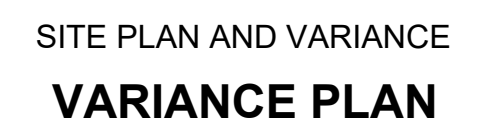




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GRAHAM@PDS-NJ.COM



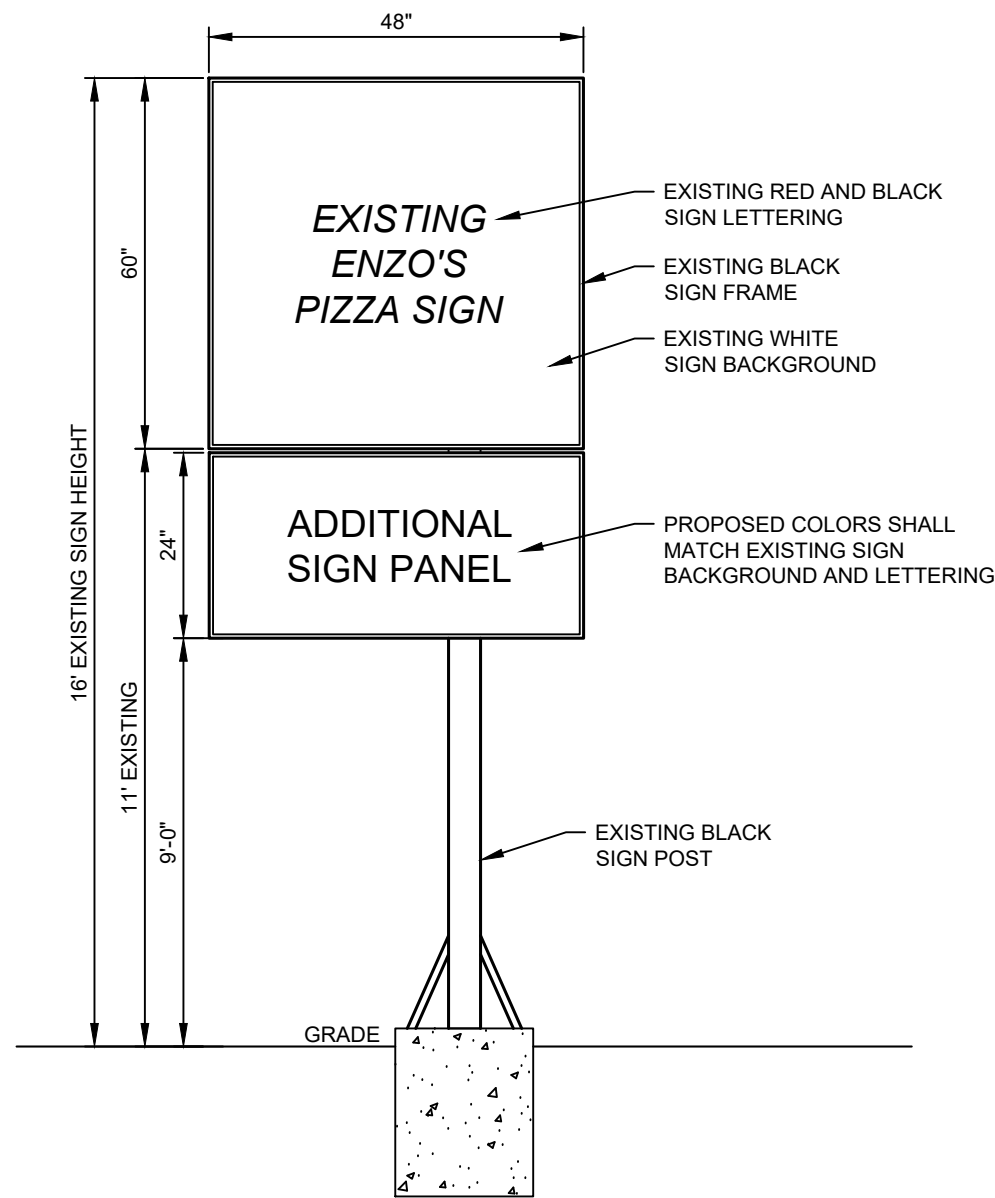
Block 2015 - 10505

BLOCK 2507 - LOT 25
(REFERENCE TAX MAP SHEET No. 25)

SCALE:	1" = 40'	JOB NUMBER:	32227
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DESIGN/CALC'D BY:	GJM	SHEET:	2
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CHECKED BY:	GJM	10
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























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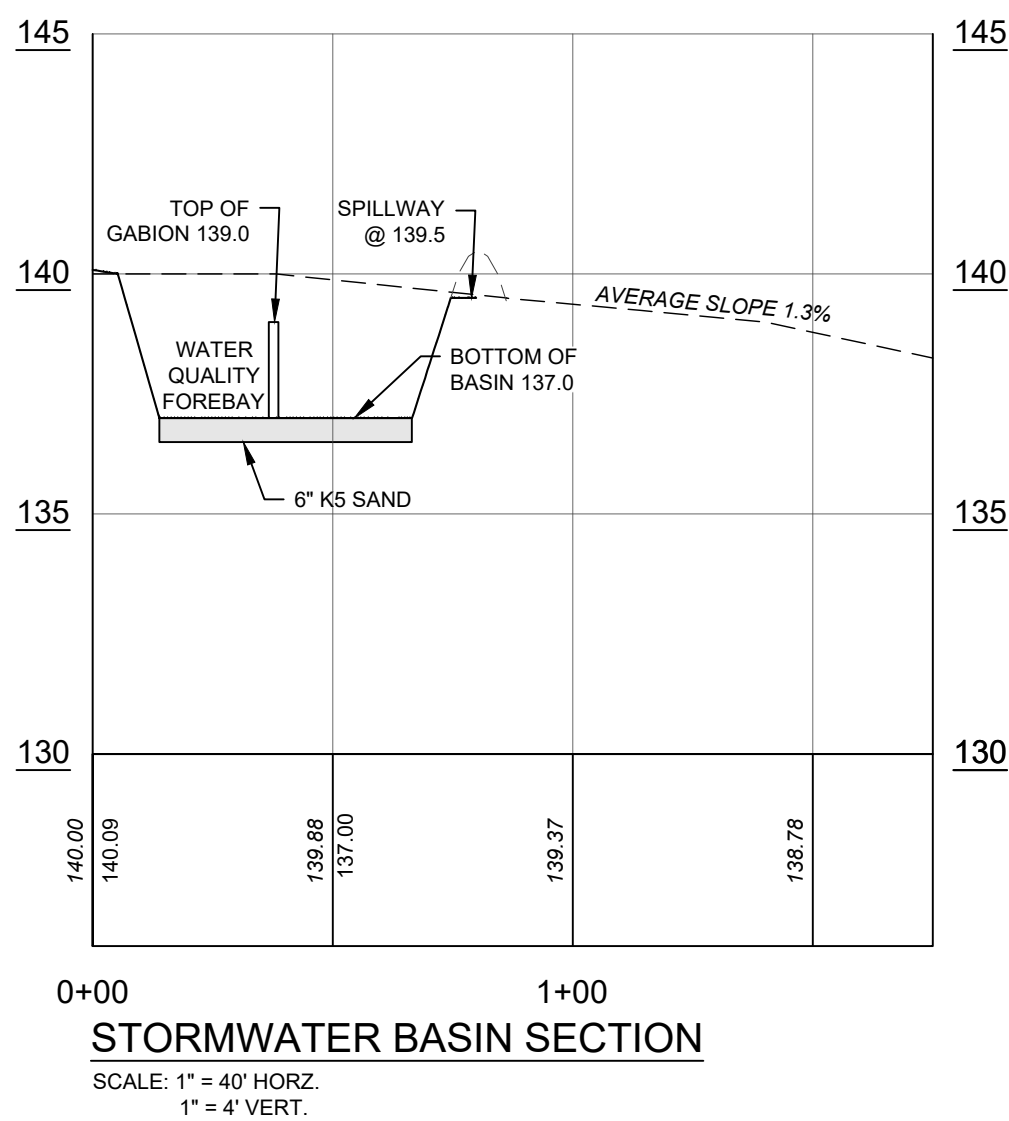
FREE STANDING SIGN	
FREE STANDING SIGNS SHALL BE PERMITTED IN THE LC ZONE	COMPLIES
GROUND SIGNS SHALL NOT EXCEED SIXTEEN FEET IN HEIGHT	COMPLIES
THE BOTTOM OF THE SIGN SHALL BE AT LEAST SEVEN FEET ABOVE GRADE	COMPLIES
THE TOP 15% OF THE SIGN IS RESERVED FOR DISPLAYING THE NAME OF THE COMPLEX OR THE ADDRESS	COMPLIES
THE TENANT/OCCUPANT NAMES MUST BE UNIFORM IN STYLE AND COLOR	COMPLIES
LETTERING SHALL BE A MINIMUM OF SIX INCHES IN HEIGHT	COMPLIES

PARKING TABULATION			
RESTAURANT	2,400 S.F.	1/50 S.F.	48
OFFICE	1,080 S.F.	1/200 S.F.	6
WAREHOUSE	2,590 S.F.	1/1,500 S.F. + 1 SPACE PER EACH VEHICLE	2+4 = 6
TOTAL CURRENTLY REQUIRED			48
TOTAL REQUIRED FOR PROPOSED APPLICATION			56
TOTAL PROVIDED (INCLUDING EV CREDITS)			44

1. ONE EV READY PARKING SPACE IS TO BE PROVIDED SINCE FEWER THAN 50 PARKING SPACES ARE PROPOSED.
2. ALL VEHICLES TO BE PARKED IN THE FOR LEASE PARKING AREAS SHALL BE PROPERLY REGISTERED AND OPERABLE.

LEGEND:

	EXISTING EDGE OF WOODS
	EXISTING CLEANOUT
	EXISTING FIRE HYDRANT
	EXISTING WATER VALVE
	EXISTING WATER BOX
	EXISTING WATER METER
	EXISTING SIGN
	EXISTING LIGHT POLE
	EXISTING UTILITY POLE
	EXISTING GUY WIRE
	EXISTING OVERHEAD WIRES
	EXISTING CHAIN LINK FENCE
	EXISTING WOOD FENCE
	EXISTING VINYL FENCE
	EXISTING WETLANDS
	EXISTING WETLANDS BUFFER
	LIMIT OF 300 FT. CI RIPARIAN BUFFER
	PROPOSED 6 FT. VINYL FENCE
	PROPOSED EDGE OF GRAVEL
	PROPOSED FIRE LANE SIGN
	PROPOSED FIRE LANE MARKINGS AND STRIPING
	GRAVEL DRIVE AISLE TO BE FREE AND CLEAR OF OBSTRUCTIONS
	PROPOSED PARKING WITH BUMPER
	PROPOSED CONCRETE PAVEMENT
	EXISTING POLE MOUNTED LIGHT
	EXISTING BUILDING MOUNTED LIGHT



TP #1- ELEVATION = 140.0			
0 - 4	10 YR	5/2	SANDY LOAM
4 - 12	10 YR	7/1	LOAMY SAND
12 - 18	10 YR	6/8	LOAMY SAND
18 - 52	10 YR	8/8	LOAMY SAND
52 - 80	10 YR	7/8	LOAMY SAND
80 - 96	10 YR	6/2	LOAM / SILT LOAM
96 - 109	10 YR	6/3	SILTY CLAY LOAM
109 - 120	10 YR	7/2	SILTY CLAY LOAM

S.H.W.T. @ 80"; ELEVATION 133.3

GROUNDWATER ENCOUNTERED @ 128"

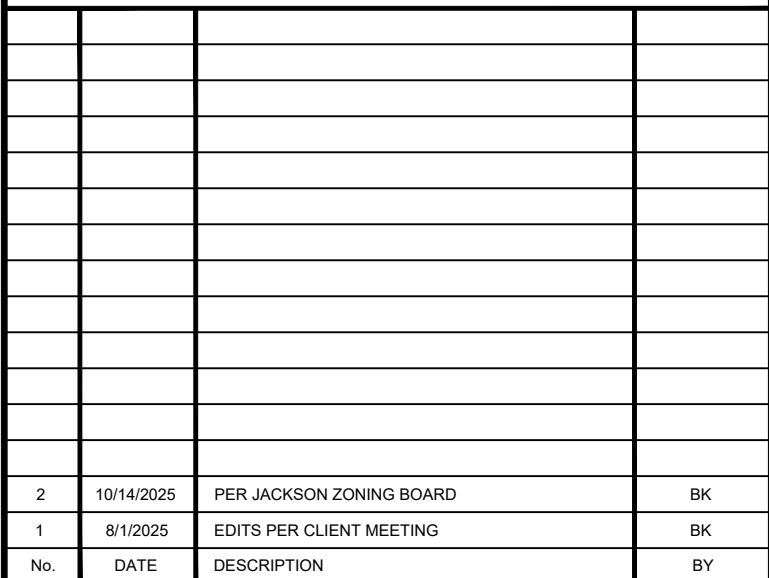
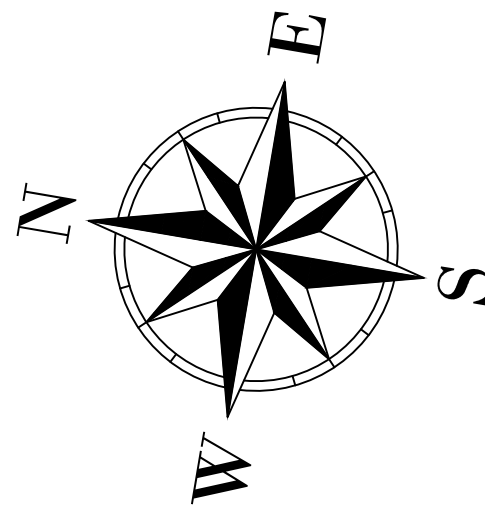
TP #2 - ELEVATION = 140.2				
0 - 5	10 YR	5/4	LOAMY SAND	
5 - 13	10 YR	6/3	LOAMY SAND	
13 - 34	10 YR	7/1	LOAMY SAND	
34 - 38	70 YR	6/8	LOAMY SAND	
38 - 82	10 YR	8/8	LOAMY SAND	
82 - 90	10 YR	8/8	LOAMY SAND	
90 - 108	10 YR	6/3	SILTY CLAY LOAM	
108 - 120	70 YR	6/8	SAND	
120 - 130	10 YR	6/3	LOAM / SILT LOAM	
S.H.W.T. @ 82": ELEVATION 133.4 GROUNDWATER ENCOUNTERED @ 117"				

TP 3# - ELEVATION = 139.7			
0 - 4	10 YR.	5/4	LOAMY SAND
4 - 11	10 YR.	7/1	LOAMY SAND
11 - 15	10 YR.	6/8	LOAMY SAND
15 - 32	70 YR.	8/8	LOAMY SAND
32 - 70	10 YR.	8/8	LOAMY SAND
70 - 80	10 YR.	6/8	SANDY LOAM
80 - 96	70 YR.	6/3	LOAM / SILT LOAM
96 - 111	10 YR.	6/8	SAND
111 - 120	10 YR.	6/3	SILTY CLAY LOAM

S.H.W.T. @ 80"; ELEVATION 133.0
GROUNDWATER ENCOUNTERED @ 108"

TP #4 - ELEVATION = 140.4			
0 - 8	10 YR	6/3	SANDY LOAM
8 - 16	10 YR	6/8	LOAMY SAND
16 - 24	10 YR	8/8	LOAMY SAND
24 - 50	70 YR	7/8	SAND
50 - 82	10 YR	6/2	LOAM / SILT LOAM
82 - 89	10 YR	6/3	SILTY CLAY LOAM
89 - 100	70 YR	7/6	SAND
100 - 120	10 YR	6/3	SILTY CLAY LOAM

S H.W.T. @ 82"; ELEVATION 133.5
GROUNDWATER ENCOUNTERED @ 120"



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NEW JERSEY STATE BOARD OF P.E. & L.S.
CERTIFICATE OF AUTHORIZATION NO. 24GA28125400

WILLIAM A. STEVENS, PE, PP
PROFESSIONAL ENGINEER, NEW JERSEY LIC. #39915
PROFESSIONAL PLANNER, NEW JERSEY LIC. #5394

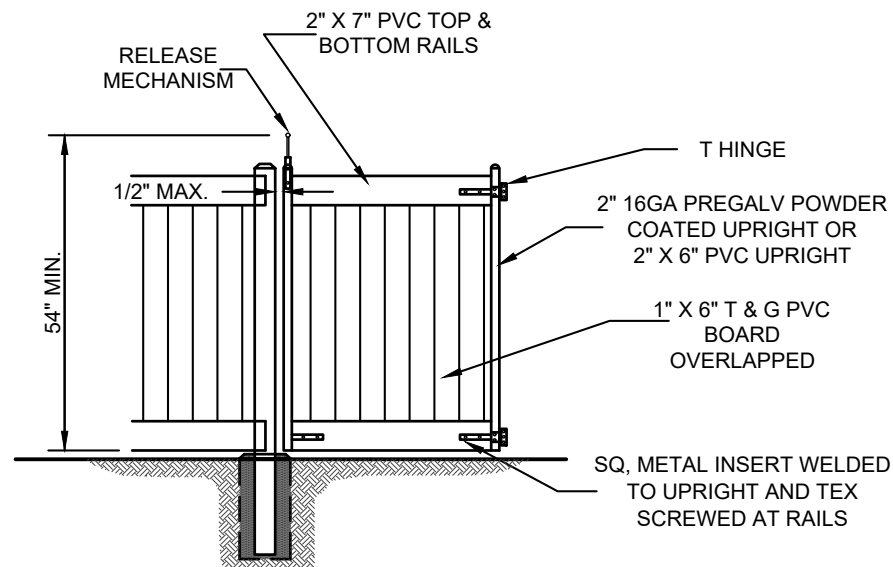
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STEVENM@PDS-NJ.COM



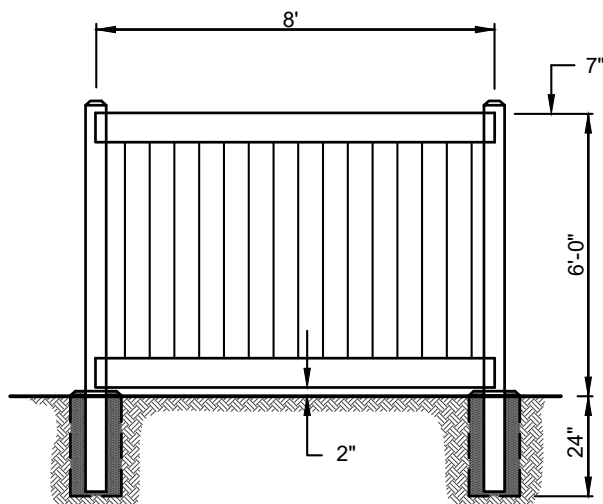
FOR

BLOCK 2507 - LOT 25
(REFERENCE TAX MAP SHEET No. 25)

OCEAN COUNTY		TOWNSHIP OF JACKSON		NEW JERSEY	
SCALE:		1" = 40'		JOB NUMBER: 322277	
DRAWN BY:		BK		DATE: 10/09/2024	
DESIGN/CALC'D BY:		GJM		SHEET: 3	
CHECKED BY:		GJM		10	

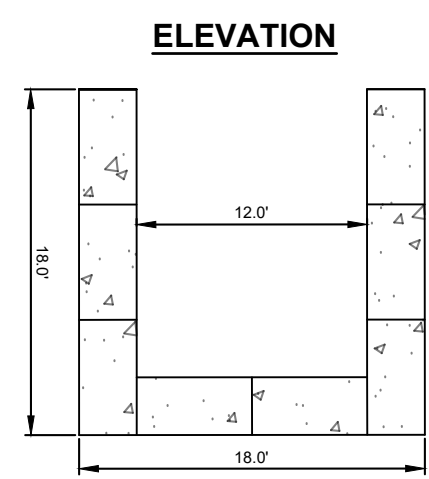
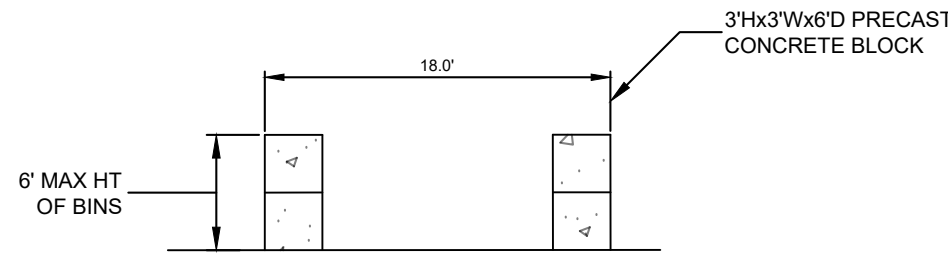
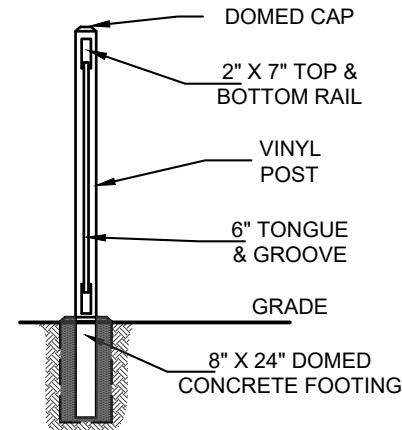


VINYL GATE DETAIL
N.T.S.



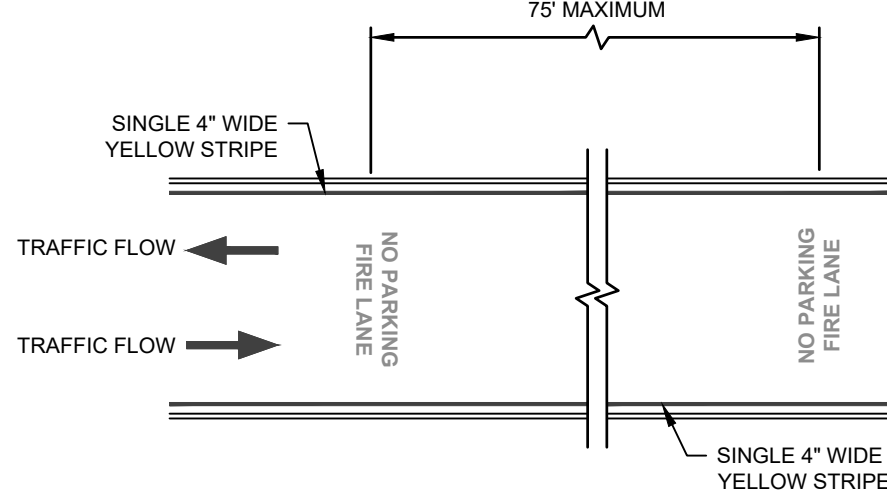
VINYL FENCE DETAIL
N.T.S.

- NOTES:
- COLOR TO BE SELECTED BY OWNER / DEVELOPER



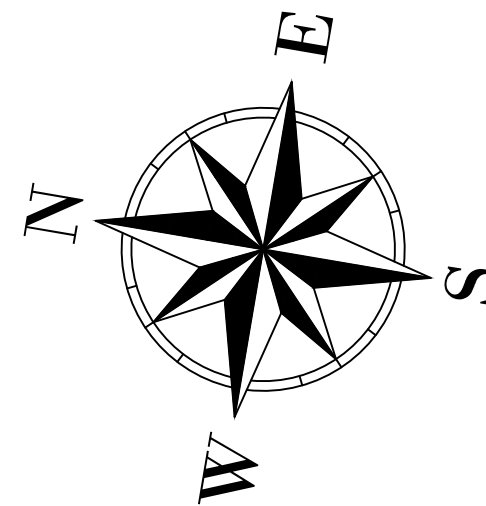
STORAGE BIN
1" = 10'

- NOTES:
- MATERIALS TO BE STORED SHALL BE LIMITED TO MAX HEIGHT OF 10' FEET.



- NOTES:
- FIRE LANE GROUND MARKING SHALL BE A MINIMUM OF 20' WIDE LABELED "NO PARKING FIRE LANE"
 - THE LETTERING SHALL BE LEGIBLE AND THE LETTER SIZE SHALL BE A MINIMUM OF 24" HIGH AND A FOUR INCH STROKE.
 - THE WORDING SHALL FACE DIRECTION OF TRAVEL OR ALTERNATE DIRECTION OF TRAVEL FOR A MAXIMUM DISTANCE OF EVERY 75' ON PAVED SURFACE.
 - STRIPING AND LETTERING SHALL BE APPROVED NJDOT STANDARD TRAFFIC YELLOW PAINT.

FIRE LANE STRIPING
N.T.S.

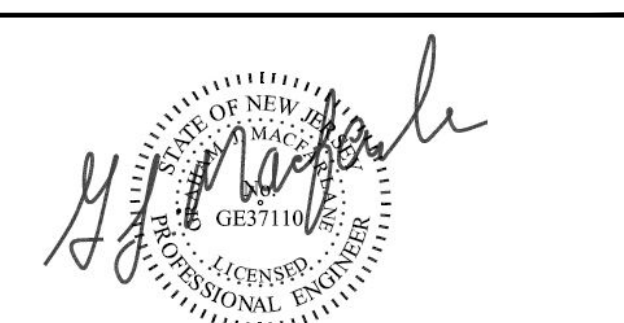


No.	DATE	DESCRIPTION	BY
2	10/14/2025	PER JACKSON ZONING BOARD	BK
1	8/10/2025	EDITS PER CLIENT MEETING	BK

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NEW JERSEY STATE BOARD OF P.E. & L.S.
CERTIFICATE OF AUTHORIZATION NO. 240A28125400

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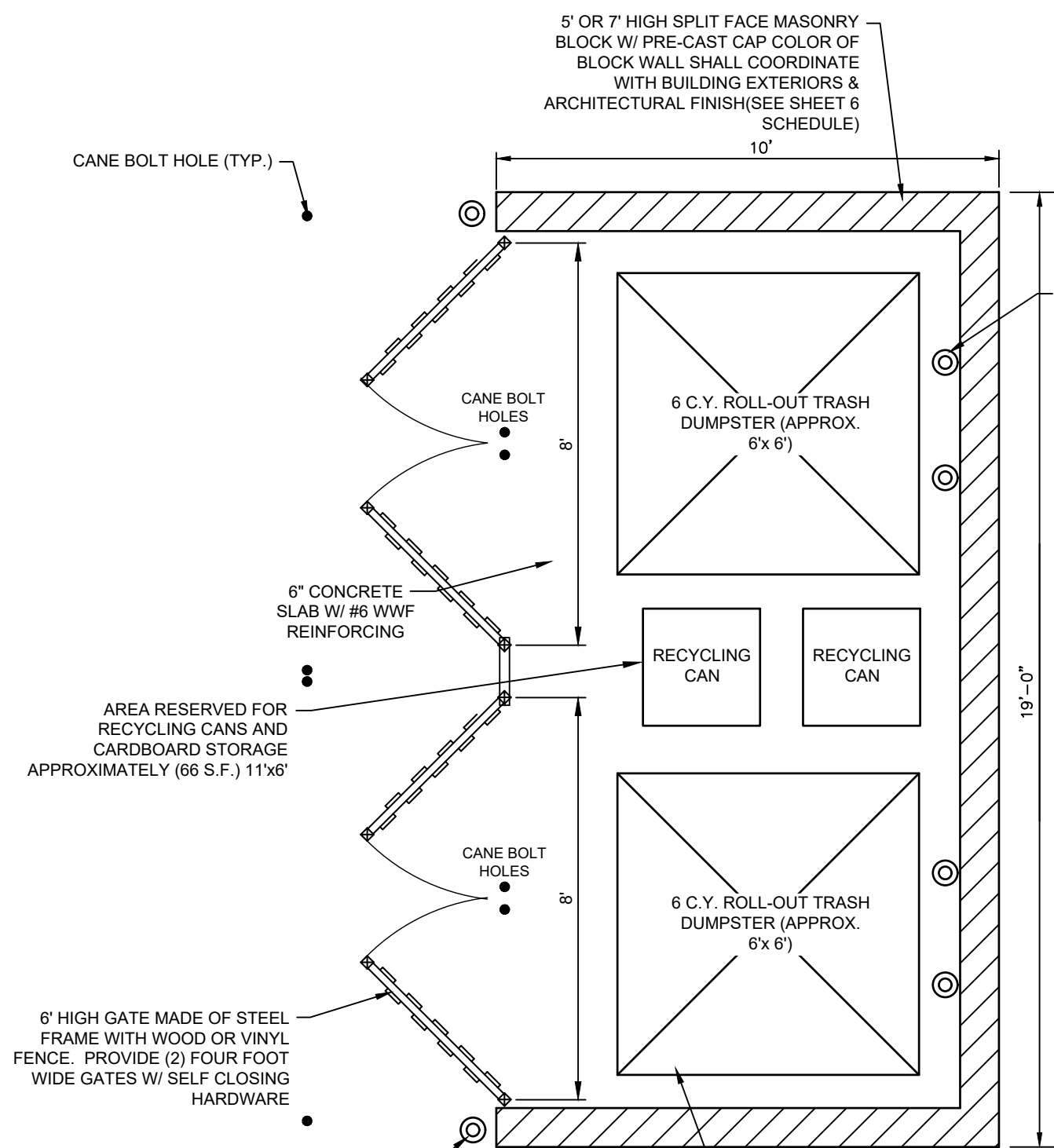


SITE PLAN AND VARIANCE
DETAIL SHEET

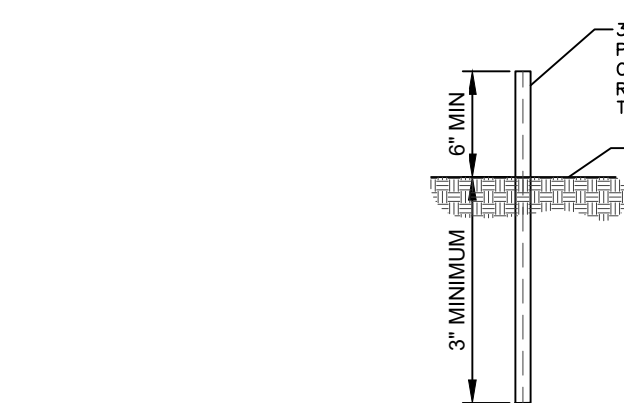
FOR

BLOCK 2507 - LOT 25
(REFERENCE TAX MAP SHEET No. 29)

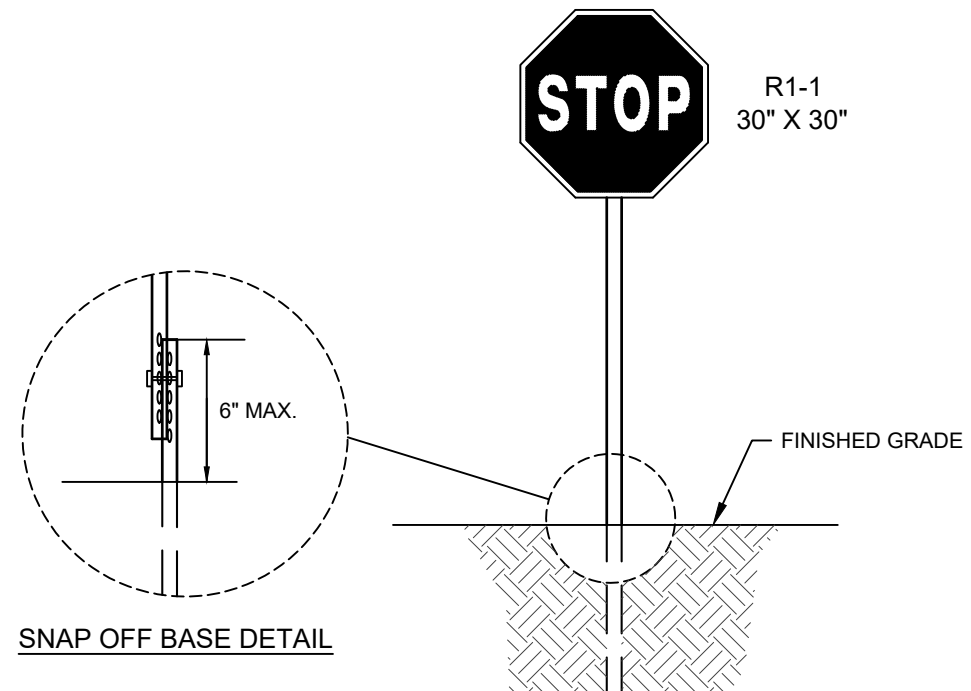
SCALE:	AS NOTED	JOB NUMBER:	322277
DRAWN BY:	BK	DATE:	10/09/2024
DESIGN/CALC'D BY:	GJM	SHEET:	4
CHECKED BY:	GJM		10



DUMPSTER ENCLOSURE DETAIL
N.T.S.



WETLANDS MARKER DETAIL
N.T.S.



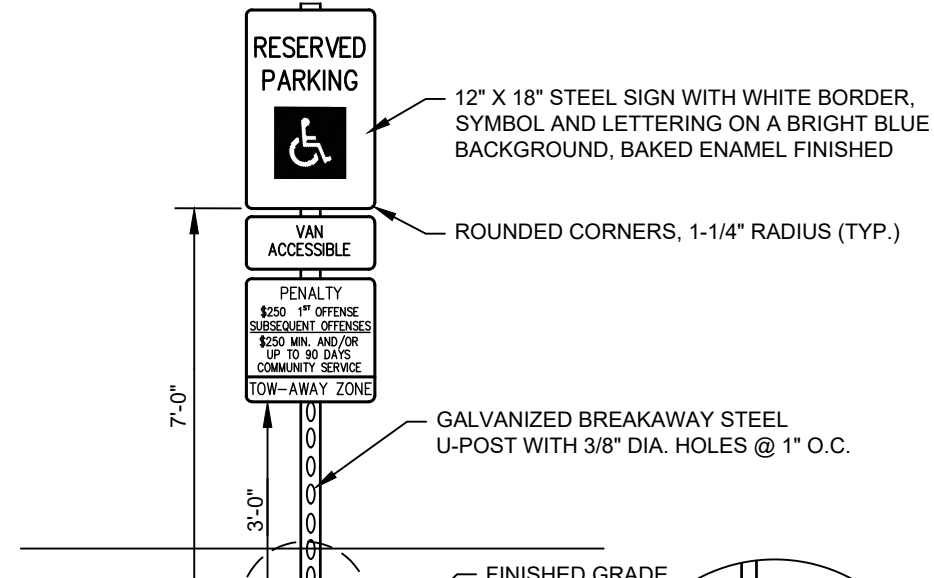
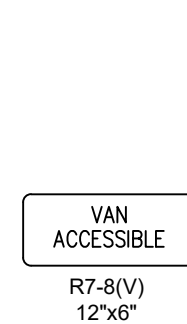
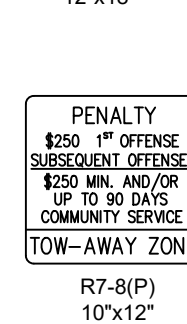
- NOTE:
THE DESIGN AND PLACEMENT OF ALL TRAFFIC SIGNS AND STRIPING SHALL FOLLOW THE REQUIREMENTS SPECIFIED IN THE LATEST "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS," (MUTCD) PUBLISHED BY THE U.S. DEPARTMENT OF TRANSPORTATION AND ADOPTED BY THE NJ DEPARTMENT OF TRANSPORTATION.

STOP SIGN & POST
N.T.S.

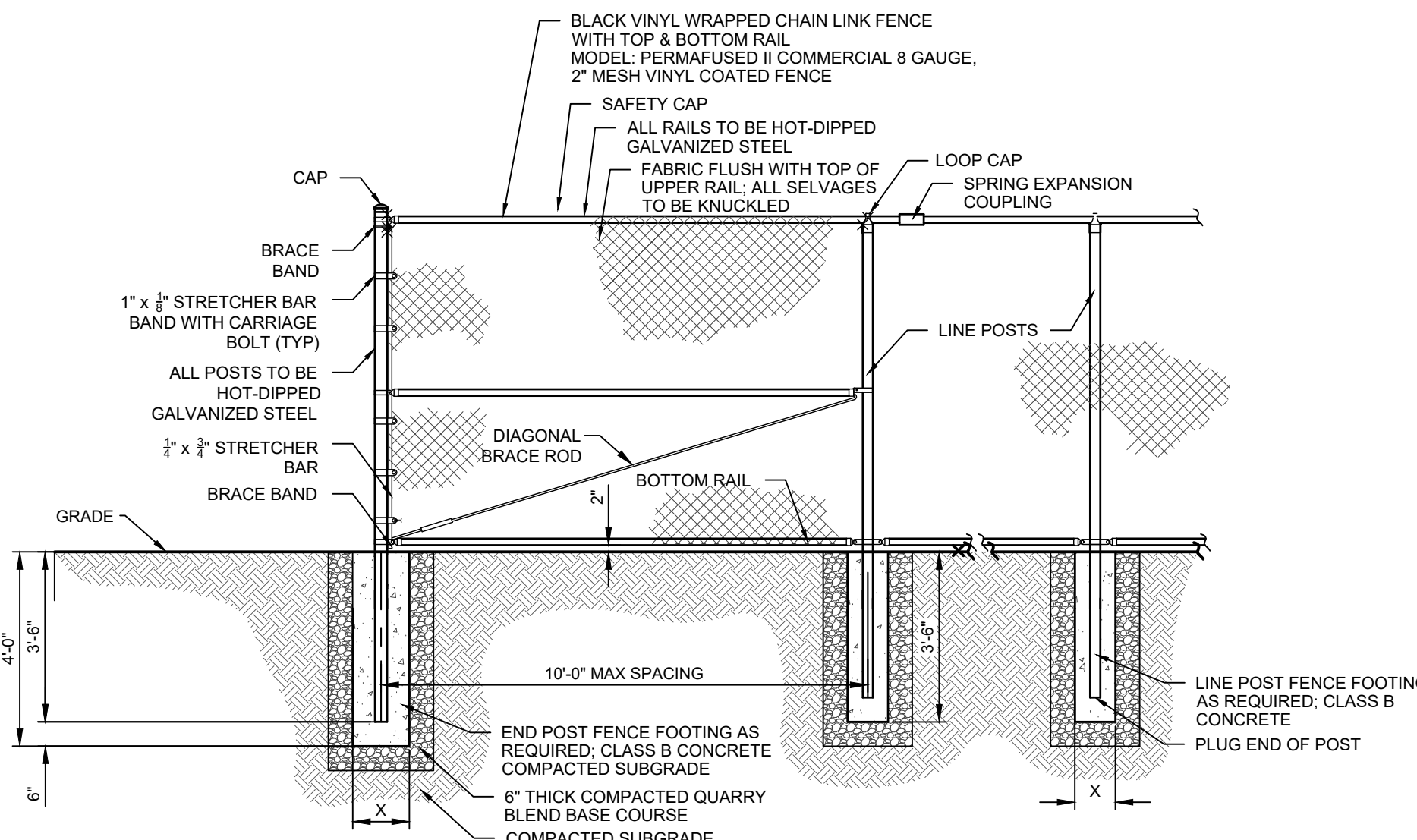
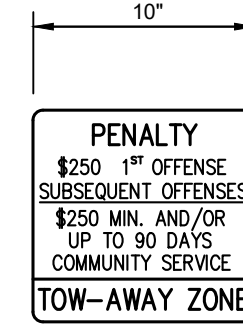


FIRE LANE SIGN
N.T.S.

- NOTES:
- FIRE SIGN TO BE ERRECTED WITH THE BOTTOM OF THE SIGN NOT LESS THAN 6 FEET ABOVE THE GROUND.
 - FIRE SIGN TO BE 12" WIDE BY 18" IN LENGTH.
 - FIRE SIGN TO HAVE A WHITE REFLECTIVE BACKGROUND WITH A RED BORDER AND A MINIMUM OF 3" SIZED REFLECTIVE RED LETTERS LABELED "NO" ON THE FIRST LINE, 3" SIZED REFLECTIVE RED LETTERS LABELED "PARKING" ON THE SECOND LINE, 2" SIZED REFLECTIVE RED LETTERS LABELED "FIRE" ON THE THIRD LINE AND 2" SIZED REFLECTIVE RED LETTERS LABELED "LANE OR ZONE" ON THE FOURTH LINE.
 - SPACING OF THE SIGNS SHALL BE EVEN, WITH ONE SIGN FACING THE DIRECTION OF TRAVEL OR ALTERNATE DIRECTION OF TRAVEL FOR A MAXIMUM DISTANCE 100' PER SIGN OR AS ORDERED BY THE FIRE OFFICIAL.

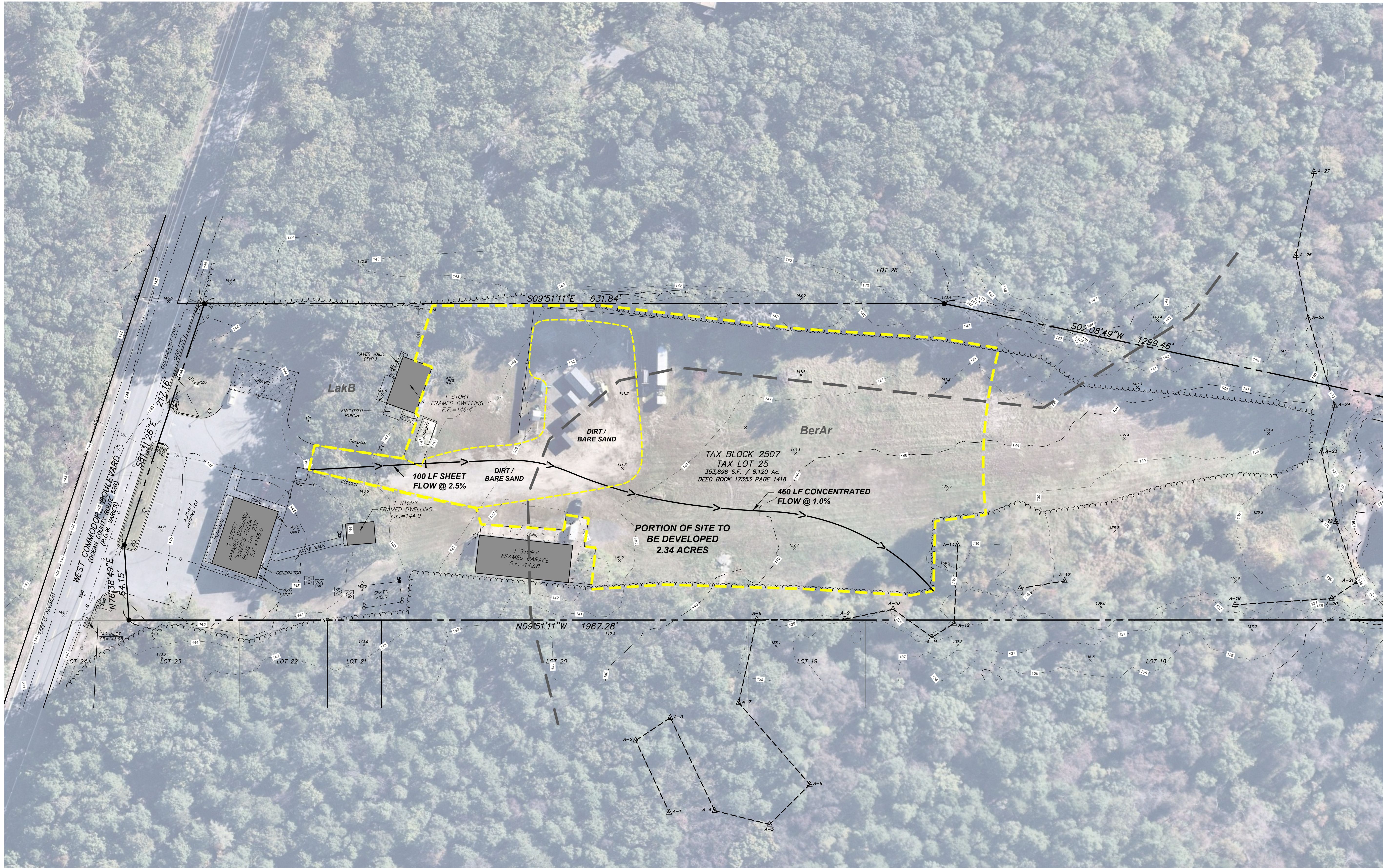


HANDICAPPED PARKING
SPACE SIGN DETAIL
N.T.S.



- NOTES:
- ALL FRAMEWORK SHALL BE HOT-DIPPED GALVANIZED STEEL, SCHEDULE 40 PIPE.
 - OUTSIDE DIAMETERS OF ALL POSTS SHALL BE IN ACCORDANCE WITH THE SPECIFIED REQUIREMENTS AND WILL VARY WITH NOMINAL FENCE HEIGHT.
 - FOOTING SIZES VARY WITH NOMINAL FENCE HEIGHT.
 - ALL POSTS, RAILS, HARDWARE AND FABRIC ARE TO BE BLACK VINYL WRAPPED.
 - ALL FENCING AND SWING GATES IN AND AROUND FIELD AREAS SHALL INCLUDE 4" POLYETHYLENE SAFETY CAPS.

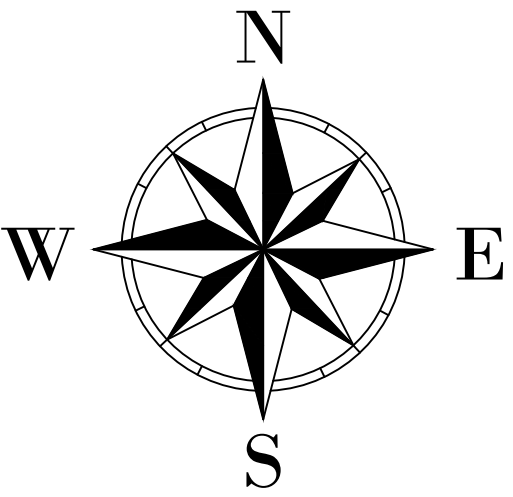
CHAIN LINK FENCE
NTS



LAND USE SCHEDULE			
	LakB	BerAr	
GRASS	28,150 S.F.	54,221 S.F.	
DIRT / BARE SAND	13,027 S.F.	6,160 S.F.	
IMPERVIOUS	688 S.F.	0 S.F.	

LakB - Ladehurst A
BerAr - A/D
NOTE:
PRE-DEVELOPED CONDITIONS TAKEN FROM AERIAL PHOTOGRAPH OCTOBER 202 PRIOR TO CONCURRENCE OF ANY DEVELOPMENT ACTIVITIES.

AERIAL PHOTO DATE: 10/5/2020



40 0 40 80
SCALE IN FEET

No.	DATE	DESCRIPTION	BY
2	10/14/2025	PER JACKSON ZONING BOARD	BK
1	8/10/2025	EDITS PER CLIENT MEETING	BK

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STEVEN@PDS-NJ.COM

[Signature]
LICENSED PROFESSIONAL ENGINEER

SITE PLAN AND VARIANCE

PRE DEVELOPED

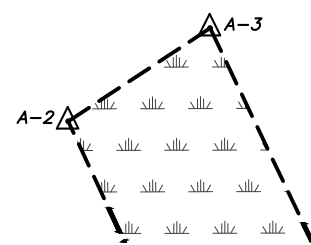
DRAINAGE AREA MAP

FOR

BLOCK 2507 - LOT 25

(REFERENCE TAX MAP SHEET No. 25)

OCEAN COUNTY	TOWNSHIP OF JACKSON	NEW JERSEY
SCALE: BK	JOB NUMBER: 322277	
DRAWN BY: BK	DATE: 10/09/2025	
DESIGN/CALC'D BY: GJM	SHEET: 5	
CHECKED BY: GJM		10



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ENVIRONMENTAL SCIENTISTS, CONSTRUCTION SERVICES
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PHONE 732 363 0060 FAX 732 363 0073
NEW JERSEY STATE BOARD OF P.E. & L.S.
CERTIFICATE OF AUTHORIZATION NO. 246A28125(40)











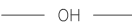
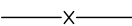



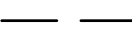
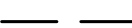
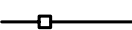






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PHONE 732 363 0060 FAX 732 363 0073
NEW JERSEY STATE BOARD OF P.E. & L.S.
CERTIFICATE OF AUTHORIZATION NO. 24GCA28125400

A circular professional engineer seal for the State of New Jersey. The outer ring contains the text "STATE OF NEW JERSEY" at the top and "PROFESSIONAL ENGINEER" at the bottom. Inside the ring, the name "Y. J. MacFarlane" is written in a large, stylized cursive script. Below the name, the license number "GE37110" is printed. At the bottom of the seal, the word "LICENSED" is printed.

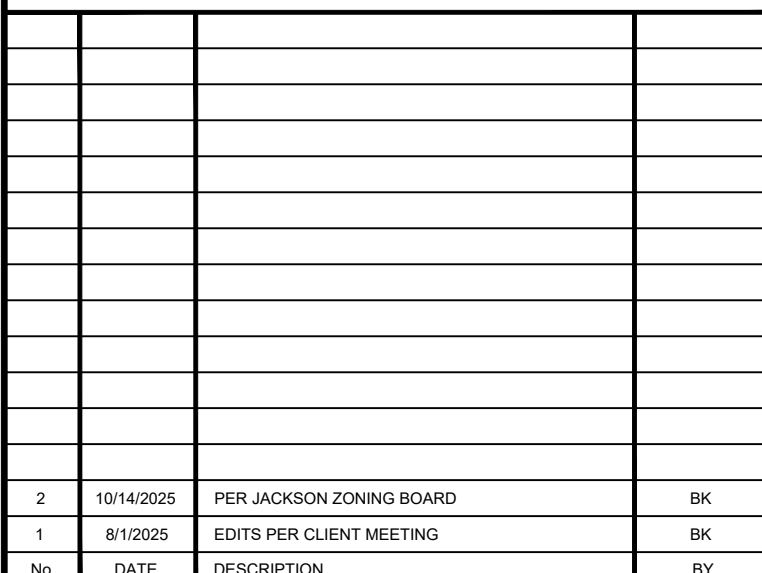
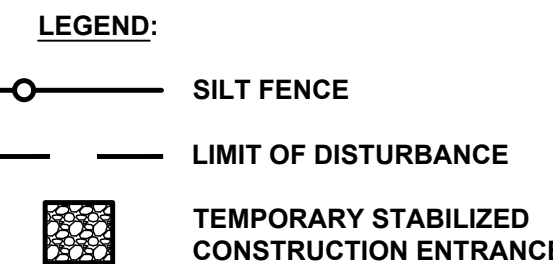
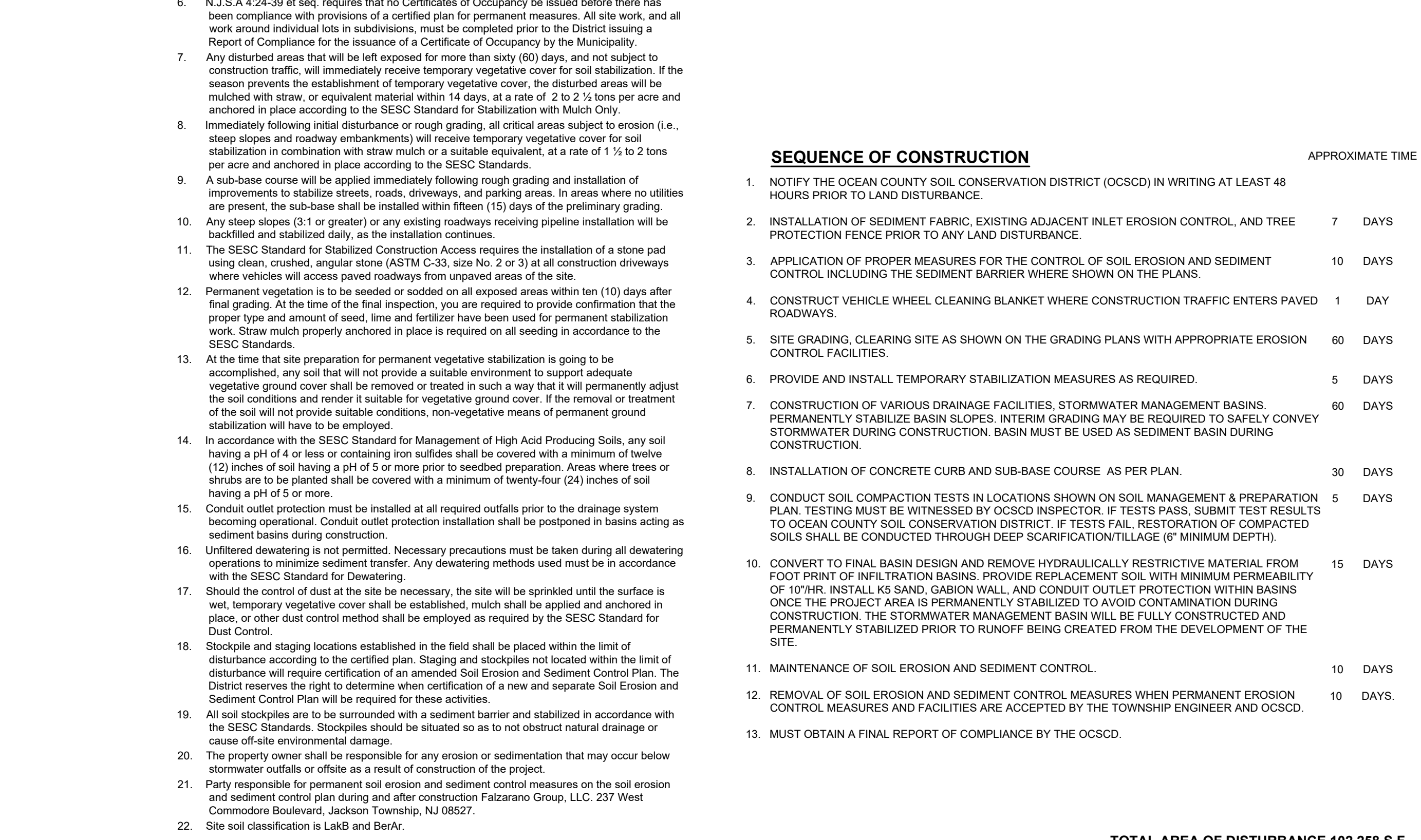
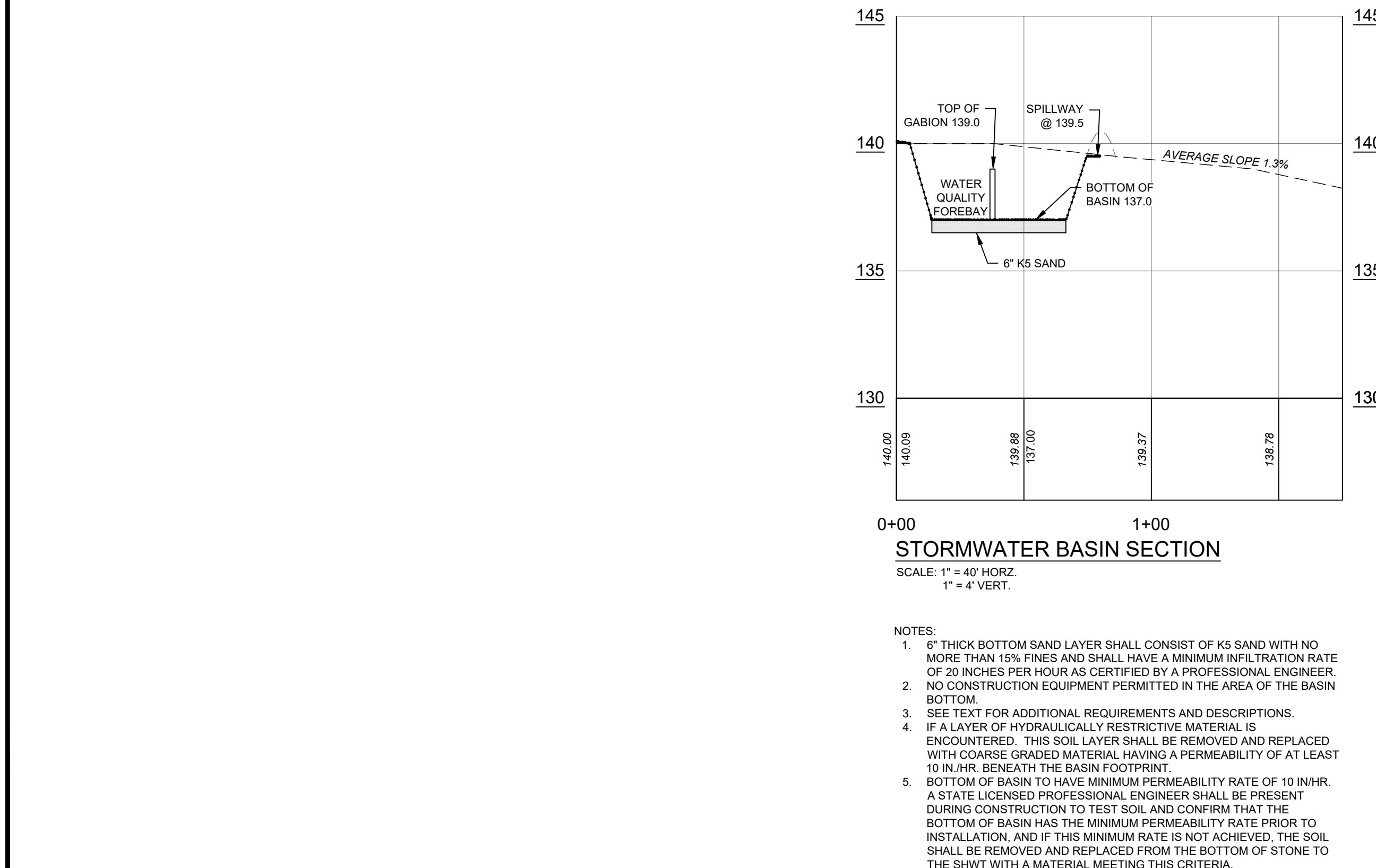
FOR

BLOCK 2507 - LOT 25
(REFERENCE TAX MAP SHEET No. 25)

OCEAN COUNTY		TOWNSHIP OF JACKSON		NEW JERSEY	
SCALE: 1" = 40'		JOB NUMBER:		322277	
DRAWN BY: BK		DATE:		10/09/2024	
DESIGN/CALC'D BY: GJM		SHEET: 6			
CHECKED BY: GJM				10	

	EXISTING EDGE OF WOODS
	EXISTING CLEANOUT
	EXISTING FIRE HYDRANT
	EXISTING WATER VALVE
	EXISTING WATER BOX
	EXISTING WATER METER
	EXISTING SIGN
	EXISTING LIGHT POLE
	EXISTING UTILITY POLE
	EXISTING GUY WIRE
	EXISTING OVERHEAD WIRES
	EXISTING CHAIN LINK FENCE
	EXISTING WOOD FENCE
	EXISTING VINYL FENCE
	EXISTING WETLANDS LIMIT
	EXISTING WETLANDS BUFFER
	LIMIT OF 300 FT. CI RIPARIAN BUFFER
	PROPOSED 6 FT. VINYL FENCE
	PROPOSED EDGE OF GRAVEL
	PROPOSED FIRE LANE SIGN
	PROPOSED FIRE LANE MARKINGS AND STRIPING
	GRAVEL DRIVE AISLE TO BE FREE AND CLEAR OF OBSTRUCTIONS
	PROPOSED PARKING WITH BUMPER
	PROPOSED CONCRETE PAVEMENT

POST DEVELOPED LAND USE			
		LakB	BerAr
	IMPERVIOUS	1,372 S.F.	233 S.F.
	GRAVEL	39,713 S.F.	37,865 S.F.
	GRASS	923 S.F.	22,280 S.F.



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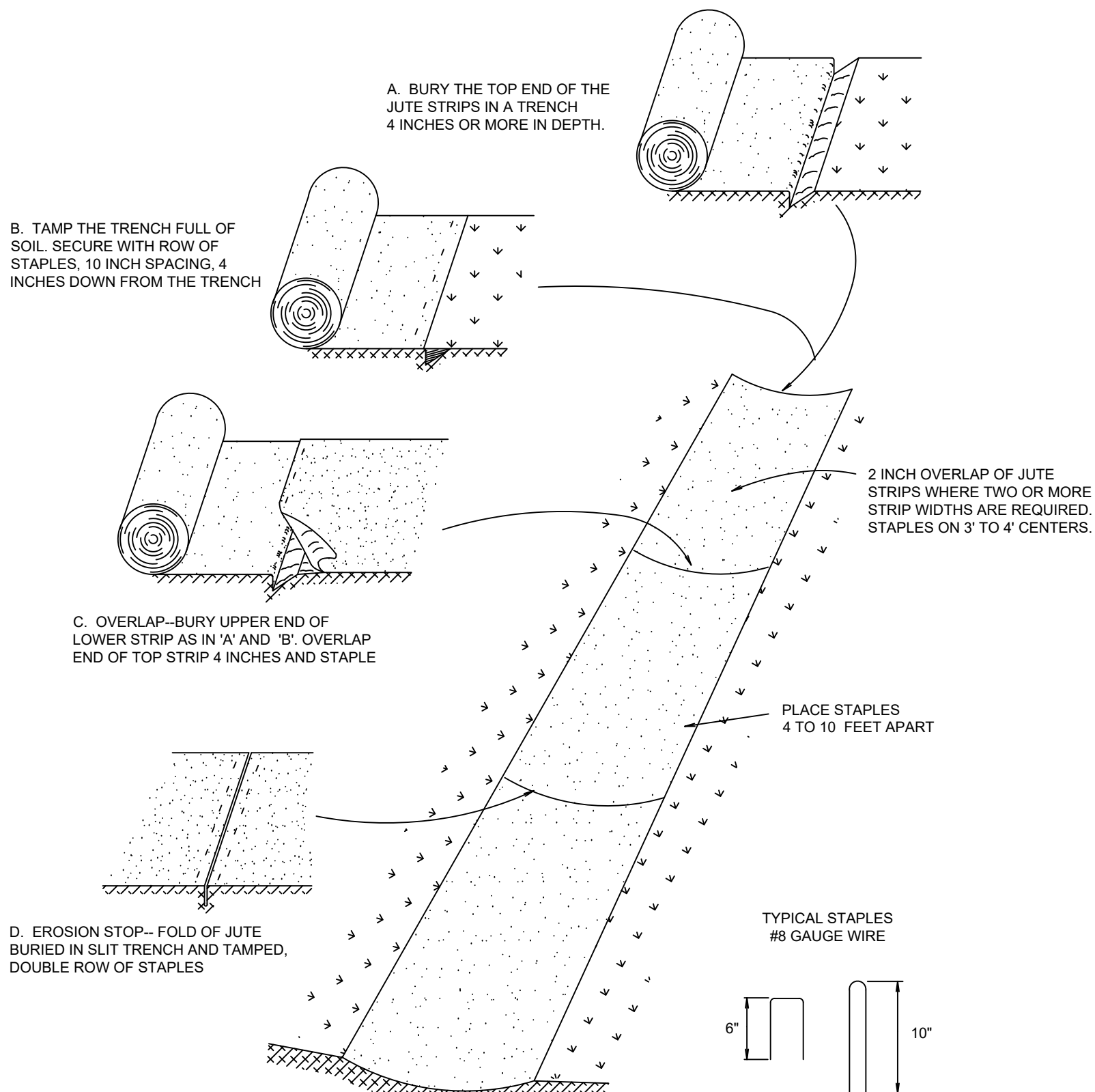
WILLIAM A. STEVENS, PE, PP
PROFESSIONAL ENGINEER, NEW JERSEY LIC. #30915
PROFESSIONAL PLANNER, NEW JERSEY LIC. #5394

STEVEN METELSKI, JR., PLS
N.J. PROFESSIONAL LAND SURVEYOR LICENSE #43393
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FOR
BLOCK 2507 - LOT 25
(REFERENCE TAX MAP SHEET No. 2)

OCEAN COUNTY		TOWNSHIP OF JACKSON		NEW JERSEY	
SCALE:		1" = 40'		JOB NUMBER: 322277	
DRAWN BY:		BK		DATE: 01/24/2024	
DESIGN/CALC'D BY:		GJM		SHEET: 7	
CHECKED BY:		GJM		10	

TOTAL AREA OF DISTURBANCE 102,258 S.F.



NTS

The diagram illustrates the transition between a stabilized construction entrance and a public right-of-way (R.O.W.). It is divided into two horizontal sections: a top section for a truck and a bottom section for a car.

Top Section (Truck):

- EXISTING GROUND:** Indicated on the left side.
- 12" MINIMUM 1/2" CLEAN STONE:** A layer of stone above the stabilized construction area.
- 50' OR GREATER AS REQUIRED:** The length of the stabilized construction area.
- EXISTING ROADWAY:** The paved area on the right side.

Bottom Section (Car):

- EXISTING GROUND:** Indicated on the left side.
- 50' OR GREATER AS REQUIRED STABILIZED CONSTRUCTION ACCESS:** The length of the stabilized construction area.
- 1/2" CLEAN STONE 12" THICK:** A layer of stone above the stabilized construction area.
- EXISTING ROADWAY:** The paved area on the right side.
- ELL WIDTH OF EXISTING PAVEMENT:** The width of the existing pavement on the right side.

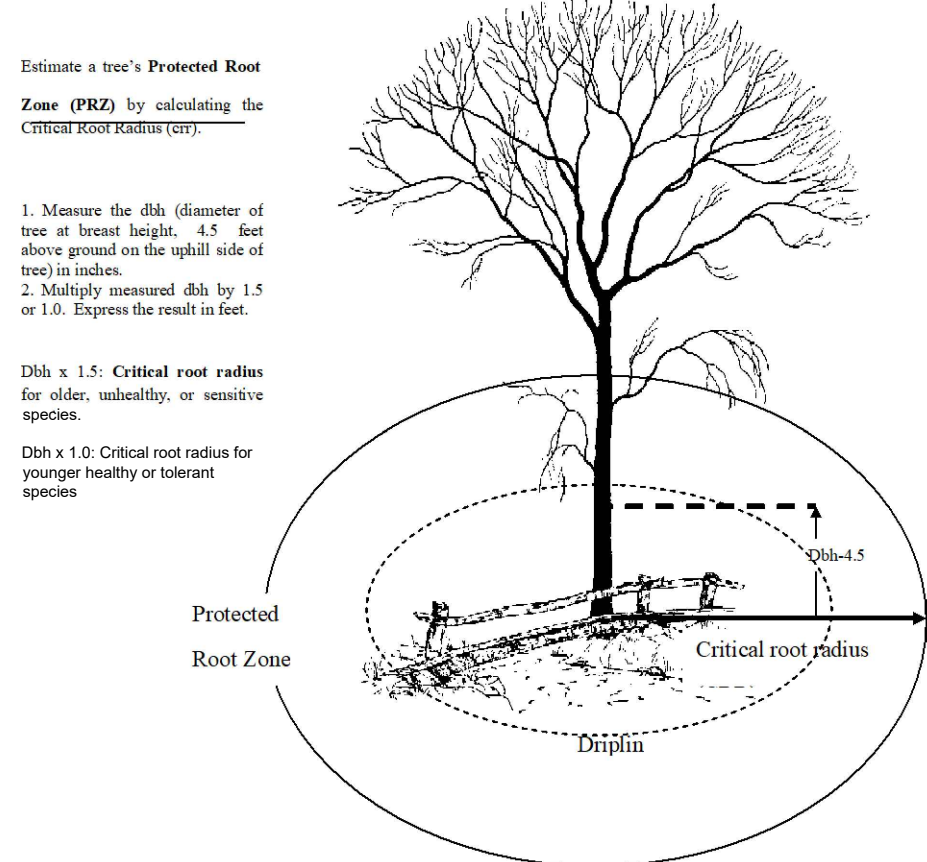
NOTE: PROVIDE APPROPRIATE TRANSITION BETWEEN STABILIZED CONSTRUCTION ENTRANCE AND PUBLIC R.O.W.

NTS

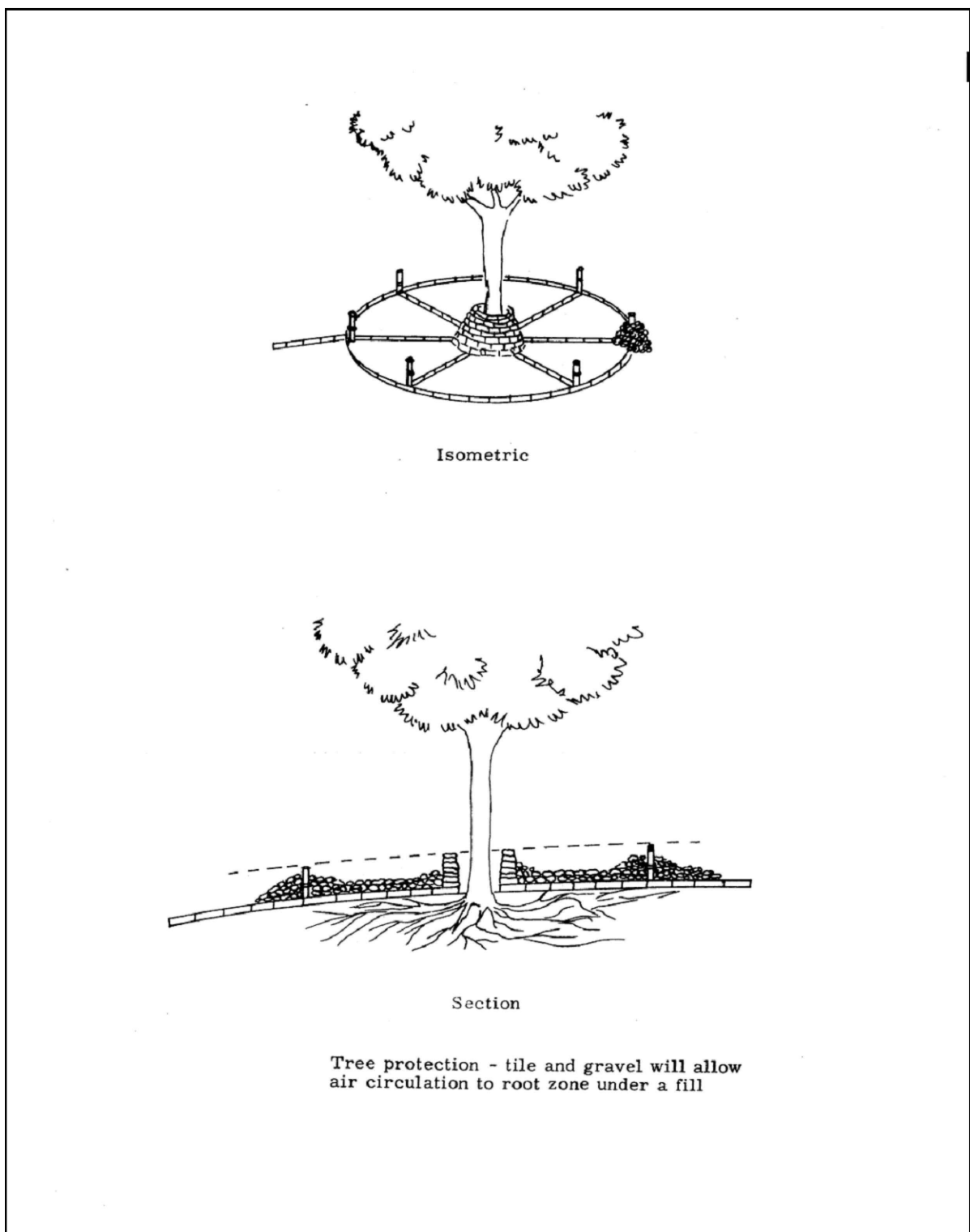
1. FENCE POSTS SHALL BE SPACED 8 FEET CENTER TO CENTER OR CLOSER. THEY SHALL EXTEND AT LEAST 2 FEET INTO THE GROUND AND EXTEND AT LEAST 2 FEET ABOVE GROUND. POSTS SHALL BE CONSTRUCTED OF HARDWOOD WITH A MINIMUM DIAMETER THICKNESS OF 1.5 INCHES.
2. "SUPER" SILT FENCE - A METAL FENCE WITH 6 INCH OR SMALLER MESH OPENINGS AND AT LEAST 2 FEET HIGH MAY BE UTILIZED. FASTENED TO THE FENCE POSTS, TO PROVIDE REINFORCEMENT AND SUPPORT TO THE GEOTEXTILE FABRIC. POSTS MAY BE SPACED LESS THAN 8 FEET ON CENTER AND MAY BE CONSTRUCTED OF HEAVIER WOOD OR METAL AS NEEDED TO WITHSTAND HEAVY SEDIMENT LOADING. THIS PRACTICE IS APPROPRIATE WHERE SPACE FOR OTHER PRACTICES IS LIMITED AND HEAVY SEDIMENT LOADING IS EXPECTED. "SUPER" SILT FENCE IS NOT TO BE USED IN PLACE OF PROPOSED DIVERSIONS WHICH MAY BE NEEDED TO CONTROL SURFACE RUNOFF RATES AND VELOCITIES.
3. A GEOTEXTILE FENCE, RECOMMENDED FOR SUCH USE BY THE MANUFACTURER, SHALL BE BURIED AT LEAST 6 INCHES DEEP IN THE GROUND. THE FABRIC SHALL EXTEND AT LEAST 2 FEET ABOVE THE GROUND. THE FABRIC MUST BE SECURELY FASTENED TO THE POSTS USING A SYSTEM CONSISTING OF METAL FASTENERS (NAILS OR STAPLES) AND A HIGH STRENGTH REINFORCEMENT MATERIAL (NYLON OR POLYPROPYLENE). THE FASTENING SYSTEM SHALL BE PLACED IN THE POSTS AND THE GEOTEXTILE FABRIC. THE FASTENING SYSTEM SHALL RESIST TEARING AWAY FROM THE POST. THE FABRIC SHALL INCORPORATE A DRAWSTRING IN THE TOP PORTION OF THE FENCE FOR ADDED STRENGTH.
4. SEDIMENT SHALL BE REMOVED FROM THE UPSTREAM FACE OF THE BARRIER WHEN IT HAS REACHED A DEPTH OF 1/2 THE BARRIER HEIGHT.
5. REPAIR OR REPLACE BARRIER (FABRIC, POSTS, BALES, ETC.) WHEN DAMAGED.
6. BARRIERS SHALL BE INSPECTED DAILY FOR SIGNS OF DETERIORATION AND SEDIMENT REMOVAL.

NTS

1. INDIVIDUAL LOT ENTRANCE AND EGRESS - AFTER INTERIOR ROADWAYS ARE PAVED, INDIVIDUAL LOT INGRESS/EGRESS POINTS MAY REQUIRE A STABILIZED CONSTRUCTION ENTRANCE CONSISTING OF No. 3 STONE (1" TO 2") TO PREVENT OR MINIMIZE TRACKING OF SEDIMENTS. WIDTH OF THE STONE INGRESS/EGRESS SHALL BE EQUAL TO LOT ENTRANCE WIDTH AND SHALL BE A MINIMUM OF 10 FEET IN LENGTH.
2. TIRE WASHING - IF SPACE IS LIMITED, VEHICLE TIRES MAY BE WASHED WITH CLEAN WATER BEFORE ENTERING A PAVED AREA. A WASH STATION MUST BE LOCATED SUCH THAT WASH WATER WILL NOT FLOW ONTO PAVED ROADWAYS OR INTO UNPROTECTED STORM DRAINAGE SYSTEMS.
3. WHEN THE CONSTRUCTION ACCESS EXITS ONTO A MAJOR ROADWAY, A PAVED TRANSITION AREA MAY BE INSTALLED BETWEEN THE MAJOR ROADWAY AND THE STONED ENTRANCE TO PREVENT LOOSE STONES FROM BEING TRANSPORTED OUT ONTO THE ROADWAY BY HEAVY EQUIPMENT ENTERING OR LEAVING THE SITE.
4. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH 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 CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. PUBLIC DRIVEWAYS, SIDEWALKS OR TRAILERS ONTO ROADWAYS (PUBLIC OR PRIVATE) OR OTHER IMPERVIOUS SURFACES MUST BE REMOVED IMMEDIATELY.
5. WHERE ACCUMULATION 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 BLOCKED OFF.

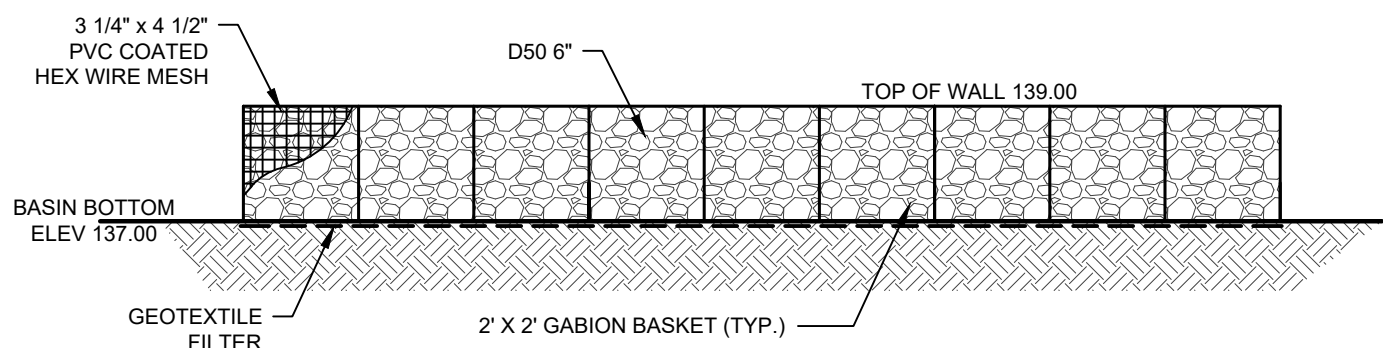


NTS



SEDIMENT BASIN CALCULATIONS	
1. TRAP EFFICIENCY MEHTOD	
C = TOTAL CAPACITY UP TO EMERGENCY SPILLWAY (Ac-Ft)	
I = AVERAGE SURFACE RUN-OFF	
I = 23 INCHES, CONVERT TO Ac-Ft	
STORM WATER BASIN	
C = 0.47 Ac-Ft. TO ELEV 139.50	
I = 23 INCHES x 1ft/12in x 0.47 Ac = 0.90 Ac-Ft	
ENTER CURVE 26-1 WITH 75%	
FIND REQUIRED C/I = 0.025	
PROVIDED C/I = 0.47/0.90 = 0.52 > 0.025 OK	
2. SEDIMENT STORAGE CAPACITY PLUS 2 YEAR STORM RUN-OFF VOLUME METHOD	
V=ACCUMULATED SEDIMENT IN ACRES FEET/ YEAR	
V= DA x A x DR x TE x 1/Y x 2,000 x 1/43,560	
A=50 TONS/ACRE/YEAR	
DR = 0.38	
TE = 0.70	
Y = 90 pcf	
V = 0.47 x 0.006	
V = 0.0002 Ac-Ft	

2. PROJECT DEVELOPER SHALL BE RESPONSIBLE FOR MAINTAINING THE SEDIMENT BASIN DURING THE LIFE OF THE PROJECT.



N.T.S.

[illegible]

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TE OF NEW JERSEY

11/11/11

GE37110



PROFESSIONAL ENGINEER



SITE PLAN AND VARIANCE

SOIL EROSION AND

SOIL EROSION AND SEDIMENT CONTROL

SEDIMENT CONTROL DETAILS

DETAILS

FOR

BLOCK 2507 - LOT 25

(REFERENCE TAX MAP SHEET No. 25)

TOWNSHIP OF JACKSON

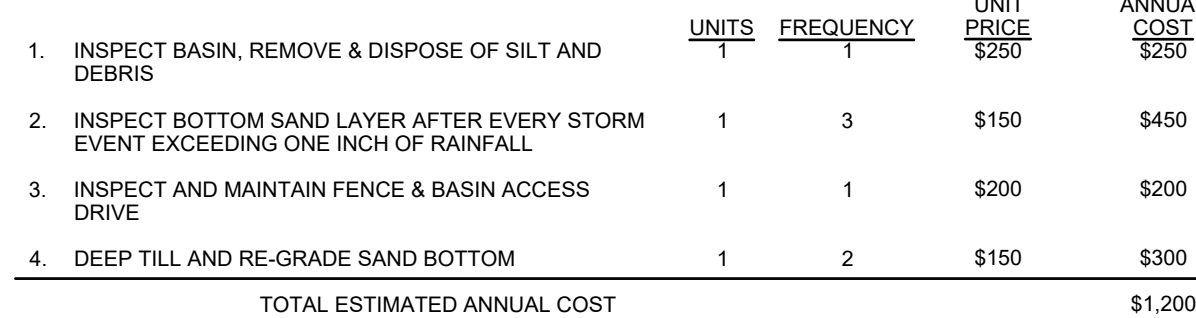
COUNTY NE

AS SHOWN	JOB NUMBER:
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BK	DATE:
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C'D BY: GJM SHEET: 9

Y: GJM



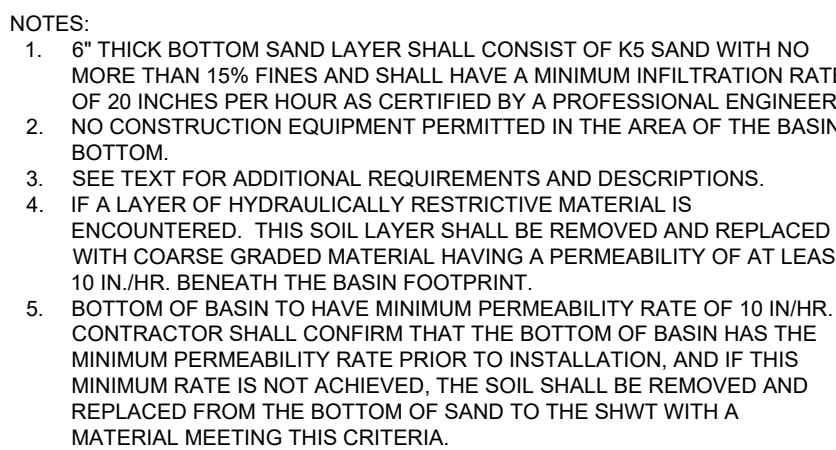
ACCESS: ALL STORMWATER MANAGEMENT MEASURES COMPONENTS MUST BE READILY ACCESSIBLE FOR INSPECTION AND MAINTENANCE. THEREFORE, ACCESS MUST BE PROVIDED TO THE ENTIRE STORMWATER MEASURE VIA DRIVEWAYS AND PATHS. TREES, SHRUBS, AND UNDERBUSH MUST BE PRUNED OR TRIMMED AS NECESSARY TO MAINTAIN THIS ACCESS. THIS INCLUDES PATHWAYS THROUGH THE VEGETATION ALONG PERMANENT POOL PERIMETERS, INCLUDING ACCESSIBLE BENCHES, TO ALLOW FOR THE INSPECTION AND CONTROL OF MOSQUITO.

BREEDING: INSPECTION AND MAINTENANCE EASEMENTS CONNECTED TO THE STREET OR RIGHT-OF-WAY SHOULD BE PROVIDED AROUND THE ENTIRE FACILITY. THE EXACT LIMITS OF THE EASEMENTS AND RIGHTS-OF-WAY SHOULD BE SPECIFIED ON THE PROJECT PLANS AND INCLUDED IN THE MAINTENANCE PLAN. ACCESS ROADS AND GRASSY SHOULD BE WIDE ENOUGH TO ALLOW ACCESS OF NECESSARY MAINTENANCE VEHICLES AND EQUIPMENT, INCLUDING TRUCKS, BACKHOES, GRASS MOWERS, AND MOSQUITO CONTROL EQUIPMENT. IN GENERAL, A MINIMUM ACCESS ROADWAY WIDTH OF 12 FEET INSIDE A MINIMUM RIGHT-OF-WAY WIDTH OF 15 FEET IS RECOMMENDED. TO FACILITATE ENTRY, A CURB SHOULD BE PROVIDED WHERE AN ACCESS ROAD MEETS.

A CURBED ROADWAY: TO ALLOW SAFE MOVEMENT OF MAINTENANCE VEHICLES, ACCESS RAMPS SHOULD BE PROVIDED TO THE SHORELINE OR BOTTOM OF ALL FACILITIES WITH SIDE SLOPES GREATER THAN 3 FEET IN HEIGHT. ACCESS RAMPS SHOULD NOT EXCEED 10 PERCENT IN GRADE AND SHOULD BE SUITABLY STABILIZED TO PREVENT DAMAGE BY VEHICLES AND EQUIPMENT. TURNAROUNDS SHOULD BE PROVIDED WHERE BACKING UP IS NECESSARY OR DANGEROUS TO EXPEDITE OVERVIEW MAINTENANCE. VEHICLE AND EQUIPMENT STAGING AREAS SHOULD BE PROVIDED AT OR NEAR EACH FACILITY SITE.

DISPOSAL:
COLLECTION AND DISPOSAL OF SEDIMENT, DEBRIS, AND TRASH FROM STORMWATER MANAGEMENT MEASURES MUST COMPLY WITH LOCAL, STATE, AND FEDERAL WASTE HANDLING AND DISPOSAL REGULATIONS. ALL COLLECTED MATERIAL MUST BE SENT TO APPROPRIATE DISPOSAL/RECYCLING FACILITIES

EMERGENCY MAINTENANCE:
EMERGENCY MAINTENANCE AND REPAIRS MUST BE PERFORMED IN A TIMELY MANNER.



D. OTHER MAINTENANCE CRITERIA:
THE OPERATION AND MAINTENANCE PLAN MUST INDICATE THE APPROXIMATE TIME THAT THE SYSTEM WOULD NORMALLY TAKE TO COMPLETELY DRAIN THE STORMWATER QUALITY DESIGN STORM RUNOFF VOLUME, THIS NORMAL DRAIN TIME SHOULD THEN BE USED TO EVALUATE THE SYSTEM'S ACTUAL PERFORMANCE. IF SIGNIFICANT INCREASES OR DECREASES IN THE DRAIN TIME ARE OBSERVED, THE SYSTEM'S OUTLET STRUCTURE, UNDERDRAIN SYSTEM, AND BOTH GROUNDWATER AND TAILWATER LEVELS MUST BE EVALUATED AND APPROPRIATE MEASURES TAKEN TO COMPLY WITH THE MAXIMUM DRAIN TIME REQUIREMENTS AND MAINTAIN THE PROPER FUNCTIONING OF THE BASIN.

D. OTHER MAINTENANCE CRITERIA:
THE OPERATION AND MAINTENANCE PLAN MUST INCLUDE THE APPROXIMATE TIME THAT THE BASIN WOULD NORMALLY TAKE TO DRAIN THE STORMWATER SURFACE DESIGN STORAGE CAPACITY. THE TIME TO DRAIN THE STORAGE CAPACITY, THIS NORMAL DRAIN OR DRAWDOWN TIME SHOULD THEN BE USED TO EVALUATE THE BASIN'S ACTUAL PERFORMANCE. IF SIGNIFICANT INCREASES OR DECREASES IN THE DRAIN RATE ARE OBSERVED, THE BASIN'S BOTTOM OR SURFACE, SUBSOIL, OR CLOSURE OF THE DRAINAGE OR INFILTRATION LINES, MUST BE EVALUATED AND APPROPRIATE MEASURES TAKEN TO COMPLY WITH THE MAXIMUM DRAIN TIME REQUIREMENTS AND MAINTAIN THE PROPER FUNCTIONING OF THE BASIN. THIS APPLIES TO BOTH SURFACE INFILTRATION BASINS. THE BOTTOM SAND LAYER IN A SURFACE INFILTRATION BASIN SHOULD BE INSPECTED AT LEAST ONCE A YEAR AFTER EACH YEAR OF RAINFALL EXCEEDING ONE INCH OF RAINFALL. THE PERMEABILITY RATE OF THE SOIL BELOW THE BASIN MAY ALSO BE RETESTED PERIODICALLY. IF THE WATER FALLS TO INFILTRATE 72 HOURS AFTER THE END OF THE STORM, CORRECTIVE MEASURES MUST BE TAKEN TO IMPROVE THE INFILTRATION CAPACITY OR ASSIST IN MAINTAINING INFILTRATION CAPACITY AND BREAK UP CLOGGED SURFACES.

[illegible]

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STATE OF NEW JERSEY
MAY 19 1964

4/15/1971

GE37110



SITE PLAN AND VARIANCE

STORMWATER

STORMWATER MAINTENANCE PLAN

MAINTENANCE PLAN

FOR

BLOCK 2507 - LOT 25

(REFERENCE TAX MAP SHEET No. 25)

TOWNSHIP OF JACKSON

1" = 40' JOB NUMBER:

BK	DATE:
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C'D BY:	GJM	SHEET:	10
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Y:	GJM
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