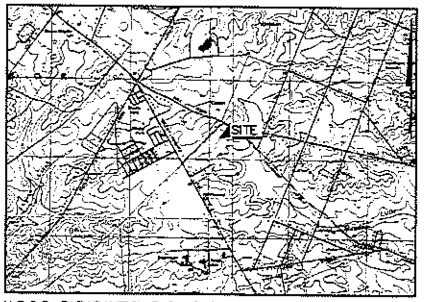


U.S.G.S. PLEASANTVILLE QUAD SHEET LOCATION MAP

SCALE: 1" = 2,000'

PROJECT NOTES

A. GENERAL SITE NOTES

1. TRACT FOR DEVELOPMENT CONSISTS OF LOTS 21 & 22, BLOCK 5202, OF THE OFFICIAL TAX MAP OF EGG HARBOR TOWNSHIP.
2. TRACT FOR DEVELOPMENT IS ZONED RG-1 AS INDICATED ON THE OFFICIAL ZONING MAP OF EGG HARBOR TOWNSHIP AND WILL BE DEVELOPED WITH PINELANDS DEVELOPMENT CREDITS.
3. TOTAL AREA OF TRACT = 14.519± ACRES OF LAND.
4. PROPOSED NUMBER OF LOTS = 19 (18 SINGLE FAMILY LOTS AND 1 OPEN SPACE LOT). THE OPEN SPACE LOT AND STORMWATER MANAGEMENT SYSTEM WILL BE OWNED AND MAINTAINED BY EGG HARBOR TOWNSHIP.
5. THIS SUBDIVISION SHALL COMPLY WITH THE CURRENT RECYCLING PROGRAM IN EFFECT IN EGG HARBOR TOWNSHIP.
6. THE PROPOSED DEVELOPMENT HAS BEEN DESIGNED IN ACCORDANCE WITH THE NEW JERSEY RESIDENTIAL SITE IMPROVEMENT STANDARDS (NJAC 5:21) THAT WERE IN EFFECT AT THE TIME OF THE PRELIMINARY AND FINAL APPROVAL, AND DOES NOT REQUIRE ANY WAIVERS, EXCEPTIONS OR VARIANCES FROM THESE STANDARDS (EXCEPT THOSE THAT HAVE BEEN REQUESTED BY THE APPLICANT AND APPROVED BY THE BOARD).
7. GRADING AROUND BUILDING AND FINISHED FLOOR ELEVATIONS ARE SUBJECT TO CHANGE UPON REVIEW OF CONSTRUCTION PLANS OF PROPOSED BUILDINGS UNITS.
8. ALL BARRIER FREE DESIGN AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST A.D.A. AND N.J.D.O.T. STANDARDS.
9. ANY VARIATIONS FROM THE PLANS MUST BE AUTHORIZED BY THE DESIGN ENGINEER AND APPROVED BY THE TOWNSHIP ENGINEER.
10. THIS SET OF PLANS SHALL NOT BE UTILIZED AS CONSTRUCTION DOCUMENTS UNTIL EACH PLAN HAS BEEN HAS BEEN REVISED TO INDICATE "ISSUED FOR CONSTRUCTION".
11. CONSTRUCTION DETAILS/SHOP DRAWINGS UTILIZED BY THE CONTRACTOR SHALL BE REVIEWED AND APPROVED BY THE TOWNSHIP ENGINEER.
12. REFER TO COMPLETE SET OF PLANS FOR ADDITIONAL INFORMATION.
13. THIS SET OF DRAWINGS AND ALL INFORMATION CONTAINED HEREIN IS AUTHORIZED FOR THE USE ONLY BY THE PARTY FOR WHOM THE WORK IS CONTRACTED OR WHOM IT IS CERTIFIED. THIS SET OF DRAWINGS MAY NOT BE COPIED, REUSED, DISCLOSED, DISTRIBUTED, OR RELIED UPON FOR ANY OTHER PURPOSE WITHOUT THE WRITTEN CONSENT OF MARATHON ENGINEERING & ENVIRONMENTAL SERVICES, INC.
14. ANY DEMOLITION MATERIAL SHALL BE PROPERLY DISPOSED OF AND NO ON-SITE BURIAL IS PERMITTED.
15. THE DEVELOPER AND/OR CONTRACTOR SHALL OBTAIN A STREET OPENING/ACCESS PERMIT FROM ATLANTIC COUNTY AND EGG HARBOR TOWNSHIP PRIOR TO THE START OF CONSTRUCTION.
16. PRIOR TO ANY WORK BEING PERFORMED WITHIN CHELSEA AVENUE, THE EGG HARBOR TOWNSHIP POLICE DEPARTMENT SHALL BE CONTACTED REGARDING PROVISIONS FOR ANY TRAFFIC CONTROL MEASURES THAT MAY NEED TO BE IMPLEMENTED DURING CONSTRUCTION.
17. NO TOPSOIL SHALL BE REMOVED FROM THE SITE OR USED AS FILL IN ACCORDANCE WITH EGG HARBOR TOWNSHIP DESIGN STANDARDS 94-21(H).
18. EXISTING TREES OF 4" CALIPER OR GREATER SHALL BE PRESERVED WITHIN THE FRONT, SIDE, AND REAR YARDS NOT RECEIVING IMPROVEMENTS.
19. IN ACCORDANCE WITH NJAC 5:21-6.2(C)(12)(VI) UPON COMPLETION OF THE BASE COURSE PAVING, AS-BUILT PLANS FOR WATER, SANITARY SEWER (INCLUDING THE LOCATION OF PLUMBING WYES) AND STORM SEWER IMPROVEMENTS SHALL BE SUBMITTED TO THE TOWNSHIP ENGINEER FOR THE REVIEW AND APPROVAL.

B. SURVEY NOTES

1. BOUNDARY, TOPOGRAPHIC SURVEY OF BLOCK 5202, LOTS 21, 22, 34 & 70 CHELSEA AVENUE, TOWNSHIP OF EGG HARBOR, ATLANTIC COUNTY, NEW JERSEY BY WARREN H. KNOTT & ASSOCIATES, DATED 08/14/06 AND REVISED 08/29/06.
2. VERTICAL DATUM IS BASED ON NGVD 29', BOX CUT IN CONCRETE PORTION OF RECTANGULAR MANHOLE, NORTHEAST CORNER OF MILL ROAD AND OCEAN HEIGHTS AVENUE, ATLANTIC COUNTY BENCHMARK 3602-96-09. INFORMATION PROVIDED BY THE COUNTY OF ATLANTIC, DIVISION OF ENGINEERING.
3. HORIZONTAL DATUM IS BASED ON NORTH AMERICAN HORIZONTAL DATUM OF 1929. USGS MONUMENT 7842 AND 7843 WAS USED TO ESTABLISH HORIZONTAL CONTROL.
4. HORIZONTAL AND VERTICAL CONTROL CONVERTED USING ARMY CORPS OF ENGINEERS, CORPSCAN CONVERSION PROGRAM TO NAD 83 AND NAVD 88.

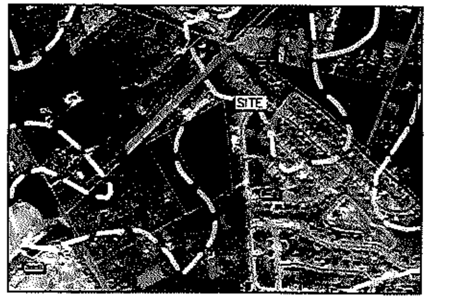
C. CONTRACTOR/OWNER RESPONSIBILITY NOTES

1. THE CONTRACTOR/OWNER SHALL DESIGNATE A PERSON THAT IS KNOWLEDGEABLE OF CONSTRUCTION SAFETY STANDARDS AND IS EXPECTED TO BE AT THE CONSTRUCTION SITE ON A REGULAR BASIS. THIS PERSON SHALL BE RESPONSIBLE FOR THE IMPLEMENTATION, DISCHARGE, AND MONITORING OF SAFETY STANDARDS AND PRACTICES AT THE SITE. THE CONTRACTOR/OWNER SHALL PROVIDE DESIGN ENGINEER WITH NAME, ADDRESS AND TELEPHONE NUMBER OF DESIGNEE. IN LIEU OF THIS INFORMATION, THE REPRESENTATIVE PERSON FROM THE CONTRACTOR'S ORGANIZATION WHO SIGNED THE CONTRACT SHALL HEREBY BE RESPONSIBLE FOR THIS FUNCTION.
2. THE CONTRACTOR SHALL SCHEDULE ALL CONSTRUCTION TO BE IN ACCORDANCE WITH CURRENT O.S.H.A. STANDARDS.
3. THE SITE CONTRACTOR IS TO VERIFY WITH DESIGN ENGINEER ON WHAT PERMITS AND APPROVALS ARE PENDING OR HAVE BEEN APPROVED.
4. THE SITE CONTRACTOR IS TO VERIFY AND MATCH HORIZONTAL AND VERTICAL ELEVATIONS.
5. CONTRACTOR SHALL PERFORM ALL WORK IN A WORKMANLIKE MANNER IN ACCORDANCE WITH ALL APPLICABLE CODES, ORDINANCES, AND MANUFACTURERS' RECOMMENDATIONS AND STANDARDS.
6. ALL DIMENSIONS AND EXISTING CONDITIONS MUST BE VERIFIED BY CONTRACTOR AND OWNER MUST BE NOTIFIED OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK.
7. UNDERGROUND UTILITIES LOCATIONS ARE APPROXIMATE AND ARE TO BE VERIFIED IN THE FIELD BY THE CONTRACTOR AT THE TIME OF CONSTRUCTION. THE CONTRACTOR SHALL CALL 1-800-272-1000 FOR FIELD LOCATIONS OF UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION.
8. THE CONTRACTOR SHALL VERIFY IN FIELD ALL CONDITIONS AS SHOWN ON THE PLANS AND SHALL BE RESPONSIBLE FOR FIELD MEASUREMENTS FOR ALL NEW CONSTRUCTION. REFER TO ARCHITECTURAL DRAWINGS FOR ANY INFORMATION NOT SHOWN HERE.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SHORING, UNDERPINNING AND STRUCTURAL STABILITY DURING CONSTRUCTION.
10. IN THE EVENT CONDITIONS AT THE SITE ARE NOTICEABLY DIFFERENT (AT THE TIME OF CONSTRUCTION) FROM THE DOCUMENTS PROVIDED, THE CONTRACTOR AND/OR OWNER SHALL NOTIFY THE DESIGN ENGINEER.
11. THE PROPOSED SITE GRADING DEPICTED IN THESE PLANS IS INTENDED TO PROVIDE A GENERAL GUIDE FOR GRADING. THE GENERAL CONTRACTOR, CONSTRUCTION MANAGER OR OWNER SHALL INSTRUCT THE CONCRETE CONTRACTOR TO TAKE CARE IN SETTING FORMS FOR PEDESTRIAN AREAS TO INSURE THAT THEY CONFORM TO THE NEW JERSEY BARRIER FREE SUBCODE.
12. THE CONTRACTOR SHALL COMPLY WITH ALL CONDITIONS OF APPROVAL IMPOSED BY ALL REGULATORY AGENCIES HAVING JURISDICTION AS IT RELATES TO THE CONSTRUCTION AND MAINTENANCE OF THE IMPROVEMENTS.
13. ALL CONTRACTOR DAMAGE TO ANY EXISTING FEATURE SUCH AS, BUT NOT LIMITED TO, CONCRETE CURBS, CONCRETE WALKS, PAVING, LIGHTS, PLANTERS, SIGNS, UTILITIES OR BUILDINGS NOT SCHEDULED FOR REMOVAL SHALL BE RESTORED TO ORIGINAL CONDITION BY THE CONTRACTOR, AT NO ADDITIONAL COST TO THE OWNER.
14. THE OWNER, OR HIS REPRESENTATIVE, IS TO DESIGNATE AN INDIVIDUAL RESPONSIBLE FOR CONSTRUCTION SITE SAFETY DURING THE COURSE OF SITE IMPROVEMENTS PURSUANT TO N.J.A.C. 5:23-2.21 (C) OF THE N.J. UNIFORM CONSTRUCTION CODE, AND CFR 1926.32 (F) (OSHA COMPETENT PERSON).

D. ROADWAY & SIGNAGE NOTES

1. ALL CONSTRUCTION UNDER THIS CONTRACT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE NEW JERSEY DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION AS AMENDED.
2. ALL ROADWAY DESIGN AND CONSTRUCTION FOR MUNICIPAL ROADS SHALL BE IN ACCORDANCE WITH STANDARDS SET FORTH BY EGG HARBOR TOWNSHIP AND THE NEW JERSEY RSIS STANDARDS.
3. ALL TRAFFIC SIGN PLACEMENT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, U.S. DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION AS AMENDED. ALL SIGNS SHALL BE MOUNTED ON BREAKAWAY SIGN POSTS AS DETAILED AND APPROVED BY NJDOT.
4. THE APPLICANT SHALL NOTIFY THE TOWNSHIP ENGINEER A MINIMUM OF 24 HOURS PRIOR TO THE START OF ANY ROAD CONSTRUCTION.
5. ALL ROADWAY SUBGRADES SHALL BE TESTED IN ACCORDANCE WITH THE ORDINANCE. ANY DEFICIENCIES SHALL BE CORRECTED TO THE SATISFACTION OF THE TOWNSHIP ENGINEER.
6. THE SURFACE COURSE SHALL NOT BE CONSTRUCTED UNTIL A MINIMUM OF ONE (1) YEAR AFTER THE COMPLETION OF THE BASE COURSE, EXCEPT THAT TEMPORARY PAVING SHALL BE PLACED AROUND ALL MANHOLES, VALVES, BOXES, INLETS, ETC.
7. ROADWAY TEST CORES SHALL BE PROVIDED IN ACCORDANCE WITH THE ORDINANCE AND WITNESSED BY THE TOWNSHIP ENGINEER.
8. DRIVEWAYS WITHIN NEWLY CONSTRUCTED SUBDIVISIONS SHALL BE PAVED IN ACCORDANCE WITH EGG HARBOR TOWNSHIP SPECIFICATIONS.
9. MATERIAL PLACED AS FILL SHALL BE FREE OF DETRIMENTAL AMOUNTS OF SOD, ROOTS, STONE (>3" DIAMETER), FROZEN SOIL AND OTHER OBJECTIONABLE MATERIALS.

EXISTING UTILITY INFORMATION SHOWN ON THESE PLANS IS FURNISHED BY THE UTILITY COMPANIES AND/OR THE SURVEYOR AND THE ACCURACY THEREOF IS NOT THE RESPONSIBILITY OF MARATHON ENGINEERING & ENVIRONMENTAL SERVICES, INC. IT IS THE RESPONSIBILITY OF THE OWNERS AND/OR CONTRACTOR TO CALL 1-800-272-1000 FOR FIELD LOCATION OF UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION.



N.R.C.S. SOILS MAP OF ATLANTIC COUNTY

SCALE: 1" = 500'

E. UTILITY NOTES

1. ALL PROPOSED UTILITIES SHALL BE INSTALLED UNDERGROUND WITHIN THE STREET RIGHT-OF-WAY.
2. STORMWATER MANAGEMENT SHALL BE IN ACCORDANCE WITH STANDARDS SET FORTH BY EGG HARBOR TOWNSHIP, NEW JERSEY RESIDENTIAL SITE IMPROVEMENT STANDARDS, THE STATE OF NEW JERSEY STORMWATER MANAGEMENT RULES, AND THE NEW JERSEY PINELANDS COMMISSION.
3. STORM SEWER RCP PIPE (ROUND) TO BE IN ACCORDANCE WITH ASTM C-76, CLASS III, WALL B, EXCEPT WHERE NOTED. ALL CONCRETE STORM SEWER PIPE IS TO HAVE EITHER RUBBER GASKET OR BUTYL TAPE JOINTS AND BE WRAPPED WITH MORTAR AND FABRIC ON THE OUTSIDE. ALL 30" AND LARGER PIPE SHALL HAVE THE INSIDE OF THE JOINT MORTARED.
4. DRAINAGE INLET STRUCTURES AND ENDWALLS SHALL BE CONSTRUCTED IN ACCORDANCE WITH NJDOT STANDARD DETAILS.
5. ALL INLETS TO HAVE BICYCLE SAFE GRATES AND ECO-TYPE GRATES.
6. T.C. DESIGNATIONS INDICATE TOP OF CURB ELEVATIONS AND B.C. INDICATES GUTTER ELEVATIONS.
7. GAS, ELECTRIC AND TELEPHONE SERVICE SHALL BE INSTALLED UNDERGROUND THROUGHOUT THE DEVELOPMENT IN ACCORDANCE WITH REGULATIONS OF THE LOCAL UTILITY COMPANIES AND EGG HARBOR TOWNSHIP.
8. ALL MATERIALS, METHODS AND DETAILS OF IMPROVEMENT CONSTRUCTION SHALL CONFORM TO THE REGULATIONS OF EGG HARBOR TOWNSHIP, ATLANTIC COUNTY AND/OR THE APPROPRIATE UTILITY COMPANY, WHICHEVER REGULATION TAKES PRECEDENCE.
9. WHERE IT IS NECESSARY TO CONNECT TO EXISTING UTILITIES WITHIN EXISTING ROADWAYS, THE CONTRACTOR SHALL PROVIDE ALL NECESSARY SAW CUTTING, FOR WATER AND SEWER SERVICE. TRENCHING, BACKFILL, COMPACTION AND PAVING SHALL BE IN ACCORDANCE WITH EGG HARBOR TOWNSHIP AND ATLANTIC COUNTY SPECIFICATIONS, AS APPLICABLE.
10. BEDDING AND BACKFILL FOR THE REINFORCED CONCRETE PIPE SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
11. TELEVISION INSPECTION OF THE STORM SEWER SYSTEM, AT NO EXPENSE TO THE TOWNSHIP, WILL BE REQUIRED PRIOR TO FINAL ACCEPTANCE BY THE TOWNSHIP.
12. PIPE LENGTHS AND GRADIENTS ARE CALCULATED TO THE CENTERLINE OF SANITARY AND STORM SEWER STRUCTURES. ACTUAL PIPE LENGTH MAY BE LESS THAN CALCULATED LENGTH, AND SHOULD BE COMPUTED BY CONTRACTOR PRIOR TO CONSTRUCTION.
13. EXISTING UTILITY INFORMATION SHOWN ON THIS PLAN IS FURNISHED BY THE UTILITY COMPANIES OR SURVEY PLAN BY SURVEYOR AND THE ACCURACY THEREOF IS NOT THE RESPONSIBILITY OF MARATHON ENGINEERING & ENVIRONMENTAL SERVICES, INC. IT IS THE RESPONSIBILITY OF OWNER AND/OR CONTRACTOR TO CALL 1-800-272-1000 FOR FIELD LOCATION OF UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION.
14. SANITARY SEWER DESIGN AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE RULES AND REGULATIONS OF THE EGG HARBOR TOWNSHIP MUNICIPAL UTILITIES AUTHORITY.
15. ALL WATER SERVICE AND PLUMBING SHALL CONFORM TO THE REQUIREMENTS OF THE PLUMBING SUB-CODE OF THE NEW JERSEY STATE UNIFORM CONSTRUCTION CODE N.J.A.C. 5:23-3.15.
16. WATER MAIN DESIGN AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE RULES AND REGULATIONS OF NEW JERSEY AMERICAN WATER.
17. ALL WATER MAINS AND SANITARY OR INDUSTRIAL SEWER LINES SHALL BE SEPARATED BY A HORIZONTAL DISTANCE OF 10 FEET. IF SUCH LATERAL SEPARATION IS NOT POSSIBLE, THE WATER AND SEWER LINES SHALL BE IN SEPARATE TRENCHES (STEP TRENCHES ARE PROHIBITED) WITH THE TOP OF THE SEWER LINES AT LEAST 18 INCHES BELOW THE BOTTOM OF THE WATER MAIN OR WITH SUCH OTHER SEPARATION EXPRESSLY APPROVED BY THE DEPARTMENT. AT CROSSING OF SEWER LINES AND WATER MAINS, THE TOP OF THE SEWER LINES SHALL BE AT LEAST 18 INCHES BELOW THE BOTTOM OF THE WATER MAIN (SEWER SERVICE LATERALS ARE NOT SUBJECT TO THIS REQUIREMENT). IF SUCH VERTICAL SEPARATION IS NOT POSSIBLE, THE SEWER LINE SHALL BE OF WATERTIGHT CONSTRUCTION (I.E., DUCTILE IRON OR REINFORCED CONCRETE PIPE), WITH WATERTIGHT JOINTS THAT ARE A MINIMUM OF 10 FEET FROM THE WATER MAIN.

F. SOILS DATA NOTES

1. SOIL INVESTIGATION PERFORMED BY MARATHON ENGINEERING & ENVIRONMENTAL SERVICES, INC. DATED OCTOBER 31, 2007.
2. FOR SOIL BORING RESULTS REFER TO STORMWATER MANAGEMENT REPORT.
3. SOIL LOGS REFLECT A SAMPLING OF SOIL CONDITIONS IN APPROXIMATE LOCATIONS WITHIN THE AREA OF THE PROPOSED DRAINAGE BASIN AND TO THE DEPTH IN WHICH THEY WERE TAKEN. THEY ARE NOT INTENDED TO REFLECT SOIL CONDITIONS OF THE ENTIRE BASIN. IF AT THE TIME OF EXCAVATION THE CONTRACTOR DETERMINES THAT THERE MAY BE CLAY OR HARD-PACKED CLODS, THE CONTRACTOR SHOULD NOTIFY THE OWNER AND DESIGN ENGINEER TO DETERMINE IF TOTAL REMOVAL IS REQUIRED.
4. ALL SOIL EROSION AND SEDIMENT CONTROL IMPLEMENTATION SHALL BE IN ACCORDANCE WITH STANDARDS SET FORTH BY THE CAPE ATLANTIC COUNTY CONSERVATION DISTRICT.
5. THE OWNER/DEVELOPER SHALL MAKE THE NECESSARY PROVISIONS TO ALLOW THE DESIGN ENGINEER SAFE ACCESS TO THE BOTTOM OF THE BASIN SO THAT REPLICATE POST-CONSTRUCTION PERMEABILITY TESTS OF THE SOIL IN THE BASIN FOOTPRINT MAY BE PERFORMED AND PROVIDED TO THE MUNICIPAL REVIEWING ENGINEER TO VERIFY AS-BUILT PERMEABILITY RATES ARE CONSISTENT WITH DESIGN PERMEABILITY RATES.
6. THE OWNER/DEVELOPER SHALL PROVIDE AN AS-BUILT SURVEY OF THE STORMWATER MANAGEMENT IMPROVEMENTS, AFTER PERMEABILITY IS VERIFIED, TO THE DESIGN ENGINEER AND MUNICIPAL REVIEWING ENGINEER.

PARKING NOTES

1. ALL PARKING AREA DESIGN AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH STANDARDS SET FORTH BY THE NEW JERSEY RESIDENTIAL SITE IMPROVEMENTS STANDARDS TITLE 5, CHAPTER 21 AS AMENDED. EACH UNIT SHALL BE A 4 BEDROOM UNIT REQUIRING 2.5 PARKING SPACES PER UNIT.
2. AS PER THE NEW JERSEY RESIDENTIAL SITE IMPROVEMENT STANDARDS, EACH TWO CAR GARAGE AND DRIVEWAY SHALL COUNT AS 3.5 OFF-STREET PARKING SPACES PROVIDED THAT THE MINIMUM DRIVEWAY DIMENSIONS ARE 20' X 18'.
3. EACH PROPOSED UNIT SHALL HAVE A 2 CAR GARAGE AND A DRIVEWAY PARKING AREA OF 20' X 18' ALLOWING PARKING FOR 2 CARS.
4. THEREFORE 2.5 PARKING SPACES PER UNIT ARE REQUIRED AND 3.5 PARKING SPACES PER UNIT ARE PROVIDED.

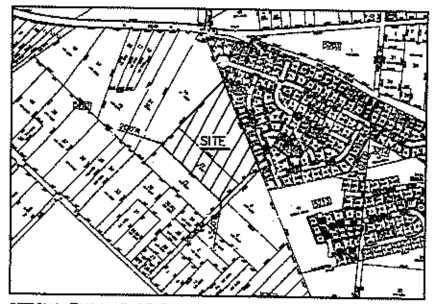
PROPOSED TRAFFIC DETERMINATION

1. PROPOSED PROJECT = 18 SINGLE FAMILY DETACHED UNITS, NO TRAFFIC IMPACT STATEMENT REQUIRED.
2. AVERAGE DAILY MOTOR VEHICLE TRAFFIC TRIP GENERATION PER DWELLING UNIT FOR SINGLE DETACHED UNITS = 10.1 X 18 UNITS = 181.8 TRIPS PER DAY. SEE TABLE 4.2 OF THE NJRSIS STANDARDS.

WATER AND SEWER REPORT

THE APPLICANT PROPOSES TO CONSTRUCT A RESIDENTIAL SUBDIVISION, WHICH INCLUDES 18 SINGLE FAMILY DWELLINGS WITH ASSOCIATED DRIVEWAYS, CURBING, SIDEWALKS, LANDSCAPE AREAS, SITE AMENITIES, AND UTILITIES. THE SUBDIVISION WILL BE SERVICED BY A CONNECTION TO THE EXISTING UTILITY STUBS LOCATED NEAR THE INTERSECTION OF CHELSEA AVENUE AND CHURCHILL DRIVE IN THE ADJACENT FOX TRAIL RIDGE SUBDIVISION. WATER AND SEWER MAINS WILL BE EXTENDED ALONG CHELSEA AVENUE TO A POINT 200 FEET WEST OF THE LIMITS OF THE PROJECT SITE AND WILL BE STUBBED FOR A POSSIBLE FUTURE CONNECTION. THE MAINS WILL BE EXTENDED INTO THE PROPOSED SUBDIVISION, ALONG THE PROPOSED CUL-DE-SAC TO SERVE THE 18 SINGLE FAMILY LOTS THAT ARE PART OF THIS PROJECT. THE WATER MAIN WILL BE OWNED AND OPERATED BY NEW JERSEY AMERICAN WATER COMPANY (NJAW), WHICH HAS BEEN CONTACTED REGARDING THESE IMPROVEMENTS AND APPLICATION FOR APPROVAL WILL BE MADE. THE SANITARY SEWER SYSTEM WILL BE OWNED AND OPERATED BY THE EGG HARBOR TOWNSHIP MUNICIPAL UTILITIES AUTHORITY (EHTMUA) WHICH HAS ALSO BEEN CONTACTED REGARDING THE PROPOSED IMPROVEMENTS. APPLICATION TO THE EHTMUA FOR APPROVAL, AS WELL AS ATLANTIC COUNTY UTILITIES AUTHORITY (ACUA) AND NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION (NJDEP) FOR A TREATMENT WORKS APPROVAL (TWA) IS REQUIRED. THE PROPOSED WATER MAIN ALONG CHELSEA AVENUE WILL BE APPROXIMATELY 870 LF OF 8" CEMENT LINED DUCTILE IRON PIPE WITH A MINIMUM OF FOUR FEET OF COVER AS REQUIRED. THE MAIN WILL HAVE THE REQUIRED VALVING AS WELL AS A HYDRANT AT THE WESTERLY END FOR FIRE PROTECTION AND TO SERVE AS A BLOW-OFF SINCE IT WILL BE A TEMPORARY DEAD-END UNTIL THE POSSIBLE FUTURE EXTENSION OF THE WATER MAIN IS CONSTRUCTED BY OTHERS. THE EIGHT INCH MAIN WILL BE EXTENDED ALONG THE PROPOSED ROAD TO A FIRE HYDRANT AT THE END OF THE CUL-DE-SAC WHICH WILL SERVE AS A BLOW-OFF AT THE END OF THE MAIN. THE ANTICIPATED AVERAGE DAILY RESIDENTIAL WATER DEMAND OF THE 18 UNITS IS CALCULATED TO BE 8,550 GALLONS/ DAY (GPD) PER RSIS TABLE 3.1. THE PROPOSED SANITARY SEWER MAIN ALONG CHELSEA AVENUE WILL CONNECT TO THE EXISTING MANHOLE IN CHELSEA AVENUE NEAR CHURCHILL DRIVE. IT WILL BE APPROXIMATELY 780 LF OF 8" PVC PIPE WITH A MINIMUM OF THREE FEET OF COVER AS REQUIRED WITH PRECAST CONCRETE MANHOLES AT ALL BENDS AND INTERSECTIONS. THE SANITARY SEWER MAIN WILL BE LAID AT A SLOPE OF 0.003 FT/FT, MEETING THE MINIMUM EHTMUA REQUIREMENTS AND HAS SUBSTANTIALLY MORE FLOW CAPACITY THAT REQUIRED FOR THIS PROJECT. THE SEWAGE FLOW THAT THE 18 UNITS ARE ANTICIPATED TO GENERATE IS 5,400 GPD PER NJAC 7:14A-23.3(A). AN EIGHT INCH PVC AT 0.003 FT/FT CAN ACCOMMODATE FLOWS OVER 0.4 MILLION GPD. THE FLOW OF THE SEWAGE WILL BE SOUTHWARDLY FROM THE CUL-DE-SAC RADIUS TO THE INTERSECTION OF THE PROPOSED ROAD WITH CHELSEA AVENUE. THE FLOW WILL CONTINUE EASTWARDLY ALONG THE PROPOSED MAIN IN CHELSEA AVENUE TO THE EXISTING MANHOLE NEAR THE INTERSECTION WITH CHURCHILL DRIVE. FROM THIS POINT THE FLOW OF SEWAGE WILL CONTINUE THROUGH THE FOX TRAIL RIDGE SUBDIVISION TO DELAWARE AVENUE. THE SEWAGE WILL CONTINUE SOUTHEAST THROUGH A SERIES OF COLLECTOR LINES AND PUMP STATIONS OWNED BY THE EHTMUA. THE LAST PUMPING STATION ON THE LOCAL SYSTEM IS KNOWN AS THE BEAVER STATION. FROM THIS POINT THE SEWAGE IS CONVEYED TO THE ACUA REGIONAL CONNECTION POINT AT OCEAN HEIGHTS AND WABASH AVENUE IN LINWOOD, EVENTUALLY DISCHARGING TO, AND BEING TREATED IN, THE ACUA WASTEWATER TREATMENT PLANT IN ATLANTIC CITY AND THEN DISCHARGING TO THE ATLANTIC OCEAN.

THIS PLAN IS NOT FOR CONSTRUCTION PURPOSES.
THIS PLAN IS ISSUED FOR REGULATORY REVIEW PURPOSES ONLY.
THIS PLAN IS NOT VALID UNLESS A RAISED SEAL IS AFFIXED HERETO.



OFFICIAL TAX MAP OF EGG HARBOR TOWNSHIP

SCALE: 1" = 500'

EGG HARBOR TOWNSHIP CERTIFIED OWNER'S LIST WITHIN 200'

FROM LIST DATED NOVEMBER 13, 2008

BLOCK	LOT	PROPERTY LOCATION	PROPERTY OWNER
5202	1.01	215 CHURCHILL DRIVE	BERNARDI, JOHN & SAMANDA, 215 CHURCHILL DRIVE, EGG HARBOR TOWNSHIP, NJ 08234
5202	1.02	213 CHURCHILL DRIVE	BROWN, KEISHA C. & RONALD C., JR, 213 CHURCHILL DRIVE, EGG HARBOR TOWNSHIP, NJ 08234
5202	1.03	211 CHURCHILL DRIVE	SPARANO, KATHERINE, 211 CHURCHILL DRIVE, EGG HARBOR TOWNSHIP, NJ 08234
5202	1.04	209 CHURCHILL DRIVE	MAHAR, NEIA M., 209 CHURCHILL DRIVE, EGG HARBOR TOWNSHIP, NJ 08234
5202	1.05	207 CHURCHILL DRIVE	BOUTOT, BURT E., 207 CHURCHILL DRIVE, EGG HARBOR TOWNSHIP, NJ 08234
5202	1.06	205 CHURCHILL DRIVE	BELL, MATTHEW K & RACHEL A, 205 CHURCHILL DRIVE, EGG HARBOR TOWNSHIP, NJ 08234
5202	1.07	203 CHURCHILL DRIVE	CERNIGLIA, AUDREY & YOUNG, SHAWN, 203 CHURCHILL DRIVE, EGG HARBOR TOWNSHIP, NJ 08234
5202	1.08	201 CHURCHILL DRIVE	WEER, STUART B. & TRACEY M., 201 CHURCHILL DRIVE, EGG HARBOR TOWNSHIP, NJ 08234
5202	1.09	40 GALLANT FOX LANE	DELTON, WILLIAM H., 40 GALLANT FOX LANE, EGG HARBOR TOWNSHIP, NJ 08234
5202	1.10	42 GALLANT FOX LANE	MILLER, WESLEY & WALKER, ANDREA, 42 GALLANT FOX LANE, EGG HARBOR TOWNSHIP, NJ 08234
5202	1.11	44 GALLANT FOX LANE	HEENAN, THOMAS R. & SADYE E., 44 GALLANT FOX LANE, EGG HARBOR TOWNSHIP, NJ 08234
5202	1.12	46 GALLANT FOX LANE	ORION, NOLAN E & COLLEEN, 46 GALLANT FOX LANE, EGG HARBOR TOWNSHIP, NJ 08234
5202	1.13	48 GALLANT LANE	KRZYK, THEODORE J. & DOROTHY G., 48 GALLANT FOX LANE, EGG HARBOR TOWNSHIP, NJ 08234
5202	1.15	45 GALLANT FOX LANE	HURTADO, JAVIER & BOLLY, TINA, 45 GALLANT FOX LANE, EGG HARBOR TOWNSHIP, NJ 08234
5202	20	6157 MILL ROAD	MENDEL, PAUL, 6157 MILL ROAD, EGG HARBOR TOWNSHIP, NJ 08234
5202	35	18 CHELSEA AVENUE	LOCKERBIE, ROBERT J., SR & LOIS E., 18 CHELSEA AVENUE, EGG HARBOR TOWNSHIP, NJ 08234
5204	4	19 CHELSEA AVENUE	WOERL, JOSEPH & MARIAN, 19 CHELSEA AVENUE, EGG HARBOR TOWNSHIP, NJ 08234
5204	4.35	219 CHURCHILL DRIVE	MERRICK, YVETTE M., 219 CHURCHILL DRIVE, EGG HARBOR TOWNSHIP, NJ 08234
5204	4.36	217 CHURCHILL DRIVE	KHAIRI, BILAL & FAYE, 217 CHURCHILL DRIVE, EGG HARBOR TOWNSHIP, NJ 08234
5204	5	23 CHELSEA AVE	BARNEY, ROBERT H. & JUDITH K., 23 CHELSEA AVENUE, EGG HARBOR TOWNSHIP, NJ 08234
5215	1	208 CHURCHILL DRIVE	CAPPUCCIO, PHILLIP & MARALYN, 208 CHURCHILL DRIVE, EGG HARBOR TOWNSHIP, NJ 08234
5215	2	210 CHURCHILL DRIVE	TUCCINARDI, LORENZO & LINDA T., 210 CHURCHILL DRIVE, EGG HARBOR TOWNSHIP, NJ 08234
5215	3	212 CHURCHILL DRIVE	FLORES, MICHAEL & MAYDEE OQUENDO, 212 CHURCHILL DRIVE, EGG HARBOR TOWNSHIP, NJ 08234
5215	4	109 TROTTER ROAD	JAFFERY, KANIZ KHAN, 109 TROTTER ROAD, EGG HARBOR TOWNSHIP, NJ 08234
5216	3	202 CHURCHILL DRIVE	ROMANELLI, RICHARD, 202 CHURCHILL DRIVE, EGG HARBOR TOWNSHIP, NJ 08234
5218	4	204 CHURCHILL DRIVE	WALKER, JEFFREY VANALTVORST, JACLYN, 204 CHURCHILL DRIVE, EGG HARBOR TOWNSHIP, NJ 08234
5216	5	206 CHURCHILL DRIVE	BARNHART, JERRY J & JANETTA, 206 CHURCHILL DRIVE, EGG HARBOR TOWNSHIP, NJ 08234
5218	6	206A CHURCHILL DRIVE	WVR INC, 1100 LIBERTY PL, SICKLERVILLE, NJ 08081

UTILITIES

ATLANTIC CITY ELECTRIC COMPANY
5100 HARDING HIGHWAY
SUITE 399
MAYS LANDING, NJ 08330

VERIZON NEW JERSEY
540 BROAD STREET
NEWARK, NJ 07101

COMCAST
801 W LEEDS AVENUE
ABSECON, NJ 08201

NEW JERSEY AMERICAN WATER COMPANY
3215 FIRE ROAD
EGG HARBOR TOWNSHIP, NJ 08234

EGG HARBOR TOWNSHIP MUNICIPAL UTILITIES AUTHORITY
3515 BARGAINTOWN ROAD
EGG HARBOR TOWNSHIP, NJ 08234

ATLANTIC COUNTY UTILITIES AUTHORITY
PO BOX 996
PLEASANTVILLE, NJ 08232-0996

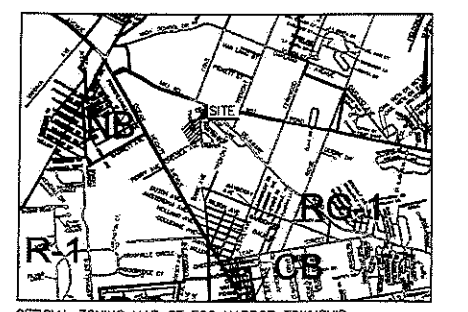
SOUTH JERSEY GAS COMPANY
1 SOUTH JERSEY PLAZA
FOLSOM, NJ 08037

FLOOD ZONE INFORMATION

THE PROJECT IS MAPPED AS FLOOD ZONE C OUTSIDE THE 100-YR. FLOODPLAIN LIMITS AS SHOWN ON THE FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP FOR THE TOWNSHIP OF EGG HARBOR, ATLANTIC COUNTY COMMUNITY PANEL NUMBER 340007 0013 B. EFFECTIVE DATE: FEBRUARY 16, 1983.

NATURAL RESOURCE INVENTORY INFORMATION §198-13A(35):

(a) SOIL TYPES AS SHOWN ON THE CURRENT SOIL SURVEY MAP OF ATLANTIC COUNTY ARE DoeB, DOWNER LOAMY SAND, 0 TO 5 % SLOPES, AND SgeB, SASSAFRAS SANDY LOAM, 0 TO 2 % SLOPES.
(b) RESTRICTIVE LAYERS WERE ENCOUNTERED IN SP-3 AT 67" TO 84" AND IN SP-4 AT 71" TO 93". THE UNSUITABLE LAYERS WITHIN THE BASIN AREA WILL BE REMOVED AND REPLACED WITH A MINIMUM K4 SOIL MATERIAL AS DIRECTED BY THE MUNICIPAL ENGINEER.
(c) NO BEDROCK WAS ENCOUNTERED TO A DEPTH OF 10 FEET.
(d) SOIL TESTING RESULTS INDICATED A PERMEABILITY OF 8.73 in/hr.
(e) THE ELEVATION OF THE ESTIMATED SEASONAL HIGH WATER TABLE IS >120 INCHES. GROUNDWATER WAS NOT ENCOUNTERED IN ANY OF THE BORINGS.
(f) THE SITE IS LOCATED IN FLOOD ZONE C OUTSIDE OF THE 100-YR FLOODPLAIN AS SHOWN ON FIRM FLOOD INSURANCE RATE MAP PANEL 13 OF 28, COMMUNITY PANEL NUMBER 3400070013B.
(g) THE LIMITATIONS FOR FOUNDATIONS IS SLIGHT FOR BOTH SOIL TYPES AS PROVIDED IN THE ATLANTIC COUNTY SOIL SURVEY TABLE 10.
(h) THE LIMITATION FOR SEPTIC TANK ABSORPTION FIELDS IS NOT APPLICABLE, AS NONE ARE PROPOSED.
(i) THE LIMITATION FOR LOCAL ROADS AND STREETS IS SLIGHT FOR BOTH SOIL TYPES AS PROVIDED IN THE ATLANTIC COUNTY SOIL SURVEY TABLE 10.
(j) FOR DOWNER AND SASSAFRAS SOILS, THE AGRICULTURAL CAPACITY UNIT IS I-5 AND THE WOODLAND SUITABILITY GROUP IS 3o1, AS PROVIDED IN THE ATLANTIC COUNTY SOIL SURVEY.
(k) THE EROSION HAZARD FOR BOTH SOILS, BASED UPON GROUP 3o1, IS SLIGHT AS PROVIDED IN THE ATLANTIC COUNTY SOIL SURVEY TABLE 5.



OFFICIAL ZONING MAP OF EGG HARBOR TOWNSHIP

SCALE: 1" = 500'

ZONING SCHEDULE

ORDINANCE SECTION	ZONE RG-1	PERMITTED OR REQUIRED	EXISTING CONDITIONS	PROPOSED IMPROVEMENTS	CONFORMITY STATUS
225-44.A	PERMITTED PRINCIPAL USES	SINGLE FAMILY DETACHED DWELLINGS	VACANT LAND	SINGLE FAMILY DETACHED DWELLINGS	CONFORMS
225-44.B	PERMITTED ACCESSORY USES	USES CUSTOMARY AND INCIDENTAL TO THE PRINCIPAL USES	VACANT LAND	NONE PROPOSED AT THIS TIME	WILL CONFORM
225-44.C	AREA, YARD, AND BULK REQUIREMENTS	PER 225-7 SCHEDULE			
225-7	DENSITY	1 du/acre (SFD w/o PDCs)	N/A	1.24 du/ACRE OVERALL INCLUDES MIX OF UNIT DENSITIES	
		1.5 du/acre (SFD w/ PDCs)	N/A		
225-7	MINIMUM LOT SIZE	30,000 SF (SFD w/o PDCs)	14.519 AC	5@30,000 SF	CONFORMS
		17,200 SF (SFD w/ PDCs)	N/A	13@17,200 SF	CONFORMS
225-7	MINIMUM LOT WIDTH	100 FT (3 MIN AT CUL DE SAC = 66.67 FT)	N/A	100 FT/66.67 AT CUL DE SAC	CONFORMS
225-7	MINIMUM FRONT YARD	25 FT	N/A	25 FT MIN	CONFORMS
225-7	MINIMUM GARAGE FRONT YARD	35 FT	N/A	35 FT MIN	CONFORMS
	MINIMUM REAR YARD	25 FT	N/A	25 FT MIN	CONFORMS
225-7	MINIMUM SIDE YARD	10 FT	N/A	10 FT MIN	CONFORMS
	ACCESSORY STRUCTURE MINIMUM REAR YARD	10 FT	N/A	10 FT MIN	CONFORMS
225-7	ACCESSORY STRUCTURE MINIMUM SIDE YARD	10 FT	N/A	10 FT MIN	CONFORMS
	MAXIMUM BUILDING HEIGHT PRINCIPAL STRUCTURE	30 FT	N/A	30 FT MAX	CONFORMS
225-7	MAXIMUM BUILDING HEIGHT ACCESSORY STRUCTURE	15 FT	N/A	15 FT MAX	CONFORMS
225-7	MAXIMUM BUILDING COVERAGE	20% (SFD w/o PDCs)	N/A	20% MAX	CONFORMS
		35% (w/ PDCs)	N/A	35% MAX	CONFORMS
225-56.A(21) & RSIS	PARKING	2.5 SPACES (4 BEDROOM SFD)	N/A	3.5 SPACES	CONFORMS

WAIVER REQUESTS

THE APPLICANT IS REQUESTING A WAIVER FROM:

§94-4.E TO PROVIDE RECTANGULAR LOT SHAPES AND STRAIGHT LOT LINES. LOT LINES VARY IN ORDER TO PROVIDE FOR THE MINIMUM LOT AREA AND LOT CLEARING REQUIREMENTS.
§94-22.E.4 TO PROVIDE BASIN LANDSCAPING IN ACCORDANCE WITH THE TABLE. THE PROPOSED LANDSCAPING PROVIDES A DENSER EVERGREEN BUFFER. ADDITIONALLY, THE EXISTING TREES WILL BE PRESERVED IN THE BASIN SIDE YARD BUFFER INSTEAD OF CLEARING AND REPLANTING WHICH WOULD BE NECESSARY TO PHYSICALLY FIT THE NUMBER OF PLANTS REQUIRED.
§94-28 & CHECKLIST-35 TO PROVIDE MONUMENTS AND CORNERS AT THIS TIME. THIS INFORMATION WILL BE SHOWN ON THE FINAL PLAT.
§94-28.A TO PROVIDE AN OPEN SPACE/RECREATION PLAN. A CONTRIBUTION IN-LIEU-OF WILL BE MADE AT THE TIME OF THE FINAL SIGNING OF THE PLANS.
§94-31.A TO PROVIDE A HOMEOWNERS' ASSOCIATION. THE BASIN LOT WILL BE DEDICATED TO THE TOWNSHIP, WHO WILL ASSUME THE MAINTENANCE RESPONSIBILITY.
§94-36.A TO PROVIDE A MAXIMUM LOT DISTURBANCE OF 55% FOR LOTS 21.17 AND 21.18. ADDITIONAL LOT CLEARING IS REQUIRED TO PROVIDE THE MINIMUM LOT GRADING SLOPE PER ORDINANCE, IN ACCORDANCE WITH THIS SECTION. ADDITIONAL PLANTINGS ARE PROPOSED IN ACCORDANCE WITH THE TABLE.
§94-38.A TO PROVIDE SIDEWALK ON BOTH SIDES OF THE STREET. SIDEWALK IS PROVIDED ON ONE SIDE OF CHELSEA, ADJACENT TO THE DEVELOPMENT SITE.
§94-45.I.1 TO LIMIT CUL-DE-SAC LENGTH TO 1,000 ST. IN ACCORDANCE WITH RSIS CLARIFICATION #4, ANY LENGTH LIMITATION FOR CUL-DE-SACS ARE IN CONFLICT WITH THE RSIS.
§94-48 TO PROVIDE A 2% MINIMUM LONGITUDINAL GRADE WITHIN 100 FEET OF THE MIDDLE OF AN INTERSECTION. THE SLOPES ALONG CHELSEA AVENUE ARE NECESSITATED BY THE REQUIREMENT TO TIE INTO THE EXISTING GRADES AND UTILITY CONSTRUCTION AT CHURCHILL DRIVE. THE LONGITUDINAL SLOPE OF KENSINGTON LANE IS NECESSITATED BY THE EXISTING TOPOGRAPHY AND THE CONNECTION OF STANFORD ROAD TO THE EXISTING GROUND AT ITS TERMINUS.
§198-13A(7)(C) TO PROVIDE A COPY OF THE PLAN IN DIGITAL FORMAT AT THIS TIME. A CD-ROM OF THE PLANS WILL BE SUBMITTED AT TIME OF FINAL APPROVAL.
§198-13A(3) TO PROVIDE A MAP SHOWING LAND USES WITHIN 500 FEET. THE KEY MAP PROVIDES USES WITHIN 200 FEET.
§198-13A(6) TO PROVIDE CERTIFICATION SIGNATURES ON THE PRELIMINARY PLAT. AN APPROVAL BLOCK IS SHOWN ON THE PLANS. A CERTIFICATION BLOCK IN ACCORDANCE WITH THE MAP FILING LAW WILL BE PROVIDED ON THE FINAL PLAT.
§198-13A(9) TO PROVIDE A CERTIFIED SURVEY WITH DATUMS IN NAD 83 AND NGVD 88. A CERTIFIED COPY OF THE TOPO SURVEY CANNOT BE OBTAINED FROM THE ORIGINAL SURVEYOR. A COPY OF THE BOUNDARY SURVEY AND CHELSEA ROAD TOPO IS PROVIDED.
§198-13A(11) TO PROVIDE ELEVATIONS AND CONTOURS EXTENDING 100 FEET FROM THE PROPERTY LINE. NO IMPROVEMENTS OR CHANGES ARE PROPOSED WITHIN 100 FEET OF THE SUBJECT PROPERTY BOUNDARIES.
§198-13A(16) TO PROVIDE PLANS OF FUTURE STREET EXTENSIONS. THE STREET STUB IS PROVIDED FOR OFFSITE DRAINAGE FROM THE ADJACENT OFFSITE AREA AT THE REQUEST OF THE TOWNSHIP AT A TRC MEETING.
§198-13A(18) TO PROVIDE A WETLANDS DELINEATION LETTER. A CERTIFICATE OF FILING FOR THE PROJECT IS ISSUED WHICH INDICATES THAT THERE ARE NO WETLANDS ON THE SITE.
§198-13A(20) & CHECKLIST-20 TO PROVIDE COPIES OF PROTECTIVE COVENANTS AND DEED RESTRICTIONS. THESE WILL BE PROVIDED AFTER PRELIMINARY APPROVAL AS PART OF FINAL SUBDIVISION SUBMITTAL.
§198-13A(26) TO PROVIDE AN OPEN SPACE/RECREATION PLAN. A CONTRIBUTION IN-LIEU-OF WILL BE MADE AT THE TIME OF THE FINAL SIGNING OF THE PLANS.
§198-13A(29)(A) & CHECKLIST-29A TO SHOW EXISTING UTILITY LINES WITHIN 200 FEET OF THE BOUNDARY OF THE SUBDIVISION. UTILITIES ADJACENT TO AND AFFECTED BY THE SUBDIVISION ARE SHOWN ON THE UTILITY PLANS.
§225-56.E.D TO PROVIDE A CULTURAL RESOURCE SURVEY. A CERTIFICATE OF FILING FORM THE PINELANDS COMMISSION IS ISSUED.

ISSUE DATE	ISSUE NO.	SUBMISSION/REVISION	BY	APPR.
03/14/12	5	REVISED PER RESOLUTION 02-09, ISSUED TO TOWNSHIP FOR FINAL	LAT	JTS
03/25/09	4	REVISED PER TRC COMMENTS AND REVIEW LETTERS	LAT	JTS
06/18/08	3	REVISED PER PINELANDS REVIEW LETTER DATED 06/16/08	LAT	JTS
04/17/08	2	REVISED PER PINELANDS REVIEW LETTER DATED 04/10/08	LAT	JTS
02/18/08	1	INITIAL SUBMISSION	LAT	JTS

MAJOR SUBDIVISION

BLOCK 5202, LOTS 21 & 22
EGG HARBOR TOWNSHIP, ATLANTIC COUNTY, NEW JERSEY

INFORMATION SHEET

DROZDOV, SPORKIN & LISTER, LLC
c/o COOPER LEVENSON
1125 ATLANTIC AVENUE, SUITE 335, ATLANTIC CITY, NEW JERSEY 08401

JASON T. SCIULLO, P.E.
PROFESSIONAL ENGINEER
N.J. LICENSE NO. 24GE04368000

Marathon Engineering & Environmental Services, Inc.
Atlantic City Office
[illegible]

[illegible]	AS SHOWN	DFW
[illegible]	RLD	3 OF 10

TEST PIT SP#1 SOIL LOG

SURFACE	GROUND ELEVATION 50.1'
	DEPTH OF BORING 120"
0"-3"	10YR 3/2 VERY DARK GRAYISH BROWN LOAMY SAND; FRIABLE MODERATE, FINE GRANULAR STRUCTURE
3"-9"	10YR 5/1 GRAY FINE SAND FRIABLE; SINGLE GRAIN LOOSE
9"-41"	10YR 4/6 DARK YELLOWISH BROWN LOAMY SAND; MODERATE, FINE GRANULAR STRUCTURE
41"-55"	7.5YR 3/6 STRONG BROWN COARSE SAND; FRIABLE, MODERATE, FINE GRANULAR STRUCTURE
55"-120"	10YR 5/8 BROWNISH YELLOW FINE SAND; SINGLE GRAIN, LOOSE
	SEASONAL HIGH WATER TABLE NOT ENCOUNTERED
	GROUND WATER NOT ENCOUNTERED
	PERFORMED OCTOBER 3, 2007

TEST PIT SP#2 SOIL LOG

SURFACE	HUB ELEVATION 49.5'
	DEPTH OF BORING 120"
0"-3"	10YR 3/2 VERY DARK GRAYISH BROWN LOAMY SAND; FRIABLE MODERATE, FINE GRANULAR STRUCTURE
3"-10"	10YR 5/1 GRAY FINE SAND FRIABLE; SINGLE GRAIN LOOSE
10"-37"	10YR 3/6 YELLOWISH BROWN LOAMY SAND W/ 20% COARSE FRAGMENTS; MODERATE, FINE GRANULAR STRUCTURE
37"-47"	10YR 6/4 LIGHT YELLOWISH BROWN FINE SAND; FRIABLE, MODERATE, FINE GRANULAR STRUCTURE
47"-93"	7.5YR 5/8 STRONG BROWN COARSE SAND; SINGLE GRAIN LOOSE
93"-120"	10YR 7/6 YELLOW FINE SAND; SINGLE GRAIN LOOSE
	SEASONAL HIGH WATER TABLE NOT ENCOUNTERED
	GROUND WATER NOT ENCOUNTERED
	PERFORMED OCTOBER 3, 2007

TEST PIT SP#3 SOIL LOG

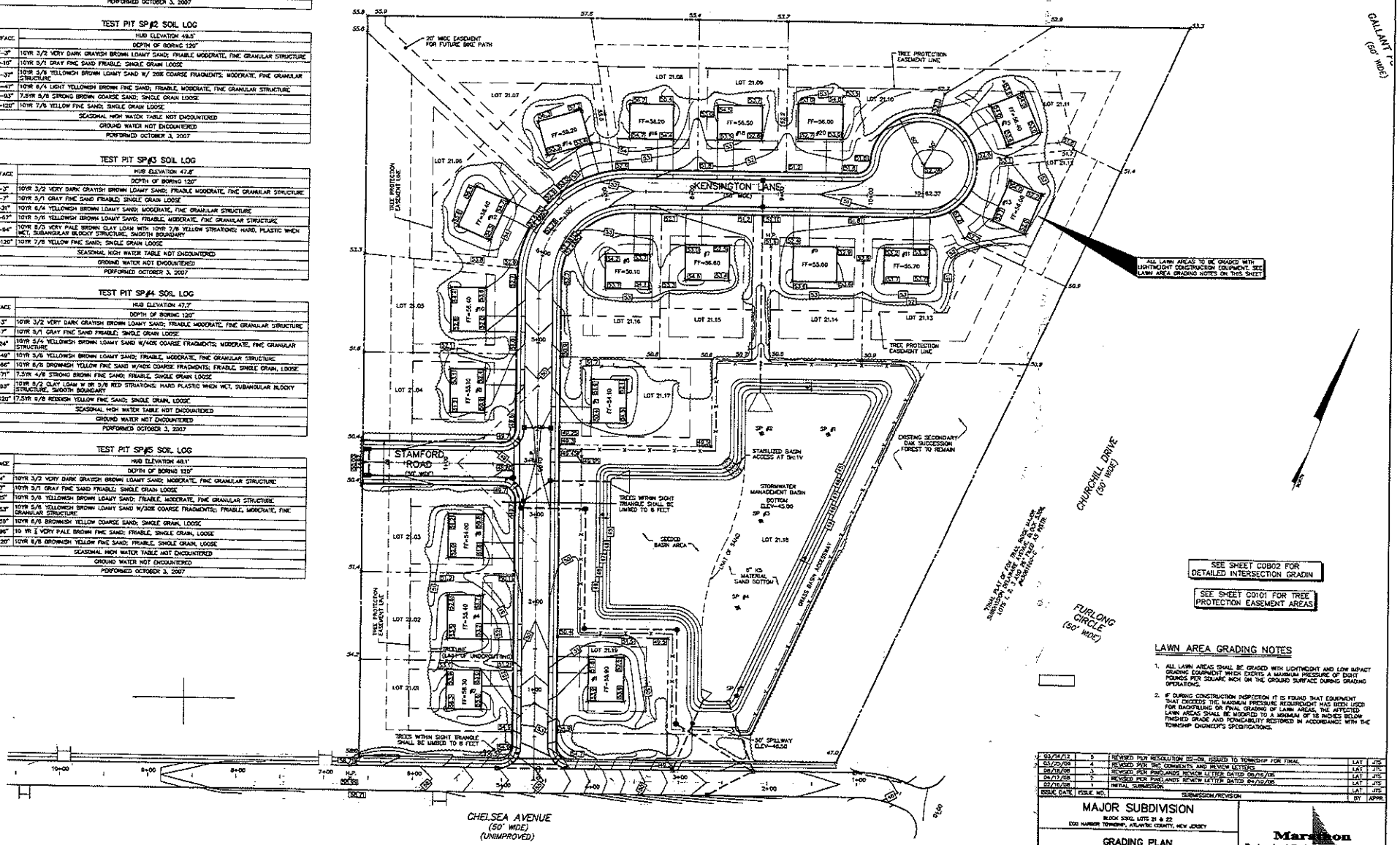
SURFACE	HUB ELEVATION 47.8'
	DEPTH OF BORING 120"
0"-3"	10YR 3/2 VERY DARK GRAYISH BROWN LOAMY SAND; FRIABLE MODERATE, FINE GRANULAR STRUCTURE
3"-7"	10YR 5/1 GRAY FINE SAND FRIABLE; SINGLE GRAIN LOOSE
7"-31"	10YR 6/4 YELLOWISH BROWN LOAMY SAND; MODERATE, FINE GRANULAR STRUCTURE
31"-67"	10YR 5/6 YELLOWISH BROWN LOAMY SAND; FRIABLE, MODERATE, FINE GRANULAR STRUCTURE
67"-94"	10YR 8/3 VERY PALE BROWN CLAY LOAM WITH 10YR 7/8 YELLOW STRATIONS; HARD, PLASTIC WHEN WET, SUBANGULAR BLOCKY STRUCTURE, SMOOTH BOUNDARY
94"-120"	10YR 7/8 YELLOW FINE SAND; SINGLE GRAIN LOOSE
	SEASONAL HIGH WATER TABLE NOT ENCOUNTERED
	GROUND WATER NOT ENCOUNTERED
	PERFORMED OCTOBER 3, 2007

TEST PIT SP#4 SOIL LOG

SURFACE	HUB ELEVATION 47.7'
	DEPTH OF BORING 120"
0"-3"	10YR 3/2 VERY DARK GRAYISH BROWN LOAMY SAND; FRIABLE MODERATE, FINE GRANULAR STRUCTURE
3"-7"	10YR 5/1 GRAY FINE SAND FRIABLE; SINGLE GRAIN LOOSE
7"-24"	10YR 5/4 YELLOWISH BROWN LOAMY SAND W/40% COARSE FRAGMENTS; MODERATE, FINE GRANULAR STRUCTURE
24"-49"	10YR 5/6 YELLOWISH BROWN LOAMY SAND; FRIABLE, MODERATE, FINE GRANULAR STRUCTURE
49"-66"	10YR 6/8 BROWNISH YELLOW FINE SAND W/40% COARSE FRAGMENTS; FRIABLE, SINGLE GRAIN, LOOSE
66"-71"	7.5YR 4/8 STRONG BROWN FINE SAND; FRIABLE, SINGLE GRAIN LOOSE
71"-93"	10YR 8/2 GLAY LOAM W OR 5/8 RED STRATIONS; HARD PLASTIC WHEN WET, SUBANGULAR BLOCKY STRUCTURE, SMOOTH BOUNDARY
93"-120"	7.5YR 6/8 REDDISH YELLOW FINE SAND; SINGLE GRAIN, LOOSE
	SEASONAL HIGH WATER TABLE NOT ENCOUNTERED
	GROUND WATER NOT ENCOUNTERED
	PERFORMED OCTOBER 3, 2007

TEST PIT SP#5 SOIL LOG

SURFACE	HUB ELEVATION 48.1'
	DEPTH OF BORING 120"
0"-4"	10YR 3/2 VERY DARK GRAYISH BROWN LOAMY SAND; MODERATE, FINE GRANULAR STRUCTURE
4"-7"	10YR 5/1 GRAY FINE SAND FRIABLE; SINGLE GRAIN LOOSE
7"-25"	10YR 5/6 YELLOWISH BROWN LOAMY SAND; FRIABLE, MODERATE, FINE GRANULAR STRUCTURE
25"-53"	10YR 5/6 YELLOWISH BROWN LOAMY SAND W/30% COARSE FRAGMENTS; FRIABLE, MODERATE, FINE GRANULAR STRUCTURE
53"-59"	10YR 6/6 BROWNISH YELLOW COARSE SAND; SINGLE GRAIN, LOOSE
59"-96"	10 YR 7 VERY PALE BROWN FINE SAND; FRIABLE, SINGLE GRAIN, LOOSE
96"-120"	10YR 8/8 BROWNISH YELLOW FINE SAND; FRIABLE, SINGLE GRAIN, LOOSE
	SEASONAL HIGH WATER TABLE NOT ENCOUNTERED
	GROUND WATER NOT ENCOUNTERED
	PERFORMED OCTOBER 3, 2007



LAWN AREA GRADING NOTES

1. ALL LAWN AREAS SHALL BE GRADED WITH LIGHTWEIGHT AND LOW IMPACT GRADING EQUIPMENT WHICH EXERTS A MAXIMUM PRESSURE OF EIGHT POUNDS PER SQUARE INCH ON THE GROUND SURFACE DURING GRADING OPERATIONS.
2. IF DURING CONSTRUCTION INSPECTION IT IS FOUND THAT EQUIPMENT THAT EXCEEDS THE MAXIMUM PRESSURE REQUIREMENT HAS BEEN USED FOR BACKFILLING OR FINAL GRADING OF LAWN AREAS, THE AFFECTED LAWN AREAS SHALL BE MODIFIED TO A MINIMUM OF 18 INCHES BELOW FINISHED GRADE AND POROSITY RESTORED IN ACCORDANCE WITH THE TOWNSHIP ENGINEER'S SPECIFICATIONS.

ISSUE DATE	ISSUE NO.	SUBMISSION/REVISION	BY	APPR.
03/14/13	9	REVISED PER RESOLUTION 03-098, ISSUED TO TOWNSHIP FOR FINAL	LAT	JTS
03/25/08	4	REVISED PER TRC COMMENTS, AND REVIEW LETTERS	LAT	JTS
08/18/08	3	REVISED PER PINELANDS REVIEW LETTER DATED 08/18/08	LAT	JTS
04/17/08	2	REVISED PER PINELANDS REVIEW LETTER DATED 04/10/08	LAT	JTS
03/18/08	1	INITIAL SUBMISSION	LAT	JTS

MAJOR SUBDIVISION
BLOCK 3302, LOTS 21 & 22
EGG HARBOR TOWNSHIP, ATLANTIC COUNTY, NEW JERSEY

GRADING PLAN

DROZDOV, SPORKIN & LISTER, LLC
c/o COOPER LEVINSON
1125 ATLANTIC AVENUE, SUITE 203, ATLANTIC CITY, NEW JERSEY 08401

JASON T. SCIULLO, P.E.
PROFESSIONAL ENGINEER
NEW JERSEY LICENSE NO. 24GE04388000

Marathon
Engineering & Environmental Services, Inc.
Atlantic City Office
3101, Suite 3A, Atlantic City, NJ 08401
ph.(609)-677-0008 fax.(609)-677-2181
Certificate of Authorization #24GA27997700

SCALE	DRWN
1"=40'	JTV
DESIGN	CHK
RLC	JTS
SHEET NO.	4 OF 13
DWG. NO.	C0301

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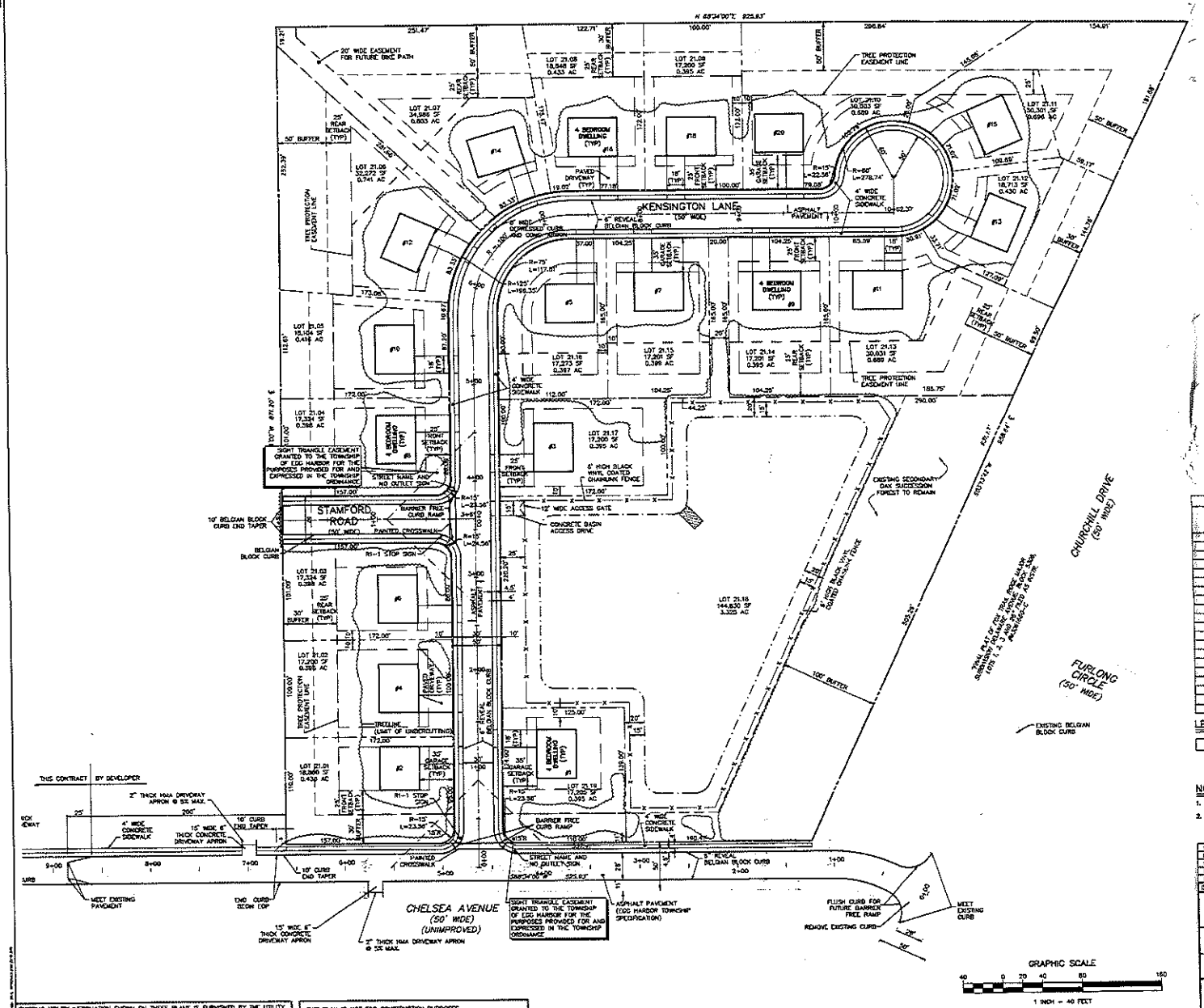
THIS PLAN IS NOT FOR CONSTRUCTION PURPOSES.
THIS PLAN IS ISSUED FOR REGULATORY REVIEW PURPOSES ONLY.
THIS PLAN IS NOT VALID UNLESS A RAISED SEAL IS AFFIXED HERETO.



WOODED AREA TO BE DEED RESTRICTED				
LOT NO.	BUFFER AREA (AC.)	SETBACK AREA (AC.)	LOT AREA (AC.)	TOTAL TREE PROTECTION EASEMENT (AC.)
21.01	0.117	0.046	–	0.163
21.02	0.069	0.057	–	0.126
21.03	0.070	0.058	–	0.128
21.04	0.070	0.058	0.023	0.151
21.05	0.077	0.063	0.025	0.164
21.06	0.263	0.114	0.077	0.456
21.07	0.251	0.106	0.067	0.424
21.08	0.083	0.067	–	0.150
21.09	0.069	0.057	–	0.126
21.10	0.300	0.116	–	0.416
21.11	0.240	0.074	0.013	0.427
21.12	0.100	0.103	–	0.203
21.13	0.130	0.151	0.133	0.414
21.14	–	0.060	0.057	0.117
21.15	–	0.060	0.101	0.161
21.16	–	0.084	0.063	0.147
21.17	–	–	–	–
21.18	1.220	–	–	1.220
21.19	0.085	–	–	0.085
TOTAL	3.246	1.254	0.578	5.078

LEGEND

SIGHT TRIANGLE EASEMENT OR BIKE PATH EASEMENT

TREE PROTECTION EASEMENT

NOTES:

1. SEE INFORMATION SHEET C0002 FOR PROJECT NOTES.
2. THE CLEAR SIGHT AREA SHALL BE MAINTAINED AND KEPT CLEAR BY THE OWNER OF THE PROPERTY. NO PERMANENT OR TEMPORARY STRUCTURE OR VEGETATION SHALL BE PLACED WHICH WILL VIOLATE THE INTENT OF THE CLEAR SIGHT AREA.

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03/14/12	5	REVISED PER RESOLUTION 02-09, ISSUED TO TOWNSHIP FOR FINAL	LAT	JTS
02/20/09	4	REVISED PER TWP. COMMENTS AND REVIEW LETTERS	LAT	JTS
06/18/08	3	REVISED PER PINELANDS REVIEW LETTER DATED 06/18/08	LAT	JTS
04/17/08	2	REVISED PER PINELANDS REVIEW LETTER DATED 04/10/08	LAT	JTS
02/19/08	1	INITIAL SUBMISSION	LAT	JTS

MAJOR SUBDIVISION

BLOCK 5202, LOTS 21 & 22

EGG HARBOR TOWNSHIP, ATLANTIC COUNTY, NEW JERSEY

PRELIMINARY SUBDIVISION PLAN

DROZDOV, SPORKIN & LISTER, LLC

c/o COOPER LEVENSON

1125 ATLANTIC AVENUE, SUITE 230, ATLANTIC CITY, NEW JERSEY 08401

JASON T. SCIULLO, P.E.

PROFESSIONAL ENGINEER

NEW JERSEY LICENSE NO. 24GE04388000

DRO 001.02

Marathon Engineering & Environmental Services, Inc.

Atlantic City Office

2932 Bunker Hill Avenue, Suite 312, Atlantic City, NJ 08401

ph (609) 677-2198 fax (609) 677-2101

Certificate of Authorization #24GA27998700

SCALE: 1"=40'	DATE: DFW
DRAWN BY: DDH	SHEET: 3 OF 13
REVISION: 5	DRAWING NO.: C0101

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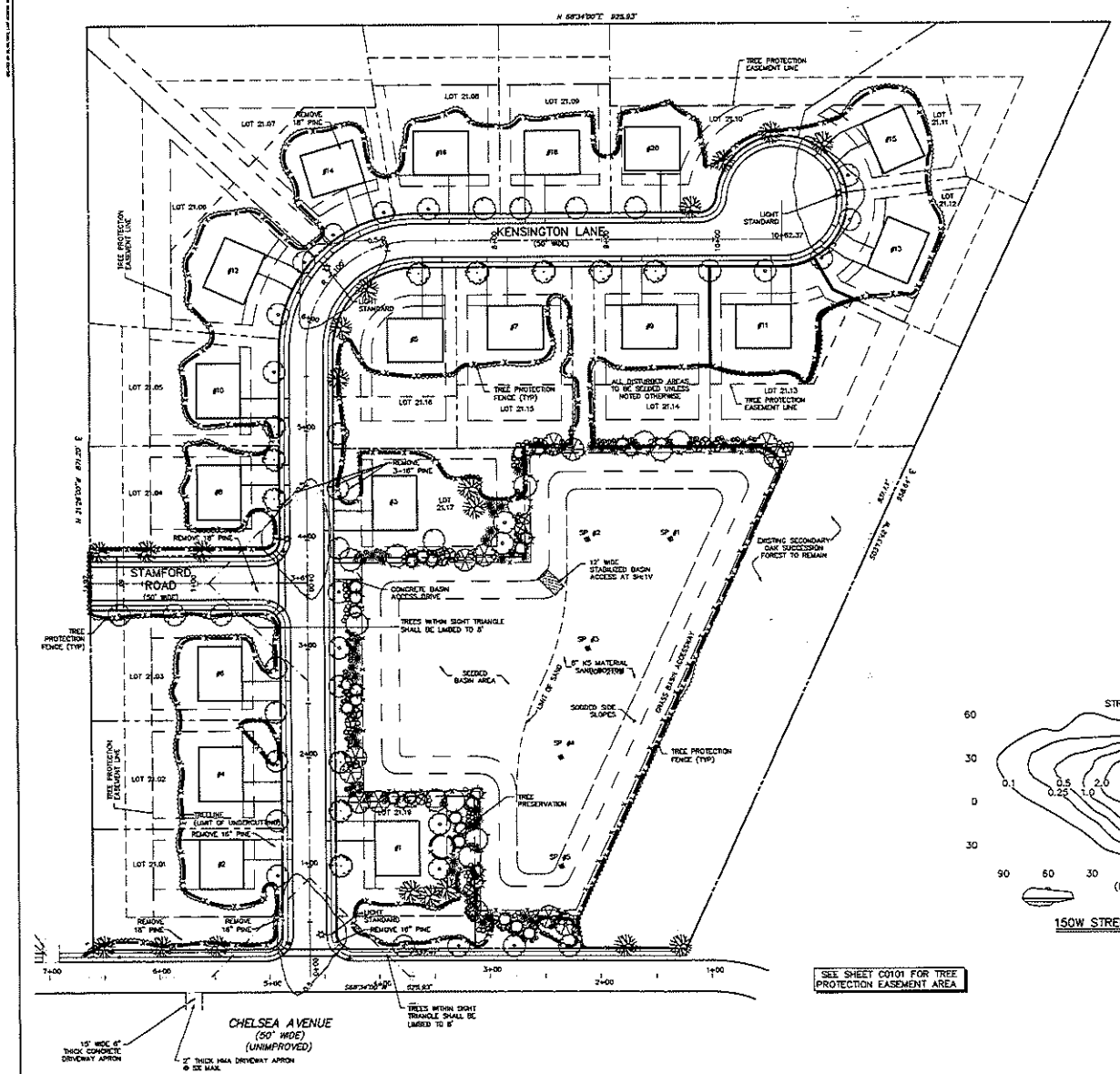
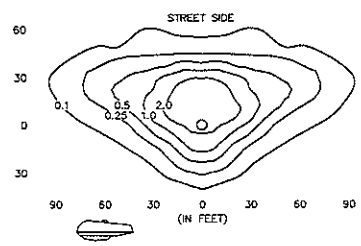


SEE SHEET C0101 FOR TREE PROTECTION EASEMENT AREA



150W STREET LIGHT ISOLUX
N.T.S.

PLANTING SCHEDULE

STREET TREES

SYMBOL	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS
AR	27	ACER RUBRUM V. TRILOBA	TRIDENT RED MAPLE	3" CAL @ 6' 13'-15' HT.	B & B
QA	20	QUERCUS ALBA	WHITE OAK	3" CAL @ 6' 13'-15' HT.	B & B
QC	11	QUERCUS COCCINEA	SCARLET OAK	3" CAL @ 6' 13'-15' HT.	B & B
QP	11	QUERCUS PRINUS	CHESTNUT OAK	3" CAL @ 6' 13'-15' HT.	B & B
TOTAL =	69				

SHADE TREES

SYMBOL	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS
FP	13	FRAXINUS PENNSYLVANICA	GREEN ASH	2" CAL	B.R.
NS	12	NYSSA SYLVATICA	SOURGUM OR TUPELO	2" CAL	B & B
TOTAL =	25				

ORNAMENTAL TREES

SYMBOL	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS
CF	5	CORNUS FLORIDA	WHITE FLOWERING DOGWOOD	6' HT	B & B HEAVY
BP	7	BETULA POPULIFOLIA	GRAY BIRCH	6' HT	B & B
TOTAL =	12				

EVERGREEN TREES

SYMBOL	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS
JV	38	JUNIPERUS VIRGINIANA	RED CEDAR	6 HT	B & B
PR	30	PINUS RIGIDA	PITCH PINE	6 HT	B & B
TOTAL =	68				

SHRUBS

SYMBOL	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS
AA	34	ARONIA ARBUTIFOLIA	RED CHOKEBERRY	2-1/2' - 3'	B & B
IG	33	ILEX GLABRA	INKBERRY	2-1/2' - 3'	B & B
KL	42	KALMIA LATIFOLIA	MOUNTAIN LAUREL	2-1/2' - 3'	#2 CAN
MP	60	MYRICA PENSYLVANICA	NORTHERN BAYBERRY	2-1/2' - 3'	B & B
VD	31	VIBURNUM DENTATUM	ARROWWOOD	2-1/2' - 3'	B & B
TOTAL =	220				

LOT DISTURBANCE SUMMARY

LOT #	TOTAL LOT AREA (S.F.)	PROPOSED LOT AREA TO BE CLEARED (S.F.)	PROPOSED LOT AREA TO BE CLEARED (%)	MAX. LOT AREA ALLOWED TO BE CLEARED (%)	ADDITIONAL TREES PROVIDED PER 94-36.A(2)
21.01	18,880	7,395	39%	55%	0
21.02	17,200	8,750	50%	55%	0
21.03	17,324	7,920	45%	55%	0
21.04	17,324	7,261	42%	55%	0
21.05	18,104	6,901	38%	55%	0
21.06	33,272	9,944	30%	40%	0
21.07	34,964	7,198	20%	40%	0
21.08	18,848	8,084	42%	55%	0
21.09	17,200	8,221	47%	55%	0
21.10	30,863	8,282	28%	40%	0
21.11	30,301	7,534	25%	40%	0
21.12	18,713	8,880	47%	55%	0
21.13	30,631	10,304	34%	40%	0
21.14	17,201	9,378	55%	55%	0
21.15	17,201	8,431	49%	55%	0
21.16	17,273	8,634	55%	55%	0
21.17	17,200	13,913	80%	55%	10
21.19	17,205	13,825	80%	55%	10

EXISTING TREE LEGEND

15" OAK — EXISTING OAK TREE

15" PINE — EXISTING PINE TREE

NOTE:
EXISTING TREES 15" DIAMETER OR GREATER AT BREAST HEIGHT ARE TO BE PRESERVED AND PROTECTED FOR THE DURATION OF CONSTRUCTION UNLESS OTHERWISE NOTED.

ISSUE DATE	ISSUE NO.	SUBMISSION/REVISION	BY	APPR.
03/14/12	5	REVISED PER RESOLUTION 92-09, ISSUED TO TOWNSHIP FOR FINAL	LAT	JTS
03/29/09	4	REVISED PER TRC COMMENTS AND NCWCW LETTERS	LAT	JTS
08/18/08	3	REVISED PER PINELANDS REVIEW LETTER DATED 08/15/08	LAT	JTS
04/17/08	2	REVISED PER PINELANDS REVIEW LETTER DATED 04/10/08	LAT	JTS
02/19/08	1	INITIAL SUBMISSION	LAT	JTS

MAJOR SUBDIVISION

BLOCK 6202, LOTS 21 & 22
EGG HARBOR TOWNSHIP, ATLANTIC COUNTY, NEW JERSEY

LANDSCAPING & LIGHTING PLAN

DROZDOV, SPORKIN & LISTER, LLC
c/o COOPER LEVENSON
1125 ATLANTIC AVENUE, SUITE 325, ATLANTIC CITY, NEW JERSEY 08401

JASON T. SCIULLO, P.E.
PROFESSIONAL ENGINEER
NEW JERSEY LICENSE NO. 24GE04086000

DATED: 05.05.09

Marathon Engineering & Environmental Services, Inc.
Atlantic City Office
2222, Route 9 S., Atlantic City, N.J. 08401
ph (609)-457-2100 fax (609)-457-2101
Certificate of Authorization #24GA27995700

SCALE	1"=40'
DRAWN BY	JTS
CHK'D BY	LAT
SHEET	8 OF 15
REV.	5
DRAWING NO.	C0501

THIS PLAN TO BE USED FOR LANDSCAPING AND LIGHTING PURPOSES ONLY

ALL EXISTING TREES SHOWN 15" OR GREATER ARE TO BE PRESERVED UNLESS OTHERWISE NOTED. THE CONTRACTOR SHALL PROTECT ALL TREES TO BE PRESERVED FOR THE DURATION OF CONSTRUCTION.

GRAPHIC SCALE
40 0 20 40 80 160
1 INCH = 40 FEET

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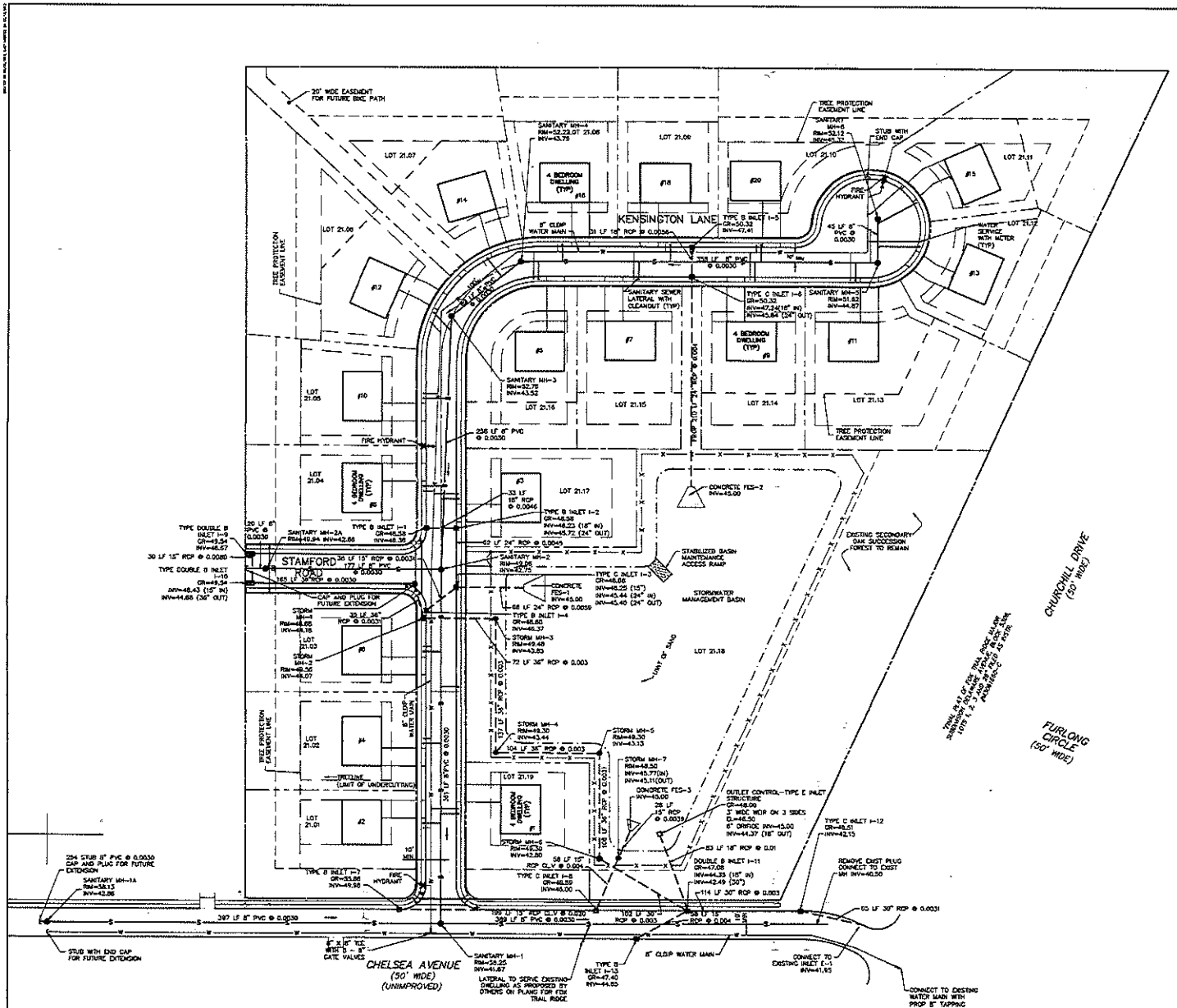

UTILITY NOTES

1. PROPOSED UTILITIES SHALL BE INSTALLED UNDERGROUND WITHIN THE STREET RIGHT-OF-WAY.
2. STORMWATER MANAGEMENT SHALL BE IN ACCORDANCE WITH STANDARDS SET FORTH BY EGG HARBOR TOWNSHIP, NEW JERSEY RESIDENTIAL SITE IMPROVEMENT STANDARDS, THE STATE OF NEW JERSEY STORMWATER MANAGEMENT RULES, AND THE NEW JERSEY PINELANDS COMMISSION.
3. STORM SEWER RCP PIPE (ROUND) SHALL BE IN ACCORDANCE WITH ASTM C-76, CLASS III, WALL B, EXCEPT WHERE NOTED. ALL CONCRETE STORM SEWER PIPE IS TO HAVE OTHER RUBBER GASKET OR BUTYL TAPE JOINTS AND BE WRAPPED WITH MORTAR AND FABRIC ON THE OUTSIDE. ALL 36" AND LARGER PIPE SHALL HAVE THE INSIDE OF THE JOINT MORTARED.
4. DRAINAGE INLET STRUCTURES AND ENDWALLS SHALL BE CONSTRUCTED IN ACCORDANCE WITH NJDOT STANDARD DETAILS.
5. INLETS TO HAVE BICYCLE SAFE AND "EGG"-TYPE GRATES.
6. T.C. DESIGNATIONS INDICATE TOP OF CURB ELEVATIONS AND B.C. INDICATES GUTTER ELEVATIONS.
7. GAS, ELECTRIC AND TELEPHONE SERVICE SHALL BE INSTALLED UNDERGROUND THROUGHOUT THE DEVELOPMENT IN ACCORDANCE WITH REGULATIONS OF THE LOCAL UTILITY COMPANIES AND EGG HARBOR TOWNSHIP.
8. MATERIALS, METHODS AND DETAILS OF IMPROVEMENT CONSTRUCTION SHALL CONFORM TO THE REGULATIONS OF EGG HARBOR TOWNSHIP, ATLANTIC COUNTY AND/OR THE APPROPRIATE UTILITY COMPANY, WHICHEVER REGULATION TAKES PRECEDENCE.
9. WHERE IT IS NECESSARY TO CONNECT TO EXISTING UTILITIES WITHIN EXISTING ROADWAYS, THE CONTRACTOR SHALL PROVIDE ALL NECESSARY SAW CUTTING, FOR WATER AND SEWER SERVICE. TRENCHING, BACKFILL, COMPACTION AND PAVING SHALL BE IN ACCORDANCE WITH EGG HARBOR TOWNSHIP AND ATLANTIC COUNTY SPECIFICATIONS, AS APPLICABLE.
10. BEDDING AND BACKFILL FOR THE REINFORCED CONCRETE PIPE SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
11. TELEVISION INSPECTION OF THE STORM SEWER SYSTEM AT NO EXPENSE TO THE TOWNSHIP, WILL BE REQUIRED PRIOR TO FINAL ACCEPTANCE BY THE TOWNSHIP.
12. PIPE LENGTHS AND GRADIENTS ARE CALCULATED TO THE CENTERLINE OF SANITARY AND STORM SEWER STRUCTURES. ACTUAL PIPE LENGTH MAY BE LESS THAN CALCULATED LENGTH, AND SHOULD BE COMPUTED BY CONTRACTOR PRIOR TO CONSTRUCTION.
13. EXISTING UTILITY INFORMATION SHOWN ON THIS PLAN IS FURNISHED BY THE UTILITY COMPANIES OR SURVEY PLAN BY SURVEYOR AND THE ACCURACY THEREOF IS NOT THE RESPONSIBILITY OF MARATHON ENGINEERING & ENVIRONMENTAL SERVICES, INC. IT IS THE RESPONSIBILITY OF OWNER AND/OR CONTRACTOR TO CALL 1-800-272-1000 FOR FIELD LOCATION OF UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION.
14. SANITARY SEWER DESIGN AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE RULES AND REGULATIONS OF THE EGG HARBOR TOWNSHIP MUNICIPAL UTILITIES AUTHORITY.
15. WATER SERVICE AND PLUMBING SHALL CONFORM TO THE REQUIREMENTS OF THE PLUMBING SUB-CODE OF THE NEW JERSEY STATE UNIFORM CONSTRUCTION CODE N.J.A.C. 5:23-3.17.
16. WATER MAIN DESIGN AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE RULES AND REGULATIONS OF NEW JERSEY AMERICAN WATER.
17. WATER MAINS AND SANITARY OR INDUSTRIAL SEWER LINES SHALL BE SEPARATED BY A HORIZONTAL DISTANCE OF 10 FEET. IF SUCH LATERAL SEPARATION IS NOT POSSIBLE, THE WATER AND SEWER LINES SHALL BE IN SEPARATE TRENCHES (STEP TRENCHES ARE PROHIBITED) WITH THE TOP OF THE SEWER LINES AT LEAST 18 INCHES BELOW THE BOTTOM OF THE WATER MAIN OR WITH SUCH OTHER SEPARATION EXPRESSLY APPROVED BY THE DEPARTMENT. AT CROSSING OF SEWER LINES AND WATER MAINS, THE TOP OF THE SEWER LINES SHALL BE AT LEAST 18 INCHES BELOW THE BOTTOM OF THE WATER MAIN (SEWER SERVICE LATERALS ARE NOT SUBJECT TO THIS REQUIREMENT). IF SUCH VERTICAL SEPARATION IS NOT POSSIBLE, THE SEWER LINE SHALL BE OF WATERTIGHT CONSTRUCTION (I.E., DUCTILE IRON OR REINFORCED CONCRETE PIPE), WITH WATERTIGHT JOINTS THAT ARE A MINIMUM OF 10 FEET FROM THE WATER MAIN.
18. PROPOSED MANHOLES AND INLETS SHALL BE SET AT BASE GRADE DURING CONSTRUCTION AND BROUGHT UP TO GRADE WHEN THE FINAL SURFACE COURSE OF PAVEMENT IS PROVIDED.

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MAJOR SUBDIVISION

BLOCK 5303, LOTS 21 & 22
EGG HARBOR TOWNSHIP, ATLANTIC COUNTY, NEW JERSEY

UTILITY PLAN

DROZDOV, SPORKIN & LISTER, LLC
c/o COOPER LEVENSON
1125 ATLANTIC AVENUE, SUITE 230, ATLANTIC CITY, NEW JERSEY 08401

JASON T. SCIULLO, P.E.
PROFESSIONAL ENGINEER
NEW JERSEY LICENSE NO. 24GE04580000

Marathon
Engineering & Environmental Services, Inc.
Atlantic City Office
2022 Route 9 S., Ashwood Plaza, NJ 08201
ph (609) 677-2100 fax (609) 677-2101
Certificate of Authorization #24GA27999700

SCALE	1"=40'
DRAWN BY	JTS
CHKD BY	CDH
SHEET NO.	5 OF 10
DWG NO.	C0401

NATURAL GAS SERVICE LOCATIONS TO BE DETERMINED BY SOUTH JERSEY GAS

CABLE TV SERVICE LOCATIONS TO BE DETERMINED BY COMCAST

ELECTRIC SERVICE LOCATIONS TO BE DETERMINED BY ATLANTIC CITY ELECTRIC

THIS PLAN IS TO BE USED FOR UTILITY PURPOSES ONLY

TELEPHONE SERVICE LOCATIONS TO BE DETERMINED BY VERIZON

TELEPHONE, CABLE, ELECTRIC AND GAS SERVICE WILL BE PROVIDED AND DESIGNED BY EACH RESPECTIVE UTILITY COMPANY.

GRAPHIC SCALE
40 0 20 40 80 160
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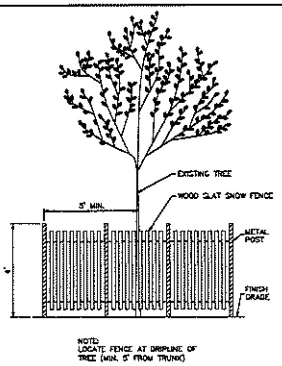
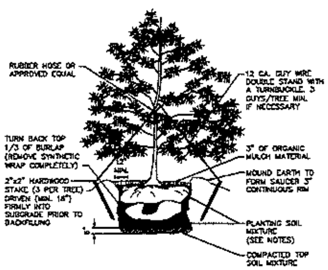
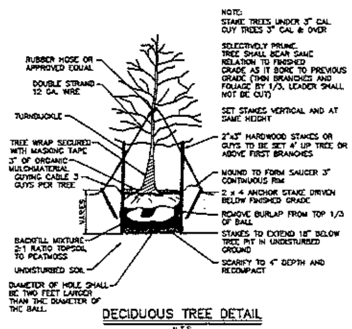


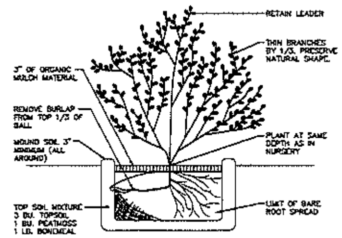
TREE PROTECTION FENCE DETAIL
N.T.S.



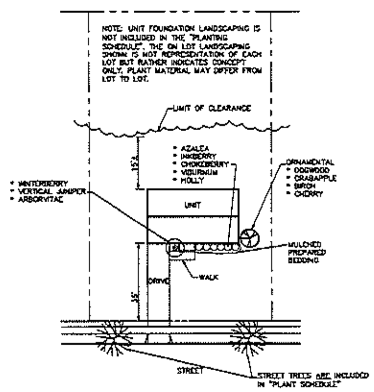
EVERGREEN TREE DETAIL
N.T.S.



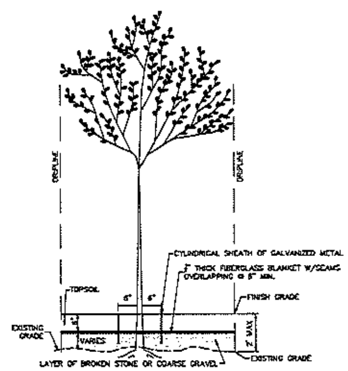
DECIDUOUS TREE DETAIL
N.T.S.



SHRUB DETAIL
N.T.S.



TYPICAL LANDSCAPING
DETAIL AROUND UNIT
N.T.S.



TREE PRESERVATION IN FILL AREAS
N.T.S.

PLANTING NOTES

1. PLANT MATERIAL SHALL BE FURNISHED AND INSTALLED AS INDICATED INCLUDING ALL LABOR, MATERIAL, PLANTS, EQUIPMENT, INCIDENTALS AND CLEAN UP.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PLANTING AT CORRECT GRADES AND ALIGNMENTS.
3. PLANTS SHALL BE TYPICAL OF THEIR SPECIES AND VARIETY, HAVE NORMAL GROWTH HABITS, WELL DEVELOPED BRANCHES, DENSELY-FOLIATED VIGOROUS ROOT SYSTEM AND BE FREE FROM DEFECTS AND INJURIES.
4. CONTRACTOR SHALL REPORT ANY SOIL DRAINAGE CONDITION CONSIDERED DETRIMENTAL TO THE GROWTH OF PLANT MATERIAL.
5. ALL PLANT MATERIAL SHALL BE GUARANTEED BY THE CONTRACTOR TO BE IN VIGOROUS GROWING CONDITION. PROVISION SHALL BE FOR A GROWTH GUARANTEE OF AT LEAST ONE (1) YEAR FOR TREES AND A MINIMUM OF ONE (1) GROWING SEASON FOR SHRUBS. REPLACEMENT SHALL BE MADE AT THE BEGINNING OF THE FIRST SUCCEEDING PLANT SEASON. ALL REPLACEMENTS SHALL HAVE A GUARANTEE EQUAL TO THAT STATED ABOVE.
6. INSOFAR AS IT IS PRACTICAL, PLANT MATERIALS SHALL BE PLANTED ON THE DAY OF DELIVERY. IN THE EVENT THIS IS NOT POSSIBLE, THE CONTRACTOR SHALL PROTECT STOCK NOT PLANTED. PLANTS SHALL NOT REMAIN UNPLANTED FOR LONGER THAN A THREE (3) DAY PERIOD AFTER DELIVERY.
7. QUALITY AND SIZE OF PLANTS, SPREAD ROOTS, AND SIZE OF BALLS SHALL BE IN ACCORDANCE WITH ANSI Z60 (REV. 1980) AMERICAN STANDARD FOR NURSERY STOCK AS PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN, INC.
8. ALL PLANTS SHALL BE PLANTED IN TOPSOIL THAT IS THOROUGHLY WATERED AND TAMPED AS BACK FILLING PROGRESSES. NOTHING BUT SUITABLE TOPSOIL, FREE OF DRY SOD, STIFF CLAY, LITTER, ETC. SHALL BE USED FOR PLANTING.
9. PLANTS SHALL NOT BE BOUND WITH WIRE OR ROPE AT ANY TIME SO AS TO DAMAGE THE BARK AND BREAK BRANCHES. PLANTS SHALL BE HANDLED FROM THE BOTTOM OF THE BALL ONLY.
10. PLANTING OPERATIONS SHALL BE PERFORMED DURING PERIODS WITHIN THE PLANTING SEASON WHEN WEATHER AND SOIL CONDITIONS ARE SUITABLE AND IN ACCORDANCE WITH ACCEPTED LOCAL PRACTICES.
11. NO PLANT, EXCEPT GROUND COVERS, SHALL BE PLANTED LESS THAN TWO (2) FEET FROM EXISTING STRUCTURES AND SIDEWALKS.
12. SET ALL PLANTS PLUMB AND STRAIGHT AND AT SUCH LEVEL THAT, AFTER SETTLEMENT, A NORMAL OR NATURAL RELATIONSHIP TO THE CROWN OF THE PLANT WITH THE GROUND'S SURFACE WILL BE ESTABLISHED. LOCATE PLANT IN THE CENTER OF THE PIT.
13. ALL INJURED ROOTS SHALL BE PRUNED TO MAKE CLEAN ENDS BEFORE PLANTING. IT IS ADVISABLE TO PRUNE APPROXIMATELY 1/3 OF THE GROWTH OF LARGE TREES (2" CALIPER AND OVER) BY THE REMOVAL OF BRANCHES, THOSE WHICH CROSS, THOSE WHICH RUN PARALLEL, ETC. MAIN LEADER OF TREES MUST NOT BE CUT BACK. LONG SIDE BRANCHES, HOWEVER, MUST BE SHORTENED.
14. EACH TREE AND SHRUB SHALL BE PRUNED IN ACCORDANCE WITH STANDARD HORTICULTURAL PRACTICE TO PRESERVE NATURAL CHARACTER OF PLANT. PRUNING SHALL BE WITH CLEAN SHARP TOOLS. CUTS OVER 3/4" IN DIAMETER SHALL BE PAINTED WITH SUITABLE TREE DRESSING.
15. TREES SHALL BE SUPPORTED IMMEDIATELY AFTER PLANTING. GUYING WIRES AND STAKES SHALL BE INSTALLED AS INDICATED ON THE PLANS AND DETAILS.
16. DRAWINGS TO BE SCALED FOR PURPOSES OF LOCATING SOIL BERMS, PLANT MATERIAL, PLANTING BEDS, GROUND COVER AREAS AND OTHER SITE AMENITIES SHOWN. DRAWINGS ARE DIAGRAMMATIC: PLANT MATERIAL IS SUBJECT TO FIELD ADJUSTMENT.
17. ALL PLANT MATERIAL TO BE SET IN PREPARED MULCHED BEDS. FINAL BED LINES TO BE APPROVED IN THE FIELD BY THE LANDSCAPE ARCHITECT OR THE OWNER'S REPRESENTATIVE.
18. ALL PLANTING BEDS TO RECEIVE 3" OF SHREDDED HARDWOOD BARK MULCH AS INDICATED ON THE PLANTING DETAILS. FINAL LOCATION OF PLANT MATERIAL TO BE DETERMINED IN THE FIELD BY THE LANDSCAPE ARCHITECT OR THE OWNER'S REPRESENTATIVE.
19. CONTRACTOR TO VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO ANY EXCAVATION ACTIVITIES.
20. NO DECIDUOUS SHADE TREES WILL BE LOCATED CLOSER THAN 10 FEET TO ANY SUBSURFACE STORM SEWER OR SANITARY SEWER PIPE. LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR VERIFICATIONS OF ALL PLANTED MATERIAL QUANTITIES. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT. PLAN HOLDS PRECEDENCE.
21. CONTRACTOR SHALL COORDINATE ALL WORK WITH APPROPRIATE TOWNSHIP AGENCIES AND UTILITIES COMPANIES.
22. NO SHADE TREE SHALL BE PLANTED CLOSER THAN 15 FEET TO ANY RELOCATED OR EXISTING LIGHT STANDARD.
23. STREET TREE NOTES:
    - A. ALL STREET TREES SHALL BE CERTIFIED AS NURSERY-GROWN, FREE OF PESTS AND DISEASES AND SHALL HAVE A BRANCHING STRUCTURE WHICH IS TRUE TO THAT SPECIES.
    - B. NO STREET TREE SHALL BE PLANTED UNDERNEATH UTILITY LINES, OTHER THAN THOSE SPECIES WHICH ARE SPECIFICALLY PERMITTED BY ORDINANCE.
    - C. THE TOWNSHIP PLANNER SHALL BE NOTIFIED 48 HOURS IN ADVANCE OF ANY STREET TREE INSTALLATION.
    - D. NO SHADE TREES SHALL BE PLANTED WITHIN 10 FEET OF A SEWER LINE.
    - E. PLANTINGS WHICH DO NOT LIVE SHALL BE REPLACED WITHIN SIX MONTHS AFTER FORMAL NOTIFICATION BY THE TOWNSHIP PLANNER.
    - F. ALL TREES TO BE NURSERY-GROWN AND CERTIFIED THEREBY TO BE DISEASE FREE.
    - G. ALL TREES TO BE BALLED AND BURLAPPED.
    - K. ALL STREET TREES TO BE SINGLE TRUNK HAVING A MINIMUM DIAMETER OF (3) THREE INCHES AT A POINT 6" ABOVE GROUND LEVEL.
    - L. STREET TREES SHALL BE INSTALLED 5' BEHIND THE SIDEWALK.

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04/17/08	2	REVISED PER PINELANDS REVIEW LETTER DATED 04/10/08	LAT	JTS
02/18/08	1	INITIAL SUBMISSION	LAT	JTS

MAJOR SUBDIVISION
BLOCK 0302, LOTS 21 & 22
EGG HARBOR TOWNSHIP, ATLANTIC COUNTY, NEW JERSEY

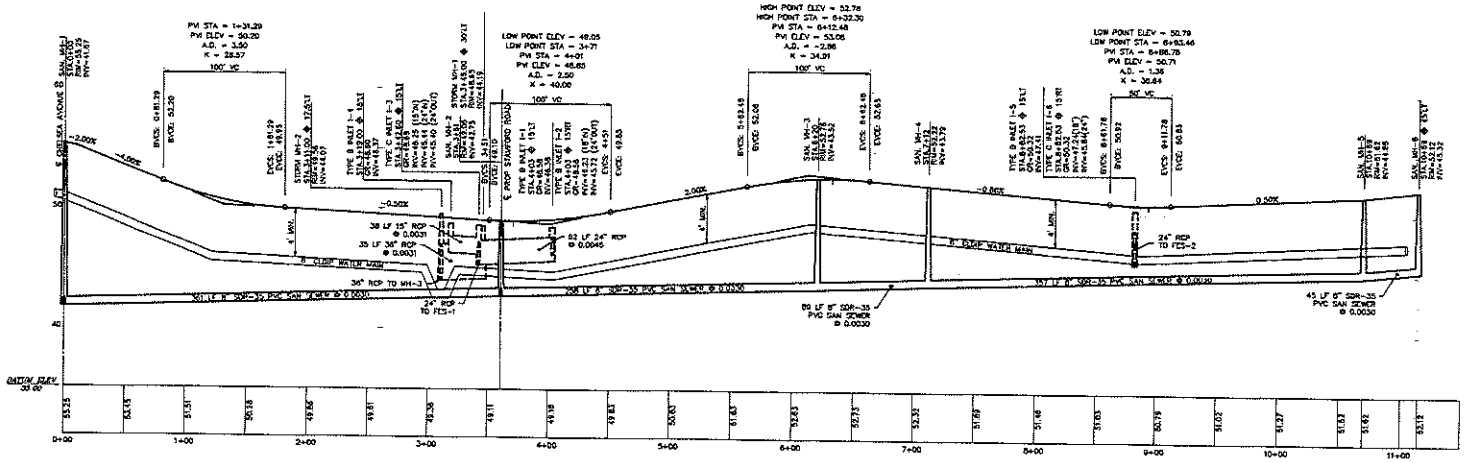
LANDSCAPING DETAIL SHEET

DROZDOV, SPORKIN & LISTER, LLC
c/o COOPER LEVENSON
1125 ATLANTIC AVENUE, SUITE 235, ATLANTIC CITY, NEW JERSEY 08401

JASON T. SCIULLO, P.E.
PROFESSIONAL ENGINEER
NEW JERSEY LICENSE NO. 24GE04580000

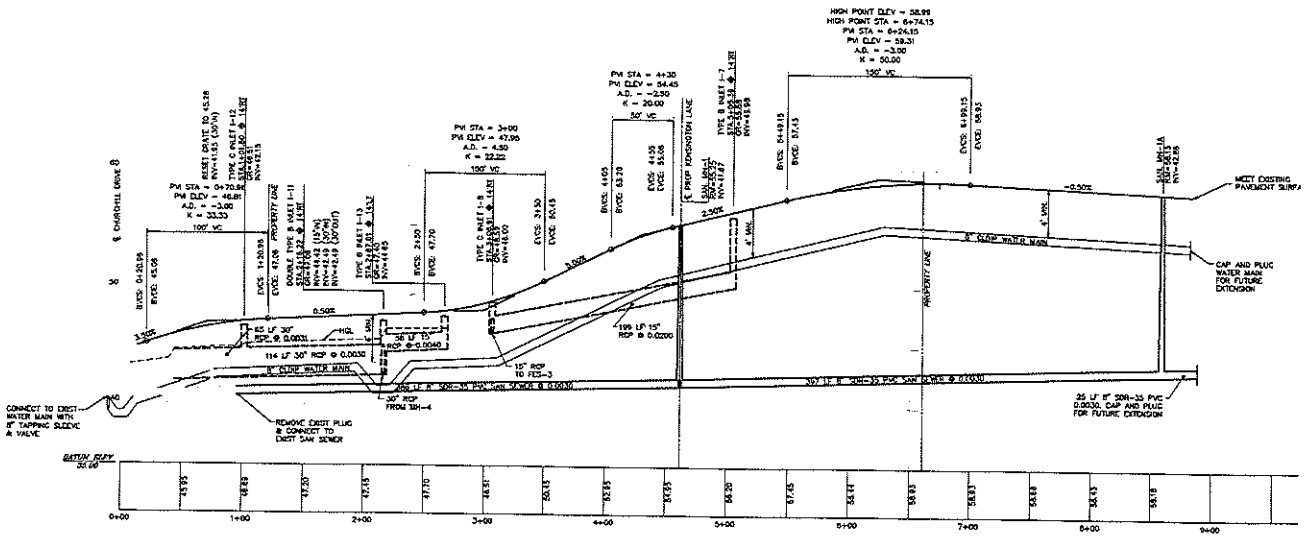
Marathon
Engineering & Environmental Services, Inc.

AS SHOWN | JTS
LAT | 7 OF 15



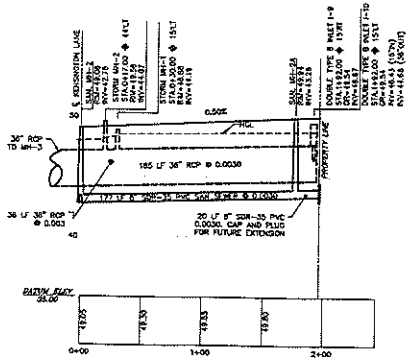
PROPOSED KENSINGTON LANE PROFILE

HORIZONTAL SCALE: 1"=40'
VERTICAL SCALE: 1"=4'



CHELSEA AVENUE PROFILE

HORIZONTAL SCALE: 1"=40'
VERTICAL SCALE: 1"=4'



PROPOSED STAMFORD ROAD PROFILE

HORIZONTAL SCALE: 1"=40'
VERTICAL SCALE: 1"=4'

ISSUE DATE	ISSUE NO.	SUBMISSION/REVISION	BY	APPR.
03/14/12	5	REVISED PER RESOLUTION 12-09, ISSUED TO TOWNSHIP FOR FINAL	LAT	JTS
03/25/09	4	REVISED PER TRC COMMENTS AND REVIEW LETTERS	LAT	JTS
08/18/08	3	REVISED PER PINELANDS REVIEW LETTER DATED 06/15/08	LAT	JTS
04/07/08	2	REVISED PER PINELANDS REVIEW LETTER DATED 04/10/08	LAT	JTS
02/18/08	1	INITIAL SUBMISSION	LAT	JTS

MAJOR SUBDIVISION
BLOCK 5202, LOTS 21 & 22
EGG HARBOR TOWNSHIP, ATLANTIC COUNTY, NEW JERSEY

ROAD PROFILE

DROZDOV, SPORKIN & LISTER, LLC
c/o COOPER LEVISON
1125 ATLANTIC AVENUE, SUITE 333, ATLANTIC CITY, NEW JERSEY 08401

JASON T. SCIULLO, P.E.
PROFESSIONAL ENGINEER
NEW JERSEY LICENSE NO. 24GE04386000

Marathon Engineering & Environmental Services, Inc.
Atlantic City Office
2621 Dorbin Ave., Atlantic City, N.J. 08401
ph (609) 677-2100 fax (609) 677-2101
Certificate of Authorization #24GA27996700

SCALE	1"=40'
DRAWN BY	LAT
DATE	OCT
PLOT	6 OF 15
SHEET NO.	3
DWG. NO.	CONST

EXISTING UTILITY INFORMATION SHOWN ON THESE PLANS IS FURNISHED BY THE UTILITY COMPANIES AND/OR THE SURVEYOR AND THE ACCURACY THEREOF IS NOT THE RESPONSIBILITY OF MARATHON ENGINEERING & ENVIRONMENTAL SERVICES, INC. IT IS THE RESPONSIBILITY OF THE OWNERS AND/OR CONTRACTOR TO CALL 1-800-272-1000 FOR FIELD LOCATION OF UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION.

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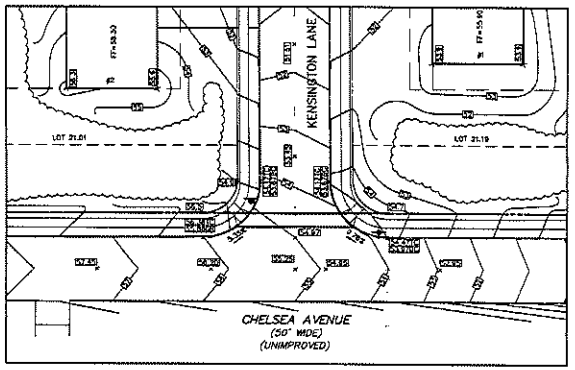
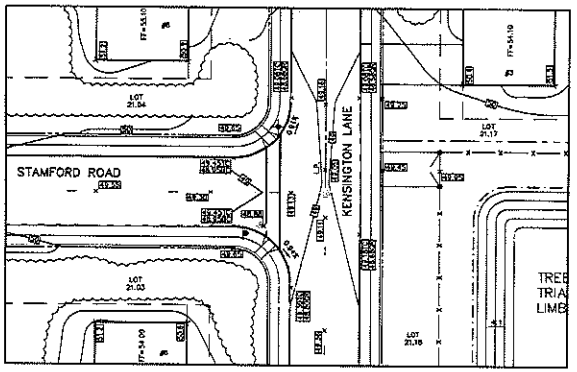
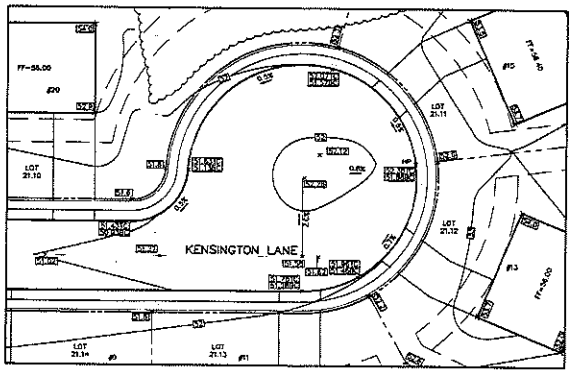


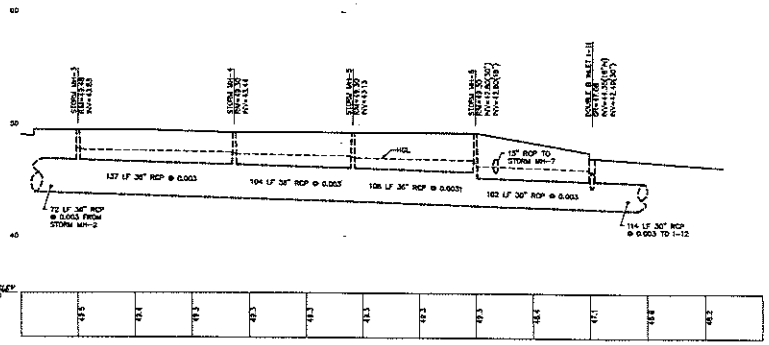
INTERSECTION OF CHELSEA AVENUE & KENSINGTON LANE
SCALE: 1"=20'



INTERSECTION OF STAMFORD ROAD & KENSINGTON LANE
SCALE: 1"=20'



KENSINGTON LANE CUL-DE-SAC
SCALE: 1"=20'



MH-3 TO I-11
HORIZONTAL SCALE: 1"=40'
VERTICAL SCALE: 1"=4'

ISSUE DATE	ISSUE NO.	SUBMISSION/REVISION	BY	APPR.
03/14/12	5	REVISED PER RESOLUTION 02-08, ISSUED TO TOWNSHIP FOR FINAL	LAT	JTS
03/22/06	4	REVISED PER TRC COMMENTS AND REVIEW LETTERS	LAT	JTS
06/19/06	3	REVISED PER PINELANDS REVIEW LETTER DATED 06/15/06	LAT	JTS
04/17/06	2	REVISED PER PINELANDS REVIEW LETTER DATED 04/10/06	LAT	JTS
02/16/06	1	INITIAL SUBMISSION	LAT	JTS

MAJOR SUBDIVISION
BLOCK 5302, LOTS 21 & 22
EGG HARBOR TOWNSHIP, ATLANTIC COUNTY, NEW JERSEY

UTILITY PROFILES
AND INTERSECTION DETAILS

DROZDOV, SPORKIN & LISTER, LLC
c/o CROFER LENADOW
1920 ATLANTIC AVENUE, SUITE 205, ATLANTIC CITY, NEW JERSEY 08401

JASON T. SCIULLO, P.E.
PROFESSIONAL ENGINEER
NEW JERSEY LICENSE NO. 24GE04088000

Marathon
Engineering & Environmental Services, Inc.
Atlantic City Office
2832 Baltic Ave., Atlantic City, N.J. 08401
ph (609) 672-9191 fax (609) 672-3161
Certificate of Authorization #24GA27995700

SCALE	AS NOTED
DRAWN BY	DFW
CHECKED BY	RJC
SHEET NO.	6 OF 13
DRAWING NO.	5
REVISION	CORRC

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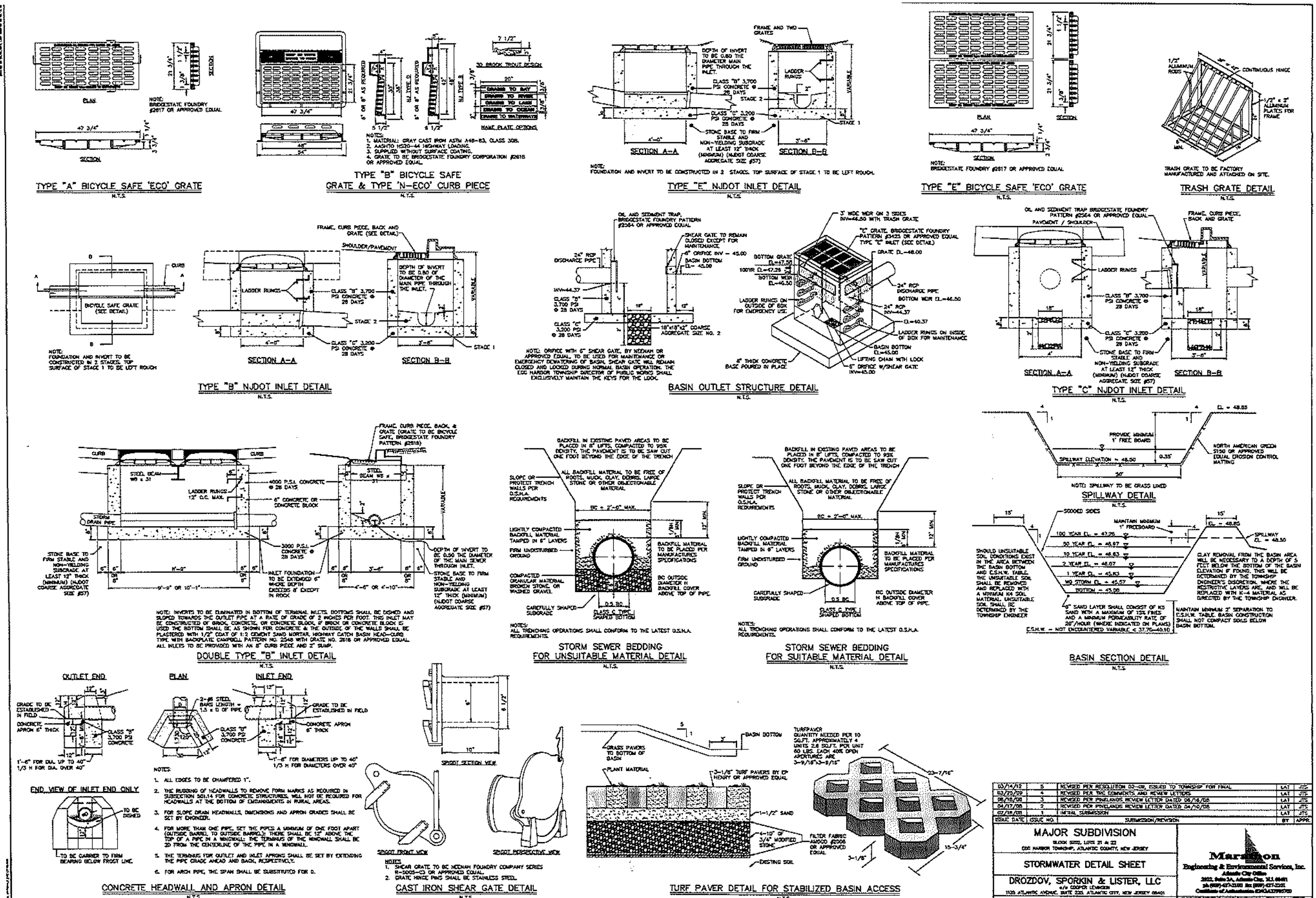

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03/25/09	4	REVISED PER TWC COMMENTS AND REVIEW LETTERS	LAT	JTS
06/18/08	3	REVISED PER PINELANDS REVIEW LETTER DATED 06/16/08	LAT	JTS
04/17/08	2	REVISED PER PINELANDS REVIEW LETTER DATED 04/10/08	LAT	JTS
07/18/08	1	INITIAL SUBMISSION	LAT	JTS

MAJOR SUBDIVISION

BLOCK 6202, LOTS 21 & 22
EGG HARBOR TOWNSHIP, ATLANTIC COUNTY, NEW JERSEY

STORMWATER DETAIL SHEET

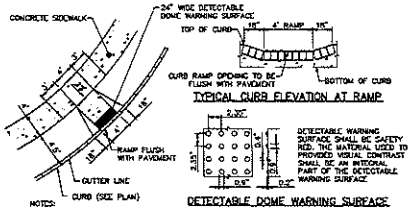
DROZDOV, SPORKIN & LISTER, LLC
c/o COOPER LEVENSON
1125 ATLANTIC AVENUE, SUITE 225, ATLANTIC CITY, NEW JERSEY 08401

JASON T. SCIULLO, P.E.
PROFESSIONAL ENGINEER
NEW JERSEY LICENSE NO. 24GE04386000

Marathon
Engineering & Environmental Services, Inc.
Atlantic City Office

SCALE	DRAWN
AS SHOWN	DFW
RLC	11 OF 15
5	C1102

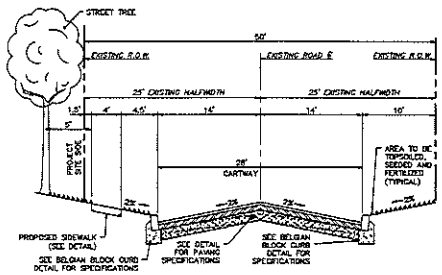
DWG 001.02



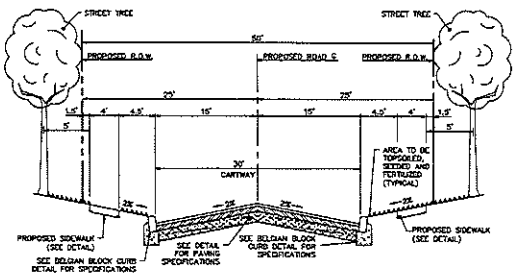
TYPICAL CURB ELEVATION AT RAMP

DETECTABLE DOME WARNING SURFACE

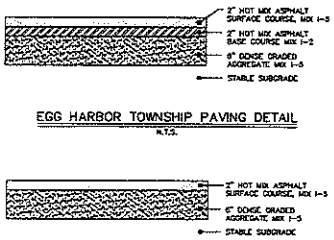
NJDOT TYPE 4
BARRIER FREE RAMP DETAIL
N.T.S.



TYPICAL CHELSEA AVENUE CROSS SECTION
N.T.S.

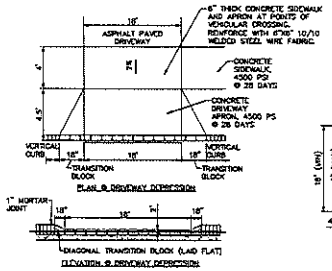


TYPICAL ROAD A & B CROSS SECTION
N.T.S.

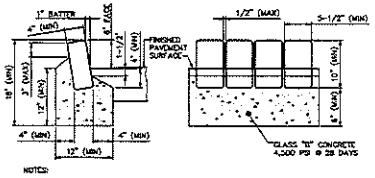


EGG HARBOR TOWNSHIP PAVING DETAIL
N.T.S.

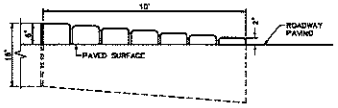
DRIVEWAY SECTION DETAIL
N.T.S.



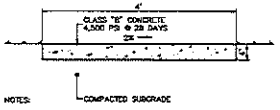
BELGIAN BLOCK
DEPRESSED CURB DETAIL
N.T.S.



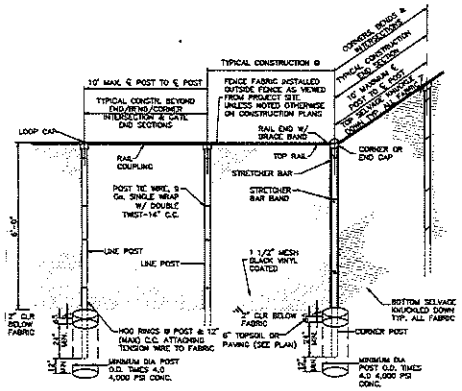
BELGIAN BLOCK CURB
N.T.S.



10' BELGIAN BLOCK
CURB END TAPER DETAIL
N.T.S.



CONCRETE SIDEWALK DETAIL
N.T.S.

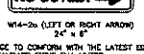


6' HIGH CHAIN LINK FENCE DETAIL
N.T.S.

R1-1
30" x 30"

NOTE:
SIGNAGE TO CONFORM WITH THE LATEST EDITION OF STANDARD SIGNS FHA MUTCD. ALL SIGNS SHALL BE MOUNTED ON BREAKAWAY SIGN POSTS.

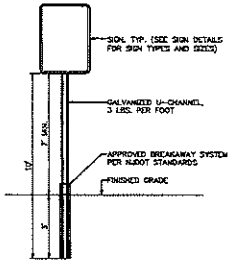
STOP SIGN
N.T.S.



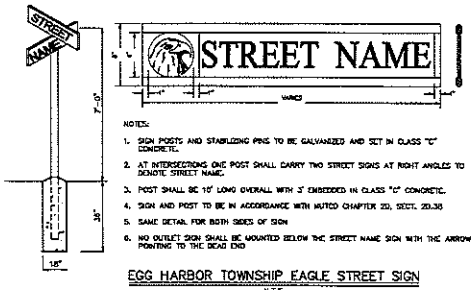
W14-2a (LEFT OR RIGHT ARROW)
24" x 6"

NOTE:
SIGNAGE TO CONFORM WITH THE LATEST EDITION OF STANDARD SIGNS FHA MUTCD.

NO OUTLET SIGN
N.T.S.

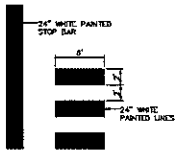


SIGN POLE DETAIL
N.T.S.



NOTES:
1. SIGN POSTS AND STABILIZING PINS TO BE GALVANIZED AND SET IN CLASS "C" CONCRETE.
2. AT INTERSECTIONS ONE POST SHALL CARRY TWO STREET SIGNS AT RIGHT ANGLES TO DENOTE STREET NAME.
3. POST SHALL BE 10' LONG OVERALL WITH 3' EMBEDDED IN CLASS "C" CONCRETE.
4. SIGN AND POST TO BE IN ACCORDANCE WITH MUTCD CHAPTER 2D, SECT. 2D.38
5. SAME DETAIL FOR BOTH SIDES OF SIGN
6. NO OUTLET SIGN SHALL BE MOUNTED BELOW THE STREET NAME SIGN WITH THE ARROW POINTING TO THE DEAD END

EGG HARBOR TOWNSHIP EAGLE STREET SIGN
N.T.S.



6' WIDE CROSSWALK DETAIL
N.T.S.

CSUC DATE	ISSUE NO.	SUBMISSION/REVISION	BY	APPR.
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02/18/08	1	INITIAL SUBMISSION	LAT	JTS

MAJOR SUBDIVISION
BLOCK 5202, LOTS 21 & 22
EGG HARBOR TOWNSHIP, ATLANTIC COUNTY, NEW JERSEY

SITE DETAIL SHEET

DROZDOV, SPORKIN & LISTER, LLC
c/o COOPER LEVENSON
1125 ATLANTIC AVENUE, SUITE 325, ATLANTIC CITY, NEW JERSEY 08401

JASON T. SCIULLO, P.E.
PROFESSIONAL ENGINEER
NEW JERSEY LICENSE NO. 24GE04066600

DRO_001.02

Marathon Engineering & Environmental Services, Inc.
Atlantic City Office
3101 Bacharach Blvd., Atlantic City, N.J. 08401
ph (609)-677-2100 fax (609)-677-2105
Certificate of Authorization #24GA27976700

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SCALE	AS SHOWN
DRAWN BY	RLG
SHEET NO.	5
SHEET	10 OF 15
DWG NO.	CF01

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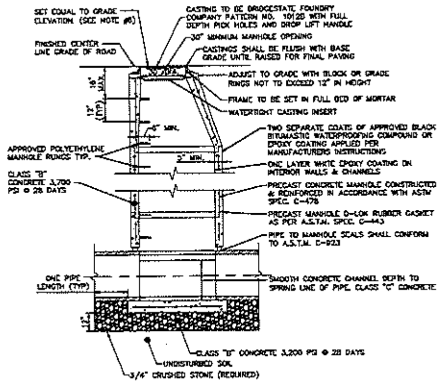
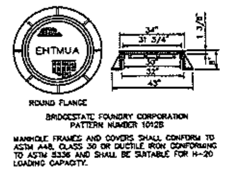


NOTES:

1. IN GENERAL, FLAT TOP MANHOLES ARE NOT ACCEPTED UNLESS OTHERWISE AUTHORIZED BY THE EGG HARBOR TOWNSHIP M.U.A. ENGINEER IN WRITING.
2. CRUSHED CONCRETE AND ASPHALT ARE NOT ACCEPTABLE SUBSTITUTES FOR CRUSHED STONE BASE.
3. BRIDGESTATE PATTERN NO. 1203A IS NOT ACCEPTABLE.
4. RING RISERS ARE NOT PERMITTED FOR ADJUSTMENT OF FINAL GRADE CASTINGS, PER ENGINEERS APPROVAL. RINGS MUST BE TACK WELDED (4-LOCATIONS) TO CASTINGS.
5. THERE IS TO BE ONE LAYER OF WHITE EPOXY COATING ON THE INTERIOR OF THE MANHOLE WALLS AND CHANNELS.
6. RIM ELEVATION FOR THE MANHOLE CASTING SHALL BE SET EQUAL TO THE BASE COURSE GRADE ELEVATION, AND SUBSEQUENTLY RAISED TO THE TOP COURSE ELEVATION ONCE THE PAVING IS INSTALLED.

SANITARY SEWER PRECAST MANHOLE DETAIL

N.T.S.

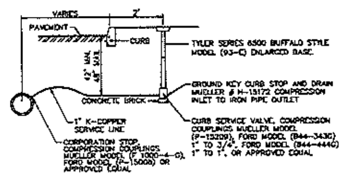


BRIDGESTATE FOUNDRY CORPORATION PATTERN NUMBER 1012B

MANHOLE FRAMES AND COVERS SHALL CONFORM TO ASTM A48, CLASS 30 OR DUCTILE IRON CONFORMING TO ASTM 5336 AND SHALL BE SUITABLE FOR H-20 LOADING CAPACITY.

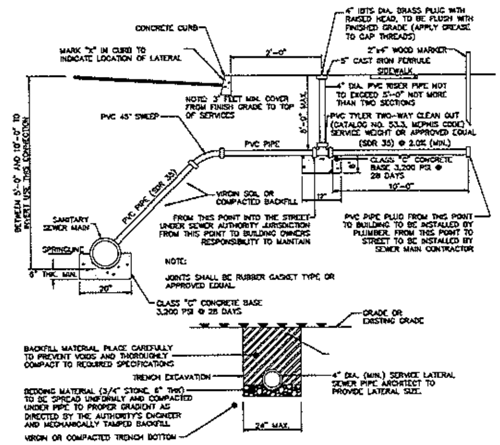
MANHOLE RIM DETAIL

N.T.S.



WATER SERVICE CONNECTION DETAIL

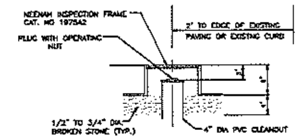
N.T.S.



SANITARY SEWER TYPICAL LATERAL DETAIL

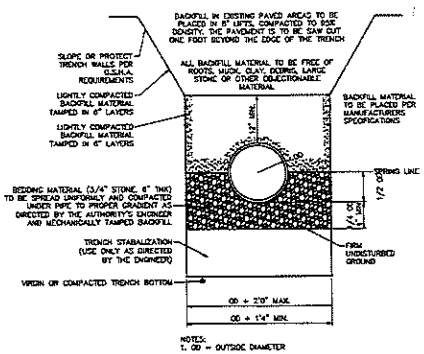
N.T.S.

NOTE: MUST BE LOCATED IN PUBLIC RIGHT-OF-WAY. NO CLEANOUT IS TO BE LOCATED WITHIN A DRIVEWAY OR OTHER AREA SUBJECT TO VEHICULAR TRAFFIC.



INSPECTION FRAME CLEANOUT

N.T.S.



NOTES:
1. OD = OUTSIDE DIAMETER

2. INSTALL CLASS 52 D.I.P. WHEN THE DEPTH OF THE INSTALLATION IS LESS THAN 3'0" OR EXCEEDS 20'0".

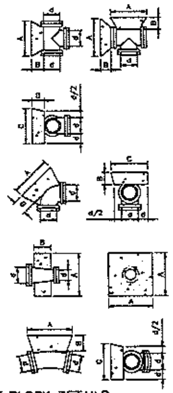
SANITARY SEWER TRENCH DETAIL

N.T.S.

MINIMUM SIZE OF CONCRETE THRUST BLOCKS				
d	6"	8"	10"	12"
TEES & CROSSES				
A	2'-0"	2'-6"	3'-0"	3'-6"
B	8"	8"	10"	10"
C	1'-3"	1'-6"	2'-0"	2'-6"
90° BENDS				
A	2'-6"	3'-0"	3'-6"	3'-9"
B	8"	8"	10"	10"
C	1'-3"	1'-9"	2'-0"	2'-9"
45° BENDS				
A	1'-6"	1'-9"	2'-3"	2'-3"
B	8"	8"	10"	10"
C	1'-3"	1'-9"	2'-0"	2'-6"
22.5° & 11.25° BENDS				
A	1'-0"	1'-6"	1'-6"	1'-6"
B	8"	8"	10"	10"
C	1'-3"	1'-9"	2'-0"	2'-6"
REDUCERS				
dxd	6"x4"	8"x4"	10"x6"	10"x8"
A	1'-0"	2'-0"	2'-4"	2'-6"
B	1'-0"	1'-0"	1'-3"	1'-6"

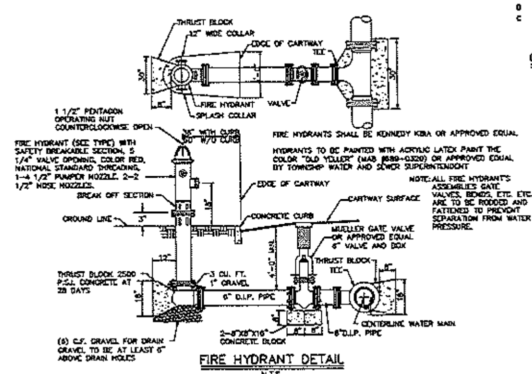
NOTES:

1. ALL CONCRETE TO BE CLASS "C" (3,200 PSI @ 28 DAYS).



THRUST BLOCK DETAILS

N.T.S.



FIRE HYDRANTS SHALL BE KENNEDY K8A OR APPROVED EQUAL.

HYDRANTS TO BE PAINTED WITH ACRYLIC LATEX PAINT THE COLOR "OLD YELLER" (MAB #889-0320) OR APPROVED EQUAL BY TOWNSHIP WATER AND SEWER SUPERINTENDENT

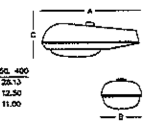
NOTE: ALL FIRE HYDRANT'S ASSEMBLIES GATE VALVES, BENDS, ETC. ETC. ARE TO BE RODDED AND FATTENED TO PREVENT SEPARATION FROM WATER PRESSURE.

FIRE HYDRANT DETAIL

N.T.S.

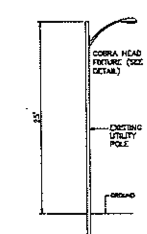
DIMENSIONS

INCHES \ WATTS	50 TO 150	250, 400
A	28.36	28.13
B	13.00	12.50
C	10.13	11.00



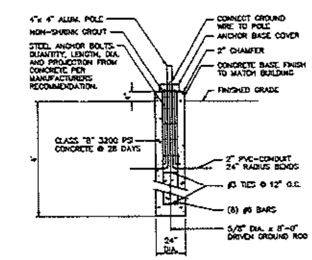
COBRA HEAD FIXTURE DETAIL

N.T.S.



LIGHT STANDARD DETAIL

N.T.S.



LIGHT BASE DETAIL

N.T.S.

ISSUE DATE	ISSUE NO.	SUBMISSION/REVISION	BY	APPR.
03/14/12	5	REVISED PER RESOLUTION 02-05, ISSUED TO TOWNSHIP FOR FINAL	LAT	JTS
03/25/09	4	REVISED PER TRC COMMENTS AND REVIEW LETTERS	LAT	JTS
08/18/08	3	REVISED PER PINELANDS REVIEW LETTER DATED 06/16/08	LAT	JTS
04/17/08	2	REVISED PER PINELANDS REVIEW LETTER DATED 04/16/08	LAT	JTS
02/18/08	1	INITIAL SUBMISSION	LAT	JTS

MAJOR SUBDIVISION

BLOCK 5202, LOTS 21 & 22
EGG HARBOR TOWNSHIP, ATLANTIC COUNTY, NEW JERSEY

SANITARY SEWER & WATER DETAIL SHEET

DROZDOV, SPORKIN & LISTER, LLC
c/o COOPER LEVENSON
1125 ATLANTIC AVENUE, SUITE 320, ATLANTIC CITY, NEW JERSEY 08401

JASON T. SCIULLO, P.E.
PROFESSIONAL ENGINEER
NEW JERSEY LICENSE NO. 24GE04508000

Marathon Engineering & Environmental Services, Inc.
Atlantic City Office
2922 Atlantic Ave, Suite 3A, Atlantic City, NJ 08401

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DWG 001.02

EXISTING UTILITY INFORMATION SHOWN ON THESE PLANS IS FURNISHED BY THE UTILITY COMPANIES AND/OR THE SURVEYOR AND THE ACCURACY THEREOF IS NOT THE RESPONSIBILITY OF MARATHON ENGINEERING & ENVIRONMENTAL SERVICES, INC. IT IS THE RESPONSIBILITY OF THE OWNERS AND/OR CONTRACTOR TO CALL 1-800-272-1000 FOR FIELD LOCATION OF UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION.

THIS PLAN IS NOT FOR CONSTRUCTION PURPOSES.
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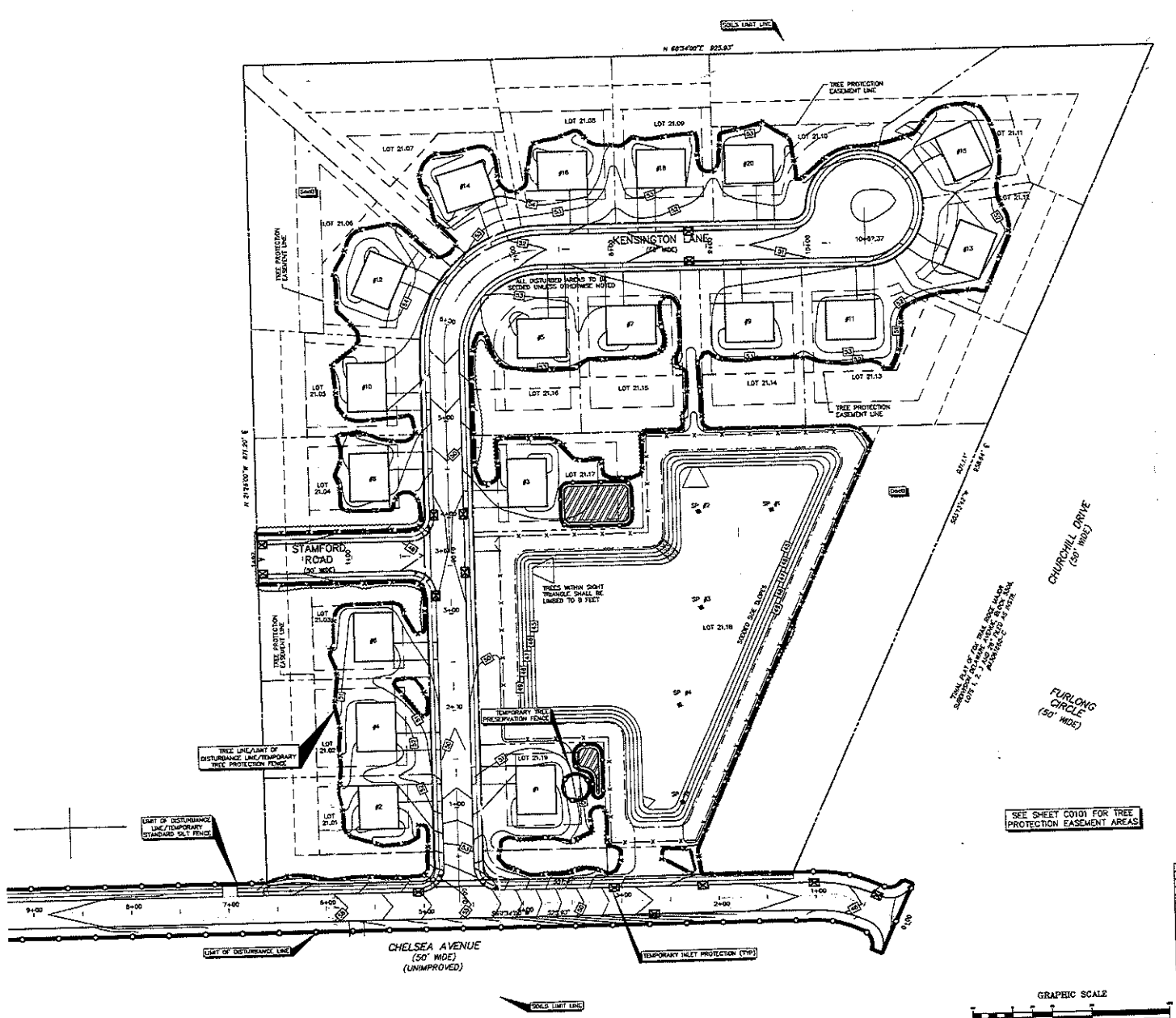

SOIL SERIES LEGEND

DocB SOMMER LOAMY SAND "B" SOIL GROUP
SadB SASSAFRAS SANDY LOAM "B" SOIL GROUP

SOILS DATA OBTAINED FROM NRCS SOILS MAP OF ATLANTIC COUNTY.

TOTAL AREA OF DISTURBANCE = 11.42 AC

LEGEND

- TEMPORARY TREE PRESERVATION FENCE
- TEMPORARY STANDARD SILT FENCE/ LIMIT OF DISTURBANCE LINE
- TEMPORARY TREE PROTECTION FENCE/ LIMIT OF DISTURBANCE LINE
- LIMIT OF DISTURBANCE LINE
- SOILS LIMIT LINE
- TEMPORARY TOPSOIL STOCKPILE AREA
- TEMPORARY INLET PROTECTION
- DocB SOILS DESIGNATION
- TREE PROTECTION EASEMENT

NOTES

THIS PLAN TO BE USED FOR SOIL EROSION AND SEDIMENT CONTROL PURPOSES ONLY

ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL APPLY TO SUBSEQUENT OWNERS IF TITLE IS CONVEYED

SOIL EROSION AND SEDIMENT CONTROL IMPLEMENTATION SHALL BE IN ACCORDANCE WITH STANDARDS SET FORTH BY THE CAPE ATLANTIC CONSERVATION DISTRICT

ALL TOPSOIL STORAGE AREAS SHALL BE REMOVED PRIOR TO FINAL OCCUPANCY OF FINAL DWELLING UNIT

03/14/13	3	REVISED PER RESOLUTION 02-09, ISSUED TO TOWNSHIP FOR FINAL	LAT	JTS
02/20/09	4	REVISED PER TRC COMMENTS AND REVIEW LETTERS	LAT	JTS
08/18/08	3	REVISED PER PINELANDS REVIEW LETTER DATED 06/06/08	LAT	JTS
04/17/08	2	REVISED PER PINELANDS REVIEW LETTER DATED 04/10/08	LAT	JTS
02/18/08	1	INITIAL SUBMISSION	LAT	JTS
ECSJC DATE	ECSJC NO.	SUBMISSION/REVISION	BY	APPR.

MAJOR SUBDIVISION

BLOCK 5202, LOTS 21 & 22
EGG HARBOR TOWNSHIP, ATLANTIC COUNTY, NEW JERSEY

SOIL CONSERVATION PLAN

DROZDOV, SPORKIN & LISTER, LLC
c/o COOPER LEVENSON
1125 ATLANTIC AVENUE, SUITE 325, ATLANTIC CITY, NEW JERSEY 08401

JASON T. SCIULLO, P.E.
PROFESSIONAL ENGINEER
N.J. LICENSED LICENSE NO. 24GE04586000

DWG. 001.001

Marathon
Engineering & Environmental Services, Inc.
Atlantic City Office
2002, Suite 3A, Atlantic City, N.J. 08401
ph (609)-677-0200 fax (609)-677-2181
Certificate of Authorization #24GA27990100

SCALE	AS SHOWN	JTS
DRAWN BY		PMT
SHEET	LAT	13 OF 15
VERTICAL	N	DATUM NA
DATE		01.2011

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NARRATIVE

GENERAL NOTES

1. ALL APPLICABLE EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE IN PLACE PRIOR TO ANY GRADING OPERATION AND/OR INSTALLATION OF PROPOSED STRUCTURES OR UTILITIES.
2. SOIL EROSION AND SEDIMENT CONTROL PRACTICES ON THIS PLAN SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY.
3. APPLICABLE EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE LEFT IN PLACE UNTIL CONSTRUCTION IS COMPLETED AND/OR THE AREA IS STABILIZED.
4. THE CONTRACTOR SHALL PERFORM ALL WORK, FURNISH ALL MATERIALS AND INSTALL ALL MEASURES REQUIRED TO REASONABLY CONTROL SOIL EROSION RESULTING FROM CONSTRUCTION OPERATIONS AND PREVENT EXCESSIVE FLOW OF SEDIMENT FROM THE CONSTRUCTION SITE.
5. ANY DISTURBED AREA THAT IS TO BE LEFT EXPOSED FOR MORE THAN THIRTY (30) DAYS AND NOT SUBJECT TO CONSTRUCTION TRAFFIC SHALL IMMEDIATELY RECEIVE A TEMPORARY SEEDING AND FERTILIZATION IN ACCORDANCE WITH THE NEW JERSEY STANDARDS AND THEIR RATES ARE INCLUDED IN THE NARRATIVE. IF THE SEASON PROHIBITS TEMPORARY SEEDING, THE DISTURBED AREAS WILL BE MULCHED WITH SALT HAY OR THE EQUIVALENT AND ANCHORED IN ACCORDANCE WITH THE NEW JERSEY STANDARDS (I.E. PEG AND TWINE, MULCH NETTING OR LIQUID MULCH BINDER).
6. IT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER TO PROVIDE CONFIRMATION OF LIME, FERTILIZER AND SEED APPLICATION AND RATES OF APPLICATION AT THE REQUEST OF THE CAPE-ATLANTIC SOIL CONSERVATION DISTRICT.
7. ALL CRITICAL AREAS SUBJECT TO EROSION WILL RECEIVE A TEMPORARY SEEDING IN COMBINATION WITH STRAW MULCH AT A RATE OF 2 TONS PER ACRE, ACCORDING TO THE NEW JERSEY STANDARDS IMMEDIATELY FOLLOWING ROUGH GRADING.
8. THE SITE SHALL AT ALL TIMES BE GRADED AND MAINTAINED SUCH THAT ALL STORMWATER RUNOFF IS DIVERTED TO SOIL EROSION AND SEDIMENT CONTROL FACILITIES.
9. ALL SEDIMENTATION STRUCTURES WILL BE INSPECTED AND MAINTAINED ON A REGULAR BASIS AND AFTER EVERY STORM EVENT.
10. A CRUSHED STONE, TIRE CLEANING PAD WILL BE INSTALLED WHEREVER A CONSTRUCTION ACCESS EXISTS. THE STABILIZED PAD WILL BE INSTALLED ACCORDING TO THE STANDARD FOR STABILIZED CONSTRUCTION ACCESS.
11. ALL DRIVEWAYS MUST BE STABILIZED WITH 2 ½" CRUSHED STONE OR SUBBASE PRIOR TO INDIVIDUAL LOT CONSTRUCTION.
12. PAVED ROADWAYS MUST BE KEPT CLEAN AT ALL TIMES.
13. ALL CATCH BASIN INLETS WILL BE PROTECTED ACCORDING TO THE CERTIFIED PLAN.
14. ALL STORM DRAINAGE OUTLETS WILL BE STABILIZED, AS REQUIRED, BEFORE THE DISCHARGE POINTS BECOME OPERATIONAL.
15. ALL DEWATERING OPERATIONS MUST DISCHARGE DIRECTLY INTO A SEDIMENT FILTER AREA. THE SEDIMENT FILTER SHOULD BE COMPOSED OF A SUITABLE FILTER FABRIC. (SEE DETAIL) THE BASIN MUST BE DEWATERED TO NORMAL POOL WITHIN 10 DAYS OF THE DESIGN STORM.
16. NJSA 4:24-39, ET SEQ. REQUIRES THAT NO CERTIFICATE OF OCCUPANCY BE ISSUED BEFORE ALL PROVISIONS OF THE CERTIFIED SOIL EROSION AND SEDIMENT CONTROL PLAN HAVE BEEN COMPLIED WITH FOR PERMANENT MEASURES. ALL SITE WORK FOR THE PROJECT MUST BE COMPLETED PRIOR TO THE DISTRICT ISSUING A REPORT OF COMPLIANCE AS A PREREQUISITE TO THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY BY THE MUNICIPALITY.
17. MULCHING IS REQUIRED ON ALL SEEDED AREAS TO INSURE AGAINST EROSION BEFORE GRASS IS ESTABLISHED TO PROMOTE EARLIER VEGETATION COVER.
18. OFFSITE SEDIMENT DISTURBANCE MAY REQUIRE ADDITIONAL CONTROL MEASURES TO BE DETERMINED BY THE EROSION CONTROL INSPECTOR.
19. A COPY OF THE CERTIFIED SOIL EROSION AND SEDIMENT CONTROL PLAN MUST BE MAINTAINED ON THE PROJECT SITE DURING CONSTRUCTION.
20. THE CAPE-ATLANTIC CONSERVATION DISTRICT SHALL BE NOTIFIED 72 HOURS PRIOR TO ANY LAND DISTURBANCE.
21. ANY CONVEYANCE OF THIS PROJECT PRIOR TO ITS COMPLETION WILL TRANSFER FULL RESPONSIBILITY FOR COMPLIANCE WITH THE CERTIFIED PLAN TO ANY SUBSEQUENT OWNERS.
22. IMMEDIATELY AFTER THE COMPLETION OF STRIPPING AND STOCKPILING OF TOPSOIL, THE STOCKPILE MUST BE STABILIZED ACCORDING TO THE STANDARD FOR TEMPORARY VEGETATIVE COVER. STABILIZE TOPSOIL PILE WITH STRAW MULCH FOR PROTECTION IF THE SEASON DOES NOT PERMIT THE APPLICATION AND ESTABLISHMENT OF TEMPORARY SEEDING. ALL SOIL STOCKPILES ARE NOT TO BE LOCATED WITHIN FIFTY (50) FEET OF A FLOODPLAIN, SLOPE, ROADWAY OR DRAINAGE FACILITY AND THE BASE MUST BE PROTECTED WITH A SEDIMENT BARRIER.
23. ANY CHANGES TO THE SITE PLAN WILL REQUIRE THE SUBMISSION OF A REVISED SOIL EROSION AND SEDIMENT CONTROL PLAN TO THE CAPE-ATLANTIC SOIL CONSERVATION DISTRICT. THE REVISED PLAN MUST BE IN ACCORDANCE WITH THE CURRENT NEW JERSEY STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL.
24. METHODS FOR THE MANAGEMENT OF HIGH ACID PRODUCING SOILS SHALL BE IN ACCORDANCE WITH THE STANDARDS. HIGH ACID PRODUCING SOILS ARE THOSE FOUND TO CONTAIN IRON SULFIDES OR HAVE A pH OF 4 OR LESS.
25. TEMPORARY AND PERMANENT SEEDING MEASURES MUST BE APPLIED ACCORDING TO THE NEW JERSEY STANDARDS, AND MULCHED WITH SALT HAY OR EQUIVALENT AND ANCHORED IN ACCORDANCE WITH THE NEW JERSEY STANDARDS (I.E. PEG AND TWINE, MULCH NETTING OR LIQUID MULCH BINDER).
26. MAXIMUM SIDE SLOPES OF ALL EXPOSED SURFACES SHALL NOT BE CONSTRUCTED STEEPER THAN 3H:1V UNLESS OTHERWISE APPROVED BY THE DISTRICT.
27. DUST IS TO BE CONTROLLED BY AN APPROVED METHOD ACCORDING TO THE NEW JERSEY STANDARDS AND MAY INCLUDE WATERING WITH A SOLUTION OF CALCIUM CHLORIDE AND WATER.
28. ADJOINING PROPERTIES SHALL BE PROTECTED FROM EXCAVATION AND FILLING OPERATIONS ON THE PROPOSED SITE.
29. USE STAGED CONSTRUCTION METHODS TO MINIMIZE EXPOSED SURFACES, WHERE APPLICABLE.
30. ALL VEGETATIVE MATERIAL SHALL BE SELECTED IN ACCORDANCE WITH AMERICAN STANDARDS FOR NURSERY STOCK OF THE AMERICAN ASSOCIATION OF THE NURSERYMEN AND IN ACCORDANCE WITH THE NEW JERSEY STANDARDS.
31. NATURAL VEGETATION AND SPECIES SHALL BE RETAINED WHERE SPECIFIED ON THE LANDSCAPE PLAN.
32. THE SOIL EROSION INSPECTOR MAY REQUIRE ADDITIONAL SOIL EROSION MEASURES TO BE INSTALLED, AS DIRECTED BY THE DISTRICT

CAPE-ATLANTIC CONSERVATION DISTRICT
6260 OLD HARDING HIGHWAY
MAYS LANDING, NJ 08330
TEL (609) 625-3144 FAX (609) 625-7360

WORK HOURS AND NOISE CONTROL

1. CONSTRUCTION HOURS
   A. MONDAY THRU FRIDAY: 7:00AM–6:00PM
   B. SATURDAY: 8:00AM–4:30PM
   C. SUNDAY: NO WORK TO BE PERFORMED
   D. THE HOURS STATED SHALL BE ADHERED TO UNLESS DIFFERENCES REQUIRED BY WEATHER AND OR SCHEDULE CHANGES. THE TOWNSHIP SHALL BE NOTIFIED OF ALL THE CHANGES.
2. NOISE CONTROL EQUIPMENT TO BE UTILIZED SHALL BE STANDARD EARTH MOVING EQUIPMENT, CRANES, MIXERS, ETC. WHICH MEET STANDARDS ESTABLISHED BY STATE AND FEDERAL LAWS REGARDING THE AMOUNT OF NOISE PRODUCED.

DETAILED CONSTRUCTION SEQUENCE

1. CONSTRUCT TEMPORARY SOIL EROSION AND SEDIMENT CONTROL MEASURES
   A. PLACE STABILIZED CONSTRUCTION ENTRANCE WHERE INDICATED ON PLAN
   B. PLACE SILT FENCE WHERE INDICATED ON PLAN
2. CLEAR AND GRUB CONSTRUCTION AREA
   A. PLACE TOPSOIL STOCKPILE AREAS WHERE INDICATED ON PLANS
   B. CONSTRUCT AND STABILIZE INFILTRATION BASINS (TO ACT AS SEDIMENT BASIN DURING CONSTRUCTION)
   C. ROUGH GRADE SITE
3. INSTALL UNDERGROUND UTILITIES, LIGHT POLES, CONSTRUCT BASE FOR PAVING AREAS AND CONSTRUCT SIDEWALK & CURB, PLACE INLET PROTECTION AROUND INLETS.
4. CONSTRUCT BUILDINGS AND INSTALL TYPICAL LOT PROTECTION
5. FINAL PAVING
6. COLLECT ALL SILT AND SEDIMENT, PLACE BACK ON SITE.
7. ESTABLISH FINAL GRADING, PERMANENT COVER AND FINAL BASIN CLEAN-UP. ADD K5 SAND MATERIAL TO BASIN BOTTOM.
8. LANDSCAPE AS NECESSARY.

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TEMPORARY VEGETATION

4. TEMPORARY VEGETATIVE COVER: PRIOR TO HALTING CONSTRUCTION FOR PERIODS LONGER THAN 30 DAYS AND DURING THE OFF SEASON, THE CONTRACTOR SHALL STABILIZE WITH TEMPORARY VEGETATIVE COVER ALL EXPOSED SOILS.
5. TEMPORARY VEGETATIVE COVER SHALL BE ACCOMPLISHED BY THE FOLLOWING METHODS AND MATERIALS:
   A. SEEDBED PREPARATION – THE CONTRACTOR SHALL APPLY PULVERIZED DOLOMITIC LIMESTONE AT THE RATE OF 80 POUNDS PER 1,000 SQUARE FEET. APPLY 10-20-10 FERTILIZER AT THE RATE OF 14 POUNDS PER 1,000 SQUARE FEET. THE LIME AND FERTILIZER SHALL THEN BE "WORKED" INTO THE SOIL TO A DEPTH OF 4" WITH A DISC, SPRINGTOOTH HARROW OR OTHER SUITABLE EQUIPMENT.
   B. SEEDING – SEEDING SHALL CONSIST OF PERENNIAL RYEGRASS, DURING COOL SEASON APPLIED AT THE RATE OF 1 POUND PER 1000 SQUARE FEET OR 100 LBS. PER ACRE, OR WEEPING LOVEGRASS @ 5 LBS. PER ACRE DURING WARM SEASON PLANTING.
   C. MULCHING – THE CONTRACTOR SHALL MULCH ALL NEWLY SEEDED AREAS WITH HAY, AT THE RATE OF 70 POUNDS PER 1000 SQUARE FEET. IT SHALL BE ANCHORED THROUGH THE USE OF THE PEG AND TWINE METHOD. THE PEG AND TWINE METHOD OF MULCH ANCHORING SHALL CONSIST OF DRIVING 8-10 INCH WOODEN PEGS TO WITHIN 2-3 INCHES OF THE SOIL SURFACE EVERY 4 FEET IN ALL DIRECTIONS. STAKES MAY BE DRIVEN BEFORE OR AFTER APPLYING MULCH. SECURE MULCH TO SOIL SURFACE BY STRETCHING TWINE BETWEEN PEGS IN A CRISS-CROSS AND A SQUARE PATTERN. SECURE TWINE AROUND EACH PEG WITH TWO OR MORE ROUND TURNS.
   D. SEEDING DATE – SEEDING DATES FOR TEMPORARY VEGETATION SHALL OCCUR BETWEEN MARCH 1 AND MAY 15 OR BETWEEN AUGUST 15 AND OCTOBER 1. IF SEED IS NOT PLANTED WITHIN THESE DATES, THE CONTRACTOR SHALL STABILIZE WITH (MULCH: HAY OR EQUIVALENT) AT A RATE OF 2 TONS PER ACRE AND ANCHORED AS SPECIFIED ABOVE.

PERMANENT VEGETATION

1. PERMANENT VEGETATION: IMMEDIATELY FOLLOWING THE COMPLETION OF CONSTRUCTION ACTIVITIES AT THE SITE, THE CONTRACTOR SHALL STABILIZE WITH PERMANENT VEGETATIVE COVER, ALL EXPOSED AND DISTURBED SOILS.
2. PERMANENT VEGETATIVE COVER SHALL BE ACCOMPLISHED AS SPECIFIED BELOW.
   A. TOPSOILING – THE CONTRACTOR SHALL PREPARE AREAS TO BE STABILIZED WITH PERMANENT VEGETATIVE COVER BY APPLYING TOPSOIL TO A UNIFORM DEPTH OF 5". TOPSOIL SHALL BE FRIABLE AND LOAMY AND OF GOOD QUALITY.
   B. SEEDBED PREPARATION – IMMEDIATELY FOLLOWING TOPSOILING, THE CONTRACTOR SHALL APPLY PULVERIZED DOLOMITIC LIMESTONE AT THE RATE OF 90 POUNDS PER 1,000 SQUARE FEET AND FERTILIZER (10-20-10) AT THE RATE OF 14 POUNDS PER 1000 SQUARE FEET. THE LIME AND FERTILIZER SHALL THEN BE "WORKED" INTO THE SOIL TO A DEPTH OF 4" WITH DISC, SPRINGTOOTH HARROW OR OTHER SUITABLE EQUIPMENT.
   C. SEEDING – (8–4) MIXTURE SEED . (SEE BELOW) IF SOD IS USED SEE SOD SPECS.
   D. MULCHING – THE CONTRACTOR SHALL MULCH ALL NEWLY SEEDED AREAS WITH HAY, AT THE RATE OF 90 TO 115 POUNDS PER 1,000 SQUARE FEET. IT SHALL BE ANCHORED THROUGH THE USE OF THE PEG AND TWINE METHOD. THE PEG AND TWINE METHOD OF MULCH ANCHORING SHALL CONSIST OF 8"–10" WOODEN PEGS TO WITHIN 2"–3" OF THE SOIL SURFACE EVERY 4 FEET IN ALL DIRECTIONS. STAKES MAY BE DRIVEN BEFORE OR AFTER APPLYING MULCH. SECURE MULCH TO SOIL SURFACE BY STRETCHING TWINE BETWEEN PEGS IN A CRISS-CROSS SQUARE PATTERN. SECURE TWINE AROUND EACH PEG WITH TWO OR MORE TURNS.
   E. SEEDING DATES – SEEDING DATES FOR PERMANENT VEGETATION SHALL OCCUR BETWEEN MARCH 1 AND APRIL 30 OR BETWEEN AUGUST 15 AND NOVEMBER 15. IF SEED IS NOT PLANTED WITHIN THESE DATES, THE CONTRACTOR SHALL STABILIZE WITH MULCH AS SPECIFIED ABOVE.

#15 MIXTURE	LBS/ACRE	LBS/1000 S.F.
HARD FESCUE	120	2.7
KENTUCKY BLUEGRASS (BLEND)	40	0.9
PERENNIAL RYEGRASS	30	0.7

SEEDING DATES 3/1 TO 4/30 AND 8/15 TO 11/15

IF HYDROSEEDING IS USED ALL SEEDING RATES SHALL BE INCREASED BY 25% IF SODDING IS USED SEE SOD SPECIFICATIONS.

SOD (IF SOD IS USED THE FOLLOWING SPECIFICATION SHALL BE USED)

1. CULTIVATED SOD IS PREFERRED OVER NATIVE SOD. SPECIFY "CERTIFIED SOD", OR OTHER HIGH QUALITY CULTIVATED SOD.
2. SOD SHOULD BE FREE OF WEEDS AND UNDESIRABLE COARSE WEEDY GRASSES.
3. SOD SHOULD BE OF UNIFORM THICKNESS, APPROXIMATELY 5/8 INCH, PLUS OR MINUS 1/4 INCH, AT TIME OF CUTTING. (EXCLUDES TOP GROWTH).
4. SOD SHOULD BE VIGOROUS AND DENSE AND BE ABLE TO RETAIN ITS OWN SHAPE AND WEIGHT WHEN SUSPENDED VERTICALLY WITH A FIRM GRASP FROM THE UPPER 10 PERCENT OF THE STRIP. BROKEN PADS OR TORN OR UNEVEN ENDS WILL NOT BE ACCEPTED.
5. FOR DROUGHTY SITES, A SOD OF KENTUCKY 31 TALL FESCUE AND BLUEGRASS IS PREFERRED OVER A STRAIGHT BLUEGRASS SOD.
6. ONLY MOIST, FRESH, UNHEATED SOD SHOULD BE USED. SOD SHOULD BE HARVESTED, DELIVERED AND INSTALLED WITHIN A PERIOD OF 36 HOURS.

I. SITE PREPARATION:
   A. GRADE AS NEEDED AND FEASIBLE TO PERMIT THE USE OF CONVENTIONAL EQUIPMENT FOR LIMING, FERTILIZING, AND SOIL PREPARATION. ALL GRADING SHOULD BE DONE IN ACCORDANCE WITH STANDARD FOR LAND GRADING, PAGE 4.1L IN THE NEW JERSEY SOIL EROSION CONTROL MANUAL.
   B. INSTALL NEEDED EROSION CONTROL PRACTICES AND FACILITIES, SUCH AS INTERCEPTOR DITCHES, DIKES AND TERRACES, EROSION STOPS AND DESILTING BASINS. SEE STANDARDS 4.2 THROUGH 4.16 IN THE NEW JERSEY SOIL EROSION CONTROL MANUAL.

II. SOIL PREPARATION:
   A. APPLY LIMESTONE AND FERTILIZER ACCORDING TO SOIL TESTS SUCH AS THOSE OFFERED BY RUTGERS UNIVERSITY SOIL TESTING LABORATORY. SOIL SAMPLE MAILERS ARE AVAILABLE FROM THE LOCAL COOPERATIVE EXTENSION SERVICE OFFICE. IF SOIL TESTING IS NOT FEASIBLE ON SMALL OR VARIABLE SITES, OR WHERE TIMING IS CRITICAL, FERTILIZER MAY BE APPLIED AT THE RATE OF 500 POUNDS PER ACRE OR 11 POUNDS PER 1,000 SQUARE FEET OF 10-20-10 OR EQUIVALENT. IN ADDITION, 300 POUNDS 38-0-0 PER ACRE OR EQUIVALENT OF SLOW RELEASE NITROGEN MAY BE USED IN LIEU OF TOPDRESSING. APPLY LIMESTONE (EQUIVALENT TO 50 PERCENT CALCIUM PLUS MAGNESIUM OXIDES) AS FOLLOWS:

SOIL TEXTURE	TONS / ACRE
CLAY, CLAY LOAM & HIGH ORGANIC SOIL	4
SANDY LOAM, LOAM & SILT LOAM	3
LOAMY SAND, SAND	2

   B. WORK LIME AND FERTILIZER INTO THE SOIL AS NEARLY AS PRACTICAL TO A DEPTH OF 4 INCHES WITH A DISC, SPRINGTOOTH HARROW OR OTHER SUITABLE EQUIPMENT. THE FINAL HARROWING OR DISCING OPERATION SHOULD BE ON THE GENERAL CONTOUR. CONTINUE TILLAGE UNTIL A REASONABLY UNIFORM, FIRM SEEDBED IS PREPARED.
   C. REMOVE FROM THE SURFACE ALL OBJECTS THAT WOULD PREVENT GOOD SOD TO SOIL CONTACT AND REMOVE ALL OTHER DEBRIS SUCH AS WIRE, CABLE, TREE ROOTS, PIECES OF CONCRETE, CLODS, LUMPS OR OTHER UNSUITABLE MATERIAL.
   D. INSPECT SITE JUST BEFORE SEEDING. IF TRAFFIC HAS LEFT THE SOIL COMPACTED, THE AREA MUST BE RETILLED AND FIRMED AS ABOVE.

III. SOD PLACEMENT:
   A. SOD STRIPS SHOULD BE LAID ON THE CONTOUR, NEVER UP AND DOWN THE SLOPE, STARTING AT THE BOTTOM OF THE SLOPE AND WORKING UP. ON STEEP SLOPES, THE USE OF LADDERS WILL FACILITATE THE WORK AND PREVENT DAMAGE TO THE SOD. DURING PERIODS OF HIGH TEMPERATURE, LIGHTLY IRRIGATE THE SOIL IMMEDIATELY PRIOR TO LAYING THE SOD.
   B. PLACE SOD STRIPS WITH SNUG, EVEN JOINTS THAT ARE STAGGERED. OPEN SPACES INVITE EROSION.
   C. ROLL OR TAMP SOD IMMEDIATELY FOLLOWING PLACEMENT TO INSURE SOLID CONTACT OF ROOT MAT AND SOIL SURFACE. DO NOT OVERLAP SOD. ALL JOINTS SHOULD BE BUTTED TIGHTLY IN ORDER TO PREVENT VOIDS WHICH WOULD CAUSE DRYING OF THE ROOTS.
   D. ON SLOPES GREATER THAN 3H:1V, SECURE SOD TO SURFACE SOIL WITH WOOD PEGS, WIRE STAPLES, OR SPLIT SHINGLES (8" TO 10" LONG BY 3/4" WIDE).
   E. SURFACE WATER CANNOT ALWAYS BE DIVERTED FROM FLOWING OVER THE FACE OF THE SLOPE, BUT A CAPPING STRIP OF HEAVY JUTE OR PLASTIC NETTING, PROPERLY SECURED, ALONG THE CROWN OF THE SLOPE AND EDGES WILL PROVIDE EXTRA PROTECTION AGAINST LIFTING AND UNDERCUTTING OF SOD. THE SAME TECHNIQUE CAN BE USED TO ANCHOR SOD IN WATER-CARRYING CHANNELS AND OTHER CRITICAL AREAS. WIRE STAPLES MUST BE USED TO ANCHOR NETTING IN CHANNEL WORK.
   F. IMMEDIATELY FOLLOWING INSTALLATION, SOD SHOULD BE WATERED UNTIL MOISTURE PENETRATES THE SOIL LAYER BENEATH SOD TO A DEPTH OF 4 INCHES. MAINTAIN OPTIMUM MOISTURE FOR AT LEAST TWO WEEKS.

IV. TOPDRESSING:

IF SLOW RELEASE NITROGEN (300 POUNDS 38-0-0 PER ACRE OR EQUIVALENT) IS USED IN ADDITION TO SUGGESTED FERTILIZER, THEN A FOLLOW-UP OF TOPDRESSING IS NOT MANDATORY.

   A. FALL INSTALLATION OF SOD WILL REQUIRE AN APPLICATION OF FERTILIZER SUCH AS 10-20-10 OR EQUIVALENT AT 400 POUNDS PER ACRE OR 10 POUNDS PER 1000 SQUARE FEET BETWEEN SEPTEMBER 1 AND OCTOBER 15.

THIS PLAN IS NOT FOR CONSTRUCTION PURPOSES.
THIS PLAN IS ISSUED FOR REGULATORY REVIEW PURPOSES ONLY.
THIS PLAN IS NOT VALID UNLESS A RAISED SEAL IS AFFIXED HERETO.

DUST CONTROL:

DUST CONTROL SHALL BE ACCOMPLISHED BY THE METHODS DESCRIBED BELOW.

MATERIAL	WATER DILUTION	TYPE OF NOZZLE	APPLY GALLONS/AC
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 POLYACRYLAMIDE (PAM) – DRY SPREAD	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, P. 26-1		
ACIDULATED 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 PLACED 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.

DEWATERING

DEWATERING OF THE BASIN SHALL BE ACCOMPLISHED BY THE FOLLOWING METHODS:

1. SUCTION FILTRATION
   A. A SUMP PIT SHALL BE INSTALLED WHERE INDICATED ON THE PLANS AND AS DETAILED.
   B. THE SUCTION LINE SHALL DISCHARGE INTO THE EMERGENCY OUTLET STRUCTURE.

ALL DEWATERING OPERATIONS SHALL BE IN ACCORDANCE WITH STANDARDS UNDER SECTION 14-1 FOR STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY.

STORMWATER FACILITIES MAINTENANCE SCHEDULE

THE SUBDIVISION WILL CONSIST OF EIGHTEEN (18) SINGLE FAMILY LOTS AND ONE (1) OPEN SPACE LOT FOR THE PLACEMENT OF AN INFILTRATION BASIN. ACCESS TO THE PROPOSED DEVELOPMENT WILL BE FROM CHELSEA AVENUE.

THE STORMWATER MANAGEMENT SYSTEM WITHIN THE SUBDIVISION WILL CONSIST OF UNDERGROUND STORM SEWER PIPE AND ONE (1) INFILTRATION BASIN. THE MAINTENANCE OF THE INFILTRATION BASIN SHALL BE THE RESPONSIBILITY OF EGG HARBOR TOWNSHIP. ALL STORM SEWER, INLETS, MANHOLES AND ENDWALLS SHALL BE OWNED AND MAINTAINED BY EGG HARBOR TOWNSHIP. THE MAINTENANCE AGREEMENT DOCUMENTS SHALL INCLUDE THE RULES AND REGULATIONS REGARDING THE STORMWATER MANAGEMENT MAINTENANCE. NAMES, ADDRESSES AND TELEPHONE NUMBERS ARE SUPPLIED FOR THOSE INDIVIDUALS RESPONSIBLE FOR THE INSPECTION AND MAINTENANCE OF THE STORMWATER MANAGEMENT FACILITIES.

COPIES OF THIS MAINTENANCE AGREEMENT SHALL BE PROVIDED TO THE OWNER AND OPERATOR OF THE STORMWATER MANAGEMENT FACILITIES. THE OWNER AND OPERATOR OF THE STORMWATER MANAGEMENT FACILITIES SHALL BE EGG HARBOR TOWNSHIP. ALL MUNICIPAL AND STATE REVIEWING AGENCIES AS WELL AS THE LOCAL MOSQUITO CONTROL COMMISSION SHALL RECEIVE COPIES OF THIS STORMWATER MANAGEMENT MAINTENANCE SCHEDULE.

THE TITLE AND DATE ON THE MAINTENANCE PLAN AND THE NAME, ADDRESS, AND TELEPHONE NUMBER OF THE PERSON WITH STORMWATER MANAGEMENT MEASURE MAINTENANCE RESPONSIBILITY AS SPECIFIED, WILL BE RECORDED ON THE DEED OF THE PROPERTY ON WHICH THE MEASURE IS LOCATED. ANY CHANGE IN THE INFORMATION DUE TO CHANGE IN PROPERTY OWNERSHIP WILL BE RECORDED ON THE DEED.

THE PERSON WITH MAINTENANCE RESPONSIBILITY WILL BE REQUIRED TO PERFORM THE FOLLOWING:

1. MAINTAIN RECORDS OF ALL MAINTENANCE RELATED WORK ORDERS.
2. EVALUATE THE EFFECTIVENESS OF THE MAINTENANCE PLAN AT LEAST ONCE A YEAR AND ADJUST THE PLAN AND DEED AS NECESSARY.
3. RETAIN AND MAKE AVAILABLE THE MAINTENANCE PLAN AND ASSOCIATED DOCUMENTATION TO ANY REQUESTING ADMINISTRATIVE HEALTH, ENVIRONMENTAL OR SAFETY AGENCY HAVING AUTHORITY OVER THE SITE.
4. SUBMIT ANNUAL COPIES OF THESE DOCUMENTS TO THE TOWNSHIP FOR THEIR RECORDS.

MAINTENANCE TRAINING WILL BE REQUIRED WITH A BASIC DESCRIPTION OF THE PURPOSE AND FUNCTION OF THE OVERALL STORMWATER MANAGEMENT MEASURES AND THEIR MAJOR COMPONENTS SUCH AS BUT NOT LIMITED TO SEDIMENTATION ACCUMULATION AROUND DRAINAGE STRUCTURES, PRUNING AND GENERAL CLEAN-UP PROCEDURES, MAINTENANCE OF LAWNS AND VEGETATION MANAGEMENT. MAINTENANCE PERSONNEL WILL ALSO RECEIVE TRAINING IN SPECIALIZED INSPECTION AND MAINTENANCE TASKS AND/OR THE OPERATION AND CARE OF SPECIALIZED MAINTENANCE EQUIPMENT. TRAINING WILL BE PROVIDED IN THE NEED FOR AND USE OF ALL REQUIRED SAFETY EQUIPMENT AND PROCEDURES. MAINTENANCE EQUIPMENT SHALL INCLUDE BUT NOT BE LIMITED TO LAWN MOWERS, SAWS, CHAINSAWS, WEED TRIMMERS AND AIR BLOWERS.

PRIOR TO THE TOWNSHIP TAKING RESPONSIBILITY FOR THE MAINTENANCE OF THE STORMWATER MANAGEMENT FACILITIES IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, DURING CONSTRUCTION, TO MAINTAIN THESE FACILITIES UNTIL FINAL ACCEPTANCE BY THE OWNER IS ASSUMED.

I. MAINTENANCE DURING CONSTRUCTION

1. THE CONTRACTOR SHALL STAGE HIS ACTIVITY DURING CONSTRUCTION TO LIMIT THE AMOUNT OF EXPOSED SOIL ON THE SITE IN AN EFFORT TO REDUCE EROSION AND SILT AND SEDIMENT ACCUMULATION. SOIL EROSION AND SEDIMENT CONTROL STRUCTURES SHALL BE PLACED AS INDICATED ON THE SOIL CONSERVATION PLAN. THESE STRUCTURES SHALL INCLUDE BUT NOT BE LIMITED TO STABILIZED CONSTRUCTION ENTRANCES, HAY BALES, SILT FENCES, INLET PROTECTION AND SWALE AND SLOPE PROTECTION BLANKETS.
2. THE CONTRACTOR SHALL GRADE ALL SWALES AS PER THE ENGINEERING DOCUMENTS TO ASSURE POSITIVE FLOW PATTERNS. ANY LOW POINTS WITHIN THE SWALES THAT CREATE STANDING WATER SHALL BE REGRADED SO THAT POSITIVE FLOW PATTERNS ARE ACHIEVED. THE ELIMINATION OF STANDING WATER WILL ELIMINATE POSSIBLE MOSQUITO BREEDING HABITATS.
3. FOLLOWING EACH SIGNIFICANT RAINFALL EVENT THE CONTRACTOR SHALL PERFORM THE FOLLOWING INSPECTION AND CLEAN-UP:
   A. ALL SWALES SHALL BE INSPECTED AND ALL ACCUMULATED SILT AND SEDIMENT SHALL BE REMOVED AND REDISTRIBUTED ON THE SITE.
   B. ALL EROSION ACTIVITIES THAT MIGHT HAVE OCCURRED WITHIN THE SWALES SHALL BE REGRADED, RETOPSOILED, RESEEDED AND REFERTILIZED.
   C. SWALE AND SLOPE BLANKETS, IF REQUIRED, THAT HAVE BEEN EXPOSED OR TORN AND DAMAGED SHALL BE REMOVED AND REPLACED WITH NEW MATERIAL.
   D. INLET PROTECTION SHALL BE INSPECTED AND IF DAMAGED SHALL BE REPLACED.
   E. ALL DEBRIS WITH-IN THE SWALE SUCH AS TREE LIMBS, EXCESSIVE LEAVES OR TRASH SHALL BE REMOVED AND DISPOSED OF LEGALLY. THESE MATERIALS SHALL NOT BE PLACED BACK ON THE SITE.
   F. ALL INLETS AND ENDWALLS SHALL BE INSPECTED AND ALL DEBRIS, SILT, SEDIMENT, TRASH, EXCESSIVE LEAVES AND TREE LIMBS SHALL BE REMOVED AND DISPOSED OF LEGALLY. THESE MATERIALS SHALL NOT BE PLACED BACK ON THE SITE.
   G. ALL SIGNS OF EROSION AROUND INLETS AND ENDWALLS SHALL BE REGRADED, RETOPSOILED, RESEEDED AND REFERTILIZED.
   H. SHOULD EXCESSIVE ACCUMULATION OF SEDIMENT BE PRESENT WITHIN THE INLETS AND STORM SEWER PIPE, REVERSE FLUSHING AND VACUUMING WILL BE REQUIRED.
   I. THE INFILTRATION BASIN SHALL BE INSPECTED FOR EROSION DAMAGE AND ACCUMULATED DEBRIS, TRASH, LEAVES AND TREE LIMBS. ERODED AREAS SHALL IMMEDIATELY BE REGRADED, RETOPSOILED, RESEEDED AND REFERTILIZED AND ALL DEBRIS, TRASH, LEAVES AND TREE LIMBS SHALL BE REMOVED. ALL DEBRIS, TRASH, LEAVES AND TREE LIMBS SHALL BE DISPOSED OF LEGALLY AND SHALL NOT BE PLACED BACK ON THE SITE OR BURIED ON SITE.
   J. UNDESIRABLE PLANT GROWTH SUCH AS WOODY VEGETATION AND WEEDS, ETC. SHALL BE REMOVED.
   K. DAMAGE FROM RODENTS AND LOSS OF BASIN FREEBOARD SHALL BE REPAIRED IMMEDIATELY.
   L. THE CONTRACTOR SHALL INSPECT THE SPILLWAY FOR DAMAGE AND REPAIR ANY DAMAGE.
   M. THE CONTRACTOR SHALL INSPECT THE SAND BOTTOM IN THE INFILTRATION BASIN. WASHED AWAY SAND SHALL BE REPLACED AS NEEDED. A 6 INCH SAND BOTTOM CONSISTING OF K5 MATERIAL, CERTIFIED BY A PROFESSIONAL ENGINEER LICENSED IN NEW JERSEY, MUST BE MAINTAINED IN THE BASIN AT ALL TIMES. ACCUMULATED DEBRIS, TRASH, LEAVES AND TREE LIMBS SHALL BE REMOVED FROM THE BASIN AS WELL AS ACCUMULATED SEDIMENT. ALL MATERIAL MUST BE DISPOSED OF LEGALLY AND SHALL NOT BE PLACED BACK ON THE SITE OR BURIED ON SITE. THE INFILTRATION BASIN MUST DRAIN WITHIN THE REQUIRED 72 HOUR PERIOD. AFTER RAINFALL EVENTS THE CONTRACTOR SHALL KEEP RECORDS TO ENSURE THAT THE BASIN DRAINS WITHIN 72 HOURS. SHOULD PERMEABILITY OF THE BASIN BECOME A PROBLEM, THE BASIN SHALL BE DRAINED USING A PUMPING SYSTEM. THE BASIN SHALL BE INSPECTED FOR DAMAGE TO THE SAND LAYER OR EXCESSIVE SILT AND SEDIMENT. SHOULD BASIN PERMEABILITY REMAIN A PROBLEM, A LICENSED PROFESSIONAL ENGINEER SHALL BE CONSULTED TO MAKE AN INSPECTION AND RENDER A SOLUTION. THE BASIN BOTTOM SHALL REMAIN AS LEVEL AS POSSIBLE TO ENSURE UNIFORM DISTRIBUTION OF RUNOFF. SOIL COMPACTION UNDER THE BASIN SHALL BE PROHIBITED. ALL EXCAVATION MUST BE PERFORMED BY EQUIPMENT PLACED OUTSIDE OF THE BASIN AREA. THE INFILTRATION BASIN SHALL NOT BE PUT INTO OPERATION UNTIL ALL UPLAND AREAS ARE STABILIZED. DURING CONSTRUCTION THE BASIN AREA CAN BE UTILIZED AS A SEDIMENT BASIN WHICH WILL BE CLEANED AND THE FINAL SAND BOTTOM PLACED.
   N. PRIOR TO BASIN CONSTRUCTION THE CONTRACTOR SHALL CORDON OFF THE AREA REQUIRED FOR THE INFILTRATION BASIN TO PREVENT CONSTRUCTION EQUIPMENT AND STOCK PILED MATERIALS FROM COMPACTING THE SUBGRADE SOILS. DURING CONSTRUCTION PRECAUTIONS SHALL BE TAKEN TO PREVENT THE SUBGRADE FROM BEING COMPACTED AND THE AREA CONTAMINATED WITH SEDIMENT. ALL EXCAVATION SHOULD BE PERFORMED WITH THE LIGHTEST PRACTICAL EXCAVATION EQUIPMENT. ALL EXCAVATION EQUIPMENT SHOULD BE PLACED OR STORED OUTSIDE OF THE LIMITS OF THE INFILTRATION BASIN. THE CONTRACTOR IS DIRECTED TO THE SOIL EROSION AND SEDIMENT CONTROL PLANS FOR ADDITIONAL REQUIREMENTS REGARDING THE BASIN CONSTRUCTION.
   O. THE BASIN SPILLWAY SHOULD ALSO BE CHECKED FOR DAMAGE OR SILT AND SEDIMENT BUILDUP. ACCUMULATED SILT AND SEDIMENT SHALL BE REMOVED AFTER EACH STORM EVENT IF NECESSARY.
4. AS A MINIMUM, IF NO SIGNIFICANT RAINFALL EVENT OCCURS, ALL STORMWATER MANAGEMENT SYSTEMS SHALL BE INSPECTED WEEKLY AND PROCEDURES SPECIFIED UNDER ITEM (I) (3) SHALL BE FOLLOWED SHOULD DEFICIENCIES BE DISCOVERED.
5. DURING CONSTRUCTION THE OWNER'S CONSULTING ENGINEER SHALL INSPECT THE STORMWATER MANAGEMENT SYSTEM ON A MONTHLY BASIS. A WRITTEN REPORT SHALL BE FILED WITH THE TOWNSHIP AND THE CONTRACTOR. REMEDIAL ACTION TO CORRECT ANY DAMAGES ON SITE SHALL BE PERFORMED IMMEDIATELY AND CONFORM TO ITEM (I) (3) OF THIS REPORT. THE WRITTEN ENGINEERS REPORT SHALL CONTAIN THE FOLLOWING:
   A. DATE AND TIME OF THE INSPECTION.
   B. DAMAGES AND DEFICIENCIES ENCOUNTERED.
   C. ACTION TO BE TAKEN TO CORRECT DAMAGES AND DEFICIENCIES.
   D. DATE AND TIME THAT THE DAMAGES AND DEFICIENCIES WERE CORRECTED.
   E. A COPY OF ANY WORK ORDER SHALL ALSO BE ATTACHED TO THE MAINTENANCE LOG.
6. EQUIPMENT REQUIRED FOR THE MAINTENANCE OF THE STORMWATER MANAGEMENT FACILITIES MAY INCLUDE BUT SHALL NOT BE LIMITED TO ONE OR ALL OF THE FOLLOWING:
   A. LAWN MOWER
   B. WEED TRIMMER
   C. WHEEL BARROW
   D. AIR BLOWER
   E. RAKES, SHOVELS, PRUNING TOOLS AND BROOMS
   F. SAWS AND CHAIN SAWS
   G. BACK HOE FOR SEDIMENT REMOVAL
   H. CHIPPERS AND MULCHERS
   I. TOPSOIL, SEED AND FERTILIZER

II. MAINTENANCE BY EGG HARBOR TOWNSHIP

1. AFTER EACH SIGNIFICANT RAINFALL EVENT OR ONCE EVERY MONTH THE TOWNSHIP SHALL BE RESPONSIBLE FOR THE INSPECTION OF THE RELATED STORMWATER MANAGEMENT SYSTEM AND TO REMEDIATE ANY DAMAGE OR DEFICIENCIES FOUND ON SITE. THE STORMWATER MANAGEMENT SYSTEM SHALL BE CHECKED FOR DEBRIS AND TRASH BUILD-UP, SEDIMENT ACCUMULATION, EROSION DAMAGE, STANDING WATER, RODENT OR ANIMAL DAMAGE AND UNWANTED VEGETATIVE GROWTH. THE ITEMS OF INSPECTION SHALL INCLUDE THE FOLLOWING:
   A. THE INFILTRATION BASIN SIDE SLOPES, BASIN BOTTOM AND SPILLWAY.
   B. STORMWATER MANAGEMENT CONVEYANCE SYSTEMS INCLUDING INLETS & PIPING IN TOWNSHIP ROADS AND PIPING & HEADWALLS ON SITE AND INTO BASIN.
   C. OPEN SPACE SWALES DIRECTING RUNOFF TOWARD THE INFILTRATION BASINS.
   D. OUTFALL STRUCTURE IN THE BASIN & OUTFALL PIPE CONNECTING TO INLET IN CHELSEA AVENUE.
   E. INFILTRATION INLETS (TYPE C) ON THE LAST STORMWATER STRUCTURE LOCATION PRIOR TO DISCHARGING INTO BASIN.
2. WRITTEN INSPECTION LOGS SHALL BE KEPT BY THE TOWNSHIP FOR EACH INSPECTION. THE INSPECTION LOGS SHALL CONTAIN THE FOLLOWING INFORMATION:
   A. DATE AND TIME OF THE INSPECTION
   B. DEFICIENCIES OR DAMAGES ENCOUNTERED
   C. ACTIONS TAKEN TO CORRECT DAMAGES OR DEFICIENCIES
   D. DATE AND TIME THAT THE DAMAGE OR DEFICIENCIES WERE CORRECTED
   E. COPIES OF WORK ORDERS SHALL BE ATTACHED TO THE INSPECTION LOGS
3. ACTIONS TO REMEDIATE DAMAGE OR DEFICIENCIES TO THE STORMWATER MANAGEMENT SYSTEM SHALL INCLUDE THE FOLLOWING:
   A. THE INLETS, PIPING, ENDWALL ENTRANCES TO THE BASINS, OUTFALL STRUCTURE, OUTFALL PIPE & DOWNSTREAM TOWNSHIP STREET INLET SHALL BE INSPECTED FOR DEBRIS, TRASH, LEAVES AND TREE LIMBS AND SHALL BE REMOVED AND DISPOSED OF LEGALLY. THESE ITEMS SHALL NOT BE PLACED BACK ON THE SITE OR BE BURIED ON THE SITE. SHOULD EXCESSIVE SILT, SEDIMENT, DEBRIS OR TRASH BE FOUND WITHIN INLETS AND THE STORM SEWER SYSTEM EGG HARBOR TOWNSHIP SHALL BE RESPONSIBLE FOR CLEANING & REPAIRING THE SYSTEM.
   B. ANY SIGN OF EROSION AROUND THE HEADWALL SHALL IMMEDIATELY BE REGRADED, RETOPSOILED, RESEEDED AND REFERTILIZED.
   C. THE INFILTRATION BASIN SHALL BE INSPECTED FOR EROSION DAMAGE AND FOR ACCUMULATED DEBRIS, TRASH AND SEDIMENT BUILD-UP. ALL DEBRIS, TRASH, TREE LIMBS AND LEAVES SHALL BE REMOVED FROM THE BASIN AND DISPOSED OF LEGALLY AND SHALL NOT BE PLACED BACK ON THE SITE OR BURIED ON THE SITE. ALL SEDIMENT ACCUMULATION SHALL BE REMOVED FROM THE BASIN. BACK HOES OR HEAVY EQUIPMENT SHALL NOT BE PERMITTED INTO THE INFILTRATION BASIN SO AS NOT TO DAMAGE THE SIX (6) INCH SAND LAYER OR TO CREATE COMPACTION OF THE SAND LAYER. SEDIMENT SHALL BE REMOVED BY HAND WITH THE AID OF WHEEL BARROWS AND SHOVELS. SEDIMENT SHALL BE DISPOSED OF LEGALLY AND SHALL NOT BE PLACED BACK ON THE SITE. SHOULD THE SAND BOTTOM OF THE INFILTRATION BASIN BECOME DAMAGED OR ERODED IT SHALL BE REPLACED WITH SAND OF A K5 MATERIAL CERTIFIED BY A PROFESSIONAL ENGINEER LICENSED IN NEW JERSEY. THE SAND BOTTOM OF THE BASIN SHALL AT ALL TIMES REMAIN AT A DEPTH OF SIX (6) INCHES. ALL GRASS CLIPPINGS FROM MOWING OPERATIONS SHALL BE BAGGED AND DISPOSED OF LEGALLY AND SHALL NOT BE PLACED BACK ON THE SITE. FREEBOARD IN THE BASIN MUST BE MAINTAINED AND THE SPILLWAY MUST BE KEPT FREE OF ALL DEBRIS AND TRASH. A GOOD GRASS COVER MUST BE MAINTAINED FOR THE SPILLWAY AND SIDE SLOPES. THE INFILTRATION BASIN SHALL BE MONITORED AFTER MAJOR RAIN EVENTS TO OBSERVE THE PERMEABILITY OF THE BASIN. SHOULD PERMEABILITY OF THE BASIN BECOME A PROBLEM, THE BASIN SHALL BE DRAINED USING A PUMPING SYSTEM. THE BASIN SHALL BE INSPECTED FOR DAMAGE TO THE SAND LAYER OR EXCESSIVE SILT AND SEDIMENT. SHOULD BASIN PERMEABILITY REMAIN A PROBLEM, A LICENSED PROFESSIONAL ENGINEER SHALL BE CONSULTED TO MAKE AN INSPECTION AND RENDER A SOLUTION. THE BASIN BOTTOM SHALL REMAIN AS LEVEL AS POSSIBLE TO ENSURE UNIFORM DISTRIBUTION OF RUNOFF.
   D. THE BASIN SPILLWAYS SHALL BE CHECKED FOR DAMAGE OR SILT AND SEDIMENT BUILDUP.
   E. ALL UNDESIRABLE PLANT GROWTH SUCH AS WOODY VEGETATION, WEEDS, ETC. SHALL BE REMOVED AND DISPOSED OF LEGALLY AND SHALL NOT BE PLACED BACK ON THE SITE OR BURIED ON THE SITE. ALL VEGETATION SHALL BE PRUNED AND TRIMMED TO HELP KEEP THE ACCESS TO THE BASIN FREE AND CLEAR.
   F. RODENT AND ANIMAL DAMAGE SHALL BE CORRECTED IMMEDIATELY.
   G. ALL LANDSCAPED PLANT MATERIAL SHALL BE PRUNED TO REMOVE DAMAGED, DISEASED OR DEAD VEGETATION AND LIMBS. ALL MATERIAL SHALL BE DISPOSED OF LEGALLY AND SHALL NOT BE PLACED BACK ON THE SITE OR BURIED ON SITE.
   H. THE TYPE C INLETS ON THE LAST STORMWATER LOCATION PRIOR TO DISCHARGING INTO BASIN SHALL BE CHECKED FOR SEDIMENT BUILD-UP AND SEDIMENT REMOVED WHEN IT EXCEEDS 4" DEPTH.
4. EQUIPMENT REQUIRED FOR THE MAINTENANCE OF THE STORMWATER MANAGEMENT FACILITIES MAY INCLUDE BUT SHALL NOT BE LIMITED TO ONE OR ALL OF THE FOLLOWING:
   A. LAWN MOWER
   B. WEED TRIMMER
   C. WHEEL BARROW
   D. AIR BLOWER
   E. RAKES, SHOVELS, PRUNING TOOLS AND BROOMS
   F. SAWS AND CHAIN SAWS
   G. BACK HOE FOR SEDIMENT REMOVAL
   H. CHIPPERS AND MULCHERS
   I. TOPSOIL, SEED AND FERTILIZER
   J. CAMERA OR VIDEO TO RECORD EVENTS
5. ALL MANUFACTURERS' REPAIR AND REPLACEMENT INSTRUCTIONS ALONG WITH MANUFACTURERS' PRODUCT INSTRUCTIONS AND USER MANUALS SHALL BE KEPT ON FILE. ORIGINAL COPIES OF THE MANUFACTURERS' WARRANTIES SHALL ALSO BE KEPT ON FILE.
6. PROCEDURES AND EQUIPMENT REQUIRED TO PROTECT THE SAFETY OF INSPECTION AND MAINTENANCE PERSONNEL SHALL BE BUT NOT LIMITED TO THE FOLLOWING:
   A. SAFETY EQUIPMENT SHALL BE WORN DURING ALL INSPECTION AND REPAIR OPERATIONS. EQUIPMENT SHALL BE, BUT NOT LIMITED TO, THE FOLLOWING:
      i. SAFETY HELMETS
      ii. SAFETY GLASSES
      iii. PROTECTIVE CLOTHING INCLUDING SHOES AND GLOVES
      iv. FIRST AID KIT
      v. CELL PHONE WITH EMERGENCY PHONE NUMBERS
   B. STANDARD PROCEDURE SHALL BE THAT A MINIMUM OF TWO (2) PERSONS SHALL PERFORM INSPECTIONS IN THE EVENT OF INJURY OR DISABILITY DURING THE INSPECTION AND REMEDIATION OPERATIONS.
7. THE INSPECTION AND MAINTENANCE PERSONNEL SHALL HAVE AT THEIR DISPOSAL THE RECYCLING SITES WITHIN EGG HARBOR TOWNSHIP WHICH SHALL INCLUDE ADDRESSES AND PHONE NUMBERS AND NAMES OF PERSONNEL IN CHARGE AT THE DISPOSAL OR RECYCLING SITES.
8. A SET OF APPROVED ENGINEERING PLANS SHALL BE KEPT ON FILE ALONG WITH APPROVED TEST BORING RESULTS AND ALL OTHER COPIES OF MUNICIPAL OR STATE APPROVALS GRANTED FOR THE SITE DEVELOPMENT.

ISSUE DATE	ISSUE NO.	SUBMISSION/REVISION	BY	APPR.
03/14/12	5	REVISED PER RESOLUTION 02-08, ISSUED TO TOWNSHIP FOR FINAL	LAT	JTS
03/25/09	4	REVISED PER TRC COMMENTS AND REVIEW LETTERS	LAT	JTS
06/16/08	3	REVISED PER PINELANDS REVIEW LETTER DATED 06/16/08	LAT	JTS
04/17/08	2	REVISED PER PINELANDS REVIEW LETTER DATED 04/10/08	LAT	JTS
02/18/08	1	INITIAL SUBMISSION	LAT	JTS

MAJOR SUBDIVISION
BLOCK 5302, LOTS 21 & 22
EGG HARBOR TOWNSHIP, ATLANTIC COUNTY, NEW JERSEY

SOIL CONSERVATION NARRATIVE SHEET

DROZDOV, SPORKIN & LISTER, LLC
c/o COOPER LEVENSON
1125 ATLANTIC AVENUE, SUITE 235, ATLANTIC CITY, NEW JERSEY 08401

JASON T. SCIULLO, P.E.
PROFESSIONAL ENGINEER
NEW JERSEY LICENSE NO. 24GE04506000

Marathon
Engineering & Environmental Services, Inc.
Atlantic City Office

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JOB NO.	SHEET	
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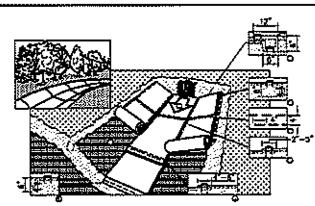
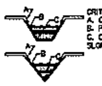


1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED. NOTE: WHEN USING CELL-O-SEED DO NOT SEED PREPARED AREA. CELL-O-SEED MUST BE INSTALLED WITH PAPER SIDE DOWN.
2. BEGIN AT THE TOP OF THE CHANNEL BY ANCHORING THE BLANKET IN A 6" DEEP X 6" WIDE TRENCH WITH APPROXIMATELY 12" OF BLANKET EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE BLANKET WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" PORTION OF BLANKET BACK OVER SEED AND COMPACTED SOIL. SECURE BLANKET OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" APART ACROSS THE WIDTH OF THE BLANKET.
3. ROLL CENTER BLANKET IN DIRECTION OF WATER FLOW IN BOTTOM OF CHANNEL. BLANKETS WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL BLANKETS MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE. WHEN USING OPTIONAL DOT SYSTEM, STAPLES/STAKES SHOULD BE PLACED THROUGH EACH OF THE COLORED DOTS CORRESPONDING TO THE APPROPRIATE STAPLE PATTERN.
4. PLACE CONSECUTIVE BLANKETS END OVER END (SHINGLE STYLE) WITH A 4"-6" OVERLAP. USE A DOUBLE ROW OF STAPLES STAGGERED 4" APART AND 4" ON CENTER TO SECURE BLANKETS.
5. FULL LENGTH EDGE OF BLANKETS AT TOP OF SIDE SLOPES MUST BE ANCHORED WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" APART IN A 6" DEEP X 6" WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.
6. ADJACENT BLANKETS MUST BE OVERLAPPED APPROXIMATELY 2"-5" (DEPENDING ON BLANKET TYPE) AND STAPLED. TO ENSURE PROPER SEAM ALIGNMENT, PLACE THE EDGE OF THE OVERLAPPING BLANKET (BLANKET BEING INSTALLED ON TOP) EVEN WITH THE COLORED SEAM STITCH ON THE BLANKET BEING OVERLAPPED.
7. IN HIGH FLOW CHANNEL APPLICATIONS, A STAPLE CHECK SLOT IS RECOMMENDED AT 30 TO 40 FOOT INTERVALS. USE A DOUBLE ROW OF STAPLES STAGGERED 4" APART AND 4" ON CENTER OVER ENTIRE WIDTH OF THE CHANNEL.
8. THE TERMINAL END OF THE BLANKETS MUST BE ANCHORED WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" APART IN A 6" DEEP X 6" WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.

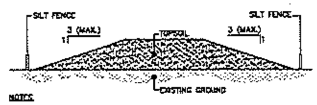


CRITICAL POINTS:
A. OVERLAPS AND SEAMS
B. PROJECTED WATER LINE
C. CHANNEL BOTTOM/SIDE SLOPE VERTICES

NOTE:
* HORIZONTAL STAPLE SPACING SHOULD BE ALTERED IF NECESSARY TO ALLOW STAPLES TO SECURE THE CRITICAL POINTS ALONG THE CHANNEL SURFACE.
** IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" MAY BE NECESSARY TO PROPERLY ANCHOR THE BLANKETS.

SWALE BLANKET INSTALLATION DETAIL

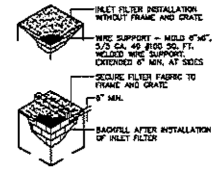
N.T.S.



NOTES:
1. TOPSOIL STOCKPILE SHALL BE SURROUNDED BY SILT FENCE.
2. STOCKPILE SHALL RECEIVE TEMPORARY VEGETATIVE STABILIZATION IN ACCORDANCE WITH THE STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY IMMEDIATELY AFTER COMPLETION OF STOCKPILE.
3. STOCKPILES ARE NOT TO BE LOCATED WITHIN FIFTY FEET OF A FLOODPLAIN, SLOPES, ROADWAY, OR DRAINAGE FACILITY.

TOPSOIL STOCKPILE DETAIL

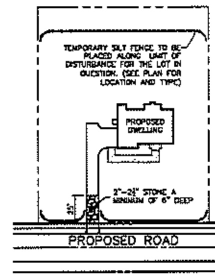
N.T.S.



NOTES:
1. CONTRACTOR IS TO CLEAN INLET FILTER AFTER EVERY STORM.
2. CONTRACTOR IS TO REMOVE FABRIC JUST PRIOR TO PAVING.

INLET PROTECTION DETAIL

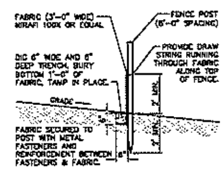
N.T.S.



NOTE:
DURING CONSTRUCTION AND OR LOT AREA DISTURBANCE THE RESPONSIBILITY FOR PLACEMENT AND MAINTENANCE OF SOIL EROSION CONTROL MEASURES ON ANY GIVEN LOT BELONGS TO THE PERSON(S) DOING THE DISTURBANCE OR CONSTRUCTION AND TO THE DEVELOPER.

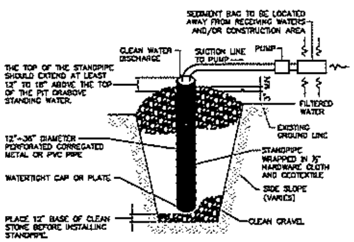
INDIVIDUAL LOT TREATMENT DETAIL

N.T.S.



STANDARD SILT FENCE DETAIL

N.T.S.

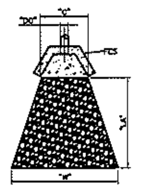


CONSTRUCTION SPECIFICATIONS

1. PIT DIMENSIONS ARE VARIABLE, WITH THE MINIMUM DIAMETER BEING 2 TIMES THE STANDPIPE DIAMETER.
2. THE STANDPIPE SHOULD BE CONSTRUCTED BY PERFORATING A 12" TO 24" DIAMETER CORRUGATED OR PVC PIPE. THEN WRAPPING WITH 1/2" HARDWARE CLOTH AND GEATEXTILE FABRIC. THE PERFORATIONS SHALL BE 1/2" x 6" SLITS OR 1" DIAMETER HOLES.
3. A BASE FILTER MATERIAL CONSISTING OF CLEAN GRAVEL OR ASTM C 33 STONE SHOULD BE PLACED IN THE PIT TO A DEPTH OF 12". AFTER INSTALLING THE STANDPIPE, THE PIT SURROUNDING THE STANDPIPE SHOULD THEN BE BACKFILLED WITH THE SAME FILTER MATERIAL.
4. THE STANDPIPE SHOULD EXTEND 12" TO 18" ABOVE THE LIP OF THE PIT OR THE RISER CREST ELEVATION (BASIN DEWATERING ONLY) AND THE FILTER MATERIAL SHOULD EXTEND 3" MINIMUM ABOVE THE ANTICIPATED STANDING WATER ELEVATION.
5. ▼ WATER SURFACE ELEVATION.

TEMPORARY SUMP PIT DURING CONSTRUCTION

N.T.S.



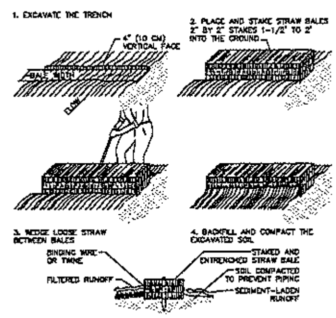
PLAN

SECTION

CONDUIT OUTLET PROTECTION TABLE						
HEADWALL	LA	W	C	Do	D50	E
FCS-1	21.38'	27.38'	6.00'	2.0'	2"	4"
FCS-2	20.88'	26.56'	6.00'	2.0'	2"	4"
FCS-3	8.61'	13.38'	3.75'	1.25'	2"	4"

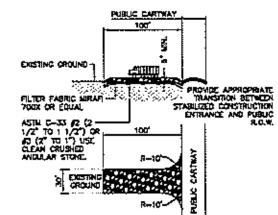
NOTES:
1. SLOPE OF RIP-RAP SHALL BE 0%
2. SIDE SLOPES SHALL BE 2:1 OR FLATTER.
3. THERE SHALL BE NO OVERFALL AT THE END OF THE APRON OR AT THE END OF THE CULVERT.
4. WHERE THERE IS A WELL DEFINED CHANNEL DOWNSTREAM OF THE APRON, THE BOTTOM WIDTH OF THE APRON SHALL BE AT LEAST EQUAL TO THE BOTTOM WIDTH OF THE CHANNEL. THE STRUCTURAL LINING SHALL EXTEND AT LEAST ONE FOOT ABOVE THE TAILWATER ELEVATION BUT NO LOWER THAN TWO-THIRDS OF THE VERTICAL CONDUIT DIMENSION ABOVE THE CONDUIT INVERT.
5. THERE SHALL BE NO BENDS OR CURVES AT THE INTERSECTION OF THE CONDUIT AND APRON.
6. FIFTY PERCENT, BY WEIGHT OF THE RIP-RAP MIXTURE SHALL BE SMALLER THAN MEDIAN STONE SIZE DESIGNATED AS D50 THE LARGEST STONE SIZE IN THE MIXTURE SHALL BE 1.5 TIMES THE D SIZE. THE RIP-RAP SHALL BE REASONABLY WELL GRADED.
7. FILTER FABRIC SHALL BE PROVIDED UNDER RIP-RAP LINING. FABRIC SHALL BE MIRAFI 700X OR APPROVED EQUAL.

CONDUIT OUTLET PROTECTION DETAIL



HAY BALE DAM DETAIL

N.T.S.



MAINTENANCE:
THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. 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 PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.

STABILIZED CONSTRUCTION ENTRANCE DETAIL

N.T.S.

EXISTING UTILITY INFORMATION SHOWN ON THESE PLANS IS FURNISHED BY THE UTILITY COMPANIES AND/OR THE SURVEYOR AND THE ACCURACY THEREOF IS NOT THE RESPONSIBILITY OF MARATHON ENGINEERING & ENVIRONMENTAL SERVICES, INC. IT IS THE RESPONSIBILITY OF THE OWNERS AND/OR CONTRACTOR TO CALL 1-800-272-1000 FOR FIELD LOCATION OF UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION.

THIS PLAN IS NOT FOR CONSTRUCTION PURPOSES.
THIS PLAN IS ISSUED FOR REGULATORY REVIEW PURPOSES ONLY.
THIS PLAN IS NOT VALID UNLESS A RAISED SEAL IS AFFIXED HERETO.

ISSUE DATE	ISSUE NO.	SUBMISSION/REVISION	BY	APPR.
03/25/09	4	REVISED PER TRC COMMENTS AND REVIEW LETTERS	LAT	JTS
08/18/08	3	REVISED PER PINELANDS REVIEW LETTER DATED 08/10/08	LAT	JTS
04/17/08	2	REVISED PER PINELANDS REVIEW LETTER DATED 04/10/08	LAT	JTS
02/18/08	1	INITIAL SUBMISSION	LAT	JTS

MAJOR SUBDIVISION

BLOCK 3202, LOTS 21 & 22
EGG HARBOR TOWNSHIP, ATLANTIC COUNTY, NEW JERSEY

SOIL CONSERVATION DETAILS

BUTCH DROZDOV
4222 HIGHLAND DRIVE
MAYS LANDING, NEW JERSEY

JASON T. SCIULLO, P.E.
PROFESSIONAL ENGINEER
NEW JERSEY LICENSE NO. 24GE04366000

Marathon
Engineering & Environmental Services, Inc.
Absecon Office
173 White Horse Pike, Suite D, Absecon, N.J. 08201
ph (609) 677-3412 fax (609) 677-6903
Certificate of Authorization #24GA27995700

AS SHOWN	JTS
LAT	15 OF 15
4	01302

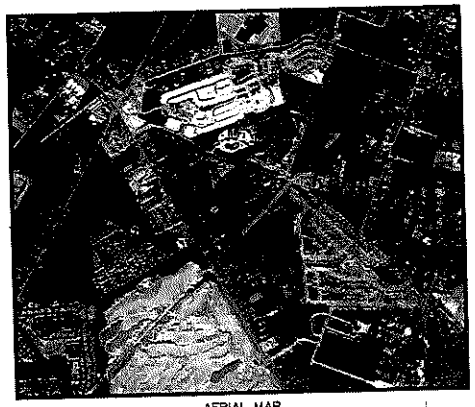
080001.01

MAJOR SUBDIVISION

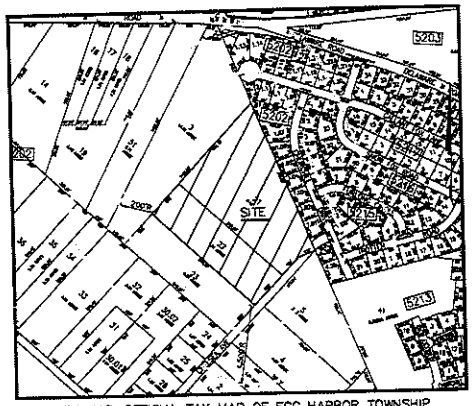
BLOCK 5202 LOTS 21 & 22

EGG HARBOR TOWNSHIP, ATLANTIC COUNTY, NEW JERSEY

FINAL MAJOR SUBDIVISION PLANS



AERIAL MAP
SCALE: 1" = 1000'



KEY MAP--OFFICIAL TAX MAP OF EGG HARBOR TOWNSHIP
SCALE: 1" = 300'
NOTE: SURROUNDING USES AND STRUCTURES WITHIN 200 FEET ARE RESIDENTIAL.

SITE PHOTO
FROM CHELSEA AVENUE LOOKING NORTHWEST

APPLICANT:

DROZDOV, SPORKIN AND LISTER, LLC C/O COOPER LEVENSON

1125 ATLANTIC AVENUE
ATLANTIC CITY, NJ 08401

Marathon

ENGINEERING & ENVIRONMENTAL SERVICES, INC.

553 BECKETT ROAD, SUITE 608, SWEDESBORO, N.J. 08085

2922 ATLANTIC AVENUE, SUITE 3A, ATLANTIC CITY, N.J. 08401

EXISTING UTILITY INFORMATION SHOWN ON THESE PLANS IS FURNISHED BY THE UTILITY COMPANIES AND/OR THE SURVEYOR AND THE ACCURACY THEREOF IS NOT THE RESPONSIBILITY OF MARATHON ENGINEERING & ENVIRONMENTAL SERVICES, INC. IT IS THE RESPONSIBILITY OF THE OWNERS AND/OR CONTRACTOR TO CALL 1-800-272-1000 FOR FIELD LOCATION OF UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION.

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THIS PLAN IS ISSUED FOR REGULATORY REVIEW PURPOSES ONLY.
THIS PLAN IS NOT VALID UNLESS A RAISED SEAL IS AFFIXED HERETO.

OWNER/APPLICANT
DROZDOV, SPORKIN AND LISTER, LLC
C/O COOPER LEVENSON
1125 ATLANTIC AVENUE
ATLANTIC CITY, NJ 08401
609-326-3161

APPLICANT INTENT

THE APPLICANT IS SEEKING FINAL APPROVAL FOR CONSTRUCTION OF A RESIDENTIAL SUBDIVISION CONTAINING EIGHTEEN DWELLINGS WITH A STORMWATER MANAGEMENT BASIN LOT, CREATION OF A CUL-DE-SAC STREET AND STUB STREET FOR FUTURE CONNECTION, AND IMPROVEMENT OF CHELSEA AVENUE EXTENDING TO OCEAN HEIGHTS AVENUE. THE PROJECT WILL BE DEVELOPED UNDER THE REQUIREMENTS SET FORTH BY THE TOWNSHIP OF EGG HARBOR PLANNING BOARD FOR SUBDIVISION APPROVAL, THE ATLANTIC COUNTY DEPARTMENT OF REGIONAL PLANNING AND DEVELOPMENT, AND THE NEW JERSEY PINELANDS COMMISSION UNDER THE COMPREHENSIVE MANAGEMENT PLAN. THIS PLAN RECEIVED CONDITIONAL PRELIMINARY APPROVAL FROM THE EGG HARBOR TOWNSHIP PLANNING BOARD ON APRIL 20, 2006 (DART 02-09).

ATLANTIC COUNTY APPROVALS

OFFICE OF POLICY, PLANNING & ECONOMIC DEVELOPMENT			
☐ 1st submission review ☐ 2nd review letter			
DATE RECEIVED	DECISION ☐ APPROVED ☐ APPROVED WITH CONDITIONS ☐ DENIED ☐ OTHER		FILE NO.
DIRECTOR'S SIGNATURE	DECISION ☐ APPROVED ☐ APPROVED WITH CONDITIONS ☐ DENIED ☐ OTHER	DATE OF ACTION	SIGNATURE

I HEREBY CERTIFY THAT THIS SUBDIVISION HAS BEEN APPROVED BY RESOLUTION _____ OF THE EGG HARBOR TOWNSHIP PLANNING BOARD.

CHAIRPERSON _____ DATE _____

SECRETARY _____ DATE _____

TOWNSHIP ENGINEER _____ DATE _____

MUNICIPAL CLERK _____ DATE _____

MAR 20 2012
SDP 08-09

SHEET INDEX

SHEET NO.	DWG. NO.	SHEET TITLE
1 OF 15	C0001	COVER SHEET
2 OF 15	C0002	INFORMATION SHEET
3 OF 15	C0101	PRELIMINARY SUBDIVISION PLAN
4 OF 15	C0301	GRADING PLAN
5 OF 15	C0401	UTILITY PLAN
6 OF 15	C0501	LANDSCAPING & LIGHTING PLAN
7 OF 15	C0502	LANDSCAPING DETAIL SHEET
8 OF 15	C0601	ROAD PROFILES
9 OF 15	C0602	UTILITY PROFILES AND INTERSECTION DETAILS
10 OF 15	C1101	SITE DETAIL SHEET
11 OF 15	C1102	STORMWATER DETAIL SHEET
12 OF 15	C1103	SANITARY SEWER & WATER DETAIL SHEET
13 OF 15	C1201	SOIL EROSION & SEDIMENT CONTROL PLAN
14 OF 15	C1301	SOIL EROSION & SEDIMENT CONTROL NARRATIVE
15 OF 15	C1302	SOIL EROSION & SEDIMENT CONTROL DETAILS

ISSUE DATE	ISSUE NO.	SUBMISSION/REVISION	BY	APPR.
03/14/13	5	REVISED PER RESOLUTION 02-09, ISSUED TO TOWNSHIP FOR FINAL	LAT	JTS
03/20/09	4	REVISED PER TRC COMMENTS AND REVIEW LETTERS	LAT	JTS
06/18/08	3	REVISED PER PINELANDS REVIEW LETTER DATED 06/16/08	LAT	JTS
04/17/08	2	REVISED PER PINELANDS REVIEW LETTER DATED 04/10/08	LAT	JTS
02/18/08	1	INITIAL SUBMISSION	LAT	JTS

MAJOR SUBDIVISION
BLOCK 5202, LOTS 21 & 22
EGG HARBOR TOWNSHIP, ATLANTIC COUNTY, NEW JERSEY

COVER SHEET

DROZDOV, SPORKIN & LISTER, LLC
c/o COOPER LEVENSON
1125 ATLANTIC AVENUE, SUITE 325, ATLANTIC CITY, NEW JERSEY 08401

JASON T. SCIULLO, P.E.
PROFESSIONAL ENGINEER
NEW JERSEY LICENSE NO. 24GE04586300

Marathon
Engineering & Environmental Services, Inc.
Atlantic City Office
2922, Suite 3A, Atlantic City, NJ 08401
ph (609) 677-2100 fax (609) 677-2181
Certificate of Authorization #24GA27997700

SCALE	APPROVED
AS SHOWN	DFW
DATE	
R.L.E.	1 OF 15
DRAWN BY	DRAWING NO.
S.	C0001