

MAJOR SITE PLAN
SHIRAS CHAIM 1400 PINE STREET
BLOCK 854 LOTS 1 & 3
LAKEWOOD TOWNSHIP, OCEAN COUNTY, NEW JERSEY

OWNERS WITHIN 200'

BLOCK AND LOT	PROPERTY ADDRESS	OWNER'S NAME & ADDRESS
00830 11 00002	PINE STREET	SOMERSET MA LLC ETALS 911 EAST COUNTY LINE RD LAKEWOOD NJ 08701
00854 00001	1400 PINE STREET	SHIRAS CHAIM INC 1400 PINE STREET LAKEWOOD NJ 08701
00854 00002	272 ALBERT AVENUE	OGUAGHA IFEOMA 272 ALBERT AVENUE LAKEWOOD NJ 08701
00854 00003	279 ALBERT AVENUE	SHIRAS CHAIM INC 279 ALBERT AVE LAKEWOOD NJ 08701
00854 00004	283 ALBERT AVENUE	YABLONSKY, BENJAMIN ETALS 283 ALBERT AVENUE LAKEWOOD NJ 08701
00854 00005 01	285 ALBERT AVENUE	KENZER, CHAYA I & AVROHOM B 285 ALBERT AVENUE LAKEWOOD NJ 08701
00854 00005 02	ALBERT AVENUE	MEISELS, BINYOMIN & NECHAMA L 295 ALBERT AVE LAKEWOOD NJ 08701
00855 01 00001 01	270 ALBERT AVENUE	SHIRAS CHAIM INC 124 NED DRIVE LAKEWOOD NJ 08701
00855 01 00002 01	280 ALBERT AVENUE	MADER, RON L & TRACEY M 280 ALBERT AVENUE LAKEWOOD NJ 08701
00855 01 00003	290 ALBERT AVENUE	GELBFISH, CHERYL 290 ALBERT AVENUE LAKEWOOD NJ 08701
00855 01 00021 01	1411 EAST SPRUCE STREET	EBSTEIN, YECHIEL 1411 EAST SPRUCE STREET LAKEWOOD NJ 08701
00855 01 00021 02	PINE STREET	CONGREGATION TALMUD TORAH INC 5 SHILO ROAD LAKEWOOD NJ 08701
00961 01 00004	300 BOULEVARD OF AMERICAS	TWP OF LAKEWOOD/CEDARBRIDGE OUR LLC 911 EAST COUNTY LINE ROAD LAKEWOOD NJ 08701
00961 01 00005	400 BOULEVARD OF AMERICAS	PINE HOLDINGS URBAN RENEWAL LLC 212 SECOND ST STE 302 LAKEWOOD NJ 08701
00961 03 00006	BOULEVARD OF AMERICAS	TOWNSHIP OF LAKEWOOD 231 3RD ST LAKEWOOD NJ 08701

ALSO TO BE NOTIFIED:

Sandy Hoffman JCP&L 331 Newman Springs Road Suite 325 Third Floor Red Bank, NJ 07701	Lakewood Police Department 911 Operator 231 Third Street Lakewood, NJ 08701
Donna Short GIS Supervisor New Jersey-American Water Company 1025 Laurel Oak Road Voorhees, NJ 08043	N.J. Natural Gas Co. P.O. Box 1464 Wall, NJ 07719
Verizon-NJ, c/o Wireline Engineering 999 W Main Street, Fir 2 Freehold, NJ 07728	Ocean County Utility P.O. Box P Bayville, NJ 08721
Cablevision of Monmouth 40 Pine St. Tinton Falls, NJ 07753	Conrail Room 470 – 1000 Howard Blvd. Mt. Laurel Corporate Park Mt. Laurel, NJ 08054
Lakewood Municipal Utility Authority 390 New Hampshire Avenue Lakewood, NJ 08701	N.J. Turnpike Authority Legal Dept. P.O. Box 5042 581 Main Street Woodbridge, NJ 07095-5042
N.J. Dept. of Transportation 1035 Parkway Avenue Trenton, NJ 08625	Ocean County Planning Board 129 Hooper Avenue Toms River, NJ 08753

PLEASE ADVERTISE IN THE FOLLOWING NEWSPAPER

Asbury Park Press
3601 Highway 66
Neptune, NJ 07754

APPROVED BY LAKEWOOD TOWNSHIP PLANNING BOARD

ON _____ BY RESOLUTION # _____

CHAIRPERSON _____ DATE _____

SECRETARY _____ DATE _____

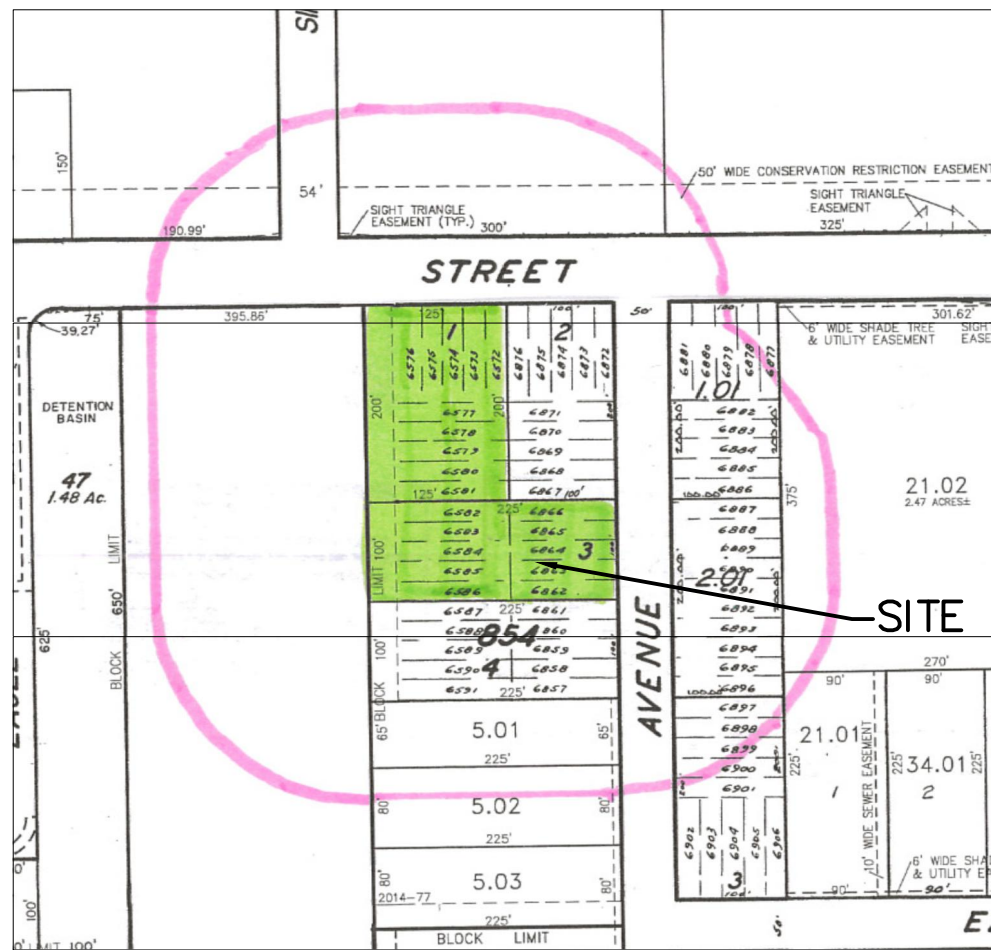
ENGINEER _____ DATE _____

SHEET INDEX

SHEET 1:	COVER SHEET
SHEET 2:	EXISTING CONDITIONS PLAN
SHEET 3:	LAYOUT & DIMENSION PLAN
SHEET 4:	GRADING & DRAINAGE PLAN
SHEET 5:	SOIL EROSION & SEDIMENT CONTROL PLAN #1
SHEET 6:	SOIL EROSION & SEDIMENT CONTROL PLAN #2
SHEET 7:	SOIL MANAGEMENT AND PREPARATION PLAN
SHEET 8:	TRAFFIC CIRCULATION PLAN



CONTRACTOR TO CALL AT LEAST 72 HOURS PRIOR TO COMMENCEMENT OF EXCAVATION WORK.



TAX MAP

N.T.S.

GENERAL NOTES:

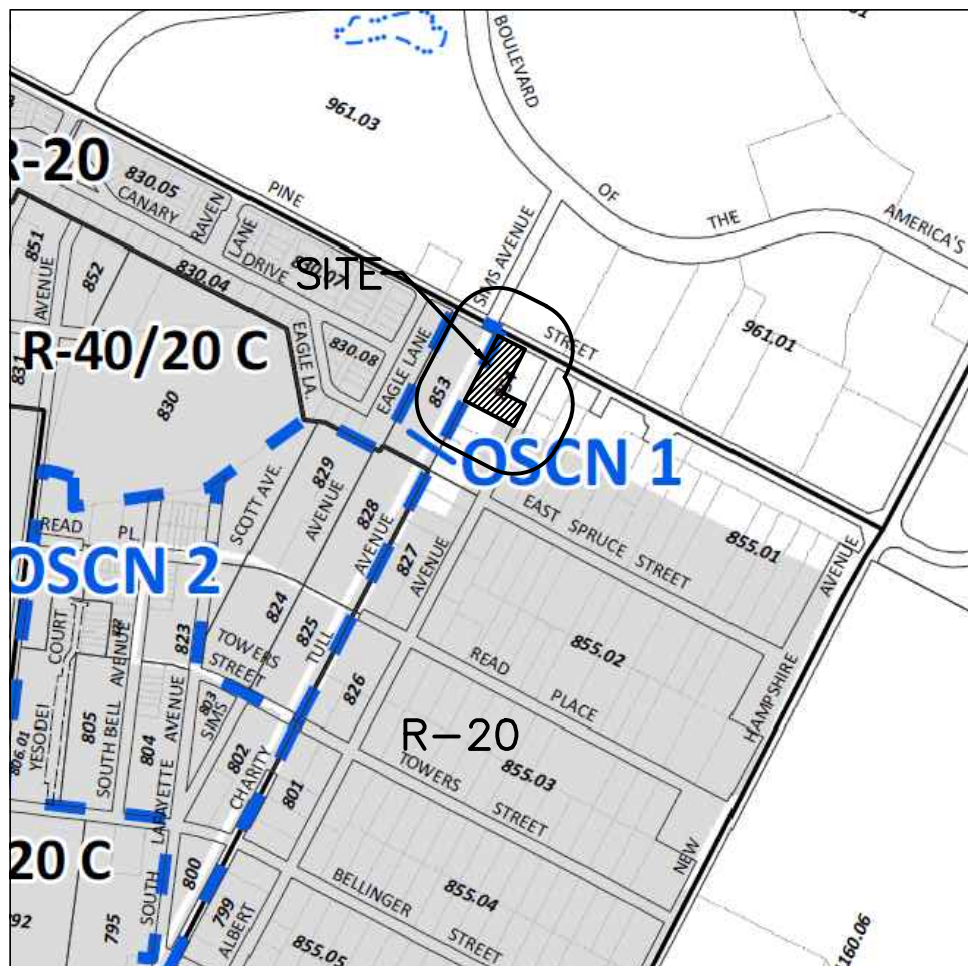
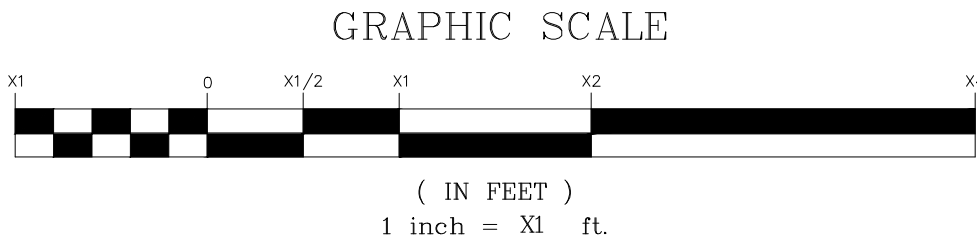
- PROPERTY IS KNOWN AND DESIGNATED AS BLOCK 845 LOTS 1 & 3 AS SHOWN ON SHEET 112 OF THE OFFICIAL TAX MAP OF THE TOWNSHIP OF LAKEWOOD, OCEAN COUNTY, NJ.
- PROPERTY IS LOCATED IN THE R-20 ZONE
- OWNER/APPLICANT: SHIRAS CHAIM
1400 PINE STREET
LAKEWOOD, N.J. 08701
- EXISTING USE: SCHOOL
- COORDINATES AND ELEVATIONS ARE BASED ON AN ASSUMED DATUM.
- BENCHMARK IS RIM OF SEPTIC MH ELEVATION 73.40 LOCATED IN THE CENTER OF LOT 1.
- ERROR OF CLOSURE IS GREATER THAN 1 IN 10000
- SITE PLAN IS BASED ON A SURVEY PREPARED BY NEWLINES SURVEYING AND ENGINEERING, DATED 2-7-19.
- ALL TREES WITHIN LIMITS OF GRADING TO BE REMOVED EXCEPT AS NOTED.
- NO GRADING WITHIN 5' OF PROPERTY LINES PERMITTED.
- DAMAGED CURB OR SIDEWALK TO BE REPLACED AT THE DISCRETION OF THE TOWNSHIP ENGINEER.
- TOTAL TRACT AREA IS 47,500 SF OR 1.09 ACRES.

ZONING DATA

ZONE: R-20 (DEVELOPEMENT AREA ZONE)

	REQUIRED	PROVIDED
MIN. LOT AREA	20,000 SF	47,500 SF
MIN. LOT WIDTH	100'	125' PINE STREET
MIN. FRONT YARD SETBACK(+20')	50'	107.6' PINE STREET
MIN. REAR YARD SETBACK	20'	40.23' PINE STREET
MIN. SIDE YARD SETBACK(ONE)	10'	9.10' PINE STREET
MIN. SIDE YARD SETBACK(BOTH)	25'	59.8' PINE STREET
MAX. BUILDING COVERAGE	30%	21.57%
MAX. BUILDING HEIGHT	35'	35.5'
PARKING		SEE TABLE

PARKING CALCULATIONS		
CALCULATIONS	REQUIRED	PROVIDED
1 SPACE/CLASSROOM	25	
1 SPACE/TUTOR ROOM	2	
1 SPACE/LIBRARY	1	
1 SPACE/MEETING ROOM	0	
1 SPACE/OFFICE	3	
TOTAL	31	36



ZONE MAP

N.T.S.

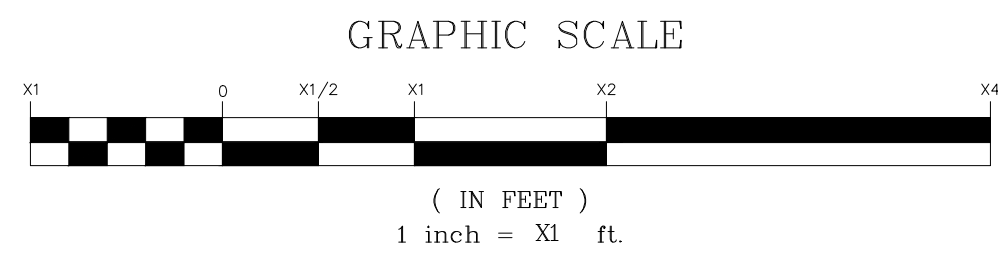
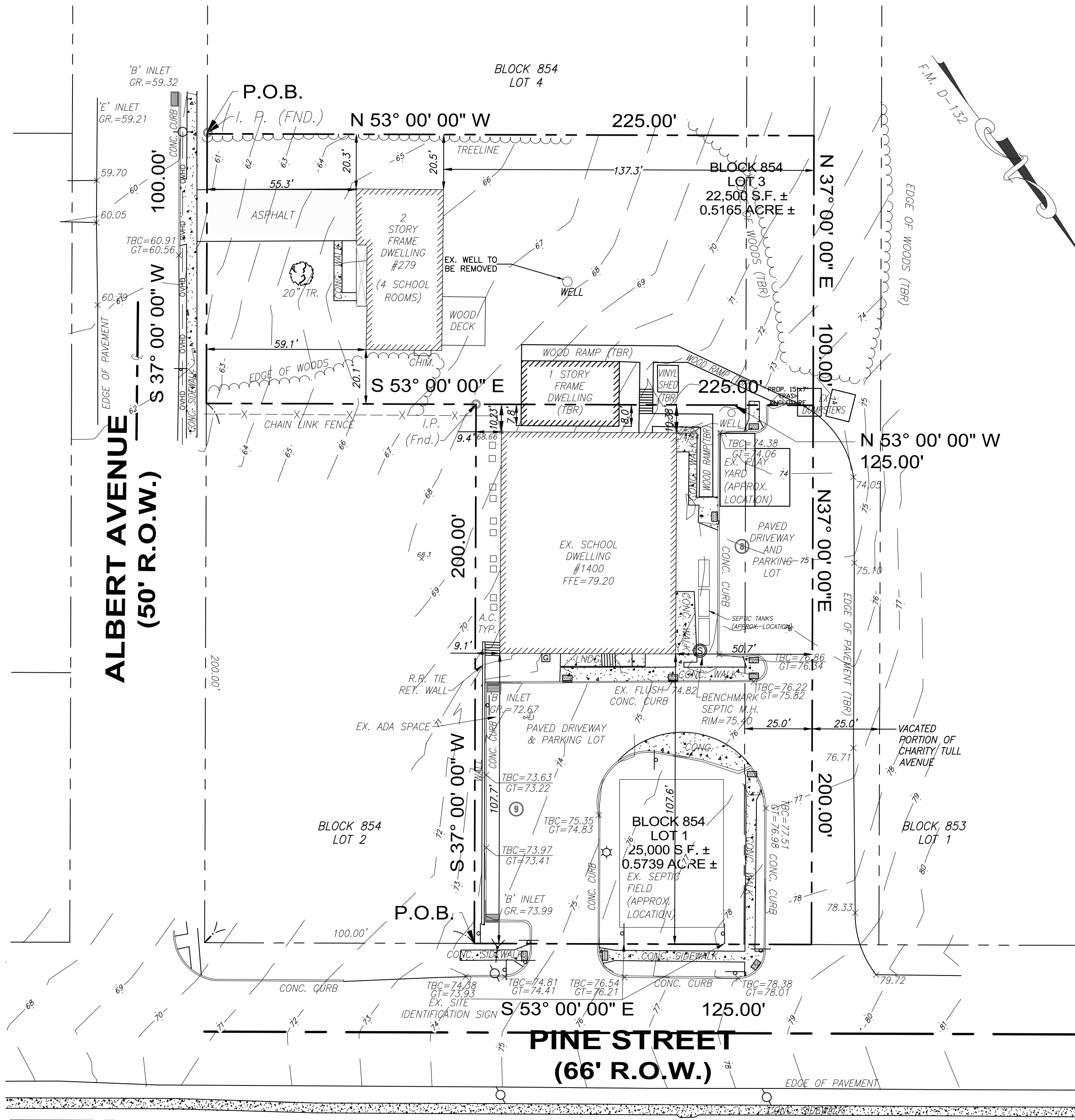
MAJOR SITE PLAN
COVER SHEET
1400 PINE STREET & 279 ALBERT AVENUE
BLOCK 854 LOTS 1 & 3
LAKEWOOD TOWNSHIP, OCEAN COUNTY, NEW JERSEY

NEWLINES
ENGINEERING & SURVEY
CERTIFICATE #24GA28264200

315 Monmouth Avenue
Suite 205
Lakewood, New Jersey 08701
Phone (732) 994-4900
Fax (732) 994-4999

PROJECT NO. 19040
DRAWN BY HB
SCALE 1"=30'
DATE 03-19-19
SHEET 1 OF 8

GLENN D. LINES, P.E., P.P.
LICENSED PROFESSIONAL ENGINEER AND PLANNER
STATE OF NEW JERSEY LICENSE NO. 33011 (P.E.) 4086 (P.P.)



MAJOR SITE PLAN
EXISTING CONDITIONS PLAN
1400 PINE STREET & 279 ALBERT AVENUE
BLOCK 854 LOTS 1 & 3
LAKEWOOD TOWNSHIP, OCEAN COUNTY, NEW JERSEY



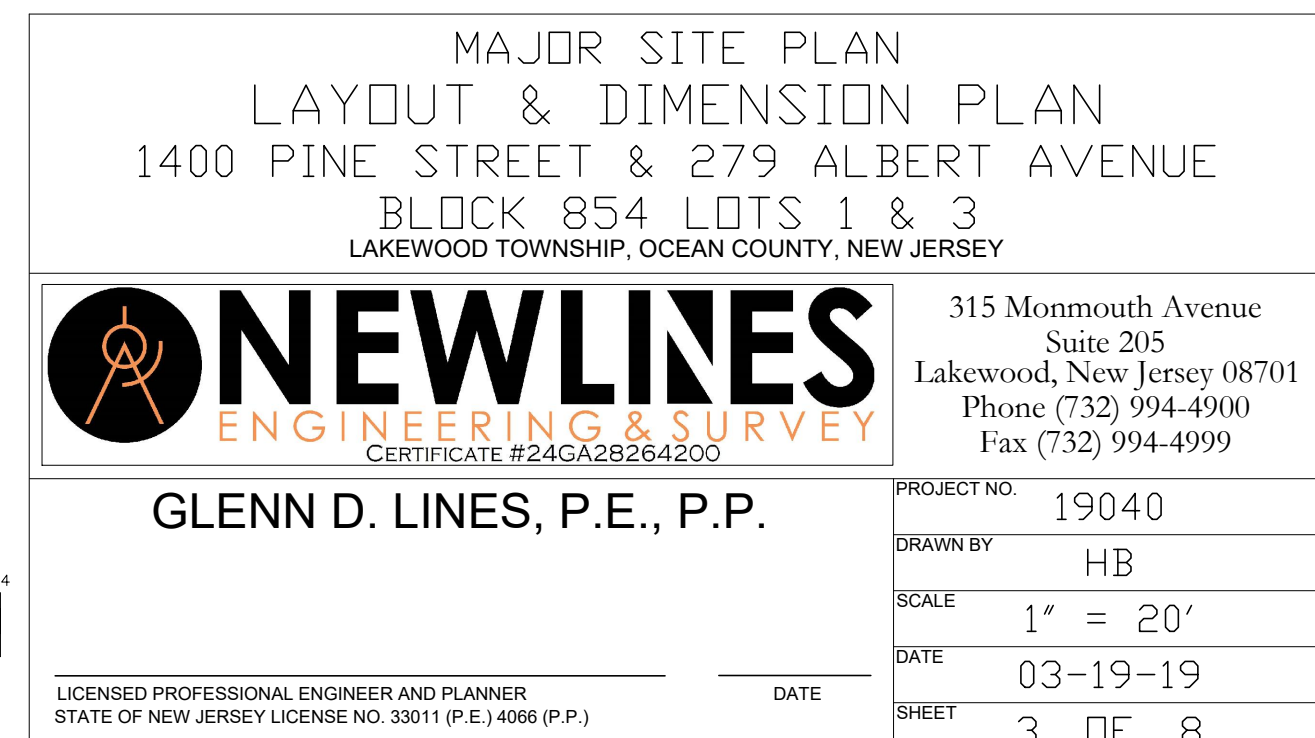
NEWLINES
ENGINEERING & SURVEY
CERTIFICATE #24GA28264200

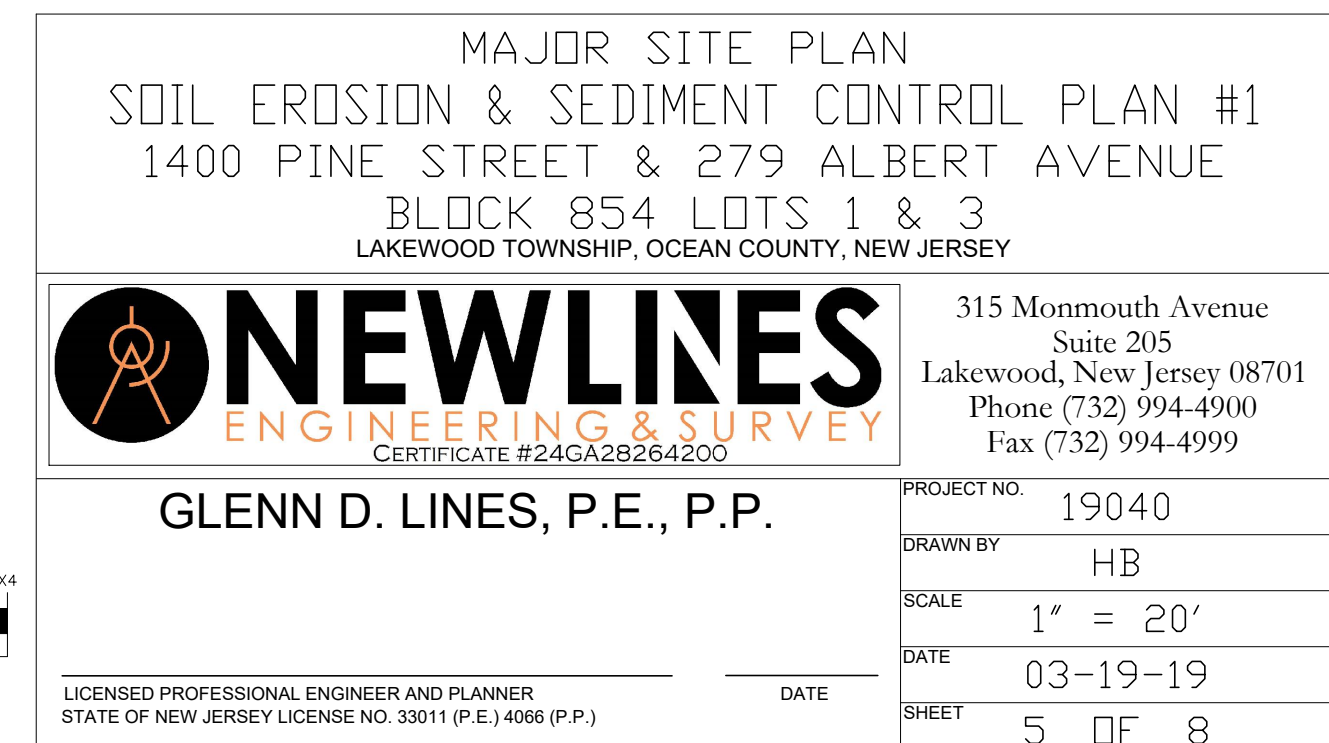
GLENN D. LINES, P.E., P.P.

LICENSED PROFESSIONAL ENGINEER AND PLANNER
STATE OF NEW JERSEY LICENSE NO. 33011 (P.E.) 4086 (P.P.)

PROJECT NO. 19040
DRAWN BY HB
SCALE 1" = 30'
DATE 03-19-19
SHEET 2 OF 8

315 Monmouth Avenue
Suite 205
Lakewood, New Jersey 08701
Phone (732) 994-4900
Fax (732) 994-4999





SOIL EROSION AND SEDIMENT CONTROL NOTES

1. THE OCEAN COUNTY SOIL CONSERVATION DISTRICT SHALL BE NOTIFIED FORTY-EIGHT (48) HOURS IN ADVANCE OF ANY LAND DISTURBING ACTIVITY.
2. ALL WORK IS TO BE DONE IN ACCORDANCE WITH THE STATE STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL OF NEW JERSEY.
3. ALL SOIL EROSION AND SEDIMENT CONTROL PRACTICES ARE TO BE INSTALLED PRIOR TO ANY MAJOR SOIL DISTURBANCE, OR IN THEIR PROPER SEQUENCE AND MAINTAINED UNTIL PERMANENT PROTECTION IS ESTABLISHED.
4. 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. THE REVISED PLANS MUST MEET ALL CURRENT STATE SOIL EROSION AND SEDIMENT CONTROL STANDARDS.
5. N.J.S.A. 4:24-39 ET SEQ. REQUIRES THAT NO CERTIFICATE OF OCCUPANCY BE ISSUED BEFORE THERE HAS BEEN COMPLIANCE WITH PROVISIONS OF THE CERTIFIED PLAN FOR PERMANENT MEASURES. ALL SITE WORK AND ALL WORK AROUND INDIVIDUAL LOTS IN SUBDIVISIONS, MUST BE COMPLETED PRIOR TO THE DISTRICT ISSUING A REPORT OF COMPLIANCE FOR THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY BY THE MUNICIPALITY.
6. ANY DISTURBED AREAS THAT WILL BE LEFT EXPOSED MORE THAN (30) DAYS, AND NOT SUBJECT TO CONSTRUCTION TRAFFIC, WILL IMMEDIATELY RECEIVE A TEMPORARY SEEDING. IF THE SEASON PREVENTS THE ESTABLISHMENT OF A TEMPORARY COVER, THE DISTURBED AREAS WILL BE MULCHED WITH STRAW, OR EQUIVALENT MATERIAL, AT A RATE OF 2-2 1/2 TONS PER ACRE, ACCORDING TO THE STATE STANDARDS FOR STABILIZATION WITH MULCH ONLY.
7. IMMEDIATELY FOLLOWING INITIAL DISTURBANCE OR ROUGH GRADING, ALL CRITICAL AREAS SUBJECT TO EROSION (I.E. STEEP SLOPES AND ROADWAY EMBANKMENTS) WILL RECEIVE TEMPORARY SEEDING IN COMBINATION WITH STRAW MULCH OR A SUITABLE EQUIVALENT, AT A RATE OF 1 1/2 - 2 TONS PER ACRE, ACCORDING TO STATE STANDARDS.
8. A SUB-BASE COURSE WILL BE APPLIED IMMEDIATELY FOLLOWING ROUGH GRADING AND INSTALLATION OF IMPROVEMENTS TO STABILIZE STREETS, ROADS, DRIVEWAYS AND PARKING AREAS. IN AREAS WHERE NO UTILITIES ARE PRESENT, THE SUB-BASE SHALL BE INSTALLED WITHIN FIFTEEN (15) DAYS OF PRELIMINARY GRADING.
9. ANY STEEP SLOPES (3:1 OR GREATER) OR ANY EXISTING ROADWAYS RECEIVING PIPELINE INSTALLATION WILL BE BACKFILLED AND STABILIZED DAILY, AS THE INSULATION CONTINUES.
10. THE STANDARD FOR STABILIZED CONSTRUCTION ACCESS REQUIRES THE INSTALLATION OF A STONE PAD AT ALL CONSTRUCTION DRIVEWAYS WHERE VEHICLES WILL ACCESS PAVED ROADWAYS FROM UNPAVED AREAS OF THE SITE.
11. ALL SEDIMENT WASHED, DROPPED, SPILLED, OR TRACKED ONTO ROADWAYS (PUBLIC OR PRIVATE) OR OTHER IMPERVIOUS SURFACES WILL BE REMOVED IMMEDIATELY.
12. PERMANENT VEGETATION IS TO BE SEEDD OR SODDED ON ALL EXPOSED AREAS WITHIN TEN (10) DAYS AFTER FINAL GRADING. AT THE TIME OF FINAL INSPECTION, YOU ARE REQUIRED TO PROVIDE CONFORMATION THAT THE PROPER TYPE AND AMOUNT OF SEED, LIME, AND FERTILIZER HAVE BEEN USED FOR PERMANENT STABILIZATION WORK. STRAW MULCH IS REQUIRED ON ALL SEEDING.
13. AT THE TIME THE 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. IF THE REMOVAL OR TREATMENT OF THE SOIL WILL NOT PROVIDE SUITABLE CONDITIONS, NON-VEGETATIVE MEANS OF PERMANENT GROUND STABILIZATION WILL HAVE TO BE EMPLOYED.
14. IN ACCORDANCE WITH THE STANDARD FOR MANAGEMENT OF HIGH ACID PRODUCING SOILS, ANY SOIL HAVING A pH OF 4 OR LESS OR CONTAINING ION SULFIDES SHALL BE COVERED WITH A MINIMUM OF TWELVE (12) INCHES OF SOIL HAVING A pH OF 5 OR MORE PRIOR TO SEEDBED PREPARATION. AREAS WHERE TREES OR SHRUBS ARE TO PLANTED SHALL BE COVERED WITH A MINIMUM OF TWENTY-FOUR (24) INCHES OF SOIL HAVING A pH OF 5 OR MORE.
15. CONDUIT OUTLET PROTECTION MUST BE INSTALLED AT ALL REQUIRED OUTFALLS PRIOR TO THE DRAINAGE SYSTEM BECOMING OPERATIONAL.
16. UNFILTERED DEWATERING IS NOT PERMITTED. NECESSARY PRECAUTIONS MUST BE TAKEN DURING ALL DEWATERING OPERATIONS TO MINIMIZE SEDIMENT TRANSFER. ANY DEWATERING METHODS USED MUST BE IN ACCORDANCE WITH STANDARD FOR DEWATERING.
17. 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.
18. STOCKPILE AND STAGING LOCATIONS DETERMINED IN THE FIELD, SHALL BE PLACED WITHIN THE LIMIT OF DISTURBANCE. ACCORDING TO THE CERTIFIED PLAN, STAGING AREAS SHALL NOT BE LOCATED WITHIN THE LIMIT OF DISTURBANCE. WILL REQUIRE CERTIFICATION OF A REVISED SOIL EROSION AND SEDIMENT CONTROL PLAN. THE DISTRICT RESERVES THE RIGHT TO DETERMINE WHEN CERTIFICATION OF A NEW AND SEPARATE SOIL EROSION AND SEDIMENT CONTROL PLAN WILL BE REQUIRED FOR THESE ACTIVITIES.
19. ALL SOIL STOCKPILES ARE TO BE TEMPORARILY STABILIZED IN ACCORDANCE WITH SOIL EROSION AND SEDIMENT CONTROL NOTE #6. STOCKPILES SHOULD BE SITUATED SO AS TO NOT OBSTRUCT NATURAL DRAINAGE OR CAUSE OFF-SITE ENVIRONMENTAL DAMAGE.
20. 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.
22. REQUIREMENTS FOR STONE BARRIER:
- A. THE STONE SHALL BE PILED TO A NATURAL ANGLE OF REPOSE WITH A HEIGHT OF AT LEAST 2 FEET.
- B. THE STONE SHALL MEET ASTM C-33 SIZE NO. 2 (2.5 TO 1.5) OR 3 (2 TO 1 INCH)
23. MAINTENANCE OF SILT FENCE:
- A. SEDIMENT SHALL BE REMOVED FROM THE UPSTREAM FACE OF TEH BARRIER WHEN IT HAS REACHED A DEPTH OF 1/2 THE BARRIER HEIGHT.
- B. REPAIR OR REPLACE BARRIER (FABRIC, POSTS, BALES ETC.) WHEN DAMAGED.
- C. BARRIERS SHALL BE INSPECTED DAILY FOR SIGNS OF DETEIORATION AND SEDIMENT REMOVAL.

SEEDING SCHEDULE

1. GRADE AS NEEDED AND FEASIBLE TO PERMIT THE USE OF CONVENTIONAL EQUIPMENT FOR SEEDBED PREPARATION, SEEDING AND MULCH APPLICATION.
2. TEMPORARY SEEDING SHALL CONSIST OF EITHER:
- | COOL SEASON GRASSES | RATES | SEEDING DATES | DEPTHS |
|---------------------|--------------|-----------------------|---------|
| PERENNIAL RYEGRASS | 1.0 LB./S.F. | 3/1-5/15 OR 8/15-10/1 | 0.5 IN. |
| SPRING OATS | 2.0 LB./S.F. | 3/1-5/15 OR 8/15-10/1 | 1.0 IN. |
| WINTER BARLEY | 2.2 LB./S.F. | 8/15-10/1 | 1.0 IN. |
| WINTER CEREAL RYE | 2.8 LB./S.F. | 8/1-11/15 | 1.0 IN. |
- WARM SEASON GRASSES
- | | | | |
|------------------------------|--------------|-----------|---------|
| PEARL MILLET | 0.5 LB./S.F. | 5/15-8/15 | 1.0 IN. |
| MILLET (GERMAN OR HUNGARIAN) | 0.7 LB./S.F. | 5/15-8/15 | 1.0 IN. |
3. ANY DISTURBED AREAS THAT WILL BE LEFT EXPOSED MORE THAN (30) DAYS, AND NOT SUBJECT TO CONSTRUCTION TRAFFIC, WILL IMMEDIATELY RECEIVE A TEMPORARY SEEDING. IF THE SEASON PREVENTS THE ESTABLISHMENT OF A TEMPORARY COVER, THE DISTURBED AREAS WILL BE MULCHED WITH UNROTTED SMALL GRAIN STRAW, HAY FREE OF SEEDS, OR SALT HAY TO BE APPLIED AT THE RATE OF 1-1/2 TO 2 TONS PER ACRE (70 TO 90 LBS. PER 1,000 S.F.), EXCEPT THAT WHERE A CRIMPER IS USED INSTEAD OF A LIQUID MULCH-BINDER (TACKIFYING OR ADHESIVE AGENT), THE RATE OF APPLICATION IS 3 TONS PER ACRE. MULCH CHOPPER-BLOWERS MUST NOT GRIND THE MULCH.
4. LIME SHALL BE APPLIED AT A RATE OF 90 LBS. PER ACRE AND FERTILIZER AT A RATE OF 500 POUNDS PER ACRE OR 11 POUNDS PER 1,000 SQUARE FEET USING 10-10-10 OR EQUIVALENT.
5. REMOVE FROM THE SURFACE ALL STONES TWO INCHES OR LARGER IN ANY DIMENSION REMOVE ALL OTHER DEBRIS, SUCH AS WIRE, CABLE, TREE ROOTS, PIECES OF CONCRETE, LUMPS OR ANY OTHER UNSUITABLE MATERIAL.
6. PERMANENT GROUND COVER OF SODDING OR SEEDING SHALL CONSIST OF THE FOLLOWING MIXTURE OR APPROVED EQUAL:
- | | |
|----------------------------|---------------------|
| HARD FESCUE | 3 LBS./1000 S.F. |
| CHEWING FESCUE | 1 LBS./1000 S.F. |
| STRONG CREEPING RED FESCUE | 1 LBS./1000 S.F. |
| PERENNIAL RYEGRASS | 0.25 LBS./1000 S.F. |
- OPTIMAL SEEDING DATES: 8/15-10/1
ACCEPTABLE SEEDING DATES: 3/1-4/30 & 5/1-8/14
SEED TO A DEPTH OF 0.5 IN.
7. THE SEEDING SHOULD BE FIRMED FOLLOWING SEEDING OPERATIONS WITH A ROLLER, OR LIGHT DRAG.
8. TACKING SHALL BE PERFORMED AS SPECIFIED IN THE STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY, 7TH EDITION, JANUARY 2014, REVISED JULY 2017. ASPHALT TACKIFIERS ARE NOT ACCEPTABLE.
9. ALL SEEDD AREAS TO BE PROPERLY STRAW MULCHED AND THE MULCH ANCHORED IN ACCORDANCE WITH OCEAN COUNTY SOIL CONSERVATION DISTRICT CURRENT STANDARDS.
10. IF SOIL MOISTURE IS DEFICIENT SUPPLY NEW SEEDING WITH ADEQUATE WATER (A MINIMUM OF 1/4 INCH APPLIED UP TO TWICE A DAY UNTIL VEGETATION IS WELL ESTABLISHED). THIS IS ESPECIALLY TRUE WHEN SEEDINGS ARE MADE IN ABNORMALLY DRY OR HOT WEATHER OR ON DROUGHTY SITES. IRRIGATION SHALL CONTINUE TO BE USED UNTIL PERMANENT VEGETATION IS ESTABLISHED.

SEQUENCE OF CONSTRUCTION

1. INSTALLATION OF SILT FENCING & TREE PROTECTION FENCING PRIOR TO ANY LAND DISTURBANCE. (3 DAYS)
2. APPLICATION OF PROPER MEASURES FOR THE CONTROL OF SOIL EROSION AND SEDIMENT CONTROL. (5 DAYS)
3. CONSTRUCT STABILIZED CONSTRUCTION ACCESS WHERE CONSTRUCTION TRAFFIC ENTERS PAVED ROADWAYS. (1 DAY)
4. DEMOLITION, SITE GRADING, CLEARING SITE AS SHOWN ON THE PLANS WITH APPROPRIATE EROSION CONTROL FACILITIES. (3 WEEKS)
5. PROVIDE AND INSTALL TEMPORARY STABILIZATION MEASURES AS REQUIRED. (1 WEEK)
6. ROUGH GRADE, CONSTRUCT CURBS AND UTILITIES (INCLUDING DRAINAGE FACILITIES), PLACE STONE BASE ON ALL PAVED AREAS (8 WEEKS)
7. INSTALL INLET PROTECTION (1 DAY)
8. BEGIN BUILDING ADDITION CONSTRUCTION. (8 MONTHS)
9. MAINTENANCE OF SOIL EROSION AND SEDIMENT CONTROL. (ON-GOING)
10. CONDUCT SOIL COMPACTION TESTS IN LOCATIONS SHOWN ON PLAN.
11. IF TESTS PASS, SUBMIT TEST RESULTS TO OCEAN COUNTY SOIL CONSERVATION DISTRICT.
12. IF TESTS FAIL, RESTORATION OF COMPACTED SOILS SHALL BE CONDUCTED THROUGH DEEP SCARIFICATION/TILLAGE (6" MINIMUM DEPTH).
13. RECEIVE CERTIFICATE OF COMPLIANCE FROM OCEAN COUNTY SOIL CONSERVATION DISTRICT.
14. APPLY TOPSOIL TO AN AVERAGE DEPTH OF 5 INCHES (4 INCHES MINIMUM) FIRMED IN PLACE (SEE STANDARD "TOPSOILING" PG. 8-2).
15. REGRADING AND STABILIZATION OF LAWN AREAS. (AS REQUIRED)
16. FINAL PAVING AND PERMANENT STABILIZATION OF SITE. (2 WEEKS)
17. REMOVAL OF SOIL EROSION, SEDIMENT CONTROL FACILITIES & PROTECTIVE TREE FENCING WHEN PERMANENT EROSION CONTROL MEASURES ARE ACCEPTED BY THE TOWNSHIP ENGINEER. (1 WEEK)

STANDARD FOR DUST CONTROL

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, 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.

TABLE 16-1 DUST CONTROL MATERIALS

MATERIAL	WATER DILUTION	TYPE OF NOZZLE	APPLY GALLONS/ACR
ANIONIC ASPHALT EMULSION	7:1	COARSE SPRAY	1200
LATEX EMULSION	12.5:1	FINE SPRAY	235
RESIN IN WATER	4:1	FINE SPRAY	300
POLYACRYLAMIDE (PAM) - SPRAY ON	APPLY ACCORDING TO MANUFACTURERS INSTRUCTIONS. MAY ALSO BE USED AS AN ADDITIVE TO SEDIMENT BASINS TO FLOCCULATE AND PRECIPITATE SUSPENDED COLLOIDS. SEE SEDIMENT BASIN STANDARD, P. 28-1		
POLYACRYLAMIDE (PAM) - DRY SPREAD			
ADULCULATED SOY BEAN SOAP STICK	NONE	COARSE SPRAY	1200

TILLAGE - TO ROUGHEN SURFACE AND BRING CLODS 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 THE SURFACE IS WET.

BARRIERS - SOLID BOARD FENCES, SNOW FENCES, 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 OR 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.

STANDARD FOR DEWATERING

CONDITIONS WHERE PRACTICE APPLIES:

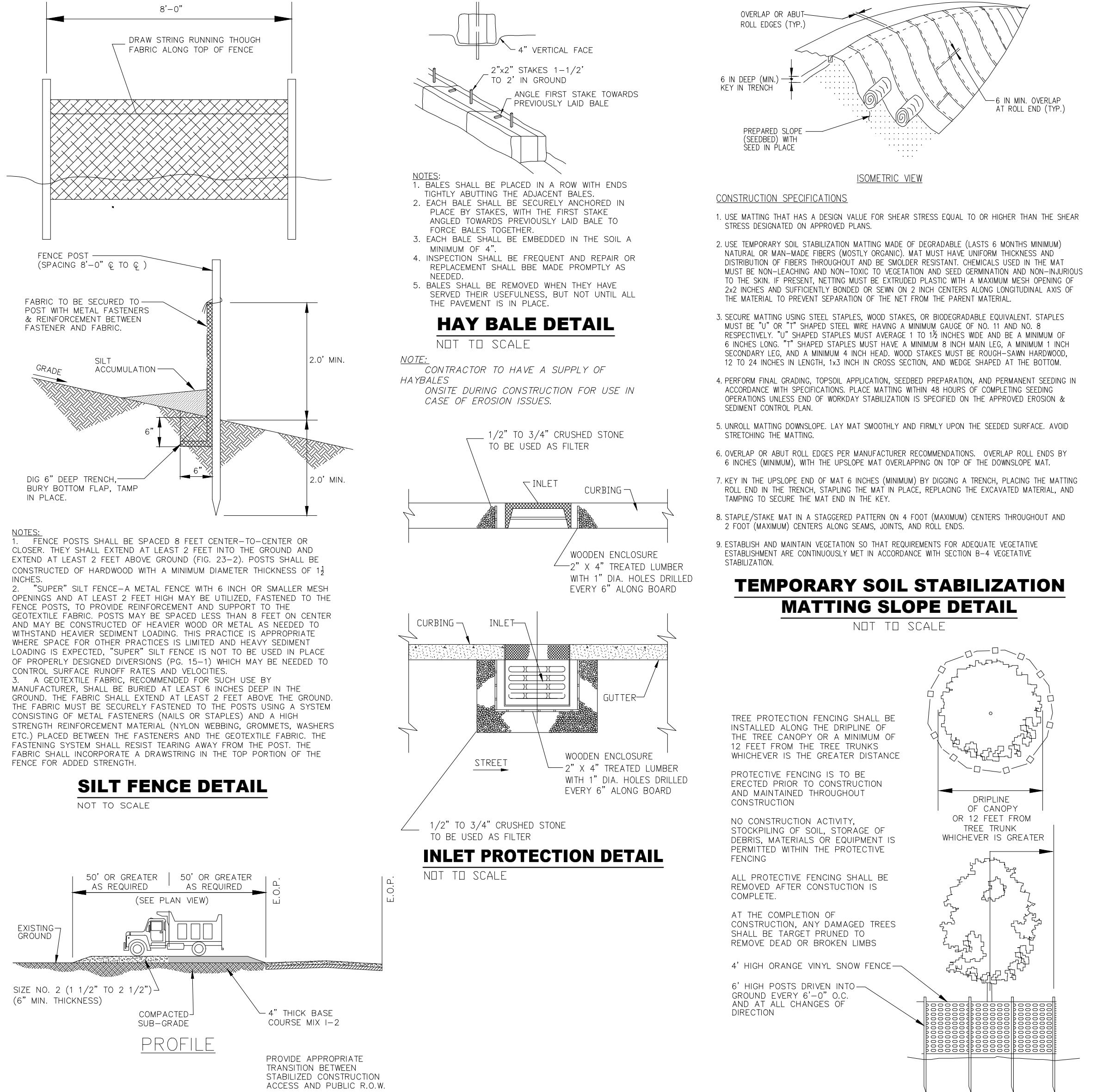
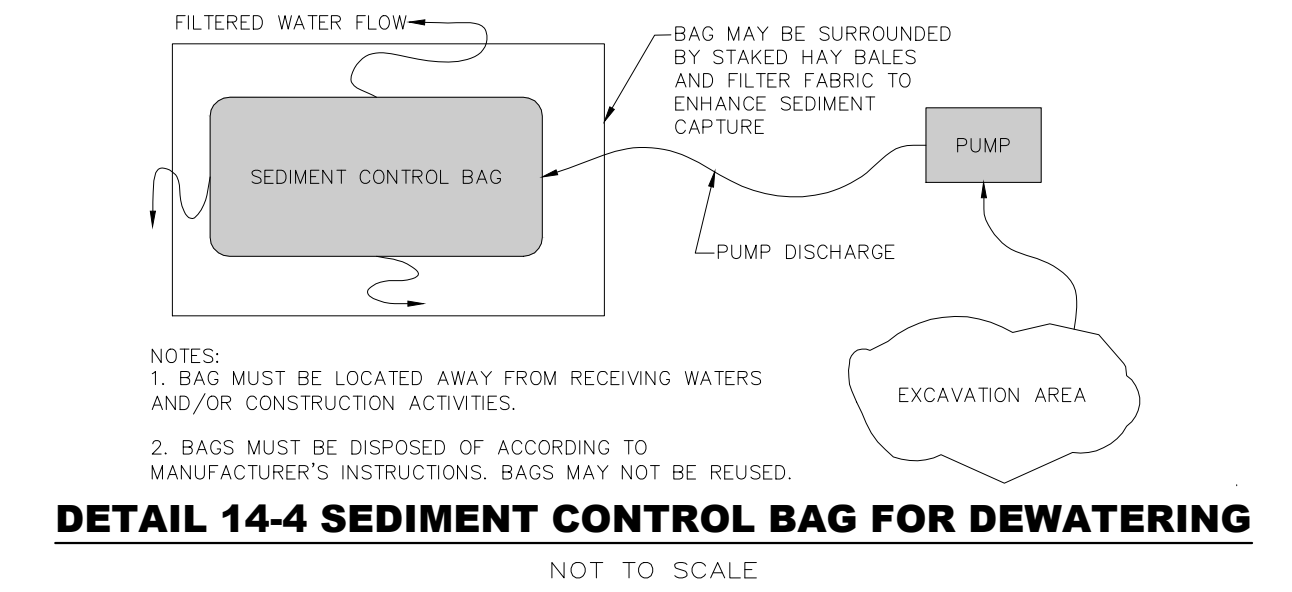
DURING CONSTRUCTION EXCAVATED FACILITIES MAY NEED TO BE DEWATERED TO FACILITATE OR COMPLETE THE CONSTRUCTION PROCESS. THE WATER PUMPED OUT OF THE EXCAVATED AREAS CONTAIN SEDIMENTS THAT MUST BE REMOVED PRIOR TO DISCHARGING TO RECEIVING BODIES OF WATER. THIS STANDARD DOES NOT ADDRESS THE REMOVAL OF GROUND WATER THROUGH WELL POINTS ETC. THIS STANDARD DESCRIBES THE FOLLOWING PRACTICE FOR THE REMOVAL OF SEDIMENT LADEN WATERS FROM EXCAVATION AREA: SILT CONTROL BAGS.

SEDIMENT TANK / SILT CONTROL BAGS ARE CONTAINERS THROUGH WHICH SEDIMENT LADEN WATER IS PUMPED TO TRAP AND RETAIN THE SEDIMENT. A SEDIMENT TANK OR A SILT CONTROL BAG IS TO BE USED ON SITES WHERE EXCAVATIONS ARE DEEP, AND SPACE IS LIMITED AND WHERE DIRECT DISCHARGE OF SEDIMENT LADEN WATER TO STREAM AND STORM DRAINAGE SYSTEMS IS TO BE AVOIDED.

CONSTRUCTION SPECIFICATIONS:

- A. LOCATION, CONTAINERS (TANKS OR 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. TANK SIZE, THE FOLLOWING FORMULA SHOULD BE USED IN DETERMINING THE STORAGE VOLUME OF THE TANK: 1 CUBIC FOOT OF STORAGE FOR EACH GALLON PER MINUTE OF PUMP DISCHARGE CAPACITY. TYPICAL TANK CONFIGURATION IS SHOWN ON DETAIL 14-3. TANKS MAY BE CONNECTED IN SERIES TO INCREASE EFFECTIVENESS.
- C. TANKS CONSIST OF TWO CONCENTRIC CIRCULAR PIPES (CMP), ATTACHED TO A WATERTIGHT BASEPLATE. THE INNER CMP IS PERFORATED WITH 1" HOLES ON 6" CENTERS AND IS WRAPPED WITH GEOTEXTILE AND HARDWARE CLOTH. PUMPED WATER IS DISCHARGED INTO THE INNER CMP WHERE IT FLOWS THROUGH THE GEOTEXTILE INTO THE SPACE BETWEEN THE TWO CMP'S. A DISCHARGE LINE IS ATTACHED TO THE OUTER CMP AND DRAINS FILTERED WATER FROM THE ANNULUS BETWEEN THE TWO CONCENTRIC CMP'S. THE DISCHARGE LINE MAY BE CONNECTED TO ANOTHER TANK WHERE IT DRAINS TO THE INNER CMP OF THE SECOND TANK. THIS SERIES CONNECTION MAY BE CONTINUED INDEFINITELY.
- D. SEDIMENT CONTROL BAGS MUST BE LOCATED AWAY FROM RECEIVING WATERS AND DISPOSED OF ACCORDING TO MANUFACTURER'S INSTRUCTIONS. SEE DETAIL 14-4. BAGS MAY BE COMBINED WITH TEMPORARY FILTERS (ITEM 4, FOLLOWING) FOR ENHANCED FILTRATION.

TEMPORARY FILTERS FOR SMALL IMPOUNDMENTS FOR SMALL QUANTITIES OF PONDED WATER SUCH AS MAY BE FOUND IN SHALLOW EXCAVATIONS (SMALL TRENCHES, MANHOLE INSTALLATIONS ETC.) A SEDIMENT FILTER MAY BE CONSTRUCTED USING COMBINATIONS OF HAY BALS, SMALL CLEAN STONE AND FILTER FABRIC. THIS METHOD IS LIMITED TO SMALL QUANTITIES OF TRAPPED SURFACE WATER (PUMPING OF WELL POINTS IS EXCLUDED FROM THIS STANDARD) AND WHERE SEDIMENTS ARE NOT HIGHLY COLLOIDAL IN NATURE.



AREA OF DISTURBANCE

57,799.81 S.F.

SOIL DE-COMPACTION AND TESTING REQUIREMENTS

- A. 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. LOCATION ID'S SHALL BE USED TO COMPLETE 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.
- B. COMPACTION TESTING METHODS
- PROBING WIRE TEST (SEE DETAIL)
 - HAND-HELD PENETROMETER TEST (SEE DETAIL)
 - TUBE BULK DENSITY TEST (LICENSED PROFESSIONAL REQUIRED)
 - NUCLEAR DENSITY TEST (LICENSED PROFESSIONAL REQUIRED)
- NOTE: ADDITIONAL TESTING METHODS WHICH CONFORM TO ASTM STANDARDS AND SPECIFICATIONS, AND WHICH PROVIDE A DRY WEIGHT, SOIL BULK DENSITY MEASUREMENT MAY BE ALLOWED SUBJECT TO DISTRICT APPROVAL.
- DETAILED REQUIREMENTS FOR EACH COMPACTION TESTING METHOD CAN BE FOUND IN SECTION 19 "STANDARD FOR LAND GRADING" OF THE NJ STANDARD FOR SOIL EROSION AND SEDIMENT CONTROL, LATEST EDITION.
7. 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.
- C. 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.

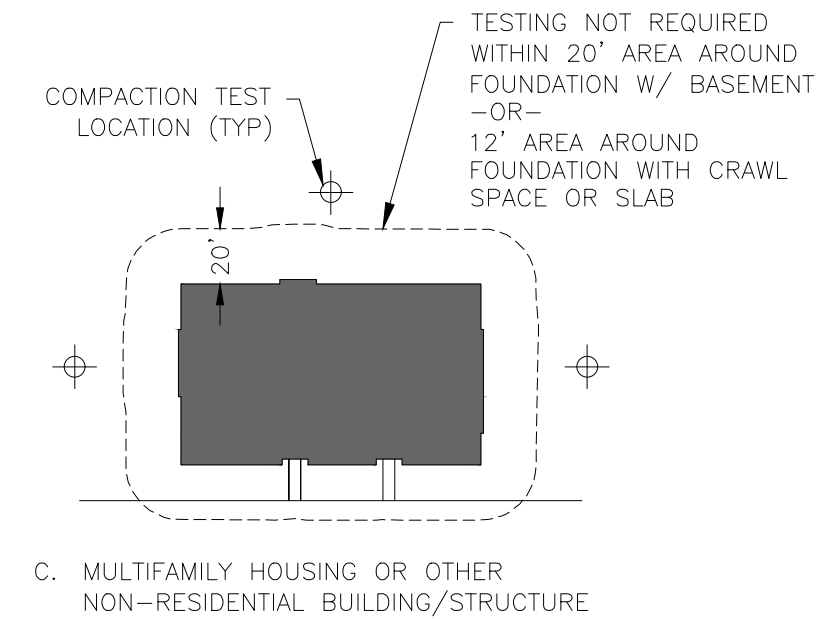
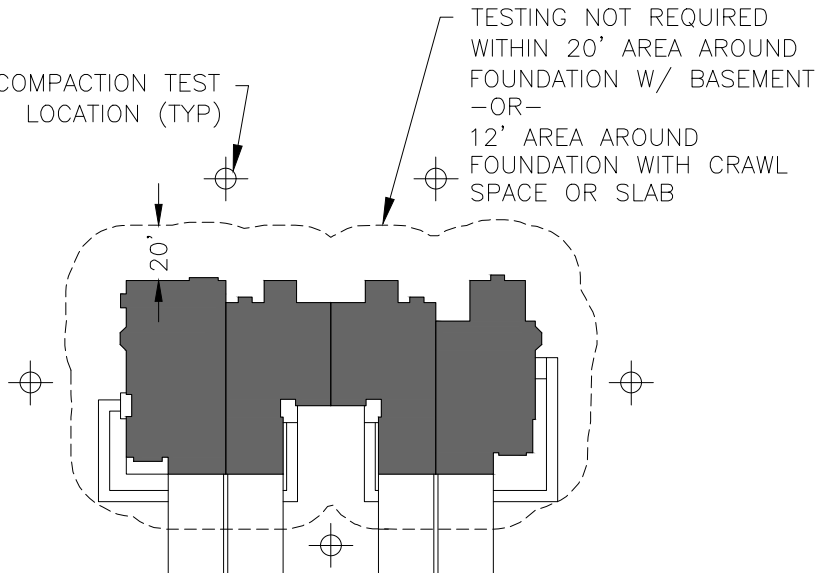
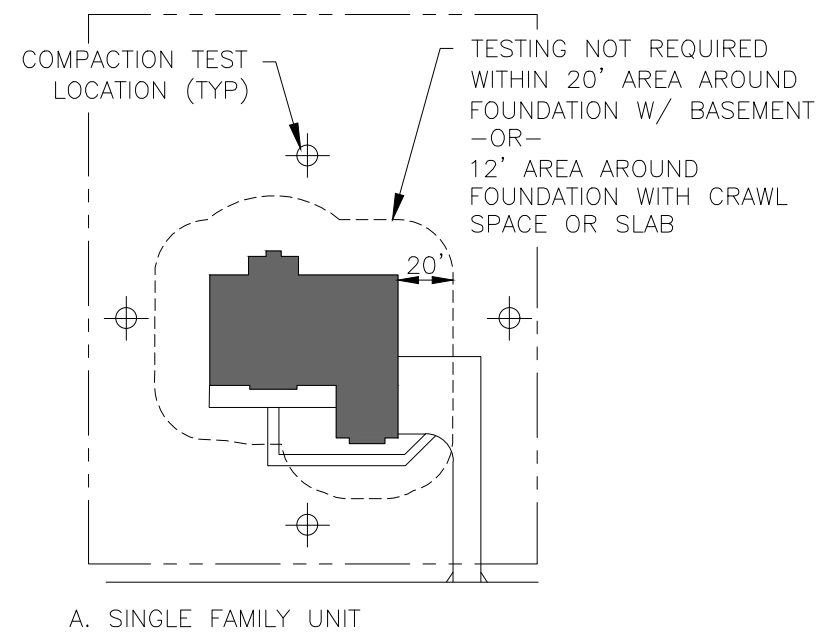
SEQUENCE OF CONSTRUCTION

AFTER ROUGH GRADING SITE TO 4" BELOW PROPOSED GRADES.

- CONDUCT SOIL COMPACTION TESTS IN LOCATIONS SHOWN ON PLAN.
 - IF TESTS PASS, SUBMIT TEST RESULTS TO OCEAN COUNTY SOIL CONSERVATION DISTRICT.
 - IF TESTS FAIL, RESTORATION OF COMPACTED SOILS SHALL BE CONDUCTED THROUGH DEEP SCARIFICATION/TILLAGE (6" MINIMUM DEPTH).
 - RECEIVE CERTIFICATE OF COMPLIANCE FROM OCEAN COUNTY SOIL CONSERVATION DISTRICT.
 - APPLY TOPSOIL TO AN AVERAGE DEPTH OF 5 INCHES (4 INCHES MINIMUM) FIRMED IN PLACE (SEE STANDARD "TOPSOILING" PG. 8-2).
- THEN REGRADE AND STABILIZE LAWN AREAS. (AS REQUIRED)

TOTAL SOIL COMPACTION AREA

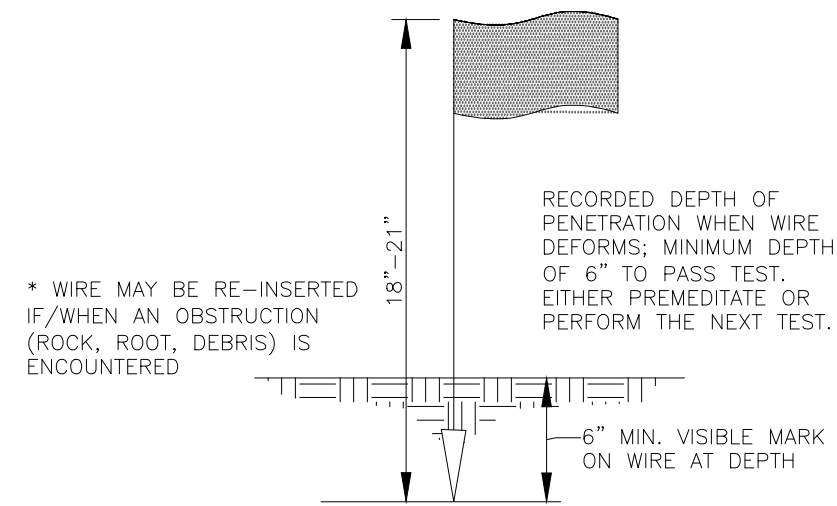
± XXX AC.



NOTE: SOIL COMPACTION TEST LOCATIONS IDENTIFIED ARE RECOMMENDED LOCATIONS FOR GRADED/DISTURBED AREAS WITHIN THE VICINITY OF BUILDINGS AND STRUCTURES OR ON INDIVIDUAL LOTS. FOR GRADED/DISTURBED AREAS WITHIN OPEN OR COMMON SPACES, SOIL COMPACTION TESTING SHALL BE PERFORMED IN ACCORDANCE WITH THE FREQUENCY LISTED IN THE LEGEND (THIS SHEET)

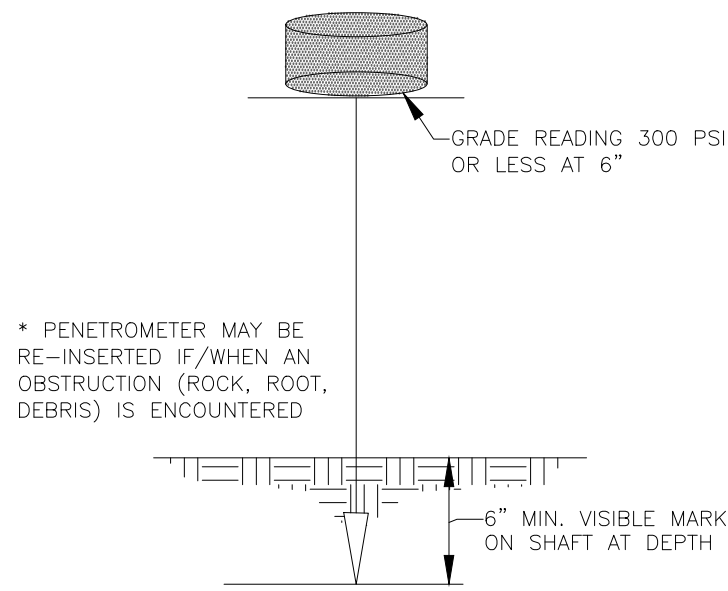
TYPICAL SOIL COMPACTION TESTING LOCATIONS

N.T.S.



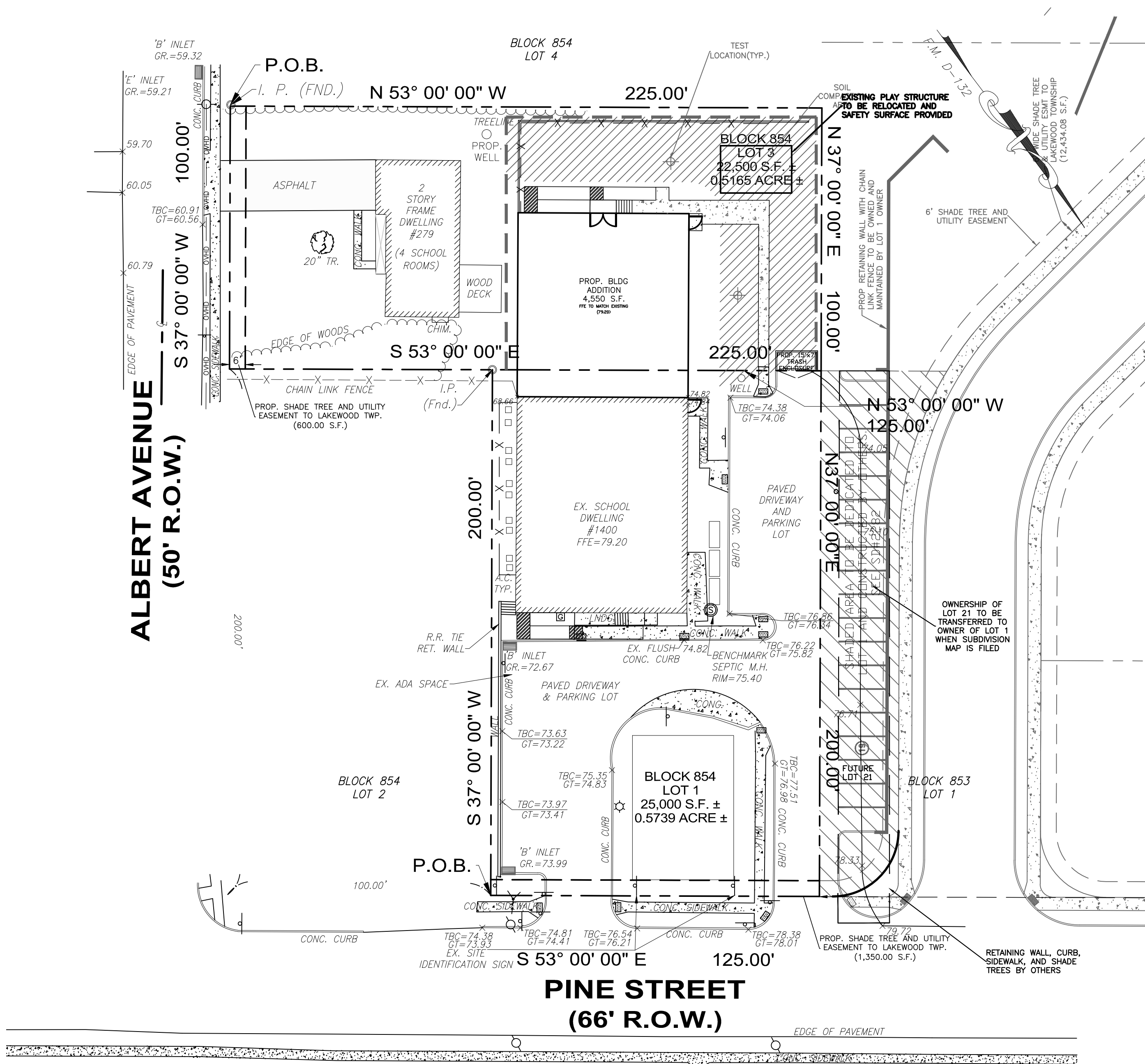
PROBING WIRE TEST
15.5 GA. STEEL WIRE (SURVEY FLAG)
N.T.S.

NOTE: SOIL SHOULD BE MOIST BUT NOT SATURATED. DO NOT TEST WHEN SOIL IS EXCESSIVELY DRY OR SUBJECT TO FREEZING TEMPERATURES. SLOW, STEADY DOWNGRADE PRESSURE USED TO ADVANCE THE WIRE.

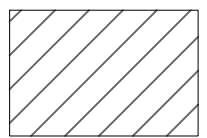


HANDHELD SOIL PENETROMETER TEST
N.T.S.

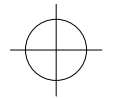
NOTE: SOIL SHOULD BE MOIST BUT NOT SATURATED. DO NOT TEST WHEN SOIL IS EXCESSIVELY DRY OR SUBJECT TO FREEZING TEMPERATURES. SLOW, STEADY DOWNGRADE PRESSURE USED TO ADVANCE THE WIRE.



LEGEND



SOIL COMPACTION TESTING AREAS



RECOMMENDED SOIL COMPACTION TEST LOCATION (APPROX. 1 PER/.5 ACRE)

GRAPHIC SCALE



(IN FEET)
1 inch = 1/4 ft.

MAJOR SITE PLAN
SOIL MANAGEMENT & PREPARATION PLAN
1400 PINE STREET & 279 ALBERT AVENUE
BLOCK 854 LOTS 1 & 3
LAKEWOOD TOWNSHIP, OCEAN COUNTY, NEW JERSEY

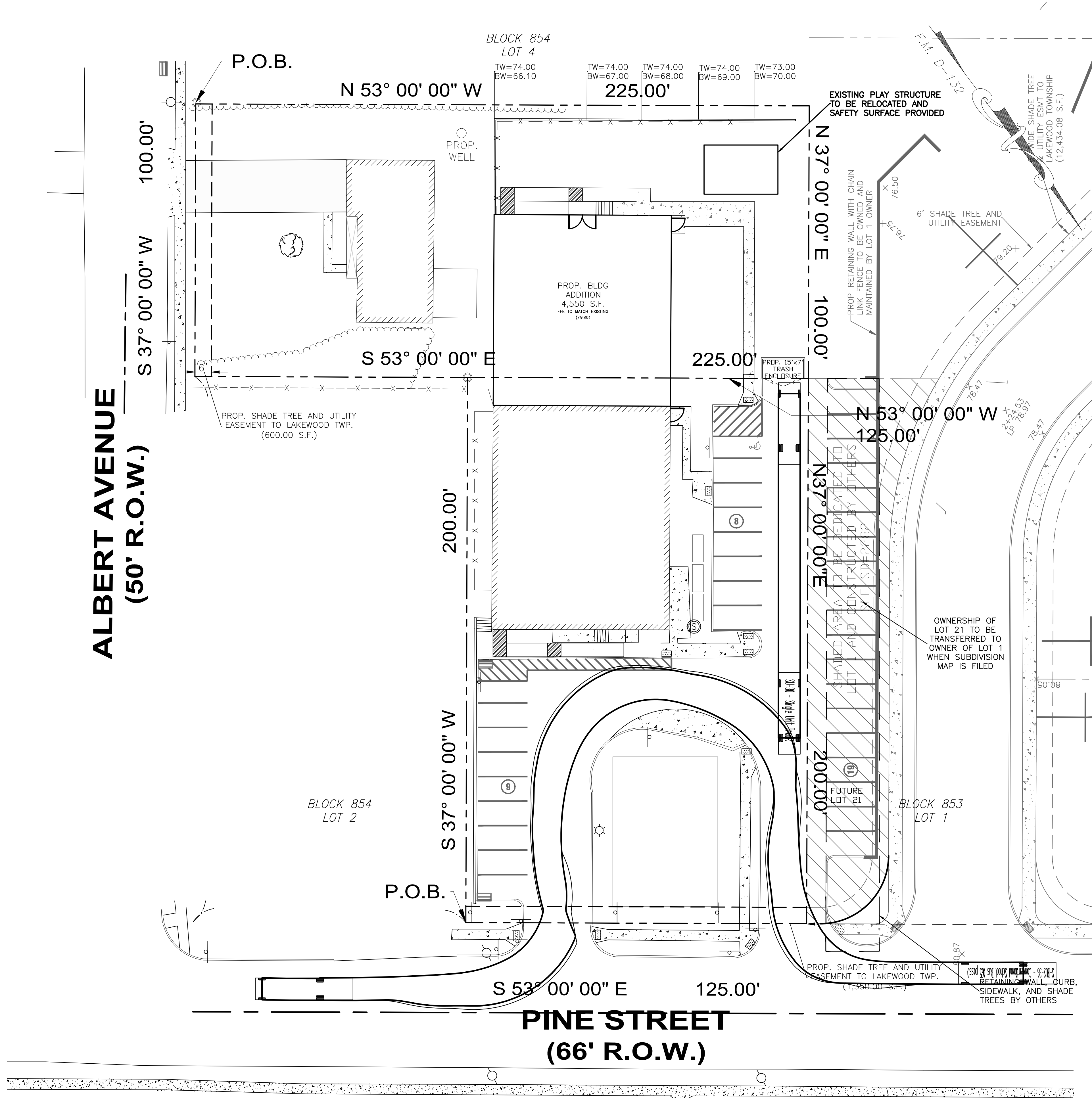
NEWLINES
ENGINEERING & SURVEY
CERTIFICATE #24GA28264200

GLENN D. LINES, P.E., P.P.

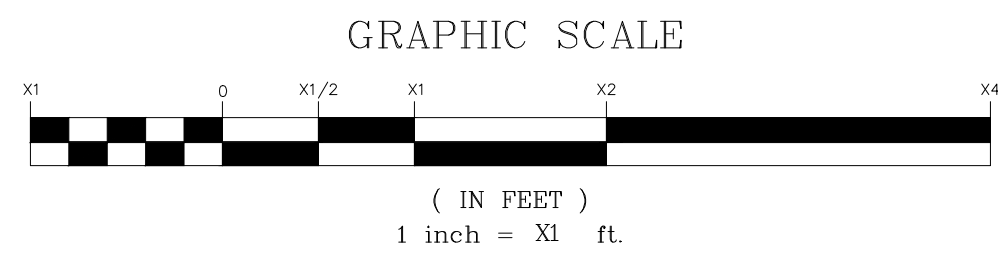
LICENSED PROFESSIONAL ENGINEER AND PLANNER
STATE OF NEW JERSEY LICENSE NO. 33011 (P.E.) 4086 (P.P.)

DATE

PROJECT NO. 19040
DRAWN BY HB
SCALE 1" = 30'
DATE 03-19-19
SHEET 7 OF 8



CONTRACTOR TO CALL AT LEAST 72 HOURS PRIOR TO COMMENCEMENT OF EXCAVATION WORK.



MAJOR SITE PLAN
CIRCULATION PLAN
1400 PINE STREET & 279 ALBERT AVENUE
BLOCK 854 LOTS 1 & 3
LAKEWOOD TOWNSHIP, OCEAN COUNTY, NEW JERSEY

NEWLINES
ENGINEERING & SURVEY
CERTIFICATE #24GA28264200

315 Monmouth Avenue
Suite 205
Lakewood, New Jersey 08701
Phone (732) 994-4900
Fax (732) 994-4999

PROJECT NO. 19040
DRAWN BY HB
SCALE 1" = 20'
DATE 03-19-19
SHEET 8 OF 8

GLENN D. LINES, P.E., P.P.
LICENSED PROFESSIONAL ENGINEER AND PLANNER
STATE OF NEW JERSEY LICENSE NO. 33011 (P.E.) 4086 (P.P.)
DATE