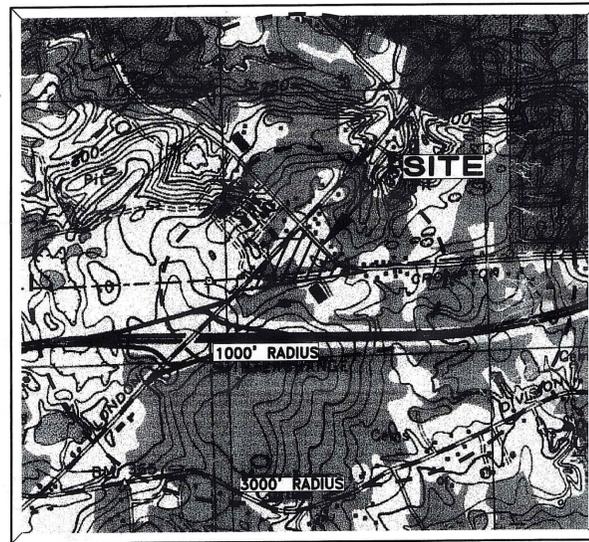


PRELIMINARY SITE PLAN FOR "COVENTRY CROSSING"

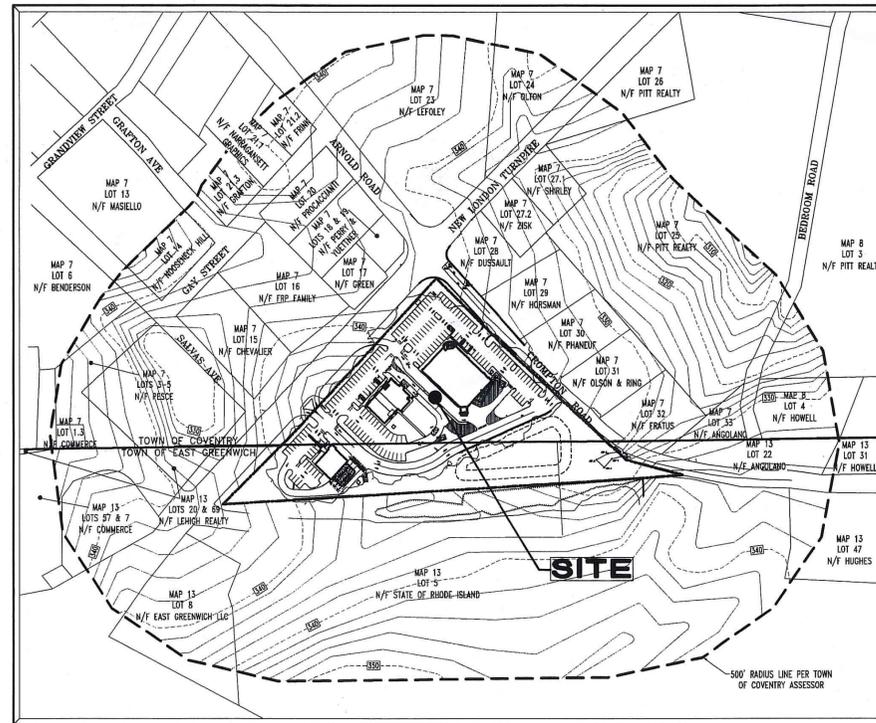
COVENTRY ASSESSORS MAP 7, LOT 34 &
EAST GREENWICH ASSESSORS MAP 13-A, LOT 6
NEW LONDON TURNPIKE @ CROMPTON ROAD
TOWNS OF COVENTRY & EAST GREENWICH
KENT COUNTY, RHODE ISLAND

Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED JUL 25 2007 FILE # 07-0257
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE.
W. Boehler



USGS MAP
SCALE: 1" = 1000'±



VICINITY MAP

SCALE: 1" = 200'
(EXISTING CONTOURS TAKEN AND INTERPOLATED FROM USGS MAP)



ORTHO MAP

SCALE: 1" = 1000'

DRAWING INDEX	
COVER SHEET	1 OF 13
NOTES	2 OF 13
DEMOLITION, EROSION & SEDIMENT CONTROL PLAN	3 OF 13
SITE PLAN	4 OF 13
GRADING PLAN	5 OF 13
DRAINAGE PLAN	6 OF 13
UTILITY PLAN	7 OF 13
LANDSCAPE PLAN	8 OF 13
LIGHTING PLAN	9 OF 13
CONSTRUCTION DETAILS	10 OF 13
CONSTRUCTION DETAILS	11 OF 13
CONSTRUCTION DETAILS	12 OF 13
CONSTRUCTION DETAILS	13 OF 13
BOUNDARY SURVEY (BY OTHERS)	1 OF 1
EXISTING CONDITIONS PLAN (BY OTHERS)	1 OF 2
EXISTING CONDITIONS PLAN (BY OTHERS)	2 OF 2
PHARMACY EXTERIOR ELEVATIONS (BY OTHERS)	A-4.1
RETAIL & RESTAURANT EXTERIOR ELEVATIONS (BY OTHERS)	A3.0
BANK EXTERIOR ELEVATIONS (BY OTHERS)	A-301 & A-302

PREPARED BY
BOHLER ENGINEERING, P.C.

352 TURNPIKE ROAD
SOUTHBOROUGH, MASSACHUSETTS 01772
PH.: (508) 480-9900 FAX: (508) 480-9080

NOTE:

THE PROPOSED PLANS CONFORMS TO APPLICABLE STANDARDS OF THE STATE OF RHODE ISLAND BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS AND BOARD OF REGISTRATION OF PROFESSIONAL SURVEYORS. THIS PLAN IS INTENDED FOR THE PURPOSES OF ACCOMPANYING A PRELIMINARY PLAN APPLICATION ONLY.

PREPARED FOR:
APPLICANT: HECHT DEVELOPMENT
COMMERCIAL REAL ESTATE
30 MONUMENT SQUARE
SUITE 101
CONCORD, MA 01742

OWNER: EAGLE AMERICAN INVESTORS, L.L.C.
54 OLD NORTH ROAD
COVENTRY RI, 02816
RICK SANETTI
PHONE: (401)-823-5565



 BOHLER ENGINEERING, P.C. CIVIL & CONSULTING ENGINEERS ■ PROJECT MANAGERS ■ ENVIRONMENTAL & SITE PLANNERS ■ MUNICIPAL ENGINEERS Other Office Locations: ■ Chalfont, PA ■ Melville, NY ■ Sterling, VA ■ Warren, NJ ■ Towson, MD ■ Albany, NY		352 Turnpike Road Southborough, MA 01772 508.480.9900 fax: 508.480.9080 www.bohlereng.com
PROJECT: HECHT DEVELOPMENT PROPOSED DEVELOPMENT "COVENTRY CROSSING" NEW LONDON TURNPIKE @ CROMPTON ROAD TOWNS OF COVENTRY & EAST GREENWICH, KENT COUNTY, RHODE ISLAND		TITLE: COVER SHEET
W.D. GOEBEL PROFESSIONAL ENGINEER MASSACHUSETTS LICENSE No. 42644 RHODE ISLAND LICENSE No. 7268 CONNECTICUT LICENSE No. 21854 MAINE LICENSE No. 9490	M. SMITH REGISTERED PROFESSIONAL ENGINEER MASSACHUSETTS LICENSE No. 45648 RHODE ISLAND LICENSE No. 8143 CONNECTICUT LICENSE No. 24567	SCALE: (H) AS SHOWN (V) NONE DATE: 04/02/07 SHEET No: 1 OF 13 REV. No: 1 DRAWN BY: JAY CHECKED BY: JWR/MDS PROJECT No: WO41025 CAD I.D. #: WO41025ss1
1 04/17/07 RBS PER WEST WARWICK SEWER COMMISSION COMMENTS BY DATE COMMENT		CONSTRUCTION CHECK DATE

DEMOLITION NOTES:

- 1) THIS PLAN REFERENCES DOCUMENTS AND INFORMATION BY: VANASSE HANGEN BRUSTLIN, INC. 530 BROADWAY STREET PROVIDENCE, RI 02909 DATED 10-13-06 REV. 11-27-06
- 2) BOHLER ENGINEERING, P.C. IS NOT RESPONSIBLE FOR JOB SAFETY OR SUPERVISION.
- 3) ALL DEMOLITION ACTIVITIES ARE TO BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AS WELL AS FEDERAL, STATE AND LOCAL REGULATIONS. ANY DISCREPANCIES OR DEVIATIONS SHALL BE IDENTIFIED BY THE CONTRACTOR TO BOHLER ENGINEERING, P.C. IN WRITING FOR RESOLUTION PRIOR TO INITIATION OF SITE ACTIVITY.
- 4) PRIOR TO STARTING ANY DEMOLITION CONTRACTOR IS RESPONSIBLE FOR/TO: A) ENSURING COPIES OF ALL PERMITS AND APPROVALS MUST BE MAINTAINED ON SITE AND AVAILABLE FOR REVIEW. B) INSTALLING THE REQUIRED SOIL EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO SITE DISTURBANCE. C) ALL UTILITIES AND SERVICES, INCLUDING BUT NOT LIMITED TO GAS, WATER, ELECTRIC, SANITARY AND STORM SEWER, TELEPHONE, CABLE, FIBER OPTIC CABLE, ETC. WITHIN THE LIMITS OF DISTURBANCE, THE CONTRACTOR SHALL USE AND COMPLY WITH THE REQUIREMENTS OF THE APPLICABLE UTILITY NOTIFICATION SYSTEM TO LOCATE ALL THE UNDERGROUND UTILITIES. D) PROTECTING AND MAINTAINING IN OPERATION, ALL ACTIVE SYSTEMS THAT ARE NOT BEING REMOVED DURING ALL DEMOLITION ACTIVITIES. E) FAMILIARIZING THEMSELVES WITH THE APPLICABLE UTILITY SERVICE PROVIDER AND IS RESPONSIBLE FOR ALL COORDINATION REGARDING UTILITY DEMOLITION REQUIRED FOR THE PROJECT. THE CONTRACTOR SHALL PROVIDE THE OWNER WRITTEN NOTIFICATION THAT THE EXISTING UTILITIES AND SERVICES HAVE BEEN TERMINATED AND ABANDONED IN ACCORDANCE WITH JURISDICTION AND UTILITY COMPANY REQUIREMENTS. F) COORDINATION WITH UTILITY COMPANIES REGARDING WORKING "OFF-PEAK" HOURS OR ON WEEKENDS AS MAY BE REQUIRED TO MINIMIZE THE IMPACT ON THE AFFECTED PARTIES. G) A COMPLETE INSPECTION OF CONTAMINANTS BY A LICENSED ENVIRONMENTAL TESTING AGENCY, OF ALL BUILDINGS AND/OR STRUCTURES TO BE REMOVED, SAME SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL ENVIRONMENTAL REGULATIONS. ANY/ALL CONTAMINANTS SHALL BE REMOVED AND DISPOSED OF BY A LICENSED CONTRACTOR IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS. ALL ENVIRONMENTAL WORK INCLUDING HAZARDOUS MATERIALS, SOILS, ASBESTOS, OR OTHER REFERENCED OR IMPLIED MATERIAL HEREIN IS THE SOLE RESPONSIBILITY OF THE OWNER'S ENVIRONMENTAL CONSULTANT.
- 5) THE FIRM OR ENGINEER OF RECORD IS NOT RESPONSIBLE FOR JOB SITE SAFETY OR SUPERVISION. CONTRACTOR IS TO PROCEED WITH THE DEMOLITION IN A SYSTEMATIC AND SAFE MANNER, FOLLOWING ALL THE OSHA REQUIREMENTS, TO ENSURE PUBLIC AND CONTRACTOR SAFETY.
- 6) THE CONTRACTOR SHALL PROVIDE ALL THE "MEANS AND METHODS" NECESSARY TO PREVENT MOVEMENT, SETTLEMENT, OR COLLAPSE OF EXISTING STRUCTURES, AND ANY OTHER IMPROVEMENTS THAT ARE REMAINING ON OR OFF SITE. THE DEMOLITION CONTRACTOR IS RESPONSIBLE FOR ALL REPAIRS AND DAMAGE TO ALL ITEMS THAT ARE TO REMAIN AS A RESULT OF HIS ACTIVITIES. ALL REPAIRS SHALL USE NEW MATERIAL. THE REPAIRS SHALL RESTORE THE ITEM TO THE PRE-DEMOLITION CONDITION.
- 7) IN THE ABSENCE OF SPECIFICATIONS, THE CONTRACTOR SHALL PERFORM EARTH MOVEMENT ACTIVITIES, DEMOLITION AND REMOVAL OF ALL FOUNDATION WALLS, FOOTINGS, AND OTHER MATERIALS WITHIN THE LIMITS OF DISTURBANCE IN ACCORDANCE WITH DIRECTION BY OWNER'S STRUCTURAL OR GEOTECHNICAL ENGINEER.
- 8) EMPLOYEES SHALL NOT BE USED WITHOUT WRITTEN CONSENT OF BOTH THE OWNER AND APPLICABLE GOVERNMENTAL AUTHORITIES. ALL THE REQUIRED PERMITS AND EXPLOSIVE CONTROL MEASURES THAT ARE REQUIRED BY THE FEDERAL, STATE, AND LOCAL GOVERNMENTS SHALL BE IN PLACE PRIOR TO STARTING AN EXPLOSIVE PROGRAM. THE CONTRACTOR IS ALSO RESPONSIBLE FOR ALL INSPECTION AND SEISMIC VIBRATION TESTING THAT IS REQUIRED TO MONITOR THE EFFECTS ON ALL LOCAL STRUCTURES.
- 9) CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL AND GENERALLY ACCEPTED SAFE PRACTICES IN CONFORMANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL", AS WELL AS FEDERAL, STATE, AND LOCAL REGULATIONS WHEN DEMOLITION RELATED ACTIVITIES IMPACT ROADWAYS OR ROADWAY RIGHTS-OF-WAY.
- 10) CONDUCT DEMOLITION ACTIVITIES IN SUCH A MANNER TO ENSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, SIDEWALKS, WALKWAYS, AND OTHER ADJACENT FACILITIES. STREET CLOSURE PERMITS MUST BE RECEIVED FROM THE APPROPRIATE GOVERNMENTAL AUTHORITY.
- 11) DEMOLITION ACTIVITIES AND EQUIPMENT SHALL NOT USE AREAS OUTSIDE THE DEFINED PROPERTY LINE WITHOUT WRITTEN PERMISSION OF THE OWNER, AND/OR APPROPRIATE GOVERNMENT AGENCY.
- 12) USE DUST CONTROL MEASURES TO LIMIT AIRBORNE DUST AND DIRT RISING AND SCATTERING IN THE AIR IN ACCORDANCE WITH FEDERAL, STATE, AND/OR LOCAL STANDARDS. AFTER THE DEMOLITION IS COMPLETE, ADJACENT STRUCTURES AND IMPROVEMENTS SHALL BE CLEANED OF ALL DUST AND DEBRIS CAUSED BY THE DEMOLITION OPERATIONS. THE CONTRACTOR IS RESPONSIBLE FOR RETURNING ALL ADJACENT AREAS TO THEIR "PRE-DEMOLITION" CONDITION.
- 13) CONTRACTOR IS RESPONSIBLE TO SAFEGUARD SITE AS NECESSARY TO PERFORM THE DEMOLITION IN SUCH A MANNER AS TO PREVENT THE ENTRY OF UNAUTHORIZED PERSONS AT ANY TIME.
- 14) THIS DEMOLITION PLAN IS INTENDED TO IDENTIFY THOSE EXISTING ITEMS/CONDITIONS WHICH ARE TO BE REMOVED. IT IS NOT INTENDED TO PROVIDE DIRECTION OTHER THAN THAT ALL METHODS AND MEANS ARE TO BE IN ACCORDANCE WITH STATE, FEDERAL, LOCAL, AND JURISDICTIONAL REQUIREMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL OSHA AND OTHER SAFETY PRECAUTIONS NECESSARY TO PROVIDE A SAFE WORK SITE.
- 15) DEBRIS SHALL NOT BE BURIED ON THE SUBJECT SITE. ALL DEMOLITION WASTES AND DEBRIS (SOLID WASTE) SHALL BE DISPOSED OF IN ACCORDANCE WITH ALL TOWN, COUNTY, STATE, AND FEDERAL LAWS AND APPLICABLE CODES.

SITE PLAN GENERAL NOTES:

- 1) THIS PLAN REFERENCES A SURVEY BY: VANASSE HANGEN BRUSTLIN, INC. 530 BROADWAY STREET PROVIDENCE, RI 02909 DATED 10-13-2006 REV. 11-27-06
- 2) SPECIFIC RESOURCES, TECHNICAL REPORTS, DESIGN DOCUMENTS, ET. AL. RELATED TO THIS PROJECT INCLUDE (BUT MAY NOT BE LIMITED TO) THE FOLLOWING: -SURVEY: VANASSE HANGEN BRUSTLIN, INC. 530 BROADWAY STREET PROVIDENCE, RI 02909 DATED 10-13-2006 REV. 11-27-06
- 3) ALL ELEVATIONS SHOWN ARE IN REFERENCE TO THE REFERENCED SURVEYOR'S BENCHMARK AND MUST BE VERIFIED BY THE GENERAL CONTRACTOR PRIOR TO GROUND-BREAK.
- 4) APPLICANT: HECHT DEVELOPMENT COMMERCIAL REAL ESTATE 30 MONUMENT SQUARE SUITE 101 CONCORD, MA 01742 PH: 1.978.369.5011
- 5) PARCEL DATA: LOT IS SHOWN AS MAP 007, LOT 034, ON THE TOWN OF COVENTRY ASSESSOR'S MAPS. LOT IS SHOWN AS MAP 13-A, LOT 006, ON THE TOWN OF EAST GREENWICH ASSESSOR'S MAPS.
- 6) BULK REQUIREMENTS: SEE SITE PLAN
- 7) PARKING REQUIREMENTS: SEE SITE PLAN
- 8) ALL HANDICAP PARKING SPACES SHALL BE CONSTRUCTED TO MEET ADA REQUIREMENTS.
- 9) PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED. NO CONSTRUCTION OR FABRICATION SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED AND THOROUGHLY REVIEWED ALL PLANS AND OTHER DOCUMENTS BY ALL OF THE PERMITTING AUTHORITIES.
- 10) THE OWNER/CONTRACTOR SHALL BE FAMILIAR WITH AND RESPONSIBLE FOR ANY/ALL CERTIFICATIONS, INSPECTIONS, ETC. REQUIRED BY GOVERNING JURISDICTIONAL AGENCIES DURING AND AFTER CONSTRUCTION FOR SIGN-OFF AND CERTIFICATE OF OCCUPANCY ISSUANCE, INCLUDING BUT NOT LIMITED TO PROCUREMENT OF SERVICES, SCHEDULING OF FIELD OBSERVATIONS AND COORDINATION WITH REPRESENTATIVES OF THE APPROPRIATE PARTIES.
- 11) ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE REQUIREMENTS AND STANDARDS OF THE LOCAL GOVERNING AUTHORITY.
- 12) THE GEOTECHNICAL REPORT AND RECOMMENDATIONS SET FORTH THEREIN ARE A PART OF THE REQUIRED CONSTRUCTION DOCUMENTS AND IN CASE OF CONFLICT SHALL TAKE PRECEDENCE UNLESS SPECIFICALLY NOTED OTHERWISE ON THE PLANS. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING OF ANY SUCH DISCREPANCY BETWEEN GEOTECHNICAL REPORT AND PLANS, ETC.
- 13) THE PROPERTY SURVEY SHALL BE CONSIDERED A PART OF THESE PLANS.
- 14) THESE PLANS ARE BASED ON INFORMATION PROVIDED TO BOHLER ENGINEERING, P.C. AT THE TIME OF PLAN PREPARATION. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND NOTIFY BOHLER ENGINEERING OF ANY ACTUAL SITE CONDITIONS DIFFERS FROM THOSE SHOWN ON THE PLAN, OR IF THE PROPOSED WORK WOULD BE INHIBITED BY ANY OTHER SITE FEATURES.
- 15) ALL DIMENSIONS SHOWN ON THE PLANS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY ENGINEER IN WRITING IF ANY DISCREPANCIES EXIST PRIOR TO PROCEEDING WITH CONSTRUCTION. NO EXTRA COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR WORK HAVING TO BE REDONE DUE TO DIMENSIONS OR GRADES SHOWN INCORRECTLY ON THESE PLANS IF SUCH NOTIFICATION HAS NOT BEEN GIVEN.
- 16) CONTRACTOR SHALL REFER TO THE ARCHITECTURAL/BUILDING PLANS FOR EXACT LOCATIONS AND DIMENSIONS OF WALL/EXIT POINTS, ELEVATIONS, PRECISE BUILDING DIMENSIONS, AND EXACT BUILDING UTILITY LOCATIONS.
- 17) DEBRIS SHALL NOT BE BURIED ON THE SUBJECT SITE AND ALL UNSUITABLE EXCAVATED MATERIAL AND DEBRIS (SOLID WASTE) SHALL BE DISPOSED OF IN ACCORDANCE WITH ALL TOWN, COUNTY, STATE, AND FEDERAL LAWS AND APPLICABLE CODES.
- 18) CONTRACTOR IS RESPONSIBLE FOR ALL SHORING REQUIRED DURING EXCAVATION (TO BE PERFORMED IN ACCORDANCE WITH CURRENT OSHA STANDARDS) AND ANY ADDITIONAL PROVISIONS TO ASSURE STABILITY OF CONTIGUOUS STRUCTURES, AS FIELD CONDITIONS DICTATE.
- 19) CONTRACTOR IS TO EXERCISE EXTREME CARE WHEN PERFORMING ANY WORK ACTIVITIES ADJACENT TO PAVEMENT, STRUCTURES, ETC. TO REMAIN. CONTRACTOR SHALL BE RESPONSIBLE FOR TAKING THE APPROPRIATE MEASURES AS NECESSARY TO ENSURE THE STRUCTURAL STABILITY OF SIDEWALKS AND PAVEMENT TO REMAIN, AND TO PROVIDE A SAFE WORK AREA.
- 20) CONTRACTOR IS RESPONSIBLE FOR REPAIRING THE DAMAGE DONE TO ANY EXISTING ITEM DURING CONSTRUCTION SUCH AS BUT NOT LIMITED TO DRAINAGE, UTILITIES, PAVEMENT, STRIPING, CURB, ETC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR AND REPLACE ALL SIGNAL INTERSECTION CABLE, CONDUITS, AND ANY UNDERGROUND ACCESSORY EQUIPMENT DAMAGED DURING CONSTRUCTION. REPAIR SHALL BE EQUAL TO OR BETTER THAN EXISTING CONDITIONS. CONTRACTOR IS RESPONSIBLE TO DOCUMENT ALL EXISTING AND DAMAGED UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL REPAIR ALL EXISTING UTILITIES UNLESS OTHERWISE NOTED ON THE PLANS, DETAILS AND/OR GEOTECHNICAL REPORT.
- 21) ALL CONCRETE SHALL HAVE THE MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS AS INDICATED IN SPECIFICATIONS UNLESS OTHERWISE NOTED ON THE PLANS, DETAILS AND/OR GEOTECHNICAL REPORT.
- 22) ENGINEER IS NOT RESPONSIBLE FOR CONSTRUCTION METHODS/MEANS FOR COMPLETION OF THE WORK DEFINED ON THESE PLANS NOR ANY CONFLICTS/SCOPE REVISIONS WHICH RESULT FROM SAME. CONTRACTOR IS RESPONSIBLE FOR DETERMINING METHODS/MEANS FOR COMPLETION OF THE WORK PRIOR TO THE COMMENCEMENT OF CONSTRUCTION AND NOTIFICATION OF OWNER AND ENGINEER OF RECORD WHEN A CONFLICT IS IDENTIFIED.
- 23) ENGINEER OF RECORD IS NOT RESPONSIBLE FOR JOB SITE SAFETY NOR HAS BEEN RETAINED FOR SUCH PURPOSES.
- 24) ALL CONTRACTORS MUST CARRY STATUTORY WORKER'S COMPENSATION INSURANCE, EMPLOYER'S LIABILITY INSURANCE AND APPROPRIATE LIMITS OF COMMERCIAL GENERAL LIABILITY INSURANCE (CGL). ALL CONTRACTORS MUST HAVE THEIR CGL POLICIES ENDORSED TO NAME BOHLER ENGINEERING, P.C., AND ITS SUBCONSULTANTS AS ADDITIONAL INSURED AND TO PROVIDE CONTRACTUAL LIABILITY COVERAGE SUFFICIENT TO INSURE THE HOLD HARMLESS AND INDEMNITY OBLIGATIONS ASSUMED BY THE CONTRACTORS. ALL CONTRACTORS MUST FURNISH BOHLER ENGINEERING, P.C. WITH CERTIFICATIONS OF INSURANCE AS EVIDENCE OF THE REQUIRED INSURANCE PRIOR TO COMMENCING WORK AND UPON RENEWAL OF EACH POLICY DURING THE ENTIRE PERIOD OF CONSTRUCTION. IN ADDITION, ALL CONTRACTORS WILL, TO THE FULLEST EXTENT PERMITTED BY LAW, INDEMNIFY AND HOLD HARMLESS BOHLER ENGINEERING, P.C. AND ITS SUBCONSULTANTS FROM AND AGAINST ANY DAMAGES, LIABILITIES OR COSTS, INCLUDING REASONABLE ATTORNEYS' FEES AND DEFENSE COSTS, ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE PROJECT, INCLUDING ALL CLAIMS BY EMPLOYEES OF THE CONTRACTORS.
- 25) NEITHER THE PROFESSIONAL ACTIVITIES OF BOHLER ENGINEERING, P.C. NOR THE PRESENCE OF BOHLER ENGINEERING, P.C. OR ITS EMPLOYEES AND SUBCONSULTANTS AT A CONSTRUCTION/PROJECT SITE, SHALL RELIEVE THE GENERAL CONTRACTOR OF ITS OBLIGATIONS, DUTIES AND RESPONSIBILITIES INCLUDING BUT NOT LIMITED TO, CONSTRUCTION MEANS, METHODS, SEQUENCE, TECHNIQUES OR PROCEDURES NECESSARY FOR PERFORMING, SUPERINTENDING AND COORDINATING THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND ANY HEALTH OR SAFETY PRECAUTIONS REQUIRED BY ANY REGULATORY AGENCIES. BOHLER ENGINEERING, P.C. AND ITS PERSONNEL HAVE NO AUTHORITY TO EXERCISE ANY CONTROL OVER ANY CONSTRUCTION CONTRACTOR OR ITS EMPLOYEES IN CONNECTION WITH THEIR WORK OR ANY HEALTH OR SAFETY PROGRAMS OR PROCEDURES. THE GENERAL CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR JOBSITE SAFETY. BOHLER ENGINEERING, P.C. SHALL BE INDEMNIFIED BY THE GENERAL CONTRACTOR AND SHALL BE NAMED AS AN ADDITIONALLY INSURED UNDER THE GENERAL CONTRACTOR'S POLICIES OF GENERAL LIABILITY INSURANCE.
- 26) BOHLER ENGINEERING, P.C. SHALL REVIEW AND APPROVE OR TAKE OTHER APPROPRIATE ACTION ON THE CONTRACTORS SUBMITTALS, SUCH AS SHOP DRAWINGS, PRODUCT DATA, SAMPLES, AND OTHER DATA, WHICH THE CONTRACTOR IS REQUIRED TO SUBMIT, BUT WHICH ARE NOT PART OF THE CONTRACT DOCUMENTS FOR CONFORMANCE WITH THE DESIGN CONCEPT AND THE INFORMATION SHOWN IN THE CONSTRUCTION MEANS OR METHODS, COORDINATION OF THE WORK WITH OTHER TRADES, OR CONSTRUCTION SAFETY PRECAUTIONS, ALL OF WHICH ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. BOHLER ENGINEERING'S REVIEW SHALL BE CONDUCTED WITH REASONABLE PROMPTNESS WHILE ALLOWING SUFFICIENT TIME TO PERMIT ADEQUATE REVIEW. REVIEW OF A SPECIFIC ITEM SHALL NOT INDICATE THAT BOHLER ENGINEERING, P.C. HAS REVIEWED THE ENTIRE ASSEMBLY OF WHICH THE ITEM IS A COMPONENT. BOHLER ENGINEERING, P.C. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATIONS FROM THE CONSTRUCTION DOCUMENTS NOT BROUGHT TO THE ATTENTION OF BOHLER ENGINEERING, P.C. IN WRITING BY THE CONTRACTOR. BOHLER ENGINEERING, P.C. SHALL NOT BE REQUIRED TO REVIEW PARTIAL SUBMISSIONS OR THOSE FOR WHICH SUBMISSIONS OF CORRELATED ITEMS HAVE NOT BEEN RECEIVED.
- 27) IN AN EFFORT TO RESOLVE ANY CONFLICTS THAT ARISE DURING THE DESIGN AND CONSTRUCTION OF THE PROJECT OR FOLLOWING THE COMPLETION OF THE PROJECT, BOHLER ENGINEERING, P.C. AND THE CONTRACTOR MUST AGREE THAT ALL DISPUTES BETWEEN THEM ARISING OUT OF OR RELATING TO THIS AGREEMENT OR THE PROJECT SHALL BE SUBMITTED TO NONBINDING MEDIATION UNLESS THE PARTIES MUTUALLY AGREE OTHERWISE.
- 28) THE CONTRACTOR MUST INCLUDE A MEDIATION PROVISION IN ALL AGREEMENTS WITH INDEPENDENT SUBCONTRACTORS AND CONSULTANTS RETAINED FOR THE PROJECT AND TO SIMILAR INDEPENDENT CONTRACTORS AND CONSULTANTS ALSO TO INCLUDE A SIMILAR MEDIATION PROVISION IN ALL AGREEMENTS WITH THEIR SUBCONTRACTORS, SUBCONSULTANTS, SUPPLIERS AND FABRICATORS, THEREBY PROVIDING FOR MEDIATION AS THE PRIMARY METHOD FOR DISPUTE RESOLUTION BETWEEN THE PARTIES TO ALL THOSE AGREEMENTS.
- 29) IF THE CONTRACTOR DEVIATES FROM THE PLANS AND SPECIFICATIONS, INCLUDING THE NOTES CONTAINED THEREON, WITHOUT FIRST OBTAINING PRIOR WRITTEN AUTHORIZATION FOR SUCH DEVIATIONS FROM THE OWNER AND ENGINEER, IT SHALL BE RESPONSIBLE FOR THE PAYMENT OF ALL COSTS TO CORRECT ANY WORK DONE, ALL FINES OR PENALTIES ASSESSED WITH RESPECT THERETO AND ALL COMPENSATORY OR PUNITIVE DAMAGES RESULTING THEREFROM. THE CONTRACTOR SHALL INDEMNIFY AND HOLD THE OWNER AND ENGINEER HARMLESS FROM AND AGAINST ALL SUCH COSTS TO CORRECT ANY SUCH WORK AND FROM ALL SUCH FINES AND PENALTIES, COMPENSATION AND PUNITIVE DAMAGES AND COSTS OF ANY NATURE RESULTING THEREFROM.

EROSION CONTROL NOTES DURING CONSTRUCTION

- 1. WINTER CONSTRUCTION PERIOD: NOVEMBER 1 THROUGH APRIL 15.
- 2. WINTER EXCAVATION AND EARTHWORK SHALL BE DONE SUCH THAT NO MORE THAN 1 ACRE OF THE SITE IS WITHOUT STABILIZATION AT ANY ONE TIME.
- 3. EXPOSED AREA SHOULD BE LIMITED TO THAT CAN BE MULCHED IN ONE DAY PRIOR TO ANY SNOW EVENT.
- 4. CONTINUATION OF EARTHWORK OPERATION ON ADDITIONAL AREAS SHALL NOT BEGIN UNTIL THE EXPOSED SOIL SURFACE ON THE AREA BEING WORKED HAS BEEN STABILIZED SUCH THAT NO LARGER AREA OF THE SITE IS WITHOUT EROSION CONTROL PROTECTION AS LISTED IN ITEM 2 ABOVE.
- 5. AN AREA SHALL BE CONSIDERED TO HAVE BEEN STABILIZED WHEN EXPOSED SURFACES HAVE BEEN EITHER MULCHED WITH STRAW OR HAY AT A RATE OF 100 LB. PER 1,000 SQUARE FEET (WITH OR WITHOUT SEEDING) OR DORMANT SEED, MULCHED AND ADEQUATELY ANCHORED BY AN APPROVED ANCHORING TECHNIQUE.
- 6. BETWEEN THE DATES OF OCTOBER 15 AND APRIL 15TH, LOAM OR SEED WILL NOT BE REQUIRED. DURING PERIODS OF ABOVE FREEZING TEMPERATURES THE SLOPES SHALL BE FINE GRADED AND EITHER PROTECTED WITH MULCH OR TEMPORARILY SEEDED AND MULCHED UNTIL SUCH TIME AS THE FINAL TREATMENT CAN BE APPLIED. IF THE DATE IS AFTER NOVEMBER 1ST AND IF THE EXPOSED AREA HAS BEEN LOAMED, FINAL GRADED AND IS SMOOTH, THEN THE AREA MAY BE DORMANT SEED AT A RATE OF 200 - 300 LBS PER ACRE. MULCHING SHALL BE PERMANENT SEED AND THEN MULCHED. IF CONSTRUCTION CONTINUES DURING FREEZING WEATHER, ALL EXPOSED AREAS SHALL BE CONTINUOUSLY GRADED BEFORE FREEZING AND THE SURFACE TEMPORARILY PROTECTED FROM EROSION BY THE APPLICATION OF MULCH. SLOPES SHALL NOT BE LEFT EXPOSED OVER THE WINTER OR ANY OTHER EXTENDED TIME OF WORK SUSPENSION UNLESS TREATED IN THE ABOVE MANNER UNTIL SUCH TIME AS WEATHER CONDITIONS ALLOW DITCHES TO BE FINISHED WITH THE PERMANENT SURFACE TREATMENT. EROSION SHALL BE CONTROLLED BY THE INSTALLATION OF BALES OF HAY OR STONE CHECK DAMS IN ACCORDANCE WITH THE STANDARD DETAILS.
- 7. A) BETWEEN THE DATES OF NOVEMBER 1ST AND APRIL 15TH ALL DRAINAGE SHALL BE ANCHORED BY EITHER FINE LINE MULCH NETTING, ASPHALT EMULSION CHEMICAL TRACK OR WOOD CELLULOSE FIBER. B) MULCH NETTING SHALL BE USED TO ANCHOR MULCH IN ALL DRAINAGE WAYS WITH A SLOPE GREATER THAN 3% FOR SLOPE EXPOSED TO DIRECT WINDS AND FOR ALL OTHER SLOPES GREATER THAN 8%.
- 8. AFTER NOVEMBER 1ST THE CONTRACTOR SHALL APPLY DORMANT SEEDING OR MULCH AND ANCHORING ON ALL BARE EARTH AT THE END OF EACH WORKING DAY.
- 9. DURING THE WINTER CONSTRUCTION PERIOD ALL SNOW SHALL BE REMOVED FROM AREAS OF SEEDING AND MULCHING PRIOR TO PLACING MULCH.
- 10. STOCKPILING OF MATERIALS (DIRT, WOOD, CONSTRUCTION MATERIALS, ETC.) MUST REMAIN COVERED AT ALL TIMES TO MINIMIZE ANY DUST PROBLEMS THAT MAY OCCUR WITH ADJACENT PROPERTIES AND TO PROVIDE MAXIMUM PROTECTION AGAINST EROSION RUNOFF.

EROSION & SEDIMENT CONTROL NOTES

- 1. ALL SEDIMENT AND EROSION CONTROL MEASURES SHALL BE DONE AS SET FORTH IN THE "EROSION AND SEDIMENT CONTROL HANDBOOK" PUBLISHED BY THE U.S.D.A. SOIL CONSERVATION SERVICE, STORRS, CONNECTICUT, 1972, AS AMENDED.
- 2. THOSE AREAS UNDERGOING ACTUAL CONSTRUCTION WILL BE LEFT IN AN UNTREATED OR UNVEGETATED CONDITION FOR A MINIMUM TIME. AREAS SHALL BE PERMANENTLY STABILIZED WITHIN 15 DAYS OF FINAL GRADING AND TEMPORARILY STABILIZED WITHIN 30 DAYS OF INITIAL DISTURBANCE OF THE SOIL IF THE DISTURBANCE IS WITHIN 100 FEET OF A STREAM OR POND. MOISTURE CONTROL SHALL BE STABILIZED WITHIN 7 DAYS OR PRIOR TO ANY STORM EVENT (THIS WOULD INCLUDE WETLANDS).
- 3. SEDIMENT BARRIERS (SILT FENCE, HAY BARRIERS, ETC.) SHOULD BE INSTALLED PRIOR TO ANY SOIL DISTURBANCE OF THE CONTRIBUTING DRAINAGE AREA ABOVE THEM. MULCH NETTING SHALL BE USED TO ANCHOR MULCH IN ALL AREAS WITH SLOPES GREATER THAN 15% AFTER OCTOBER 1ST THE SAME APPLIES FOR ALL SLOPES GREATER THAN 8%.
- 4. INSTALL SILT FENCE AT TOP OF SLOPE TO FILTER SILT FROM RUNOFF. SEE SILT FENCE DETAIL FOR PROPER INSTALLATION. SILT FENCE WILL REMAIN IN PLACE PER NOTE #5.
- 5. ALL EROSION CONTROL STRUCTURES WILL BE INSPECTED, REPLACED AND/OR REPAIRED EVERY 7 DAYS AND IMMEDIATELY FOLLOWING ANY SIGNIFICANT RAINFALL OF SNOW MELT OR WHEN NO LONGER SERVICEABLE DUE TO SEDIMENT ACCUMULATION. SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH STORM EVENT. THEY MUST BE REMOVED WHEN DEPOSITS REACH APPROXIMATELY ONE HALF THE HEIGHT OF THE BARRIER. SEDIMENT CONTROL DEVICES SHALL REMAIN IN PLACE AND BE MAINTAINED BY THE CONTRACTOR UNTIL AREAS UPSTREAM ARE STABILIZED BY LIME.
- 6. NO SLOPES, EITHER PERMANENT OR TEMPORARY, SHALL BE STEEPER THAN TWO TO ONE (2 TO 1).
- 7. IF FINAL SEEDING OF THE DISTURBED AREAS IS NOT COMPLETED 45 DAYS PRIOR TO THE FIRST KILLING FROST USE TEMPORARY MULCH (DORMANT SEEDING MAY BE ATTEMPTED AS WELL) TO PROTECT THE SITE AND DELAY SEEDING UNTIL THE NEXT RECOMMENDED SEEDING PERIOD.
- 8. TEMPORARY SEEDING OF DISTURBED AREAS THAT HAVE NOT BEEN FINAL GRADED SHALL BE COMPLETED 45 DAYS PRIOR TO THE FIRST KILLING FROST TO PROTECT FROM SPRING RUNOFF PROBLEMS.
- 9. DURING THE CONSTRUCTION PHASE, INTERCEPTED SEDIMENT WILL BE RETURNED TO THE SITE AND REGRADED ONTO OPEN AREAS.
- 10. REVEGETATION MEASURES WILL COMMENCE UPON COMPLETION OF CONSTRUCTION EXCEPT AS NOTED ABOVE. DISTURBED AREAS NOT OTHERWISE STABILIZED WILL BE GRADED, SMOOTHED, AND PREPARED FOR FINAL SEEDING AS FOLLOWS: a) FOUR INCHES OF LOAM WILL BE SPREAD OVER DISTURBED AREAS AND SMOOTHED TO A UNIFORM SURFACE. b) APPLY LIMESTONE AND FERTILIZER ACCORDING TO SOIL TEST. IF SOIL TESTING IS NOT FEASIBLE ON SMALL OR VARIABLE SITES, OR WHERE TESTING IS CRITICAL, FERTILIZER MAY BE APPLIED AT THE RATE OF 800 LB PER ACRE OR 18.4 LB PER 1,000 SF USING 10-20-20 OR EQUIVALENT. APPLY GROUND LIMESTONE (EQUIVALENT TO 50% CALCIUM PLUS MAXIMUM OXIDE) AT A RATE OF 3 TONS PER ACRE (138 LB PER 1,000 SF). c) FOLLOWING SEED BED PREPARATION, DITCHES AND BACK SLOPES WILL BE SEED TO A MIXTURE OF 47% CREEPING RED FESCUE, 5% REDTOP, AND 48% TALL FESCUE. THE LAWN AREAS WILL BE SEED TO A PREMIUM TURF MIXTURE OF 44% KENTUCKY BLUEGRASS, 44% CREEPING RED FESCUE, AND 12% PERENNIAL RYEGRASS. SEEDING RATE IS 1.03 LBS PER 1,000 SF. LAWN QUALITY SOO MAY BE SUBSTITUTED FOR SEED. d) HAY MULCH AT THE RATE OF 70-90 LBS PER 1,000 SF. A HYDRO-APPLICATION OF ASPHALT, WOOD OR PAPER FIBER SHALL BE APPLIED FOLLOWING SEEDING. A SUITABLE BINDER SUCH AS CURASOL OR RMB PLUS WILL BE USED ON HAY MULCH FOR WIND CONTROL.

MULCH AND MULCH ANCHORING

LOCATION	MULCH	RATE (1,000 SF)
PROJECT AREA	STRAW OR HAY SHREDED OR CHOPPED	100 POUNDS
WINDY AREA	CORNSTALKS STRAW OR HAY (ANCHORED)	185-275 POUNDS
	JUTE MESH OR EXCELSSION MAT	AS REQUIRED
	MODERATE TO HIGH VELOCITY AREAS OR STEEP SLOPES GREATER THAN 3:1	AS REQUIRED
	GREATER THAN 3:1	

* A HYDRO-APPLICATION OF ASPHALT, WOOD, OR PAPER FIBER SHALL BE USED ON HAY MULCH FOR WIND CONTROL.

ANCHOR MULCH WITH PEG AND TWINE (1.50, 10#/BLOCC) MULCH NETTING (AS PER MANUFACTURER); ASPHALT EMULSION (0.01 GALLONS PER SQ. YD.); LIQUID ASPHALT (0.01 GAL. PER SQ. YD.); WOOD CELLULOSE FIBER (50 LBS/ACRE); CHEMICAL TRACK (AS PER MANUFACTURERS SPECIFICATIONS); USE OF A SERATED STRIP DISK WETTING FOR SMALL AREAS AND ROAD DITCHES MAY BE PERMITTED.

GRADING & UTILITY NOTES:

- 1) LOCATION OF ALL EXISTING AND PROPOSED SERVICES ARE APPROXIMATE AND MUST BE CONFIRMED INDEPENDENTLY WITH LOCAL UTILITY COMPANIES PRIOR TO COMMENCEMENT OF CONSTRUCTION OR EXCAVATION. SANITARY SEWER AND ALL OTHER UTILITY SERVICE CONNECTION POINTS SHALL BE CONFIRMED INDEPENDENTLY BY THE CONTRACTOR IN FIELD PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. ALL DISCREPANCIES SHALL BE REPORTED IMMEDIATELY IN WRITING TO THE ENGINEER. CONSTRUCTION SHALL COMMENCE BEGINNING AT THE LOWEST INVERT (POINT OF CONNECTION) AND PROGRESS UP GRADIENT. PROPOSED INTERFACE POINTS (CROSSINGS) WITH EXISTING UNDERGROUND INSTALLATIONS SHALL BE FIELD VERIFIED BY TEST PIT PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- 2) ALL UTILITIES AND SERVICES INCLUDING BUT NOT LIMITED TO GAS, WATER, ELECTRIC, SANITARY AND STORM SEWER, TELEPHONE, CABLE, FIBER OPTIC CABLE, ETC. WITHIN THE LIMITS OF DISTURBANCE SHALL BE VERTICALLY AND HORIZONTALLY LOCATED. THE CONTRACTOR SHALL USE AND COMPLY WITH THE REQUIREMENTS OF THE APPLICABLE UTILITY NOTIFICATION SYSTEM TO LOCATE ALL THE UNDERGROUND UTILITIES. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRS OF DAMAGE TO ANY EXISTING UTILITIES DURING CONSTRUCTION AT NO COST TO THE OWNER.
- 3) IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW ALL OF THE DRAWINGS AND SPECIFICATIONS ASSOCIATED WITH THE PROJECT WORK SCOPE PRIOR TO THE INITIATION OF CONSTRUCTION. SHOULD THE CONTRACTOR FIND A CONFLICT WITH THE DOCUMENTS RELATIVE TO THE SPECIFICATIONS OR THE RELATIVE CODES, IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE PROJECT ENGINEER OF RECORD IN WRITING PRIOR TO THE START OF CONSTRUCTION. FAILURE BY THE CONTRACTOR TO NOTIFY THE PROJECT ENGINEER OF RECORD PRIOR TO CONNECTING TO THE EXISTING UTILITY SERVICE, WHERE CONFLICTS EXIST WITH THESE SITE PLANS, ENGINEER IS TO BE NOTIFIED PRIOR TO CONSTRUCTION TO RESOLVE SAME.
- 4) DEFINE AND LOCATE VERTICALLY AND HORIZONTALLY ALL ACTIVE UTILITY AND/OR SERVICE SYSTEMS THAT ARE TO BE REMOVED. THE CONTRACTOR IS RESPONSIBLE TO PROTECT AND MAINTAIN ALL ACTIVE SYSTEMS THAT ARE NOT BEING REMOVED/RELOCATED DURING SITE ACTIVITY.
- 5) THE CONTRACTOR SHALL FAMILIARIZE THEMSELVES WITH THE APPLICABLE UTILITY SERVICE PROVIDER REQUIREMENTS AND IS RESPONSIBLE FOR ALL COORDINATION REGARDING UTILITY DEMOLITION AS IDENTIFIED OR REQUIRED FOR PROJECT. THE CONTRACTOR SHALL PROVIDE THE OWNER WRITTEN NOTIFICATION THAT THE EXISTING UTILITIES AND SERVICES HAVE BEEN TERMINATED AND ABANDONED IN ACCORDANCE WITH JURISDICTION AND UTILITY COMPANY REQUIREMENTS.
- 6) CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF SITE PLAN DOCUMENTS AND ARCHITECTURAL DESIGN FOR EXACT BUILDING UTILITY CONNECTION LOCATIONS, GRESSE TRAP REQUIREMENTS/DETAILS, DOOR ACCESS, AND EXTERIOR GRADING. THE UTILITY SERVICE SIZES ARE TO BE DETERMINED BY THE ARCHITECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING AND REPLACING WITH SUITABLE MATERIALS AS SPECIFIED IN THE GEOTECHNICAL REPORT. ALL EXCAVATED OR FILLED MATERIAL SHALL BE COMPACTED AS SPECIFIED IN THE SYSTEM MANUAL. THE AREA OF THE SUBBASE BEING DELETED UNDESIRABLE BY OWNER OR OWNER'S REPRESENTATIVE, SUBBASE IS TO BE REMOVED AND FILLED WITH APPROVED FILL MATERIAL COMPACTED AS DIRECTED BY THE GEOTECHNICAL REPORT.
- 7) WATER SERVICE MATERIALS, BURIAL DEPTH, AND COVER REQUIREMENTS LISTED IN THE KENT COUNTY WATER AUTHORITY REGULATIONS EFFECTIVE SEPTEMBER 20, 2006. CONTRACTOR'S PRICE FOR WATER SERVICE SHALL INCLUDE ALL FEES AND APPURTENANCES REQUIRED BY THE UTILITY TO PROVIDE A COMPLETE WORKING SERVICE.
- 8) ALL NEW UTILITIES/SERVICES, INCLUDING ELECTRIC, TELEPHONE, CABLE TV, ETC. ARE TO BE INSTALLED UNDERGROUND. ALL NEW UTILITIES/SERVICES SHALL BE INSTALLED IN ACCORDANCE WITH THE UTILITY/SERVICE PROVIDER INSTALLATION SPECIFICATIONS AND STANDARDS.
- 9) SITE GRADING SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE RECOMMENDATIONS SET FORTH IN THE GEOTECHNICAL REPORT REFERENCED IN THIS PLAN SET. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING AND REPLACING WITH SUITABLE MATERIALS AS SPECIFIED IN THE GEOTECHNICAL REPORT. ALL EXCAVATED OR FILLED MATERIAL SHALL BE COMPACTED AS SPECIFIED IN THE SYSTEM MANUAL. THE AREA OF THE SUBBASE BEING DELETED UNDESIRABLE BY OWNER OR OWNER'S REPRESENTATIVE, SUBBASE IS TO BE REMOVED AND FILLED WITH APPROVED FILL MATERIAL COMPACTED AS DIRECTED BY THE GEOTECHNICAL REPORT.
- 10) ALL FILL, COMPACTION, AND BACKFILL MATERIALS REQUIRED FOR UTILITY INSTALLATION SHALL BE AS PER THE RECOMMENDATIONS PROVIDED IN THE GEOTECHNICAL REPORT AND SHALL BE COORDINATED WITH THE APPLICABLE UTILITY COMPANY SPECIFICATION.
- 11) THE CONTRACTOR SHALL COMPLY TO THE FULLEST EXTENT WITH THE LATEST OSHA STANDARDS AND REGULATIONS, OR ANY OTHER AGENCY HAVING JURISDICTION FOR EXCAVATION AND TRENCHING PROCEDURES. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE "MEANS AND METHODS" REQUIRED TO MEET THE DESIGN AND PERFORMANCE CRITERIA OF OSHA, AS WELL AS ANY OTHER ENTITY THAT HAS JURISDICTION FOR EXCAVATION AND/OR TRENCHING PROCEDURES.
- 12) PAVEMENT SHALL BE SAW CUT IN STRAIGHT LINES TO THE FULL DEPTH OF THE EXISTING PAVEMENT. ALL DEBRIS FROM REMOVAL OPERATIONS SHALL BE REMOVED FROM THE SITE AT THE TIME OF EXCAVATION. STOCKPILING OF DEBRIS WILL NOT BE PERMITTED.
- 13) THE TOPS OF EXISTING MANHOLES, INLET STRUCTURES, AND SANITARY CLEANOUT TOPS SHALL BE ADJUSTED, IF REQUIRED, TO MATCH PROPOSED GRADES IN ACCORDANCE WITH ALL APPLICABLE STANDARDS.
- 14) THE CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF EXISTING TOPOGRAPHIC INFORMATION AND UTILITY INVERT ELEVATIONS PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION. CONTRACTOR TO ENSURE .75% MIN. SLOPE AGAINST ALL ISLANDS GUTTERS, CURBS; 1.0% ON ALL CONCRETE SURFACES; AND 1.5% MIN. ON ASPHALT, TO PREVENT PONDING. ANY DISCREPANCIES THAT MAY AFFECT THE PUBLIC SAFETY OR PROJECT COST MUST BE IDENTIFIED TO THE ENGINEER IN WRITING IMMEDIATELY. PROCEEDING WITH CONSTRUCTION WITHOUT NOTIFICATION IS DONE SO AT THE CONTRACTOR'S OWN RISK.
- 15) PROPOSED TOP OF CURB ELEVATIONS ARE GENERALLY 6" ABOVE EXISTING LOCAL ASPHALT GR/DE UNLESS OTHERWISE NOTED. FIELD ADJUST TO CREATE A MINIMUM OF .75% GUTTER GRADE CURB FACE. ENGINEER TO APPROVE FINAL CURBING CUT SHEETS PRIOR TO INSTALLATION.
- 16) REFER TO SITE PLAN FOR ADDITIONAL NOTES.
- 17) IN CASE OF DISCREPANCIES BETWEEN PLANS OR RELATIVE TO OTHER PLANS, THE SITE PLAN WILL TAKE PRECEDENCE. IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY CONFLICTS.
- 18) CONTRACTOR SHALL BE REQUIRED TO SECURE ALL NECESSARY PERMITS AND APPROVALS FOR ALL OFF-SITE MATERIAL SOURCES AND DISPOSAL FACILITIES. CONTRACTOR SHALL SUPPLY A COPY OF APPROVALS TO ENGINEER AND OWNER PRIOR TO INITIATING WORK.
- 19) CHLORINATION PORTS TO BE PROVIDED EVERY 1,000 FEET ON WATER LINES. REFER TO KCWA REGULATION 3.23.6.
- 20) ALL TESTING & WASHING OF FIRE LINES MUST BE COORDINATED THROUGH THE COVENTRY STATION #4 FIRE DEPARTMENT. CONTRACTOR SHALL COORDINATE THESE EFFORTS PRIOR TO COMMENCING WORK.
- 21) IRRIGATION WELL AND PUMP TO BE DESIGNED AND INSTALLED BY CONTRACTOR. PUMPS SHALL BE DESIGNED TO PROVIDE A MINIMUM OF 55 GPM @ 72 PSI. THE MINIMUM REQUIRED PRESSURE SHALL BE CALCULATED AFTER PRESSURE LOSSES ARE CALCULATED THROUGH THE SYSTEM COMPONENTS (FITTINGS, HEADS, SIDE VALVES, PIPING, CHANGE IN ELEVATION, ETC.). WELL SHALL BE INSTALLED WITHIN 5 DAYS OF CONSTRUCTION START TO ENSURE ADEQUATE WATER IS AVAILABLE FOR IRRIGATION SYSTEM.
- 22) UTILITY CROSSING INFORMATION IS PROVIDED FOR INFORMATIONAL PURPOSES ONLY. CONTRACTOR IS RESPONSIBLE FOR ENSURING NECESSARY COVERS, VERTICAL SPACING, AND SLOPES ARE OBTAINED IN ACCORDANCE WITH DESIGN PLANS, SPECIFICATIONS AND GOVERNING UTILITY AUTHORITY.

Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED JUL 25 2007 FILE # 07-0257
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE.

W. Joseph Casey



PREPARED FOR:
APPLICANT: HECHT DEVELOPMENT COMMERCIAL REAL ESTATE 30 MONUMENT SQUARE SUITE 101 CONCORD, MA 01742

OWNER: EAGLE AMERICAN INVESTORS, L.L.C. 54 OLD NORTH ROAD COVENTRY RI, 02816 RICK SANETTI PHONE: (401)-823-5565

PROJECT: HECHT DEVELOPMENT PROPOSED DEVELOPMENT "COVENTRY CROSSING" NEW LONDON TURNPIKE @ CROMPTON ROAD TOWNSHIP OF COVENTRY & EAST GREENWICH, KENT COUNTY, RHODE ISLAND

NOTES

SCALE: (N) AS SHOWN (V) NONE DATE: 04/02/07 SHEET No: 2 OF 13

DRAWN BY: JAY PROJECT No: W041025 CHECKED BY: JWR/DMS CAD L.D. #: W041025ss1 REV. No: 1

CONSTRUCTION CHECK DATE

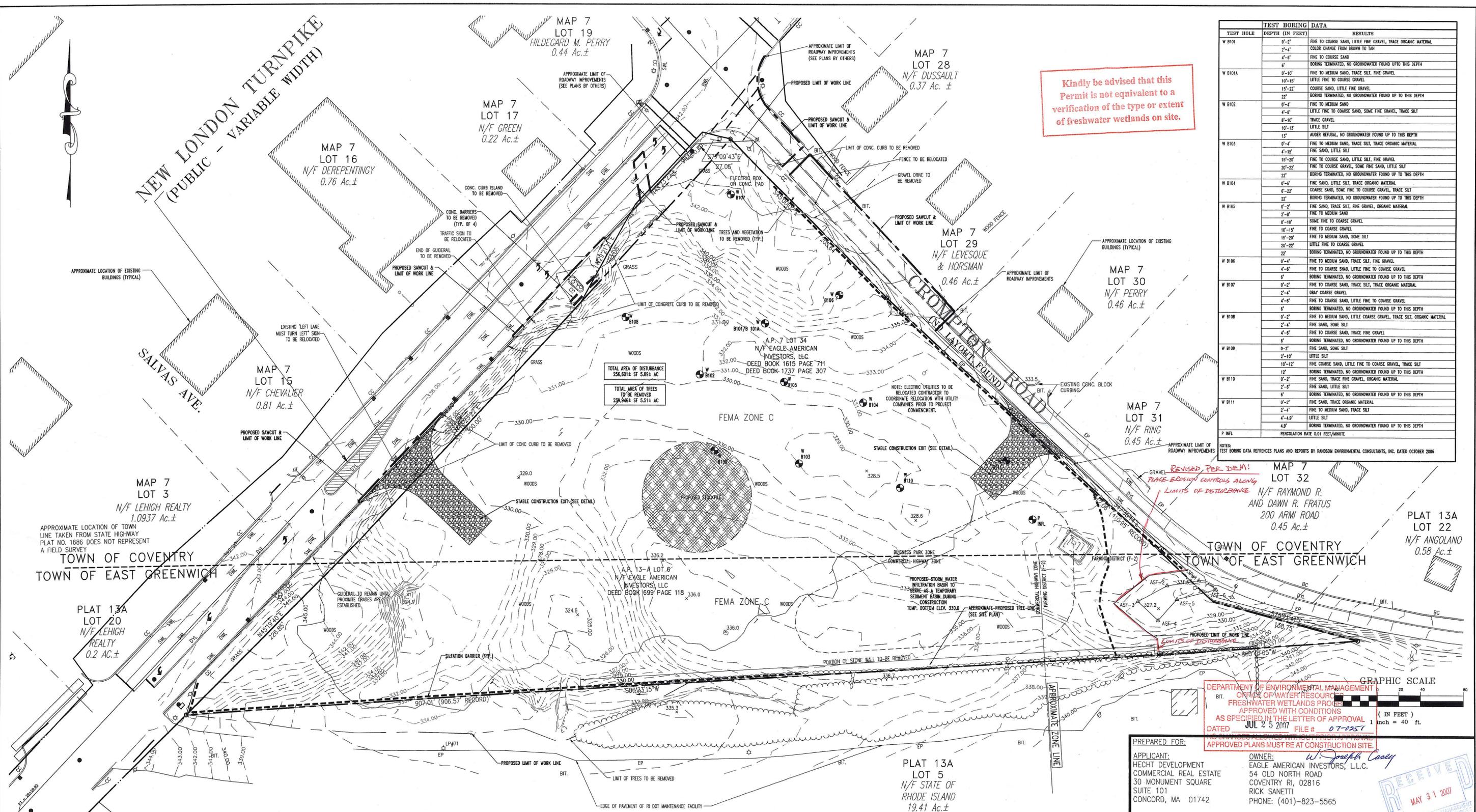
BOHLER ENGINEERING, P.C. CIVIL & CONSULTING ENGINEERS PROJECT MANAGERS ENVIRONMENTAL & SITE PLANNERS MUNICIPAL ENGINEERS

352 Turnpike Road Southborough, MA 01772 508.480.9900 fax: 508.480.9080 www.bohlereng.com

PROFESSIONAL ENGINEER M.D. SMITH REGISTERED CIVIL

PROFESSIONAL ENGINEER W.D. GOEBEL REGISTERED CIVIL

NEW LONDON TURNPIKE
(PUBLIC - VARIABLE WIDTH)



Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site.

TEST HOLE	DEPTH (IN FEET)	RESULTS
W B101	0'-2"	FINE TO COARSE SAND, LITTLE FINE GRAVEL, TRACE ORGANIC MATERIAL
	2'-4"	COLOR CHANGE FROM BROWN TO TAN
	4'-6"	FINE TO COARSE SAND
	6'	BORING TERMINATED, NO GROUNDWATER FOUND UP TO THIS DEPTH
W B104	0'-10"	FINE TO MEDIUM SAND, TRACE SILT, FINE GRAVEL
	10'-15"	LITTLE FINE TO COARSE GRAVEL
	15'-22"	COURSE SAND, LITTLE FINE GRAVEL
	22'	BORING TERMINATED, NO GROUNDWATER FOUND UP TO THIS DEPTH
W B102	0'-4"	FINE TO MEDIUM SAND
	4'-8"	LITTLE FINE TO COARSE SAND, SOME FINE GRAVEL, TRACE SILT
	8'-10"	TRACE GRAVEL
	10'-15"	LITTLE SILT
W B103	0'-4"	FINE TO MEDIUM SAND, TRACE SILT, TRACE ORGANIC MATERIAL
	4'-15"	FINE SAND, LITTLE SILT
	15'-20"	FINE TO COARSE SAND, LITTLE SILT, FINE GRAVEL
	20'-22"	FINE TO COARSE GRAVEL, SOME FINE SAND, LITTLE SILT
W B104	0'-4"	FINE SAND, LITTLE SILT, TRACE ORGANIC MATERIAL
	4'-22"	COURSE SAND, SOME FINE TO COARSE GRAVEL, TRACE SILT
	22'	BORING TERMINATED, NO GROUNDWATER FOUND UP TO THIS DEPTH
	22'	BORING TERMINATED, NO GROUNDWATER FOUND UP TO THIS DEPTH
W B105	0'-2"	FINE SAND, TRACE SILT, FINE GRAVEL, ORGANIC MATERIAL
	2'-8"	FINE TO MEDIUM SAND
	8'-10"	SOME FINE TO COARSE GRAVEL
	10'-15"	FINE TO COARSE GRAVEL
W B106	0'-4"	FINE TO MEDIUM SAND, TRACE SILT, FINE GRAVEL
	4'-6"	FINE TO COARSE SAND, LITTLE FINE TO COARSE GRAVEL
	6'	BORING TERMINATED, NO GROUNDWATER FOUND UP TO THIS DEPTH
	6'	BORING TERMINATED, NO GROUNDWATER FOUND UP TO THIS DEPTH
W B107	0'-2"	FINE TO COARSE SAND, TRACE SILT, TRACE ORGANIC MATERIAL
	2'-4"	GRAY COARSE GRAVEL
	4'-5"	FINE TO COARSE SAND, LITTLE FINE TO COARSE GRAVEL
	6'	BORING TERMINATED, NO GROUNDWATER FOUND UP TO THIS DEPTH
W B108	0'-2"	FINE TO MEDIUM SAND, LITTLE COARSE GRAVEL, TRACE SILT, ORGANIC MATERIAL
	2'-4"	FINE SAND, SOME SILT
	4'-5"	FINE TO COARSE SAND, TRACE FINE GRAVEL
	6'	BORING TERMINATED, NO GROUNDWATER FOUND UP TO THIS DEPTH
W B109	0'-2"	FINE SAND, SOME SILT
	2'-10"	LITTLE SILT
	10'-12"	FINE COARSE SAND, LITTLE FINE TO COARSE GRAVEL, TRACE SILT
	12'	BORING TERMINATED, NO GROUNDWATER FOUND UP TO THIS DEPTH
W B110	0'-2"	FINE SAND, TRACE FINE GRAVEL, ORGANIC MATERIAL
	2'-5"	FINE SAND, LITTLE SILT
	5'	BORING TERMINATED, NO GROUNDWATER FOUND UP TO THIS DEPTH
	5'	FINE SAND, TRACE ORGANIC MATERIAL
W B111	0'-2"	FINE TO MEDIUM SAND, TRACE SILT
	2'-4"	FINE TO MEDIUM SAND, TRACE SILT
	4'-4.8"	LITTLE SILT
	4.8'	BORING TERMINATED, NO GROUNDWATER FOUND UP TO THIS DEPTH
P INFL		PERCOLATION RATE 0.01 FEET/MINUTE

NOTES:
TEST BORING DATA REFERENCES PLANS AND REPORTS BY RAMSLOW ENVIRONMENTAL CONSULTANTS, INC. DATED OCTOBER 2006

TOTAL AREA OF DISTURBANCE
256,801± SF 5.88± AC
TOTAL AREA OF TREES
TO BE REMOVED
239,946± SF 5.51± AC

REVISED PER DEM!
PLACE EROSION CONTROLS ALONG
LIMITS OF DISTURBANCE

TOWN OF COVENTRY
TOWN OF EAST GREENWICH

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED JUL 25 2007 FILE # 07-0257
APPROVED PLANS MUST BE AT CONSTRUCTION SITE.

PREPARED FOR:
APPLICANT: HECHT DEVELOPMENT
COMMERCIAL REAL ESTATE
30 MONUMENT SQUARE
SUITE 101
CONCORD, MA 01742
OWNER: EAGLE AMERICAN INVESTORS, L.L.C.
54 OLD NORTH ROAD
COVENTRY RI, 02816
RICK SANETTI
PHONE: (401)-823-5565

BOHLER ENGINEERING, P.C.
CIVIL & CONSULTING ENGINEERS ■ PROJECT MANAGERS ■ ENVIRONMENTAL & SITE PLANNERS ■ MUNICIPAL ENGINEERS
Other Office Locations: ■ Chalfont, PA ■ Melville, NY ■ Sterling, VA ■ Warren, NJ ■ Towson, MD ■ Albany, NY

PROJECT: HECHT DEVELOPMENT
PROPOSED DEVELOPMENT "COVENTRY CROSSING"
NEW LONDON TURNPIKE @ GROMPTON ROAD
TOWNS OF COVENTRY & EAST GREENWICH,
KENT COUNTY, RHODE ISLAND

TITLE: DEMOLITION, EROSION & SEDIMENT CONTROL PLAN

W.D. GOEBEL M.D. SMITH
PROFESSIONAL ENGINEER MASSACHUSETTS LICENSE No. 42844
RHODE ISLAND LICENSE No. 7289
CONNECTICUT LICENSE No. 21854
NEW HAMPSHIRE LICENSE No. 10280
MAINE LICENSE No. 9490

SCALE: AS SHOWN DATE: 04/02/07 SHEET No: 3 OF 13
DRAWN BY: JAY PROJECT No: W041025
CHECKED BY: JWR/MDS CAD L.D. #: W041025sst
CONSTRUCTION CHECK DATE

NOTE:
THE PROPOSED PLANS CONFORMS TO APPLICABLE STANDARDS OF THE STATE OF RHODE ISLAND BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS AND BOARD OF REGISTRATION OF PROFESSIONAL SURVEYORS.
THIS PLAN IS INTENDED FOR THE PURPOSES OF ACCOMPANYING A PRELIMINARY PLAN APPLICATION ONLY.

THIS PLAN TO BE UTILIZED FOR DEMOLITION, EROSION & SEDIMENT CONTROL PURPOSES ONLY

CONTRACTOR TO PROTECT ALL INLETS THAT WOULD BE SUBJECT TO SILTATION

ANY PERSON IS PROHIBITED FROM ALTERING ANYTHING ON THESE DRAWINGS AND/OR THE ACCOMPANYING SPECIFICATIONS, UNLESS IT IS UNDER THE WRITTEN DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OF THE FIRM. IN THE EVENT SUCH ALTERATIONS ARE MADE, THE PROFESSIONAL ENGINEER OF THE FIRM MUST SIGN, SEAL, DATE, AND DESCRIBE THE FULL EXTENT OF THE ALTERATION ON THE DRAWINGS AND/OR IN THE SPECIFICATIONS.

ZONING ANALYSIS TABLE

ZONE CRITERIA	REQUIRED (COVENTRY)	PROVIDED COVENTRY	REQUIRED E. GREENWICH		PROVIDED E. GREENWICH	PROVIDED SITE
			COMMERCIAL HIGHWAY	DRIVE-THRU'S		
ZONING DISTRICT:	BUSINESS PARK					
MINIMUM LOT AREA	AS REQUIRED	145,746±	40,000	30,000	100,705±	246,181±
MINIMUM LOT FRONTAGE	AS REQUIRED	NEW LONDON TURNPIKE 536.62' CROMPTON ROAD 566.70'	100'	150'	NEW LONDON TURNPIKE 198.82' CROMPTON ROAD 203.14'	NEW LONDON TURNPIKE 735.44' CROMPTON ROAD 769.84'
MINIMUM FRONT YARD	AS REQUIRED	80'	20'	50'	90.2'	80'
MINIMUM SIDE YARD	AS REQUIRED	N/A	10'	40'	0' (TO MUNICIPAL BOUNDARY)	0' (TO MUNICIPAL BOUNDARY)
MINIMUM REAR YARD	AS REQUIRED	N/A	20'	40'	26.2'	42.7'
MAXIMUM LOT COVERAGE (BLDG'S)	AS REQUIRED	12%	35% MAX.	25% MAX.	3.1%	8.6%
MAXIMUM COVERAGE (IMPV)	80%-100%	73%	70% MAX.	70% MAX.	27%	55.5%
MAXIMUM BUILDING HEIGHT	60'	<60'	35'	35'	<35'	<35'
MINIMUM INTERNAL LANDSCAPING	N/A	N/A	10% OF PARKING	10% OF PARKING	<10% OF PARKING	N/A
RESTAURANT PARKING/RETAIL PARKING	62	54	N/A	N/A	8	171 (TOTAL SITE)
PHARMACY PARKING	65	83	N/A	N/A	N/A	171 (TOTAL SITE)
BANK PARKING	N/A	6	16	16	20 (14 OUTSIDE SETBACK)	171 (TOTAL SITE)
LANDSCAPING (TREE REQ.)	28	49	16	16	25	74 (TOTAL SITE)

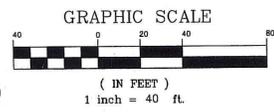
SITE LEGEND

- (A) CONCRETE CURB, TYPICAL (SEE DETAIL)
- (B) STANDARD CONCRETE SIDEWALK WIDTH VARIES (SEE PLAN)
- (C) EXISTING OR NEW MOTHERS SIGN BOLLARD
- (D) "STOP" AND BAR PAINTED ON PAVEMENT AND STOP SIGN, TYPICAL (SEE DETAIL)
- (E) 4" PIPE BOLLARD, TYPICAL (SEE DETAIL)
- (F) 4" SIGN BOLLARD W/ HANDICAPPED SIGN, TYPICAL
- (G) TRAFFIC FLOW ARROW, TYPICAL (SEE DETAIL)
- (H) TRANSFORMER ON CONCRETE PAD, LOCATION & SIZE TO BE CONFIRMED WITH UTILITY COMPANY.
- (I) TIMBER GUIDE RAIL (SEE DETAILS)
- (J) MEET EXISTING CURB IN GRADE AND ALIGNMENT
- (K) 4" WIDE YELLOW STRIPING (SEE PLAN)
- (L) LIGHT FIXTURE ON POLE, TYPICAL (SEE LIGHTING PLAN FOR MORE INFORMATION)
- (M) PROPOSED DRIVE THRU CANOPY (REFER TO ARCHITECTURALS FOR MORE INFORMATION)
- (N) PROPOSED ADA RAMP GRADED AT SIX MAX SLOPE
- (O) TRANSITION CURB, TYPICAL
- (P) "DO NOT ENTER" SIGN WITH BAR AND LETTERING PAINTED ON PAVEMENT
- (Q) WATER UTILITY STRUCTURE (SEE UTILITY/DETAIL SHEET FOR MORE INFORMATION)
- (R) PROPOSED 10'-9" X 12' TRASH ENCLOSURE W/ 10'-9" X 20'-4" CONC. MAT, TYPICAL
- (S) PROPOSED 3' DETECTABLE WARNING STRIP
- (T) DIRECTIONAL "ENTER" SIGN 9.0 S.F.
- (U) DIRECTIONAL "EXIT" SIGN 9.0 S.F.
- (V) DIRECTIONAL "DRIVE THRU PHARMACY" SIGN 9.0 S.F.
- (W) DIRECTIONAL "DO NOT ENTER / THANK YOU" SIGN 2.0 S.F.

Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED JUL 25 2007 FILE # 07-1251
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE.

W. Joseph Casey



SITE DATA:

TOTAL SITE AREA: 148,993± SF (IN COVENTRY)
TOTAL SITE AREA: 100,698± SF (IN EAST GREENWICH)
TOTAL SITE AREA: 249,691± SF

NOTE:

THE PROPOSED PLANS CONFORMS TO APPLICABLE STANDARDS OF THE STATE OF RHODE ISLAND BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS AND BOARD OF REGISTRATION OF PROFESSIONAL SURVEYORS. THIS PLAN IS INTENDED FOR THE PURPOSES OF ACCOMPANYING A PRELIMINARY PLAN APPLICATION ONLY.

PARKING CALCULATIONS:

COVENTRY REQUIREMENTS
PHARMACY PARKING (RETAIL) REQUIRED=2,500 S.F. 1 PER 200 S.F. 12,900±/200 = 65 SPACES REQUIRED PROVIDED = 83 SPACES
FAST FOOD PARKING REQUIRED = 1 PER 50 S.F. G.F.A. 2,400/50 = 48 SPACES REQUIRED PROVIDED = 48 SPACES
RETAIL PARKING REQUIRED = >2,500 S.F. 1 PER 200 S.F. 2,700/200 = 14 SPACES REQUIRED PROVIDED = 14 SPACES

E. GREENWICH REQUIREMENT
BANK PARKING REQUIRED = 1 PER 200 S.F. 3,125/200 = 16 SPACES REQUIRED PROVIDED = 22 OUTSIDE PARKING SETBACK 4 WITHIN PARKING SETBACK 26 TOTAL

GENERAL SITE NOTES:

1. APPLICANT: HECHT DEVELOPMENT COMPANY COMMERCIAL REAL ESTATE 30 MONUMENT SQUARE SUITE 101 CONCORD, MA 01742 PH: 1.978.369.5011
2. BOUNDARY AND TOPOGRAPHIC INFORMATION TAKEN FROM PLANS PREPARED BY VHB, PROVIDED TO OUR OFFICE BY THE DEVELOPER. SEE ATTACHED SHEET 1 & 2 OF 2 BY OTHERS.
3. BASED UPON FEMA/FIRM MAPPING, THE SUBJECT SITE IS NOT LOCATED WITHIN ANY 100 YEAR FLOOD ZONE.
4. BASED UPON AVAILABLE RI GIS MAPPING, THERE ARE NO BROOKS, STREAMS, PONDS, LAKES, PUBLIC DRINKING WATER RESERVOIRS, GROUNDWATER RESERVOIRS, GROUNDWATER RECHARGE AREAS, WELL HEAD PROTECTION AREAS OR PUBLIC WELLS LOCATED ON-SITE.
5. THERE ARE NO NATURAL HERITAGE, HISTORIC DISTRICTS, OR GROUNDWATER PROTECTION OVERLAY DISTRICTS LOCATED ON SITE.
6. THE SITE IS LOCATED WITHIN COVENTRY'S CENTRAL FIRE DISTRICT, STATION #4.

PREPARED FOR:

APPLICANT: HECHT DEVELOPMENT COMMERCIAL REAL ESTATE 30 MONUMENT SQUARE SUITE 101 CONCORD, MA 01742

OWNER: EAGLE AMERICAN INVESTORS, L.L.C. 54 OLD NORTH ROAD COVENTRY RI, 02816 RICK SANETTI PHONE: (401)-823-5565

BOHLER ENGINEERING, P.C.

CIVIL & CONSULTING ENGINEERS PROJECT MANAGERS ENVIRONMENTAL & SITE PLANNERS MUNICIPAL ENGINEERS

Chalfont, PA Melville, NY Sterling, VA Warren, NJ Towson, MD Albany, NY

PROJECT: HECHT DEVELOPMENT "COVENTRY CROSSING" PROPOSED DEVELOPMENT @ CROMPTON ROAD NEW LONDON TURNPIKE @ CROMPTON ROAD TOWNS OF COVENTRY & EAST GREENWICH, KENT COUNTY, RHODE ISLAND

TITLE: **SITE PLAN**

SCALE: (H) AS SHOWN (V) NONE DATE: 04/02/07 SHEET No: 4 OF 13

DRAWN BY: JAY PROJECT No: W041025

CHECKED BY: JWR/MDS CAD L.D. #: W041025ss1

PROFESSIONAL ENGINEER MASSACHUSETTS LICENSE No. 42644 RHOIDE ISLAND LICENSE No. 8145 CONNECTICUT LICENSE No. 21854 NEW HAMPSHIRE LICENSE No. 10280 MAINE LICENSE No. 9490

PROFESSIONAL ENGINEER CIVIL MATTHEW W. SMITH MASSACHUSETTS LICENSE No. 4564 RHOIDE ISLAND LICENSE No. 8145 CONNECTICUT LICENSE No. 24567

CONSTRUCTION CHECK DATE 1

NEW LONDON TURNPIKE
(PUBLIC - VARIABLE WIDTH)

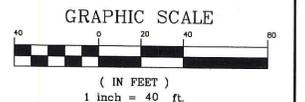
SALVAS AVE.

CROMPTON ROAD
(NO LAYOUT FOUND)

TOWN OF COVENTRY
TOWN OF EAST GREENWICH

Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED JUL 25 2007 FILE # 07-0257
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
W. Joseph Casey



NOTE:
THE PROPOSED PLANS CONFORMS TO APPLICABLE STANDARDS OF THE STATE OF RHODE ISLAND BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS AND BOARD OF REGISTRATION OF PROFESSIONAL SURVEYORS. THIS PLAN IS INTENDED FOR THE PURPOSES OF ACCOMPANYING A PRELIMINARY PLAN APPLICATION ONLY.

GRADING LEGEND		
EXISTING	PROPOSED	DESCRIPTION
123	123	CONTOUR
X 123.45	123.45	SPOT GRADE
	TC 123.95 BC 123.45	TOP OF CURB BOTTOM OF CURB
	TW 123.95 BW 123.45	TOP OF WALL BOTTOM OF WALL
	→	FLOW ARROW

THIS PLAN TO BE UTILIZED FOR GRADING AND DRAINAGE PURPOSES ONLY

PREPARED FOR:
APPLICANT: HECHT DEVELOPMENT
COMMERCIAL REAL ESTATE
30 MONUMENT SQUARE
SUITE 101
CONCORD, MA 01742

OWNER: EAGLE AMERICAN INVESTORS, L.L.C.
54 OLD NORTH ROAD
COVENTRY RI, 02816
RICK SANETTI
PHONE: (401)-823-5565



BOHLER ENGINEERING, P.C.
CIVIL & CONSULTING ENGINEERS ■ PROJECT MANAGERS ■ ENVIRONMENTAL & SITE PLANNERS ■ MUNICIPAL ENGINEERS

352 Turnpike Road
Southborough, MA 01772
508-480-9900
fax: 508-480-9080
www.bohlereng.com

PROJECT: HECHT DEVELOPMENT
PROPOSED DEVELOPMENT "COVENTRY CROSSING"
NEW LONDON TURNPIKE @ CROMPTON ROAD
TOWNS OF COVENTRY & EAST GREENWICH,
KENT COUNTY, RHODE ISLAND MATTHEW D. SMITH

TITLE: GRADING PLAN

SCALE: (H) AS SHOWN (V) NONE DATE: 04/02/07 SHEET No: 5 OF 13

DRAWN BY: JAY PROJECT No: W041025
CHECKED BY: JWR/MDS CAD ID: # W041025ss1

PROFESSIONAL ENGINEER
MASSACHUSETTS LICENSE No. 42644
RHODE ISLAND LICENSE No. 7266
CONNECTICUT LICENSE No. 21854
NEW HAMPSHIRE LICENSE No. 10280
MAINE LICENSE No. 9490

PROFESSIONAL ENGINEER
MASSACHUSETTS LICENSE No. 45466
RHODE ISLAND LICENSE No. 81145
CONNECTICUT LICENSE No. 21854
NEW HAMPSHIRE LICENSE No. 10280
MAINE LICENSE No. 9490

CONSTRUCTION CHECK DATE

ANY PERSON IS PROHIBITED FROM ALTERING ANYTHING ON THESE DRAWINGS AND/OR THE ACCOMPANYING SPECIFICATIONS, UNLESS IT IS UNDER THE WRITTEN DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OF THE FIRM. IN THE EVENT SUCH ALTERATIONS ARE MADE, THE PROFESSIONAL ENGINEER OF THE FIRM MUST SIGN, SEAL, DATE, AND DESCRIBE THE FULL EXTENT OF THE ALTERATION ON THE DRAWINGS AND/OR IN THE SPECIFICATIONS.

NEW LONDON TURNPIKE
(PUBLIC - VARIABLE WIDTH)

SALVAS AVE.

TOWN OF COVENTRY
TOWN OF EAST GREENWICH

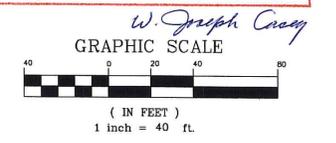
NOTES
1. POSSIBLE CONFLICT MAY EXIST WITH CONNECTION CONTRACTOR IS TO CONTACT ENGINEER IN WRITING IMMEDIATELY IF CONFLICT EXISTS.

UTILITY LEGEND

- EXISTING SANITARY LINE
- EXISTING DRAINAGE LINE
- G — EXISTING NATURAL GAS LINE
- OHW — EXISTING OVERHEAD WIRES
- W — EXISTING WATER LINE
- T — EXISTING TELEPHONE LINE
- E — EXISTING ELECTRIC LINE
- W — PROPOSED TEMPORARY WATER LINE
- E — PROPOSED TEMPORARY ELECTRIC LINE
- G — PROPOSED NATURAL GAS LINE
- OHW — PROPOSED OVERHEAD WIRES
- W — PROPOSED WATER LINE
- T — PROPOSED TELEPHONE LINE
- E — PROPOSED ELECTRIC LINE
- FM — PROPOSED FORCE MAIN
- — PROPOSED DRAINAGE LINE
- S — PROPOSED SANITARY LINE

Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED JUL 25 2007 FILE # 07-0557
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL.
APPROVED PLANS MUST BE AT CONSTRUCTION SITE.



NOTE:
THE PROPOSED PLANS CONFORMS TO APPLICABLE STANDARDS OF THE STATE OF RHODE ISLAND BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS AND BOARD OF REGISTRATION OF PROFESSIONAL SURVEYORS. THIS PLAN IS INTENDED FOR THE PURPOSES OF ACCOMPANYING A PRELIMINARY PLAN APPLICATION ONLY.

THIS PLAN TO BE UTILIZED FOR DRAINAGE PURPOSES ONLY

ANY PERSON IS PROHIBITED FROM ALTERING ANYTHING ON THESE DRAWINGS AND/OR THE ACCOMPANYING SPECIFICATIONS, UNLESS IT IS UNDER THE WRITTEN DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OF THE FIRM. IN THE EVENT SUCH ALTERATIONS ARE MADE, THE PROFESSIONAL ENGINEER OF THE FIRM MUST SIGN, SEAL, DATE, AND DESCRIBE THE FULL EXTENT OF THE ALTERATION ON THE DRAWINGS AND/OR IN THE SPECIFICATIONS.

PREPARED FOR:
APPLICANT: HECHT DEVELOPMENT
COMMERCIAL REAL ESTATE
30 MONUMENT SQUARE
SUITE 101
CONCORD, MA 01742

OWNER: EAGLE AMERICAN INVESTORS, L.L.C.
54 OLD NORTH ROAD
COVENTRY RI, 02816
RICK SANETTI
PHONE: (401)-823-5565

BOHLER ENGINEERING, P.C.
352 Turnpike Road
Southborough, MA 01772
508.480.9900
fax: 508.480.9080
www.bohlereng.com

CIVIL & CONSULTING ENGINEERS ■ PROJECT MANAGERS ■ ENVIRONMENTAL & SITE PLANNERS ■ MUNICIPAL ENGINEERS

Other Office Locations:
■ Chalfont, PA ■ Melville, NY ■ Sterling, VA ■ Warren, NJ ■ Towson, MD ■ Albany, NY

PROJECT: HECHT DEVELOPMENT
PROPOSED DEVELOPMENT "COVENTRY CROSSING"
NEW LONDON TURNPIKE @ CROMPTON ROAD
TOWNS OF COVENTRY & EAST GREENWICH,
KENT COUNTY, RHODE ISLAND

TITLE: DRAINAGE PLAN

SCALE: (H) AS SHOWN (V) NONE DATE: 04/02/07 SHEET No: 6 OF 13

DRAWN BY: JAY PROJECT No: WO41025
CHECKED BY: JWR/MDS CAD I.D. #: WO41025ss1

PROFESSIONAL ENGINEER
MASSACHUSETTS LICENSE No. 42644
RHODE ISLAND LICENSE No. 8145
CONNECTICUT LICENSE No. 21854
NEW HAMPSHIRE LICENSE No. 10280
MAINE LICENSE No. 9490

PROFESSIONAL ENGINEER
MASSACHUSETTS LICENSE No. 45486
RHODE ISLAND LICENSE No. 8145
CONNECTICUT LICENSE No. 21854
NEW HAMPSHIRE LICENSE No. 10280
MAINE LICENSE No. 9490

CONSTRUCTION CHECK DATE



REV.	DATE	COMMENT
1	04/17/07	ISSUE PER WEST HAMPDEN SUPER COMMISSION COMMENTS

NEW LONDON TURNPIKE
(PUBLIC - VARIABLE WIDTH)

SALVAS AVE.

UTILITY LEGEND

- EXISTING SANITARY LINE
- EXISTING DRAINAGE LINE
- G --- EXISTING NATURAL GAS LINE
- OHW --- EXISTING OVERHEAD WIRES
- W --- EXISTING WATER LINE
- T --- EXISTING TELEPHONE LINE
- E --- EXISTING ELECTRIC LINE
- W --- PROPOSED TEMPORARY WATER LINE
- E --- PROPOSED TEMPORARY ELECTRIC LINE
- G --- PROPOSED NATURAL GAS LINE
- OHW --- PROPOSED OVERHEAD WIRES
- W --- PROPOSED WATER LINE
- T --- PROPOSED TELEPHONE LINE
- E --- PROPOSED ELECTRIC LINE
- FM --- PROPOSED FORCE MAIN
- PROPOSED DRAINAGE LINE
- S --- PROPOSED SANITARY LINE

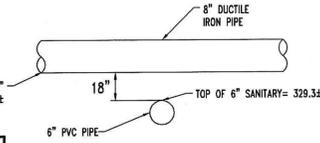
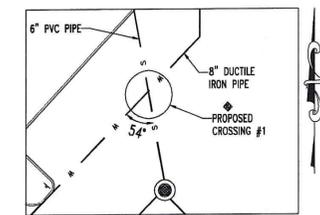
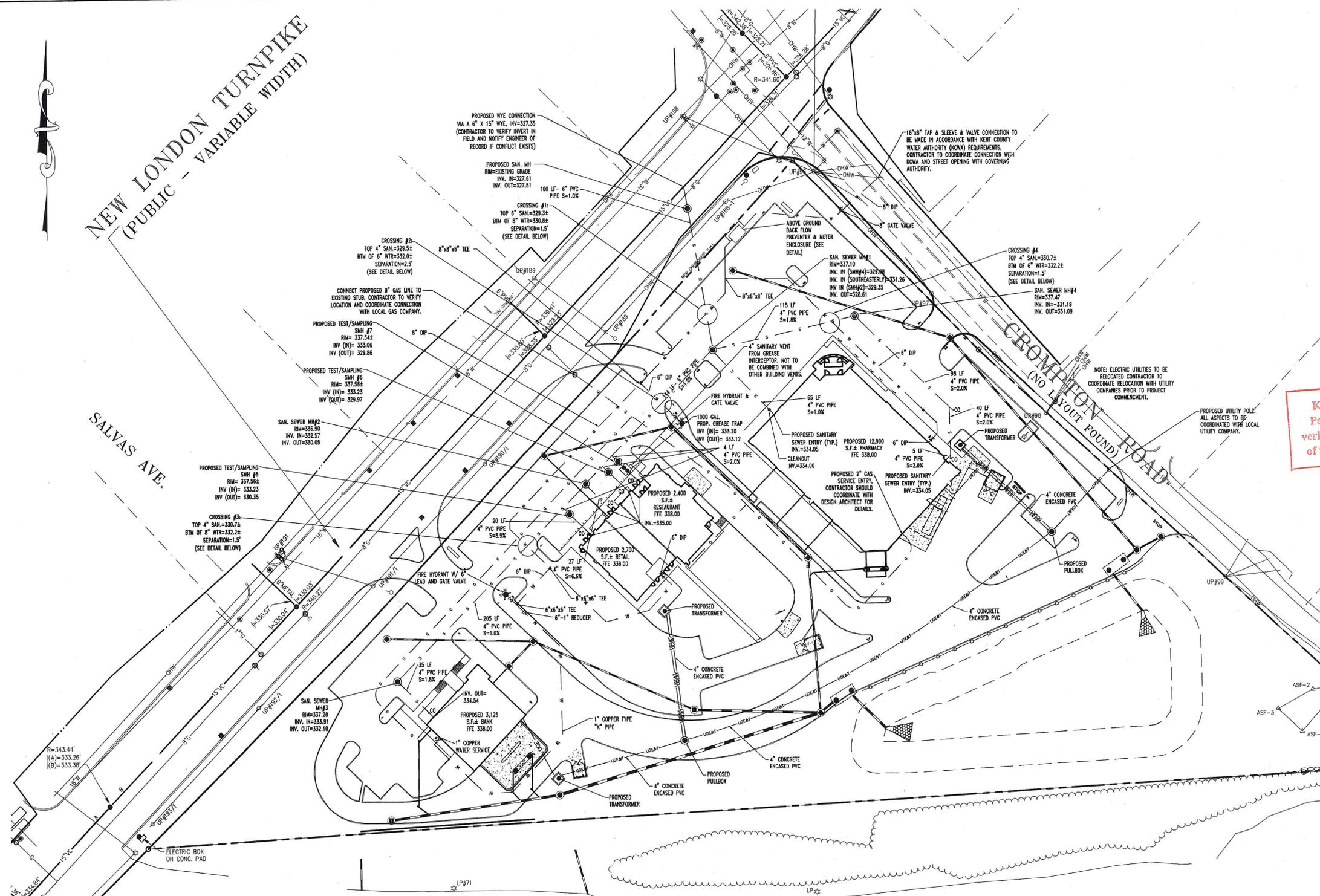
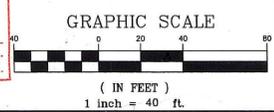
NOTE:
THE PROPOSED PLANS CONFORMS TO APPLICABLE STANDARDS OF THE STATE OF RHODE ISLAND BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS AND BOARD OF REGISTRATION FOR PROFESSIONAL SURVEYORS. THIS PLAN IS INTENDED FOR THE PURPOSES OF ACCOMPANYING A PRELIMINARY PLAN APPLICATION ONLY.

UTILITY NOTES

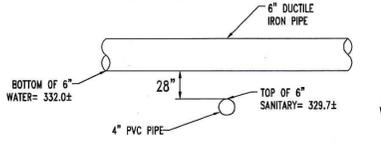
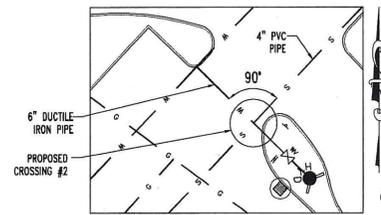
1. LOCATION OF ALL EXISTING AND PROPOSED SERVICES ARE APPROXIMATE AND MUST BE CONFIRMED INDEPENDENTLY BY LOCAL UTILITY COMPANIES PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION OR EXCAVATION. SANITARY SEWER AND ALL OTHER UTILITY SERVICE CONNECTION POINTS SHALL BE CONFIRMED INDEPENDENTLY BY THE CONTRACTOR IN FIELD PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. ALL DISCREPANCIES SHALL BE REPORTED IMMEDIATELY IN WRITING TO THE ENGINEER. CONSTRUCTION SHALL COMMENCE BEGINNING AT THE LOWEST INVERT (POINT OF CONNECTION) AND PROGRESS UP GRADIENT. PROPOSED INTERFACE POINTS (CROSSINGS) WITH EXISTING UNDERGROUND INSTALLATIONS SHALL BE FIELD VERIFIED BY TEST PRIOR TO COMMENCEMENT OF CONSTRUCTION.
2. ALL UTILITIES AND SERVICES INCLUDING BUT NOT LIMITED TO GAS, WATER, ELECTRIC, SANITARY AND STORM SEWER, TELEPHONE, CABLE, FIBER OPTIC CABLE, ETC. WITHIN THE LIMITS OF DISTURBANCE SHALL BE VERTICALLY AND HORIZONTALLY LOCATED. THE CONTRACTOR SHALL USE AND COMPLY WITH THE REQUIREMENTS OF THE APPLICABLE UTILITY NOTIFICATION SYSTEM TO LOCATE ALL THE UNDERGROUND UTILITIES. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRS OF DAMAGE TO ANY EXISTING UTILITIES DURING CONSTRUCTION AT NO COST TO THE OWNER.
3. THE CONTRACTOR SHALL FAMILIARIZE THEMSELVES WITH THE APPLICABLE UTILITY SERVICE PROVIDER REQUIREMENTS AND IS RESPONSIBLE FOR ALL COORDINATION REGARDING UTILITY DEMOLITION AS IDENTIFIED OR REQUIRED FOR PROJECT. THE CONTRACTOR SHALL PROVIDE THE OWNER WRITTEN NOTIFICATION THAT THE EXISTING UTILITIES AND SERVICES HAVE BEEN TERMINATED AND ABANDONED IN ACCORDANCE WITH JURISDICTION AND UTILITY COMPANY REQUIREMENTS.
4. CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF FINAL UTILITY PENETRATION LOCATIONS AND ELEVATIONS WITH THE ARCHITECTURAL PLANS INCLUDING CONNECTION LOCATIONS, GREASE TRAP REQUIREMENTS/DETAILS, DOOR ACCESS, AND EXTERIOR GRADING. THE UTILITY SERVICE SIZES ARE TO BE DETERMINED BY THE ARCHITECT. THE CONTRACTOR SHALL COORDINATE INSTALLATION OF UTILITIES/SERVICES WITH THE INDIVIDUAL COMPANIES, TO AVOID CONFLICTS AND ENSURE PROPER DEPTHS ARE ACHIEVED. THE JURISDICTION UTILITY REQUIREMENTS SHALL ALSO BE MET, AS WELL AS COORDINATING THE UTILITY TIE-IN/CONNECTIONS PRIOR TO CONNECTING TO THE EXISTING UTILITY SERVICE. WHERE CONFLICTS EXIST WITH THESE SITE PLANS, ENGINEER IS TO BE NOTIFIED PRIOR TO CONSTRUCTION TO RESOLVE SAME.
5. ALL NEW UTILITIES/SERVICES, INCLUDING ELECTRIC, TELEPHONE, CABLE TV, ETC. ARE TO BE INSTALLED UNDERGROUND. ALL NEW UTILITIES/SERVICES SHALL BE INSTALLED IN ACCORDANCE WITH THE UTILITY SERVICE PROVIDER INSTALLATION SPECIFICATIONS AND STANDARDS.
6. THE DEVELOPER SHALL PROVIDE TWO (2) 5" SCHEDULE 40 PVC CONDUITS WITH PULL STRINGS TO WITHIN 5' OF BUILDING (COORDINATE DUCT SIZE WITH THE BUILDING COMPANY) FOR HECHT DEVELOPMENT'S GC TO INSTALL THE WIRES FOR THE SECONDARY ELECTRIC SERVICE AND THREE (3) 3" SCHEDULE 40 PVC CONDUITS WITH PULL STRINGS TO WITHIN 5' OF BUILDING FOR HECHT DEVELOPMENT'S GC TO INSTALL THE TELEPHONE, CABLE TV AND FIRE ALARM SERVICES.
7. THE CONCRETE TRANSFORMER PAD SHALL BE CONSTRUCTED BY THE DEVELOPER'S CONTRACTOR. PAD SHALL BE CONSTRUCTED IN ACCORDANCE WITH UNITED ILLUMINATING STANDARDS AND SHALL BE COORDINATED WITH THE UTILITY CONTRACT LISTED ON THE COVER SHEET. PAD SHALL BE SIZED AND CONSTRUCTED TO ACCOMMODATE THE FOLLOWING ELECTRICAL CRITERIA: 800 AMP, 120/208V, 3 PHASE, 4 WIRE CONNECTED ELECTRICAL LOAD.

Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site.

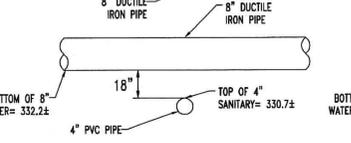
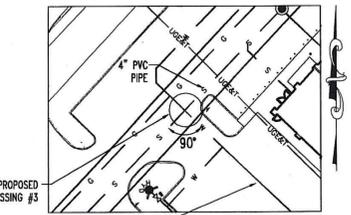
DEPARTMENT OF ENVIRONMENTAL & PLANNING
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATE: JUL 25 2007 FILE # 07-0957
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE.



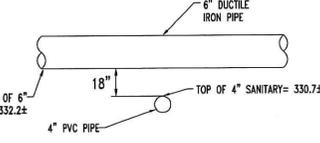
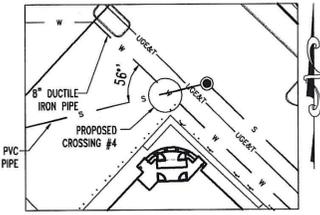
CROSSING DETAIL #1
N.T.S.



CROSSING DETAIL #2
N.T.S.



CROSSING DETAIL #3
N.T.S.



CROSSING DETAIL #4
N.T.S.

ANY PERSON IS PROHIBITED FROM ALTERING ANYTHING ON THESE DRAWINGS AND/OR THE ACCOMPANYING SPECIFICATIONS, UNLESS IT IS UNDER THE WRITTEN DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OF THE FIRM. IN THE EVENT SUCH ALTERATIONS ARE MADE, THE PROFESSIONAL ENGINEER OF THE FIRM MUST SIGN, SEAL, DATE, AND DESCRIBE THE FULL EXTENT OF THE ALTERATION ON THE DRAWINGS AND/OR IN THE SPECIFICATIONS.

PREPARED FOR:
APPLICANT: HECHT DEVELOPMENT
COMMERCIAL REAL ESTATE
30 MONUMENT SQUARE
SUITE 101
CONCORD, MA 01742

OWNER: EAGLE AMERICAN INVESTORS, L.L.C.
54 OLD NORTH ROAD
COVENTRY RI, 02816
RICK SANETTI
PHONE: (401)-823-5665

BOHLER ENGINEERING, P.C.

CIVIL & CONSULTING ENGINEERS ■ ENVIRONMENTAL & SITE PLANNERS ■ MUNICIPAL ENGINEERS

Other Office Locations: ■ Chalfont, PA ■ Methuen, MA ■ Sterling, VA ■ Warren, NJ ■ Towson, MD ■ Albany, NY

PROJECT: **HECHT DEVELOPMENT**
PROPOSED DEVELOPMENT @ CROMPTON ROAD
NEW LONDON TURNPIKE @ CROMPTON ROAD
TOWNS OF COVENTRY & KENT COUNTY, RHODE ISLAND

TITLE: **UTILITY PLAN**

SCALE: (H) AS SHOWN (V) NONE DATE: 04/02/07 SHEET No: 7

DRAWN BY: JAY PROJECT No: W0410225 OF 13

CHECKED BY: JWR/MDS CAD ID #: W041025581 REV. No: 1

CONSTRUCTION CHECK DATE





KEY	QTY	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS
SHADE TREE					
AORG	1	ACER RUBRUM 'OCTOBER GLORY'	OCTOBER GLORY RED MAPLE	2 1/2-3" CAL.	B#B
FPS	14	FRAXINUS PENNSYLVANICA 'SUMMIT'	SUMMIT GREEN ASH	2 1/2-3" CAL.	B#B
GTIS	19	GLEDITSIA TRICANTHOS VAR. 'INTERNAS 'SHADBLASTER'	SHADBLASTER HONEYLOCUST	2 1/2-3" CAL.	B#B
LSR	1	LIQUIDAMBAR STYRACIUA 'ROTUNDFLOBA'	SEEDLESS SWEETGUM	2 1/2-3" CAL.	B#B
OP	2	QUERCUS PALustris	PIN OAK	2 1/2-3" CAL.	B#B
ZS	3	ZELKOVA SERBATA 'GREEN VASE'	GREEN VASE ZELKOVA	2 1/2-3" CAL.	B#B
ORNAMENTAL TREE					
BP	2	BETULA PENDULA	EUROPEAN WHITE BIRCH	12-14'	B#B
CK	12	CORNUS KOUSA	KOUSA DOGWOOD	8-10'	B#B
MS	1	MALUS SARGENTI	SARGENT CRABAPPLE	2-2 1/2' CAL.	B#B
EVERGREEN TREE					
PP	3	PICEA PUNGENS	COLORADO SPRUCE	6-7'	B#B
PPG	10	PICEA PUNGENS GLAUCA	COLORADO BLUE SPRUCE	7-8'	B#B
PS	18	PINUS STROBUS	EASTERN WHITE PINE	6-7'	B#B
EVERGREEN SHRUB					
ICC	12	ILEX CREMATA 'COMPACTA'	COMPACT JAPANESE HOLLY	24-30"	#3 CAN
ICC	85	ILEX GLABRA COMPACTA	DWARF INKBERY HOLLY	24-30"	#5 CAN
JHP	63	JUNIPERUS HORIZONTALIS PLUMOSA	ANDORRA JUNIPER	15-18" SPDR.	#3 CAN
PJMF	12	PIERIS JAPONICA 'MOUNTAIN FIRE'	MOUNTAIN FIRE JAPANESE ANDROMEDA	30-36"	B#B
RNZ	10	RHOODOENDRON CATAWBIENSE 'NOVA ZEMBLA'	NOVA ZEMBLA RHOODOENDRON	30-36"	B#B
RCRE	18	RHOODOENDRON CATAWBIENSE 'ROSEUM ELEGANS'	ROSEUM ELEGANS RHOODOENDRON	36-42"	B#B
RQVW	5	RHOODOENDRON X KURUME 'DELAWARE VALLEY WHITE'	DELAWARE VALLEY WHITE AZALEA	18-24"	#3 CAN
RQHC	10	RHOODOENDRON X GUTTOSUM 'HINO CRIMSON'	HINO CRIMSON AZALEA	18-24"	#3 CAN
RPJM	40	RHOODOENDRON CAROLINIANA X PJM	PJM RHOODOENDRON	24-30"	B#B
TCC	7	TAXUS CUSPIDATA 'CAPITATA'	CAP YEW	30-36"	B#B
TH	33	TAXUS MEDIA 'HICKSII'	HICKS YEW	30-36"	B#B
TOT	25	THUJA OCCIDENTALIS 'TECHNY'	TECHNY ARBORVITAE	5-6'	B#B
DECIDUOUS SHRUB					
HSR	2	HIBISCUS SYRIACUS 'APRODITE'	PINK ROSE OF SHARON	3-4'	B#B
PFA	26	POTENTILLA FRUTICOSA 'ABBOTSWOOD'	ABBOTSWOOD CINQUEFOIL	18-24"	#3 CAN
SBW	17	SPIREA X BIMALDA 'ANTHONY WATERER'	ANTHONY WATERER SPIREA	18-24"	#3 CAN
SDG	14	SPIREA X BIMALDA 'GOLDFLAME'	GOLD FLAME SPIREA	15-18"	#3 CAN
	58				

NOTE: IF ANY DISCREPANCIES OCCUR BETWEEN AMOUNTS SHOWN IN THE PLAN AND THE PLANT LIST, THE PLAN SHALL OBTAIN.

Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site.

COVENTRY REQUIREMENTS	E. GREENWICH REQUIREMENTS
LANDSCAPING REQUIRED 1 TREE PER 35 LF, 5 SHRUBS PER 35 LF AND 1 TREE PER 40' AROUND PARKING. REQUIRED = 28 TREES PROVIDED = 49 TREES REQUIRED = 130 SHRUBS PROVIDED = 307 SHRUBS	LANDSCAPING REQUIRED 1 TREE PER 15 STALLS AND PER 2,000 SF PAVEMENT (27/15= 2)+(27197/2000= 13.59 OR 14) REQUIRED = 16 TREES PROVIDED = 25 TREES

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED JUL 25 2007 FILE # 07-0251
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE.

NOTE:
THE PROPOSED PLANS CONFORMS TO APPLICABLE STANDARDS OF THE STATE OF RHODE ISLAND BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS AND BOARD OF REGISTRATION OF PROFESSIONAL SURVEYORS. THIS PLAN IS INTENDED FOR THE PURPOSES OF ACCOMPANYING A PRELIMINARY PLAN APPLICATION ONLY.

TOWN OF COVENTRY
TOWN OF EAST GREENWICH

THIS PLAN TO BE UTILIZED FOR LANDSCAPING PURPOSES ONLY

REFERENCE DETAIL SHEET FOR PLANTING NOTES, SPECIFICATIONS, AND DETAILS

PREPARED FOR:
APPLICANT: HECHT DEVELOPMENT
 COMMERCIAL REAL ESTATE
 30 MONUMENT SQUARE
 SUITE 101
 CONCORD, MA 01742
OWNER: EAGLE AMERICAN INVESTORS, L.L.C.
 54 OLD NORTH ROAD
 COVENTRY RI, 02816
 RICK SANETTI
 PHONE: (401)-823-5565

GRAPHIC SCALE
 0 20 40
 (IN FEET)
 1 inch = 40 ft.

BOHLER ENGINEERING, P.C.
 CIVIL & CONSULTING ENGINEERS ■ PROJECT MANAGERS ■ ENVIRONMENTAL & SITE PLANNERS ■ MUNICIPAL ENGINEERS
 ■ Chalfont, PA ■ Melville, NY ■ Sterling, VA ■ Warren, NJ ■ Towson, MD ■ Albany, NY

PROJECT: HECHT DEVELOPMENT
 PROPOSED DEVELOPMENT "COVENTRY CROSSING"
 NEW LONDON TURNPIKE @ CROMPTON ROAD
 TOWNS OF COVENTRY & KENT COUNTY, RHODE ISLAND

TITLE: LANDSCAPE PLAN

SCALE: (H) AS SHOWN (V) NONE
DATE: 04/02/07
SHEET No: 8 OF 13
REV. No: 1

W.D. GOEBEL
 PROFESSIONAL ENGINEER
 MASSACHUSETTS LICENSE No. 42644
 RHODE ISLAND LICENSE No. 7288
 CONNECTICUT LICENSE No. 21854
 NEW HAMPSHIRE LICENSE No. 10280
 MAINE LICENSE No. 9490

M.D. SMITH
 PROFESSIONAL ENGINEER
 MASSACHUSETTS LICENSE No. 8145
 RHODE ISLAND LICENSE No. 2567
 CONNECTICUT LICENSE No. 2567
 PROFESSIONAL ENGINEER
 CIVIL

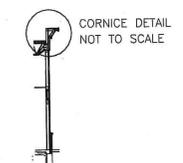
352 Turnpike Road
 Southborough, MA 01772
 508-480-9900
 fax: 508-480-9080
 www.bohlereng.com

I:\General\Hecht\RT\Coventry\dwg\W041025s81.dwg, 08-LANDSCAPE, 5/31/2007 10:22:36 AM, diaibontz, 1:1



* HUBBELL IS NOT RESPONSIBLE FOR THE PERFORMANCE OF LUMINAIRES MANUFACTURED BY OTHERS.

Symbol	Qty	Label	File Name	Arrangement	Lumens	LF	Description
[Symbol]	3	A2	L8632CR1.lvs	ROTATED OPTICS	36000	0.750	QTY 2 CR1-H40-H4, ROTATED OPTICS (Hubbell Lighting)
[Symbol]	2	A	L8632CR1.lvs	SINGLE	36000	0.750	CR1-H40-H4 (Hubbell Lighting)
[Symbol]	3	B2-RD	L8616CR1.lvs	ROTATED OPTICS	36000	0.750	QTY 2 CR1-H40-H3-H6, ROTATED OPTICS (Hubbell Lighting)
[Symbol]	7	B2	L8616CR1.lvs	BACK-BACK	36000	0.750	QTY 2 CR1-H40-H3 (Hubbell Lighting)
[Symbol]	3	B	L8616CR1.lvs	SINGLE	36000	0.750	CR1-H40-H3-H6 (Hubbell Lighting)
[Symbol]	4	C2	L8641CR1.lvs	ROTATED OPTICS	36000	0.750	QTY 2 CR1-H40-H4-H6, ROTATED OPTICS (Hubbell Lighting)
[Symbol]	2	C	L8641CR1.lvs	SINGLE	36000	0.750	CR1-H40-H4-H6 (Hubbell Lighting)
[Symbol]	6	OB1	M5336-760-1131P-M5230C.lvs	SINGLE	20500	0.800	M5336-760-1131P
[Symbol]	20	OD	N/A	GROUP	N/A	0.600	QTY 2 SN-232
[Symbol]	2	OE	SN232.lvs	SINGLE	2800	0.600	SN-232
[Symbol]	3	WP1	APK-1 14-250M4IES	SINGLE	20500	0.750	APK-200-M-5-07



Label	Description	Avg	Max	Min	Aug/Min	Min/Min
C/S Parking & Drive	1 ft minimum	6.12	26.6	1.0	6.12	26.60
50' Radius	1.5 FC MINIMUM	5.33	15.9	1.5	3.55	12.60
All Parking and Drive	1 ft minimum	5.51	26.6	1.0	5.51	26.60

Label	Color	Units	Avg	Max	Min	Aug/Min	Min/Min
ColPs	Ruminate	Fc	2.85	26.6	0.0	N/A	N/A

* Z COORDINATES DENOTES MOUNTING HEIGHT

Label	X	Y	Z	Dist	HS
1	A	2752	2250	25	0
2	A	2663	2250	25	0
3	A	87	-27120	18	0
4	A	100	-28826	18	0
5	A2	80.1	89.2	23	0
6	A2	80.1	166.7	23	0
7	A2	228.8	-71.26	23	294.228
8	B	212	-2029	23	270
9	B	253.5	-31.25	23	0
10	B	141	-302.79	18	307.679
11	B	87.5	-322	18	270
12	B	54.8	71.4	23	270
13	B	148.26	48	23	270
14	B	220.25	-71	18	188.801
15	B	224	-153.28	18	128.009
16	B	200.3	162.1	23	270
17	B	216.8	237.6	23	646.616
18	B	81.26	-180.26	23	0
19	B	188.75	-118.5	23	0
20	B	287.2	245.1	23	270
21	B	285	193	23	188.268
22	B	248.8	270.6	23	646.616
23	C	25	-180.26	23	80
24	C	32	-280.26	18	0
25	C	213.8	-226.26	18	180
26	C2	198.9	249	23	270
27	C2	248.8	270.6	23	646.616
28	C2	242.6	-26.76	23	0
29	C2	35	-230.6	23	0
30	OB1	286.2	70.6	14.5	216
31	OB1	280.8	74.6	14.5	216
32	OB1	276.2	78.7	14.5	216
33	OB1	282.9	82.7	14.5	216
34	OB1	278.5	82.7	14.5	216
35	OB1	282.9	78.7	14.5	216
36	OB1	280.8	82.7	14.5	216
37	OB1	276.2	74.6	14.5	216
38	OB1	282.2	74.6	14.5	216
39	OB1	281.2	74.6	14.5	216
40	OB1	283.2	74.6	14.5	216
41	OB1	280.2	74.6	14.5	216
42	OB1	282.2	74.6	14.5	216
43	OB1	282.2	74.6	14.5	216
44	OB1	281.6	74.6	14.5	216
45	OB1	282.2	74.6	14.5	216
46	OB1	282.2	74.6	14.5	216
47	OB1	282.2	74.6	14.5	216
48	OB1	282.2	74.6	14.5	216
49	OB1	282.2	74.6	14.5	216
50	OB1	282.2	74.6	14.5	216
51	OB1	282.2	74.6	14.5	216
52	OB1	282.2	74.6	14.5	216
53	OB1	282.2	74.6	14.5	216
54	OB1	282.2	74.6	14.5	216
55	OB1	282.2	74.6	14.5	216
56	OB1	282.2	74.6	14.5	216
57	OB1	282.2	74.6	14.5	216
58	OB1	282.2	74.6	14.5	216
59	OB1	282.2	74.6	14.5	216
60	OB1	282.2	74.6	14.5	216

Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED JUL 2 5 2007 FILE # 07-0057
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE.

W. Joseph Casey

NOTE:

THE PROPOSED PLANS CONFORMS TO APPLICABLE STANDARDS OF THE STATE OF RHODE ISLAND BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS AND BOARD OF REGISTRATION OF PROFESSIONAL SURVEYORS. THIS PLAN IS INTENDED FOR THE PURPOSES OF ACCOMPANYING A PRELIMINARY PLAN APPLICATION ONLY.

THIS PLAN TO BE UTILIZED FOR LIGHTING PURPOSES ONLY

ANY PERSON IS PROHIBITED FROM ALTERING ANYTHING ON THESE DRAWINGS AND/OR THE ACCOMPANYING SPECIFICATIONS, UNLESS IT IS UNDER THE WRITTEN DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OF THE FIRM. IN THE EVENT SUCH ALTERATIONS ARE MADE, THE PROFESSIONAL ENGINEER OF THE FIRM MUST SIGN, SEAL, DATE, AND DESCRIBE THE FULL EXTENT OF THE ALTERATION ON THE DRAWINGS AND/OR IN THE SPECIFICATIONS.

NOTES

- THIS LIGHTING DESIGN IS BASED ON LIMITED INFORMATION SUPPLIED BY OTHERS TO HUBBELL LIGHTING. SITE DETAILS PROVIDED HEREON ARE REPRODUCED ONLY AS A VISUALIZATION AID. FIELD DEVIATIONS MAY SIGNIFICANTLY AFFECT PREDICTED PERFORMANCE. PRIOR TO INSTALLATION, CRITICAL SITE INFORMATION (POLE LOCATIONS, ORIENTATION, MOUNTING HEIGHT, ETC.) SHOULD BE COORDINATED WITH THE CONTRACTOR AND/OR SPECIFIER RESPONSIBLE FOR THE PROJECT.
- LUMINAIRE DATA IS TESTED TO INDUSTRY STANDARDS UNDER LABORATORY CONDITIONS. OPERATING VOLTAGE AND NORMAL MANUFACTURING TOLERANCES OF LAMP, BALLAST, AND LUMINAIRE MAY AFFECT FIELD RESULTS.
- CONFORMANCE TO FACILITY CODE AND OTHER LOCAL REQUIREMENTS IS THE RESPONSIBILITY OF THE OWNER AND/OR THE OWNER'S REPRESENTATIVE.
- THIS PLAN REFERENCES INFORMATION FROM HUBBELL LIGHTING & A PLAN ENTITLED "STORE #652 GREENWICH, RI" SCALE 1"=50' RECEIVED 05-07-07
- THE MAXIMUM MOUNTING HEIGHT IS 25' REFER TO TABLE FOR INDIVIDUAL MOUNTING HEIGHTS.

NOTE: THIS LIGHTING PLAN ILLUSTRATES ILLUMINATION LEVELS CALCULATED FROM LABORATORY DATA TAKEN UNDER CONTROLLED CONDITIONS IN ACCORDANCE WITH ILLUMINATING ENGINEERING SOCIETY OF NORTH AMERICA (IESNA) APPROVED METHODS. ACTUAL SITE ILLUMINATION LEVELS AND PERFORMANCE OF LUMINAIRES MAY VARY DUE TO VARIATION IN WEATHER, ELECTRICAL VOLTAGE, TOLERANCE IN LAMPS, AND OTHER VARIABLE FIELD CONDITIONS. INFORMATION PROVIDED IS THEREFORE APPROXIMATE.

PREPARED FOR:
 APPLICANT: HECHT DEVELOPMENT COMMERCIAL REAL ESTATE 30 MONUMENT SQUARE SUITE 101 CONCORD, MA 01742
 OWNER: EAGLE AMERICAN INVESTORS, L.L.C. 54 OLD NORTH ROAD COVENTRY RI, 02816 RICK SANETTI PHONE: (401)-823-5565

BOHLER ENGINEERING, P.C.
 CIVIL & CONSULTING ENGINEERS ■ PROJECT MANAGERS ■ ENVIRONMENTAL & SITE PLANNERS ■ MUNICIPAL ENGINEERS
 Other Office Locations: ■ Chalfont, PA ■ Melville, NY ■ Sterling, VA ■ Warren, NJ ■ Towson, MD ■ Albany, NY

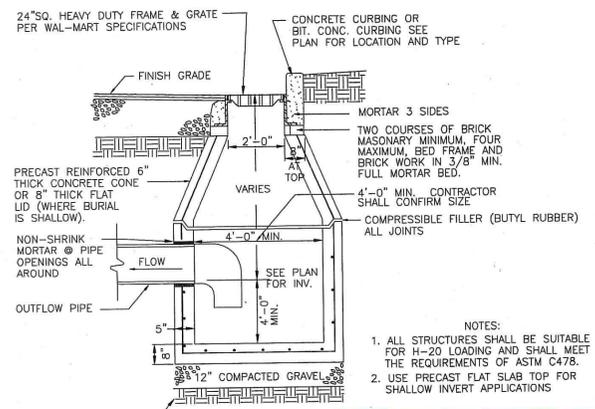
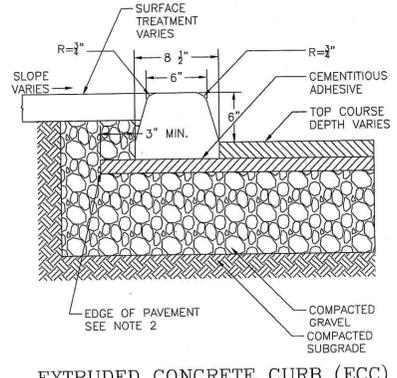
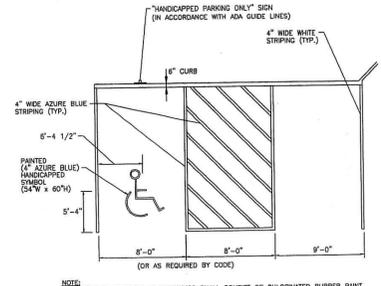
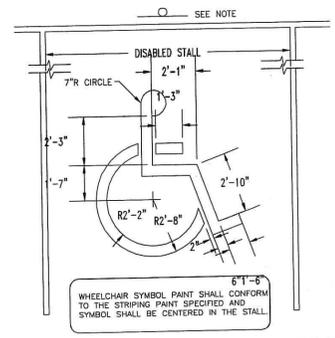
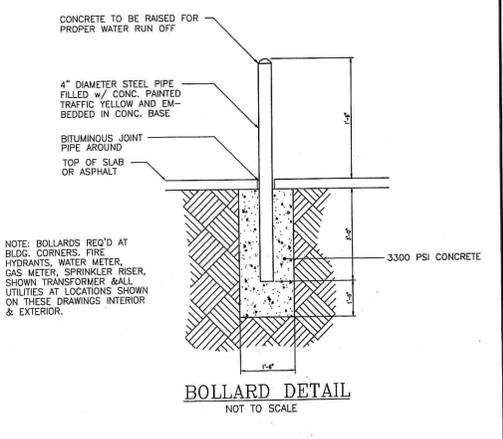
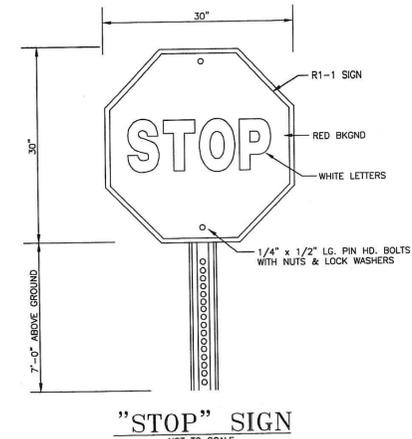
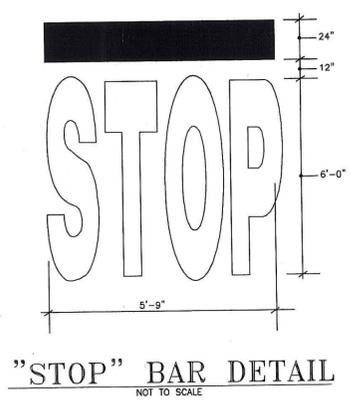
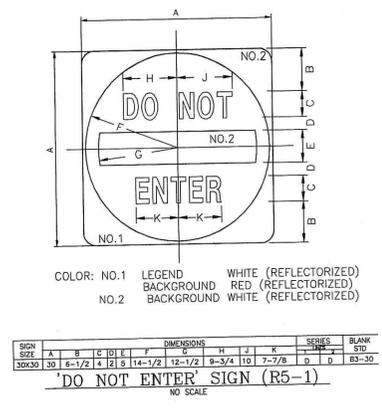
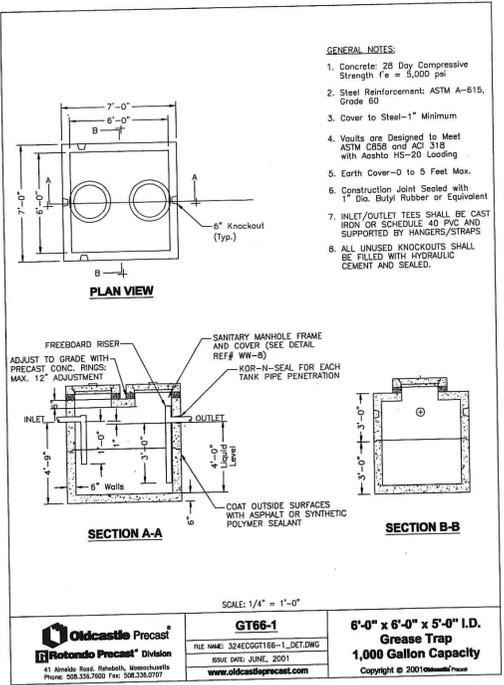
PROJECT: HECHT DEVELOPMENT PROPOSED DEVELOPMENT "COVENTRY CROSSING" NEW LONDON TURNPIKE @ CROMPTON ROAD TOWNS OF COVENTRY & EAST GREENWICH KENT COUNTY, RHODE ISLAND

TITLE: LIGHTING PLAN

SCALE: (H) AS SHOWN (V) NONE DATE: 04/02/07 SHEET No: 9 OF 13

DRAWN BY: JAY PROJECT No: WO41025
 CHECKED BY: JWR/MDS CAD FILE: WO41025s1

CONSTRUCTION CHECK DATE 1



DISABLED PARKING SPACE PAINTING DETAIL
 NOT TO SCALE

- 12'x18', 5' TO BOTTOM OF SYMBOL
- LOCATED SO THAT IT CANNOT BE OBTAINED BY A CAR PARKED IN THE SPACE. (2' BEHIND CURB OR 2' BEHIND WALK, AS APPLICABLE)
- CONFORM TO LOCAL CODES

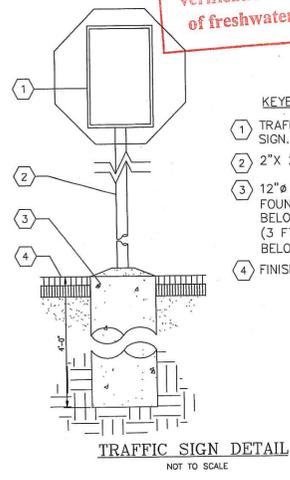
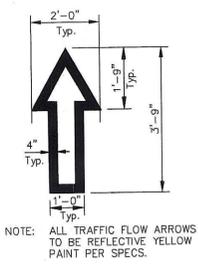
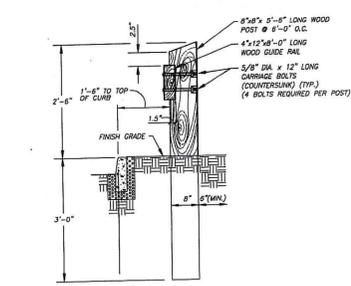
HANDICAPPED STALL MARKING & PARKING LOT STRIPING DETAIL
 NOT TO SCALE

- NOTES:
- ECC REFERS TO EXTRUDED CONCRETE CURB WHICH IS CAST-IN-PLACE IN THE FIELD.
 - WHEN ECC IS USED, CONTRACTOR IS TO DETERMINE THE EXTENDED LAYOUT DIMENSION OF THE BASE COURSE IN ORDER TO ACCOMMODATE PLACEMENT OF THE ECC.

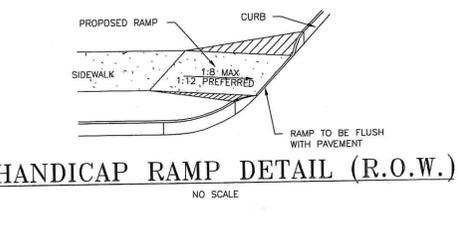
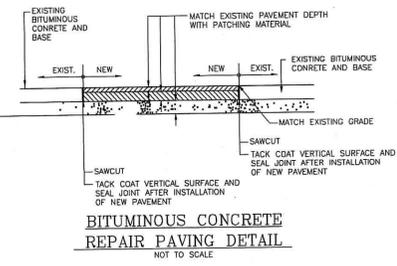
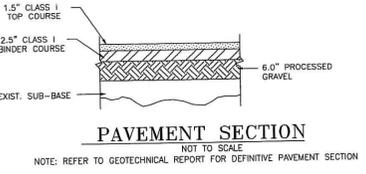
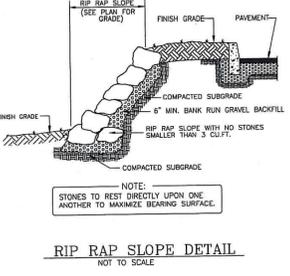
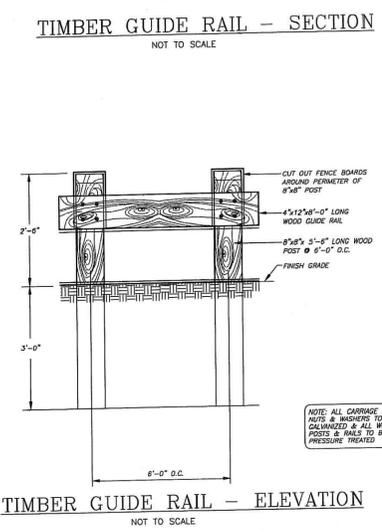
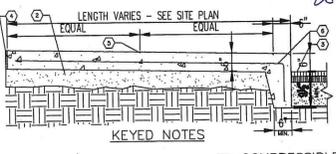
Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED JUL 25 2007 FILE # 07-0057
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE.

W. Joseph Conroy



- KEYED NOTES:
- TRAFFIC DIRECTIONAL SIGN.
 - 2" x 2" STEEL TUBE
 - 12" x 12" CONCRETE FOUNDATION 6" BELOW FROST LINE (3 FT. MINIMUM BELOW FIN. GRADE).
 - FINISHED GRADE.
 - COMPRESSIBLE FILLER (3/4" MAXIMUM). CUT BACK AND PROVIDE SEALANT, TYPICAL, AT ALL JOINTS WITH FILLER.
 - 1/4" TOoled JOINT
 - 6" x 6" #10 W.W.F.



PREPARED FOR:

APPLICANT: HECHT DEVELOPMENT
 COMMERCIAL REAL ESTATE
 30 MONUMENT SQUARE
 SUITE 101
 CONCORD, MA 01742

OWNER: EAGLE AMERICAN INVESTORS, L.L.C.
 54 OLD NORTH ROAD
 COVENTRY RI, 02816
 RICK SANETTI
 PHONE: (401)-823-5565

BOHLER ENGINEERING, P.C.
 CIVIL & CONSULTING ENGINEERS ■ PROJECT MANAGERS ■ ENVIRONMENTAL & SITE PLANNERS ■ MUNICIPAL ENGINEERS

Other Office Locations:
 ■ Chaffont, PA ■ Melville, NY ■ Sterling, VA ■ Warren, NJ ■ Towson, MD ■ Albany, NY

PROJECT: HECHT DEVELOPMENT
 PROPOSED DEVELOPMENT "COVENTRY CROSSING"
 NEW LONDON TURNPIKE @ CROMPTON ROAD
 TOWNS OF COVENTRY & EAST GREENWICH
 KENT COUNTY, RHODE ISLAND

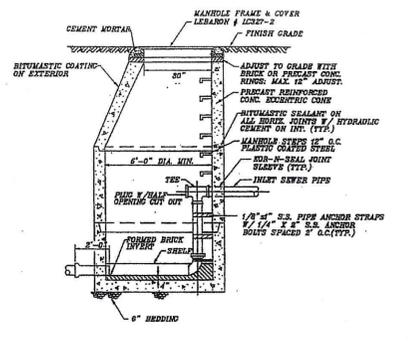
TITLE: CONSTRUCTION DETAILS

SCALE: (H) AS SHOWN (V) NONE DATE: 04/02/07 SHEET No: 10 OF 13

W.D. GOEBEL
 PROFESSIONAL ENGINEER
 MASSACHUSETTS LICENSE No. 42644
 RHODE ISLAND LICENSE No. 7288
 CONNECTICUT LICENSE No. 21884
 NEW HAMPSHIRE LICENSE No. 10280
 MAINE LICENSE No. 8490

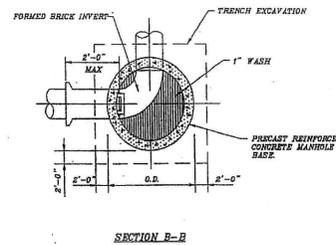
MATTHEW D. SMITH
 PROFESSIONAL ENGINEER
 MASSACHUSETTS LICENSE No. 45498
 RHODE ISLAND LICENSE No. 8143
 CONNECTICUT LICENSE No. 4567
 PROFESSIONAL ENGINEER CIVIL

RECEIVED
 MAY 31 2007
 CIVIL ENGINEERING

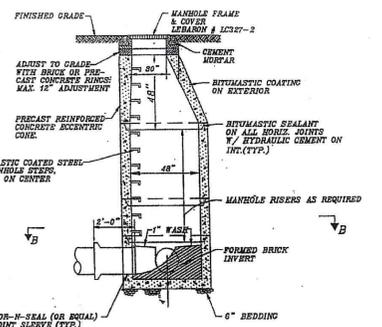


NOTE:
1. ALL LIFTING HOLES TO BE PLUGGED IN AND OUT WITH HYDRAULIC CEMENT.
2. DROP PIPE SHALL BE PVC AND SAME SIZE AS INLET SEWER.

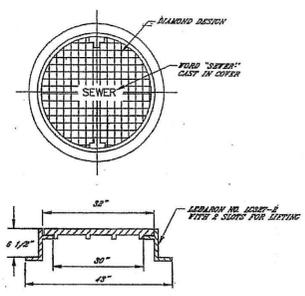
INSIDE DROP SANITARY MANHOLE



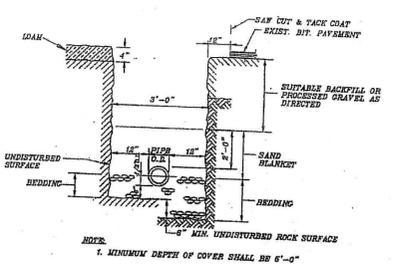
PRECAST MANHOLE DETAIL



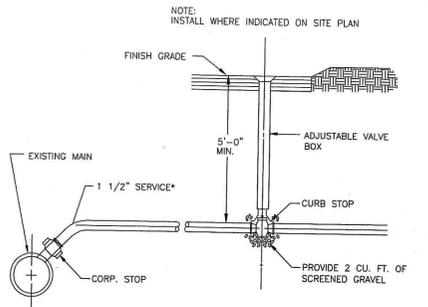
SANITARY MANHOLE DETAIL



SANITARY MANHOLE FRAME & COVER DETAIL



TRENCH DETAIL



SERVICE CONNECTION DETAIL

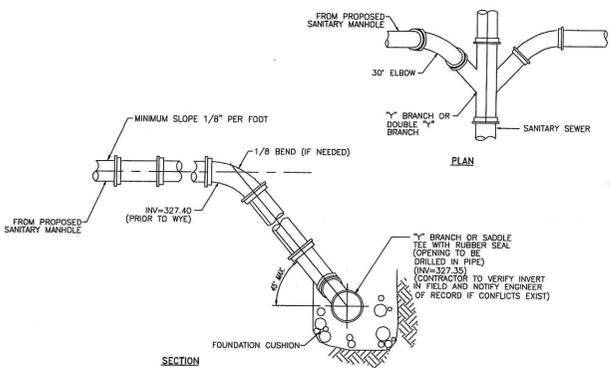
TRAVASSO-GEREMIA & ASSOCIATES, INC.
1125 STATE ST. SUITE 200
CONCORD, MA 01742

TRAVASSO-GEREMIA & ASSOCIATES, INC.
1125 STATE ST. SUITE 200
CONCORD, MA 01742

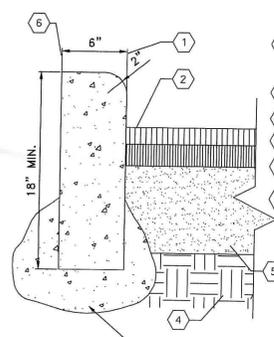
TRAVASSO-GEREMIA & ASSOCIATES, INC.
1125 STATE ST. SUITE 200
CONCORD, MA 01742

TRAVASSO-GEREMIA & ASSOCIATES, INC.
1125 STATE ST. SUITE 200
CONCORD, MA 01742

TRAVASSO-GEREMIA & ASSOCIATES, INC.
1125 STATE ST. SUITE 200
CONCORD, MA 01742



STANDARD SANITARY CONNECTION DETAIL



PRECAST CONCRETE CURB DETAIL

- KEYED NOTES
- LINE OF FACE OF CURB (CURB GRADE SHOWN ON PLAN).
 - PAVEMENT AT GRADE SHOWN ON PLAN.
 - N/A.
 - PREPARED SUB-GRADE.
 - STONE BASE.
 - LINE FOR BACK OF CURB.

NOTES: A CURB RAMP(S) MUST BE PROVIDED ALONG AN ACCESSIBLE PATH FROM THE PARKING LOT TO WALKWAYS CURBED SIDEWALK.

A CURB RAMP(S) MUST ALSO BE PROVIDED IN THE PARKING LOT AT ALL INTERMEDIATE AND PERIMETER CURBS ALONG THE ACCESSIBLE ROUTE CONNECTING TO PUBLIC SIDEWALKS.

A RAMP IS ANY SLOPE GREATER THAN 1:20 (5%) AND SHALL HAVE A MAXIMUM SLOPE OF 1:12 (8.33%). THE MAXIMUM SLOPE IS 1" OF RISE PER FOOT OF DISTANCE TRAVELED. ALL SLOPED AREAS OF THE RAMP ARE TO HAVE AN INTEGRAL RED COLOR.

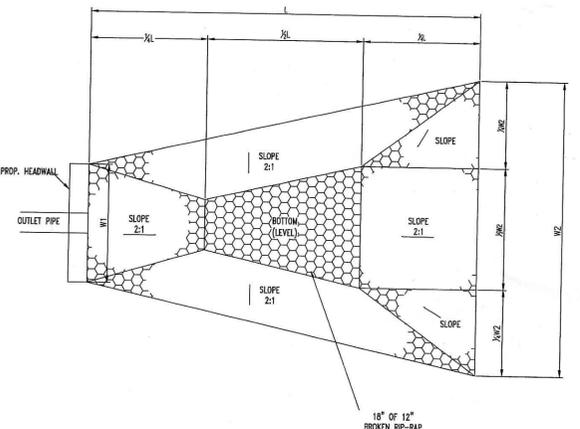
THE CLEAR WIDTH OF ANY RAMP IS A MINIMUM OF 36".

CURB RAMP(S) HAVE A MAXIMUM RISE OF 6" AND DO NOT REQUIRE HANDRAILS. ANY RAMP WITH GREATER THAN A 6" RISE SHALL HAVE HANDRAILS ON BOTH SIDES AND CURBED EDGE PROTECTION ON BOTH SIDES. EDGE PROTECTION CONSISTS OF CURBS, WALLS, RAILINGS, OR PROJECTING SURFACES THAT PREVENT PEOPLE FROM SLIPPING OFF THE RAMP. HANDRAIL DETAILS SHALL FOLLOW ACCESSIBILITY GUIDELINES.

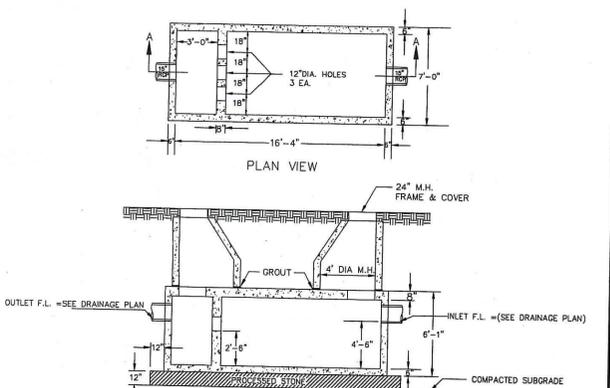
CURB RAMP(S) MUST HAVE A DETECTABLE WARNING FEATURE EXTENDING THE FULL WIDTH AND DEPTH OF THE RAMP. THE DETECTABLE SURFACE MUST CONSIST OF RAISED TRUNCATED DOMES WITH A DIAMETER OF NOMINAL 0.9 INCHES, A HEIGHT OF NOMINAL 0.2 INCHES AND A CENTER-TO-CENTER SPACING OF NOMINAL 2.35 INCHES. THE TEXTURE OF THE DETECTABLE WARNING FEATURE MUST CONTRAST WITH THE SURROUNDING SURFACES (EITHER LIGHT-ON-DARK OR DARK-ON-LIGHT). SEE ABOVE.

LOCAL JURISDICTION THERE ARE LOCAL JURISDICTIONS (e.g. ILLINOIS, IAC 400.310.d, 7) THAT SPECIFICALLY REQUIRE DETECTABLE WARNINGS ON THE SIDE FLARES. THERE ARE LOCAL JURISDICTIONS THAT HAVE REDEFINED DETECTABLE WARNINGS (e.g. EXPOSED CONTRASTING COLOR AGGREGATE, GROOVES IN A PARALLEL OR DIAMOND PATTERN ETC.). ACCESSIBILITY GUIDELINES DEFINED BY LOCAL ORDINANCE SHOULD SUPERSEDE IN THE ABSENCE OF A DEFINITION, FOLLOW ADAAG.

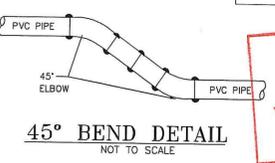
HANDICAP RAMP DETAIL (ON-SITE)



	PIPE SIZE	L	W1	W2
OUTFALL-1	15"	15	4	14
OUTFALL-2	24"	13	4	14

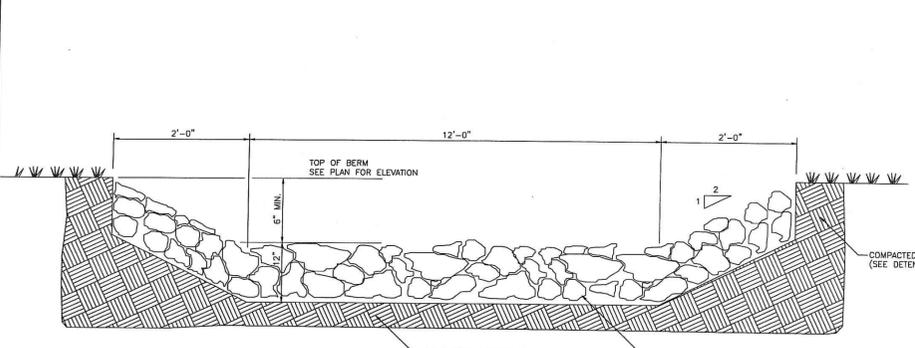


TYPICAL UTILITY TRENCH

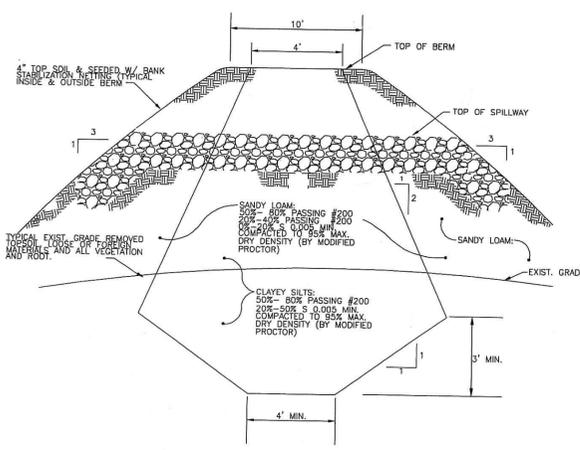


45° BEND DETAIL

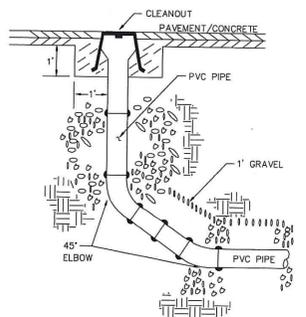
Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site.



DETENTION BASIN EMERGENCY SPILLWAY DETAIL



DETENTION BASIN BERM DETAIL



CLEANOUT DETAIL

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
2000 GREENWATER WETLANDS PROGRAM
SEDIMENTATION CONTROL MEASURES IN COMPLIANCE WITH CONDITIONS OF APPROVAL
DATED JUL 25 2007 FILE # 07-0257
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE.

PREPARED FOR: W. Joseph Casey
APPLICANT: HECHT DEVELOPMENT
COMMERCIAL REAL ESTATE
30 MONUMENT SQUARE
SUITE 101
CONCORD, MA 01742
OWNER: EAGLE AMERICAN INVESTORS, L.L.C.
54 OLD NORTH ROAD
CONVENTRY RI, 02816
RICK SANETTI
PHONE: (401)-823-5565

BOHLER ENGINEERING, P.C.
CIVIL & CONSULTING ENGINEERS ■ PROJECT MANAGERS ■ ENVIRONMENTAL & SITE PLANNERS ■ MUNICIPAL ENGINEERS

352 Turnpike Road
Southborough, MA 01772
508.480.9000
508.480.9080
www.bohlereng.com

PROJECT: HECHT DEVELOPMENT "COVENTRY CROSSING"
PROPOSED DEVELOPMENT ON COMMONWEALTH ROAD
NEW LONDON TURNPIKE INTERCHANGE ROAD
TOWNS OF COVENTRY & KENT COUNTY, RHODE ISLAND
LAST GREENWICH
ANIMATHEW D. SMITH

TITLE: CONSTRUCTION DETAILS

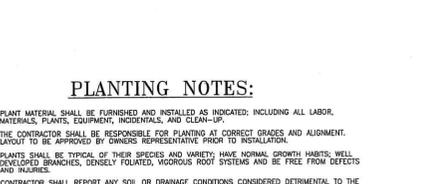
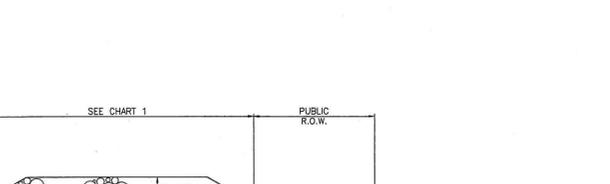
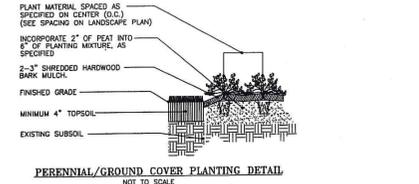
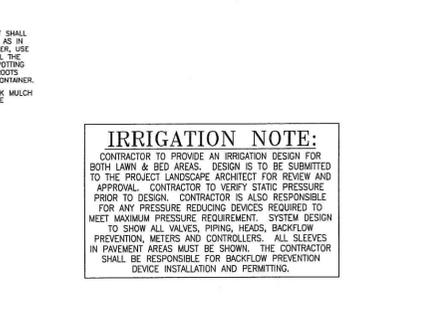
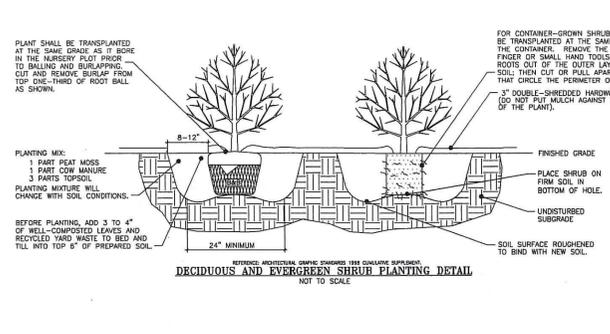
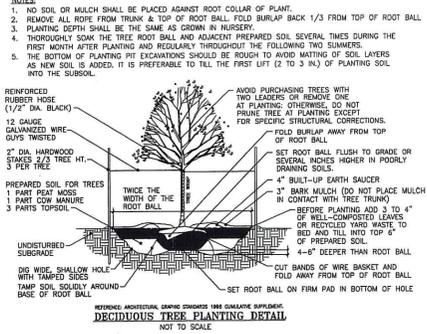
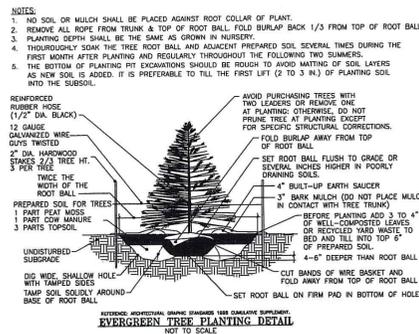
SCALE: (H) AS SHOWN (V) NONE DATE: 04/02/07 SHEET No: 11 OF 13

W.D. GOEBEL M.D. SMITH
PROFESSIONAL ENGINEER MASSACHUSETTS LICENSE No. 42644
PROFESSIONAL ENGINEER RHODE ISLAND LICENSE No. 7288
PROFESSIONAL ENGINEER CONNECTICUT LICENSE No. 21854
PROFESSIONAL ENGINEER NEW HAMPSHIRE LICENSE No. 10280
MAINE LICENSE No. 8490

CHECKED BY: JWR/MDS
DATE: 04/17/07

CONSTRUCTION CHECK DATE: 1

ANY PERSON IS PROHIBITED FROM ALTERING ANYTHING ON THESE DRAWINGS AND/OR THE ACCOMPANYING SPECIFICATIONS, UNLESS IT IS UNDER THE WRITTEN DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OF THE FIRM. IN THE EVENT SUCH ALTERATIONS ARE MADE, THE PROFESSIONAL ENGINEER OF THE FIRM MUST SIGN, SEAL, DATE, AND DESCRIBE THE FULL EXTENT OF THE ALTERATION ON THE DRAWINGS AND/OR IN THE SPECIFICATIONS.



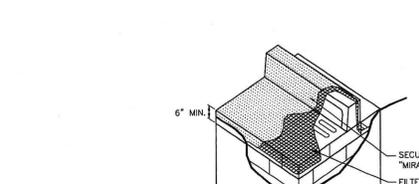
PERCENT SLOPE OF ROADWAY

PERCENT SLOPE OF ROADWAY	LENGTH OF STONE REQUIRED
0 TO 2%	COARSE GRAINED SOILS 100 FT FINE GRAINED SOILS 100 FT
2% TO 5%	100 FT
>5%	ENTIRE ENTRANCE STABILIZED WITH FABRIC BASE COURSE (1)

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

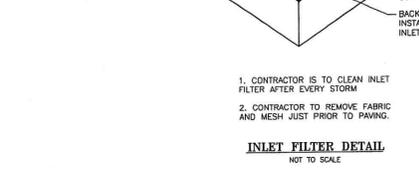
INSTALLATION

- EXCAVATE A 6" x 6" TRENCH ALONG THE LINE OF EROSION CONTROL OF THE SITE.
- LAY THE TOE-IN FLAP OF THE FABRIC ONTO THE UNDISTURBED BOTTOM OF THE TRENCH.
- DRIVE THE POST INTO THE GROUND UNTIL THE NETTING IS LAYING ACROSS THE TRENCH BOTTOM.
- LAY THE TOE-IN FLAP OF THE FABRIC ONTO THE UNDISTURBED BOTTOM OF THE TRENCH.



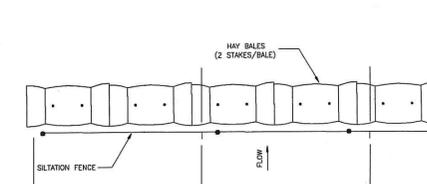
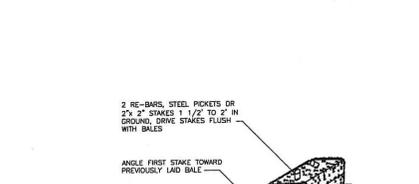
INSTALLATION

- EXCAVATE A 6" x 6" TRENCH ALONG THE LINE OF EROSION CONTROL OF THE SITE.
- LAY THE TOE-IN FLAP OF THE FABRIC ONTO THE UNDISTURBED BOTTOM OF THE TRENCH.
- DRIVE THE POST INTO THE GROUND UNTIL THE NETTING IS LAYING ACROSS THE TRENCH BOTTOM.
- LAY THE TOE-IN FLAP OF THE FABRIC ONTO THE UNDISTURBED BOTTOM OF THE TRENCH.



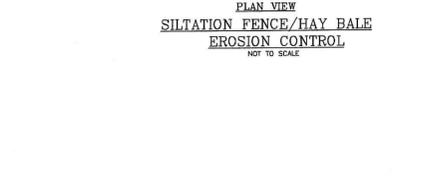
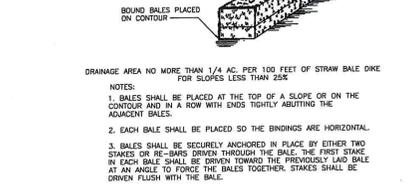
INSTALLATION

- EXCAVATE A 6" x 6" TRENCH ALONG THE LINE OF EROSION CONTROL OF THE SITE.
- LAY THE TOE-IN FLAP OF THE FABRIC ONTO THE UNDISTURBED BOTTOM OF THE TRENCH.
- DRIVE THE POST INTO THE GROUND UNTIL THE NETTING IS LAYING ACROSS THE TRENCH BOTTOM.
- LAY THE TOE-IN FLAP OF THE FABRIC ONTO THE UNDISTURBED BOTTOM OF THE TRENCH.



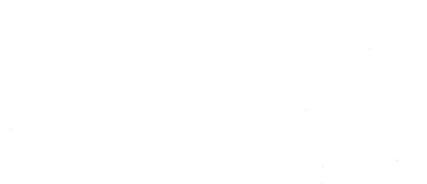
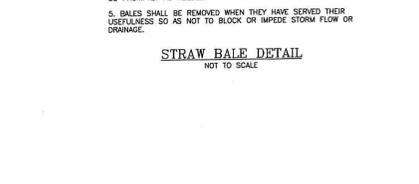
INSTALLATION

- EXCAVATE A 6" x 6" TRENCH ALONG THE LINE OF EROSION CONTROL OF THE SITE.
- LAY THE TOE-IN FLAP OF THE FABRIC ONTO THE UNDISTURBED BOTTOM OF THE TRENCH.
- DRIVE THE POST INTO THE GROUND UNTIL THE NETTING IS LAYING ACROSS THE TRENCH BOTTOM.
- LAY THE TOE-IN FLAP OF THE FABRIC ONTO THE UNDISTURBED BOTTOM OF THE TRENCH.



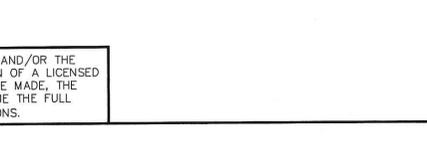
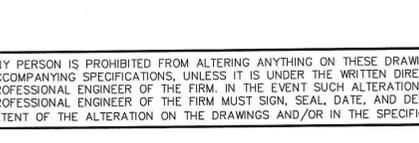
INSTALLATION

- EXCAVATE A 6" x 6" TRENCH ALONG THE LINE OF EROSION CONTROL OF THE SITE.
- LAY THE TOE-IN FLAP OF THE FABRIC ONTO THE UNDISTURBED BOTTOM OF THE TRENCH.
- DRIVE THE POST INTO THE GROUND UNTIL THE NETTING IS LAYING ACROSS THE TRENCH BOTTOM.
- LAY THE TOE-IN FLAP OF THE FABRIC ONTO THE UNDISTURBED BOTTOM OF THE TRENCH.



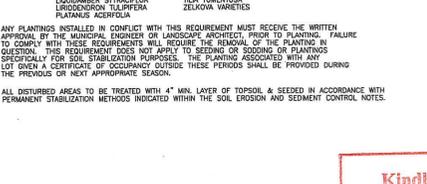
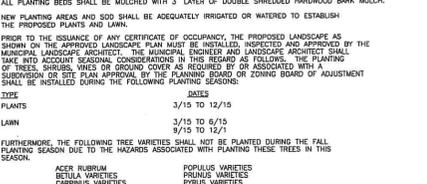
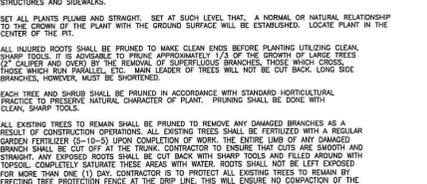
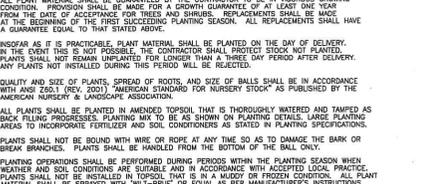
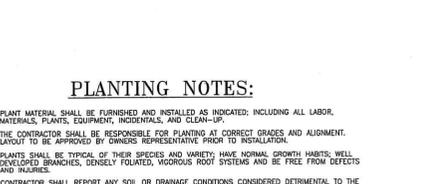
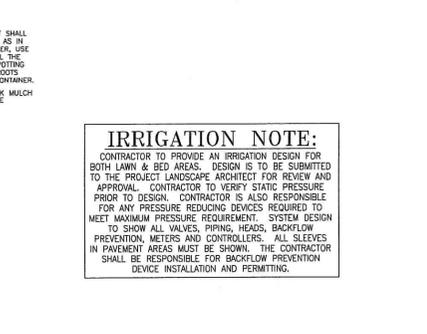
INSTALLATION

- EXCAVATE A 6" x 6" TRENCH ALONG THE LINE OF EROSION CONTROL OF THE SITE.
- LAY THE TOE-IN FLAP OF THE FABRIC ONTO THE UNDISTURBED BOTTOM OF THE TRENCH.
- DRIVE THE POST INTO THE GROUND UNTIL THE NETTING IS LAYING ACROSS THE TRENCH BOTTOM.
- LAY THE TOE-IN FLAP OF THE FABRIC ONTO THE UNDISTURBED BOTTOM OF THE TRENCH.



INSTALLATION

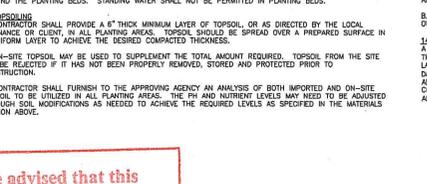
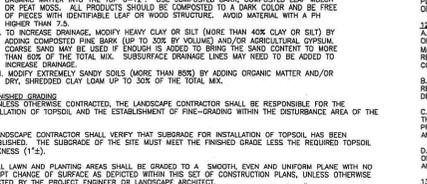
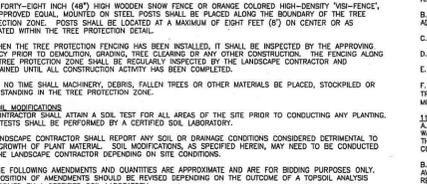
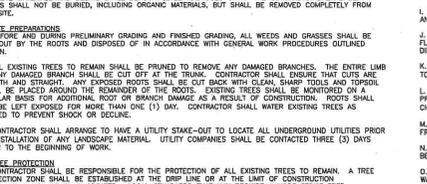
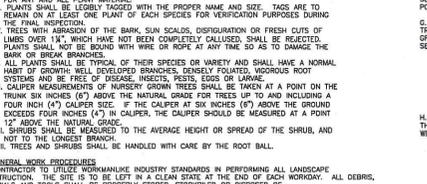
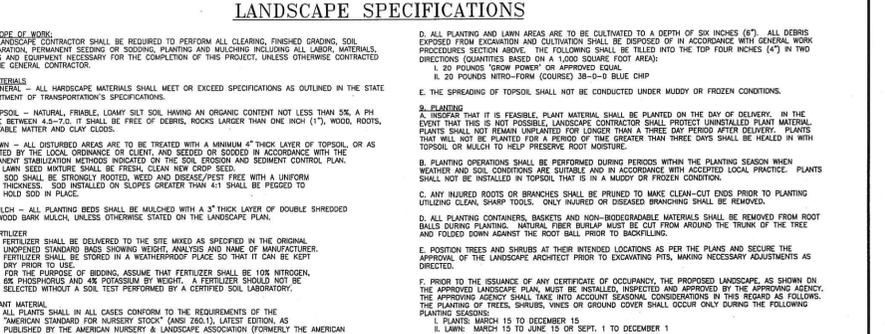
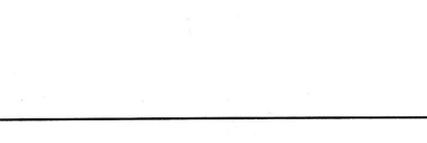
- EXCAVATE A 6" x 6" TRENCH ALONG THE LINE OF EROSION CONTROL OF THE SITE.
- LAY THE TOE-IN FLAP OF THE FABRIC ONTO THE UNDISTURBED BOTTOM OF THE TRENCH.
- DRIVE THE POST INTO THE GROUND UNTIL THE NETTING IS LAYING ACROSS THE TRENCH BOTTOM.
- LAY THE TOE-IN FLAP OF THE FABRIC ONTO THE UNDISTURBED BOTTOM OF THE TRENCH.



PERCENT SLOPE OF ROADWAY

PERCENT SLOPE OF ROADWAY	LENGTH OF STONE REQUIRED
0 TO 2%	COARSE GRAINED SOILS 100 FT FINE GRAINED SOILS 100 FT
2% TO 5%	100 FT
>5%	ENTIRE ENTRANCE STABILIZED WITH FABRIC BASE COURSE (1)

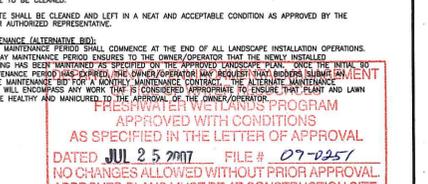
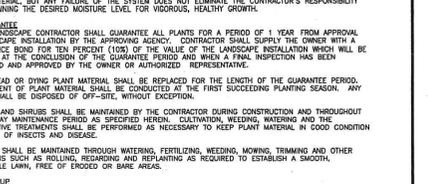
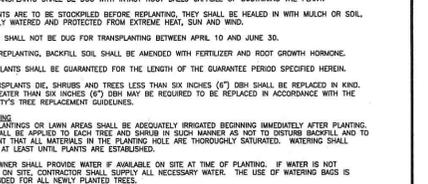
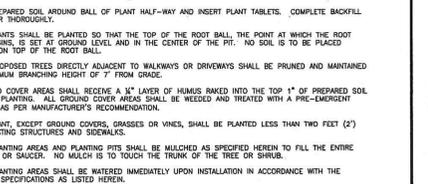
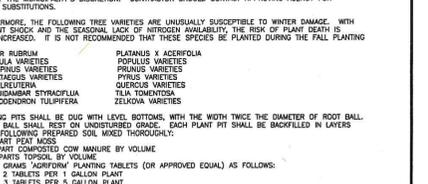
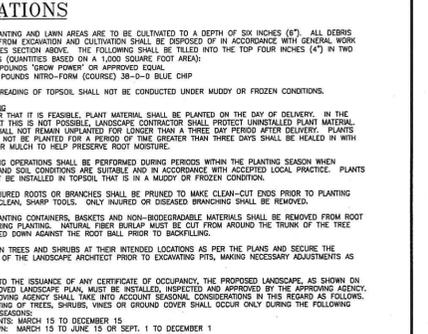
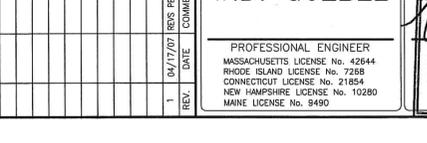
(1) AS PRESCRIBED BY LOCAL ORDINANCE OR OTHER GOVERNING AUTHORITY.



PERCENT SLOPE OF ROADWAY

PERCENT SLOPE OF ROADWAY	LENGTH OF STONE REQUIRED
0 TO 2%	COARSE GRAINED SOILS 100 FT FINE GRAINED SOILS 100 FT
2% TO 5%	100 FT
>5%	ENTIRE ENTRANCE STABILIZED WITH FABRIC BASE COURSE (1)

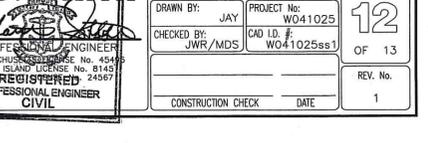
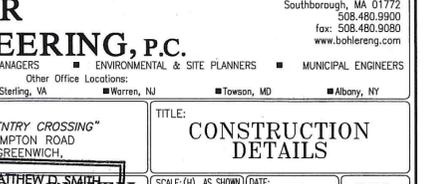
(1) AS PRESCRIBED BY LOCAL ORDINANCE OR OTHER GOVERNING AUTHORITY.



PERCENT SLOPE OF ROADWAY

PERCENT SLOPE OF ROADWAY	LENGTH OF STONE REQUIRED
0 TO 2%	COARSE GRAINED SOILS 100 FT FINE GRAINED SOILS 100 FT
2% TO 5%	100 FT
>5%	ENTIRE ENTRANCE STABILIZED WITH FABRIC BASE COURSE (1)

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



LANDSCAPE SPECIFICATIONS

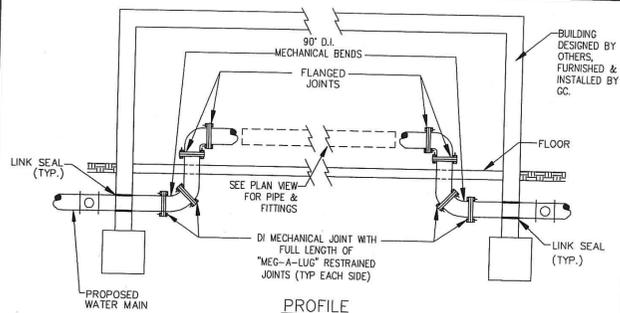
- SCOPE OF WORK: CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CLEARING, FINISHED GRADING, SOIL PREPARATION, PERMANENT SEEDING OR SOILING, PLANTING AND MULCHING INCLUDING ALL LABOR, MATERIALS, EQUIPMENT AND SUPPLIES NECESSARY FOR THE COMPLETION OF THIS PROJECT, UNLESS OTHERWISE CONTRACTED BY THE GENERAL CONTRACTOR.
- MATERIALS: ALL HARDSCAPE MATERIALS SHALL MEET OR EXCEED SPECIFICATIONS AS OUTLINED IN THE STATE DEPARTMENT OF TRANSPORTATION'S SPECIFICATIONS.
- TOPSOIL: NATURAL, FERTILE, LOAMY SILT SOIL, HAVING AN ORGANIC CONTENT NOT LESS THAN 5% A PH RANGE BETWEEN 6.0-7.5. IT SHALL BE FREE OF WEEDS, ROCKS LARGER THAN ONE (1") WOOD, ROOTS, VEGETABLE MATTER AND CLAY CLODS.
- LAWN: ALL DISTURBED AREAS ARE TO BE TREATED WITH A MINIMUM 4" THICK LAYER OF TOPSOIL, OR AS DIRECTED BY THE LOCAL ORDINANCE OR CLIENT, AND SEEDING OR SOILING IN ACCORDANCE WITH THE PERMANENT STABILIZATION METHODS INDICATED ON THE SOIL EROSION AND SEDIMENT CONTROL PLAN.
- LAWN SEED MIXTURE SHALL BE FRESH, CLEAN, UNIFORM AND AS SPECIFIED IN THE MATERIALS SECTION. SOIL SHALL BE STRONGLY ROTATED, WEED AND DISEASE/FEST FREE WITH A UNIFORM THICKNESS. SOIL INSTALLED ON SLOPES GREATER THAN 4:1 SHALL BE PEGGED TO HOLD SOIL IN PLACE.
- MULCH: ALL PLANTING BEDS SHALL BE MULCHED WITH A 3" THICK LAYER OF DOUBLE SHREDED HARDWOOD BARK MULCH UNLESS OTHERWISE STATED ON THE LANDSCAPE PLAN.
- FERTILIZER: FERTILIZER SHALL BE DELIVERED TO THE SITE MIXED AS SPECIFIED IN THE ORIGINAL UNDISTURBED SAMPLES SHOWING NUTRIENT ANALYSIS AND NAME OF MANUFACTURER. FERTILIZER SHALL BE STORED IN A WEATHERPROOF PLACE SO THAT IT CAN BE KEPT FREE FROM WEEDS.
- FOR THE PURPOSE OF BIDDING, ASSUME THAT FERTILIZER SHALL BE 10% NITROGEN, 5% PHOSPHORUS AND 4% POTASSIUM BY WEIGHT. A FERTILIZER SHOULD NOT BE SELECTED WITHOUT A SOIL TEST PERFORMED BY A CERTIFIED SOIL LABORATORY.
- PLANT MATERIAL: ALL PLANTS SHALL IN ALL CASES CONFORM TO THE REQUIREMENTS OF THE "AMERICAN STANDARD FOR NURSERY STOCK" (ANSI Z60.1), LATEST EDITION, AS PUBLISHED BY THE AMERICAN NURSERY & LANDSCAPE ASSOCIATION (FORMERLY THE AMERICAN ASSOCIATION OF NURSERMEN).
- IN ALL PLANTS SPECIES SHALL TAKE PRECEDENCE OVER COMMON NAMES FOR ANY AND ALL PLANT MATERIAL.
- ALL PLANTS SHALL BE PLANTED WITH THE PROPER NAME AND SIZE. TAGS ARE TO REMAIN ON AT LEAST ONE PLANT OF EACH SPECIES FOR VERIFICATION PURPOSES DURING THE FINAL INSPECTION.
- TREES WITH ABNORMALLY THICK BARK, SUN SCALDS, DISRUPTION OR FRESH CUTS OF LIMBS OVER 1" WHICH HAVE NOT BEEN COMPLETELY CALLEDUS SHALL BE REJECTED. PLANTS SHALL NOT BE BOUND WITH WIRE OR ROPE AT ANY TIME SO AS TO DAMAGE THE BARK OR BREAK BRANCHES.
- ALL PLANTS SHALL BE TYPICAL OF THEIR SPECIES OR VARIETY AND SHALL HAVE A NORMAL HABIT OF GROWTH. UNUSUAL BRANCHES, EXCESSIVELY FOLIATED, WOODY ROOT SYSTEMS AND BE FREE OF DISEASE, INSECTS, PESTS, EGGS OR LARVAE.
- CALIPER MEASUREMENTS OF NURSERY GROWN TREES SHALL BE TAKEN AT A POINT ON THE TRUNK SIX INCHES (6") ABOVE THE NATURAL GRADE FOR TREES UP TO AND INCLUDING A FOUR INCH (4") CALIPER SIZE. IF THE CALIPER AT SIX INCHES (6") ABOVE THE GROUND EXCEEDS FOUR INCHES (4") IN CALIPER, THE CALIPER SHOULD BE MEASURED AT A POINT 12" ABOVE THE NATURAL GRADE.
- SMALLER MEASUREMENTS SHALL BE TAKEN AT THE CALIPER SIZE SPECIFIED.
- WASTE MATERIALS AND DEBRIS SHALL BE COMPLETELY REMOVED BY THE CONTRACTOR'S EXPENSE. DEBRIS SHALL NOT BE BURIED, INCLUDING ORGANIC MATERIALS, BUT SHALL BE REMOVED COMPLETELY FROM THE SITE.

- GENERAL WORK PROCEDURES: CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CLEARING, FINISHED GRADING, ALL WEEDS AND GRASSES SHALL BE CUT BY THE CONTRACTOR AND DISPOSED OF IN ACCORDANCE WITH GENERAL WORK PROCEDURES OUTLINED HEREIN.
- ALL EXISTING TREES TO REMAIN SHALL BE PRUNED TO REMOVE ANY DAMAGED BRANCHES. THE ENTIRE LIMB OF ANY DAMAGED BRANCH SHALL BE CUT AT THE TRUNK. BRANCHES SHALL BE CUT WITH CLEAN, SHARP TOOLS AND SMOOTH AND STRAIGHT. ANY EXPOSED ROOTS SHALL BE CUT BACK WITH CLEAN, SHARP TOOLS AND TOPSOIL REGULAR BASIS FOR ADDITIONAL ROOT OR BRANCH DAMAGE AS A RESULT OF CONSTRUCTION. ROOTS SHALL NOT BE LEFT EXPOSED FOR MORE THAN ONE (1) DAY. CONTRACTOR SHALL WATER EXISTING TREES AS NEEDED TO PREVENT SHOCK OR DECLINE.
- CONTRACTOR SHALL ARRANGE TO HAVE A UTILITY STAKE-OUT TO LOCATE ALL UNDERGROUND UTILITIES PRIOR TO INSTALLATION OF ANY LANDSCAPE MATERIAL. UTILITY COMPANIES SHALL BE CONTACTED THREE (3) DAYS PRIOR TO THE BEGINNING OF WORK.
- TREE PROTECTION: CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING TREES TO REMAIN. A TREE PROTECTION ZONE SHALL BE ESTABLISHED AT THE DRY LINE OR AT THE LIMIT OF CONSTRUCTION. PROTECTION SHALL BE HONORED.
- FOR A FORTY-EIGHT INCH (48") HIGH WOODEN SHIELD OR ORANGE COLORED HIGH-DENSITY "MIL-FENCE", OR APPROVED EQUIVALENT MONITORED ON STEEP SLOPES SHALL BE ESTABLISHED. LOCATE PLANT IN THE CENTER OF THE PIT.
- ALL INJURED ROOTS SHALL BE PRUNED TO MAKE CLEAN ENDS BEFORE PLANTING UTILIZING CLEAN, SHARP TOOLS. IT IS ADVISABLE TO PRUNE APPROXIMATELY 1/3 OF THE GROWTH OF LARGE TREES (2" CALIPER AND GREYER) BY THE REMOVAL OF SUPERFLUOUS BRANCHES, THOSE WHICH CROSS, THOSE WHICH RUN PARALLEL, ETC. MAIN LEADER OF TREES WILL NOT BE CUT BACK LONG SIDE BRANCHES, HOWEVER, THEY SHOULD BE SHORTENED.
- EACH TREE AND SHRUB SHALL BE PRUNED IN ACCORDANCE WITH STANDARD HORTICULTURAL PRACTICE TO PRESERVE NATURAL CHARACTER OF PLANT. PRUNING SHALL BE DONE WITH CLEAN, SHARP TOOLS.
- ALL EXISTING TREES TO REMAIN SHALL BE PRUNED TO REMOVE ANY DAMAGED BRANCHES AS A RESULT OF CONSTRUCTION OPERATIONS. ALL EXISTING TREES SHALL BE FERTILIZED WITH A REGULAR GARDEN FERTILIZER (6-10-10) UPON COMPLETION OF WORK. THE ENTIRE LIMB OF ANY DAMAGED BRANCH SHALL BE CUT OFF AT THE TRUNK. CONTRACTOR TO ENSURE THAT CUTS ARE SMOOTH AND STRAIGHT. ANY EXPOSED ROOTS SHALL BE CUT BACK WITH CLEAN, SHARP TOOLS AND TOPSOIL. COMPLETELY SATURATE THESE AREAS WITH WATER. ROOTS SHALL NOT BE LEFT EXPOSED FOR MORE THAN ONE (1) DAY. CONTRACTOR IS TO PROTECT ALL EXISTING TREES TO REMAIN BY ERECTING TREE PROTECTION FENCE AT THE DRIP LINE. THIS WILL INCLUDE NO COMPACTION OF THE ROOT MASS.
- ALL PLANTING BEDS SHALL BE MULCHED WITH 3" LAYER OF DOUBLE SHREDED HARDWOOD BARK MULCH.
- NEW PLANTING AREAS AND SOIL SHALL BE ADEQUATELY IRRIGATED OR WATERED TO ESTABLISH THE PROPOSED PLANTS AND LAWN.
- PRIOR TO THE ISSUANCE OF ANY CERTIFICATE OF OCCUPANCY, THE PROPOSED LANDSCAPE AS SHOWN ON THE APPROVED LANDSCAPE PLAN MUST BE INSTALLED, INSPECTED AND APPROVED BY THE MUNICIPAL ENGINEER AND LANDSCAPE ARCHITECT. THE MUNICIPAL ENGINEER AND LANDSCAPE ARCHITECT SHALL HAVE THE AUTHORITY TO DENY OR WITHHOLD APPROVAL OF THE LANDSCAPE PLAN IF THE PLANTING SUBMISSION OR SITE PLAN APPROVAL BY THE PLANNING BOARD OR ZONING BOARD OF ADJUSTMENT IS NOT IN ACCORDANCE WITH THE FOLLOWING PLANTING SEASONS:

- DATE: 3/15 TO 12/15
 - LAWN: 3/15 TO 6/15
 - DATE: 3/15 TO 12/15
- THE FOLLOWING TREE VARIETIES SHALL NOT BE PLANTED DURING THE FALL PLANTING SEASON DUE TO THE HAZARDS ASSOCIATED WITH PLANTING THESE TREES IN THIS SEASON:
- | | |
|-------------------------|-------------------------|
| ACER RUBRUM | POPULUS VARIETIES |
| BETULA VARIETIES | PRUNUS VARIETIES |
| CORNUS VARIETIES | PRUNUS VARIETIES |
| CRATAEGUS VARIETIES | QUERCUS VARIETIES |
| KOLBUFERIA | SALIX WEEPING VARIETIES |
| LIQUIDAMBAR STYRACIFLUA | TELA TOMENTOSA |
| LIQUIDAMBAR STYRACIFLUA | ZELKOVA VARIETIES |
| PLATANUS ACERIFOLIA | |

- PLANTING PITS SHALL BE DUG WITH BOTTOMS, WITH THE WIDTH TWICE THE DIAMETER OF ROOT BALL THE ROOT BALL SHALL REST ON UNDISTURBED GRADE. EACH PLANT PIT SHALL BE BACKFILLED IN LAYERS WITH THE FOLLOWING PREPARED SOIL MIXES THROUGHOUT:
 - 1 PART COMPOSTED COB MANURE BY VOLUME
 - 1 PART TOPSOIL BY VOLUME
 - 31 GRADE AGRIFORM PLANTING TABLETS (OR APPROVED EQUALS) AS FOLLOWS:
 - 2 TABLETS PER 1 GALLON PLANT
 - 1 TABLETS PER 5 GALLON PLANT
 - 4 TABLETS PER 15 GALLON PLANT
 - 10 TABLETS PER 35 GALLON PLANT
- 1 FILL PREPARED SOIL AROUND BALL OF PLANT HALF-WAY AND INSERT PLANT TABLETS. COMPLETE BACKFILL AND WATER THOROUGHLY.
- ALL PLANTS SHALL BE PLANTED SO THAT THE TOP OF THE ROOT BALL, THE POINT AT WHICH THE ROOT BALL SHALL REST ON UNDISTURBED GRADE, IS IN THE CENTER OF THE PIT. NO SOIL IS TO BE PLACED DIRECTLY ON TOP OF THE ROOT BALL.
- ALL PROPOSED TREES DIRECTLY ADJACENT TO WALKWAYS OR DRIVEWAYS SHALL BE PRUNED AND MAINTAINED TO A MAXIMUM BRANCHING HEIGHT OF 7" FROM GRADE.
- GROUND COVER AREAS SHALL RECEIVE A 1" LAYER OF HUMUS RICH TOP 1" OF PREPARED SOIL PRIOR TO PLANTING. ALL GROUND COVER AREAS SHALL BE WEEDED AND TREATED WITH A PRE-EMERGENT CHEMICAL AS PER MANUFACTURER'S RECOMMENDATIONS.
- NO PLANT, EXCEPT GROUND COVERS, GRASSES OR VINES, SHALL BE PLANTED LESS THAN TWO FEET (2') FROM EXISTING STRUCTURES AND SIDEWALKS.
- ALL PLANTING AREAS AND PLANTING PITS SHALL BE MULCHED AS SPECIFIED HEREIN TO FILL THE ENTIRE BED AREA OR SAUCER. NO MULCH IS TO TOUCH THE TRUNK OF THE TREE OR SHRUB.
- ALL PLANTING AREAS SHALL BE WATERED IMMEDIATELY UPON INSTALLATION IN ACCORDANCE WITH THE WATERING SPECIFICATIONS AS LISTED HEREIN.
- TRANSPLANTS (MESH REQUIRED):
 - ALL TRANSPLANTS SHALL BE DUG WITH MESH THAT ROOTS SHALL BE CAPABLE OF SUSTAINING THE PLANT.
 - IF PLANTS ARE TO BE STOCKPILED BEFORE REPLANTING, THEY SHALL BE WATERED IN WITH MULCH OR SOIL, ADEQUATELY WATERED AND PROTECTED FROM EXTREME HEAT, SUN AND WIND.
 - PLANTS SHALL NOT BE DUG FOR TRANSPORTING BETWEEN APRIL 10 AND JUNE 30.
 - UPON REPLANTING, BACKFILL SOIL SHALL BE AMENDED WITH FERTILIZER AND ROOT GROWTH HORMONE.
 - TRANSPLANTS SHALL BE GUARANTEED FOR THE LENGTH OF THE GUARANTEE PERIOD SPECIFIED HEREIN.
 - IF TRANSPLANTS ARE DUG, SHRUBS AND TREES LESS THAN SIX INCHES (6") DBH SHALL BE REPLACED IN KIND. TREES GREATER THAN SIX INCHES (6") DBH MAY BE REPLACED TO BE REPLACED IN ACCORDANCE WITH THE MUNICIPALITY'S TREE REPLACEMENT GUIDELINES.

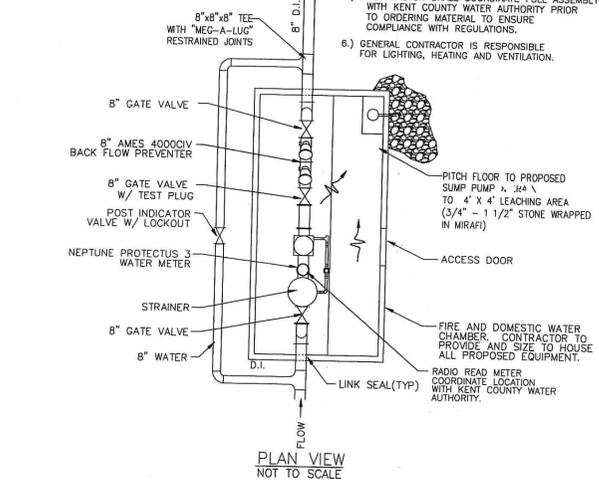
- WATERING:
 - ALL PLANTING OR LAWN AREAS SHALL BE ADEQUATELY IRRIGATED BEGINNING IMMEDIATELY AFTER PLANTING WATER SHALL BE APPLIED TO EACH TREE AND SHRUB IN SUFFICIENT AMOUNT AS NOT TO DISTURB BACKFILL AND TO THE EXTENT THAT ALL MATERIALS IN THE PLANTING HOLE ARE THOROUGHLY SATURATED. WATERING SHALL CONTINUE AT LEAST



PROFILE NOT TO SCALE

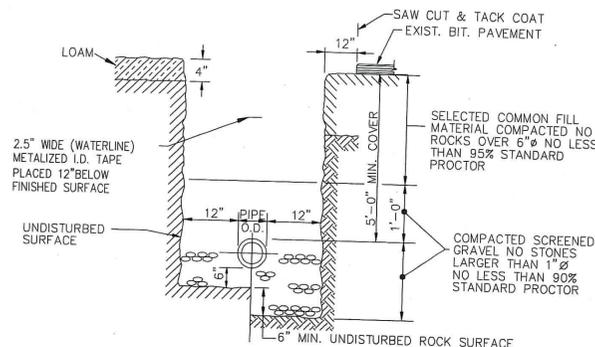
NOTES:

- 1.) ALL EXTERIOR PIPING, VALVES AND FITTING JOINTS TO HAVE MEGALUGS.
- 2.) RADIO READ METER REGISTER TO BE UTILIZED.
- 3.) INTERIOR PIPING AND VALVE JOINTS TO BE FLANGED.
- 4.) METER AND BACKFLOW PREVENTERS TO BE PROPERLY SUPPORTED ABOVE FLOOR.
- 5.) CONTRACTOR SHALL COORDINATE FULL ASSEMBLY WITH KENT COUNTY WATER AUTHORITY PRIOR TO ORDERING MATERIAL TO ENSURE COMPLIANCE WITH REGULATIONS.
- 6.) GENERAL CONTRACTOR IS RESPONSIBLE FOR LIGHTING, HEATING AND VENTILATION.



PLAN VIEW NOT TO SCALE

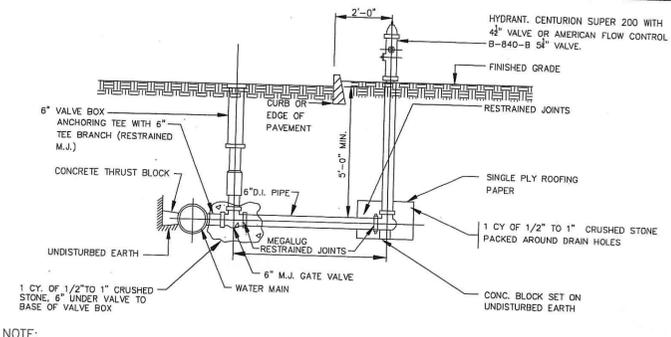
KENT COUNTY WATER AUTHORITY FIRE AND DOMESTIC WATER METER AND BACKFLOW ENCLOSURE NOT TO SCALE



NOTES:

1. ROADWAY RESTORATION IN ACCORDANCE WITH COMMUNITY OR RIDOT.

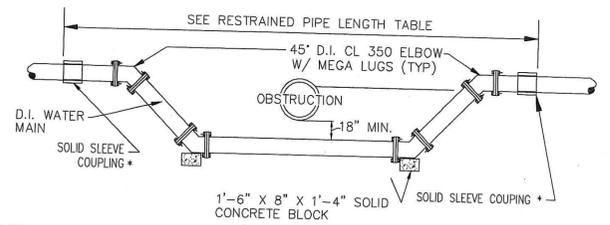
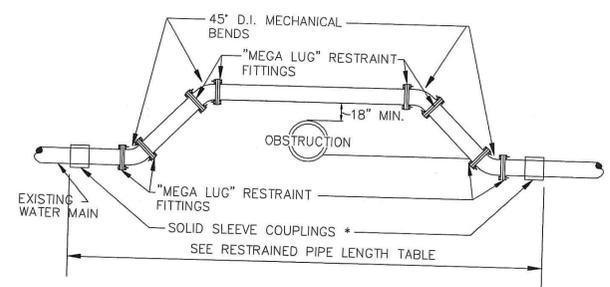
KENT COUNTY WATER AUTHORITY TRENCH INSTALLATION IN ROCK AND SOIL NOT TO SCALE



NOTE:

- 1.) KCWA COLOR SCHEME FOR HYDRANT.
- 2.) INSTALLATION SHALL NOT OBSTRUCT SIDEWALK TO PEDESTRIAN OR PHYSICALLY IMPAIRED.
- 3.) REMOVAL OF EXISTING HYDRANT MAY REQUIRE ADDITIONAL RESTRAINT DESIGNED BY PROFESSIONAL ENGINEER.

KENT COUNTY WATER AUTHORITY HYDRANT NOT TO SCALE

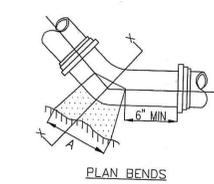
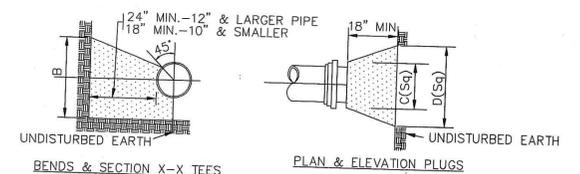


- * TRANSITION COUPLING, DRESSER STYLE, TO BE USED ONLY WHEN EXISTING WATER MAIN IS OF DIFFERENT MATERIAL OTHER THAN DUCTILE IRON.
- * SOLID SLEEVE TO BE MEGALUGS.
- * ONLY TO BE USED WHEN CALCULATED FRICTION LOSS WILL NOT ADVERSELY AFFECT DISTRIBUTION PRESSURE AND FLOW.
- ** MINIMUM DEPTH OF COVER SHALL BE 2'-0". THE WATER PIPE SHALL BE CLASS 54 AND INSULATED WITH 2" FOAMGLASS INSULATION W/ PITT WRAP OR EQUAL WHERE THE WATER PIPE HAS LESS THAN 5' OF COVER.

KENT COUNTY WATER AUTHORITY WATER MAIN HORIZONTAL OR VERTICAL RELOCATION NOT TO SCALE

WATER NOTES:

1. THE KENT COUNTY WATER AUTHORITY REQUIREMENTS FOR SERVICE AND MAIN INSTALLATION ARE MADE A PART HEREOF AS FULLY AND COMPLETELY AS IF ATTACHED HERETO.
2. ALL DISTRIBUTION SYSTEM PIPING SHALL BE CLASS 52 DUCTILE IRON DOUBLE CEMENT MORTAR LINES, PUSH ON STYLE JOINTS EXCEPT AS REQUIRED BY THE KENT COUNTY WATER AUTHORITY. PIPE SHALL MEET THE REQUIREMENTS OF ANSI/AWWA C151/A21.51. JOINTS SHALL MEET THE REQUIREMENTS OF ANSI/AWWA C111/A21.11.
3. FITTINGS SHALL BE DUCTILE IRON MECHANICAL JOINT CLASS 350 CEMENT MORTAR LINED COMPACT STYLE AMERICAN MANUFACTURED ONLY. FITTINGS SHALL MEET THE REQUIREMENTS OF ANSI/AWWA C111/A21.11/A.21.51.
4. COATINGS USED FOR BOTH PIPES AND FITTINGS SHALL BE APPROVED FOR WATER SERVICE BY THE AMERICAN WATER WORKS ASSOCIATION AND THE ENVIRONMENTAL PROTECTION AGENCY. COATINGS SHALL MEET THE REQUIREMENTS OF ANSI/AWWA C104/A21.4.
5. ANY INSTALLATION, JOINTS, CONSTRUCTION METHODS AND MATERIALS SHALL BE ACCORDING TO MANUFACTURER'S RECOMMENDATIONS, KENT COUNTY WATER AUTHORITY RECOMMENDATIONS, AWWA STANDARDS AND GOVERNMENTAL REQUIREMENTS.
6. CONSTRUCTION SHALL INCLUDE ALL PIPE, JOINTS, BENDS, TEES, FITTINGS, THRUST BLOCKS, GATE VALVES, GATE BOXES, SERVICE CONNECTIONS AND ALL MISCELLANEOUS ITEMS REQUIRED TO CONSTRUCT THE PROPOSED SYSTEM.
7. FIRE HYDRANTS SHALL BE INSTALLED IN THE LOCATIONS SHOWN ON THE PLANS. HYDRANTS SHALL BE EQUIPPED WITH TWO 2.5" HOSE PORTS 180 DEGREES APART AND ONE 4.5" STEAMER PORT, THREAD STANDARD. HYDRANTS SHALL BE MUELLER A-421 SUPER 200 CENTURIUM 4.5" VALVE OPENING OR AMERICAN DARLING BB4B 5.25" VALVE OPENING, PAINTED TO KENT COUNTY WATER AUTHORITY SPECIFICATION 2.3.7.
8. CONCRETE THRUST, ANCHOR OR BEARING BLOCKS SHALL BE INSTALLED IN LOCATIONS INDICATED AND AT ALL BENDS, FITTINGS, PLUGS, ETC. WHEN A THRUST BLOCK CANNOT BE PLACED AGAINST UNDISTURBED EARTH, A REACTION BLOCK SUBSTITUTE SHALL BE DESIGNED AND SUBMITTED TO THE GENERAL MANAGER FOR APPROVAL.
9. LEAKAGE TESTS AND THE CHLORINATION OF THE WATER DISTRIBUTION SYSTEM SHALL BE PERFORMED BY THE CONTRACTOR IN CONFORMANCE TO AMERICAN WATER WORKS ASSOCIATION (AWWA) RECOMMENDATIONS, KENT COUNTY WATER AUTHORITY REQUIREMENTS AND GOVERNMENTAL AGENCIES HAVING JURISDICTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY FEES ASSOCIATED WITH SAID TESTING.
10. ALL GATE VALVES, FITTINGS, PIPE JOINTS, ETC. SHALL BE DESIGNED FOR A CONSTANT WORKING PRESSURE OF NO LESS THAN 150 PSI.
11. WATER PIPE SHALL TYPICALLY BE LOCATED AT LEAST TEN (10) FEET HORIZONTALLY FROM SEWER PIPE AND AT A DEPTH OF COVER EQUAL TO 5'-0".
12. ALL SYSTEM COMPONENTS AND CONSTRUCTION METHODS SUCH AS GATE VALVE, PIPE, THRUST BLOCKS, FITTINGS, AIR RELEASE ASSEMBLIES, CASTINGS, ETC., SHALL BE SUBMITTED TO THE KENT COUNTY WATER AUTHORITY AND ENGINEER APPROVAL PRIOR TO PURCHASE AND INSTALLATION. THIS SUBMISSION SHALL INCLUDE MANUFACTURER'S LITERATURE, SHOP DRAWINGS, PROPOSED CONSTRUCTION METHODS, ETC.
13. TRENCH SHALL BE IN ACCORDANCE WITH THE AWWA TYPE 5 TRENCH.
14. THE CONTRACTOR SHALL NOTIFY THE KENT COUNTY WATER AUTHORITY FIVE (5) WORKING DAYS PRIOR TO THE COMMENCEMENT OF ANY WORK ASSOCIATED WITH THE WATER DISTRIBUTION SYSTEM.
15. WASTE CHLORINATION WATER USED TO DISINFECT THE POTABLE WATER SYSTEM SHALL BE DISCHARGED OVER LAND, AWAY FROM ANY STATE REGULATED FRESHWATER WETLANDS, POTENTIAL EROSION FROM SAID DISCHARGE SHALL BE CONTROLLED WITH A HAYBALE EROSION CHECK.
16. PRESSURE TEST SHALL BE DONE ON ALL COMPLETED WATER LINES PRIOR TO ACCEPTANCE. PRESSURE TEST SHALL BE DONE BY THE PROPOSER WITNESSED BY THE KENT COUNTY WATER AUTHORITY.
17. KENT COUNTY WATER AUTHORITY EMPLOYEES SHALL BE GIVEN FULL ACCESS TO THE PROJECT AT ALL TIMES FOR INSPECTION ON AN AS NEEDED BASIS.
18. UPON COMPLETION OF THE PROJECT AND PRIOR TO WATER SYSTEM ACTIVATION, TWO "BLUE LINE" PAPER RECORD "AS-BUILT" DRAWINGS SHALL BE PROVIDED TO KENT COUNTY WATER AUTHORITY. DRAWINGS SHALL CONTAIN ALL INFORMATION AS LISTED IN SECTION 3.13.1 AND SHALL MEET THE REQUIREMENTS OF SECTIONS 3.13.1 TO 3.13.5 OF THE RULES AND REGULATIONS OF THE KENT COUNTY WATER AUTHORITY. THE CONTRACTOR IS RESPONSIBLE FOR THIS WORK.
19. A \$5 PER LINEAR FOOT INSPECTION FEE (PAYABLE BY THE CONTRACTOR) MUST BE PAID IN FULL TO THE KENT COUNTY WATER AUTHORITY PRIOR TO COMMENCEMENT OF CONSTRUCTION.



NOTES:

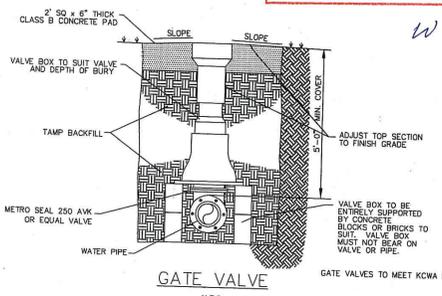
- 1.) ALL CONCRETE SHALL BE 4000 P.S.I. @ 28 DAYS.
- 2.) CONCRETE THRUST BLOCKS SHALL BEAR AGAINST UNDISTURBED EARTH.
- 3.) FORMS TO BE USED AS NECESSARY.
- 4.) ALL BOLTS AND NUTS TO BE PROTECTED FROM CONCRETE AND EASILY ACCESSIBLE WITH THRUST BLOCK INSTALLED.
- 5.) DIMENSIONS BELOW ARE RECOMMENDED. DIMENSIONS CAN BE MODIFIED TO FIT FIELD CONDITIONS AS LONG AS RESULTANT BEARING AREA IS EQUIVALENT TO THAT PRODUCED BY DIMENSIONS LISTED BELOW.
- 6.) NO PLUGS/ENDS ARE PROPOSED.
- 7.) REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF RI SHALL VERIFY ALL CALCULATIONS DURING DESIGN TO MEET CONDITIONS OF PROJECT AND KCWA REQUIREMENTS.

Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site.

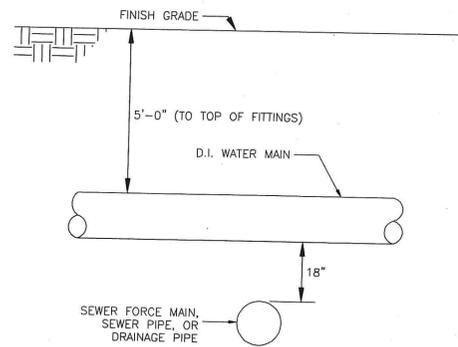
SIZE	TEES		90° BEND		45° BEND		22½° BEND		1½° BEND	
	A	B	A	B	A	B	A	B	A	B
3"	3 1/2"	12"	3 1/2"	12"	2 1/2"	8"	1 1/2"	6"	8"	6"
4"	4 1/2"	24"	4 1/2"	24"	3 1/2"	18"	2 1/2"	12"	14"	12"
6"	6 1/2"	42"	6 1/2"	42"	5 1/2"	30"	3 1/2"	24"	24"	18"
8"	8 1/2"	60"	8 1/2"	60"	6 1/2"	44"	4 1/2"	36"	36"	24"
10"	10 1/2"	84"	10 1/2"	84"	8 1/2"	60"	5 1/2"	48"	48"	30"

KENT COUNTY WATER AUTHORITY THRUST BLOCK NOT TO SCALE

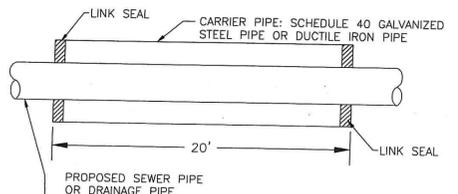
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED JUL 25 2007 FILE # 07-0957
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE.



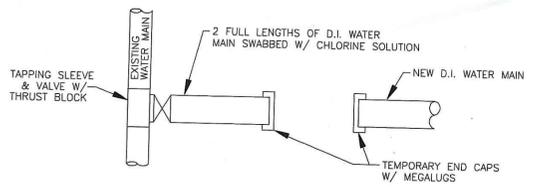
GATE VALVE N.T.S.



- NOTES:
1. THE VERTICAL SEPARATION BETWEEN THE WATER MAIN AND THE PROPOSED UTILITY SHALL BE A MINIMUM OF 18 INCHES.
 2. THE HORIZONTAL SEPARATION BETWEEN THE WATER MAIN AND THE PROPOSED UTILITY SHALL BE A MINIMUM OF 10 FEET.
 3. IF 1 OR 2 CANNOT BE MAINTAINED THE PROPOSED UTILITY SHALL BE INSTALLED WITHIN A CARRIER PIPE UPON WRITTEN APPROVAL BY THE KCWA.
 4. SEWER MAIN AND SERVICES ARE NOT ALLOWED TO CROSS OVER THE WATER MAIN.
 5. CONCRETE ENCASEMENT IS NOT ALLOWED.



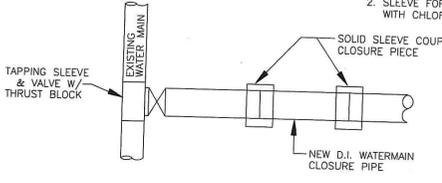
CARRIER PIPE DETAIL KENT COUNTY WATER AUTHORITY UTILITY SEPARATION



PRIOR TO CONNECTION

NOTE:

1. PRIOR TO FINAL APPROVAL FOR PERMANENT CONNECTION FROM KCWA, CONTRACTOR SHALL PERFORM PRESSURE TESTING AND CHLORINATION.
2. SLEEVE FOR CLOSURE TO BE SWABBED WITH CHLORINE SOLUTION.



CONNECTION

KENT COUNTY WATER AUTHORITY CONNECTION OF NEW WATER MAIN TO EXISTING WATER MAIN NOT TO SCALE

ANY PERSON IS PROHIBITED FROM ALTERING ANYTHING ON THESE DRAWINGS AND/OR THE ACCOMPANYING SPECIFICATIONS, UNLESS IT IS UNDER THE WRITTEN DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OF THE FIRM. IN THE EVENT SUCH ALTERATIONS ARE MADE, THE PROFESSIONAL ENGINEER OF THE FIRM MUST SIGN, SEAL, DATE, AND DESCRIBE THE FULL EXTENT OF THE ALTERATION ON THE DRAWINGS AND/OR IN THE SPECIFICATIONS.

PREPARED FOR:
APPLICANT: HECHT DEVELOPMENT COMMERCIAL REAL ESTATE 30 MONUMENT SQUARE SUITE 101 CONCORD, MA 01742
OWNER: EAGLE AMERICAN INVESTORS, L.L.C. 54 OLD NORTH ROAD COVENTRY RI, 02816 RICK SANETTI PHONE: (401)-823-5565

BOHLER ENGINEERING, P.C.
CIVIL & CONSULTING ENGINEERS PROJECT MANAGERS ENVIRONMENTAL & SITE PLANNERS MUNICIPAL ENGINEERS
352 Turnpike Road Southborough, MA 01772 508-480-9900 fax: 508-480-9080 www.bohlereng.com

PROJECT: HECHT DEVELOPMENT PROPOSED DEVELOPMENT "GOVENTRY CROSSING" NEW LONDON TURNPIKE @ CROMPTON ROAD TOWNS OF GOVENTRY & EAST GREENWICH, KENT COUNTY, RHODE ISLAND
TITLE: CONSTRUCTION DETAILS

W.D. GOEBEL M.D. SMITH
PROFESSIONAL ENGINEER MASSACHUSETTS LICENSE No. 42644 RHODE ISLAND LICENSE No. 7288 CONNECTICUT LICENSE No. 21854 NEW HAMPSHIRE LICENSE No. 10280 MAINE LICENSE No. 9490
PROFESSIONAL ENGINEER MASSACHUSETTS LICENSE No. 49496 RHODE ISLAND LICENSE No. 8143 CONNECTICUT LICENSE No. 24567

SCALE: (H) AS SHOWN (V) NONE DATE: 04/02/07 SHEET No: 13 OF 13
DRAWN BY: JAY PROJECT No: W041025
CHECKED BY: JWR/MDS CAD L.D. #: W041025ss1
CONSTRUCTION CHECK DATE: 1