVED METHODS. ACTUAL SITE ILLUMINATION LEVELS AND PERFORMANCE OF LUMINAIRES MAY VARY DUE TO VARIATIONS IN WEATHER, ELECTRICAL VOLTAGE, TOLERANCE IN LUMENS, AND OTHER RELATED VARIABLE FIELD CONDITIONS.
2. ALL EXISTING CONDITIONS LIGHTING LEVELS ARE REPRESENTATIVE OF AN APPROXIMATION UTILIZING LABORATORY DATA FOR SIMILAR FIXTURES AND/OR ACTUAL FIELD MEASUREMENTS TAKEN WITH A LIGHT METER, DUE TO FACTORS SUCH AS FIXTURE MAINTENANCE, EQUIPMENT TOLERANCES, WEATHER CONDITIONS, ETC., ACTUAL LIGHTING LEVELS MAY DIFFER AND THE LIGHTING LEVELS DEPICTED ON THIS PLAN SHOULD BE CONSIDERED AS APPROXIMATE.
3. CONDUITS SHALL BE INSTALLED A MINIMUM OF 2 FEET BEHIND GUARDRAIL POSTS.
4. ALL WIRING METHODS AND EQUIPMENT CONSTRUCTION SHALL CONFORM TO THE CURRENT NATIONAL ELECTRICAL CODE.
5. REFER TO ARCHITECTURAL PLANS FOR SITE WIRING DIAGRAM.
6. THIS PLAN IS PREPARED SPECIFICALLY TO ANALYZE THE LIGHTING LEVELS GENERATED BY THE PROPOSED ON-SITE LIGHTING ONLY. EXISTING LIGHT FIXTURES BEYOND THE EXTENTS OF THIS DEVELOPMENT/PROPERTY ARE NOT MODELED IN THIS DESIGN, AND MAY ALTER ACTUAL LIGHT LEVELS AT THE PROPERTY LINES.



EXISTING LIGHTS IN PARKING AREA NOT MODELED

APPROX. LIMIT OF 0.1 FC LINE (TYP.)

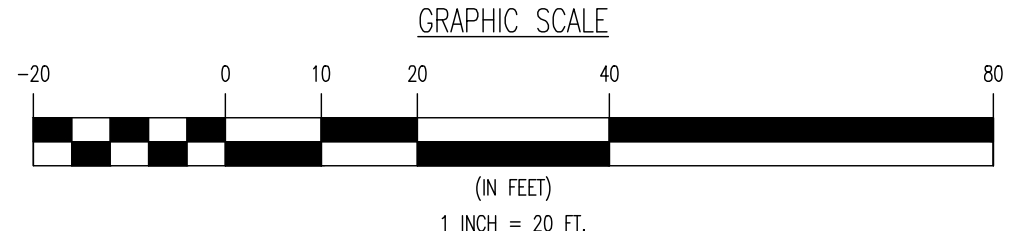
APPROX. LIMIT OF 0.5 FC LINE (TYP.)

APPROX. LIMIT OF 1.0 FC LINE (TYP.)

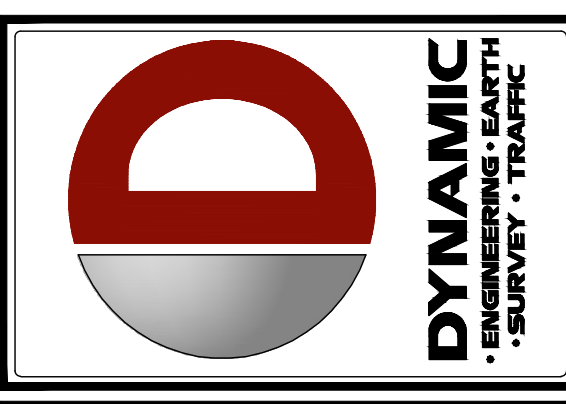
DENOW ROAD
(AKA EMMONVILLE-LAWRENCEVILLE ROAD)
(65' WIDE PUBLIC ROW)
-PER DEEDS, TAX MAP, & NOOT PLANS
(ASPHALT ROADWAY)
(TWO-WAY TRAFFIC)

LIGHTING LUMINAIRE SCHEDULE									
SYMBOL	QUANTITY	LABEL	WATTAGE	MOUNTING HEIGHT	ARRANGEMENT	B-U-G RATING	LIGHT LOSS FACTOR	MANUFACTURER	DESCRIPTION
	4	A4	51.4	16 FT	SINGLE	B1-U0-G1	1.000	LANDSCAPE FORMS, INC.	LANDSCAPE FORMS PROFILE AREA LIGHT HO T3 CLEAR LENS
	2	A4	51.4	16 FT	BACK-TO-BACK	B1-U0-G1	1.000	LANDSCAPE FORMS, INC.	LANDSCAPE FORMS PROFILE AREA LIGHT HO T3 CLEAR LENS
	9	B1	8.0	3 FT	SINGLE	B0-U1-G1	1.000	LANDSCAPE FORMS, INC.	LANDSCAPE FORMS PROFILE BOLLARD LIGHT DIFFUSE LENS
	8	W1	8.0	12 FT	SINGLE	B1-U0-G1	1.000	EXO	BEACON RATIO WALL PACK TYPE 3

ISO CURVE LINES ARE MAINTAINED AND SHOWN AT 1.0, 0.5, AND 0.1 FC.
(FW) = FLOOD MOUNT FOUNDATION (FWD) = FLOOD MOUNT FOUNDATION
THE CALCULATIONS SHOWN WERE MADE UTILIZING ACCEPTED PROCEDURES OF THE ILLUMINATING ENGINEERING SOCIETY OF NORTH AMERICA, VARIATIONS IN LAMP OUTPUT, BALLAST OUTPUT, LINE VOLTAGE, DIRT DEPRECIATION, AND OTHER FACTORS MAY AFFECT ACTUAL RESULTS. UNLESS OTHERWISE STATED, ALL RESULTS ARE MAINTAINED VALUES, UTILIZING ACCEPTED LIGHT LOSS FACTORS (LLF).



Printed: 05/19/2025 12:42 PM By: Mike... Product: Ver: 25.1
File: P:\USDC\PROJECTS\0521 Hope Presbyterian Church\0521.dwg
C:\Users\jhaberman\AppData\Local\Temp\0521.dwg
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REV.	DATE	COMMENTS	BY
1	05/19/25	REV. PER MUNICIPAL REVIEW	KTK

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DRAWN BY: KTK
CHECKED BY: JSH
DESIGNED BY: JSH

PROJECT: HOPE PRESBYTERIAN CHURCH
PROPOSED SACRATORY ADDITION
140 DENOW ROAD
TOWNSHIP OF LAWRENCE, MERCER COUNTY, NEW JERSEY

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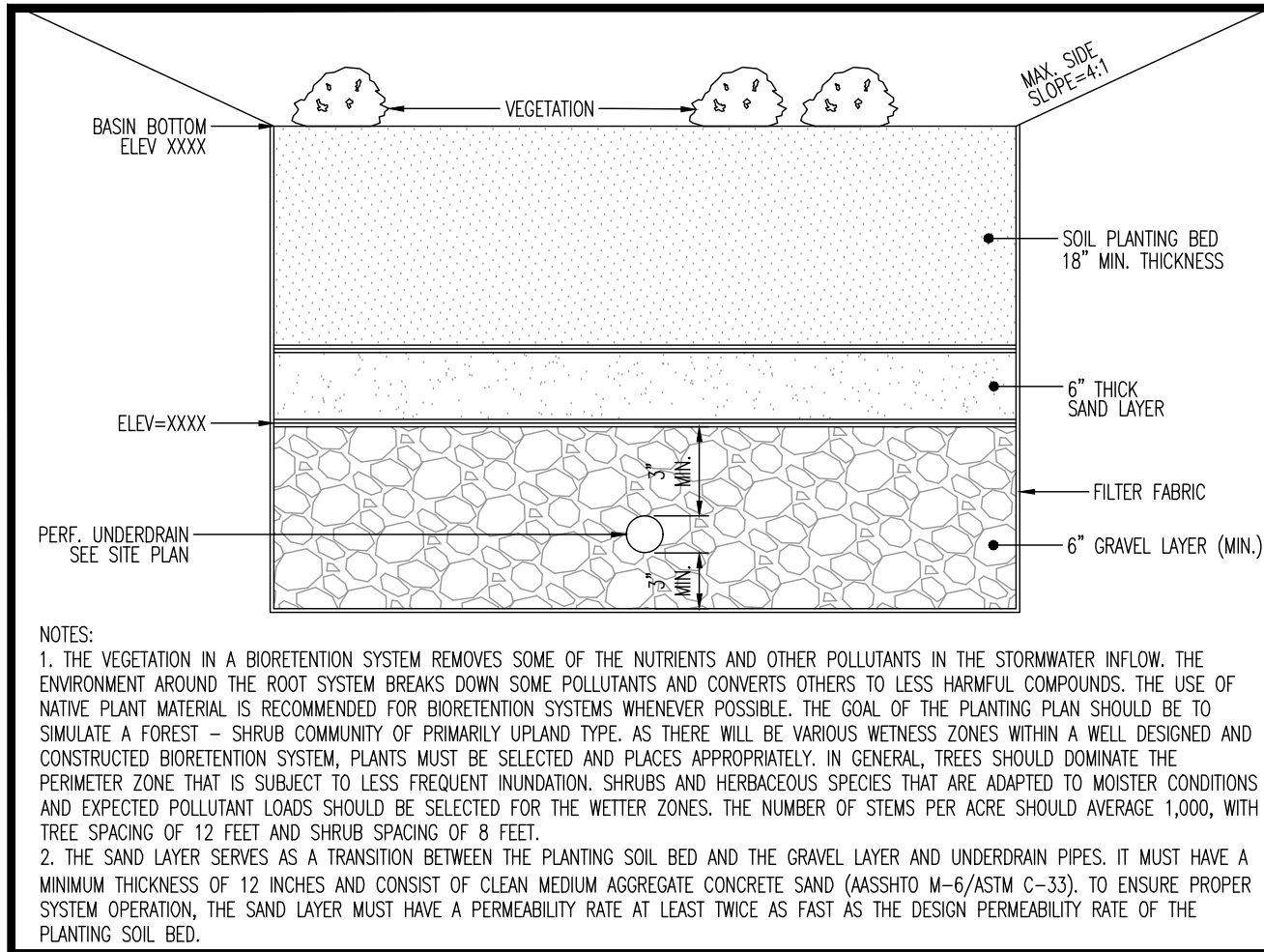
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JEFFREY HABERMAN
Professional Engineer
NEW JERSEY LICENSE No. 53560

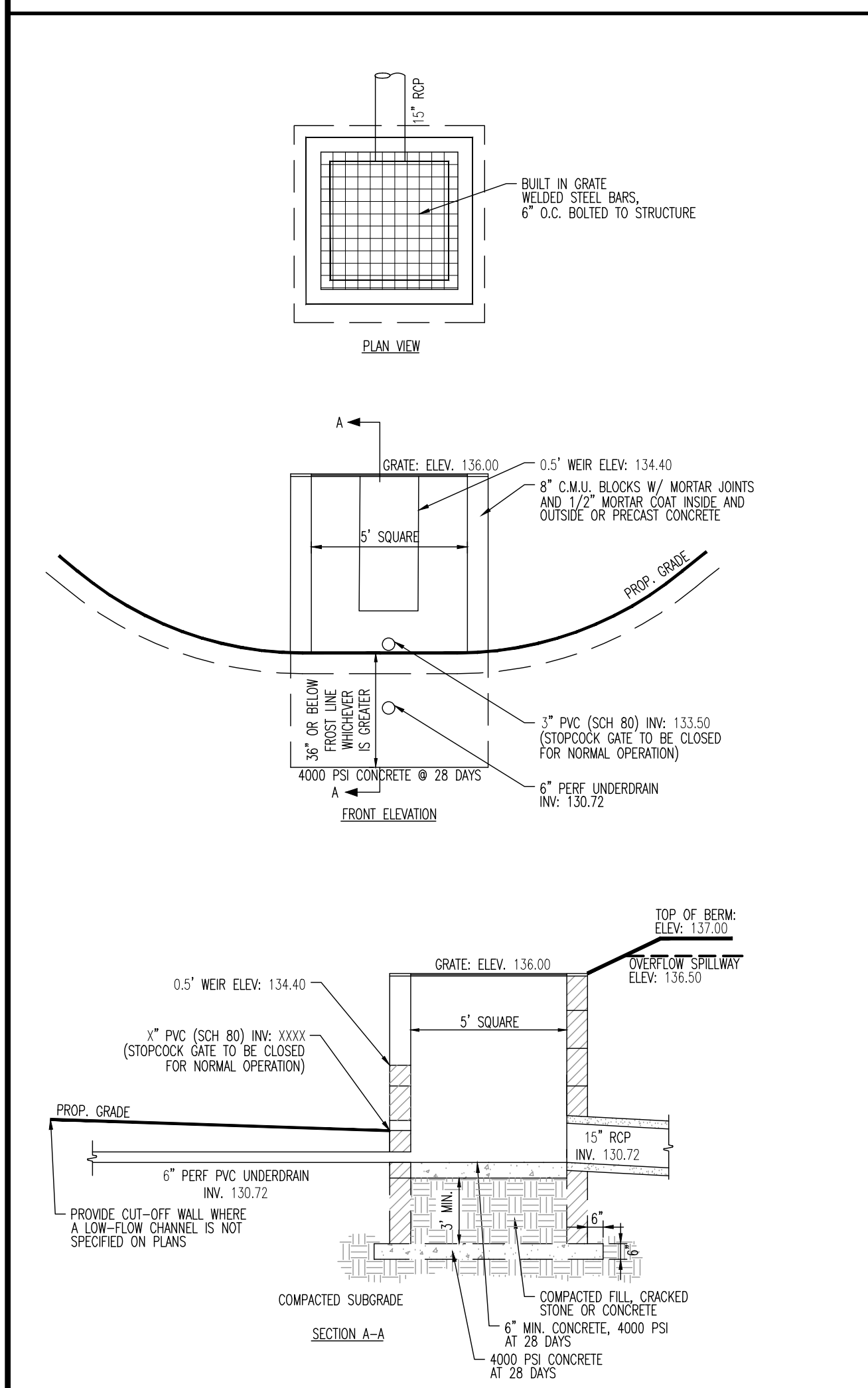
ROBERT P. FREUD
Professional Engineer
NEW JERSEY LICENSE No. 41938

TITLE:
LIGHTING PLAN

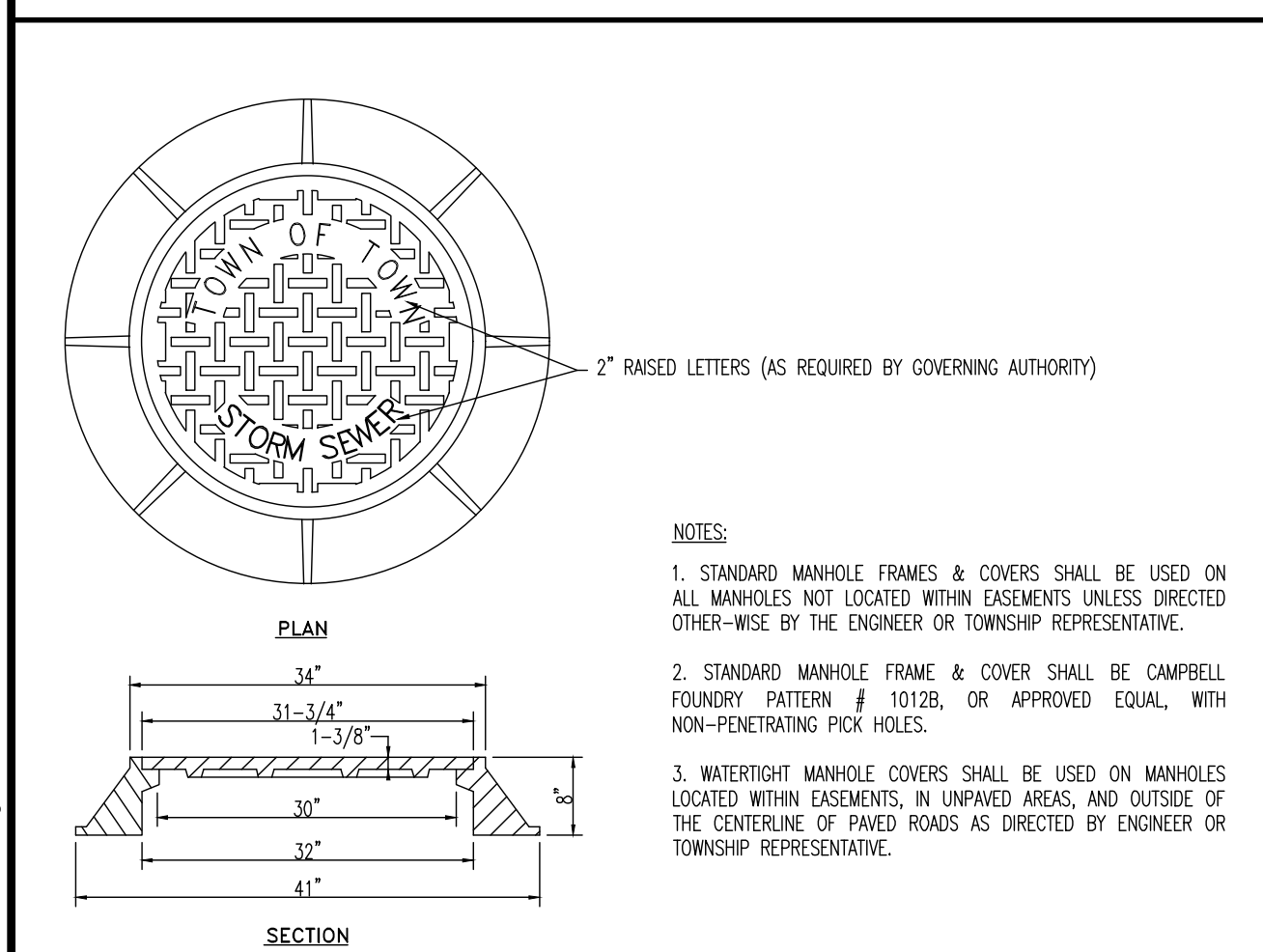
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DATE: 05/19/2025
PROJECT No: 6201-26-00267
SHEET No: 10
Rev. #:



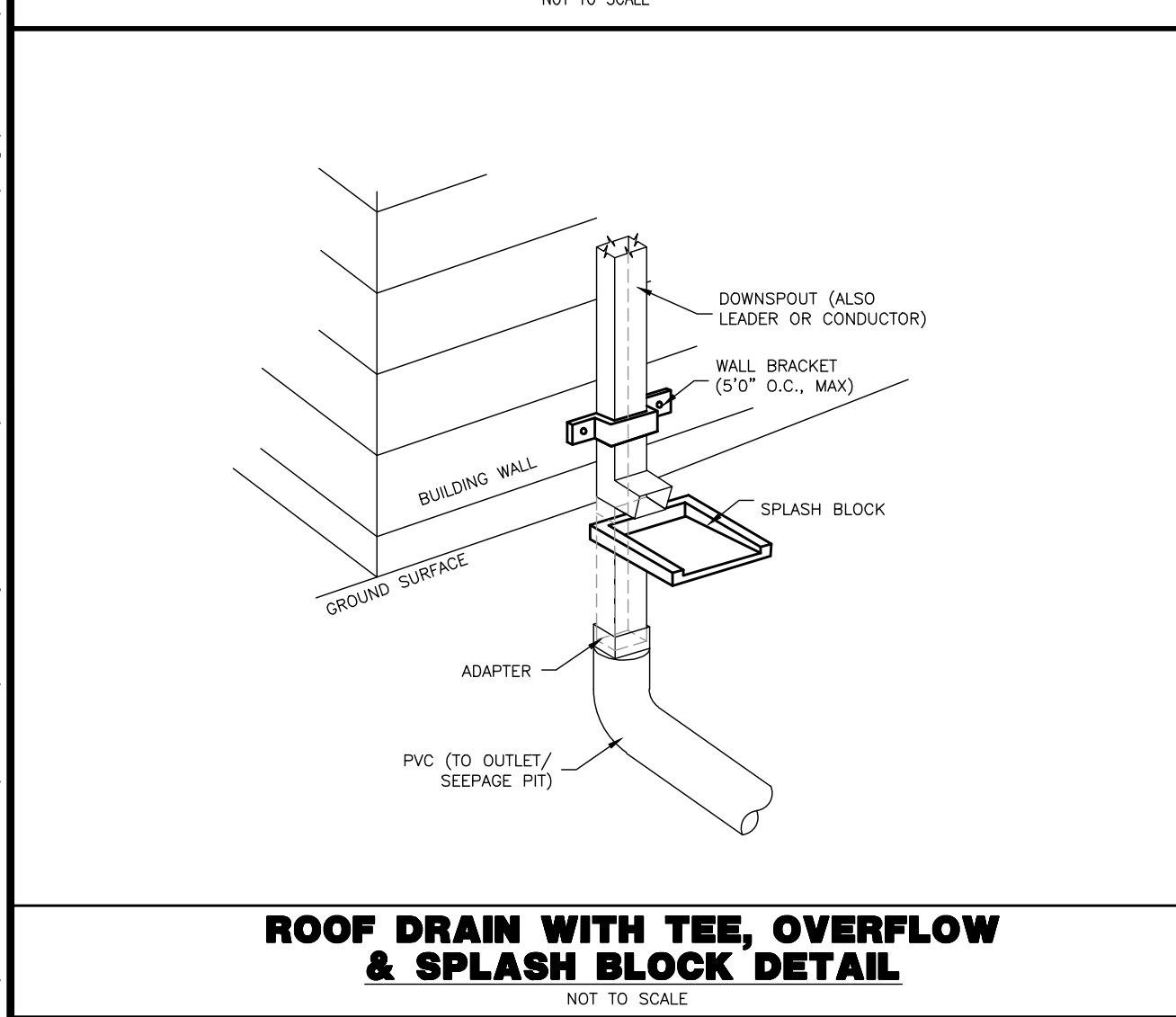
BIORETENTION SYSTEM DETAIL
NOT TO SCALE



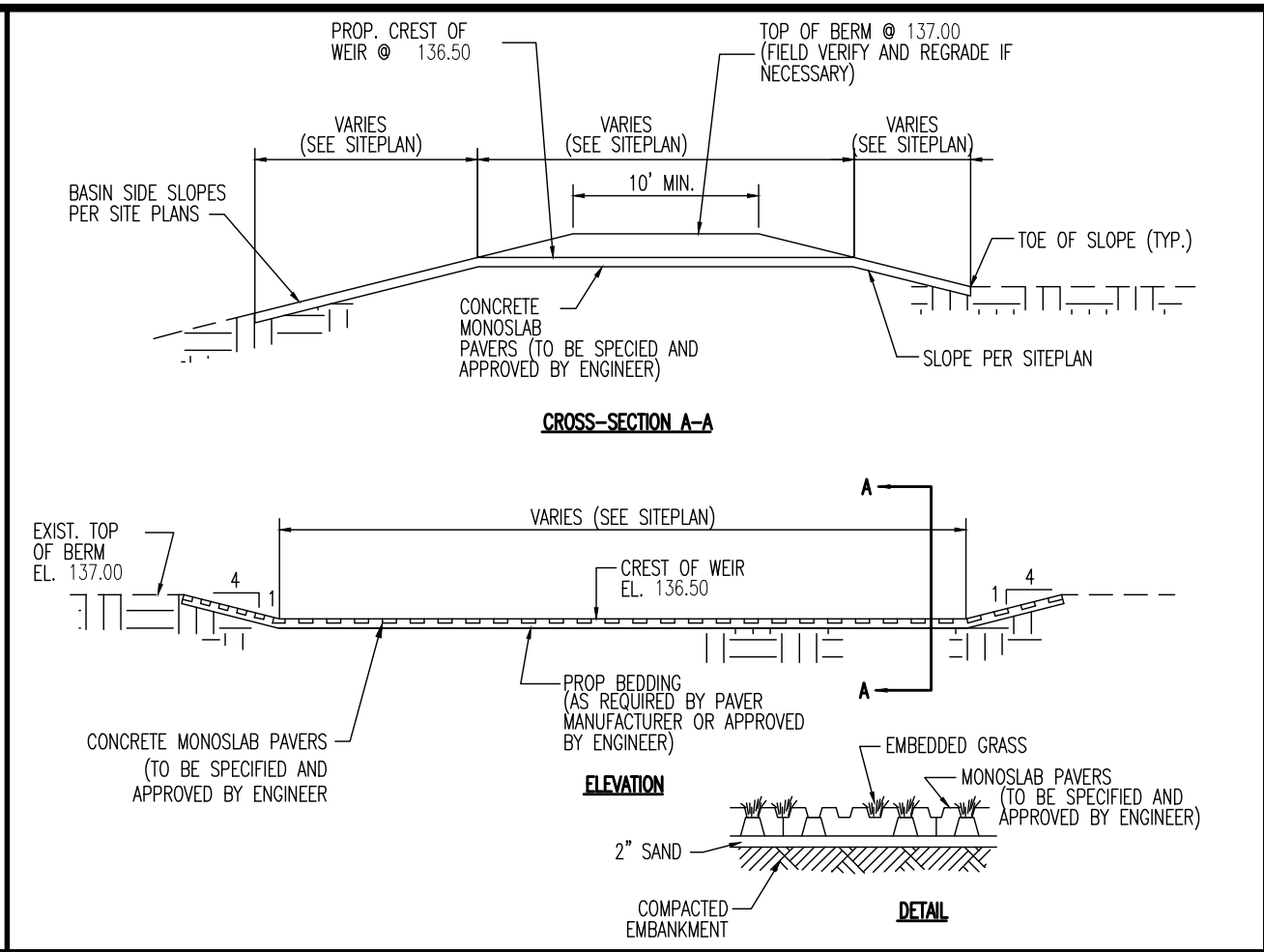
OUTLET CONTROL STRUCTURE #A DETAIL
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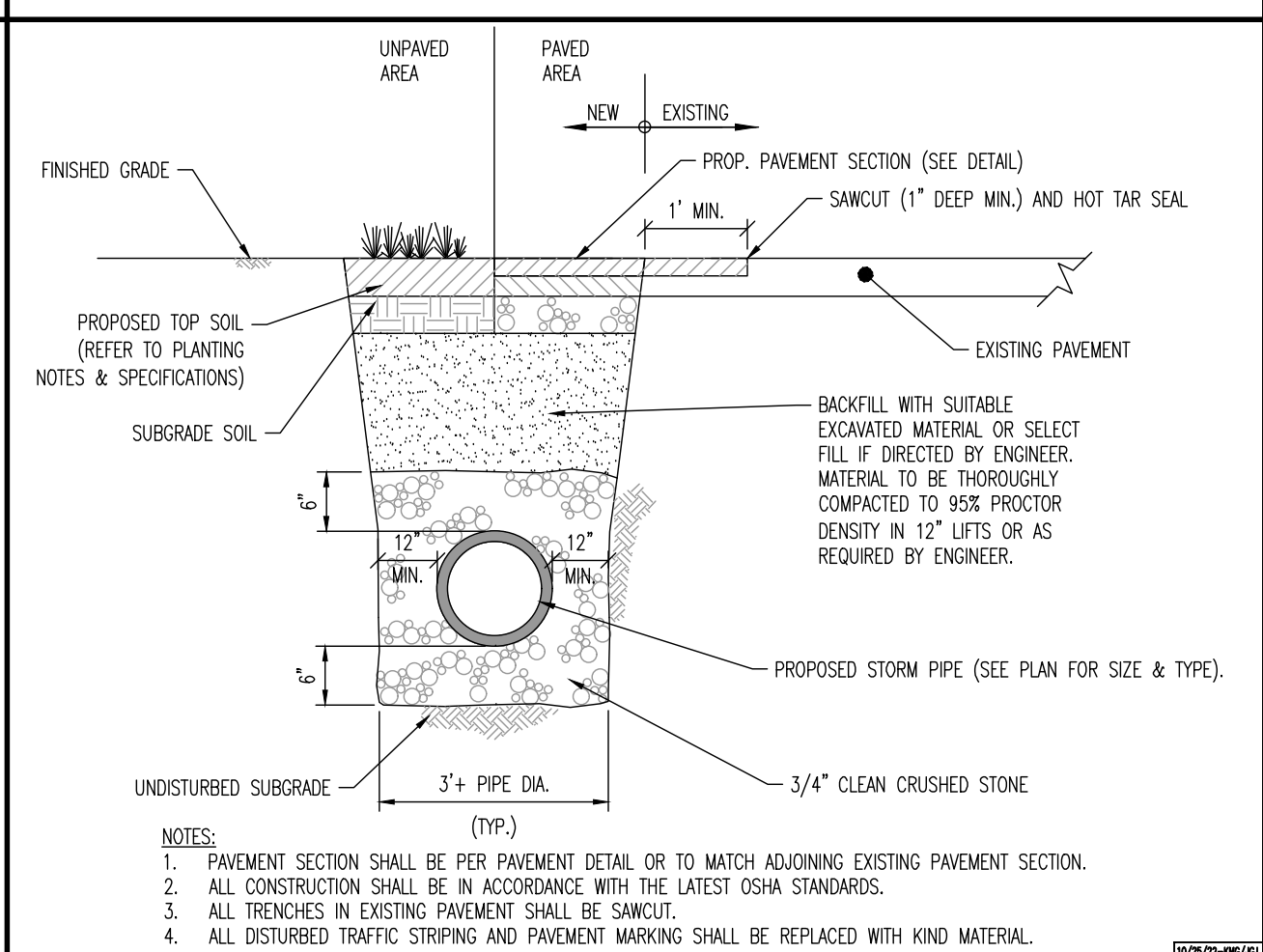
STORM MANHOLE FRAME DETAIL
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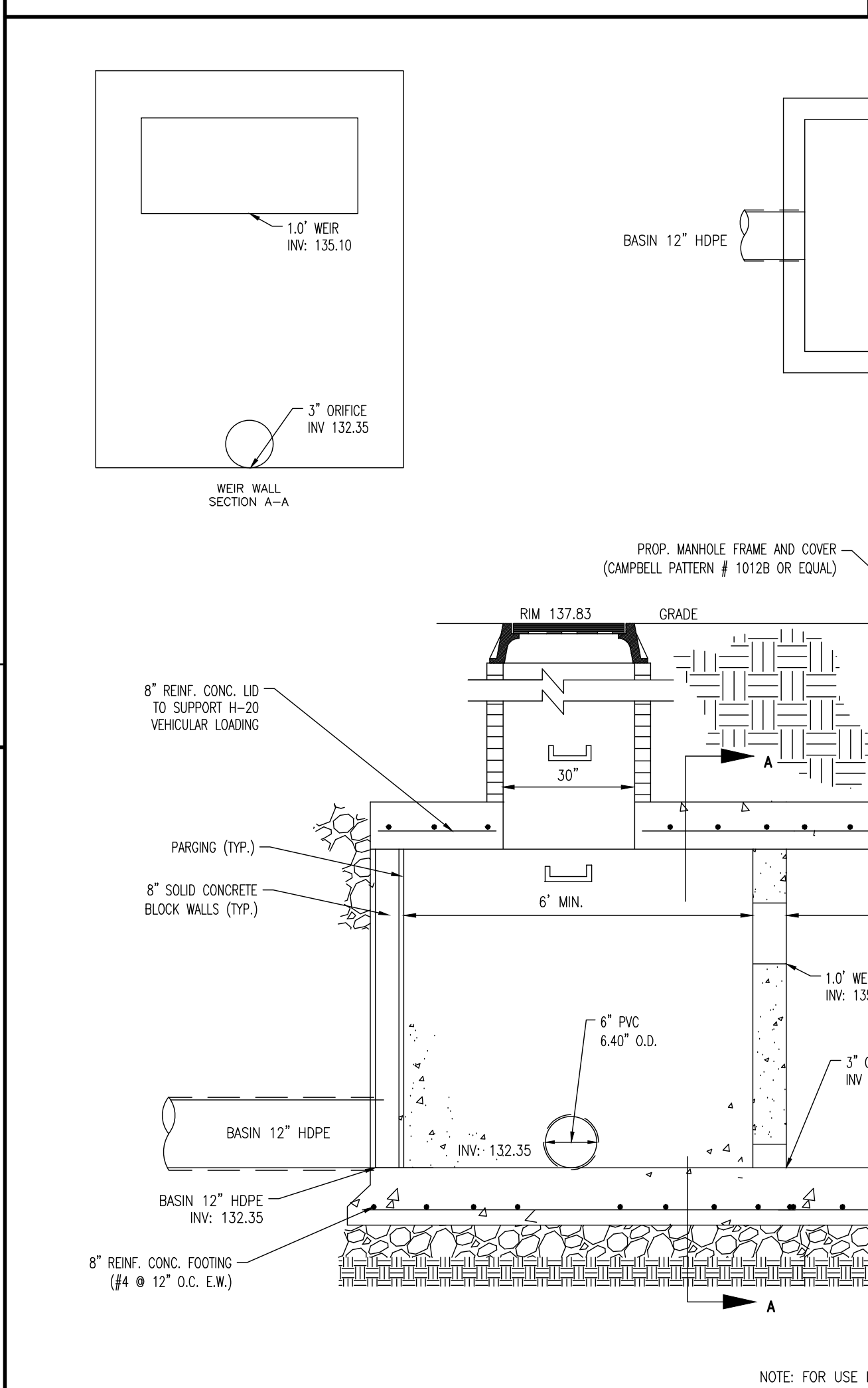
ROOF DRAIN WITH TEE, OVERFLOW & SPLASH BLOCK DETAIL
NOT TO SCALE



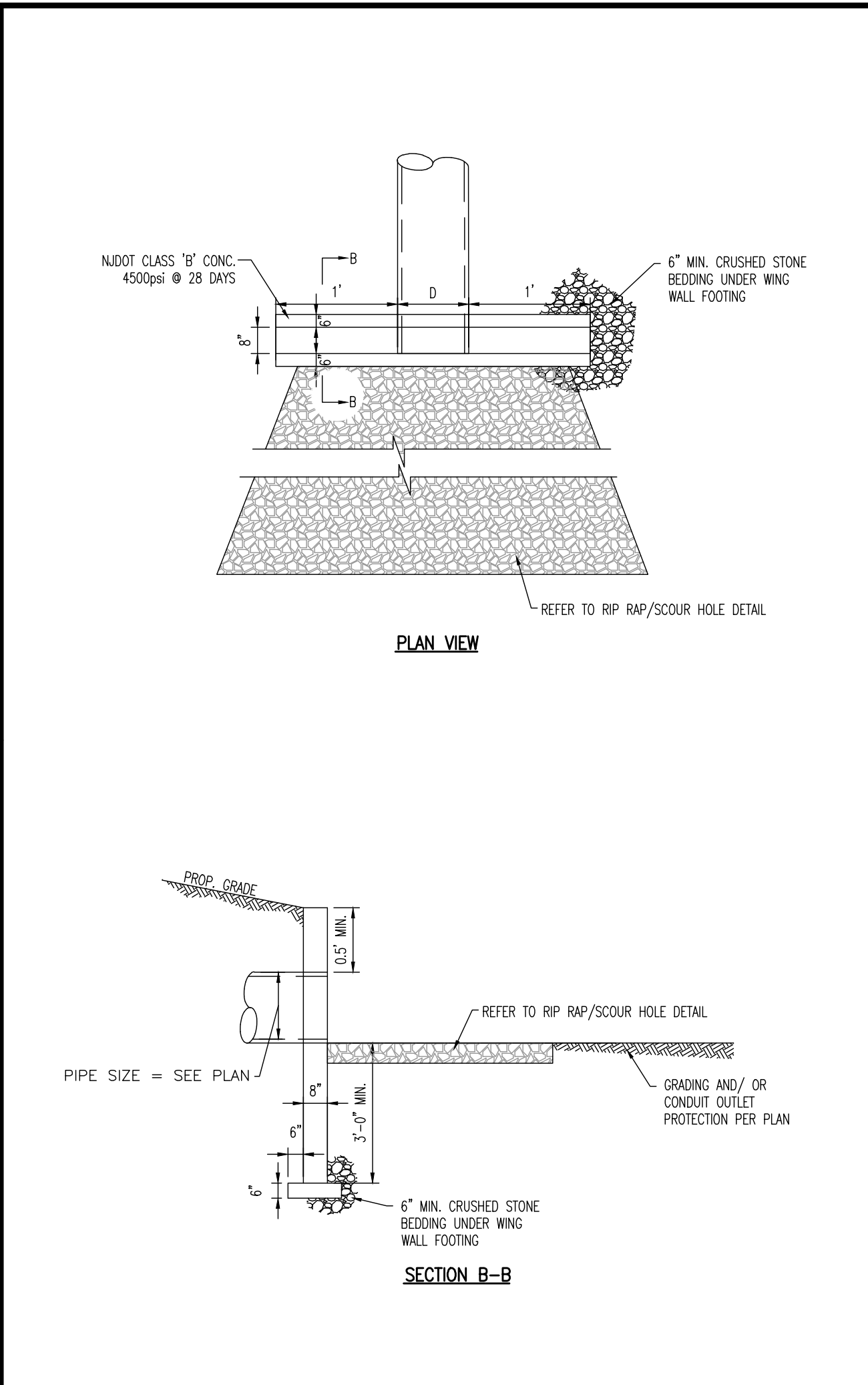
PAVER-BLOCK EMERGENCY SPILLWAY DETAIL
NOT TO SCALE



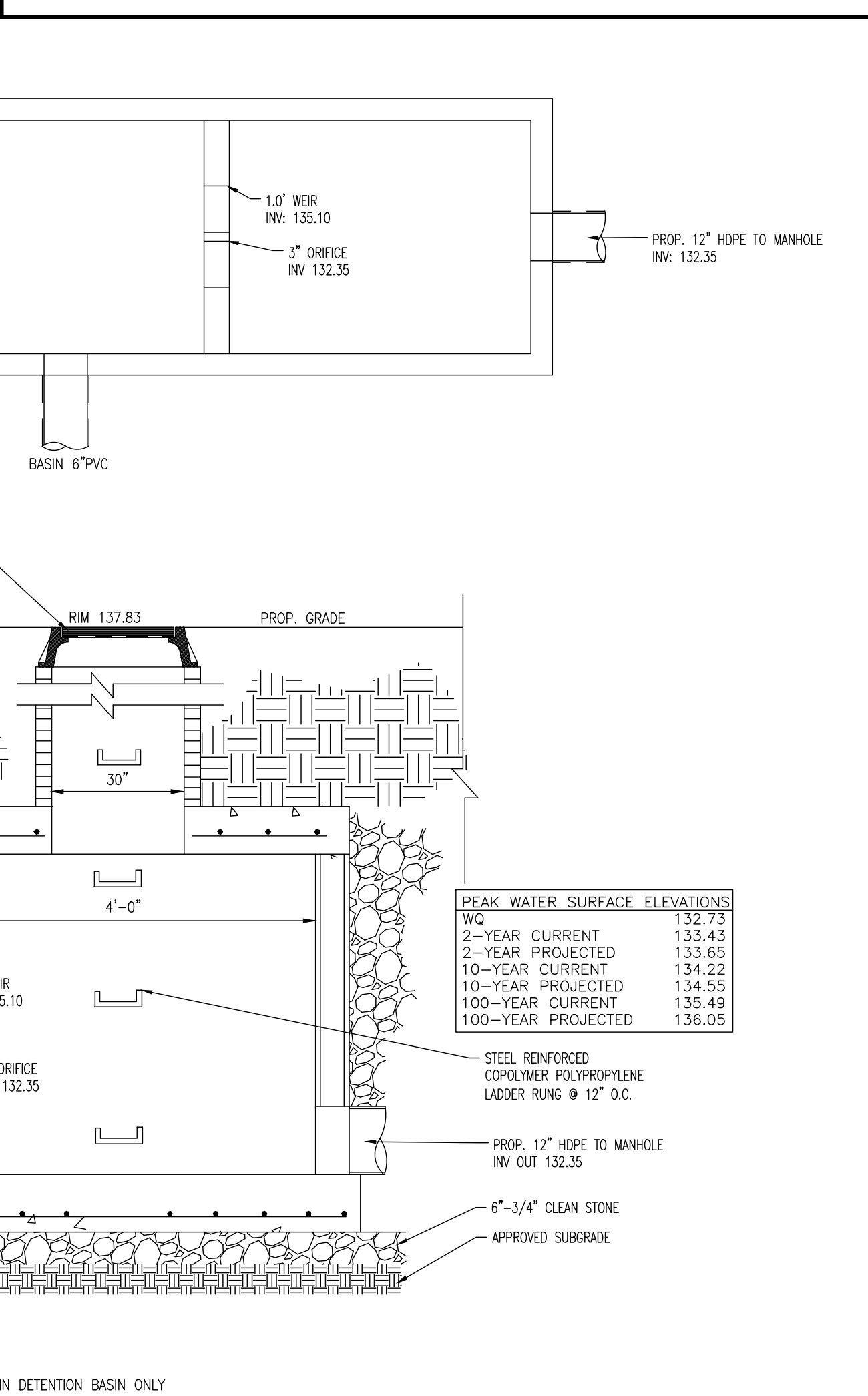
STORM SEWER TRENCH DETAIL
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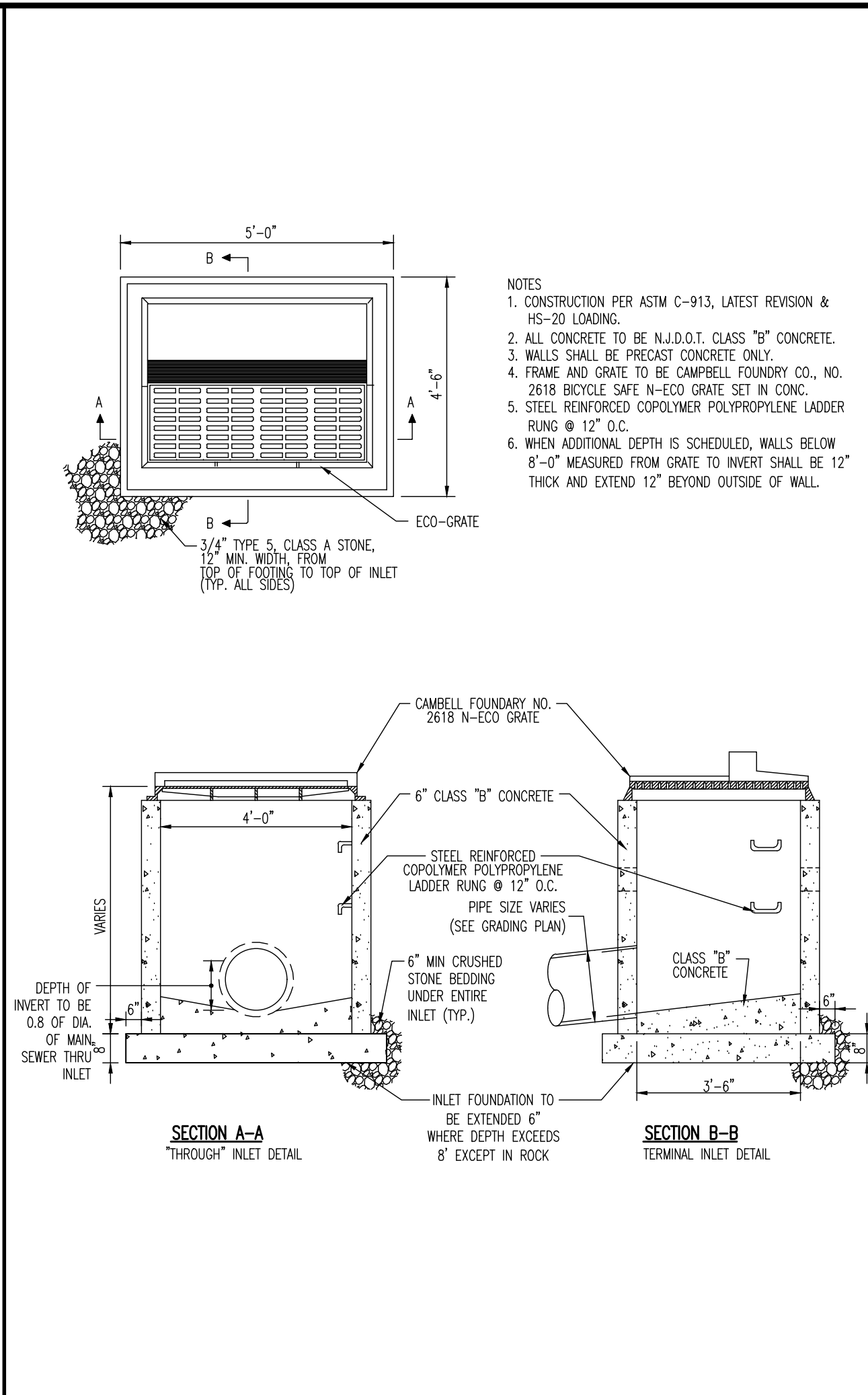
OUTLET CONTROL STRUCTURE #B DETAIL
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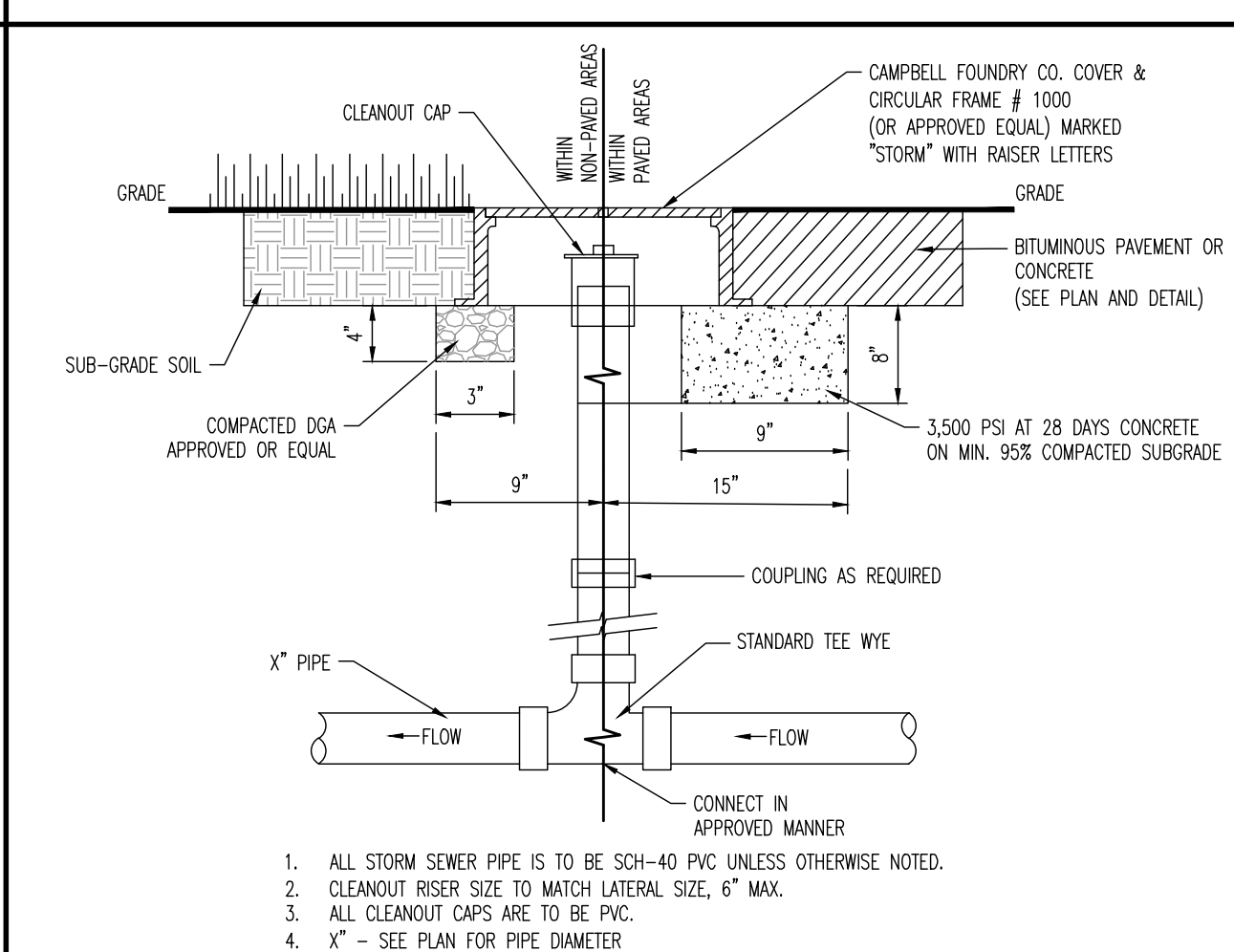
PRECAST CONCRETE HEADWALL DETAIL
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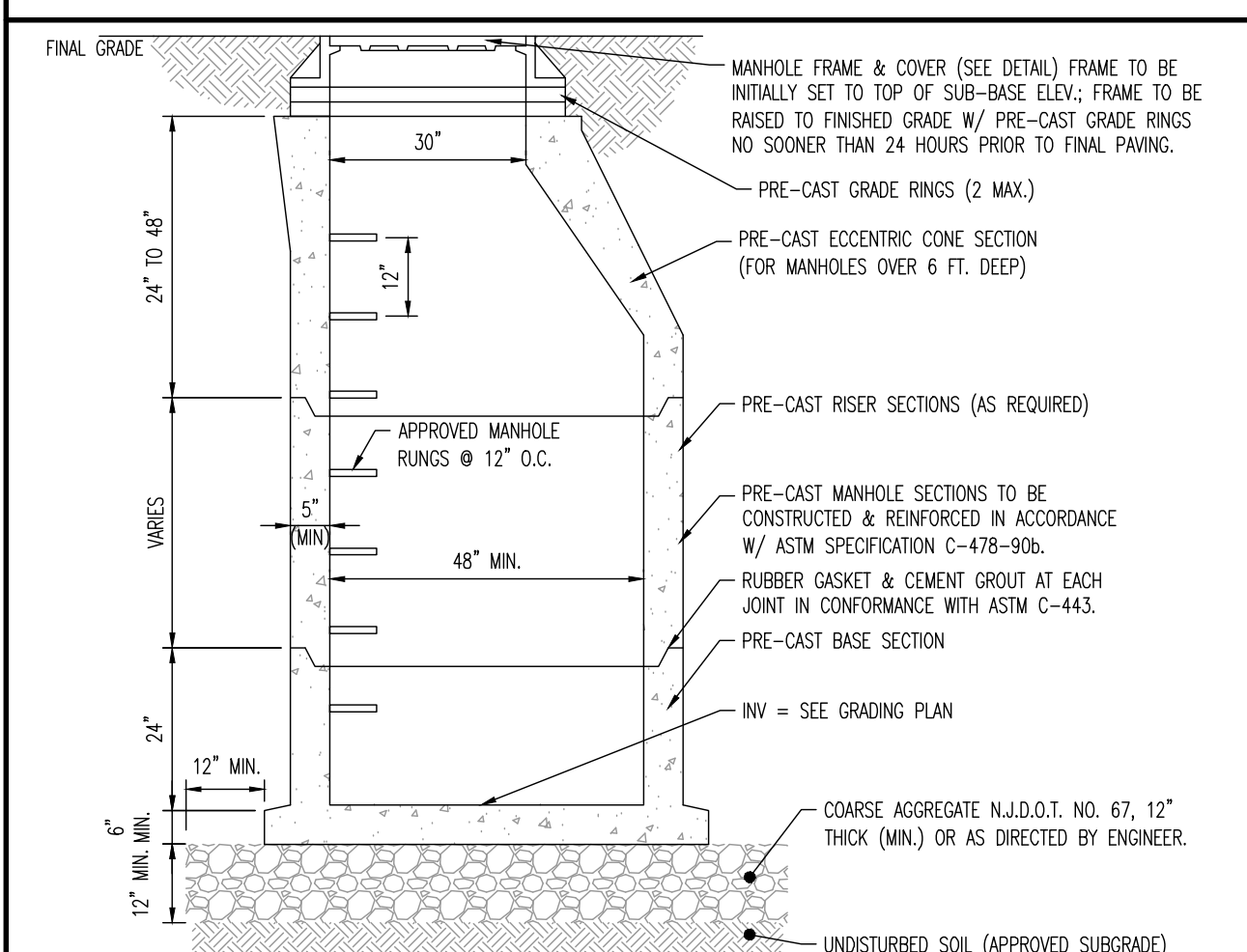
STORM PIPE THROUGH MASONRY BLOCK WALL DETAIL
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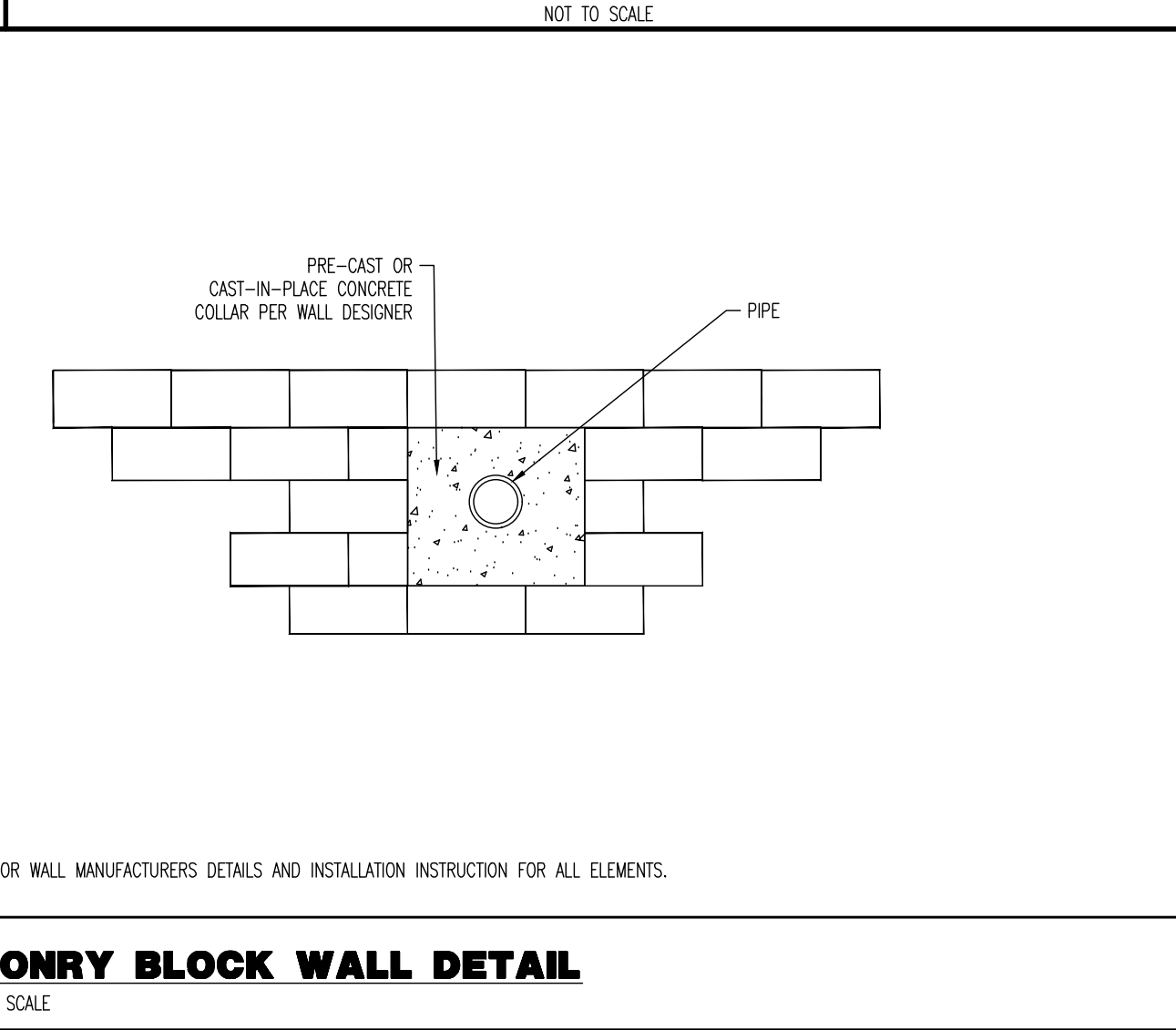
TYPE 'B' INLET
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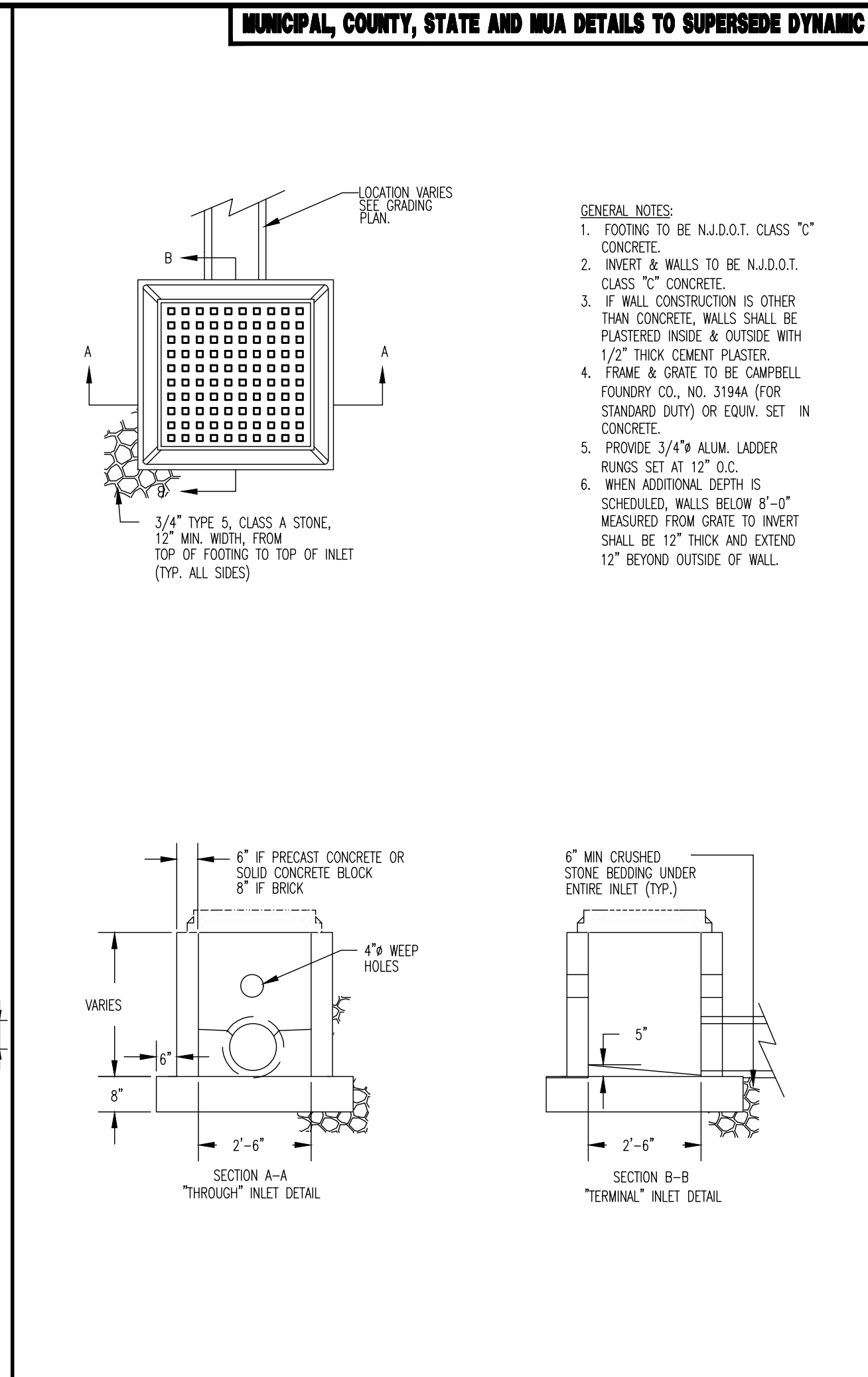
STORM CLEANOUT DETAIL
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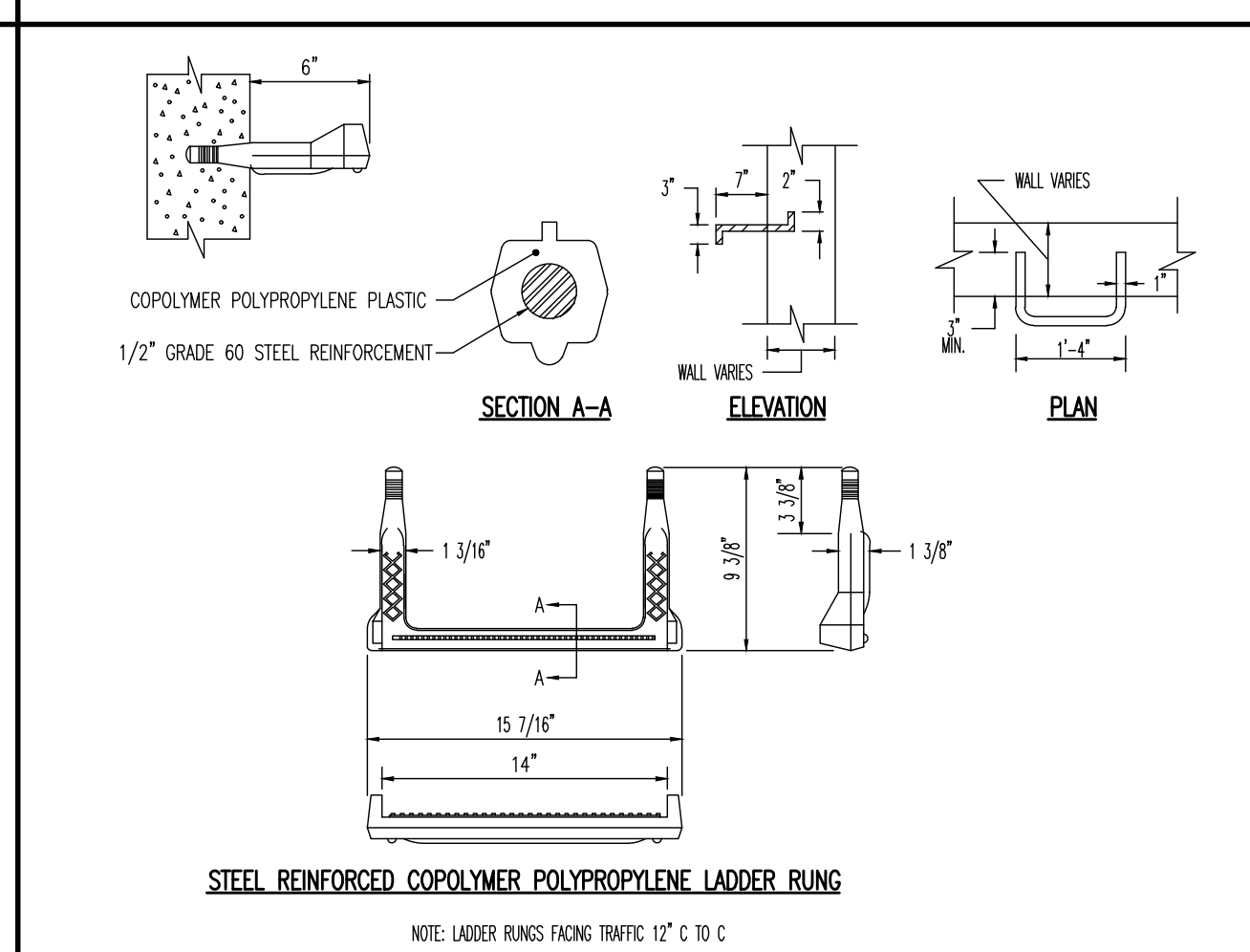
TYPICAL PRECAST STORM MANHOLE
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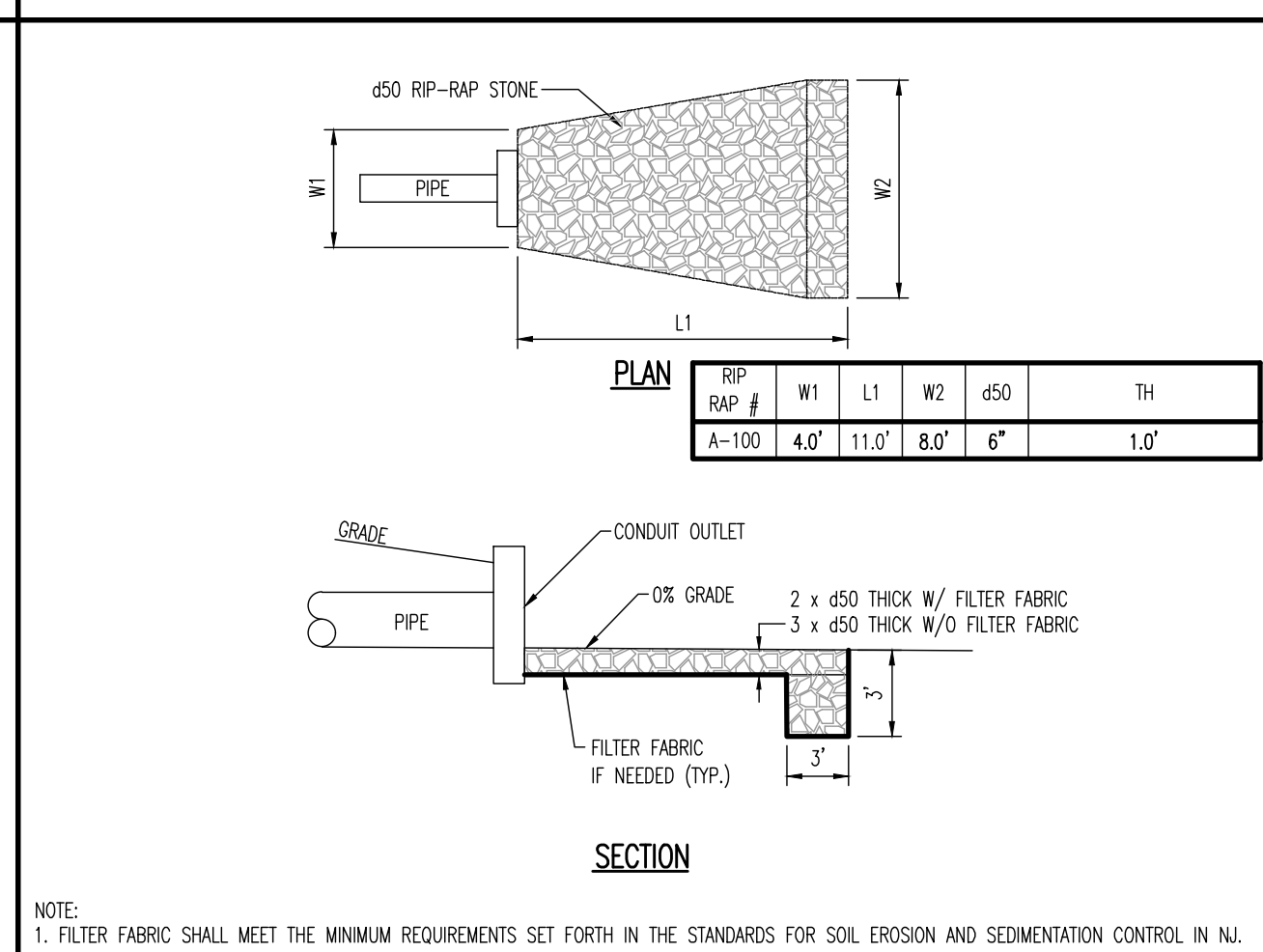
MUNICIPAL, COUNTY, STATE AND MUA DETAILS TO SUPERSEDE DYNAMIC ENGINEERING DETAILS WHERE APPLICABLE



YARD INLET DETAIL
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LADDER RUN DETAIL
NOT TO SCALE



RIP-RAP DETAIL
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JEFFREY HABERMAN
Professional Engineer
New Jersey License No. 53560

ROBERT P. FREUD
Professional Engineer
New Jersey License No. 41938

TITLE:
CONSTRUCTION DETAILS

SCALE: 1/8"=1'-0"
(V)
PROJECT No:
6201-26-00267

SHEET No:
12

DATE:
05/19/2026

Rev. #:
1

OF 14

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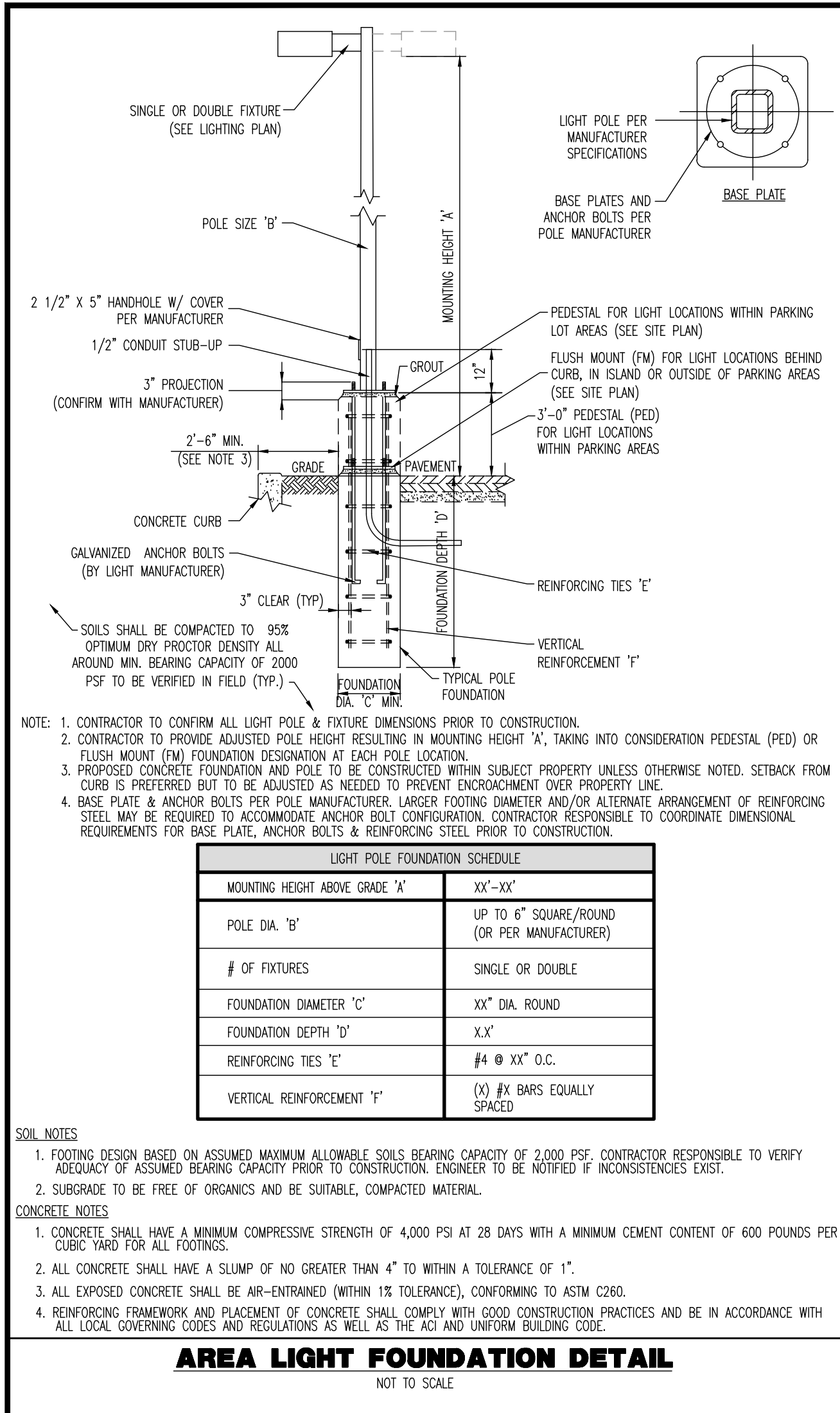
DRAWN BY: KTK
CHECKED BY: JSH
DESIGNED BY: KCP
TOWNSHIP OF LAWRENCE, MERCER COUNTY, NEW JERSEY

PROJECT: HOPE PRESBYTERIAN CHURCH
HOPE PRESBYTERIAN CHURCH
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Profile Area

Specification Sheet | BW400



Housing & Materials

Cast and extruded aluminum construction. Luminaire elements consist of a die cast and machined aluminum housing and sealed, UV stable, impact modified acrylic lens. All hardware is magnet-coated for optimum corrosion and "anti-sail" protection. Assembly is IP68 rated.

Electrical

Surge protected 120V - 277V 50/60Hz electronic driver, 0-10V dimming, -40°C start temperature. Cast aluminum driver compartment doors with weather-tight seal assembly located at bottom of pole. Available with optional ANSI C136.41 level lock receptacle.

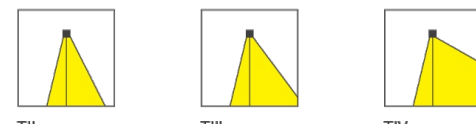
Light Engine

The Profile area light includes a performance luminaires) and optional grating and footlighting options. The performance luminaire features sealed, field replaceable LED cartridge with die-cast aluminum heatsink, high power LEDs on a RoHS compliant circuit board, and secondary optics. The optional grating and footlighting elements also feature a replaceable LED cartridge, high power LEDs on a RoHS compliant circuit board and secondary optics. All light engines are available in 2700K, 3000K, 3500K, and 4000K, >80CRI across all available color temperatures. All luminaire elements meet or exceed TM21 L70>80,000 hrs.

The Profile family of light columns brings together a variety of illumination techniques within a sleek and minimalist column design. Profile's "I-Beam" shape is recognizable as an architectural element, introducing crisp lines between light and shade on the surface of the column and a three dimensionality rarely seen outdoors.

Profile Area offers a range of performance output and distribution options, alongside visual interest and wayfinding features. Optional, decorative grating light engines highlight the iconic "I-beam" form, whilst the "footlight" ground the column at pedestrian scale.

Distributions



Warranty

LED lighting products are warranted for six years.

Certification

UL Listed for Wet Location, CE, DarkSky Approved (9000K CCT or lower), Bay America Compliant, RoHS Compliant, cUL (10' & 12' Only)

Designed by Linneae Tillett & Tillett Lighting Design Associates
Click here for patent information related to this product.

1 Revised November 3, 2025 | Landscape Forms Inc. | 800.521.2548 | F 269.381.3455 | 7800 E. Michigan Ave., Kalamazoo, MI 49048

Profile Bollard

Spec Sheet | BW100



Housing & Materials

One-piece welded pole made from hollow extruded aluminum "I" section with machined aluminum top and base plates. Cast aluminum base plate cover with hidden fasteners.

Electrical

Surge protected 120V through 277V 50/60Hz electronic driver, phase-out dimming, -50°C start temperature. Cast aluminum driver compartment doors with weather-tight seal assembly located at bottom of pole.

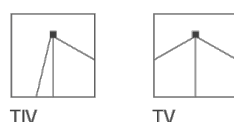
Light Engines

The Profile performance bollard has a replaceable LED cartridge that consists of die cast aluminum body with high power LEDs on RoHS compliant circuit board, secondary optics, and injection molded optical buffer. Sealed, UV stable, impact modified clear acrylic lens. Unit mounts to pole with magnet-coated hardware.

The Profile wayfinding bollard has a replaceable LED cartridge that consists of die cast aluminum body with high power LEDs on RoHS compliant circuit board, secondary optics, and injection molded optical buffer. Sealed, UV stable, impact modified clear acrylic lens. Unit mounts to pole with magnet-coated hardware.

All lighting engines are available in 2700K, 3000K, 3500K, and 4000K, >80CRI across all available color temperatures.

Distributions



Performance bollard only.

The Profile family of lights creates beautiful and intentional light emanating from a refined, minimalist design. Shadows from Profile's I-beam channels and modular design build a light experience like no other, creating poetry between the sculptural form and the play of light upon the object and its surroundings. Profile features a palette of configurable options that creates an aesthetic and performance to fit a variety of applications - from large, open areas and narrow pathways to landscape beds and building entrances.

Mounting

Available in surface mount only. Epoxy-embedded anchor bolts and base plate template included.

Warranty

LED lighting products are warranted for six years.

Certification

UL Listed for Wet Location, CE, Bay America Compliant, RoHS Compliant, Dark Sky Approved



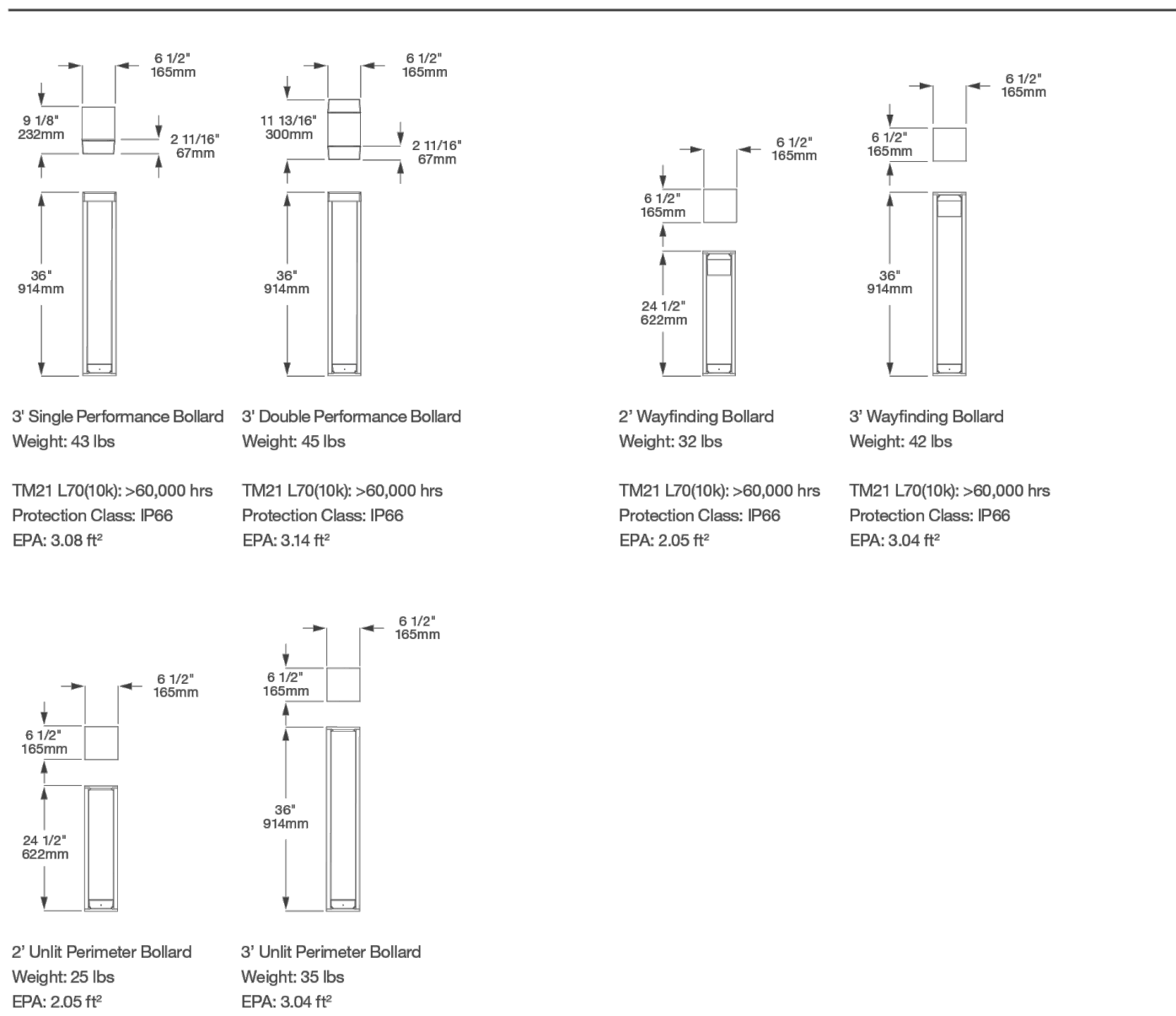
Designed by Linneae Tillett & Tillett Lighting Design Associates

Click here for patent information related to this product.

1 Revised November 3, 2025 | Landscape Forms Inc. | 800.521.2548 | F 269.381.3455 | 7800 E. Michigan Ave., Kalamazoo, MI 49048

Profile Bollard

Spec Sheet | BW100



2 Revised November 3, 2025 | Landscape Forms Inc. | 800.521.2548 | F 269.381.3455 | 7800 E. Michigan Ave., Kalamazoo, MI 49048

MUNICIPAL, COUNTY, STATE AND MUA DETAILS TO SUPERSEDE DYNAMIC ENGINEERING DETAILS WHERE APPLICABLE

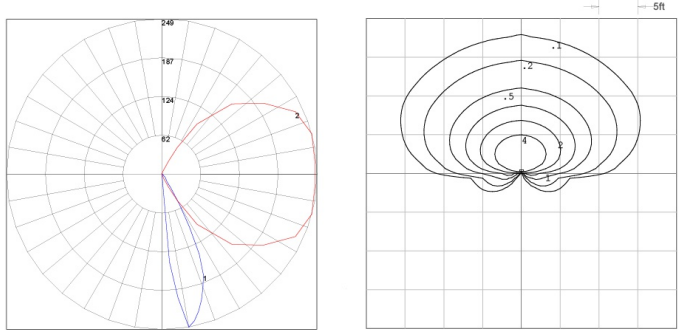
Profile Bollard

Spec Sheet | BW100

Model	Distribution Type	Drive Current	Delivered Lumens	System Wattage	Bug Rating	Lens
Performance Bollard	Type IV	400mA	470	8	B0-U1-G1	Frosted
Performance Bollard	Type V	700mA	820	16	B1-U1-G1	Frosted
Wayfinding Bollard	N/A	350mA	52	7	B0-U1-G0	Clear

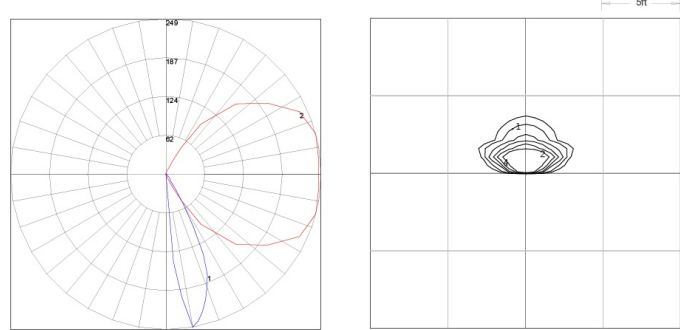
This data is subject to change.
*Type 3 Profile Performance Bollard consists of back to back Type 4 light engines

Performance Bollard



Maximum Candels = 291.6
Located At Horizontal Angle = 0
Vertical Angle = 45

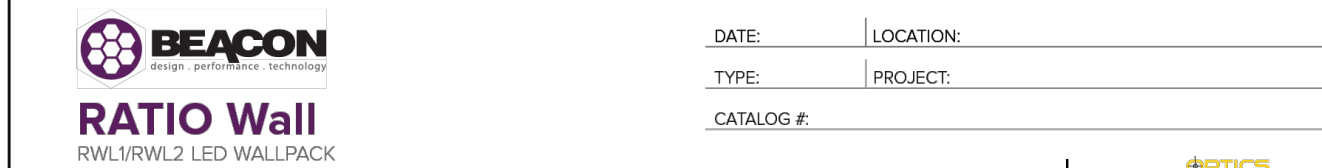
Wayfinding Bollard



Maximum Candels = 948.0
Located At Horizontal Angle = 15
Vertical Angle = 15

3 Revised November 3, 2025 | Landscape Forms Inc. | 800.521.2548 | F 269.381.3455 | 7800 E. Michigan Ave., Kalamazoo, MI 49048

Job Name: FOUNDATION ACADEMIES COLLEGIATE - 9-12 CHARTER HIGH SCHOOL
Architect: FAREWELL ARCHITECTS LLC (Princeton)
Engineer: LORING CONSULTING ENGINEERS (Princeton)
Catalog Number: RWL1-48L-25-SK7-3-UNV-XXX
Notes: XXX = SPECIFY FINISH
Type: W1
Model: 23662



FEATURES

- Low profile LED wall luminaire with a variety of IES distributions for lighting applications such as retail, commercial and industrial building mount
- Featuring Strike and Micro Strike Optics which maximizes target zone illumination with minimal losses at the housings, reducing light trespass issues
- Visual comfort standard
- Control options including photo control, occupancy sensing, No Distributed Intelligence™, LightGrid™ and 2-in-1 with networked controls
- Battery Backup options available for emergency code compliance
- Quick-mount adapter allows easy installation/maintenance
- 347V and 480V versions for industrial applications and Canada



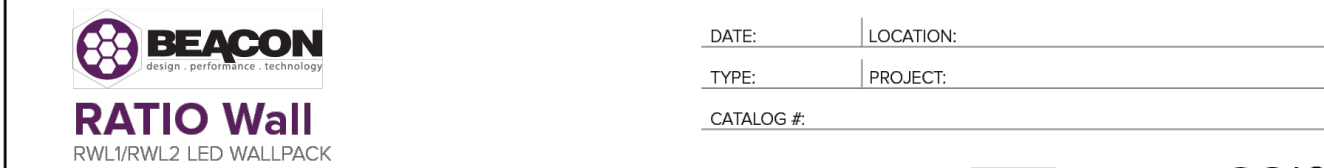
SPECIFICATIONS

- Construction
 - Die-cast housing with hidden vertical heat fin that are optimized for heat dissipation while keeping a clean smooth outer surface
 - Corrosion resistant, die-cast aluminum housing with powder coat paint finish
 - Powder paint finish provides durability in outdoor environments. Tested to meet 1000 hour salt spray rating
- Optics
 - Extra optical aperture luminaires to create a larger luminous surface area resulting in a low glare appearance without sacrificing output performance
 - 48 or 90 millimeter LEDs
 - 3000K, 4000K or 5000K (D/CWB CCT or lower), Bay America Compliant, RoHS Compliant, cUL (10' & 12' Only)
- Installation
 - Quick-mount adapter provides easy installation to wall or for recessed junction boxes (4" square junction box)
 - Designed for direct down mount
 - Integral back box contains 1/2" conduit tube
 - Integral back box standard with Dual Driver, Dual Power Feed, NC, LightGrid™ and battery versions (Battery versions for RWL1 only)
- Electrical
 - 120V-277V universal voltage 50/60Hz 0-10V dimming drivers
 - 347V and 480V dimmable driver option for all wattages above 30W
 - Ambient operating temperature -40°C to 40°C
 - Driver RoHS and IP68

- Controls (CONTINUED)
 - Dual Driver and Dual Power Feed options creates product configuration with 2 internal drivers for code compliance
 - Please consult based or sales representative when combining control and electrical options as some combinations may not operate as anticipated depending on your application
 - LightGrid™ available with future wireless control module, features dimming and occupancy sensor. Also available in 7-pin configuration
- Certifications
 - Certified to UL 1598 and CSA 22.3F2500-24 for wet locations
 - IP68 rated housing
 - ULCIP (Lighting Industry Consortium Qualified), with some Premium Qualified configurations, not all product variations listed in this document are ULCIP qualified. Refer to http://www.designlighting.org for the most up-to-date list.
 - Emergency battery backup options are California Energy Commission (CEC) Title 20 Compliant
 - Meets DA requirements using 3K CCT configuration at 5 degrees or 18
- Warranty
 - 5 year limited warranty

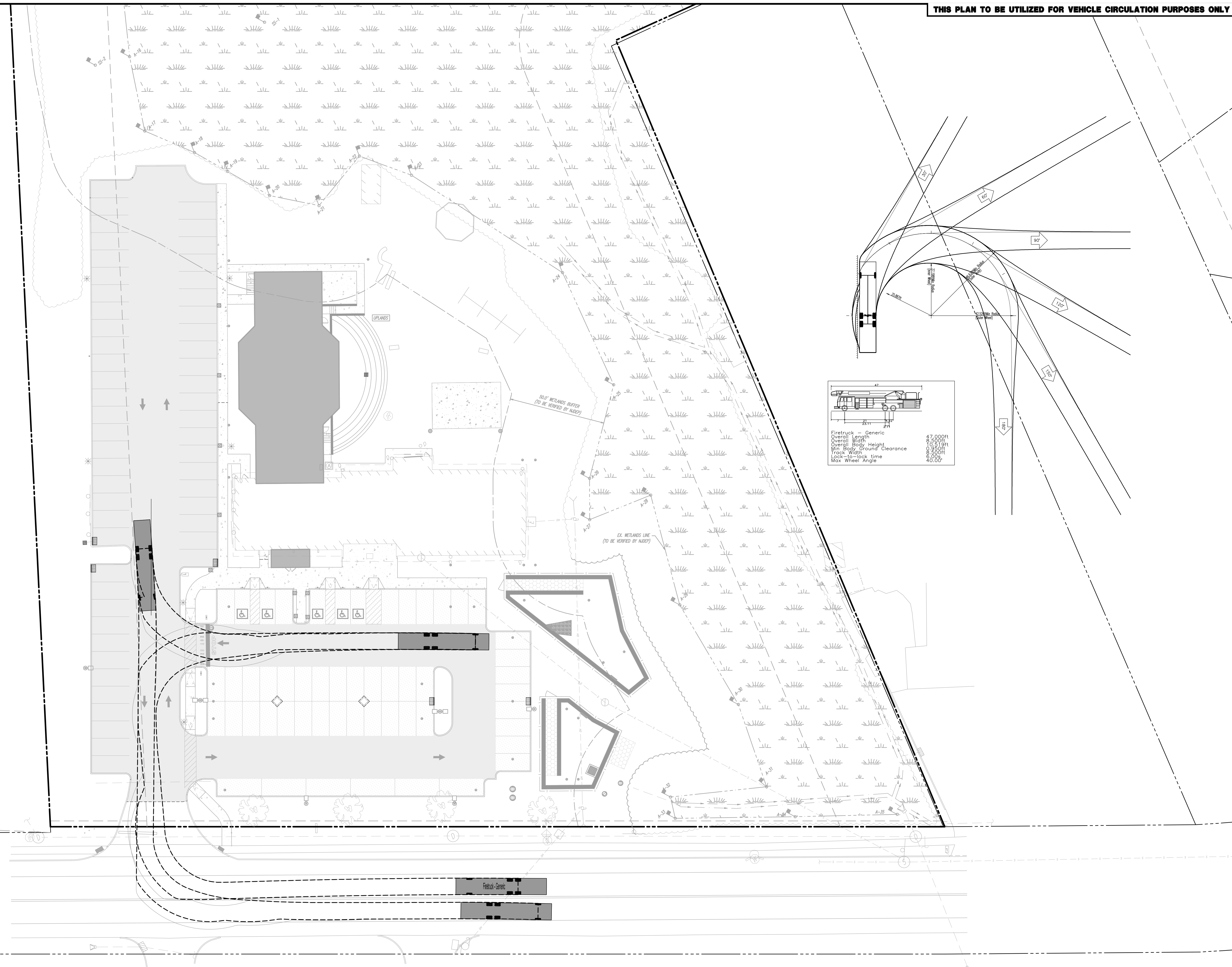
Current®
currentlighting.com/beacon
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Ratls_Wall_Spec_Sheet_2026
Page 1 of 10
Rev: 05/19/26

Job Name: FOUNDATION ACADEMIES COLLEGIATE - 9-12 CHARTER HIGH SCHOOL
Architect: FAREWELL ARCHITECTS LLC (Princeton)
Engineer: LORING CONSULTING ENGINEERS (Princeton)
Catalog Number: RWL1-48L-25-SK7-3-UNV-XXX
Notes: XXX = SPECIFY FINISH
Type: W1
Model: 23662



ORDERING GUIDE

RW1		48L-25	3K7	3	UNV	ADVISE FINISH
Series	LEDs - Voltage	Optics	Distribution	Wattage	UNV	ADVISE FINISH
RW1 Mono Strike Optics	48L-25 1000 Lumens**	48L-30 1000 Lumens**	48L-30 1000 Lumens**	48L-30 1000 Lumens**	48L-30 1000 Lumens**	48L-30 1000 Lumens**
	48L-30 2000 Lumens**	48L-30 2000 Lumens**	48L-30 2000 Lumens**	48L-30 2000 Lumens**	48L-30 2000 Lumens**	48L-30 2000 Lumens**
	48L-30 2500 Lumens**	48L-30 2500 Lumens**	48L-30 2500 Lumens**	48L-30 2500 Lumens**	48L-30 2500 Lumens**	48L-30 2500 Lumens**
	48L-35 3500 Lumens**	48L-35 3500 Lumens**	48L-35 3500 Lumens**	48L-35 3500 Lumens**	48L-35 3500 Lumens**	48L-35 3500 Lumens**
	48L-35 4500 Lumens**	48L-35 4500 Lumens**	48L-35 4500 Lumens**	48L-35 4500 Lumens**	48L-35 4500 Lumens**	48L-35 4500 Lumens**
	48L-45 5500 Lumens**	48L-45 5500 Lumens**	48L-45 5500 Lumens**	48L-45 5500 Lumens**	48L-45 5500 Lumens**	48L-45 5500 Lumens**
	60L-45 6500 Lumens**	60L-45 6500 Lumens**	60L-45 6500 Lumens**	60L-45 6500 Lumens**	60L-45 6500 Lumens**	60L-45 6500 Lumens**
	60L-60 7500 Lumens**	60L-60 7500 Lumens**	60L-60 7500 Lumens**	60L-60 7500 Lumens**	60L-60 7500 Lumens**	60L-60 7500 Lumens**
	60L-60 8500 Lumens**	60L-60 8500 Lumens**	60L-60 8500 Lumens**	60L-60 8500 Lumens**	60L-60 8500 Lumens**	60L-60 8500 Lumens**
	60L-80 10000 Lumens**	60L-80 10000 Lumens**	60L-80 10000 Lumens**	60L-80 10000 Lumens**	60L-80 10000 Lumens**	60L-80 10000 Lumens**
RW1 Mono Strike Optics	60L-95 15000 Lumens**	60L-95 15000 Lumens**	60L-95 15000 Lumens**	60L-95 15000 Lumens**	60L-95 15000 Lumens**	60L-95 15000 Lumens**
	60L-105 18000 Lumens**	60L-105 18000 Lumens**	60L-105 18000 Lumens**	60L-105 18000 Lumens**	60L-105 18000 Lumens**	60L-105 18000 Lumens**
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	60L-105 23500 Lumens**	60L-105 23500 Lumens**	60L-105 23500 Lumens**	60L-105 23500 Lumens**	60L-105 23500 Lumens**	60L-105 23500 Lumens**
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RW1 Mono Strike Optics	60L-105 27500 Lumens**	60L-105 27500 Lumens**	60L-105 27500 Lumens**	60L-105 27500 Lumens**	60L-105 27500 Lumens**	60L-105 27500 Lumens**
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RW1 Mono Strike Optics	60L-105 37500 Lumens**	60L-105 37500 Lumens**	60L-105 37500 Lumens**	60L-105 37500 Lumens**	60L-105 37500 Lumens**	60L-105 37500 Lumens**
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RW1 Mono Strike Optics	60L-105 47500 Lumens**	60L-105 47500 Lumens**	60L-105 47500 Lumens**	60L-105 47500 Lumens**	60L-105 47500 Lumens**	60L-105 47500 Lumens**
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RW1 Mono Strike Optics	60L-105 57500 Lumens**	60L-105 57500 Lumens**	60L-105 57500 Lumens**	60L-105 57500 Lumens**	60L-105 57500 Lumens**	60L-105 57500 Lumens**
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RW1 Mono Strike Optics	60L-105 67500 Lumens**	60L-105 67500 Lumens**	60L-105 67500 Lumens**	60L-105 67500 Lumens**	60L-105 67500 Lumens**	60L-105 67500 Lumens**
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RW1 Mono Strike Optics	60L-105 77500 Lumens**	60L-105 77500 Lumens**	60L-105 77500 Lumens**	60L-105 77500 Lumens**	60L-105 77500 Lumens**	60L-105 77500 Lumens**
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RW1 Mono Strike Optics	60L-105 87500 Lumens**	60L-105 87500 Lumens**	60L-105 87500 Lumens**	60L-105 87500 Lumens**	60L-105 87500 Lumens**	60L-105 87500 Lumens**
	60L-105 88500 Lumens**	60L-105 88500 Lumens**	60L-105 88500 Lumens**	60L-105 88500 Lumens**	60L-105 88500 Lumens**	60L-105 88500 Lumens**
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	60L-105 92500 Lumens**	60L-105 92500 Lumens**	60L-105 92500 Lumens**	60L-105 92500 Lumens**	60L-105 92500 Lumens**	60L-105 92500 Lumens**
	60L-105 93500 Lumens**	60L-105 93500 Lumens**	60L-105 93500 Lumens**	60L-105 93500 Lumens**	60L-105 93500 Lumens**	60L-105 93500 Lumens**
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	60L-105 96500 Lumens**	60L-105 96500 Lumens**	60L-105 96500 Lumens**	60L-105 96500 Lumens**	60L-105 96500 Lumens**	60L-105 96500 Lumens**
RW1 Mono Strike Optics	60L-105 97500 Lumens**	60L-105 97500 Lumens**	60L-105 97500 Lumens**	60L-105 97500 Lumens**	60L-105 97500 Lumens**	60L-105 97500 Lumens**
	60L-105 98500 Lumens**	60L-105 98500 Lumens**	60L-105 98500 Lumens**	60L-105 98500 Lumens**	60L-105 98500 Lumens**	60L-105 98500 Lumens**
	60L-105 99500 Lumens**	60L-105 99500 Lumens**	60L-105 99500 Lumens**	60L-105 99500 Lumens**	60L-105 99500 Lumens**	60L-105 99500 Lumens**
	60L-105 100500 Lumens**	60L-105 100500 Lumens**	60L-105 100500 Lumens**	60L-105 100500 Lumens**	60L-105 100500 Lumens**	60L-105 100500 Lumens**
	60L-105 101					



DYNAMIC
• ENGINEERING • EARTH
• SURVEY • TRAFFIC

[illegible]

BLOCK 5401, LOT 118
140 DENOW ROAD
TOWNSHIP OF LAWRENCE, MERCER COUNTY, NEW JERSEY

FOR STATE SPECIFIC DIRECT PHONE NUMBERS VISIT:
WWW.CALL811.COM

PROFESSIONAL ENGINEER
NEW JERSEY LICENSE No. 53560

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NEW JERSEY LICENSE No. 41938

TITLE: VEHICLE
CIRCULATION
PLAN – FIRE
TRUCK

SHEET No: _____ Rev. #: _____

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GRAPHIC SCALE

(IN FEET)
1 INCH = 20 FT.

DENOW ROAD
(AKA EMMINGVILLE-LAWRENCEVILLE ROAD)
(66' WIDE PUBLIC R.O.W.)
-PER DEEDS, TAX MAP, & MNDOT PLANS
(ASPHALT ROADWAY)
(TWO-WAY TRAFFIC)

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