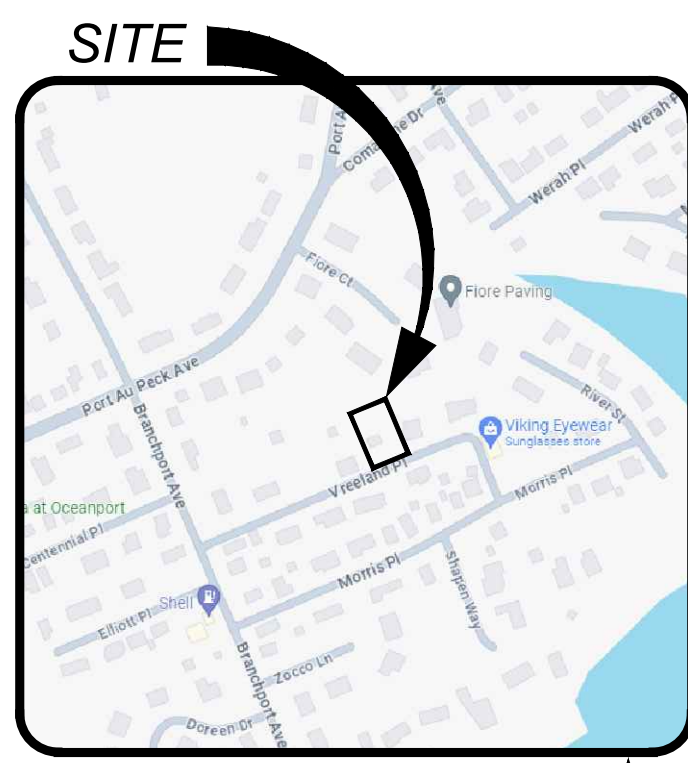
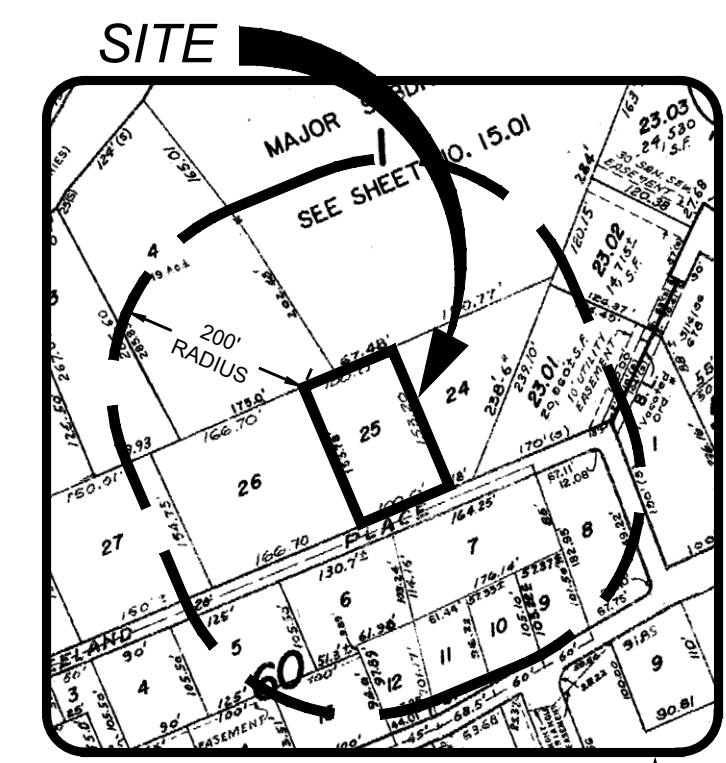
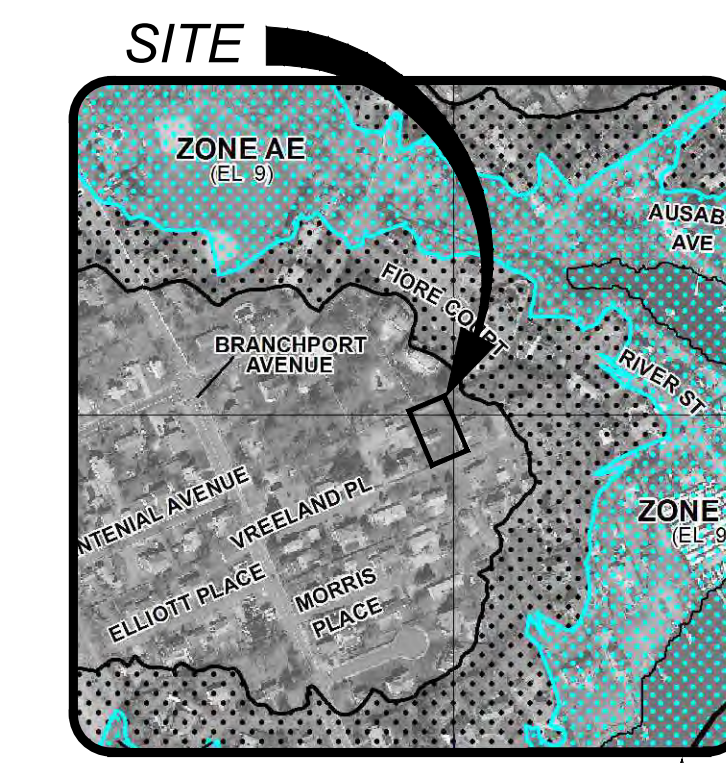




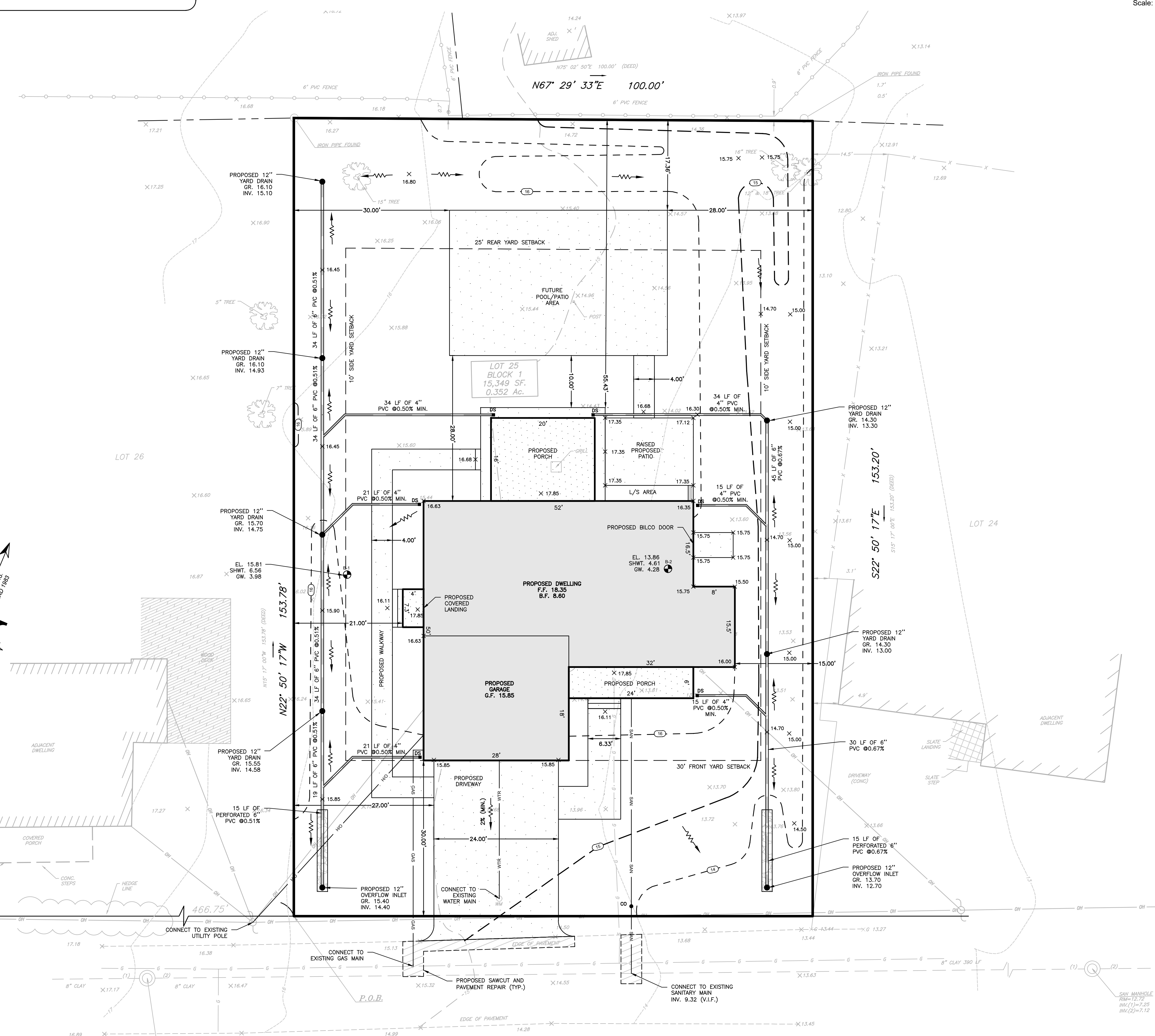




**BUILDING HEIGHT COMPLIANCE PER MUNICIPAL ORDINANCE**  
NTS



**PROJECT INFORMATION**  
PROJECT NAME: 23 VRELAND PLACE  
PROJECT LOCATION: BLOCK 1, LOT 25, 23 VRELAND PLACE, BOROUGH OF OCEANPORT, MONMOUTH COUNTY, NJ  
OWNER: KSK-OP-23 LLC, 2123 EVERGREEN LANE, POINT PLEASANT, NJ 08742  
ARCHITECT: FRANK JOSEPH BELL ARCHITECT LLC, 39 QUAKERTOWN ROAD, PITTSFORD, NJ 08867  
SURVEYOR: INSITE SURVEYING, LLC, 1955 ROUTE 34, SUITE 1A, WALL, NJ 07719  
GEO TECH: ANS CONSULTANTS, INC., 4405 SOUTH CLINTON AVENUE, SOUTH PLAINFIELD, NJ 07080



**GENERAL NOTES**

- SUBJECT PROPERTY**  
TAX MAP 15.01; BLOCK 1, LOT 25, 23 VRELAND PLACE, BOROUGH OF OCEANPORT, MONMOUTH COUNTY, NEW JERSEY
- OWNER / APPLICANT**  
KSK-OP-23 LLC, 2123 EVERGREEN LANE, POINT PLEASANT, NJ 08742
- PURPOSE OF THIS PLAN SET**  
THIS PLAN SET HAS BEEN PREPARED TO SUPPORT AN APPLICATION TO THE MUNICIPALITY (FOR ENGINEERING AND ZONING APPROVAL) AND TO SUPPORT AN APPLICATION TO FREEHOLD SOIL CONSERVATION DISTRICT (FOR PLAN CERTIFICATION).
- SURVEY DATA**  
SURVEY INFORMATION CONTAINED HEREON IS BASED ON A FIELD SURVEY PERFORMED BY INSITE SURVEYING, LLC, ENTITLED "BOUNDARY & TOPOGRAPHIC SURVEY OF BLOCK 1, LOT 25, 23 VRELAND PLACE," WITH THE LATEST REVISION BEING DATED 08/22/23. A SIGNED AND SEALED COPY OF THIS SURVEY SHALL ALWAYS ACCOMPANY THIS SITE PLAN AS AN INDEPENDENT SHEET. TOPOGRAPHIC INFORMATION ON THE SURVEY REFERENCES THE NAVD88 VERTICAL DATUM.
- ARCHITECTURAL INFORMATION**  
ARCHITECTURAL INFORMATION CONTAINED HEREON IS BASED ON PLANS PREPARED BY FRANK JOSEPH BELL ARCHITECT LLC, ENTITLED "NEW HOUSE FOR KSK-OP-23 LLC," WITH THE LATEST REVISION BEING DATED 03/01/24.
- GEO TECHNICAL INFORMATION**  
GEO TECHNICAL INFORMATION CONTAINED HEREON IS BASED ON A REPORT PREPARED BY ANS CONSULTANTS, INC., ENTITLED "SUBSURFACE SOIL INVESTIGATION & REPORT" DATED 11/14/23.
- BASE FLOOD ELEVATION**  
ACCORDING TO FEMA'S EFFECTIVE FIRM ENTITLED "FIRM - FLOOD INSURANCE RATE MAP (FIRM), MONMOUTH COUNTY, NEW JERSEY (ALL JURISDICTIONS)," COMMUNITY PANEL #340200184H, DATED 06/19/22, THE SITE IS LOCATED IN ZONE X, WITH NO BASE FLOOD ELEVATION. ACCORDING TO FEMA'S CURRENT PRELIMINARY FIRM ENTITLED "PRELIMINARY FLOOD INSURANCE RATE MAP (FIRM), COMMUNITY PANEL #340200184H, DATED 01/31/14, THE SITE IS LOCATED IN ZONE X, WITH NO BASE FLOOD ELEVATION. BOTH FEMA MAPS REFERENCE THE NAVD88 VERTICAL DATUM.
- CONSTRUCTION STAKEOUT**  
SPECIAL CARE SHALL BE TAKEN DURING STAKEOUT AND CONSTRUCTION TO ADHERE TO THE LOCATION OF THE PROPOSED STRUCTURE AND SITE IMPROVEMENTS. THE BUILDING TIES ARE TO THE FOUNDATION.
- UNDERGROUND UTILITIES NOTIFICATION**  
FOR ANY EXCAVATION IN NEW JERSEY, THE CONTRACTOR SHALL CALL PLANT LOCATION SERVICE AT 1-800-272-1000 FOR A MARKOUT REQUEST NO LESS THAN THREE (3) WORKING DAYS PRIOR TO STARTING ANY EXCAVATION.
- VERIFICATION OF UTILITIES**  
EXISTING UTILITIES SHOWN ON THIS SITE PLAN ARE APPROXIMATE PER THE REFERENCED SURVEY. THE CONTRACTOR SHALL PERFORM SAMPLE TEST PITS TO DETERMINE EXACT LOCATIONS. ALL EXISTING UTILITIES TO REMAIN AND BE UTILIZED. THE CONTRACTOR SHALL CONFIRM ADEQUACY AND CONDITION OF ALL EXISTING UTILITIES.
- SPECIFICATIONS**  
UNLESS OTHERWISE NOTED HEREON, ALL SITE WORK SHALL BE CARRIED OUT IN CONFORMANCE WITH THE PROVISIONS OF THE "NEW JERSEY DEPARTMENT OF TRANSPORTATION (NJDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION," LATEST EDITION.
- LIMIT OF DISTURBANCE**  
PRIOR TO THE START OF SITE WORK, THE LIMIT OF DISTURBANCE SHALL BE DELINEATED WITH SNOW FENCING OR OTHER APPROPRIATE MARKERS.
- RESTORATION**  
ALL AREAS DISTURBED DURING THE COURSE OF CONSTRUCTION SHALL BE RESTORED "IN-KIND" AS NEARLY AS PRACTICAL TO THEIR ORIGINAL STATE. AREAS WHERE SOIL IS LEFT EXPOSED SHALL BE GRADED, RAKED SMOOTH AND SEEDED IMMEDIATELY UPON COMPLETION OF SOIL DISTURBANCE.
- POOL COMPLIANT FENCE**  
IF WHEN A POOL IS PROPOSED AND INSTALLED, THE APPLICANT SHALL PROVIDE A COMPLIANT POOL FENCE AND GATE IN ACCORDANCE WITH THE MUNICIPAL ORDINANCE, THE 2018 INTERNATIONAL SWIMMING POOL AND SPA CODE (ISPS), AND ALL APPLICABLE CODES.

**BRANCHPORT AVENUE**  
(R.O.W. VARIES)  
(A.K.A. COUNTY ROUTE 29)

SCALE: 1" = 10'

**LEGEND**

EXISTING	PROPOSED
BOUNDARY LINE	BOUNDARY LINE
CONTOUR LINE	CONTOUR LINE
SPOT ELEVATION	SPOT ELEVATION
BUILDING	BUILDING
WALL	WALL
GAS	GAS
WATER	WATER
INLET	INLET
STORM	STORM
SANITARY MAIN	SANITARY MAIN
SANITARY LATERAL	SANITARY LATERAL
OVERHEAD WIRE	OVERHEAD WIRE
ELECTRIC	ELECTRIC
TELEPHONE	TELEPHONE
UTILITY POLE	UTILITY POLE
HYDRANT	HYDRANT
SIGN POST	SIGN POST
FENCE	FENCE
LIGHT FIXTURE	LIGHT FIXTURE
TEST PIT LOCATION	TEST PIT LOCATION
GRADE FLOW ARROW	GRADE FLOW ARROW
SWALE CENTER LINE	SWALE CENTER LINE

S67° 09' 43" W 100.00'  
**VRELAND PLACE (20' R.O.W.)**  
(17' WIDE BIT. CONC.)

**ZONING COMPLIANCE CHART**  
R-3 (SINGLE-FAMILY RESIDENTIAL) DISTRICT  
SINGLE FAMILY DETACHED DWELLING - PERMITTED

ORD SECTION	STANDARD	REQUIRED	EXISTING	PROPOSED	COMPLIES
390 ATTACH 2	MIN. LOT AREA (SF)	12,000	15,349 (0.352 AC.)	NO CHANGE	YES
390 ATTACH 2	MIN. LOT WIDTH (FT)	120	100.00 (N)	NO CHANGE	NO (N)
390 ATTACH 2	MIN. LOT DEPTH (FT)	100	153.20	NO CHANGE	YES
<b>PRINCIPAL BUILDING</b>					
390 ATTACH 2	MIN. FRONT YARD SETBACK (FT)	30	56.3	30.00	YES
390 ATTACH 2	MIN. REAR YARD SETBACK (FT)	25	76.5	55.43	YES
390 ATTACH 2	MIN. SIDE YARD SETBACK (FT)	10	24.8	15.00	YES
390 ATTACH 2	ONE SIDE (FT)	10	24.8	15.00	YES
390 ATTACH 2	BOTH SIDES (FT)	25	69.7	36.00	YES
390 ATTACH 2	MAX. BUILDING HEIGHT (FT)	35	(a)	34.63	YES
390 ATTACH 2	MAX. BUILDING HEIGHT (FT)	2.5	1	2.5	YES
<b>ACCESSORY BUILDING - SHED 1</b>					
390 ATTACH 2	ALLOWABLE LOCATION	SIDE/REAR	REAR	N/A	YES
390 ATTACH 2	MIN. REAR YARD SETBACK (FT)	5	8.0	N/A	YES
390 ATTACH 2	MIN. SIDE YARD SETBACK (FT)	10	35.4	N/A	YES
390-190	MAX. BUILDING HEIGHT (FT)	15	(a)	N/A	YES
<b>ACCESSORY BUILDING - SHED 2</b>					
390 ATTACH 2	ALLOWABLE LOCATION	SIDE/REAR	REAR	N/A	YES
390 ATTACH 2	MIN. REAR YARD SETBACK (FT)	5	8.2	N/A	YES
390 ATTACH 2	MIN. SIDE YARD SETBACK (FT)	10	35.4	N/A	YES
390-190	MAX. BUILDING HEIGHT (FT)	15	(a)	N/A	YES
<b>SWIMMING POOL</b>					
390-31-E	ALLOWABLE YARD LOCATION	SIDE/REAR	N/A	REAR	YES
390-31-G	MIN. REAR YARD SETBACK (FT)	10	N/A	17.36	YES
390-31-G	MIN. SIDE YARD SETBACK (FT)	10	N/A	28.00	YES
390-31-E	MIN. SETBACK TO DWELLING (FT)	10	N/A	16.00	YES
390-26A	MIN. SIDE YARD SETBACK (FT)	5	N/A	27.00	YES
390-26B	MAX. WIDTH (FT)	24	N/A	24.00	YES
390-26D	MAX. NUMBER OF DRIVEWAYS PERMITTED	1	N/A	1	YES
<b>LOT COVERAGE</b>					
390 ATTACH 2	MAX. PRINCIPAL BUILDING COVERAGE (%)	25	3.84	14.93	YES
390 ATTACH 2	MAX. IMPERVIOUS COVERAGE (%)	37	6.33	36.93	YES
390 ATTACH 2	MAX. DWELLINGS PER ACRE	3.7	2.84	NO CHANGE	YES

**LOT COVERAGE CALCULATIONS**

ITEM	PROPOSED SF
DWELLING	1,620
GARAGE	672
FRONT & SIDE PORCH	173
BACK PORCH	320
FRONT WALK	183
DRIVEWAY	720
SIDE WALK / STEPS	384
PATIO WALK	394
POOL / POOL PATIO	1,176
BILCO DOOR	37
TOTAL	5,669

**REVISIONS**

REV #	DATE	DESCRIPTION
1	05/21/24	REV PER CHECKLIST
2	05/21/24	REV PER CHECKLIST
3	05/21/24	REV PER CHECKLIST

SCALE: AS SHOWN DESIGNED BY: PRW  
DATE: 01/15/24 DRAWN BY: NLC  
JOB #: 23-2171-01 CHECKED BY: PRW  
CAD: 23-2171-012  
**NOT FOR CONSTRUCTION**  
APPROVED BY: [Signature]  
**PLAN INFORMATION**  
DRAWING TITLE: PLOT PLAN  
SHEET TITLE: PLAN  
SHEET NO.: 2 of 6

**INSITE**  
Engineering • Surveying • Planning

INSITE Engineering, LLC  
CERTIFICATE OF AUTHORIZATION: 246248083200  
1955 ROUTE 34, SUITE 1A, WALL, NJ 07719  
732-531-7100 (PH) 732-531-7244 (FAX)  
insite@insiteeng.net www.insiteeng.net

LICENSED IN: NEW JERSEY, NEW YORK, PENNSYLVANIA  
GEORGINA, CONNECTICUT, NORTH CAROLINA,  
COLORADO, & DISTRICT OF COLUMBIA

CAUTION: IF THIS DOCUMENT DOES NOT CONTAIN THE SIGNATURE AND SEAL OF THE PROFESSIONAL ENGINEER, IT IS NOT AN ORIGINAL.

**PATRICK B. WARD, PE, PP**  
PROFESSIONAL ENGINEER, PLANNER  
N.J.P.E. 2465057900 N.J.P.P. 231.00626800

File: N:\23-2171-01 - 23 Vreland Place, Oceanport, NJ\23-2171-01-PlanSet.dwg -- 02-08-2024  
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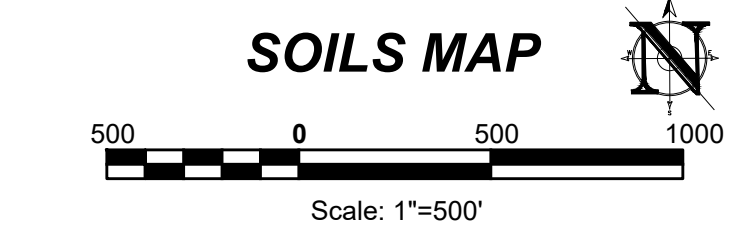
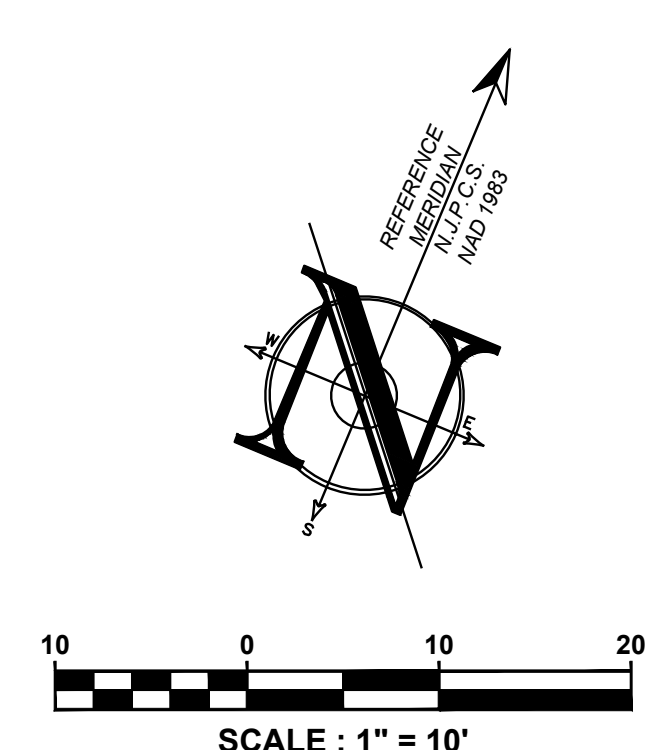
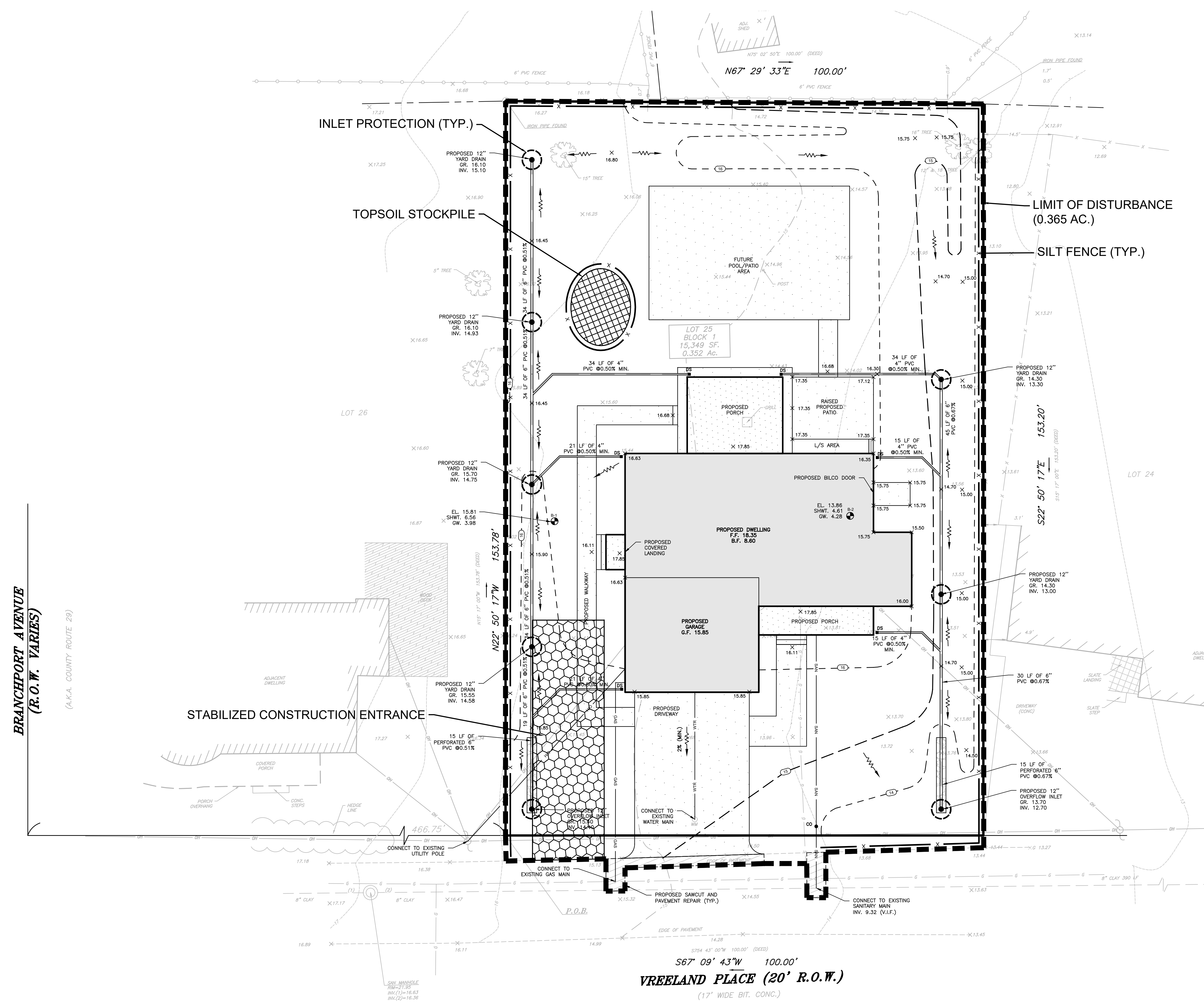


Table with 3 columns: MAP UNIT SYMBOL, MAP UNIT NAME, RATING. Row 1: FrC, FREEHOLD-URBAN LAND COMPLEX, 0 TO 10 PERCENT SLOPE, B.



LEGEND table listing symbols for existing and proposed features: Boundary Line, Contour Line, Spot Elevation, Building, Wall, Gas, Water, Inlet, Storm, Sanitary Main, Sanitary Lateral, Overhead Wire, Electric, Telephone, Utility Pole, Hydrant, Sign Post, Fence, Light Fixture, Test Pit Location, Grade Flow Arrow, Swale Center Line.

SOIL EROSION LEGEND table listing symbols for Limit of Disturbance, Silty Fence, Inlet Protection, Proposed Tree Protection, Soil Compaction Test Location, Stabilized Construction Entrance, Rip-rap Apron, Scour Hole, Soil Restoration Area.

CONSTRUCTION / SPPP NOTE: THIS PLAN WAS PREPARED TO ADDRESS THE SOIL EROSION AND SEDIMENT CONTROL COMPONENT OF THE STORMWATER POLLUTION PREVENTION PLAN (SPPP) AT THE TIME OF DESIGN ONLY...

SOIL RESTORATION EXEMPTION: AS DETERMINED BY THE STATE POLICY MAP, THE PROJECT AREA FALLS WITHIN AN AREA OF 'URBAN REDEVELOPMENT' AND IS CONSIDERED 'PREVIOUSLY DEVELOPED' AS DEFINED BY THE NJDEP...

REVISIONS table with columns: Rev #, Date, Description. Includes a section for PLAN INFORMATION with fields for SHEET TITLE (SOIL EROSION & SEDIMENT CONTROL PLAN) and SHEET NO. (4 of 6).



**SOIL EROSION AND SEDIMENT CONTROL NOTES**

- 1. THE DISTRICT SHALL BE NOTIFIED FORTY-EIGHT (48) HOURS IN ADVANCE OF ANY SOIL DISTURBING ACTIVITY.
2. ALL SOIL EROSION AND SEDIMENT CONTROL PRACTICES ARE TO BE INSTALLED PRIOR TO SOIL DISTURBANCE.
3. ANY CHANGES TO THE CERTIFIED SOIL EROSION AND SEDIMENT CONTROL PLANS WILL REQUIRE THE SUBMISSION OF REVISED SOIL EROSION AND SEDIMENT CONTROL PLANS TO THE DISTRICT FOR RE-CERTIFICATION.
4. N.J.A.C. 24-24.91 ET SEQ. REQUIRES THAT NO CERTIFICATES OF OCCUPANCY BE ISSUED BEFORE THE DISTRICT DETERMINES THAT A PROJECT OR PORTION THEREOF IS IN FULL COMPLIANCE WITH THE CERTIFIED PLAN AND STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL.
5. ANY DISTURBED AREAS THAT WILL BE LEFT EXPOSED MORE THAN SIXTY (60) DAYS, AND NOT SUBJECT TO CONSTRUCTION TRAFFIC, WILL IMMEDIATELY RECEIVE A TEMPORARY SEEDING.
6. IMMEDIATELY FOLLOWING INITIAL DISTURBANCE OR ROUGH GRADING, ALL CRITICAL AREAS SUBJECT TO EROSION (I.E. STOCKPILES, STEEP SLOPES AND ROADWAY EMBANKMENTS) WILL RECEIVE TEMPORARY SEEDING IN COMBINATION WITH STRAW MULCH OR A SUITABLE EQUIVALENT.
7. A SUB-BASE COURSE WILL BE APPLIED IMMEDIATELY FOLLOWING ROUGH GRADING AND INSTALLATION OF IMPROVEMENTS TO STABILIZE STREETS, ROADS, DRIVEWAYS, AND PARKING AREAS.
8. THE STANDARD FOR STABILIZED CONSTRUCTION ACCESS REQUIRES THE INSTALLATION OF A PAD OF CLEAN CRUSHED STONE AT POINTS WHERE TRAFFIC WILL BE ACCESSING THE CONSTRUCTION SITE.
9. ALL SOIL WASHED, DROPPED, SPILLED, OR TRACKED OUTSIDE THE LIMIT OF DISTURBANCE OR ONTO PUBLIC RIGHT-OF-WAYS WILL BE REMOVED IMMEDIATELY.
10. PERMANENT VEGETATION IS TO BE SEEDED OR SODDED ON ALL EXPOSED AREAS WITHIN TEN (10) DAYS AFTER FINAL GRADING.
11. AT THE TIME THAT SITE PREPARATION FOR PERMANENT VEGETATIVE STABILIZATION IS GOING TO BE ACCOMPLISHED, ANY SOIL THAT WILL NOT PROVIDE A SUITABLE ENVIRONMENT TO SUPPORT ADEQUATE VEGETATIVE GROUND COVER SHALL BE REMOVED OR TREATED IN SUCH A WAY THAT IT WILL PERMANENTLY ADJUST THE SOIL CONDITIONS AND RENDER IT SUITABLE FOR VEGETATIVE GROUND COVER.
12. IN ACCORDANCE WITH THE STANDARD FOR MANAGEMENT OF HIGH ACID PRODUCING SOILS, ANY SOIL HAVING A PH OF 4.0 OR LESS OR CONTAINING RUST SULPHIDES SHALL BE ULTIMATELY PLACED OR BURIED WITH LIMESTONE APPLIED AT THE RATE OF 10 TONS/ACRE.
13. CONDUIT OUTLET PROTECTION MUST BE INSTALLED AT ALL REQUIRED OUTFALLS PRIOR TO THE DRAINAGE SYSTEM BECOMING OPERATIONAL.
14. UNFILTERED DETAHERING IS NOT PERMITTED. NECESSARY PRECAUTIONS MUST BE TAKEN DURING ALL DETAHERING OPERATIONS TO MINIMIZE SEDIMENT TRANSFER.
15. SHOULD THE CONTROL OF DUST AT THE SITE BE NECESSARY, THE SITE WILL BE SPRINKLED UNTIL THE SURFACE IS WET, TEMPORARY VEGETATIVE COVER SHALL BE ESTABLISHED OR MULCH SHALL BE APPLIED AS REQUIRED BY THE STANDARD FOR DUST CONTROL.
16. STOCKPILE AND STAGING LOCATIONS ESTABLISHED IN THE FIELD SHALL BE PLACED WITHIN THE LIMIT OF DISTURBANCE ACCORDING TO THE CERTIFIED PLAN. STAGING AND STOCKPILES NOT LOCATED WITHIN THE LIMIT OF DISTURBANCE WILL REQUIRE CERTIFICATION OF A REVISED SOIL EROSION AND SEDIMENT CONTROL PLAN.
17. ALL SOIL STOCKPILES ARE TO BE TEMPORARILY STABILIZED IN ACCORDANCE WITH SOIL EROSION AND SEDIMENT CONTROL NOTE #6.
18. THE PROPERTY OWNER SHALL BE RESPONSIBLE FOR ANY EROSION OR SEDIMENTATION THAT MAY OCCUR BELOW STORMWATER OUTFALLS OR OFFSITE AS A RESULT OF CONSTRUCTION OF THE PROJECT.

**PERMANENT VEGETATIVE COVER FOR SOIL STABILIZATION**

- 1. SITE PREPARATION
A. GRADE AS NEEDED AND FEASIBLE TO PERMIT THE USE OF CONVENTIONAL EQUIPMENT FOR SEEDBED PREPARATION, SEEDING, MULCH APPLICATION, AND MULCH ANCHORING.
B. IMMEDIATELY PRIOR TO SEEDING AND TOPSOIL APPLICATION, THE SUBSOIL SHALL BE EVALUATED FOR COMPACTION.
C. TOPSOIL SHOULD BE HANDLED ONLY WHEN IT IS DRY ENOUGH TO WORK WITHOUT DAMAGING THE SOIL STRUCTURE.
D. INSTALL NEEDED EROSION CONTROL PRACTICES OR FACILITIES SUCH AS DIVERSIONS, GRADE STABILIZATION STRUCTURES, CHANNEL STABILIZATION MEASURES, SEDIMENT BASINS, AND WATERWAYS.
2. SEEDBED PREPARATION
A. UNIFORMLY APPLY GRADE LIMESTONE AND FERTILIZER TO TOPSOIL WHICH HAS BEEN SPREAD AND FIRMED.
B. WORK LINE AND FERTILIZER INTO THE SOIL AS NEARLY AS PRACTICAL TO A DEPTH OF 4 INCHES WITH A DISC.
C. HIGH ACID PRODUCING SOILS HAVING A PH OF 4.0 OR LESS OR CONTAINING RUST SULPHIDES SHALL BE COVERED WITH A MINIMUM OF 12 INCHES OF SOIL HAVING A PH OF 5.0 OR MORE BEFORE INITIATING SEEDBED PREPARATION.
3. SEEDING
A. SEED GERMINATION SHALL HAVE BEEN TESTED WITHIN 12 MONTHS OF THE PLANTING DATE.
B. SEEDING MIXTURE #13 FOR LAWN AREAS
C. SEED MIXTURE #7 FOR BASIN, SIDE SLOPES, AND SWALES
D. STRONG CREEPING RED FESCUE
E. KENTUCKY BLUEGRASS
F. PLUS WHITE CLOVER
G. ACCEPTABLE SEEDING DATES: 3/1-4/30 AND 5/1-8/14
H. SEEDING MIXTURE #13 FOR LAWN AREAS
I. SEED MIXTURE #7 FOR BASIN, SIDE SLOPES, AND SWALES
J. STRONG CREEPING RED FESCUE
K. KENTUCKY BLUEGRASS
L. PLUS WHITE CLOVER
M. ACCEPTABLE SEEDING DATES: 3/1-4/30 AND 5/1-8/14
N. SEEDING MIXTURE #13 FOR LAWN AREAS
O. SEED MIXTURE #7 FOR BASIN, SIDE SLOPES, AND SWALES
P. STRONG CREEPING RED FESCUE
Q. KENTUCKY BLUEGRASS
R. PLUS WHITE CLOVER
S. ACCEPTABLE SEEDING DATES: 3/1-4/30 AND 5/1-8/14
T. SEEDING MIXTURE #13 FOR LAWN AREAS
U. SEED MIXTURE #7 FOR BASIN, SIDE SLOPES, AND SWALES
V. STRONG CREEPING RED FESCUE
W. KENTUCKY BLUEGRASS
X. PLUS WHITE CLOVER
Y. ACCEPTABLE SEEDING DATES: 3/1-4/30 AND 5/1-8/14
Z. SEEDING MIXTURE #13 FOR LAWN AREAS

**STANDARD FOR DUST CONTROL**

- DEFINITION: THE CONTROL OF DUST ON CONSTRUCTION SITES AND ROADS.
PURPOSE: TO PREVENT BLOWING AND MOVEMENT OF DUST FROM EXPOSED SOIL SURFACES.
CONDITION WHERE PRACTICE APPLIES: THIS PRACTICE IS APPLICABLE TO AREAS SUBJECT TO DUST BLOWING AND MOVEMENT.
WATER QUALITY ENHANCEMENT: SEDIMENTS DEPOSITED AS 'DUST' ARE OFTEN FINE COLLOIDAL MATERIAL.
PLANNING CRITERIA: THE FOLLOWING METHODS SHOULD BE CONSIDERED FOR CONTROLLING DUST:
MULCHES - SEE STANDARD OF STABILIZATION WITH MULCHES ONLY, PG. 5-1
VEGETATIVE COVER - SEE STANDARD FOR TEMPORARY VEGETATIVE COVER, PG. 7-1
SPRAY ON ADHESIVE - ON MINERAL SOILS (NOT EFFECTIVE ON MUCK SOILS), KEEP TRAFFIC OFF THESE AREAS.

Table with 4 columns: MATERIALS, WATER DILUTION, TYPE OF NOZZLE, APPLY GALLONS/ACRE. Rows include ANIONIC ASPHALT EMULSION, LATEX EMULSION, REGION IN WATER, POLYACRYLAMIDE (PAM) - SPRAY ON, POLYACRYLAMIDE (PAM) - DRY SPRAY, and ACIDULATED SOY BEAN SOAP STICK.

**TEMPORARY VEGETATIVE COVER FOR SOIL STABILIZATION**

- 1. SITE PREPARATION
A. GRADE AS NEEDED AND FEASIBLE TO PERMIT THE USE OF CONVENTIONAL EQUIPMENT FOR SEEDBED PREPARATION, SEEDING, MULCH APPLICATION, AND MULCH ANCHORING.
B. IMMEDIATELY PRIOR TO SEEDING, THE SURFACE SHOULD BE SCARIFIED 0" TO 12" WHERE THERE HAS BEEN SOIL COMPACTION.
2. SEEDBED PREPARATION
A. APPLY GRADE LIMESTONE AND FERTILIZER ACCORDING TO SOIL TEST RECOMMENDATIONS.
B. WORK LINE AND FERTILIZER INTO THE SOIL AS NEARLY AS PRACTICAL TO A DEPTH OF 4 INCHES WITH A DISC.
C. INSPECT SEEDBED JUST BEFORE SEEDING.
D. SOILS HIGH IN SULPHIDES OR HAVING A PH OF 4.0 OR LESS REFER TO STANDARD FOR MANAGEMENT OF HIGH ACID PRODUCING SOILS, PG. 1-1.
3. SEEDING
A. TEMPORARY VEGETATIVE SEEDING COVER SHALL CONSIST OF PERENNIAL RYEGRASS APPLIED UNIFORMLY AT A RATE OF 1 POUND PER 1,000 SF (100 LBS/AC).
B. CONVENTIONAL SEEDING: APPLY SEED UNIFORMLY BY HAND, CYCLONE (CENTRIFUGAL) SEEDER, DROP SEEDER, DRILL OR CULTIVATOR SEEDER.
C. HYDROSEEDING IS A BROADCAST SEEDING METHOD USUALLY INVOLVING A TRUCK OR TRAILER MOUNTED TANK.
D. AFTER SEEDING, FIRING THE SOIL WITH A CORRUGATED ROLLER WILL ASSURE GOOD SEED-TO-SOIL CONTACT.
4. MULCHING
A. STRAW OR HAY UNROTTED SMALL GRAIN STRAW, HAY FREE OF SEEDS, APPLIED AT THE RATE OF 1-1/2 TO 2 TONS PER ACRE.
B. MULCH NETTINGS - STAPLE PAPER, JUTE, COTTON, OR PLASTIC NETTINGS TO THE SOIL SURFACE.
C. CRIMPER (MULCH ANCHORING TOOL).
D. LIQUID MULCH-BINDERS - MAY BE USED TO ANCHOR HAY OR STRAW MULCH.

- TILLAGE: TO ROUGHEN SURFACE AND BRING CLOSE TO THE SURFACE.
SPRINKLING - SITE IS SPRINKLED UNTIL THE SURFACE IS WET.
BARRIERS: SOLID BOARD FENCES, SNOW FENCES, BURLAP FENCES, CRATE WALLS.
CALCIUM CHLORIDE - SHALL BE IN THE FORM OF LOOSE, DRY GRANULES OR FLAKES.
SLOPE - COVER SURFACE WITH CRUSHED STONE OR COARSE GRAVEL.

**STANDARD FOR STABILIZATION WITH MULCH ONLY**

- DEFINITION: STABILIZING EXPOSED SOILS WITH NON-VEGETATIVE MATERIALS EXPOSED FOR PERIODS LONGER THAN 14 DAYS.
PURPOSE: TO PROTECT EXPOSED SOIL SURFACES FROM EROSION DAMAGE AND TO REDUCE OFFSITE ENVIRONMENTAL DAMAGE.
CONDITION WHERE PRACTICE APPLIES: THIS PRACTICE IS APPLICABLE TO AREAS SUBJECT TO DUST BLOWING AND MOVEMENT.
WATER QUALITY ENHANCEMENT: PROVIDES TEMPORARY MECHANICAL PROTECTION AGAINST WIND OR RAINFALL INDUCED SOIL EROSION.
WHERE APPLICABLE: THIS PRACTICE IS APPLICABLE TO AREAS SUBJECT TO EROSION.
METHODS AND MATERIALS:
1. SITE PREPARATION
A. GRADE AS NEEDED AND FEASIBLE TO PERMIT THE USE OF CONVENTIONAL EQUIPMENT FOR SEEDBED PREPARATION, SEEDING, MULCH APPLICATION, AND MULCH ANCHORING.
B. INSTALL NEEDED EROSION CONTROL PRACTICES OR FACILITIES SUCH AS DIVERSIONS, GRADE STABILIZATION STRUCTURES, CHANNEL STABILIZATION MEASURES, SEDIMENT BASINS, AND WATERWAYS.
C. SYNTHETIC OR ORGANIC SOIL STABILIZERS MAY BE USED UNDER SUITABLE CONDITIONS.
D. WOOD-FIBER OR PAPER-FIBER MULCH AT THE RATE OF 1,500 POUNDS PER ACRE.
E. MULCH NETTING, SUCH AS PAPER, JUTE, EXCELSIOR, COTTON, OR PLASTIC, MAY BE USED.
F. WOODCHIPS APPLIED UNIFORMLY TO A MINIMUM DEPTH OF 2 INCHES MAY BE USED.
G. GRAVEL, CRUSHED STONE, OR SLAG AT THE RATE OF 9 CUBIC YARDS PER 1,000 SQ. FT.
H. MULCH ANCHORING - SHOULD BE ACCOMPLISHED IMMEDIATELY AFTER PLACEMENT OF HAY OR STRAW MULCH.
I. APPLICATIONS SHOULD BE HEAVIER AT EDGES WHERE WIND MAY CATCH THE MULCH.
J. REMAINDER OF AREA SHOULD BE UNIFORM IN APPEARANCE.
K. USE ONE OF THE FOLLOWING:
a. ORGANIC AND VEGETABLE BASED BINDERS - NATURALLY OCCURRING, POWDER-BASED, HYDROPHILIC MATERIALS.
b. SYNTHETIC BINDERS - HIGH POLYMER SYNTHETIC EMULSION.
L. LIQUID MULCH-BINDERS
1. APPLICATIONS SHOULD BE HEAVIER AT EDGES WHERE WIND CATCHES THE MULCH.
2. REMAINDER OF AREA SHOULD BE UNIFORM IN APPEARANCE.
M. USE ONE OF THE FOLLOWING:
a. ORGANIC AND VEGETABLE BASED BINDERS - NATURALLY OCCURRING, POWDER BASED, HYDROPHILIC MATERIALS.
b. SYNTHETIC BINDERS - HIGH POLYMER SYNTHETIC EMULSION.

- APPLICATION, SPREAD MULCH UNIFORMLY BY HAND OR MECHANICALLY SO THAT APPROXIMATELY 90% OF THE SOIL SURFACE WILL BE COVERED.
ANCHORING SHALL BE ACCOMPLISHED IMMEDIATELY AFTER PLACEMENT TO MINIMIZE LOSS BY WIND OR WATER.
1. PEG AND TWINE - DRIVE 8 TO 10 INCH WOODEN PEGS TO WITHIN 2 TO 3 INCHES OF THE SOIL SURFACE EVERY 4 FEET IN ALL DIRECTIONS.
2. MULCH NETTINGS - STAPLE PAPER, JUTE, COTTON, OR PLASTIC NETTINGS TO THE SOIL SURFACE.
3. CRIMPER (MULCH ANCHORING TOOL).
4. LIQUID MULCH-BINDERS - MAY BE USED TO ANCHOR HAY OR STRAW MULCH.
a. APPLICATIONS SHOULD BE HEAVIER AT EDGES WHERE WIND MAY CATCH THE MULCH.
b. USE ONE OF THE FOLLOWING:
(1) ORGANIC AND VEGETABLE BASED BINDERS - NATURALLY OCCURRING, POWDER BASED, HYDROPHILIC MATERIALS.
(2) SYNTHETIC BINDERS - HIGH POLYMER SYNTHETIC EMULSION.
NOTE: ALL NAMES GIVEN ABOVE ARE REGISTERED TRADE NAMES. THIS DOES NOT CONSTITUTE A COMMENDATION OF THESE PRODUCTS TO THE EXCLUSION OF OTHER PRODUCTS.

- LIQUID MULCH-BINDERS - MAY BE USED TO ANCHOR HAY, HAY OR STRAW MULCH.
a. APPLICATIONS SHOULD BE HEAVIER AT EDGES WHERE WIND MAY CATCH THE MULCH, IN VALLEYS, AND AT CRESTS OF BANKS.
b. USE ONE OF THE FOLLOWING:
(1) ORGANIC AND VEGETABLE BASED BINDERS - NATURALLY OCCURRING, POWDER-BASED, HYDROPHILIC MATERIALS WHEN MIXED WITH WATER FORMULATES A GEL AND WHEN APPLIED TO MULCH UNDER SATISFACTORY CURING CONDITIONS WILL FORM MEMBRANED NETWORKS OF INSOLUBLE POLYMERS.
(2) SYNTHETIC BINDERS - HIGH POLYMER SYNTHETIC EMULSION.
NOTE: ALL NAMES GIVEN ABOVE ARE REGISTERED TRADE NAMES. THIS DOES NOT CONSTITUTE A COMMENDATION OF THESE PRODUCTS TO THE EXCLUSION OF OTHER PRODUCTS.

**STANDARD FOR TOPSOILING**

- 1. MATERIALS
A. TOPSOIL SHOULD BE FRIABLE (LOAMY), FREE OF DEBRIS, OBJECTIONABLE WEEDS AND STONES, AND CONTAIN NO TOXIC SUBSTANCE OR ADVERSE CHEMICAL OR PHYSICAL CONDITION THAT MAY BE HARMFUL TO PLANT GROWTH.
B. TOPSOIL SUBSTITUTE IS A COMMERCIALLY AVAILABLE TOPSOIL SUBSTITUTE WHICH MAY BE USED IN PLACE OF TOPSOIL.
C. TOPSOIL SHOULD BE APPLIED AT A RATE OF APPROXIMATELY 4.5 AND INCORPORATED INTO THE SOIL AS NEARLY AS PRACTICAL TO A DEPTH OF 4 INCHES.
2. STRIPPING AND STOCKPILING
A. FIELD EXPLORATION SHOULD BE MADE TO DETERMINE WHETHER QUANTITY AND OR QUALITY OF SURFACE SOIL JUSTIFIES STRIPPING.
B. STRIPPING SHALL BE CONFINED TO THE IMMEDIATE CONSTRUCTION AREA.
C. WHERE FEASIBLE, LIME MAY BE APPLIED BEFORE STRIPPING AT A RATE DETERMINED BY SOIL TESTS TO BRING THE SOIL PH TO APPROXIMATELY 6.5.
D. A 4-6 INCH STRIPPING DEPTH IS COMMON, BUT MAY VARY DEPENDING ON THE PARTICULAR SOIL.
E. STOCKPILES OF TOPSOIL SHOULD BE SITUATED SO AS NOT TO OBSTRUCT NATURAL DRAINAGE OR CAUSE OFF-SITE ENVIRONMENTAL DAMAGE.
F. STOCKPILES SHOULD BE VEGETATED IN ACCORDANCE WITH STANDARDS PREVIOUSLY DESCRIBED HEREIN.
3. SITE PREPARATION
A. GRADE AT THE ONSET OF THE OPTIMAL SEEDING PERIOD SO AS TO MINIMIZE THE DURATION AND AREA OF EXPOSURE OF DISTURBED SOIL TO EROSION.
B. GRADE AS NEEDED AND FEASIBLE TO PERMIT THE USE OF CONVENTIONAL EQUIPMENT FOR SEEDBED PREPARATION, SEEDING, MULCH APPLICATION AND ANCHORING.
C. APPLY MULCH AND ANCHORING.
D. PRIOR TO TOPSOILING, THE SUBSOIL SHALL BE IN COMPLIANCE WITH THE STANDARD FOR LAND GRADING, PG. 19-1.
E. EMPLOY NEEDED EROSION CONTROL PRACTICES SUCH AS DIVERSIONS, GRADE STABILIZATION STRUCTURES, CHANNEL STABILIZATION MEASURES, SEDIMENTATION BASINS, AND WATERWAYS.
4. APPLYING TOPSOIL
A. TOPSOIL SHOULD BE HANDLED ONLY WHEN IT IS DRY ENOUGH TO WORK WITHOUT DAMAGING SOIL STRUCTURE.
B. A UNIFORM APPLICATION TO AN AVERAGE DEPTH OF 5.0 INCHES, MINIMUM OF 4 INCHES, FIRMED IN PLACE IS REQUIRED.
C. PURSUANT TO THE REQUIREMENTS IN SECTION 7 OF THE STANDARD FOR PERMANENT VEGETATIVE STABILIZATION, THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF THE SUBSOIL AND FOR THE ESTABLISHMENT OF PERMANENT VEGETATION.
D. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF THE SUBSOIL AND FOR THE ESTABLISHMENT OF PERMANENT VEGETATION.
E. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF THE SUBSOIL AND FOR THE ESTABLISHMENT OF PERMANENT VEGETATION.

**CONSTRUCTION SEQUENCE**

Table with 3 columns: PHASE, DURATION. Rows include 1. INSTALL TEMPORARY SOIL EROSION FACILITIES, 2. SITE DEMOLITION, 3. ROUGH CLEARING AND GRADING, 4. TEMPORARY SEEDING, 5. UTILITY INSTALLATION, 6. INSTALL INLET PROTECTION, 7. FINAL EXCAVATION/CONSTRUCTION OF STORMWATER BASINS, 8. CURB AND SIDEWALK CONSTRUCTION, 9. PAVEMENT SUB-BASE, 10. CONSTRUCTION OF BUILDING(S), 11. MAINTENANCE OF TEMPORARY EROSION CONTROL MEASURES, 12. PRELIMINARY INSTALLATION OF LANDSCAPING, 13. FINAL PAVEMENT COURSE, 14. FINAL CONSTRUCTION/STABILIZATION OF SITE.

TEMPORARY SEEDING SHALL ALSO BE PERFORMED WHEN NECESSARY IN ACCORDANCE WITH NOTE NO. 1 OF THE SOIL EROSION AND SEDIMENT CONTROL NOTES.
CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL PERMANENT SOIL EROSION AND SEDIMENT CONTROL MEASURES DURING CONSTRUCTION.
THE CONTRACTOR IS RESPONSIBLE FOR KEEPING THE ROADWAYS CLEAN AT ALL TIMES.
DUST GENERATION SHALL BE CONTROLLED ON A CONSTANT BASIS BY WETTING THE SURFACE AND/OR APPLICATION OF CALCIUM CHLORIDE.
STEEP SLOPES SHALL RECEIVE A TEMPORARY SEEDING IN COMBINATION WITH STRAW MULCH OR SUITABLE EQUIVALENT.
ALL SOIL EROSION AND SEDIMENT CONTROL PRACTICES ON INDIVIDUAL SITES SHALL APPLY TO ANY SUBSEQUENT OWNERS.

**BASIN CONSTRUCTION NOTES**

- 1. IMMEDIATELY PRIOR TO SEEDING, THE SURFACE SHOULD BE SCARIFIED 0" TO 12" INCHES WHERE THERE HAS BEEN SOIL COMPACTION.
2. INSPECT SITE JUST BEFORE SEEDING.
3. IMMEDIATELY PRIOR TO TOPSOILING, THE SURFACE SHOULD BE SCARIFIED 0" TO 12" INCHES WHERE THERE HAS BEEN SOIL COMPACTION.
4. SOIL COMPACTION RESULTING FROM EXCAVATION OF COMPACTED SOILS THROUGHOUT CONSTRUCTION SHALL BE REMOVED BY CONSTRUCTION OF A MINIMUM OF 12 INCHES ABOVE AND SPRING-TOOTHED HARROWS ARE EXAMPLES OF EQUIPMENT WHICH MAY PRODUCE THE DESIRED EFFECT.
5. SPRINKLING - SITE IS SPRINKLED UNTIL THE SURFACE IS WET.
6. BARRIERS: SOLID BOARD FENCES, SNOW FENCES, BURLAP FENCES, CRATE WALLS.
7. CALCIUM CHLORIDE - SHALL BE IN THE FORM OF LOOSE, DRY GRANULES OR FLAKES.
8. SLOPE - COVER SURFACE WITH CRUSHED STONE OR COARSE GRAVEL.

**PROJECT INFORMATION**

23 VREELAND PLACE
KSK-OP-23 LLC
2123 EVERGREEN LANE
POINT PLEASANT, NJ 08742

BLOCK 1, LOT 25
23 VREELAND PLACE
POINT PLEASANT, NJ 08742

KSK-OP-23 LLC
2123 EVERGREEN LANE
POINT PLEASANT, NJ 08742

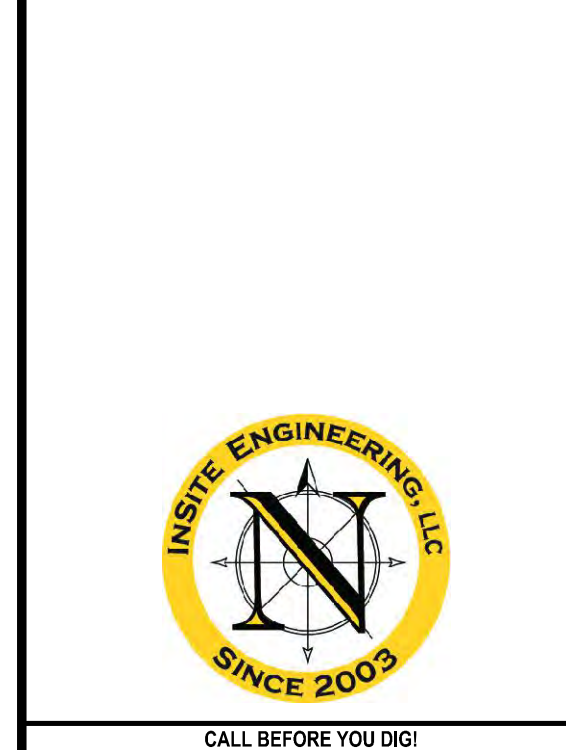
KSK-OP-23 LLC
2123 EVERGREEN LANE
POINT PLEASANT, NJ 08742

APPLICANT'S PROFESSIONALS
ARCHITECT: FRANK JOSEPH BELL ARCHITECT LLC
SURVEYOR: INSITE SURVEYING

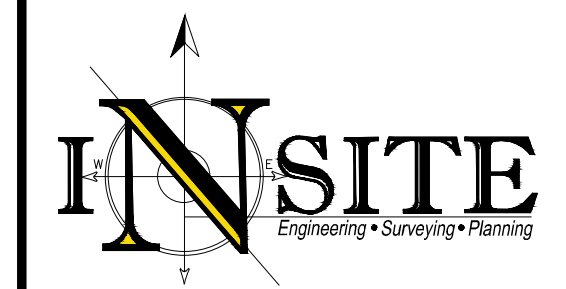
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ALL SOIL EROSION AND SEDIMENT CONTROL PRACTICES ON INDIVIDUAL SITES SHALL APPLY TO ANY SUBSEQUENT OWNERS.

INSITE ENGINEERING LLC
INSITE SURVEYING
1955 ROUTE 34, SUITE 1A, WALL, NJ 07719

GEOTECH: ANS CONSULTANTS, INC.
4405 SOUTH CLINTON AVENUE
SOUTH PLAINFIELD, NJ 07960



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INSITE Engineering, LLC
CERTIFICATE OF AUTHORIZATION: 24628208320
1955 ROUTE 34, SUITE 1A, WALL, NJ 07719

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PATRICK R. WARD, PE, PP
PROFESSIONAL ENGINEER, PLANNER
ALPS 246505079000 ALPS 2310052600

**REVISIONS**

Table with 3 columns: Rev #, Date, Description. Includes entries for 2, 1, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100.

DATE: 01/15/24 DRAWN BY: NLC
JOB #: 23-2171-01 CHECKED BY: PRW
DATE: 01/15/24 CHECKED BY: NLC

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FOR CONSTRUCTION
PLAN INFORMATION

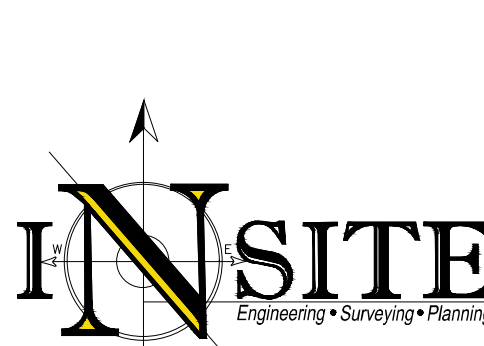
PLOT PLAN
SHEET TITLE
SOIL EROSION & SEDIMENT CONTROL NOTES





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SEWER	GREEN
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UNIDENTIFIED SYSTEMS	WHITE



INSITE Engineering, LLC  
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**Patrick B. Ward, PE, PP**  
PROFESSIONAL ENGINEER, PLANNER  
NJ P.E. 24GE00079000 NJ P.P. 23L00628000

REVISIONS

Rev. #	Date	Description
1	05/21/24	REV PER CHECKLIST
2	05/21/24	REV PER ARCHITECT
3	05/21/24	REV PER GEOTECH

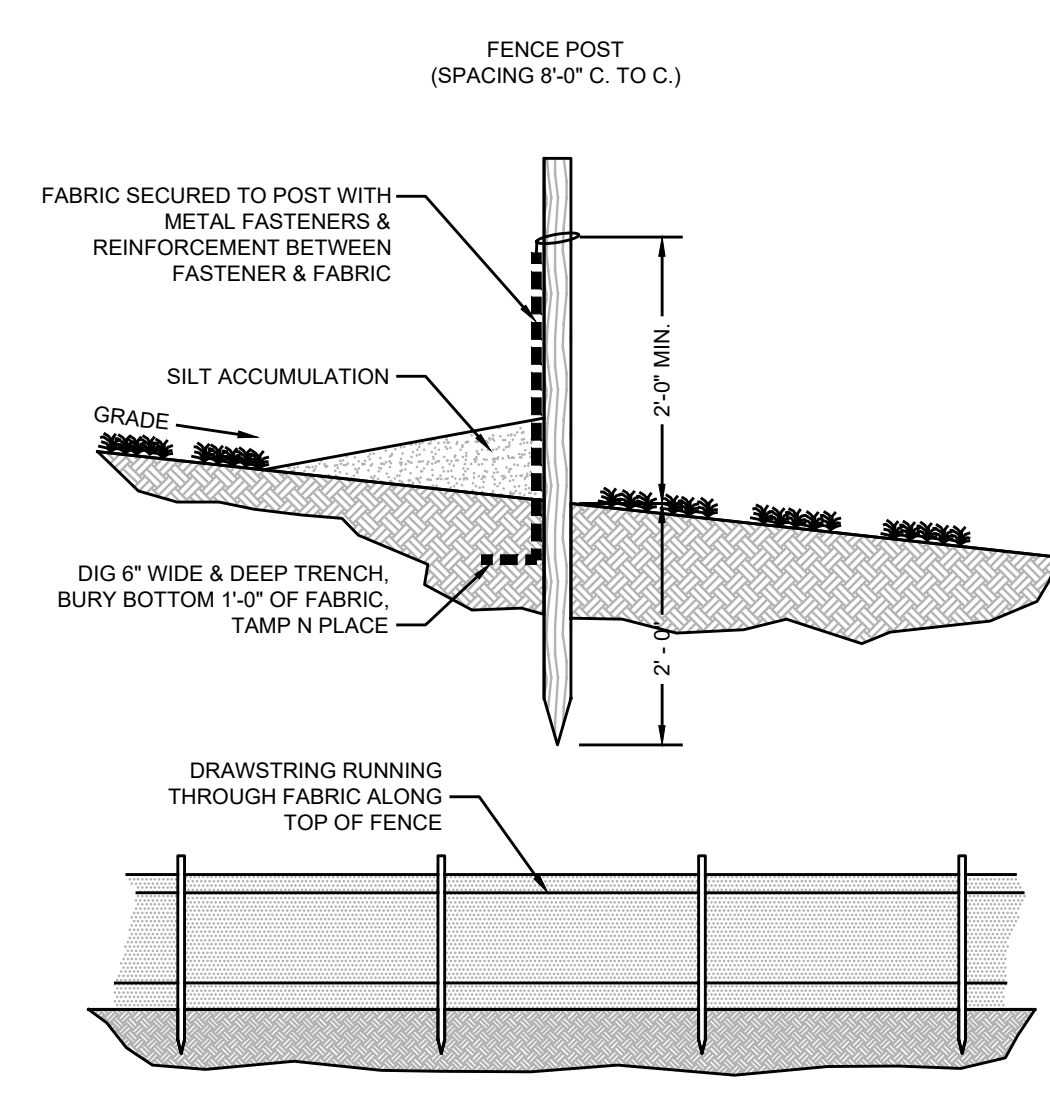
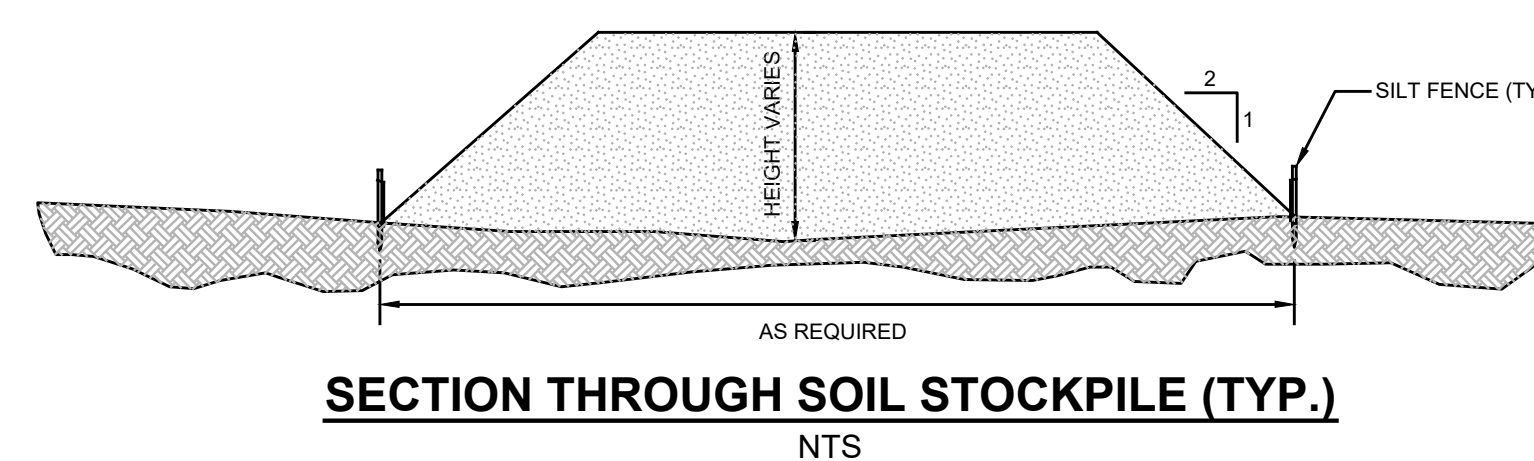
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DATE: **01/15/24** DRAWN BY: **NLC**  
JOB #: **23-2171-01** CHECKED BY: **PRW**  
CAD ID: **23-2171-01r2**

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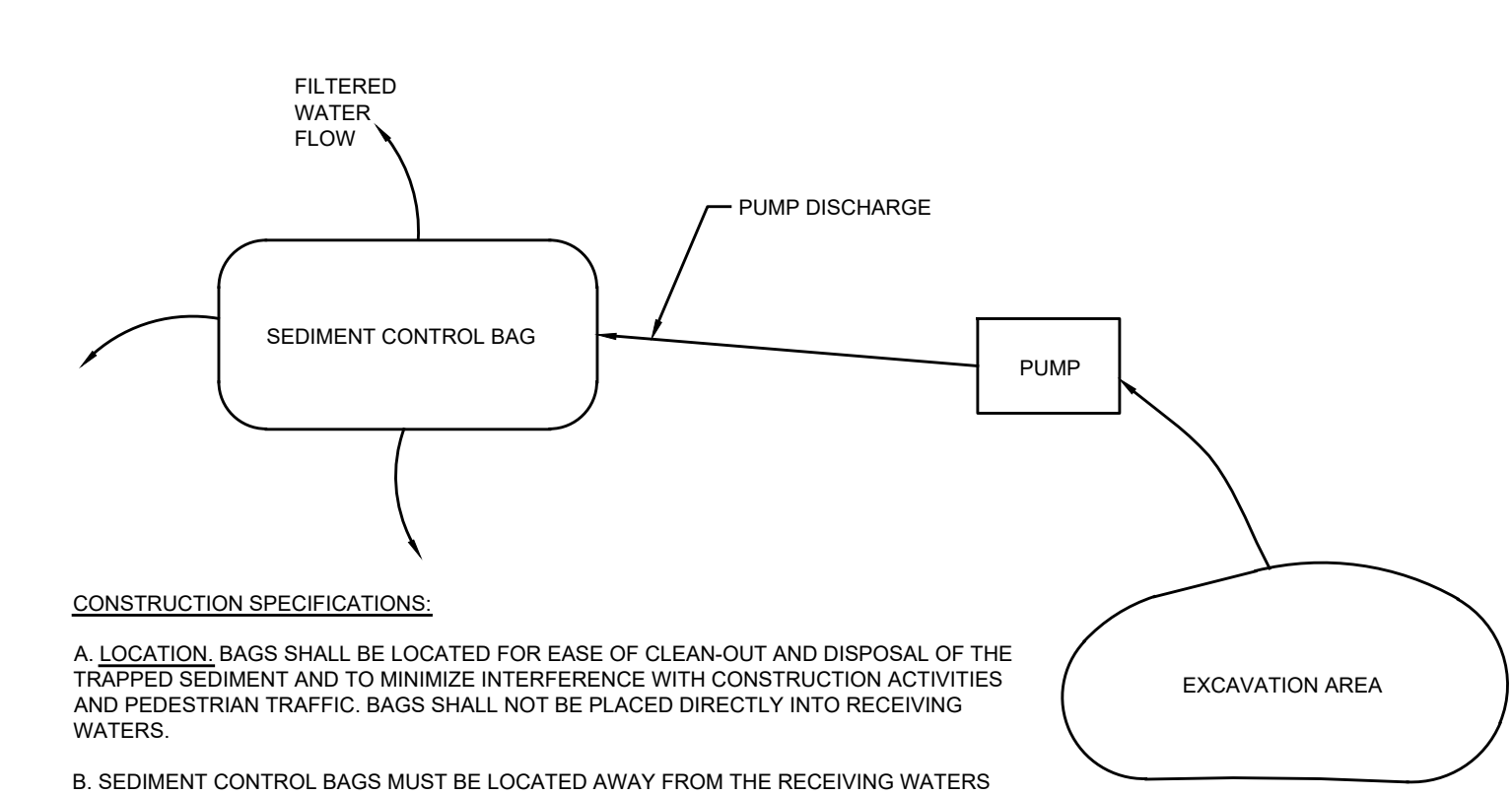
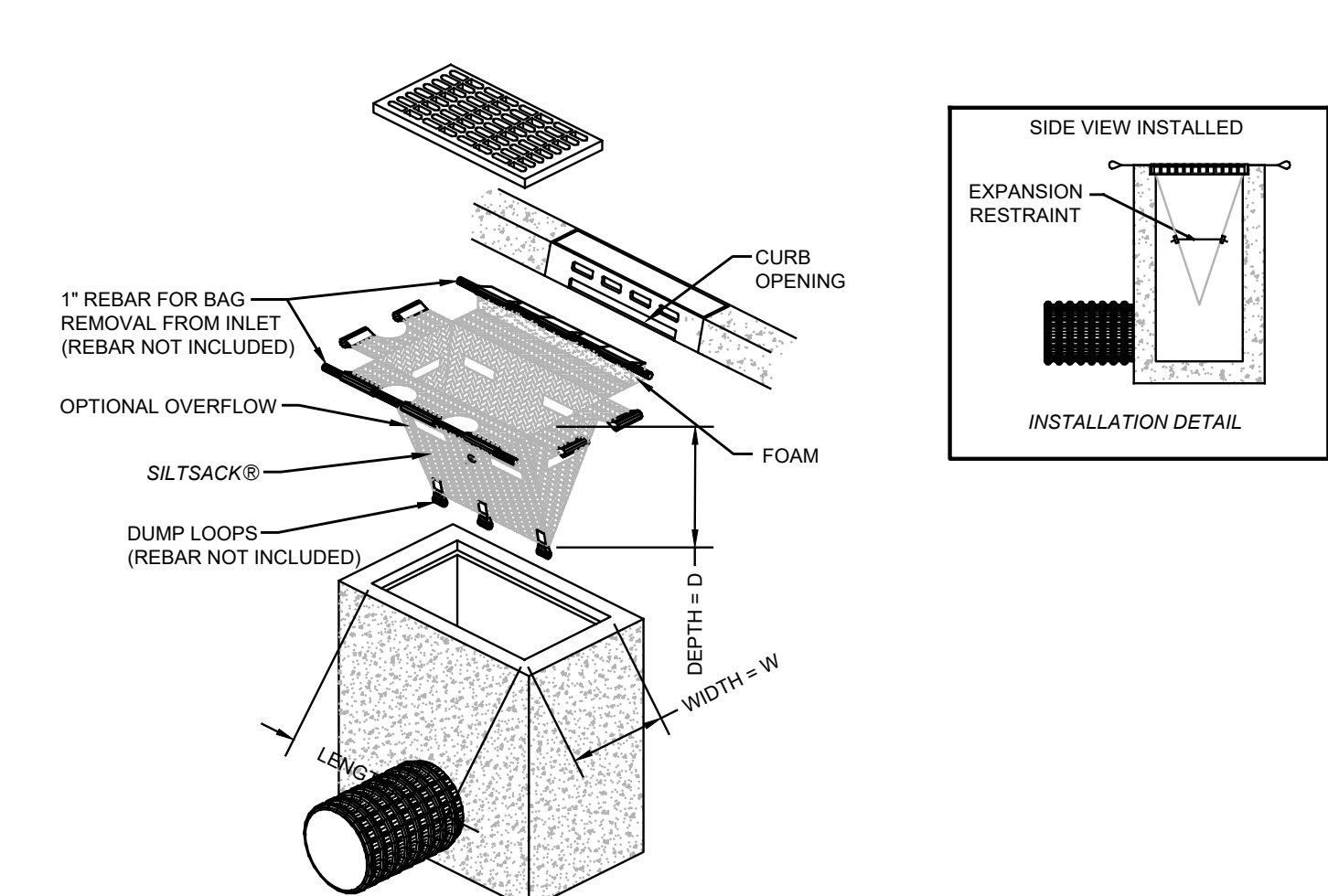
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PLANNING INFORMATION

DRAWING TITLE:  
**PLOT PLAN**

SHEET TITLE:  
**SOIL EROSION & SEDIMENT CONTROL DETAILS**



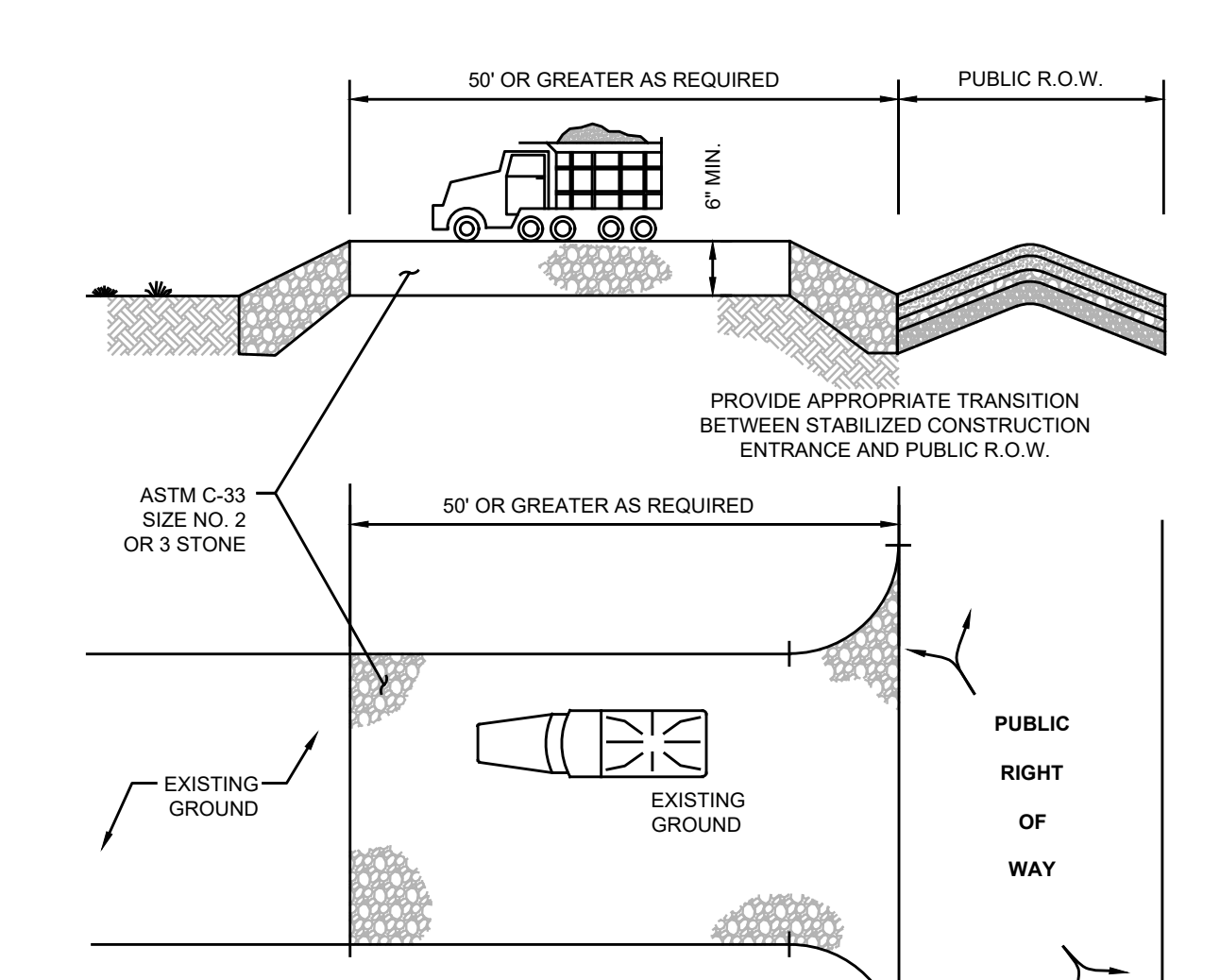
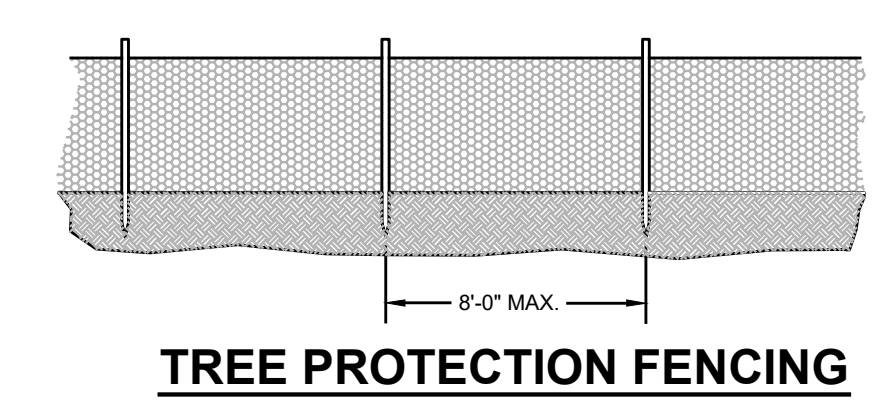
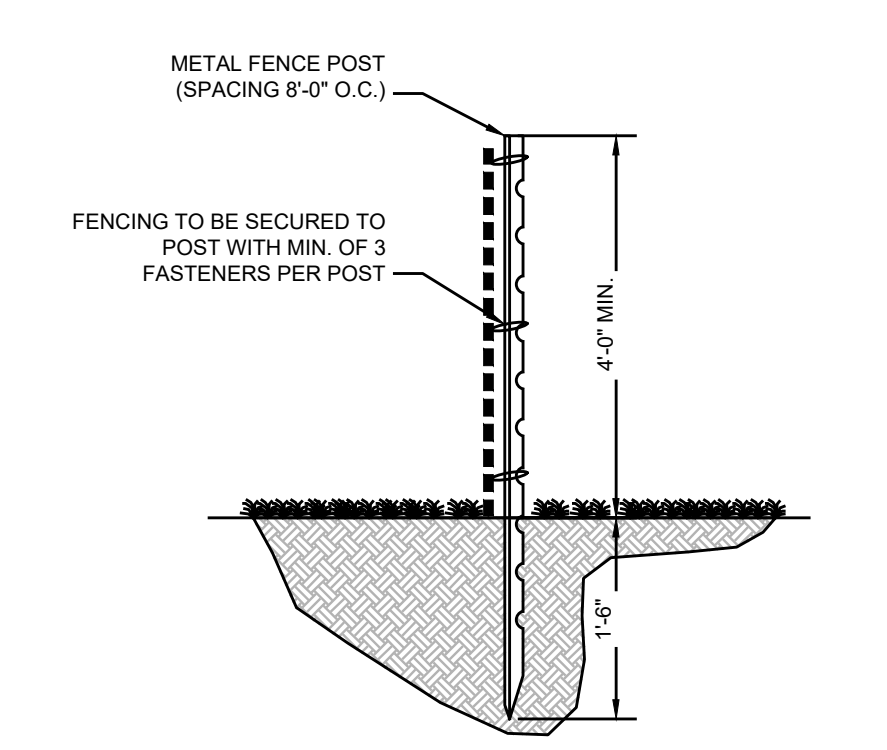
- SILT FENCE MAINTENANCE**
1. SEDIMENT SHALL BE REMOVED FROM THE UPSTREAM FACE OF THE BARRIER WHEN IT HAS REACHED A DEPTH OF 1/3 THE BARRIER HEIGHT.
  2. REPAIR OR REPLACE BARRIER (FABRIC, POSTS, BALES, ETC.) WHEN DAMAGED.
  3. BARRIERS SHALL BE INSPECTED DAILY FOR SIGNS OF DETERIORATION AND SEDIMENT REMOVAL.



**CONSTRUCTION SPECIFICATIONS:**

A. LOCATION BAGS SHALL BE LOCATED FOR EASE OF CLEAN-OUT AND DISPOSAL OF THE TRAPPED SEDIMENT AND TO MINIMIZE INTERFERENCE WITH CONSTRUCTION ACTIVITIES AND PEDESTRIAN TRAFFIC. BAGS SHALL NOT BE PLACED DIRECTLY INTO RECEIVING WATERS.

B. SEDIMENT CONTROL BAGS MUST BE LOCATED AWAY FROM THE RECEIVING WATERS AND/OR CONSTRUCTION ACTIVITIES, AND DISPOSED OF ACCORDING TO MANUFACTURER'S INSTRUCTIONS. BAGS MAY NOT BE REUSED.

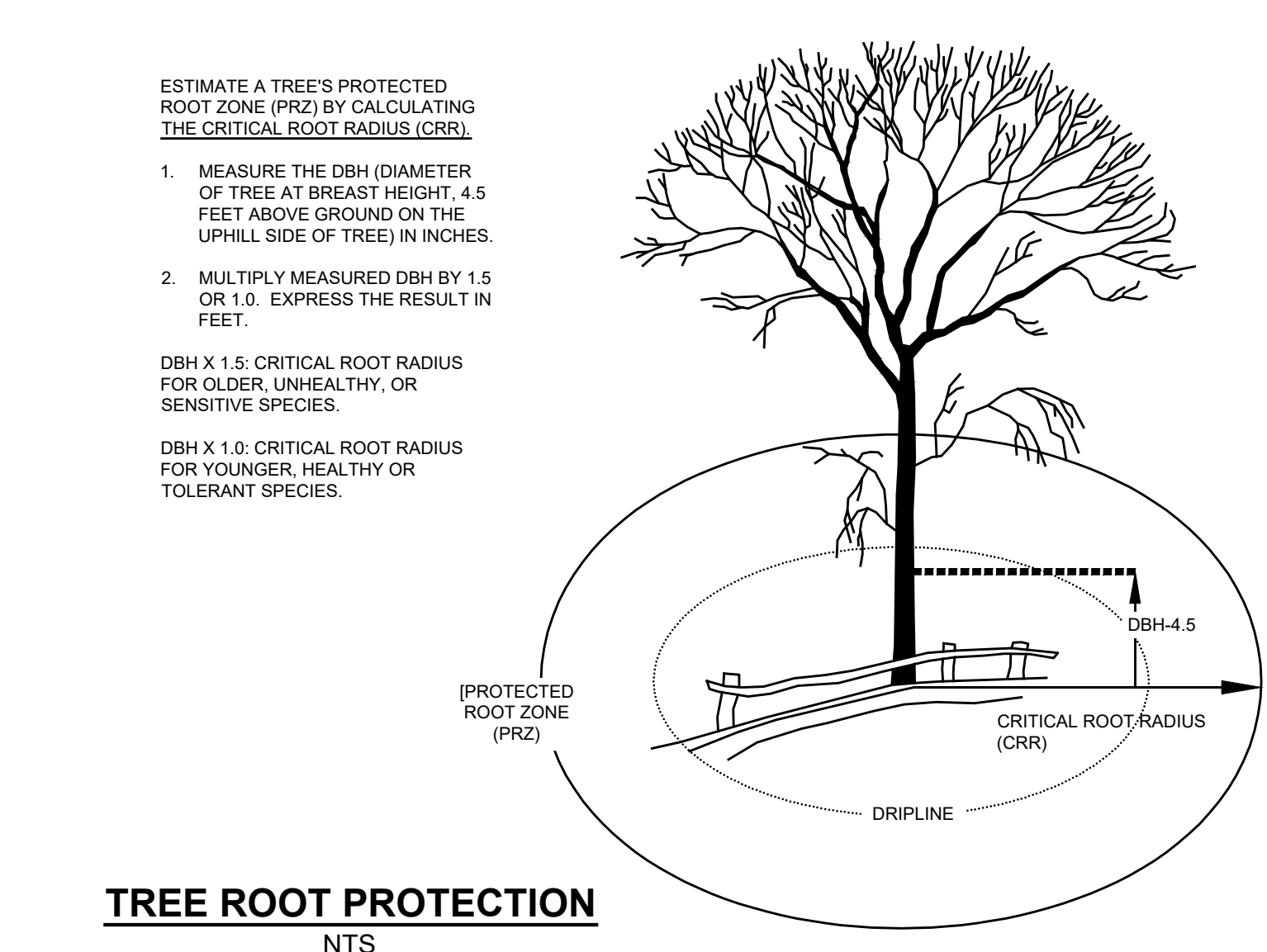


PERCENT SLOPE OF ROADWAY	LENGTH OF STONE REQUIRED	
	COURSE GRAINED SOILS	FINE GRAINED SOILS
0 TO 2%	50 FT	100 FT
2 TO 5%	100 FT	200 FT
> 5%	ENTIRE SURFACE STABILIZED WITH FABC HOT MIX ASPHALT BASE COURSE, MIN 1/2"	

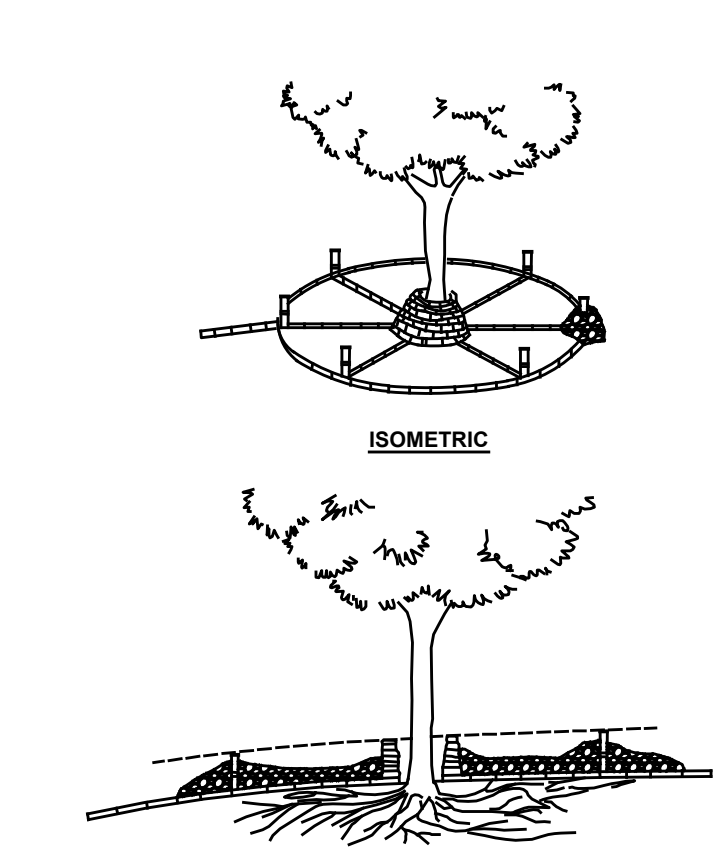
1. AS PRESCRIBED BY LOCAL ORDINANCE OR OTHER GOVERNING AUTHORITY.

**STABILIZED CONSTRUCTION ENTRANCE**  
NTS

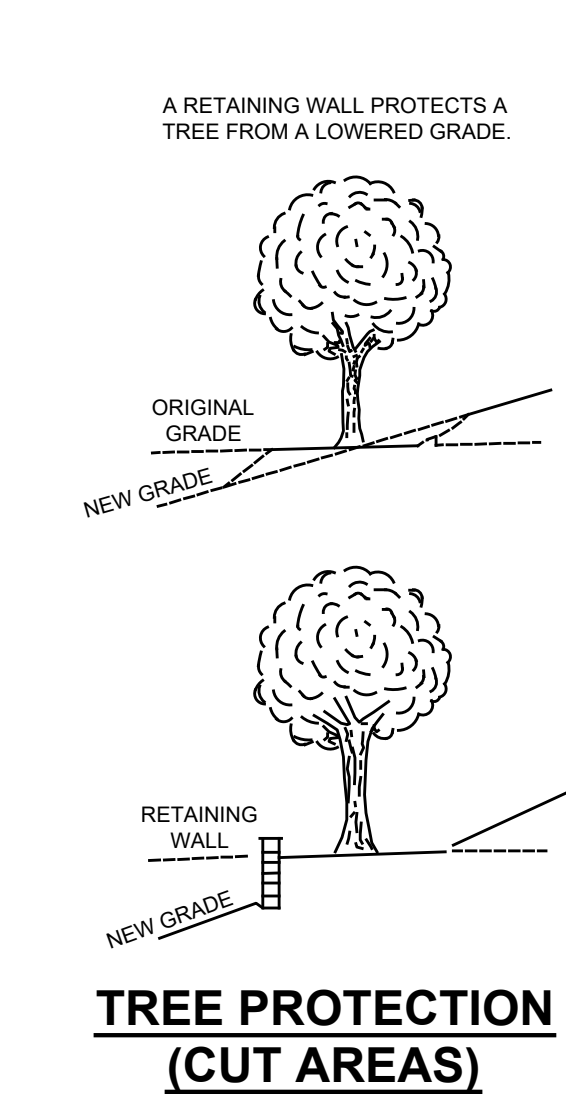
NOTE: INDIVIDUAL LOT ACCESS POINTS MAY REQUIRE STABILIZATION. THE THICKNESS SHOWN IS FOR STONE CONSTRUCTION ENTRANCE ONLY.



**TREE ROOT PROTECTION**  
NTS



**TREE PROTECTION (FILL AREAS)**  
NTS



**TREE PROTECTION (CUT AREAS)**  
NTS