

GENERAL NOTES:

- OWNER:**
Z&F LLC
13 MOEBUS PLACE
CLINTON TOWN, NJ 08809
- APPLICANT:**
PULEO INTERNATIONAL, INC.
c/o MR. CHRIS PULEO
3614 KENNEDY ROAD
SOUTH PLAINFIELD, NJ 07080
- BOUNDARY INFORMATION SHOWN HEREON WAS PREPARED UTILIZING A TITLE COMMITMENT, PREPARED BY ALLIED TITLE, LLC AS AGENTS FOR FIRST AMERICAN TITLE INSURANCE COMPANY (COMMITMENT NO. 6265-NJ-20), HAVING AN EFFECTIVE DATE OF MAY 1, 2020.
- THESE PLANS ARE NOT TO BE USED AS SURVEYS. REFER TO REFERENCE SOURCES FOR BOUNDARY AND TOPOGRAPHIC INFORMATION (NOTE # 2, & # 3 ABOVE).
- ALL ELEVATIONS FOR THIS PROJECT ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88), ESTABLISHED BY REAL-TIME KINEMATIC (RTK) GLOBAL POSITIONING SYSTEM (GPS) OBSERVATIONS.
- THE SUBJECT PARCEL, BLOCK 18 LOT 5, CONSISTS OF 573,519.379 S.F. (13.166 ACRES).
- NO DEED RESTRICTIONS OR COVENANTS ARE PROPOSED FOR THE SITE.

NOTES:

- SEE ENGINEERING DETAIL SHEETS FOR ALL SITE DETAILS AND SUPPORTING NOTES.
- THIS SET OF PLANS HAS BEEN PREPARED FOR THE PURPOSES OF MUNICIPAL AND AGENCY APPROVAL. THIS SET OF PLANS SHALL NOT BE UTILIZED FOR CONSTRUCTION DOCUMENTS UNTIL ALL CONDITIONS OF APPROVAL HAVE BEEN SATISFIED ON THE DRAWINGS AND EACH DRAWING HAS BEEN MARKED "ISSUED FOR CONSTRUCTION."
- THE LOCATION, TYPE, LINE, SIZE, DEPTH, ETC. OF ALL EXISTING UTILITIES, ARE APPROXIMATE. LOCATION OF SERVICE LATERALS MUST BE VERIFIED IN THE FIELD BY THE CONTRACTOR AND AT HIS OWN EXPENSE PRIOR TO THE START OF CONSTRUCTION.

CERTIFIED PROPERTY OWNERS

(WITHIN 200 FEET OF SUBJECT PROPERTY)

* NOTICE TO BE SERVED FROM CERTIFIED LIST OBTAINED FROM CLINTON TOWN & CLINTON TOWNSHIP

CLINTON TOWN			CLINTON TOWNSHIP		
BLOCK	LOT	NAME / ADDRESS	BLOCK	LOT	NAME / ADDRESS
14	31.01	ANGELO YACONE & MELISSA GALLAGHER 25 GEORGES PLACE CLINTON, NJ 08809	71	26	KEMPROSKI, CHRIS & JUDITH E 25 RIVER BEND ROAD CLINTON, NJ 08809
17.01	2.01	14 MOEBUS LLC 14 MOEBUS PLACE CLINTON, NJ 08809	71	27	RESZKA, IRENEUSZ & IWONA 23 RIVER BEND ROAD CLINTON, NJ 08809
17.01	2.02	RICK JIM LLC 12 MOEBUS PLACE CLINTON, NJ 08809	71.02	1	TREMBLY, LISA J 21 RIVER BEND ROAD CLINTON, NJ 08809
17.01	3	SARANNA LLC 5 DEER HILL ROAD ASBURY, NJ 08802	71.02	2	LUCAS, ANTHONY G & SUSAN A 19 RIVER BEND ROAD CLINTON, NJ 08809
19	1	WILLIAM & MINGA CULLEN 14 HILLCREST PARK CLINTON, NJ 08809	71.02	3	PORRETTA, THOMAS C & EILEEN M 17 RIVER BEND ROAD CLINTON, NJ 08809
19	2	CEARA & DAVID CLEVES 16 HILLCREST PARK CLINTON, NJ 08809	71.02	4	DECKMAN, PAMELA 2 WOODS EDGE COURT CLINTON, NJ 08809
19	3	FRANK & JOAN HOOPER C/O DAN TORRONE 15 WEST MAIN STREET CLINTON, NJ 08809	71.02	5	BETTENHAUSEN, CHRISTOPHER P & SARAH 4 WOODS EDGE COURT CLINTON, NJ 08809
19	4	GLEN C. & TOBY L. PRESTON 20 HILLCREST PARK CLINTON, NJ 08809	71.02	6	KOMOROSKI, STEPHEN & MARIA 6 WOODS EDGE COURT CLINTON, NJ 08809
19	5	RICK JIM LLC 22 HARRISON STREET CLINTON, NJ 08809	71.02	7	WADE, ROBERT F & JOAN V 7 WOODS EDGE COURT CLINTON, NJ 08809
19	12.01	JUDITH MOLLER 24 GEORGES PLACE CLINTON, NJ 08809	71.02	8	ZEH, ROBERT & CAROL 5 WOODS EDGE COURT CLINTON, NJ 08809
19	12.02	MICHAEL TKAC & RABIYAH ALHAJ AREF 26 GEORGES PLACE CLINTON, NJ 08809	71.02	15	BROWN, LAWRENCE J 6 WILDFLOWER COURT CLINTON, NJ 08809
19	12.03	WILLIAM IVIE 28 GEORGES PLACE CLINTON, NJ 08809	71.02	16	GORAL, ROBERT 8 WILDFLOWER COURT CLINTON, NJ 08809
19	12.04	NICHOLAS SCIACCA & S. JIMENEZ 30 GEORGES PLACE CLINTON, NJ 08809	71.04	1	CLINTON TOWNSHIP BOARD OF EDUCATION PO BOX 6 ANNANDALE, NJ 08801.0006
STATE HIGHWAY 31		NEW JERSEY DEPARTMENT OF TRANSPORTATION PO BOX 600 TRENTON, NJ 08625-0600	72	1	HARRISON REAL ESTATE ASSOCIATES LLC 16 HARRISON STREET CLINTON, NJ 08809

ADDITIONAL PARTIES TO BE NOTIFIED

CLINTON WATER DEPARTMENT
ATTN: ART DYSART IV, WATER SUPERINTENDENT
PO BOX 5194
CLINTON, NJ 08809
PHONE: (908) 735 - 2265

COMCAST CABLE COMPANY
50 RANDOLPH ROAD
SOMERSET, NJ 08873
PHONE: (732) 652 - 2700

JCP&L (ELECTRICITY)
300 MADISON AVENUE & PUNCH BOWL ROAD
MORRISTOWN, NJ 07960
PHONE: (800) 662 - 3115

ELIZABETH GAS COMPANY
520 GREEN LANE
UNION, NJ 07083
PHONE: (800) 242 - 5830

TWP. OF CLINTON SEWERAGE AUTHORITY
79 BEAVER AVENUE SUITE 5
CLINTON, NJ 08809

CENTURYLINK - TELEPHONE COMPANY OF NEW JERSEY
ATTN: ENGINEERING DEPARTMENT
160 CENTER STREET
CLINTON, NJ 08809
PHONE: (866) 304 - 6820

AT&T
50 PATRICIA DRIVE
FLANDERS, NJ 07836
PHONE: (800) 252 - 1133

FIRST ENERGY CORPORATION
76 SOUTH MAIN STREET
AKRON, OH 44308

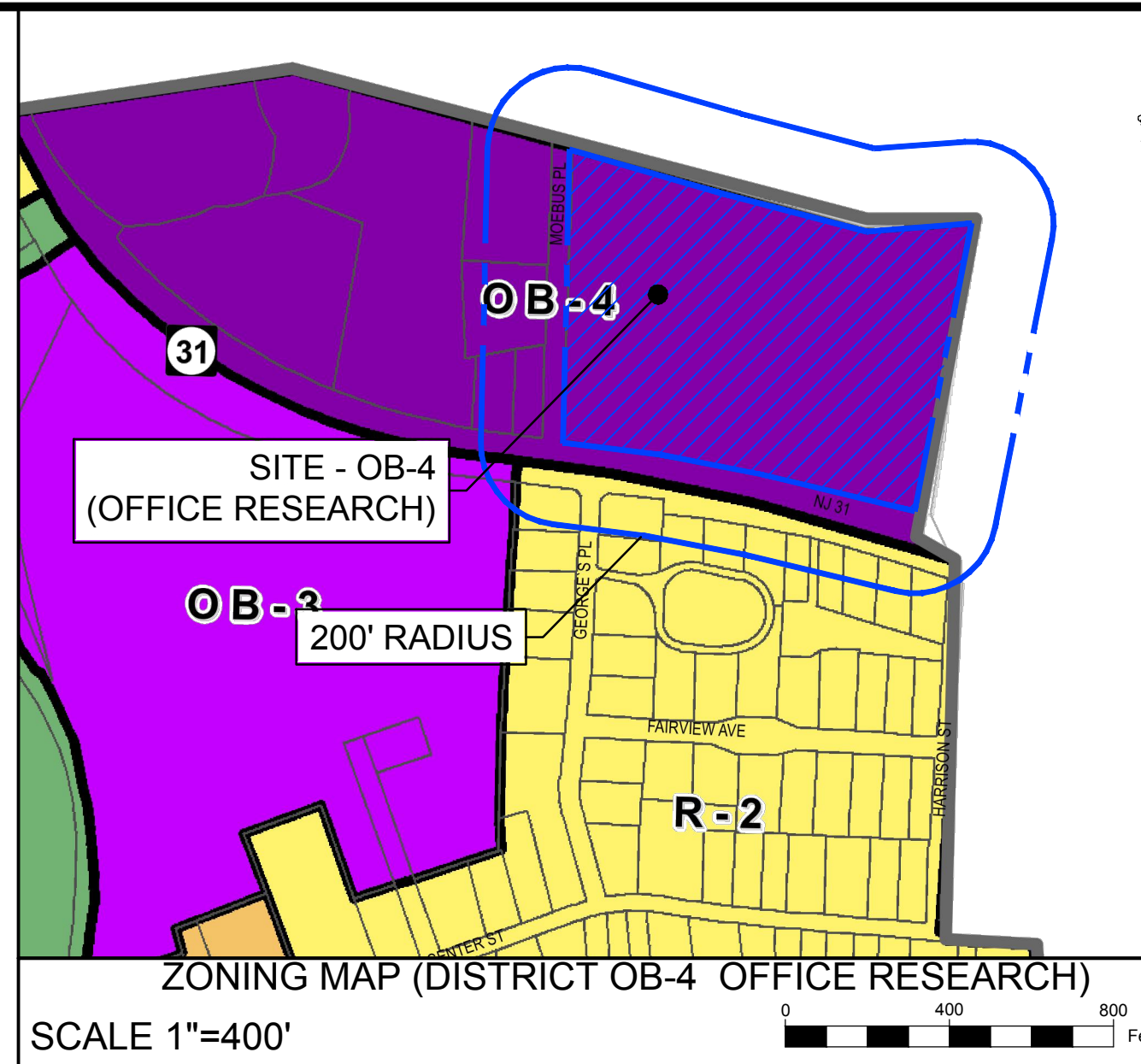
SPRINT UNITED TELEPHONE CO.
PO BOX 12913 (PROP. TAX DEPT.)
SHAWNEE MISSION, KS 66282-2913

NEW JERSEY-AMERICAN WATER COMPANY INC.
PO BOX 5827 (C/O GENERAL TAX DEPT.)
CHERRY HILL, NJ 08034

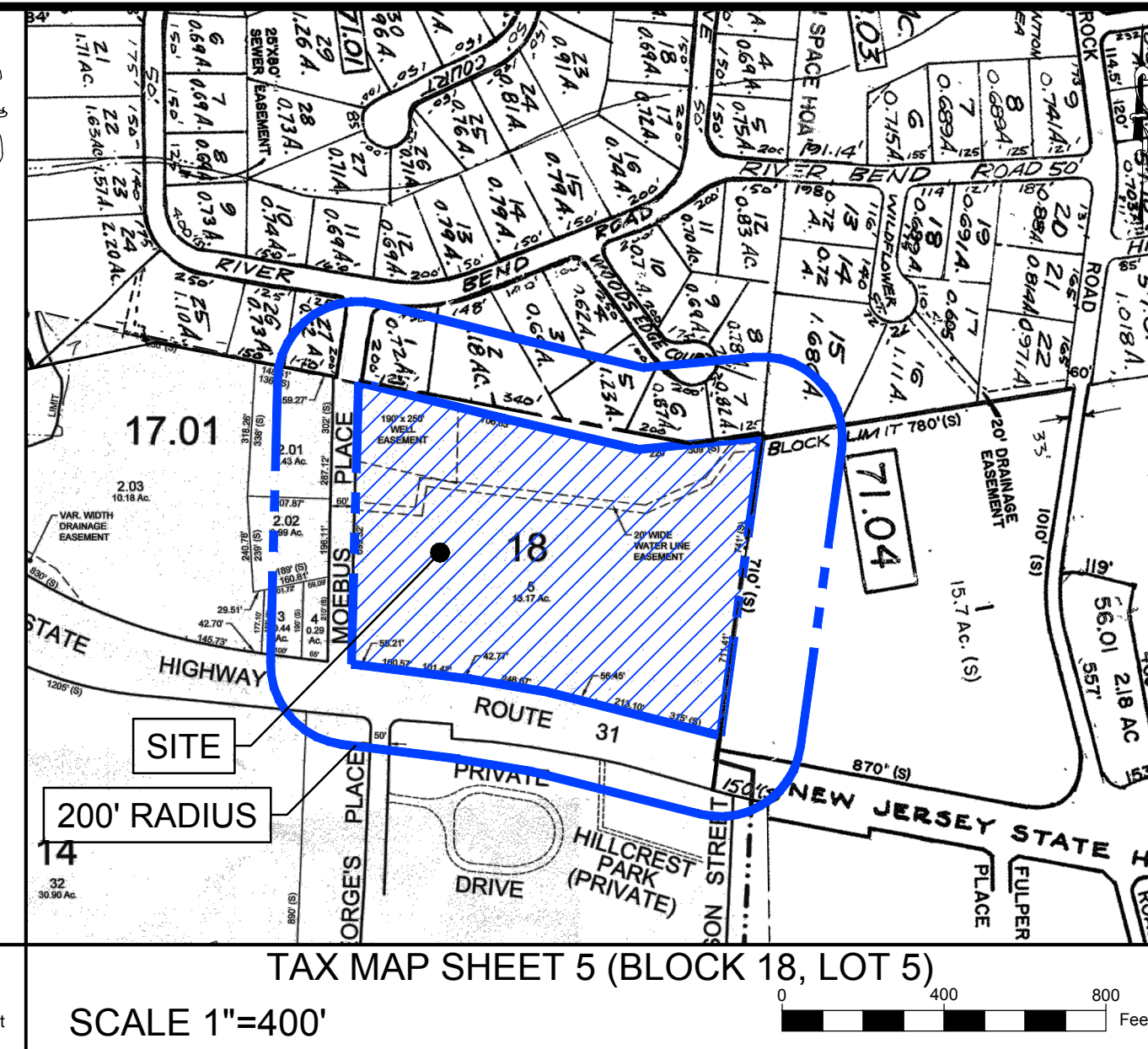
STATE & COUNTY AGENCIES

NEW JERSEY DEPARTMENT OF TRANSPORTATION
1035 PARKWAY AVENUE, CN 600
TRENTON, NJ 08625

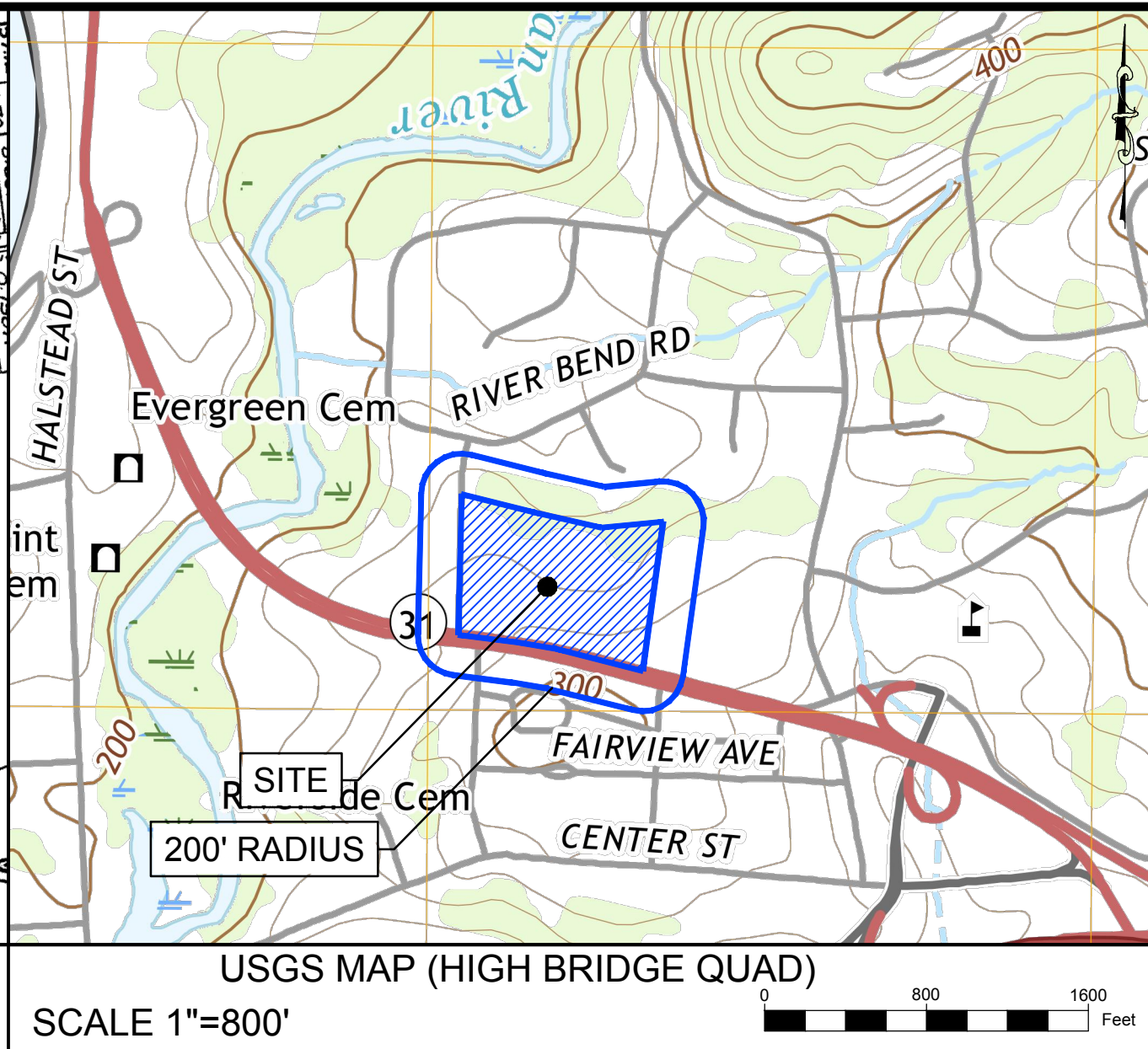
HUNTERDON COUNTY PLANNING BOARD
314 ROUTE 12, BUILDING #1 - FIRST FLOOR
PO BOX 2900
FLEMINGTON, NJ 08822-2900



ZONING MAP (DISTRICT OB-4 OFFICE RESEARCH)
SCALE 1"=400'



TAX MAP SHEET 5 (BLOCK 18, LOT 5)
SCALE 1"=400'



USGS MAP (HIGH BRIDGE QUAD)
SCALE 1"=800'

PRELIMINARY AND FINAL MAJOR SITE PLAN PULEO INTERNATIONAL, LLC



BLOCK 18 LOT 5
TOWN OF CLINTON, HUNTERDON COUNTY, NEW JERSEY

PREPARED BY
ENGINEERING & LAND PLANNING ASSOCIATES, INC.
140 WEST MAIN STREET, HIGH BRIDGE, NEW JERSEY 08829

PLAN INDEX

SHEET NO.	TITLE
1	COVER SHEET
2	LEGEND & NOTES
3	BOUNDARY & TOPOGRAPHIC SURVEY
4	DEMOLITION PLAN
5	SITE PLAN
6	GRADING & DRAINAGE PLAN
7	DETAILED GRADING PLAN
8	UTILITIES PLAN
9-12	UTILITIES PROFILE PLAN
13	LANDSCAPE PLAN
14	LIGHTING PLAN
15	SOIL EROSION & SEDIMENT CONTROL PLAN
16	SOIL EROSION & SEDIMENT CONTROL NOTES
17	SOIL EROSION & SEDIMENT CONTROL DETAILS
18-21	CONSTRUCTION DETAILS

TOWN OF CLINTON ZONING REQUIREMENTS

ITEM	REQUIRED	EXISTING	PROPOSED
ZONING DISTRICT	OB-4 (OFFICE RESEARCH ZONE)		
MIN. LOT AREA (S.F.)	217,000	573,519.38	573,519.38
MAX. DEPTH OF MEASUREMENT (FT.)	600	260	260
MIN. STREET WIDTH (FT.)	350	818	819
MIN. BUILDING LINE WIDTH (FT.)	350	N/A	845
BUILDING SETBACK FOR PRINCIPLE STRUCTURE			
FRONT YARD SETBACK (FT.)	100	N/A	148
SIDE YARD SETBACK - ONE SIDE (FT.)	50	N/A	114
SIDE YARD SETBACK - COMBINED (FT.)	100	N/A	332
REAR YARD SETBACK (FT.)	50	N/A	287
MAX. BUILDING HEIGHT (FT.)	40	N/A	42 (V)
MAX. BUILDING COVERAGE (%)	N/A	N/A	N/A
MAX. FLOOR AREA RATIO (%)	15	N/A	19.18 (1) (V)
MAX. IMPERVIOUS SURFACE COVERAGE (%)	50	N/A	42 (2) (240,955.0 SF)

NOTES:
(1) FLOOR AREA RATIO (FAR) CALCULATION DOES NOT INCLUDE AREA OF THE EXISTING WELLHOUSE
(2) MAXIMUM IMPERVIOUS SURFACE COVERAGE INCLUDES THE AREA UTILIZED FOR BANKED PARKING
(V) INDICATES VARIANCE REQUIRED

HUNTERDON COUNTY USE ONLY

CERTIFICATIONS / APPROVALS

MUNICIPALITY
THIS PLAN IS HEREBY APPROVED BY THE LAND USE BOARD OF THE TOWN OF CLINTON, HUNTERDON COUNTY, NEW JERSEY

DATE _____ BOARD CHAIRPERSON _____

DATE _____ BOARD SECRETARY _____

DATE _____ TOWN ENGINEER _____

I HEREBY CERTIFY THAT I AM THE PRESENT OWNER OF THE REFERENCED PROPERTY AND THAT I CONSENT TO THE FILING OF THIS MINOR SITE PLAN WITH THE LAND USE BOARD OF THE TOWN OF CLINTON.

DATE _____ OWNER SIGNATURE _____

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E&LP

140 WEST MAIN STREET HIGH BRIDGE, NJ 08829
PH. 908-238-0544 FAX. 908-238-9572
A PROFESSIONAL ASSOCIATION
CERTIFICATE OF AUTHORIZATION NO.: 24GA28021500 EXP. 8/31/2022

NO.	REVISION	BY	DATE
1	REV. PER TOWN COMMENTS	EM	1/5/21

1/5/2021
DATE

Wayne J. Ingram
WAYNE J. INGRAM
PROFESSIONAL ENGINEER
N.J. P.E. NO. 24GB04258200

PROJECT:
PULEO INTERNATIONAL, LLC
13 MOEBUS PLACE
BLOCK 18 LOT 5
TOWN OF CLINTON

HUNTERDON COUNTY NEW JERSEY

TITLE:
01_COVER - COVER

JOB NO.: 0120176
SCALE: N.T.S.
DESIGNED: EAJ
CHECKED: KFO
FILENAME: 01_COVER.DWG
DATE: 10 / 19 / 2020

DRAWING NO.:
1
21

STANDARD LEGEND

EXISTING		PROPOSED	
	RIGHT-OF-WAY / PROPERTY		
	SETBACK LINE		
	CURB		
	DEPRESSED CURB		
	UNDERGROUND ELEC.		
	UNDERGROUND GAS		
	UNDERGROUND WATER		
	UNDERGROUND TELEPHONE		
	OVERHEAD WIRES		
	WOOD FENCE		
	CHAIN LINK FENCE		
	UNDERGROUND PIPE		
	TREE LINE		
	CONTOUR		
	BOLLARD		
	P.S.E & G. MANHOLE		
	SEWER MANHOLE		
	WATER MANHOLE		
	MANHOLE		
	BELL MANHOLE		
	WATER METER		
	ELEC. METER		
	WATER VALVE		
	GAS VALVE		
	VALVE		
	SAN. SEWER VENT		
	CLEAN-OUT		
	FIRE HYD.		
	"A" SEWER INLET		
	"B" SEWER INLET		
	D.O.T. BOX		
	TRAFF. LIGHT STANDARD		
	TRAFF. SIGN		
	UTILITY POLE		
	OVERHEAD LIGHT		
	ROOF DRAIN		
	HEADWALL		
	HEADWALL AND APRON		
	DITCH		

	EXISTING		PROPOSED
		MONUMENT	
		ROW MONUMENT	
		TEST PIT (NUMBER)	
		BORING (NUMBER)	
		BUILDING TO BE DEMOLISHED	
		BASE LINE	
		HIGH POINT	
		LOW POINT	
		BENCH MARK	
		DECIDUOUS TREE	
		EVERGREEN TREE	
		SHRUB	
		WETLAND	
		CONCRETE	
		PERVIOUS PAVEMENT	
		BITUMINOUS CONCRETE	

STANDARD ABBREVIATIONS

AH., BK.	AHEAD, BACK	J.B.	JUNCTION BOX	RCP, R.C.P.	REINFORCED CONCRETE PIPE
\, B.L.	BASELINE	LT., RT.	LEFT, RIGHT	RMC, R.M.C.	RIGID NON-METALLIC CONDUIT
B.M.	BENCH MARK	L.O.P.	LIMIT OF PAVEMENT (PAVING)	ROW, R.O.W.	RIGHT OF WAY
B.T.	BELL TELEPHONE	L.O.M.	LIMIT OF MILLING	R.R.	RAILROAD
BIT., BITUM.	BITUMINOUS	M.B.	MAILBOX	RTE., RT.	ROUTE
BLDG.	BUILDING	M.P.	MILE POST	SAN.	SANITARY
. C.L.	CENTERLINE	MAX.	MAXIMUM	SDWK.	SIDEWALK
C.I.P.	CAST IRON PIPE	MIN.	MINIMUM	S.H.D.	STATE HIGHWAY DEPARTMENT
D.I.P.	DUCTILE IRON PIPE	NO.	NUMBER	SHLD.	SHOULDER
CONC.	CONCRETE	N.T.S.	NOT TO SCALE	. S.L.	SURVEY LINE
CULV.	CULVERT	PAVT.	PAVEMENT	S.O.D.	SUBBASE OUTLET DRAIN
D, DIA.	DIAMETER	PERF.	PERFORATED	STY.	STORY
D.C.	DROP CURB	P.G.L.	PROFILE GRADE LINE	T	TANGENT
DE	DITCH EXCAVATION	\, P.L.	PROPERTY LINE, PROFILE LINE	TBA	TO BE ABANDONED
DEP., DP	DEPRESSED CURB	PK	PARKER KAYLON MASONRY NAIL	TBR	TO BE REMOVED
DH	DRILL HOLE	POC, P.O.C.	POINT ON CURVE	TEL.	TELEPHONE
DWY	DRIVEWAY	POL, P.O.L.	POINT ON LINE	TEMP.	TEMPORARY
E.B., W.B.,	EASTBOUND, WESTBOUND	POT, P.O.T.	POINT ON TANGENT	THK., TH.	THICK
N.B., S.B.	NORTHBOUND, SOUTHBOUND	PRC, P.R.C.	POINT OF REVERSE CURVE	TYP.	TYPICAL
EL., ELEV.	ELEVATION	PROP.	PROPOSED	U.D.	UNDERDRAIN
EXIST.	EXISTING	PT, P.T.	POINT OF TANGENCY	UP, U.P.	UTILITY POLE
GR.	GRATE	PVC, P.V.C.	POLYVINYL CHLORIDE PIPE,	VAR.	VARIABLE, VARIES
HT.	HEIGHT	PVI, P.V.I.	POINT OF VERTICAL INTERSECTION	WM	WATER METER
H.W.	HEADWALL	PVT, P.V.T.	POINT OF VERTICAL TANGENCY, PAVEMENT		
HYD.	HYDRANT	R	RADIUS		
INV.	INVERT	RCCP, R.C.C.P.	REINFORCED CONCRETE CULVERT PIPE		
IP	IRON PIN				

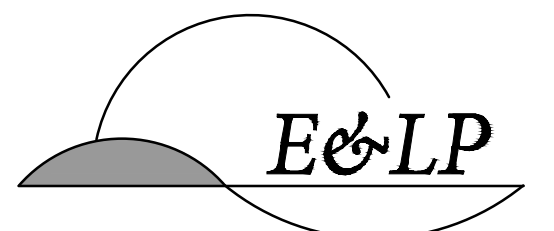
GENERAL NOTES:

- ALL CROSSWALKS, SIDEWALKS, AND CURB RAMPS WITHIN THE PROJECT LIMITS SHALL CONFORM TO AMERICANS WITH DISABILITIES ACT (ADA) OF 1990 AND REVISED ADA RULES AND REGULATIONS IMPLEMENTING TITLE II AND TITLE III.
- THE CONTRACTOR SHALL CONFINE ALL CONSTRUCTION ACTIVITIES TO WITHIN THE LIMIT OF WORK AND/OR THE RIGHT-OF-WAY. ALL DISTURBED AREAS ARE TO BE RESTORED TO EXISTING CONDITIONS OR AS INDICATED IN THE CONTRACT DOCUMENTS.
- THE CONTRACTOR SHALL PROTECT ALL EXISTING STRUCTURES AND IMPROVEMENTS WITHIN THE PROJECT LIMITS AND RIGHT-OF-WAY. THESE FEATURES INCLUDE BUT ARE NOT LIMITED TO TREES, SHRUBS, LANDSCAPING, DRIVEWAYS, MAILBOXES, SIGNAGE, CURBING, SIDEWALKS, UTILITIES, JUNCTION BOXES, POLES, LIGHTING, HYDRANTS, VALVE BOXES, AND STRIPPING.
- THE CONTRACTOR SHALL OBTAIN ALL CONSTRUCTION PERMITS REQUIRED BY LOCAL COUNTY OR STATE JURISDICTIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR APPLICATION, PAYMENT AND APPROVAL OF SAID PERMITS. NO ADDITIONAL PAYMENT SHALL BE MADE BY THE OWNER.
- THE CONTRACTOR SHALL NOTIFY THE TOWN AND MUNICIPAL ENGINEER'S OFFICE 72 HOURS PRIOR TO THE START OF WORK. THE CONTRACTOR SHALL NOTIFY ALL APPROPRIATE AGENCIES INCLUDING THE COUNTY SOIL CONSERVATION DISTRICT PRIOR TO THE START OF CONSTRUCTION AND AS NECESSARY THROUGH PROJECT COMPLETION.
- HOURS OF WORK SHALL BE BETWEEN 7:00AM AND 5:00PM EASTERN STANDARD TIME, UNLESS OTHERWISE PERMITTED BY THE TOWN OF CLINTON.
- THE CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS BEFORE BEGINNING CONSTRUCTION.
- THE CONTRACTOR IS RESPONSIBLE FOR PROTECTION OF THE PROJECT SITE, CONTRACTOR PROPERTY, EQUIPMENT, AND WORK.
- THE CONTRACTOR IS RESPONSIBLE FOR CLEANING STREETS OF CONSTRUCTION DIRT AND DEBRIS AT CLOSE OF EACH WORK DAY.
- THE CONDITION OF THE ADJACENT ROAD AND/OR RIGHT-OF-WAY, UPON COMPLETION OF THE JOB SHALL BE AS GOOD AS OR BETTER THAN PRIOR TO STARTING WORK.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR, ALONG WITH CONCURRENCE FROM THE OWNER, SHALL DETERMINE HIS/HER LAY-DOWN AND/OR STAGING AREA LOCATIONS.
- THE CONTRACTOR SHALL NOTIFY ALL PROPERTY OWNERS A MINIMUM OF 24 HOURS PRIOR TO BLOCKING DRIVEWAYS OR ENTERING UTILITY EASEMENTS.
- TRAFFIC INGRESS AND EGRESS FOR DRIVEWAYS AND PEDESTRIAN ACCESS FACILITIES SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION.
- ANY DAMAGE CAUSED BY THE CONTRACTOR SHALL BE REPLACED WITH LIKE-KIND OR BETTER AT THE CONTRACTOR'S EXPENSE. TREES, BUSHES, SHRUBBERY AND OTHER DAMAGED PLANTINGS TO REMAIN SHALL BE REPLACED WITHIN 72 HOURS OF REMOVAL AND ARE TO BE THOROUGHLY WATERED-IN.
- PAVED SURFACES, PAVEMENT MARKERS AND MARKINGS SHALL BE PROTECTED FROM DAMAGE BY TRACKED EQUIPMENT.
- PROPERTY MARKERS DISTURBED DURING CONSTRUCTION ARE TO BE REPLACED, FOR THE ORIGINAL PROPERTY OWNER, BY A REGISTERED PUBLIC LAND SURVEYOR AND NO SEPARATE PAYMENT SHALL BE MADE.
- CONSTRUCTION STAKING WILL BE PROVIDED BY THE CONTRACTOR. TWO COPIES OF STAKING NOTES TO BE PROVIDED TO THE ENGINEER PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL MAINTAIN UPDATED RED-LINED RECORD DRAWINGS ON SITE FOR INSPECTION BY THE ENGINEER.
- MAINTENANCE AND CLEAN-UP OF THE PROJECT IS REQUIRED FOR THE PROJECT LIMITS AND DURATION, REGARDLESS OF THE CONTRACTOR'S SCOPE OF ACTIVITIES WITHIN THE PROJECT LIMITS.
- THE REMOVAL OF ANY ABANDONED UTILITIES REQUIRED TO COMPLETE THE WORK SHALL BE INCIDENTAL AND NO SEPARATE PAYMENT SHALL BE MADE.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO STOCKPILE NECESSARY MATERIAL ON-SITE OR AT A SECURED OFF-SITE LOCATION AT NO ADDITIONAL EXPENSE TO THE OWNER.
- THESE DRAWINGS DO NOT INCLUDE THE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY. THE CONTRACTOR SHALL BE RESPONSIBLE TO INSURE "ON THE JOB" SAFETY FOR HIS EMPLOYEES, EMPLOYEES OF THE OWNER AND ALL OTHER PERSONS HAVING AUTHORIZED OR UNAUTHORIZED ACCESS TO THE WORK AND THE PUBLIC. CONTRACTOR SHALL PERFORM HIS WORK IN A SAFE MANNER AND IN COMPLIANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS.
- THE LOCATION, TYPE, SIZE, DEPTH, ETC. OF ALL EXISTING UTILITIES ARE APPROXIMATE AND MUST BE VERIFIED IN THE FIELD BY THE CONTRACTOR, AT HIS OWN EXPENSE PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES OPERATING WITHIN THE CONSTRUCTION SITE 3 DAYS PRIOR TO COMMENCEMENT OF ANY EXCAVATION FOR ACCURATE FIELD LOCATIONS. FOR UTILITY MARKOUT, CALL 8-1-1 OR [1-800-272-1000]. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE DESIGN ENGINEER OF ALL DEVIATIONS OF SITE CONDITIONS AND/OR IF DEPARTURES FROM THE APPROVED DESIGN BECOME NECESSARY DUE TO SUCH DEVIATIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL LINES, ELEVATIONS, AND MEASUREMENTS, EXERCISING PRECAUTION TO VERIFY ALL DIMENSIONS SHOWN ON DRAWING.
- THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE DESIGN ENGINEER SHOULD DEPARTURES FROM THE APPROVED DESIGN BECOME NECESSARY DUE TO CIRCUMSTANCES WHICH ARISE DURING CONSTRUCTION.
- ITEMS NOT SPECIFIED, BUT NECESSARY FOR PROPER CONSTRUCTION, SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR THE SAME AS IF SPECIFIED.

SITE / CIVIL NOTES:

- THE CONTRACTOR IS RESPONSIBLE FOR ENSURING PROPER DRAINAGE OF THE PROJECT SITE AND ALL UPGRADIENT AREAS TO THE SITE.
- CATCHBASIN GRATE AND HEADERS SHALL BE RESET AS REQUIRED TO MATCH FINISH GRADE ELEVATIONS, UNLESS OTHERWISE NOTED OR DIRECTED BY THE THE ENGINEER. PLACEMENT OF GRATES AND HEADERS SHALL BE ALIGNED WITH ADJACENT CURBING AND PAVEMENT.
- MILLINGS, STONE, SOIL, CONSTRUCTION DEBRIS, AND ALL OTHER RELATED MATERIALS SHALL BECOME THE PROPERTY OF THE CONTRACTOR FOR OFF-SITE DISPOSAL.
- INADEQUATE INSPECTION OF WORKMANSHIP SHALL NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY TO PERFORM THE WORK IN ACCORDANCE WITH APPLICABLE PLANS, SPECIFICATIONS, REGULATIONS, AND TO OBTAIN WRITTEN APPROVAL OF MUNICIPAL OFFICIALS AND ACCEPTANCE BY THE OWNER.
- ALL CONCRETE USED FOR SITE WORK SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 4,000 PSI. OR AS REQUIRED BY THE RESIDENT ENGINEER.
- THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES INDIVIDUALLY AND SHALL NOTIFY THE UNDERGROUND UTILITIES NOTIFICATION SERVICE AT LEAST 72 HOURS PRIOR TO COMMENCEMENT OF ANY EXCAVATION BY CALLING 8-1-1 OR [1-800-272-1000].
- TOPSOIL SHALL NOT BE REMOVED FROM THE SITE OR USED AS SPOILS, UNLESS DIRECTED BY THE ENGINEER AND IN CONFORMANCE WITH AN APPROVED SOIL EROSION AND SEDIMENT CONTROL PLAN.
- SUBBASE MATERIAL FOR SIDEWALKS, CURB, OR ASPHALT SHALL BE FREE OF ORGANIC AND OTHER UNSUITABLE MATERIALS. SHOULD SUBBASE BE DEEMED UNSUITABLE, SUBBASE IS TO BE REMOVED AND FILLED WITH APPROVED FILL MATERIAL COMPACTED TO 95% OPTIMUM DENSITY (AS DETERMINED BY MODIFIED PROCTOR METHOD).
- ALL CONTRACTORS WORKING ON THIS PROJECT SHALL COMPLY WITH THE REQUIREMENTS OF [P.L. 652, NO. 267 DECEMBER 10 1974 AS AMENDED ON DECEMBER 12, 1986 P.L. 1574, NO. 172 FOR PA].
- ALL CONTRACTORS WORKING ON THIS PROJECT SHALL BE RESPONSIBLE FOR ENSURING THAT ALL CONSTRUCTION ACTIVITIES RELATED TO THIS PROJECT ARE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE OSHA (OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION) STANDARDS.
- NO EXCAVATION OR FILL SHALL BE MADE WITH A FACE STEEPER THAN THREE (3) HORIZONTAL TO ONE (1) VERTICAL (3:1) UNLESS A RETAINING WALL, CONSTRUCTED IN ACCORDANCE WITH APPROVED STANDARDS IS PROVIDED TO SUPPORT THE FACE OF SLOPE OF SAID EXCAVATION OR FILL.
- BURYING OF TREES, STUMPS, OR CONSTRUCTION MATERIAL IS PROHIBITED. TREES AND STUMPS MAY BE CHIPPED OR GROUND AND SPREAD ON THE SITE.
- SOIL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE IN PLACE AND FUNCTIONING PRIOR TO ANY OTHER DISTURBANCE ON THE SITE.
- EXISTING UTILITIES SHOWN ON THESE PLANS HAVE BEEN DEVELOPED FROM UTILITY COMPANY AS-BUILTS AND OR FIELD SURVEY AT THE SITE. COMPLETENESS AND/OR ACCURACY CANNOT BE GUARANTEED. CONTRACTORS WORKING ON THIS PROJECT SHALL COMPLY WITH THE REQUIREMENTS OF STATE REGULATIONS WITH REGARD TO NOTIFICATION OF UNDERGROUND UTILITIES PRIOR TO EXCAVATION.

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140 WEST MAIN STREET HIGH BRIDGE, NJ 08829
 PH. 908-238-0544 FAX. 908-238-9572
 A PROFESSIONAL ASSOCIATION
 CERTIFICATE OF AUTHORIZATION NO.: 24GA28021500 EXP. 8/31/2022

1	REV. PER TOWN COMMENTS	EM	1/5/21		

NO.	REVISION	BY	DATE

1/5/2021
 DATE

 WAYNE J. INGRAM
 PROFESSIONAL ENGINEER
 N.J. P.E. NO. 24GB04258200

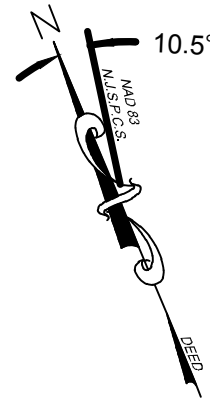
PROJECT:
 PULEO INTERNATIONAL, LLC
 13 MOEBUS PLACE
 BLOCK 18 LOT 5
 TOWN OF CLINTON

HUNTERDON COUNTY NEW JERSEY

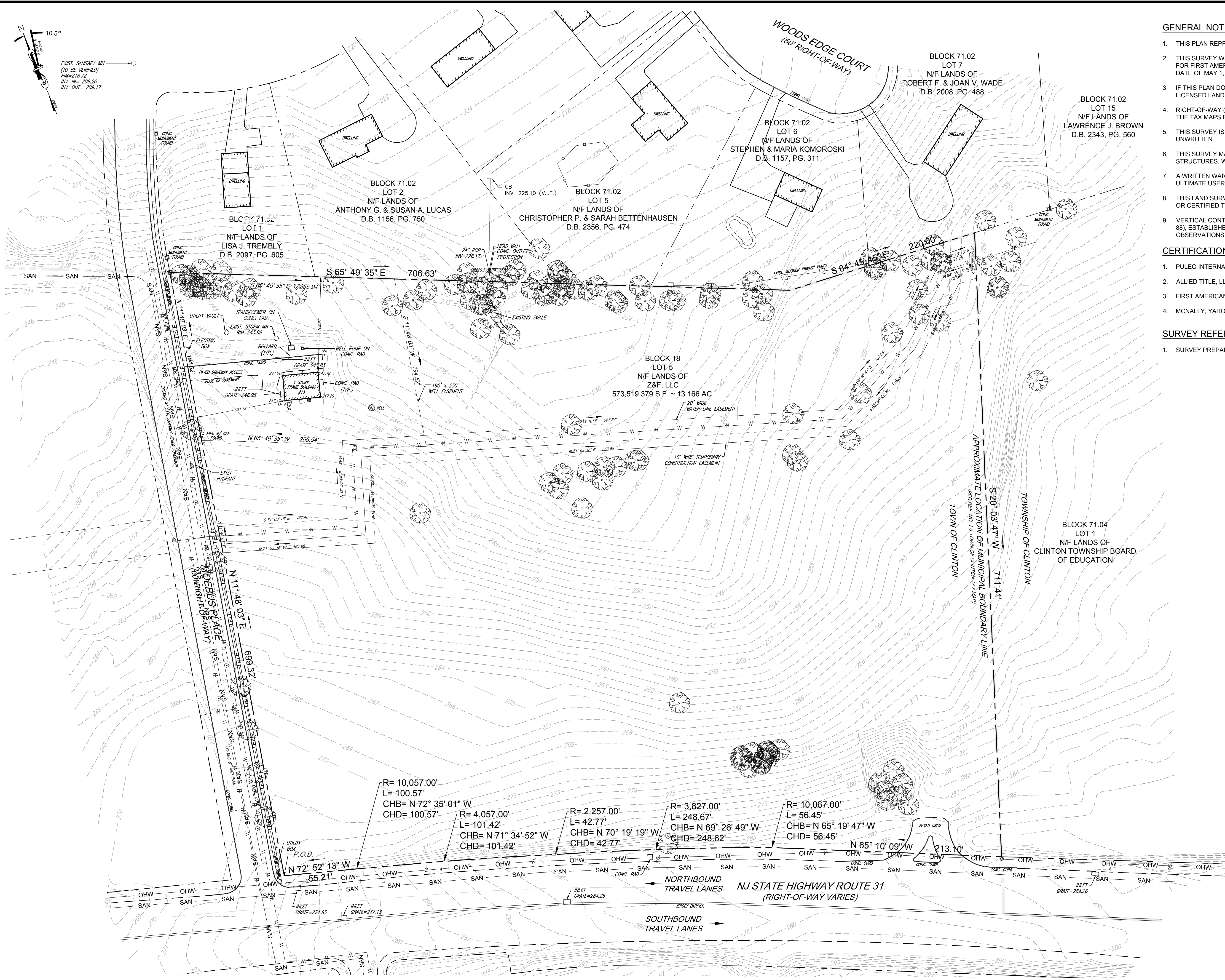
TITLE:

LEGEND AND NOTES

JOB NO.:	0120176	DRAWING NO.:	2
SCALE:	AS SHOWN		
DESIGNED:	EAJ		
CHECKED:	KFO		
FILENAME:	LEGEND & NOTES.DWG		
DATE:	10 / 19 / 2020		21



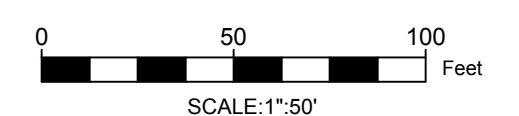
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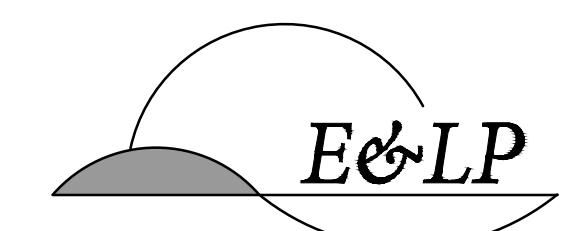
- GENERAL NOTES:**
- THIS PLAN REPRESENTS A SURVEY MADE ON THE GROUND.
 - THIS SURVEY WAS PREPARED USING A TITLE COMMITMENT PREPARED BY ALLIED TITLE, LLC AS AGENTS FOR FIRST AMERICAN TITLE INSURANCE COMPANY (COMMITMENT NO. 6265-NJ-20) HAVING AN EFFECTIVE DATE OF MAY 1, 2020.
 - IF THIS PLAN DOES NOT CONTAIN AN ORIGINAL SIGNATURE AND IMPRESSION SEAL OF THE UNDERSIGNED LICENSED LAND SURVEYOR IT IS NOT AN AUTHENTIC COPY AND MAY HAVE BEEN ALTERED.
 - RIGHT-OF-WAY (R.O.W.) LINES AND ADJOINING PROPERTY LINES SHOWN HEREON WERE TAKEN FROM THE TAX MAPS FOR THIS MUNICIPALITY.
 - THIS SURVEY IS SUBJECT TO EASEMENT AND RESTRICTIONS OF RECORD, EITHER WRITTEN OR UNWRITTEN.
 - THIS SURVEY MAKES NO REPRESENTATION TO THE LOCATION OF ANY SUB-SURFACE UTILITIES OR STRUCTURES, WHICH WERE NOT VISIBLE AT THE TIME OF THE SURVEY.
 - A WRITTEN WAIVER AND DIRECTION NOT TO SET CORNER MARKERS HAS BEEN OBTAINED FROM THE ULTIMATE USER PURSUANT TO P.L. 2003, C.14 N.J.S.A. C45:8-36.3 AND N.J.A.C. 13:40-5.1(D).
 - THIS LAND SURVEY IS PREPARED FOR THE BENEFIT OF THE PARTIES LISTED AND IS NOT PREPARED FOR OR CERTIFIED TO SUBSEQUENT PARTIES.
 - VERTICAL CONTROL FOR THIS PROJECT IS BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88), ESTABLISHED BY NETWORK REAL-TIME KINEMATIC (RTK) GLOBAL POSITIONING SYSTEM (GPS) OBSERVATIONS.

- CERTIFICATIONS:**
- PULEO INTERNATIONAL
 - ALLIED TITLE, LLC
 - FIRST AMERICAN TITLE INSURANCE COMPANY
 - MCNALLY, YAROS, KACZYNSKI, & LIME, LLC

- SURVEY REFERENCE:**
- SURVEY PREPARED BY CONTROL POINT ASSOCIATES, INC. DATED JUNE 20, 2000.



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WJH
WAYNE J. INGRAM
PROFESSIONAL LAND SURVEYOR
N.J. P.L.S. NO. 24GB04258200

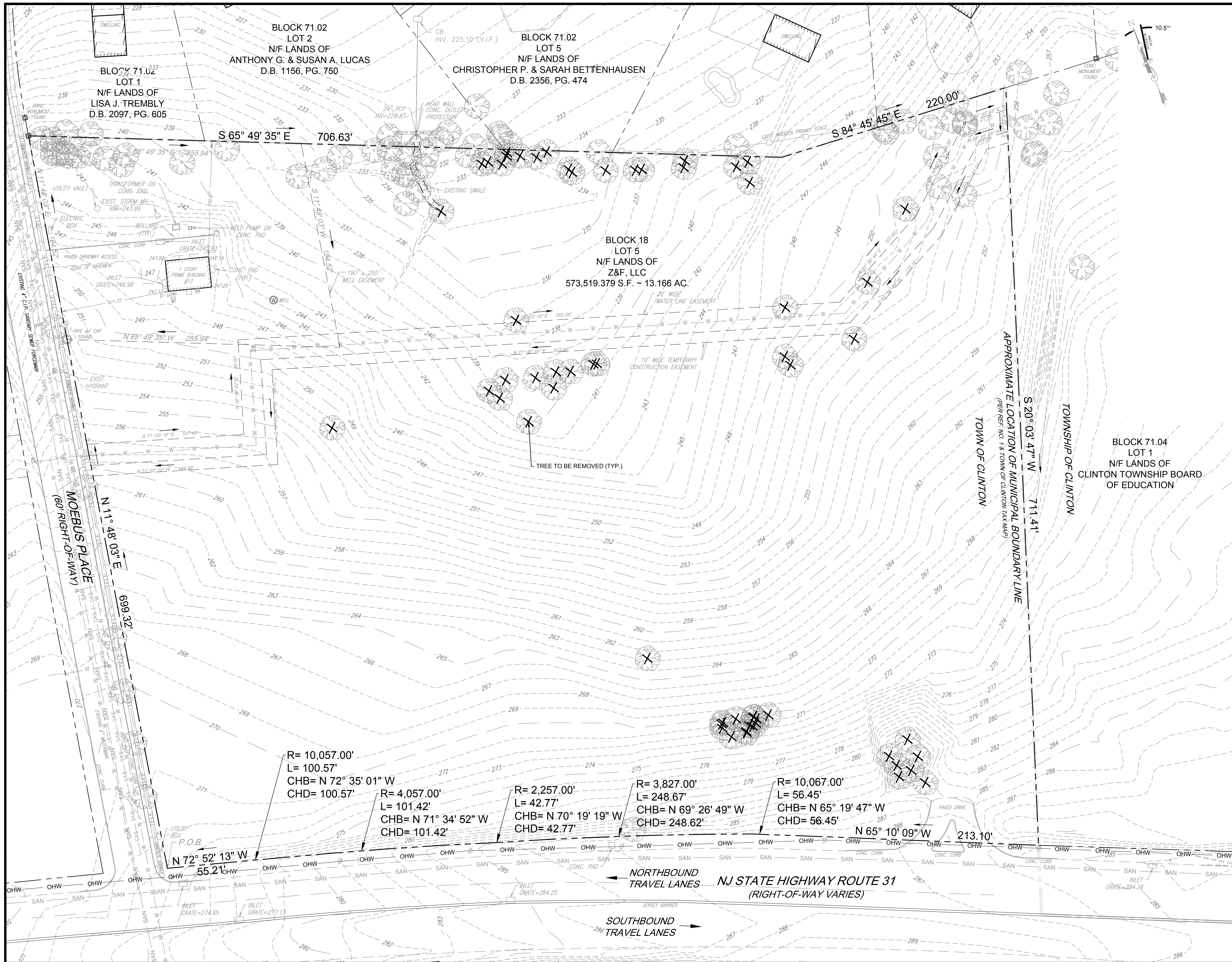
PROJECT:

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13 MOEBUS PLACE
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TOWN OF CLINTON

HUNTERDON COUNTY NEW JERSEY

BOUNDARY AND TOPOGRAPHIC SURVEY

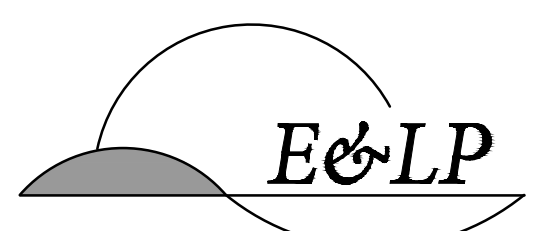
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SCALE:	1"=50'		
DESIGNED:	PV		
CHECKED:	WJI		
FILENAME:	03-BOUNDARY.DWG		
DATE:	8 / 11 / 2020		



- DEMOLITION NOTES:**
1. ALL EXISTING VEGETATION TO BE REMOVED AS NECESSARY TO FACILITATE SITE IMPROVEMENTS.
 2. SOLID WASTE TO BE DISPOSED OF BY CONTRACTOR IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS.
 3. LOCATIONS OF EXISTING UNDERGROUND UTILITIES SHOWN ARE APPROXIMATE AND SHALL BE VERIFIED IN FIELD BY CONTRACTOR PRIOR TO CONSTRUCTION.




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140 WEST MAIN STREET HIGH BRIDGE, NJ 08829
 PH. 908-238-0544 FAX. 908-238-9572
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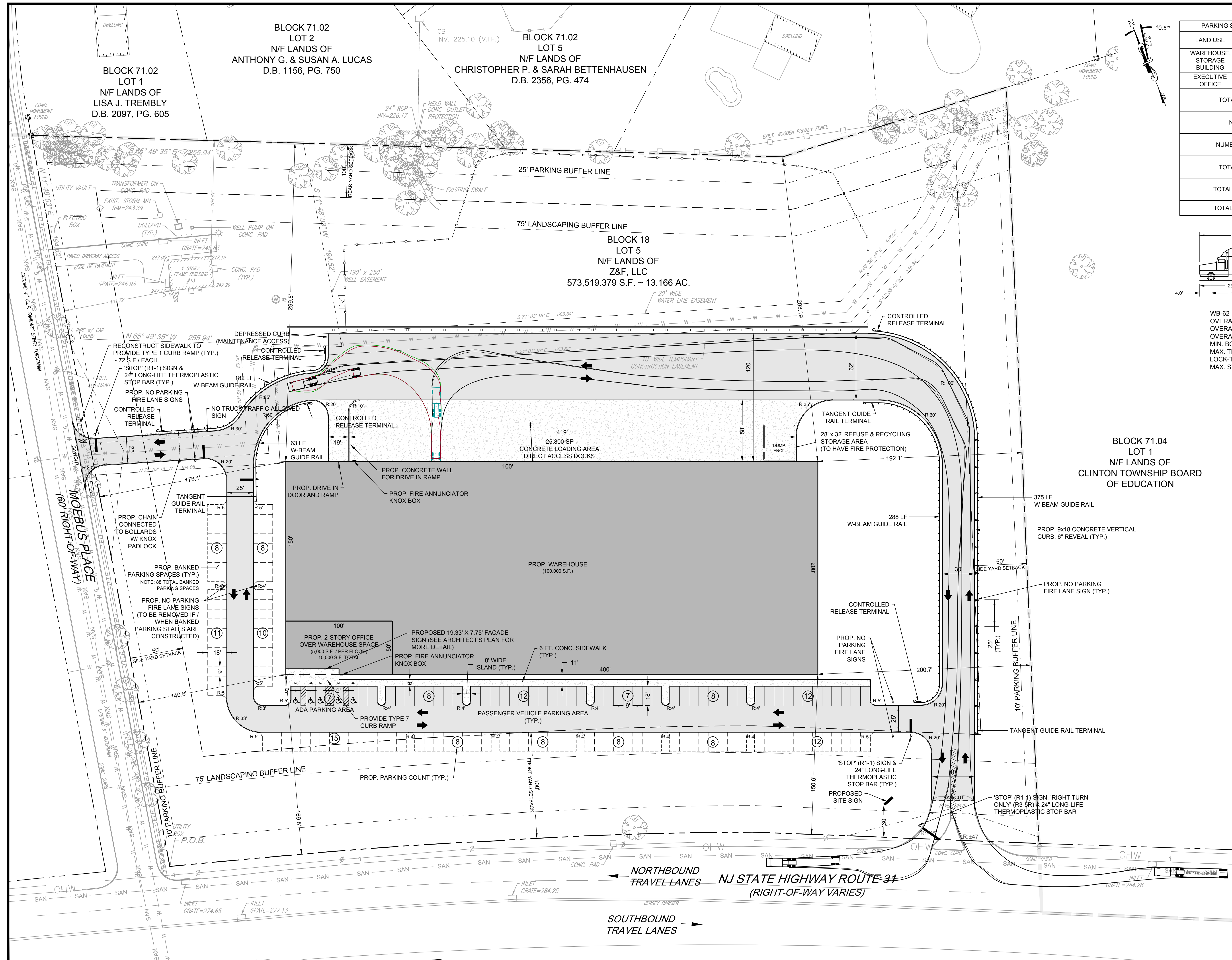
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 BLOCK 18 LOT 5
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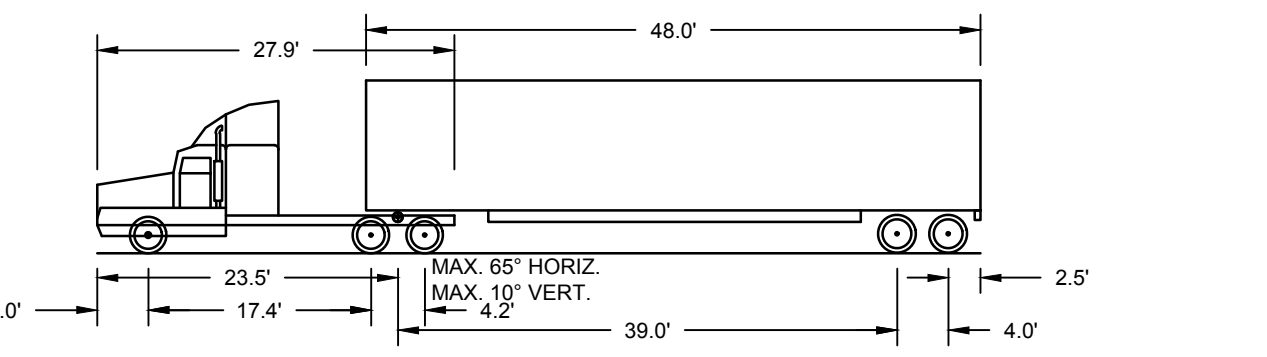
HUNTERDON COUNTY NEW JERSEY
 TITLE:

DEMOLITION PLAN

JOB NO.:	0120176	DRAWING NO.:	4
SCALE:	1"=40'		21
DESIGNED:	EAJ		
CHECKED:	KFO		
FILENAME:	04-DEMOLITION.DWG		
DATE:	10 / 19 / 2020		



PARKING SCHEDULE CALCULATIONS (PER TOWN OF CLINTON REQUIREMENTS)			
LAND USE	REQUIRED	AREA	REQUIRED SPACES
WAREHOUSE, STORAGE BUILDING	1 FOR EACH 1,000 SF OF FLOOR AREA	100,000 SF	100 SPACES
EXECUTIVE OFFICE	1 FOR EACH 200 SF OF OFFICE	10,000 SF	50 SPACES
TOTAL NUMBER OF PARKING SPACES REQUIRED			150 SPACES
NUMBER OF PARKING SPACES PROVIDED			54 SPACES
NUMBER OF BANKED PARKING SPACES PROVIDED			96 SPACES
TOTAL NUMBER OF PARKING SPACES PROVIDED			150 SPACES
TOTAL NUMBER OF ACCESSIBLE SPACES REQUIRED			5 SPACES
TOTAL NUMBER OF ACCESSIBLE SPACES PROVIDED			5 SPACES



WB-62 INTERSTATE SEMI-TRAILER
 OVERALL LENGTH 69.00 FT.
 OVERALL WIDTH 8.50 FT.
 OVERALL BODY HEIGHT 13.50 FT.
 MIN. BODY GROUND CLEARANCE 1.334 FT.
 MAX. TRACK WIDTH 8.50 FT.
 LOCK-TO-LOCK TIME 6.00 SEC.
 MAX. STEERING ANGLE (VIRTUAL) 28.40°

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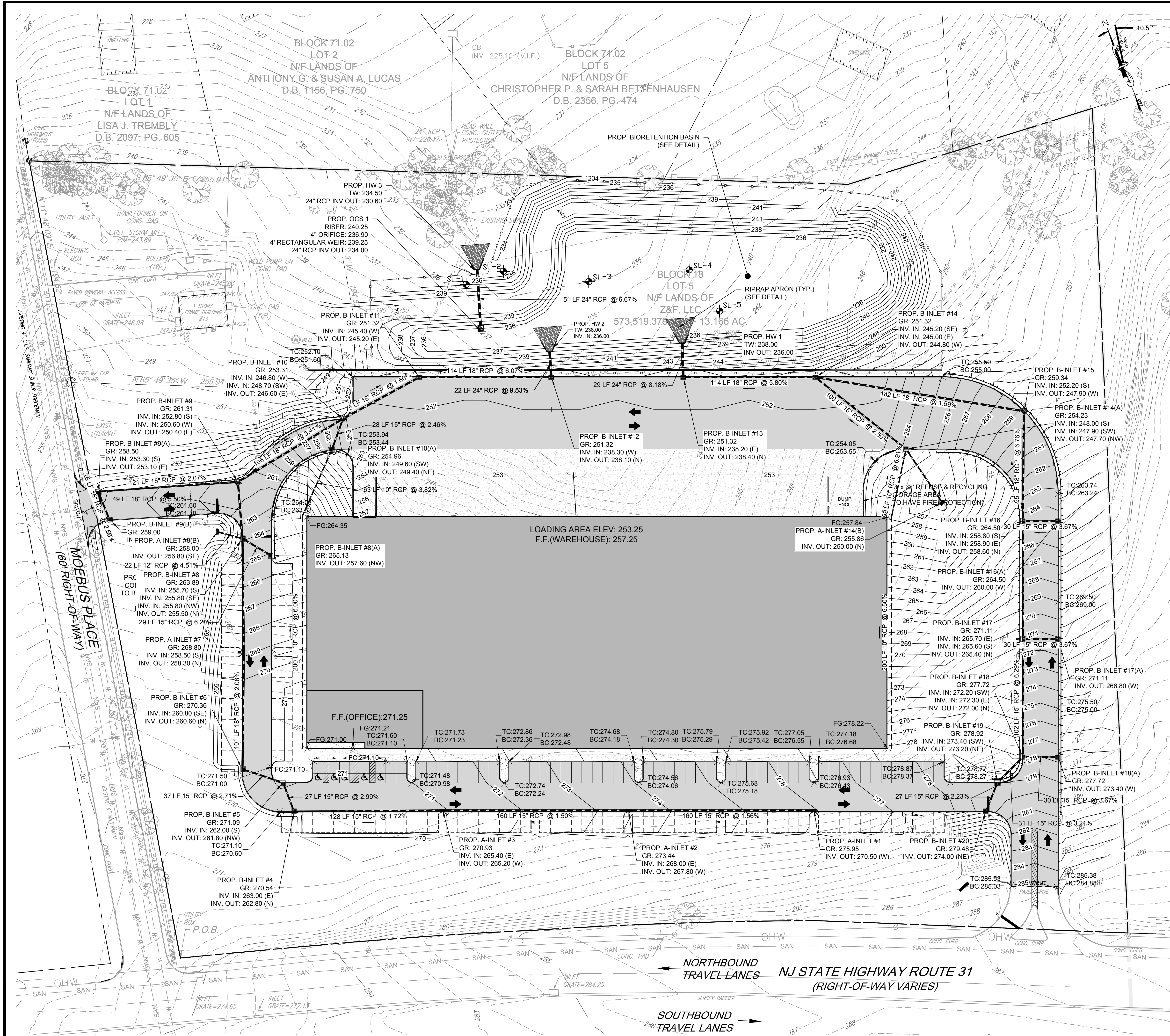
PROJECT:

PULEO INTERNATIONAL, LLC
 13 MOEBUS PLACE
 BLOCK 18 LOT 5
 TOWN OF CLINTON

HUNTERDON COUNTY NEW JERSEY

TITLE: SITE PLAN

JOB NO.:	0120176	DRAWING NO.:	5
SCALE:	1"=40'		21
DESIGNED:	EAJ		
CHECKED:	KFO		
FILENAME:	05-SITE.DWG		
DATE:	10 / 19 / 2020		



SITE PREPARATION

- PRIOR TO THE START OF CONSTRUCTION, ALL UTILITIES SHOULD BE IDENTIFIED AND SECURED. THE SURFACE COVER MATERIALS, INCLUDING VEGETATION AND TOPSOIL, SHALL BE REMOVED FROM WITHIN, AND AT LEAST FIVE FEET BEYOND, THE LIMITS OF THE PROPOSED BUILDING AND NEW PAVEMENT AREAS, AS WELL AS ANY OTHER AREA WHICH WILL REQUIRE FILL PLACEMENT.
- PRIOR TO PLACING ANY FILL OR SUBGRADE MATERIALS TO RAISE OR RESTORE GRADES TO THE DESIRED BUILDING OR PAVEMENT SUBGRADE ELEVATIONS, THE EXISTING EXPOSED SOILS SHOULD BE COMPACTED TO A FIRM AND UNYIELDING SURFACE WITH SEVERAL PASSES IN TWO PERPENDICULAR DIRECTIONS OF MINIMUM 10-TON VIBRATORY SMOOTH DRUM ROLLER DURING FAVORABLE MOISTURE CONDITIONS. THE ROLLER SHOULD BE OPERATED IN THE STATIC MODE OR A KNEADING "SHEEPSFOOT" ROLLER SHOULD BE USED WHERE FINE-GRAINED SOILS ARE ENCOUNTERED AT THE SUBGRADE ELEVATION. THE SURFACE THEN SHOULD BE PROFFERED WITH A LOADED TANDEM AXLE TRUCK IN THE PRESENCE OF E&LP TO HELP IDENTIFY SOFT OR LOOSE POCKETS WHICH MAY REQUIRE REMOVAL AND REPLACEMENT OR FURTHER INVESTIGATION. E&LP ANTICIPATES AT LEAST PARTIAL OVEREXCAVATION WILL BE REQUIRED IF THE SUBGRADE IS WETTED OR SUBJECTED TO REPEATED CONSTRUCTION TRAFFIC, PARTICULARLY WHERE FINE-GRAINED SOILS ARE ENCOUNTERED AT THE SUBGRADE. ANY FILL OR BACKFILL SHOULD BE PLACED AND COMPACTED IN ACCORDANCE WITH THE RECOMMENDATIONS HEREIN.
- EVERY EFFORT SHOULD BE MADE TO MINIMIZE DISTURBANCE OF THE ON-SITE SOILS BY CONSTRUCTION TRAFFIC AND SURFACE RUNOFF. THE ON-SITE SOILS CONTAIN HIGH AMOUNTS OF SILT AND CLAY WHICH SOFTEN AND LOSE STABILITY WHEN WETTED OR SUBJECTED TO REPEATED CONSTRUCTION TRAFFIC. THEREFORE, THE CONTRACTOR SHOULD BE RESPONSIBLE FOR MAINTAINING AND PROTECTING EXPOSED SUBGRADE SOILS DURING CONSTRUCTION.
- E&LP RECOMMENDS PROVIDING DEFINED HAUL ROADS AND SURGE STONE ENTRANCES TO REDUCE DISTURBANCE OF THE ON-SITE SOILS. ADDITIONAL REMOVAL AND REPLACEMENT OF THE SUBGRADE SOIL WILL LIKELY BE NECESSARY IF SCHEDULES DO NOT ALLOW SUFFICIENT TIME TO DISC AND DRY SITE SOILS. PARTICULARLY FOLLOWING WETTER WEATHER CONDITIONS, ADDITIONAL STABILIZATION MEASURES SUCH AS THE USE OF GEOTEXTILES COULD BE NECESSARY IF CONSTRUCTION OCCURS FOLLOWING POOR WEATHER OR WITHOUT ADEQUATE SUBGRADE PROTECTION AND MAINTENANCE. THE SERVICES OF E&LP SHOULD BE RETAINED TO INSPECT SOIL CONDITIONS DURING CONSTRUCTION AND VERIFY THE SUITABILITY OF PREPARED FOUNDATION, FLOOR SLAB, AND PAVEMENT SUBGRADES FOR SUPPORT OF DESIGN LOADS.
- WHEN TEMPERATURES FALL BELOW FREEZING FOR PERIODS OF TIME, THE MOISTURE WITHIN THE SOIL MATRIX WILL FREEZE. FINE-GRAINED SOILS HAVE A HIGHER SUSCEPTIBILITY TO FROST THAN WELL-GRAINED GRANULAR SOILS AND COULD FREEZE AT FASTER RATES. FROST SUSCEPTIBLE SOILS WILL OFTEN BECOME UNSTABLE ONCE THEY THAW, EVEN IF THE MATERIAL IS PROPERLY PLACED AND COMPACTED. AS SUCH, SPECIAL CONSTRUCTION METHODS, INCLUDING HANDLING AND/OR CONSTRUCTION SEQUENCING SHOULD BE PLANNED WHEN WEATHER FORECASTS PREDICT PERIODS OF FREEZING AMBIENT AIR TEMPERATURES. FILL AND SUBGRADE MATERIAL SHOULD NOT BE PLACED ON WATER, SNOW, ICE, OR FROZEN SOIL. SUBGRADE MATERIALS THAT FREEZE WILL NEED TO BE REMOVED AND REPLACED WITH SUITABLE STRUCTURAL FILL MATERIAL PRIOR TO PLACEMENT OF SUBSEQUENT FILL LAYERS. SUBGRADE MATERIALS AND/OR SUBGRADE HANDLING AS DETAILED THROUGHOUT THIS REPORT. FROZEN SOILS ARE NOT SUITABLE FOR PLACEMENT AS STRUCTURAL FILL MATERIAL, AND GENERALLY NEED TO BE EXPORTED FROM THE SITE. UNLESS CONSTRUCTION SCHEDULES ALLOW FOR STOCKPILING AND DRYING OF THESE MATERIALS DURING WARMER WEATHER, THE CONTRACTOR SHOULD BE RESPONSIBLE FOR INCLUDING BUDGETARY RATES FOR EARTHWORK DURING PERIODS OF POTENTIAL FREEZING WEATHER AND FOR PROTECTION AGAINST FREEZING SUBGRADES.

STRUCTURAL FILL MATERIALS AND COMPACTION TESTING

- SOILS PLACED AS STRUCTURAL FILL MATERIAL SHOULD CONSIST OF WELL GRADED SAND OR GRAVEL WITH A MAXIMUM PARTICLE SIZE OF THREE INCHES IN DIAMETER AND LESS THAN 15 PERCENT OF MATERIAL PASSING THE NUMBER 200 SIEVE. THESE MATERIALS SHOULD BE FREE OF OBJECTIONABLE DEBRIS (CLAY CLUMPS, ORGANIC AND/OR DELICIOUS MATERIAL, ETC.) AND WITHIN MOISTURE CONTENTS SUITABLE FOR COMPACTION. ALTERNATIVE SOIL TYPES WITH HIGHER PERCENTAGES OF SILT AND CLAY MAY BE CONSIDERED, PROVIDED THAT THE CONTRACTOR IS ABLE TO ACHIEVE PROPER COMPACTION AND MAINTAIN SUITABLE SUBGRADE ONCE THE MATERIAL IS PLACED. FINE-GRAINED SOILS AND/OR GRANULAR SOILS WITH HIGHER PERCENTAGES OF SILT AND CLAY ARE EXTREMELY MOISTURE SENSITIVE AND WILL ONLY BE SUITABLE FOR REUSE AS STRUCTURAL FILL MATERIAL DURING IDEAL WEATHER CONDITIONS. MATERIAL WETTED BEYOND THE OPTIMUM MOISTURE CONTENT, CONTAIN OVERSIZED ROCK OR DEBRIS, AND/OR CONTAIN INCREASED AMOUNTS OF OBJECTIONABLE DEBRIS WILL NOT BE SUITABLE FOR REUSE AS STRUCTURAL FILL MATERIAL WITHOUT SPECIAL HANDLING. AS SUCH, THE CONTRACTOR SHOULD BE RESPONSIBLE FOR IMPORTING STRUCTURAL FILL MATERIAL AND/OR PROCESSING ON-SITE SOILS AS REQUIRED SO THAT THESE MATERIALS ARE SUITABLE FOR STRUCTURAL FILL PLACEMENT.
- COBBLES/BOULDERS, ROCK FRAGMENTS, AND/OR OVERSIZED DEBRIS (EITHER ENCOUNTERED AT THE SITE OR IMPORTED) GREATER THAN THREE INCHES IN DIAMETER WILL NEED TO BE SEPARATED FROM ON-SITE SOILS TO BE PLACED AS STRUCTURAL FILL. APPROVED MATERIAL BETWEEN THREE TO 12 INCHES IN DIAMETER MAY BE CRUSHED OR INDIVIDUALLY PLACED IN FILL LAYERS DEEPER THAN TWO FEET BELOW PROPOSED SUBGRADE LEVELS. CARE MUST BE TAKEN TO INDIVIDUALLY SEAT ANY LARGE PARTICLES AND TO COMPACT SOIL AROUND LARGE PARTICLES WITH HAND OPERATED EQUIPMENT TO MINIMIZE THE RISK OF VOID FORMATION. THE LARGER MATERIAL SHOULD NOT BE PLACED NEAR AREAS OF THE PROPOSED UTILITY OR PLANNED EXCAVATION. IMPORTED ROCK FRAGMENTS AND BOULDERS LARGER THAN APPROXIMATELY 12 INCHES ARE NOT EXPECTED TO BE ADEQUATE FOR USE AS FILL OR BACKFILL AND SHOULD BE REMOVED FROM THE SITE OR CRUSHED TO AN ADEQUATE SIZE.
- THE ON-SITE SOILS ARE CONSIDERED VERY MOISTURE SUSCEPTIBLE. PORTIONS OF THESE MATERIALS ARE PRELIMINARILY EXPECTED TO BE SUITABLE FOR REUSE AS STRUCTURAL FILL MATERIAL, BUT SPECIAL HANDLING TO REMOVE OBJECTIONABLE MATERIAL, DISCONTINUING AND/OR INCREASED DRYING TIME FOR SOILS THAT ARE EXPOSED TO MOISTURE SHOULD BE ANTICIPATED. IN ADDITION, MATERIAL REPEATEDLY EXPOSED TO CONSTRUCTION TRAFFIC AND/OR WETTED BEYOND THE OPTIMUM MOISTURE CONTENT MAY NEED TO BE REPLACED WITH IMPORTED STRUCTURAL FILL. REUSE OF THESE MATERIALS WILL BE CONTINGENT UPON FURTHER EVALUATION DURING CONSTRUCTION.
- STRUCTURAL FILL AND BACKFILL SHOULD BE PLACED IN MAXIMUM 8 INCH LOOSE LIFTS AND COMPACTED TO 95 PERCENT OF THE MAXIMUM DRY DENSITY WITHIN A TARGETED TWO PERCENT OF THE OPTIMUM MOISTURE CONTENT AS DETERMINED BY ASTM D 1557 (MODIFIED PROCTOR). FILL MATERIAL COMPACTED WITH RELATIVELY LIGHT HAND HELD EQUIPMENT MAY NEED TO BE PLACED IN THINNER LIFTS. VARIATIONS IN MOISTURE CONTENT MAY BE ACCEPTABLE SUBJECT TO E&LP'S ON-SITE GEOTECHNICAL ENGINEER'S APPROVAL IF THE CONTRACTOR IS ABLE TO ACHIEVE THE NECESSARY COMPACTION. E&LP RECOMMENDS USING A SMOOTH DRUM ROLLER OR SHEEPSFOOT ROLLER TO COMPACT SUBGRADE SOILS BENEATH LARGER AREAS SUCH AS PAVEMENTS OR SLABS. HAND OPERATED VIBRATORY JUMPING JACKS AND PLATE COMPACTORS SHOULD BE USED IN CONFINED EXCAVATIONS FOR FOUNDATIONS OR UTILITIES. FILL MATERIAL COMPACTED WITH RELATIVELY LIGHT WEIGHT EQUIPMENT OR IN THE STATIC MODE MAY REQUIRE ADDITIONAL PASSES AND/OR THE MATERIAL MAY NEED TO BE PLACED IN THINNER LOOSE LIFTS.
- BEFORE FILLING OPERATIONS BEGIN, REPRESENTATIVE SAMPLES OF EACH PROPOSED FILL MATERIAL (ON-SITE AND IMPORTED) SHOULD BE COLLECTED. THE SAMPLES SHOULD BE TESTED TO DETERMINE THE MAXIMUM DRY DENSITY, OPTIMUM MOISTURE CONTENT, NATURAL MOISTURE CONTENT, GRADATION, AND PLASTICITY OF THE SOIL. THESE TESTS ARE NEEDED FOR QUALITY CONTROL DURING COMPACTION AND ALSO TO DETERMINE IF THE FILL MATERIAL IS ACCEPTABLE. THE PLACEMENT OF ALL FILL AND BACKFILL SHOULD BE MONITORED BY E&LP'S GEOTECHNICAL ENGINEER OR TECHNICIAN TO ENSURE THAT THE SPECIFIED MATERIAL AND LIFT THICKNESSES ARE PROPERLY INSTALLED. A SUFFICIENT NUMBER OF IN-PLACE DENSITY TESTS SHOULD BE PERFORMED DURING FILL PLACEMENT TO ENSURE THAT THE SPECIFIED COMPACTION IS ACHIEVED THROUGHOUT THE HEIGHT OF THE FILL OR BACKFILL.
- PROVIDE ON-SITE GEOTECHNICAL ENGINEERING REPORTS AND COMPACTION TEST RESULTS DURING CONSTRUCTION.
- CONTRACTOR MUST NOTIFY ENGINEER IF PROFFERROLLING, WHICH MUST BE OBSERVED BY A COMPETENT PERSON.

STORM SEWER NOTES

- WHERE STORM SEWERS ARE TO BE CONSTRUCTED IN FILL AREAS, THE FILL SHALL BE PROPERLY PLACED AND COMPACTED PRIOR TO THE INSTALLATION OF THE PIPE IN ACCORDANCE WITH NJDOT SPECIFICATIONS.
- CONCRETE REINFORCED STORM SEWER PIPE SHALL HAVE "O-RING" GASKETS AND SHALL BE INSTALLED SO AS TO BE WATERTIGHT.
- PIPE TRENCH BEDDING AND BACKFILL SHALL BE IN ACCORDANCE WITH THE PROJECT DETAILS SO AS TO MINIMIZE "PIPING" OF STORMWATER ALONG THE OUTSIDE OF THE SEWER.

TEST PIT RESULTS:

SOIL LOGS & PERMEABILITY TESTING PERFORMED ON 12/22/2020 BY E&LP

SOIL LOG	RESULTS
SL-1	TOPSOIL: LOAMY SAND; 5% GRAVEL; MOTTLING @ 45-48"
SL-2	TOPSOIL: SANDY CLAY LOAM; 5% GRAVEL; 2% COBBLE; 1% STONE; MOTTLING @ 48-60"
SL-3	TOPSOIL: SANDY CLAY; 5% GRAVEL; 5% COBBLE; 2% STONE; SANDY CLAY LOAM; 5% GRAVEL; 2% COBBLE; 3% STONE; MACHINE REFUSAL @ 100"
SL-4	TOPSOIL: SANDY LOAM; 2% GRAVEL; SANDY CLAY LOAM; 5% GRAVEL; 1% COBBLE; 1% STONE; MOTTLING @ 78-79"
SL-5	TOPSOIL: SANDY LOAM; 5% GRAVEL; 10% COBBLE; 5% STONE; SANDY CLAY LOAM; 10% GRAVEL; 10% COBBLE; 1% STONE; MOTTLING @ 87-78"
SL-6	TOPSOIL: CLAY LOAM; 10% GRAVEL; CLAY LOAM; 15% GRAVEL; 10% COBBLE; 5% STONE

PERMEABILITY TESTING

BASIN FLOOD	RESULTS
BS-1	SOIL LOG: SL-2; DEPTH: 100"; RESULT: PASS
TUBE PERMEAMETER #1	SOIL LOG: SL-1; DEPTH: 40"; RESULT: K-5 SOILS
TUBE PERMEAMETER #2	SOIL LOG: SL-1; DEPTH: 80"; RESULT: K-5 SOILS
TUBE PERMEAMETER #3	SOIL LOG: SL-3; DEPTH: 60"; RESULT: K-5 SOILS
TUBE PERMEAMETER #4	SOIL LOG: SL-3; DEPTH: 100"; RESULT: K-5 SOILS
TUBE PERMEAMETER #5	SOIL LOG: SL-4; DEPTH: 50"; RESULT: K-5 SOILS
TUBE PERMEAMETER #6	SOIL LOG: SL-4; DEPTH: 110"; RESULT: K-5 SOILS
TUBE PERMEAMETER #7	SOIL LOG: SL-5; DEPTH: 40"; RESULT: K-5 SOILS
TUBE PERMEAMETER #8	SOIL LOG: SL-5; DEPTH: 100"; RESULT: K-5 SOILS

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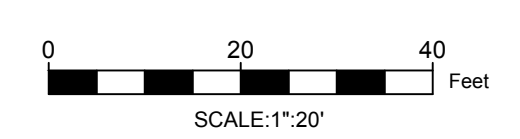
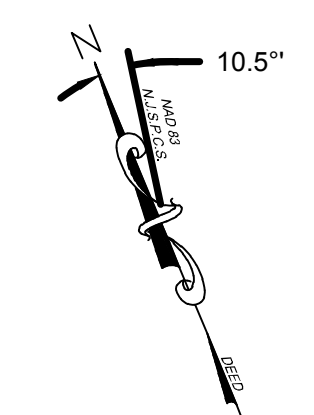
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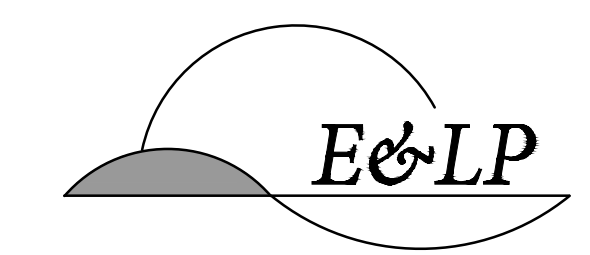
HUNTERDON COUNTY NEW JERSEY

GRADING & DRAINAGE PLAN

JOB NO.: 0120176	DRAWING NO.: 6
SCALE: 1"=40'	21
DESIGNED: EAJ	
CHECKED: KFO	
FILENAME: 06-G&D.DWG	
DATE: 10/19/2020	




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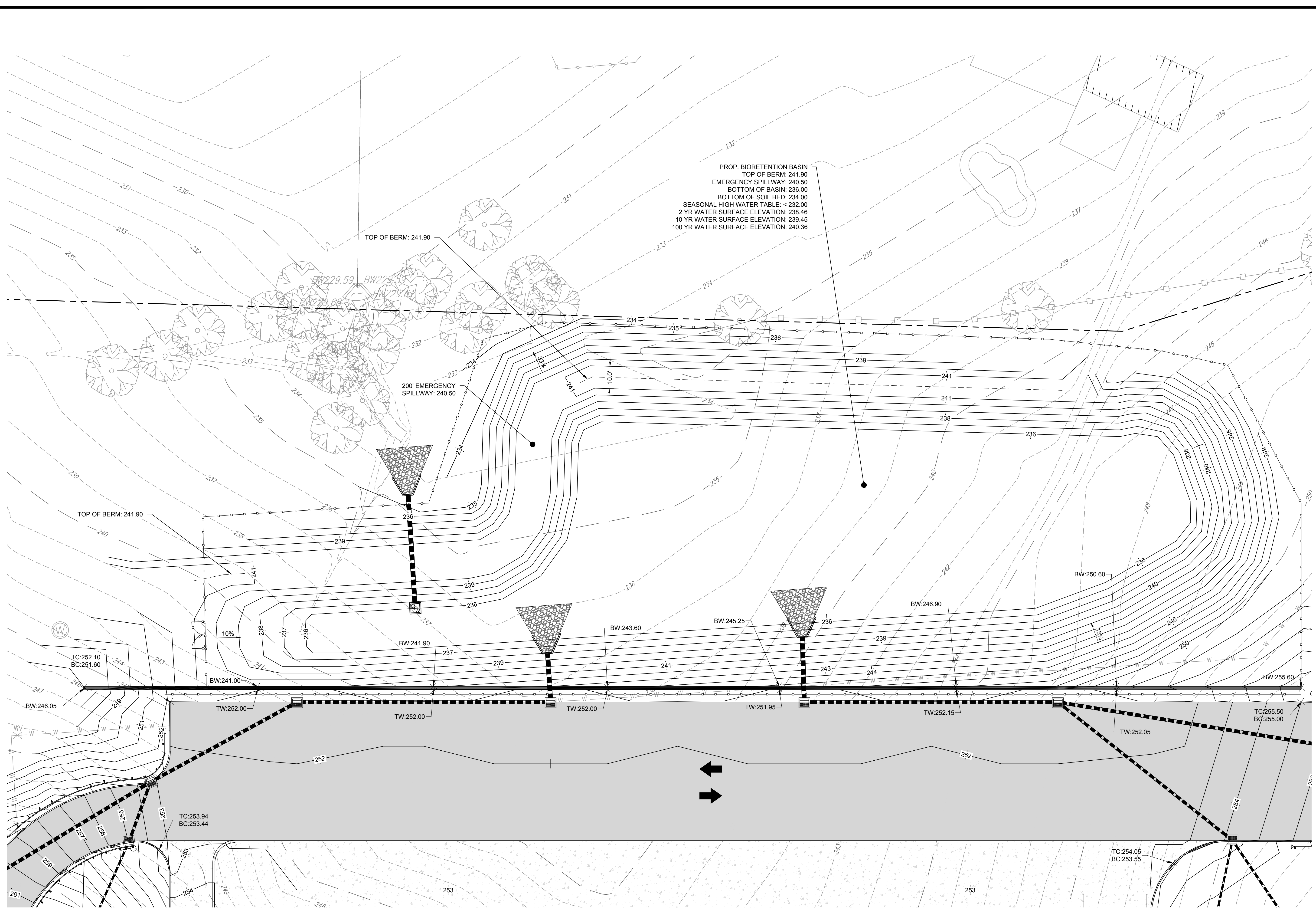
1/5/2021 DATE 
 WAYNE J. INGRAM
 PROFESSIONAL ENGINEER
 N.J. P.E. NO. 24GB04258200

PROJECT:
 PULEO INTERNATIONAL, LLC
 13 MOEBUS PLACE
 BLOCK 18 LOT 5
 TOWN OF CLINTON

HUNTERDON COUNTY NEW JERSEY

**DETAILED
 GRADING PLAN**

JOB NO.:	0120176	DRAWING NO.:	7 21
SCALE:	1"=20'		
DESIGNED:	EAJ		
CHECKED:	KFO		
FILENAME:	07_G-DETAIL.DWG		
DATE:	10 / 19 / 2020		



PROP. BIORETENTION BASIN
 TOP OF BERM: 241.90
 EMERGENCY SPILLWAY: 240.50
 BOTTOM OF BASIN: 236.00
 BOTTOM OF SOIL BED: 234.00
 SEASONAL HIGH WATER TABLE: < 232.00
 2 YR WATER SURFACE ELEVATION: 238.46
 10 YR WATER SURFACE ELEVATION: 239.45
 100 YR WATER SURFACE ELEVATION: 240.36

TOP OF BERM: 241.90

200' EMERGENCY SPILLWAY: 240.50

TOP OF BERM: 241.90

TC:252.10
 BC:251.60

BW:241.00

BW:241.90

BW:243.60

BW:245.25

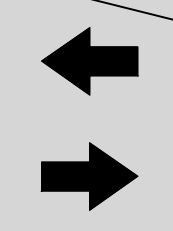
BW:246.90

BW:250.60

BW:255.60

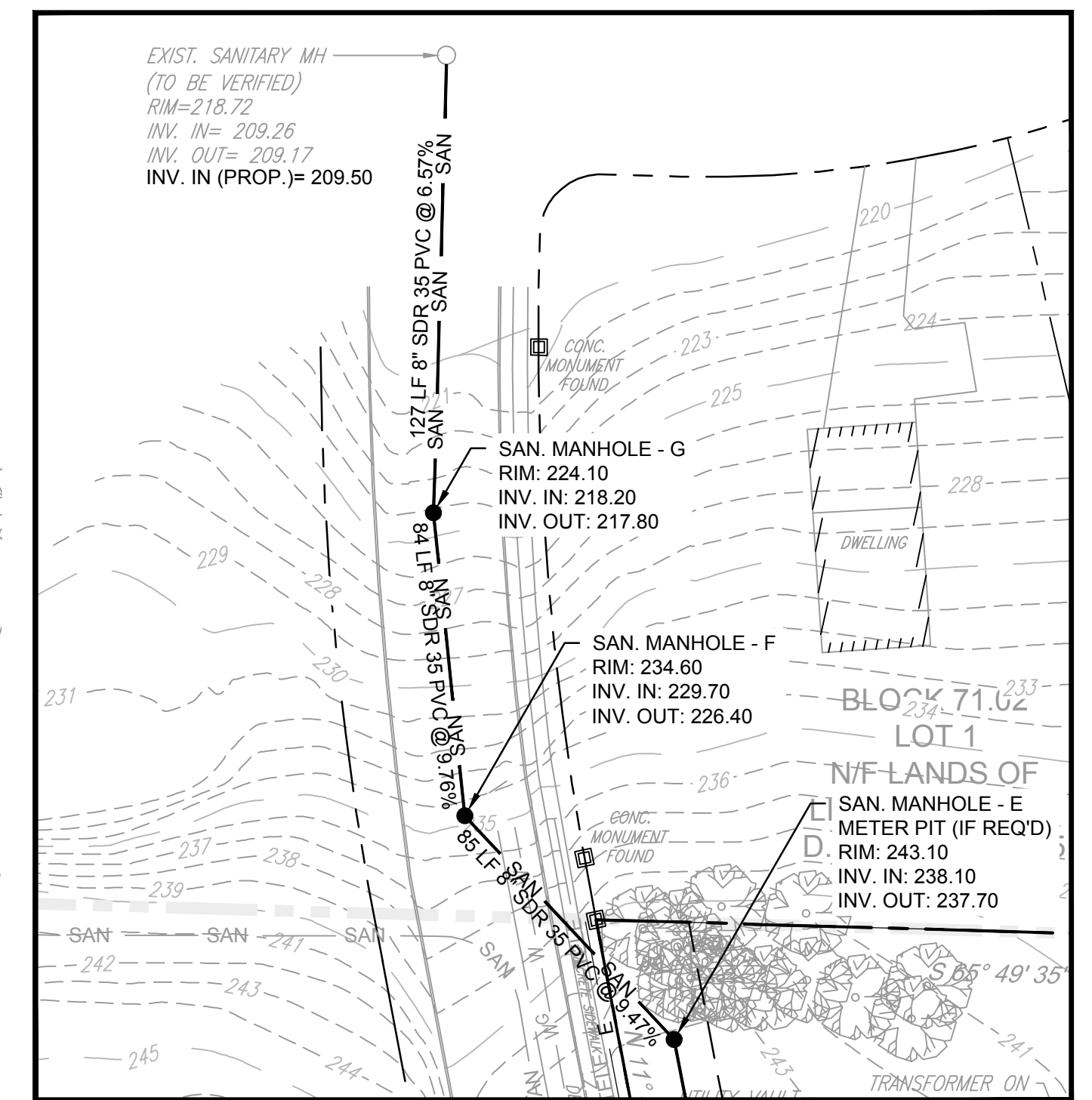
TC:253.94
 BC:253.44

TC:254.05
 BC:253.55

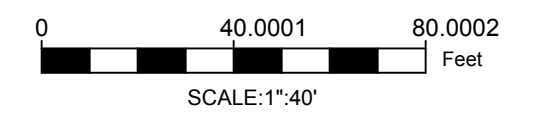


PROPOSED WATER DEMAND CALCULATIONS (PER N.J.A.C. 7:10-12.6B)				
TYPE OF ESTABLISHMENT	MEASUREMENT UNIT	TOTAL NUMBER	DAILY WATER DEMAND (GPD/UNIT)	TOTAL (GPD)
WAREHOUSES	EMPLOYEE	100	25	2,500
OFFICE	SQ. FT. FLOOR	10000	0.125	1,250
TOTAL DAILY AVERAGE FLOW OF BLDG (GPD)				3750

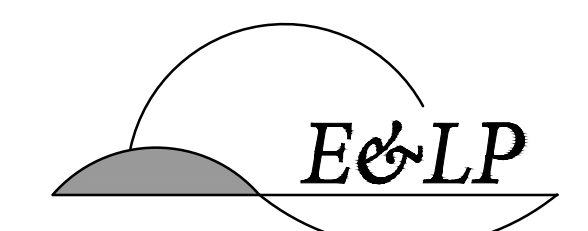
PROPOSED SANITARY SEWER FLOW CALCULATIONS (PER N.J.A.C. 7:14A-23.3)				
TYPE OF ESTABLISHMENT	MEASUREMENT UNIT	TOTAL NUMBER	DAILY SANITARY SEWER DEMAND (GPD/UNIT)	TOTAL (GPD)
WAREHOUSES	EMPLOYEE	100	25	2,500
OFFICE	SQ. FT. FLOOR	10000	0.10	1000
TOTAL DAILY AVERAGE FLOW OF BLDG (GPD)				3500



SANITARY SEWER EXTENSION - CONTINUED



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 PH. 908-238-0544 FAX. 908-238-9572
 A PROFESSIONAL ASSOCIATION
 CERTIFICATE OF AUTHORIZATION NO.: 24GA28021500 EXP. 8/31/2022

NO.	REVISION	BY	DATE
1	REV. PER TOWN COMMENTS	EM	1/5/21

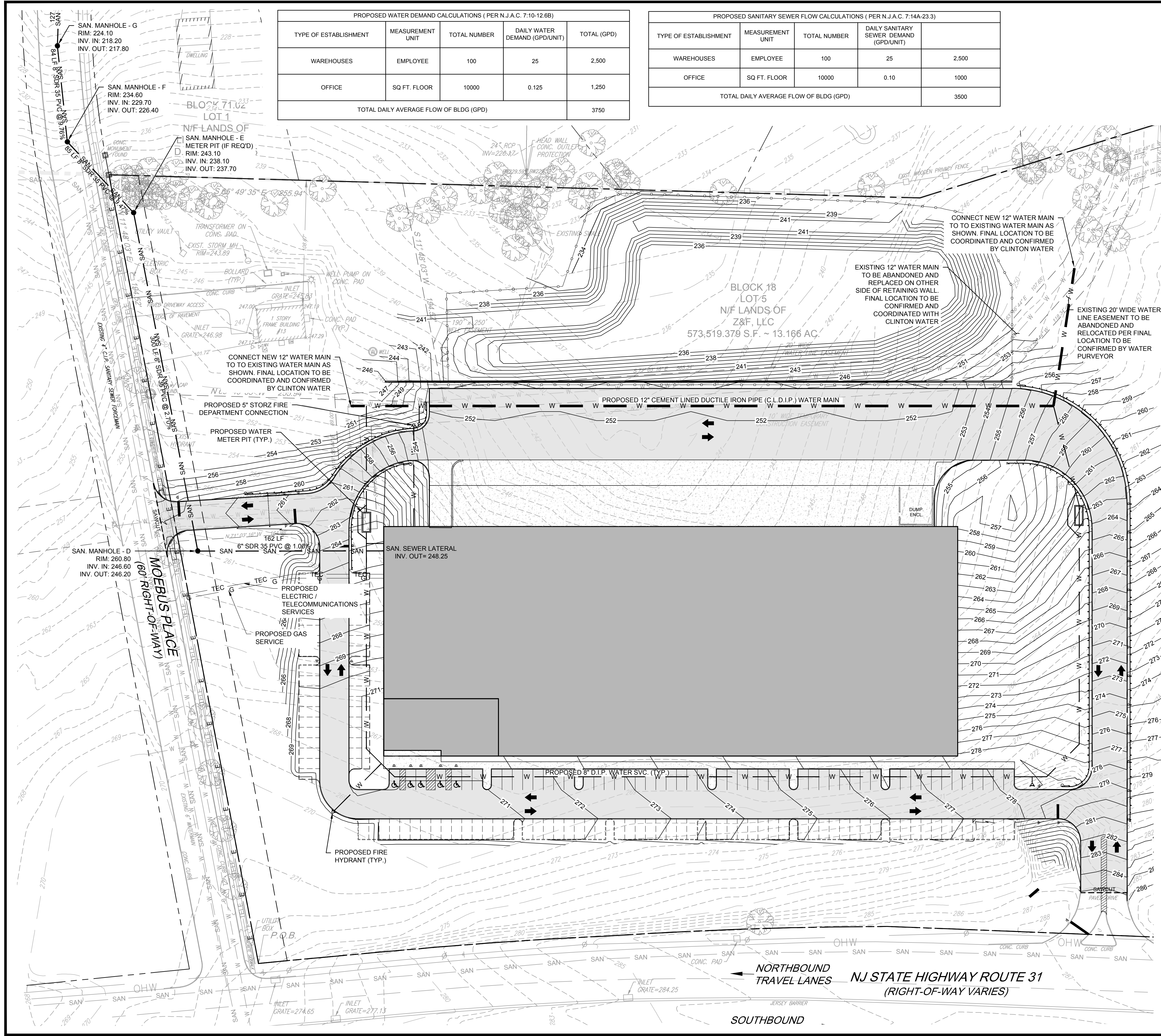
1/5/2021 DATE

 WAYNE J. INGRAM
 PROFESSIONAL ENGINEER
 N.J. P.E. NO. 24GB04258200

PROJECT: PULEO INTERNATIONAL, LLC
 13 MOEBUS PLACE
 BLOCK 18 LOT 5
 TOWN OF CLINTON
 HUNTERDON COUNTY NEW JERSEY

UTILITIES PLAN

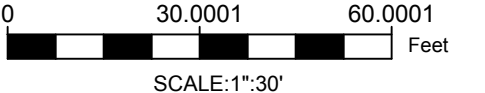
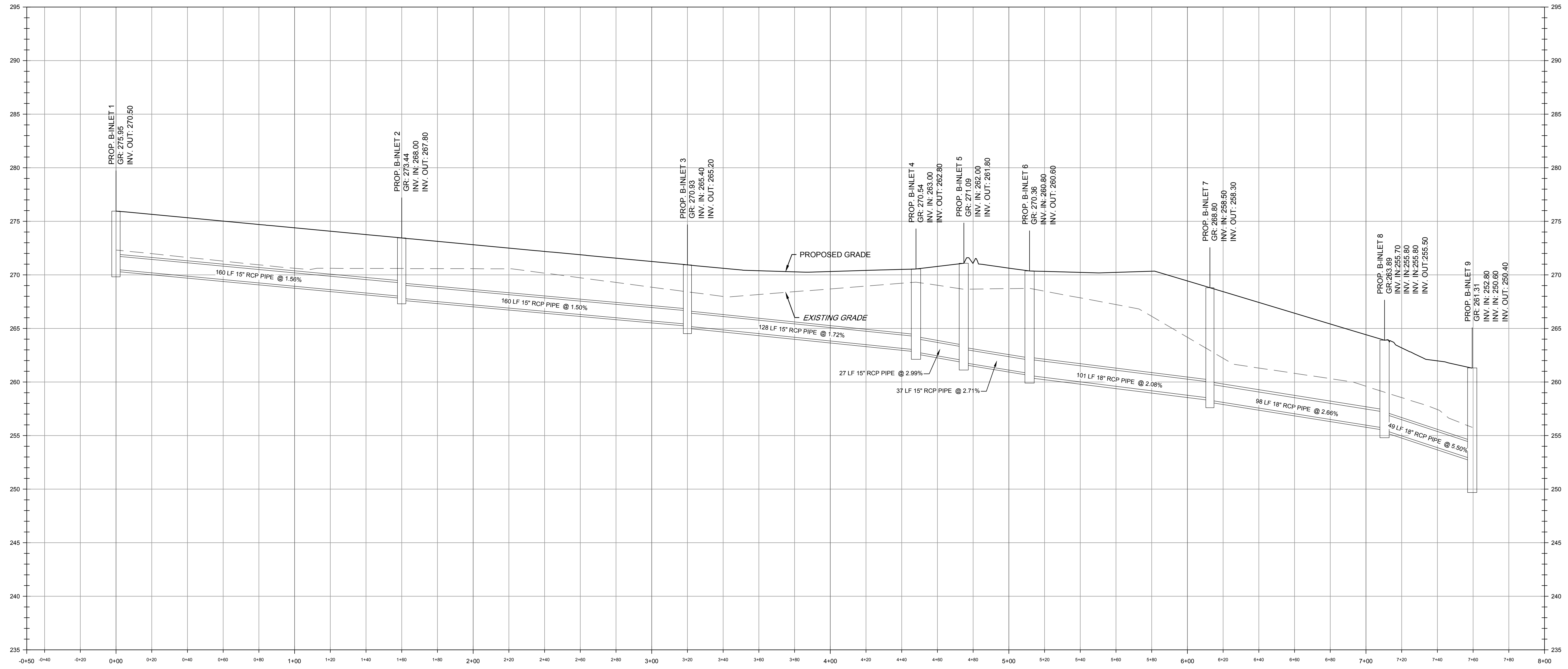
JOB NO.:	0120176	DRAWING NO.:	8
SCALE:	1"=40'		21
DESIGNED:	EAJ		
CHECKED:	KFO		
FILENAME:	08-UTILITY.DWG		
DATE:	10 / 19 / 2020		



- GENERAL NOTES:**
- THE PURPOSE OF THIS PLAN IS TO DEPICT THE DESIGN OF AN EXTENSION FOR A SANITARY SEWER MAIN, TO SERVICE A PROPOSED WAREHOUSE DEVELOPMENT ON BLOCK 18, LOT 5 IN THE TOWN OF CLINTON.
 - SANITARY SEWER LATERALS AND MAINS SHALL BE CONSTRUCTED SO THAT THE TOP OF SEWER IS A MINIMUM OF 18-INCHES BELOW THE BOTTOM OF THE WATER MAIN, OR LOCATED AT LEAST 10-FEET HORIZONTALLY FROM THE WATER MAIN.
 - SANITARY SEWER AND WATER MAIN(S) SHALL BE CONSTRUCTED IN SEPARATE TRENCHES, MAINTAINING A MINIMUM TEN (10) FOOT HORIZONTAL AND EIGHTEEN (18) INCH VERTICAL SEPARATION.
 - SANITARY SEWER AND UTILITY MAIN(S) WHICH PASS BENEATH PROPOSED RETAINING WALLS SHALL BE SLEEVED IN DUCTILE IRON PIPE AND BACKFILLED WITH DENSE GRADED AGGREGATE (DGA).
 - UTILITY CONDUIT WHICH PASS BENEATH PROPOSED RETAINING WALLS OR WITHIN FIVE (5) FEET OF UTILITY STRUCTURE (MANHOLE, CATCH BASIN, OR OUTLET CONTROL STRUCTURE), SHALL BE ENCASED IN CONCRETE.

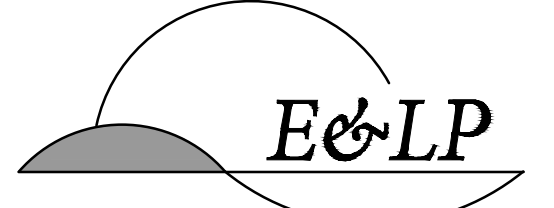
- SANITARY SEWER NOTES:**
- SANITARY SEWER LATERALS SHALL BE CONSTRUCTED SUCH THAT THE TOP OF THE SEWER LINE IS AT LEAST 18-INCHES BELOW THE BOTTOM OF THE WATER MAIN.
 - BUILDING LATERALS SHALL BE PROVIDED WITH CLEANOUTS.
 - SANITARY SEWER MAINS AND LATERALS SHALL BE CONSTRUCTED OF PVC, CLASS SDR35.
 - ALL CONNECTIONS TO EXISTING SANITARY SEWER MANHOLES SHALL BE CORE DRILLED AND THE PIPE CONNECTION SHALL BE MADE WITH A 'XOR-N-SEAL' RUBBER GASKET.

NORTHBOUND TRAVEL LANES
 SOUTHBOUND
 NJ STATE HIGHWAY ROUTE 31
 (RIGHT-OF-WAY VARIES)



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STORM SEWER PROFILE
B-INLET 1 TO B-INLET 9
SCALE
HORIZONTAL: 1" = 30'
VERTICAL: 1" = 5'



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PH. 908-238-0544 FAX. 908-238-9572
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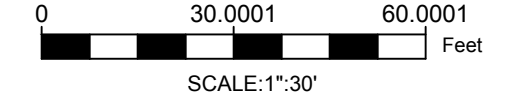
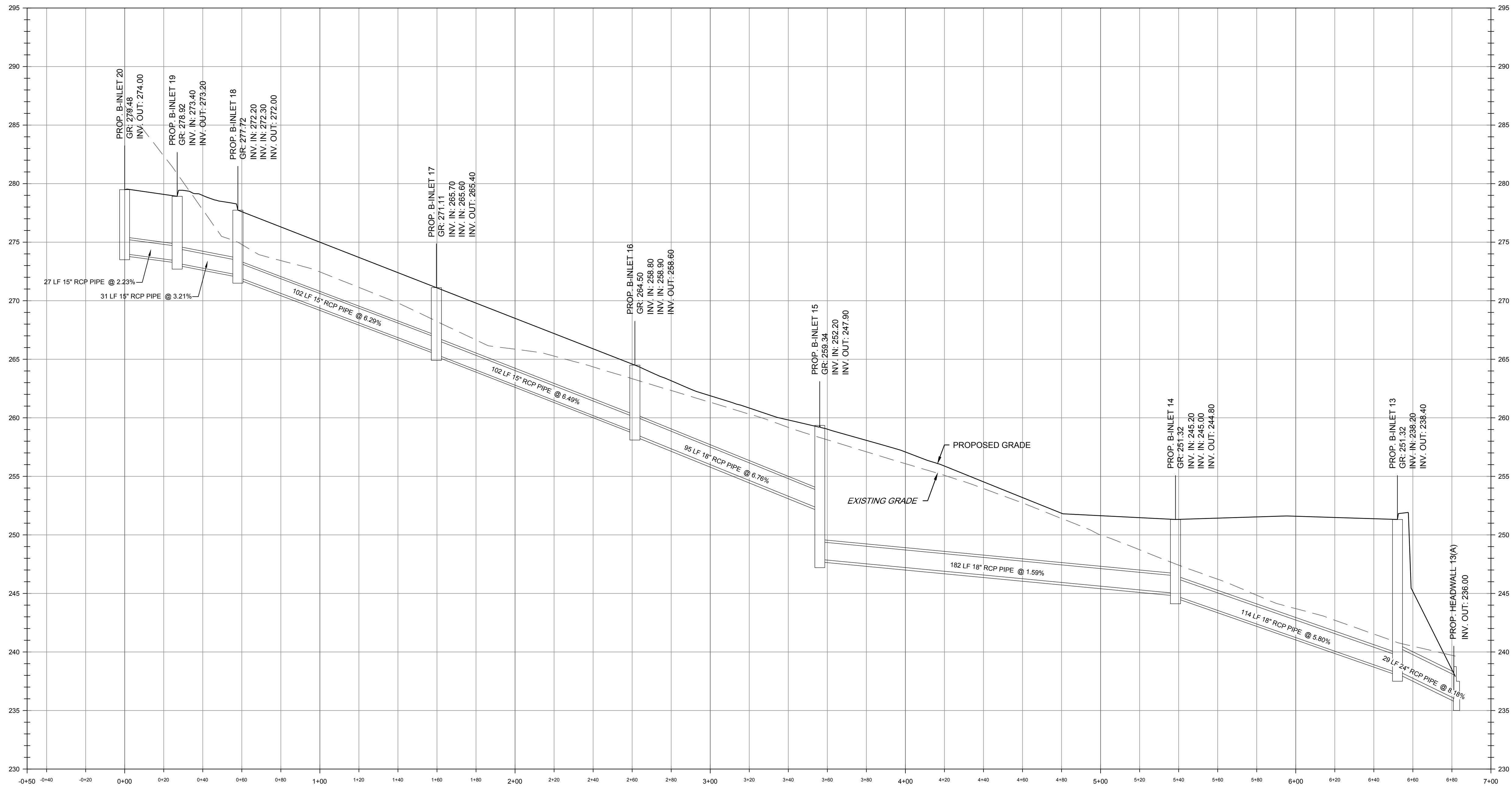
NO.	REVISION	BY	DATE
1	REV. PER TOWN COMMENTS	EM	1/5/21

1/5/2021
DATE
WJ
WAYNE J. INGRAM
PROFESSIONAL ENGINEER
N.J. P.E. NO. 24GB04258200

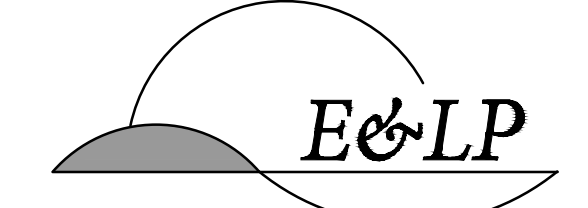
PROJECT:
PULEO INTERNATIONAL, LLC
13 MOEBUS PLACE
BLOCK 18 LOT 5
TOWN OF CLINTON
HUNTERDON COUNTY NEW JERSEY

TITLE:
UTILITIES PROFILE

JOB NO.:	0120176	DRAWING NO.:	9 21
SCALE:	AS NOTED		
DESIGNED:	EAJ		
CHECKED:	KFO		
FILENAME:	UTILITY PROFILE.DWG		
DATE:	10 / 19 / 2020		

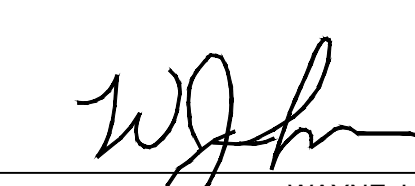


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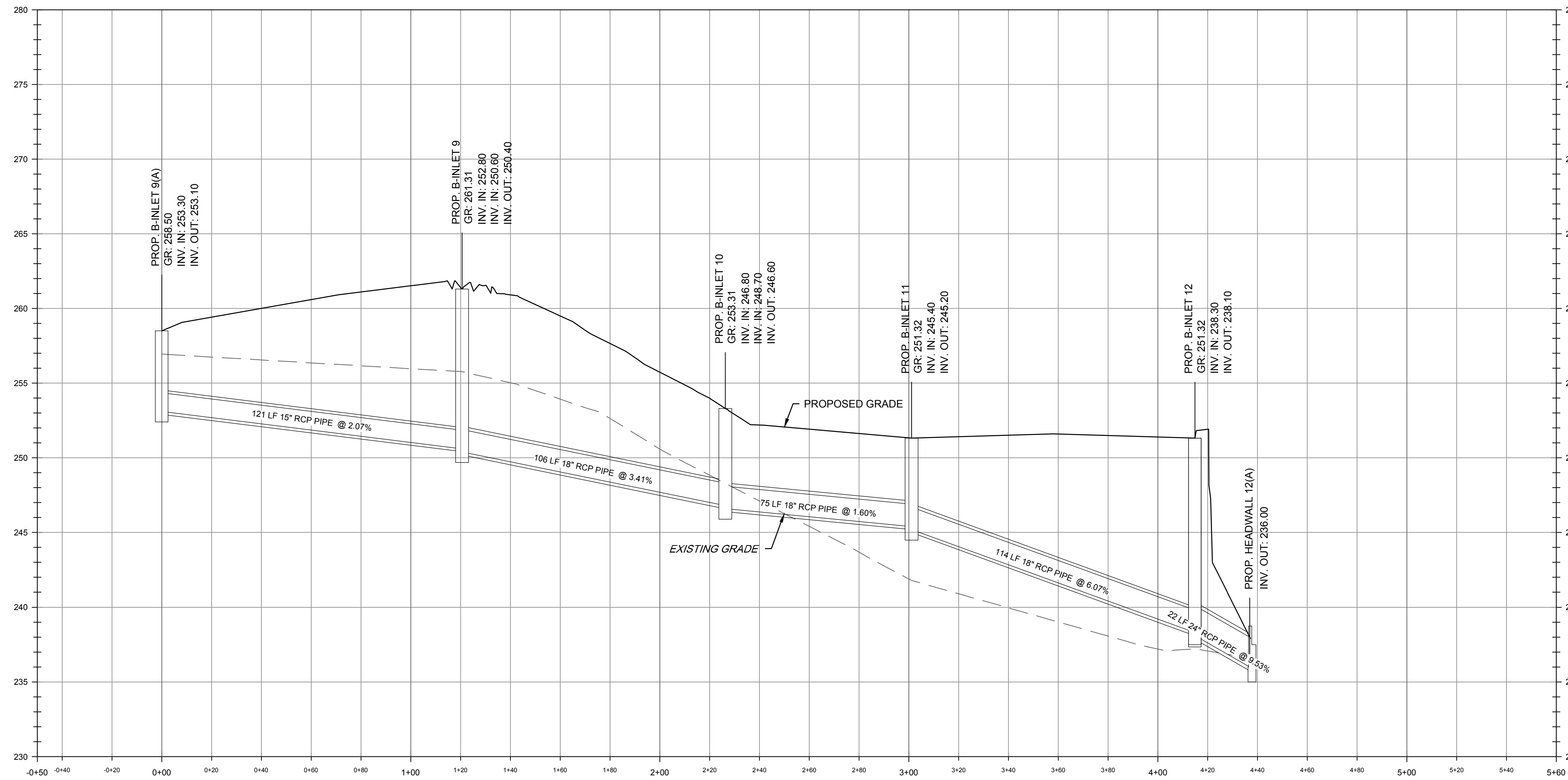
1/5/2021
DATE

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PROJECT:
 PULEO INTERNATIONAL, LLC
 13 MOEBUS PLACE
 BLOCK 18 LOT 5
 TOWN OF CLINTON
 HUNTERDON COUNTY NEW JERSEY

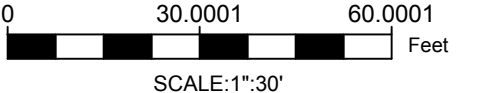
TITLE:
UTILITIES PROFILE

JOB NO.:	0120176	DRAWING NO.:	10 21
SCALE:	AS NOTED		
DESIGNED:	EAJ		
CHECKED:	KFO		
FILENAME:	UTILTY PROFILE.DWG		
DATE:	10 / 19 / 2020		

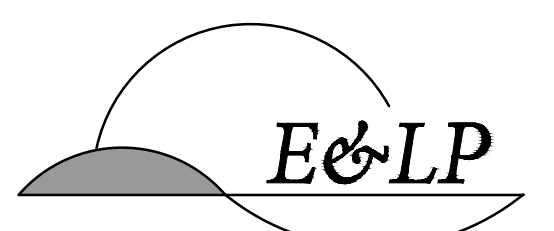
STORM SEWER PROFILE
 B-INLET 20 TO HEADWALL 13(A)
 SCALE
 HORIZONTAL: 1" = 30'
 VERTICAL: 1" = 5'



STORM SEWER PROFILE
B-INLET 9(A) TO HEADWALL 12(A)
SCALE
HORIZONTAL: 1" = 30'
VERTICAL: 1" = 5'



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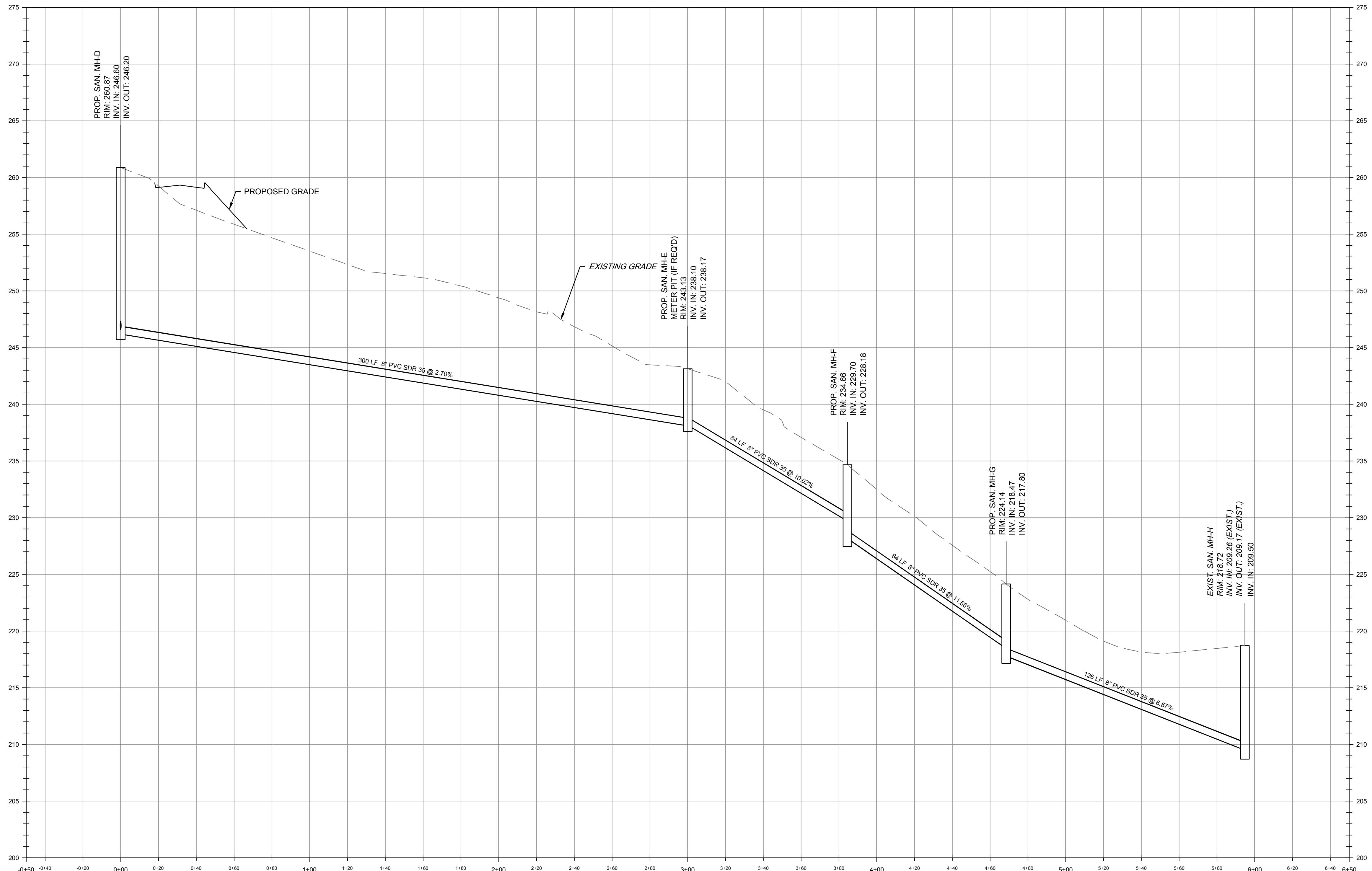
NO.	REVISION	BY	DATE
1	REV. PER TOWN COMMENTS	EM	1/5/21

1/5/2021
DATE
WJ
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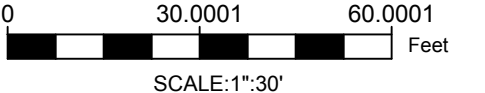
PROJECT:
PULEO INTERNATIONAL, LLC
13 MOEBUS PLACE
BLOCK 18 LOT 5
TOWN OF CLINTON
HUNTERDON COUNTY NEW JERSEY

TITLE:
UTILITIES PROFILE

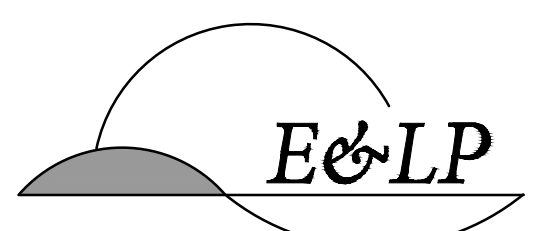
JOB NO.:	0120176	DRAWING NO.:	11 21
SCALE:	AS NOTED		
DESIGNED:	EAJ		
CHECKED:	KFO		
FILENAME:	UTILITY PROFILE.DWG		
DATE:	10 / 19 / 2020		



SANITARY SEWER PROFILE
SAN. MANHOLE - D TO EXISTING SANITARY MANHOLE
 SCALE
 HORIZONTAL: 1" = 30'
 VERTICAL: 1" = 5'




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NO.	REVISION	BY	DATE

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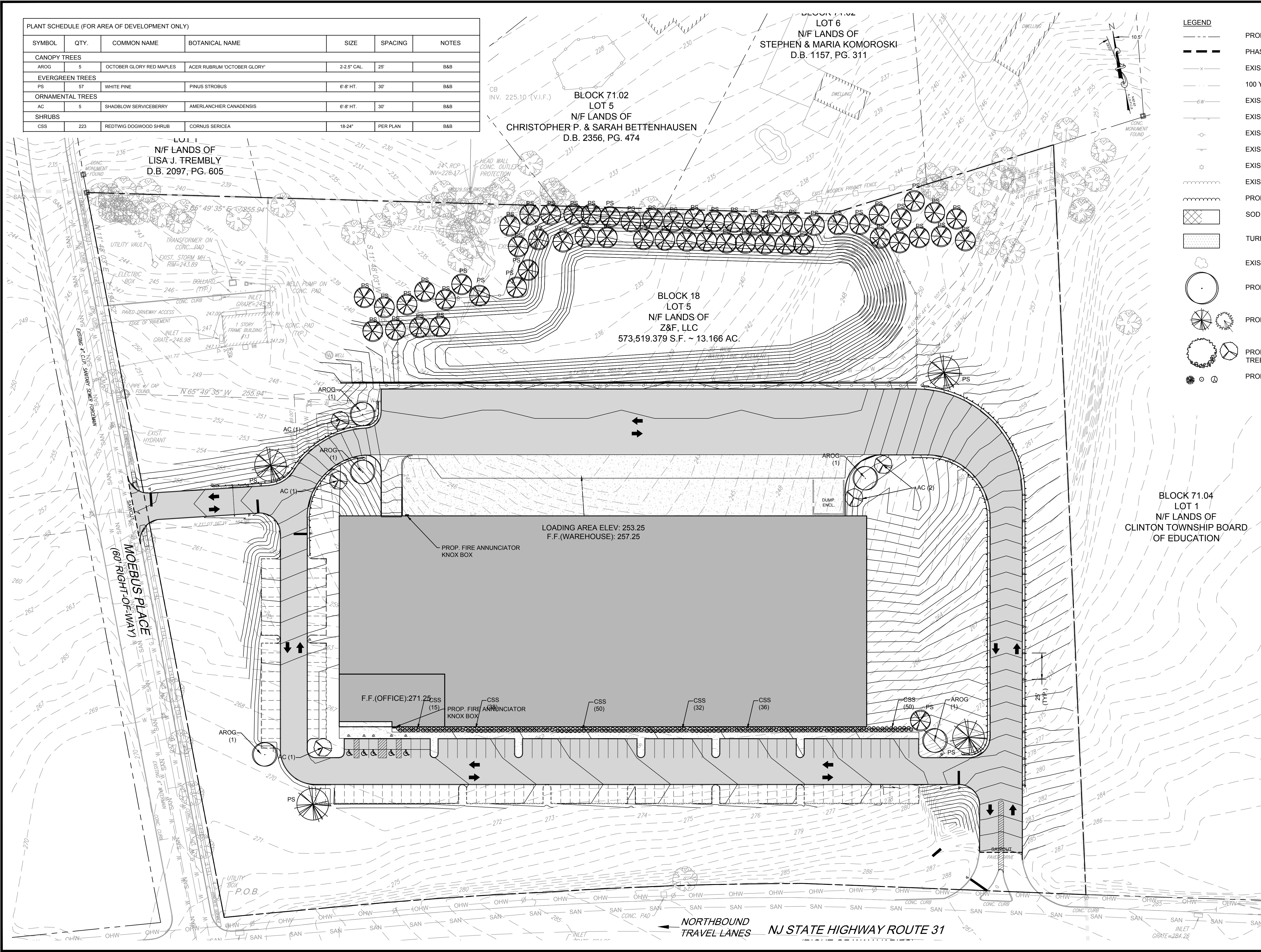
PROJECT:
 PULEO INTERNATIONAL, LLC
 13 MOEBUS PLACE
 BLOCK 18 LOT 5
 TOWN OF CLINTON

HUNTERDON COUNTY NEW JERSEY
 TITLE:

UTILITIES PROFILE

JOB NO.:	0120176	DRAWING NO.:	12 21
SCALE:	AS NOTED		
DESIGNED:	EAJ		
CHECKED:	KFO		
FILENAME:	UTILITY PROFILE.DWG		
DATE:	10 / 19 / 2020		

PLANT SCHEDULE (FOR AREA OF DEVELOPMENT ONLY)						
SYMBOL	QTY.	COMMON NAME	BOTANICAL NAME	SIZE	SPACING	NOTES
CANOPY TREES						
AROG	5	OCTOBER GLORY RED MAPLES	ACER RUBRUM 'OCTOBER GLORY'	2-2.5" CAL.	25'	B&B
EVERGREEN TREES						
PS	57	WHITE PINE	PINUS STROBUS	6'-8" HT.	30'	B&B
ORNAMENTAL TREES						
AC	5	SHADBLOW SERVICEBERRY	AMERLANCHIER CANADENSIS	6'-8" HT.	30'	B&B
SHRUBS						
CSS	223	REDTWIG DOGWOOD SHRUB	CORNUS SERICEA	18-24"	PER PLAN	B&B



LEGEND

- PROPERTY LINE
- PHASING BOUNDARIES
- EXISTING FENCE
- 100 YEAR FLOOD LIMIT
- EXISTING WATER LINE
- EXISTING GUARD RAIL
- EXISTING UTILITY POLE
- EXISTING SIGN
- EXISTING LIGHT POLE
- EXISTING TREE LINE
- PROPOSED TREE LINE
- SOD
- TURF
- EXISTING TREE
- PROPOSED SHADE TREE
- PROPOSED EVERGREEN TREE
- PROPOSED ORNAMENTAL TREE
- PROPOSED SHRUB

0 40 80 Feet
SCALE: 1"=40'

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E&LP

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NO.	REVISION	BY	DATE

1/5/2021 DATE *WJ* WAYNE J. INGRAM
PROFESSIONAL ENGINEER
N.J. P.E. NO. 24GB04258200

PROJECT: PULEO INTERNATIONAL, LLC
13 MOEBUS PLACE
BLOCK 18 LOT 5
TOWN OF CLINTON

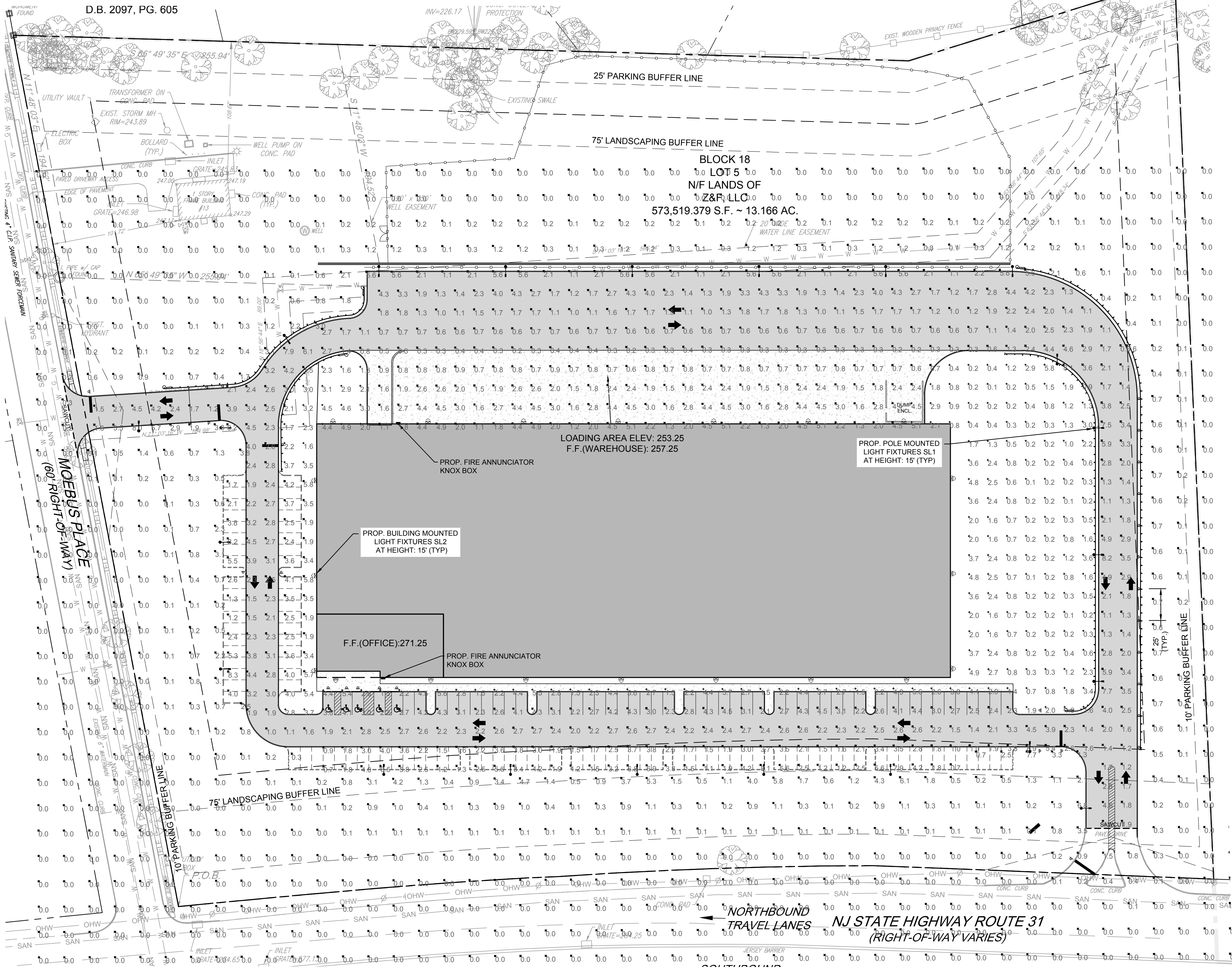
HUNTERDON COUNTY NEW JERSEY
TITLE: **LANDSCAPE PLAN**

JOB NO.:	0120176	DRAWING NO.:	13 21
SCALE:	1"=40'		
DESIGNED:	EAJ		
CHECKED:	KFO		
FILENAME:	13-14-L&L.DWG		
DATE:	10 / 19 / 2020		

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
DOCK AREA	✕	1.7 fc	5.1 fc	0.2 fc	25.5:1	8.5:1
LEFT ENTRANCE & DRIVE	✕	3.3 fc	8.2 fc	0.8 fc	10.3:1	4.1:1
PARKING LOTS	✕	3.0 fc	8.5 fc	0.7 fc	12.1:1	4.3:1
RIGHTSIDE ENTRANCE & DRIVE	✕	2.7 fc	8.9 fc	0.3 fc	29.7:1	9.0:1
SITE CALCULATIONS	+	2.3 fc	8.9 fc	0.1 fc	89.0:1	23.0:1
SPILL LIGHT	✕	0.4 fc	7.7 fc	0.0 fc	N/A	N/A

Symbol	Label	QTY	Manufacturer	Number Lamps	Filename	Lumens per Lamp	Catalog Number	Lamp	Description	LLF	Wattage
□	A	22	American Electric Lighting	1	AT80_30BLE DE16_XXXX R4_4K_9K1 es	16462	AT80 30BLE16 XXXXX R4 4K/9K	LED Array	AT80 SERIES LED 1600MA TYPE 4 4000K/5000 K CCT	0.9	145
⊠	B	20	Holophane	1	HLWPC2_P50 50K_XX_TF TM ies	12278	HLWPC2 P50 50K XX TFTM	LED	Wallpack Full Cutoff LED, LED Performance Package P20, 5000 series CCT, Voltage, Forward Throw Medium	0.9	115

& MARIA KOMOROSKI
B. 1157, PG. 311



HOLOPHANE

HLWPC2
Wallpack Full Cutoff LED

Features:

- New generation LED technology with $+15\%$ efficiency
- 5000K color temperature provides excellent color rendering
- 5000K color temperature provides excellent color rendering
- 5000K color temperature provides excellent color rendering

Applications:

- Warehouse
- Industrial
- Parking lots

Dimensions:

Scale: 1"=40'

DLC

Autobahn Series AT80
Roadway Lighting

Features:

- Long life: Performance is comparable to 50,000 hours
- Wide light: Controlled color temperature: 4000K, 5000K, 6000K
- Unique P50: 180 degree beam spread, 180 degree beam spread

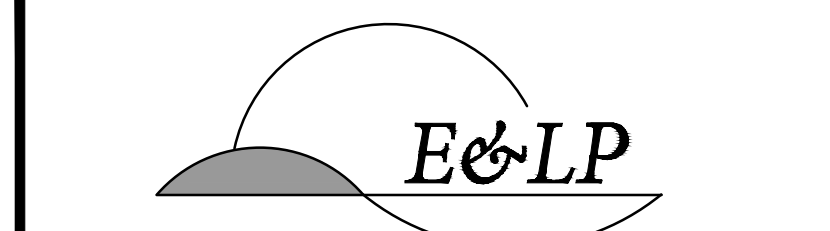
Applications:

- Roadways
- Industrial
- Parking lots

Dimensions:

Scale: 1"=40'

0 40 80 Feet
SCALE: 1"=40'



140 WEST MAIN STREET
PH. 908-238-0544
HIGH BRIDGE, NJ 08829
FAX. 908-238-9572
A PROFESSIONAL ASSOCIATION

CERTIFICATE OF AUTHORIZATION NO.: 24GA28021500 EXP. 8/31/2022

NO.	REVISION	BY	DATE
1	REV. PER TOWN COMMENTS	EM	1/5/21

1/5/2021
DATE

Wayne J. Ingram
WAYNE J. INGRAM
PROFESSIONAL ENGINEER
N.J. P.E. NO. 24GB04258200

PROJECT:

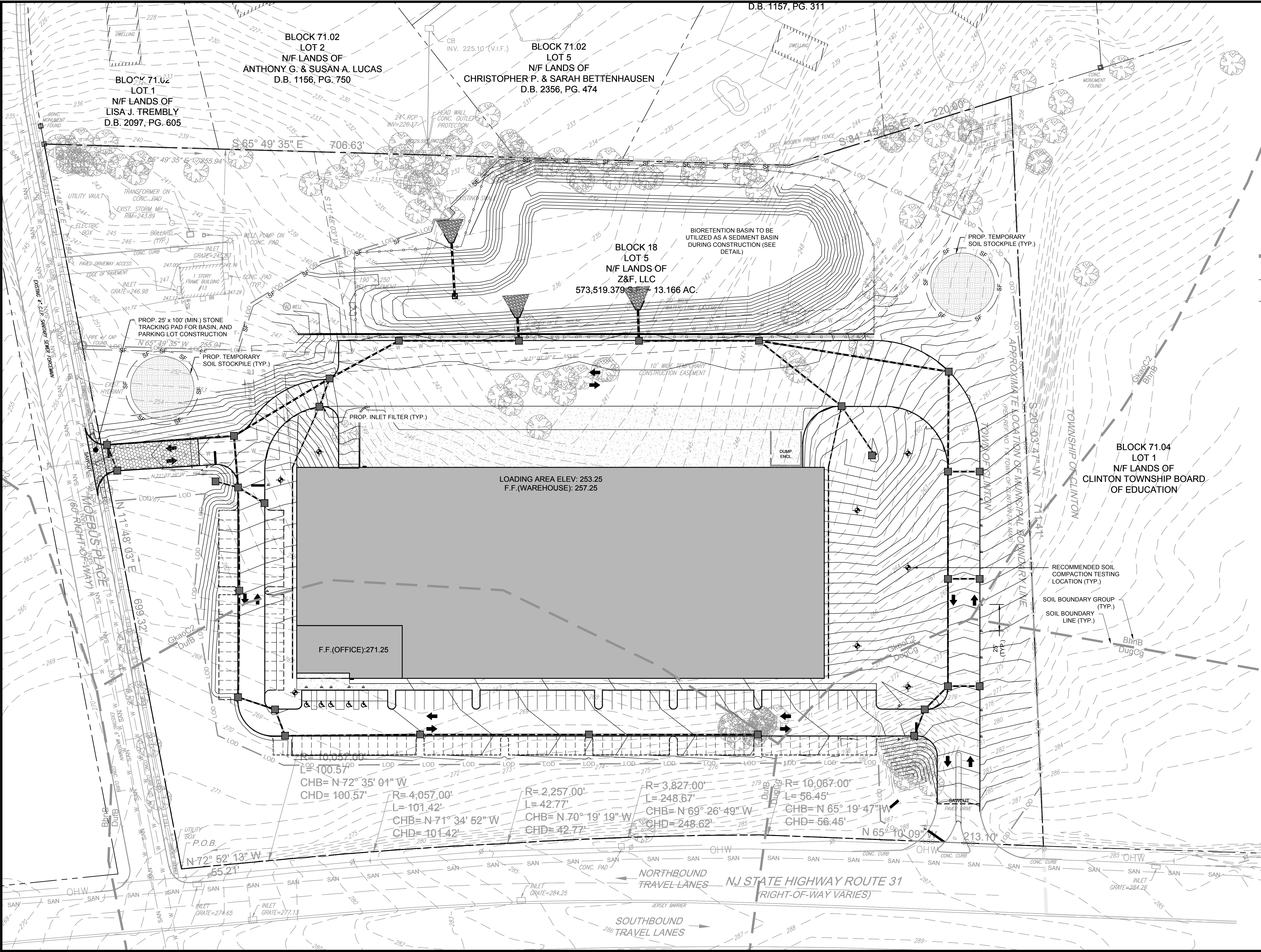
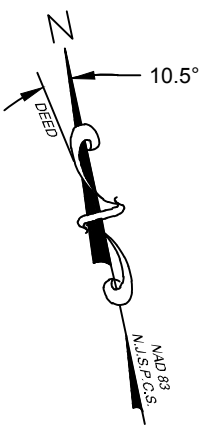
PULEO INTERNATIONAL, LLC
13 MOEBUS PLACE
BLOCK 18 LOT 5
TOWN OF CLINTON

HUNTERDON COUNTY NEW JERSEY

LIGHTING PLAN

JOB NO.:	0120176	DRAWING NO.:	14
SCALE:	1"=40'		21
DESIGNED:	EAJ		
CHECKED:	KFO		
FILENAME:	13-14-L&L.DWG		
DATE:	10 / 19 / 2020		

- LIGHTING NOTES:**
1. SITE LIGHTING FIXTURES SHALL BE CONTROLLED BY A PHOTOCELL OR AUTOMATIC SHUT-OFF SWITCH.
 2. COLOR AND FINISH OF SITE LIGHTING FIXTURES AND POLE SHALL BE DETERMINED BY THE PROJECT ARCHITECT TO COORDINATE WITH PROPOSED BUILDING.
 3. HOUSE SIDE SHIELDS SHALL BE INSTALLED ON LIGHTING FIXTURES ADJACENT TO RESIDENTIAL PARCELS. (DENOTED WITH #3)
 4. FIXTURE LIGHTING SCHEDULE:
GENERAL - WEEKDAYS - FIXTURES ON AS NEEDED FROM 6 AM TO 7 PM.
SECURITY - 7 DAYS/WEEK - FIXTURES NEAREST TO BUILDING ENTRANCES ON FROM DUSK TO DAWN. (DENOTED WITH #4)



**BLOCK 71.02
LOT 2
N/F LANDS OF
ANTHONY G. & SUSAN A. LUCAS
D.B. 1156, PG. 750**

**BLOCK 71.02
LOT 5
N/F LANDS OF
CHRISTOPHER P. & SARAH BETTENHAUSEN
D.B. 2356, PG. 474**

**BLOCK 18
LOT 5
N/F LANDS OF
Z&F, LLC
573,519.379 ± 13.166 AC.**

**BLOCK 71.04
LOT 1
N/F LANDS OF
CLINTON TOWNSHIP BOARD
OF EDUCATION**

LOADING AREA ELEV: 253.25
F.F.(WAREHOUSE): 257.25

F.F.(OFFICE): 271.25

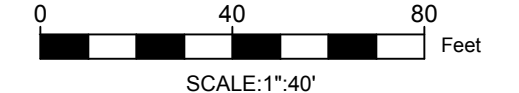
$R = 2,257.00'$
 $L = 42.77'$
 $CHB = N 71^{\circ} 34' 52'' W$
 $CHD = 101.42'$

$R = 3,827.00'$
 $L = 248.67'$
 $CHB = N 69^{\circ} 26' 49'' W$
 $CHD = 248.62'$

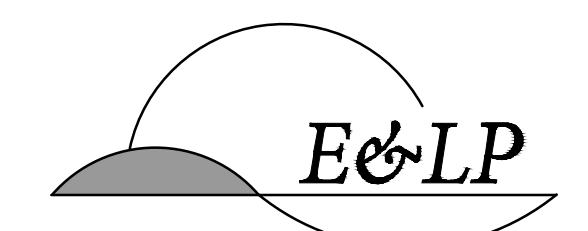
$R = 10,067.00'$
 $L = 56.45'$
 $CHB = N 65^{\circ} 19' 47'' W$
 $CHD = 56.45'$

LEGEND:

- LOD — LIMIT OF DISTURBANCE
- SF — SILT FENCE
- SSF — SUPER SILT FENCE
- SOIL STOCKPILE
- STABILIZED CONSTRUCTION ENTRANCE



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140 WEST MAIN STREET HIGH BRIDGE, NJ 08829
 PH. 908-238-0544 FAX. 908-238-9572
 A PROFESSIONAL ASSOCIATION
 CERTIFICATE OF AUTHORIZATION NO.: 24GA28021500 EXP. 8/31/2022

NO.	REVISION	BY	DATE
1	REV. PER TOWN COMMENTS	EM	1/5/21

1/5/2021
 DATE *WJ*
 WAYNE J. INGRAM
 PROFESSIONAL ENGINEER
 N.J. P.E. NO. 24GB04258200

PROJECT:
 PULEO INTERNATIONAL, LLC
 13 MOEBUS PLACE
 BLOCK 18 LOT 5
 TOWN OF CLINTON

HUNTERDON COUNTY NEW JERSEY
 TITLE:
**SOIL EROSION &
 SEDIMENT
 CONTROL PLAN**

JOB NO.:	0120176	DRAWING NO.:	15 21
SCALE:	1"=40'		
DESIGNED:	EAJ		
CHECKED:	KFO		
FILENAME:	15-SECC.DWG		
DATE:	10 / 19 / 2020		

HUNTERDON COUNTY SOIL CONSERVATION DISTRICT SOIL EROSION & SEDIMENT CONTROL NOTES

- THE HUNTERDON COUNTY SOIL CONSERVATION DISTRICT REQUIRES AN ADVANCED 48-HOUR WRITTEN NOTIFICATION PRIOR TO THE START OF ANY LAND DISTURBANCE. A FAILURE OF THIS NOTIFICATION PRIOR TO THE START OF CONSTRUCTION WILL RESULT IN THE ISSUANCE OF A STOP CONSTRUCTION ORDER AND MAY BE CAUSE FOR LEGAL ACTION. NOTICE MAY BE FAXED TO (908) 788-0795 OR MAILED TO: HUNTERDON COUNTY SOIL CONSERVATION DISTRICT, 687 PITSTOWN ROAD, FRENCHTOWN, NJ 08825.
- LAND DISTURBANCE AND CONSTRUCTION WORK START INCLUDES ANY DEMOLITION OR CLEARING THAT TAKES PLACE ON THE PROJECT SITE. APPROPRIATE SOIL EROSION AND SEDIMENT CONTROL MEASURES MUST BE INSTALLED AND MAINTAINED AT THE PROPOSED DEMOLITION AREAS.
- THE PROJECT APPLICANT AND CONTRACTOR ARE TO BE AWARE THAT ADDITIONAL SOIL EROSION AND SEDIMENT CONTROL MEASURES MAY BE REQUIRED BY THE SOIL CONSERVATION DISTRICT OR MUNICIPAL ENGINEER IF FIELD CONDITIONS OR UNFORESEEN SITUATIONS WARRANT THEM.
- THE HUNTERDON COUNTY SOIL CONSERVATION DISTRICT ENCOURAGES THE INSTALLATION AND STABILIZATION OF PERMANENT DETENTION OR RETENTION FACILITIES FROM THE START OF THE PROJECT. THIS IS PARTICULARLY IMPORTANT ON ACCOUNT OF THE STEEP TOPOGRAPHY AND SOILS OF HUNTERDON COUNTY. PRIORITY SHOULD BE SET ON CONSTRUCTION OF ANY DETENTION BASIN OR RETENTION BASIN FACILITY PRIOR TO ANY SIGNIFICANT AMOUNT OF LAND DISTURBANCE. SEDIMENT RISERS CAN BE USED ON A DETENTION BASIN AT ANY TIME AS LONG AS THEY MEET THE CRITERIA OF THE STATE SOIL EROSION AND SEDIMENT CONTROL STANDARDS. IF A SEDIMENT BASIN IS DESIGNED, AS EITHER WITHIN THE PERMANENT BASIN AREA OR AS A STAND-ALONE BASIN, THEY ARE TO BE DESIGN FULLY IN COMPLIANCE WITH THE STANDARDS AND ARE TO BE PROPERLY MAINTAINED DURING CONSTRUCTION. ALL DETENTION/RETENTION BASINS BE COMPLETED AND PERMANENTLY STABILIZED (ALONG WITH CONDUIT OUTLET PROTECTION AND LOW-FLOW CHANNEL) BEFORE ANY STORM DRAINAGE PIPING IS INSTALLED TO THE BASIN AND SAME PIPING IS FUNCTIONING. NO PAVING IS TO TAKE PLACE ON THE PROJECT SITE UNTIL ALL STORMWATER DETENTION/RETENTION FACILITIES ARE ADEQUATELY STABILIZED AS PER PLAN. FAILURE TO MAINTAIN A DETENTION, RETENTION, OR SEDIMENT FACILITY IN WORKING ORDER DURING CONSTRUCTION MAY BE GROUNDS FOR ISSUANCE OF A STOP CONSTRUCTION ORDER BY THE SOIL CONSERVATION DISTRICT.
- THE HUNTERDON COUNTY SOIL CONSERVATION DISTRICT DOES NOT SUPPORT NOR ENDORSE MASS EXCAVATION. THE AMOUNT OF SOIL TO BE KEPT TO EROSION, IS TO BE KEPT TO A MINIMUM. IT IS THE POLICY OF THE HUNTERDON COUNTY SOIL CONSERVATION DISTRICT THAT LARGE DISTURBANCES OF SOIL EXPOSED AT ONE TIME ON A PROJECT WILL REQUIRE A DETAILED PLAN AND TIME-LINE FOR GETTING AREAS STABILIZED. THE STANDARD FOR SEDIMENT BARRIERS WILL BE USED FOR LIMITING LARGE AREAS OF EXCAVATION. IF EXCAVATIONS ARE PROPOSED THAT EXCEED THE SEDIMENT BARRIER STANDARD, THEN ADDITIONAL MEASURES ARE TO BE DESIGNED AND DETAILED, AND A DETAILED SEQUENCE OF CONSTRUCTION BE SUBMITTED FOR RE-CERTIFICATION AND APPROVAL AS A MINIMUM. SOILS EXPOSED FOR LONGER THAN 30 DAYS WILL REQUIRE TEMPORARY STABILIZATION FOLLOWING THE AGRONOMIC SPECIFICATIONS ON THE PLAN.
- A COPY OF THE CERTIFIED SOIL EROSION AND SEDIMENT CONTROL PLAN IS TO BE KEPT ON THE PROJECT SITE DURING CONSTRUCTION AND AVAILABLE FOR REVIEW BY THE CONTRACTOR AND SOIL CONSERVATION DISTRICT INSPECTORS.
- THE LAND DISTURBANCE IS TO PROCEED IN ACCORDANCE WITH THE APPROVED SEQUENCE OF CONSTRUCTION AND THE CERTIFIED PLAN. ALL REQUIRED SOIL EROSION AND SEDIMENT CONTROL MEASURES MUST BE INSTALLED AND MAINTAINED AS OUTLINED IN THE PLAN.
- THE SOIL CONSERVATION DISTRICT IS TO BE NOTIFIED AND REPRESENTED AT A PRE-CONSTRUCTION CONFERENCE (USUALLY HELD AT THE MUNICIPAL ENGINEER'S OFFICE) PRIOR TO THE START OF CONSTRUCTION OR ANY LAND DISTURBANCE.
- ALL DISTURBED AREAS THAT ARE NOT BEING GRADED, NOT UNDER ACTIVE CONSTRUCTION, OR NOT SCHEDULED TO BE PERMANENTLY SEEDED WITHIN 30 DAYS MUST BE TEMPORARILY STABILIZED AS PER SPECIFICATIONS BELOW.
- ALL EXPOSED AREAS WHICH ARE TO BE PERMANENTLY VEGETATED, ARE TO BE SEEDED AND MULCHED WITHIN 10 DAYS OF FINAL GRADING.
- STRAW MULCH (HAY MULCH MAY BE SUBSTITUTED IF APPROVED BY THE DISTRICT) IS TO BE APPLIED TO ALL SEEDINGS AT A RATE OF 1-1/2 TO 2 TONS PER ACRE (APPROX. 100 TO 130 BALES PER ACRE)
- MULCH ANCHORING IS REQUIRED AFTER MULCHING TO MINIMIZE LOSS BY WIND OR WATER. THIS IS TO BE DONE USING ONE OF THE METHODS (CRIMPING, LIQUID MULCH BINDERS, NETTINGS, ETC.) IN THE "STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY".
- EXISTING WEEDY AND POORLY-VEGETATED AREAS WITH LESS THAN 80 PERCENT PERENNIAL GRASS COVER MUST RECEIVE PERMANENT STABILIZATION AS PER THESE SPECIFICATIONS.
- ALL BAGS NEED TO BE SAVED FOR LIME, FERTILIZER, SEED, AND LIQUID MULCH BINDER (IF MULCH ANCHORING METHOD). SUCH PROOFS NEED TO BE SUBMITTED TO THE DISTRICT INSPECTOR FOR VERIFICATION OF MATERIALS AND QUANTITIES USED FOR ALL SEEDINGS.
- AN ADDITIONAL FEE PER INSPECTION (AS PER THE CURRENT HUNTERDON COUNTY SOIL CONSERVATION DISTRICT FEE SCHEDULE AT THE TIME OF INSPECTION) WILL BE ASSESSED ON THOSE SITES WHERE ADDITIONAL INSPECTIONS ARE NECESSITATED AS A RESULT OF NON-COMPLIANCE WITH THE APPROVED PLAN. THIS INCLUDES ADDITIONAL INSPECTIONS PERFORMED AFTER THE FAILURE OF AN INITIAL REPORT OF COMPLIANCE INSPECTION. THE ENTIRE PROJECT SITE IS INSPECTED AT THE TIME OF A REQUEST FOR REPORT OF COMPLIANCE.
- SOILS IN HUNTERDON COUNTY REQUIRE THAT ALL STONE TRACKING PADS (STABILIZED CONSTRUCTION ENTRANCE) BE INSTALLED AT A MINIMUM OF 100 FT. IN LENGTH FOR ROADWAY GRADES OF 0% TO 2% AND 200 FT. FOR ACCESS GRADES GREATER THAN 2%. THIS REQUIREMENT IS THE SAME, REGARDLESS IF MAIN PROJECT ENTRANCE OR INDIVIDUAL DWELLING LOT. STONE TRACKING PADS OR OTHER MEASURES APPROVED BY THE SOIL CONSERVATION DISTRICT ARE TO BE INSTALLED AT ALL CONSTRUCTION ACCESSES TO PAVEMENT. SEE DETAIL ON PLAN SHEET 6.
 - THE CONSTRUCTION ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO ROADWAYS. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE OR ADDITIONAL LENGTH AS CONDITIONS DEMAND AND REPAIR AND/OR CLEAN-OUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO ROADWAYS (PUBLIC OR PRIVATE) OR OTHER IMPERVIOUS SURFACES MUST BE REMOVED IMMEDIATELY.
 - WHERE ACCUMULATING OF DUST/SEDIMENT IS INADEQUATELY CLEANED OR REMOVED BY CONVENTIONAL METHODS, A POWER BROOM OR STREET SWEEPER WILL BE REQUIRED TO CLEAN PAVED OR IMPERVIOUS SURFACES. ALL OTHER ACCESS POINTS, WHICH ARE NOT STABILIZED, SHALL BE ADEQUATELY BLOCKED OFF.
- CONDUIT OUTLET PROTECTION (RIP-RAP APRONS OR SCOUR HOLES) MUST BE DESIGNED AND INSTALLED AT ALL PIPE OUTLETS AS PER THE CERTIFIED PLANS AND STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY. CONDUIT OUTLET PROTECTION MUST BE INSTALLED IMMEDIATELY FOLLOWING PIPE INSTALLATION AND PRIOR TO ANY PIPE FLOW. CONDUIT OUTLET PROTECTION MUST BE MAINTAINED AS PER DESIGN UNTIL THE COMPLETION OF THE PROJECT AND ISSUE OF FINAL REPORT OF COMPLIANCE. SEE CONDUIT OUTLET PROTECTION DETAIL AND SPECIFICATION TABLE ON PLAN SHEET 6.
- ALL STORMWATER INLET PROTECTION NEEDS TO BE MAINTAINED PERIODICALLY WITH FRESH HAYBALES OR CLEAN STONE BERMS (STONE SIZED 1 1/2"-2 1/2") OR APPROVED METHOD TO COMPLETELY ENCIRCLE, BUT NOT BLOCK THE INLETS. SEE DETAIL ON PLAN SHEET 6.
 - INSPECTIONS OF STORMWATER INLET PROTECTION SHALL BE FREQUENT. MAINTENANCE, REPAIR, AND REPLACEMENT SHALL BE MADE PROMPTLY. AS NEEDED. INLET PROTECTION NEEDS TO BE MAINTAINED UNTIL ALL AREAS OF THE SITE, OR AS A MINIMUM THE AREA DRAINING TO THE INLET, ARE PERMANENTLY STABILIZED AND APPROVED BY SOIL CONSERVATION DISTRICT INSPECTORS.
- DUST CONTROL MEASURES ARE TO BE USED DURING ALL PHASES OF CONSTRUCTION OF THE PROJECT. SEE STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY PAGES 16-1 AND 16-2. SEE DUST CONTROL MATERIALS TABLE ON THIS SHEET.
- ALL TREES THAT ARE TO BE PROTECTED FROM ENVIRONMENTAL AND MECHANICAL INJURY DURING CONSTRUCTION ARE TO BE ADEQUATELY MARKED IN FENCED-OFF PRIOR TO CONSTRUCTION AND MAINTAINED DURING CONSTRUCTION. FOR FURTHER INFORMATION SEE STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY PAGES 9-1 THROUGH 9-7. SEE PROPER TREE PROTECTION DETAIL ON PLAN SHEET 6.
- DEWATERING METHODS ARE TO BE FOLLOWED TO PROPERLY REMOVE SUSPENDED SEDIMENTS IN WATER FROM EXCAVATIONS AND/OR TRENCHES PRIOR TO DISCHARGE TO DOWNSTREAM AREAS AND/OR WATERCOURSES. THESE METHODS ARE TO FOLLOW THOSE FOUND IN THE STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY, PAGES 14-1 TO 14-7.
- ON SUBDIVISION PLANS, INDIVIDUAL LOTS ON STEEP SLOPES (GREATER THAN 10%) OR IN CLOSE PROXIMITY TO A DRAINAGEWAY, REQUIRE AN INDIVIDUAL SOIL EROSION AND SEDIMENT CONTROL/GRADING TO BE SUBMITTED AND CERTIFIED PRIOR TO OBTAINING A BUILDING PERMIT AND BEFORE ANY LAND DISTURBANCE ON THAT LOT. THESE INDIVIDUAL LOT PLANS ARE CONSIDERED MINOR REVISIONS TO A CERTIFIED PLAN AND WILL BE SUBJECT TO A RESUBMISSION FEE FOR REVIEW AND CERTIFICATION AS PER THE CURRENT HUNTERDON COUNTY SOIL CONSERVATION DISTRICT FEE SCHEDULE AT THE TIME OF SUBMISSION.
- AS PER THE TRAFFIC CONTROL STANDARD IN THE STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY (PAGE 33) 1) STEEP BANKS, WETLAND BUFFERS, WATERWAYS, AND OTHER SENSITIVE AREAS ARE TO BE AVOIDED BY CONSTRUCTION TRAFFIC. WETLAND BUFFER AND WETLAND AREAS ARE TO BE ADEQUATELY MARKED IN FIELD PRIOR TO CONSTRUCTION AND MAINTAINED DURING CONSTRUCTION.
- ANY FORMER AGRICULTURAL CROP FIELDS THAT ARE EITHER IN CROPS, CROP RESIDUE, OR ANNUAL WEED COVER ARE TO BE STABILIZED FOLLOWING THE AGRONOMIC SPECIFICATIONS FOR HUNTERDON COUNTY. THIS IS TO BE EITHER A COVER CROP FROM THE PERIOD OF LAST HARVEST AND CONSTRUCTION START-UP OR TEMPORARY STABILIZATION THROUGH SEEDING AND MULCHING. AREAS THAT ARE NOT GOING TO BE EITHER BUILT ON OR CONTINUED TO BE FARMED ARE TO RECEIVE PERMANENT STABILIZATION.
- IF EXCESS FILL OR ANY OTHER MATERIAL IS TO BE REMOVED FROM THE SITE, THE PROJECT OWNER/APPLICANT SHALL BE RESPONSIBLE FOR ITS PROPER DISPOSAL AND WILL NOTIFY THE HUNTERDON COUNTY SOIL CONSERVATION DISTRICT AS TO THE PLANNED DISPOSAL SITE LOCATION. IF APPLICABLE, A SOIL EROSION AND SEDIMENT CONTROL PLAN MUST BE SUBMITTED TO, REVIEWED AND CERTIFIED BY THE HUNTERDON COUNTY SOIL CONSERVATION DISTRICT PRIOR TO ANY MATERIAL REMOVAL FROM THE PROJECT SITE. REMOVAL OF ANY SOIL MATERIAL FROM THE PROJECT SITE WITHOUT WRITTEN AUTHORIZATION FROM THE HUNTERDON COUNTY SOIL CONSERVATION DISTRICT IS A VIOLATION OF THE STATE SOIL EROSION AND SEDIMENT CONTROL ACT.
- STOCKPILING OF FINES (SAND, QUARRY-PROCESS-BLEND, ETC.) IS NOT ALLOWED ON PAVED SURFACES OF THE PROJECT SITE.
- ANY GABION BASKETS USED ON THE PROJECT ARE TO BE COATED WITH PLASTIC OR PVC AND FILLED WITH 4"-7" ANGULAR ROCK. THE GABION THICKNESS IS TO BE AT LEAST THE CALCULATED STONE D50 SIZE OF A REGULAR RIP-RAP APRON. FILTER

FABRIC IS TO BE INSTALLED BETWEEN THE SUBGRADE AND THE GABIONS.

THE LIMITS OF DISTURBANCE SHOWN ON THE PLANS ARE NOT TO BE EXCEEDED UNLESS AUTHORIZED BY THE HUNTERDON COUNTY SOIL CONSERVATION DISTRICT AND A REVISED PLAN SUBMITTED FOR CERTIFICATION.

ALL DISTURBED ROADSIDE AREAS NEED TO BE TOPSOILED, FINAL-GRADED, LIMED, FERTILIZED, SEEDED, MULCHED, AND MULCH-ANCHORED (FOLLOWING DISTRICT AGRONOMIC SPECIFICATIONS FOR PERMANENT SEEDING) FOR A MINIMUM DISTANCE APPROVED BY THE DISTRICT BACK FROM THE CURB-LINE PRIOR TO APPROVAL OF PERMANENT IMPROVEMENT.

THE HUNTERDON COUNTY SOIL CONSERVATION DISTRICT DOES NOT RECOMMEND THE USE OF RIP-RAP D50 SIZES SMALLER THAN 6" FOR APRONS OR SCOUR HOLES SINCE SMALLER STONE SIZES (3" OR 4") TEND TO WASH/RODE UNDER HIGH INTENSITY RAIN STORMS. THE HUNTERDON DISTRICT RECOMMENDS THAT THE SMALLEST D50 STONE SIZE BE SPECIFIED AS 6" WITH THICKNESS SPECIFIED AS 12" WITH FILTER FABRIC OR 18" WITHOUT FABRIC.

TEMPORARY DIVERSIONS TO DIRECT WATER OFF OF A GRADED RIGHT-OF-WAY ONTO A STABLE AREA ARE NEEDED DURING CONSTRUCTION. FOR FURTHER INFORMATION REFER TO THE STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY, (PAGE 15.3 ITEM 2 AND FIGURE 15-4) FOR THE REQUIRED DIMENSIONS AND SPACING.

A SEDIMENT BARRIER MUST BE INSTALLED ABOVE ANY DETENTION/RETENTION BASINS (BETWEEN THE ROADWAY/BUILDING CONSTRUCTION AND DETENTION BASIN). THIS IS TO PROTECT THE DETENTION BASIN NEWLY GRADED/SEEDED AREAS WHILE THE OTHER CONSTRUCTION IS BEING COMPLETED AND ALL UPSTREAM AREAS ARE PERMANENTLY STABILIZED.

HYDROSEEDING/HYDROMULCHING ARE NOT RECOMMENDED PRACTICES IN HUNTERDON COUNTY DUE TO THE HIGH FAILURE RATE OF SEEDINGS, STEEP TOPOGRAPHY, POOR SEED-TO-SOIL CONTACT AND POOR GROUND SURFACE COVERAGE. ALL SEED MUST BE INCORPORATED INTO THE SOIL. HYDROSEEDING EQUIPMENT MAY BE USED IN CONJUNCTION WITH STRAW/HAY MULCH FOR THE PURPOSE OF ANCHORING THE MULCH WITH LIQUID MULCH BINDERS.

IF SUBSURFACE WATER PROBLEMS ARE DISCOVERED DURING CONSTRUCTION, THEY WILL BE RECTIFIED FOLLOWING THE STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY (SUBSURFACE DRAINAGE, PAGE 32-1 THROUGH 32-4).

ALL DEVELOPMENT ROADWAYS ARE TO BE KEPT SCRAPED/SWEPT TO REMOVE SEDIMENT ACCUMULATIONS ALONG CURBS AND AROUND STORMWATER INLETS.

THE MAXIMUM ALLOWABLE VEGETATED SLOPE IS 2:1. SLOPES IN EXCESS OF 3:1 (BETWEEN 2:1 AND 3:1) REQUIRE TEMPORARY EROSION CONTROL MATTING, SUCH AS EXCELSIOR "CURLEX" OR EQUIVALENT, FOR STABILIZATION. THE MATTING IS TO BE PROPERLY INSTALLED WITH SPECIFIED OVERLAP, CHECK SLOTS, ANCHORING SPACING, AND ANCHORING DEVICE TYPE, GAUGE, AND SIZE.

ALL DISTURBED AREAS THAT ARE NOT BEING GRADED, NOT UNDER ACTIVE CONSTRUCTION, OR NOT SCHEDULED TO BE PERMANENTLY SEEDED WITHIN 30 DAYS MUST BE TEMPORARILY STABILIZED AS PER THE AGRONOMIC SPECIFICATIONS.

A REPORT OF COMPLIANCE FROM THE SOIL CONSERVATION DISTRICT IS REQUIRED FOR EACH DWELLING LOT PRIOR TO ISSUANCE OF A CERTIFICATE OF OCCUPANCY ON THAT LOT. FAILURE TO MAINTAIN OR COMPLY WITH THE SOIL EROSION AND SEDIMENT CONTROL PLAN FOR THE PROJECT WILL BE CAUSE FOR COMPLIANCE FAILURE ON AN INDIVIDUAL LOT.

IT IS THE OWNER/APPLICANT'S RESPONSIBILITY TO NOTIFY THE DISTRICT OF ALL PROPERTY CONVEYANCES AND SALE OF INDIVIDUAL LOTS ON A PROJECT. SOIL EROSION AND SEDIMENT CONTROL PLAN APPLICATIONS ARE TO BE FILED BY ANY NEW OWNERS ON PROJECTS/LOTS WHERE CONSTRUCTION ACTIVITIES ARE TO STILL TAKE PLACE.

PURSUANT TO THE NEW JERSEY SOIL EROSION AND SEDIMENT CONTROL ACT, CHAPTER 251, P.L. 1975, THE HUNTERDON COUNTY SOIL CONSERVATION DISTRICT HAS REVIEWED THE PLANS FOR THIS PROJECT AND CERTIFIES THE SOIL EROSION AND SEDIMENT CONTROL PLAN. THE APPROVAL OF THE SOIL EROSION AND SEDIMENT CONTROL PLANS BY THE SOIL CONSERVATION DISTRICT IS LIMITED TO THE SOIL EROSION, SEDIMENTATION, AND RELATED STORMWATER MANAGEMENT CONTROLS SPECIFIED IN PLAN SHEET 6. IT IS NOT AUTHORIZATION TO ENGAGE IN THE PROPOSED LAND USE UNLESS THE MUNICIPALITY OR OTHER CONTROLLING AGENCY HAS PREVIOUSLY APPROVED SUCH USE.

PLANS SUBMITTED TO THE HUNTERDON COUNTY SOIL CONSERVATION DISTRICT MUST BE CONSISTENT WITH PLANS ANY PLANS SUBMITTED TO A REGULATORY AGENCY SUCH AS NJDEP, MUNICIPALITY, ETC. ANY REVISIONS REQUIRED BY ANY REVIEWING AUTHORITY WOULD REQUIRE A RESUBMISSION TO THE DISTRICT FOR REVIEW.

ALL REVISIONS AND MUNICIPAL RENEWALS OF THIS PROJECT WILL REQUIRE RESUBMISSION AND APPROVAL BY THE SOIL CONSERVATION DISTRICT.

REPORT OF COMPLIANCE: A REPORT OF COMPLIANCE APPROVING PERMANENT STABILIZATION MEASURES (OR A SOIL EROSION AND SEDIMENT CONTROL COMPLETION BOND AGREEMENT WITH TEMPORARY STABILIZATION FOR THE WINTER SEASON) IS TO BE ISSUED BY THE SOIL CONSERVATION DISTRICT ON ALL PROJECTS AT THEIR COMPLETION. BEFORE ANY CERTIFICATE OF OCCUPANCY (PERMANENT OR TEMPORARY) CAN BE GRANTED BY THE MUNICIPALITY OR STATE, A WRITTEN REPORT OF COMPLIANCE MUST BE ISSUED BY THE SOIL CONSERVATION DISTRICT.

PURSUANT TO AUTHORITY GRANTED BY N.J.S.A. 4:24 47, THE HUNTERDON COUNTY SOIL CONSERVATION DISTRICT PERIODICALLY INSPECTS THE PROJECT SITE FOR COMPLIANCE WITH THE CERTIFIED SOIL EROSION AND SEDIMENT CONTROL PLANS AND THE STATE SOIL EROSION AND SEDIMENT CONTROL ACT. FAILURE TO COMPLY WITH THE PLANS AND THE ACT MAY BE CAUSE FOR COURT ACTION AND PENALTIES. PURSUANT TO N.J.S.A. 4:24 53, THE MAXIMUM STATUTORY PENALTY PROVIDED BY LAW FOR VIOLATIONS OF THE SOIL EROSION AND SEDIMENT CONTROL ACT IS A FINE OF UP TO \$3,000 EACH DAY AND AN INJUNCTIVE ORDER OF THE SUPERIOR COURT.

IT IS POLICY OF THE HUNTERDON COUNTY SOIL CONSERVATION DISTRICT TO PERIODICALLY EVALUATE ALL PROJECTS TO DETERMINE IF THE COSTS FOR REVIEW AND INSPECTION EXCEED THE PAID FEES. PRIOR TO THE FEES BEING EXCEEDED AN ADDITIONAL FEE WILL BE ASSESSED. THIS FEE WILL BE BASED ON THE INCOMPLETE PORTIONS OF THE PROJECT. REGARDLESS IF PRESENTLY UNDER CONSTRUCTION OR NOT, AS PER THE CURRENT HUNTERDON COUNTY SOIL CONSERVATION DISTRICT FEE SCHEDULE AT THE TIME OF EVALUATION.

SOIL COMPACTION: AREAS OF TRAVEL WITHIN A PROJECT SITE AND/OR STAGING AND PARKING AREAS MAY HAVE SOILS COMPACTED DURING THE COURSE OF PROJECT CONSTRUCTION. ALL SOIL COMPACTION IS TO BE CORRECTED PRIOR TO ANY PERMANENT STABILIZATION AND COMPLETION OF PROJECT. THE TOPSOILING STANDARD (NJ SE8C STANDARDS PAGE 8-2) STATES THAT WHERE THERE IS COMPACTION, THE SURFACE IS TO BE SCARIFIED 6" TO 12" PRIOR TO APPLYING TOPSOIL FOR PERMANENT STABILIZATION. THE SOIL CONSERVATION DISTRICT WILL BE INSPECTING FOR THIS TO BE EMPLOYED PRIOR TO ANY PERMANENT STABILIZATION AND PRIOR TO ISSUE OF ANY REPORT OF COMPLIANCE. WHERE TOPSOIL IS NOT BEING STRIPPED DURING CONSTRUCTION, PRE AND POST COMPACTION TEST MAY BE USED TO VERIFY THAT CONSTRUCTION TRAFFIC HAS NOT CAUSED A SOIL COMPACTION PROBLEM TO THE SITE.

SOIL DE-COMPACTION AND TESTING REQUIREMENTS

SOIL COMPACTION TESTING REQUIREMENTS

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

COMPACTION TESTING METHODS

- PROBING WIRE TEST (SEE DETAIL)
- HAND-HELD PENETROMETER TEST (SEE DETAIL)
- TUBE BULK DENSITY TEST (LICENSED PROFESSIONAL ENGINEER REQUIRED)
- NUCLEAR DENSITY TEST (LICENSED PROFESSIONAL ENGINEER REQUIRED)

NOTE: ADDITIONAL TESTING METHODS WHICH CONFORM TO ASTM STANDARDS AND SPECIFICATIONS, AND WHICH PRODUCE A DRY WEIGHT/SOIL BULK DENSITY MEASUREMENT MAY BE ALLOWED SUBJECT TO DISTRICT APPROVAL.

SOIL COMPACTION TESTING IS NOT REQUIRED IF WHEN SUBSOIL COMPACTION REMEDIATION (SCARIFICATION/TILLAGE (6" MINIMUM DEPTH/OR SIMILAR) IS PROPOSED AS PART OF THE SEQUENCE OF CONSTRUCTION.

PROCEDURES FOR SOIL COMPACTION MITIGATION

PROCEDURES SHALL BE USED TO MITIGATE EXCESSIVE SOIL COMPACTION PRIOR TO PLACEMENT OF TOPSOIL AND ESTABLISHMENT OF PERMANENT VEGETATIVE COVER.

RESTORATION OF COMPACTED SOILS SHALL BE THROUGH DEEP SCARIFICATION/TILLAGE (6" MINIMUM DEPTH) WHERE THERE IS NO DANGER TO UNDERGROUND UTILITIES (CABLES, IRRIGATION SYSTEMS, ETC.), IN THE ALTERNATIVE, ANOTHER METHOD AS SPECIFIED BY A NEW JERSEY LICENSED PROFESSIONAL ENGINEER MAYBE SUBSTITUTED SUBJECT TO DISTRICT APPROVAL.

AGRONOMIC SPECIFICATIONS FOR LAWNS AND CONSTRUCTION SITES

GENERAL

- ALL DISTURBED AREAS THAT ARE NOT BEING GRADED, NOT UNDER ACTIVE CONSTRUCTION, OR NOT SCHEDULED TO BE PERMANENTLY SEEDED WITHIN 30 DAYS MUST BE TEMPORARILY STABILIZED AS PER SPECIFICATIONS BELOW.
- ALL EXPOSED AREAS WHICH ARE TO BE PERMANENTLY VEGETATED, ARE TO BE SEEDED AND MULCHED WITHIN 10 DAYS OF FINAL GRADING.
- STRAW MULCH (HAY MULCH MAY BE SUBSTITUTED IF APPROVED BY THE DISTRICT) IS TO BE APPLIED TO ALL SEEDINGS AT A RATE OF 1-1/2 TO 2 TONS PER ACRE (APPROX. 100 TO 130 BALES PER ACRE).
- MULCH ANCHORING IS REQUIRED AFTER MULCHING TO MINIMIZE LOSS BY WIND OR WATER. THIS IS TO BE DONE USING ONE OF THE METHODS (CRIMPING, LIQUID MULCH BINDERS, NETTINGS, ETC.) IN THE "STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY".
- EXISTING WEEDY AND POORLY-VEGETATED AREAS WITH LESS THAN 80 PERCENT PERENNIAL GRASS COVER MUST RECEIVE PERMANENT STABILIZATION (AS SPECIFIED ON BACK).
- ALL BAGS NEED TO BE SAVED FOR LIME, FERTILIZER, SEED, AND LIQUID MULCH BINDER (IF MULCH ANCHORING METHOD). SUCH PROOFS NEED TO BE SUBMITTED TO THE DISTRICT INSPECTOR FOR VERIFICATION OF MATERIALS AND QUANTITIES USED FOR ALL SEEDINGS.
- AN ADDITIONAL FEE OF \$125.00 PER INSPECTION WILL BE ASSESSED ON THOSE SITES WHERE ADDITIONAL INSPECTIONS ARE NECESSITATED AS A RESULT OF NON-COMPLIANCE WITH THE APPROVED PLAN. THIS INCLUDES ADDITIONAL INSPECTIONS PERFORMED AFTER THE FAILURE OF AN INITIAL REPORT OF COMPLIANCE INSPECTION. THE ENTIRE PROJECT SITE IS INSPECTED AT THE TIME OF A REQUEST FOR REPORT OF COMPLIANCE.

SEED-BED PREPARATION FOR ALL SEEDINGS

SUB-SOIL PREPARATION: IMMEDIATELY PRIOR TO SEEDING AND TOPSOIL APPLICATION, THE SURFACE SHOULD BE SCARIFIED TO A DEPTH OF 6" TO 12" WHERE THERE HAS BEEN SOIL COMPACTION (E.G. AREAS OF HEAVY CONSTRUCTION TRAFFIC). THIS PRACTICE IS TO BE APPLIED TO ALL COMPACTED AREAS WHERE THERE IS NO DANGER TO UNDERGROUND UTILITIES (CABLES, IRRIGATION SYSTEMS, ETC.).

TOPSOILING: AREAS TO BE SEEDED SHOULD HAVE A MINIMUM OF 5" OF FRIABLE, LOAMY, TOPSOIL FREE OF OBJECTIONABLE WEEDS, STONES AND DEBRIS.

FINAL GRADING: GRADING IS TO BE SMOOTH OF RUTS AND FREE OF OBJECTIONABLE STONES, DEPRESSIONS, VEHICLE TRACKS, AND ROUGH EDGES. THERE IS TO BE POSITIVE DRAINAGE AWAY FROM ALL BUILDINGS AND DWELLINGS. REFUSE FROM SEEDED PREPARATION (ROOTS, STICKS, STONES, CONSTRUCTION DEBRIS) MUST BE DISPOSED OF PROPERLY.

LIMING/FERTILIZING: APPLY LIMESTONE AND FERTILIZER TO SOIL TEST RECOMMENDATIONS OR AS FOLLOWS:

- LIME IS TO BE APPLIED AT THE RATE OF 2 TONS (4,000 LBS.) PER ACRE. LIME MAY BE ANY PRODUCT TYPE AS LONG AS THE CEC CALCIMUM CARBONATE EQUIVALENCY = 2 TONS PER ACRE. PELLETIZED AND LIQUID PRODUCTS MAY BE PREFERRED BECAUSE OF THEIR LACK OF DUST AND EASE OF HANDLING BUT MUST MEET THE FORE-MENTIONED CRITERIA.
- STARTER FERTILIZER, SPECIFIED AS 10-20-10, IS TO BE APPLIED AT 500 LBS. PER ACRE
- LIME AND FERTILIZER ARE TO BE WORKED INTO THE SOIL TO A DEPTH OF 4 INCHES.

TEMPORARY STABILIZATION WITH MULCH ONLY

STRAW MULCH (HAY MULCH MAY BE SUBSTITUTED IF APPROVED BY THE DISTRICT) IS TO BE SPREAD UNIFORMLY AT THE RATE OF 2 TO 2-1/2 TONS PER ACRE (TOTAL GROUND SURFACE COVERAGE). THIS PRACTICE IS LIMITED TO PERIODS WHEN VEGETATIVE COVER CANNOT BE ESTABLISHED DUE TO THE SEASON OR OTHER CONDITIONS. MULCH MUST BE ANCHORED IN ACCORDANCE WITH NEW JERSEY STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL. MULCH ALONE CAN ONLY BE USED FOR SHORT PERIODS AND WILL REQUIRE MAINTENANCE AND RENEWAL. OTHER MULCH MATERIALS MAY BE UTILIZED IF APPROVED BY THE DISTRICT TEMPORARY SEEDING TEMPORARY SEEDING IS TO BE USED ON ALL DISTURBED AREAS WHERE PERMANENT STABILIZATION WILL NOT BE ACCOMPLISHED FOR A PERIOD OF UP TO 6 MONTHS.

PRODUCT	RATE RECOMMENDED	OPTIMUM SEEDING DATES
---------	------------------	-----------------------

PERENNIAL RYEGRASS	100 LBS. PER ACRE	3/15-5/15 & 8/15-10/1
SPRING OATS	86 LBS. PER ACRE	3/15-6/1 & 8/1-10/1
WINTER CERIAL RYE	112 LBS. PER ACRE	8/1-11/15
WINTER BARLEY	96 LBS. PER ACRE	8/15-10/1
PEARL MILLET	20 LBS. PER ACRE	5/15-8/15
HUNGARIAN MILLET	30 LBS. PER ACRE	5/15-8/15

STABILIZATION WITH SOD

STABILIZATION WITH SOD IS PERMITTED IN AREAS WHERE MAINTENANCE AND IRRIGATION ARE ADEQUATE TO INSURE PROPER ESTABLISHMENT AND LONGEVITY. SEEDED PREPARATION IS TO BE CONSISTENT WITH ANY OTHER STABILIZATION REQUIREMENTS. (LIME AND FERTILIZER BAGS ARE TO BE RETAINED FOR DISTRICT INSPECTION.) ON SLOPES GREATER THAN 3 TO 1, SOD MUST BE PROPERLY ANCHORED TO THE SLOPE IN ACCORDANCE WITH THE NJ STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL.

PERMANENT SEEDING

- SEED IS TO BE INCORPORATED INTO THE SOIL TO A DEPTH OF 1/4" - 1/2".
- LAWN SEEDINGS ARE TO BE A MIXTURE OF BLUEGRASSES, TURF-TYPE FESCUES, AND TURF-TYPE PERENNIAL RYEGRASSES TO INSURE LONGEVITY, TOLERANCE, AND DURABILITY. NO SEED SHALL BE ACCEPTED WITH A GERMINATION TEST RESULT OF MORE THAN 12 MONTHS RE-TESTED.
- PROFESSIONAL SEED MIXTURES ARE RECOMMENDED RATHER THAN MIXING SEEDS YOURSELF.
- SEED MIXTURE (AS SPECIFIED BELOW) IS TO BE APPLIED AT A MINIMUM RATE OF 200 LBS. PER ACRE OF PERENNIAL SEED.
- OPTIMUM SEEDING PERIOD FOR HUNTERDON COUNTY IS FROM MARCH 1 TO MAY 15 AND AUGUST 15 TO OCTOBER 1. OUTSIDE OF THOSE PERIODS, THE SEEDING RATES ARE TO BE INCREASED BY 50% (I.E.: 300 LBS. PER ACRE OF PERENNIAL SEED INSTEAD OF THE REQUIRED 200 LBS. PER ACRE DURING OPTIMUM PERIODS).
- SEEDINGS SHOULD RECEIVE AN APPLICATION OF FERTILIZER SUCH AS 10-10-10 OR EQUIVALENT AT 400 LBS. PER ACRE APPROXIMATELY 6 MONTHS AFTER FIRST APPLICATION.

SEEDING MIXTURE FOR GENERAL SEEDING - (EXAMPLE: LAWNS)

40% TURF-TYPE TALL FESCUE	OR	60% KENTUCKY BLUEGRASS
10% CREEPING RED FESCUE		20% TURF-TYPE PERENNIAL RYEGRASS
10% CHEWINGS FESCUE		20% CHEWINGS FESCUE
10% KENTUCKY BLUEGRASS		
30% TURF-TYPE PERENNIAL RYEGRASS		

SEEDING MIXTURE FOR HIGH TRAFFIC & CRITICAL AREAS

(EXAMPLES: ATHLETIC FIELDS, WATERWAYS, DIVERSIONS, ETC.)

80% TURF-TYPE TALL FESCUE
10% KENTUCKY BLUEGRASS
10% TURF-TYPE PERENNIAL RYEGRASS

OTHER SEED MIXTURES, SUCH AS BLENDED VARIETIES OF PERENNIAL TURF-TYPE RYEGRASSES, TURF-TYPE TALL FESCUES, OR BLUEGRASSES MAY ALSO BE ACCEPTABLE IF APPROVED BY THE DISTRICT.

GENERAL CONSTRUCTION NOTES

- SEE SHEET 2 FOR GENERAL NOTES.
- THESE DRAWINGS DO NOT INCLUDE THE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY. THE CONTRACTOR SHALL BE RESPONSIBLE TO INSURE "ON THE JOB" SAFETY FOR HIS EMPLOYEES, EMPLOYEES OF THE OWNER AND ALL OTHER PERSONS HAVING AUTHORIZED OR UNAUTHORIZED ACCESS TO THE WORK AND THE PUBLIC. CONTRACTOR SHALL PERFORM HIS WORK IN A SAFE MANNER AND IN COMPLIANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS.
- THE LOCATION, TYPE, SIZE, DEPTH, ETC. OF ALL EXISTING UTILITIES ARE APPROXIMATE AND MUST BE VERIFIED IN THE FIELD BY THE CONTRACTOR AND AT HIS OWN EXPENSE. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES OPERATING WITHIN THE CONSTRUCTION SITE 3 DAYS PRIOR TO COMMENCEMENT OF ANY EXCAVATION FOR ACCURATE FIELD LOCATIONS. FOR UTILITY MARKOUT, CALL 1-800-272-1000. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE DESIGN ENGINEER OF ALL DEVIATIONS OF SITE CONDITIONS AND/OR IF DEPARTURES FROM THE APPROVED DESIGN BECOME NECESSARY DUE SUCH DEVIATIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL LINES, ELEVATIONS, AND MEASUREMENTS, EXERCISING PRECAUTION TO VERIFY ALL DIMENSIONS SHOWN ON DRAWING.
- THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE DESIGN ENGINEER SHOULD DEPARTURES FROM THE APPROVED DESIGN BECOME NECESSARY DUE TO CIRCUMSTANCES WHICH ARISE DURING CONSTRUCTION.
- 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 CONDITIONS OF APPROVAL HAVE BEEN SATISFIED ON THE DRAWINGS AND EACH DRAWING HAS BEEN REVISED TO INDICATE "ISSUED FOR CONSTRUCTION".
- THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND SHALL PAY ALL FEES INCLUDING INSPECTION FEES, AND IN GENERAL SHALL PROCURE ALL REQUIRED PERMITS, LICENSES AND INSPECTIONS, PAY ALL CHARGES AND FEES AND GIVE NOTICES FOR AND INCIDENTAL TO THE DUES.
- ITEMS NOT SPECIFIED BUT NECESSARY FOR PROPER CONSTRUCTION SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR THE SAME AS IF SPECIFIED.
- THE CONTRACTOR SHALL MAINTAIN ON SITE SANITARY UNITS FOR PUBLIC HEALTH PURPOSES.
- THE CONTRACTOR SHALL MAINTAIN TRIMMED GRASSED AREAS (WEEKLY BASIS) AND CLEAR SITE OF LITTER (DAILY BASIS)
- THE CONTRACTOR SHALL SWEEP ALL SOIL AND SILT OR DEBRIS FROM ROADWAY PERIODICALLY THROUGHOUT THE DAY, AND IF WARRANTED OR DIRECTED SWEEP ROAD WITH MECHANICAL STREET SWEEPER.

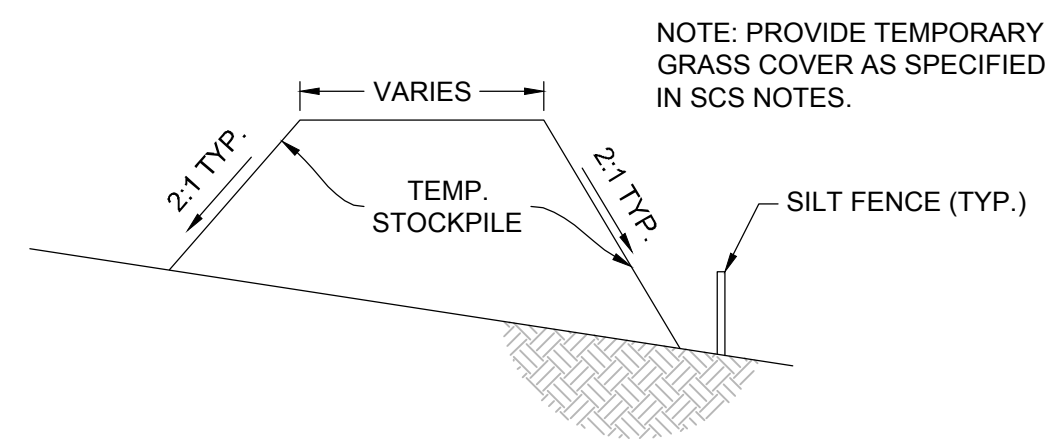
CONSTRUCTION SEQUENCE

INSTALL SOIL EROSION AND SEDIMENTATION CONTROL DEVICES	1 WEEK
CLEAR SITE VEGETATION, PERFORM STRIPPING OPERATION AND STOCKPILE AS REQUIRED FOR THE CONSTRUCTION OF THE DETENTION BASIN	1 WEEK
EXCAVATE DETENTION BASIN. CONSTRUCT EMBANKMENT, OUTLET STRUCTURE, HEADWALL, CONDUIT OUTLET PROTECTION, AND SEDIMENT BARRIER.	2 WEEKS
TOPSOIL AND STABILIZE ENTIRE DETENTION BASIN	1 WEEK
CLEAR SITE VEGETATION, PERFORM STRIPPING OPERATION AND STOCKPILE AS REQUIRED TO CONSTRUCT WAREHOUSE, PAVEMENT AREAS, AND ACCESS DRIVE	1 WEEK
EXCAVATE AND ROUGH GRADE FOR SITE IMPROVEMENTS	4 WEEKS
INSTALL ONSITE STORM AND SANITARY SEWER AND INSTALL INLET FILTERS	6 WEEKS
INSTALL REMAINING SUBSURFACE UTILITIES, AND ELECTRICAL CONDUIT FOR SITE LIGHTING	4 WEEKS
INSTALL CURBING AND RETAINING WALLS	9 WEEKS
FINAL GRADE AND COMPACT PARKING AREA AND ACCESS DRIVE	3 WEEKS
CONSTRUCT BITUMINOUS STABILIZED BASE COURSE	1 WEEK
CONSTRUCT CONCRETE WALKWAYS, TOPSOIL AND STABILIZE PROPOSED LAWN AREAS	2 WEEKS
CONSTRUCT BITUMINOUS SURFACE COURSE	1 WEEK
INSTALL LIGHTING AND LANDSCAPING	4 WEEKS
REMOVE SEDIMENT FROM BASIN, RESHAPE BASIN BOTTOM AS NECESSARY, INSTALL CONCRETE LOW FLOW CHANNEL, INSTALL ADDITIONAL RIP-RAP AS NECESSARY AFTER REMOVAL OF EXCESS SILT	1 WEEK
FINAL CLEANUP INCLUDING THE REMOVAL OF SILT FENCE	1 WEEK
TOTAL:	42 WEEKS

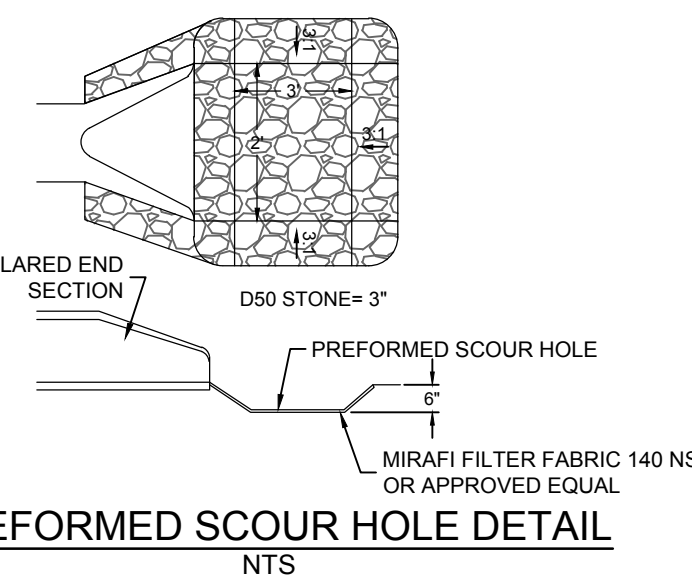
* NOTE: BUILDING FOUNDATION CONSTRUCTION MAY COMMENCE AFTER ROUGH GRADING FOR SITE IMPROVEMENTS AND SHOULD BE COMPLETE PRIOR TO INSTALLATION OF CURBING AND RETAINING WALLS.

TOTAL LIMIT OF DISTURBANCE: 10.03 ACRES (436,845.32 S.F.)

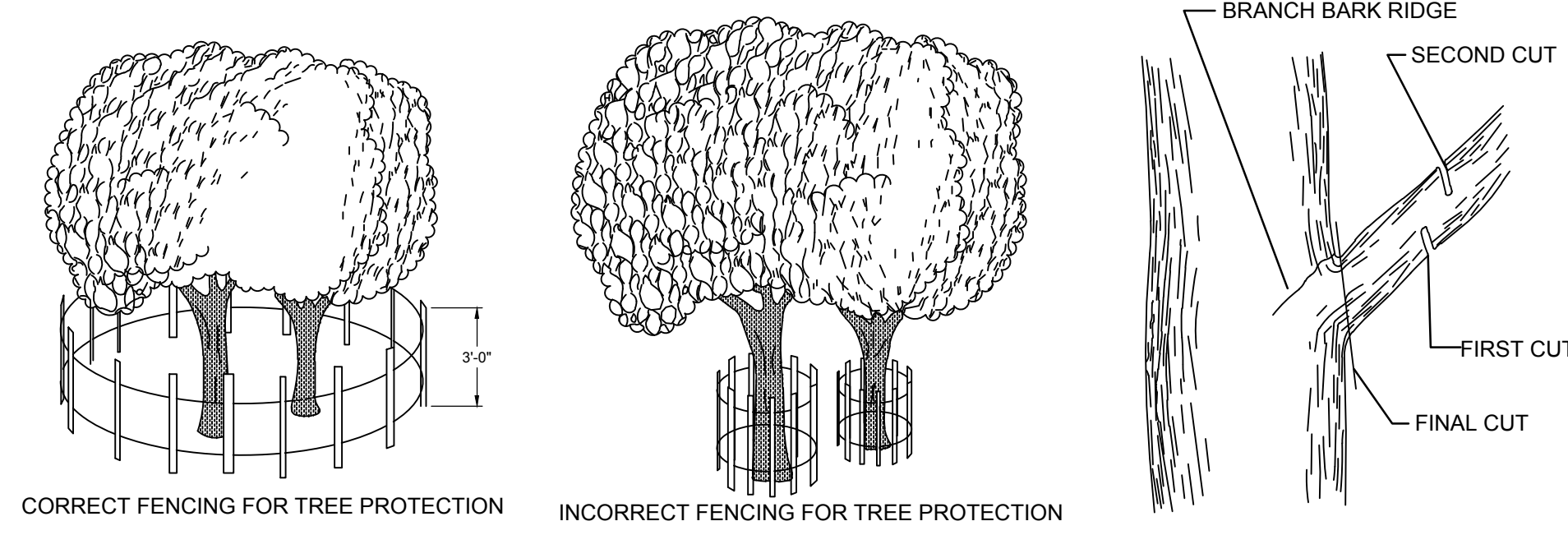
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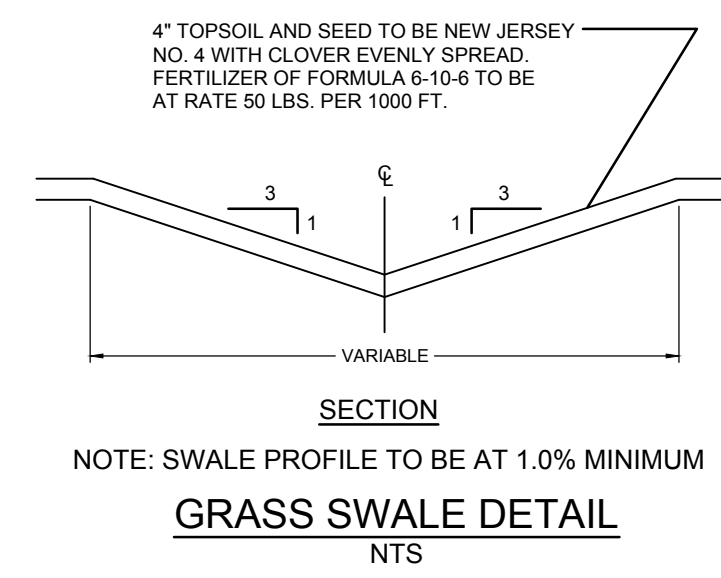
TEMPORARY STOCKPILE DETAIL
NTS



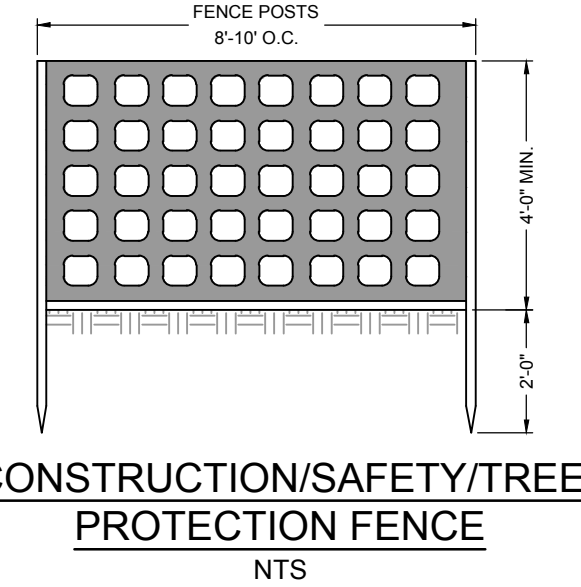
PREFORMED SCOUR HOLE DETAIL
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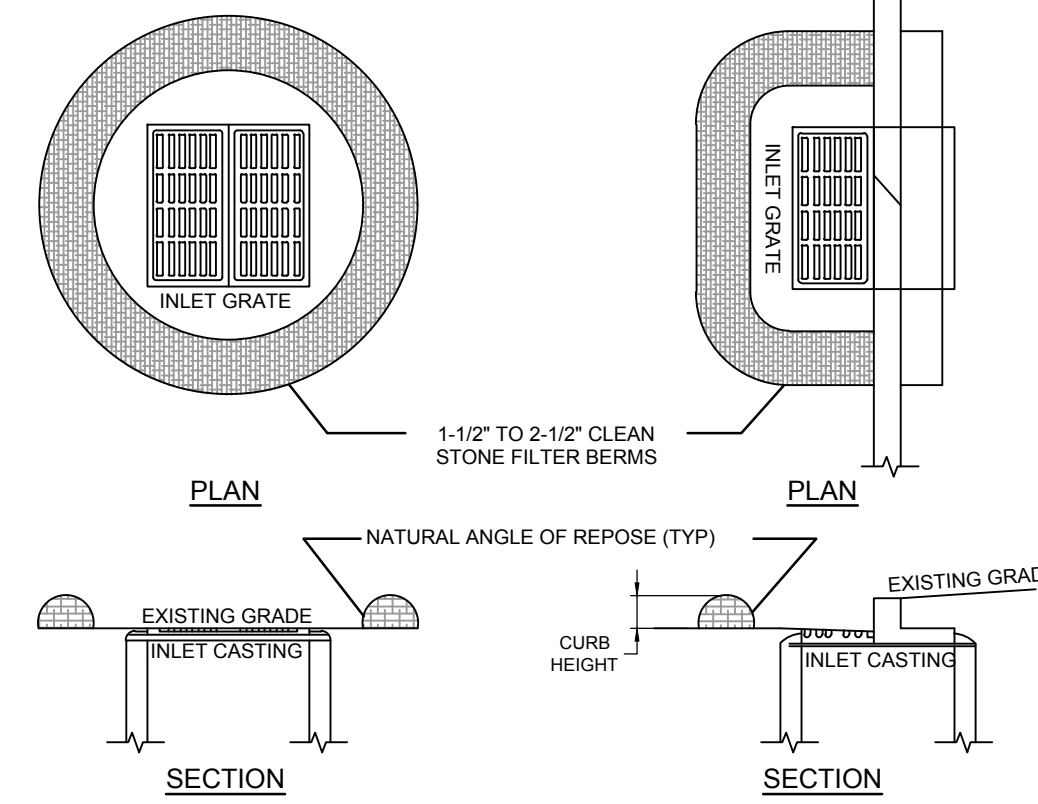
TREE PROTECTION
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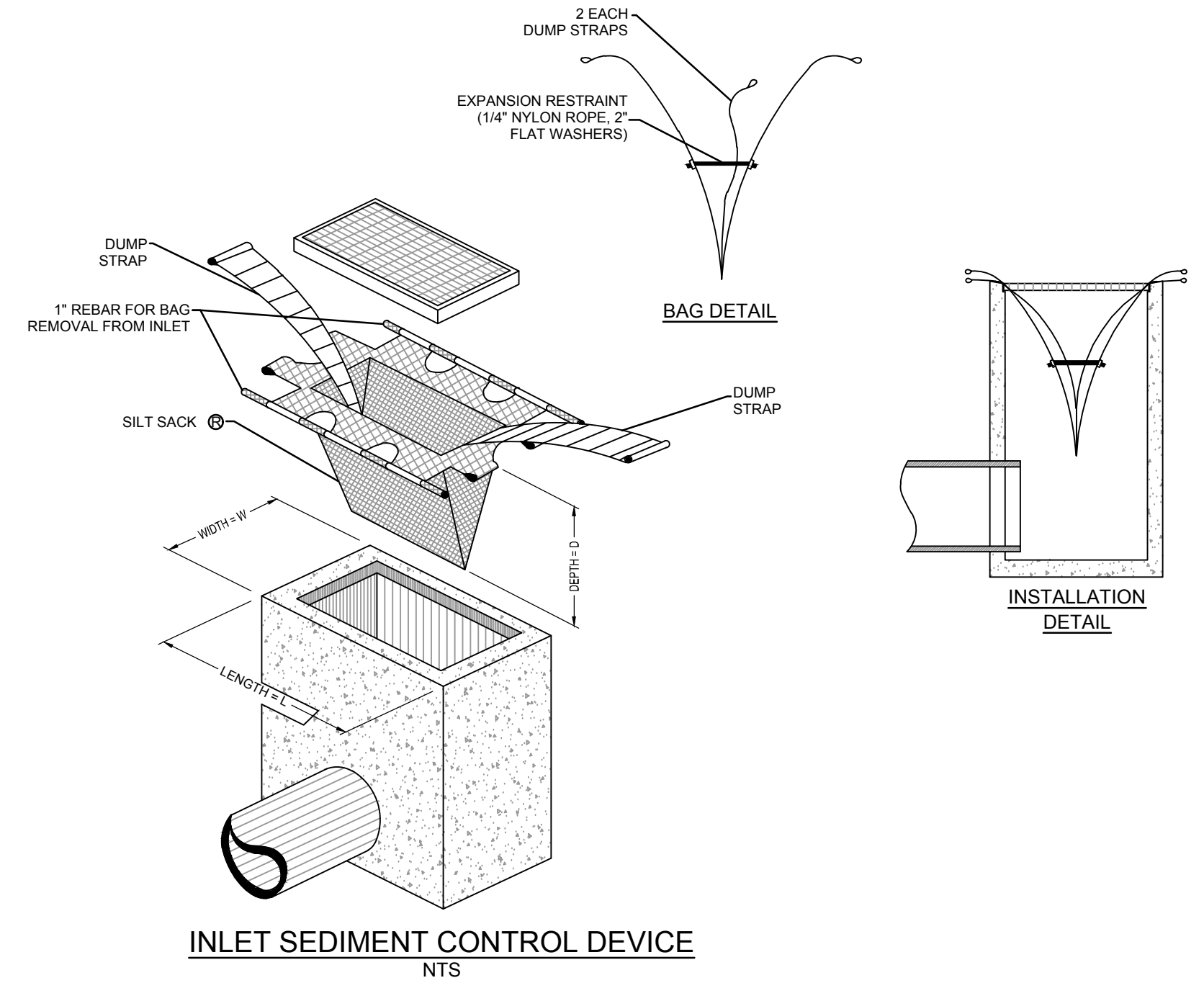
GRASS SWALE DETAIL
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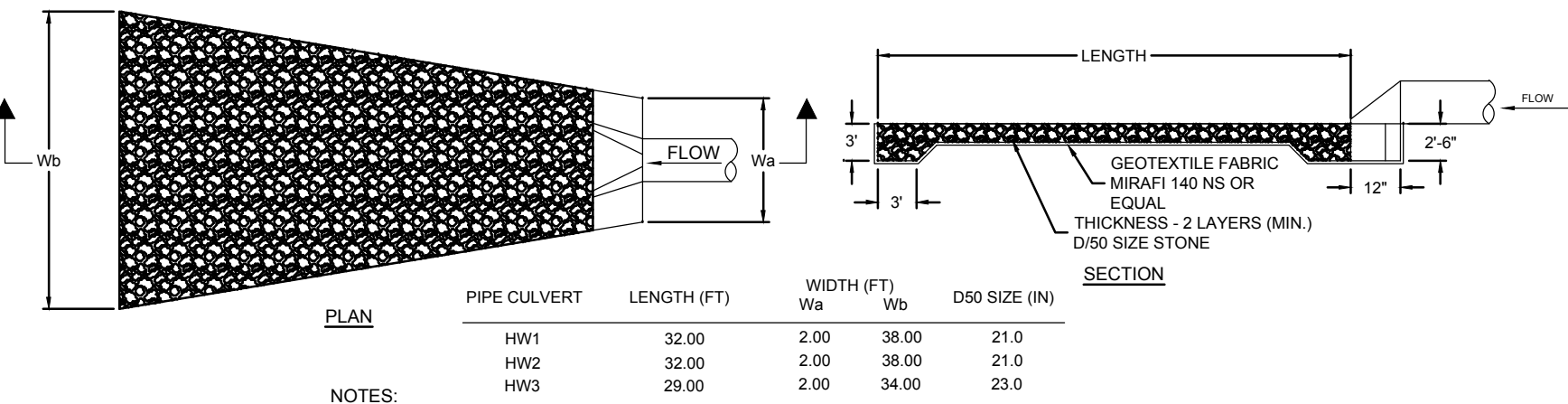
CONSTRUCTION/SAFETY/TREE PROTECTION FENCE
NTS



INLET FILTER PROTECTION DETAILS
NTS



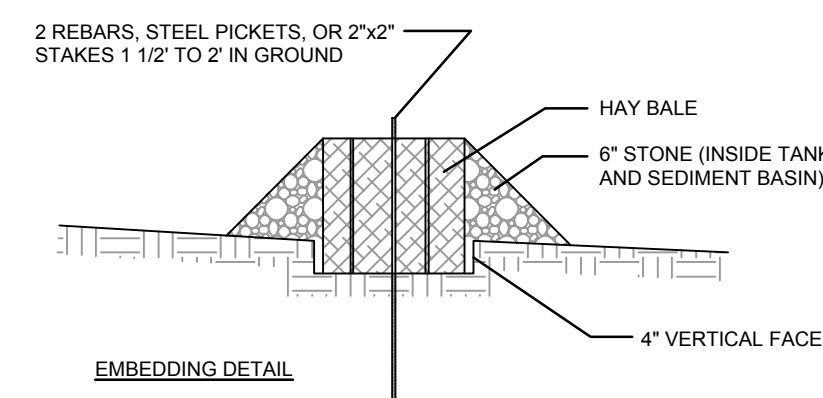
INLET SEDIMENT CONTROL DEVICE
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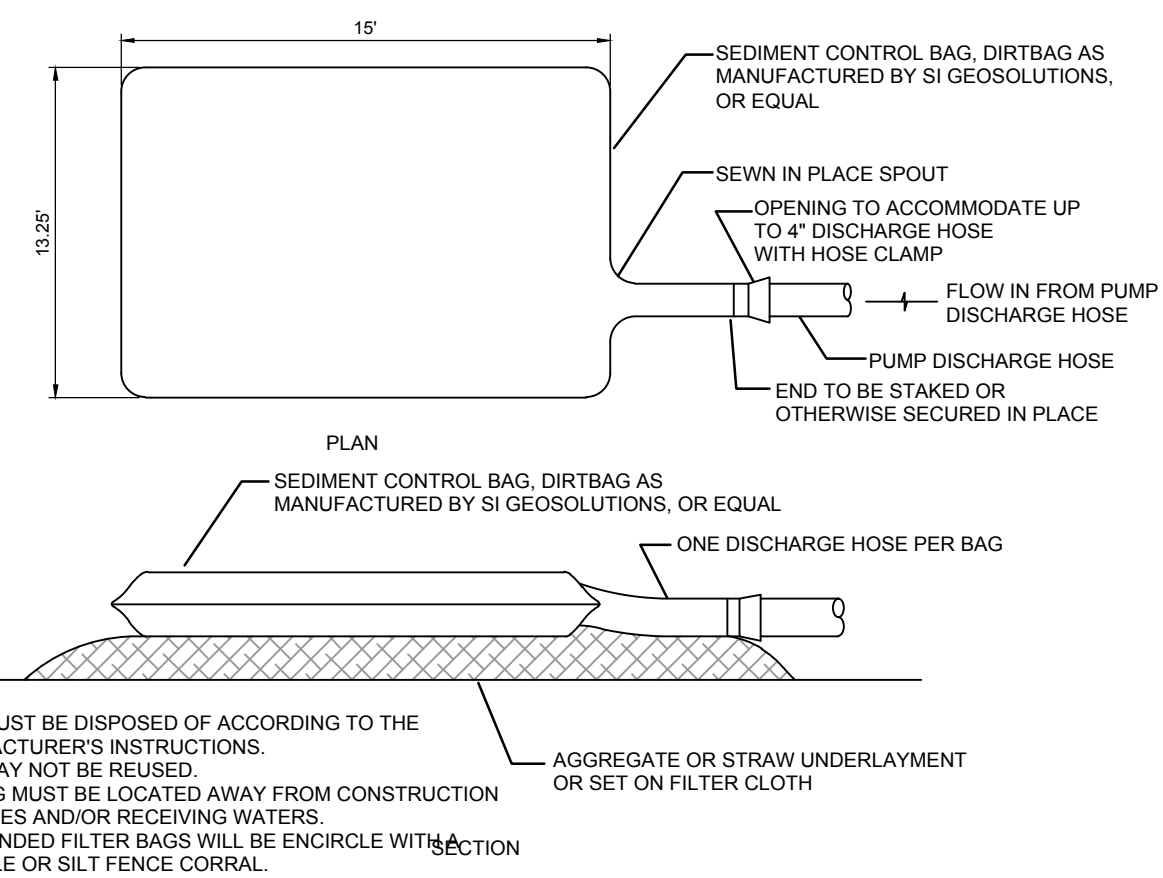
PIPE CULVERT	LENGTH (FT)	WIDTH (FT)	D50 SIZE (IN)
HW1	32.00	2.00	38.00
HW2	32.00	2.00	38.00
HW3	29.00	2.00	34.00

- NOTES:**
- RIP-RAP SHALL EXTEND 2' ABOVE BOTTOM OF PIPE CULVERT ON DOWNSTREAM END IN ACCORDANCE WITH SECTION 12-3 "STANDARDS FOR CONDUIT OUTLET PROTECTION" OF THE NEW JERSEY STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL.
 - BOTTOM WIDTH OF THE RIP-RAP SHALL EQUAL BOTTOM WIDTH OF THE CHANNEL & THE HEIGHT OF THE LINING SHALL EXTEND A MINIMUM OF 6" VERTICALLY FROM THE INVERT OF CULVERT PIPE.

RIP RAP DETAIL
NTS

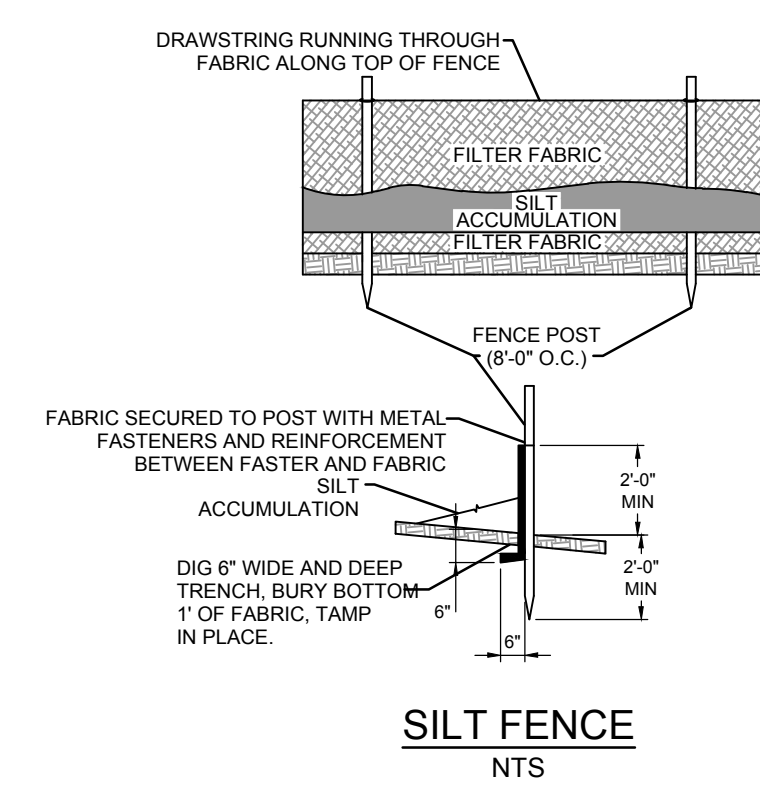


HAY BALE SEDIMENT BARRIER
NTS



- NOTES:**
- BAGS MUST BE DISPOSED OF ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS.
 - BAGS MAY NOT BE REUSED.
 - THE BAG MUST BE LOCATED AWAY FROM CONSTRUCTION ACTIVITIES AND/OR RECEIVING WATERS.
 - UNATTENDED FILTER BAGS WILL BE ENCIRCLED WITH HAY BALE OR SILT FENCE CORRAL.

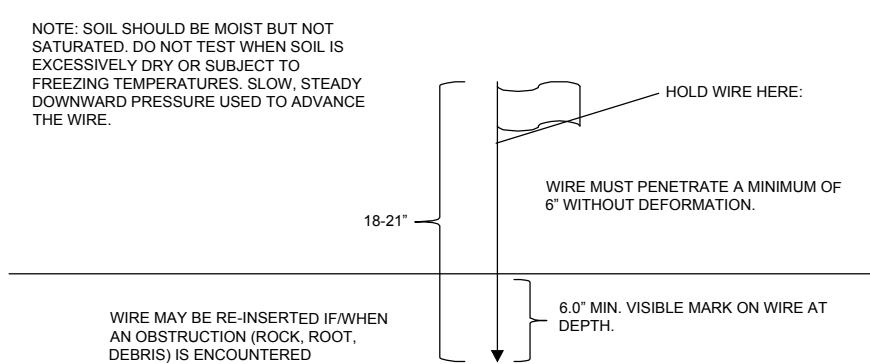
SEDIMENT CONTROL BAG FOR DEWATERING
NTS



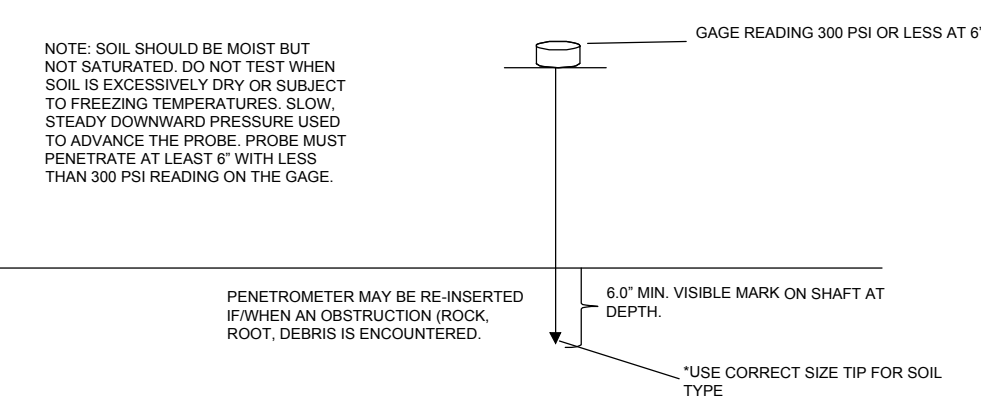
SILT FENCE
NTS

SIMPLIFIED TESTING METHODS

PROBING WIRE TEST - 15.5 GA STEEL WIRE (SURVEY FLAG)



HANDHELD SOIL PENETROMETER TEST



SOIL COMPACTION TEST DETAIL
NTS

DUST CONTROL NOTES

THE FOLLOWING METHODS SHOULD BE CONSIDERED FOR CONTROLLING DUST:
 MULCHES - SEE STANDARDS FOR STABILIZATION WITH MULCHES ONLY (PG. 5-1).
 VEGETATIVE COVER - SEE STANDARDS FOR TEMPORARY VEGETATIVE COVER (PG. 7-1), PERMANENT VEGETATIVE COVER FOR SOIL STABILIZATION (PG. 4-1), AND PERMANENT STABILIZATION WITH SOD (PG. 6-1).
 SPRAY ON ADHESIVES - ON MINERAL SOILS (NOT EFFECTIVE ON MUCK SOILS). KEEP TRAFFIC OFF THESE AREAS.

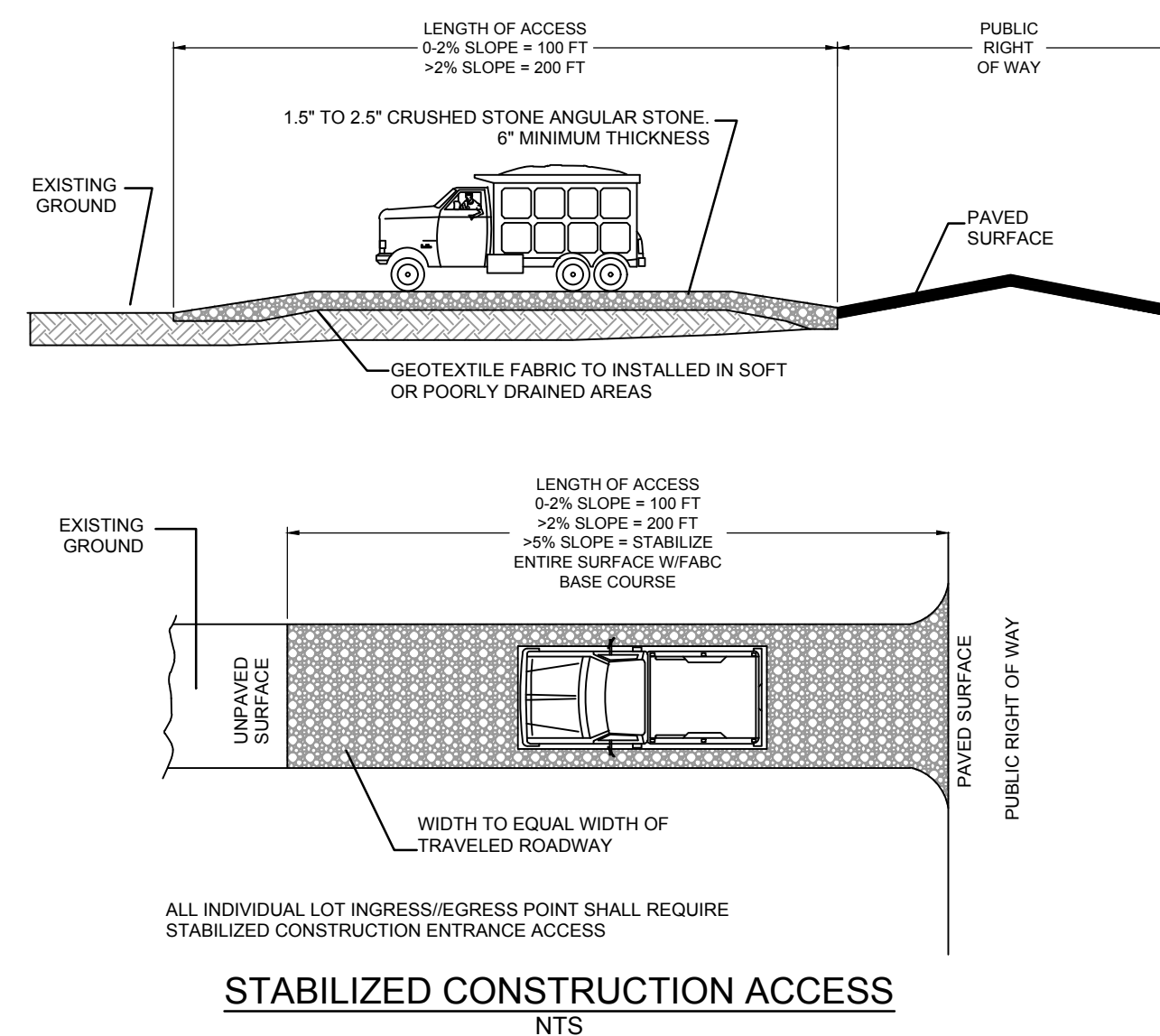
MATERIAL	WATER DILUTION	TYPE OF NOZZLE	APPLY GALLONS/ACRE
ANIONIC ASPHALT EMULSION	7:1	COARSE SPRAY	1,200
LATEX EMULSION	12.5:1	FINE SPRAY	235
RESIN IN WATER	4:1	FINE SPRAY	300
POLYACRYLAMIDE (PAM)-SPRAY ON POLYACRYLAMIDE (PAM)-DRY SPRAY		APPLY ACCORDING TO MANUFACTURER'S INSTRUCTIONS. MAY ALSO BE USED AS AN ADDITIVE TO SEDIMENT BASINS TO FLOCCULATE AND PRECIPITATE SUSPENDED COLLOIDS. SEE SEDIMENT BASIN STANDARD (PG. 26-1)	
ACIDULATION SOY BEAN SOAP STICK	NONE	COARSE SPRAY	1200

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

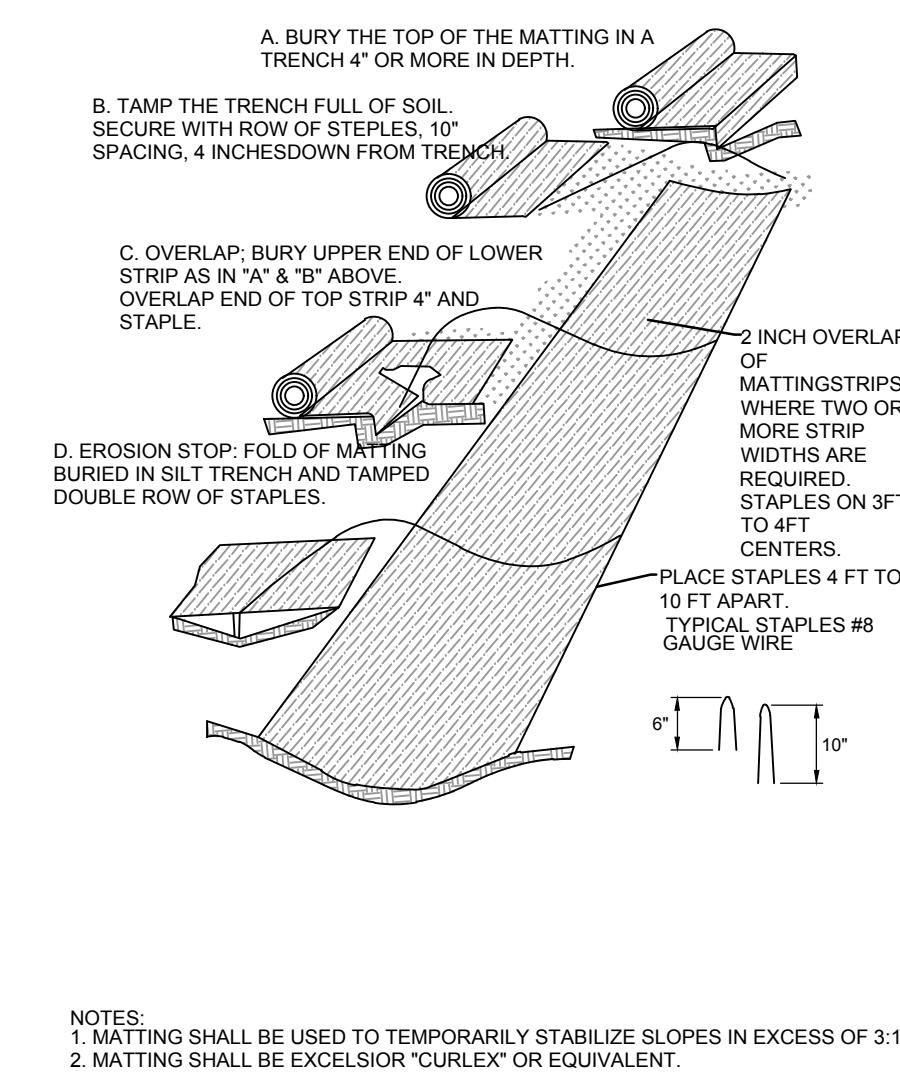
SPRINKLING-SITE IS SPRINKLED UNTIL SURFACE IS WET.
 BARRIERS-SOLID BOARD FENCES, SHOW FENCE, BURLAP FENCES, CRATE WALLS, BALES OF HAY, AND SIMILAR MATERIAL CAN BE USED TO CONTROL AIR CURRENTS AND SOIL BLOWING.

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

STONE-COVER SURFACE WITH CRUSHED STONE OR COARSE GRAVEL.

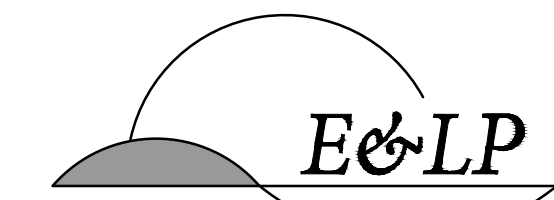


STABILIZED CONSTRUCTION ACCESS
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SOIL STABILIZATION MATTING DETAIL
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140 WEST MAIN STREET HIGH BRIDGE, NJ 08829
 PH. 908-238-0544 FAX. 908-238-9572
 A PROFESSIONAL ASSOCIATION
 CERTIFICATE OF AUTHORIZATION NO.: 24GA28021500 EXP. 8/31/2022

NO.	REVISION	BY	DATE
1	REV. PER TOWN COMMENTS	EM	1/5/21

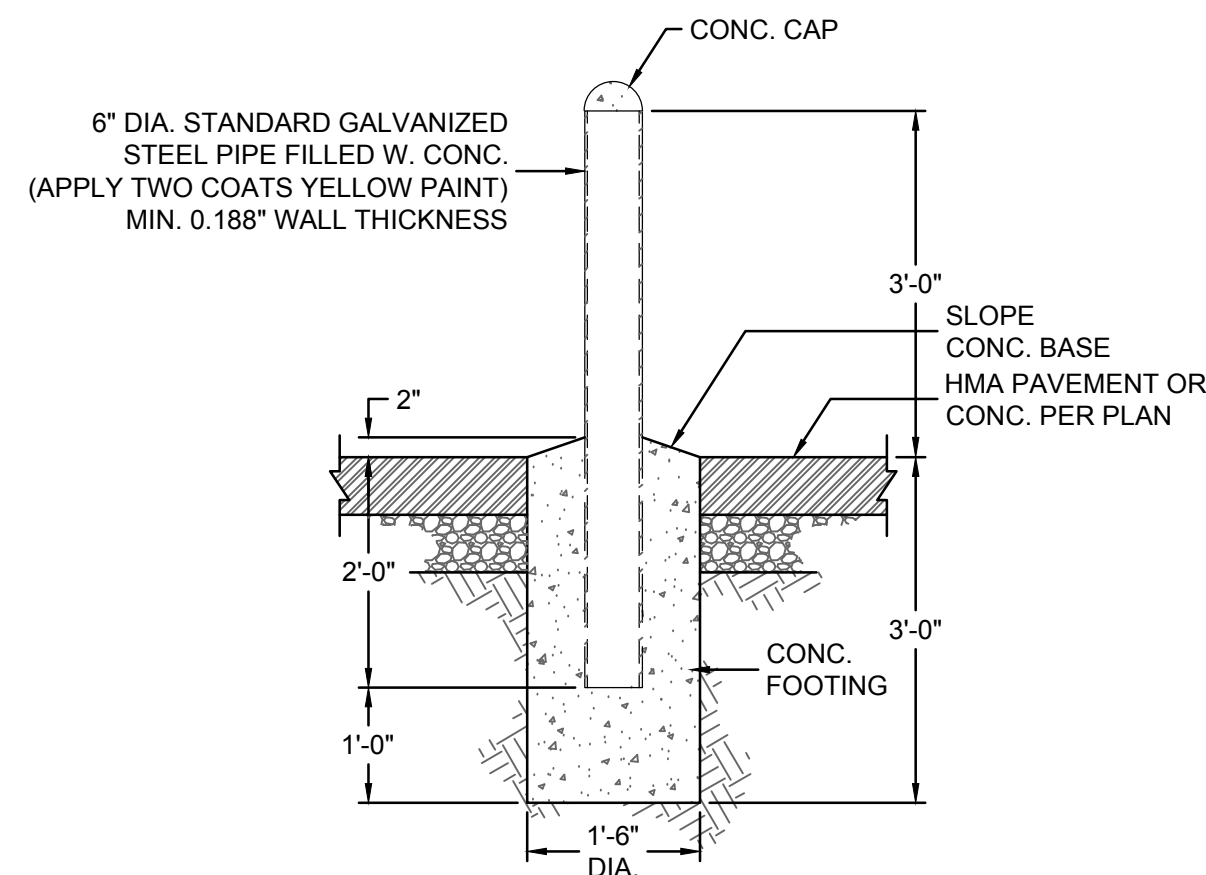
1/5/2021 DATE
 WAYNE J. INGRAM
 PROFESSIONAL ENGINEER
 N.J. P.E. NO. 24GB04258200

PROJECT:
 PULEO INTERNATIONAL, LLC
 13 MOEBUS PLACE
 BLOCK 18 LOT 5
 TOWN OF CLINTON

HUNTERDON COUNTY NEW JERSEY

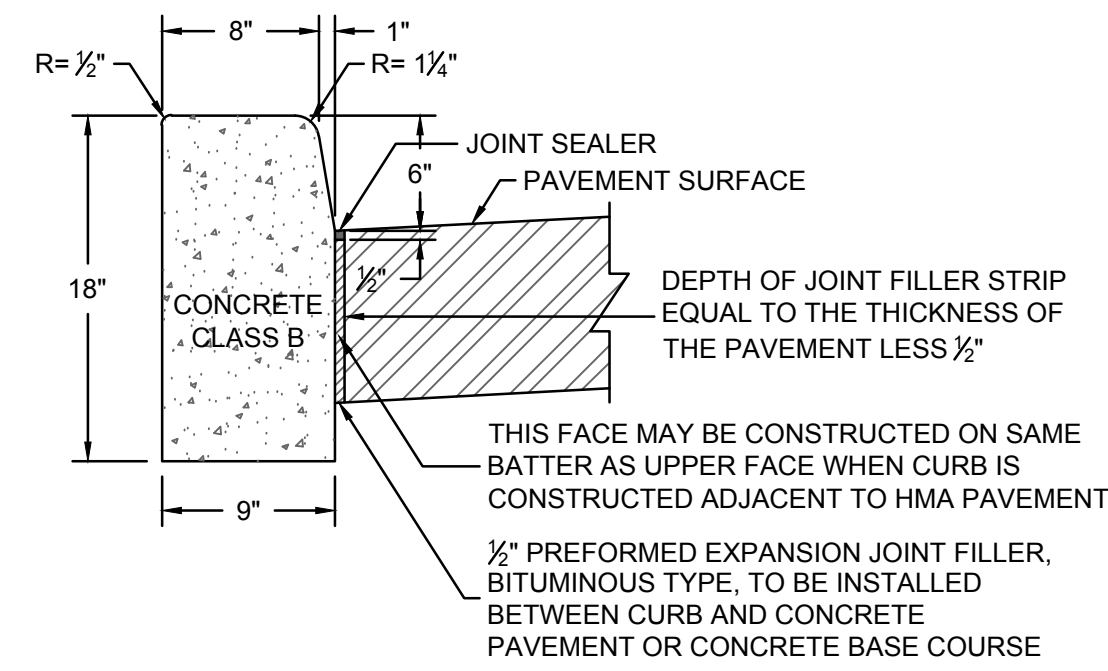
SOIL EROSION AND SEDIMENT CONTROL DETAILS

JOB NO.:	0120176	DRAWING NO.:	17
SCALE:	AS SHOWN		21
DESIGNED:	EAJ		
CHECKED:	KFO		
FILENAME:	SESC DETAILS.DWG		
DATE:	10 / 19 / 2020		



1 PIPE BOLLARD DETAIL

NTS

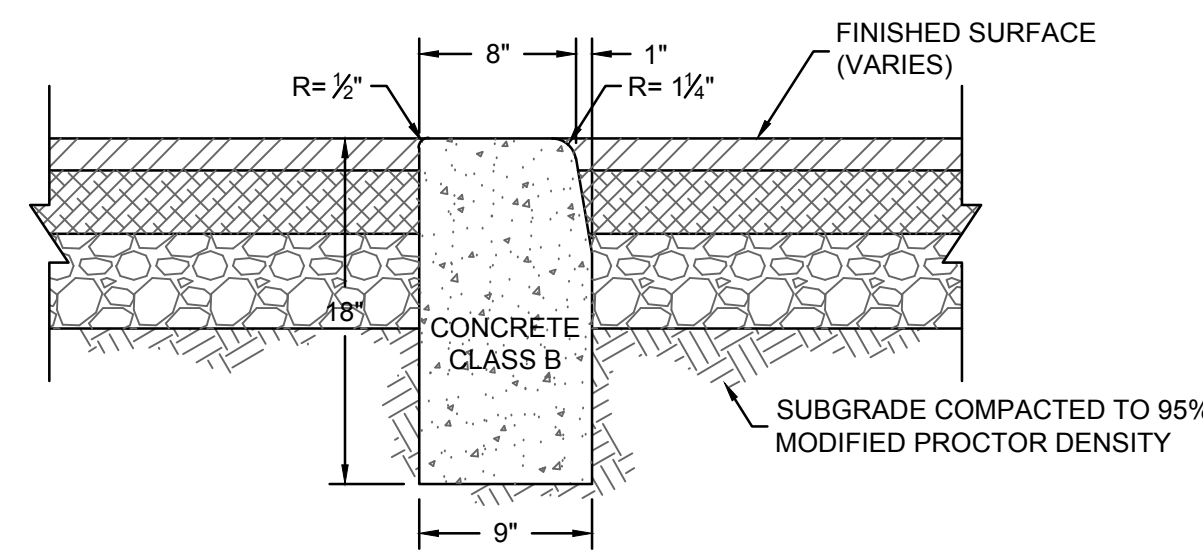


NOTES:

1. 1/2" THICK TRANSVERSE JOINTS SHALL BE INSTALLED 20'-0" APART ALONG CURB AND SHALL BE FILLED WITH PREFORMED BITUMINOUS-IMPREGNATED FIBER JOINT FILLER, COMPLYING WITH THE REQUIREMENTS OF ASTM D1751-83. THE TRANSVERSE EXPANSION JOINT MATERIAL IS NOT TO EXTEND THROUGH THE CURB AND BE RECESSED 1/4" FROM FRONT FACE AND TOP.
2. CONTRACTION JOINTS SHALL BE PROVIDED EVERY 10'-0".
3. CURB TO BE SEALED AT THE TIME OF INSTALLATION.

2 CONCRETE CURB DETAIL

NTS

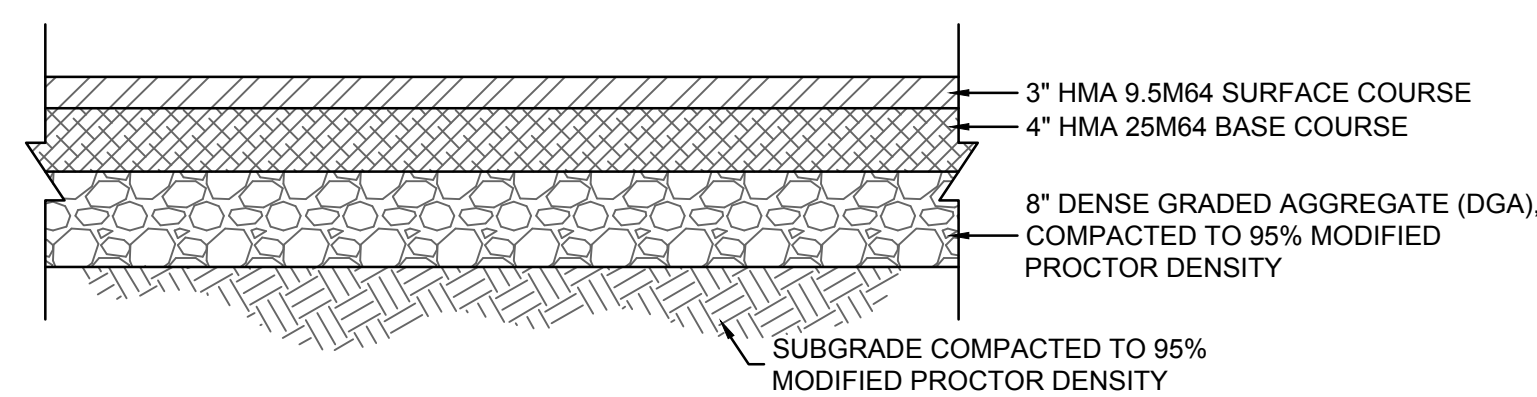


NOTES:

1. WHEN NEW CONCRETE VERTICAL CURB (OR CONCRETE VERTICAL CURB AND GUTTER) IS CONSTRUCTED ALONG AN EXISTING PAVED AREA, THE EXISTING PAVEMENT SHALL BE SAWCUT IN A STRAIGHT LINE.
2. 1/2" THICK TRANSVERSE JOINTS SHALL BE INSTALLED 20'-0" APART ALONG CURB AND SHALL BE FILLED WITH PREFORMED BITUMINOUS-IMPREGNATED FIBER JOINT FILLER, COMPLYING WITH THE REQUIREMENTS OF ASTM D1751-83. THE TRANSVERSE EXPANSION JOINT MATERIAL IS NOT TO EXTEND THROUGH THE CURB AND BE RECESSED 1/4" FROM FRONT FACE AND TOP.
3. CURB TO BE SEALED AT THE TIME OF INSTALLATION.

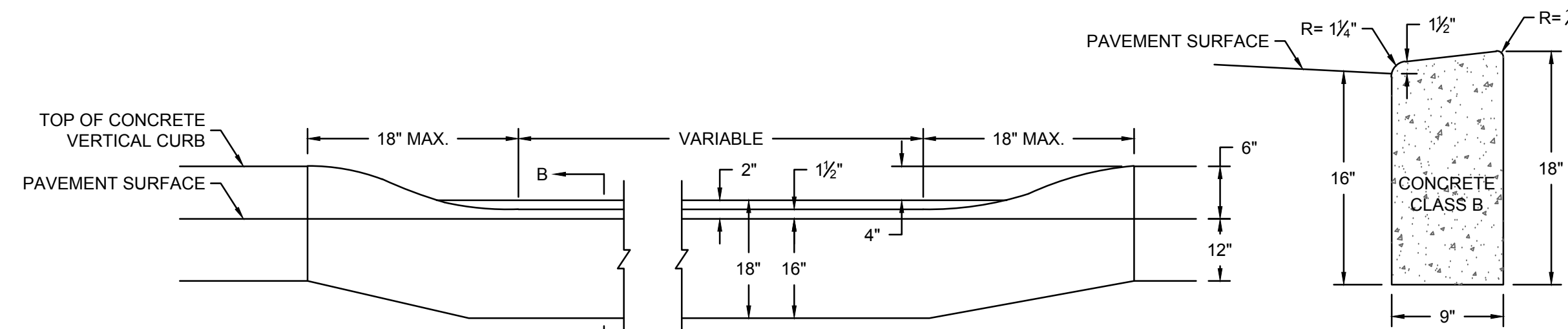
3 FLUSH CURB DETAIL

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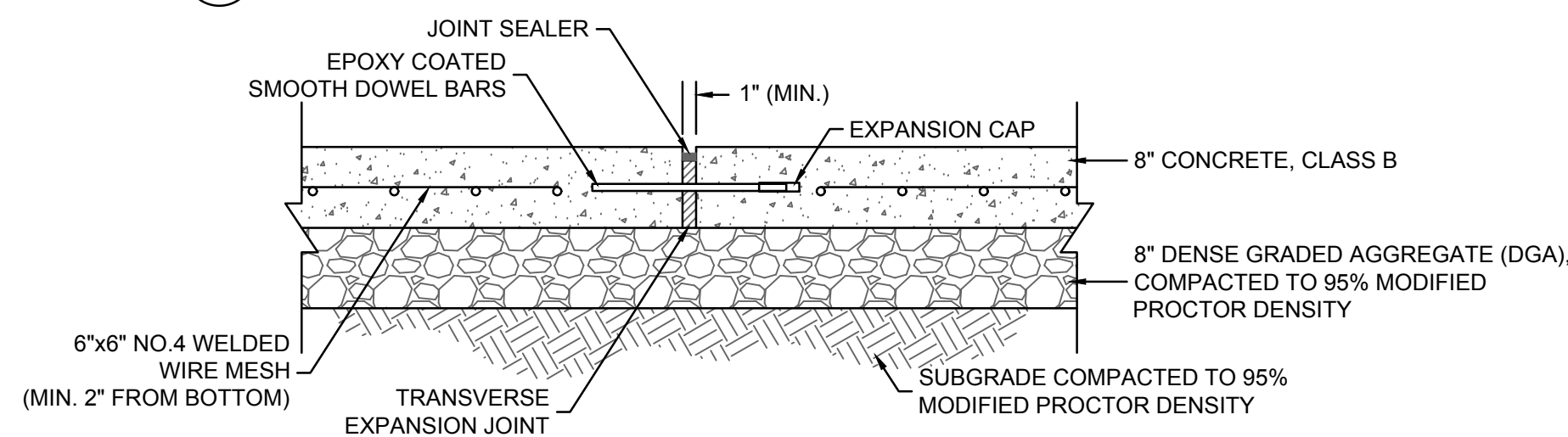
5 HEAVY DUTY ASPHALT PAVEMENT SECTION

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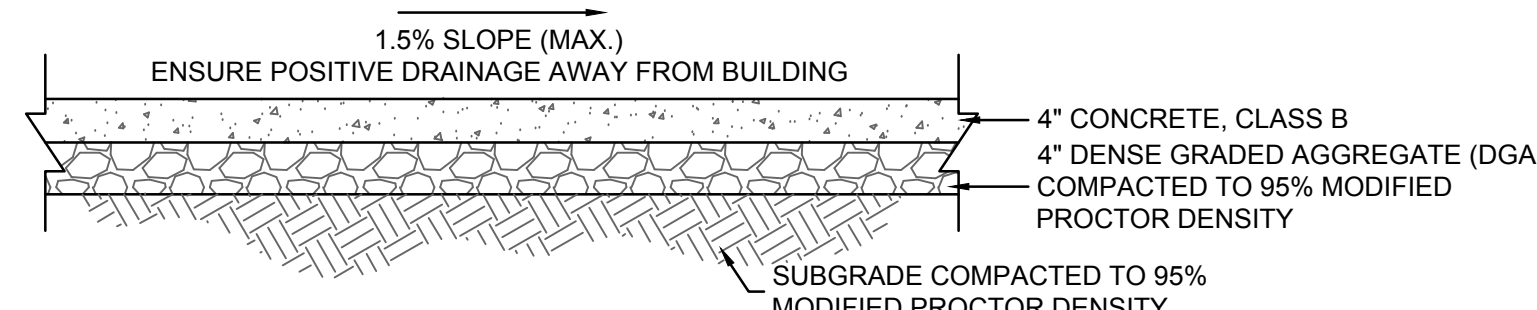
8 METHOD OF DEPRESSING CONCRETE VERTICAL CURB

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6 HEAVY DUTY REINFORCED CONCRETE SECTION

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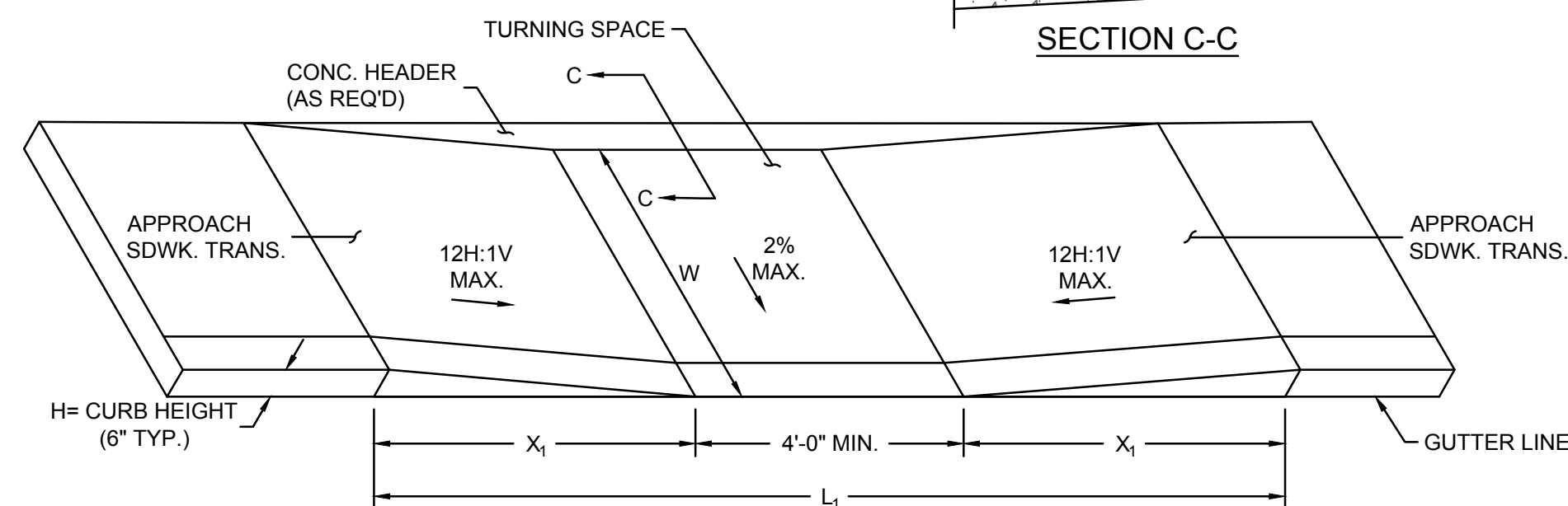


NOTES:

1. PLACE CONSTRUCTION JOINTS 4'-0" ON CENTER. 1/2" THICK TRANSVERSE JOINTS INSTALLED 20'-0" APART AND FILLED WITH PREFORMED BITUMINOUS-IMPREGNATED FIBER JOINT FILLER, COMPLYING WITH THE REQUIREMENTS OF ASTM D1751-83. THE TRANSVERSE EXPANSION JOINT MATERIAL SHALL BE RECESSED 1/4" FROM TOP. CONCRETE SHALL BE FINISHED WITH 1/2" RADIUS TOOLED EDGES.
2. ALL SIDEWALK CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH THE TOWN OF CLINTON STANDARDS.
3. SIDEWALK TO BE SEALED AT THE TIME OF INSTALLATION.

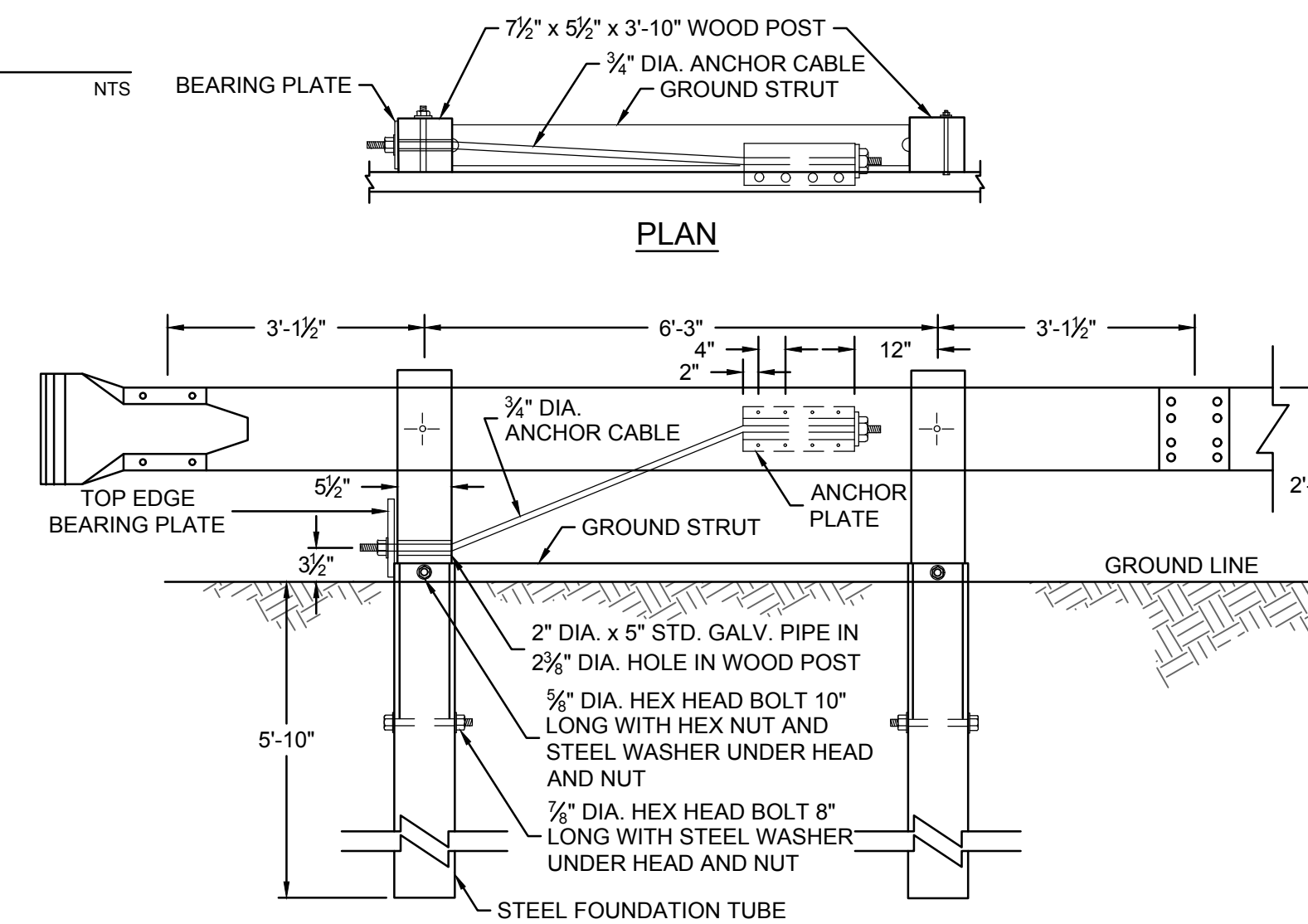
7 SIDEWALK SECTION

NTS



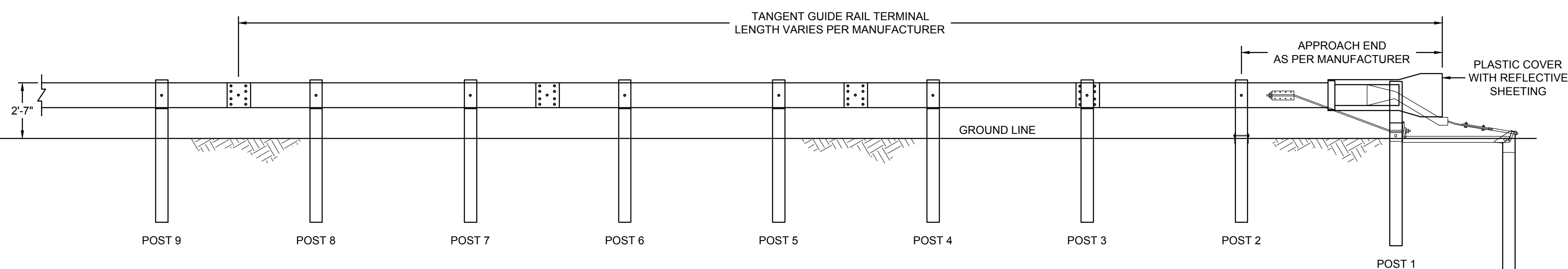
9 CURB RAMP TYPE 7

NTS



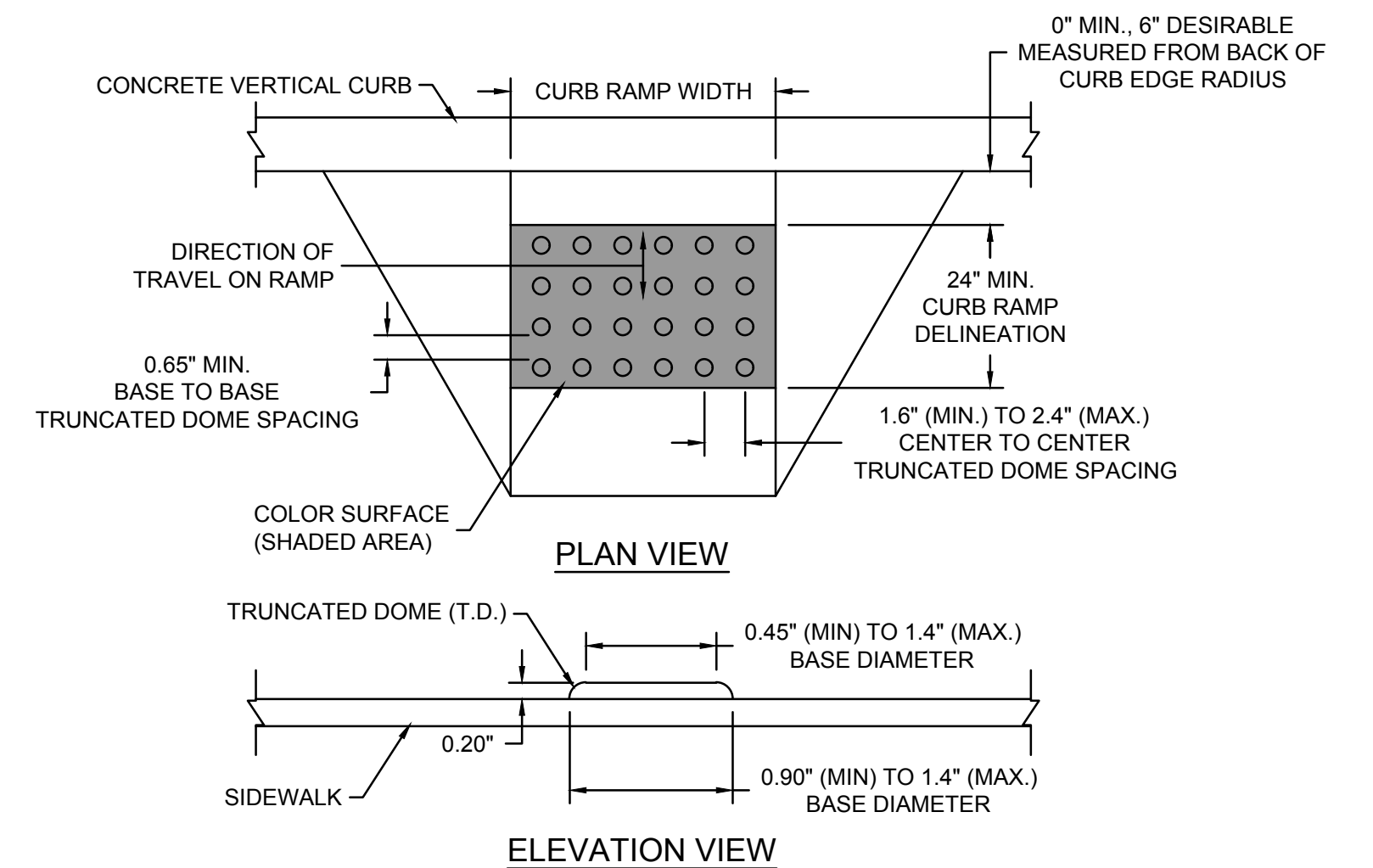
10 BEAM GUIDE RAIL ANCHORAGE

NTS



11 TANGENT GUIDE RAIL TERMINAL

NTS



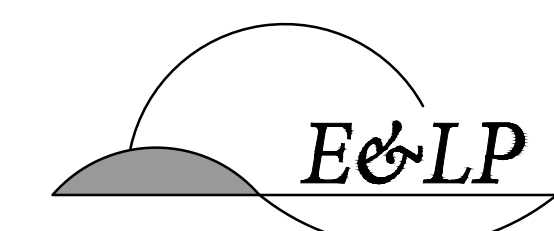
NOTES:

1. KEEP TURNING SPACE, APPROACH SIDEWALK TRANSITIONS, AND CURB RAMP CLEAR OF OBSTRUCTIONS THAT PROTRUDE ABOVE THE SURFACE.
2. CONSTRUCT CURB RAMP(S) PERPENDICULAR TO CURBLINE, AS SHOWN.
3. CURB (DROPPED CURB) GUTTERLINE TO BE FLUSH WITH ROADWAY PAVEMENT FOR THE ENTIRE WIDTH OF THE RAMP (4'-0" MIN.) AT ALL CURB RAMP(S).
4. WHEN A CURB RAMP IS REQUIRED, THE LOCATION OF THE DETECTABLE WARNING SURFACE (DWS) MUST BE AT THE BOTTOM OF THE RAMP.
5. WHERE THE DISTANCE FROM THE GUTTER LINE TO THE OUTSIDE EDGE OF SIDEWALK IS 6'-0" OR LESS, USE CURB RAMP TYPE 7, INSTEAD OF CURB RAMP TYPE 1 THROUGH 4.

4 DETECTABLE WARNING SURFACE

NTS

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1	REV. PER TOWN COMMENTS	EM	1/5/21

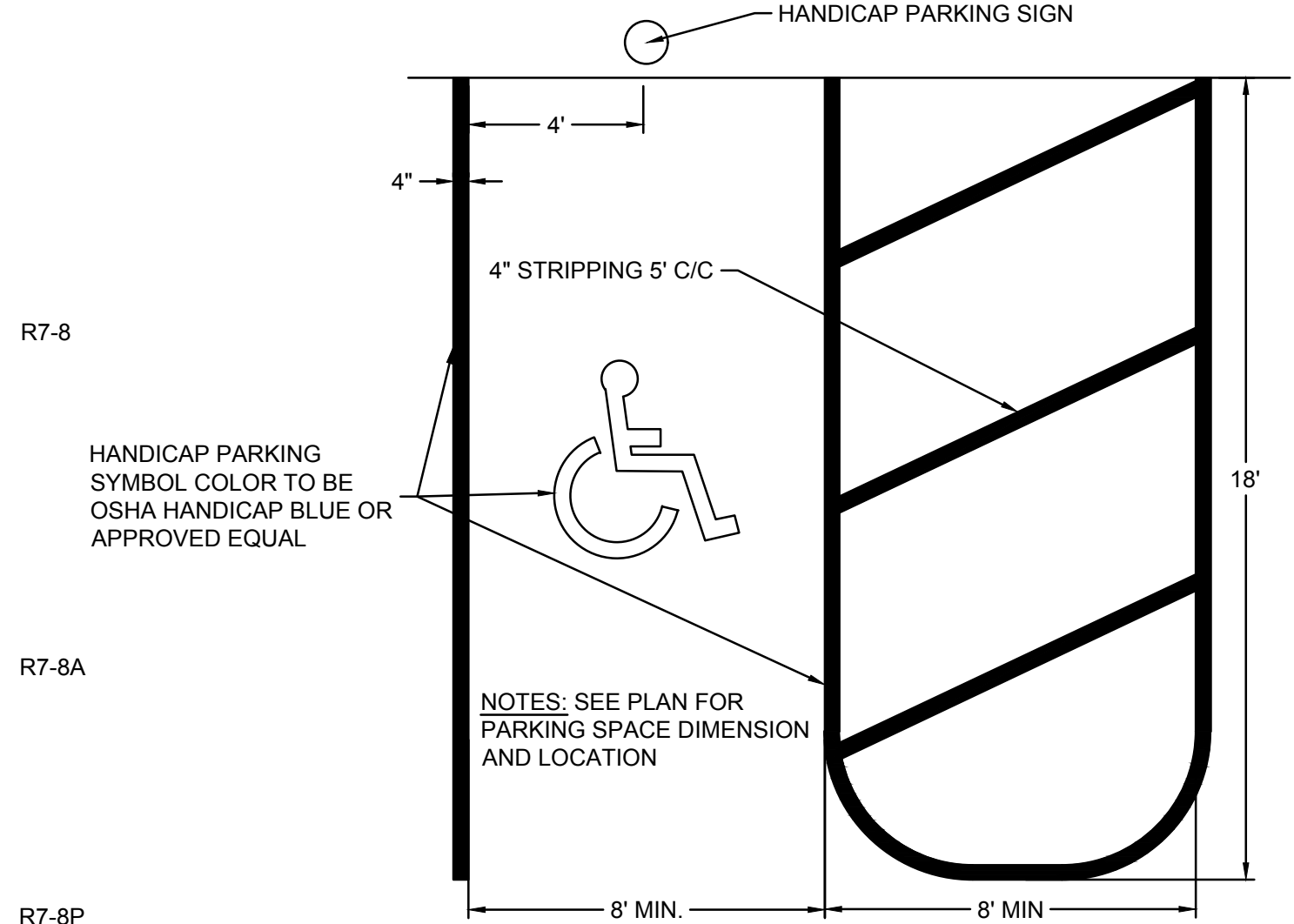
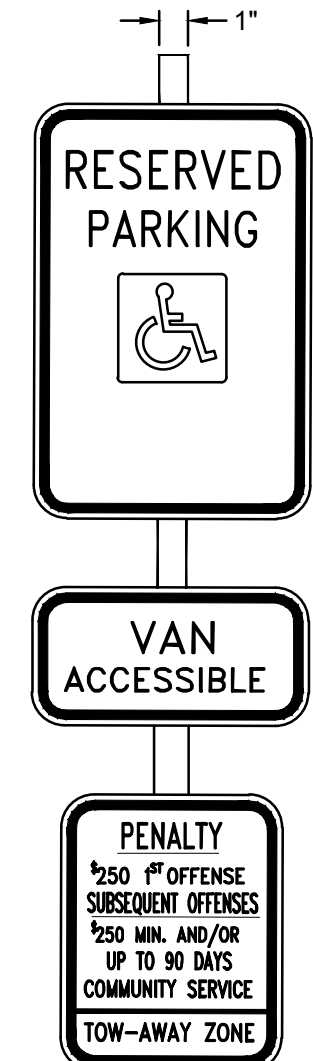
1/5/2021 DATE
 WAYNE J. INGRAM
 PROFESSIONAL ENGINEER
 N.J. P.E. NO. 24GB04258200

PROJECT:
 PULEO INTERNATIONAL, LLC
 13 MOEBUS PLACE
 BLOCK 18 LOT 5
 TOWN OF CLINTON

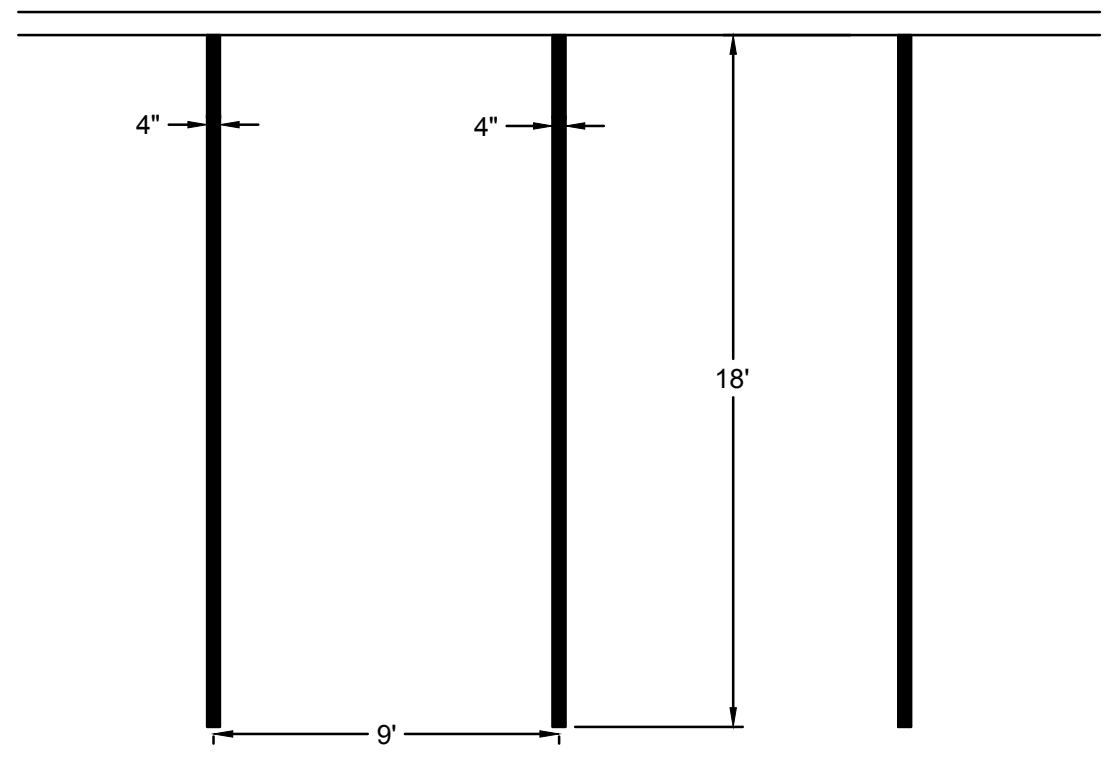
HUNTERDON COUNTY NEW JERSEY
 TITLE:

DETAILS

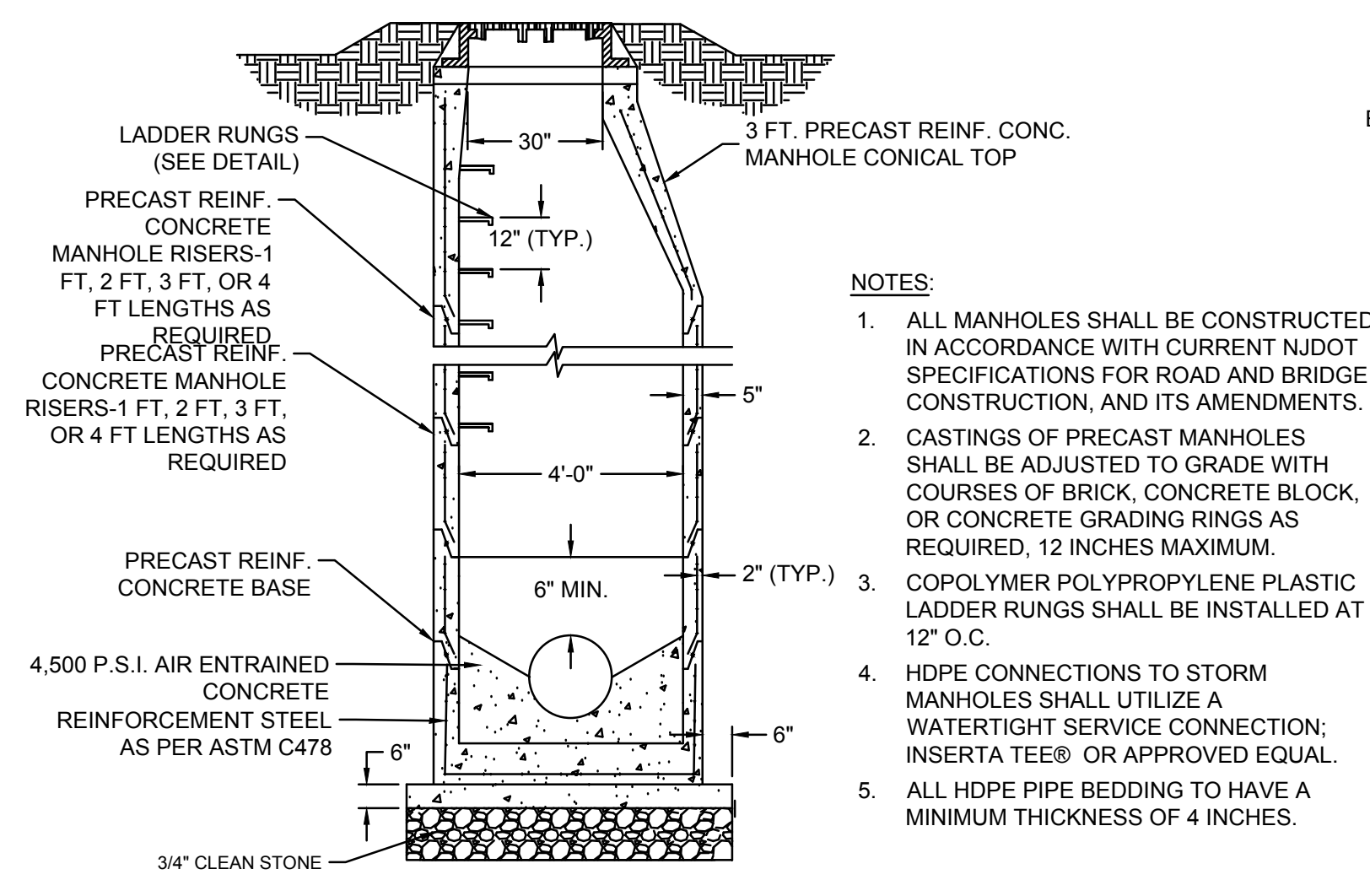
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SCALE:	AS SHOWN		21
DESIGNED:	EAJ		
CHECKED:	KFO		
FILENAME:	DETAILS.DWG		
DATE:	10 / 19 / 2020		



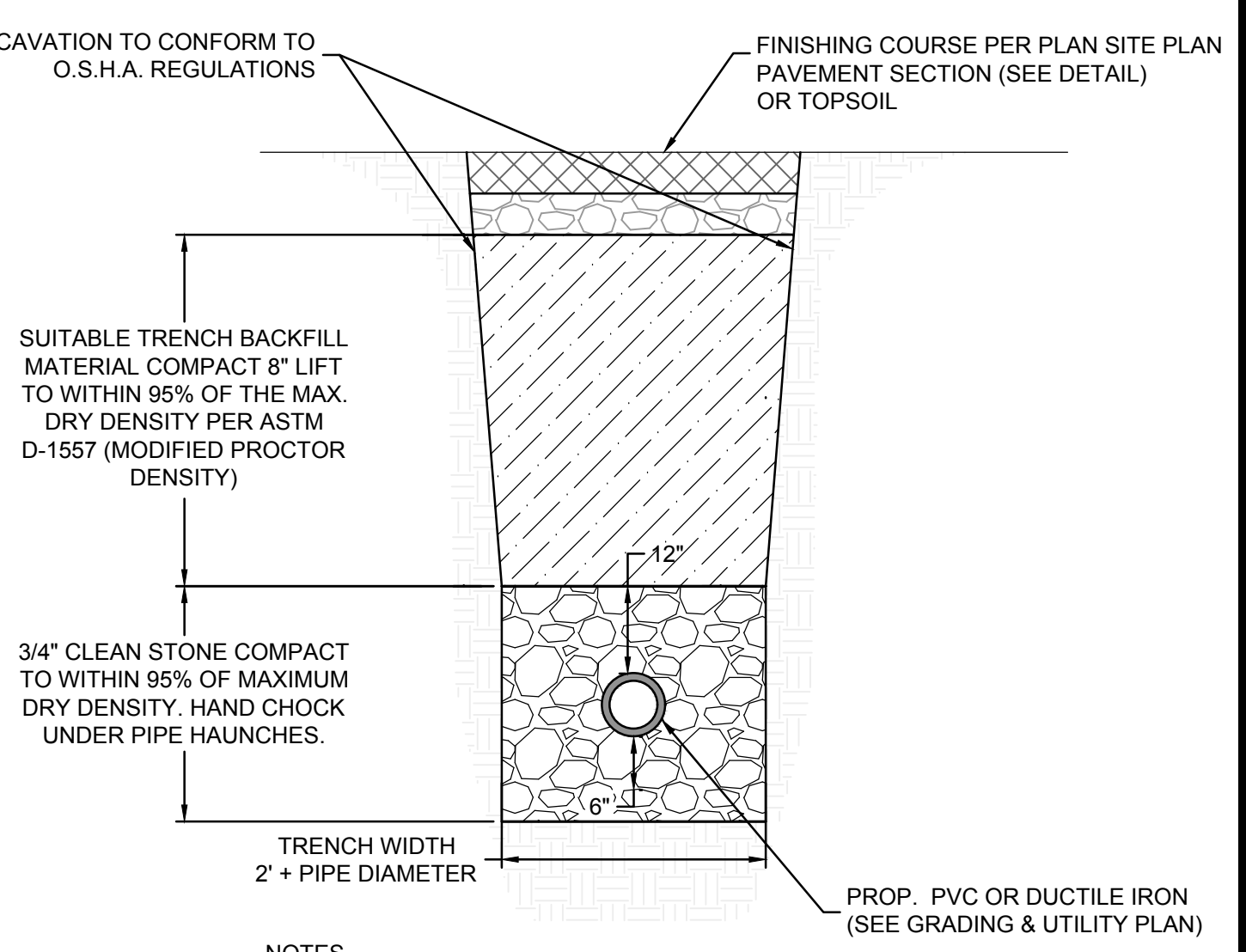
1 HANDICAP PARKING STALL DETAIL



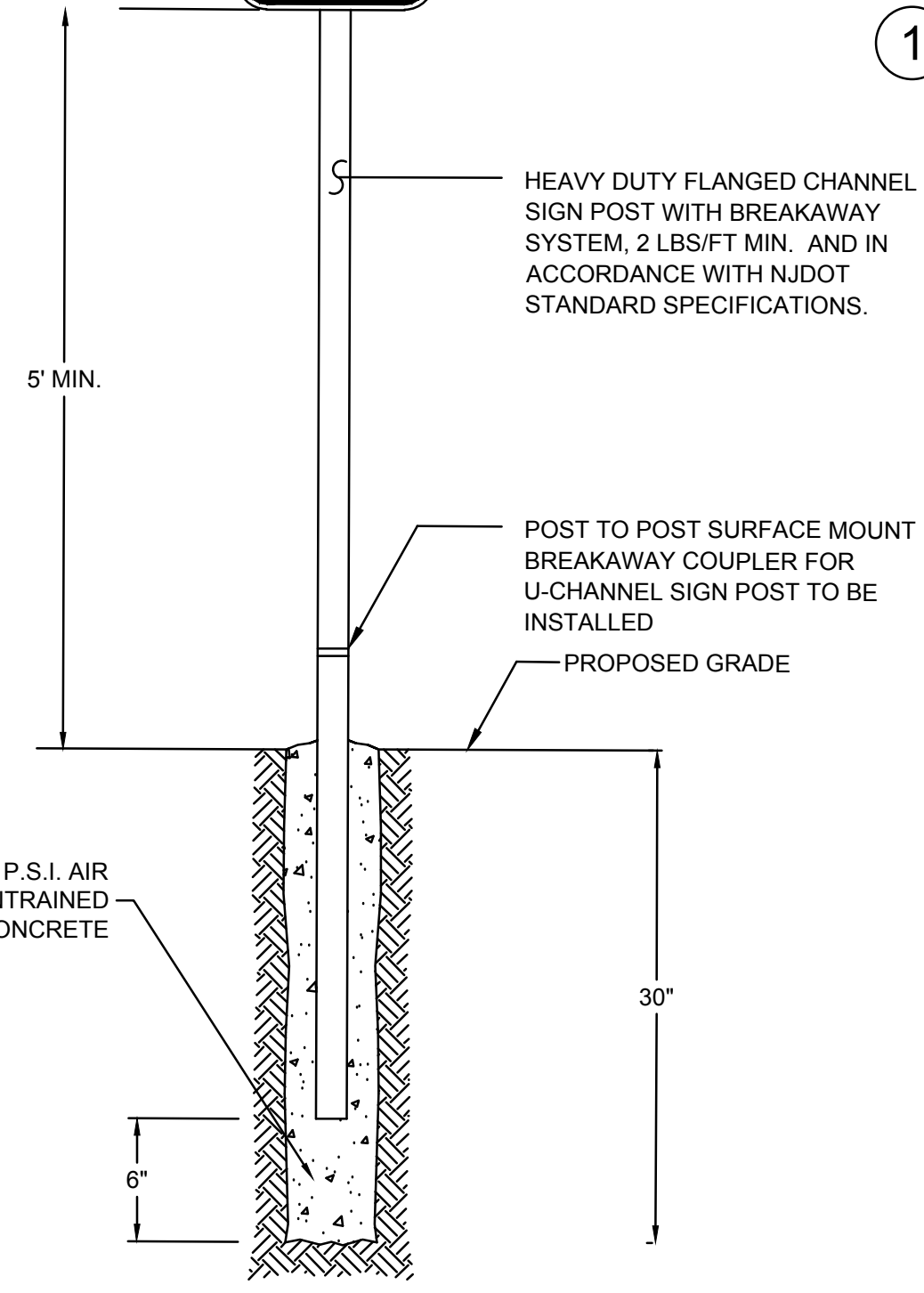
2 PARKING STALL DETAIL



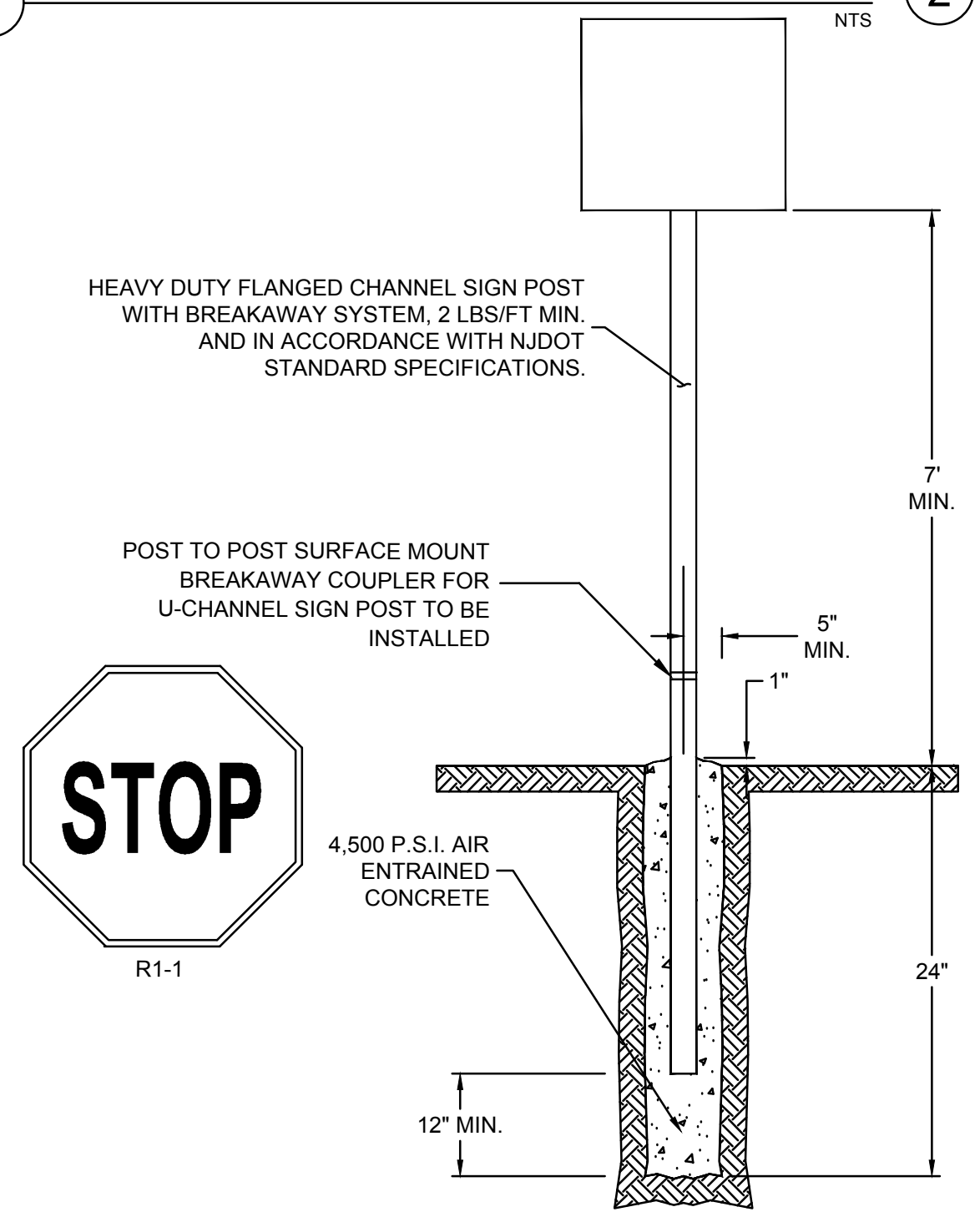
3 STANDARD STORM SEWER PRECAST MANHOLE



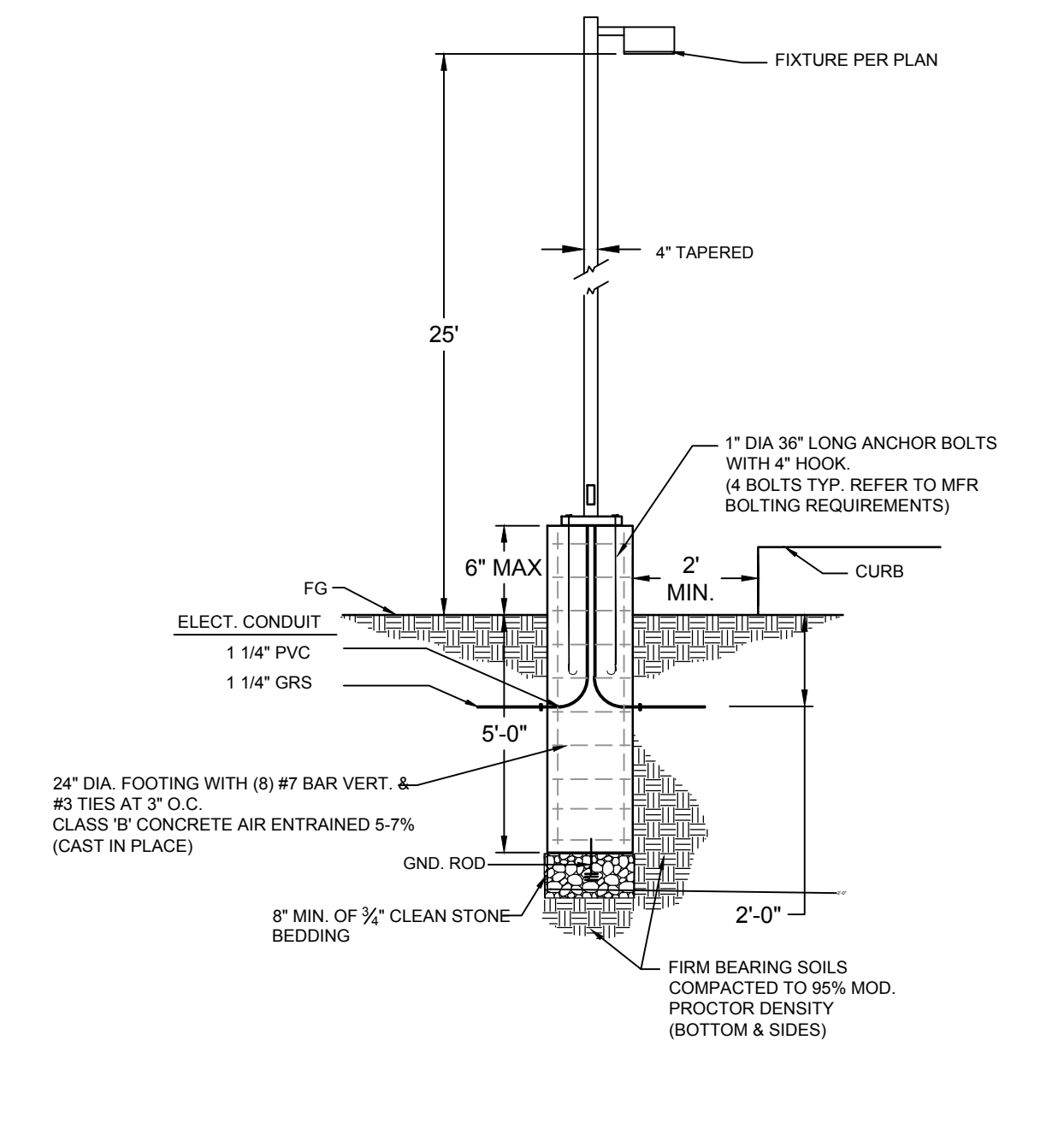
4 UTILITY TRENCH DETAIL



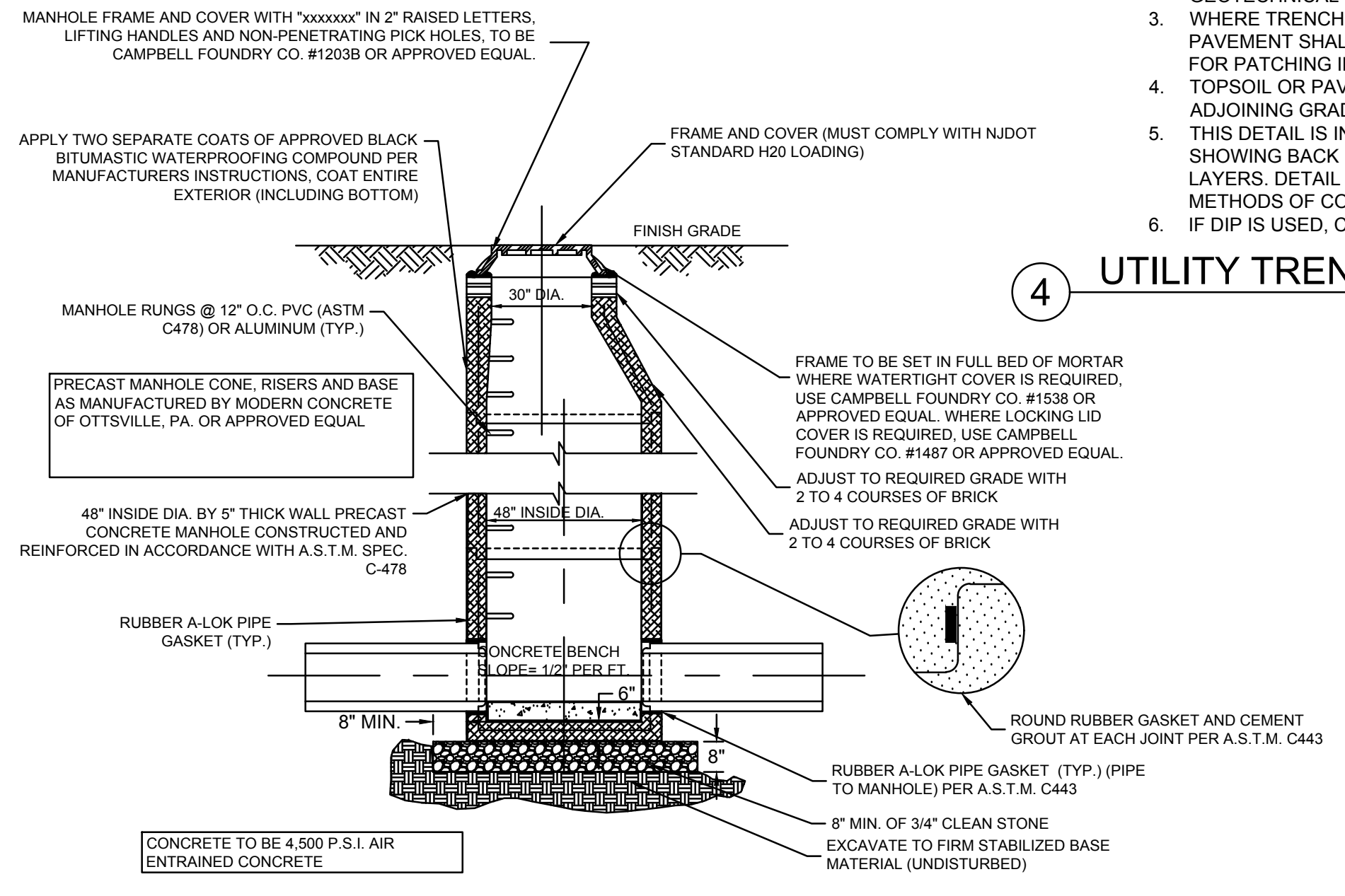
5 HANDICAP SIGN DETAIL



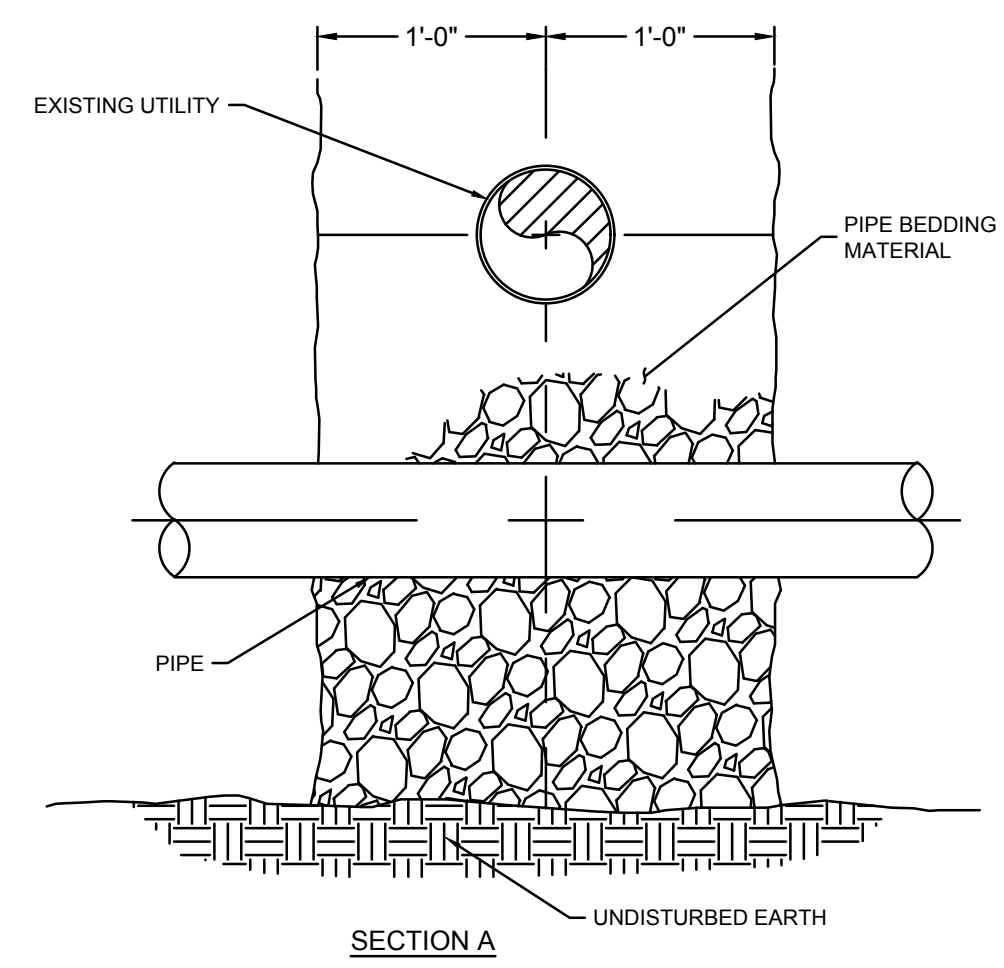
6 SIGN DETAIL



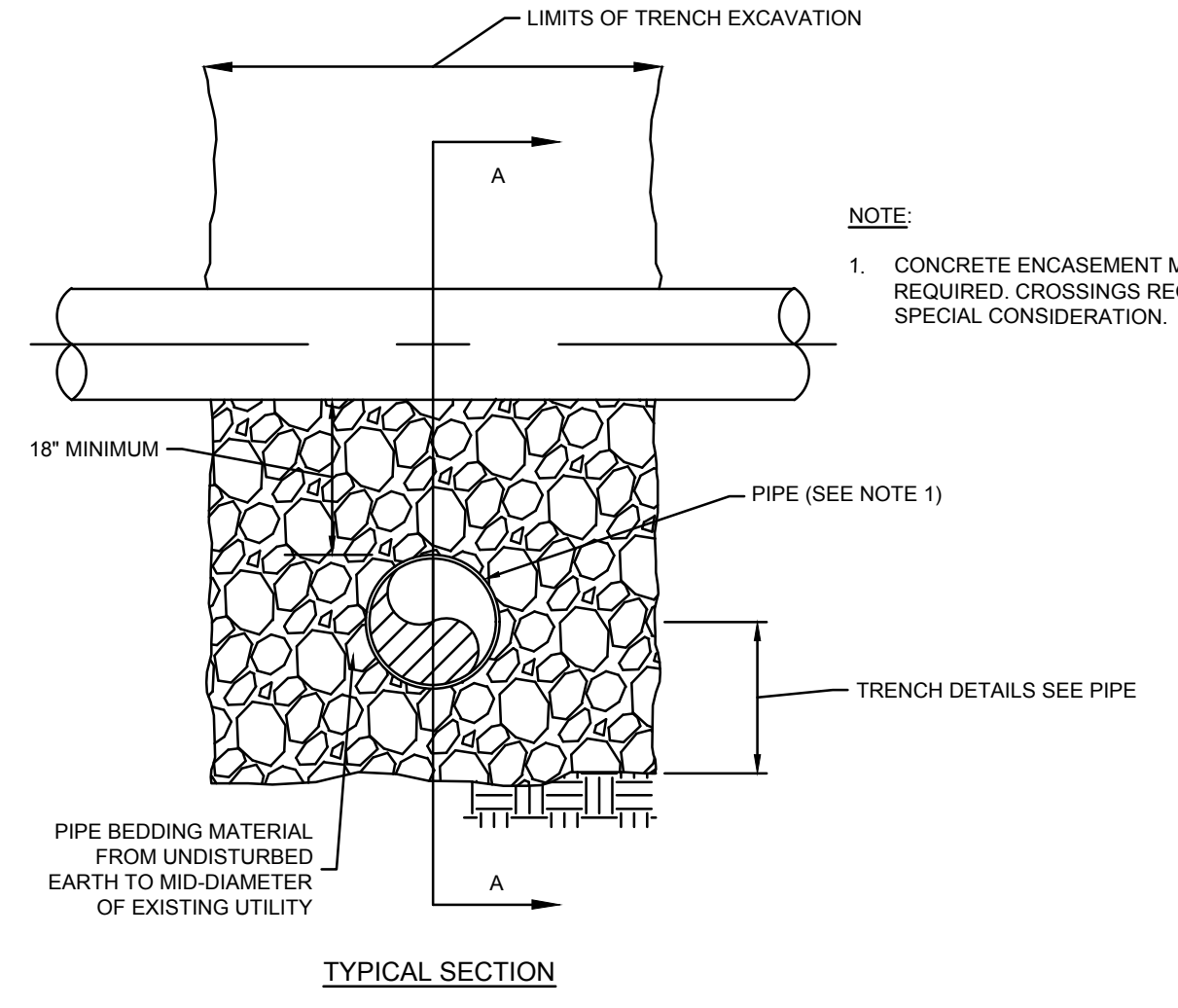
7 LIGHT POLE DETAIL



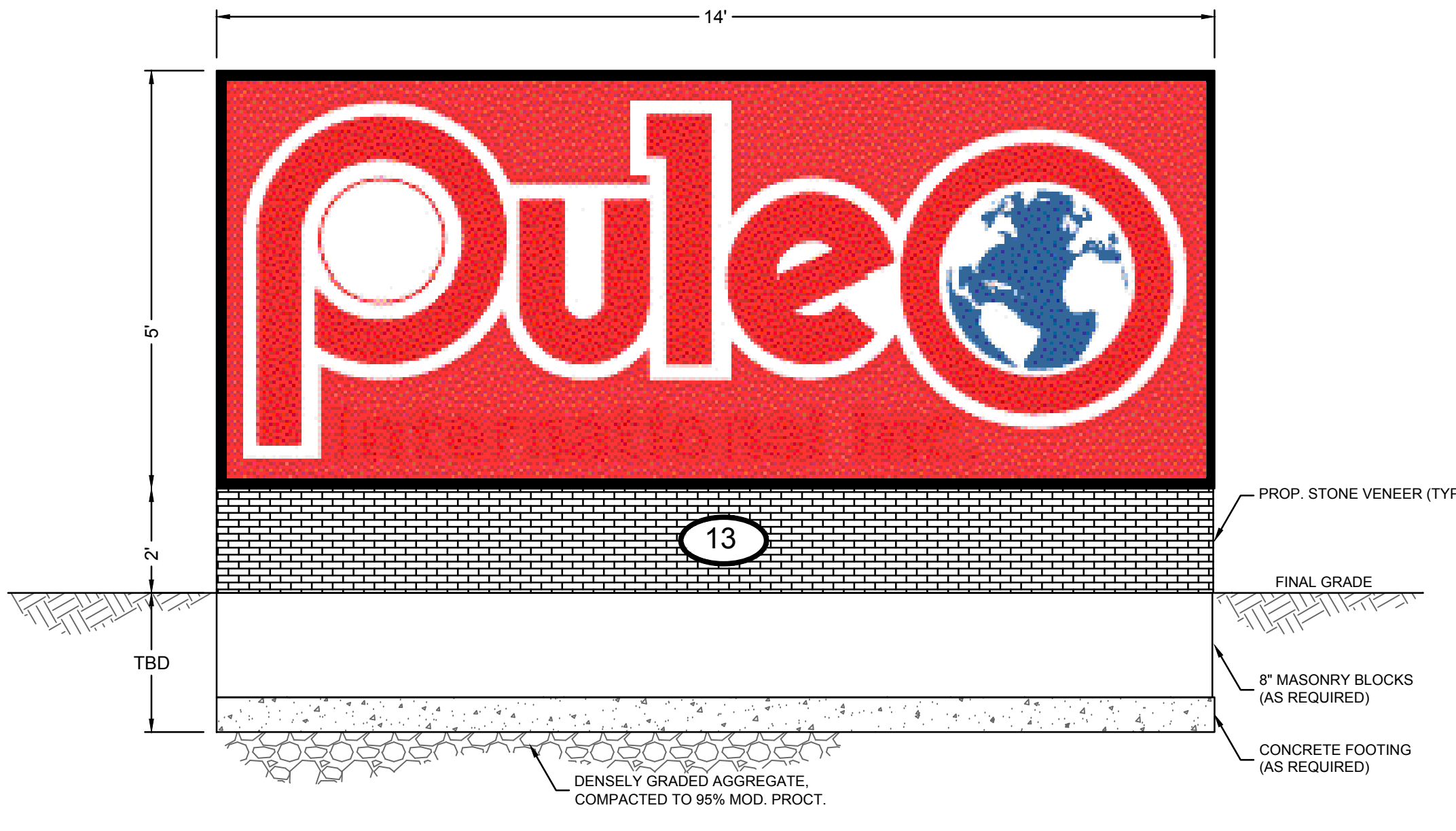
8 PRECAST SANITARY CONCRETE MANHOLE



9 UTILITY/PIPE CROSSING DETAIL

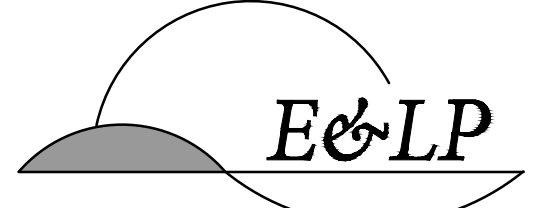


TYPICAL SECTION



10 MONUMENT SIGN DETAIL

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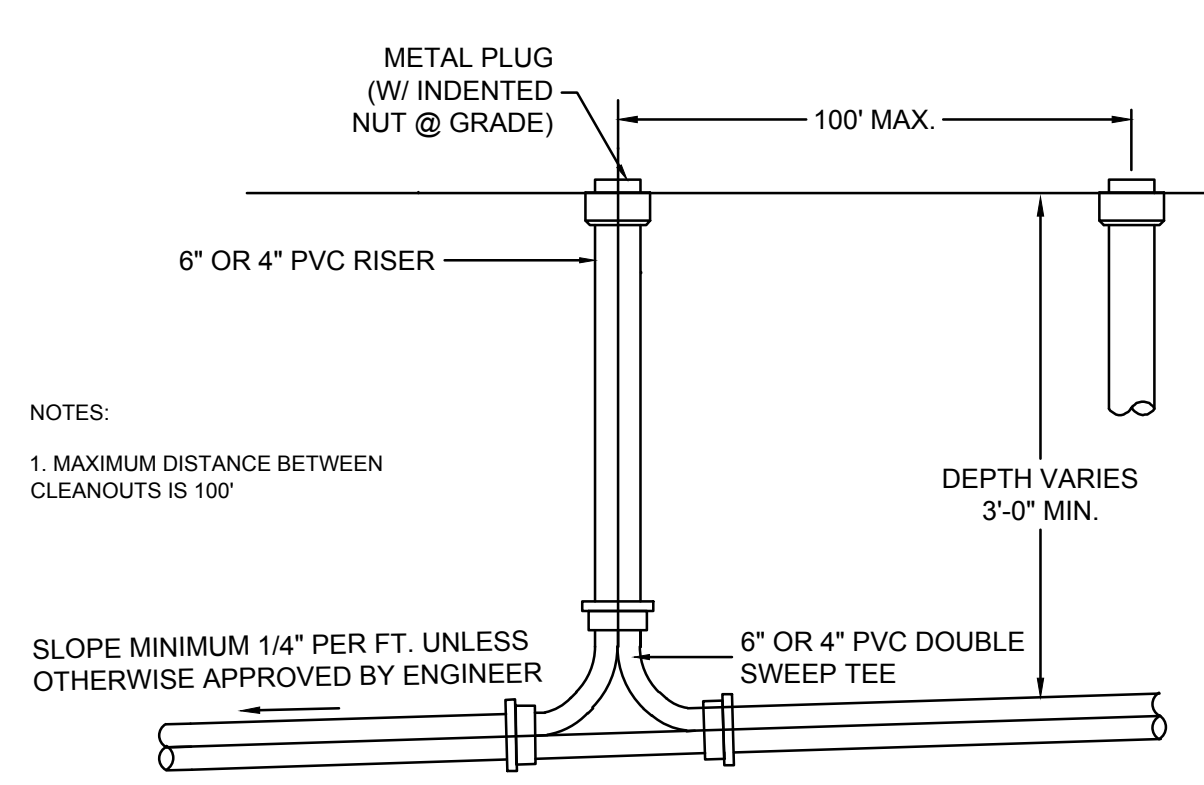
1/5/2021 DATE *WJH*
 WAYNE J. INGRAM
 PROFESSIONAL ENGINEER
 N.J. P.E. NO. 24GB04258200

PROJECT: PULEO INTERNATIONAL, LLC
 13 MOEBUS PLACE
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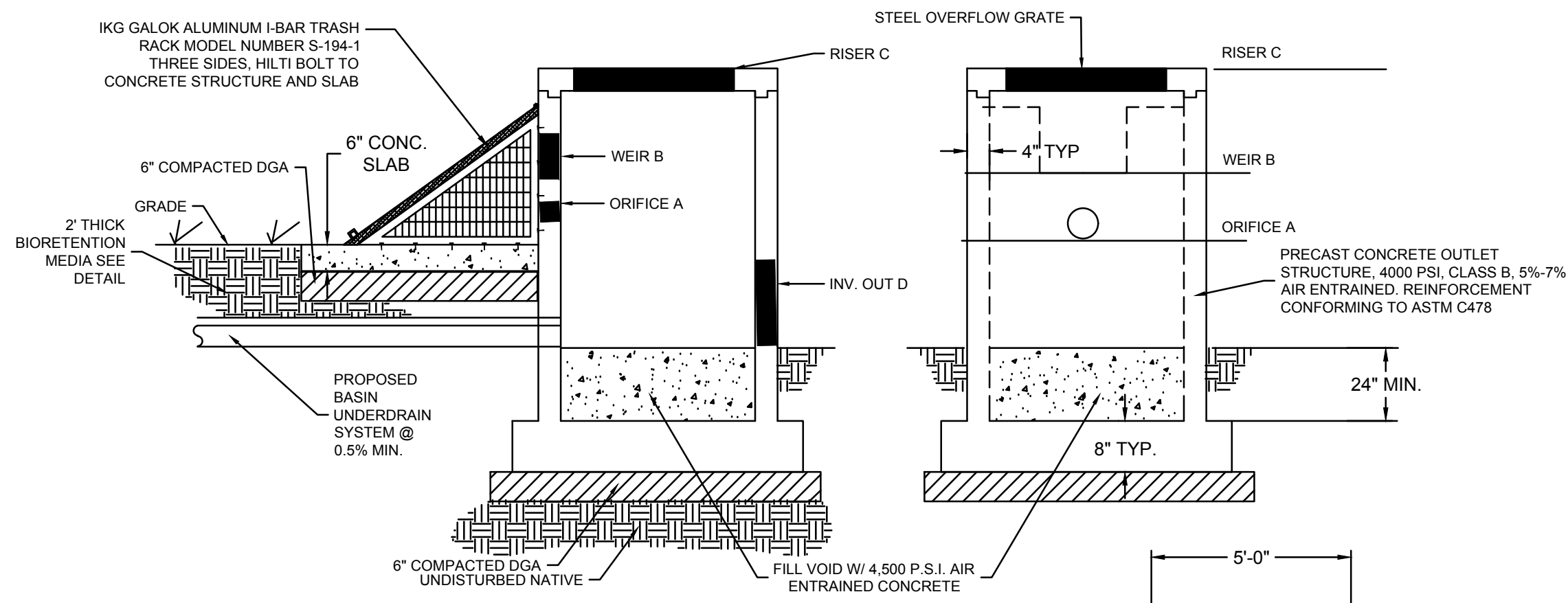
HUNTERDON COUNTY NEW JERSEY

TITLE: DETAILS

JOB NO.:	0120176	DRAWING NO.:	19 21
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DESIGNED:	EAJ		
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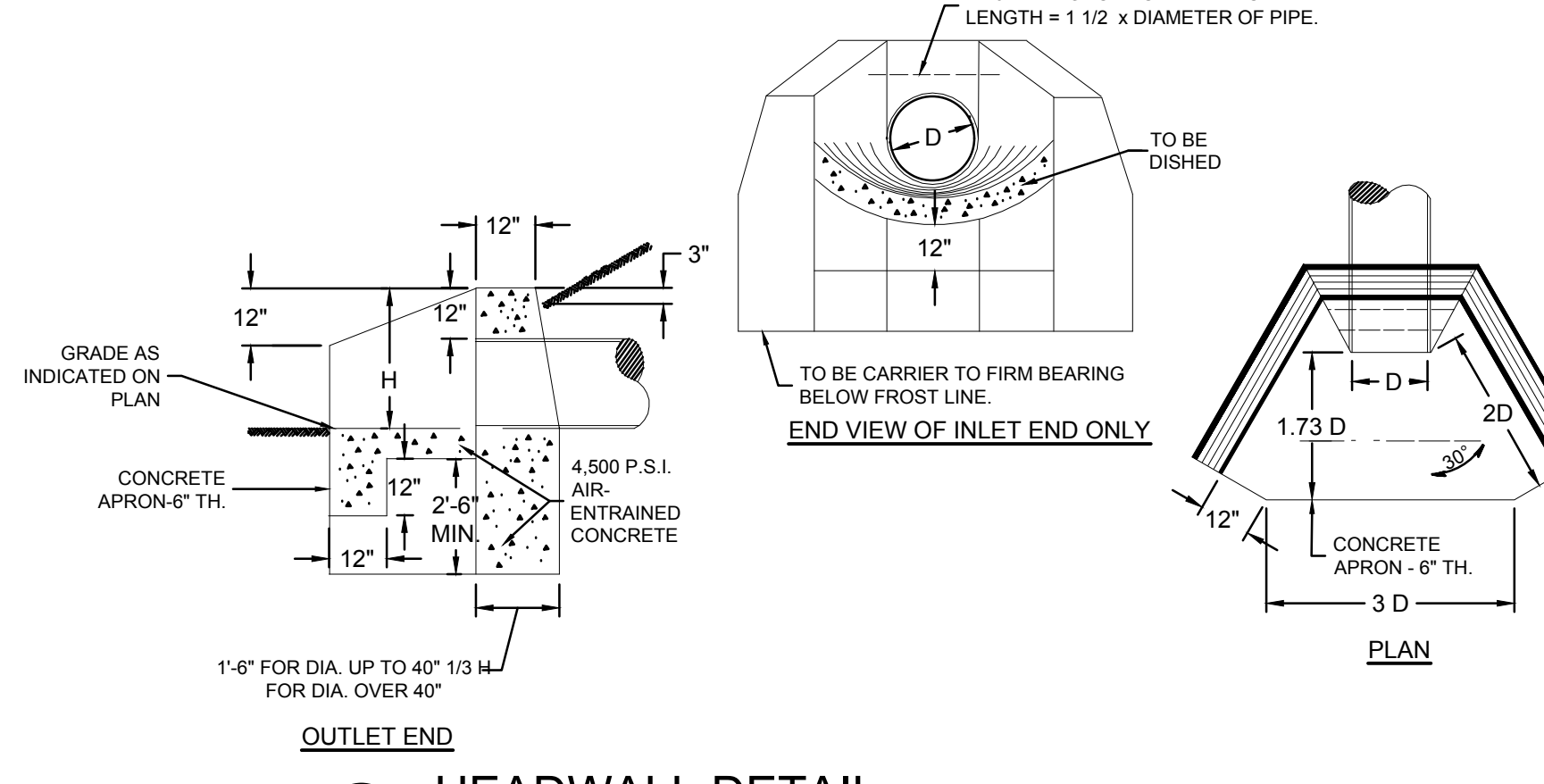


1 STANDARD CLEANOUT DETAIL

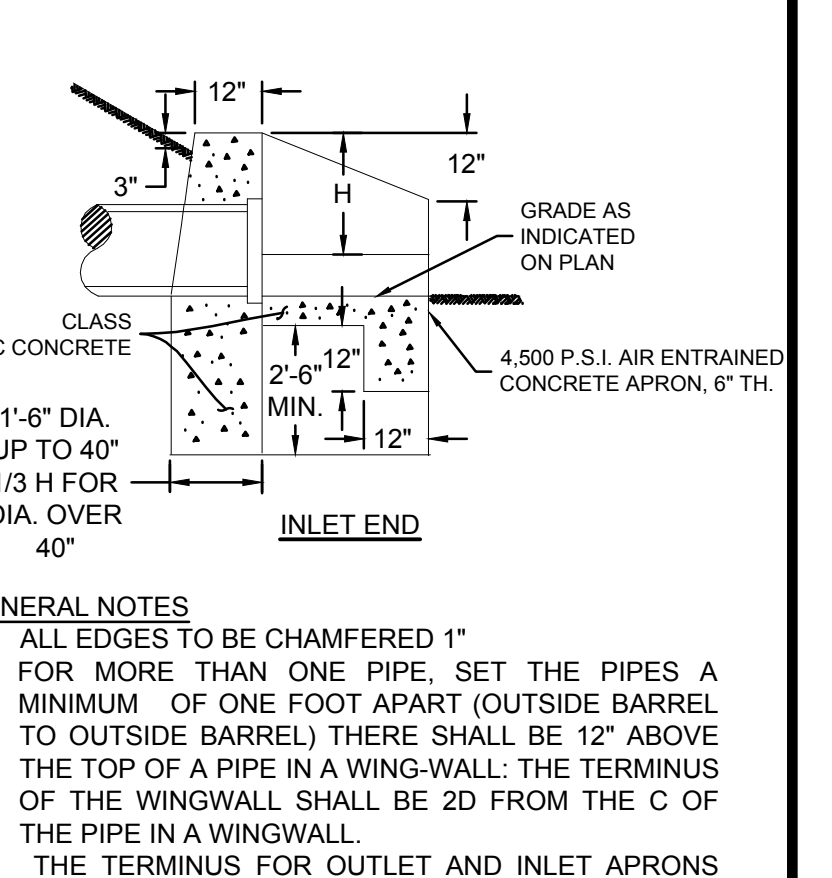


OUTLET CONTROL STRUCTURES					
OCS		A	B	C	D
OCS1	SIZE	4'	4'	20'	24'
OCS1	ELEVATION	236.90	239.25	240.25	234.00

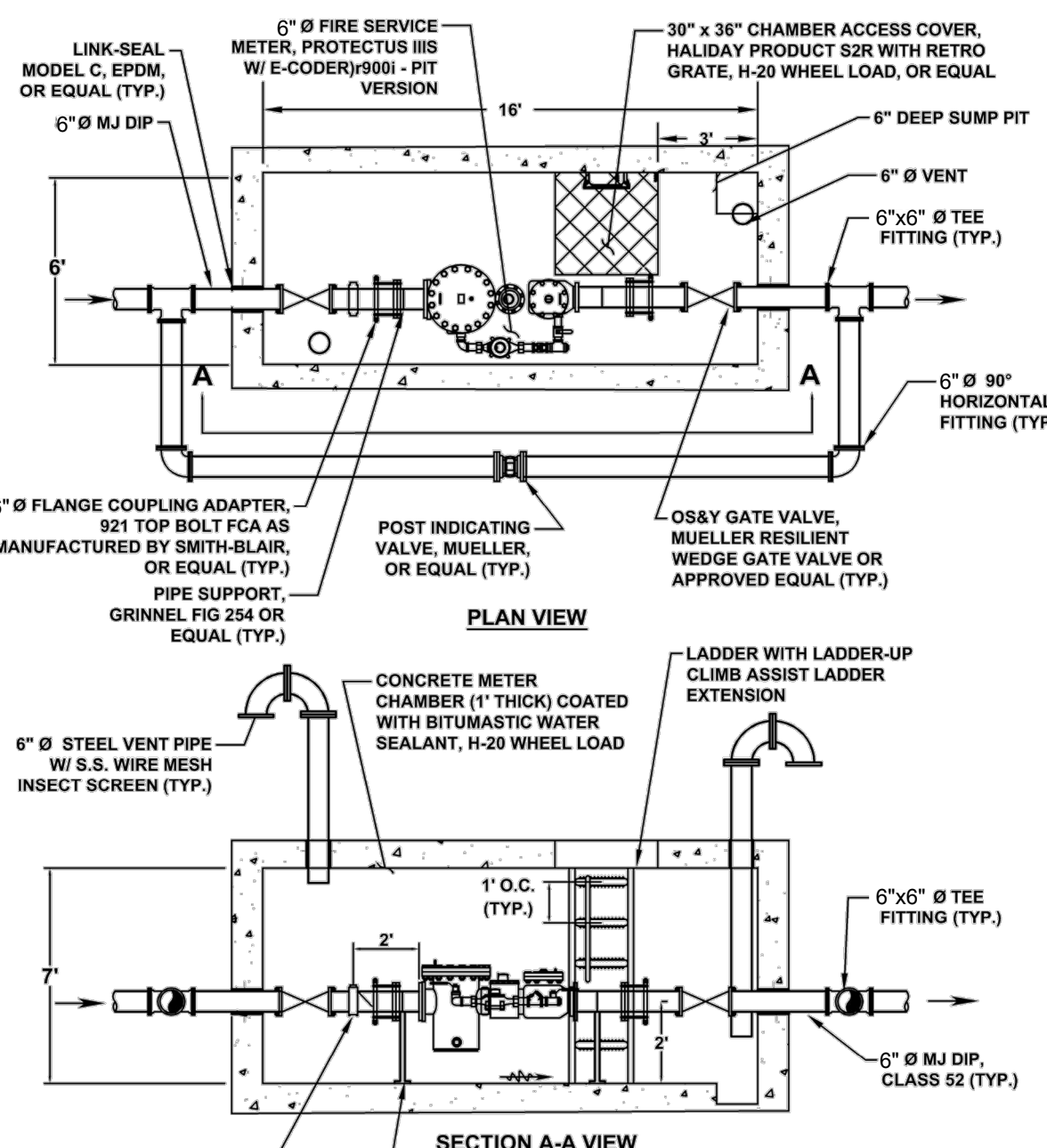
2 OUTLET STRUCTURE DETAIL



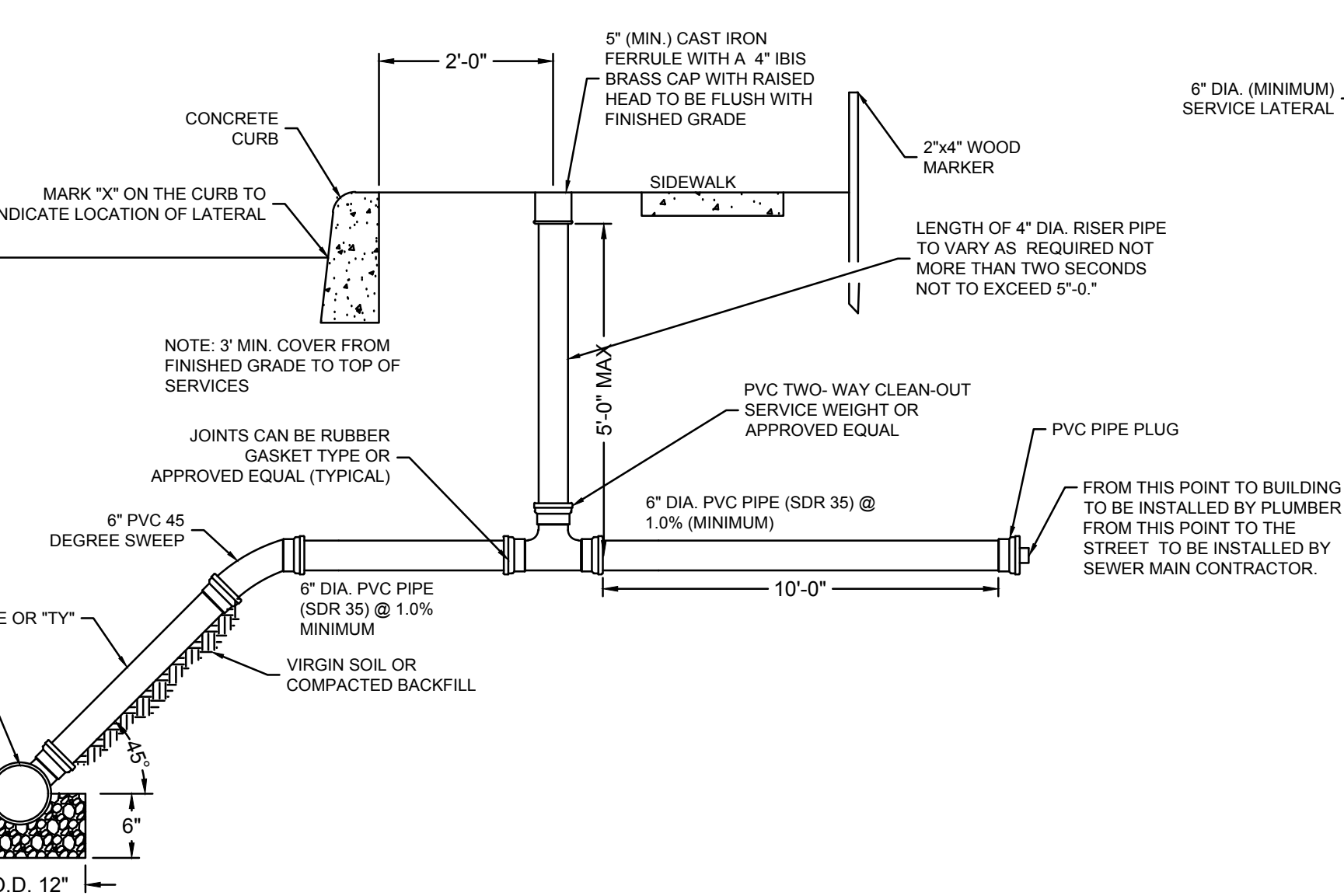
3 HEADWALL DETAIL



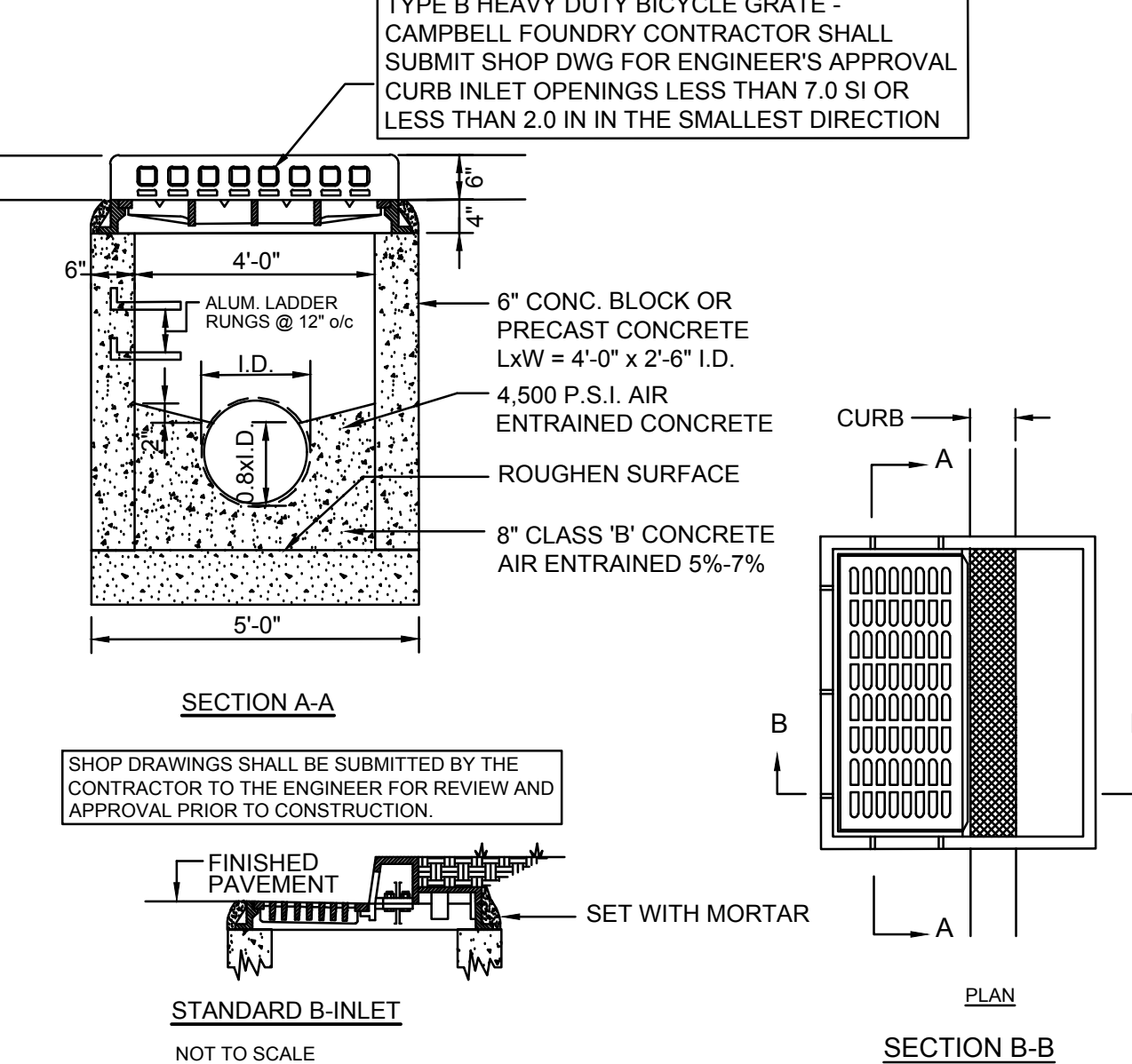
4 FIRE HYDRANT DETAIL



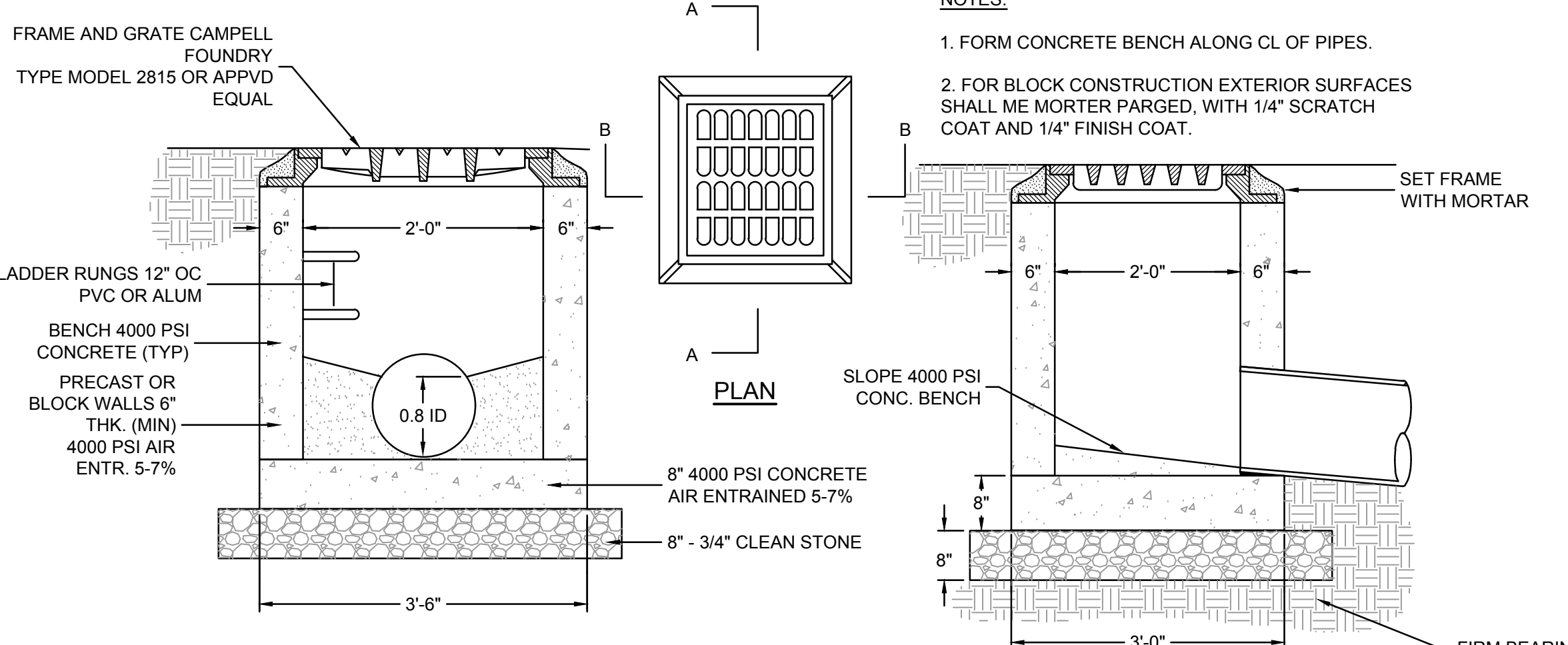
5 WATER METER CHAMBER WITH BYPASS DETAIL



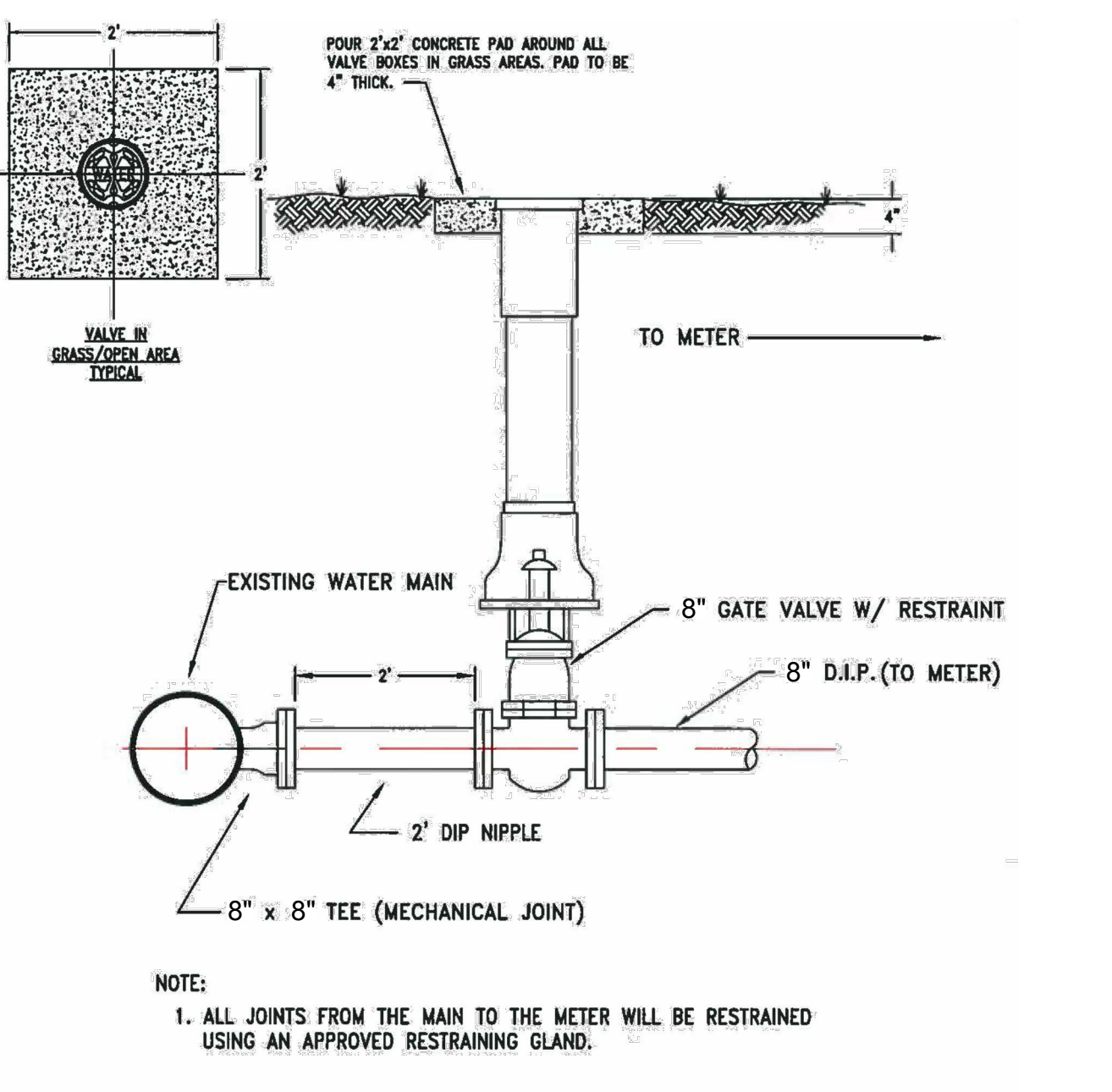
6 TYPICAL SEWER LATERAL DETAIL



7 TYPE B INLET DETAIL



8 PRECAST STANDARD A-INLET



9 6" D.I.P. WATER SERVICE CONNECTION DETAIL

- GENERAL NOTES**
- ALL EDGES TO BE CHAMFERED 1"
 - FOR MORE THAN ONE PIPE, SET THE PIPES A MINIMUM OF ONE FOOT APART (OUTSIDE BARREL TO OUTSIDE BARREL) THERE SHALL BE 12" ABOVE THE TOP OF A PIPE IN A WING-WALL. THE TERMINUS OF THE WINGWALL SHALL BE 2D FROM THE C OF THE PIPE IN A WINGWALL.
 - THE TERMINUS FOR OUTLET AND INLET APRONS SHALL BE SET BY EXTENDING THE PIPE GRADE AHEAD AND BACK, RESPECTIVELY.
 - FOR ARCH PIPE, THE SPAN SHALL BE SUBSTITUTED FOR D.

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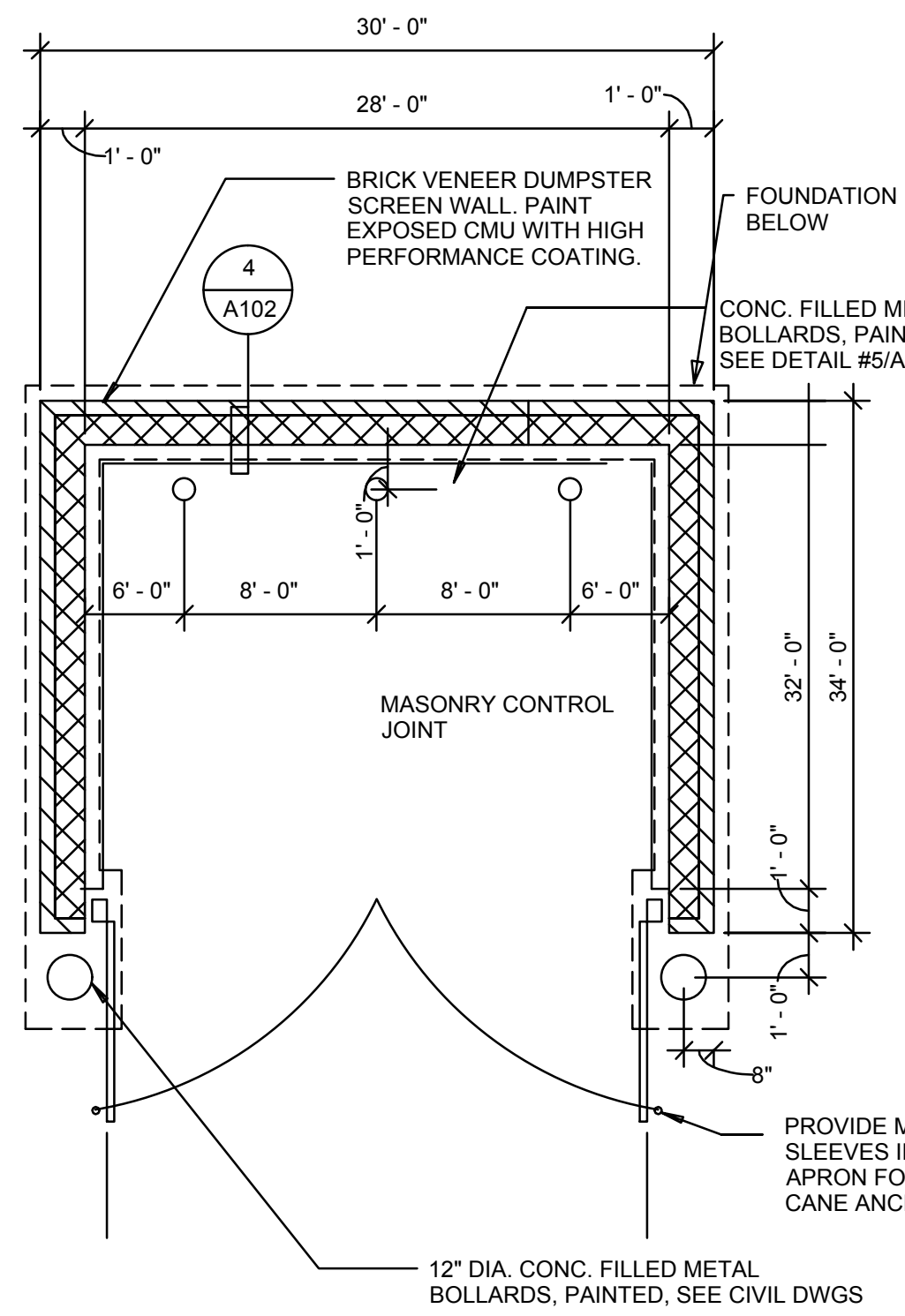
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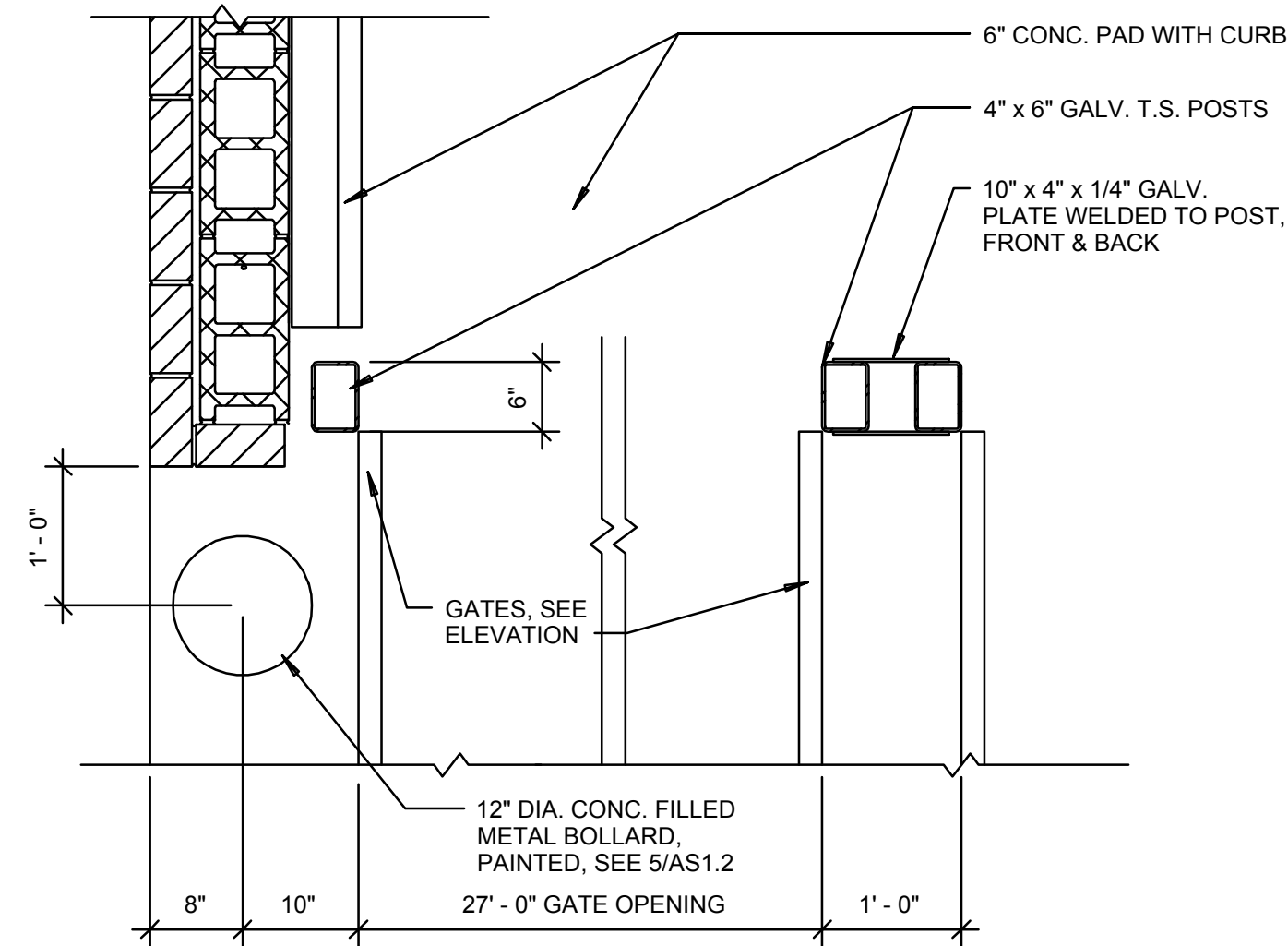
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HUNTERDON COUNTY NEW JERSEY
 TITLE: DETAILS

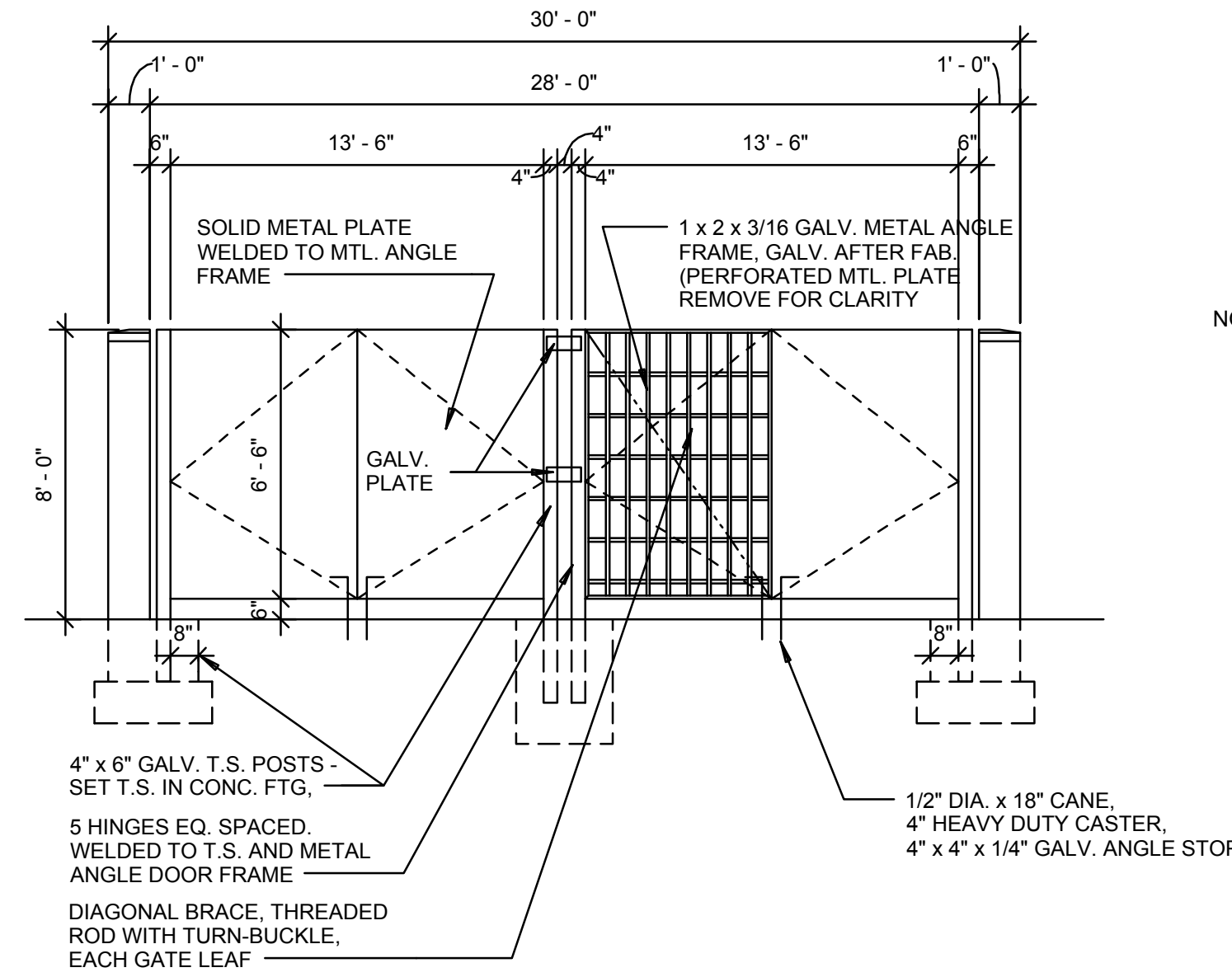
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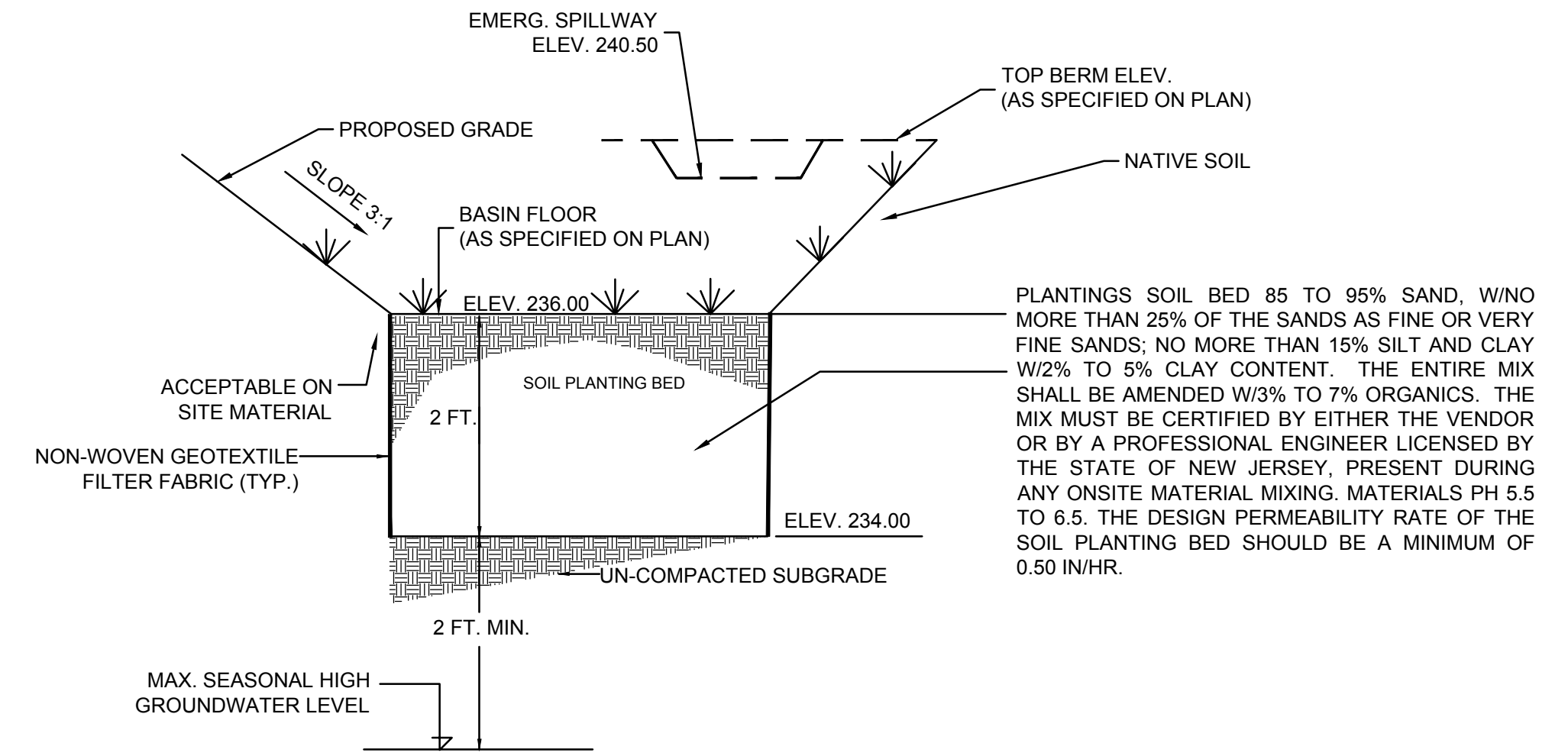
1 TRASH ENCLOSURE DETAIL NTS



2 TRASH ENCLOSURE GATE DETAIL NTS

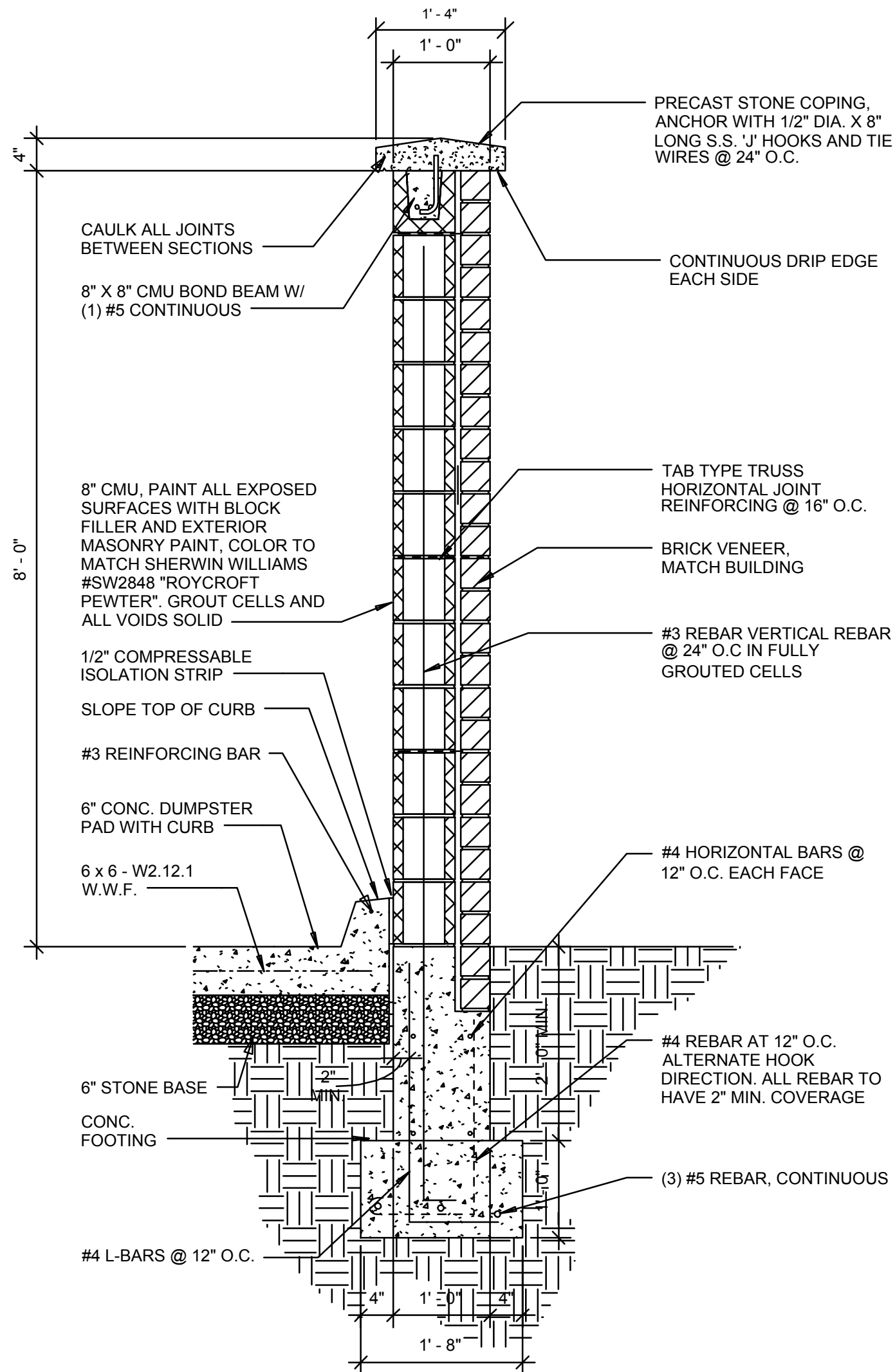


3 TRASH ENCLOSURE GATE ELEVATION DETAIL NTS

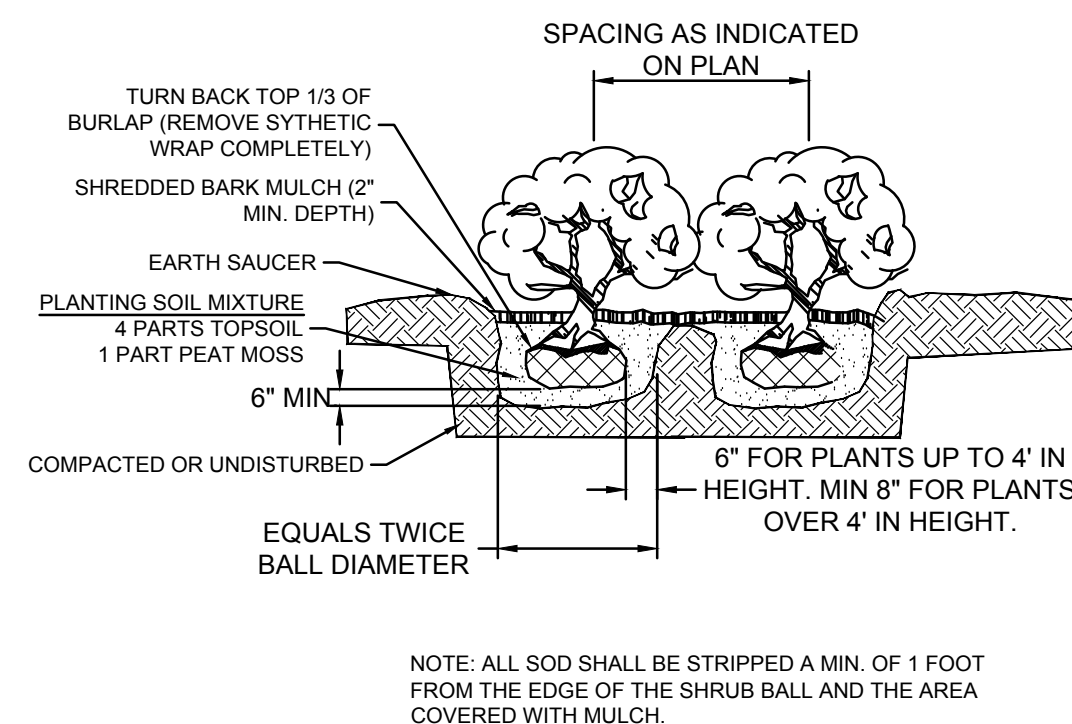


- NOTES:
1. INVASIVE SPECIES, PARTICULARLY THOSE THAT WILL ADAPT TO WET CONDITIONS, SHOULD BE REMOVED OR SPRAYED BEFORE THEY BECOME INCORPORATED INTO THE SITE. SPOT SPRAY OR HAND PULL PROBLEM WEEDS. NORMAL VEGETATION CAN BE WORKED INTO THE TOPSOIL. THE INFILTRATION AND PLANT GROWTH AREAS SHOULD BE LOOSE AND FRIABLE, HIGH IN ORGANIC MATTER AND COMPLETED WITHOUT COMPACTION FROM HEAVY EQUIPMENT
 2. SEEDING AND PLANTING SHOULD BEGIN IMMEDIATELY UPON COMPLETION OF THE STRUCTURE. PLAN SEEDING AND PLANTING BEFORE THE BASIN IS FLOODED OR ALLOW THE BASIN TO DRAIN TO A FEW INCHES BEFORE SEEDING. MULCH SHOULD BE SPARSE IN ORDER TO ALLOW SUNLIGHT TO REACH THE GROUND. IRRIGATING SEEDING AREAS IS BENEFICIAL UNTIL SEEDLINGS BECOME ESTABLISHED.
 3. CARE MUST BE TAKEN TO ENSURE THAT MOWING AND OTHER MAINTENANCE OF THESE GRASSES ARE PERFORMED BY LIGHT WEIGHT EQUIPMENT TO PREVENT THE COMPACTION OF THE SOIL PLANTING BED MATERIAL.

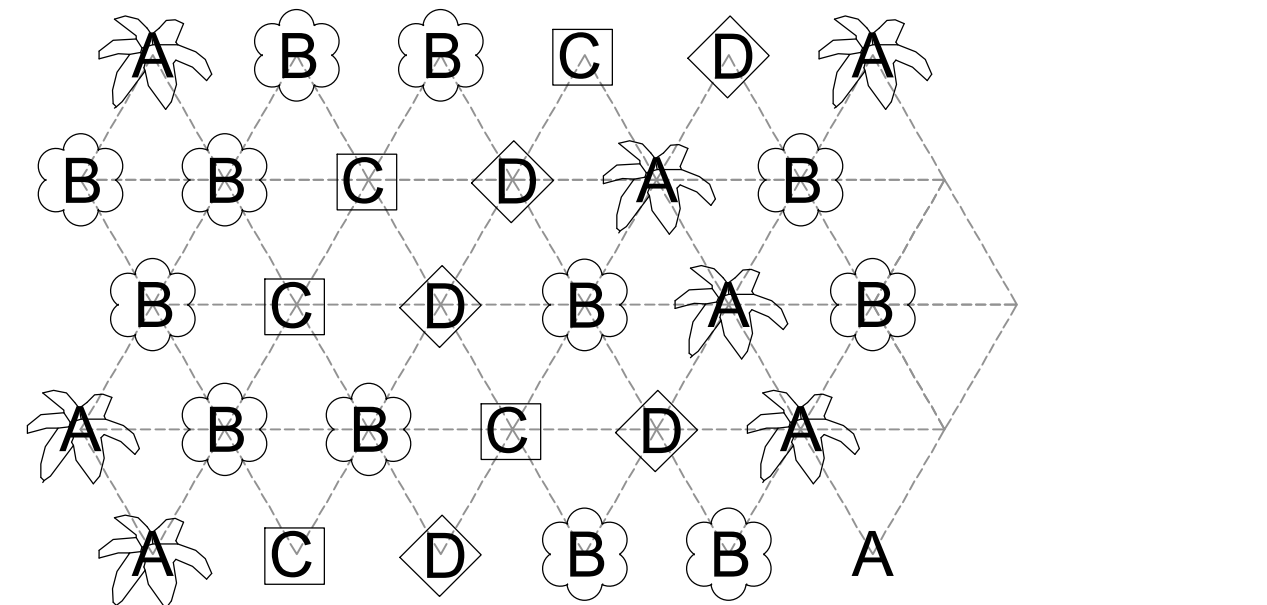
4 BIORETENTION SYSTEM & PLANTING DETAIL NTS



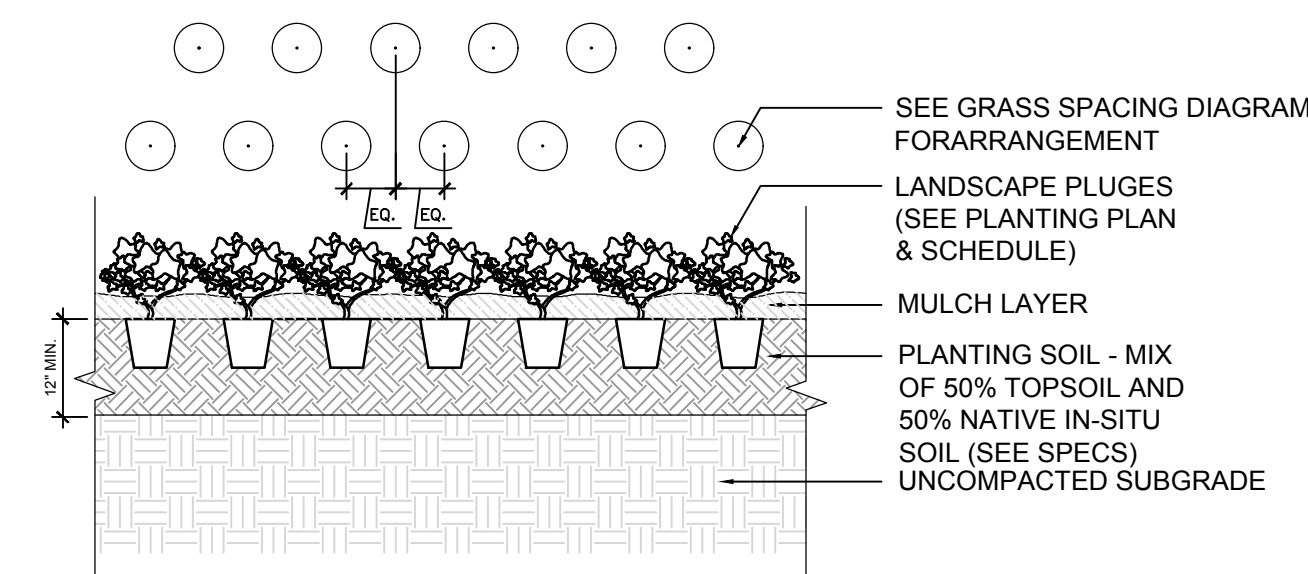
8 TRASH ENCLOSURE WALL DETAIL NTS



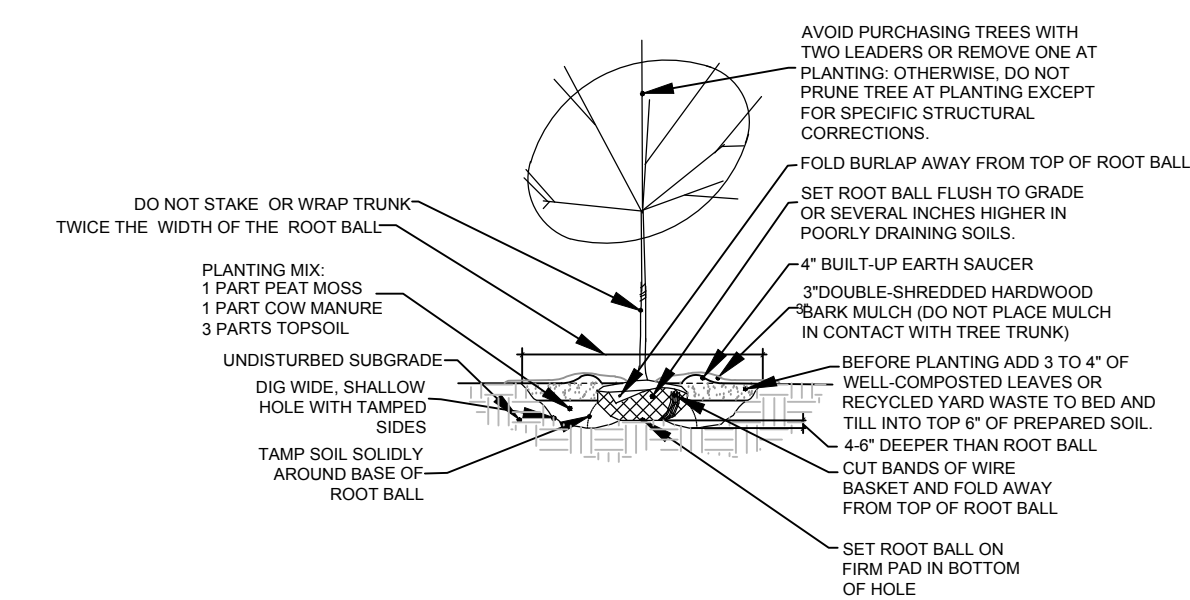
5 SHRUB PLANTING DETAIL NTS



6 PLANT MIX DETAIL NTS

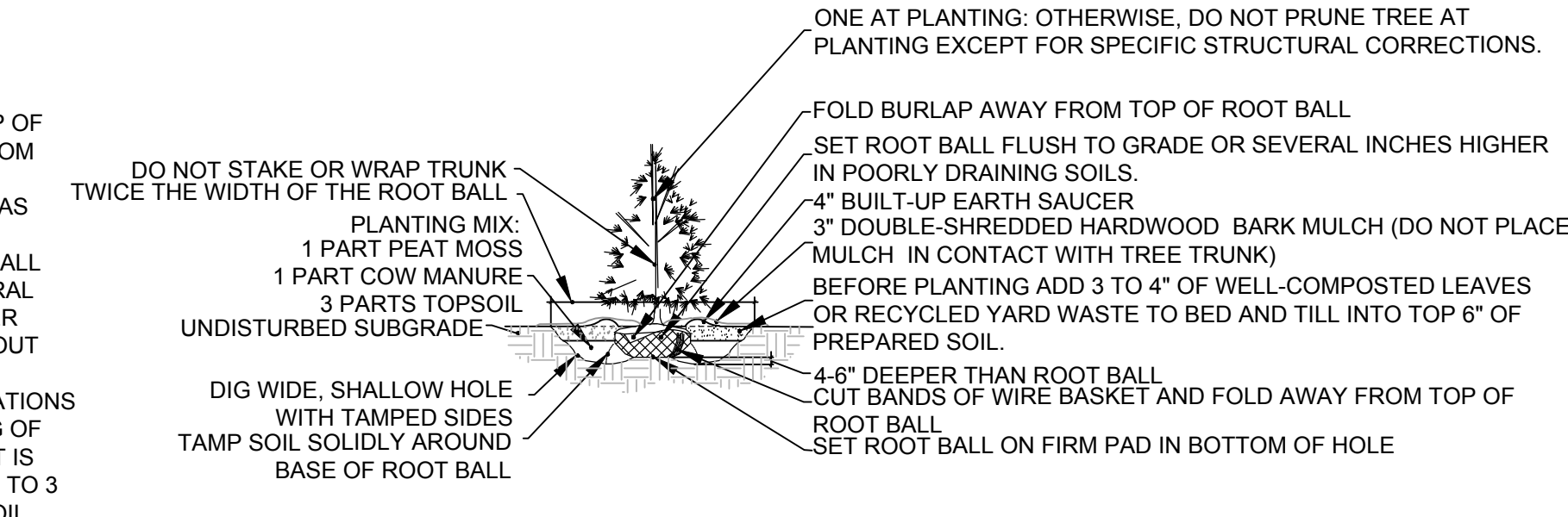


7 PERENNIAL/GRASS PLANTING DETAIL NTS



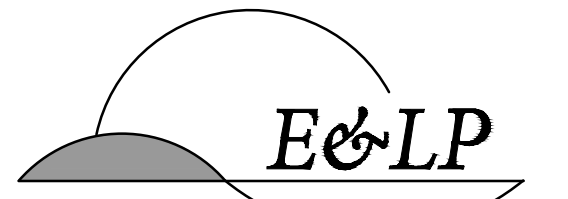
9 DECIDUOUS TREE PLANTING DETAIL NTS

- NOTES:
1. NO SOIL OR MULCH SHALL BE PLACED AGAINST ROOT COLLAR OF PLANT.
 2. REMOVE ALL ROPE FROM TRUNK & TOP OF ROOT BALL. FOLD BURLAP BACK 1/3 FROM TOP OF ROOT BALL.
 3. PLANTING DEPTH SHALL BE THE SAME AS GROWN IN NURSERY.
 4. THOROUGHLY SOAK THE TREE ROOT BALL AND ADJACENT PREPARED SOIL SEVERAL TIMES DURING THE FIRST MONTH AFTER PLANTING AND REGULARLY THROUGHOUT THE FOLLOWING TWO SUMMERS.
 5. THE BOTTOM OF PLANTING PIT EXCAVATIONS SHOULD BE ROUGH TO AVOID MATTING OF SOIL LAYERS AS NEW SOIL IS ADDED. IT IS PREFERABLE TO TILL THE FIRST LIFT (2 TO 3 IN.) OF PLANTING SOIL INTO THE SUBSOIL.



10 EVERGREEN TREE PLANTING DETAIL NTS

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