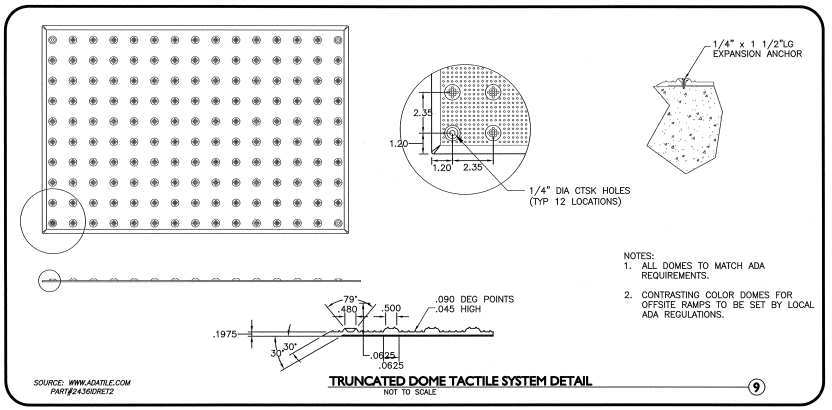
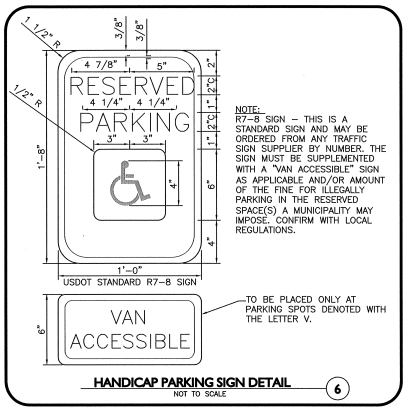
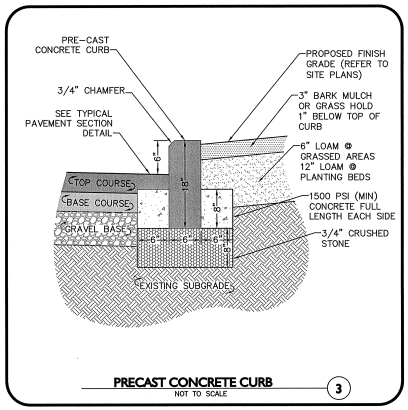


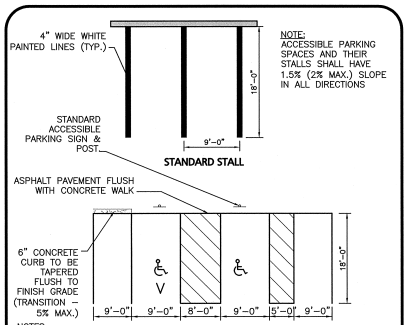
TRUNCATED DOME TACTILE SYSTEM DETAIL
NOT TO SCALE — 9



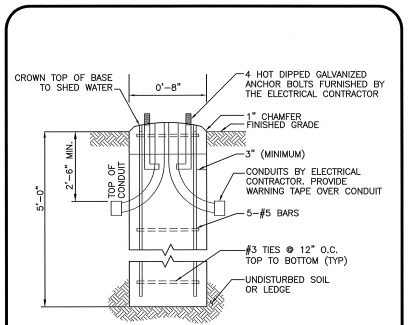
HANDICAP PARKING SIGN DETAIL
NOT TO SCALE — 6



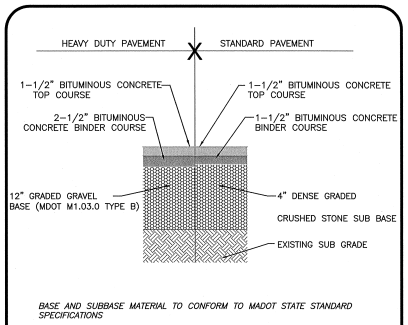
PRECAST CONCRETE CURB
NOT TO SCALE — 3



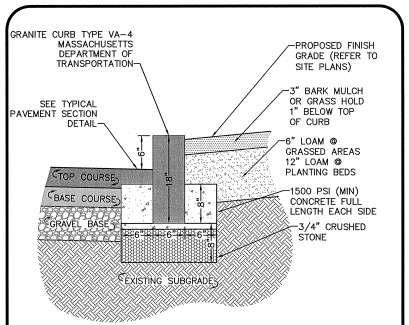
ACCESSIBLE PARKING-SIZE AND MARKINGS DETAIL
NOT TO SCALE — 11



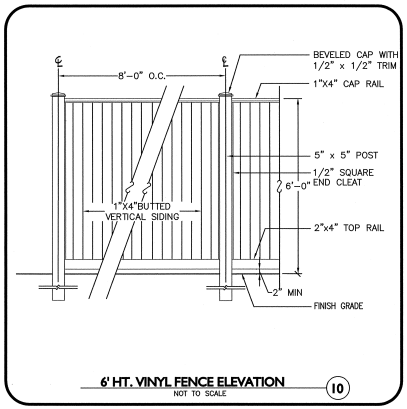
LIGHT POLE BASE
NOT TO SCALE — 8



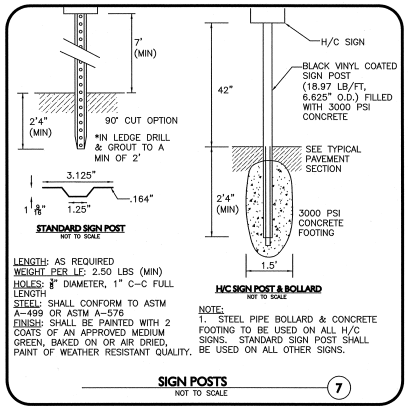
BITUMINOUS CONCRETE PAVEMENT
NOT TO SCALE — 5



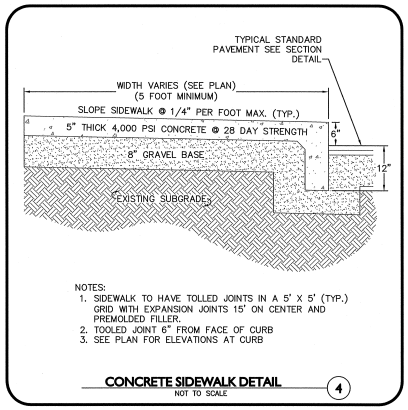
VERTICAL GRANITE CURB
NOT TO SCALE — 2



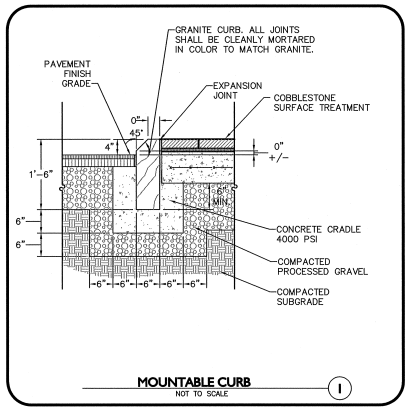
6' HT. VINYL FENCE ELEVATION
NOT TO SCALE — 10



SIGN POSTS
NOT TO SCALE — 7



CONCRETE SIDEWALK DETAIL
NOT TO SCALE — 4



MOUNTABLE CURB
NOT TO SCALE — 1

1910

PHILIP J. CODICHO CIVIL No. 41383 REGISTERED PROFESSIONAL ENGINEER
12-4-12
PROFESSIONAL ENGINEER FOR ALLEN & MAJOR ASSOCIATES, INC.

REV.	DATE	DESCRIPTION

APPLICANT\OWNER:
WELLESLEY COUNTRY CLUB
300 WELLESLEY AVE.
WELLESLEY, MA 02481

PROJECT:
WELLESLEY COUNTRY CLUB
PROPOSED POOL
REPLACEMENT AND RENOVATION
WELLESLEY, MA

PROJECT NO.	1917-01	DATE:	DECEMBER 4, 2012
SCALE:	N.T.S	DWG. NAME:	DETAILS
DESIGNED BY:	PLC	CHECKED BY:	PLC

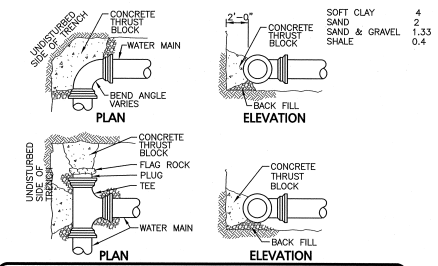
PREPARED BY:
ALLEN & MAJOR ASSOCIATES, INC.
civil & structural engineering ♦ land surveying
environmental consulting ♦ landscape architecture
www.allenmajor.com
10 MAIN STREET
LAKEVILLE, MA 02347-1674
TEL: (508) 923-1010
FAX: (508) 923-6309
WOBURN, MA ♦ LAKEVILLE, MA ♦ MANCHESTER, NH

THIS DRAWING HAS BEEN PREPARED IN ELECTRONIC FORMAT. CLIENT/CLIENT'S REPRESENTATIVE OR CONSULTANT MAY BE PROVIDED COPIES OF DRAWINGS AND SPECIFICATIONS ON MAGNETIC MEDIA FOR HIS/HER INFORMATION AND USE FOR SPECIFIC APPLICATION TO THIS PROJECT. DUE TO THE POTENTIAL THAT THE MAGNETIC INFORMATION MAY BE MODIFIED UNINTENTIONALLY OR OTHERWISE, ALLEN & MAJOR ASSOCIATES, INC. MAY REMOVE ALL INDICATION OF THE DOCUMENT'S AUTHORSHIP ON THE MAGNETIC MEDIA. PRINTED REPRESENTATIONS OF THE DRAWINGS AND SPECIFICATIONS ISSUED SHALL BE THE ONLY RECORD COPIES OF ALLEN & MAJOR ASSOCIATES, INC.'S WORK PRODUCT.

DRAWING TITLE: SITE DETAILS

SHEET No. C-6.1

Copyright©2012 Allen & Major Associates, Inc. All Rights Reserved

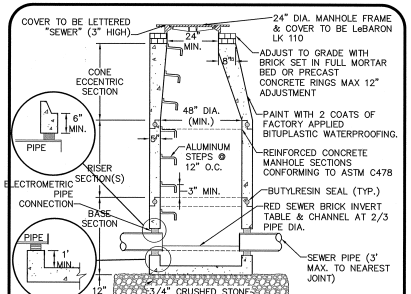


NOTES:
1. ALL WATER MAIN FITTINGS, BENDS, TEES, PLUGS ETC. SHALL BE RESTRAINED W/ THRUST BLOCKS EXCEPT WHERE NOTED.
2. ALL THRUST BLOCKS & COLLARS SHALL BE INSTALLED SO THAT THEY BEAR AGAINST UNDISTURBED EARTH.
3. SIZE OF CONCRETE THRUST BLOCKS SHALL BE AS NOTED BELOW.
4. MINIMUM COMPRESSIVE STRENGTH OF THRUST BLOCK CONCRETE SHALL BE 3,000 P.S.I.
5. KEEP CONCRETE CLEAR OF MECHANICAL JOINTS.
6. THE BELOW PREDICATED ON A WATER PRESSURE OF 225 PSI AND A SOIL RESISTANCE OF 2000 PSF (TILL). FOR OTHER SOILS THE VALUES IN THE ABOVE TABLE SHALL BE MULTIPLIED BY:

MINIMUM THRUST BLOCK BEARING AREAS

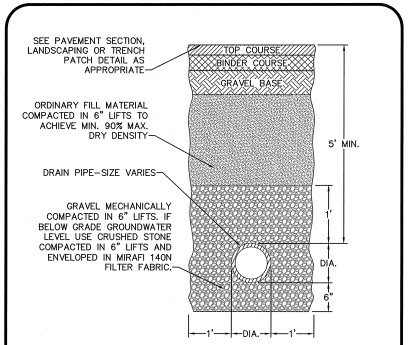
PIPE DIAMETER	90° BEND (SQ. FT.)	45° BEND (SQ. FT.)	22.5° BEND (SQ. FT.)	TEES, PLUGS, CAPS & HYDRANTS (SQ.FT.)
6"	5	3	3	4
8"	9	6	3	9
10"	13	7	4	12
12"	20	10	5	16

THRUST BLOCK DETAILS 10
NOT TO SCALE

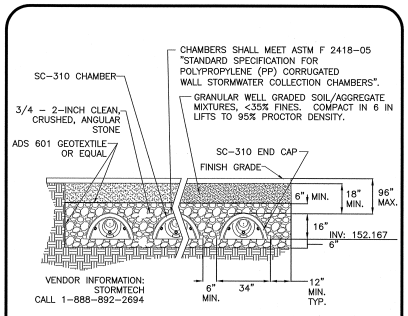


NOTE:
THE MANHOLE, INCLUDING ALL COMPONENT PARTS, SHALL HAVE ADEQUATE SPACE, STRENGTH AND LEAK PROOF QUALITIES CONSIDERED NECESSARY FOR THE INTENDED SERVICE. SPACE REQUIREMENT AND CONFIGURATIONS SHALL BE AS SHOWN ON THE DRAWING. THE COMPLETE STRUCTURE SHALL BE OF SUCH MATERIAL AND QUALITY AS TO WITHSTAND (H-20 LOADING) OR WITHOUT FAILURE AND PREVENT LEAKAGE IN EXCESS OF ONE GALLON PER DAY PER VERTICAL FOOT OF MANHOLE.

SEWER MANHOLE 6
NOT TO SCALE

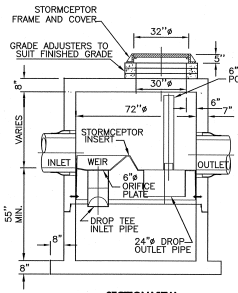


TYPICAL DRAIN TRENCH DETAIL 3
NOT TO SCALE

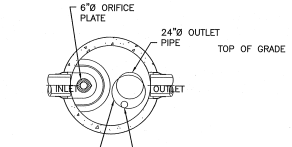


NOTE:
SOIL TESTS IN THE AREA DID NOT ENCOUNTER ANY GROUNDWATER OR REDOXIMORPHIC FEATURES. GROUNDWATER IS ASSUMED BASED ON NEARBY WATERWAY

TYPICAL STORMTECH SC-310 CHAMBER* CROSS SECTION 9
*OR APPROVED EQUAL NOT TO SCALE



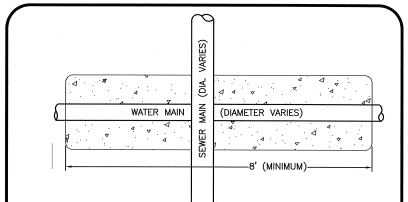
SECTION VIEW



PLAN VIEW

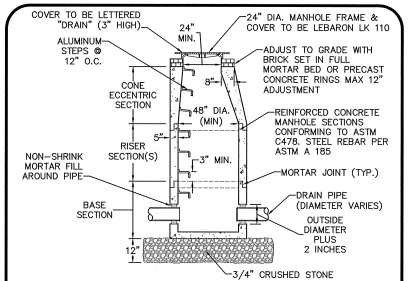
NOTES:
1. THE USE OF FLEXIBLE CONNECTION IS RECOMMENDED AT THE INLET AND OUTLET WHERE APPLICABLE.
2. THE COVER SHOULD BE POSITIONED OVER THE OUTLET DROP PIPE AND THE OIL PORT.
3. THE STORMCEPTOR SYSTEM IS PROTECTED BY ONE OR MORE OF THE FOLLOWING U.S. PATENTS: #4985148, #5498331, #5725760, #5753115, #5849181, #6068765, #6371690.
4. CONTACT A CONCRETE PIPE DIVISION REPRESENTATIVE FOR FURTHER DETAILS NOT LISTED ON THIS DRAWING.
5. DETAIL ADAPATED FROM MANUFACTURER'S SPECIFICATIONS.

STC900 PRECAST CONCRETE STORMCEPTOR* 7
*OR APPROVED EQUAL NOT TO SCALE



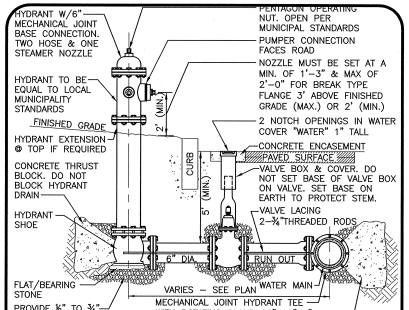
NOTES:
1. WHENEVER CONDITIONS PREVENT A LATERAL SEPARATION OF 10 FEET BETWEEN A SEWER MAIN AND A WATER MAIN:
2. THE WATER MAIN SHALL BE LAID IN A SEPARATE TRENCH AND THE DIFFERENCE IN ELEVATION BETWEEN THE WATER MAIN AND THE SEWER MAIN SHALL BE AT LEAST 18 INCHES.
3. THE PIPE CROSSING SHALL OCCUR AS CLOSE TO 90° AS PRACTICABLE.
4. THE PIPE JOINTS SHALL BE STAGGERED TO PROVIDE THE MAXIMUM SEPARATION FROM THE POINT OF CROSSING.
5. THE CROSSING SHALL BE ENCASED IN CONCRETE FOR THE ENTIRE WIDTH OF THE TRENCH AND FOR A DISTANCE OF 8 LINEAR FEET CENTERED ON THE CROSSING.

SEWER / WATER CROSSING DETAIL 5
NOT TO SCALE



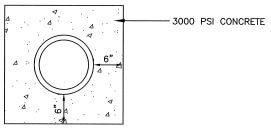
NOTE:
THE MANHOLE, INCLUDING ALL COMPONENT PARTS, SHALL HAVE ADEQUATE SPACE AND STRENGTH QUALITIES CONSIDERED NECESSARY FOR THE INTENDED SERVICE. SPACE REQUIREMENT AND CONFIGURATIONS SHALL BE AS SHOWN ON THE DRAWING. THE COMPLETE STRUCTURE SHALL BE OF SUCH MATERIAL AND QUALITY AS TO WITHSTAND (H-20 LOADING) WITHOUT FAILURE.

PRECAST CONCRETE DRAIN MANHOLE 2
NOT TO SCALE



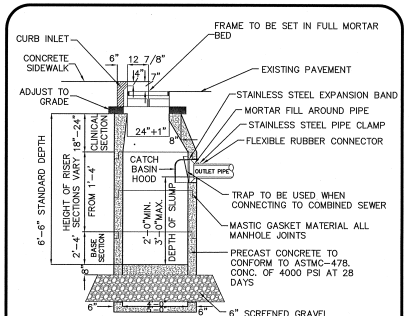
NOTE:
1.) CONTRACTOR MAY USE ANCHOR TEES AT HIS OPTION.
2.) HYDRANTS AND VALVES TO OPERATE PER MUNICIPAL STANDARDS

FIRE HYDRANT CONNECTION 8
NOT TO SCALE



NOTE:
1. CONCRETE ENCASEMENT OF WATER LINES WILL BE REQUIRED WHERE THEY PASS UNDER SEWER LINES OR WITHIN 18" VERTICALLY ABOVE.
2. CONCRETE ENCASEMENT SHALL ALSO BE REQUIRED WHEN LOCATED ADJACENT TO OTHER STRUCTURES IN SUCH MANNER AS TO IMPOSE UNUSUAL LOADING ON THE SEWER PIPE. WHERE CONCRETE IS USED TO SUPPORT UNUSUAL LOADING, REBAR WILL BE REQUIRED AT THE DIRECTION OF THE ENGINEER.

CONCRETE ENCASEMENT TYPICAL PIPE PROTECTION DETAIL 4
NOT TO SCALE



PRECAST CONCRETE CATCH BASIN 1
NOT TO SCALE

1910

PHILIP L. CORDEIRO CIVIL No. 41683 REGISTERED PROFESSIONAL ENGINEER
12-4-12
PROFESSIONAL ENGINEER FOR ALLEN & MAJOR ASSOCIATES, INC.

REV.	DATE	DESCRIPTION

APPLICANT\OWNER:
WELLESLEY COUNTRY CLUB
300 WELLESLEY AVE.
WELLESLEY, MA 02481

PROJECT:
WELLESLEY COUNTRY CLUB
PROPOSED POOL REPLACEMENT AND RENOVATION
WELLESLEY, MA

PROJECT NO.	1917-01	DATE:	DECEMBER 4, 2012
SCALE:	N.T.S	DWG. NAME:	DETAILS
DESIGNED BY:	PLC	CHECKED BY:	PLC

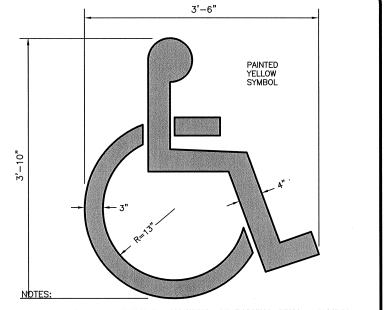
PREPARED BY:
ALLEN & MAJOR ASSOCIATES, INC.
civil & structural engineering • land surveying
environmental consulting • landscape architecture
www.allenmajor.com
10 MAIN STREET
LAKEVILLE, MA 02347-1674
TEL: (508) 923-1010
FAX: (508) 923-6309
WOBURN, MA • LAKEVILLE, MA • MANCHESTER, NH

THIS DRAWING HAS BEEN PREPARED IN ELECTRONIC FORMAT. CLIENT/CLIENTS REPRESENTATIVE OR CONSULTANT MAY BE PROVIDED COPIES OF DRAWINGS AND SPECIFICATIONS ON MAGNETIC MEDIA FOR HIS/HER INFORMATION AND USE FOR SPECIFIC APPLICATION TO THIS PROJECT. DUE TO THE POTENTIAL THAT THE MAGNETIC INFORMATION MAY BE MODIFIED UNINTENTIONALLY OR OTHERWISE, ALLEN & MAJOR ASSOCIATES, INC. MAY REMOVE ALL INDICATION OF THE DOCUMENT'S AUTHORSHIP ON THE MAGNETIC MEDIA. PRINTED REPRESENTATIONS OF THE DRAWINGS AND SPECIFICATIONS ISSUED SHALL BE THE ONLY RECORD COPIES OF ALLEN & MAJOR ASSOCIATES, INC.'S WORK PRODUCT.

DRAWING TITLE:
SITE DETAILS

SHEET No.
C-6.2

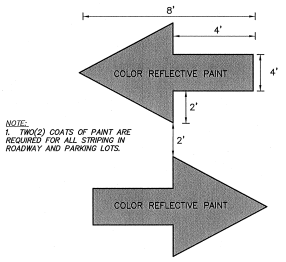
Copyright©2012 Allen & Major Associates, Inc.
All Rights Reserved



NOTES:

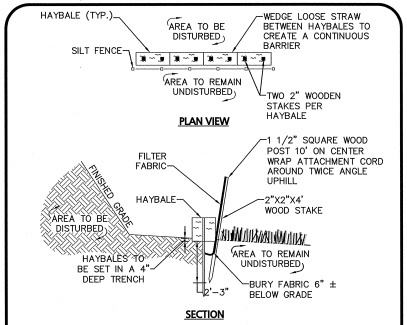
1. SYMBOL TO BE CENTERED ON WIDTH OF PARKING STALL. SYMBOL IS REQUIRED TO CONTRAST WITH BACKGROUND. USE WHITE ON BLUE (COLOR #105090 IN FEDERAL STANDARD 5952) DOUBLE COAT.

INTERNATIONAL SYMBOL OF ACCESSIBILITY (12)
NOT TO SCALE



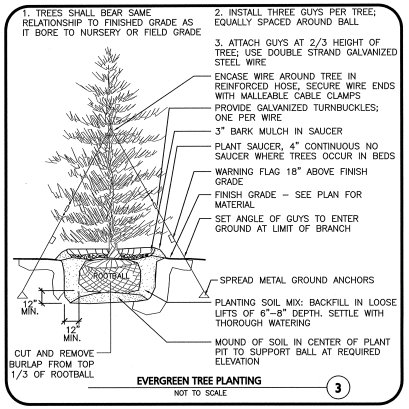
NOTE:
1. TWO(2) COATS OF PAINT ARE REQUIRED FOR ALL STRIPING IN ROADWAY AND PARKING LOTS.

WHITE PAINTED TRAFFIC ARROW DETAIL (9)
NOT TO SCALE

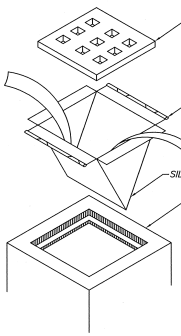


NOTE:
DEPTH TO BE 2' UNLESS POST IS TO BE SET IN PEAT THEN 3' OR DEPTH POSSIBLE BY PUSHING BY HAND SHALL BE REQUIRED.

SILT FENCE AND HAYBALE DETAIL (6)
NOT TO SCALE



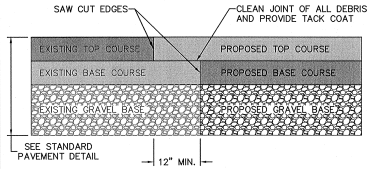
EVERGREEN TREE PLANTING (3)
NOT TO SCALE



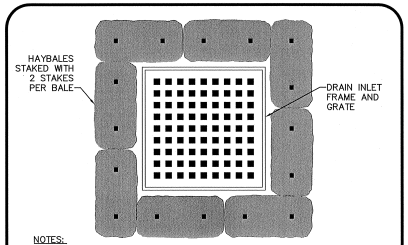
NOTE:
1. INSTALL SILTSACK PER MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS. EMPTY OR REMOVE SEDIMENT FROM SILTSACK WHEN RESTRAINT CORD IS NO LONGER VISIBLE. CLEAN, RINSE, AND REPLACE AS NEEDED.
2. SILT SACKS TO BE INSTALLED DURING CONSTRUCTION OPERATIONS WHEN THE POTENTIAL FOR SEDIMENT TO ENTER EXISTING & PROPOSED BASINS EXISTS.

SILT SACK INLET PROTECTION (11)
NOT TO SCALE

NOTE:
TACK COAT – PROVIDE EMULSIFIED ASPHALT WHICH CONFORMS TO THE REQUIREMENTS OF THE STATE SPECIFICATIONS, DILUTED WITH ONE PART WATER TO ONE ONE PART ASPHALT FOLLOWING AASHTO M140/ASTM D997, OR AASHTO M208/ASTM D2397, SS–1H, CSS–1, OR CSS–1H.



PAVEMENT KEY CUT DETAIL (8)
NOT TO SCALE

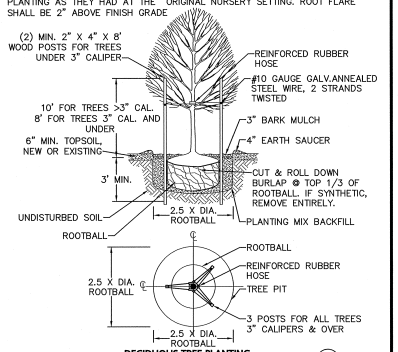


NOTES:

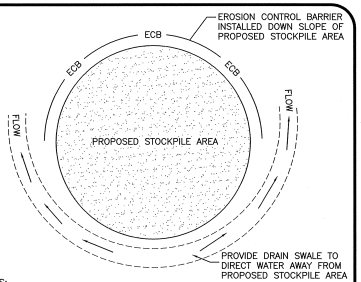
1. HAYBALES SHALL BE POSITIONED IN A ROW SO THAT EACH END TIGHTLY ABUTS THE ADJACENT BALE.
2. BALES SHALL BE SECURELY ANCHORED IN PLACE BY STAKES OR RE–BARS DRIVEN THROUGH THE BALES. THE FIRST STAKE IN EACH BALE SHALL BE ANGLED TOWARD PREVIOUSLY LAID BALE TO FORCE BALES TOGETHER.
3. FREQUENT INSPECTIONS SHALL BE CONDUCTED AND REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY IF NECESSARY.
4. WEDGE LOOSE STRAW BETWEEN HAYBALES TO CREATE A CONTINUOUS BARRIER.

TYPICAL HAYBALE FILTER DETAIL (5)
NOT TO SCALE

NOTE:
ALL TREES SHALL HAVE THE SAME RELATIONSHIP TO FINISHED GRADE AFTER PLANTING AS THEY HAD AT THE ORIGINAL NURSERY SETTING. ROOT FLARE SHALL BE 2" ABOVE FINISH GRADE

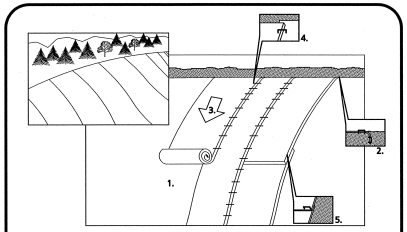


DECIDUOUS TREE PLANTING (2)
NOT TO SCALE



NOTES:
1. SOIL AND FILL STOCKPILES EXPECTED TO REMAIN IN PLACE FOR LESS THAN 90 DAYS SHALL BE COVERED WITH HAY AND MULCH (AT 100LBS/1,000 SF), OR WITH AN ANCHORED TARP WITHIN 7 DAYS OR PRIOR TO ANY RAINFALL.
2. SOIL AND FILL STOCKPILES EXPECTED TO REMAIN IN PLACE FOR 90 DAYS OR MORE SHALL BE SEEDED WITH WINTER RYE (FOR FALL SEEDING AT 1LB/1,000 SF) OR OATS (FOR SUMMER SEEDING AT 2LB/1,000 SF) AND THEN COVERED WITH HAY MULCH (AT 100LB/1,000 SF) OR AN ANCHORED TARP WITHIN 7 DAYS OR PRIOR TO ANY RAINFALL.

STOCKPILE PROTECTION DETAIL (10)
NOT TO SCALE

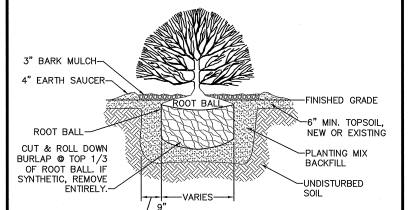


1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING APPLICATION OF LIME, FERTILIZER, AND SEED.
2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN A 6" DEEP BY 6" WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.
3. ROLL THE BLANKETS DOWN THE SLOPE IN THE DIRECTION OF THE WATER FLOW.
4. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2" OVERLAP.
5. WHEN BLANKETS MUST BE SPLICED DOWN THE SLOPE, PLACE BLANKETS END OVER END (SHINGLE STYLE) WITH APPROXIMATELY 6" OVERLAP. STAPLE THROUGH OVERLAP AREA, APPROXIMATELY 12" APART.

(REFER TO GENERAL STAPLE PATTERN GUIDE IN NORTH AMERICAN GREEN CATALOG FOR CORRECT STAPLE PATTERN RECOMMENDATIONS FOR SLOPE INSTALLATIONS.)

SLOPE STABILIZATION DETAIL (7)
NOT TO SCALE

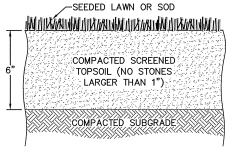
NOTE:
1. ALL SHRUBS SHALL HAVE THE SAME RELATIONSHIP TO FINISHED GRADE AFTER PLANTING AS THEY HAD AT THE ORIGINAL NURSERY SETTING.
2. ALL SHRUBS ARE TO BE PLANTED AT 3'–0" O.C. OR AS SPECIFIED ON THE PLANS.



SHRUB PLANTING (4)
NOT TO SCALE

NOTES:
1. TOP OF LOAM (TOPSOIL) IS FINISHED GRADE.
2. TOPSOIL SHALL BE FERTILE, FRIABLE SOIL, TYPICAL OF PRODUCT SOILS IN THE SURROUNDING AREA AND SHALL CONTAIN BETWEEN 5% AND 12% ORGANIC MATTER AND SHALL HAVE A MAXIMUM STONE SIZE OF 1" AND SHALL CONFORM TO THE FOLLOWING GRADATION:

SIEVE	% PASSING
1"	100
NO. 4	85–100
NO. 40	60–85
NO. 100	38–60
NO. 200	28–40



SEEDED OR SODDED LAWN (1)
NOT TO SCALE

1910

PHILIP L. CONDELLO
CIVIL
No. 43931
REGISTERED PROFESSIONAL ENGINEER
COMMONWEALTH OF MASSACHUSETTS

12-4-12
PROFESSIONAL ENGINEER FOR ALLEN & MAJOR ASSOCIATES, INC.

REV.	DATE	DESCRIPTION

APPLICANT\OWNER:
WELLESLEY COUNTRY CLUB
300 WELLESLEY AVE.
WELLESLEY, MA 02481

PROJECT:
WELLESLEY COUNTRY CLUB
PROPOSED POOL
REPLACEMENT AND RENOVATION
WELLESLEY, MA

PROJECT NO.	1917-01	DATE:	DECEMBER 4, 2012
SCALE:	N.T.S	DWG. NAME:	DETAILS
DESIGNED BY:	PLC	CHECKED BY:	PLC

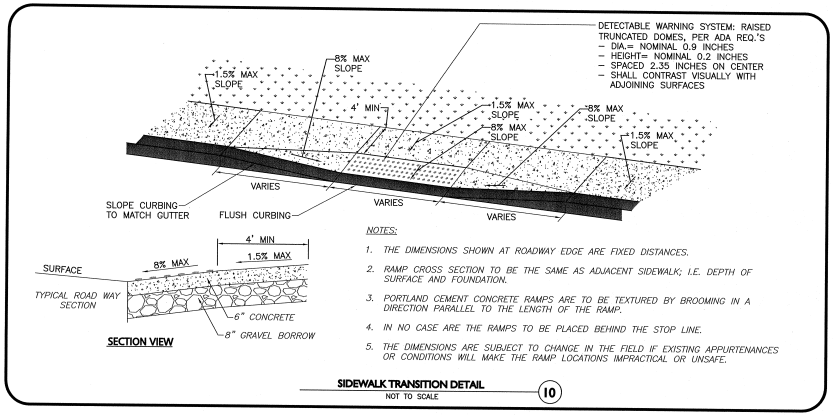
PREPARED BY:

ALLEN & MAJOR ASSOCIATES, INC.
civil & structural engineering ♦ land surveying
environmental consulting ♦ landscape architecture
www.allenmajor.com
10 MAIN STREET
LAKEVILLE, MA 02347-1674
TEL: (508) 923-1010
FAX: (508) 923-6309
WOBURN, MA ♦ LAKEVILLE, MA ♦ MANCHESTER, NH

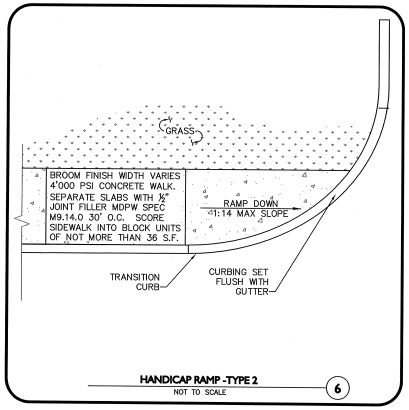
THIS DRAWING HAS BEEN PREPARED IN ELECTRONIC FORMAT. CLIENT/CLIENT'S REPRESENTATIVE OR CONSULTANT MAY BE PROVIDED COPIES OF DRAWINGS AND SPECIFICATIONS ON MAGNETIC MEDIA FOR HIS/HER INFORMATION AND USE FOR SPECIFIC APPLICATION TO THIS PROJECT, DUE TO THE POTENTIAL THAT THE MAGNETIC INFORMATION MAY BE MODIFIED UNINTENTIONALLY OR OTHERWISE, ALLEN & MAJOR ASSOCIATES, INC. MAY REMOVE ALL INDICATION OF THE DOCUMENT'S AUTHORSHIP ON THE MAGNETIC MEDIA. PRINTED REPRESENTATIONS OF THE DRAWINGS AND SPECIFICATIONS ISSUED SHALL BE THE ONLY RECORD COPIES OF ALLEN & MAJOR ASSOCIATES, INC.'S WORK PRODUCT.

DRAWING TITLE:	SHEET No.
SITE DETAILS	C-6.3

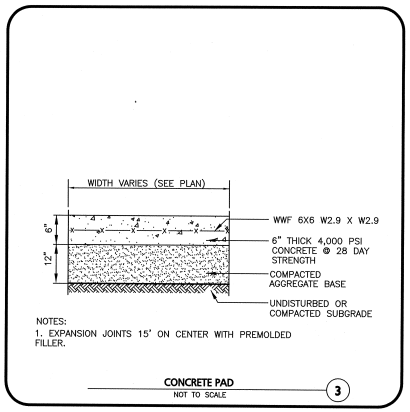
Copyright©2012 Allen & Major Associates, Inc. All Rights Reserved



SIDEWALK TRANSITION DETAIL 10
NOT TO SCALE

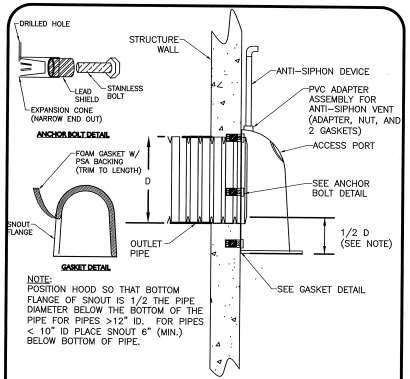


HANDICAP RAMP -TYPE 2
NOT TO SCALE 6



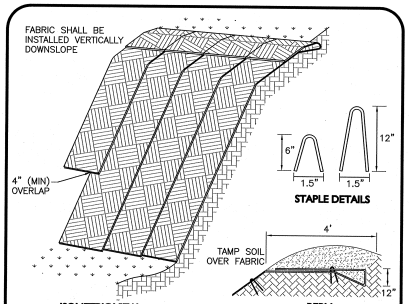
NOTES:
1. EXPANSION JOINTS 15' ON CENTER WITH PREMOLDED FILLER.

CONCRETE PAD
NOT TO SCALE 3



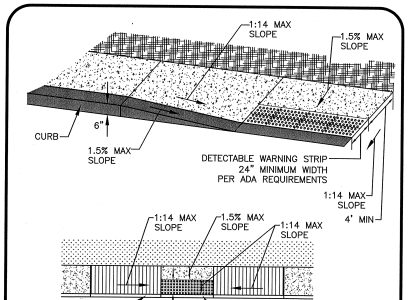
NOTE:
POSITION HOOD SO THAT BOTTOM FLANGE OF SNOUT IS 1/2 THE PIPE DIAMETER BELOW THE BOTTOM OF THE PIPE FOR PIPES >12" ID. FOR PIPES < 10" ID PLACE SNOUT 6" (MIN.) BELOW BOTTOM OF PIPE.

SNOUT OIL & DEBRIS STOP
NOT TO SCALE 9

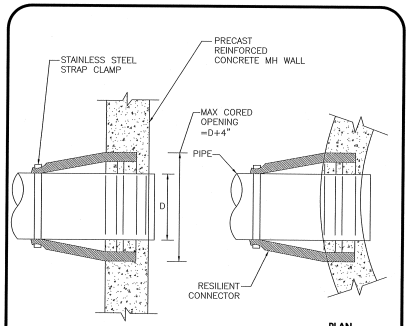


NOTE:
1. SLOPE SURFACE SHALL BE FREE OF ROCKS, CLODS, STICKS AND GRASS. FABRIC SHALL HAVE GOOD SOIL CONTACT.
2. APPLY PERMANENT SEEDING BEFORE PLACING FABRIC.
3. LAY BLANKETS LOOSELY AND STAKE OR STAPLE TO MAINTAIN DIRECT CONTACT WITH THE SOIL. DO NOT STRETCH.
4. CHOOSE MATERIAL BASED ON SLOPE, SOILS, AND APPLICATION.

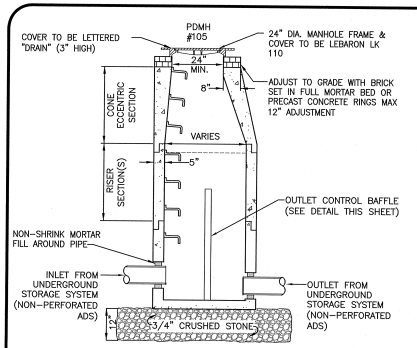
EROSION CONTROL FABRIC
NOT TO SCALE 8

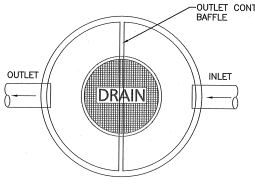


HANDICAP RAMP-TYPE 3
NOT TO SCALE 5



WATERTIGHT CONNECTION TO SEWER MANHOLE
NOT TO SCALE 2

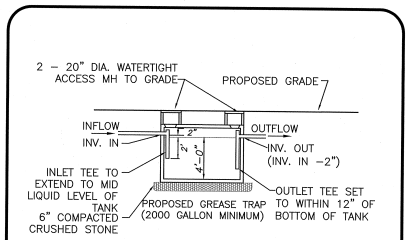




PLAN VIEW
NOT TO SCALE

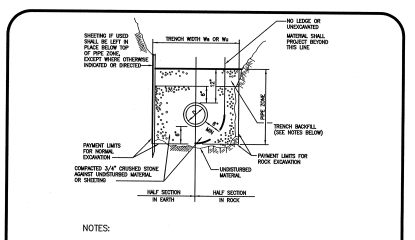
NOTE:
1. MANHOLE TO CONFORM TO ALL SPECIFICATIONS AS IN DRAIN MANHOLE DETAIL.
2. SEE PLAN FOR BAFFLE AND INVERT ELEVATIONS

UNDERGROUND SYSTEM DIVERSION STRUCTURE DETAIL 7
NOT TO SCALE



NOTES:
1. GREASE TRAP TO BE SIZED TO PROVIDE 24 HRS OF DETENTION FOR KITCHEN FLOW.
2. GREASE TRAP SHALL BE IN FULL COMPLIANCE WITH 310 CMR 15.230 AND ANY APPLICABLE TOWN OF WELLESLEY REGULATIONS
3. TEES SHALL BE SCHEDULE 40 PVC, AND BE SUPPORTED BY A STAINLESS STEEL HANGER OR STRAP.
4. REVERSE PVC VENTING THROUGH BUILDING, REQUIRED, IS NOT SHOWN. REFER TO PLUMBING CODE.
5. TANK SHOWN IS BASED ON SHEA CONCRETE COMMERCIAL TANK TK–2000C AND IS 6'X11'X7.5'.

GREASE TRAP DETAIL
NOT TO SCALE 4



NOTES:
1. TRENCH BACKFILL TO BE USED WITHIN THE RIGHT–OF–WAY SHALL CONSIST OF EITHER GRAVEL BORROW MEETING MASSDOT SPECIFICATION M1.03.0, TYPE "B" OR PROCESSED GRAVEL BORROW FOR SUBBASE MEETING MASSDOT SPECIFICATION M1.03.1.
2. WHERE THE REMOVAL OF 100 SQUARE FEET OR LESS OF ASPHALT IS REQUIRED WITHIN THE RIGHT–OF–WAY, THEN THE TRENCH BACKFILL MATERIAL SHALL CONSIST OF CONTROLLED DENSITY FILL MEETING MASSDOT SPECIFICATION M4.08.0, TYPE "1E" OR "2E".
3. TRENCH BACKFILL MATERIAL TO BE USED OUTSIDE OF THE RIGHT–OF–WAY MAY CONSIST OF MATERIAL GENERATED DURING EXCAVATIONS PROVIDED ALL STONES GREATER THAN 4" ARE REMOVED PRIOR TO PLACEMENT AND COMPACTION.
3. GRANULAR TRENCH BACKFILL MATERIAL USED WITHIN THE RIGHT–OF–WAY SHALL BE PLACED IN MAXIMUM 6" LIFTS AND MECHANICALLY COMPACTED TO A MINIMUM OF 95% OF THE MATERIAL'S MAXIMUM DRY DENSITY AND TO 90% ELSEWHERE AS DETERMINED BY ASTM D 1557.

SEWER TRENCH
NOT TO SCALE 1

1910

COMMONWEALTH OF MASSACHUSETTS
PHILIP L. CONCORSO
CIVIL
No. 47083
REGISTERED PROFESSIONAL ENGINEER
12-4-12
PROFESSIONAL ENGINEER FOR ALLEN & MAJOR ASSOCIATES, INC.

REV.	DATE	DESCRIPTION

APPLICANT\OWNER:
WELLESLEY COUNTRY CLUB
300 WELLESLEY AVE.
WELLESLEY, MA 02481

PROJECT:
WELLESLEY COUNTRY CLUB
PROPOSED POOL REPLACEMENT AND RENOVATION
WELLESLEY, MA

PROJECT NO.	1917-01	DATE:	DECEMBER 4, 2012
SCALE:	N.T.S	DWG. NAME:	DETAILS
DESIGNED BY:	PLC	CHECKED BY:	PLC

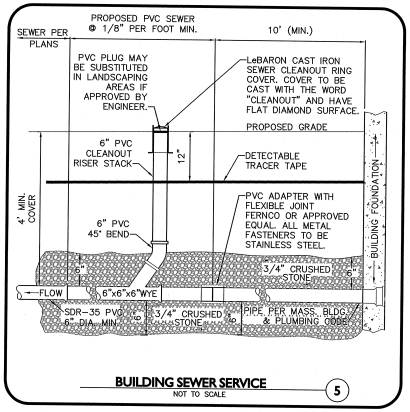
PREPARED BY:

ALLEN & MAJOR ASSOCIATES, INC.
civil & structural engineering ◆ land surveying
environmental consulting ◆ landscape architecture
www.allenmajor.com
10 MAIN STREET
LAKEVILLE, MA 02347-1674
TEL: (508) 923-1010
FAX: (508) 923-6309
WOBURN, MA ◆ LAKEVILLE, MA ◆ MANCHESTER, NH

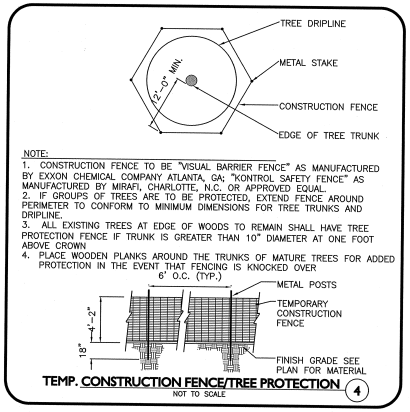
THIS DRAWING HAS BEEN PREPARED IN ELECTRONIC FORMAT. CLIENT/CLIENT'S REPRESENTATIVE OR CONSULTANT MAY BE PROVIDED COPIES OF DRAWINGS AND SPECIFICATIONS ON MAGNETIC MEDIA FOR HIS/HER INFORMATION AND USE FOR SPECIFIC APPLICATION TO THIS PROJECT. DUE TO THE POTENTIAL THAT THE MAGNETIC INFORMATION MAY BE MODIFIED UNINTENTIONALLY OR OTHERWISE, ALLEN & MAJOR ASSOCIATES, INC. MAY REMOVE ALL INDICATION OF THE DOCUMENT'S AUTHORSHIP ON THE MAGNETIC MEDIA. PRINTED REPRESENTATIONS OF THE DRAWINGS AND SPECIFICATIONS ISSUED SHALL BE THE ONLY RECORD COPIES OF ALLEN & MAJOR ASSOCIATES, INC.'S WORK PRODUCT.

DRAWING TITLE:	SHEET No.
SITE DETAILS	C-6.4

Copyright©2012 Allen & Major Associates, Inc. All Rights Reserved

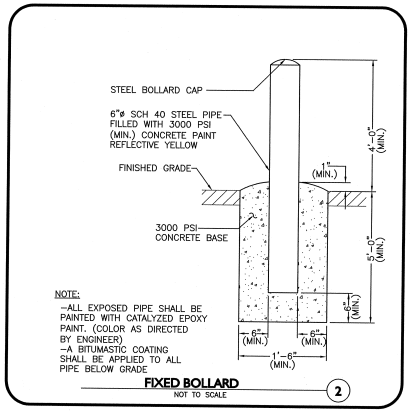


BUILDING SEWER SERVICE (5)
NOT TO SCALE



NOTE:
1. CONSTRUCTION FENCE TO BE "VISUAL BARRIER FENCE" AS MANUFACTURED BY EXXON CHEMICAL COMPANY ATLANTA, GA; "KONTROL SAFETY FENCE" AS MANUFACTURED BY MIRAFI, CHARLOTTE, N.C. OR APPROVED EQUAL.
2. IF GROUPS OF TREES ARE TO BE PROTECTED, EXTEND FENCE AROUND PERIMETER TO CONFORM TO MINIMUM DIMENSIONS FOR TREE TRUNKS AND DRIPLINE.
3. ALL EXISTING TREES AT EDGE OF WOODS TO REMAIN SHALL HAVE TREE PROTECTION FENCE IF TRUNK IS GREATER THAN 10" DIAMETER AT ONE FOOT ABOVE CROWN
4. PLACE WOODEN PLANKS AROUND THE TRUNKS OF MATURE TREES FOR ADDED PROTECTION IN THE EVENT THAT FENCING IS KNOCKED OVER

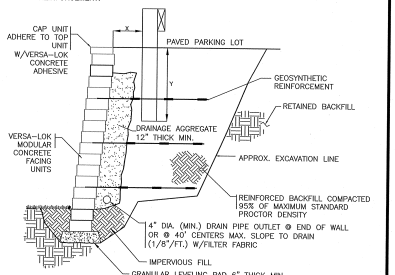
TEMP. CONSTRUCTION FENCE/TREE PROTECTION (4)
NOT TO SCALE



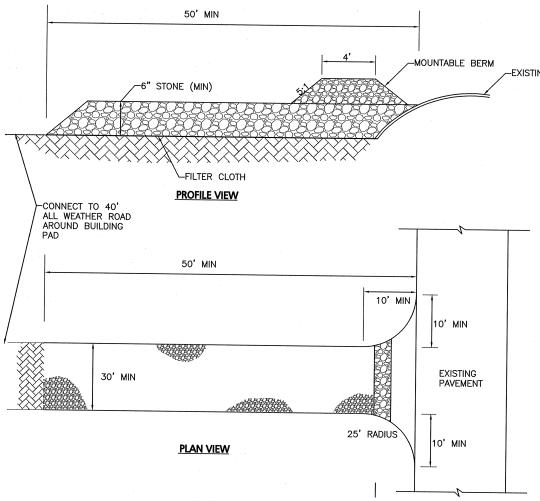
NOTE:
–ALL EXPOSED PIPE SHALL BE PAINTED WITH CATALYZED EPOXY PAINT. (COLOR AS DIRECTED BY ENGINEER)
–A BITUMASTIC COATING SHALL BE APPLIED TO ALL PIPE BELOW GRADE

FIXED BOLLARD (2)
NOT TO SCALE

GUARD RAIL NOTES (IF REQUIRED):
1. DISTANCE X AND Y TO BE DETERMINED BY ENGINEER BASED ON SOIL AND LOADING CONDITIONS.
2. INSTALL WOOD POST GUARD RAILS AS PER MANUFACTURER'S RECOMMENDATIONS.
3. GEOSYNTHETIC FABRIC TO BE CUT AND GUARD POSTS INSTALLED DURING WALL INSTALLATION. DO NOT DRIVE OR AUGER POSTS THROUGH GEOSYNTHETIC REINFORCEMENT.



SEGMENTAL BLOCK RETAINING WALL (6)
NOT TO SCALE

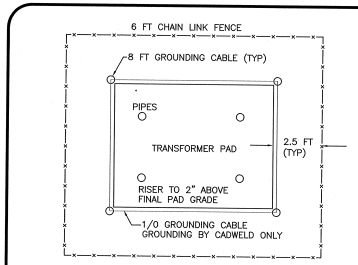


PROFILE VIEW

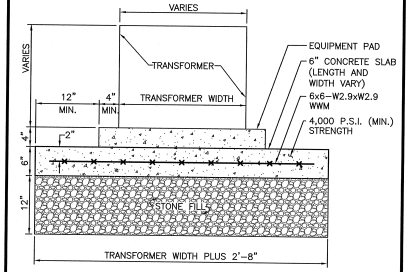
PLAN VIEW

NOTES:
1. USE #2 STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
2. LENGTH – AS REQUIRED BUT NOT LESS THAN 50 FEET.
3. DEPTH – NOT LESS THAN 6 INCHES.
4. WIDTH – 30 FEET MIN, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
5. FILTER CLOTH SHALL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
6. ALL SURFACE WATER FLOWING OR DIVERTED TOWARDS CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
7. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS–OF–WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEAN OUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT TRACKED, SPILLED, DROPPED, OR WASHED ONTO PUBLIC RIGHT–OF–WAY SHALL BE REMOVED IMMEDIATELY.
8. WHEELS SHALL BE WASHED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHT–OF–WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
9. PERIODIC INSPECTION AND REQUIRED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

STABILIZED CONSTRUCTION ENTRANCE (3)
NOT TO SCALE



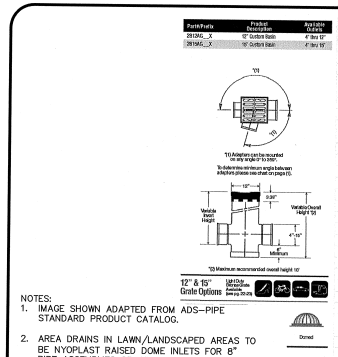
PLAN VIEW



SECTION VIEW

NOTES:
1. 2.5 FT WIDE AND 12" DEEP DIKE FILLED WITH COARSE CRUSHED STONE SURROUNDING PAD. 8FT GROUNDING RODS (x4) WITH 1/0 GROUNDING CABLE. GROUNDING BY CADWELD ONLY.
2. ALL PRIMARY FEEDERS WILL BE IN CONDUIT OR SCHEDULE 80 PVC CONDUIT. 36" IN DEPTH, ENCASED IN 1 FT OF CONCRETE.
3. MASS STATE CODE ARTICLE 450–27: TRANSFORMERS THAT ARE OIL FILLED WILL COME UNDER THIS ARTICLE.
4. IF TRANSFORMER IS WITHIN 15 FT OF A FIRE ESCAPE, WINDOW OPENING, OR DOOR, THEY WILL BE SAFEGUARDED BY SPACE SEPARATIONS, FIRE RESISTANT BARRIER, I.E., A WALL 6 FT HIGH OR A METAL SHEET MOUNTED ON THE 6 FT FENCE.
5. A 6 FT HIGH FENCE WILL BE PLACED AROUND THE TRANSFORMER WITH A GATE LARGE ENOUGH TO PASS THE LARGEST OF TRANSFORMERS THROUGH.
6. REFERENCE MECHANICAL ENGINEER'S PLANS FOR ANY PIPE, CONDUIT AND GROUND WIRE LOCATIONS.
7. PAD AND TRANSFORMER TO BE INSTALLED PER MASS ELECTRIC & TOWN OF MANSFIELD LIGHT DEPARTMENT STANDARDS.

CONCRETE TRANSFORMER PAD (1)
NOT TO SCALE



NOTES:
1. IMAGE SHOWN ADAPTED FROM ADS–PIPE STANDARD PRODUCT CATALOG.
2. AREA DRAINS IN LAWN/LANDSCAPED AREAS TO BE NYOPLAST RAISED DOME INLETS FOR 8" PIPE ASSEMBLIES OR APPROVED ALTERNATE.

YARD DRAIN/INLINE DRAIN DETAIL (5)
NOT TO SCALE

1910

PHILIP L. CORDEIRO
CIVIL
No. 41000
REGISTERED PROFESSIONAL ENGINEER
COMMONWEALTH OF MASSACHUSETTS

12-4-12
PROFESSIONAL ENGINEER FOR ALLEN & MAJOR ASSOCIATES, INC.

REV.	DATE	DESCRIPTION

APPLICANT\OWNER:
WELLESLEY COUNTRY CLUB
300 WELLESLEY AVE.
WELLESLEY, MA 02481

PROJECT:
WELLESLEY COUNTRY CLUB
PROPOSED POOL
REPLACEMENT AND RENOVATION
WELLESLEY, MA

PROJECT NO.	1917-01	DATE:	DECEMBER 4, 2012
SCALE:	N.T.S	DWG. NAME:	DETAILS
DESIGNED BY:	PLC	CHECKED BY:	PLC

PREPARED BY:
ALLEN & MAJOR ASSOCIATES, INC.
civil & structural engineering ♦ land surveying
environmental consulting ♦ landscape architecture
www.allenmajor.com
10 MAIN STREET
LAKEVILLE, MA 02347-1674
TEL: (508) 923-1010
FAX: (508) 923-6309
WOBURN, MA ♦ LAKEVILLE, MA ♦ MANCHESTER, NH

THIS DRAWING HAS BEEN PREPARED IN ELECTRONIC FORMAT. CLIENT/CLIENT'S REPRESENTATIVE OR CONSULTANT MAY BE PROVIDED COPIES OF DRAWINGS AND SPECIFICATIONS ON MAGNETIC MEDIA FOR HIS/HER INFORMATION AND USE FOR SPECIFIC APPLICATION TO THIS PROJECT. DUE TO THE POTENTIAL THAT THE MAGNETIC INFORMATION MAY BE MODIFIED UNINTENTIONALLY OR OTHERWISE, ALLEN & MAJOR ASSOCIATES, INC. MAY REMOVE ALL INDICATION OF THE DOCUMENT'S AUTHORSHIP ON THE MAGNETIC MEDIA. PRINTED REPRESENTATIONS OF THE DRAWINGS AND SPECIFICATIONS ISSUED SHALL BE THE ONLY RECORD COPIES OF ALLEN & MAJOR ASSOCIATES, INC.'S WORK PRODUCT.

DRAWING TITLE: SITE DETAILS
SHEET No. C-6.5

Copyright©2012 Allen & Major Associates, Inc. All Rights Reserved