



WESTWOOD PUBLIC SAFETY

D&W PROJECT # 14-676

300 Washington Street
Westwood, MA 02090

OWNER

TOWN OF WESTWOOD
580 HIGH STREET
WESTWOOD, MA 02090
P: 781.326.6450
F: 781.329.8030

OWNERS PROJECT MANAGER

COMPASS PROJECT MANAGEMENT
266 MAIN STREET, SUITE 31A
MEDFIELD, MA 02052
P: 508.589.5061
F: 508.589.6171

ARCHITECT

DORE & WHITTIER ARCHITECTS, INC.
260 MERRIMAC STREET
BUILDING 7, 2nd FLOOR
NEWBURYPORT, MA 01950
P: 978.499.2999
F: 978.499.2944

212 BATTERY STREET
BURLINGTON, VT 05401
P: 802.863.1428
F: 802.863.6955

PROGRAMMING & DESIGN CONSULTANT

CR ARCHITECTURE + DESIGN
600 VINE STREET, SUITE 2210
CINCINNATI, OH 45202
P: 513.721.8080
F: 513.721.8181

CIVIL ENGINEER

PARE CORPORATION
10 LINCOLN ROAD, SUITE 103
FOXBORO, MA 02035
P: 508.543.1755
F: 502.543.1881

LANDSCAPE CONSULTANT

BROWN SARDINA, INC.
129 SOUTH STREET, 6TH FLOOR
BOSTON, MA 02111
P: 617.482.4703
F: 617.482.4882

MEP ENGINEERS

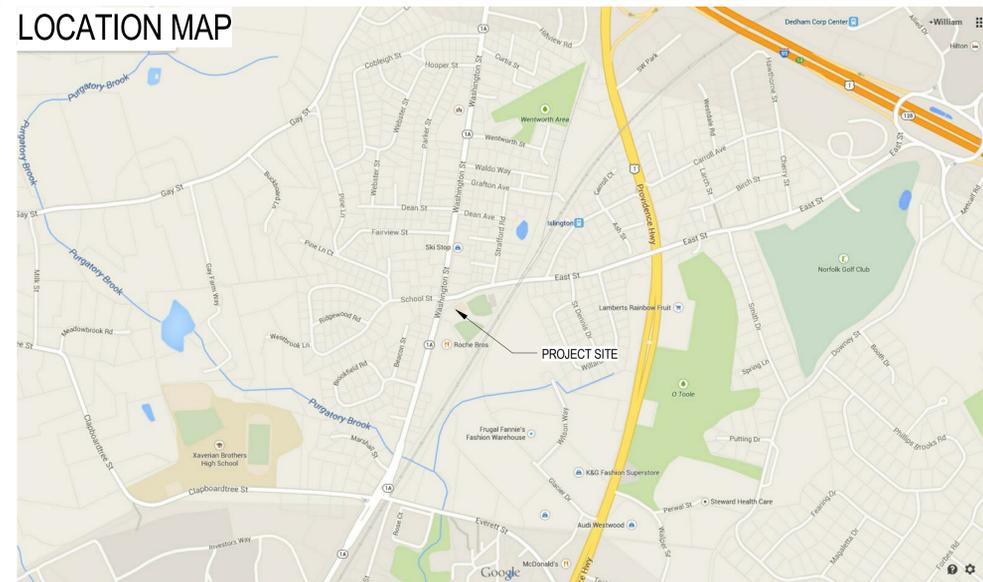
GARCIA GALUSKA DeSOUSA, INC.
370 FAUNCE CORNER ROAD
DARTMOUTH, MA 01747-1217
P: 508.998.5700
F: 508.998.0883

STRUCTURAL ENGINEER

ENGINEERS DESIGN GROUP, INC.
10 CABOT ROAD, SUITE 210
MEDFORD, MA 02115
P: 781.396.9007
F: 781.396.9008



LOCATION MAP



SHEET NUMBER - SHEET NAME

EXISTING CONDITIONS
V1.0 - EXISTING CONDITIONS SURVEY

CIVIL
C0.1 - LEGEND AND GENERAL NOTES
C1.0 - DEMOLITION PLAN
C2.0 - SITE IMPROVEMENTS PLAN
C3.0 - GRADING PLAN
C4.0 - DRAINAGE PLAN
C5.0 - UTILITY PLAN
C6.1 - SITE DETAILS 1
C6.2 - SITE DETAILS 2
C6.3 - SITE DETAILS 3
C6.4 - SITE DETAILS 4
C6.5 - SITE DETAILS 5
C6.6 - SITE DETAILS 6
C6.7 - SITE DETAILS 7

LANDSCAPE
L1.00 - MATERIALS AND PLANTING PLANS
L2.10 - SITE DETAILS
L2.20 - SITE DETAILS
L2.30 - SITE DETAILS
L2.40 - SITE SECTIONS

ARCHITECTURAL
A1.10 - FIRST FLOOR PLAN
A1.20 - SECOND FLOOR PLAN
A3.10 - ROOF PLAN
A4.10 - EXTERIOR ELEVATIONS
A4.11 - EXTERIOR ELEVATIONS

ELECTRICAL
E0.03 - ELECTRICAL SITE PLAN
LC.1 - SITE LIGHTING LAYOUT & ILLUMINANCE VALUES

PLANNING BOARD SUBMISSION
27 JANUARY 2015

REFERENCES

COUNTY REGISTRY OF DEEDS
 BOOK 2344, PAGE 40
 PLAN IN BOOK 2344, PAGE 40
 PLAN BOOK 134, PLAN 438
 PLAN NO. 867 OF 1969
 MASSACHUSETTS LAND COURT
 LCC 16341-B
 MASSACHUSETTS HIGHWAY DEPARTMENT
 LAYOUT #7345

NOTES:

- 1) BENCH MARK INFORMATION:
 BENCH MARK USED:
 ELEVATIONS ESTABLISHED BY GLOBAL POSITIONING SYSTEM (GPS)
 TEMPORARY BENCH MARKS SET:
 TBM-1: RIGHT OUTER CORNER OF THE 2ND CONCRETE STEP (1ST STEP FLUSH) AT THE ISLINGTON COMMUNITY CENTER, ELEVATION = 104.12
 TBM-2: LEFT OUTER CORNER OF THE LOWER CONCRETE STEP AT 315 WASHINGTON STREET, ELEVATION = 105.24
 TBM-3: NORTHWEST CORNER OF A CONCRETE TRANSFORMER PAD ON THE NORTHERLY SIDE OF "ROCHE BROTHERS", ELEVATION = 100.32
- 2) ELEVATIONS REFER TO N.A.V.D. OF 1988
- 3) CONTOUR INTERVAL EQUALS ONE (1) FOOT.
- 4) BY GRAPHIC PLOTTING ONLY, THE PARCEL SHOWN HEREON LIES WITHIN A ZONE "X" (UNSHADED), AN AREA OUTSIDE OF THE 0.2% ANNUAL CHANCE FLOOD, AS SHOWN ON THE FEDERAL EMERGENCY MANAGEMENT AGENCY (F.E.M.A) FLOOD INSURANCE RATE MAP (F.I.R.M.) FOR SUFFOLK COUNTY, MASSACHUSETTS, MAP NUMBER 25021C0179E, TOWN OF WESTWOOD COMMUNITY NUMBER 255225, PANEL NUMBER 0179E, HAVING AN EFFECTIVE DATE OF JULY 17, 2012.
- 5) UTILITY INFORMATION SHOWN IS BASED ON BOTH A FIELD SURVEY AND PLANS OF RECORD. THE LOCATIONS OF UNDERGROUND PIPES AND CONDUITS HAVE BEEN DETERMINED FROM THE AFOREMENTIONED RECORD PLANS AND ARE APPROXIMATE ONLY. WE CANNOT ASSUME RESPONSIBILITY FOR DAMAGES INCURRED AS A RESULT OF UTILITIES THAT ARE OMITTED OR INACCURATELY SHOWN ON SAID RECORD PLANS, SINCE SUB-SURFACE UTILITIES CANNOT BE VISIBLY VERIFIED. BEFORE PLANNING FUTURE CONNECTIONS, THE PROPER UTILITY ENGINEERING DEPARTMENT SHOULD BE CONSULTED AND THE ACTUAL LOCATION OF SUB-SURFACE STRUCTURES SHOULD BE DETERMINED IN THE FIELD. CALL, TOLL FREE, THE DIG SAFE CALL CENTER AT 1-888-344-7233 SEVENTY-TWO HOURS PRIOR TO EXCAVATION.
- 6) MANHOLES SHOWN HEREON AS "INACC." WERE SEALED SHUT.
- 7) LOCATION OF AT&T CONDUIT SHOWN HEREON WAS TAKEN FROM A PLAN ENTITLED "SITE PLAN - MORRISON PARK, EAST STREET, WESTWOOD, MASSACHUSETTS, V 638", PREPARED BY GREENMAN-PEDERSEN, INC., DATED 10/18/89, REVISED TO 6/02/00.
- 8) THIS DOCUMENT IS AN INSTRUMENT OF SERVICE OF FELDMAN LAND SURVEYORS ISSUED TO OUR CLIENT FOR PURPOSES RELATED DIRECTLY AND SOLELY TO FELDMAN LAND SURVEYORS' SCOPE OF SERVICES UNDER CONTRACT TO OUR CLIENT FOR THIS PROJECT. ANY USE OR REUSE OF THIS DOCUMENT FOR ANY REASON BY ANY PARTY FOR PURPOSES UNRELATED DIRECTLY AND SOLELY TO SAID CONTRACT SHALL BE AT THE USER'S SOLE AND EXCLUSIVE RISK AND LIABILITY, INCLUDING LIABILITY FOR VIOLATION OF COPYRIGHT LAWS, UNLESS WRITTEN CONSENT IS PROVIDED BY FELDMAN LAND SURVEYORS.

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Project No. _____

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PERMITTING PLANS

REVISION:	Date:
DATE:	SCALE:
01/27/2015	AS NOTED
DRAWN BY:	CHK'D BY:

SHEET TITLE:

EXISTING CONDITIONS SURVEY

SHEET #:

V1.0

EXISTING CONDITIONS PLAN
FIRE STATION #2, 300 WASHINGTON ST
WESTWOOD, MASS.

FELDMAN LAND SURVEYORS SEPTEMBER 12, 2014
 112 SHAWMUT AVENUE PHONE: (617)357-9740
 BOSTON, MASS. 02118 www.feldmansurveyors.com

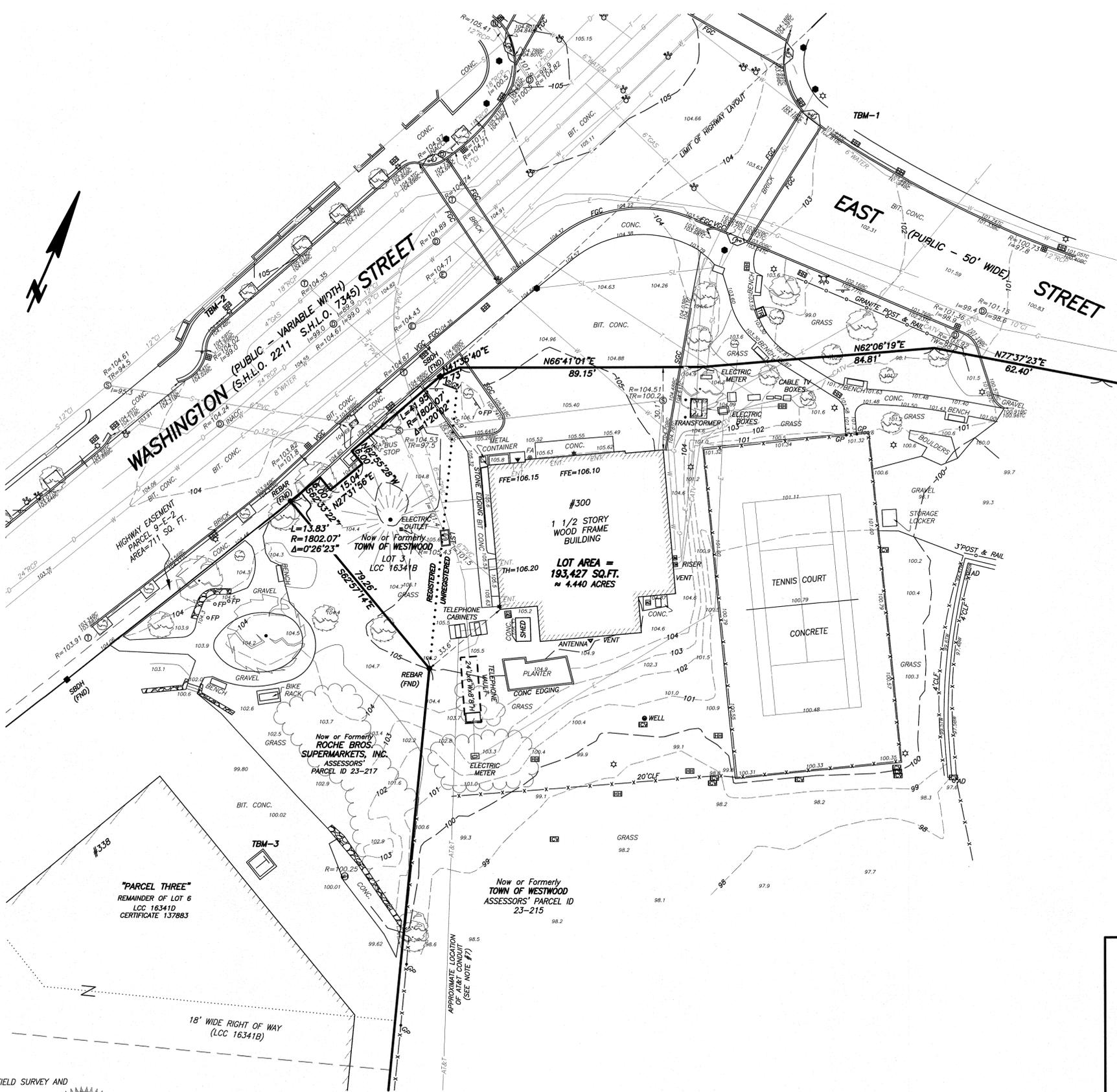
FELDMAN
 LAND SURVEYORS

20 0 10 20 40 80
 SCALE: 1"=20'

RESEARCH	FIELD CHIEF DH	PROJ MGR KAM	APPROVED	SHEET NO. 1 OF 1
CALC	CADD MDS	FIELD CHECKED	CRD FILE 14367	JOB NO. 14367

FILENAME: S:\PROJECTS\14367\DWG\14367-EC.dwg

- LEGEND**
- ⊙ SEWER MANHOLE
 - ⊙ DRAIN MANHOLE
 - ⊙ ELECTRIC MANHOLE
 - ⊙ TELEPHONE MANHOLE
 - ⊙ CABLE TV MANHOLE
 - ⊙ MANHOLE
 - ⊙ HYDRANT
 - ⊙ WATER SHUT OFF
 - ⊙ GAS SHUT OFF
 - ⊙ CATCH BASIN
 - ⊙ TRAFFIC CONTROL BOX
 - ⊙ TRAFFIC SIGNAL
 - ⊙ LIGHT POLE
 - ⊙ ELECTRIC HANDHOLE
 - ⊙ BOLLARD
 - ⊙ SIGN
 - ⊙ FA FIRE ALARM
 - ⊙ FLOOD LIGHT
 - ⊙ IRRIGATION CONTROL VALVE
 - ⊙ GAS METER
 - ⊙ AIR CONDITIONING UNIT
 - ⊙ TRASH RECEPTACLE
 - ⊙ DECIDUOUS TREE
 - ⊙ CONIFEROUS TREE
 - ⊙ HANDICAP RAMP
 - ENT ENTRANCE
 - FFE FINISH FLOOR ELEVATION
 - TH THRESHOLD
 - TOW TOP OF WATER
 - CLEAN OUT
 - TBM TEMPORARY BENCH MARK
 - REC RECORD
 - CALC CALCULATED
 - VGC VERTICAL GRANITE CURB
 - BIT BITUMINOUS
 - CONC CONCRETE
 - TC TOP OF CURB
 - BC BOTTOM OF CURB
 - I= INVERT ELEVATION
 - TT= TOP OF TRAP
 - TR= CENTERLINE OF TROUGH
 - TVP= TOP OF VERTICAL PIPE
 - INACC. INACCESSIBLE
 - SQ. FT. SQUARE FEET
 - R= RADIUS OR RIM ELEVATION
 - L= LENGTH
 - FGC FLUSH GRANITE CURB
 - SGC SLOPED GRANITE CURB
 - GUARD RAIL
 - X- CHAIN LINK FENCE
 - S- SEWER
 - D- DRAIN
 - W- WATER
 - G- GAS
 - E- ELECTRIC
 - SL- STREET LIGHTING
 - T- TELEPHONE
 - C- CABLE TELEVISION
 - T- TRANSFORMER
 - STONE WALL

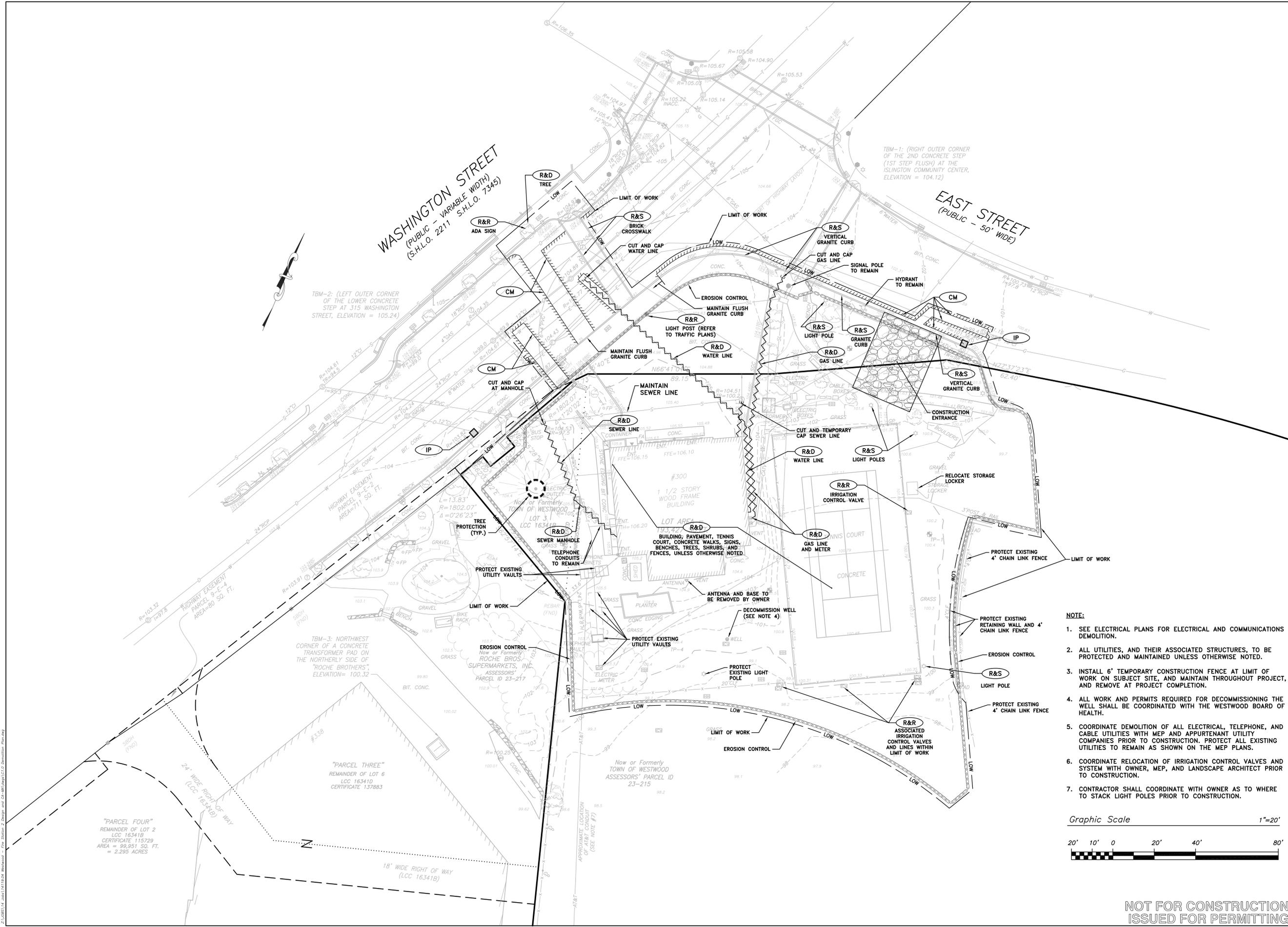


I CERTIFY THAT THIS PLAN IS BASED ON AN ACTUAL FIELD SURVEY AND THE LATEST PLANS AND DEEDS OF RECORD.


 KARL A. MCCARTHY, PLS (MA# 38714)
 kam@feldmansurveyors.com

11-14-2014
 DATE


 KARL A. MCCARTHY
 NO. 38714
 REGISTERED
 PROFESSIONAL LAND SURVEYOR



TBM-2: (LEFT OUTER CORNER OF THE LOWER CONCRETE STEP AT 315 WASHINGTON STREET, ELEVATION = 105.24)

TBM-1: (RIGHT OUTER CORNER OF THE 2ND CONCRETE STEP (1ST STEP FLUSH) AT THE ISLINGTON COMMUNITY CENTER, ELEVATION = 104.12)

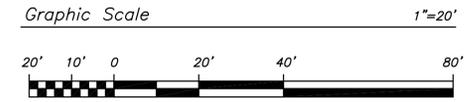
TBM-3: NORTHWEST CORNER OF A CONCRETE TRANSFORMER PAD ON THE NORTHERLY SIDE OF "ROCHE BROTHERS", ELEVATION = 100.32

"PARCEL FOUR" REMAINDER OF LOT 2 LCC 16341B CERTIFICATE 115729 AREA = 39,951 SQ. FT. = 2.295 ACRES

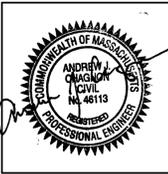
"PARCEL THREE" REMAINDER OF LOT 6 LCC 16341D CERTIFICATE 137883

Now or Formerly TOWN OF WESTWOOD ASSESSORS' PARCEL ID 23-215

- NOTE:**
- SEE ELECTRICAL PLANS FOR ELECTRICAL AND COMMUNICATIONS DEMOLITION.
 - ALL UTILITIES, AND THEIR ASSOCIATED STRUCTURES, TO BE PROTECTED AND MAINTAINED UNLESS OTHERWISE NOTED.
 - INSTALL 6' TEMPORARY CONSTRUCTION FENCE AT LIMIT OF WORK ON SUBJECT SITE, AND MAINTAIN THROUGHOUT PROJECT, AND REMOVE AT PROJECT COMPLETION.
 - ALL WORK AND PERMITS REQUIRED FOR DECOMMISSIONING THE WELL SHALL BE COORDINATED WITH THE WESTWOOD BOARD OF HEALTH.
 - COORDINATE DEMOLITION OF ALL ELECTRICAL, TELEPHONE, AND CABLE UTILITIES WITH MEP AND APPURTENANT UTILITY COMPANIES PRIOR TO CONSTRUCTION. PROTECT ALL EXISTING UTILITIES TO REMAIN AS SHOWN ON THE MEP PLANS.
 - COORDINATE RELOCATION OF IRRIGATION CONTROL VALVES AND SYSTEM WITH OWNER, MEP, AND LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION.
 - CONTRACTOR SHALL COORDINATE WITH OWNER AS TO WHERE TO STACK LIGHT POLES PRIOR TO CONSTRUCTION.



NOT FOR CONSTRUCTION
ISSUED FOR PERMITTING



PARE CORPORATION
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978-943-7355



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Project No. 14119.04

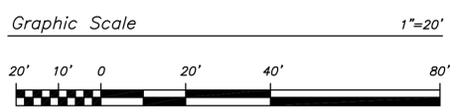
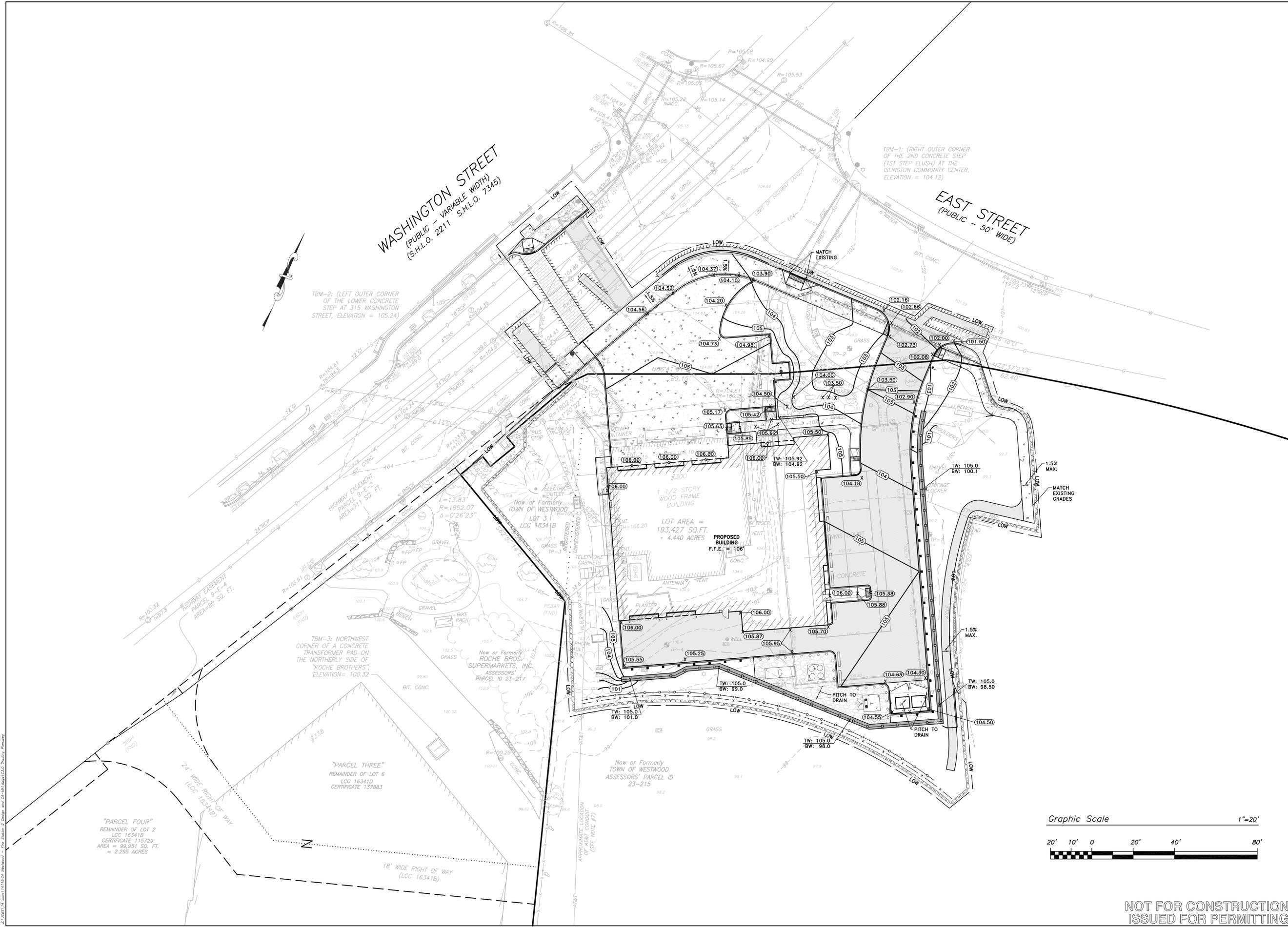
PERMITTING PLANS

REVISION:	Date:
DATE: 01-27-2015	SCALE: AS NOTED
DRAWN BY: AWB	CHKD BY: MJG

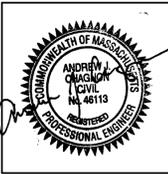
SHEET TITLE:
DEMOLITION PLAN

SHEET #:
C1.0

Z:\10285\14_sds\14119\24_westwood - Per Station 2 Design and CA-MAP\Map\CT1.Demolition Plan.dwg



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DW
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Project No.
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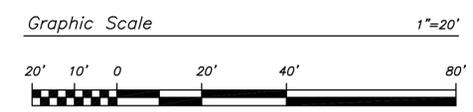
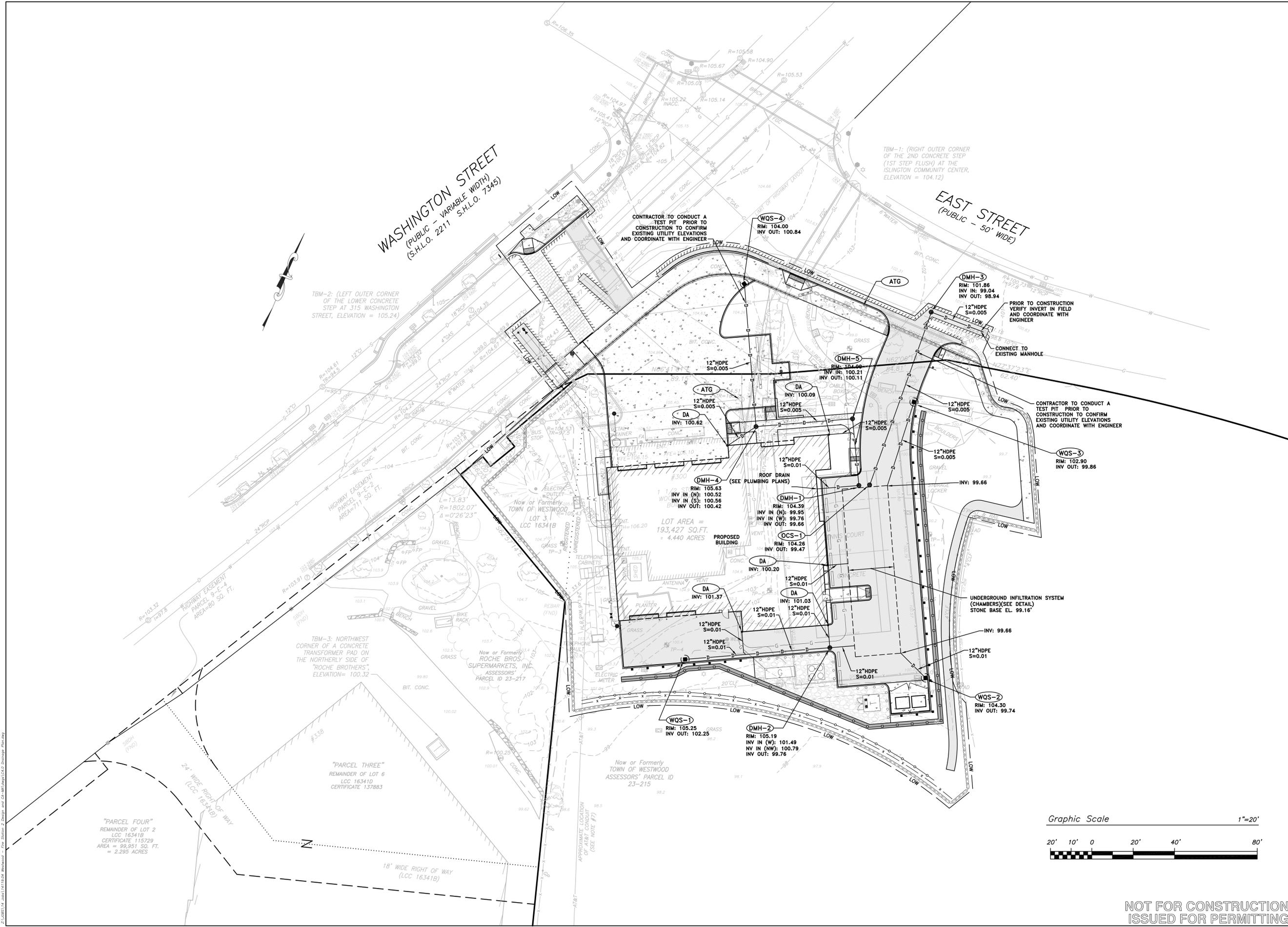
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DATE: 01-27-2015	SCALE: AS NOTED
DRAWN BY: AWB	CHK'D BY: MJG

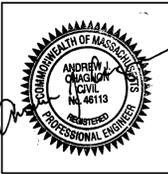
SHEET TITLE:
GRADING PLAN

SHEET #:
C3.0

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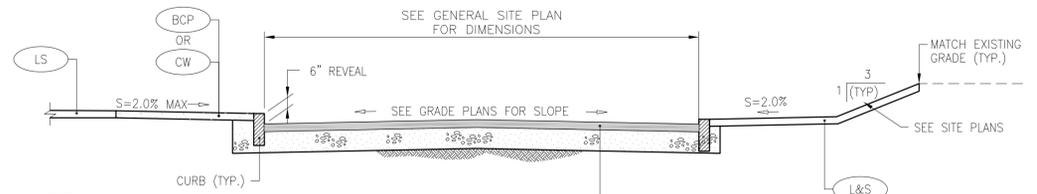
PERMITTING PLANS

REVISION:	Date:
DATE:	SCALE:
01-27-2015	AS NOTED
DRAWN BY:	CHK'D BY:
AWB	MJG

SHEET TITLE:
DRAINAGE PLAN

SHEET #:
C4.0

Z:\1085114.dwg 1/17/15 10:04 AM Westwood - Fire Station 2 Design and CA-MAT\pwp\1\CAE.D Drainage Plan.dwg

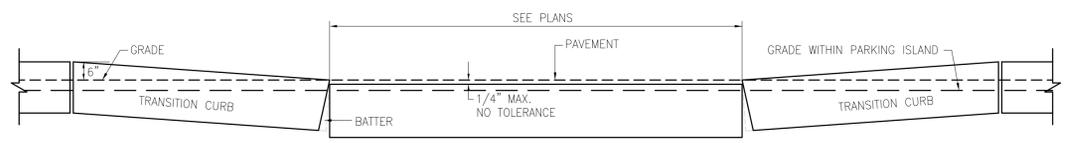


NOTE:

1. DETAIL PROVIDED FOR REFERENCE ONLY. FINAL DESIGN IS DEPENDANT ON GEOTECHNICAL INFORMATION AND WILL BE COMPLETED ONCE THE GEOTECHNICAL REPORT IS RECEIVED.
2. BACKFILL REQUIREMENTS WITHIN THE RIGHT-OF-WAY SHALL MEET THE TOWN REQUIREMENTS. CONTRACTOR TO COORDINATE WITH TOWN PRIOR TO CONSTRUCTION.

BCP = BITUMINOUS CONCRETE PAVEMENT
 2" FINISH COURSE OVER
 2" BINDER COURSE OVER
 6" SAND GRAVEL FILL AGGREGATE BASE COURSE OVER
 8" GRANULAR FILL AGGREGATE SUBBASE COURSE
 ASPHALT EMULSION TACK COAT IS TO BE APPLIED BETWEEN BITUMINOUS LAYERS

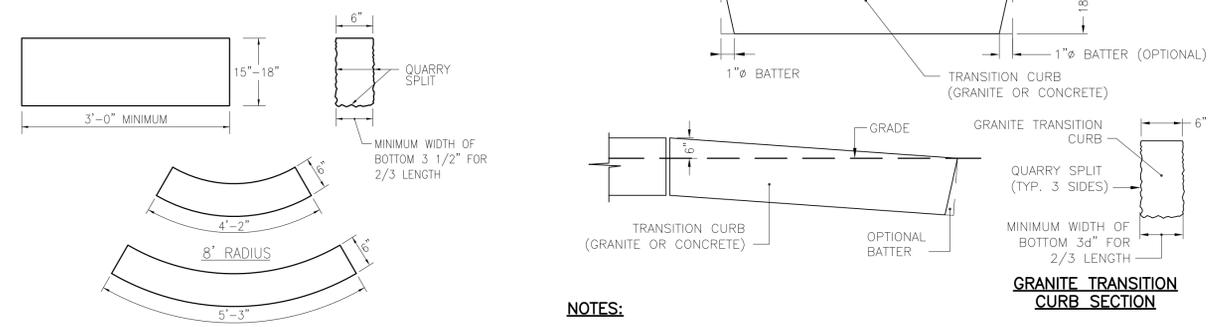
TYPICAL BITUMINOUS CONCRETE PAVEMENT SECTION
 NOT TO SCALE



NOTES:

1. TOP SURFACE TO BE DRESSED BY SAW OR TOOL.
2. GRANITE CURB SHALL CONFORM TO M.H.D. STD. SPECIFICATION MATERIALS SECTION M9.04.1 GRANITE CURB, TYPE VA4.

FLUSH GRANITE CURB
 NOT TO SCALE



NOTES:

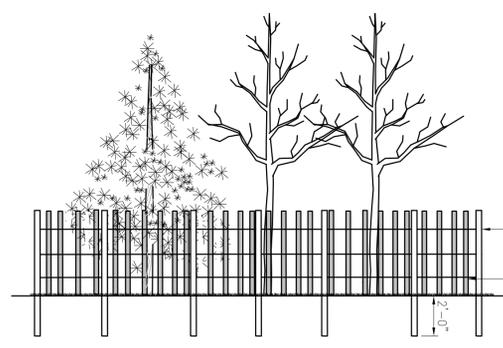
1. GRANITE CURB TOP SURFACE TO BE DRESSED BY SAW OR TOOL.
2. GRANITE CURB SHALL CONFORM TO M.H.D. STD. SPECIFICATION MATERIALS SECTION M9.04.1 GRANITE CURB, TYPE VA4.

GRANITE TRANSITION CURB
 NOT TO SCALE

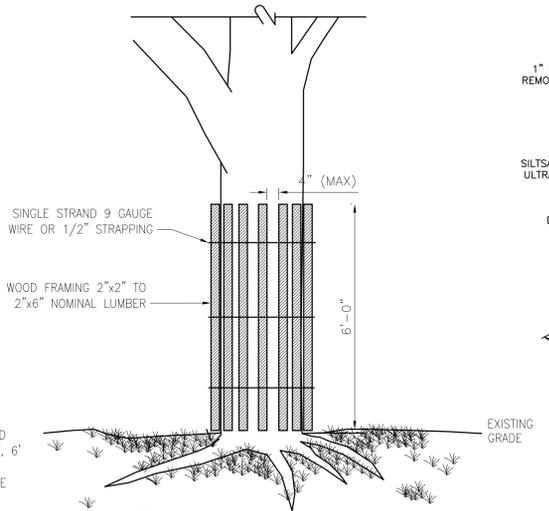
NOTES:

1. MAXIMUM LENGTHS USING 8' & 10' RADII, WITH 90° ANGLE, ARE 4'-2" AND 5'-3" RESPECTIVELY.
2. MINIMUM LENGTH OF STRAIGHT OR CIRCULAR FILLER PIECES TO BE 3'-0".
3. TOP SURFACE TO BE DRESSED BY SAW.
4. CIRCULAR CURB IS REQUIRED ON CURVES WITH RADII OF 100' OR LESS. STRAIGHT CURB TO BE USED ON CURVES OF MORE THAN 100' RADII.
5. GRANITE CURB SHALL CONFORM TO M.H.D. STD. SPECIFICATION MATERIALS SECTION M9.04.1 GRANITE CURB, TYPE VA4.
6. 3000 PSI CONCRETE BACKFILL IS REQUIRED FOR ALL GRANITE CURB.

GRANITE CURB QUARRY SPLIT
 NOT TO SCALE

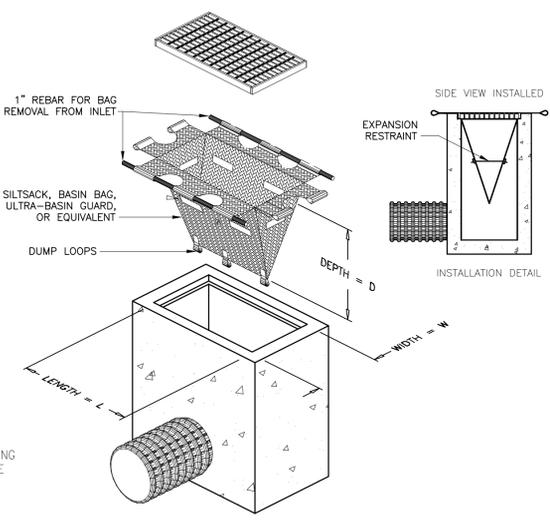


TREE GROUP PROTECTION DETAIL
 NOT TO SCALE



NOTE:
 THIS DETAIL SHALL BE USED TO PROTECT THE TREE'S TRUNK IN SITUATIONS WHERE CONSTRUCTION IS IN CLOSE PROXIMITY.

TREE PROTECTION DEVICE
 NOT TO SCALE



NOTES:

1. INLET PROTECTION SHALL BE CLEANED OF SILT AND DEBRIS ON A REGULAR BASIS AS REQUIRED BY PROJECT SPECIFIC SWPPP.
2. INSPECTIONS SHALL BE DONE AFTER EACH RAIN EVENT AND AT A MINIMUM EVERY TWO WEEKS AND AS REQUIRED BY PROJECT SPECIFIC SWPPP.

INLET PROTECTION DETAIL
 NOT TO SCALE

EROSION CONTROL

MASS HIGHWAY CONSTRUCTION STANDARDS

DATE OF ISSUE: 9/22/95
 DRAWING NUMBER: 210.1.0

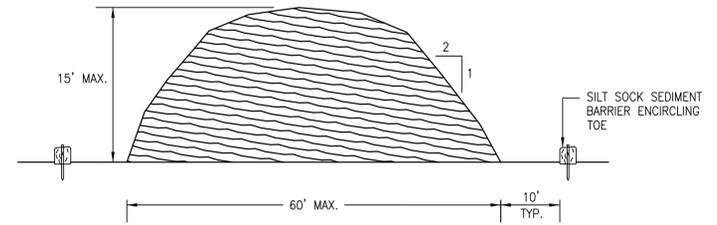
DURING A CONSTRUCTION PROJECT, SOIL EROSION CAN BE A MAJOR CONTRIBUTING FACTOR TO ENVIRONMENTAL POLLUTION. IN ORDER TO MINIMIZE THE EFFECT OF SEDIMENTATION, SCOUR, TURBULENCE, WASHOUTS, ETC. DURING CONSTRUCTION OPERATIONS, TEMPORARY, AND UNDER SOME CONDITIONS PERMANENT, CONTROLS MUST BE BUILT.

THE FORM AND DESIGN OF THE CONTROLS WILL VARY WITH THE TYPE OF AREA THAT IS TO BE PROTECTED AND THE SPECIFIC CAUSE OF THE ENVIRONMENTAL DEGRADATION. THE PROTECTIVE STRUCTURES MAY CONSIST OF:

- SEDIMENTATION POOLS FOR THE PROTECTION OF RIVERS, LAKES, STREAMS AND PONDS
- TEMPORARY BERMS TO CONTROL HEAVY RUNOFF, THUS PREVENTION WASHOUTS
- DITCHES AT TOES OF SLOPES
- CHECK DAMS AT WATERWAY CROSSINGS
- FILTERS AT DRAIN INLETS
- ENERGY DISSIPATORS AT DRAIN OUTLETS (i.e. SPLASH PADS, BULK STONE DEPOSITS, ETC.) AT CULVERT ENDS.

IN MOST SITUATIONS THE TYPE AND LOCATION OF POLLUTION CONTROL DEVICES CAN BE DETERMINED DURING THE DESIGN STAGE OF THE PROJECT. HOWEVER, FIELD CONDITIONS MAY WARRANT ADDITIONAL MEASURES AND CHANGES DURING THE CONSTRUCTION PHASE.

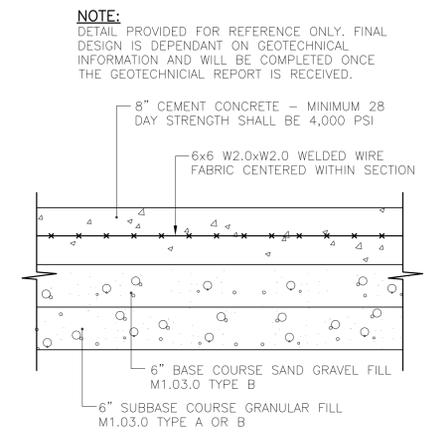
MANY TYPES OF PROTECTIVE SCHEMES AND DESIGNS CAN BE ADAPTED TO MEET A PARTICULAR CONDITION; IN SOME CASES CERTAIN MEASURES MAY HAVE TO BE INNOVATED. GENERALLY, THE VARIOUS SCHEMES DETAILED IN THE BOOKLET ENTITLED "TEMPORARY EROSION AND POLLUTION CONTROL MEASURES" PREPARED BY THE FEDERAL HIGHWAY ADMINISTRATION CAN BE APPLIED.



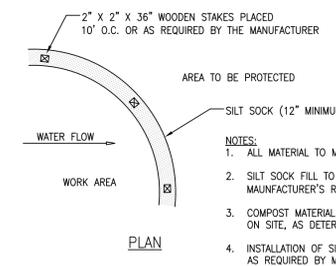
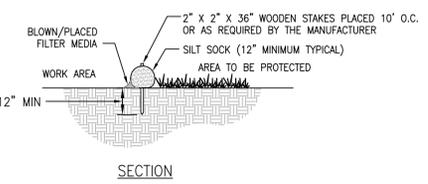
NOTES:

1. STOCKPILE AREA SHALL NOT EXCEED SPECIFIED DIMENSIONS WITHOUT APPROVAL FROM ENGINEER.
2. STOCKPILED ERODIBLE MATERIAL THAT WILL NOT BE USED FOR GREATER THAN 30 DAYS SHALL BE STABILIZED WITH TEMPORARY VEGETATION OR COVERED IMMEDIATELY FOLLOWING PLACEMENT.

ERODIBLE MATERIAL STOCKPILE
 NOT TO SCALE



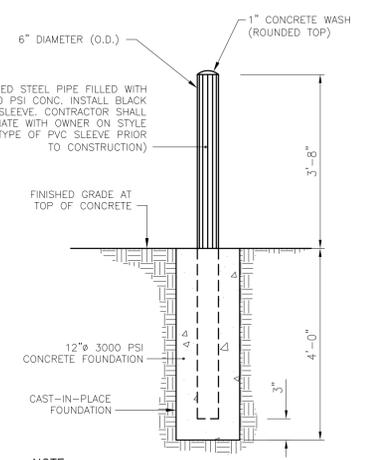
CONCRETE APRON DETAIL
 NOT TO SCALE



SILT SOCK EROSION CONTROL
 NOT TO SCALE

MANUFACTURERS CAN INCLUDE SILT SOCKS, CORR LOGS, STRAW WATTLES, OR APPROVED EQUIVALENT.

NOTE:
 ANY MANUFACTURER'S NAMES AND/OR MODEL NUMBERS IDENTIFIED HEREIN ARE INTENDED TO ASSIST IN ESTABLISHING A GENERAL LEVEL OF QUALITY, CONFIGURATION, FUNCTIONALITY, AND APPEARANCE REQUIRED. THIS IS NOT A PROPRIETARY SPECIFICATION AND IT SHOULD BE NOTED THAT "OR APPROVED EQUAL" APPLIES TO ALL PRODUCTS DENOTED HEREIN. IT IS UNDERSTOOD THAT ALL MANUFACTURERS WILL HAVE MINOR VARIATIONS IN CONFIGURATION, APPEARANCE, AND PRODUCT SPECIFICATION TO ENCOURAGE OPEN AND COMPETITIVE INVOLVEMENT FROM MULTIPLE MANUFACTURERS THAT ARE ABLE TO SUPPLY SIMILAR PRODUCTS.

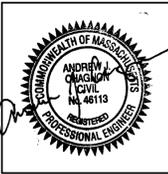


BOLLARD
 NOT TO SCALE

NOTE:

1. FOR USE AROUND MECHANICAL UNITS, BOLLARDS SHALL MEET UTILITY COMPANY STANDARDS.
2. SITE CONTRACTOR IS RESPONSIBLE FOR INSTALLING CONCRETE BOLLARDS AND STEEL PIPE. SHALL BE FURNISHED BY MISCELLANEOUS METALS.

**NOT FOR CONSTRUCTION
 ISSUED FOR PERMITTING**



Project No. 14119.04

WESTWOOD PUBLIC SAFETY
 300 Washington Street
 Westwood, MA 02090

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PERMITTING PLANS

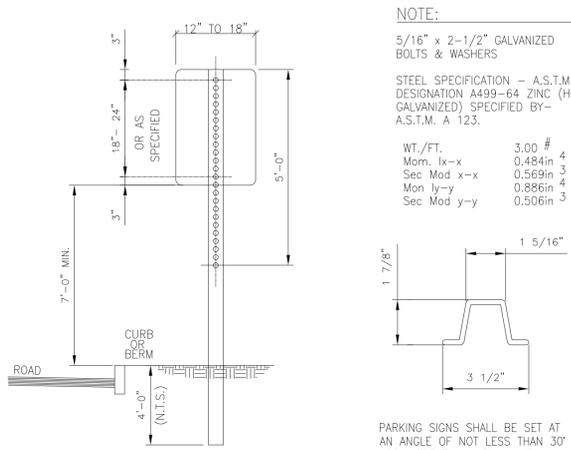
REVISION:	Date:
DATE:	SCALE:
01-27-2015	
DRAWN BY:	CHKD BY:
AWB	MJG

SHEET TITLE:

SITE DETAILS 1

SHEET #:

C6.1



NOTE:
 5/16" x 2-1/2" GALVANIZED BOLTS & WASHERS
 STEEL SPECIFICATION - A.S.T.M. DESIGNATION A499-64 ZINC (HOT GALVANIZED) SPECIFIED BY- A.S.T.M. 'A 123.
 WT./FT. 3.00 #
 Mom. Ix-x 0.484in⁴
 Sec Mod x-x 0.569in³
 Mom Iy-y 0.886in⁴
 Sec Mod y-y 0.506in³

PARKING SIGNS SHALL BE SET AT AN ANGLE OF NOT LESS THAN 30° NOR MORE THAN 45° A LINE PARALLEL TO THE FLOW OF TRAFFIC.

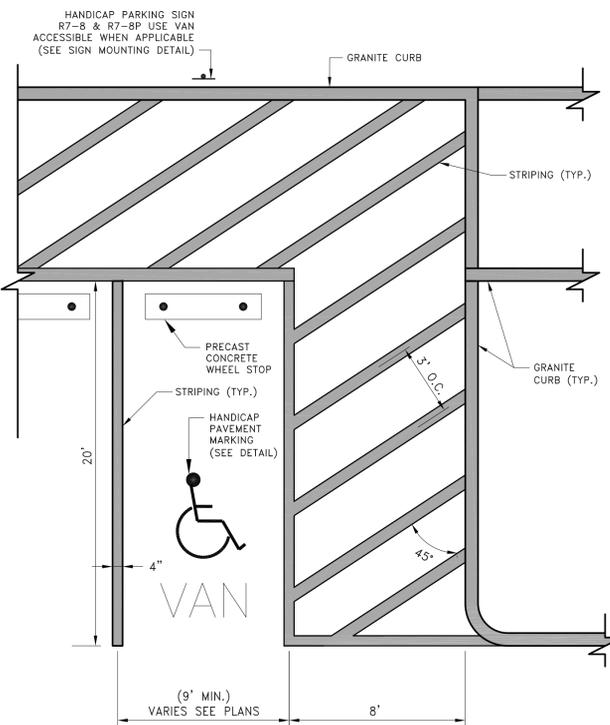
SIGN MOUNTING NOTES:

1. ALL LAG SCREWS, BOLTS AND WASHERS SHALL BE GALVANIZED 5/16"x2 1/2" LONG UNLESS OTHERWISE NOTED.
2. WASHERS SHALL BE 0.07" THICK. 3. ALL SIGN COLORS, RADII AND BORDERS AS SPECIFIED IN "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES."

HANDICAP SIGN NOTES:

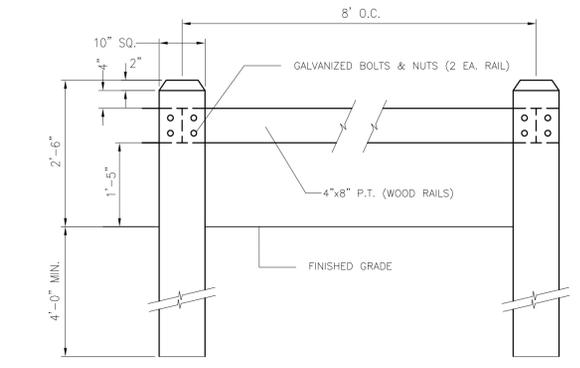
1. ALL HANDICAP PARKING AND SIGNAGE SHALL BE IN CONFORMANCE WITH THE RULES & REGULATIONS AS SPECIFIED BY THE AMERICAN DISABILITIES ACT (ADA)
2. SIGN(S) SHALL BE LOCATED SO THEY CANNOT BE OBSCURED BY A VEHICLE PARKED IN THE SPACE.
3. FOR HANDICAPPED VAN SPACE, USE SIGN AS DETAILED.
4. FOR HANDICAPPED SPACE FOR AUTOMOBILES, USE ONLY HANDICAPPED PARKING SIGN. (WITHOUT ADDITIONAL "VAN ACCESSIBLE" SIGN)

SIGN MOUNTING
NOT TO SCALE

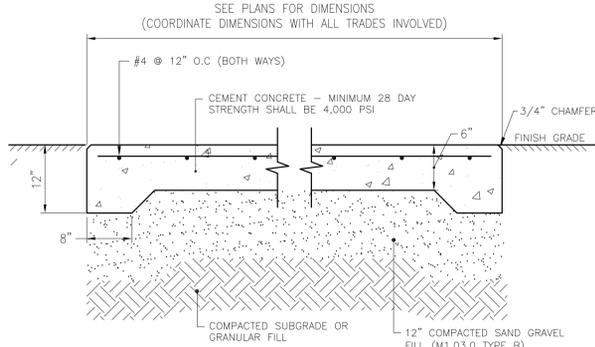


- NOTE:**
1. WHERE STALLS ABUT SIDEWALK, PARKING SIGNS SHOULD BE PLACED AT BACK EDGE OF SIDEWALK.
 2. STRIPING SHOULD BE WHITE IN COLOR.
 3. GENERAL CONDITIONS SHOWN HERE. SEE SITE PLANS FOR LOCATIONS AND CONFIGURATION OF ACCESSIBLE PARKING STALLS.

SHP ACCESSIBLE PARKING STALLS @ 90°
NOT TO SCALE

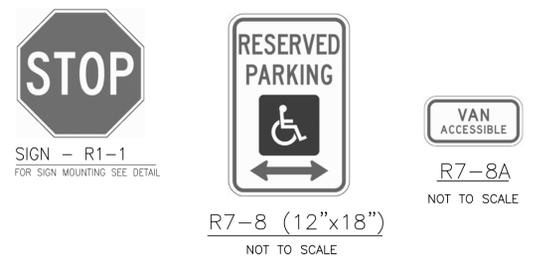


WOOD GUARD RAIL DETAIL
NOT TO SCALE



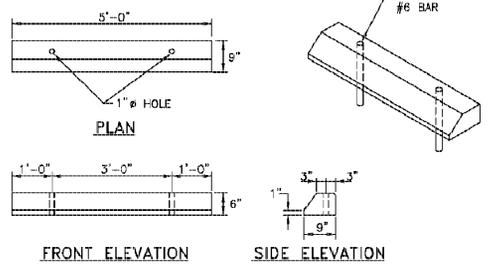
- NOTES:**
1. FOR DUMPSTER PAD. REFER TO STRUCTURAL PLANS FOR PAD DESIGN.
 2. REINFORCING TO BE #4 GRADE 60 BARS AND SHALL CONFORM TO ASTM STANDARD A-615 OF THE LATEST DATE. REINFORCING RODS TO BE LOCATED IN THE CENTER OF THE SLAB, WITH A MINIMUM OF 2" CLEARANCE FROM FACE OF CONCRETE.
 3. ALL UTILITY PADS INSTALLED BY THE GENERAL CONTRACTOR SHALL BE COORDINATED WITH EACH PERSPECTIVE TRADE PRIOR TO CONSTRUCTION.

CEMENT CONCRETE PAD
NOT TO SCALE



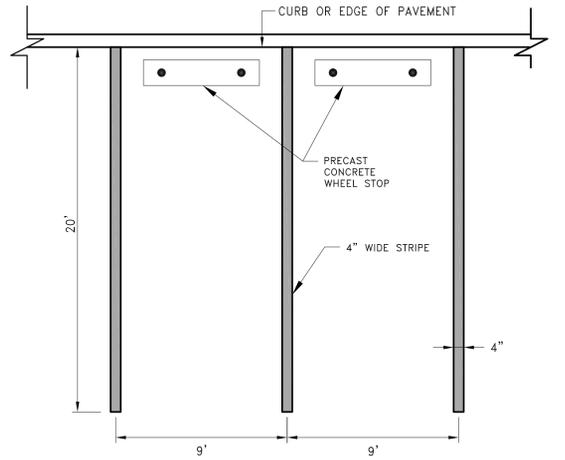
- NOTE:**
1. ALL ACCESSIBLE PARKING AND SIGNAGE SHALL BE IN CONFORMANCE WITH THE RULES & REGULATIONS OF MAAB (521 CMR).
 2. REFER TO SIGN MOUNTING DETAIL FOR ADDITIONAL COMMENTS.

SHP ACCESSIBLE PAVEMENT MARKING DETAIL
NOT TO SCALE



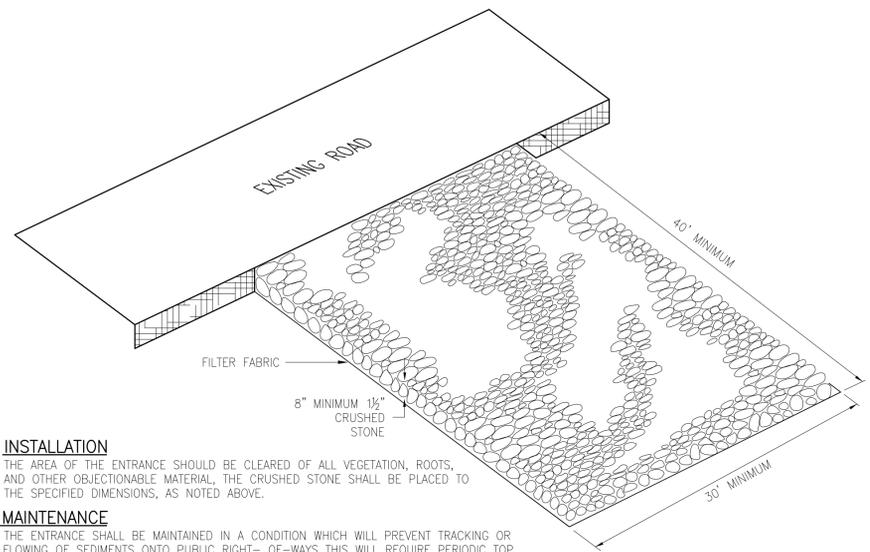
PRECAST CONCRETE WHEEL-STOPS DETAIL
NOT TO SCALE

- NOTES:**
1. ALL EXPOSED EDGES TO HAVE A 3/4" CHAMFER.
 2. ALL SURFACES TO HAVE A SPONGE FLOAT FINISH.



- NOTE:**
1. STRIPING SHOULD BE WHITE IN COLOR.

TYPICAL PARKING STALL DETAIL
NOT TO SCALE



INSTALLATION

THE AREA OF THE ENTRANCE SHOULD BE CLEARED OF ALL VEGETATION, ROOTS, AND OTHER OBJECTIONABLE MATERIAL. THE CRUSHED STONE SHALL BE PLACED TO THE SPECIFIED DIMENSIONS, AS NOTED ABOVE.

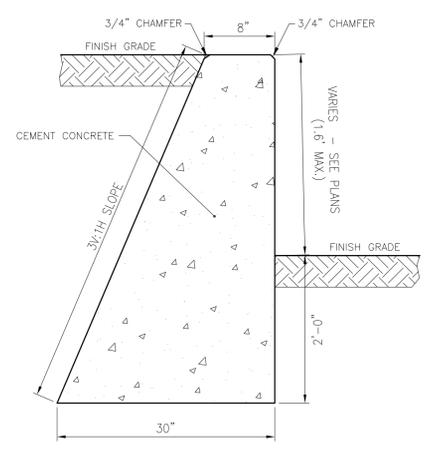
MAINTENANCE

THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENTS ONTO PUBLIC RIGHT-OF-WAYS THIS WILL REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE, OR ADDITIONAL LENGTH, AS CONDITIONS DEMAND, AND REPAIR, AND / OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHT-OF-WAYS MUST BE REMOVED IMMEDIATELY.

LOCATION

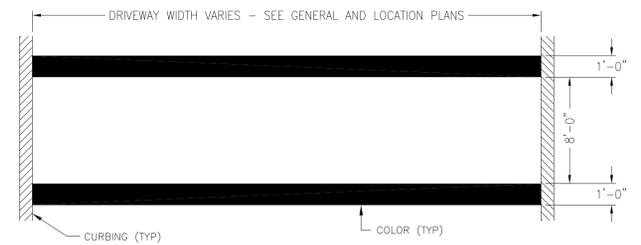
SEE PROJECT PLANS FOR LOCATION OF CONSTRUCTION ENTRANCE.

CONSTRUCTION ENTRANCE PROTECTION STONE STABILIZATION PAD
NOT TO SCALE



- NOTES:**
1. THE DETAIL PROVIDED IS FOR GENERAL REFERENCE AND COORDINATION PURPOSES ONLY. THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER STRUCTURAL SHOP DRAWINGS AND DETAILS TO BE USED FOR CONSTRUCTION. THE SHOP DRAWINGS SHALL BE STAMPED BY A MASSACHUSETTS LICENSED PROFESSIONAL ENGINEER.

CONCRETE CURB WALL
NOT TO SCALE



- NOTES:**
1. STRIPING SHALL BE EPOXY RESIN.
 2. SEE SPECIFICATIONS FOR PRODUCT DATA, CONDITIONS, AND EXECUTION.
 3. COLORS TO BE APPROVED BY OWNER.

SCW CROSSWALK
NOT TO SCALE

NOT FOR CONSTRUCTION
ISSUED FOR PERMITTING



Project No. 14119.04

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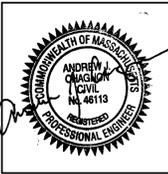
PERMITTING PLANS

REVISION:	Date:
DATE: 01-27-2015	SCALE:
DRAWN BY: AWB	CHKD BY: MJG

SHEET TITLE:
SITE DETAILS 2

SHEET #:
C6.2

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Project No.
14119.04

WESTWOOD PUBLIC SAFETY
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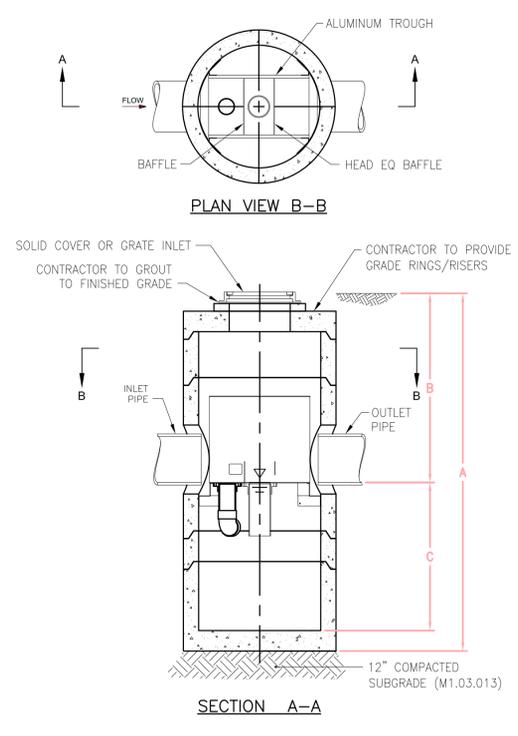
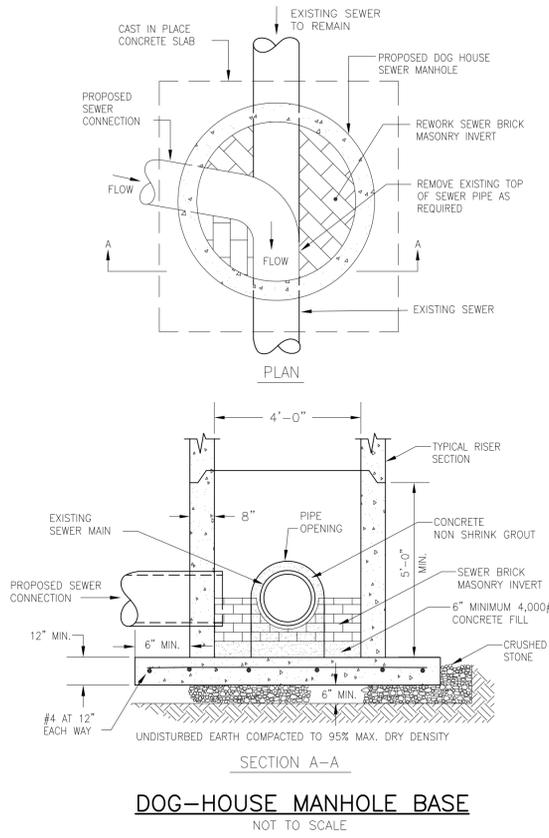
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PERMITTING PLANS

REVISION:	Date:
DATE:	SCALE:
01-27-2015	
DRAWN BY:	CHKD BY:
AWB	MJG

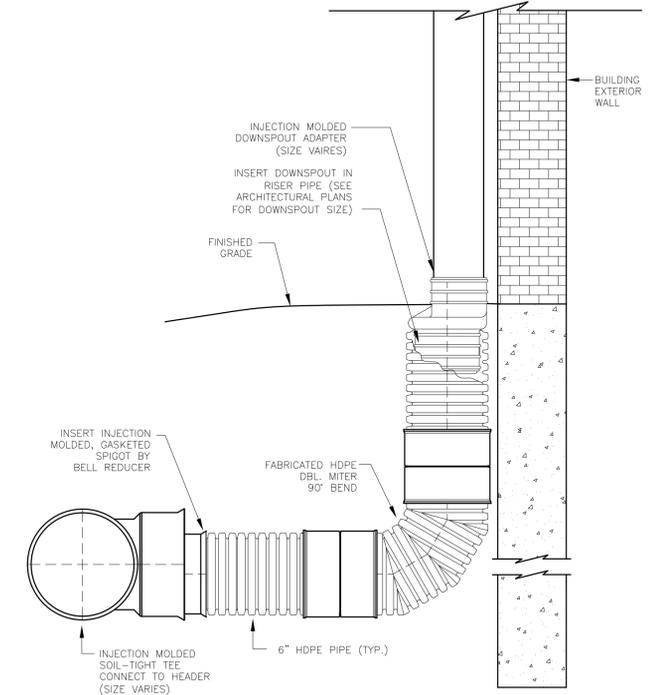
SHEET TITLE:
SITE DETAILS 3

SHEET #:
C6.3

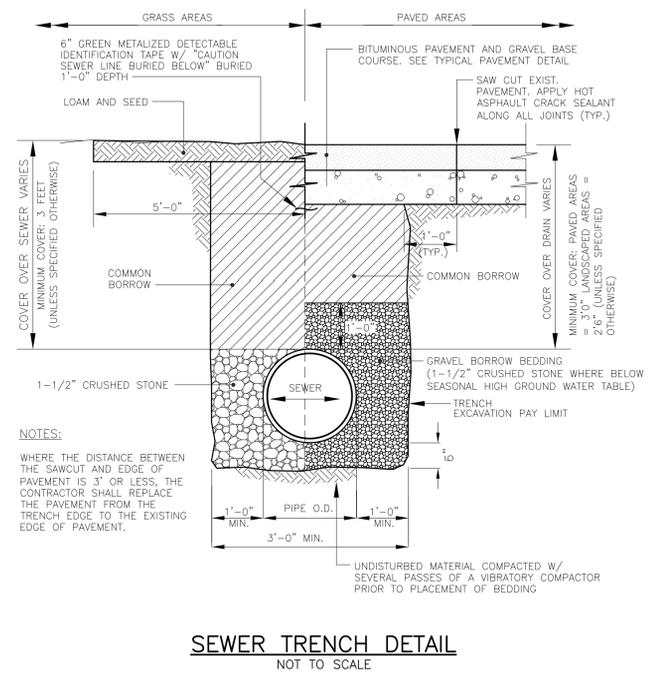
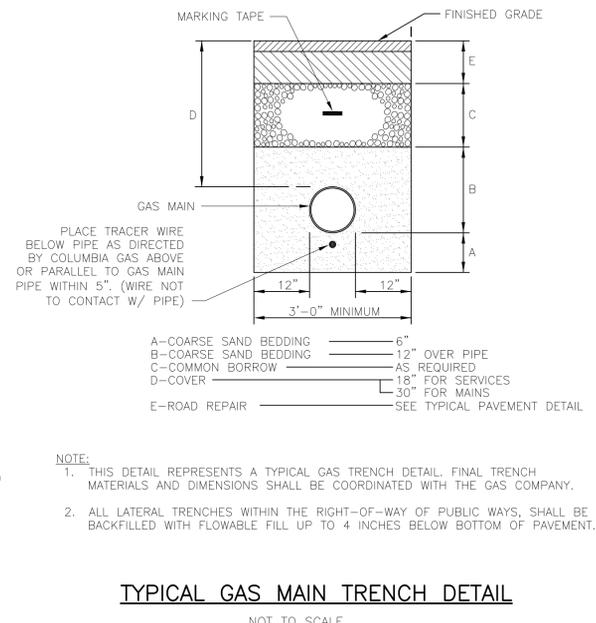
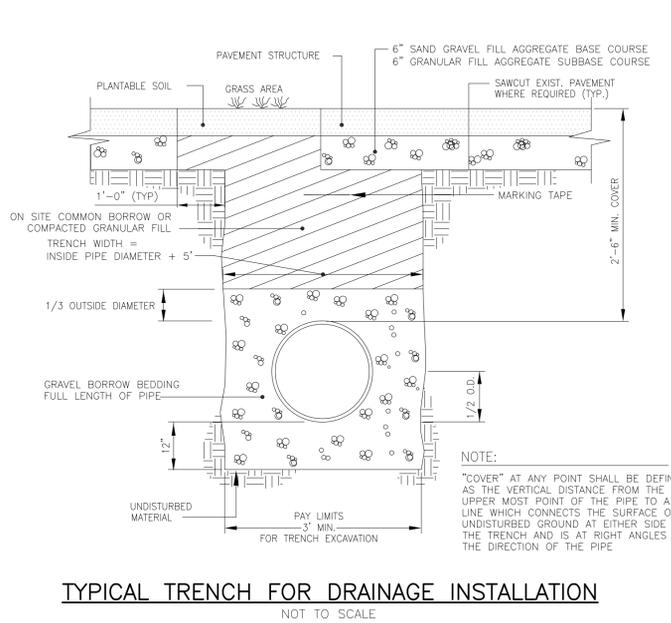


Structure	Rim	Inv. Out	Pipe	25-yr flow	WQQ(cfs)	WQV (cf)
WQS-1	105.25	102.25	12" HDPE	0.21	0.023	69
WQS-2	104.30	99.96	12" HDPE	0.37	0.041	123
WQS-3	102.90	99.86	12" HDPE	0.42	0.047	142
WQS-4	104.00	101.00	12" HDPE	0.25	0.056	168

- GENERAL NOTES**
1. MANUFACTURER TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
 2. DIMENSIONS ARE SCHEMATIC DIMENSIONS. ACTUAL DIMENSIONS MAY VARY DEPENDING ON MANUFACTURER, DESIGN, AND STRUCTURE.
 3. CONTRACTOR TO PROVIDE SHOP DRAWING AND CALCULATIONS FROM MANUFACTURER OF EACH HS
 4. WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL CODES, LAWS, AND REGULATIONS OF MASSDEP, TOWN OF WESTWOOD, AND ALL OTHER GOVERNING AGENCIES.
 5. STRUCTURE AND CASTINGS SHALL MEET AASHTO HS20 LOAD RATING.
 6. SEE TABLE FOR SIZING AND BASIS OF DESIGN DATA.

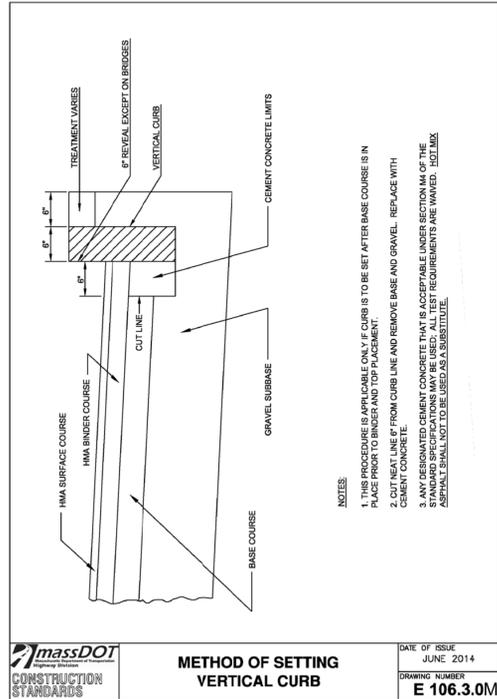


- NOTE:**
1. COORDINATE WITH OWNER AND ARCHITECT ON STYLE AND TYPE OF CAST IRON BOOT. CAST IRON BOOT SHOWN HERE FOR GENERAL COORDINATION PURPOSES ONLY.
 2. CONTRACTOR SHALL INSTALL CAST IRON BOOT IN ACCORDANCE WITH THE MANUFACTURER'S REQUIREMENTS.



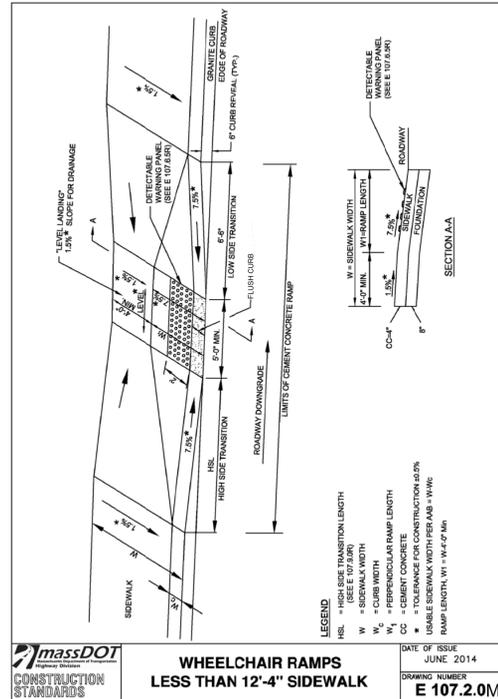
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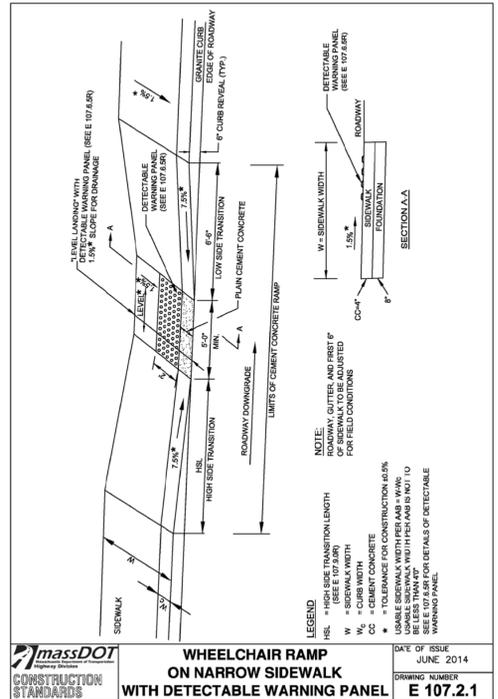
METHOD OF SETTING VERTICAL CURB

DATE OF ISSUE: JUNE 2014
DRAWING NUMBER: **E 106.3.0M**



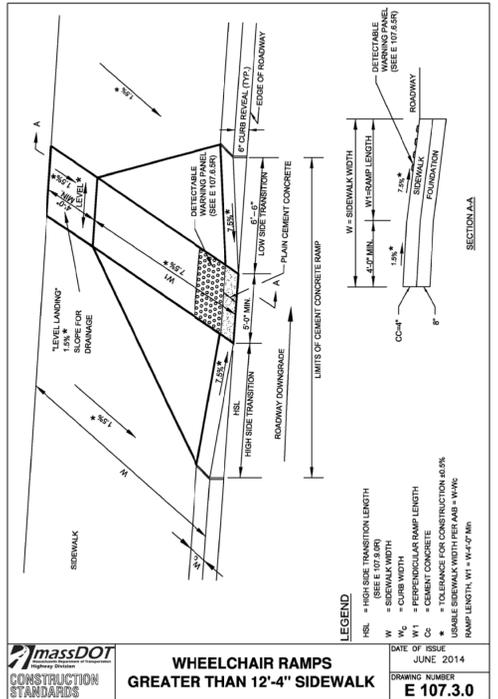
WHEELCHAIR RAMPS LESS THAN 12'-4" SIDEWALK WITH DETECTABLE WARNING PANEL

DATE OF ISSUE: JUNE 2014
DRAWING NUMBER: **E 107.2.0M**



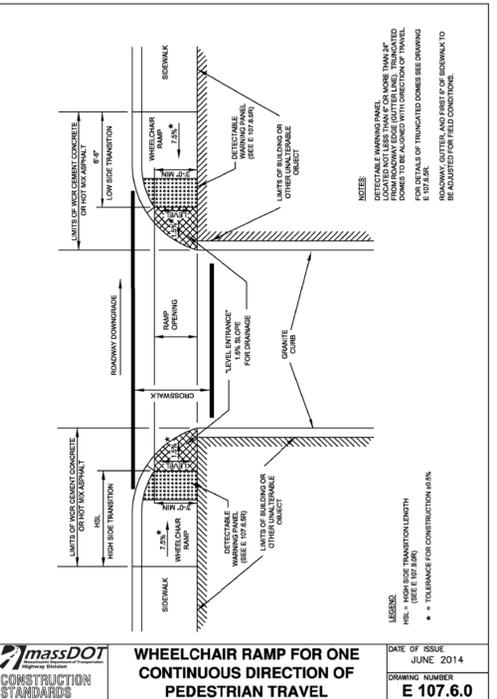
WHEELCHAIR RAMP ON NARROW SIDEWALK WITH DETECTABLE WARNING PANEL

DATE OF ISSUE: JUNE 2014
DRAWING NUMBER: **E 107.2.1**



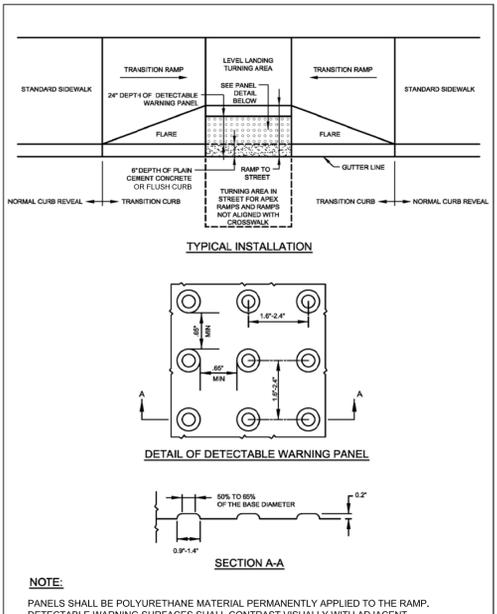
WHEELCHAIR RAMPS GREATER THAN 12'-4" SIDEWALK

DATE OF ISSUE: JUNE 2014
DRAWING NUMBER: **E 107.3.0**



WHEELCHAIR RAMP FOR ONE CONTINUOUS DIRECTION OF PEDESTRIAN TRAVEL

DATE OF ISSUE: JUNE 2014
DRAWING NUMBER: **E 107.6.0**



DETECTABLE WARNING PANEL FOR WHEELCHAIR RAMPS AND STANDARD RAMP TERMINOLOGY

DATE OF ISSUE: JUNE 2014
DRAWING NUMBER: **E 107.6.5M**

- WHEELCHAIR RAMP NOTES**
- ROADWAY SIDEWALK CROSS SLOPES, FOR BRICK, CEMENT CONCRETE, AND BITUMINOUS CONCRETE, AS INDICATED IN THE STANDARD SPECIFICATIONS, WILL BE 1.5%. A CONSTRUCTION TOLERANCE OF ±0.5% IS ACCEPTABLE ON ROADWAY SIDEWALKS. SIDEWALKS ON BRIDGES WILL BE CONSTRUCTED TO A CROSS SLOPE OF 1.0% IN ACCORD WITH BRIDGE POLICY. (REFER TO STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES SECTION 700.) IN ACCORDANCE WITH 501 CMR THE RULES AND REGULATIONS OF THE ARCHITECTURAL ACCESS BOARD (AAB), THE SIDEWALK CROSS SLOPE CANNOT EXCEED 2.0%.
 - AN UNOBSTRUCTED PATH OF TRAVEL WITH A MINIMUM WIDTH OF 1.0m (3'-3") SHALL BE MAINTAINED PAST ALL OBSTRUCTIONS (UTILITY POLES, SIGNS, SIGNAL FOUNDATIONS AND MASTS, MAILBOXES, ALONG DRIVE OPENINGS, ETC.).
 - THE WHEELCHAIR RAMP SLOPES AND SIDE SLOPES (TRANSITIONS) WILL BE 7.5% WITH A CONSTRUCTION TOLERANCE OF ±0.5%. HOWEVER, THESE SLOPES MAY BE FLATTER WHEN WARRANTED BY SURROUNDING CONDITIONS.
 - WHERE THE ROAD PROFILE EXCEEDS 4%, THE HIGH SIDE TRANSITION LENGTH UNDER ANY CONDITIONS NEED NOT EXCEED 4.57 m (15 FEET).
 - IN NO CASE WHERE A STOP LINE IS WARRANTED, SHALL A RAMP BE PLACED ON THE TRAFFIC APPROACH SIDE OF THAT STOP LINE.
 - FIXED OBJECTS (I.E. UTILITY POLES, HYDRANTS, SIGNS, SIGNAL FOUNDATIONS, ETC.) MUST NOT ENCRUCH ON ANY PART OF THE WHEELCHAIR RAMP INCLUDING TRANSITION SLOPES.
 - AT NO TIME IS ANY PART OF THE WHEELCHAIR RAMP, EXCLUDING CURB TRANSITIONS, TO BE LOCATED OUTSIDE THE CROSSWALK. THE WHEELCHAIR RAMP ENTRANCE IS TO BE CENTERED IN THE CROSSWALK WHENEVER POSSIBLE.
 - CATCH BASINS WHICH ARE TO BE LOCATED IN THE VICINITY OF A WHEELCHAIR RAMP SHALL BE LOCATED UPGRAD OF THE RAMP ENTRANCE.
 - THE ENTRANCE OF A WHEELCHAIR RAMP SHALL BE FLUSH WITH THE ROADWAY.
 - TESTING SURFACE: WHEN TESTING WITH A STRAIGHTEDGE PLACED PARALLEL TO THE LINE OF THE SLOPE THERE SHALL BE NO DEVIATION FROM A TRUE SURFACE IN EXCESS OF 6mm (1/4"). TESTING SHALL BE IN ACCORDANCE WITH ADA AND MAAB GUIDELINES.
 - ALL ADA RAMPS SHALL HAVE DETECTABLE WARNING MATS IN ACCORDANCE WITH ADA GUIDELINES.

WHEELCHAIR RAMP NOTES

DATE OF ISSUE: December 2001
DRAWING NUMBER: **107.1.0 M**

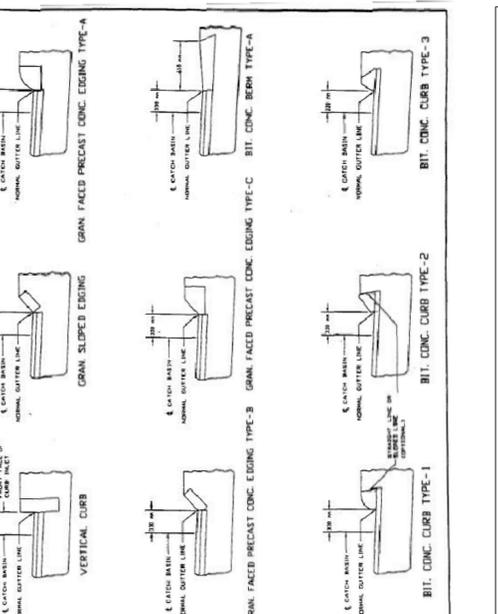
CURB TRANSITION LENGTH FOR WHEELCHAIR RAMPS

ROADWAY PROFILE GRADE	* HIGH SIDE TRANSITION LENGTH	ENGLISH UNITS
=0%	6'-6"	
>0% TO 1%	7'-8"	
>1% TO 2%	9'-0"	
>2% TO 3%	11'-0"	
>3% TO 4%	14'-0"	
>4% TO 5%	15'-0" Max	

NOTE:
* BASED ON A DESIGN SLOPE OF 7.5% AND A REVEAL OF 6".

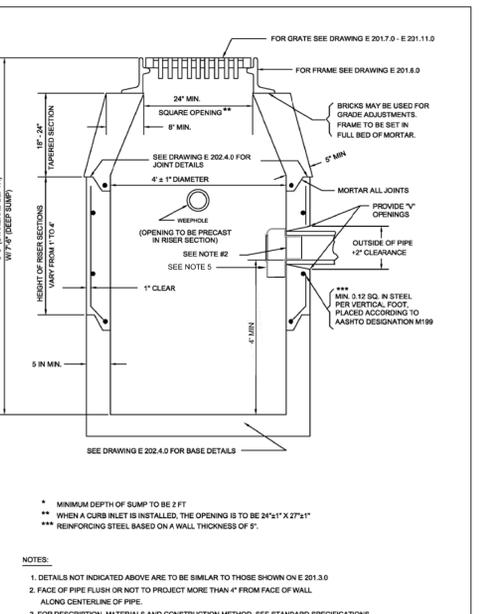
CURB TRANSITION LENGTH FOR WHEELCHAIR RAMPS

DATE OF ISSUE: JUNE 2014
DRAWING NUMBER: **E 107.9.0**



LOCATION OF CATCH BASINS

DATE OF ISSUE: 9/22/95
DRAWING NUMBER: **201.1.0**



PRECAST CONCRETE CATCH BASIN

DATE OF ISSUE: JUNE 2014
DRAWING NUMBER: **E 201.4.0M**



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PERMITTING PLANS

REVISION:	Date:
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AWB	MJG

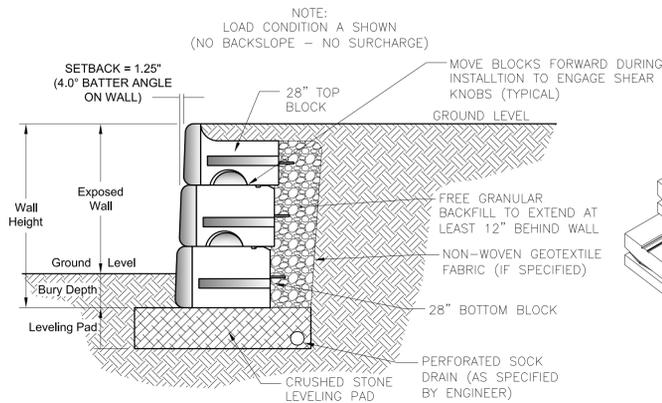
SHEET TITLE: **SITE DETAILS 4**

SHEET #:

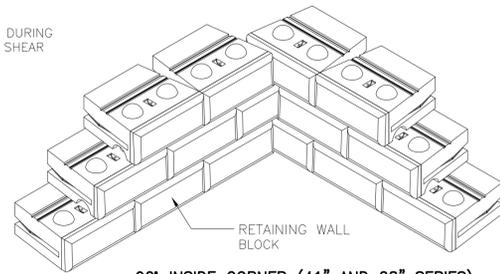
C6.4

NOTE:
"ANY MANUFACTURER'S NAMES AND/OR MODEL NUMBERS IDENTIFIED HEREIN ARE INTENDED TO ASSIST IN ESTABLISHING A GENERAL LEVEL OF QUALITY, CONFIGURATION, FUNCTIONALITY, AND APPEARANCE REQUIRED. THIS IS NOT A PROPRIETARY SPECIFICATION AND IT SHOULD BE NOTED THAT "OR APPROVED EQUAL" APPLIES TO ALL PRODUCTS DENOTED HEREIN. IT IS UNDERSTOOD THAT ALL MANUFACTURERS WILL HAVE MINOR VARIATIONS IN CONFIGURATION, APPEARANCE, AND PRODUCT SPECIFICATION TO ENCOURAGE OPEN AND COMPETITIVE INVOLVEMENT FROM MULTIPLE MANUFACTURERS THAT ARE ABLE TO SUPPLY SIMILAR PRODUCTS."

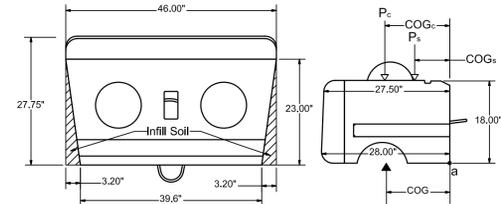
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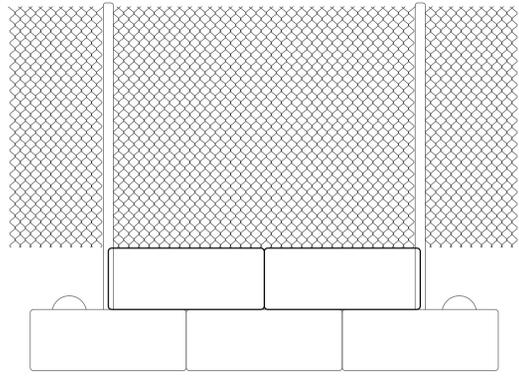
TYPICAL SECTION-REINFORCED RETAINING WALL
MODULAR CONCRETE UNIT
NOT TO SCALE



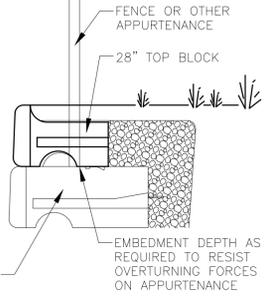
90° INSIDE CORNER (41" AND 28" SERIES)
NOT TO SCALE



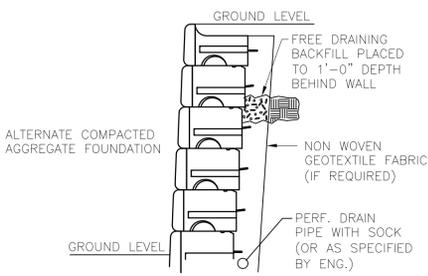
28" MIDDLE BLOCK FOR SRWALL
NOT TO SCALE



FRONT VIEW
NOT TO SCALE

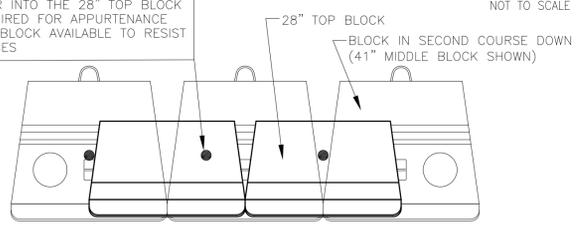


SIDE VIEW
NOT TO SCALE



ALTERNATE COMPACTED AGGREGATE FOUNDATION

CONNECTION OPTION #1
EXPANSION ANCHOR INTO THE 28" TOP BLOCK
• SPACING AS REQUIRED FOR APPURTENANCE
• MASS OF SINGLE BLOCK AVAILABLE TO RESIST OVERTURNING FORCES

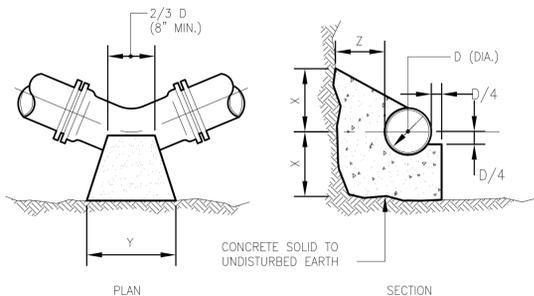


TOP VIEW
NOT TO SCALE

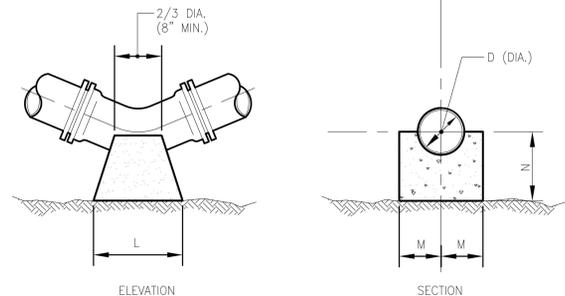
RETAINING WALLS SHALL BE REDI-ROCK, OR STRONG STONE, RE-CON RETAINING WALL SYSTEMS, INC., SERIES 50, NORTH SHORE GRANITE TEXTURE OR EQUIVALENT SEE SPECIFICATIONS FOR WALL DESIGN REQUIREMENTS.

SEGMENTAL RETAINING WALL DETAILS
NOT TO SCALE

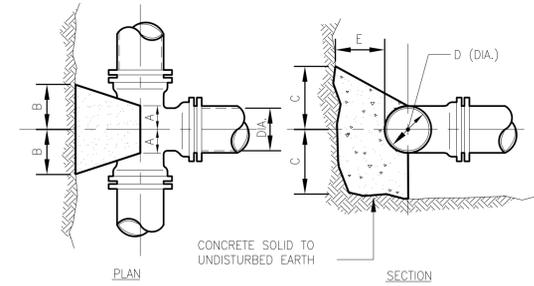
- NOTES:**
1. THE DETAIL PROVIDED IS FOR GENERAL REFERENCE AND COORDINATION PURPOSES ONLY. THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER STRUCTURAL SHOP DRAWINGS AND DETAILS PRIOR TO CONSTRUCTION TO BE USED. THE SHOP DRAWINGS SHALL BE STAMPED BY A MASSACHUSETTS LICENSED PROFESSIONAL STRUCTURAL ENGINEER.
 2. CONTRACTOR SHALL COORDINATE THE DESIGN AND GEOTECHNICAL REPORT WITH THE STRUCTURAL DESIGN ENGINEER.



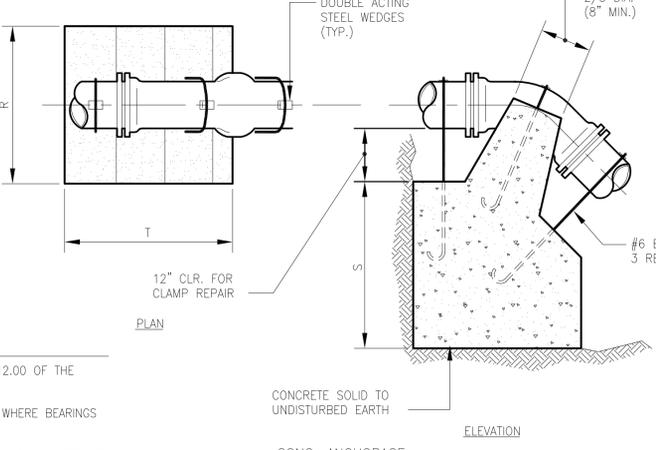
HORIZONTAL BENDS



VERTICAL BENDS



TEES



CONC. ANCHORAGE

- NOTES:**
1. ALL CONCRETE SHALL BE CL. B (AE) CONCRETE AND COMPLY WITH SECTION M4.12.00 OF THE STANDARD SPECIFICATIONS.
 2. CONCRETE THRUST BLOCKS SHALL BEAR AGAINST UNDISTURBED EARTH. IN AREAS WHERE BEARINGS SOILS HAVE BEEN DISTURBED, RESTRAINED JOINTS SHALL BE USED.
 3. ALL FORCE MAIN BENDS, TEES, MAIN TAPS, AND END CAPS SHALL REQUIRE A CONCRETE THRUST BLOCK.

TEES		PIPE SIZE-D (DIA.)				
		6"	8"	12"	16"	20"
1/8	X	1'-0"	1'-0"	1'-0"	1'-3"	1'-6"
	Y	1'-0"	1'-6"	2'-0"	2'-6"	3'-0"
	Z	8"	10"	1'-2"	1'-4"	1'-6"
	E	8"	10"	1'-2"	1'-6"	1'-10"

HORIZONTAL BENDS		PIPE SIZE-D (DIA.)				
BEND		6"	8"	12"	16"	20"
1/8	X	1'-0"	1'-0"	1'-0"	1'-3"	1'-6"
	Y	1'-0"	1'-6"	2'-0"	2'-6"	3'-0"
	Z	8"	10"	1'-2"	1'-4"	1'-6"
	E	8"	10"	1'-2"	1'-6"	1'-10"

VERTICAL BENDS		PIPE SIZE-D (DIA.)				
BEND		6"	8"	12"	16"	20"
1/8	L	1'-3"	1'-8"	2'-6"	3'-6"	4'-8"
	M	7"	8"	11"	1'-4"	1'-6"
	N	7"	8"	11"	1'-4"	1'-6"
	T	9"	1'-0"	1'-9"	2'-6"	3'-0"

ANCHORAGES		PIPE SIZE-D (DIA.)				
BEND		6"	8"	12"	16"	20"
1/8	R	2'-6"	3'-0"	4'-6"	5'-4"	6'-0"
	S	2'-6"	2'-9"	3'-6"	2'-6"	5'-6"
	T	3'-0"	4'-0"	4'-9"	7'-0"	9'-6"
	R	2'-0"	2'-8"	4'-0"	4'-6"	5'-0"

CONCRETE THRUST BLOCKS FOR WATER
NOT TO SCALE



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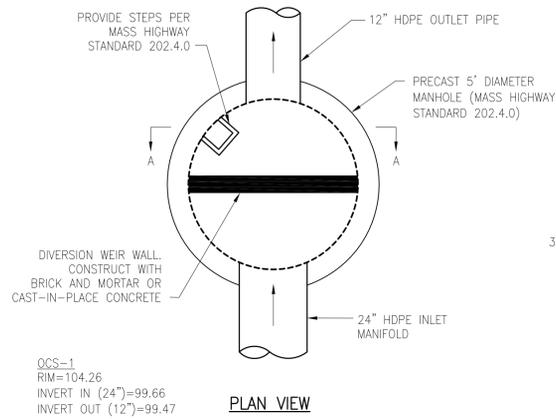
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01-27-2015	
DRAWN BY:	CHK'D BY:
AWB	MJG

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SITE DETAILS 5

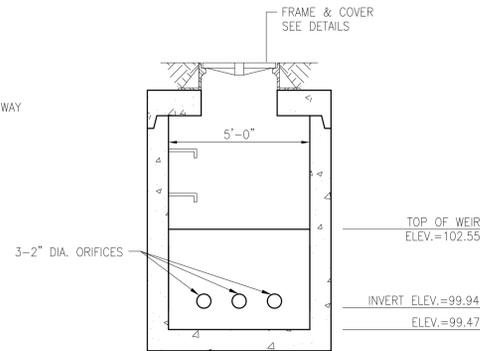
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C6.5

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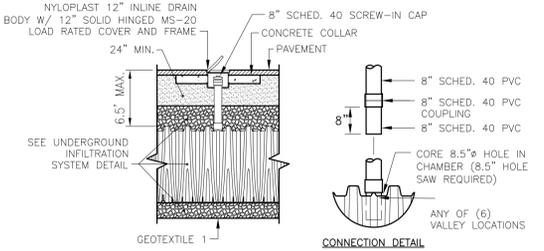


OCS-1
RIM=104.26
INVERT IN (24")=99.66
INVERT OUT (12")=99.47

PLAN VIEW



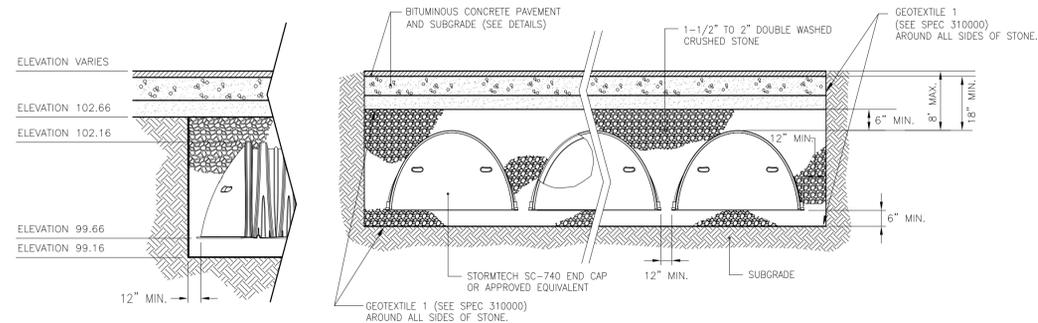
SECTION A-A DIVERSION WEIR WALL ELEVATION



- NOTES:
1. ALL PVC FITTINGS ARE TO BE SOLVENT CEMENTED.
 2. SEE MANUFACTURER'S RECOMMENDATIONS FOR FURTHER DETAIL.
 3. SHALL BE DESIGNED TO WITHSTAND HS-20 LOAD RATING.

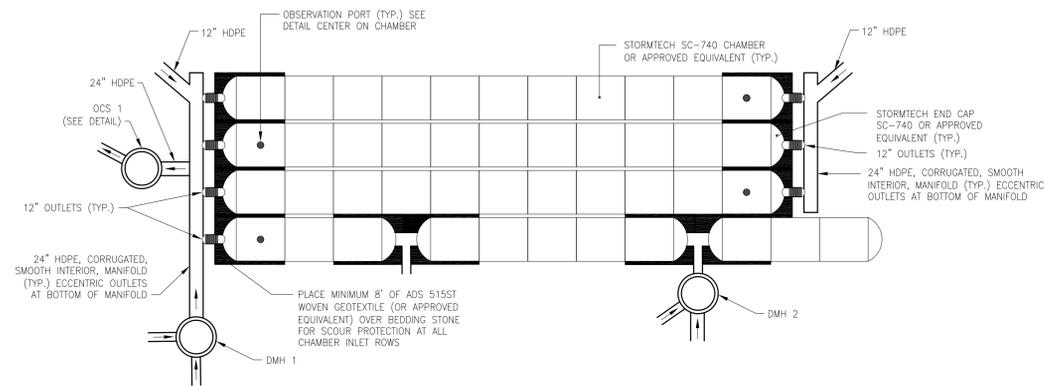
UNDERGROUND INFILTRATION SYSTEM
INSPECTION PORT DETAIL
NOT TO SCALE

OCS-1 OUTLET CONTROL STRUCTURE
NOT TO SCALE



- NOTES:
1. THE DETAIL PROVIDED IS FOR GENERAL REFERENCE PURPOSES ONLY. THE CONTRACTOR SHALL COORDINATE WITH THE MANUFACTURER ON THE DESIGN AND SHOP DRAWINGS TO BE SUBMITTED TO THE ENGINEER FOR REVIEW PRIOR TO CONSTRUCTION.
 2. THE SYSTEM SHALL BE REQUIRED TO WITHSTAND HS-20 LOAD RATING.

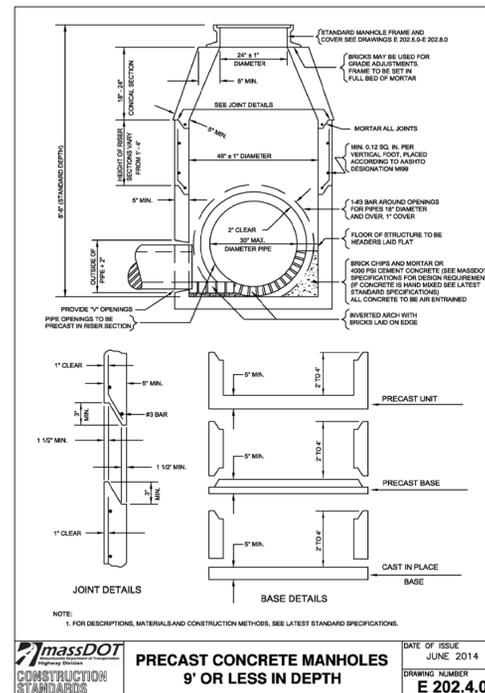
INFILTRATION SYSTEM TYPICAL CROSS SECTIONS
NOT TO SCALE



SC-740 OR EQUIVALENT
4 ROWS; 11 CHAMBERS PER ROW (44 CHAMBERS TOTAL) 22'x81'
BOTTOM OF STONE ELEV. = 99.16'
BOTTOM OF CHAMBER ELEV. = 99.16'
STONE STORAGE VOLUME = 1674.3 cf (40% VOIDS)
CHAMBER STORAGE VOLUME = 2032.7 cf
TOTAL SYSTEM STORAGE (INCLUDING PERIMETER STONE) = 0.085 ACRE-FT

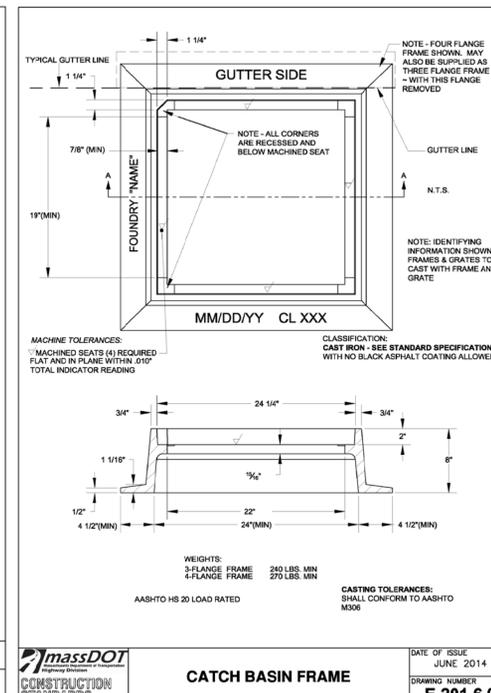
- NOTES:
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 2. THE SYSTEM SHALL BE REQUIRED TO WITHSTAND HS-20 LOAD RATING.

UNDERGROUND INFILTRATION SYSTEM
NOT TO SCALE

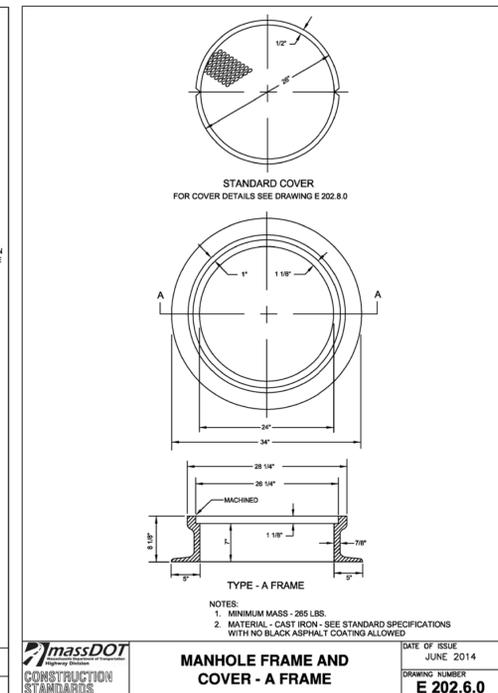


PRECAST CONCRETE MANHOLES
9' OR LESS IN DEPTH
DATE OF ISSUE: JUNE 2014
DRAWING NUMBER: E 202.4.0

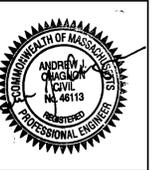
MANHOLE DIAMETER	WALL THICKNESS	BASE THICKNESS
4'-0"	5"	6"
5'-0"	6"	7"
6'-0"	7"	8"



CATCH BASIN FRAME
DATE OF ISSUE: JUNE 2014
DRAWING NUMBER: E 201.6.0



MANHOLE FRAME AND COVER - A FRAME
DATE OF ISSUE: JUNE 2014
DRAWING NUMBER: E 202.6.0



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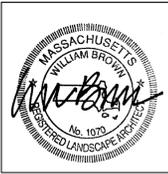
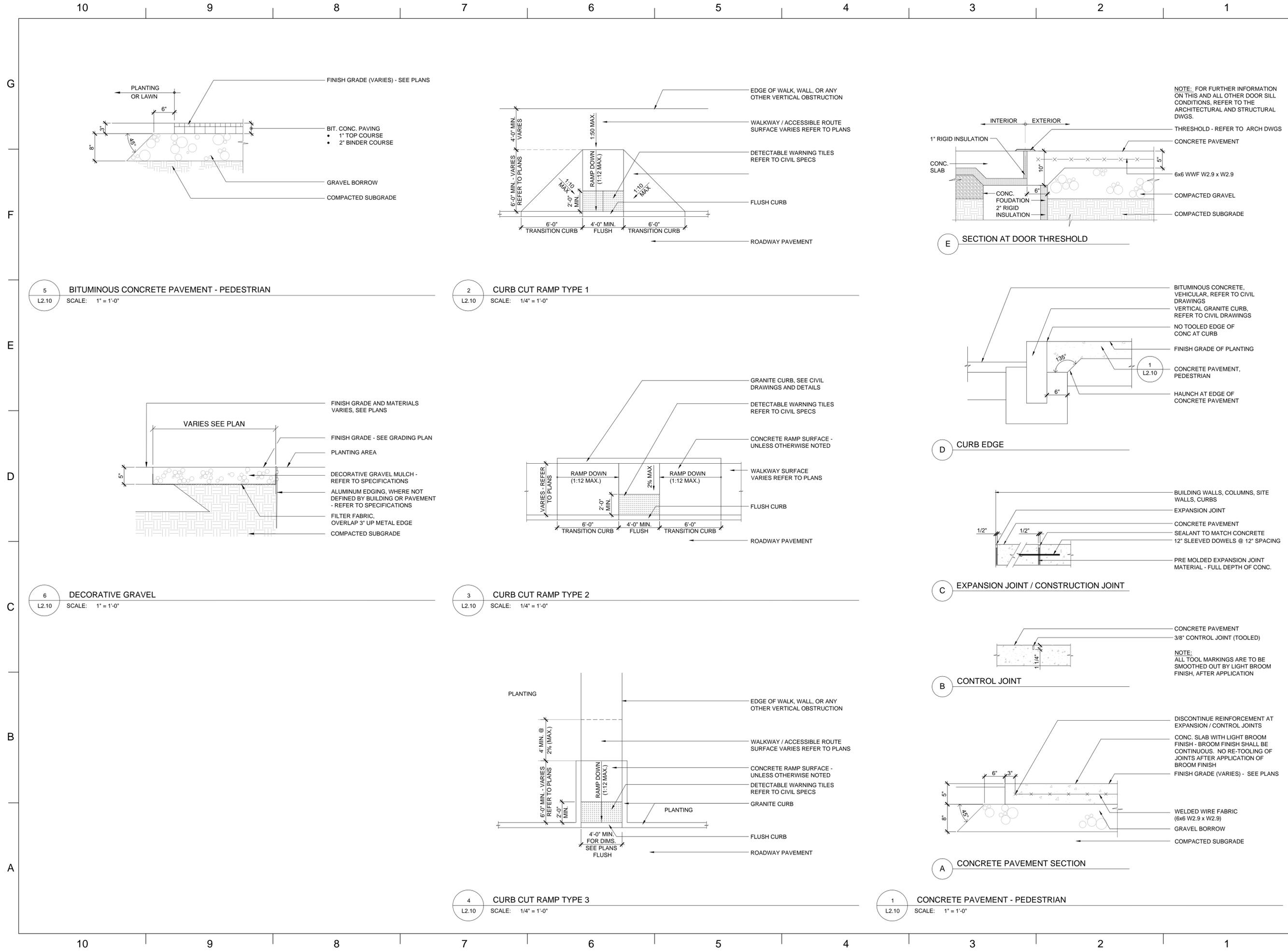
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SITE DETAILS 6

SHEET #:
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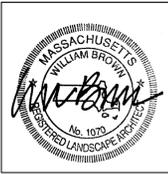
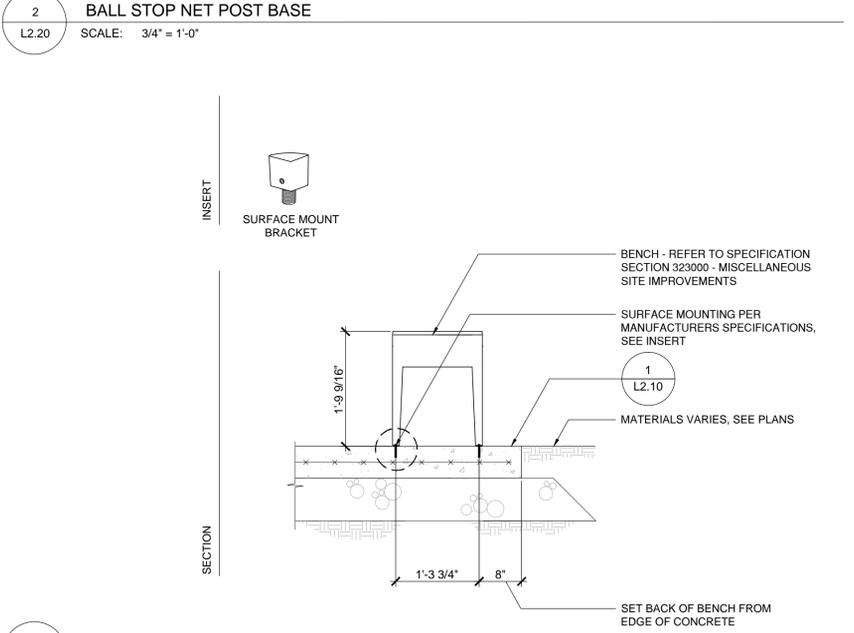
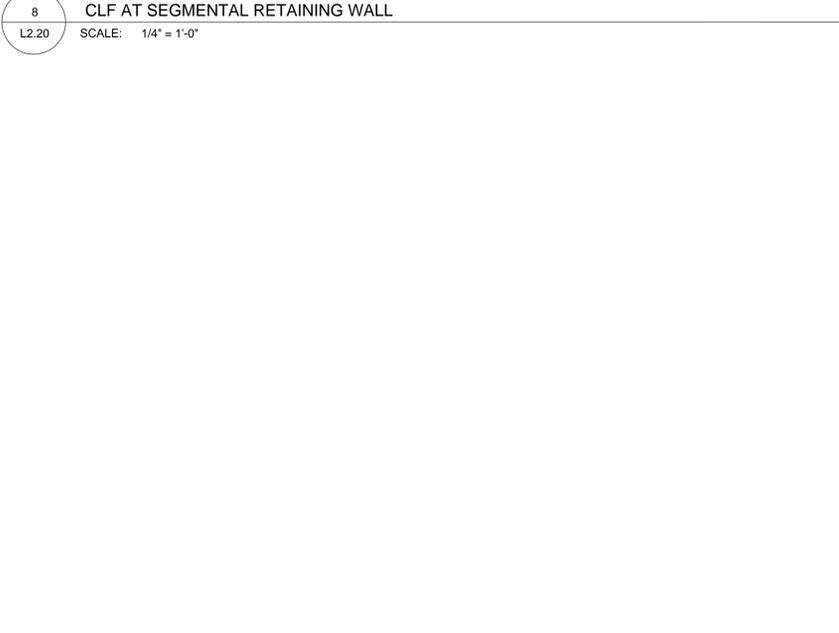
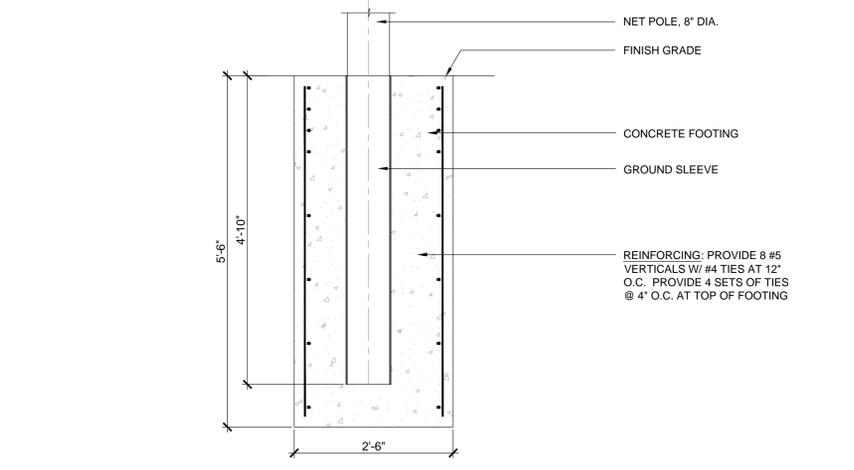
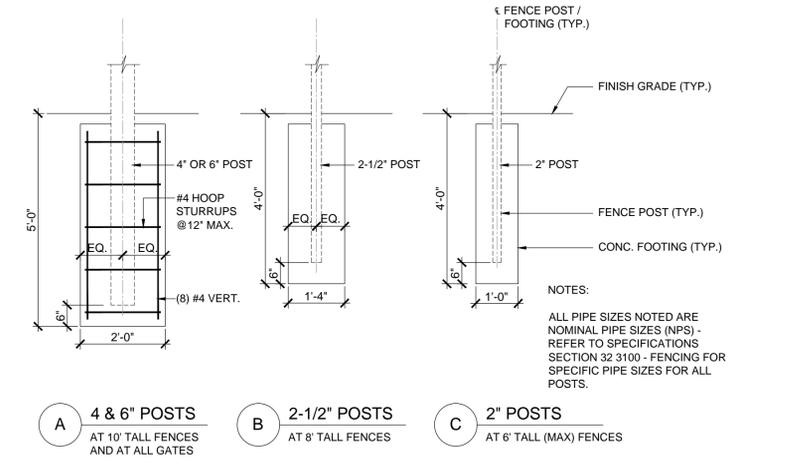
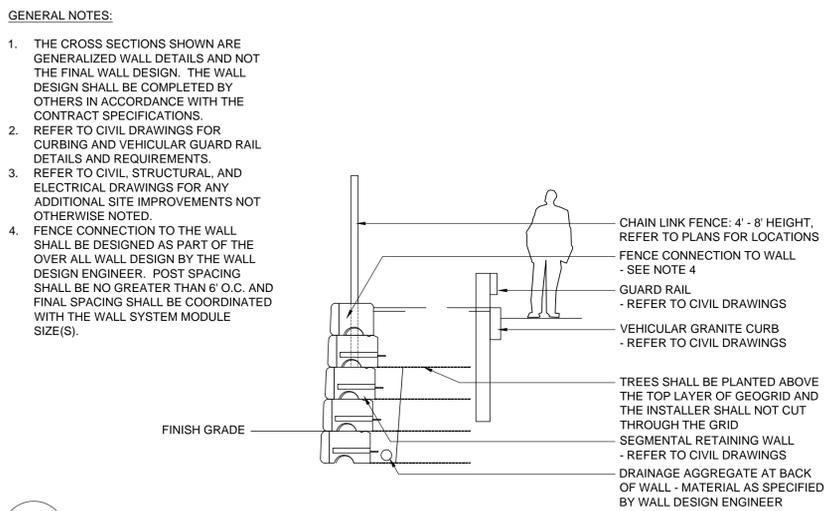
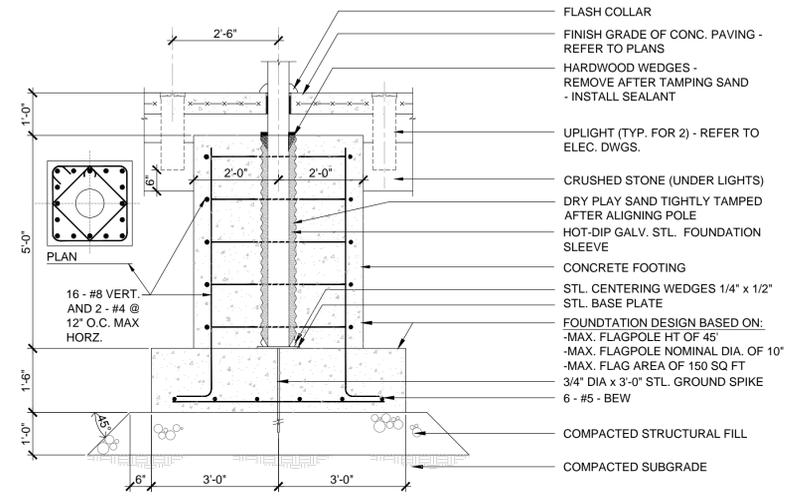
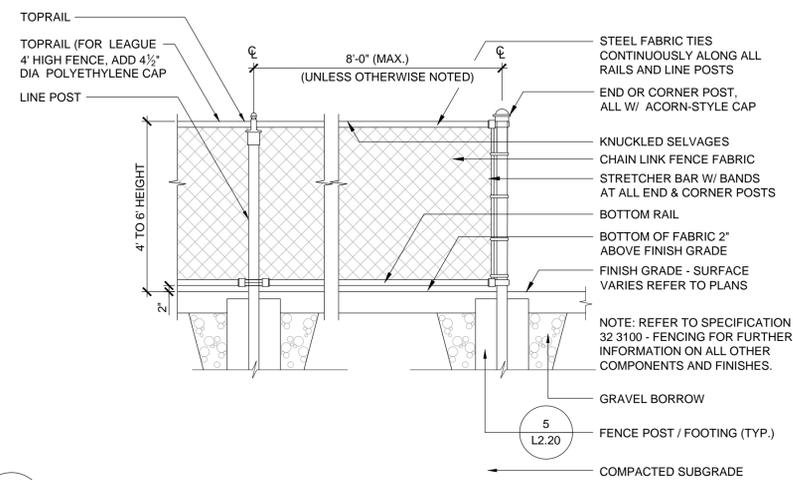
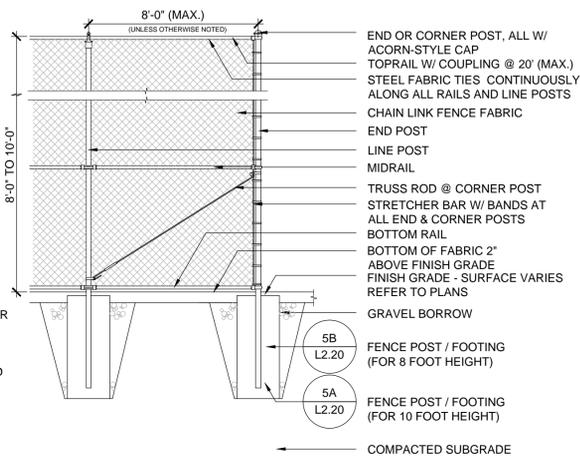
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SITE DETAILS

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L2.10



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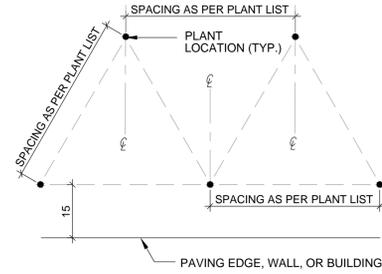
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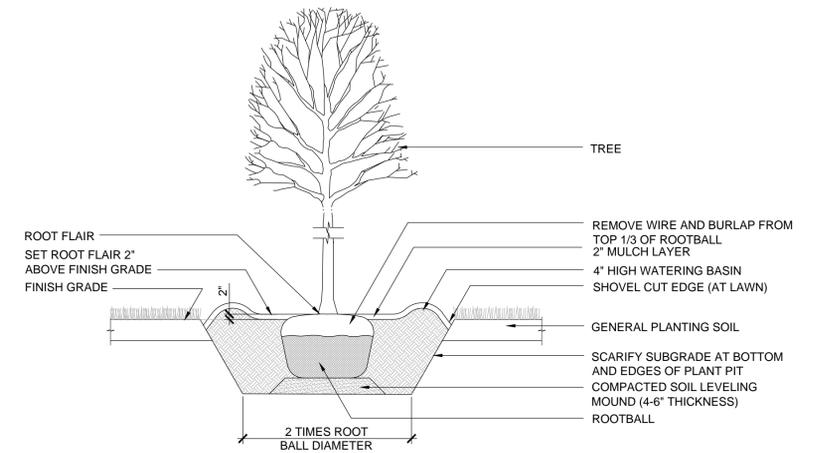
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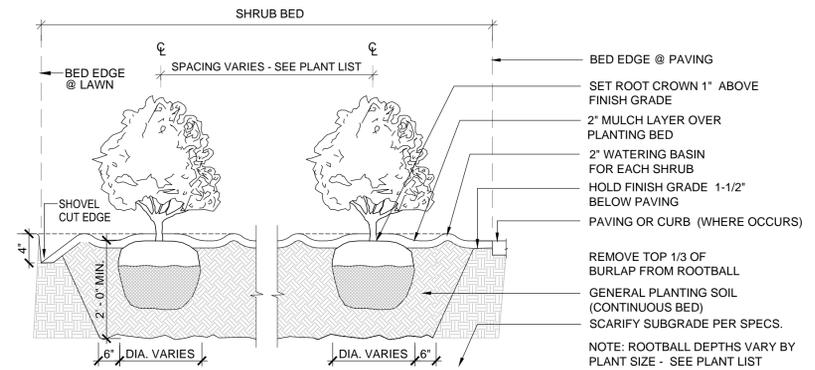


PLANT SPACING	PLANTS / S.F.
8" O.C.	2.6
10" O.C.	1.66
12" O.C.	1.15
15" O.C.	.733
18" O.C.	.512
24" O.C.	.291
30" O.C.	.185
36" O.C.	.128
42" O.C.	.105
48" O.C.	.0725

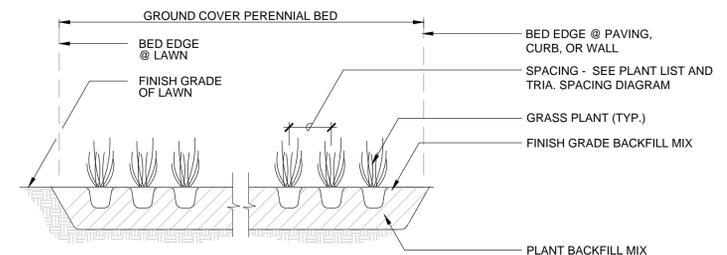
4 PLANTING SPACING DIAGRAM
L2.30 SCALE: NO SCALE



1 DECIDUOUS TREE PLANTING
L2.30 SCALE: NO SCALE



2 SHRUB PLANTING
L2.30 SCALE: NO SCALE



3 GROUND COVER / GRASS PLANTING DETAIL
L2.30 SCALE: NO SCALE



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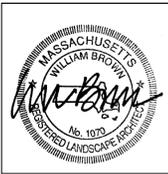
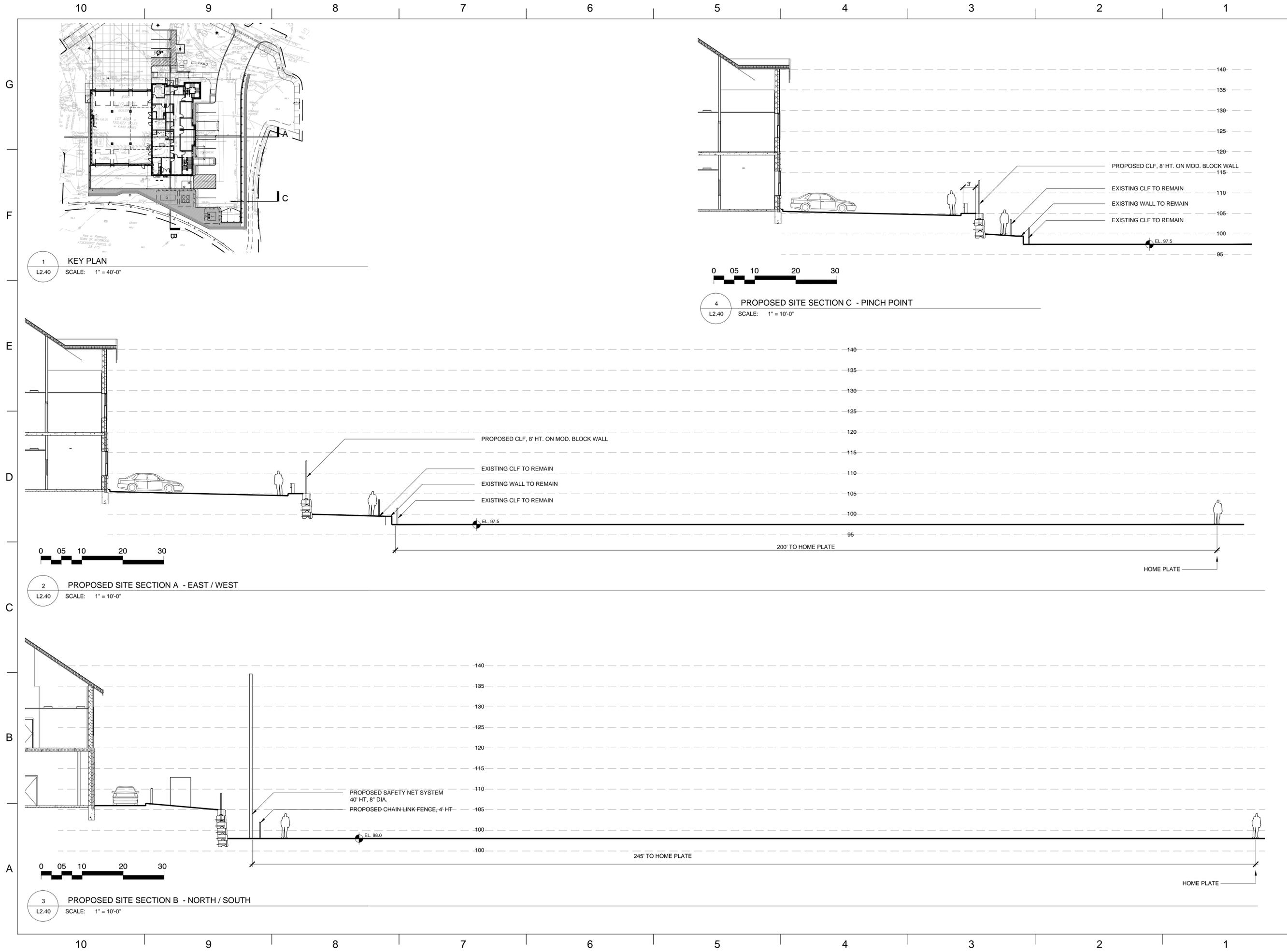
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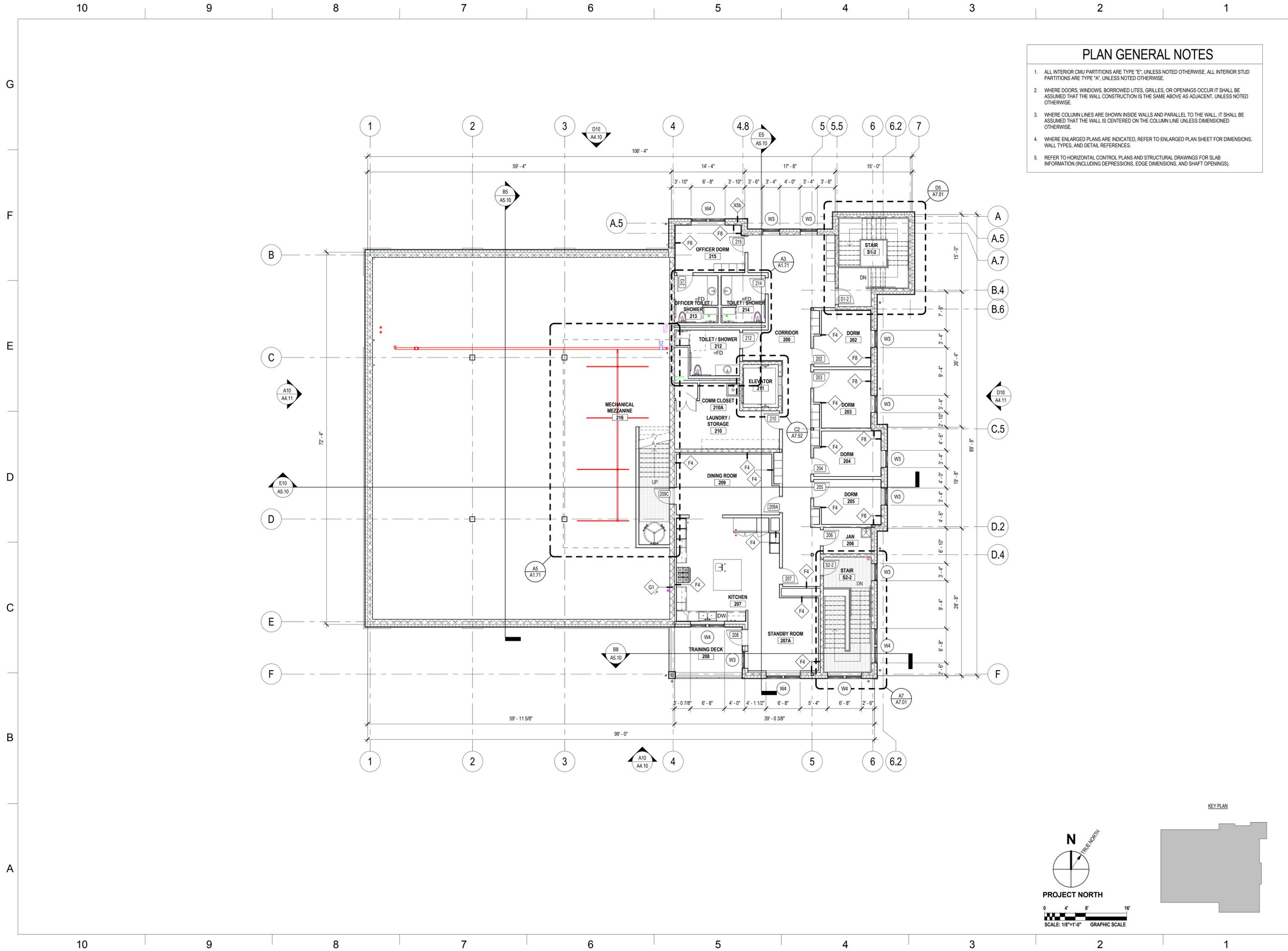
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SITE SECTIONS

SHEET #:
L2.40



- ### PLAN GENERAL NOTES
1. ALL INTERIOR CMU PARTITIONS ARE TYPE "E", UNLESS NOTED OTHERWISE. ALL INTERIOR STUD PARTITIONS ARE TYPE "A", UNLESS NOTED OTHERWISE.
 2. WHERE DOORS, WINDOWS, BORROWED LITES, GRILLES, OR OPENINGS OCCUR IT SHALL BE ASSUMED THAT THE WALL CONSTRUCTION IS THE SAME ABOVE AS ADJACENT, UNLESS NOTED OTHERWISE.
 3. WHERE COLUMN LINES ARE SHOWN INSIDE WALLS AND PARALLEL TO THE WALL, IT SHALL BE ASSUMED THAT THE WALL IS CENTERED ON THE COLUMN LINE UNLESS DIMENSIONED OTHERWISE.
 4. WHERE ENLARGED PLANS ARE INDICATED, REFER TO ENLARGED PLAN SHEET FOR DIMENSIONS, WALL TYPES, AND DETAIL REFERENCES.
 5. REFER TO HORIZONTAL CONTROL PLANS AND STRUCTURAL DRAWINGS FOR SLAB INFORMATION (INCLUDING DEPRESSIONS, EDGE DIMENSIONS, AND SHAFT OPENINGS).

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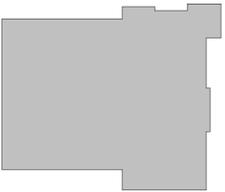
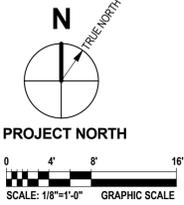
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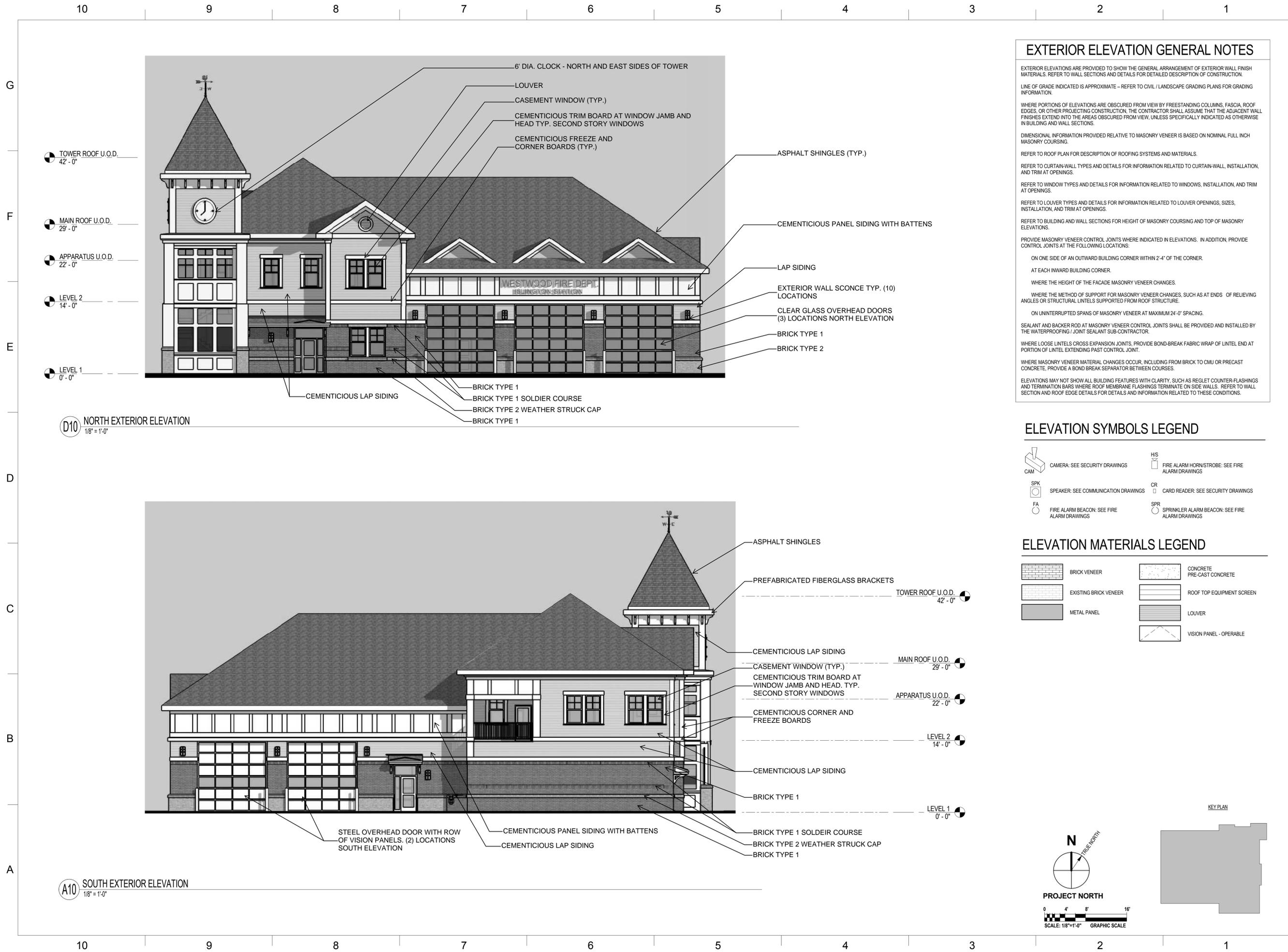
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LEVEL 2 OVERALL PLAN

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EXTERIOR ELEVATION GENERAL NOTES

EXTERIOR ELEVATIONS ARE PROVIDED TO SHOW THE GENERAL ARRANGEMENT OF EXTERIOR WALL FINISH MATERIALS. REFER TO WALL SECTIONS AND DETAILS FOR DETAILED DESCRIPTION OF CONSTRUCTION.

LINE OF GRADE INDICATED IS APPROXIMATE - REFER TO CIVIL / LANDSCAPE GRADING PLANS FOR GRADING INFORMATION.

WHERE PORTIONS OF ELEVATIONS ARE OBSCURED FROM VIEW BY FREESTANDING COLUMNS, FASCIA, ROOF EDGES, OR OTHER PROJECTING CONSTRUCTION, THE CONTRACTOR SHALL ASSUME THAT THE ADJACENT WALL FINISHES EXTEND INTO THE AREAS OBSCURED FROM VIEW, UNLESS SPECIFICALLY INDICATED AS OTHERWISE IN BUILDING AND WALL SECTIONS.

DIMENSIONAL INFORMATION PROVIDED RELATIVE TO MASONRY VENEER IS BASED ON NOMINAL FULL INCH MASONRY COURSING.

REFER TO ROOF PLAN FOR DESCRIPTION OF ROOFING SYSTEMS AND MATERIALS.

REFER TO CURTAIN-WALL TYPES AND DETAILS FOR INFORMATION RELATED TO CURTAIN-WALL, INSTALLATION, AND TRIM AT OPENINGS.

REFER TO WINDOW TYPES AND DETAILS FOR INFORMATION RELATED TO WINDOWS, INSTALLATION, AND TRIM AT OPENINGS.

REFER TO LOUVER TYPES AND DETAILS FOR INFORMATION RELATED TO LOUVER OPENINGS, SIZES, INSTALLATION, AND TRIM AT OPENINGS.

REFER TO BUILDING AND WALL SECTIONS FOR HEIGHT OF MASONRY COURSING AND TOP OF MASONRY ELEVATIONS.

PROVIDE MASONRY VENEER CONTROL JOINTS WHERE INDICATED IN ELEVATIONS. IN ADDITION, PROVIDE CONTROL JOINTS AT THE FOLLOWING LOCATIONS:

- ON ONE SIDE OF AN OUTWARD BUILDING CORNER WITHIN 2'-4" OF THE CORNER.
- AT EACH INWARD BUILDING CORNER.
- WHERE THE HEIGHT OF THE FACADE MASONRY VENEER CHANGES.

WHERE THE METHOD OF SUPPORT FOR MASONRY VENEER CHANGES, SUCH AS AT ENDS OF RELIEFING ANGLES OR STRUCTURAL LINTELS SUPPORTED FROM ROOF STRUCTURE.

ON UNINTERRUPTED SPANS OF MASONRY VENEER AT MAXIMUM 24'-0" SPACING.

SEALANT AND BACKER ROD AT MASONRY VENEER CONTROL JOINTS SHALL BE PROVIDED AND INSTALLED BY THE WATERPROOFING / JOINT SEALANT SUB-CONTRACTOR.

WHERE LOOSE LINTELS CROSS EXPANSION JOINTS, PROVIDE BOND-BREAK FABRIC WRAP OF LINTEL END AT PORTION OF LINTEL EXTENDING PAST CONTROL JOINT.

WHERE MASONRY VENEER MATERIAL CHANGES OCCUR, INCLUDING FROM BRICK TO CMU OR PRECAST CONCRETE, PROVIDE A BOND BREAK SEPARATOR BETWEEN COURSES.

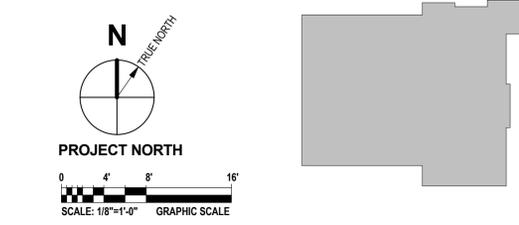
ELEVATIONS MAY NOT SHOW ALL BUILDING FEATURES WITH CLARITY, SUCH AS REGLET COUNTER-FLASHINGS AND TERMINATION BARS WHERE ROOF MEMBRANE FLASHINGS TERMINATE ON SIDE WALLS. REFER TO WALL SECTION AND ROOF EDGE DETAILS FOR DETAILS AND INFORMATION RELATED TO THESE CONDITIONS.

ELEVATION SYMBOLS LEGEND

CAMERA: SEE SECURITY DRAWINGS	FIRE ALARM HORN/STROBE: SEE FIRE ALARM DRAWINGS
SPEAKER: SEE COMMUNICATION DRAWINGS	CARD READER: SEE SECURITY DRAWINGS
FIRE ALARM BEACON: SEE FIRE ALARM DRAWINGS	SPRINKLER ALARM BEACON: SEE FIRE ALARM DRAWINGS

ELEVATION MATERIALS LEGEND

BRICK VENEER	CONCRETE PRE-CAST CONCRETE
EXISTING BRICK VENEER	ROOF TOP EQUIPMENT SCREEN
METAL PANEL	LOUVER
	VISION PANEL - OPERABLE



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DW
 DORE & WHITTIER
 ARCHITECTS, INC.

Project No.
14-676

WESTWOOD PUBLIC SAFETY
 300 Washington Street
 Westwood, MA 02090

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PERMITTING PLANS

REVISION:	Date:

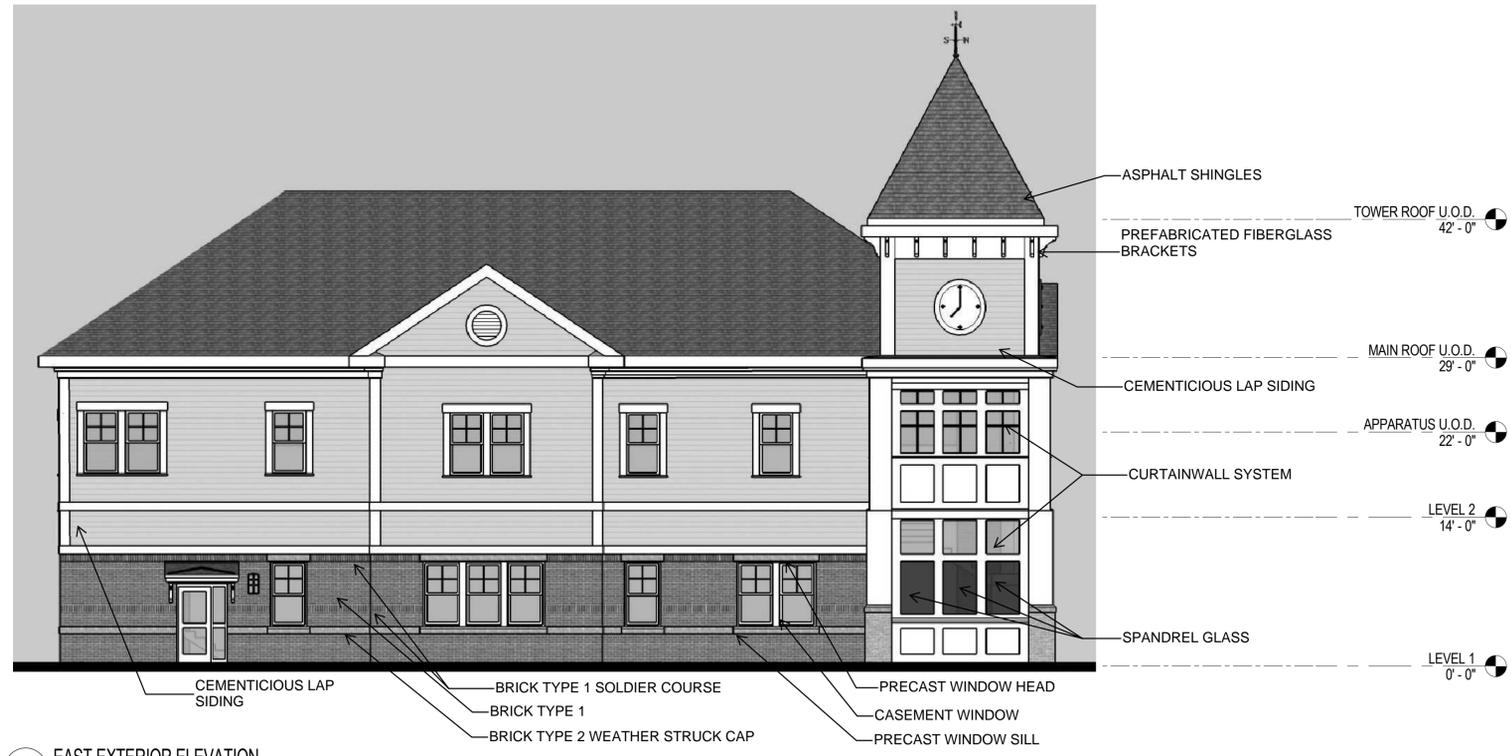
DATE: 01/27/2015 SCALE: As indicated
 DRAWN BY: CHKD BY:

SHEET TITLE:
EXTERIOR ELEVATIONS

SHEET #:
A4.10

10 9 8 7 6 5 4 3 2 1

G
F
E
D
C
B
A



D10 EAST EXTERIOR ELEVATION
1/8" = 1'-0"



A10 WEST EXTERIOR ELEVATION
1/8" = 1'-0"

EXTERIOR ELEVATION GENERAL NOTES

EXTERIOR ELEVATIONS ARE PROVIDED TO SHOW THE GENERAL ARRANGEMENT OF EXTERIOR WALL FINISH MATERIALS. REFER TO WALL SECTIONS AND DETAILS FOR DETAILED DESCRIPTION OF CONSTRUCTION.

LINE OF GRADE INDICATED IS APPROXIMATE - REFER TO CIVIL / LANDSCAPE GRADING PLANS FOR GRADING INFORMATION.

WHERE PORTIONS OF ELEVATIONS ARE OBSCURED FROM VIEW BY FREESTANDING COLUMNS, FASCIA, ROOF EDGES, OR OTHER PROJECTING CONSTRUCTION, THE CONTRACTOR SHALL ASSUME THAT THE ADJACENT WALL FINISHES EXTEND INTO THE AREAS OBSCURED FROM VIEW, UNLESS SPECIFICALLY INDICATED AS OTHERWISE IN BUILDING AND WALL SECTIONS.

DIMENSIONAL INFORMATION PROVIDED RELATIVE TO MASONRY VENEER IS BASED ON NOMINAL FULL INCH MASONRY COURSING.

REFER TO ROOF PLAN FOR DESCRIPTION OF ROOFING SYSTEMS AND MATERIALS.

REFER TO CURTAIN-WALL TYPES AND DETAILS FOR INFORMATION RELATED TO CURTAIN-WALL, INSTALLATION, AND TRIM AT OPENINGS.

REFER TO WINDOW TYPES AND DETAILS FOR INFORMATION RELATED TO WINDOWS, INSTALLATION, AND TRIM AT OPENINGS.

REFER TO LOUVER TYPES AND DETAILS FOR INFORMATION RELATED TO LOUVER OPENINGS, SIZES, INSTALLATION, AND TRIM AT OPENINGS.

REFER TO BUILDING AND WALL SECTIONS FOR HEIGHT OF MASONRY COURSING AND TOP OF MASONRY ELEVATIONS.

PROVIDE MASONRY VENEER CONTROL JOINTS WHERE INDICATED IN ELEVATIONS. IN ADDITION, PROVIDE CONTROL JOINTS AT THE FOLLOWING LOCATIONS:

- ON ONE SIDE OF AN OUTWARD BUILDING CORNER WITHIN 2'-4" OF THE CORNER.
- AT EACH INWARD BUILDING CORNER.
- WHERE THE HEIGHT OF THE FACADE MASONRY VENEER CHANGES.
- WHERE THE METHOD OF SUPPORT FOR MASONRY VENEER CHANGES, SUCH AS AT ENDS OF RELIEVING ANGLES OR STRUCTURAL LINTELS SUPPORTED FROM ROOF STRUCTURE.
- ON UNINTERRUPTED SPANS OF MASONRY VENEER AT MAXIMUM 24'-0" SPACING.

SEALANT AND BACKER ROD AT MASONRY VENEER CONTROL JOINTS SHALL BE PROVIDED AND INSTALLED BY THE WATERPROOFING / JOINT SEALANT SUB-CONTRACTOR.

WHERE LOOSE LINTELS CROSS EXPANSION JOINTS, PROVIDE BOND-BREAK FABRIC WRAP OF LINTEL END AT PORTION OF LINTEL EXTENDING PAST CONTROL JOINT.

WHERE MASONRY VENEER MATERIAL CHANGES OCCUR, INCLUDING FROM BRICK TO CMU OR PRECAST CONCRETE, PROVIDE A BOND BREAK SEPARATOR BETWEEN COURSES.

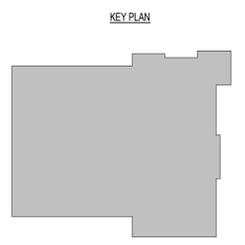
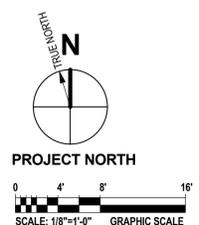
ELEVATIONS MAY NOT SHOW ALL BUILDING FEATURES WITH CLARITY, SUCH AS REGLET COUNTER-FLASHINGS AND TERMINATION BARS WHERE ROOF MEMBRANE FLASHINGS TERMINATE ON SIDE WALLS. REFER TO WALL SECTION AND ROOF EDGE DETAILS FOR DETAILS AND INFORMATION RELATED TO THESE CONDITIONS.

ELEVATION SYMBOLS LEGEND

CAM	CAMERA: SEE SECURITY DRAWINGS	HIS	FIRE ALARM HORN/STROBE: SEE FIRE ALARM DRAWINGS
SPK	SPEAKER: SEE COMMUNICATION DRAWINGS	CR	CARD READER: SEE SECURITY DRAWINGS
FA	FIRE ALARM BEACON: SEE FIRE ALARM DRAWINGS	SPR	SPRINKLER ALARM BEACON: SEE FIRE ALARM DRAWINGS

ELEVATION MATERIALS LEGEND

	BRICK VENEER		CONCRETE PRE-CAST CONCRETE
	EXISTING BRICK VENEER		ROOF TOP EQUIPMENT SCREEN
	METAL PANEL		LOUVER
			VISION PANEL - OPERABLE



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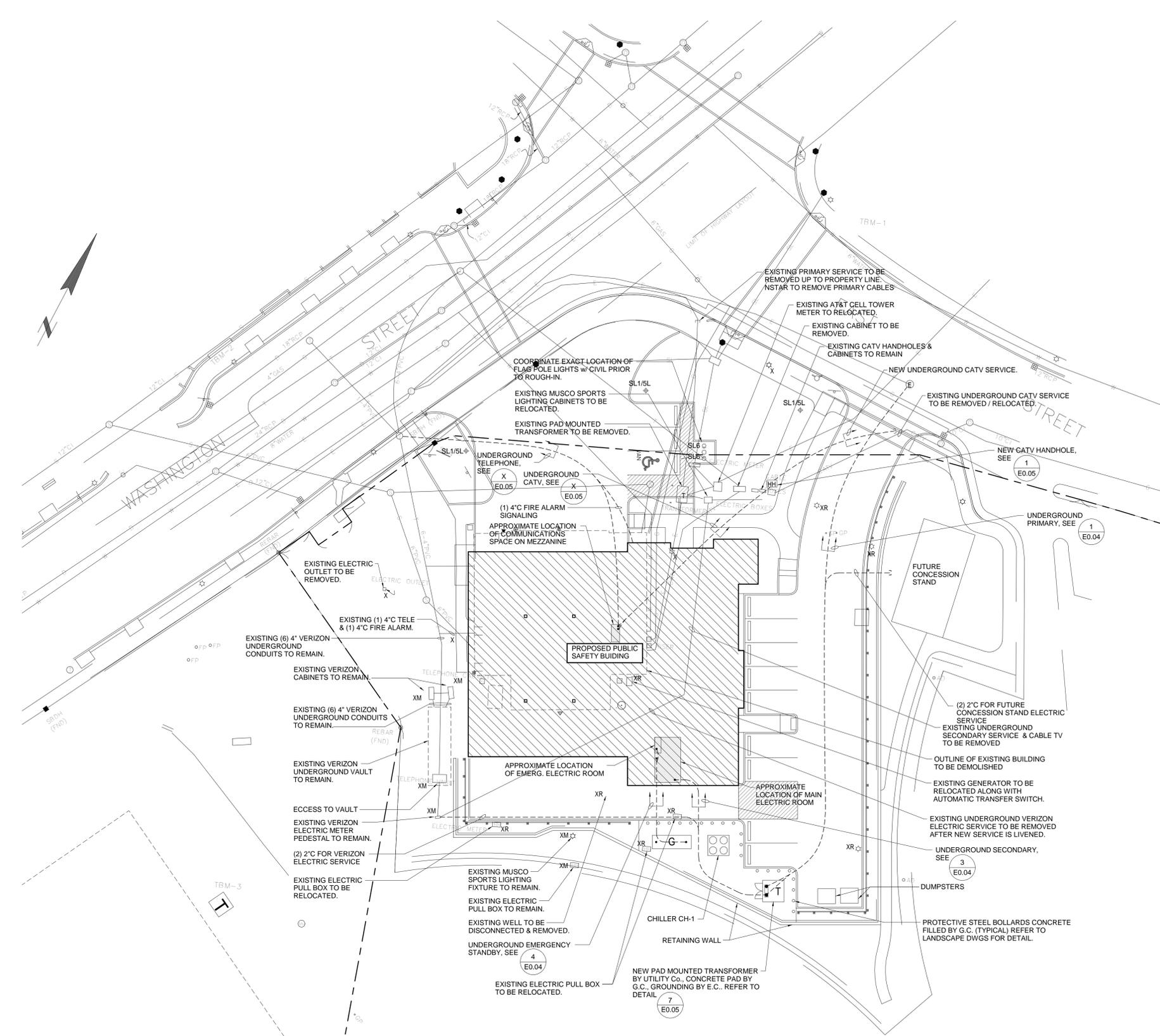
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SHEET TITLE:
EXTERIOR ELEVATIONS

SHEET #:
A4.11

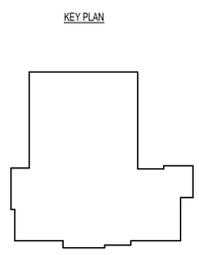


- ELECTRICAL SITE NOTES**
- DO NOT RUN ANY UNDERGROUND RACEWAYS WITHIN PLANTING AREAS OR LEACHING FIELDS. REFER TO DRAWINGS FOR LOCATIONS. COORDINATE ROUTING WITH LANDSCAPE ARCHITECT.
 - REFER TO CIVIL DRAWINGS FOR EXACT ROUTING OF UTILITIES. REFER TO LANDSCAPE DRAWINGS FOR EXACT LOCATION OF 'SITE' FIXTURES.
 - ALL SITE WIRING SHALL BE 2#8
G, 1" C MINIMUM UNLESS SHOWN OTHERWISE.
 - ALL EXTERIOR LIGHTING TO BE PROGRAMMED FOR PHOTOCELL 'ON', TIMED 'OFF' AND DIMMED LEVELS (VIA 0-10V SIGNAL). PROVIDE INDIVIDUAL CONTROL FOR EACH CIRCUIT. COORDINATE PROGRAMMING WITH OWNER. (REFER TO ALCS ONE-LINE DIAGRAM & SPECIFICATIONS).
 - REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF EXTERIOR WALL MOUNTED LIGHTING.
 - REMOVE ALL SITE ELECTRICS WHEN NO LONGER REQUIRED.
 - PROVIDE 17"x30"x12"D GROUND MOUNTED PULL BOX (QUAZITE #PC1730BA12 WITH COVER #PC1730CA17 OR SAME BY CARSON, HIGHLINE, STRONGWELL, OR EQUAL. RUN ALL SITE LIGHTING VIA PULL BOX. ALSO PROVIDE (1) 1" SPARE WITH PULL LINE BETWEEN PULL BOX AND NEAREST ELECTRIC ROOM. LABEL @ EACH END.
 - PROVIDE LIGHTNING PROTECTION SYSTEM FOR COVERAGE OF ENTIRE FACILITY.
 - PROVIDE 12"x12"x12"D GROUND MOUNTED PULL BOX (QUAZITE #PC1212BG12 WITH COVER #PC1212HG00 COVER OR SAME BY CARSON, HIGHLINE, STRONGWELL, OR EQUAL).
 - GENERATOR EMISSIONS EXHAUST SHALL MAINTAIN 25 FEET CLEARANCE FROM ANY OPERABLE WINDOWS OR INTAKE LOUVERS. COMPLY WITH ALL FEDERAL EPA AND STATE DEP REQUIREMENTS.
 - BELOW SLAB CONDUITS DO NOT REQUIRE CONCRETE ENCASEMENT.
 - DISCONNECT & REMOVE EXISTING TENNIS COURT LIGHTS & CABINETS. STORE LIGHTS & CABINETS OFF-SITE. RELOCATE POLES TO NEW SITE @ DPW.

SITE WIRING LEGEND:

1	2#8, 1#10G, 1" C, 24" BELOW GRADE
2	4#8, 2#10G, 1" C, 24" BELOW GRADE
3	6#8, 3#10G, 1 1/4" C, 24" BELOW GRADE

1
E0.03 ELECTRICAL SITE PLAN
SCALE: 1" = 20'-0"



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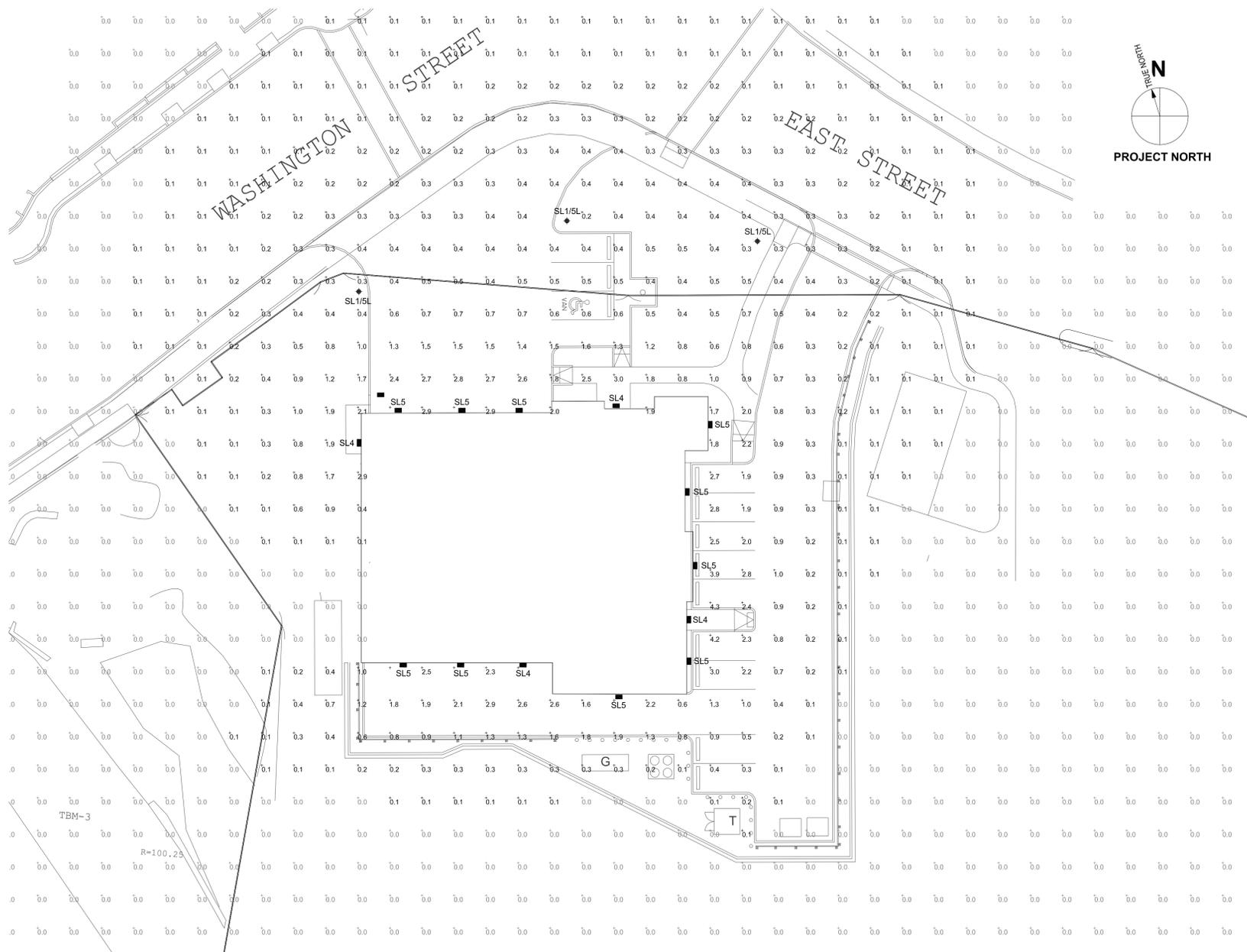
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REVISION:	Date:
DATE:	SCALE:
01/27/2015	1" = 20'-0"
DRAWN BY:	CHKD BY:
MB	DMP

SHEET TITLE:
ELECTRICAL SITE PLAN

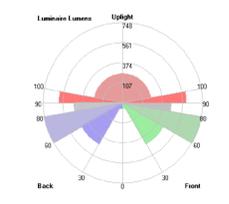
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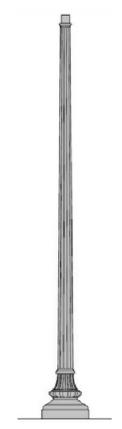
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LC.1 SITE LIGHTING PLAN - PROPOSED LAYOUT AND ILLUMINATION VALUES
SCALE: 1" = 20'-0"

CALCULATION SUMMARY SCHEDULE							
Label	Type	Units	Average	Maximum	Minimum	Average / Minimum	Maximum / Minimum
Site	Surface Illuminance	Footcandles	1.06	6.4	.1	10.6	64

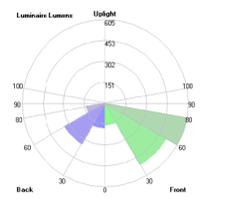
LIGHTING FIXTURE SCHEDULE										
Label	Mounting Height	LLF	Description	Watts	Lumens	Manufacturer	Model	Lamping	IES Distribution	BUG Rating
SL1/5L	20'-0" A.F.G.	1.000	Single Pole Mounted Area	78.5	4,247	Antique Street Lamps	RGAL-D-FPF-32LED-700MA-3K-PRF-R5-MVOLT / PA-W19-20	3000K, LED w/ Dimming Diver	Type V	B2-U4-G3
SL4	9'-0" A.F.G.	1.000	Wall Mounted Egress	24	1,944	Lithonia	MRWLED-1-10A700/30K-SR4-MVOLT-SF-DMG-ELCW	3000K, LED w/ Dimming Diver	Type IV	B1-U0-G1
SL5	14'-0" A.F.G.	1.000	Wall Mounted Area	24	2,011	Lithonia	MRWLED-1-10A700/30K-SR3-MVOLT-SF-DMG	3000K, LED w/ Dimming Diver	Type III	B1-U0-G1



2
LC.1 TYPE SL1/5L - FIXTURE
N.T.S.



3
LC.1 TYPE SL1/5L - POLE
N.T.S.



4
LC.1 TYPE SL4 & SL5
N.T.S.

ALL SITE LIGHTING IS CONTROLLED BY BUILDING AUTOMATED LIGHTING CONTROL SYSTEMS; EMERGENCY OVERRIDE BRINGS LIGHTS TO FULL "ON".

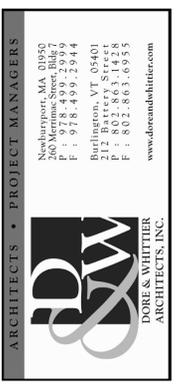
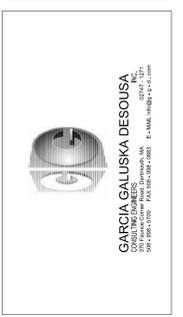
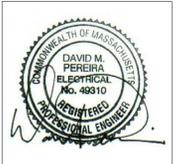
TYPE SL1/5L FIXTURES
DAWN - DUSK: FULL LIGHT OUTPUT
DUSK - DAWN: 50% OUTPUT*

TYPE SL5 FIXTURES
DAWN - DUSK: FULL LIGHT OUTPUT
DUSK - DAWN: 50% OUTPUT*

TYPE SL4 FIXTURES
DUSK - DAWN: FULL LIGHT OUTPUT

* OUTPUT REDUCED VIA 0-10V DIMMING LED DRIVER.

5
LC.1 PROPOSED CONTROL SETTINGS
N.T.S.



Project No. 14-676

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REVISION:	Date:
DATE:	SCALE:
01/27/2015	AS NOTED
DRAWN BY:	CHKD BY:
SH	DMP

SHEET TITLE:
SITE LIGHTING LAYOUT & ILLUMINANCE VALUES

SHEET #:

LC.1