

MAJOR LAND DEVELOPMENT
 PRELIMINARY PLANS FOR A
 "HOUSE OF WORSHIP"

TEMPLE TORAT YISRAEL

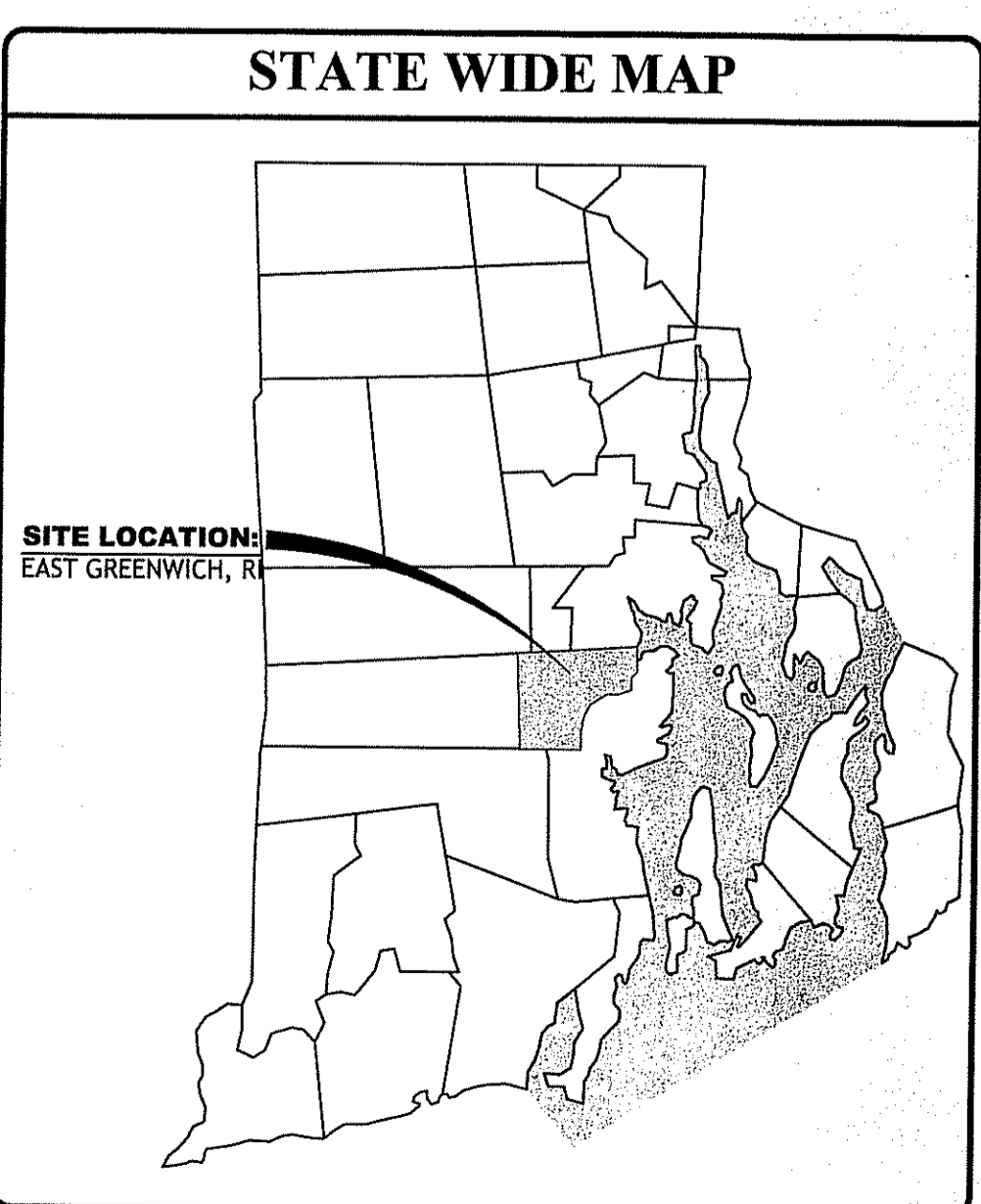
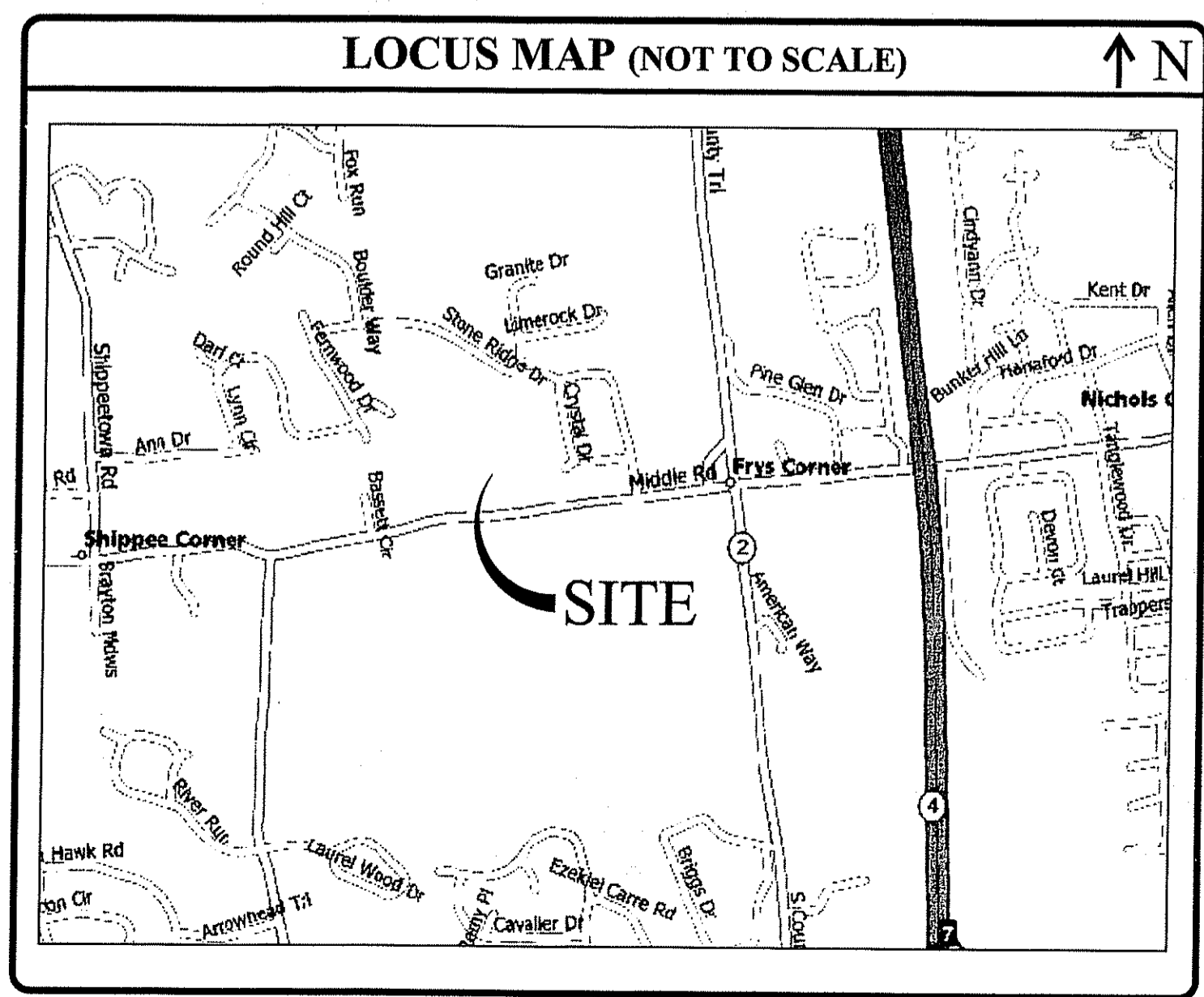
1251 MIDDLE ROAD
 AP 12G LOTS 436 & 437
 EAST GREENWICH, RHODE ISLAND

ZONING DISTRICT: F-1

MASTER PLAN APPROVAL: SEPTEMBER 23, 2008.

Q:\08-35 Temple Torat Yisrael\DWG_Preliminary\08-35-PR Preliminary Plan.rvt.dwg Feb. 18, 2009 3:27pm

PROJECT TEAM	
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DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS
 AS SPECIFIED IN THE LETTER OF APPROVAL
 DATED MAR 2 5 2009 FILE # 08-0368
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL.
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Charles H. Barber

DAVID M. D'AMICO
 No. 6749
 REGISTERED PROFESSIONAL ENGINEER
 CIVIL
 2/10/09

TEMPLE TORAT YISRAEL
 EAST GREENWICH, RHODE ISLAND
 AP 12G LOTS 436 & 437

REVISIONS:		
NO.	DATE	DESCRIPTION
1	2/18/09	RIDEM COMMENTS

DESIGNED BY: JEA
 DRAWN BY: JEA
 CHECKED BY: DMD
 DATE: NOVEMBER 08
 PROJECT NO: 08-35

PRELIMINARY PLAN, NOT FOR CONSTRUCTION

COVER SHEET

SHEET 1 OF 11

SEQUENCE & STAGING OF PROPOSED CONSTRUCTION ACTIVITIES:

- 1. SURVEY AND STAKE THE PROPOSED BUILDING CORNERS, UNDERGROUND STORMWATER MANAGEMENT AREA, DETENTION BASIN, STRUCTURES, AND LIMIT OF DISTURBANCE.
2. PLACE SEDIMENTATION BARRIERS (HAY BALES OR SILT FENCE) AS SHOWN ON THE PLANS AND AS STAKED OUT IN THE FIELD. IN NO CASE IS THE LIMIT OF WORK TO EXTEND BEYOND THE SEDIMENTATION BARRIERS.
3. EXCAVATE, INSTALL AND BACKFILL PROPOSED SUBSURFACE STORMWATER MANAGEMENT AREA AND DETENTION BASIN AS SHOWN ON PLAN.
4. BEGIN SITE WORK (CLEARING AND GRUBBING, EXCAVATING AND GRADING, ETC.). TOPSOIL IS TO BE STRIPPED AND STOCKPILED WITHIN DISTURBANCE LIMITS. THE STOCKPILES ARE TO BE PROTECTED BY A ROW OF SEDIMENTATION BARRIERS. STOCKPILES TO BE COVERED OR TEMPORARILY SEEDED. DIVERT ALL THE RUNOFF FROM DISTURBED AREAS TO THE PROPOSED STORMWATER STORAGE AREA.
5. INSTALL UTILITIES AND DRAINAGE INCLUDING DRAINAGE PIPE. IMMEDIATELY PLACE THE RIP-RAP AT THE DISCHARGE POINTS. SEED ALL DISTURBED AREAS.
6. BEGIN BUILDING CONSTRUCTION.
7. BEGIN PAVEMENT AND PROPOSED GRADING. LANDSCAPE WHILE BUILDING IS UNDER CONSTRUCTION.
8. FINISH BUILDING AND PAVEMENT CONSTRUCTION.
9. FINISH LANDSCAPING AND PERMANENT STABILIZATION.
10. INSPECT AND REPAIR ALL DRAINAGE STRUCTURES INCLUDING STORAGE CHAMBERS AND DISCHARGE POINTS. REMOVE ANY DEBRIS (LEAVES, TREE LIMBS, BOULDERS, ETC.) FROM DRAINAGE INLETS AND OUTLETS. FLUSH ALL SEDIMENTS FROM DRAINAGE PIPES AND APPLY TOPSOIL TO PONDS.
11. REMOVE ALL TEMPORARY SOIL EROSION AND SEDIMENTATION CONTROL MEASURES ONCE VEGETATION HAS BEEN ESTABLISHED TO ALL DISTURBED AREAS.

GENERAL NOTE(S):

- 1. CLASS I PROPERTY LINE PREPARED BY CATALDO ENGINEERING. CLASS III TOPOGRAPHIC SURVEY COMPLETED BY FUSZ AND O'NEILL.
2. THE LOCATION AND DEPTH OF EXISTING UTILITIES ARE APPROXIMATE AND HAVE BEEN PLOTTED FROM THE LATEST AVAILABLE INFORMATION. THE UTILITY LOCATIONS ARE APPROXIMATE AND MAY NOT BE ALL INCLUSIVE. THE CONTRACTOR SHALL CHECK AND VERIFY THE LOCATIONS OF ALL EXISTING UTILITIES, BOTH OVERHEAD AND UNDERGROUND, AND "DIG-SAFE" MUST BE NOTIFIED PRIOR TO COMMENCING ANY CONSTRUCTION OPERATIONS. RESTORATION AND REPAIR OF DAMAGE TO EXISTING UTILITIES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR WITH NO ADDITIONAL COST TO THE OWNER. NO EXCAVATION SHALL COMMENCE UNTIL ALL INVOLVED UTILITY COMPANIES AND/OR TOWN WHOSE FACILITIES MIGHT BE AFFECTED BY ANY WORK TO BE PERFORMED BY THE CONTRACTOR ARE NOTIFIED AT LEAST 72 HOURS IN ADVANCE.
3. BASED ON THE FEMA FLOOD INSURANCE RATE MAP FOR THE TOWN OF EAST GREENWICH, COMMUNITY PANEL NUMBER FM445397 0001B, REVISED FEBRUARY 16, 1983, THE SITE IS LOCATED PARTIALLY IN FLOOD ZONE "C" (AREAS OF MINIMAL FLOODING) AND PARTIALLY IN FLOOD ZONE "A" (AREAS OF 100-YEAR FLOOD; BASE FLOOD ELEVATIONS AND FLOOD HAZARD FACTORS NOT DETERMINED).
4. SOLS EXISTING ON THE SITE ARE BRIDGEHAMPTON-CHARLTON COMPLEX (BnB) AND RIDGEBURY, WHITMAN AND LEICESTER (Rt), HYDROLOGIC CLASS B AND C, RESPECTIVELY.
5. SOIL EVALUATIONS WERE COMPLETED BY CDE ON AUGUST 14, 2008 & OCTOBER 31, 2008.
6. WETLAND EDGE VERIFIED BY RIDEM (VERIFICATION NUMBER 07-0094).

SITE NOTE(S):

- 1. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING AND LEGALLY DISPOSING (R&D) OF ALL MATERIALS INDICATED ON THE PLANS.
2. STOCKPILES OF EARTH MATERIALS SHALL NOT BE LOCATED ADJACENT TO DRAINAGE STRUCTURES.
3. ALL DISTURBED AREAS OUTSIDE OF THE PAVED AREAS WILL RECEIVE A MINIMUM OF 6" OF LOAM AND SEED.
4. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN SURVEY LAYOUT SERVICES FOR THE WORK AND SHALL SUBMIT "AS-BUILT" DRAWINGS OF ALL WORK, WHICH SHALL BE STAMPED AND CERTIFIED BY A RHODE ISLAND REGISTERED PROFESSIONAL LAND SURVEYOR.
5. ANY ITEM OF WORK NOT SPECIFICALLY INDICATED ON THE PLANS BUT IS REQUIRED FOR THE COMPLETE CONSTRUCTION OF THE PROJECT WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND INCLUDED IN THE CONTRACT BID PRICE. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL EXISTING SITE CONDITIONS.
6. REFER TO ARCHITECTURAL AND STRUCTURAL PLANS FOR ACTUAL SIZE OF THE PROPOSED BUILDING.
7. WHERE NECESSARY TO REMOVE CURBS, CATCH BASINS OR DRAINS TO COMPLETE WORK THE CONTRACTOR SHALL REPLACE SUCH ITEMS TO THE SATISFACTION OF THE TOWN/OWNER AT NO ADDITIONAL COST TO THE OWNER.
8. ANY EXISTING PIPE OR UTILITY DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED IMMEDIATELY BY THE CONTRACTOR AT NO COST TO THE OWNER OR TOWN.
9. THE CONTRACTOR SHALL RESTORE TO ITS ORIGINAL CONDITION OR REPLACE TREES, SHRUBS, FENCES, SIGNS, GUARDRAILS, DRIVEWAYS, SIDEWALKS AND ANY OTHER OBJECT AFFECTED BY THIS OPERATION.
10. THE TOPS OF ALL VALVE BOXES AND CURB BOXES SHALL BE FLUSH WITH GROUND OR PAVEMENT SURFACE LEVEL AND PLUMB, UNLESS OTHERWISE DIRECTED.
11. ROADWAYS SHALL BE LEFT PASSABLE AT ALL TIMES. CLOSURE OF ROADWAY IN NOT PERMITTED.
12. THE CONTRACTOR SHALL PROVIDE ACCESS TO ALL DRIVEWAYS AT COMPLETION OF EACH DAY'S WORK.
13. WATER SERVICE SHALL BE MAINTAINED AT ALL TIMES.
14. ALL LEDGE TO BE REMOVED BY MECHANICAL MEANS.
15. ALL CONSTRUCTION WORK SHALL BE PERFORMED IN THE DRY. THE CONTRACTOR SHALL PROVIDE, OPERATE AND MAINTAIN ALL PUMPS, DRAINS, WET POINTS, SCREENS, OR OTHER FACILITIES NECESSARY TO CONTROL, COLLECT AND DISPOSE OF ALL SURFACE AND SUBSURFACE WATER ENCOUNTERED IN THE PERFORMANCE OF THE WORK.
16. ALL SITE WORK, INCLUDING BUT NOT LIMITED TO, BITUMINOUS PAVEMENT, ROADWAY CONSTRUCTION, AGGREGATE MATERIALS, DRAINAGE STRUCTURES, CURBING, SIDEWALK, LANDSCAPING, SAW CUTTING, ETC. SHALL CONFORM TO THE RHODE ISLAND DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROADWAY AND BRIDGE CONSTRUCTION, 2004 EDITION (WITH LATEST APPENDIX, THE RIDOT STANDARD DETAILS, 1998 EDITION (WITH LATEST APPENDIX) AND THE TOWN OF EAST GREENWICH LAND DEVELOPMENT AND SUBDIVISION REGULATIONS.
17. ALL IMPORTED FILL MATERIAL SHALL CLEAN FILL, FREE OF DEBRIS AND ORGANIC MATTER. MATERIAL SHALL BE SUBJECT TO TESTING IF SO DIRECTED BY THE TOWN ENGINEERING DEPARTMENT.

LAYOUT NOTE(S):

THE LAYOUT SHOWN REPRESENTS A GRAPHICAL DESIGN, AND PRIOR TO THE CONSTRUCTION, THE CONTRACTOR SHALL ENGAGE A PROFESSIONAL LAND SURVEYOR (PLS) REGISTERED IN THE STATE OF RHODE ISLAND TO SET AND VERIFY ALL LINES AND GRADING UTILITY LOCATIONS AND ELEVATIONS ARE TO BE CONFIRMED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. ANY ITEMS FOUND WHICH DO NOT MATCH THE PLANS MUST BE BROUGHT TO THE ENGINEER'S ATTENTION PRIOR TO CONSTRUCTION FOR REVIEW. NO WORK SHALL PROCEED UNTIL AUTHORIZED BY THE ENGINEER.

DRAINAGE SYSTEM MAINTENANCE SCHEDULE:

- 1. ALL MAINTENANCE (INCLUDING CLEANING) REQUIRED DURING THE CONSTRUCTION PHASE OF THE PROJECT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL INCLUDE:
- INSPECTION, REPAIR AND/OR REPLACEMENT OF CATCH BASIN INLET PROTECTION
- REMOVAL OF SEDIMENT FROM DRAINAGE STRUCTURES AND PIPES DURING AND FOLLOWING THE END OF CONSTRUCTION.
2. MEASURES NEEDED TO ENSURE THE PROPER OPERATION OF THE STORMWATER RUNOFF (DRAINAGE) AND WATER QUALITY CONTROL SYSTEMS TO INCLUDE INSPECTION, CLEANING AND REPAIRS TO ALL PIPES, INTAKE AND DISCHARGE STRUCTURES (INCLUDING RIP-RAP SPLASH PADS), DETENTION PONDS, SWALES, CATCH BASIN Sumps, AND MANHOLES.
3. INSPECTION OF ALL SLOPES, BERMS, AND OTHER CONTROL STRUCTURES (INCLUDING ROADWAY SIDE SLOPES, FOR STRUCTURAL INTEGRITY/STABILITY AND EVIDENCE OF SOIL EROSION PROCESSES, AND MAINTENANCE OF THESE STRUCTURES) IF NECESSARY. INSPECTIONS SHALL BE PERFORMED FOLLOWING ALL RAIN EVENTS OF 1/2 INCH RAINFALL OR MORE IN A 24-HOUR PERIOD, OR BIMONTHLY IF NO RAINFALL.
4. UPON COMPLETION OF PROJECT CONSTRUCTION, AND PRIOR TO VACATING THE SITE, THE CONTRACTOR SHALL CONDUCT A FINAL INSPECTION, REPAIR ANY VEGETATIVE SOIL EROSION AND SEDIMENTATION CONTROL MEASURES (SEEDING, PLANTING, ETC.) WHERE REQUIRED, AND REPAIR (OR REMOVE WHERE APPROPRIATE) ANY TEMPORARY SOIL EROSION AND SEDIMENTATION CONTROL DEVICES. AFTER PERMANENT SOIL STABILIZATION ON THE ENTIRE SITE HAS OCCURRED, ALL TEMPORARY CONTROL MEASURES (EXCLUDING STAKED HAYBALES) MUST BE REMOVED.
5. REPLANTING, REGRADING, OR OTHER REPAIRS NEEDED AS A RESULT OF SOIL EROSION AND SEDIMENTATION PROCESSES SHALL BE DONE PROMPTLY TO ENSURE PROPER FUNCTIONING OF THE ENTIRE SYSTEM.
6. WHEN ALL CONSTRUCTION IS COMPLETED, THE SITE HAS BEEN STABILIZED TO PREVENT EROSION AND SEDIMENTATION BY A WELL ESTABLISHED VEGETATIVE COVER, AND THE DRAINAGE IMPROVEMENTS HAVE BEEN INSPECTED AND ACCEPTED BY THE TOWN AND THE OWNER, THE PARTY RESPONSIBLE FOR LONG TERM MAINTENANCE, INSPECTION AND REPAIRS TO ALL DRAINAGE FACILITIES SHOWN ON THESE PLANS, SHALL BE THE OWNER OF THE LOT OR LOTS ON WHICH THE DRAINAGE FACILITIES ARE LOCATED INCLUDING THE UIC, DETENTION BASIN, SWALES, PIPES AND CATCHBASINS.
7. ANY TRASH, DEBRIS, ETC. SHOULD BE REMOVED FROM THE DETENTION BASIN, SUBSURFACE STORMWATER MANAGEMENT AREA, SWALE(S), INLETS, AND PIPE OUTLETS.
8. SWALES SHALL BE MOWED AT LEAST ONCE DURING THE GROWING SEASON TO PREVENT UNWANTED WOODY GROWTH.
9. SWALES AND DETENTION AREAS SHALL BE INSPECTED AFTER MAJOR STORM EVENTS OR ON AN ANNUAL BASIS. REPAIRS SHALL BE PERFORMED IMMEDIATELY AS CONDITIONS WARRANT. BARE SPOTS AND ERODED AREAS SHALL BE RESEEDED IMMEDIATELY FOLLOWING OBSERVATION. ALL LITTER AND TRASH SHALL BE REMOVED DURING INSPECTIONS.
10. CATCH BASINS, MANHOLES AND DRAIN LINES: AN INSPECTION MUST OCCUR ON AN ANNUAL BASIS BY QUALIFIED PERSONNEL TO ENSURE PROPER OPERATION. THE INSPECTION SHOULD, AS A MINIMUM, CONCENTRATE ON THE FOLLOWING:
- DAMAGE TO GRATES AND COVER
- EVIDENCE OF STANDING WATER
- DEBRIS REMOVAL
- STRUCTURAL ALIGNMENT/ INTEGRITY
- ANY DEFICIENCY NOTED DURING THE INSPECTION WILL BE IMMEDIATELY REPAIRED OR REPLACED.
12. THE GRASSED AREAS SHALL BE INSPECTED AT LEAST TWICE PER YEAR TO CHECK FOR EROSION FRAGILE AREAS. PROBLEM AREAS SHALL BE RE-SEEDING IMMEDIATELY TO STABILIZE EXPOSED SOIL, THEREBY PREVENTING EROSION AND POTENTIAL CLOGGING OF OUTFLOW DEVICES.
13. AN AREA SHALL BE SET ASIDE IN THE DEVELOPMENT SITE IN, AN UPLAND LOCATION OUTSIDE OF JURISDICTIONAL WETLANDS FOR THE PURPOSE OF SEDIMENT DISPOSAL, IF AN OFF SITE DISPOSAL AREA IS NOT FEASIBLE.
14. SEDIMENT REMOVED FROM THE BASIN(S) SHALL BE TESTED FOR HEAVY METALS AND OTHER CONTAMINANTS FOLLOWING OPERATION IF IT IS FOUND THAT SEDIMENTS ARE CONTAMINATED THEY SHALL BE TRANSPORTED TO A STATE APPROVED DISPOSAL SITE.

Table with 2 columns: NOMINAL DIA. (IN) and MIN. TRENCH WIDTH (IN). Rows include 6", 8", 10", 12", 15", 18" diameters with corresponding trench widths.

Table with 2 columns: SURFACE LIVE LOADING CONDITION and MINIMUM RECOMMENDED COVER (IN). Rows include H25 (FLEXIBLE PAVEMENT), H25 (RIGID PAVEMENT), and HEAVY CONSTRUCTION.

EROSION CONTROL & SOIL STABILIZATION PROGRAM:

- 1. DENUEDED SLOPES SHALL NOT BE LEFT UNATTENDED OR EXPOSED FOR EXCESSIVE PERIODS OF TIME SUCH AS THE INACTIVE WINTER SEASON.
2. THE SEED MIX SHALL BE INOCULATED WITHIN 24 HOURS, BEFORE MIXING AND PLANTING, WITH APPROPRIATE INOCULUM FOR EACH VARIETY.
3. THE DESIGN MIX SHALL BE COMPRISED OF THE FOLLOWING CONSERVATION MIX:
MIXTURE: % BY WGT., SEEDING DATES
RED FESCUE 75 APRIL 1 - JUNE 15
COLONIAL BENTGRASS 5 AUG. 15 - OCT. 15
PERENNIAL RYEGRASS 5
BIRDSFOOT TREFLOIL 15
TOTAL 100# PER ACRE
4. TEMPORARY TREATMENTS SHALL CONSIST OF A HAY, STRAW OR FIBER MULCH OR PROTECTIVE COVERS SUCH AS A MAT OR A FIBER LINING (JUTE, BURLAP, EXCELSIOR BLANKETS). THEY SHALL BE INCORPORATED INTO THE WORK AS WARRANTED.
5. HAY OR STRAW APPLICATIONS SHOULD BE IN THE AMOUNT OF 3,000 - 4,000 LBS. PER ACRE.
6. STABILIZATION OF ONE FORM OR ANOTHER AS DESCRIBED ABOVE SHALL BE ACHIEVED IMMEDIATELY AFTER FINAL GRADING.

MAINTENANCE AND PROTECTION OF TRAFFIC NOTE(S):

- 1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MAINTENANCE AND PROTECTION OF PEDESTRIAN AND VEHICULAR TRAFFIC INCLUDING POLICE PROTECTION. ALL TEMPORARY AND VEHICULAR SIGNS, BARRICADES AND LANE CLOSURES SHALL BE IN CONFORMANCE WITH THE LATEST REVISIONS OF MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.)
2. TEMPORARY CONSTRUCTION SIGNS AND ALL APPLICABLE TRAFFIC CONTROL DEVICES SHALL BE IN PLACE PRIOR TO THE START OF WORK IN ANY AREA OPEN TO TRAFFIC.
3. THE PRIVATE VEHICLES OF CONSTRUCTION WORKERS SHALL NOT BE PARKED IN THE TOWN OF EAST GREENWICH RIGHT-OF-WAY.
4. ALL MAINTENANCE AND PROTECTION OF TRAFFIC CONTROL SETUPS, SIGNS CHANNELING DEVICES, ETC. SHALL BE IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. 2003 EDITION WITH LATEST AGENDA.
5. SIGN MOUNTINGS SHALL BE IN ACCORDANCE WITH THE R.I.D.O.T. SPECIFICATIONS FOR TEMPORARY CONSTRUCTION SIGNS.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL STATE AND LOCAL PERMITS PRIOR TO START OF CONSTRUCTION. THESE PERMITS SHALL INCLUDE BUT ARE NOT LIMITED TO, ROAD OPENING, SOIL EROSION, BUILDING, WATER CONNECTION AND SEWER CONNECTION PERMITS. CONTRACTOR SHALL REFER TO TOWN ENGINEERING AND BUILDING DEPARTMENT FOR ALL APPLICABLE PERMITS.

PAVEMENT STRUCTURE (PARKING AREA)

- 1 1/2" BITUMINOUS TOP COURSE CLASS I-1
1 1/2" BITUMINOUS SURFACE BASE COURSE
BANK RUN GRAVEL BASE
8" BANK RUN GRAVEL SUBBASE

CUT AND MATCH PAVEMENT STRUCTURE:

- 2" BITUMINOUS TOP COURSE CLASS I-1
2" BITUMINOUS SURFACE BASE COURSE
BANK RUN GRAVEL BASE
8" BANK RUN GRAVEL SUBBASE

ASPHALT EMULSION TACK COAT TO BE PLACED ON ALL BITUMINOUS COURSES PRIOR TO PAVING.

ADS Pipe Installation Notes:

- 1. FOUNDATION: WHERE THE TRENCH BOTTOM IS UNSTABLE, THE CONTRACTOR SHALL EXCAVATE TO A STABLE DEPTH AND REPLACE WITH A FOUNDATION OF CLASS I OR II MATERIAL AS DEFINED IN ASTM D2321, "STANDARD PRACTICE FOR INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY-FLOW APPLICATIONS," LATEST EDITION AS AN ALTERNATIVE AND AT THE DISCRETION OF THE ENGINEER, THE TRENCH BOTTOM MAY BE STABILIZED USING A WOVEN GEOTEXTILE FABRIC.
2. BEDDING: SUITABLE MATERIAL SHALL BE CLASS I, II, OR III AND INSTALLED AS REQUIRED IN ASTM D2321, LATEST EDITION. UNLESS OTHERWISE SPECIFIED BY THE ENGINEER, MINIMUM BEDDING THICKNESS SHALL BE 4" FOR 4" TO 24" DIA. & 6" FOR 30" TO 60" DIA.
3. HAUNCHING AND INITIAL BACKFILL: SUITABLE MATERIAL SHALL BE CLASS I, II, OR III AND INSTALLED AS REQUIRED IN ASTM D2321, LATEST EDITION.
4. UNLESS OTHERWISE SPECIFIED BY THE ENGINEER, MINIMUM TRENCH WIDTHS SHALL BE AS FOLLOWS:

Table with 2 columns: NOMINAL DIA. (IN) and MIN. TRENCH WIDTH (IN). Rows include 6", 8", 10", 12", 15", 18" diameters with corresponding trench widths.

Table with 2 columns: SURFACE LIVE LOADING CONDITION and MINIMUM RECOMMENDED COVER (IN). Rows include H25 (FLEXIBLE PAVEMENT), H25 (RIGID PAVEMENT), and HEAVY CONSTRUCTION.

BMP MAINTENANCE SCHEDULE:

- 1. ALL MAINTENANCE (INCLUDING CLEANING) REQUIRED DURING THE CONSTRUCTION PHASE OF THE PROJECT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL INCLUDE:
A. MEASURES NEEDED TO ENSURE THE PROPER OPERATION OF THE STORMWATER RUNOFF (DRAINAGE) AND WATER QUALITY CONTROL SYSTEMS TO INCLUDE INSPECTION, CLEANING AND REPAIRS ALL PIPES, INTAKE AND DISCHARGE STRUCTURES, CATCH BASIN Sumps, AND MANHOLES.
B. INSPECTION OF ALL SLOPES, BERMS, AND OTHER CONTROL STRUCTURES FOR STRUCTURAL INTEGRITY/STABILITY AND EVIDENCE OF SOIL EROSION PROCESSES, AND MAINTENANCE OF THESE STRUCTURES IF NECESSARY. INSPECTIONS SHALL BE PERFORMED FOLLOWING ALL RAIN EVENTS OF 1/2 INCH RAINFALL OR MORE IN A 24-HOUR PERIOD, OR BI-MONTHLY IF NO RAINFALL EVENT OCCURS.
2. UPON COMPLETION OF THE PROJECT CONSTRUCTION, AND PRIOR TO VACATING THE SITE, THE CONTRACTOR SHALL CONDUCT A FINAL INSPECTION AND CLEANING OF THE DRAINAGE SYSTEM AND ALL ASSOCIATED STRUCTURES.
3. AFTER THE COMPLETION OF THE ENTIRE PROJECT TO THE SATISFACTION OF THE OWNER OR ENGINEER, ALL MAINTENANCE OF THE DRAINAGE SYSTEM SHALL THEN BE THE RESPONSIBILITY OF THE OWNER OR HIS/HER APPROVED AGENTS.
4. AFTER THE COMPLETION OF PROJECT CONSTRUCTION AND THE FINAL STABILIZATION OF THE ENTIRE SITE, THE INSPECTION AND MAINTENANCE OF ALL STORMWATER FACILITIES MUST BE PERFORMED AS FOLLOWS:
A. ANY REQUIRED REPAIR AND REPLACEMENT OF DRAINAGE STRUCTURES OR FACILITIES SHALL BE DONE PROMPTLY TO ENSURE PROPER FUNCTIONING OF THE SYSTEM.
B. CATCH BASINS, MANHOLES, AND INFILTRATION SYSTEMS SHALL BE INSPECTED AT LEAST ONCE PER YEAR AND ANY SEDIMENT OR DEBRIS WITHIN THE Sumps SHALL BE REMOVED. SEDIMENTS SHALL BE REMOVED FROM THE DETENTION BASIN DURING THE FIRST YEAR OF OPERATION AND EVERY YEAR THEREAFTER. MORE FREQUENT REMOVALS MAY BE NECESSARY IF THE SEDIMENT STORAGE CAPACITY OF THE FOREBAY OR POND IS EXCEEDED OR WHEN THE SEDIMENT DEPTHS REACH 6 INCHES, WHICHEVER COMES FIRST.
C. ALL DESIGN, CLEANING, AND MAINTENANCE OF THE STORMWATER DRAINAGE SYSTEM SHALL FOLLOW AT LEAST THE RHODE ISLAND DEPARTMENT OF TRANSPORTATION MINIMUM STANDARDS, SECTION 206.2000 AND SECTION 701.9040. WHERE APPROPRIATE, PROCEDURES REGARDING THE DRAINAGE DESIGN, AND THE INSPECTION AND MAINTENANCE OF THE STORMWATER DRAINAGE SYSTEM SHALL BE FOLLOWED AS OUTLINED IN THE "RHODE ISLAND STORMWATER DESIGN AND INSTALLATION STANDARDS MANUAL" (RIDEM/RICRMC, SEPT. 1, 1993).
D. ANY TRASH, DEBRIS, ETC. SHOULD BE REMOVED FROM WETLAND AREAS, DETENTION BASINS, SWALES AND PIPE OUTLETS.
E. DETENTION BASINS AND SWALES SHALL BE MOWED AT LEAST ONCE DURING THE GROWING SEASON TO PREVENT UNWANTED WOODY GROWTH.
F. SWALES AND DETENTION AREAS; SHALL BE INSPECTED AFTER MAJOR STORM EVENTS OR AN ANNUAL BASIS. REPAIRS SHALL BE PERFORMED IMMEDIATELY AS CONDITIONS WARRANT. BARE SPOTS AND ERODED AREAS SHALL BE RESEEDED IMMEDIATELY FOLLOWING OBSERVATION. ALL LITTER AND TRASH SHALL BE REMOVED DURING INSPECTIONS.
G. CATCH BASINS, MANHOLES AND DRAIN LINES: AN INSPECTION MUST OCCUR ON AN ANNUAL BASIS BY QUALIFIED PERSONNEL TO ENSURE PROPER OPERATION. THE INSPECTION SHOULD, AS A MINIMUM, CONCENTRATE ON THE FOLLOWING:
- DAMAGE TO GRATES AND/OR COVER
- EVIDENCE OF STANDING WATER
- DEBRIS REMOVAL
- STRUCTURAL ALIGNMENT/ INTEGRITY
ANY DEFICIENCY NOTED DURING THE INSPECTION SHALL BE IMMEDIATELY REPAIRED OR REPLACED.
H. SEDIMENT REMOVAL: ALL REMOVED SEDIMENT IS TO BE TESTED TO DETERMINE POLLUTANT CONTENT. THE SEDIMENT IS TO BE PROPERLY DISPOSED IN UPLAND AREAS BASED UPON THE TEST RESULTS AND LOCAL, STATE, AND FEDERAL REGULATIONS.
I. SEDIMENT SHALL BE REMOVED FROM THE DRAINAGE STRUCTURE (I.E. CATCH BASIN, MANHOLE Sumps) & UIC ON A MINIMUM OF 8 YEARS AND EVERY 9 YEARS FOR THE DETENTION BASIN SEDIMENT FORBAY. IF SEDIMENT ACCUMULATION IS ADVERSELY IMPACTING THE FUNCTION OF THE BMP, PROMPT REMOVAL AND DISPOSAL SHALL BE PERFORMED IMMEDIATELY.

REQUIRED INFILTRATION SETBACKS:

- 1. THE PROPOSED INFILTRATION SYSTEM MEETS THE 3' MINIMUM SEPARATION DISTANCE BETWEEN THE DESIGN BOTTOM OF THE STRUCTURE AND THE SEASONAL HIGH WATER TABLE.
2. THE PROPOSED INFILTRATION SYSTEM MEETS THE 4' MINIMUM SEPARATION DISTANCE FROM THE SEASONAL HIGH WATER TABLE FOR SOILS WITH AN INFILTRATION RATE GREATER THAN 7.5 INCHES PER HOUR.
3. THE PROPOSED INFILTRATION SYSTEM MEETS THE 5' MINIMUM SEPARATION DISTANCE BETWEEN THE DESIGN BOTTOM OF THE STRUCTURE AND BEDROCK.
4. THE PROPOSED INFILTRATION SYSTEM IS NOT WITHIN 25 FEET OF ANY SEPTIC SYSTEM COMPONENT.
5. THE PROPOSED INFILTRATION SYSTEM IS NOT WITHIN 400 FEET OF A PUBLIC WELL.
6. THE PROPOSED INFILTRATION SYSTEM IS NOT WITHIN 100 FEET OF A PRIVATE WELL.
7. THE PROPOSED INFILTRATION SYSTEM IS NOT WITHIN 200 FEET OF ANY SURFACE DRINKING WATER SUPPLIES AND THEIR RESPECTIVE TRIBUTARIES.
8. THE PROPOSED INFILTRATION SYSTEM IS NOT WITHIN 150 FEET OF ANY COASTAL FEATURE.
9. THE PROPOSED INFILTRATION SYSTEM IS NOT WITHIN 50 FEET OF ANY SURFACE WETLAND OR COASTAL WETLAND.
10. THE PROPOSED INFILTRATION SYSTEM IS NOT WITHIN 10 FEET OF ANY BUILDING FOUNDATION AND THE PROPOSED FOUNDATION FLOOR ELEVATION IS ABOVE THE INVERT OF THE PROPOSED INFILTRATION SYSTEM.

SOIL EROSION AND SEDIMENTATION CONTROL NOTE(S):

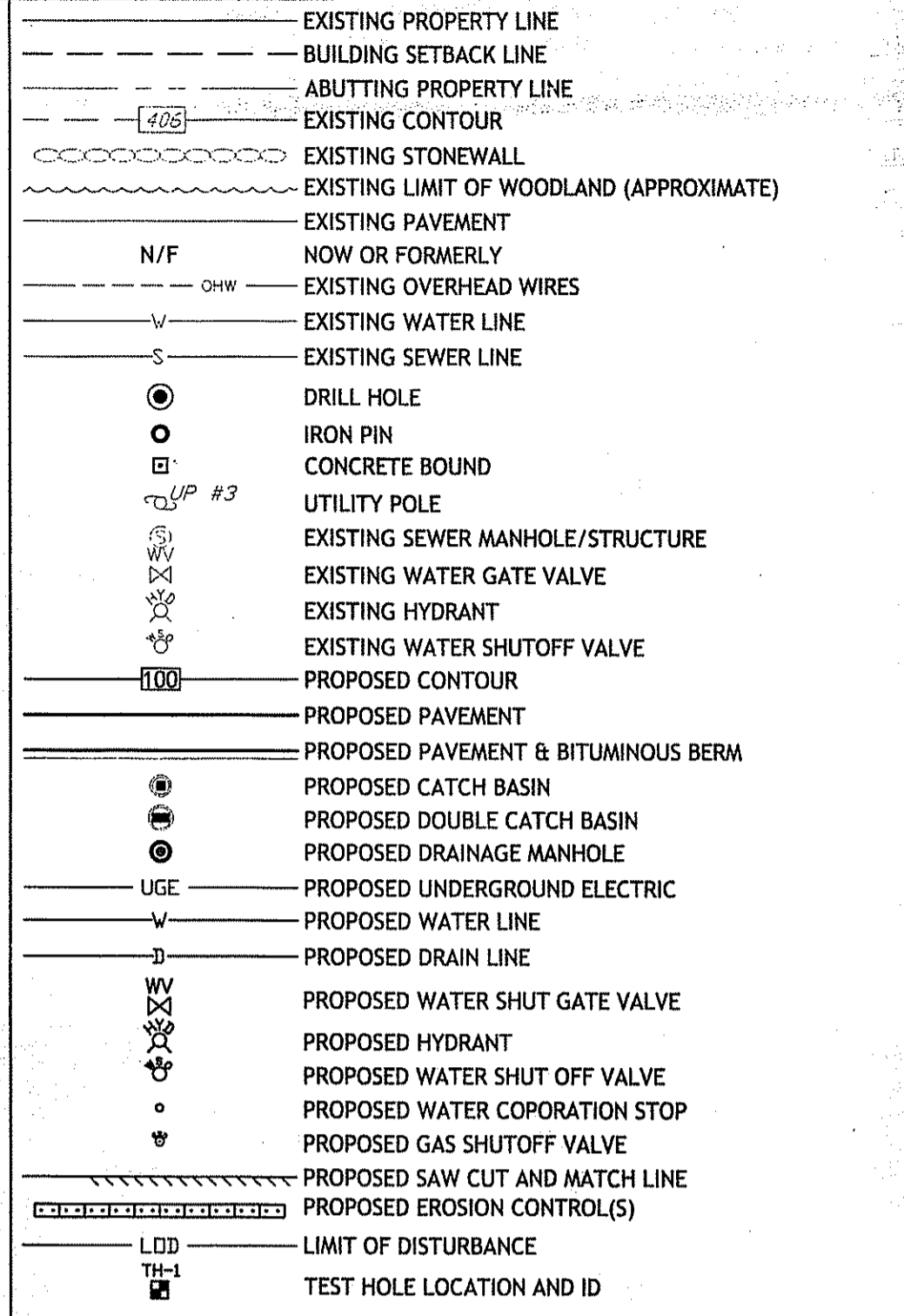
- 1. THE LIMIT OF DISTURBANCE (LOD) LINE ILLUSTRATED ON THESE PLANS SHALL SERVE AS THE STRICT LIMIT OF DISTURBANCE FOR THE PROJECT.
2. THE LIMITS OF CLEARING, GRADING, AND DISTURBANCE SHALL BE KEPT TO A MINIMUM WITHIN THE PROPOSED AREA OF CONSTRUCTION. ALL AREAS OUTSIDE OF THESE LIMITS, AS DEPICTED ON THE PLAN SHALL BE TOTALLY UNDISTURBED, TO REMAIN IN NATURAL CONDITION.
3. ALL CATCH BASINS AND CULVERTS SHALL BE PROTECTED WITH STAKED HAYBALES (R.I. STD. 9.8.0) DURING CONSTRUCTION ACTIVITIES. ALL PROPOSED STORM WATER DISCHARGE AREAS SHALL BE LINED WITH A RIPRAP SPLASH PAD AND PROTECTED WITH STAKED HAYBALE OUTLET PROTECTION (R.I. STD. 9.1.0), OR STAKED HAYBALE FOUNDATION AND THE PROPOSED FOUNDATION FLOOR ELEVATION IS ABOVE THE INVERT OF THE PROPOSED INFILTRATION SYSTEM.
4. ALL DISTURBED SLOPES EITHER NEWLY CREATED OR CURRENTLY EXPOSED SHALL BE SEEDDED, PROTECTED AND MAINTAINED BY THE CONTRACTOR. THE CONTRACTOR SHALL REGULARLY CHECK ALL SEEDDED AREAS TO ENSURE THAT A GOOD STAND IS MAINTAINED.
5. ALL HAYBALES, TEMPORARY TREATMENT (HAY, STRAW, ETC.) SILT FENCE AND TEMPORARY EROSION PROTECTION SHALL BE MAINTAINED BY THE CONTRACTOR THROUGHOUT CONSTRUCTION AND SHALL REMAIN IN PLACE UNTIL AN ACCEPTABLE STAND OF GRASS OR APPROVED GROUND COVER IS ESTABLISHED.
6. STOCKPILES OF TOPSOIL SHALL NOT BE LOCATED NEAR DRAINAGE STRUCTURES. THEY SHALL HAVE SIDE SLOPES OF NO GREATER THAN 2:1 AND SHALL BE TEMPORARILY SEEDED.
7. THE HAYBALES OR SILT FENCE SHALL BE CHECKED BY THE CONTRACTOR ON A WEEKLY BASIS AND AFTER EACH STORM FOR UNDERMINING OR DETERIORATION. THE CONTRACTOR SHALL REPAIR OR REPLACE ANY HAYBALES OR SILT FENCE AS NEEDED. THE CONTRACTOR SHALL CLEAN THE ACCUMULATED SEDIMENT AT HALF OF THE ORIGINAL HEIGHT OF THE HAY-BALES BECOMES FILLED WITH SEDIMENTS.

- 1. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN ALL SOIL EROSION AND SEDIMENTATION CONTROLS ON THE PROJECT SITE FOR THE ENTIRE DURATION OF THE CONSTRUCTION PERIOD. TEMPORARY SOIL EROSION AND SEDIMENTATION CONTROLS (HAYBALES, SILT FENCE, ETC.) SHALL BE MAINTAINED UNTIL ALL EXPOSED SOILS ARE SATISFACTORILY STABILIZED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING AND/OR RESEEDING ALL AREAS THAT DO NOT DEVELOP WITHIN ONE YEAR FROM THE COMPLETION OF CONSTRUCTION.
9. ALL REFERENCED SOIL EROSION AND SEDIMENTATION CONTROLS INCLUDING MATERIALS USED, APPLICATION RATES AND THE INSTALLATION PROCEDURES SHALL BE PERFORMED PER THE "RHODE ISLAND EROSION AND SEDIMENTATION HANDBOOK", DATED 1993.
9. ALL REFERENCED SOIL EROSION AND SEDIMENTATION CONTROLS INCLUDING MATERIALS USED, APPLICATION RATES AND THE INSTALLATION PROCEDURES SHALL BE PERFORMED PER THE "RHODE ISLAND EROSION AND SEDIMENTATION HANDBOOK", DATED 1993.

GENERAL CONTRACTOR NOTES & REQUIREMENTS:

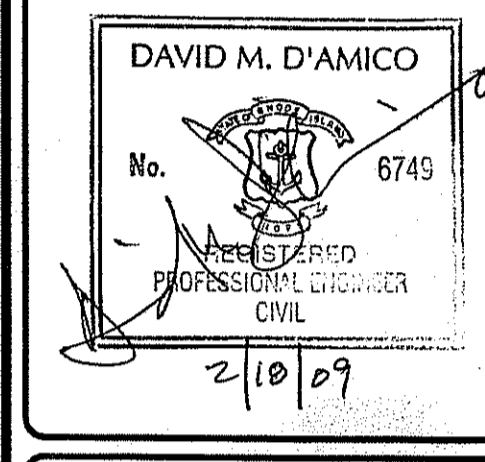
- 1. THE CONTRACTOR IS TO NOTIFY DIG SAFE PRIOR TO CONSTRUCTION.
2. A PRE-CONSTRUCTION MEETING IS REQUIRED. THE TOWN ENGINEER SHALL BE NOTIFIED PRIOR TO CONSTRUCTION.
3. CONTRACTOR TO OBTAIN ALL FEDERAL, STATE, AND MUNICIPAL APPROVALS (IF APPLICABLE) PRIOR TO THE START OF CONSTRUCTION.
4. ALL WORK PERFORMED HEREIN SHALL BE COVERED BY THE RHODE ISLAND STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION AND THE TOWN OF EAST GREENWICH STANDARD SPECIFICATIONS AND DETAILS.
5. ALL DRAINAGE PIPE TO BE ADS N-12 UNLESS, OTHERWISE SPECIFIED ON PLANS.
6. ALL CATCH BASINS AND MANHOLES TO BE 4FT DIAMETER UNLESS SPECIFIED OTHERWISE.
7. COMPACT, LOAM & SEED ALL DISTURBED AREAS. ADDITIONAL EROSION CONTROLS MAY BE REQUIRED BY THE SITE OR TOWN ENGINEER.
8. AN APPROVED SET OF PLANS AND ALL APPLICABLE PERMITS MUST BE AVAILABLE AT THE CONSTRUCTION SITE. DEVIATIONS OR CHANGES WILL NOT BE ALLOWED UNLESS APPROVED BY THE ENGINEER.
9. THE CONTRACTOR SHALL VERIFY THE PROPOSED LAYOUT WITH ITS RELATIONSHIP TO THE EXISTING SITE SURVEY. THE CONTRACTOR SHALL ALSO VERIFY ALL DIMENSIONS, SITE CONDITIONS, AND MATERIAL SPECIFICATIONS AND SHALL NOTIFY THE OWNER AND ENGINEER OF ANY ERRORS, OMISSIONS OR DISCREPANCIES BEFORE COMMENCING OR PROCEEDING WITH WORK.
10. METHODS AND MATERIALS USED IN THE CONSTRUCTION OF IMPROVEMENTS FOR THIS PROJECT SHALL CONFORM TO THE CURRENT CONSTRUCTION STANDARDS AND SPECIFICATIONS OF THE TOWN OF EAST GREENWICH AND THE RHODE ISLAND DEPARTMENT OF TRANSPORTATION.
11. THE CONTRACTOR SHALL MAKE EXPLORATORY EXCAVATIONS AND LOCATE AND EXISTING UTILITIES SUFFICIENTLY AHEAD OF CONSTRUCTION VERIFY ALL DIMENSIONS, SITE CONDITIONS, AND MATERIALS SPECIFICATIONS AND SHALL NOTIFY THE OWNER AND ENGINEER OF ANY ERRORS, OMISSIONS OR DISCREPANCIES BEFORE COMMENCING OR PROCEEDING WITH WORK.
12. CONTRACTORS SHALL NOTIFY OPERATORS WHO MAINTAIN UNDERGROUND UTILITY LINES IN THE AREA OF PROPOSED EXCAVATION OR BLASTING AT LEAST TWO WORKING DAYS, BUT NOT MORE THEN TEN WORKING DAYS, PRIOR TO COMMENCEMENT OF EXCAVATION OR DEMOLITION. ALL WATER, GAS, SEWER AND OTHER UTILITIES SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION.
13. THE CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE TOWN AND ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL AND ALLEGED IN CONNECTION WITH THE PERFORMANCE OF WORK ON THE PROJECT, EXCEPTING FOR LIABILITY ARISING FROM "THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER."
14. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE LOCATION OF ALL EXISTING UNDERGROUND UTILITIES AND TO TAKE WHATEVER STEPS NECESSARY TO PROVIDE FOR THEIR PROTECTION. THE ENGINEER HAS DILIGENTLY ATTEMPTED TO LOCATE AND INDICATE ALL EXISTING FACILITIES ON THESE PLANS; HOWEVER, THIS INFORMATION IS SHOWN FOR THE CONTRACTORS CONSIDERATION ONLY. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE LOCATIONS OF UTILITIES SHOWN OR NOT SHOWN. THE CONTRACTOR SHALL CONTACT THE UTILITY COMPANIES FOR EXACT LOCATION OF THEIR UTILITIES PRIOR TO STARTING CONSTRUCTION. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR AND REPLACE ANY AND ALL DAMAGED MADE TO UTILITIES BY THE CONTRACTOR.

LEGEND



DRAINAGE SYSTEM NOTES:

- 1. ALL RIM ELEVATIONS SHOWN ARE APPROXIMATE AND ARE TO BE SET FLUSH WITH FINAL GRADES.
2. THE DESIGN ENGINEER MUST SUBMIT AN AS BUILT PLAN AND A CERTIFICATION TO THE TOWN ENGINEER THAT THE CONSTRUCTION IS IN COMPLIANCE WITH THE DESIGN PLANS FOR ALL ELEMENTS OF THE STORM OR DRAINAGE SYSTEM PRIOR TO THE ISSUANCE OF THE CERTIFICATE OF OCCUPANCY.
3. THE PROPOSED DRAINAGE LINES SHALL BE ADS N-12 (HDP)E OR AN APPROVED EQUAL AS INDICATED ON THESE PLANS.
4. STORMTECH INFILTRATION SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATIONS AND AS SHOWN ON THESE PLANS.
5. ALL SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH H-20 LOADING CHARACTERISTICS.
6. STONE BEDDING FOR THE STORMTECH SYSTEMS SHALL BE 1 1/2" TO 2" WASHED STONE.



TEMPLE TORAT YISRAEL
EAST GREENWICH, RHODE ISLAND
AP 12G LOTS 436 & 437

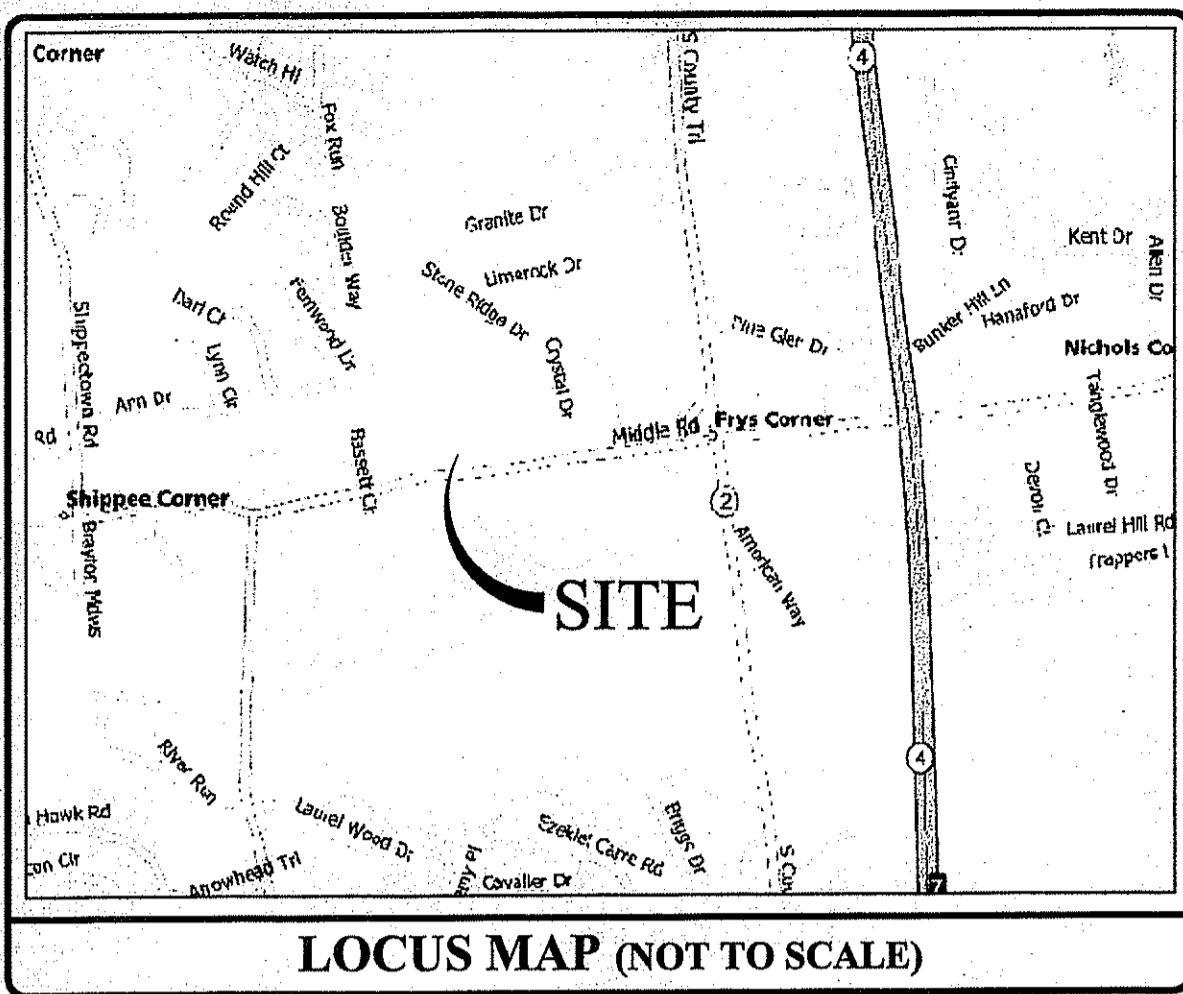
Table with 3 columns: NO., DATE, DESCRIPTION. Row 1: 1, 2/18/09, RIDEM COMMENTS.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED MAR 25 2009 FILE # 08-0368
Charles A. Harbert

PRELIMINARY PLAN, NOT FOR CONSTRUCTION

GENERAL NOTES & LEGEND

SHEET 2 OF 11



GENERAL NOTE(S):

- CLASS I PROPERTY LINE SURVEY OBTAINED FROM CATALDO ASSOCIATES INC. PLAN ENTITLED: "ADMINISTRATIVE SUBDIVISION, A.P. 126, LOTS 436 & 437, 1251 & 1261 MIDDLE ROAD, EAST GREENWICH, RHODE ISLAND, PREPARED FOR RICHARD G. PETERSON, PREPARED BY CATALDO ASSOCIATES INC., DATED APRIL 2, 2007".
- THE LOCATION AND DEPTH OF EXISTING UTILITIES ARE APPROXIMATE AND HAVE BEEN PLOTTED FROM THE LATEST AVAILABLE INFORMATION. THE UTILITY LOCATIONS ARE APPROXIMATE AND MAY NOT BE ALL INCLUSIVE. THE CONTRACTOR SHALL CHECK AND VERIFY THE LOCATIONS OF ALL EXISTING UTILITIES, BOTH OVERHEAD AND UNDERGROUND, AND "DIG-SAFE" MUST BE NOTIFIED PRIOR TO COMMENCING ANY CONSTRUCTION OPERATIONS. RESTORATION AND REPAIR OF DAMAGE TO EXISTING UTILITIES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR WITH NO ADDITIONAL COST TO THE OWNER. NO EXCAVATION SHALL COMMENCE UNTIL ALL INVOLVED UTILITY COMPANIES AND/OR CITY WHOSE FACILITIES MIGHT BE AFFECTED BY ANY WORK TO BE PERFORMED BY THE CONTRACTOR ARE NOTIFIED AT LEAST 72 HOURS IN ADVANCE.
- BASED ON THE SOIL SURVEY OF RHODE ISLAND, SUBSURFACE SOILS ON THE SITE CONSIST OF BRIDGEHAMPTON-CHARLTON COMPLEX, VERY STONY, 0 TO 8 PERCENT SLOPES (bnB) AND RIDGEBURY, WHITMAN AND LEICESTER EXTREMELY STONY FINE SANDY LOAMS (Rf), HYDROLOGIC CLASS B & C, RESPECTIVELY.
- WETLANDS HAVE BEEN VERIFIED BY RIDEM (VERIFICATION # 07-0097).
- BASED ON FEMA FLOOD INSURANCE RATE MAP FOR THE TOWN OF EAST GREENWICH, COMMUNITY-PANEL NUMBER FM 445397 0001 B REVISED FEBRUARY 16, 1983, THE SITE IS LOCATED PARTIALLY IN FLOOD ZONE "C" (AREAS OF MINIMAL FLOODING) AND PARTIALLY IN FLOOD ZONE "A" (AREAS OF 100-YEAR FLOOD; BASE FLOOD ELEVATIONS AND FLOOD HAZARD FACTORS NOT DETERMINED).
- SOIL EVALUATIONS COMPLETED BY CASALI & D'AMICO ENGINEERING, INC., AUGUST 14, 2008.
- THERE ARE NO HISTORICAL CEMETERIES OR AREAS OF HISTORICAL IMPORTANCE ON THE SUBJECT PARCEL.
- THERE ARE NO AREAS OF ACTIVE AGRICULTURAL USE LOCATED ON THE SUBJECT PARCEL.

DIMENSIONAL REGULATIONS:
ZONE: F-1 (FARMING DISTRICT)

AREA	1 ACRES
FRONTAGE	150 FT.
SETBACKS:	
FRONT	60 FT.
SIDE	30 FT.
REAR	45 FT.
LOT COVERAGE (MAX)	25%
MAX IMPERVIOUS	60%
MAX BLD HEIGHT	35 FT.

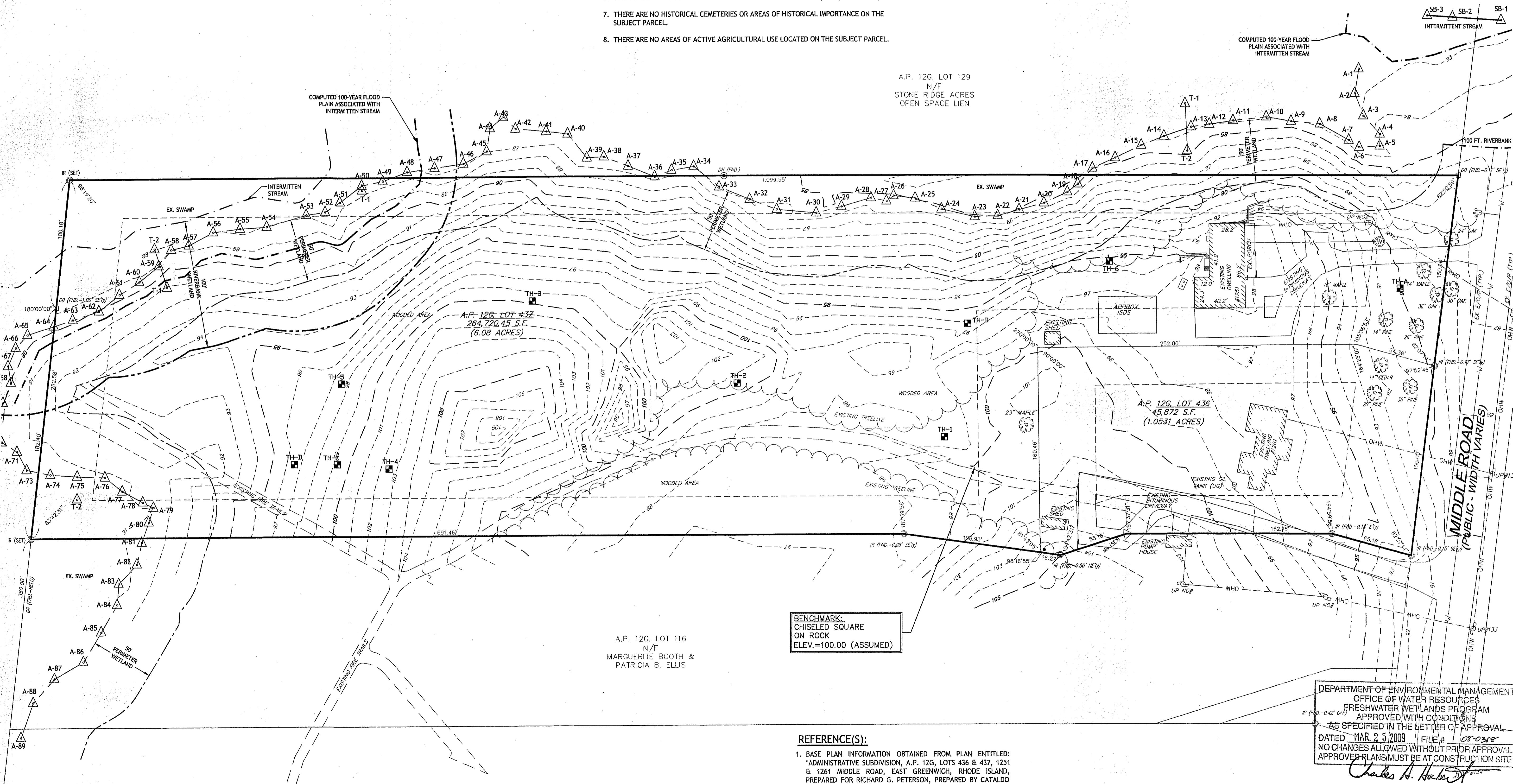
LEGEND

- EXISTING PROPERTY LINE
- - - - - ABUTTER PROPERTY LINE
- - - - - BUILDING SETBACK LINE
- - - - - EXISTING CONTOUR
- - - - - EXISTING OVERHEAD WIRES
- - - - - EXISTING WATER LINE
- - - - - EXISTING CESSPOOL
- - - - - NOW OR FORMERLY
- - - - - EXISTING LIMIT OF WOODLAND (APPROXIMATE)
- - - - - EXISTING STONEWALL
- GRANITE BOUND
- IRON ROD
- UTILITY POLE
- TP-3
- TP-3
- △ A-1 TEST HOLE LOCATION AND ID
- VERIFIED WETLAND EDGE
- EXISTING WELL

CDE
CASALI & D'AMICO ENGINEERING, INC.
CIVIL ENGINEERING, SURVEYING, PHOTOGRAMMETRY
DRINKWATER - 3000 POST ROAD, WARWICK, RI 02888
(401) 844-1300 (401) 844-3133 fax www.casaliandamico.com

DAVID M. D'AMICO
No. 6749
2/18/09

TEMPLE TORAT YISRAEL
EAST GREENWICH, RHODE ISLAND
AP 126 LOTS 436 & 437

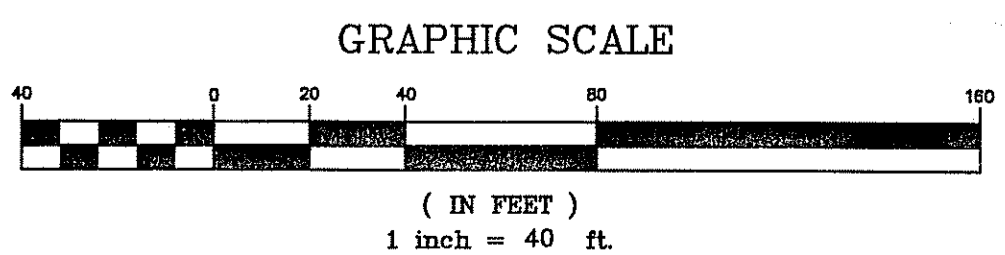


BENCHMARK:
CHISELED SQUARE
ON ROCK
ELEV.=100.00 (ASSUMED)

REFERENCE(S):

- BASE PLAN INFORMATION OBTAINED FROM PLAN ENTITLED: "ADMINISTRATIVE SUBDIVISION, A.P. 126, LOTS 436 & 437, 1251 & 1261 MIDDLE ROAD, EAST GREENWICH, RHODE ISLAND, PREPARED FOR RICHARD G. PETERSON, PREPARED BY CATALDO ASSOCIATES INC., DATED APRIL 2, 2007".
- TOPOGRAPHICAL INFORMATION OBTAINED FROM PLAN ENTITLED: "TEMPLE TORAT YISRAEL, CONCEPTUAL SITE DEVELOPMENT PLAN, A.P. 126 / LOTS 436 & 437, 1251 MIDDLE ROAD, EAST GREENWICH, RHODE ISLAND, PREPARED FOR TEMPLE TORAT YISRAEL, PREPARED BY FUSS & O'NEILL, DATED FEBRUARY 2007".

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED MAR 25 2009 FILE # 08-038
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Charles A. Hackett



REVISIONS:

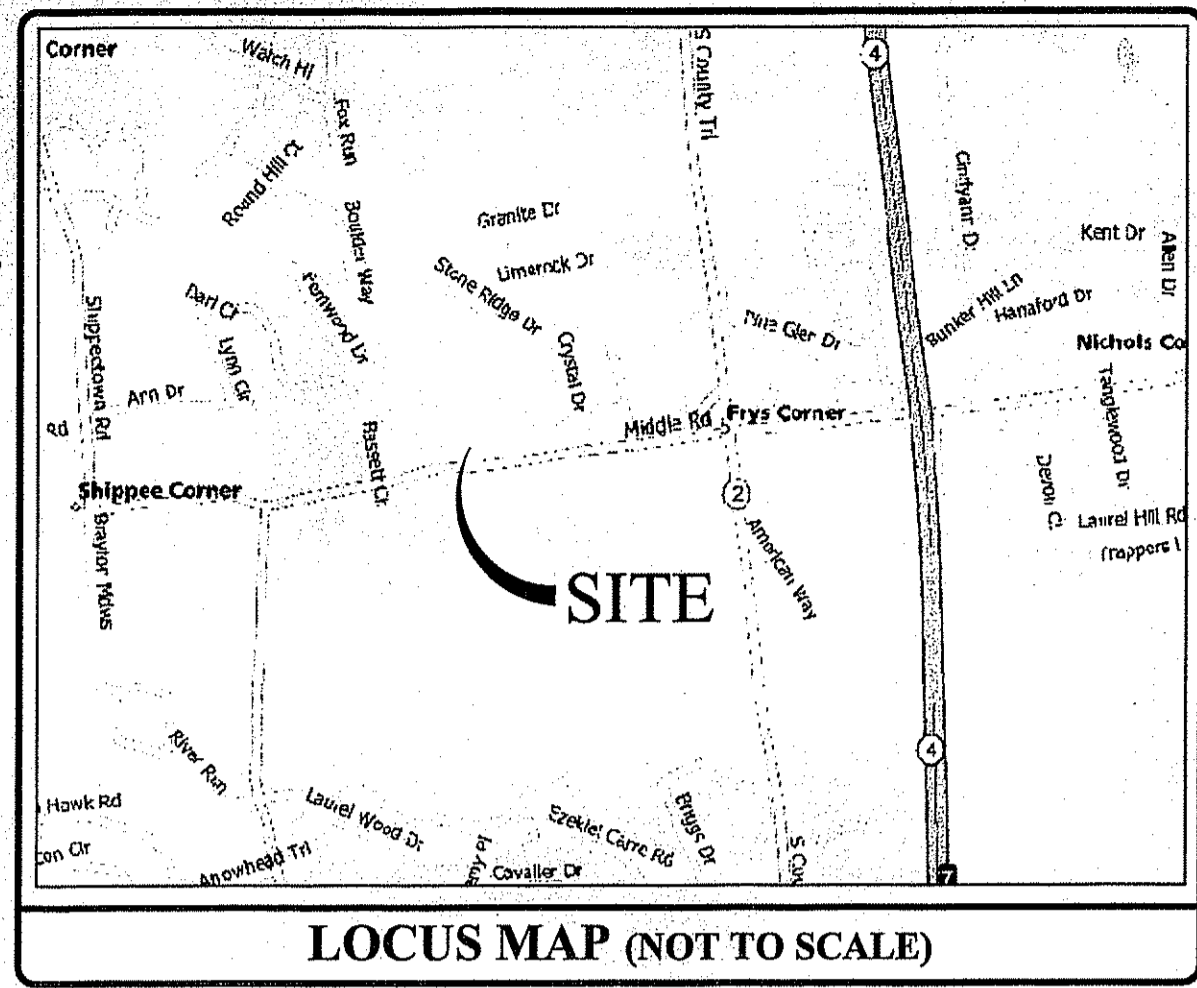
NO.	DATE	DESCRIPTION
1	2/18/09	RIDEM COMMENTS

DESIGNED BY: JEA
DRAWN BY: JEA
CHECKED BY: DMD
DATE: NOVEMBER 08
PROJECT NO: 08-35

PRELIMINARY PLAN, NOT FOR CONSTRUCTION

EXISTING CONDITIONS

SHEET 3 OF 11



GENERAL NOTE(S):

1. THE OWNER & APPLICANT OF ASSESSOR'S PLAT 12G, LOT 437 IS TEMPLE TORAT YISRAEL, 330 PARK AVE, CRANSTON, RHODE ISLAND 02905.
2. THE OWNER & APPLICANT OF ASSESSOR'S PLAT 12G, LOT 436 IS BETTE LAURENT, 1261 MIDDLE ROAD, EAST GREENWICH, RHODE ISLAND 02818.
3. THE SUBJECT PARCEL(S) ARE SITUATED ENTIRELY WITHIN A F-1 (FARMING DISTRICT) ZONE.
4. PROVIDE GRANITE BOUND MARKERS AT ALL CORNERS AND TURNING POINTS IN ACCORDANCE WITH SECTION 915 OF THE RHODE ISLAND STANDARDS SPECIFICATIONS.

REFERENCE(S):

1. BASE PLAN INFORMATION OBTAINED FROM PLAN ENTITLED: "ADMINISTRATIVE SUBDIVISION, A.P. 12G, LOTS 436 & 437, 1251 & 1261 MIDDLE ROAD, EAST GREENWICH, RHODE ISLAND, PREPARED FOR RICHARD G. PETERSON, PREPARED BY CATALDO ASSOCIATES INC., DATED APRIL 2, 2007."
2. TOPOGRAPHICAL INFORMATION OBTAINED FROM PLAN ENTITLED: "TEMPLE TORAT YISRAEL CONCEPTUAL SITE DEVELOPMENT PLAN, A.P. 12G / LOTS 436 & 437, 1251 MIDDLE ROAD, EAST GREENWICH, RHODE ISLAND, PREPARED FOR TEMPLE TORAT YISRAEL, PREPARED BY FUSS & O'NEILL, DATED FEBRUARY 2007."

**DIMENSIONAL REGULATIONS:
ZONE: F-1 (FARMING DISTRICT)**

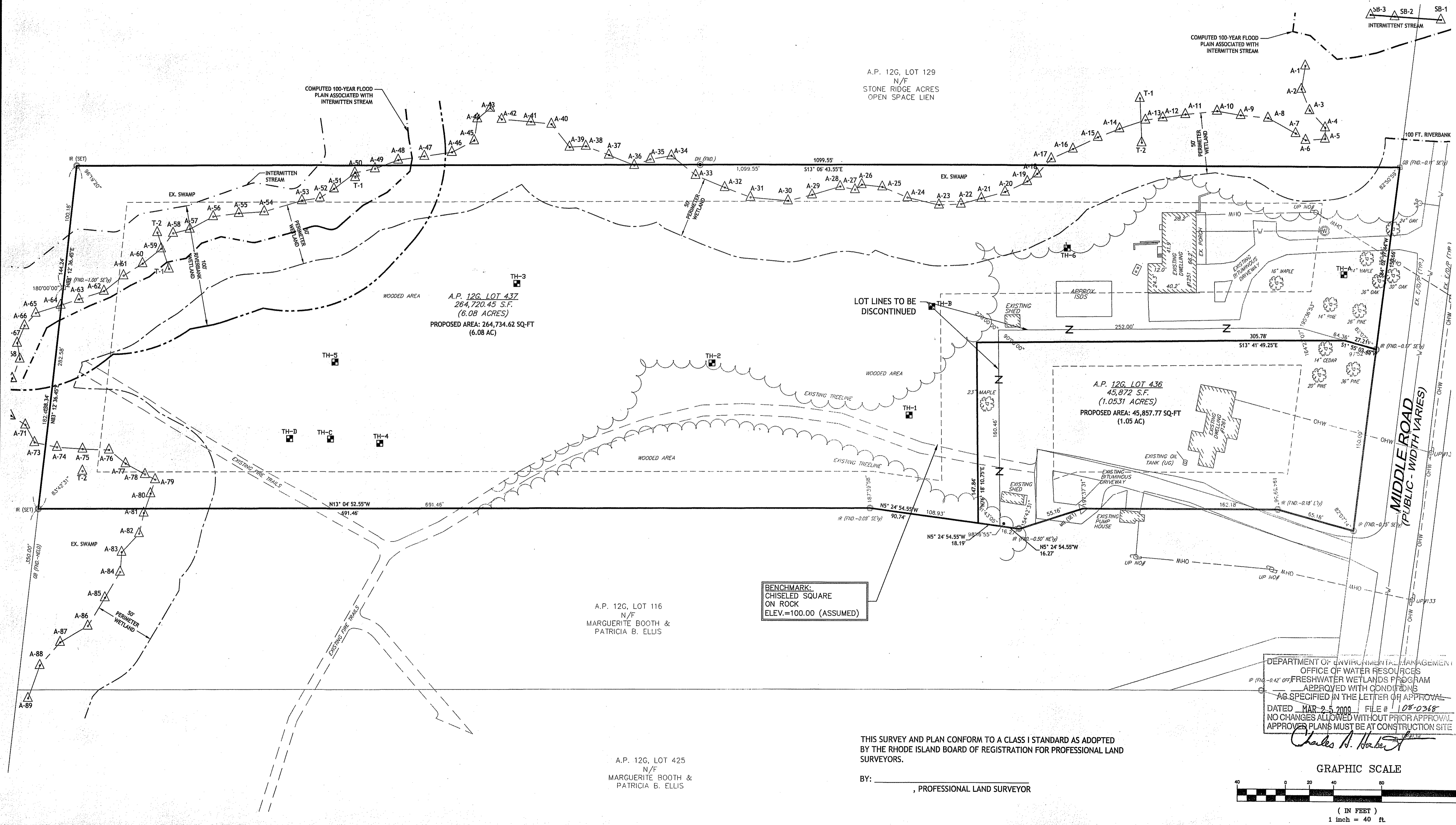
AREA	1 ACRES
FRONTAGE	150 FT.
SETBACKS:	
FRONT	60 FT.
SIDE	30 FT.
REAR	45 FT.
LOT COVERAGE (MAX)	25%
MAX IMPERVIOUS	60%
MAX BLD HEIGHT	35 FT.

LEGEND

	EXISTING PROPERTY LINE
	ABUTTER PROPERTY LINE
	BUILDING SETBACK LINE
	EXISTING CONTOUR
	EXISTING OVERHEAD WIRES
	EXISTING WATER LINE
	EXISTING CESSPOOL
	NOW OR FORMERLY EXISTING LIMIT OF WOODLAND (APPROXIMATE)
	EXISTING STONEWALL
	GRANITE BOUND
	IRON ROD
	UTILITY POLE
	TEST HOLE LOCATION AND ID
	VERIFIED WETLAND EDGE
	EXISTING WELL

"I DO HEREBY CERTIFY THAT THIS SUBDIVISION PLAT MEETS THE REQUIREMENTS OF THE EAST GREENWICH LAND DEVELOPMENT AND SUBDIVISION REVISED REGULATIONS AND IS NOW ELIGIBLE FOR RECORDING."

DATE: _____ PLANNING DIRECTOR



DAVID M. DIAMICO
No. 6749
REGISTERED PROFESSIONAL ENGINEER
CIVIL
2/18/09

**TEMPLE TORAT YISRAEL
EAST GREENWICH, RHODE ISLAND
AP 12G LOTS 436 & 437**

REVISIONS:

NO.	DATE	DESCRIPTION
1	2/18/09	RIDEM COMMENTS

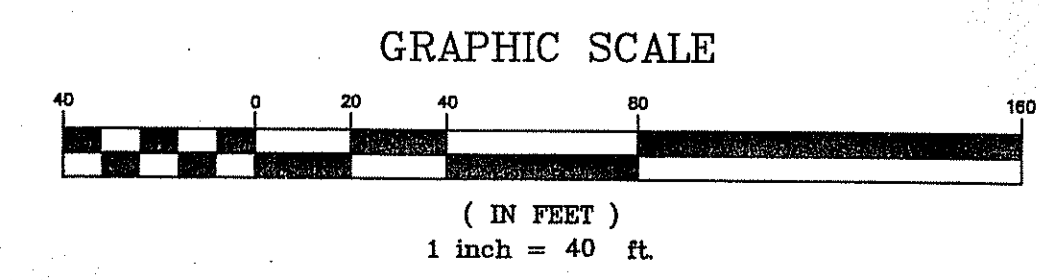
DESIGNED BY: JEA
DRAWN BY: JEA
CHECKED BY: DMD
DATE: NOVEMBER 08
PROJECT NO: 08-35

PRELIMINARY PLAN, NOT FOR CONSTRUCTION

ADMINISTRATIVE SUBDIVISION

SHEET 4 OF 11

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED MAR 25 2009 FILE # 108-0368
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVER PLANS MUST BE AT CONSTRUCTION SITE
Charles A. Herbert



Q:\08-35 Temple Torat Yisrael\DWG_Preliminary\08-35-PRELIMINARY PLAN-R1.dwg Feb. 18, 2009 3:33pm

A.P. 12G, LOT 425
N/F
MARGUERITE BOOTH & PATRICIA B. ELLIS

THIS SURVEY AND PLAN CONFORM TO A CLASS I STANDARD AS ADOPTED BY THE RHODE ISLAND BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS.

BY: _____, PROFESSIONAL LAND SURVEYOR

PRELIMINARY PLAN SUBMISSION

GENERAL NOTES:

1. THE OWNER OF THIS PROJECT IS TEMPLE TORAT YISRAEL, C/O SHOES AND SHOES, 1375 WARWICK AVE, WARWICK, RHODE ISLAND 02888.
2. THE APPLICANT OF THIS PROJECT IS TEMPLE TORAT YISRAEL, C/O SHOES AND SHOES, 1375 WARWICK AVE, WARWICK, RHODE ISLAND 02888
3. THE PROPOSED DEVELOPMENT SHALL BE SERVICED BY PUBLIC WATER AND ONSITE WASTEWATER TREATMENT SYSTEM.
4. CONTRACTOR SHALL PROVIDE TREE PROTECTION DEVICES IN AND AROUND AREAS DEDICATED AS NATURAL STATE AND/OR AS DIRECTED BY THE TOWN OF EAST GREENWICH.
5. EXISTING UTILITIES HAVE BEEN PLOTTED FROM BEST AVAILABLE INFORMATION. LOCATION OF ALL UNDERGROUND STRUCTURES ARE APPROXIMATE ONLY.
6. STORMWATER RUNOFF WILL BE MITIGATED WITH THE USE OF CATCH BASINS, SWALES, DETENTION BASIN AND SUBSURFACE STORAGE CHAMBERS INCORPORATING THE BEST MANAGEMENT PRACTICES OF RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT.
7. SPECIAL USE HAS BEEN GRANTED AS PER THE ZONING APPROVAL SEPTEMBER 23, 2008.
8. WETLAND EDGES HAVE BEEN VERIFIED BY RIDEM (VERIFICATION #07-0094).
9. ALL PAVEMENT MARKINGS AND SIGNAGE SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
10. UNDERLYING SITE SOILS CONSISTS OF THE FOLLOWING:
 • BRIDGEHAMPTON-CHARLTON COMPLEX (B8B): VERY STONY, 0 TO 8 PERCENT SLOPES.
 • RIDGEBURY, WHITMAN AND LEICESTER (R1): EXTREMELY STONY FINE SANDY LOAMS.
11. SEE ARCHITECTURAL CONSTRUCTION DRAWINGS FOR LANDSCAPING
12. ALL TEMPORARY CONSTRUCTION AREAS SHALL BE RESTORED TO THEIR NATURAL STATE. CONTRACTOR TO PROVIDE DENSE VEGETATION NATIVE TO THE AREA.

PROPOSED PARKING CALCULATION(S):

FOR A HOUSE OF WORSHIP USE, 1 SPACES PER 4 SEATS OF RATED CAPACITY.
 REQUIRED PARKING = (271 SEATS/4) = 68 PARKING SPACES

REQUIRED: 68 SPACES
 PROVIDED: 72 SPACES

ADA ACCESSIBLE SPACE(S) REQUIRED: 3
 ADA ACCESSIBLE SPACE(S) PROVIDED: 3

**ZONING DISTRICT: F-1
 (FARMING DISTRICT)**

AREA: 1 ACRES
 FRONTAGE: 150 FT.
 SETBACKS:
 FRONT: 60 FT.
 SIDE: 30 FT.
 REAR: 45 FT.
 LOT COVERAGE (MAX): 25%
 MAX IMPERVIOUS: 60%
 MAX BLD HEIGHT: 35 FT.

DEVELOPMENT DATA

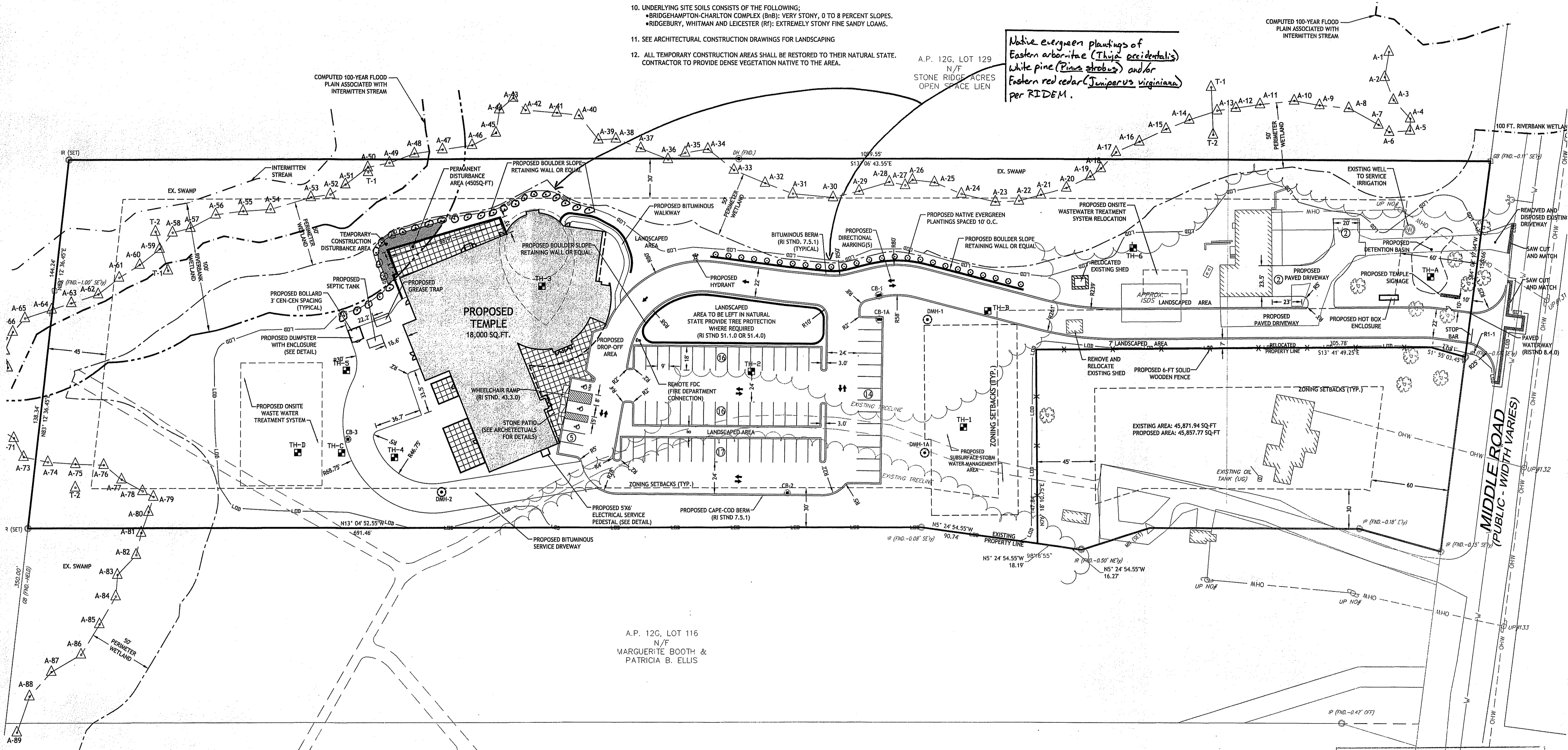
AREA OF PARCEL	6.08+ ACRES
BLD COVERAGE	0.41 ACRES (7%)
IMPERVIOUS AREA	1.27 ACRES (21%)
PARKING SPACES	72 SPACES
ADA SPACES	3 SPACES

Sign Table:

DESCR.	NAME	MUTCD CODE
STOP	STOP SIGN	R1-1
VA	VAN ACCESSIBLE	R7-8

NOTE:
 ALL SIGNAGE AND STRIPPING SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).

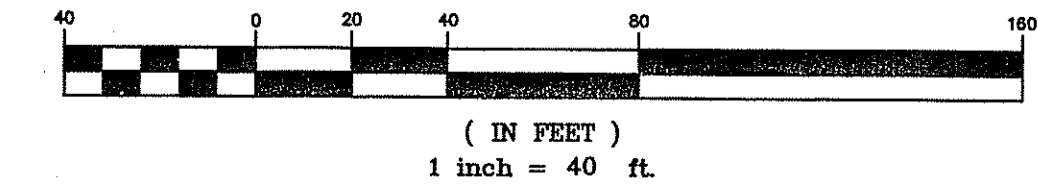
Native evergreen plantings of Eastern arbutus (*Thuja occidentalis*) white pine (*Pinus strobus*) and/or Eastern red cedar (*Juniperus virginiana*) per RIDEM.



A.P. 12G, LOT 116
 N/F
 MARGUERITE BOOTH &
 PATRICIA B. ELLIS

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS
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 DATED MAR 25 2009 FILE # 08-0368
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Charles A. Herbert
 GRAPHIC SCALE



Q:\08-35 Temple Torat Yisrael\DWG\ Preliminary\08-35-PR Preliminary Plan-RT.dwg Feb. 18, 2009 4:03pm



LOCATION OF EXISTING UTILITIES SHOWN, ARE FROM GATE LOCATION AND EXISTING DOCUMENTATION AND MAY NOT BE ACCURATE. EXACT LOCATION TO BE DONE BY THE APPROPRIATE UTILITY COMPANY OR MUNICIPALITY PRIOR TO ANY EXCAVATION CALL DIGSAFE AT 1-888-DIG-SAFE 1-888-344-7233

CASALI & D'AMICO ENGINEERING, INC.
 CIVIL - SITE DEVELOPMENT - TRANSPORTATION
 FLOODPLAIN - FLOODPLAIN
 DRAINAGE - WETLANDS - IBSIS - TRAFFIC - FLOODPLAIN
 300 POST ROAD, WARWICK, RI 02888
 (401) 846-0000 (F) 401-846-0000
 www.casaliandamico.com

DAVID M. D'AMICO
 No. 6749
 REGISTERED PROFESSIONAL ENGINEER
 CIVIL
 2/18/09

**TEMPLE TORAT YISRAEL
 EAST GREENWICH, RHODE ISLAND
 AP 12G LOTS 436 & 437**

REVISIONS:

NO.	DATE	DESCRIPTION
1	2/18/09	RIDEM COMMENTS

DESIGNED BY:	JEA
DRAWN BY:	JEA
CHECKED BY:	DMD
DATE:	NOVEMBER 08
PROJECT NO.:	08-35

PRELIMINARY PLAN, NOT FOR CONSTRUCTION

SITE LAYOUT PLAN

SHEET 5 OF 11

SYSTEM ELEVATIONS

EX. FINISH FLOOR	102.57
INV. OUT BLDG.	97.85
INV. IN SEPTIC TANK	97.80
INV. OUT SEPTIC TANK	97.55
INVERT IN D-BOX	97.42
INVERT OUT D-BOX	97.25
INVERT UNIT	97.20
BOTTOM UNIT	96.25
STONE/ SOIL INTERFACE	95.25
WATER TABLE	92.25

TEST HOLE RESULTS

DATE OF TEST 01/18/2008
W.T. CARD# 0825-0010

TEST HOLE: SE 01
WATER TABLE 96"
LEDGE AT 120"

TEST HOLE: SE 02
WATER TABLE 96"
LEDGE AT 120"

SOIL CATEGORY 3 = 0.70 GAL/SF/DAY
SOIL CATEGORY 6 = 0.61 GAL/SF/DAY

DESIGN RATE= 0.61 GAL/SF/DAY
PER LIMITING SOIL LAYER CATEGORY 6

DESIGN DATA

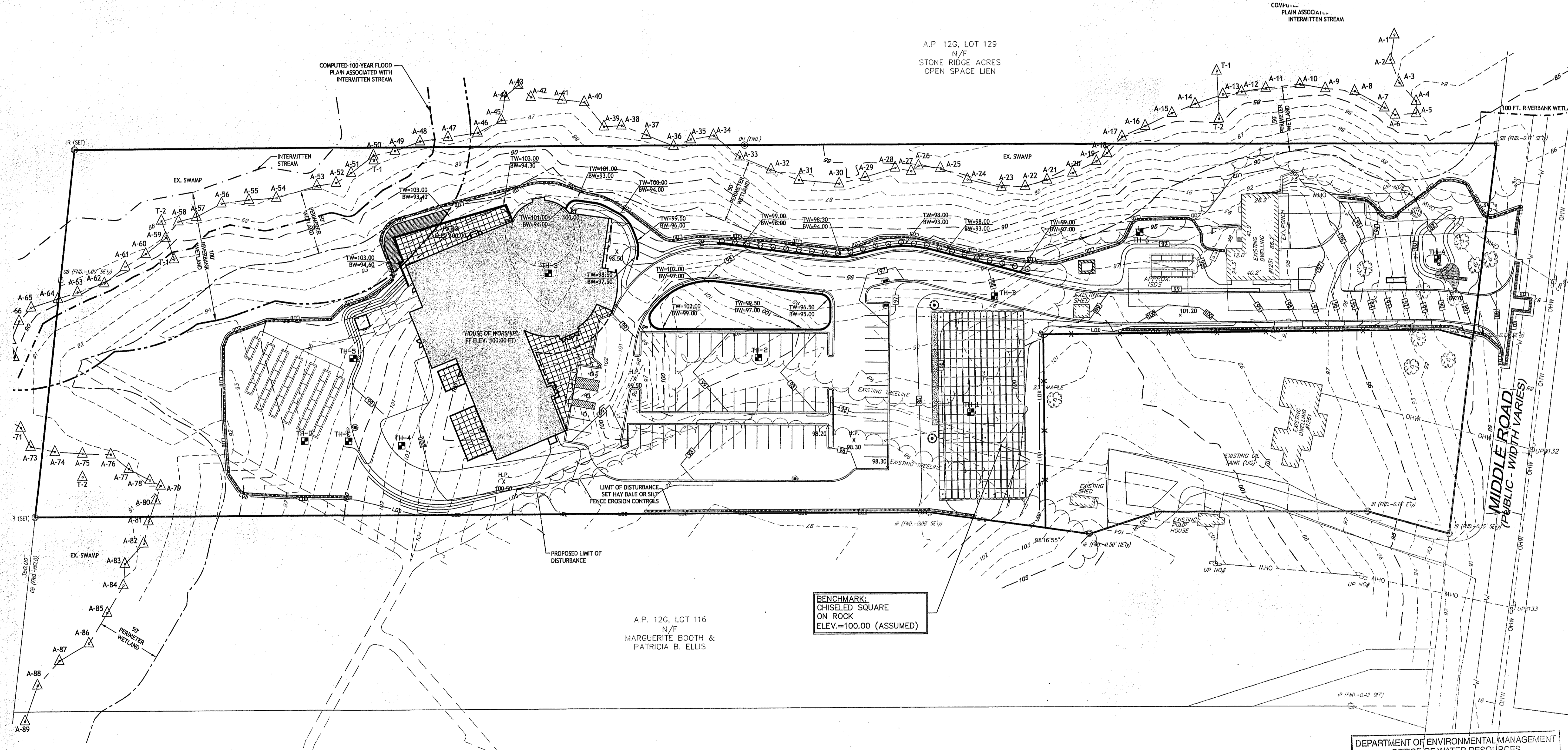
3 BEDROOM DWELLING
115 GAL/BR/DAY= 345 GAL/DAY
345 GAL/DAY @ 0.61 GAL/SF/DAY= 565.6 SF

SHALLOW CONCRETE CHAMBERS WITH 12" STONE BELOW UNIT

OWTS SIZING
8 END UNITS: 78 SF/UNIT = 624 SF
TOTAL OWTS = 624 SF + 565.8 SF

TEST HOLE DATA

TH ID	GROUND ELEV.	ESHWGT ELEV.	LEDGE
1	98.71	90.71	88.71
2	100.56	92.56	90.56
3	99.76	91.76	89.76
4	102.51	94.51	92.51
5	98.08	91.08	88.08
6	95.20	92.95	85.20
A	90.00	85.00	81.00
B	96.21	90.21	87.21
C	99.00	93.00	93.00
D	96.50	91.00	87.50



CDE
CASALI & D'AMICO ENGINEERING, INC.
CIVIL, SITE DEVELOPMENT, LANDSCAPE ARCHITECTURE, PLANNING
DRYDEN, NY 14728
3000 POST ROAD, WARWICK, RI 02888
(401) 944-1300 (401) 944-1313 fax www.casaliandamico.com

DAVID M. D'AMICO
No. 6749
REGISTERED PROFESSIONAL ENGINEER CIVIL
2/10/09

TEMPLE TORAT YISRAEL
EAST GREENWICH, RHODE ISLAND
AP 12G LOTS 436 & 437

REVISIONS:

NO.	DATE	DESCRIPTION
1	2/18/09	RIDEM COMMENTS

DESIGNED BY: JEA
DRAWN BY: JEA
CHECKED BY: DMD
DATE: NOVEMBER 08
PROJECT NO: 08-35

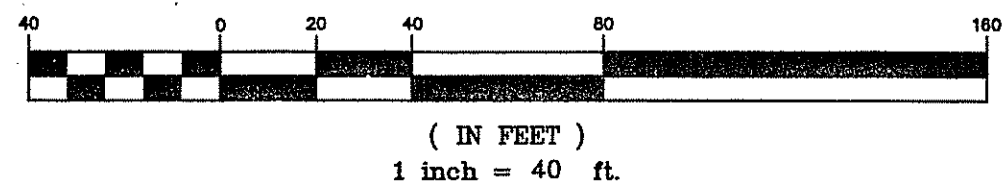
PRELIMINARY PLAN, NOT FOR CONSTRUCTION

GRADING PLAN

SHEET 6 OF 11

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED MAR 25 2009 FILE # 08-0368
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Charles A. Herbert
GRAPHIC SCALE



1-888-DIG-SAFE
PROTECT YOURSELF, GIVE TWO WORKING DAYS NOTICE

LOCATION OF EXISTING UTILITIES SHOWN, ARE FROM GATE LOCATION AND EXISTING DOCUMENTATION AND MAY NOT BE ACCURATE. EXACT LOCATION TO BE DONE BY THE APPROPRIATE UTILITY COMPANY OR MUNICIPALITY PRIOR TO ANY EXCAVATION CALL DIGSAFE AT 1-888-DIG-SAFE 1-888-344-7233

Q:\08-35 Temple Torat Yisrael\DWG_Preliminary\08-35-Preliminary Plan-RI.dwg, Feb. 18, 2009 3:33pm



CDE
 CASALI & D'AMICO ENGINEERING, INC.
 DRAINAGE, WETLANDS, EROSION CONTROL, TRAFFIC FLOORPLAN
 300 POST ROAD, WARWICK, RI 02886
 (401) 944-1330 (401) 944-1315 fax www.casaliandamico.com

DAVID M. D'AMICO
 No. 6703
 2/10/09

TEMPLE TORAT YISRAEL
EAST GREENWICH, RHODE ISLAND
AP 12G LOTS 436 & 437

REVISIONS:

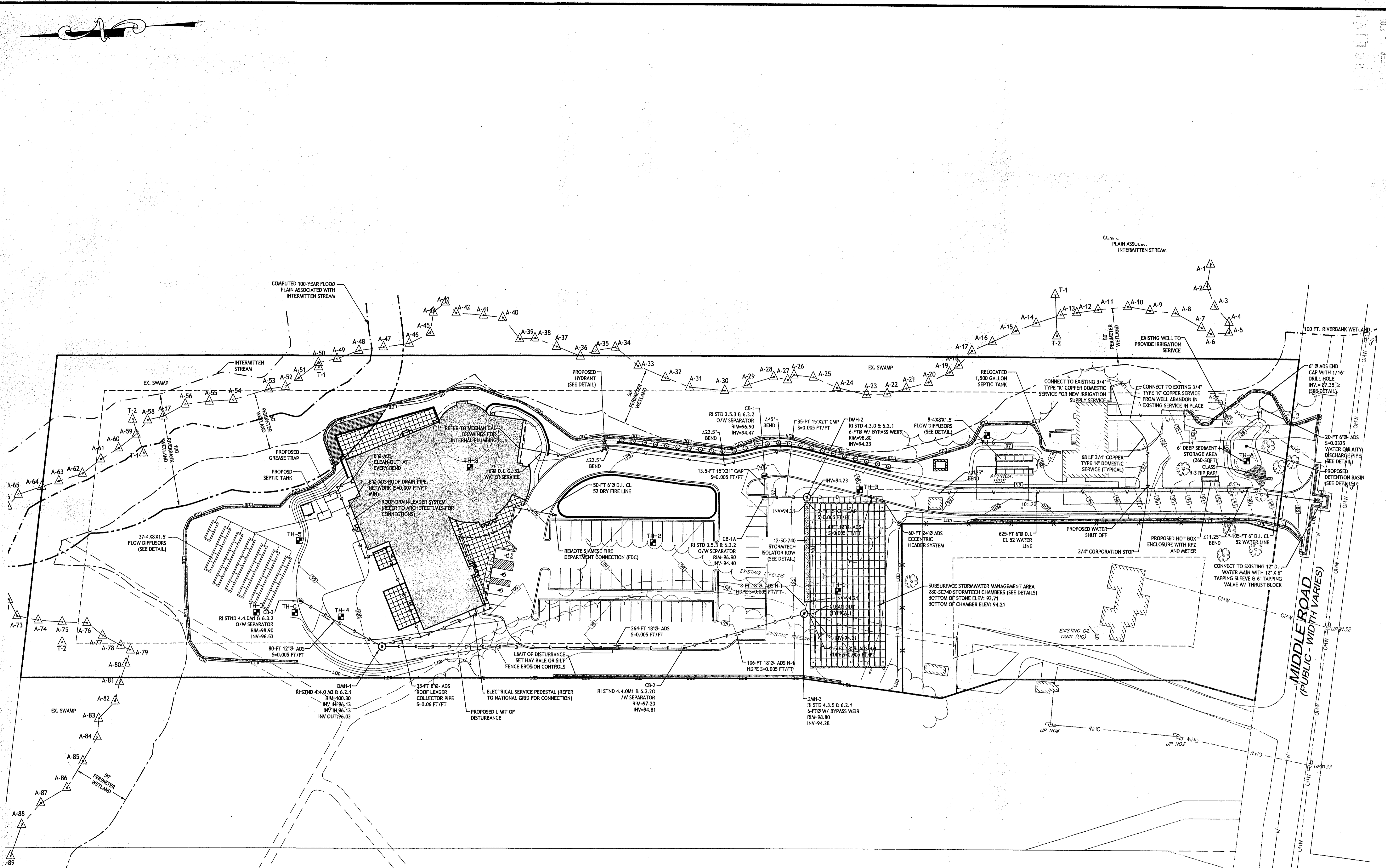
NO.	DATE	DESCRIPTION
1	2/18/09	RIDEM COMMENTS

DESIGNED BY: JEA
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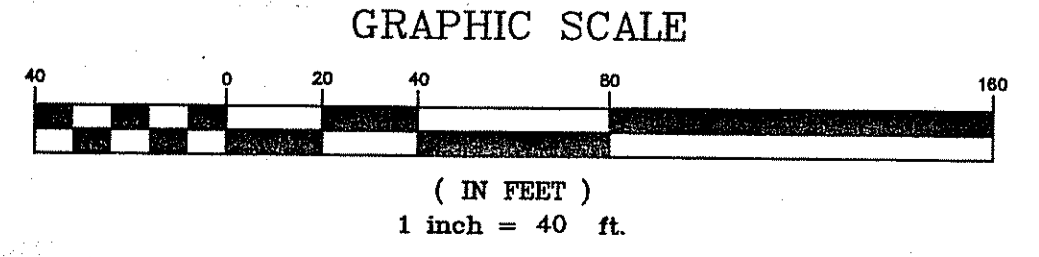
PRELIMINARY PLAN, NOT FOR CONSTRUCTION

DRAINAGE & UTILITY PLAN

SHEET 7 OF 11



DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
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 Charles A. Hurd



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O:\08-35 Temple Torat Yisrael\DWG\ Preliminary\08-35-Pre\PRELIMINARY PLAN-R1.dwg Feb. 18, 2009 3:33pm

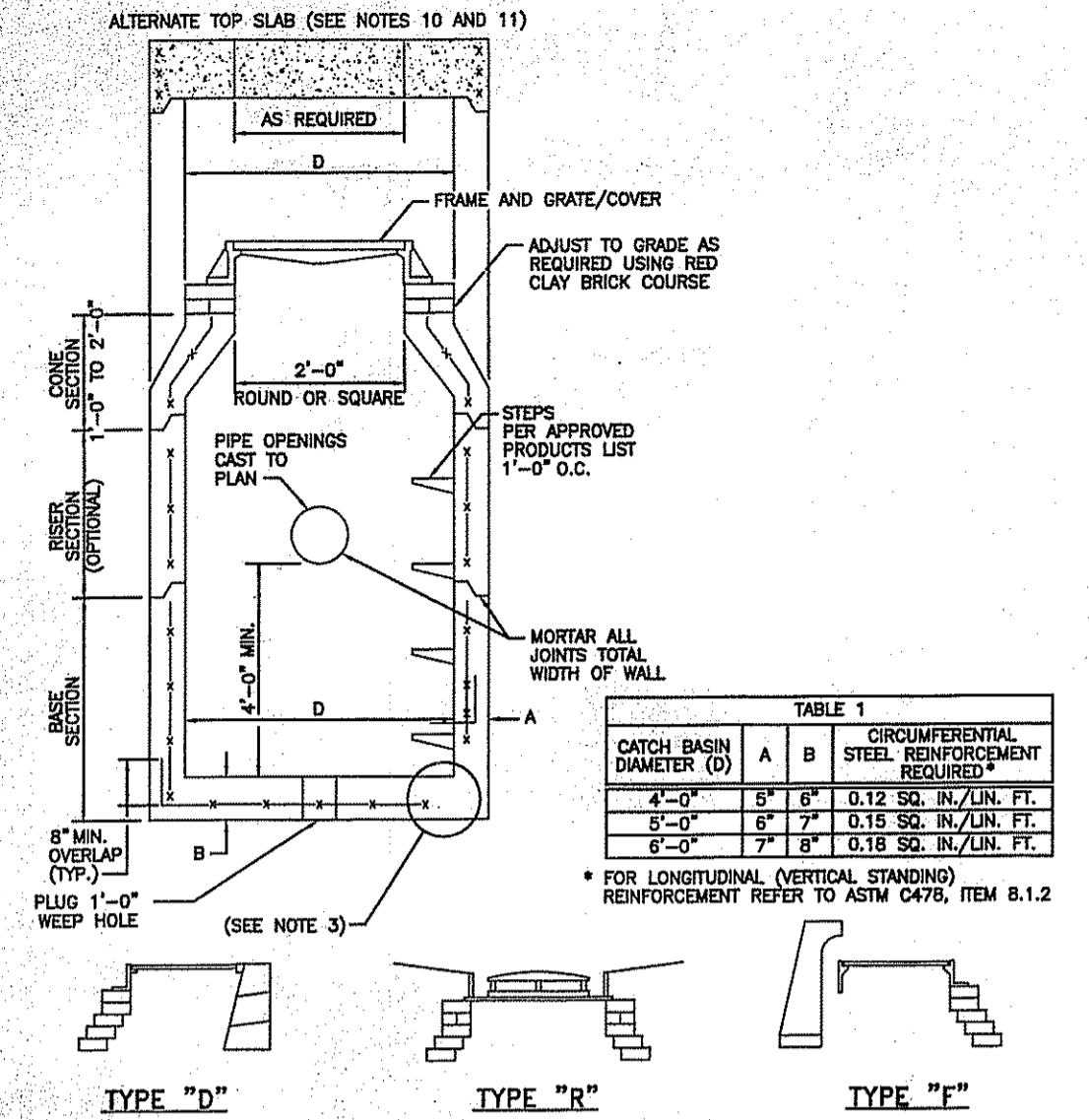


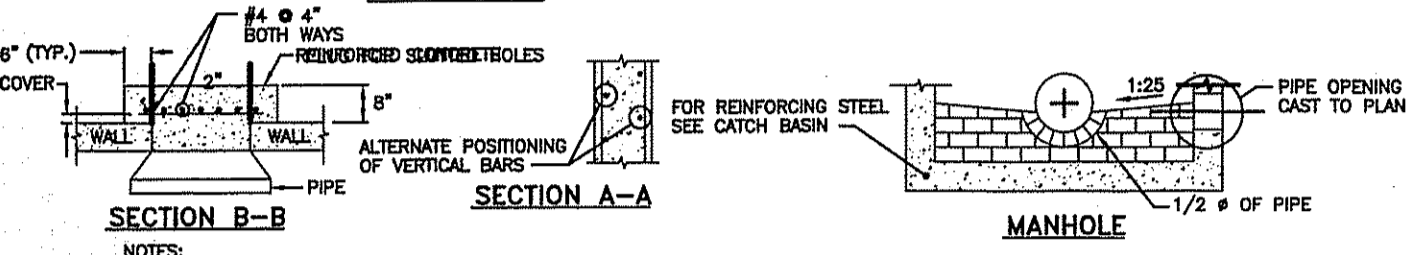
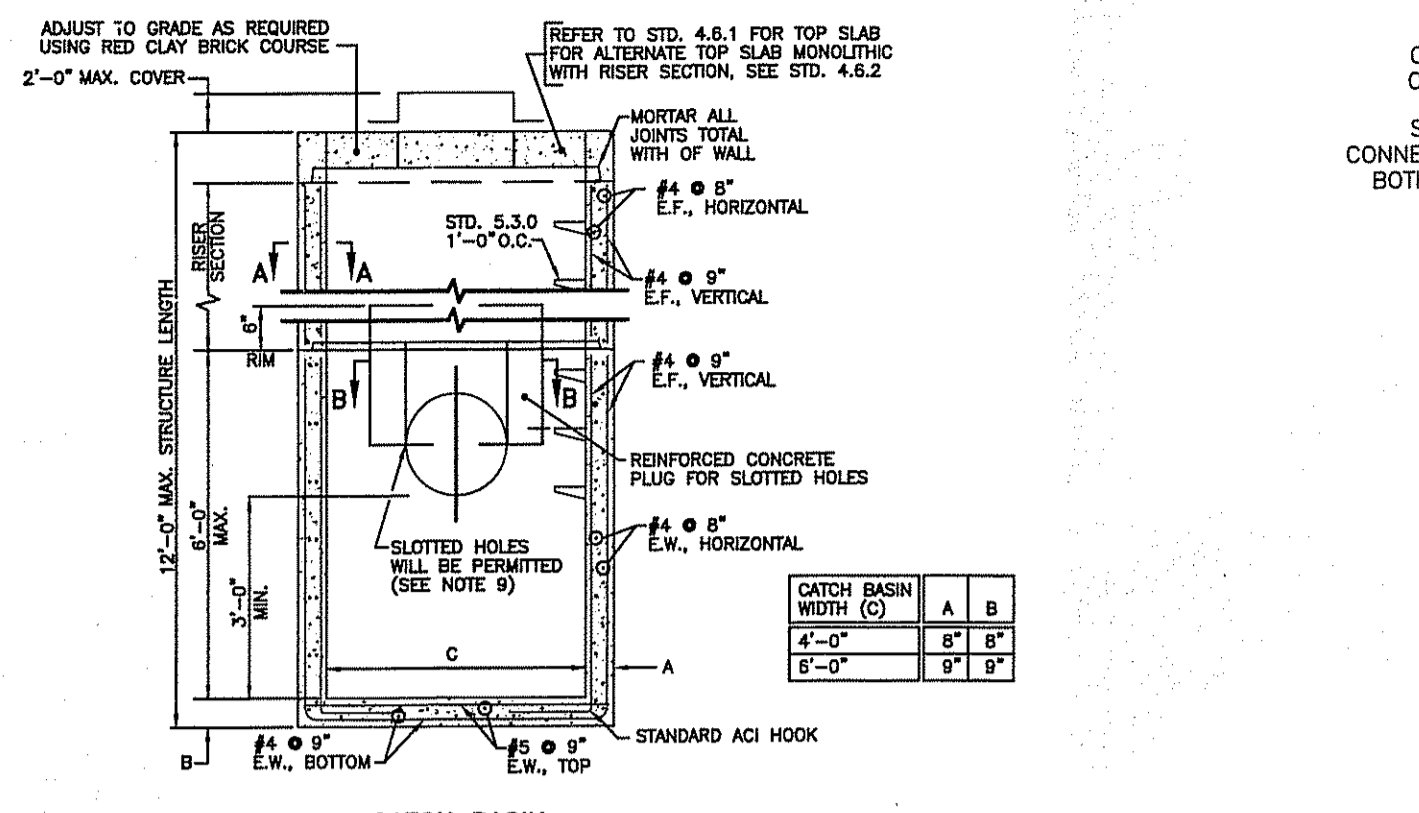
TABLE 1

CATCH BASIN DIAMETER (D)	A	B	CIRCUMFERENTIAL STEEL REINFORCEMENT REQUIRED
4'-0"	6"	6"	0.12 SQ. IN./LIN. FT.
5'-0"	6"	6"	0.15 SQ. IN./LIN. FT.
6'-0"	6"	6"	0.18 SQ. IN./LIN. FT.

* FOR LONGITUDINAL (VERTICAL STANDING) REINFORCEMENT REFER TO ASTM C478, ITEM 8.1.2

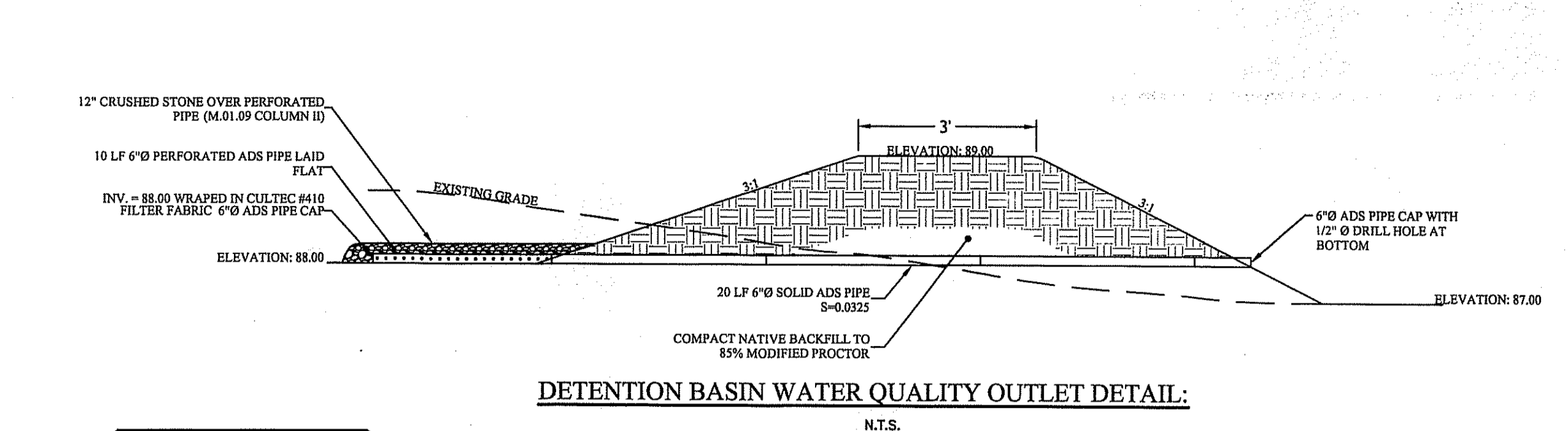
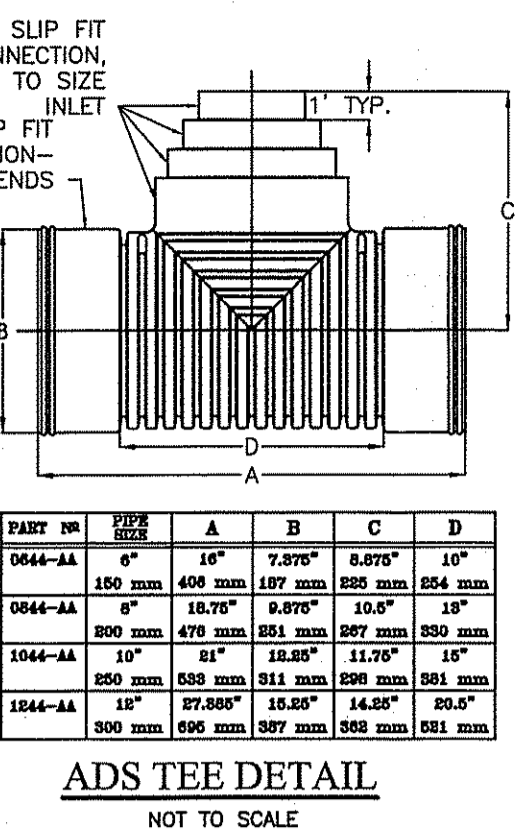
- NOTES:
1. SHALL BE IN ACCORDANCE WITH SECTION 702 OF THE R.I. STANDARD SPECIFICATIONS.
 2. SEE TABLE 1 FOR STEEL REINFORCEMENT REQUIREMENTS.
 3. STEEL REINFORCEMENT FOR BASE SECTION BOTTOM SHALL BE A MINIMUM OF 0.12 SQ. IN./LIN. FT. (BOTH WAYS).
 4. STEPS SHALL CONFORM TO STD. 5.3.0 AND SHALL BE INSTALLED AT THE CASTING PLANT.
 5. ONE FOUR MONOLITHIC BASE SECTION.
 6. ANY NECESSARY ADJUSTMENTS DURING CONSTRUCTION WILL BE DONE BY SAW-CUTTING AND/OR CORING ONLY. NO JACKHAMMERS, HAMMERS AND CHISELS OR PNEUMATIC TOOLS WILL BE ALLOWED.
 7. CORBEL MADE OF RED CLAY BRICK WILL BE PERMITTED FOR THE "CORNER SECTION" OF THE 4'-0" CATCH BASIN ONLY.
 8. FOR CATCH BASIN TYPES "D" AND "F" STEPS MUST BE INSTALLED ON THE CURB SIDE OF THE STRUCTURE.
 9. THE CENTERLINE OF THE OPENING MUST BE WITHIN 2'-0" FROM THE STEPS.
 10. ALTERNATE TOP SLAB IS STEEL REINFORCED TO MEET OR EXCEED H-25 LOADING (SEE STD. 4.7.2).
 11. ALTERNATE TOP SLAB IS ONLY FOR USE WHEN REDUCING SECTION DOES NOT FIT BECAUSE OF STRUCTURE DEPTH.
 12. REFER TO STD. 5.2.0 FOR MAXIMUM PIPE SIZES.

PRECAST 4'-0", 5'-0" OR 6'-0" ROUND CATCH BASIN
N.T.S.

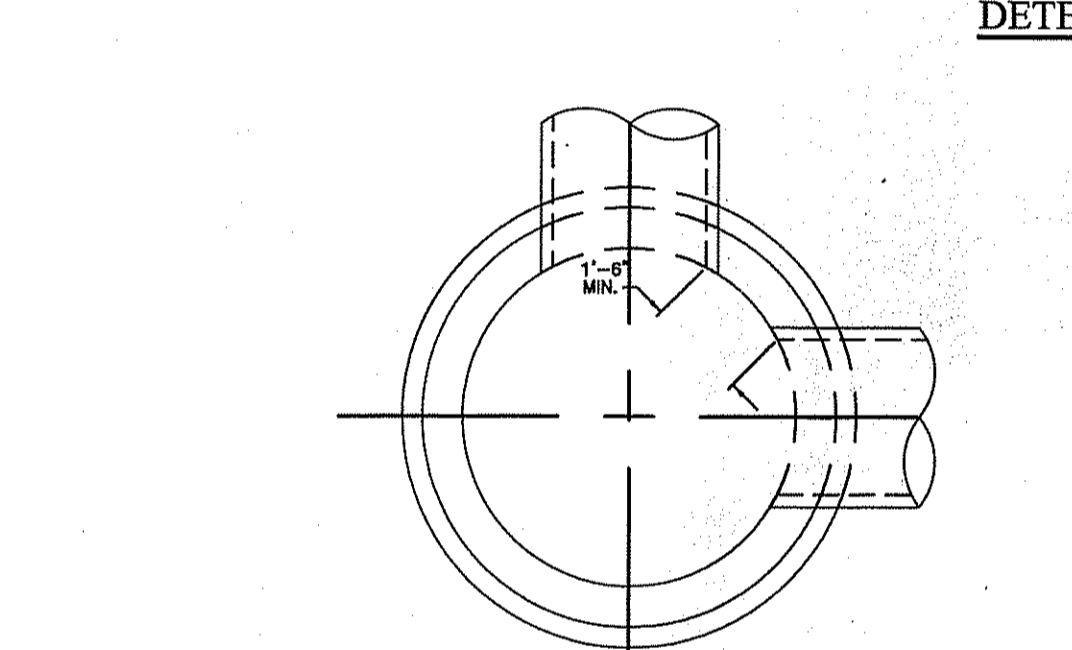
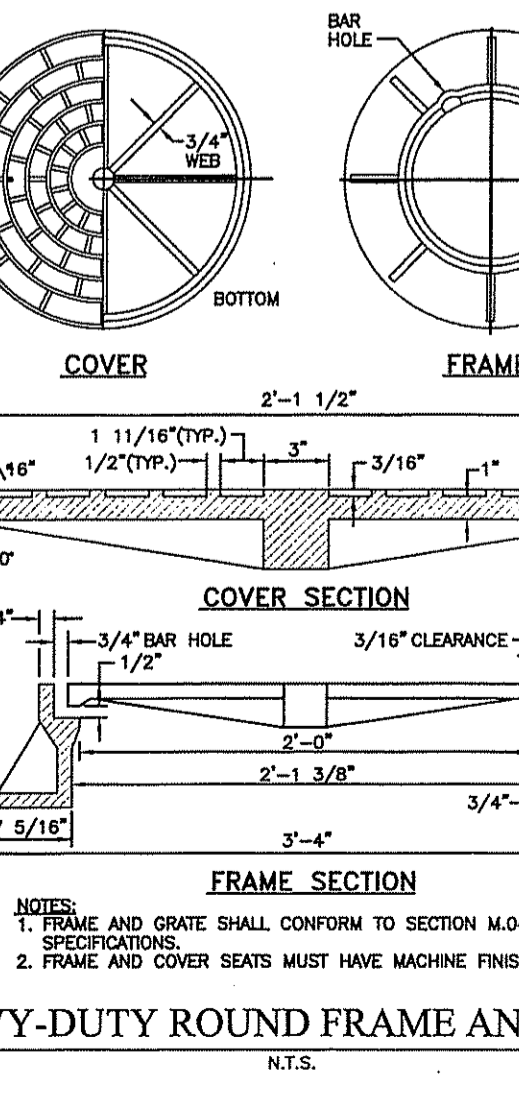
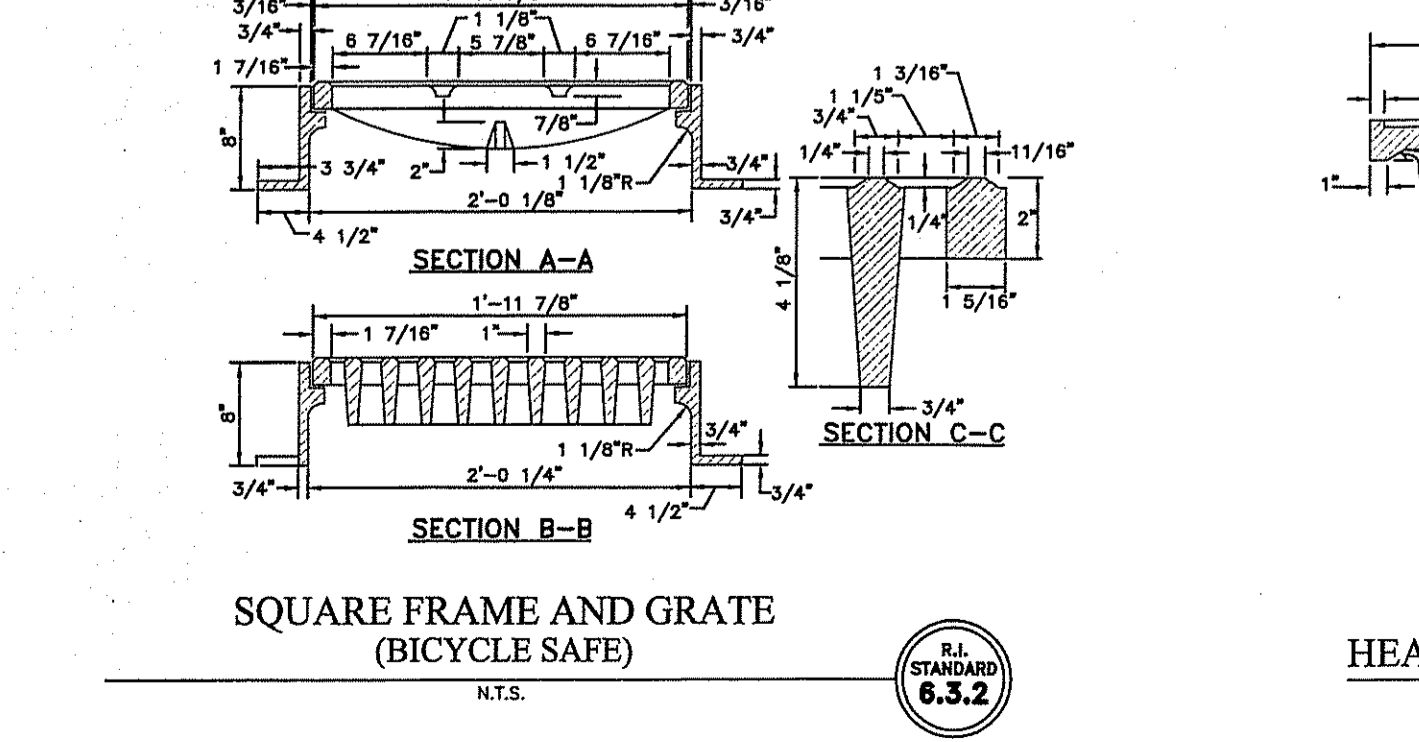
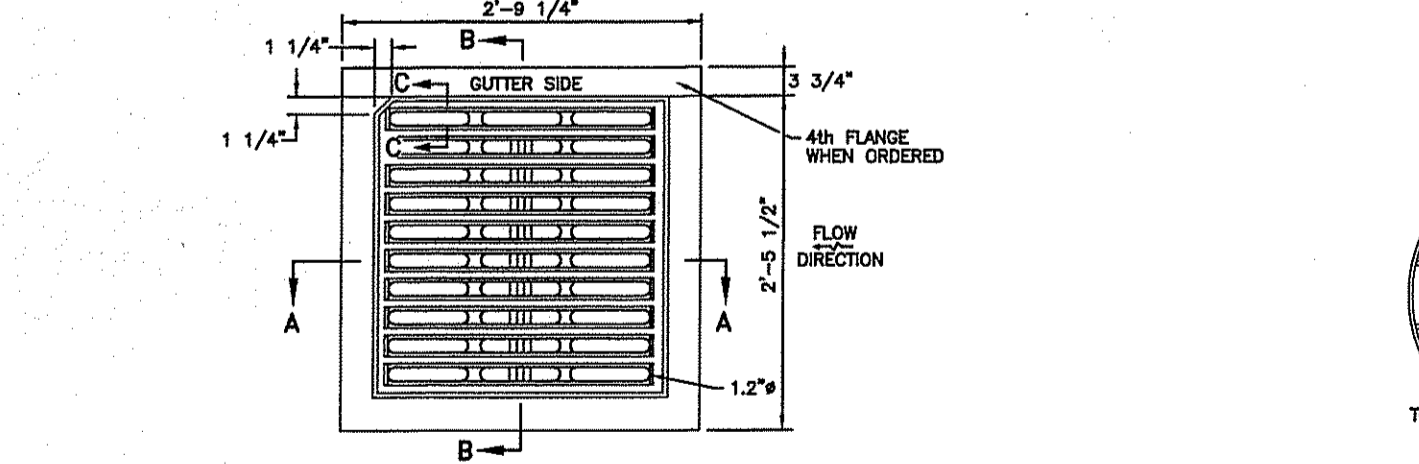
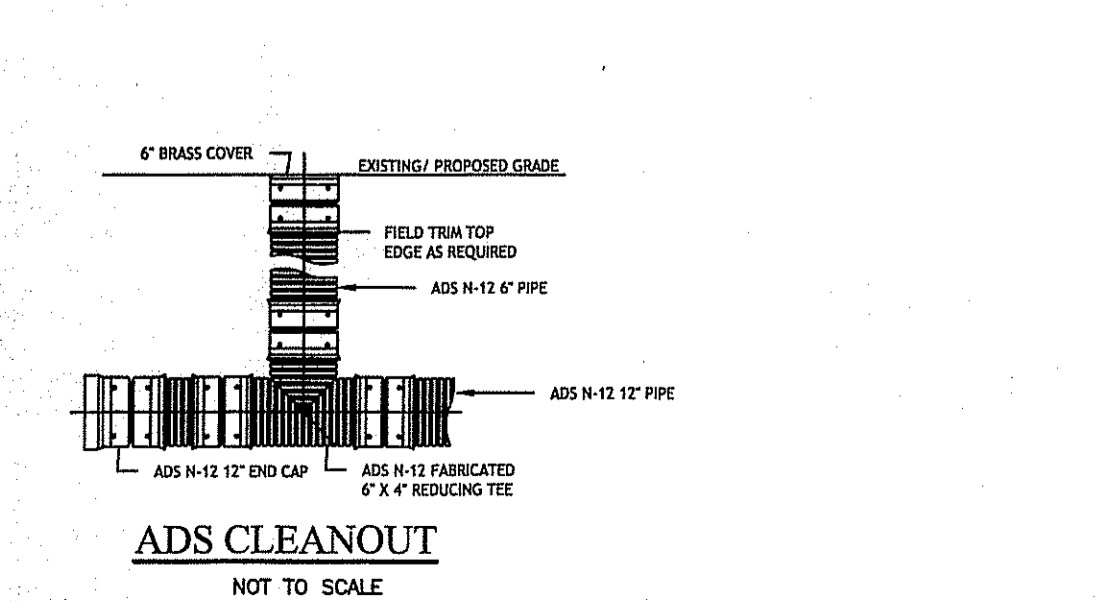
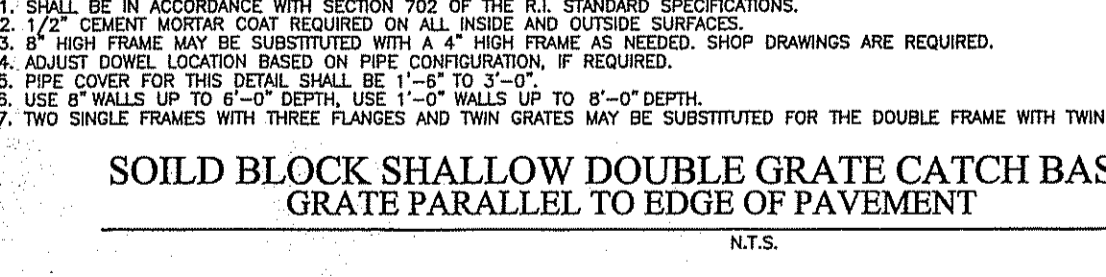
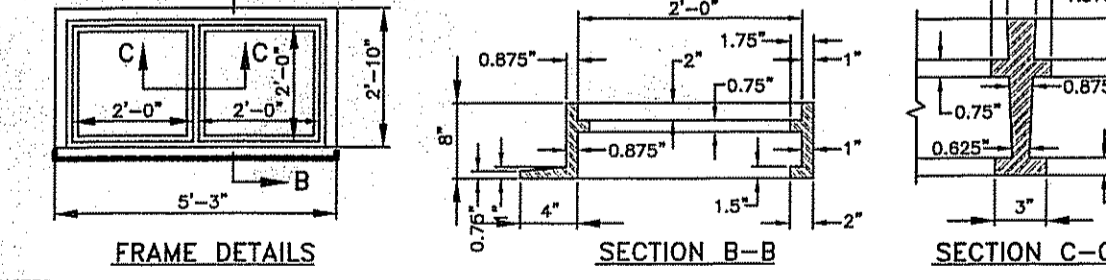
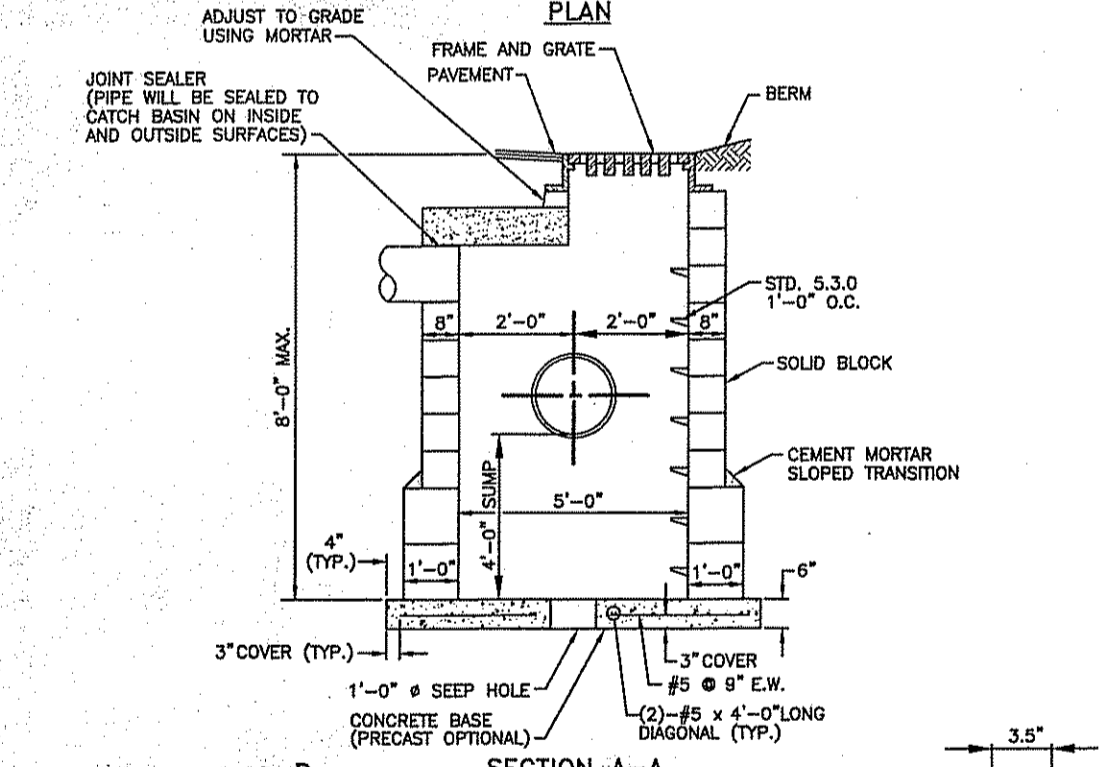
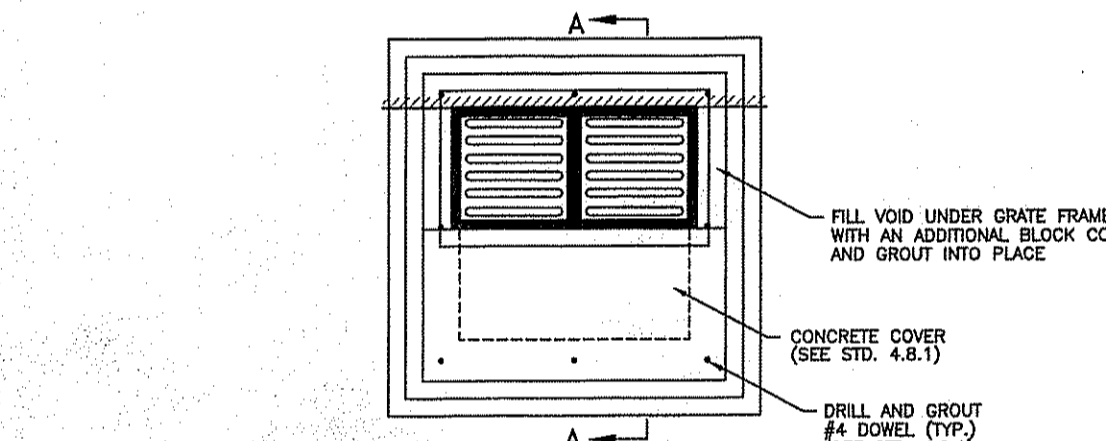
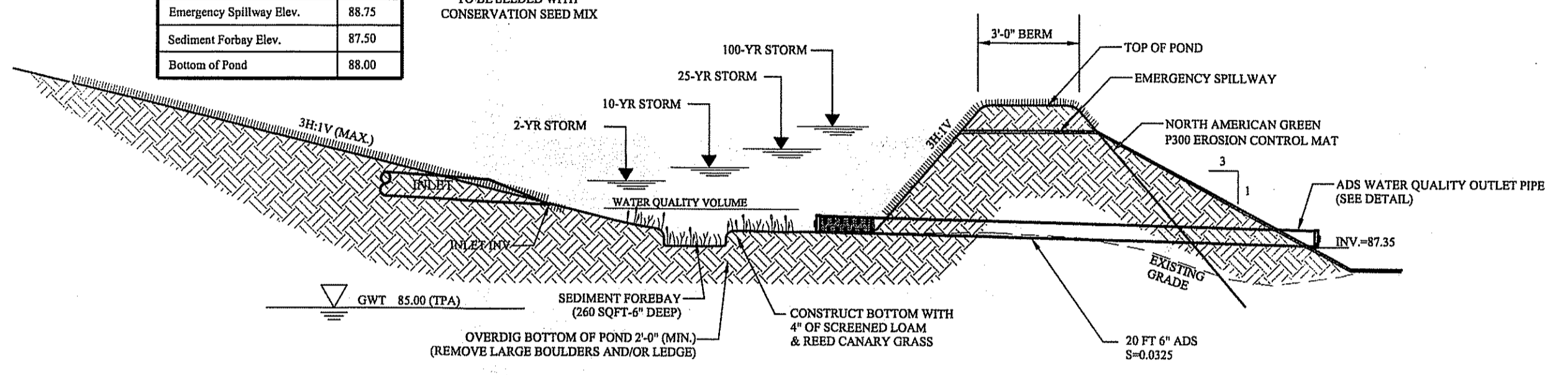


- NOTES:
1. SHALL BE IN ACCORDANCE WITH SECTION 702 OF THE R.I. STANDARD SPECIFICATIONS.
 2. ANY NECESSARY ADJUSTMENTS DURING CONSTRUCTION WILL BE DONE BY SAW-CUTTING AND/OR CORING ONLY. NO JACKHAMMERS, HAMMERS AND CHISELS OR PNEUMATIC TOOLS WILL BE ALLOWED.
 3. THE CENTERLINE OF THE OPENING MUST BE WITHIN 2'-0" FROM THE STEPS.
 4. TOP SLAB, RISER AND BASE SECTIONS HAVE BEEN REINFORCED TO MEET OR EXCEED H-25 OR H-25-25 LOADINGS WITH EARTH PRESSURES INCLUDING THE IMPACT THAT THE TOP SLAB, RISER AND BASE SECTIONS ARE DESIGNED FOR AXLE LOADS OF NO GREATER THAN 20 TONS.
 5. THERE IS TO BE A MINIMUM COVER ON ALL REBAR.
 6. ALL REBAR ARE TO HAVE MINIMUM 2" CLEARANCE FROM OPENING.
 7. STEPS SHALL CONFORM TO STD. 5.3.0 AND SHALL BE INSTALLED AT THE CASTING PLANT.
 8. THE SPICE LENGTHS ON THIS ARE TO BE A MINIMUM OF 1'-0".
 9. WHERE THE CLEARANCE FROM THE TOP OF THE PIPE TO THE RIM IS 10" OR LESS, PLUGS SHALL BE USED IN CONJUNCTION WITH SLOTTED HOLES. NO SLOTTED HOLES WILL BE PERMITTED WHERE THE CLEARANCE IS GREATER THAN 10" IN CASES WHERE SLOTTED HOLES ARE NOT USED AND THE WALL OPENING COMES WITHIN 1'-3" OF THE RIM, AN ADDITIONAL #6 BAR SHALL BE USED ABOVE THE OPENING THE WIDTH "C" OF THE WALL.

PRECAST 4'-0" OR 6'-0" SQUARE MANHOLE OR CATCH BASIN
N.T.S.

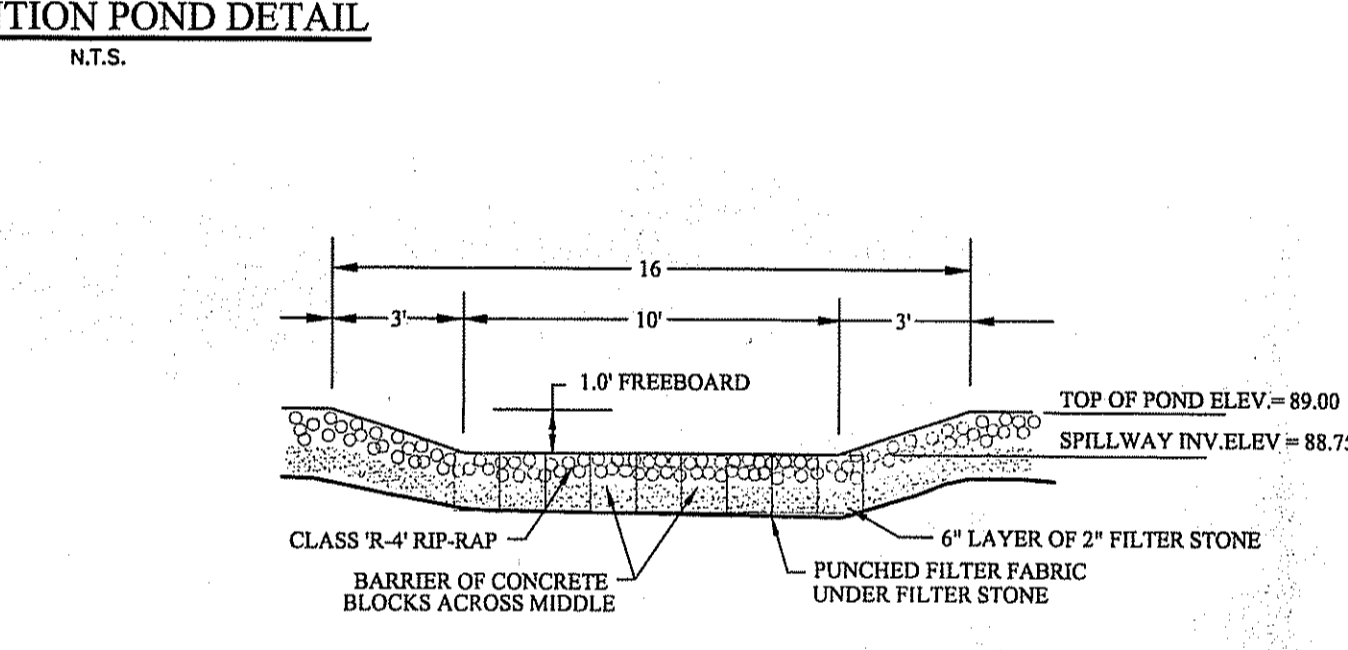
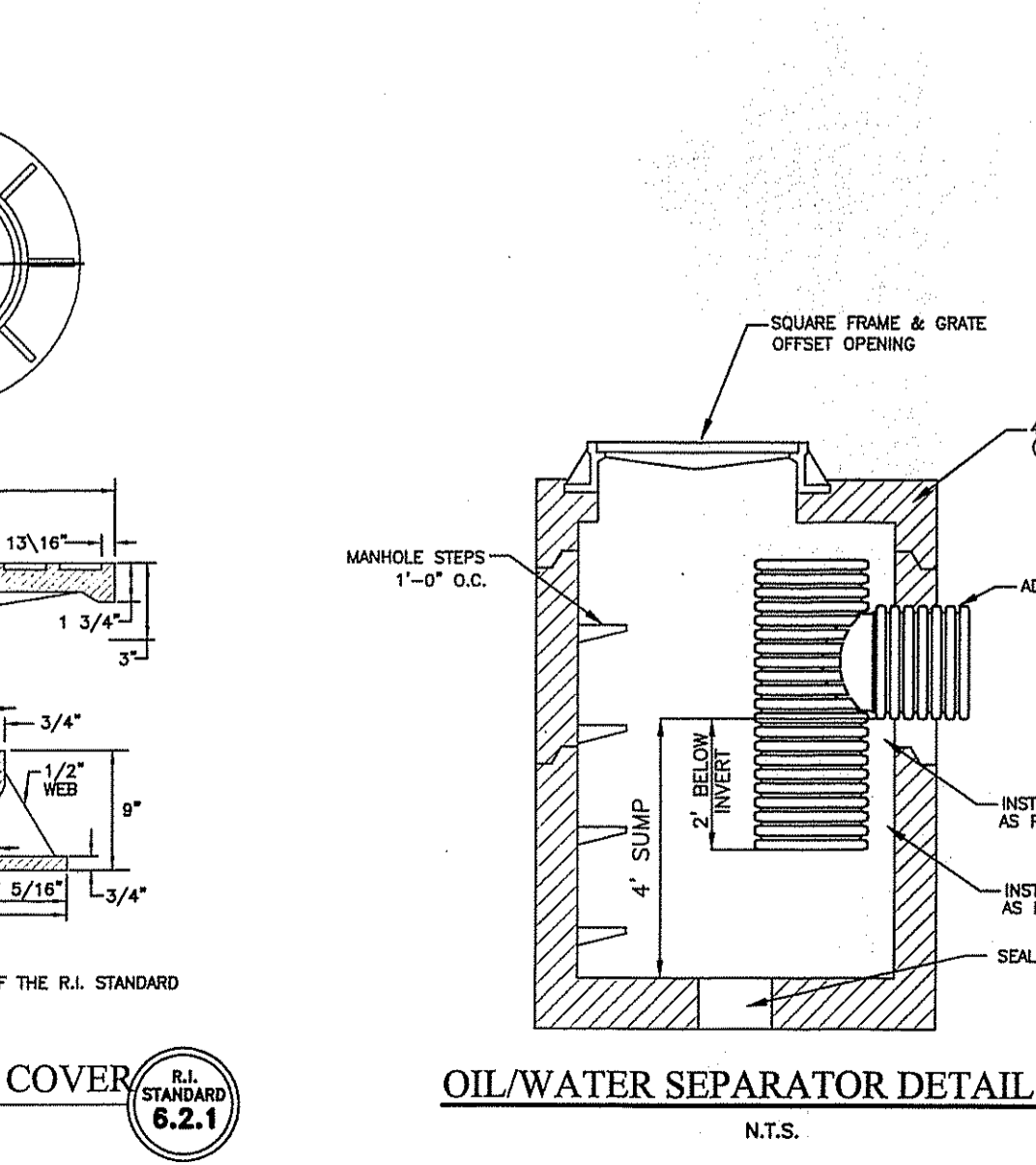


Description	Pond
Top of Pond Elevation	89.00
100 Year Storm Elevation	88.90
25 Year Storm Elevation	88.87
10 Year Storm Elevation	88.84
2 Year Storm Elevation	88.69
Water Quality Volume Elev.	88.75
Emergency Spillway Elev.	88.75
Sediment Forebay Elev.	87.50
Bottom of Pond	88.00



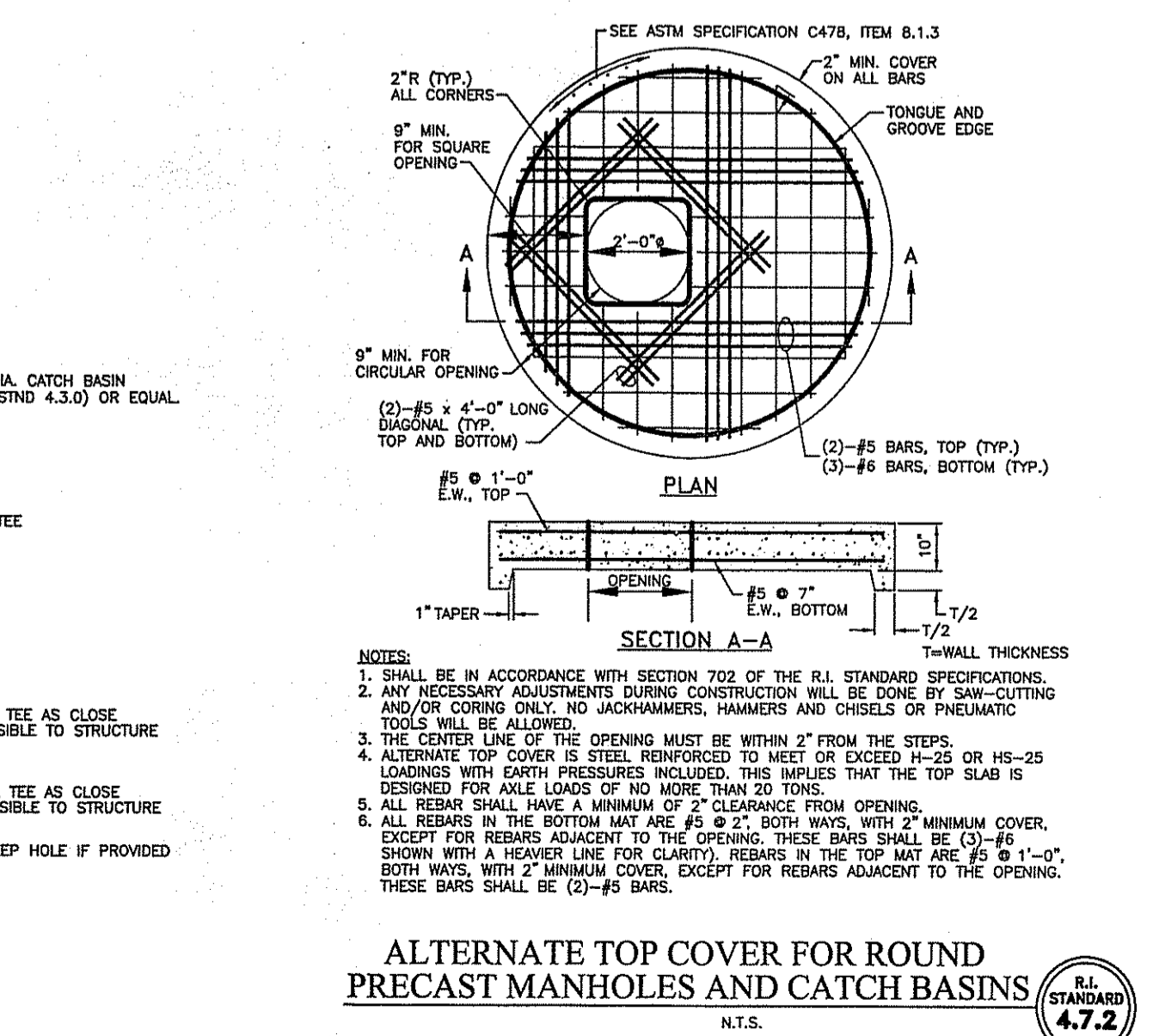
MAX. PIPE O.D. STRAIGHT THRU TO 45° DEFLECTION	4 FT. MANHOLE OR CATCH BASIN	5 FT. MANHOLE OR CATCH BASIN	6 FT. MANHOLE OR CATCH BASIN
33 1/2" O.D. 27' R.C. PIPE	44" O.D. 36' R.C. PIPE	51" O.D. 42' R.C. PIPE	
MAX. PIPE O.D. 90° DEFLECTION	28" O.D. 18' R.C. PIPE	33 1/2" O.D. 27' R.C. PIPE	37" O.D. 30' R.C. PIPE

ROUND MANHOLES AND CATCH BASINS
MAXIMUM PIPE SIZE STANDARD
N.T.S.



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CIVIL - SITE DEVELOPMENT - TRANSPORTATION
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DAVID M. D'AMICO
No. 8749
REGISTERED PROFESSIONAL ENGINEER
CIVIL
2/10/09

TEMPLE TORAT YISRAEL
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AP 12G LOTS 436 & 437

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DETAILS III

SHEET 10 OF 11

