

West Medway II Facility

9 Summer Street

MEDWAY, MASSACHUSETTS

(Norfolk County)

Assessor's Map/ Lot: 56-001, 56-002, 56-003, 56-004, 66-012, 66-013
Zoning District: Agricultural Residential II & Industrial II

OWNER/APPLICANT

Exelon West Medway, LLC and Exelon West Medway II, LLC
300 Exelon Way
Kennett Square, PA 19348

PROJECT TEAM



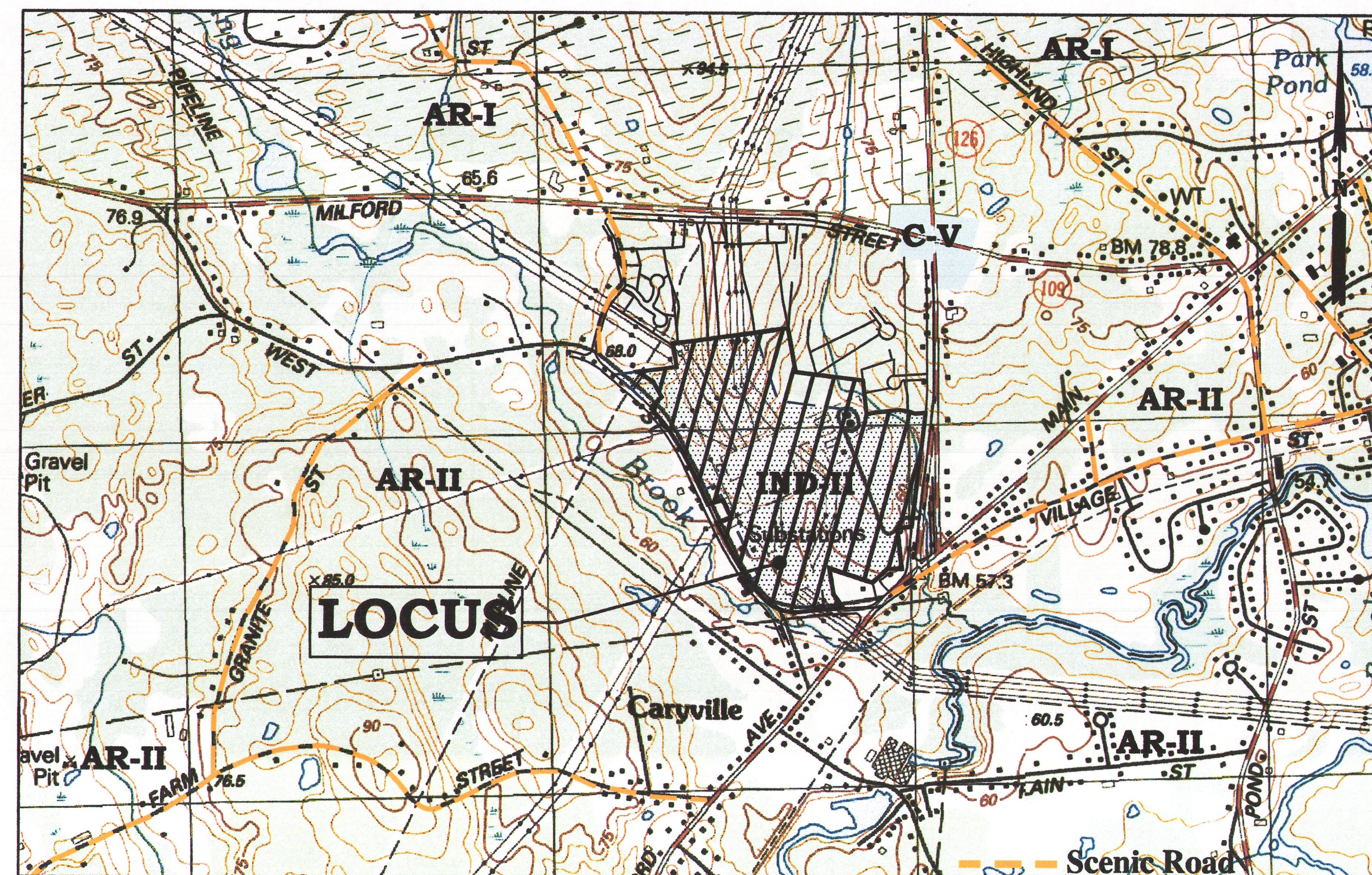
Reservoir Corporate Center
144 Turnpike Road
Southborough, MA 01772



695 Atlantic Avenue
Boston, MA 02111

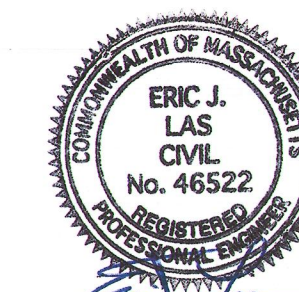
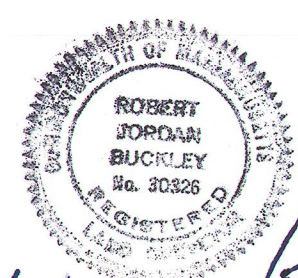


3 Clock Tower Place #250
Maynard, MA 01754



Site Context Plan

Scale: 1" = 1000'



Permit Plan Set - February 09, 2016
Revised Permit Plan Set - April 21, 2016
Revised Permit Plan Set - June 17, 2016
Final Revised Permit Plan Set - August 17, 2016

Prepared By: Beals + Thomas

Job No.: 1422.10 Plan No.: 142210P015D-001 Sheet 1 of 21

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REQUESTED WAIVERS

1. SITE PLAN SCALE - SECTION 204-4, B. - THE SITE PLAN SHALL BE DRAWN AT A SCALE OF ONE (1) INCH EQUALS FORTY (40) FEET OR SUCH OTHER SCALE THAT HAS BEEN APPROVED IN ADVANCE BY THE PLANNING BOARD AND THAT CLEARLY AND ADEQUATELY REPRESENTS THE PROPOSED IMPROVEMENTS. **APPROVED JULY 12, 2016**

THE PROPOSED FACILITY WILL BE LOCATED ON APPROXIMATELY 13 ACRES OF A 94-ACRE PROPERTY. THE APPLICANT PROPOSES A SCALE OF 1" = 60' IN ORDER TO FIT THE ENTIRE DEVELOPMENT ONTO ONE PLAN SHEET.

2. EXISTING LANDSCAPE INVENTORY - SECTION 204-5 C. 3. - AN EXISTING LANDSCAPE INVENTORY SHALL BE PREPARED BY A PROFESSIONAL LANDSCAPE ARCHITECT LICENSED IN THE COMMONWEALTH OF MASSACHUSETTS. THIS INVENTORY SHALL INCLUDE A "MAPPED" OVERVIEW OF EXISTING LANDSCAPE FEATURES AND STRUCTURES AND A GENERAL INVENTORY OF MAJOR PLANT SPECIES INCLUDING THE SPECIFIC IDENTIFICATION OF EXISTING TREES WITH A DIAMETER OF ONE FOOT OR GREATER AT FOUR FEET ABOVE GRADE. **APPROVED JULY 12, 2016**

THE APPLICANT HAS IDENTIFIED 21 EVERGREEN AND 87 DECIDUOUS TREES WITH A 10 INCH OR GREATER DIAMETER AT BREAST HEIGHT (DBH) THAT WOULD BE REMOVED AS A RESULT OF THE PROJECT. GIVEN THE 13-ACRE SIZE OF THE PROPOSED PROJECT, THE EXTENT OF PROPOSED TREE CLEARING IS EXTREMELY LIMITED. ACCORDINGLY, A FULL EXISTING LANDSCAPE INVENTORY WILL PROVIDE LIMITED ADDITIONAL INFORMATION TO THE BOARD. THE APPLICANT PROPOSES A ROBUST LANDSCAPING PLAN AND HAS WORKED WITH THE DESIGN REVIEW COMMITTEE TO INCREASE THE NUMBER OF PROPOSED TREES AND SHRUBS IN THE LANDSCAPING PLAN, AND INCREASE THE HEIGHT OF MANY PLANTINGS.

3. SECTION 205-6 (H) CURBING - THE PERIMETER OF PARKING AREAS SHALL BE BOUNDED WITH VERTICAL GRANITE CURB OR SIMILAR EDGE TREATMENT. **APPROVED JULY 12, 2016**

THE APPLICANT PROPOSES TO USE BITUMINOUS CONCRETE FOR THE CURBING. BITUMINOUS CONCRETE IS APPROPRIATE FOR THE PROPOSED PARKING LOT, AS THE PROJECT IS LOCATED ON A PRIVATE SITE WITHIN AN INDUSTRIAL ZONE THAT WILL HAVE GATED ACCESS AND IS NOT OPEN TO THE PUBLIC. FURTHERMORE, THE PROPOSED PARKING AREA WILL NOT BE VISIBLE FROM A PUBLIC WAY.


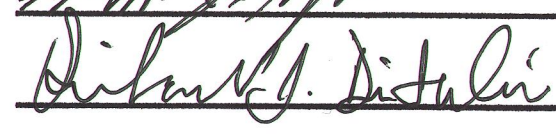
4. TREE REPLACEMENT - SECTION 205-9, F. - THE TOTAL DIAMETER OF ALL TREES OVER TEN (10) INCHES IN DIAMETER THAT ARE REMOVED FROM THE SITE SHALL BE REPLACED WITH TREES THAT EQUAL THE TOTAL BREAST HEIGHT DIAMETER OF THE REMOVED TREES. THE REPLACEMENT TREES MAY BE PLACED ON OR OFF SITE AS RECOMMENDED BY THE PLANNING BOARD. **APPROVED JULY 12, 2016**

THE MAJORITY OF TREES WITH A 10 INCH OR GREATER DBH ARE LOCATED WITHIN THE HEDGEROWS WHICH RUN EAST-WEST AND NORTH-SOUTH ACROSS THE PROPERTY'S OPEN FIELDS. THE MAJORITY OF THESE HEDGEROWS ARE COMPOSED OF DECIDUOUS TREES AND DO NOT PROVIDE FOUR-SEASON SCREENING. THE APPLICANT PROPOSES A ROBUST PLANTING PLAN WITH LESS THAN 1:1 REPLACEMENT OF TREE DIAMETER LOST.

5. BICYCLE PARKING - SECTION 7.1.1.1. - BICYCLE PARKING FACILITIES SHALL BE PROVIDED FOR ANY NEW BUILDING, ADDITION OR ENLARGEMENT OF AN EXISTING BUILDING, OR FOR ANY CHANGE IN THE OCCUPANCY OF ANY NEW BUILDING THAT RESULTS IN THE NEED FOR ADDITIONAL VEHICULAR PARKING FACILITIES. THE MINIMUM REQUIRED NUMBER OF BICYCLE SPACES SHALL BE ONE PER TWENTY MOTOR VEHICLE SPACES UNLESS WAIVED DURING SITE PLAN REVIEW OR, WHERE SITE PLAN REVIEW IS NOT REQUIRED, BY THE BUILDING INSPECTOR, BASED ON INDIVIDUAL SITE CONDITIONS. **APPROVED JULY 12, 2016**

FOR SAFETY AND SECURITY REASONS, THE APPLICANT DOES NOT ALLOW BICYCLES ON THE PROPERTY. ACCORDINGLY, THE APPLICANT REQUESTS A WAIVER FROM THIS REQUIREMENT.

Planning and Economic Development Board's Signature Block



August 23, 2016

GENERAL NOTES

THE CONTRACTOR SHALL MAKE ALL NECESSARY CONSTRUCTION NOTIFICATIONS AND APPLY FOR AND OBTAIN ALL NECESSARY CONSTRUCTION PERMITS IN ACCORDANCE WITH THE CONTRACT. THE CONTRACTOR SHALL ALSO PAY ALL FEES AND POST ALL BONDS ASSOCIATED WITH THE SAME, AND COORDINATE WITH THE ENGINEER AND ARCHITECT AS REQUIRED IN ACCORDANCE WITH THE CONTRACT.

CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR JOB SITE SAFETY AND ALL CONSTRUCTION MEANS AND METHODS.

LIMIT OF WORK SHALL BE EROSION CONTROL BARRIERS, LIMIT OF GRADING AND SITE PROPERTY LINES AND/OR AS INDICATED ON DRAWINGS.

PORTIONS OF THE ROADWAY, SIDEWALK AND ROADSIDE AREA DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED TO THEIR CONDITIONS PRIOR TO DISTURBANCE.

CONTRACTOR TO VERIFY UTILITY STUB LOCATIONS AND ELEVATIONS IN THE FIELD PRIOR TO COMMENCING WORK.

ANY ALTERATION TO THESE DRAWINGS MADE IN THE FIELD DURING CONSTRUCTION SHALL BE RECORDED BY THE CONTRACTOR ON AS-BUILT MARKUPS.

ANY AREA OUTSIDE THE LIMIT OF WORK THAT IS DISTURBED SHALL BE RESTORED TO ITS ORIGINAL CONDITION AT NO COST TO OWNER.

EXISTING TREES AND SHRUBS OUTSIDE THE LIMITS OF GRADING SHALL BE REMOVED ONLY UPON PRIOR APPROVAL OF THE OWNER.

FOR DRAWING LEGIBILITY, ALL EXISTING TOPOGRAPHIC FEATURES, EXISTING UTILITIES, PROPERTY BOUNDARIES, EASEMENTS, ETC. MAY NOT BE SHOWN ON ALL DRAWINGS. REFER TO ALL REFERENCED DRAWINGS AND OTHER DRAWINGS IN THIS SET FOR ADDITIONAL INFORMATION.

ALL EXCAVATORS OR CONTRACTORS MUST REFER TO 520 CMR 14.00 TO OBTAIN A TRENCH PERMIT PRIOR TO ANY CONSTRUCTION RELATED TRENCHES ON SITE.

EROSION CONTROL AND SEDIMENTATION NOTES

AN EROSION CONTROL BARRIER SHALL BE INSTALLED ALONG THE EDGE OF PROPOSED DEVELOPMENT AS INDICATED IN THE PLAN PRIOR TO THE COMMENCEMENT OF DEMOLITION OR CONSTRUCTION OPERATIONS.

CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL MEASURES DURING ENTIRE CONSTRUCTION PERIOD.

ANY SEDIMENT TRACKED ONTO PUBLIC RIGHT-OF-WAYS SHALL BE SWEEPED AT THE END OF EACH WORKING DAY.

ALL STOCKPILE AREAS SHALL BE LOCATED WITHIN LIMIT OF WORK LINE AND STABILIZED TO PREVENT EROSION.

ALL DEBRIS GENERATED DURING SITE PREPARATION ACTIVITIES SHALL BE LEGALLY DISPOSED OF OFF SITE.

PROVIDE CRIBBING AS NECESSARY TO PROTECT EXISTING UTILITY LINES DURING CONSTRUCTION.

SITE ELEMENTS TO REMAIN MUST BE PROTECTED FOR DURATION OF CONSTRUCTION.

ALL TOPSOIL ENCOUNTERED WITHIN WORK AREA SHALL BE STRIPPED TO ITS FULL DEPTH AND STOCKPILED FOR REUSE. EXCESS TOPSOIL SHALL BE DISPOSED OF AS DIRECTED BY OWNER. TOPSOIL PILES SHALL REMAIN SEGREGATED FROM EXCAVATED SUBSURFACE SOIL MATERIALS.

ADDITIONAL EROSION CONTROL MEASURES SHALL BE IMPLEMENTED AS CONDITIONS WARRANT OR AS DIRECTED BY THE OWNER OR OWNER'S REPRESENTATIVE.

ALL POINTS OF CONSTRUCTION EGRESS OR INGRESS SHALL BE MAINTAINED TO PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC ROADS.

ALL AREAS IDENTIFIED AS CRITICAL AREA SEEDING SHALL BE STABILIZED DURING CONSTRUCTION BY SEEDING WITH ANNUAL RYE GRASS AT THE RATE OF FORTY (40) LBS/ACRE.

TEMPORARY DIVERSION DITCHES, PERMANENT DITCHES, CHANNELS, EMBANKMENTS AND ANY DENuded SURFACE WHICH WILL BE EXPOSED FOR A PERIOD OF ONE MONTH OR MORE SHALL BE CONSIDERED CRITICAL VEGETATION AREAS. THESE AREAS SHALL BE MULCHED WITH STRAW. MULCH SHALL BE SPREAD UNIFORMLY IN A CONTINUOUS BLANKET OF SUFFICIENT THICKNESS TO COMPLETELY HIDE THE SOIL FROM VIEW.

SOIL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSPECTED AND MAINTAINED ON A DAILY BASIS DURING CONSTRUCTION TO INSURE THAT CHANNELS, DITCHES AND PIPES ARE CLEAR OF DEBRIS AND THAT THE EROSION CONTROL BARRIERS ARE INTACT.

CONTRACTOR SHALL PROVIDE DUST CONTROL FOR CONSTRUCTION OPERATIONS AS APPROVED BY OWNER.

DUST SHALL BE CONTROLLED BY SPRINKLING OR OTHER APPROVED METHODS AS NECESSARY, OR AS DIRECTED BY THE OWNER OR HIS REPRESENTATIVE.

STRAW BALE CHECK DAMS SHALL BE PROVIDED AROUND ALL EXISTING DRAIN INLETS PRIOR TO CONSTRUCTION ACTIVITIES AND AROUND ALL PROPOSED DRAIN INLETS PRIOR TO PERMANENT PAVEMENT TO CONTROL SITUATION.

STRAW BALE CHECK DAMS ARE TO BE PROVIDED ON TWO HUNDRED (200) FOOT SPACINGS WITHIN ALL DRAINAGE SWALES AND DITCHES AND AT UPSTREAM SIDES OF ALL DRAINAGE INLETS.

RIP RAP SPLASH PADS SHALL BE INSTALLED AT THE OUTLETS FOR ALL CULVERTS DISCHARGING ADJACENT TO A WATERWAY.

EXTREME CARE SHALL BE EXERCISED SO AS TO PREVENT ANY UNSUITABLE MATERIAL FROM ENTERING THE WETLANDS.

ADDITIONAL STRAW BALES SHALL BE LOCATED AS CONDITIONS WARRANT OR AS DIRECTED BY THE OWNER OR HIS REPRESENTATIVE.

CLEAN AND MAINTAIN EROSION CONTROL BARRIER AS REQUIRED DURING CONSTRUCTION OPERATIONS TO ENSURE ITS CONTINUED FUNCTIONALITY.

LAYOUT AND MATERIALS NOTES

ALL LINES AND DIMENSIONS ARE PARALLEL OR PERPENDICULAR TO THE LINES FROM WHICH THEY ARE MEASURED UNLESS OTHERWISE INDICATED.

CONTRACTOR SHALL REPORT SIGNIFICANT CONFLICTS TO THE OWNER AND THE ENGINEER FOR RESOLUTION.

DIMENSIONS OF PARKING SPACES AND DRIVEWAYS ARE FROM FACE OF CURB TO FACE OF CURB.

DIMENSIONS FROM BUILDING ARE FROM FACE OF BUILDING TO FACE OF CURB. CONTRACTOR SHALL VERIFY ALL CONDITIONS IN THE FIELD AND REPORT ANY DISCREPANCIES TO THE ENGINEER. THE CONTRACTOR SHALL STAKE OUT BUILDING FROM THE LATEST ARCHITECTURAL DRAWINGS.

THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES BETWEEN SITE PLAN DIMENSIONS AND BUILDING PLANS BEFORE PROCEEDING WITH ANY PORTION OF SITE WORK WHICH MAY BE AFFECTED SO THAT PROPER ADJUSTMENTS TO THE SITE LAYOUT CAN BE MADE IF NECESSARY.

SEE ARCHITECTURAL DRAWINGS FOR EXACT BUILDING DIMENSIONS AND ALL DETAIL CONTIGUOUS TO THE BUILDING, LIGHTING, ENTRANCE PATIO, DOORWAY PADS, LOADING DOCK DETAILS, ETC.

ACCESSIBLE RAMPS AS REQUIRED PER CODE SHALL BE PER MASSACHUSETTS STATE CODE AND THE AMERICANS WITH DISABILITIES ACT (ADA) ACCESSIBILITY GUIDELINES (WHICHEVER IS MORE STRINGENT).

EACH HANDICAP PARKING SPACE SHALL BE IDENTIFIED BY A SIGN SIX (6) FEET IN HEIGHT LOCATED AT THE FACE OF THE CURBLINE. THE SIGN SHALL CONTAIN THE INTERNATIONAL SYMBOL OF ACCESSIBILITY AS DESCRIBED IN THE AMERICANS WITH DISABILITIES ACT, PUBLIC LAW 101-336. (SEE DETAIL).

PROTECT EXISTING PROPERTY MONUMENTS AND ABUTTING PROPERTIES DURING CONSTRUCTION ACTIVITIES.

BARBED WIRE SHALL MATCH COLOR OF CHAIN LINK FENCE.

GRADING, DRAINAGE AND UTILITY NOTES

UNDERGROUND UTILITIES WERE COMPILED FROM AVAILABLE RECORD PLANS OF UTILITY COMPANIES AND PUBLIC AGENCIES, ARE APPROXIMATE AND ASSUMED. BEFORE COMMENCING SITE WORK IN ANY AREA, CONTACT "DIG SAFE" AT 1-888-344-7233 TO ACCURATELY LOCATE UNDERGROUND UTILITIES. ANY DAMAGE TO EXISTING UTILITIES OR STRUCTURES SHALL BE THE CONTRACTOR'S RESPONSIBILITY. NO EXCAVATION SHALL BE DONE UNTIL UTILITY COMPANIES ARE PROPERLY NOTIFIED IN ADVANCE.

ALL SITE WORK SHALL MEET OR EXCEED THE SITE WORK SPECIFICATIONS PREPARED FOR THIS PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS DO NOT CONFLICT WITH ANY KNOWN EXISTING OR OTHER PROPOSED IMPROVEMENTS. IF ANY CONFLICTS ARE DISCOVERED, THE CONTRACTOR SHALL NOTIFY THE OWNER AND THE ENGINEER PRIOR TO INSTALLATION OF ANY PORTION OF THE SITE WORK WHICH WOULD BE AFFECTED.

ALL WORK PERFORMED AND ALL MATERIALS FURNISHED SHALL CONFORM WITH THE LINES, GRADES AND OTHER SPECIFIC REQUIREMENTS OR SPECIFICATIONS OF THE TOWN OF MEDWAY DPW.

AT ALL LOCATIONS WHERE EXISTING CURBING OR PAVEMENT ABUTS NEW CONSTRUCTION, THE EDGE OF THE EXISTING CURB OR PAVEMENT SHALL BE SAW CUT TO A CLEAN, SMOOTH EDGE. BLEND NEW PAVEMENT, CURBS AND EARTHWORK SMOOTHLY INTO EXISTING BY MATCHING LINES, GRADES AND JOINTS. PITCH EVENLY BETWEEN SPOT GRADES. GRADE ALL AREAS TO DRAIN.

THE CONTRACTOR SHALL VERIFY EXISTING GRADES IN THE FIELD AND REPORT ANY DISCREPANCIES IMMEDIATELY TO THE ENGINEER. THE CONTRACTOR, AND OWNER PER CONTRACT, SHALL MAKE ALL ARRANGEMENTS FOR THE ALTERATION AND ADJUSTMENT OF GAS, ELECTRIC, TELEPHONE AND ANY OTHER PRIVATE UTILITIES BY THE UTILITY COMPANIES, AS REQUIRED. WHERE AN EXISTING UTILITY IS FOUND TO CONFLICT WITH THE PROPOSED WORK, THE LOCATION, ELEVATION AND SIZE OF THE UTILITY SHALL BE ACCURATELY DETERMINED WITHOUT DELAY BY THE CONTRACTOR, AND THE INFORMATION FURNISHED TO THE OWNER AND ENGINEER FOR RESOLUTION.

ALL UTILITY COVERS, GRATES, ETC. SHALL BE ADJUSTED TO BE FLUSH WITH THE PAVEMENT FINISH GRADE UNLESS OTHERWISE NOTED. RIM ELEVATIONS OF DRAINAGE STRUCTURES AND SANITARY SEWER MANHOLES ARE APPROXIMATE.

INSTALL ALL UTILITIES (INCLUDING CONCRETE PADS) PER UTILITY COMPANY AND DPW STANDARDS.

AN EROSION CONTROL BARRIER SHALL BE INSTALLED ALONG THE EDGE OF PROPOSED DEVELOPMENT AS SHOWN ON THE PLAN PRIOR TO THE COMMENCEMENT OF CONSTRUCTION OPERATIONS.

ALL DRAINAGE PIPES SHALL BE SMOOTH WALLED CORRUGATED POLYETHYLENE PIPE (ADS N-12 OR APPROVED EQUAL) EXCEPT WHERE NOTED OTHERWISE.

ALL SANITARY PIPE SHALL BE SDR-35 PVC UNLESS OTHERWISE NOTED.

INSULATE SANITARY PIPES WHERE DEPTH OF EARTH COVER IS LESS THAN FOUR (4) FEET BELOW FINISHED GRADE.

CONTRACTOR SHALL PROTECT ALL UNDERGROUND DRAINAGE, SEWER AND UTILITY FACILITIES FROM EXCESSIVE VEHICULAR LOADS DURING CONSTRUCTION. ANY DAMAGE TO THESE FACILITIES RESULTING FROM CONSTRUCTION LOADS WILL BE RESTORED TO ORIGINAL CONDITION.

ALL WATER WORKS SHALL CONFORM TO TOWN OF MEDWAY DPW, WATER DIVISION SPECIFICATIONS, DETAILS, RULES AND REGULATIONS AND HAVE FIVE (5) FEET OF MINIMUM COVER. GAS, ELECTRIC, TELEPHONE AND FIRE ALARM CONNECTION LOCATIONS AND ROUTING ARE SUBJECT TO REVIEW AND APPROVAL BY APPROPRIATE UTILITY COMPANIES AND FIRE DEPARTMENT.

ABANDON EXISTING UTILITY SERVICES ON SITE ACCORDING TO UTILITY COMPANY AND TOWN OF MEDWAY REQUIREMENTS. UNLESS OTHERWISE INDICATED, ABANDONED EXISTING UTILITY LINES SHALL BE CAPPED AND ABANDONED IN PLACE UNLESS THEY CONFLICT WITH PROPOSED IMPROVEMENTS. CAP REMAINING PORTIONS WHERE PARTIALLY REMOVED.

THE CONTRACTOR SHALL REMOVE ALL EROSION CONTROL BARRIERS AFTER REVEGETATION OF DISTURBED AREAS AND AFTER APPROVAL OF THE CONSERVATION COMMISSION AND WETLAND SPECIALIST.

ALL WATER UTILITY IMPROVEMENTS SHALL COMPLY WITH THE AMERICAN WATERWORKS ASSOCIATION STANDARDS AND THE TOWN OF MEDWAY WATER DEPARTMENT SPECIFICATIONS.

RIP RAP APRONS SHALL BE INSTALLED AT THE OUTLETS FOR ALL CULVERTS.

EXCEPT AS DEFINED IN THE NOTICE OF INTENT APPLICATION, WETLANDS ARE TO REMAIN UNDISTURBED. NO ENCROACHMENT PERMITTED.

EXCAVATION REQUIRED WITHIN THE PROXIMITY OF EXISTING UTILITY LINES OR STRUCTURES INCURRED DURING CONSTRUCTION OPERATIONS AT NO COST TO THE OWNER.

STOCKPILED TOPSOIL SHALL BE PLACED NEATLY IN AN AREA INDICATED BY THE OWNER AND IN ACCORDANCE WITH THE LAYDOWN AND PARKING AREAS PER THE CONTRACT.

PITCH EVENLY BETWEEN SPOT GRADES. ALL PAVED AREAS MUST PITCH TO DRAIN AT A MINIMUM OF 1/8" PER FOOT UNLESS SPECIFIED. ANY DISCREPANCIES NOT ALLOWING THIS MINIMUM PITCH SHALL BE REPORTED TO THE ENGINEER PRIOR TO CONTINUING WORK.

THE CONTRACTOR SHALL SCHEDULE HIS WORK TO ALLOW THE FINISHED SUBGRADE ELEVATIONS TO DRAIN PROPERLY WITHOUT PUDDLING. SPECIFICALLY, ALLOW WATER TO ESCAPE WHERE PROPOSED CURB MAY RETAIN RUNOFF PRIOR TO APPLICATION OF THE FINISH SUBGRADE AND/OR SURFACE PAVING. PROVIDE TEMPORARY POSITIVE DRAINAGE AS REQUIRED.

FOR PLANTING NOTES, PLANTING SCHEDULE AND LIGHTING SCHEDULE, SEE SHEET C7.2.

LEGEND AND ABBREVIATIONS

EXISTING	PROPOSED
	S
	FM
	D
	UD
	CB
	FE
	G
	W
	HYD
	PIV
	FP
	T
	E
	OHW
	UP
	S
	P
	B
	HH
	CLF
	X
	CC
	GC
	BCB
	ECB

SEWER LINE/MANHOLE
SEWER FORCE MAIN
DRAIN LINE/MANHOLE
UNDER DRAIN LINE
CATCH BASIN
FLARED END/INVERT
GAS LINE/GATE
WATER LINE/GATE
HYDRANT
POST INDICATOR VALVE
FIRE PROTECTION
TELEPHONE LINE/MANHOLE
ELECTRIC LINE/MANHOLE
OVERHEAD WIRE
LIGHT POLE
UTILITY POLE
GUY WIRE
SIGN
POST
BOLLARD POST
HAND HOLE
CHAIN LINK FENCE
GUARDRAIL/GUIDERAIL
CONCRETE CURB
GRANITE CURB
BITUMINOUS CONCRETE BERM
TREE
TREE LINE
STONE WALL
RIPRAP

BUILDING
No. of PARKING SPACES IN ROW
BOUNDARY OF BORDERING
VEGETATED WETLAND
APPROXIMATE BOUNDARY OF
BORDERING VEGETATED WETLAND
APPROXIMATE GPS BOUNDARY OF
BORDERING VEGETATED WETLAND
BANK/BANK FLAG
POTENTIAL VERNAL POOL/FLAG
100-YEAR FLOOD ELEVATION
EROSION CONTROL BARRIER

EXISTING	PROPOSED
	AD
	BIT CONC
	BM
	CCB
	CATV
	CADI
	CCMC
	CONC
	CMP
	CPE
	D
	DCB
	DI
	EM
	EOP
	GM
	HW
	LD
	OCS
	POB
	PVC
	RCP
	RD
	ROW
	SGC
	TRANSF
	WQI
	WW

100' BUFFER ZONE
MINOR CONTOUR
MAJOR CONTOUR
SPOT ELEVATION
EDGE OF WATER
AREA DRAIN
BITUMINOUS CONCRETE
BENCHMARK
CAPE COD BERM
CABLE TELEVISION
CEMENT LINED DUCTILE IRON
CONCRETE
CORRUGATED METAL PIPE
CORRUGATED POLYETHYLENE
DOOR
DOUBLE CATCH BASIN
DROP INLET
ELECTRIC METER
EDGE OF PAVEMENT
GAS METER
HEAD WALL
LOADING DOCK
OUTLET CONTROL STRUCTURE
POINT OF BEGINNING
POLYVINYL CHLORIDE
REINFORCED CONCRETE PIPE
ROOF DRAIN
RIGHT-OF-WAY
SLOPED GRANITE CURB
ELECTRIC TRANSFORMER
WATER QUALITY INLET
WING WALL
STONE BOUND
CONCRETE BOUND
DRILL HOLE
IRON PIN/IRON PIPE
IRON ROD
FOUND
ESCUTCHEON PIN, LEAD PLUG
LAND COURT DISK
MASSACHUSETTS HIGHWAY BOUND
STONE BOUND (TO BE SET)
CONCRETE BOUND (TO BE SET)
STAKE AND NAIL
SPIKE
PK NAIL

ZONING TABLE

ZONING CLASSIFICATION	Agricultural Residential II & Industrial II			
ASSESSORS MAP#, BLOCK# AND LOT#	MAP 56, LOTS 001, 002, 003 & 004 MAP 66, LOTS 012 & 013			
	*REQUIRED	EXISTING	CHANGE	TOTAL
USE		POWER PLANT	No Change	POWER PLANT
LOT AREA	20,000 SF	4,096,923± SF (94.05± AC)	No Change	4,096,923± SF (94.05± AC)
CONTINUOUS FRONTAGE	NA	1,050'± SUMMER STREET 1,583'± & 1,037'± WEST STREET	No Change	1,050'± SUMMER STREET 1,583'± & 1,037'± WEST STREET
LOT WIDTH	100'	>1,000'±	No Change	>1,000'±
FRONT YARD SETBACK (ft)	30'	32'±	No Change	32'±
SIDE YARD SETBACK (ft)	20'	169'±	No Change	169'±
REAR YARD SETBACK (ft)	30'	N/A	No Change	N/A
MAXIMUM BUILDING HEIGHT (ft)	40'	65'± (Stack) 27'± (Tank) 40'± (Building)	160'± (Stack) 40'± (Tank) 40'± (Building) 55'± (Sound Wall)	160'± (Stack) 40'± (Tank) 40'± (Building) 55'± (Sound Wall)
LOT COVERAGE	40%	0.7% (0.66± Ac)	0.5% (0.45± Ac)	1.2% (1.11± Ac)
GROSS FLOOR AREA (sf)		20,000±	23,947	43,947±
NUMBER OF EMPLOYEES		12	6	18
PARKING SPACES		35	+17	52

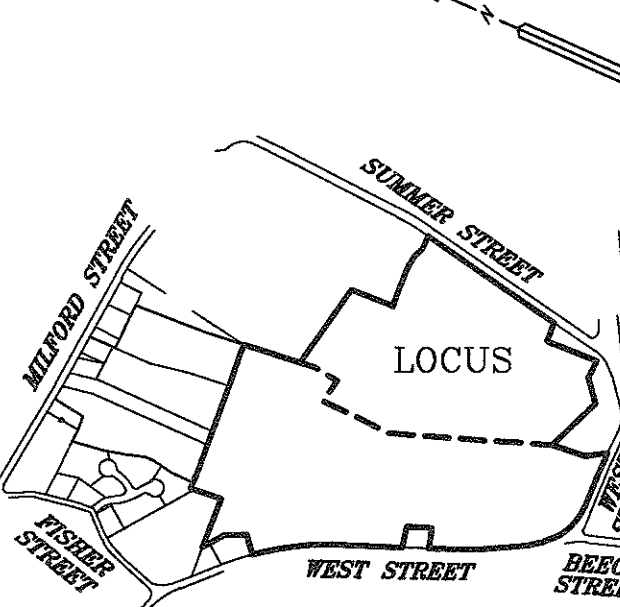
*REQUIRED BASED UPON INDUSTRIAL II REQUIREMENTS SINCE THE PROPOSED DEVELOPMENT IS SITED ENTIRELY WITHIN THIS DISTRICT

PREPARED FOR:

**Exelon West
Medway, LLC and
Exelon West
Medway II, LLC**

300 Exelon Way
Kennett Square, PA 19348

LOCUS MAP
NOT TO SCALE



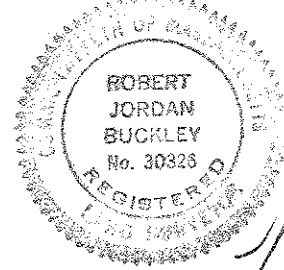
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PREPARED BY:

BEALS + THOMAS
Civil Engineers + Landscape Architects +
Land Surveyors + Planners +
Environmental Specialists

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144 Turnpike Road
Southborough, Massachusetts 01772-2104
T 508.366.0560 | www.btiweb.com



5		
4		
3	08/17/2016	FOR ENDORSEMENT
2	06/17/2016	GENERAL REVISIONS
1	04/21/2016	FOR DATE ONLY
0	02/09/2016	FIRST ISSUE
ISSUE DATE		DESCRIPTION
DES	DWN	CHK'D APP'D

PROJECT:

**WEST MEDWAY II
FACILITY**
MEDWAY, MASSACHUSETTS

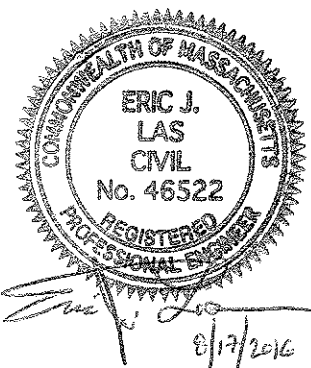
SCALE: AS NOTED DATE: FEBRUARY 09, 2016

NOTES, REFERENCES
AND LEGEND

B+T JOB NO. 1422.10

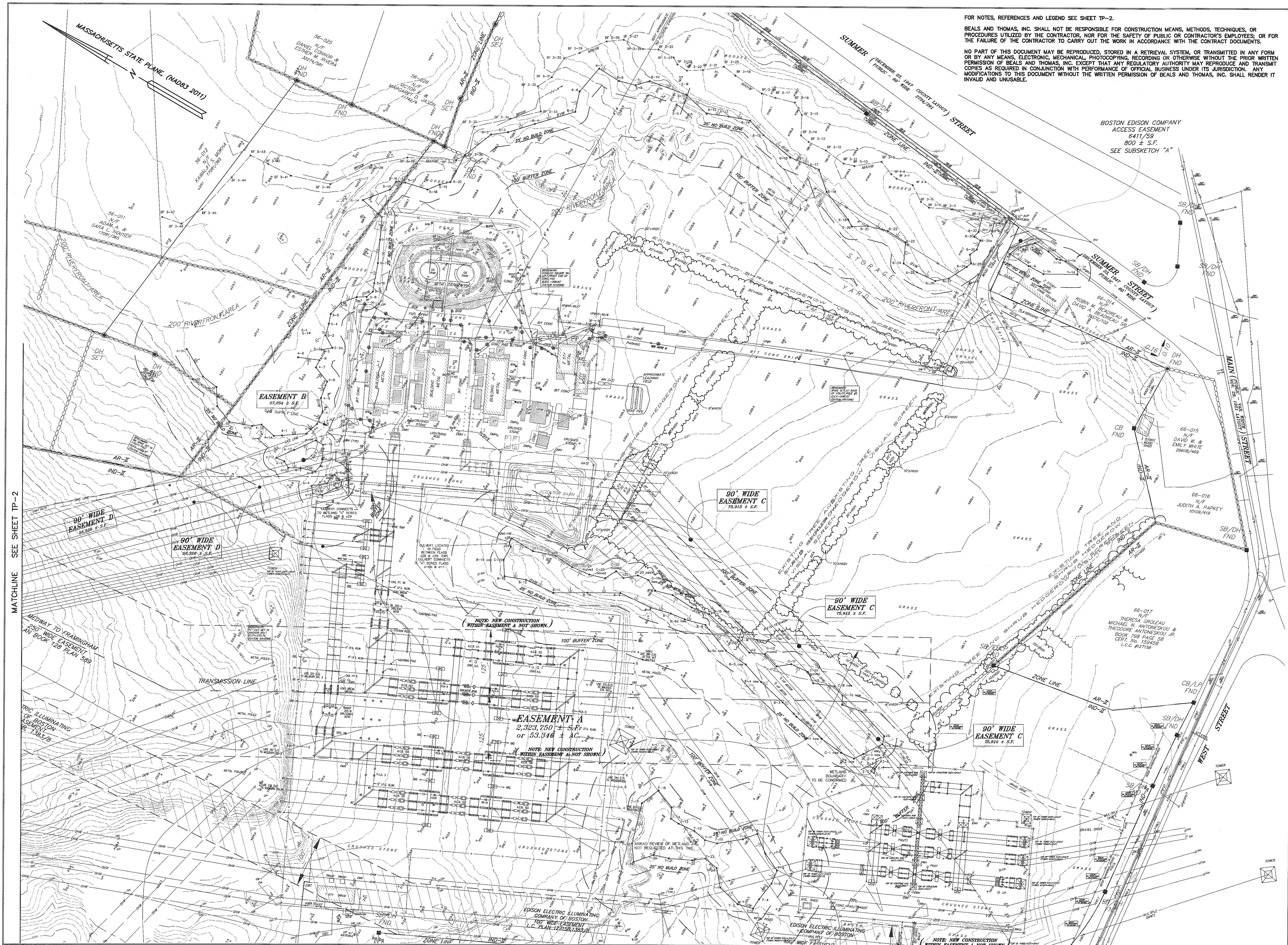
B+T PLAN NO.
142210P015D-002

C11



BEALS AND THOMAS, INC. SHALL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, OR PROCEDURES UTILIZED BY THE CONTRACTOR, NOR FOR THE SAFETY OF PUBLIC OR CONTRACTOR'S EMPLOYEES, OR FOR THE FAILURE OF THE CONTRACTOR TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

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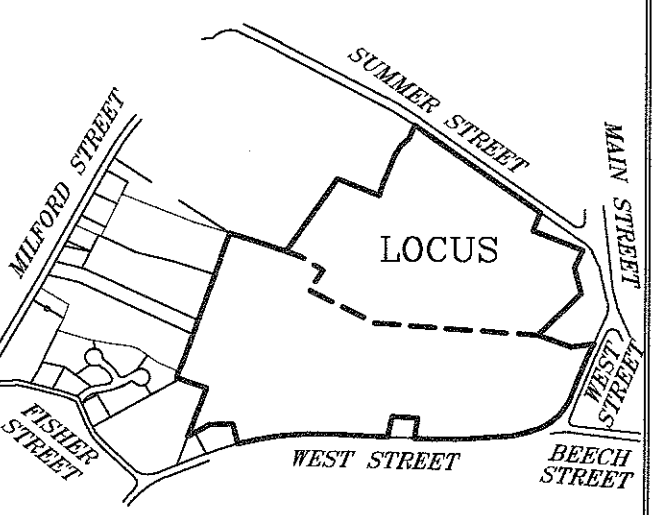
BOSTON EDISON COMPANY
ACCESS EASEMENT
6411/59
800 ± S.F.
SEE SUBSKETCH "A"

PREPARED FOR:

**Exelon West
Medway, LLC and
Exelon West
Medway II, LLC**

300 Exelon Way
Kennett Square, PA 19348

LOCUS MAP
NOT TO SCALE



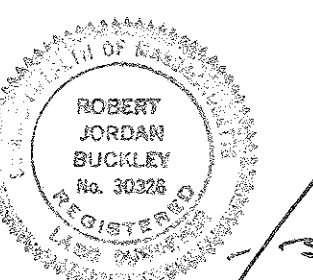
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8/17/16

08/17/2016	FOR ENDORSEMENT		
06/17/2016	GENERAL REVISIONS		
04/21/2016	GENERAL REVISIONS		
02/09/2016	FIRST ISSUE		
ISSUE DATE	DESCRIPTION		
DES	DWN	CHK'D	APP'D

PROJECT:

**WEST MEDWAY II
FACILITY**
MEDWAY, MASSACHUSETTS

SCALE: 1" = 80' DATE: FEBRUARY 09, 2016
METERS
0 10 25 50
FEET
0 40 80 160 240

TOPOGRAPHIC PLAN

B+T JOB NO. 1422.10

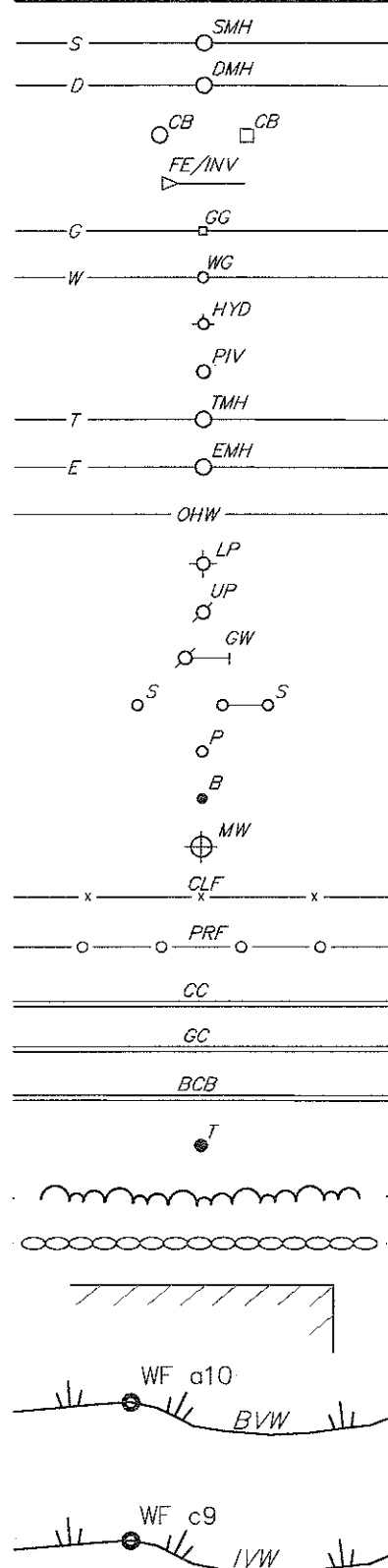
B+T PLAN NO.
142210P016D-001

TP-1

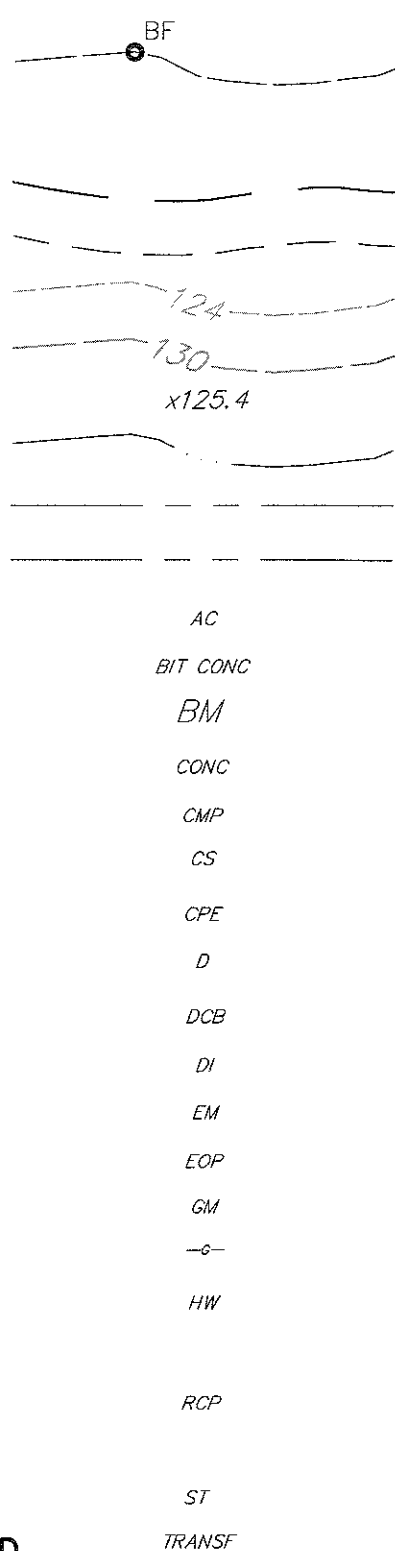


MATCHLINE SEE SHEET TP-1

LEGEND



SEWER LINE/MANHOLE
DRAIN LINE/MANHOLE
CATCH BASIN
FLARED END/INVERT
GAS LINE/GATE
WATER LINE/GATE
HYDRANT
POST INDICATOR VALVE
TELEPHONE LINE/MANHOLE
ELECTRIC LINE/MANHOLE
OVERHEAD WIRE
LIGHT POLE
UTILITY POLE
GUY WIRE
SIGN
POST
BOLLARD POST
MONITORING WELL
CHAIN LINK FENCE
POST AND RAIL FENCE
CONCRETE CURB
GRANITE CURB
BITUMINOUS CONCRETE BERM
TREE
TREE LINE
STONE WALL
BUILDING
BOUNDARY OF BORDERING
VEGETATED WETLAND PROVIDED BY
EPSILON ASSOCIATES JUNE, 2014.
BOUNDARY OF ISOLATED VEGETATED
WETLAND PROVIDED BY EPSILON
ASSOCIATES JUNE, 2014.



TOP OF INLAND BANK/MEAN
ANNUAL HIGH WATER FLAG
PROVIDED BY EPSILON
ASSOCIATES JUNE, 2014.
100' BUFFER ZONE
200' RIVERFRONT AREA
MINOR CONTOUR
MAJOR CONTOUR
SPOT ELEVATION
EDGE OF WATER
LIMIT OF 2014 SURVEY
LIMIT OF 2015 SURVEY
AIR CONDITIONING UNIT
BITUMINOUS CONCRETE
BENCHMARK
CONCRETE
CORRUGATED METAL PIPE
CRUSHED STONE
CORRUGATED POLYETHYLENE
DOOR
DOUBLE CATCH BASIN
DROP INLET
ELECTRIC METER
EDGE OF PAVEMENT
GAS METER
GAS PAINT MARK
HEAD WALL
RECORD DIMENSION
REINFORCED CONCRETE PIPE
SURVEY DIMENSION
STACK
ELECTRIC TRANSFORMER

NOTES

- THIS PLAN WAS PREPARED FROM AN ACTUAL SURVEY MADE ON THE GROUND USING A ZEISS ELTA TOTAL STATION ON OR BETWEEN SEPTEMBER 1998 AND JUNE 3, 2016.
- TOPOGRAPHY BASED IN PART BY AERIAL TOPOGRAPHY BY COL-EAST, INC. DATED AUGUST 1998 AND VARIOUS ON THE GROUND SURVEYS PERFORMED BY BEALS AND THOMAS, INC..
- ALL ELEVATIONS REFER TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
- NAD83 HORIZONTAL COORDINATE SYSTEM ESTABLISHED BY GPS-OPUS METHODS.
- ZONING CLASSIFICATION
AGRICULTURAL-RESIDENTIAL DISTRICT II (AR-II)
INDUSTRIAL DISTRICT (IND-II)
- WETLANDS SHOWN PROVIDED BY EPSILON ASSOCIATES, INC., DELINEATED MAY, JUNE AND OCTOBER 2014, REVISED AUGUST AND OCTOBER, 2015. NOT ALL WETLANDS HAVE BEEN CONFIRMED BY THE MEDWAY CONSERVATION COMMISSION.
- THE PARCEL SHOWN IS NOT LOCATED WITHIN A SPECIAL FLOOD HAZARD AS SHOWN ON "FLOOD INSURANCE RATE MAP NORFOLK COUNTY, MASSACHUSETTS (ALL JURISDICTIONS)" PANEL 139 OF 430, MAP NUMBER 25021C0139E EFFECTIVE DATE JULY 17, 2012.
- RECORD UTILITIES SHOWN TAKEN FROM PLANS ENTITLED:
"MAIN STREET AND WEST STREET WATER MAIN AND STORMWATER IMPROVEMENTS DATED FEBRUARY 2013 PREPARED BY WESTON AND SAMPSON" AND
"MAIN STREET AND WEST STREET MEDWAY INDUSTRIAL PARK SEWER EXTENSION DATED MAY 12, 2008, LAST REVISED FEBRUARY 15, 2008 AND PREPARED BY TATA & HOWARD INCORPORATED."
- UNDERGROUND UTILITY INFORMATION BASED ON GROUND PENETRATING RADAR (GPR) PERFORMED BY OHI ENGINEERING, INC. IN JUNE 2016. PAINT MARKS LOCATED BY BEALS AND THOMAS, INC.

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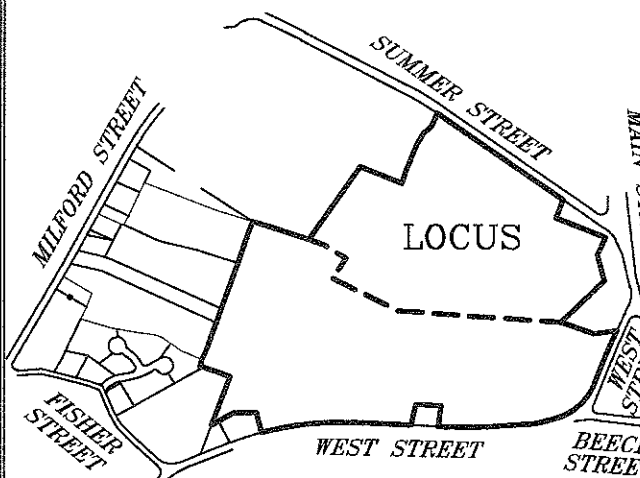
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PREPARED FOR:

**Exelon West
Medway, LLC and
Exelon West
Medway II, LLC**

300 Exelon Way
Kennett Square, PA 19348

LOCUS MAP
NOT TO SCALE



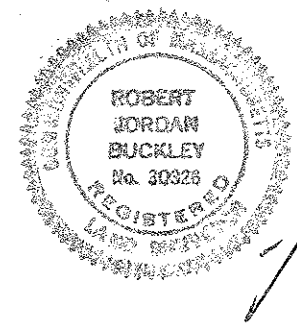
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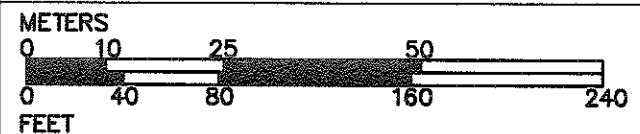


5		
4		
3	08/17/2016	FOR ENDORSEMENT
2	06/17/2016	GENERAL REVISIONS
1	04/21/2016	GENERAL REVISIONS
0	02/09/2016	FIRST ISSUE
ISSUE DATE		DESCRIPTION
DES	DWN	CHK'D APP'D

PROJECT:

**WEST MEDWAY II
FACILITY**
MEDWAY, MASSACHUSETTS

SCALE: N/A DATE: FEBRUARY 09, 2016



TOPOGRAPHIC PLAN

B+T JOB NO. 1422.10

B+T PLAN NO.
142210P016D-002

TP-2

SITE PREPARATION LEGEND

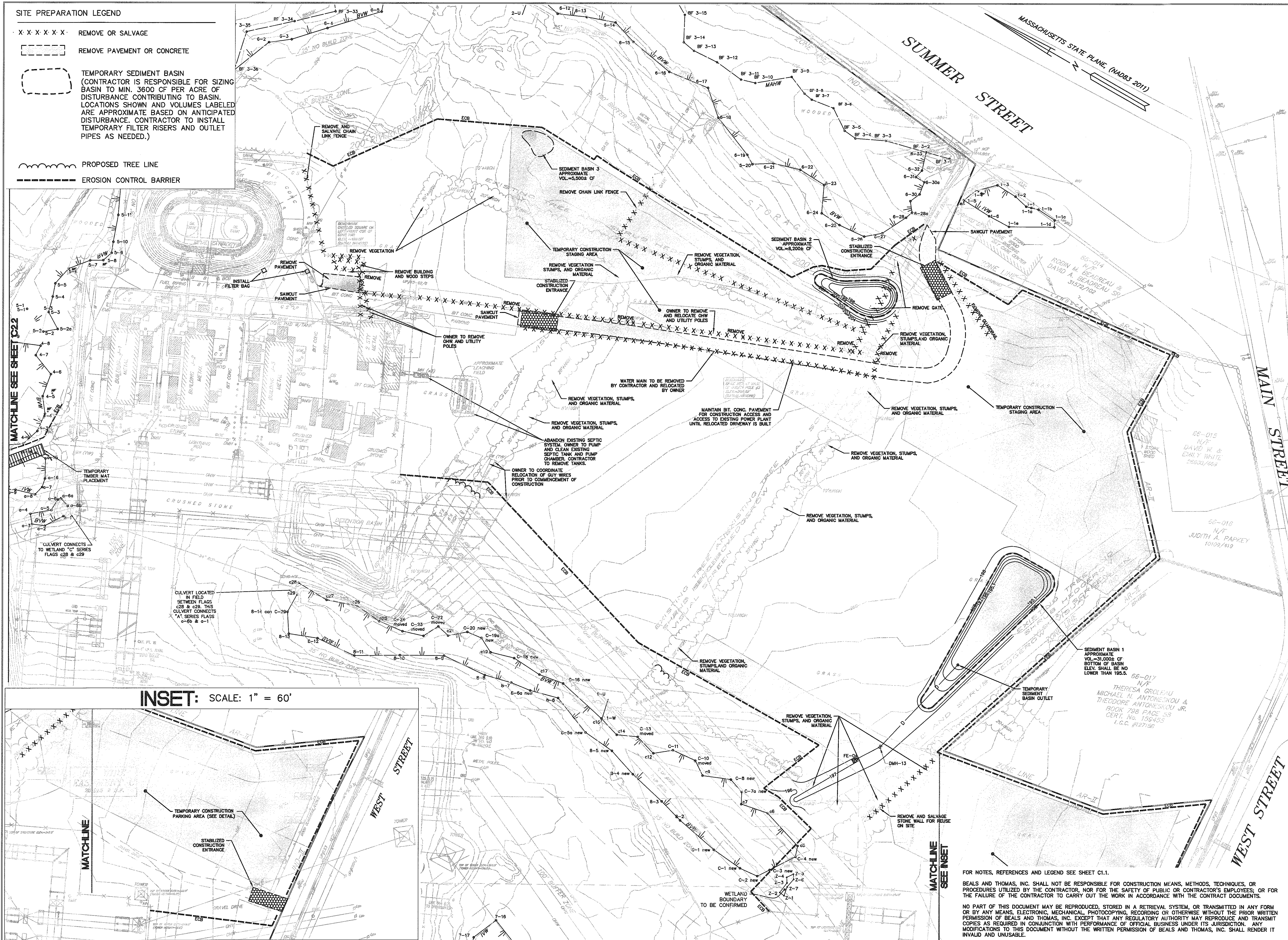
X X X X X X REMOVE OR SALVAGE

REMOVE PAVEMENT OR CONCRETE

TEMPORARY SEDIMENT BASIN
(CONTRACTOR IS RESPONSIBLE FOR SIZING BASIN TO MIN. 3600 CF PER ACRE OF DISTURBANCE CONTRIBUTING TO BASIN. LOCATIONS SHOWN AND VOLUMES LABELED ARE APPROXIMATE BASED ON ANTICIPATED DISTURBANCE. CONTRACTOR TO INSTALL TEMPORARY FILTER RISERS AND OUTLET PIPES AS NEEDED.)

PROPOSED TREE LINE

EROSION CONTROL BARRIER



INSET: SCALE: 1" = 60'

FOR NOTES, REFERENCES AND LEGEND SEE SHEET C1.1.

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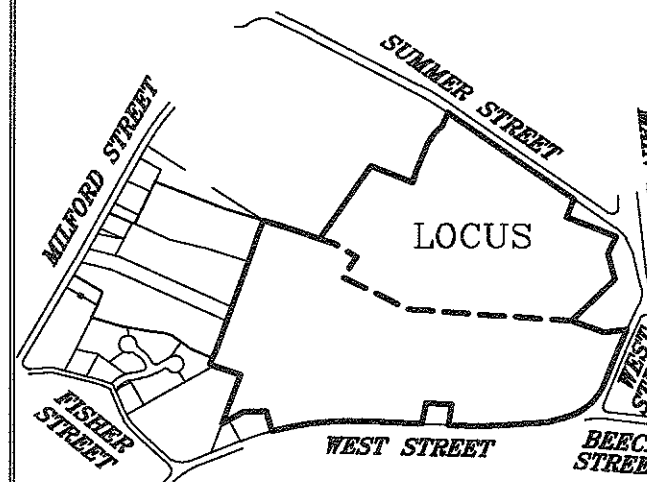
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LOCUS MAP
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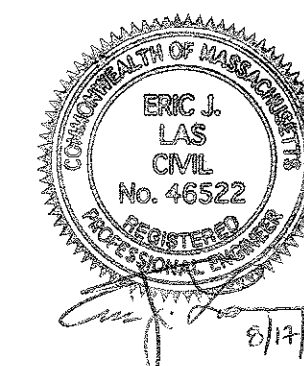
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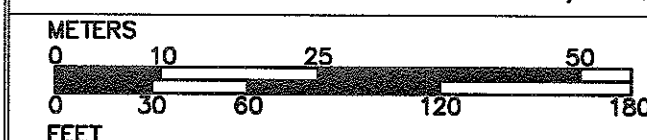


5		
4		
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DES	DWN	CHK'D APP'D

PROJECT:

**WEST MEDWAY II
FACILITY**
MEDWAY, MASSACHUSETTS

SCALE: 1" = 60' DATE: FEBRUARY 09, 2016

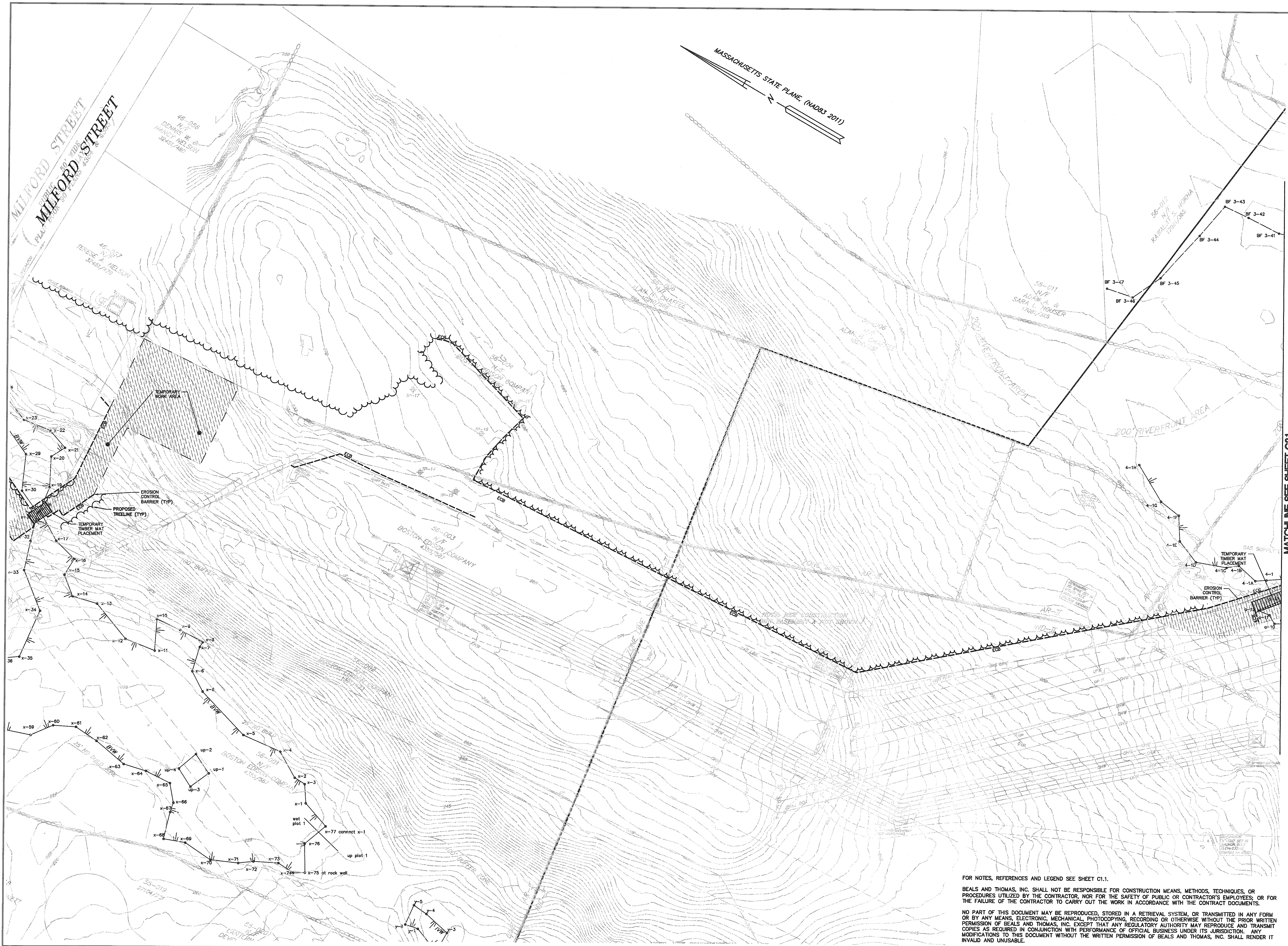


**SITE PREPARATION
AND EROSION
CONTROL PLAN**

B+T JOB NO. 1422.10

B+T PLAN NO.
142210P017D-001

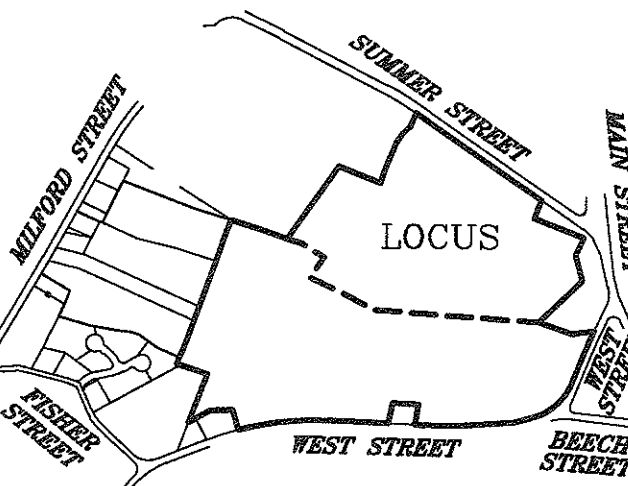
C2.1



**Exelon West
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Exelon West
Medway II, LLC**

300 Exelon Way
Kennett Square, PA 19348

LOCUS MAP
NOT TO SCALE



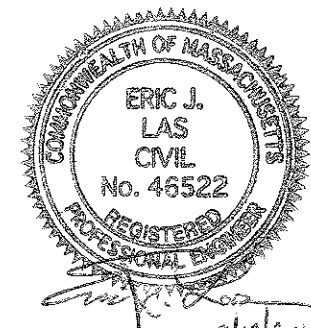
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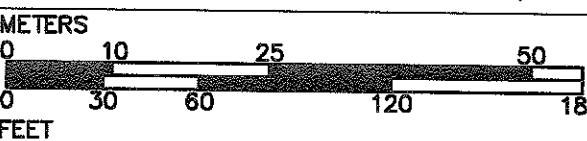


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06/17/2016	GENERAL REVISIONS		
04/21/2016	FIRST ISSUE		
ISSUE DATE		DESCRIPTION	
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PROJECT:

**WEST MEDWAY II
FACILITY**
MEDWAY, MASSACHUSETTS

SCALE: 1" = 60' DATE: FEBRUARY 09, 2016

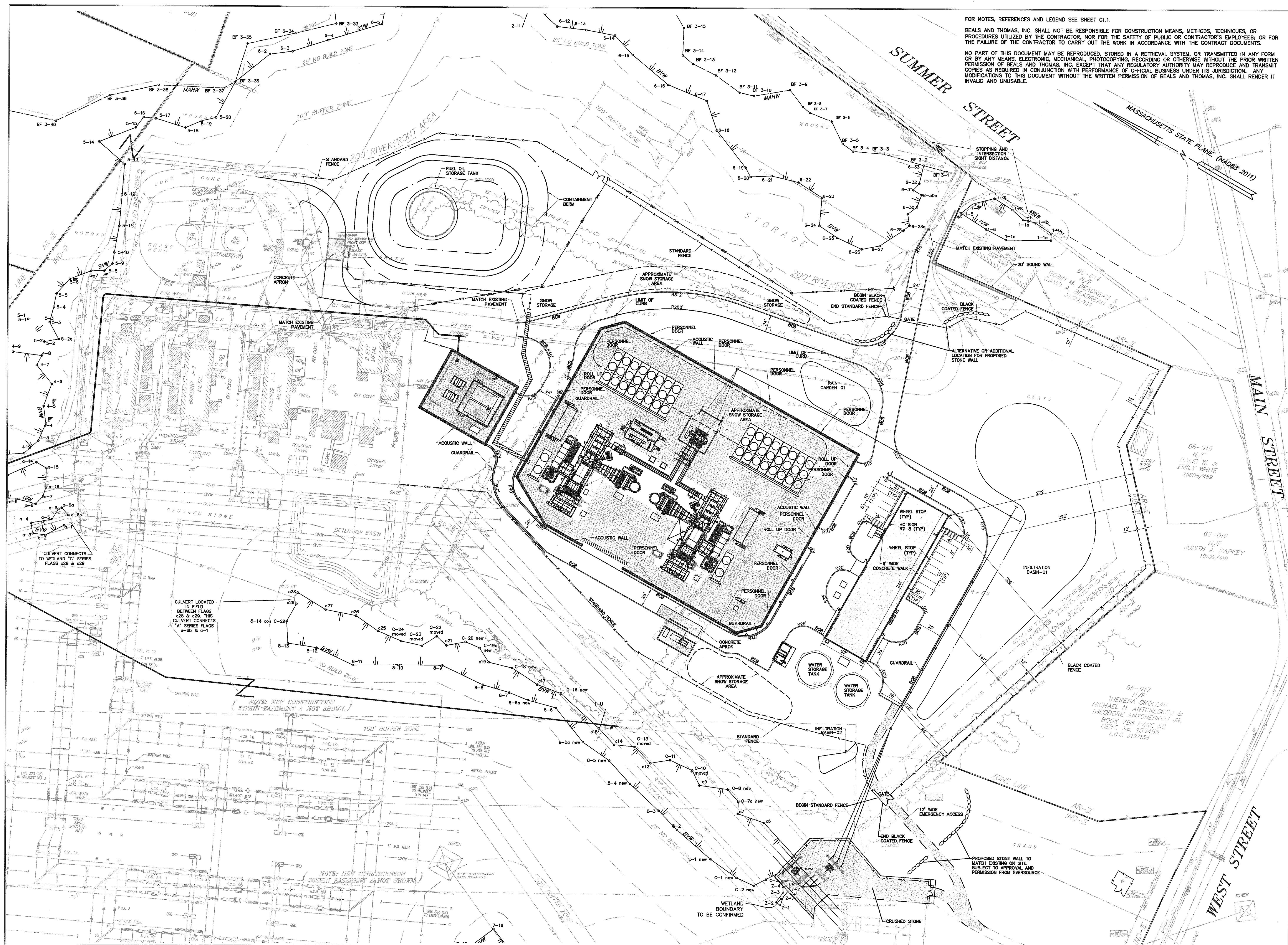


**SITE PREPARATION
AND EROSION
CONTROL PLAN**

B-T JOB NO. 1422.10

B-T PLAN NO.
142210P017D-006

C2.2



FOR NOTES, REFERENCES AND LEGEND SEE SHEET C1.1.

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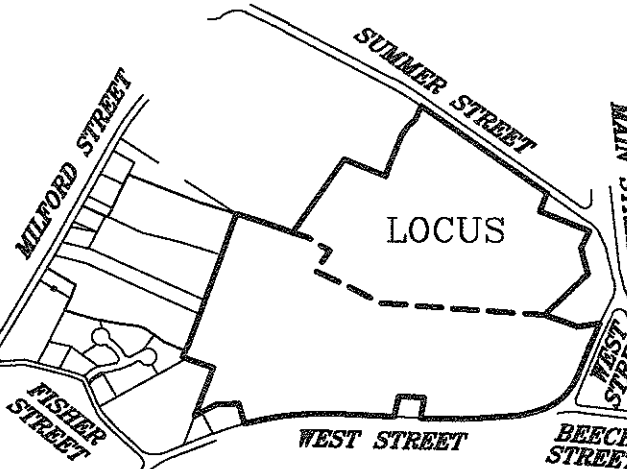
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Exelon West
Medway II, LLC**

300 Exelon Way
Kennett Square, PA 19348

LOCUS MAP
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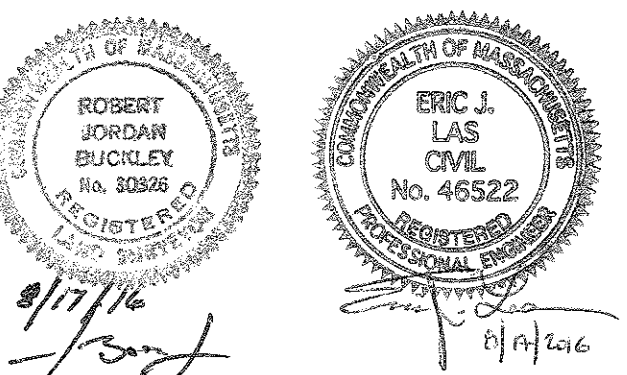
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		APP'D

PROJECT:

**WEST MEDWAY II
FACILITY**

MEDWAY, MASSACHUSETTS

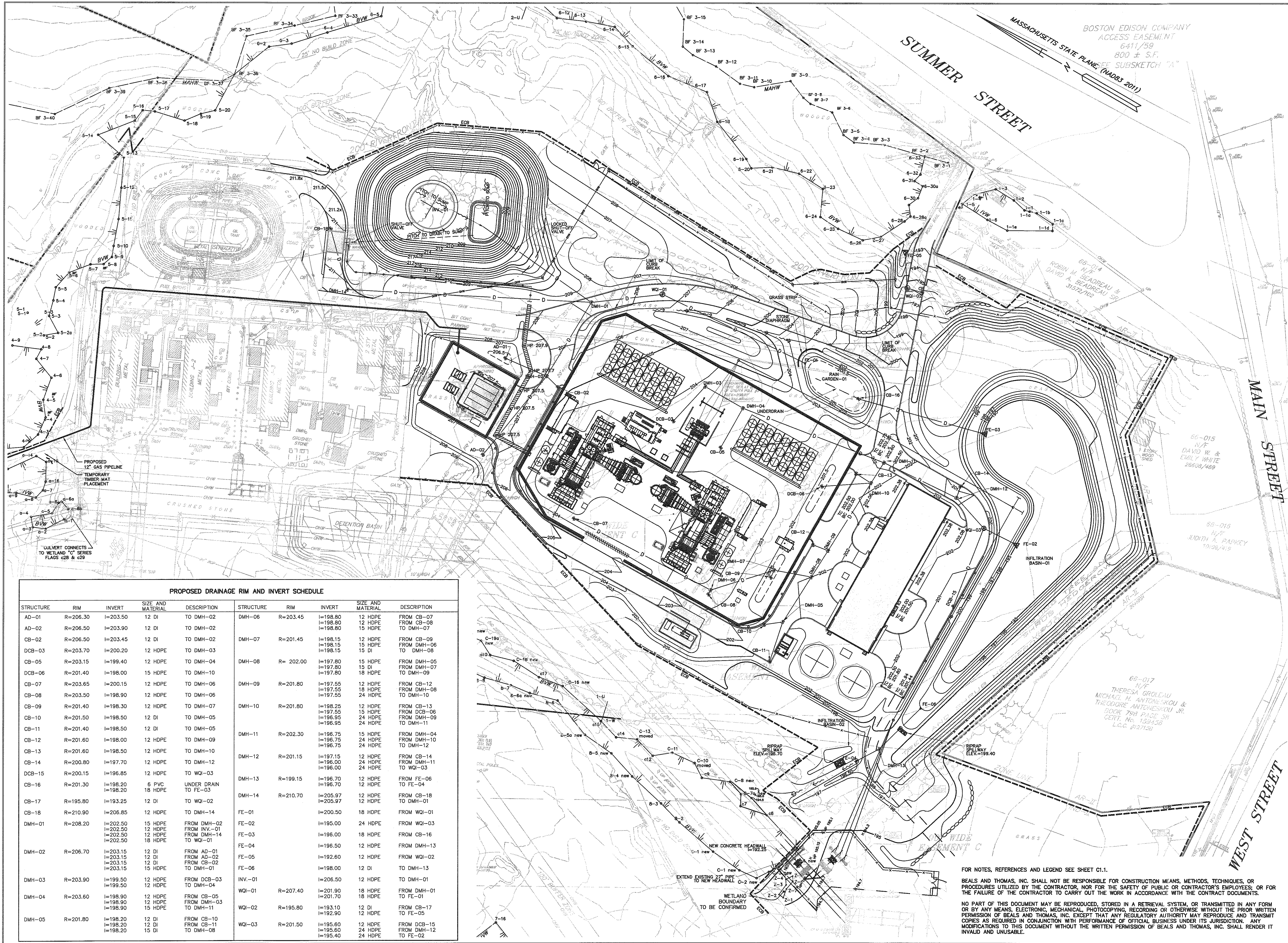
SCALE: 1" = 60' DATE: FEBRUARY 09, 2016

METERS
0 10 25 50
0 30 60 120 180
FEET

**LAYOUT AND
MATERIALS PLAN**

B+T JOB NO. 1422.10
B+T PLAN NO. 142210P017D-002

C3.1



PROPOSED DRAINAGE RIM AND INVERT SCHEDULE								
STRUCTURE	RIM	INVERT	SIZE AND MATERIAL	DESCRIPTION	STRUCTURE	RIM	INVERT	DESCRIPTION
AD-01	R=206.30	I=203.50	12 DI	TO DMH-02	DMH-06	R=203.45	I=198.80	12 HDPE FROM CB-07
AD-02	R=206.50	I=203.90	12 DI	TO DMH-02			I=198.80	12 HDPE FROM CB-08
CB-02	R=206.50	I=203.45	12 DI	TO DMH-02			I=198.80	15 HDPE TO DMH-07
DCB-03	R=203.70	I=200.20	12 HDPE	TO DMH-03	DMH-07	R=201.45	I=198.15	12 HDPE FROM CB-09
CB-05	R=203.15	I=199.40	12 HDPE	TO DMH-04			I=198.15	15 HDPE FROM DMH-06
DCB-06	R=201.40	I=198.00	15 HDPE	TO DMH-10			I=198.15	15 DI TO DMH-08
CB-07	R=203.65	I=200.15	12 HDPE	TO DMH-06	DMH-08	R= 202.00	I=197.80	15 HDPE FROM DMH-05
CB-08	R=203.50	I=198.90	12 HDPE	TO DMH-06			I=197.80	15 DI FROM DMH-07
CB-09	R=201.40	I=198.30	12 HDPE	TO DMH-07			I=197.80	18 HDPE TO DMH-09
CB-10	R=201.50	I=198.50	12 DI	TO DMH-05	DMH-09	R=201.80	I=197.55	12 HDPE FROM CB-12
CB-11	R=201.40	I=198.50	12 DI	TO DMH-05			I=197.55	18 HDPE FROM DMH-08
CB-12	R=201.60	I=198.00	12 HDPE	TO DMH-09			I=197.55	24 HDPE TO DMH-10
CB-13	R=201.60	I=198.50	12 HDPE	TO DMH-10	DMH-10	R=201.80	I=198.25	12 HDPE FROM CB-13
CB-14	R=200.80	I=197.70	12 HDPE	TO DMH-12			I=197.55	15 HDPE FROM DCB-06
DCB-15	R=200.15	I=196.85	12 HDPE	TO WQI-03			I=196.95	24 HDPE FROM DMH-09
CB-16	R=201.30	I=198.20	6 PVC	UNDER DRAIN TO FE-03			I=196.95	24 HDPE TO DMH-11
CB-17	R=195.80	I=193.25	12 DI	TO WQI-02	DMH-11	R=202.30	I=196.75	15 HDPE FROM DMH-04
CB-18	R=210.90	I=206.85	12 HDPE	TO DMH-14			I=196.75	24 HDPE FROM DMH-10
DMH-01	R=208.20	I=202.50	12 HDPE	FROM DMH-02	DMH-12	R=201.15	I=197.15	12 HDPE FROM CB-14
		I=202.50	12 HDPE	FROM INV.-01			I=196.00	24 HDPE FROM DMH-11
		I=202.50	12 HDPE	FROM DMH-14	DMH-13	R=199.15	I=196.70	12 HDPE TO WQI-03
		I=202.50	18 HDPE	TO WQI-01			I=196.70	12 HDPE FROM FE-06
DMH-02	R=206.70	I=203.15	12 DI	FROM AD-01	DMH-14	R=210.70	I=205.97	12 HDPE TO FE-04
		I=203.15	12 DI	FROM AD-02			I=205.97	12 HDPE FROM CB-18
		I=203.15	12 DI	FROM CB-02	FE-01		I=200.50	18 HDPE TO DMH-01
		I=203.15	15 HDPE	TO DMH-01			I=200.50	18 HDPE FROM WQI-01
DMH-03	R=203.90	I=199.50	12 HDPE	FROM DCB-03	FE-02		I=195.00	24 HDPE FROM WQI-03
		I=199.50	12 HDPE	TO DMH-04			I=195.00	18 HDPE FROM CB-16
DMH-04	R=203.60	I=198.90	12 HDPE	FROM CB-05	FE-03		I=196.50	12 HDPE FROM DMH-13
		I=198.90	15 HDPE	FROM DMH-03			I=192.60	12 HDPE FROM WQI-02
		I=198.90	15 HDPE	TO DMH-11	FE-04		I=198.00	12 DI FROM DMH-13
DMH-05	R=201.80	I=198.20	12 DI	FROM CB-10	INV.-01		I=206.50	12 HDPE TO DMH-01
		I=198.20	12 DI	FROM CB-11	WQI-01	R=207.40	I=201.90	18 HDPE FROM DMH-01
		I=198.20	15 DI	TO DMH-08			I=201.70	18 HDPE TO FE-01
		I=198.20	15 DI		WQI-02	R=195.80	I=193.10	12 DI FROM CB-17
		I=198.20	15 DI				I=192.90	12 HDPE TO FE-05
		I=198.20	15 DI		WQI-03	R=201.50	I=195.60	12 HDPE FROM DCB-15
		I=198.20	15 DI				I=195.60	24 HDPE FROM DMH-12
		I=198.20	15 DI				I=195.40	24 HDPE TO FE-02

PREPARED FOR:

**Exelon West
Medway, LLC and
Exelon West
Medway II, LLC**

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Kennett Square, PA 19348

LOCUS MAP
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8/17/16
1/3

8/17/16

DES	DWN	CHK'D	APP'D

PROJECT:

**WEST MEDWAY II
FACILITY**

MEDWAY, MASSACHUSETTS

SCALE: 1" = 60' DATE: FEBRUARY 09, 2016

METERS
0 10 25 50
FEET
0 30 60 120 180

GRADING AND
DRAINAGE PLAN

B+T JOB NO. 1422.10

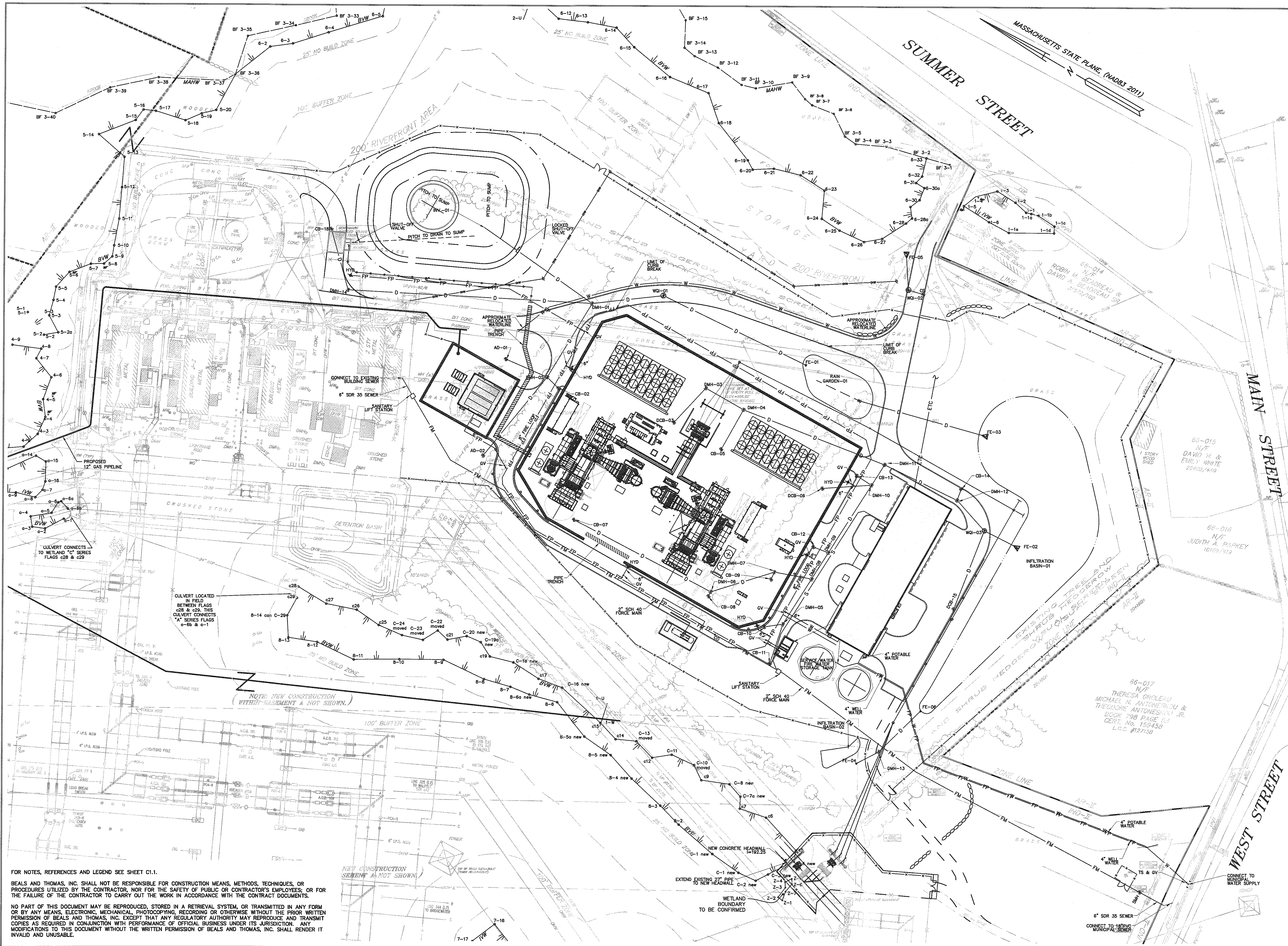
B+T PLAN NO.
142210P017D-004

C4.1

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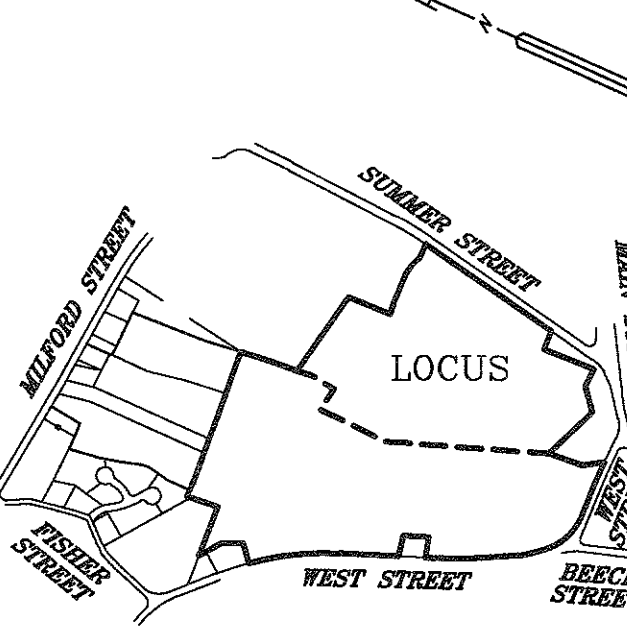
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PREPARED FOR:

**Exelon West
Medway, LLC and
Exelon West
Medway II, LLC**

300 Exelon Way
Kennett Square, PA 19348

LOCUS MAP
NOT TO SCALE



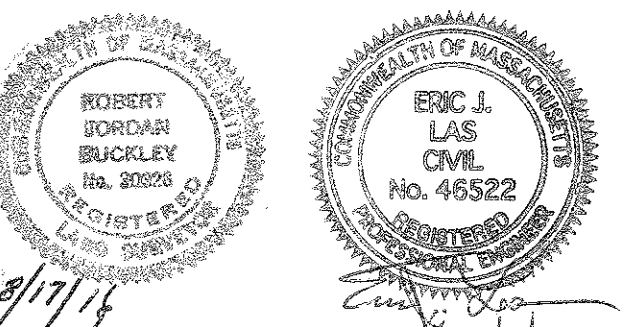
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PREPARED BY:

BEALS + THOMAS
Civil Engineers + Landscape Architects +
Land Surveyors + Planners +
Environmental Specialists

BEALS AND THOMAS, INC.
Reservoir Corporate Center
144 Turnpike Road
Southborough, Massachusetts 01772-2104
T 508.366.0560 | www.btiweb.com

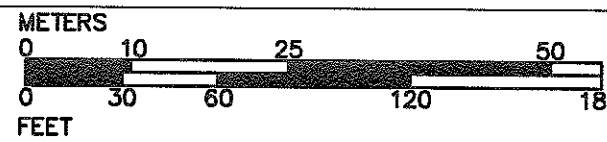


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4	
3	08/17/2016 FOR ENDORSEMENT
2	06/17/2016 GENERAL REVISIONS
1	04/21/2016 GENERAL REVISIONS
0	02/09/2016 FIRST ISSUE
ISSUE DATE DESCRIPTION	
DES	DWN
CHK'D	APP'D

PROJECT:

**WEST MEDWAY II
FACILITY**
MEDWAY, MASSACHUSETTS

SCALE: 1" = 60' DATE: FEBRUARY 09, 2016

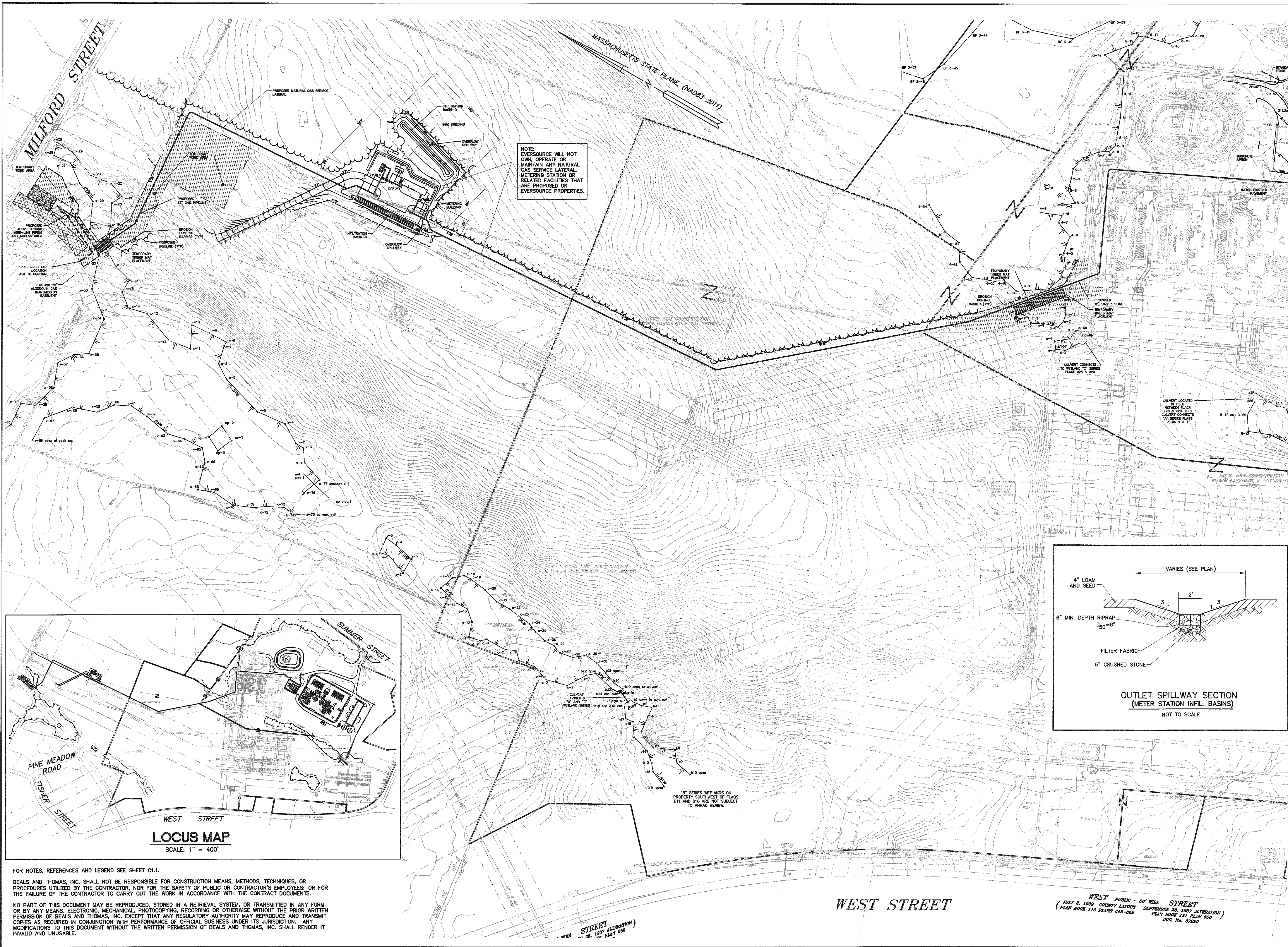


UTILITIES PLAN

B+T JOB NO. 1422.10

B+T PLAN NO.
142210P017D-005

C5.1

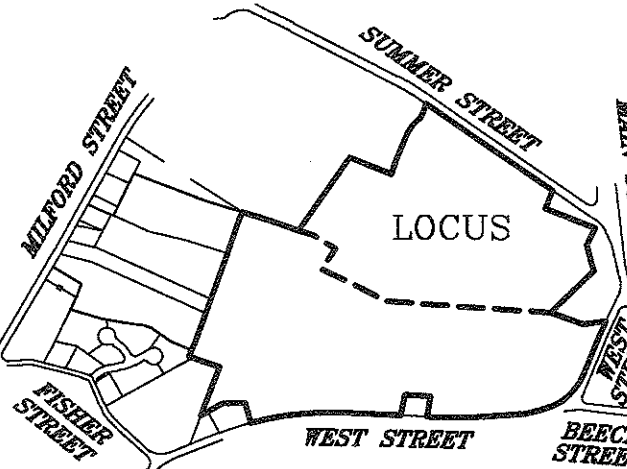


PREPARED FOR:

**Exelon West
Medway, LLC and
Exelon West
Medway II, LLC**

300 Exelon Way
Kennett Square, PA 19348

LOCUS MAP
NOT TO SCALE



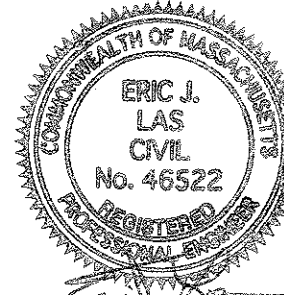
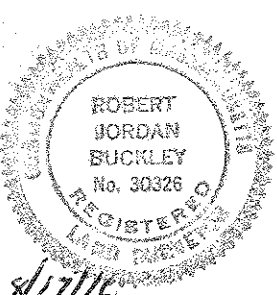
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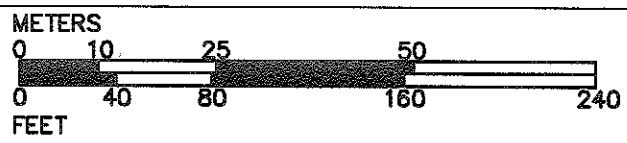


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1	04/21/2016 GENERAL REVISIONS
0	02/09/2016 FIRST ISSUE
ISSUE DATE DESCRIPTION	
DES	DWN
CHK'D	APP'D

PROJECT:

**WEST MEDWAY II
FACILITY**
MEDWAY, MASSACHUSETTS

SCALE: 1" = 80' DATE: FEBRUARY 09, 2016



**NATURAL GAS
PIPELINE
LAYOUT PLAN**

B+T JOB NO. 1422.10

B+T PLAN NO.
142210P017D-003

C6.1

300 Exelon Way
Kennett Square, PA 19348

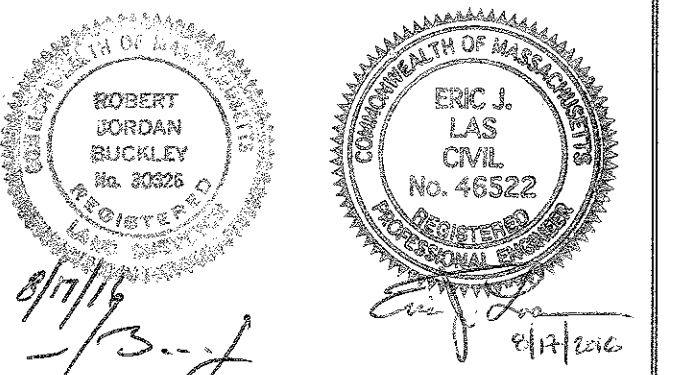
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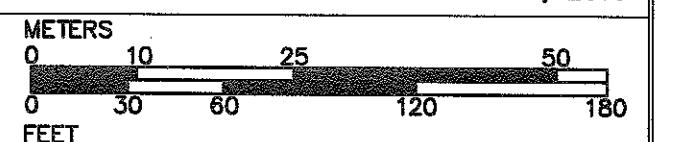
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3	08/17/2016	FOR ENDORSEMENT	
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0	02/09/2016	FIRST ISSUE	
ISSUE DATE		DESCRIPTION	
DES	DWN	CHK'D	APP'D

**WEST MEDWAY II
FACILITY**
MEDWAY, MASSACHUSETTS

SCALE: 1" = 60' DATE: FEBRUARY 09, 2016



LANDSCAPE AND LIGHTING PLAN

B+T PLAN NO.
142210P018D-001

C7.1

[illegible]

PLANTING NOTES

ALL PLANT MATERIAL SHALL CONFORM TO THE MINIMUM GUIDELINES ESTABLISHED BY THE AMERICAN STANDARD FOR NURSERY STOCK PUBLISHED BY THE AMERICAN NURSERY AND LANDSCAPE ASSOCIATION.

ANY PROPOSED SUBSTITUTIONS OF PLANT MATERIAL SHALL BE MADE WITH MATERIAL EQUIVALENT TO THE DESIRED MATERIAL IN OVERALL FORM, HEIGHT, BRANCHING HABIT, FLOWER, LEAF, COLOR, FRUIT AND CULTURE. PROPOSED SUBSTITUTIONS WILL ONLY BE CONSIDERED IF SUBMITTED WITH ENUMERATED REASONS WHY SUBSTITUTIONS ARE PROPOSED.

ALL PLANTING BEDS TO BE FILLED WITH SOIL AND CROWNED ABOVE ADJACENT LAWN OR IMPROVED AREAS. ALL PLANTING BEDS TO BE MULCHED WITH AGED PINE BARK MULCH TO A DEPTH OF THREE (3) INCHES.

CAUTION SHALL BE USED NOT TO EXTEND MULCH LAYER ABOVE SOIL LEVEL AT TRUNKS/STEMS OF INSTALLED PLANT MATERIAL.

PROVIDE FIVE (5) FOOT DIAMETER MULCH CIRCLE AROUND ALL INDIVIDUAL TREE PLANTINGS.

VERIFY ALL EXISTING UTILITY LINES PRIOR TO PLANTING AND REPORT ANY CONFLICTS TO THE OWNER OR HIS REPRESENTATIVE.

NO PLANT SHALL BE PLANTED BEFORE ACCEPTANCE OF ROUGH GRADING.

PLANT MATERIALS SHALL BEAR SAME RELATIONSHIP TO GRADE AS THEY BORE TO GRADE IN THE NURSERY.

ALL PLANT MATERIALS SHALL BE GUARANTEED FOR ONE YEAR FOLLOWING DATE OF FINAL ACCEPTANCE.

LOAM AND SEED ALL DISTURBED AREAS UNLESS OTHERWISE INDICATED.

REGRADE STOCKPILE AREA AFTER REMOVAL OF SURPLUS MATERIALS (SEE SITE WORK SPECIFICATIONS). LOAM AND SEED THE DISTURBED AREA.

TOPSOIL STRIPPED FROM THE SITE AND PROPERLY STOCKPILED PRIOR TO APPLICATION MAY, UPON APPROVAL OF THE ENGINEER, BE USED FOR PREPARATION OF LAWNS AND PLANTING BEDS. IT SHOULD BE FREE OF LARGE (ONE (1) INCH OR GREATER) COBBLES, ROOTS, OLD SO, TRASH, WOOD OR OTHER CONTAMINANTS AND BE OF A FRAGILE CONSISTENCY AND SUITABLE FOR PLANT GROWTH.

THE LANDSCAPE CONTRACTOR SHALL FURNISH TOPSOIL. TOPSOIL SHALL BE FERTILE, FRAGILE, NATURAL AND PRODUCTIVE TOPSOIL OF GOOD CLAY-LOAM TYPE. IT SHALL BE FREE OF WEED SEEDS. TOPSOIL SHALL BE WITHOUT ADMIXTURE OF SUBSOIL AND SHALL BE REASONABLY FREE OF STONES, LUMPS, ROOTS, STICKS AND OTHER FOREIGN MATTER. TOPSOIL SHALL NOT BE WORKED OR APPLIED IN A MUDDY OR WET CONDITION.

PEAT AND ORGANIC MATERIAL STRIPPED FROM AN ALTERED WETLAND IS TO BE PROPERLY STOCKPILED AND USED FOR PREPARATION OF PROPOSED WETLAND AREA. WETLAND SEED SHALL BE FRESH, RECLEANED SEED OF THE LATEST CROP. WETLAND SEED SHALL BE DELIVERED TO THE SITE IN THE ORIGINAL CONTAINERS WHICH SHALL BEAR THE VENDOR'S GUARANTEE OF ANALYSIS.

TOPSOIL SHALL BE SPREAD TO A MINIMUM DEPTH OF FOUR (4) INCHES AFTER SETTING ON ALL STRIPPED PLANTED AREAS INCLUDING SLOPE STABILIZATION, LAWN AREAS AND PLANTING BEDS AFTER FILLS ARE PROPERLY SETTLED AND SUBGRADE HAS BEEN APPROVED BY THE OWNER. THE SETTLED TOPSOIL SHALL BE UP TO THE FINISHED GRADE AS CALLED FOR ON THE DRAWINGS. SCARIFY SUBGRADE TO A DEPTH OF TWO (2) INCHES BEFORE PLACING TOPSOIL.

REMOVE ALL ROCKS AND DEBRIS FROM SOIL SURFACE AND GRADE TO AN EVEN SURFACE.

SPREAD 10-10-10 FERTILIZER AT A RATE OF TWENTY-TWO (22) POUNDS PER ONE THOUSAND (1,000) SQUARE FEET AND INCORPORATE INTO THE SOIL UNIFORMLY.

APPLY DOLOMITIC LIME AT THE RATE OF ONE HUNDRED (100) POUNDS PER ONE THOUSAND (1,000) SQUARE FEET THE AREAS BEING PREPARED FOR PLANTING.

PLANTING SEED SHALL BE SOWN IN SEASONAL CONDITIONS AS APPROPRIATE FOR GOOD SEED SURVIVAL, OR AT SUCH TIMES AS APPROVED BY THE OWNER. PROVIDE SUFFICIENT HOSE AND SPRINKLER HEADS FOR ADEQUATE WATERING TO MAINTAIN A MOIST SEED BED AT ALL TIMES.

PLANTING SEED SHALL BE SOWN EVENLY WITH MECHANICAL SPREADER OR BY HAND AT THE RATE OF SIX (6) POUNDS PER ONE THOUSAND (1,000) SQUARE FEET. ALL SEEDING SHALL BE DONE ON DAYS WHEN THE WIND DOES NOT EXCEED A VELOCITY OF FIVE (5) MILES PER HOUR AND THE SEED SHALL BE DRY.

AFTER SEEDING, THE SURFACE OF THE SOIL SHALL BE EVENLY RAKED WITH A FINE-TOOTHED RAKE AND THEN ROLLED WITH A HAND ROLLER WEIGHING NOT LESS THAN ONE HUNDRED (100) POUNDS PER FOOT OF WIDTH.

STRAW MULCH SHALL BE SPREAD UNIFORMLY OVER ALL SEEDED AREAS AT THE RATE OF TWO (2) BALES PER ONE THOUSAND (1,000) SQUARE FEET.

WATER, MULCH AND SEED BED THOROUGHLY AND IMMEDIATELY AFTER COMPLETION OF MULCHING. SOIL SHALL BE MOISTENED TO A DEPTH OF FOUR (4) INCHES. CONTRACTOR SHALL INSTRUCT OWNERS REPRESENTATIVE ON APPROPRIATE WATERING PROCEDURES DURING INITIAL ESTABLISHMENT.

IF CERTAIN OF THE LAWN AREAS DO NOT SHOW A PROMPT "CATCH", THESE SHALL BE RESEEDED AT THE SAME RATE AND IN THE SAME MANNER AS BEFORE IN INTERVALS OF TEN (10) DAYS, WHICH PROCESS SHALL CONTINUE UNTIL A GROWTH OF GRASS IS ESTABLISHED OVER THE ENTIRE AREA.

PROTECT NEWLY TOPSOILED, GRADED AND/OR SEEDED AREAS FROM TRAFFIC AND EROSION. KEEP AREAS FREE OF TRASH AND DEBRIS RESULTING FROM LANDSCAPE CONTRACTOR OPERATIONS.

PLACE WARNING SIGNS IN SEEDED AREAS AND ERECT NECESSARY BARRICADES TO PREVENT DAMAGE BY PERSONS OR MACHINES AND MAINTAIN THESE FOR AT LEAST THIRTY (30) DAYS.

REPAIR AND REESTABLISH GRADES IN SETTLED, ERODED AND RUTTED AREAS TO THE SPECIFIED GRADE AND TOLERANCES.

THE LANDSCAPE CONTRACTOR IS TO CLEAN UP AND REMOVE ANY DEBRIS FROM THE SITE CAUSED BY THE LANDSCAPE CONTRACTOR.

PLANT MATERIAL IS TO BE MAINTAINED BY THE LANDSCAPE CONTRACTOR WHILE THE PROJECT IS UNDERWAY.

LIGHTING NOTES

DIMENSIONS FOR LIGHT LOCATIONS ARE TO THE CENTER OF MOUNTING POLES.

ALL LIGHT MOUNTING POLES SHALL BE LOCATED AT A MINIMUM OF FIVE (5) FEET FROM BACK OF CURB UNLESS OTHERWISE NOTED ON THE PLAN.












CUTOFF LUMINAIRE FIXTURES WILL BE UTILIZED TO ENSURE NO OFF SITE GLARE IS CREATED.

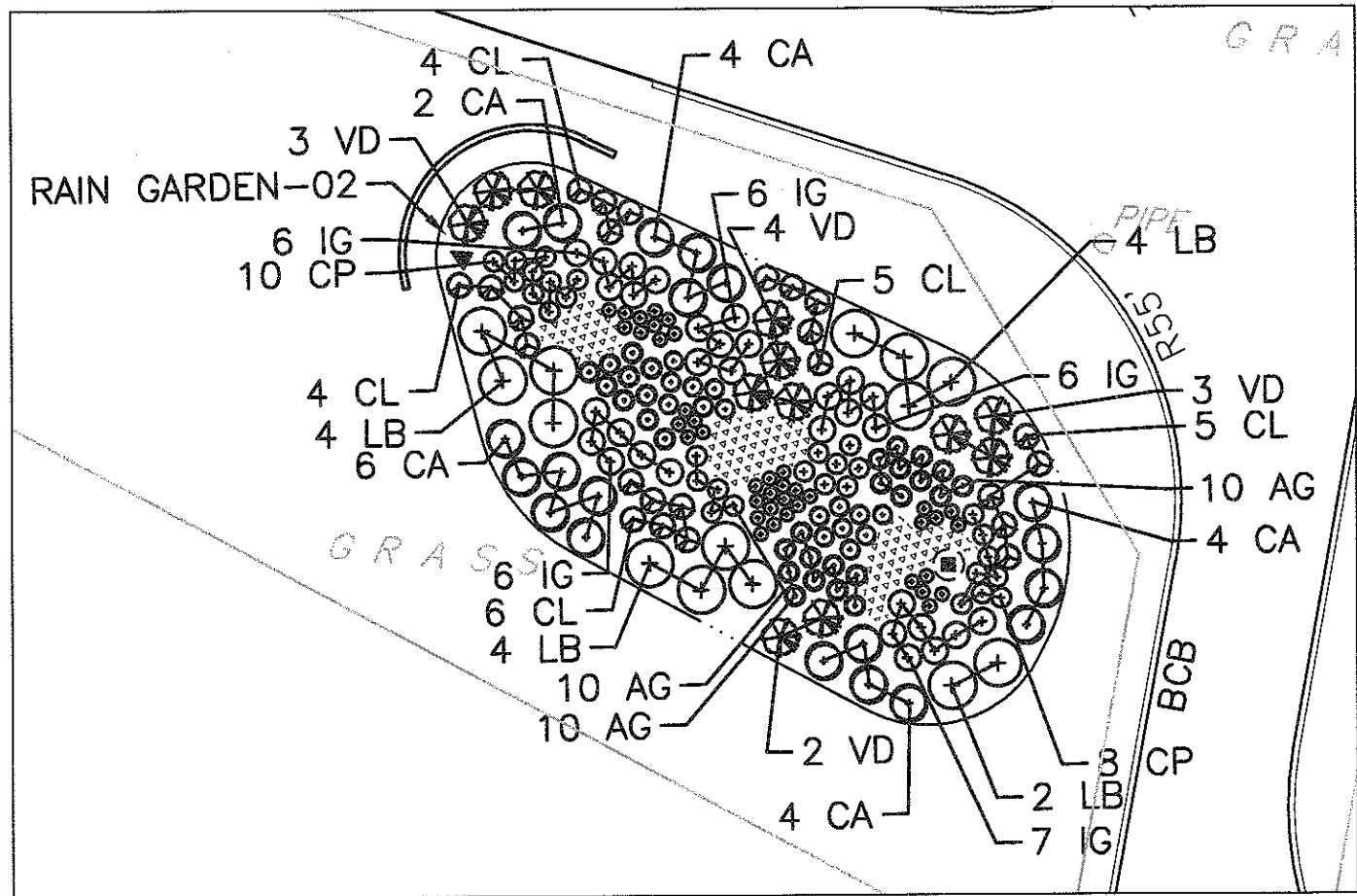
LIGHT POLES LOCATED IN PLANTING ISLANDS SHALL BE CENTERED BETWEEN EDGES OF PAVEMENT ON OPPOSITE SIDES OF THE POLE.

FOR NOTES, REFERENCES AND LEGEND SEE SHEET C1.1.

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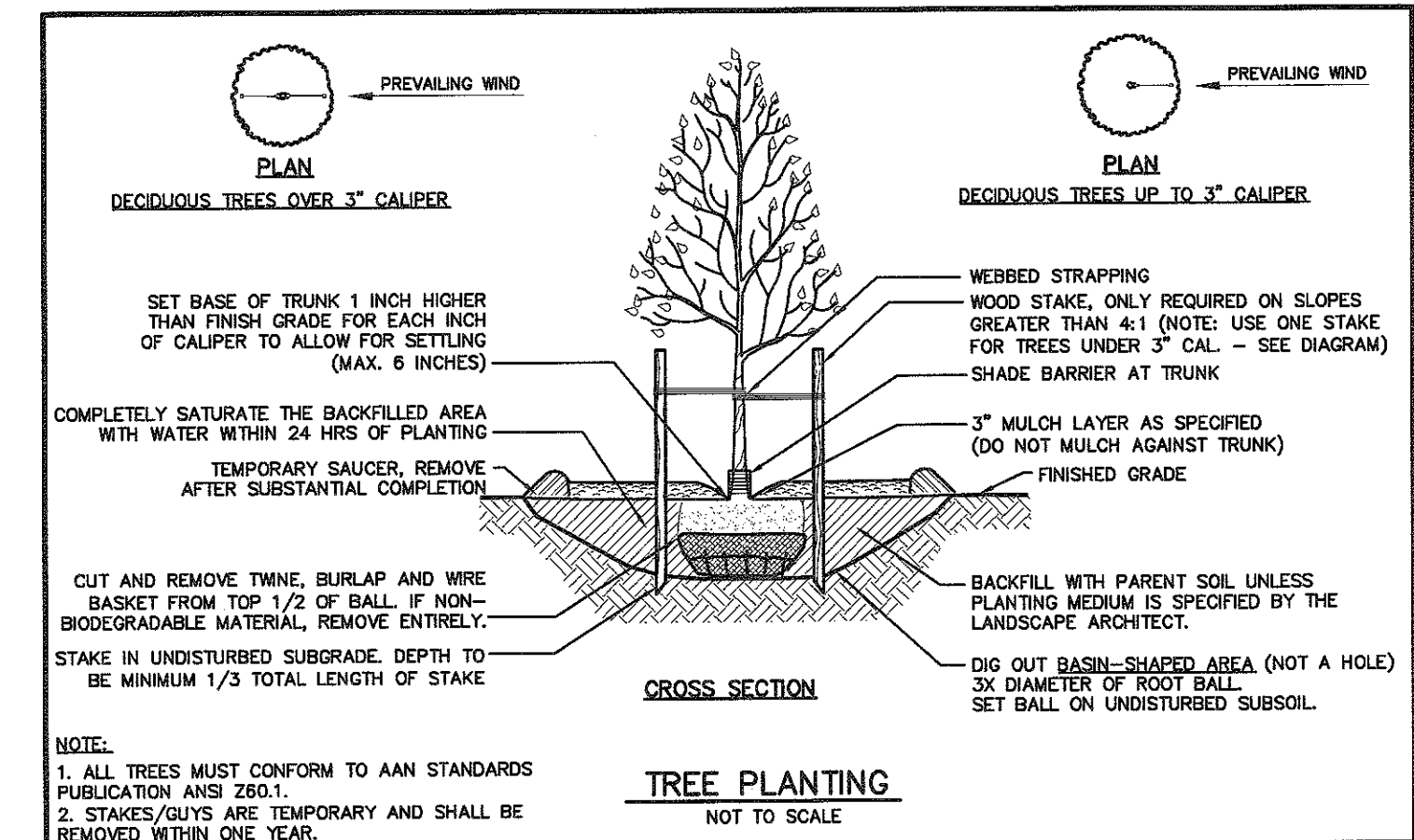
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PLANT SCHEDULE							
QUANTITY	KEY	BOTANICAL NAME	COMMON NAME	INITIAL SIZE	10-15 YR. SIZE	NOTES	GROWTH HABIT
TREES							
15	AR	ACER RUBRUM	RED MAPLE	2.5-3" CAL. MIN.	20' HT.	B&B, MIN. 6' BRANCHING HT.	DECIDUOUS
19	AS	ACER SACCHARUM	SUGAR MAPLE	2.5-3" CAL. MIN.	20' HT.	B&B, MIN. 6' BRANCHING HT.	DECIDUOUS
12	AC	AMELANCHIER CANADENSIS	SHADBLow SERVICEBERRY	6-7' HT. MIN.	20' HT.	B&B - CLUMP FORM	DECIDUOUS
9	CF	CORNUS FLORIDA	FLOWERING DOGWOOD	2-2.5" CAL. MIN.	15' HT.	B&B	DECIDUOUS
7	QP	QUERCUS PALUSTRIS	PIN OAK	2.5-3" CAL. MIN.	25' HT.	B&B, MIN. 6' BRANCHING HT.	DECIDUOUS
28	JV	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	6-7' HT. MIN.	15' HT.	B&B	EVERGREEN
18	PG	PICEA GLAUCA	WHITE SPRUCE	6-7' HT. MIN.	20' HT.	B&B	EVERGREEN
14	PS	PINUS STROBUS	EASTERN WHITE PINE	6-7' HT. MIN.	20' HT.	B&B	EVERGREEN
13	PST	PINUS STROBUS	EASTERN WHITE PINE	10-12' HT. MIN.	25' HT.	B&B	EVERGREEN
13	TP	THUJA PLICATA	WESTERN RED CEDAR	6-7' HT. MIN.	20' HT.	B&B	EVERGREEN
SHRUBS							
35	CA	CORNUS AMOMUM	SILKY DOGWOOD	3-3.5' HT. MIN.	5' HT.	B&B OR CONTAINER	DECIDUOUS
45	IV	ILEX VERTICILLATA	WINTERBERRY (FEMALE)	3-3.5' HT. MIN.	5-10' HT.	B&B OR CONTAINER	DECIDUOUS
5	IVJ	ILEX VERTICILLATA 'JIM DANDY'	WINTERBERRY (MALE)	2-2.5' HT. MIN.	6' HT.	PLANT 1 W/IN 100' OF EA.FEMALE	DECIDUOUS
32	LB	LINDERA BENZOIN	SPICEBUSH	3-3.5' HT. MIN.	10' HT.	B&B OR CONTAINER	DECIDUOUS
20	RM	RHODODENDRON MAXIMUM	ROSEBAY RHODODENDRON	3.5-4' HT. MIN.	10-12' HT	B&B	EVERGREEN
SEED MIX							
±26,600 SF		NEW ENGLAND EROSION CONTROL/RESTORATION MIX FOR DETENTION BASINS AND MOIST SITES MANUFACTURED BY NEW ENGLAND WETLAND PLANTS, INC., AMHERST, MA, OR APPROVED EQUAL					
	GENERAL LOAM & SEED	NEW ENGLAND EROSION CONTROL/RESTORATION MIX FOR DRY SITES MANUFACTURED BY NEW ENGLAND WETLAND PLANTS, INC., AMHERST, MA, OR APPROVED EQUAL					
RAIN GARDEN PLANTS							
30	AG 	ANDROPOGON GERARDII	BIG BLUESTEM	#3 CONT. MIN.	4-6' HT.	SPACE 2-3' O.C.	PERENNIAL
40	AT 	ASCLEPIAS TUBEROSA	BUTTERFLY MILKWEED	#3 CONT. MIN.	1-2' HT.	SPACE 12-18" O.C.	PERENNIAL
30	CL 	CLETHRA ALNIFOLIA	SUMMERSWEET	2-2.5' HT. MIN.	4-6' HT.	CONTAINER	DECIDUOUS
30	CP 	COMPTONIA PEREGRINA	SWEETFERN	12-18" HT. MIN.	2-3' HT.	CONTAINER	DECIDUOUS
20	CA 	CORNUS AMOMUM	SILKY DOGWOOD	3-3.5' HT. MIN.	5' HT.	B&B OR CONTAINER	DECIDUOUS
35	IG 	ILEX GLABRA	INKBERRY	2-2.5' HT. MIN.	4' HT.	CONTAINER	EVERGREEN
165	IV 	IRIS VERSICOLOR	BLUE FLAG IRIS	#1 CONT. MIN.	24-30" HT.	SPACE 18" O.C.	PERENNIAL
15	LB 	LINDERA BENZOIN	SPICEBUSH	3-3.5' HT. MIN.	10' HT.	B&B OR CONTAINER	DECIDUOUS
30	OC 	OSMUNDA CINNAMOMEUM	CINNAMON FERN	#2 CONT. MIN.	3-4' HT.	SPACE 36" O.C.	PERENNIAL
12	VD 	VIBURNUM DENTATUM	ARROWWOOD	3-3.5' HT. MIN.	10' HT.	B&B OR CONTAINER	DECIDUOUS



RAIN GARDEN-01 LANDSCAPE PLAN

SCALE: 1" = 30'



OSQ Series
OSQ™ LED Area/Street Luminaire - Medium

Product Description
The OSQ™ Area/Street luminaire features a unique optical system, a power-efficient LED light source, and a durable, weather-resistant housing. The luminaire is designed for use in a variety of applications, including street lighting, parking lots, and industrial areas. It is available in a variety of finishes and mounting options.

Performance Summary
HeraCrest® Precision Delivery 5000°K light
Made in the U.S.A. of U.S. and imported parts
OSQ Series: 100W, 150W, 200W, 250W, 300W, 350W, 400W, 450W, 500W, 550W, 600W, 650W, 700W, 750W, 800W, 850W, 900W, 950W, 1000W
Limited Warranty: 10 years on luminaire/10 years on LED light source (LED light source is covered for 5 years)

Accessories
HeraCrest® Precision Delivery 5000°K light
OSQ Series: 100W, 150W, 200W, 250W, 300W, 350W, 400W, 450W, 500W, 550W, 600W, 650W, 700W, 750W, 800W, 850W, 900W, 950W, 1000W

Ordering Information
Please provide the following information when ordering:
Product: OSQ Series
Quantity: []
Finish: []
Mounting: []
Notes: []

XSP Series
XSP™ LED Wall Mount Luminaire

Product Description
The XSP™ LED wall mount luminaire is a sleek, low-profile design that is perfect for use in a variety of applications, including street lighting, parking lots, and industrial areas. It is available in a variety of finishes and mounting options.

Performance Summary
HeraCrest® Precision Delivery 5000°K light
Made in the U.S.A. of U.S. and imported parts
OSQ Series: 100W, 150W, 200W, 250W, 300W, 350W, 400W, 450W, 500W, 550W, 600W, 650W, 700W, 750W, 800W, 850W, 900W, 950W, 1000W
Limited Warranty: 10 years on luminaire/10 years on LED light source (LED light source is covered for 5 years)

Accessories
HeraCrest® Precision Delivery 5000°K light
OSQ Series: 100W, 150W, 200W, 250W, 300W, 350W, 400W, 450W, 500W, 550W, 600W, 650W, 700W, 750W, 800W, 850W, 900W, 950W, 1000W

Ordering Information
Please provide the following information when ordering:
Product: XSP Series
Quantity: []
Finish: []
Mounting: []
Notes: []

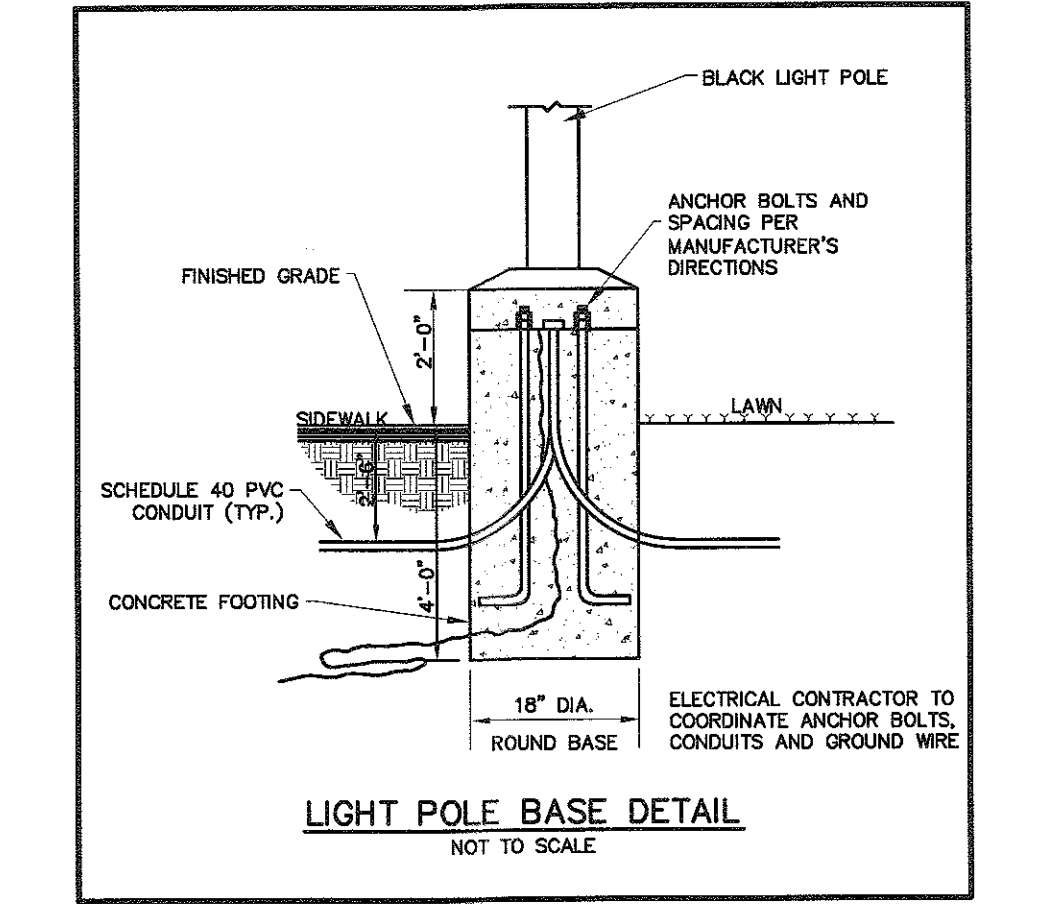
XSP Series
XSP™ LED Street/Area Light - Single Module - Version 5

Product Description
The XSP™ LED street/area light is a sleek, low-profile design that is perfect for use in a variety of applications, including street lighting, parking lots, and industrial areas. It is available in a variety of finishes and mounting options.

Performance Summary
HeraCrest® Precision Delivery 5000°K light
Made in the U.S.A. of U.S. and imported parts
OSQ Series: 100W, 150W, 200W, 250W, 300W, 350W, 400W, 450W, 500W, 550W, 600W, 650W, 700W, 750W, 800W, 850W, 900W, 950W, 1000W
Limited Warranty: 10 years on luminaire/10 years on LED light source (LED light source is covered for 5 years)

Accessories
HeraCrest® Precision Delivery 5000°K light
OSQ Series: 100W, 150W, 200W, 250W, 300W, 350W, 400W, 450W, 500W, 550W, 600W, 650W, 700W, 750W, 800W, 850W, 900W, 950W, 1000W

Ordering Information
Please provide the following information when ordering:
Product: XSP Series
Quantity: []
Finish: []
Mounting: []
Notes: []



SYMBOL	LABEL	QUANTITY	MANUFACTURER	CATALOG NUMBER	DESCRIPTION	LAMP	NUMBER LAMPS	LUMENS PER LAMP	LIGHT LOSS FACTOR	WATTAGE
	A*	20	CREE INC.	BXSPBXX3ME-A40K-XXXXXXX	CREE XSP SERIES AREA/STREET LUMINAIRE, SINGLE MODULE, TYPE II MEDIUM, 4000K, A INPUT POWER DESIGNATOR	FIVE TYPE MDA LEDS	1	5085	0.8	49.51
	A2*	9	CREE INC.	BXSPBXX3ME-A40K-XXXXXXX	CREE XSP SERIES AREA/STREET LUMINAIRE, SINGLE MODULE, TYPE II MEDIUM, 4000K, A INPUT POWER DESIGNATOR	FIVE TYPE MDA LEDS	2	5085	0.8	99.02
	B	1	CREE INC.	OSQ A-XX-3ME-A-40K	CREE OSQ SERIES AREA LUMINAIRE, TYPE II MEDIUM, A INPUT POWER DESIGNATOR, 4000K	EIGHT TYPE MDA 4000K LEDS	1	10846	0.8	113.48
	B2	2	CREE INC.	OSQ A-XX-3ME-A-40K	CREE OSQ SERIES AREA LUMINAIRE, TYPE II MEDIUM, A INPUT POWER DESIGNATOR, 4000K	EIGHT TYPE MDA 4000K LEDS	2	10846	0.8	226.96
	WP	36	CREE INC.	XSPWAX3PC-U	CREE XSPW SERIES WALLPACK LUMINAIRE, TYPE II MEDIUM, 4000K, C INPUT POWER DESIGNATOR	4 TYPE MDA LEDS	1	4187	0.8	42.7
	POLE	32	GE	ASS18DQ411BL OR EPA100 EQUAL	AREA LIGHT POLE STEEL SQUARE STRAIGHT	NA	NA	NA	NA	NA

* PROVIDE BACK LIGHT SHIELD PART# OSQ-BSLMF ON FIXTURES A OR A2, WHERE ADJACENT TO SOUND WALL.

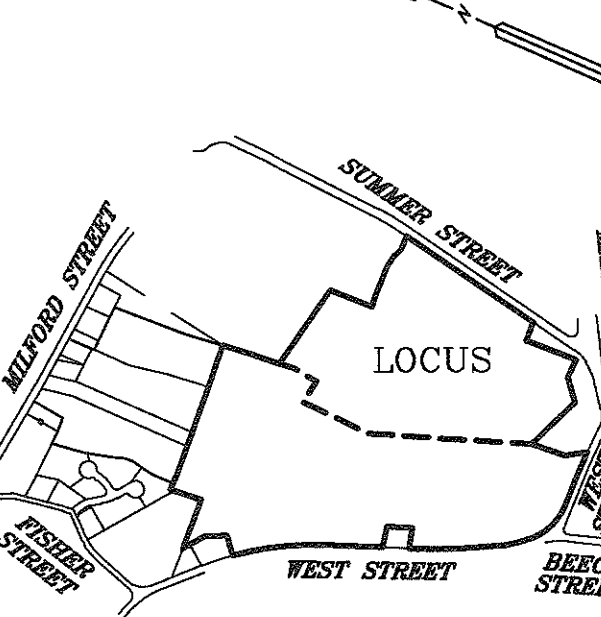
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Medway, LLC and
Exelon West
Medway II, LLC**

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Kennett Square, PA 19348

LOCUS MAP

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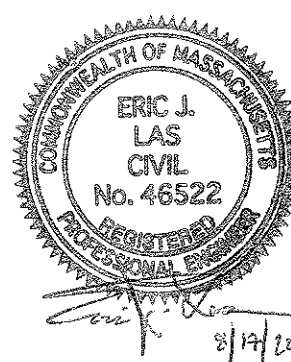
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PROJECT:

**WEST MEDWAY II
FACILITY**
MEDWAY, MASSACHUSETTS

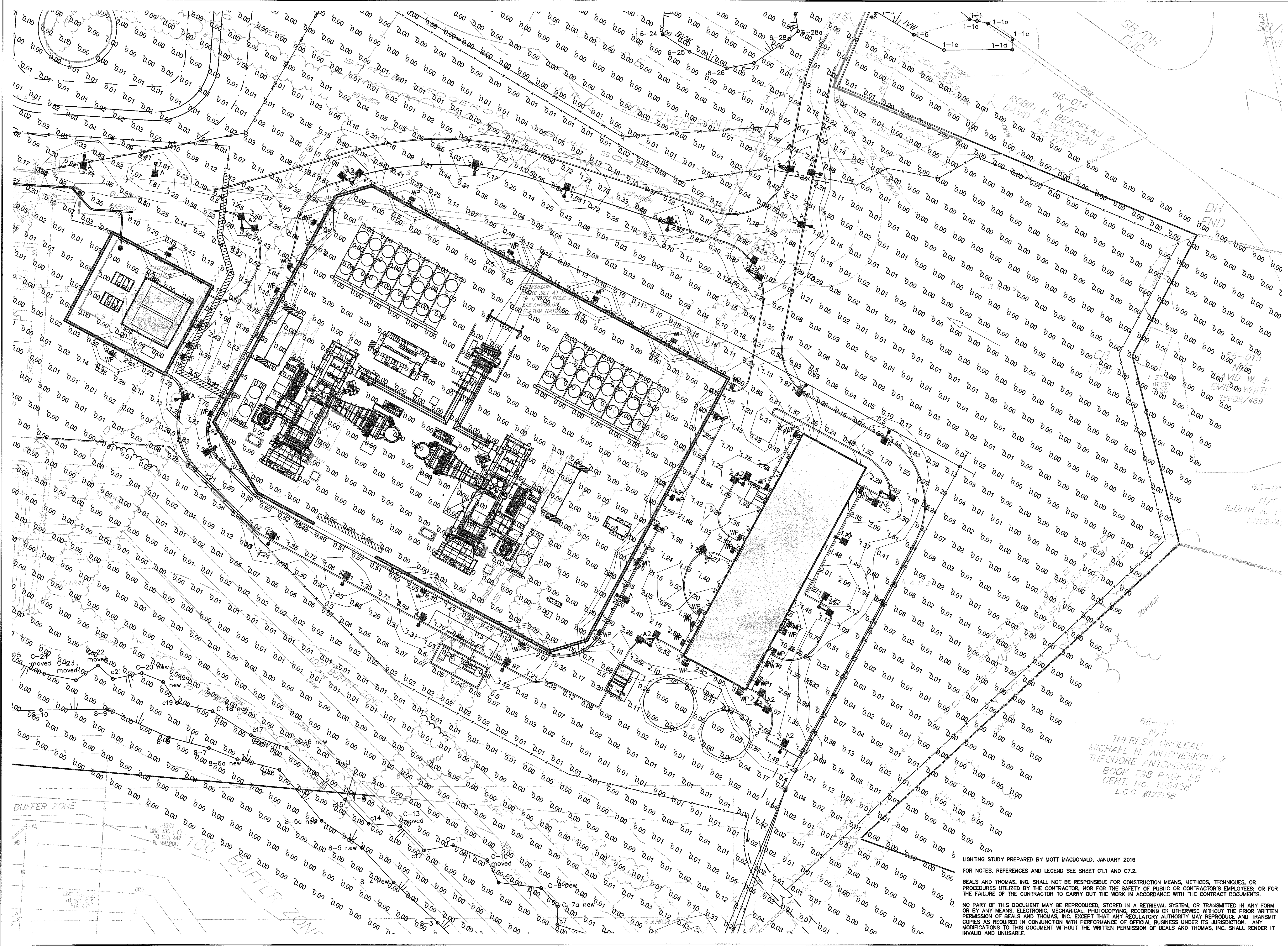
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**LANDSCAPE AND
LIGHTING NOTES AND
DETAILS**

B+T JOB NO. 14222.10

B+T PLAN NO.
1422210P0180-002

C7.2



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PROJECT:

**WEST MEDWAY II
FACILITY**

MEDWAY, MASSACHUSETTS

SCALE: 1" = 40' DATE: FEBRUARY 09, 2016

METERS
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FEET

PHOTOMETRIC PLAN

B+T JOB NO. 1422.10

B+T PLAN NO.
142210P018D-003

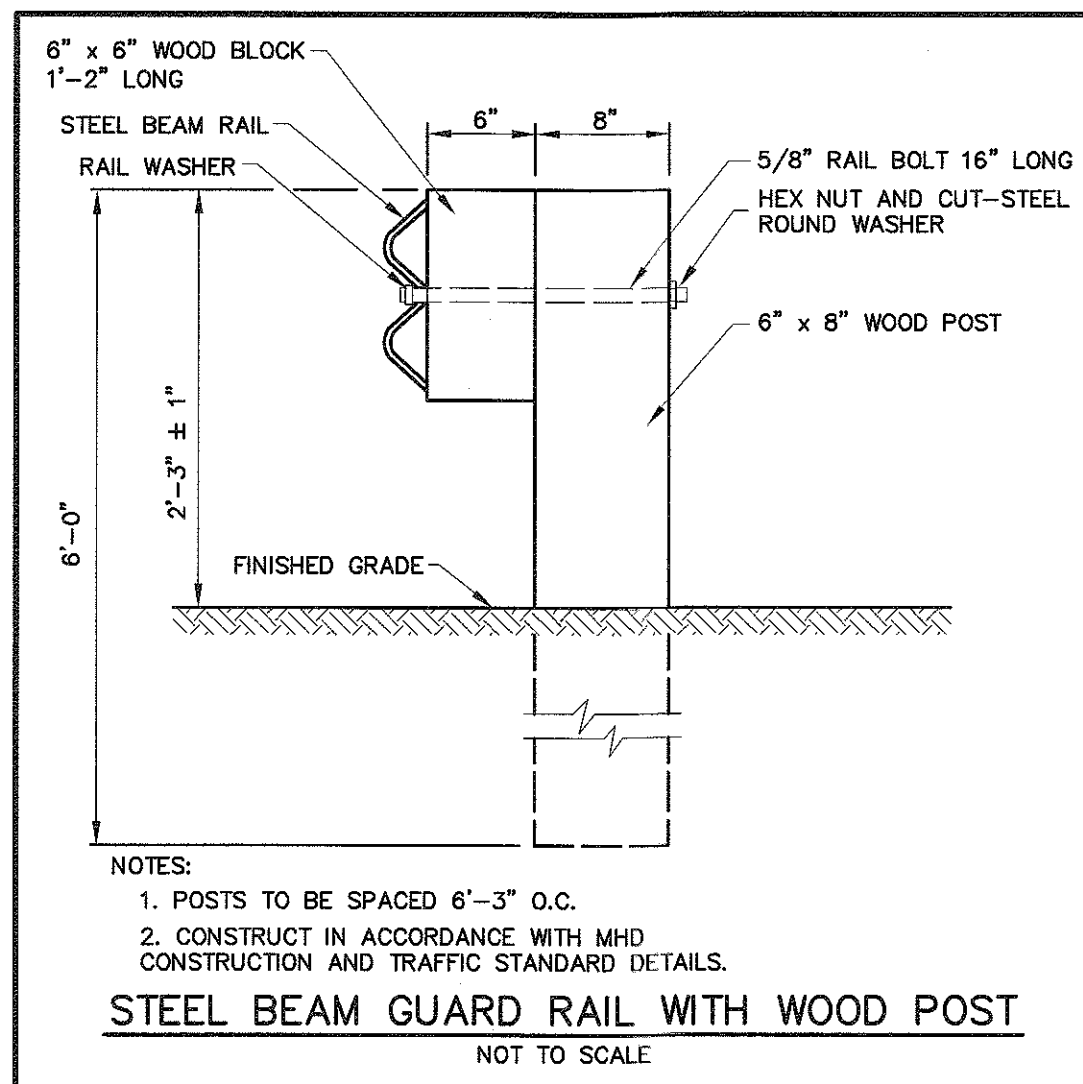
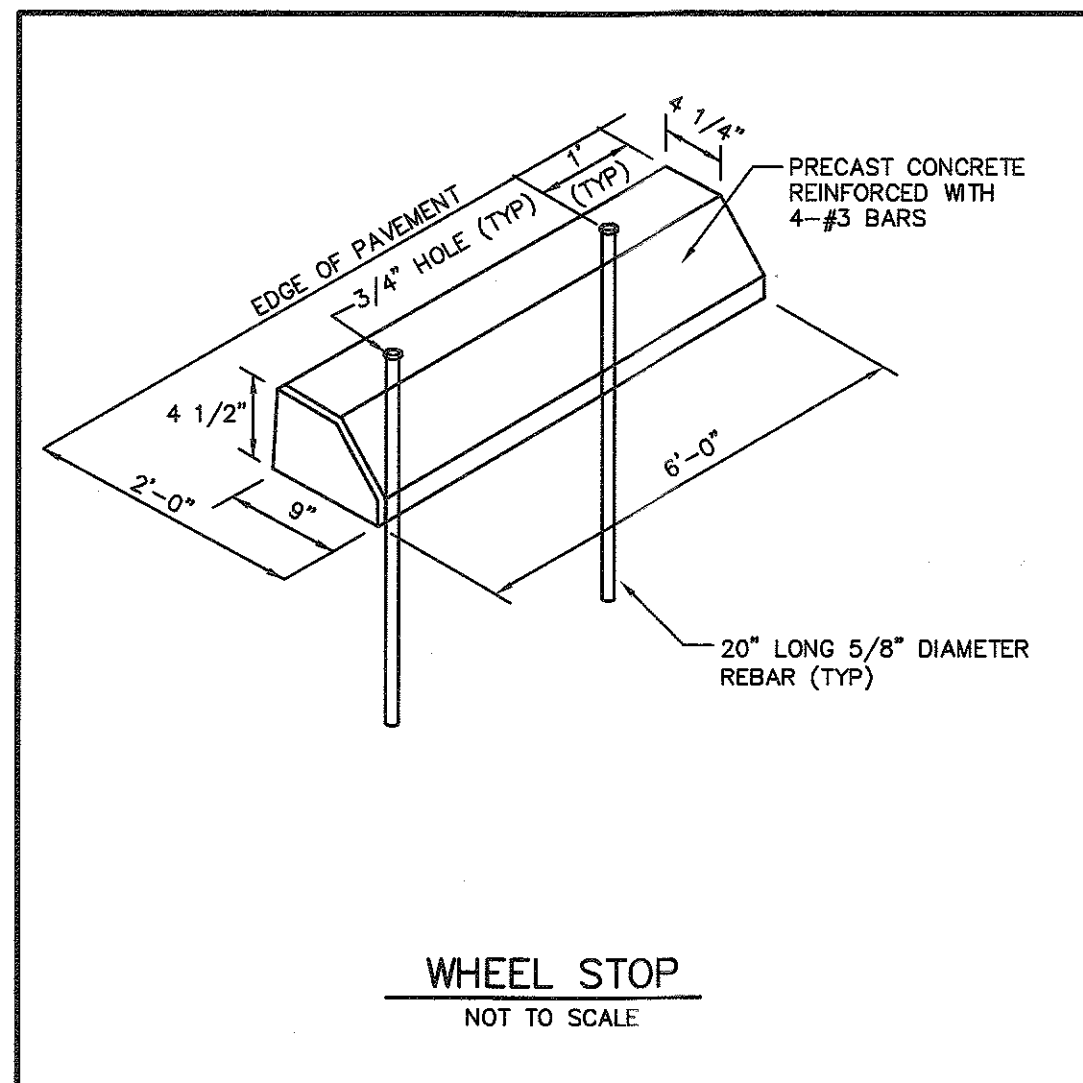
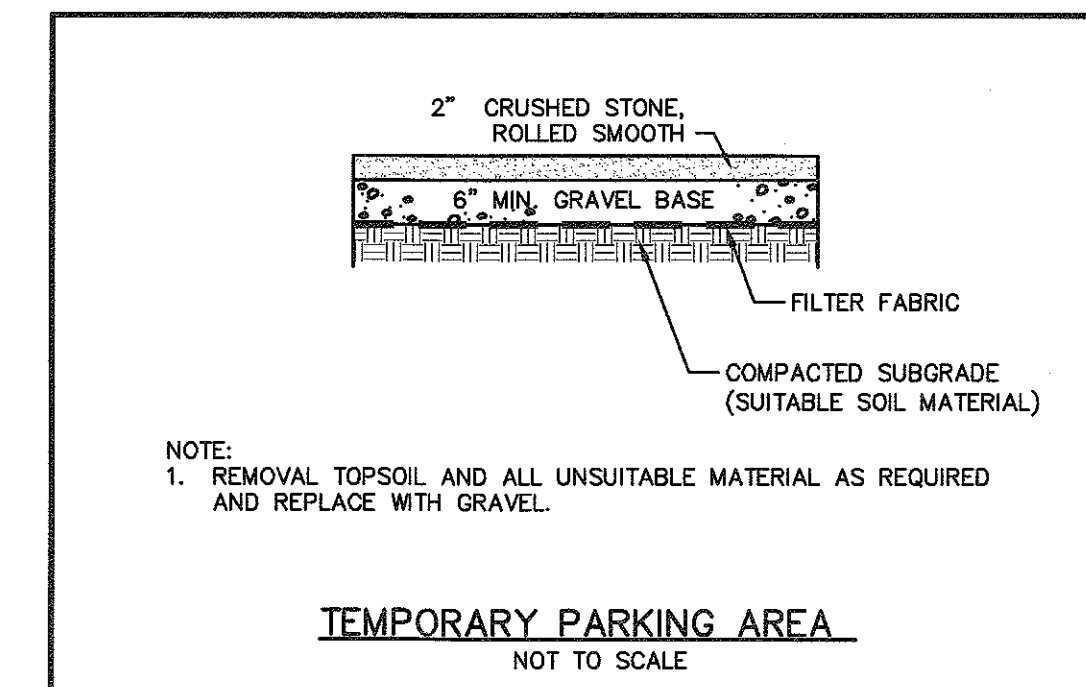
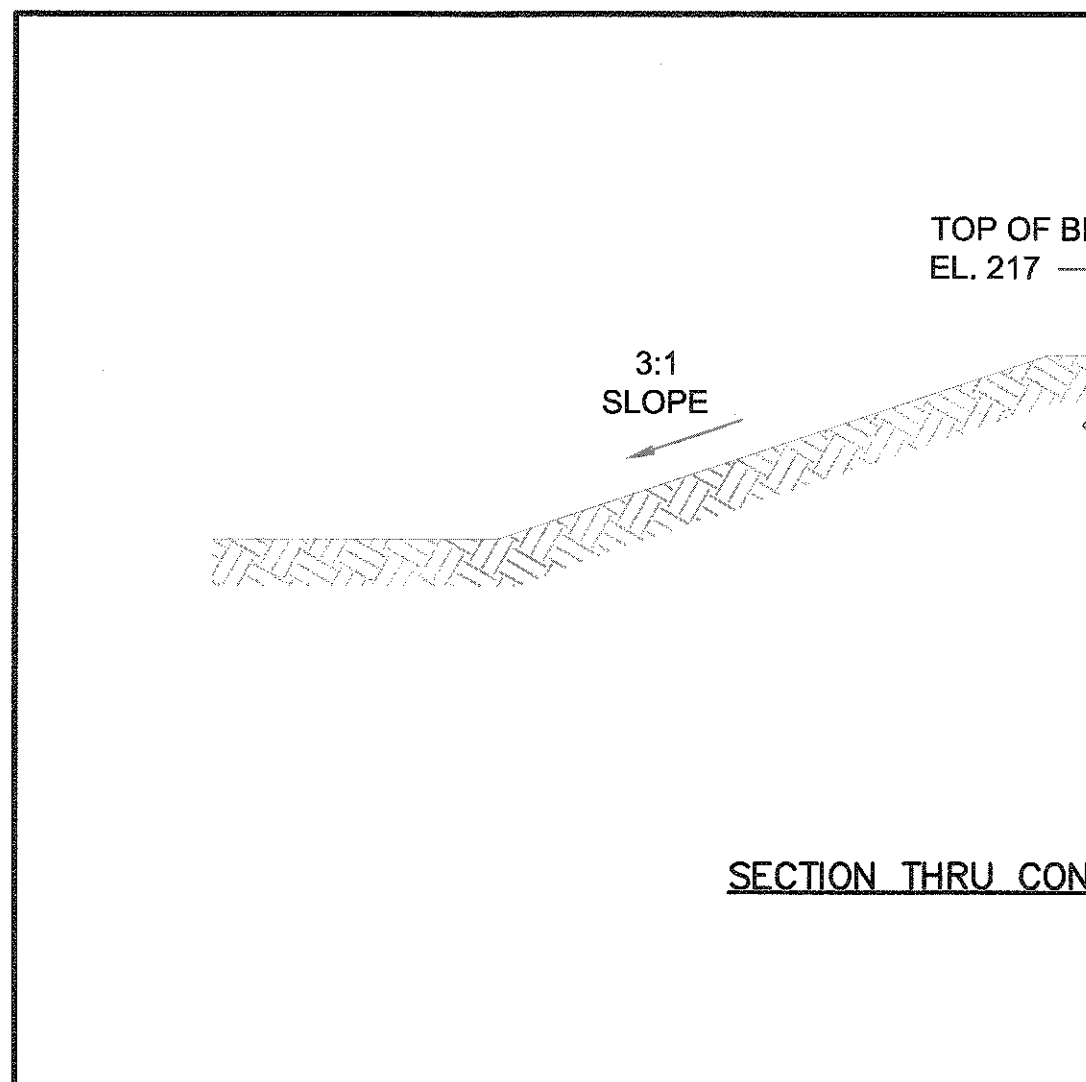
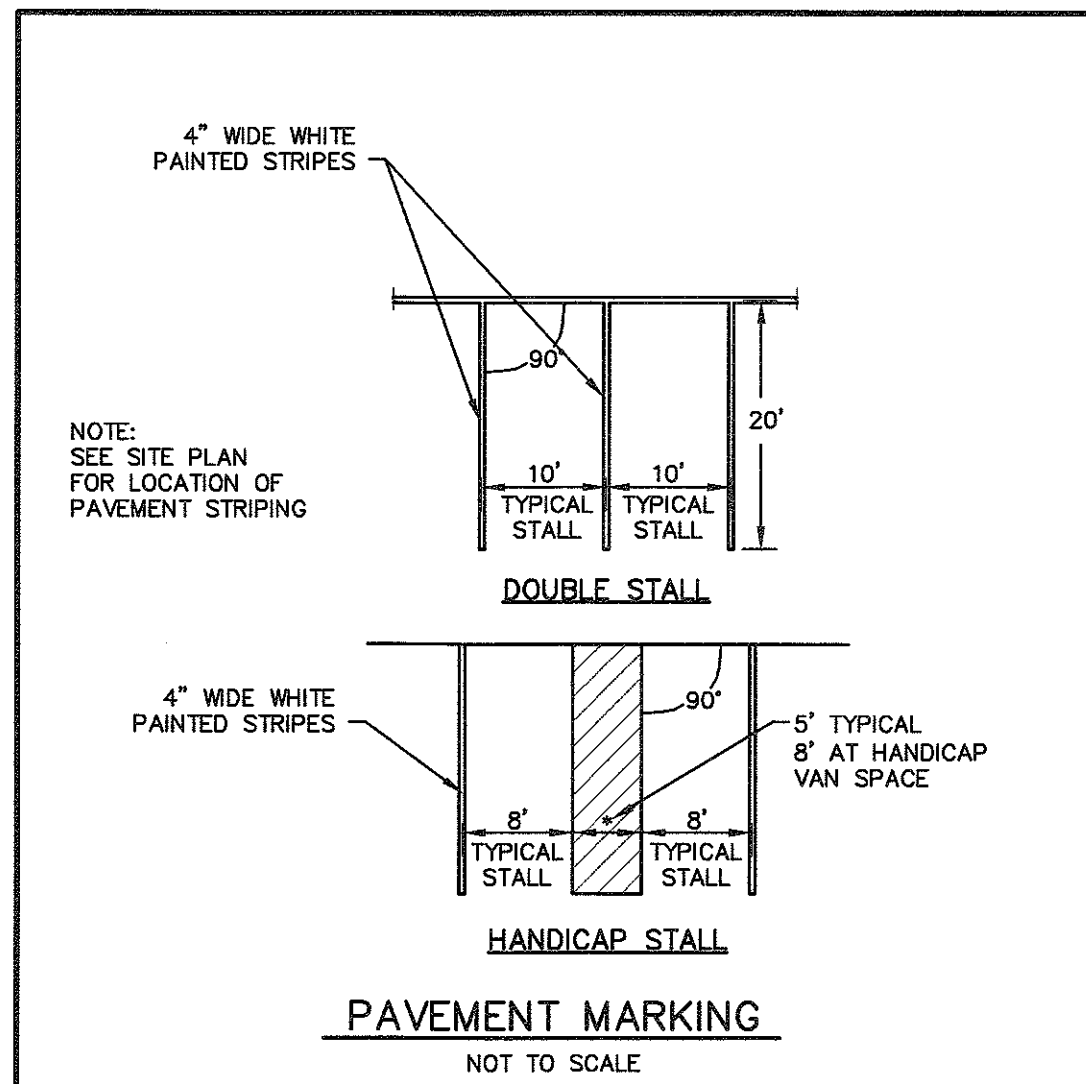
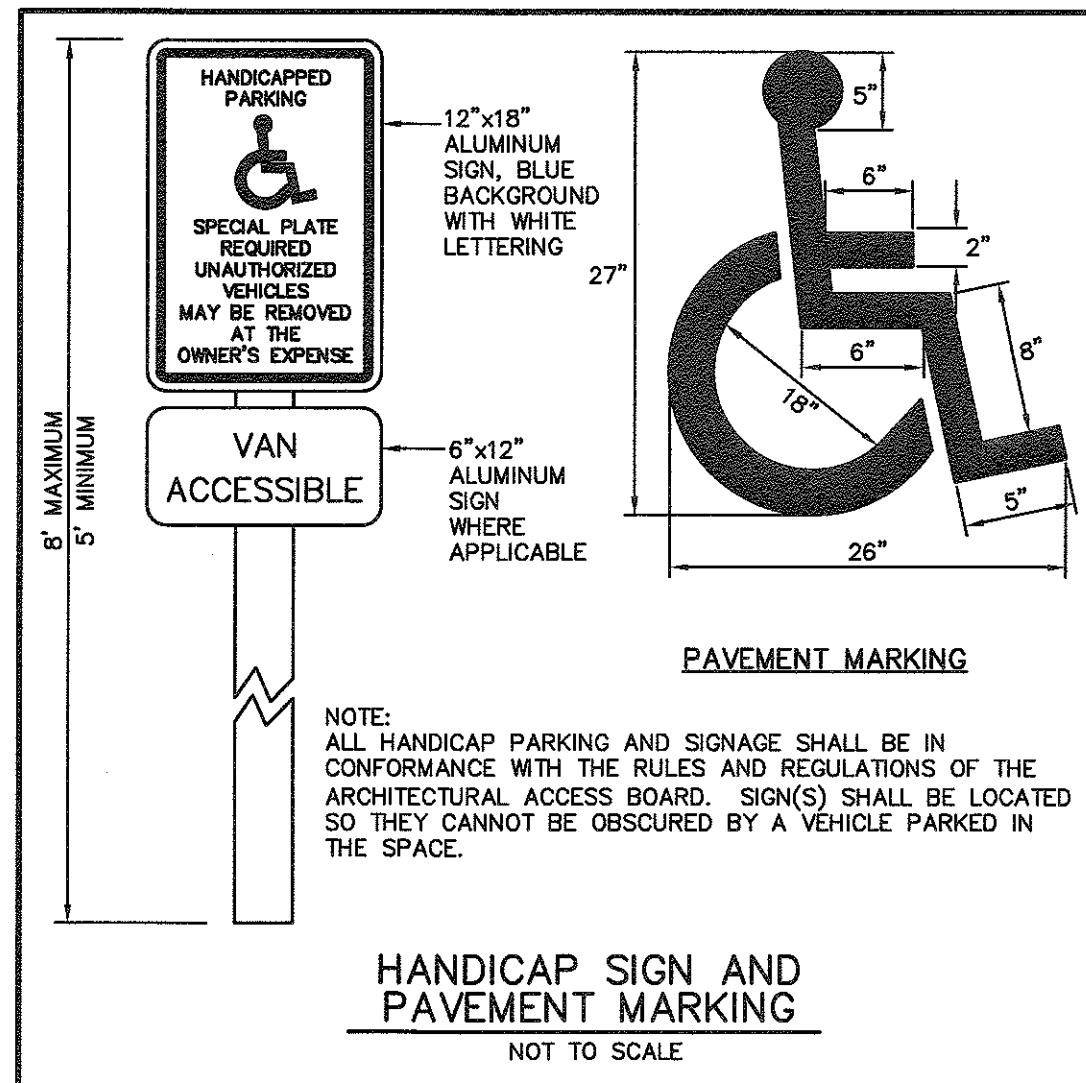
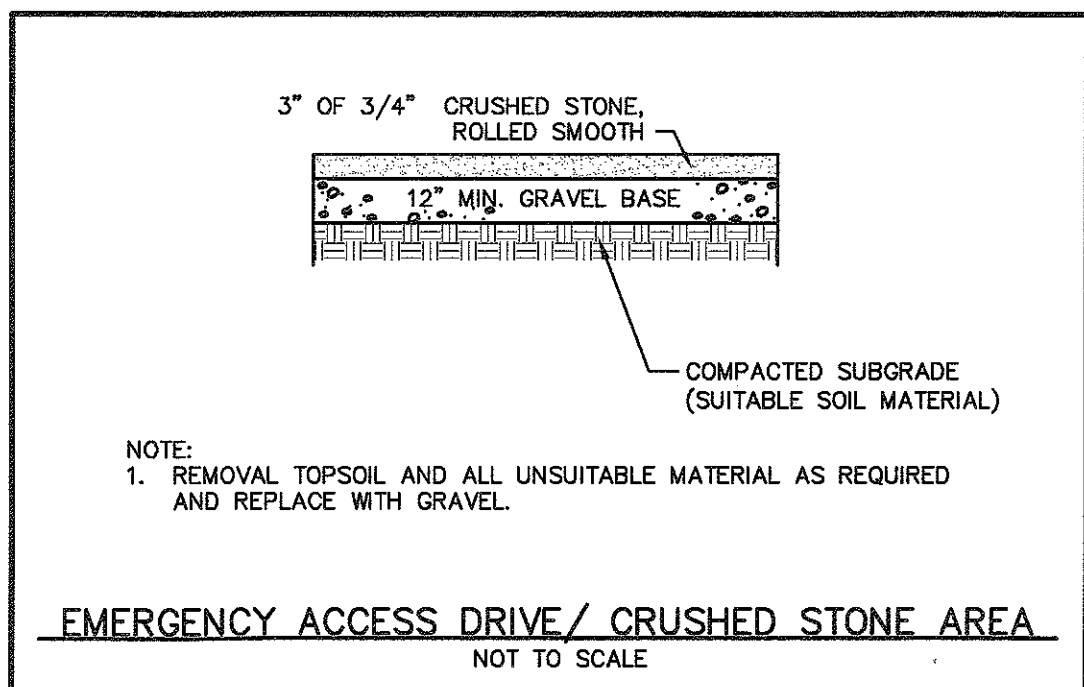
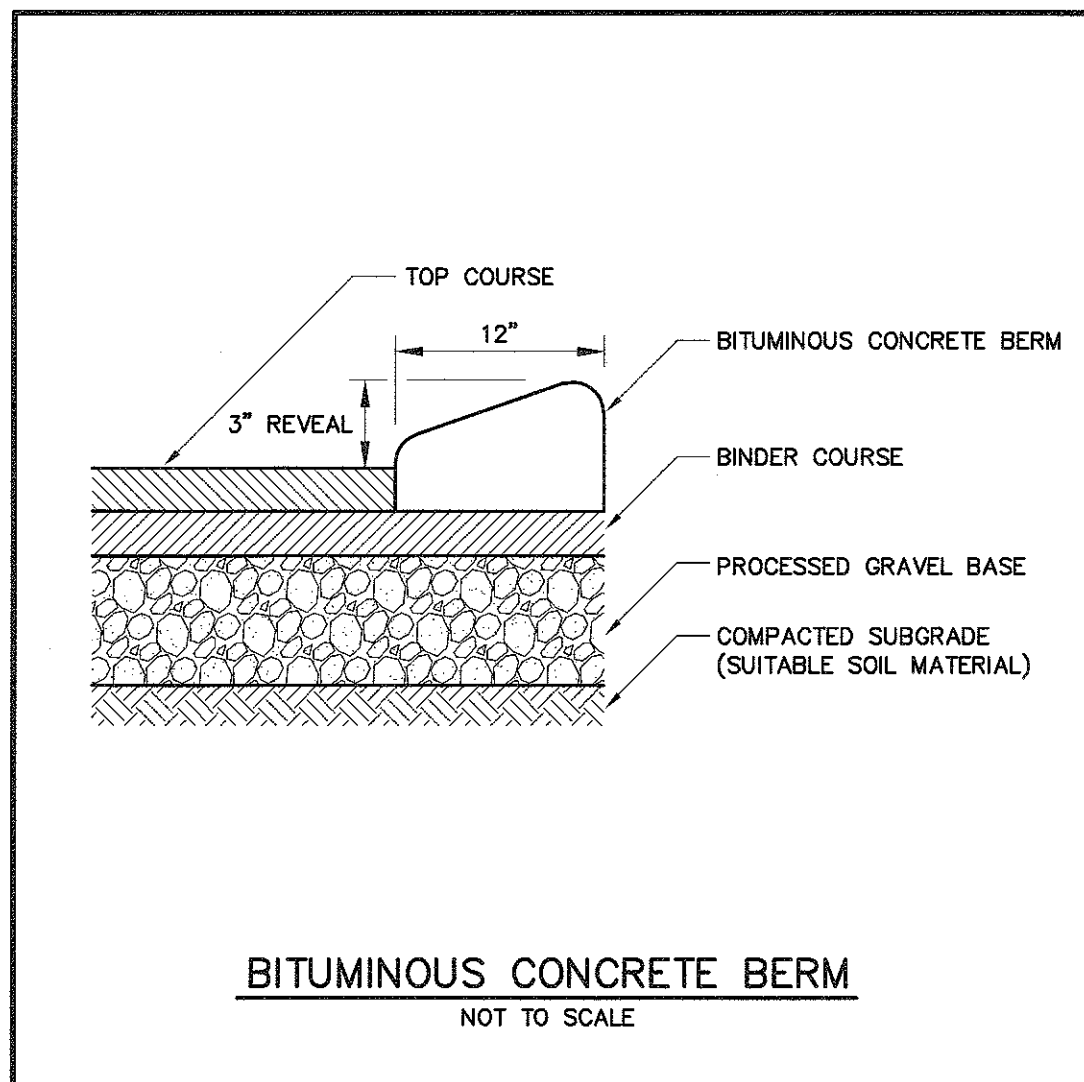
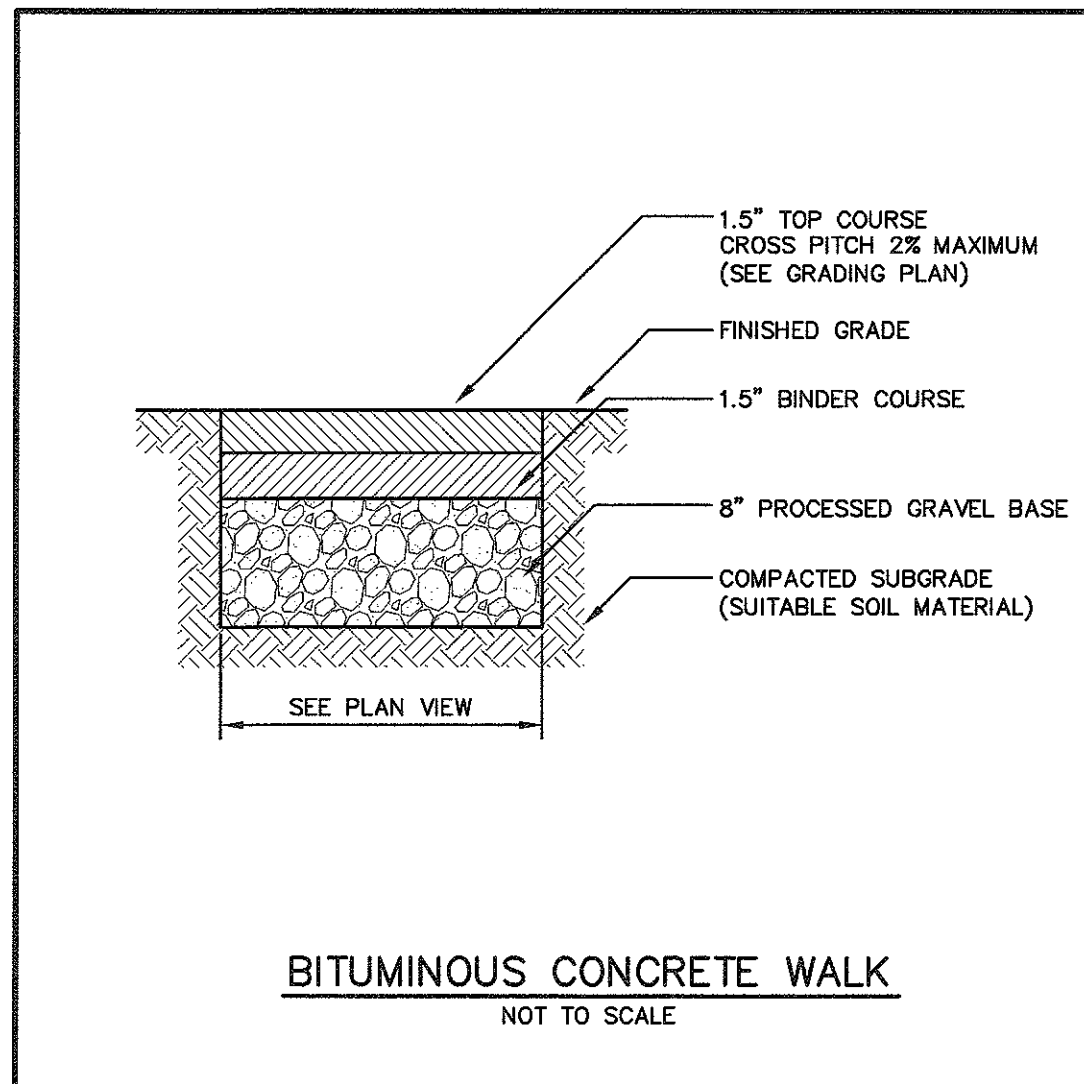
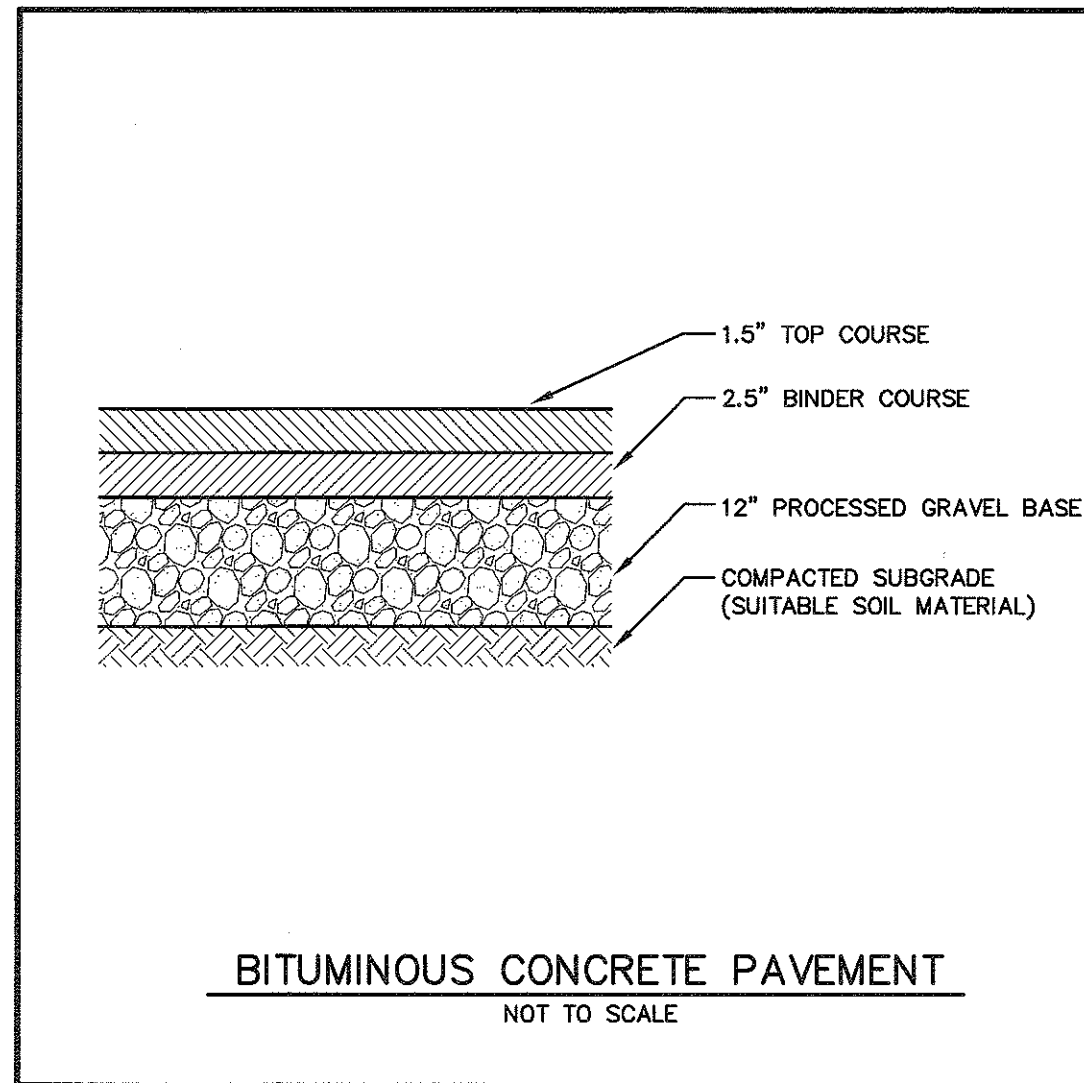
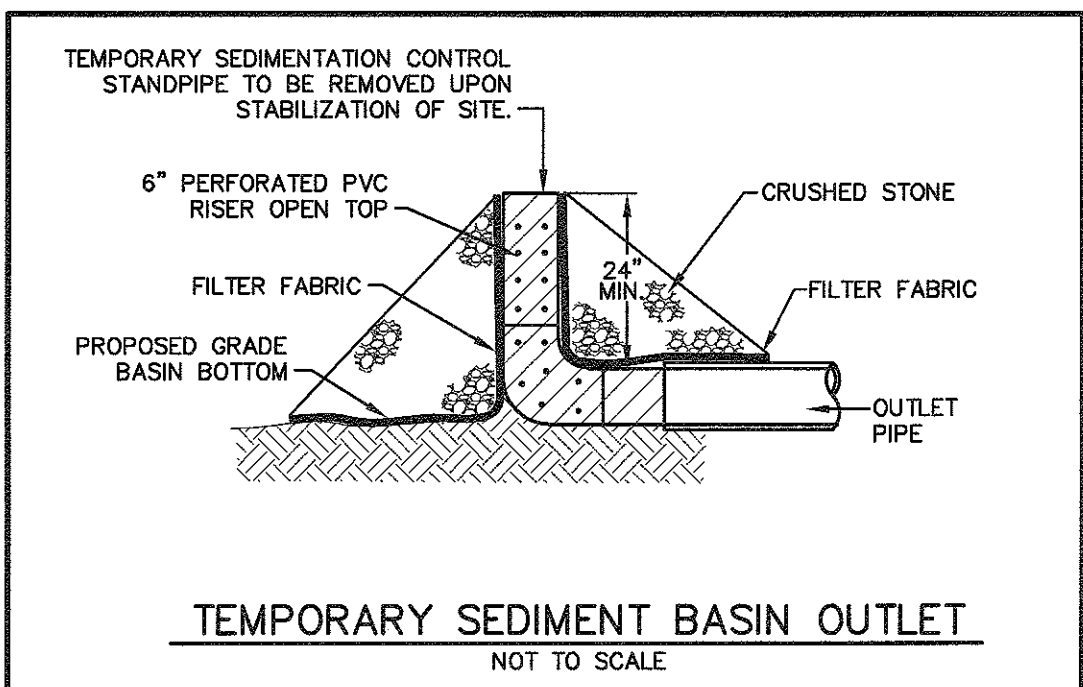
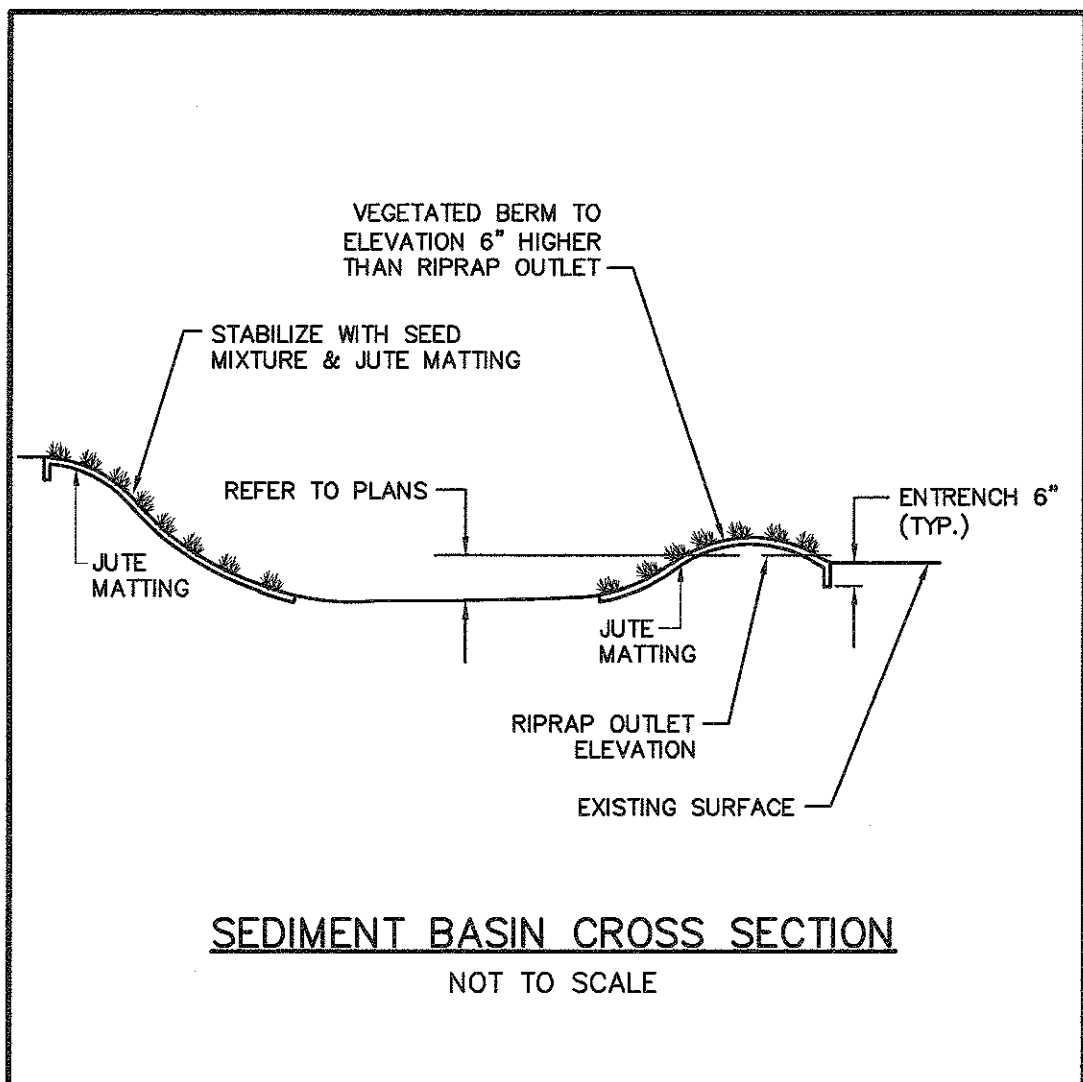
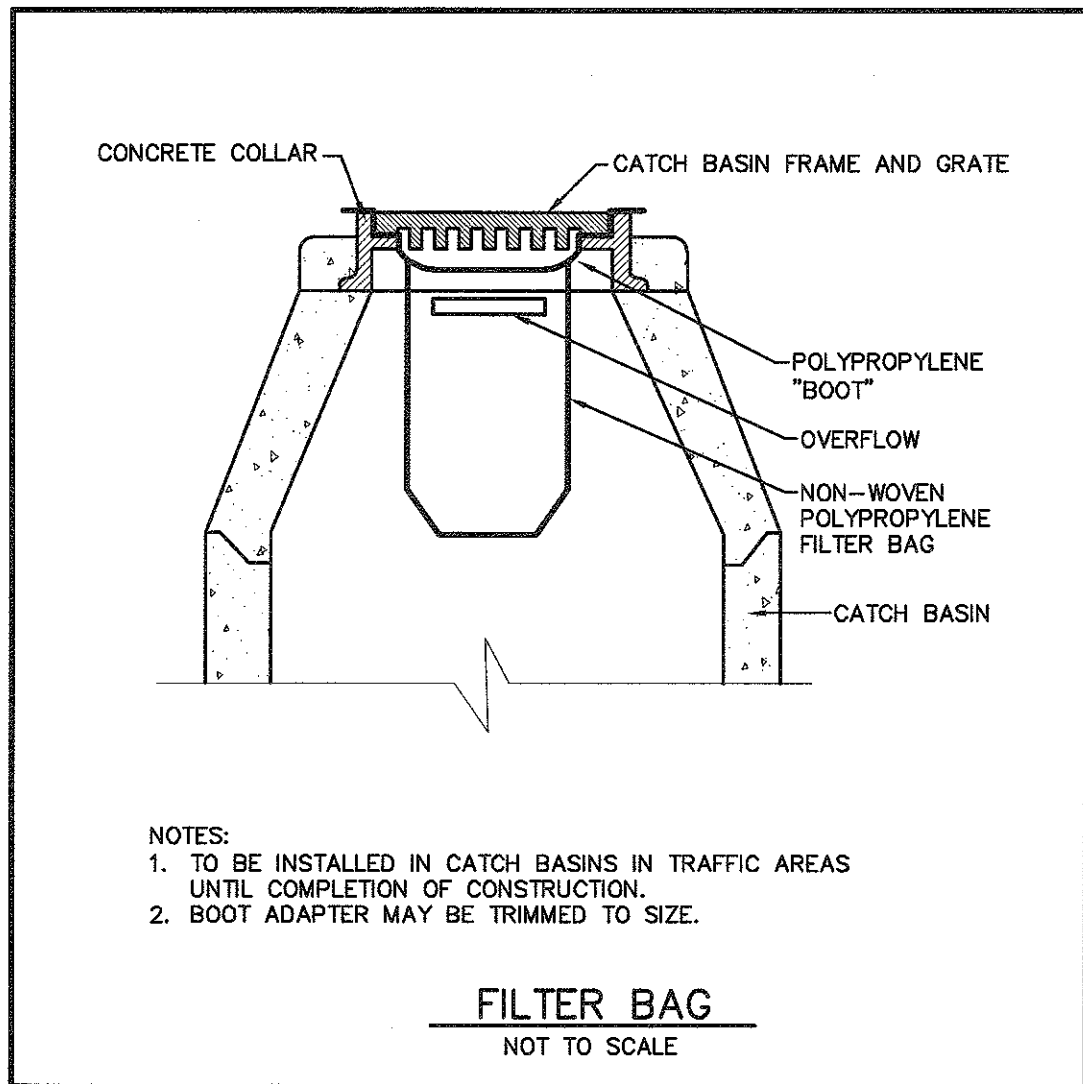
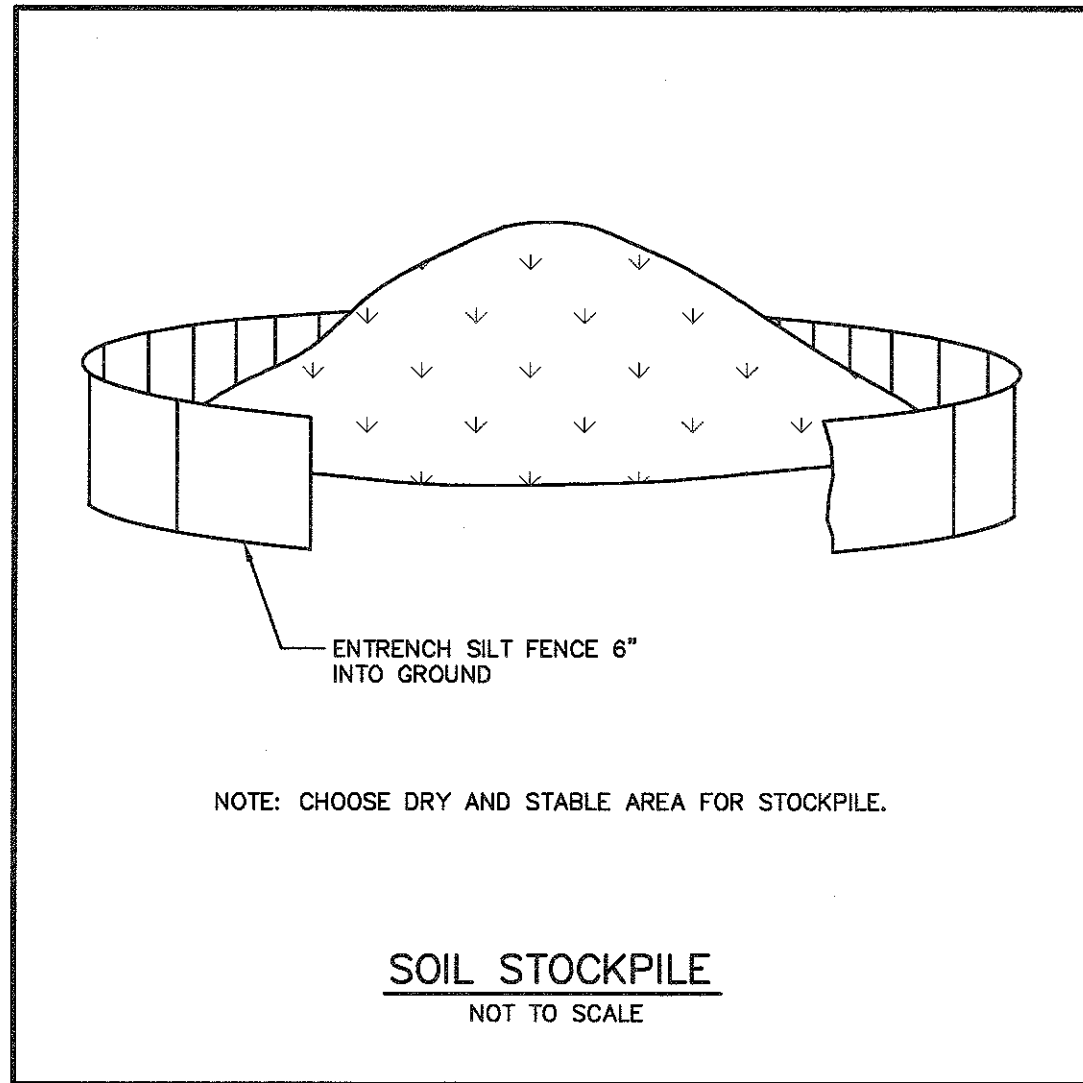
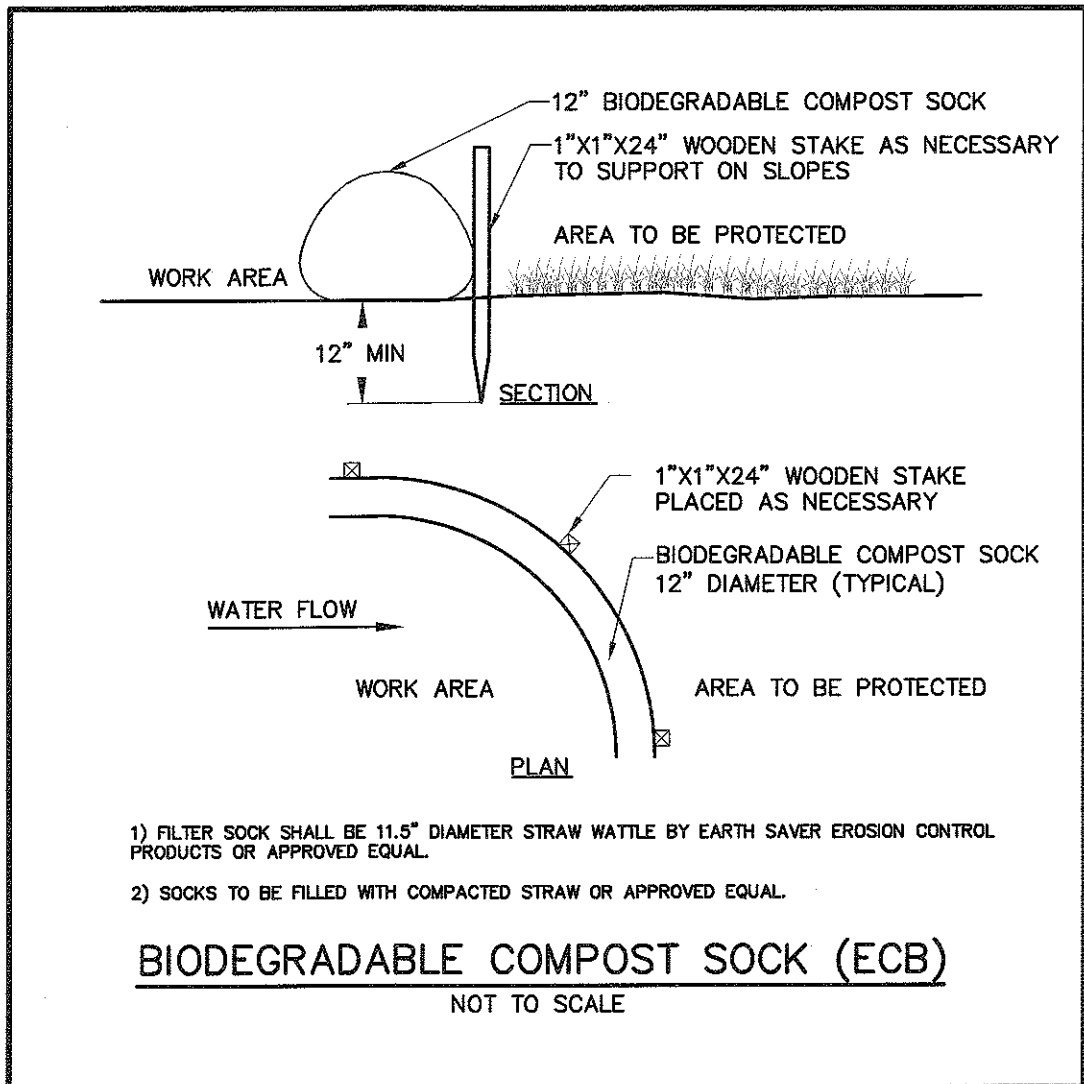
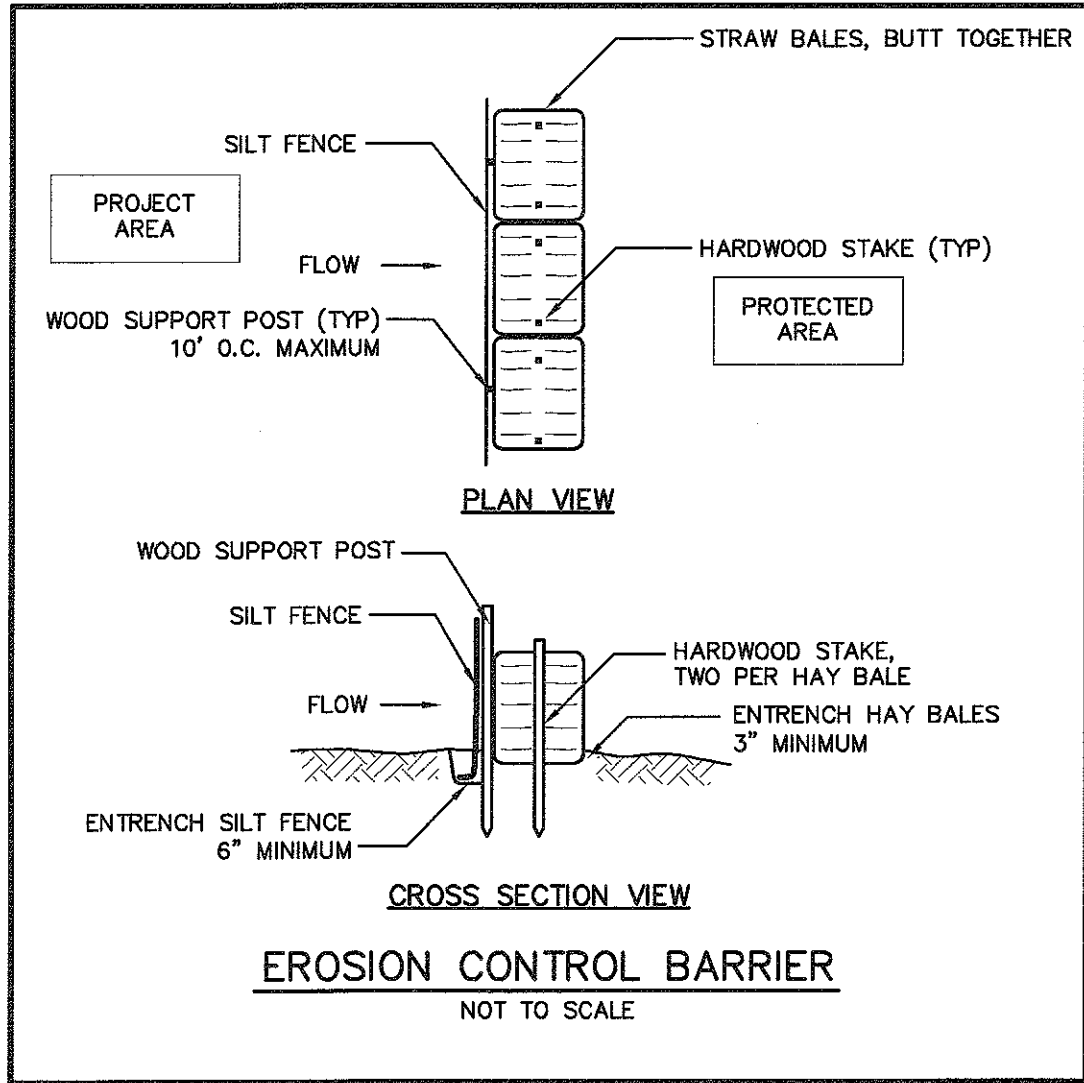
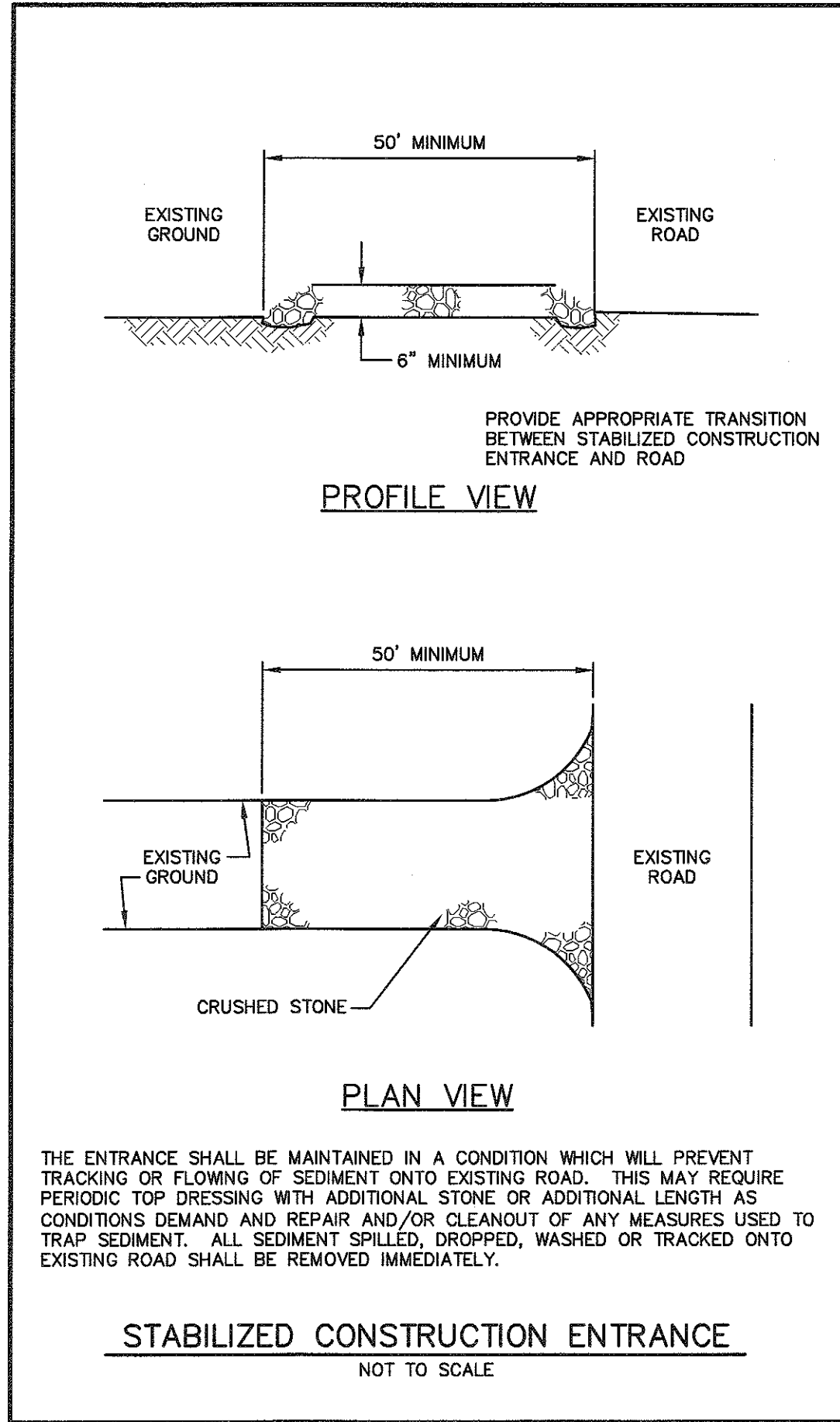
C8.1

LIGHTING STUDY PREPARED BY MOTT MACDONALD, JANUARY 2016

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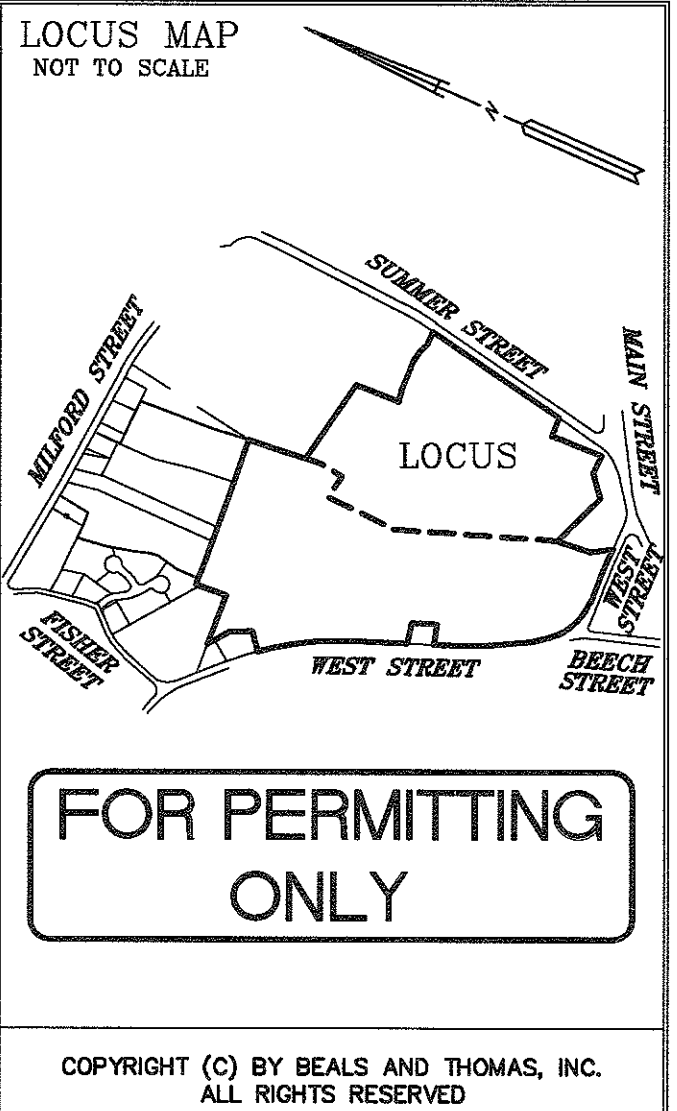
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Medway II, LLC**

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PROJECT:

**WEST MEDWAY II
FACILITY**

MEDWAY, MASSACHUSETTS

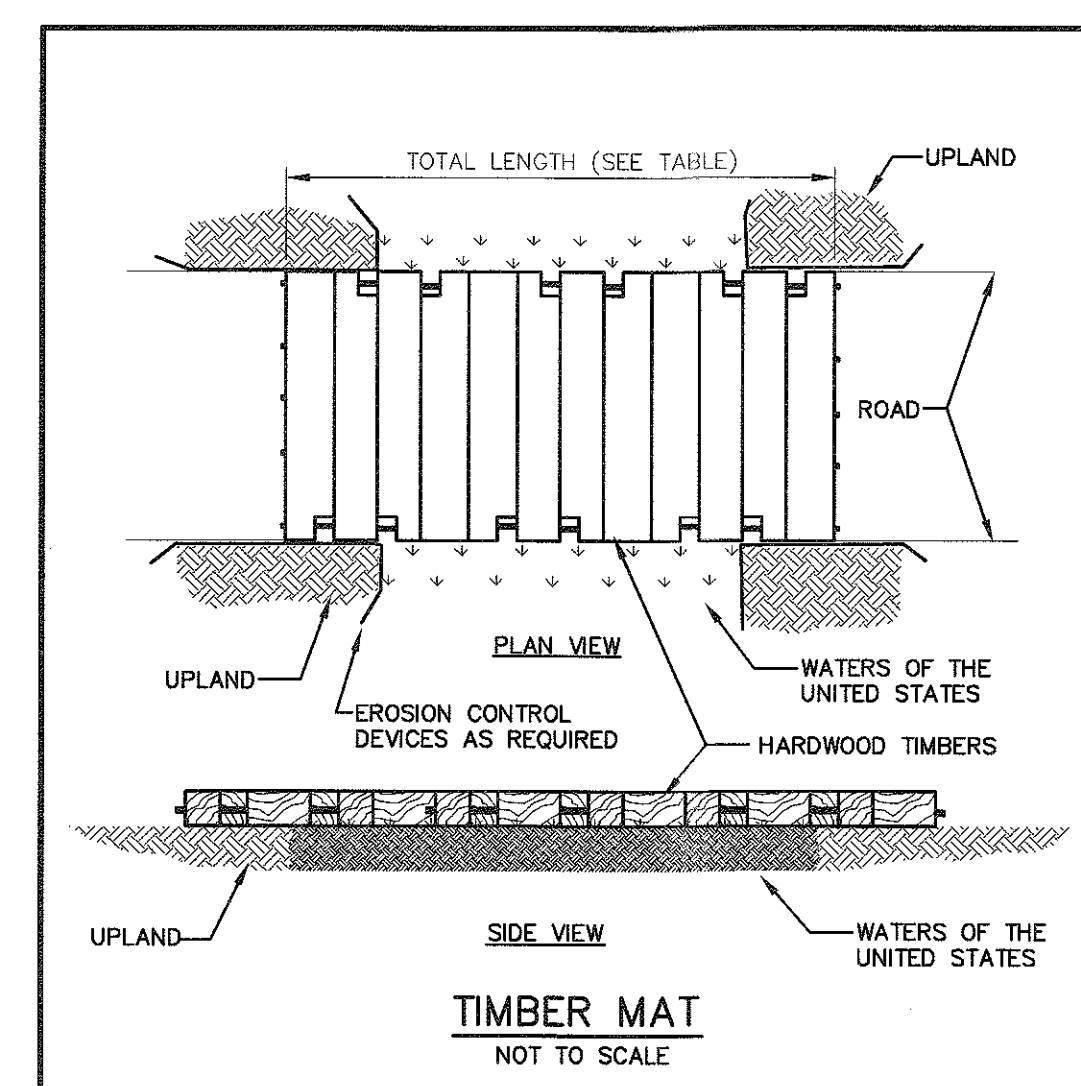
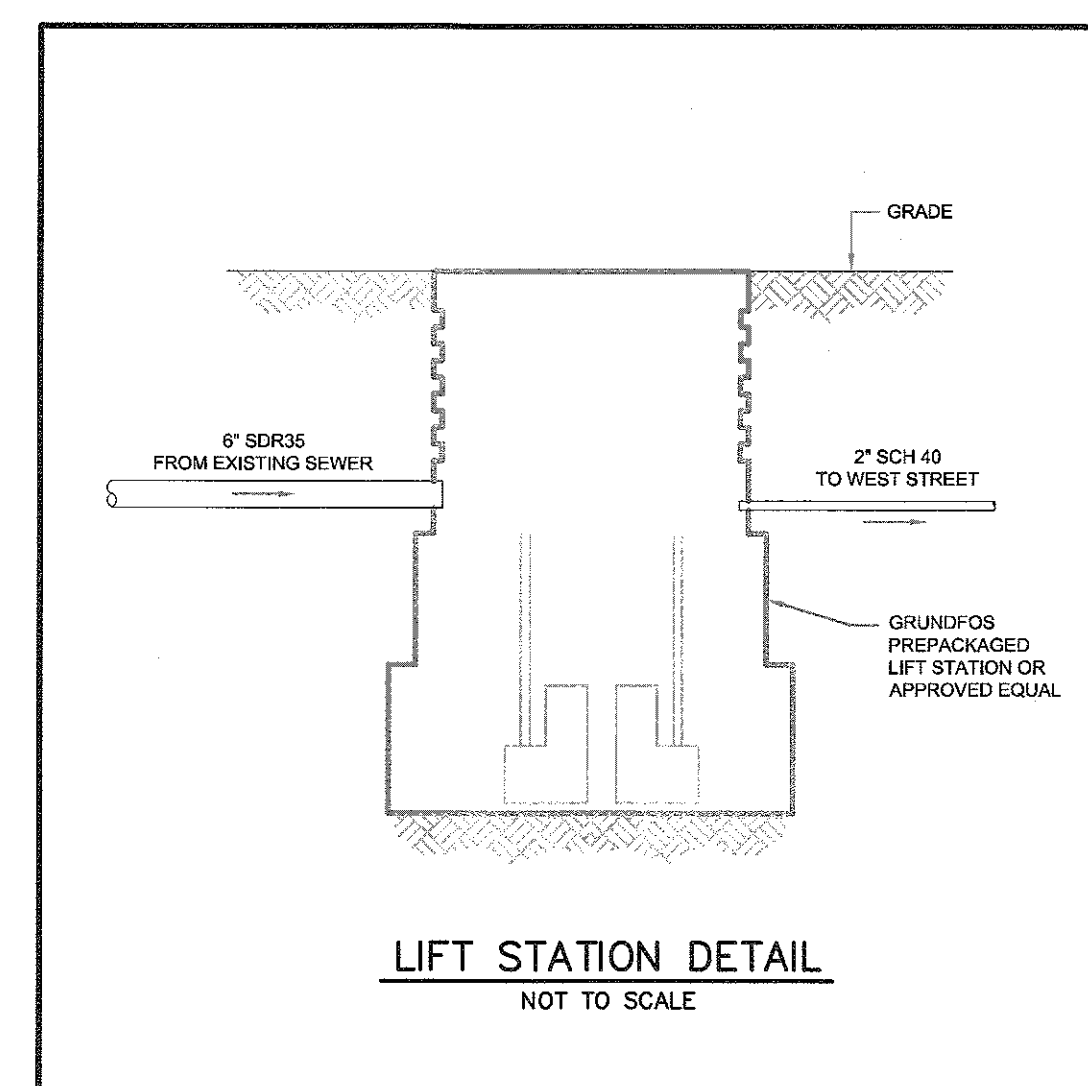
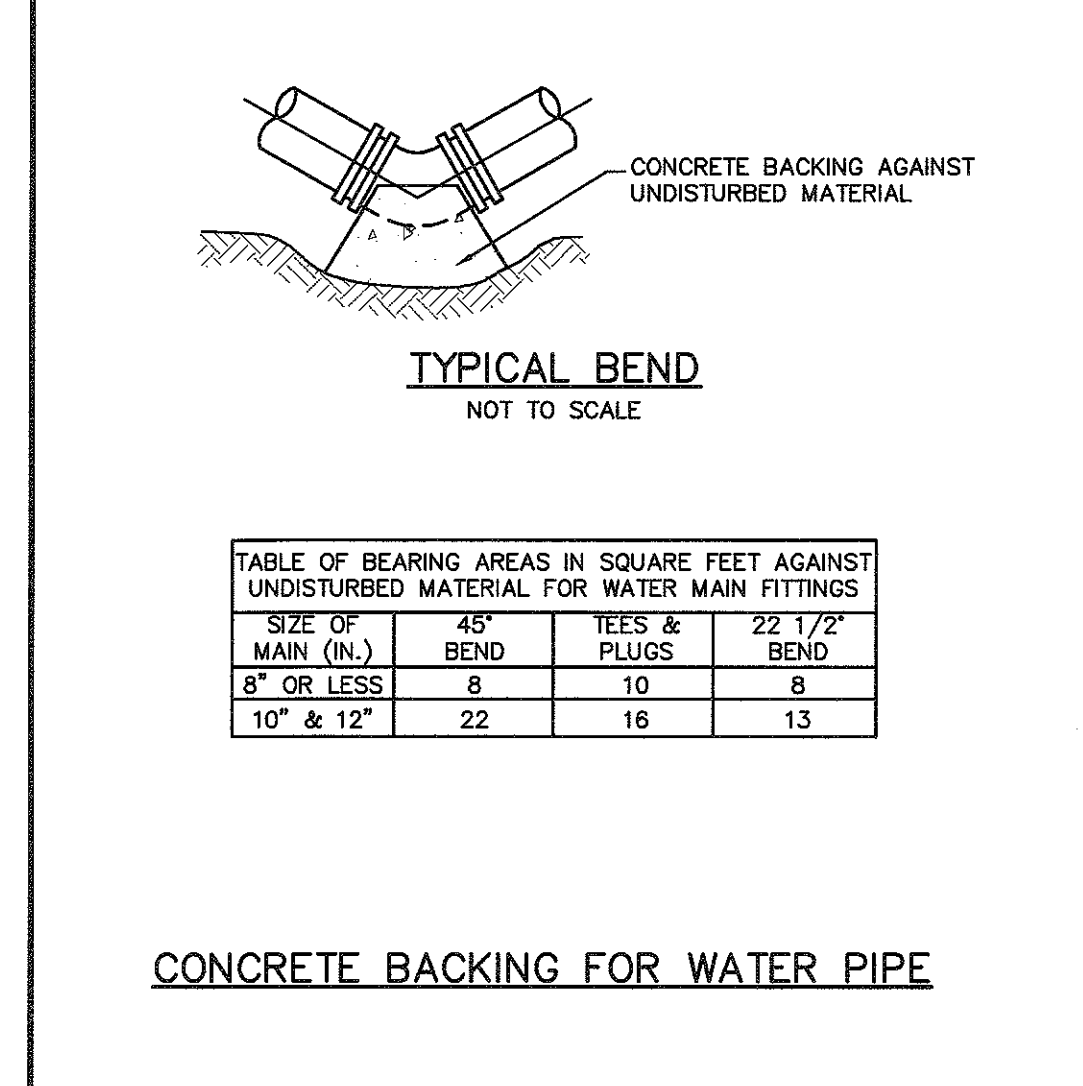
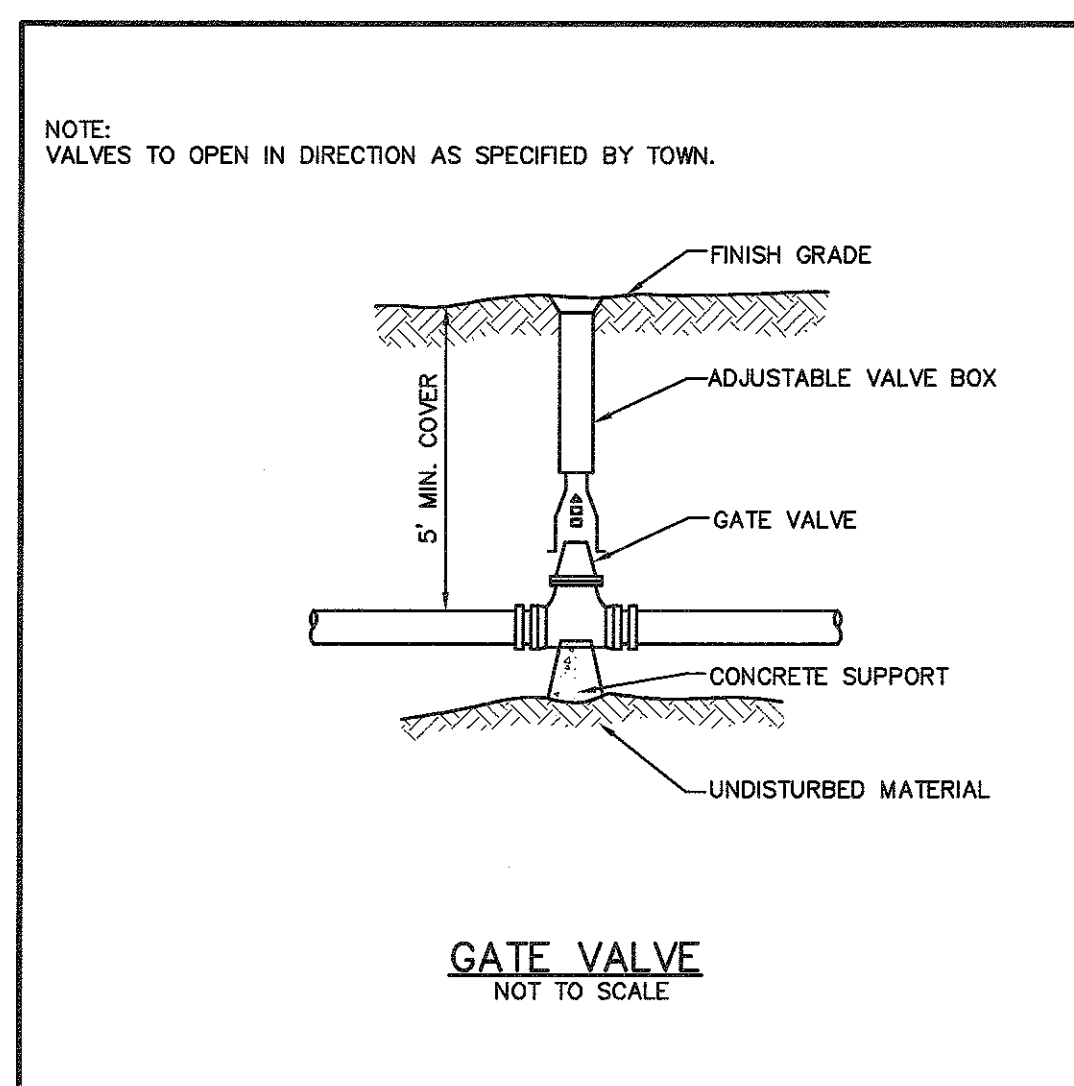
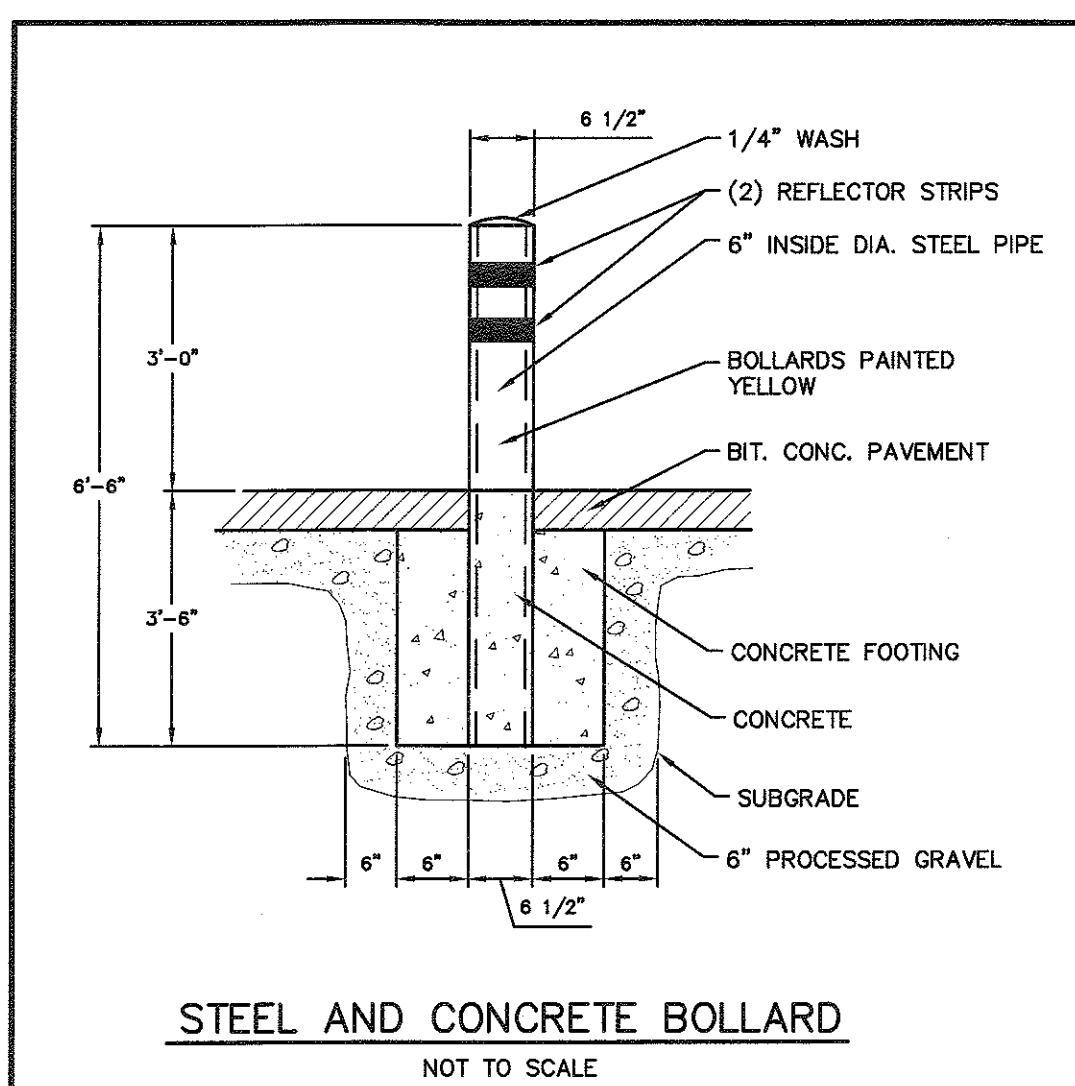
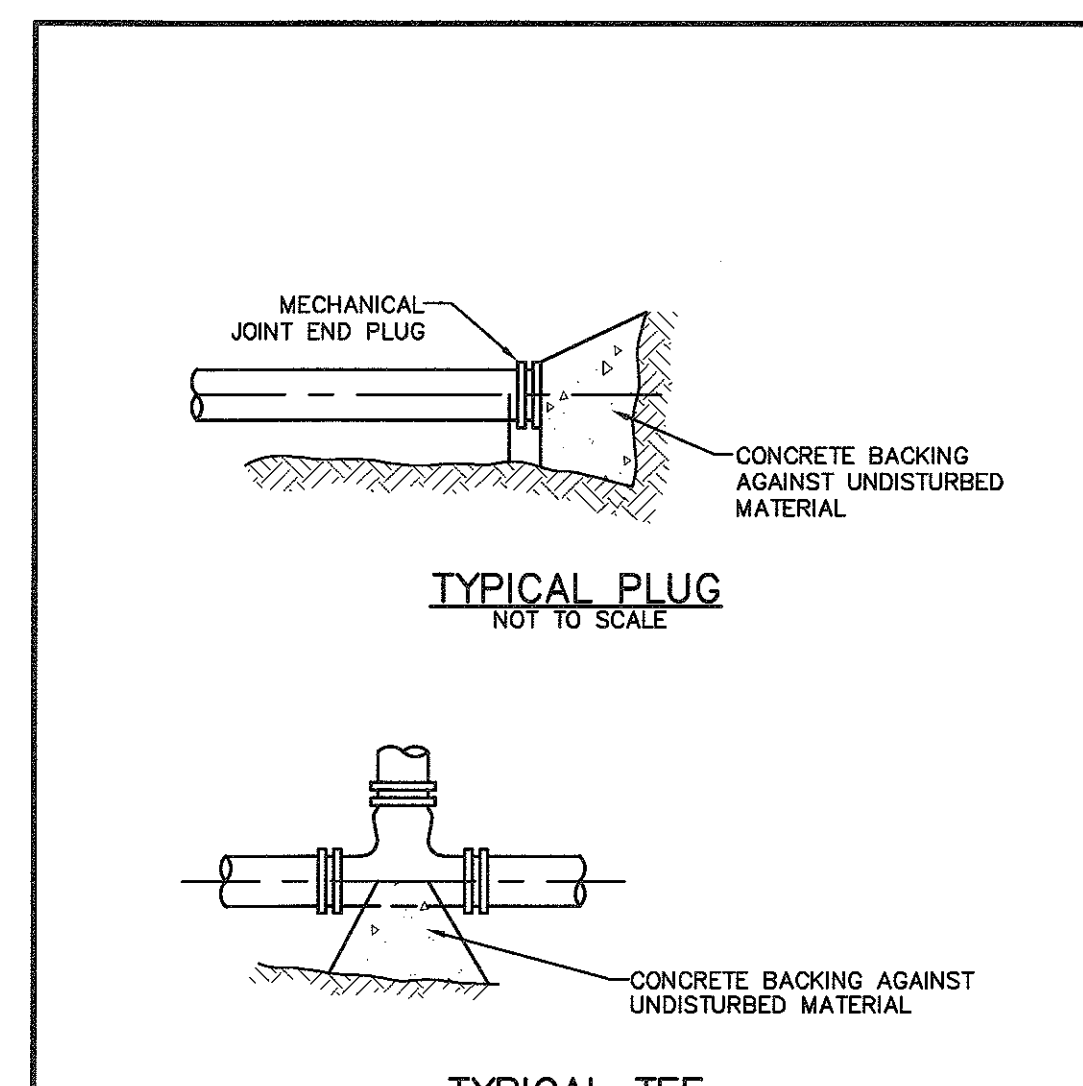
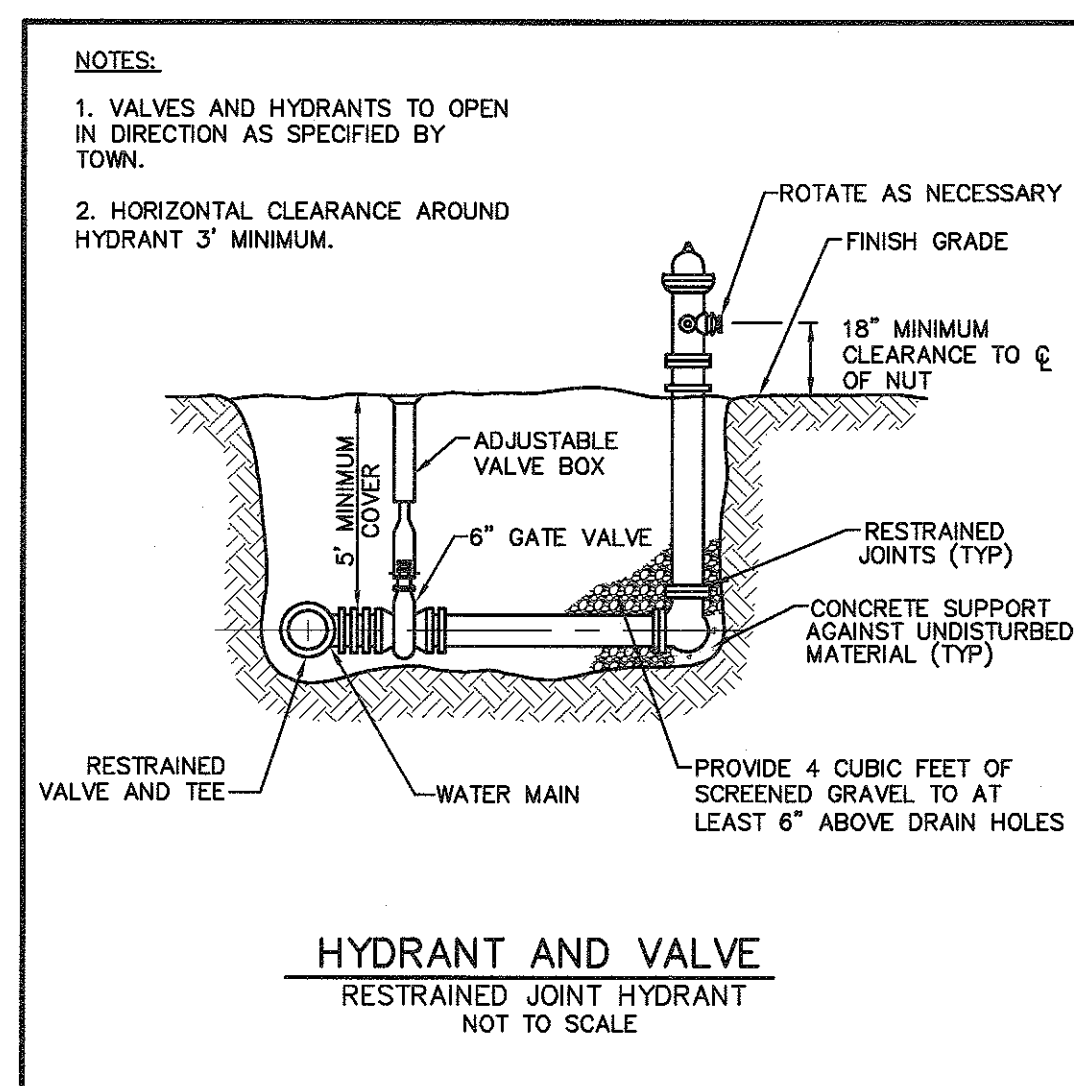
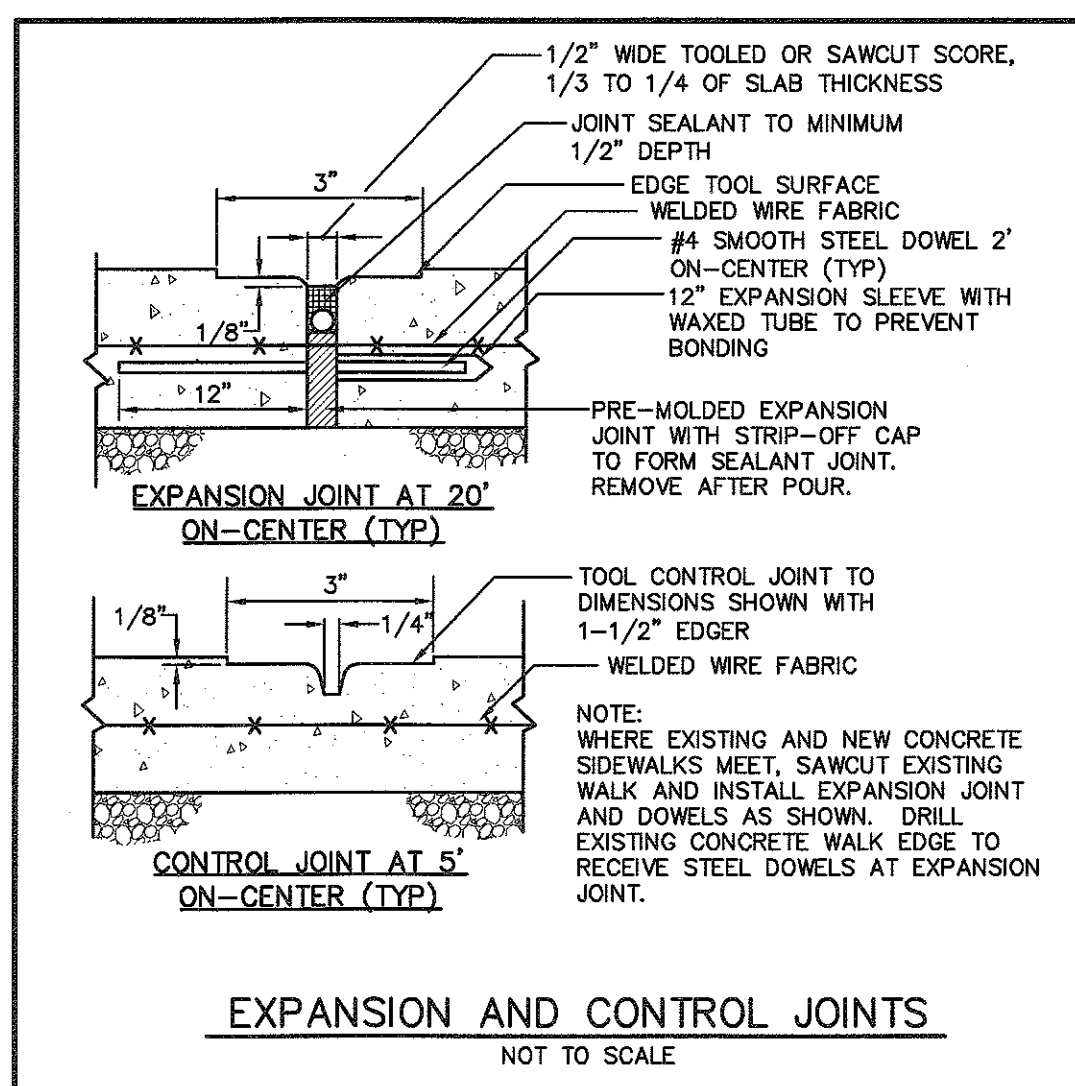
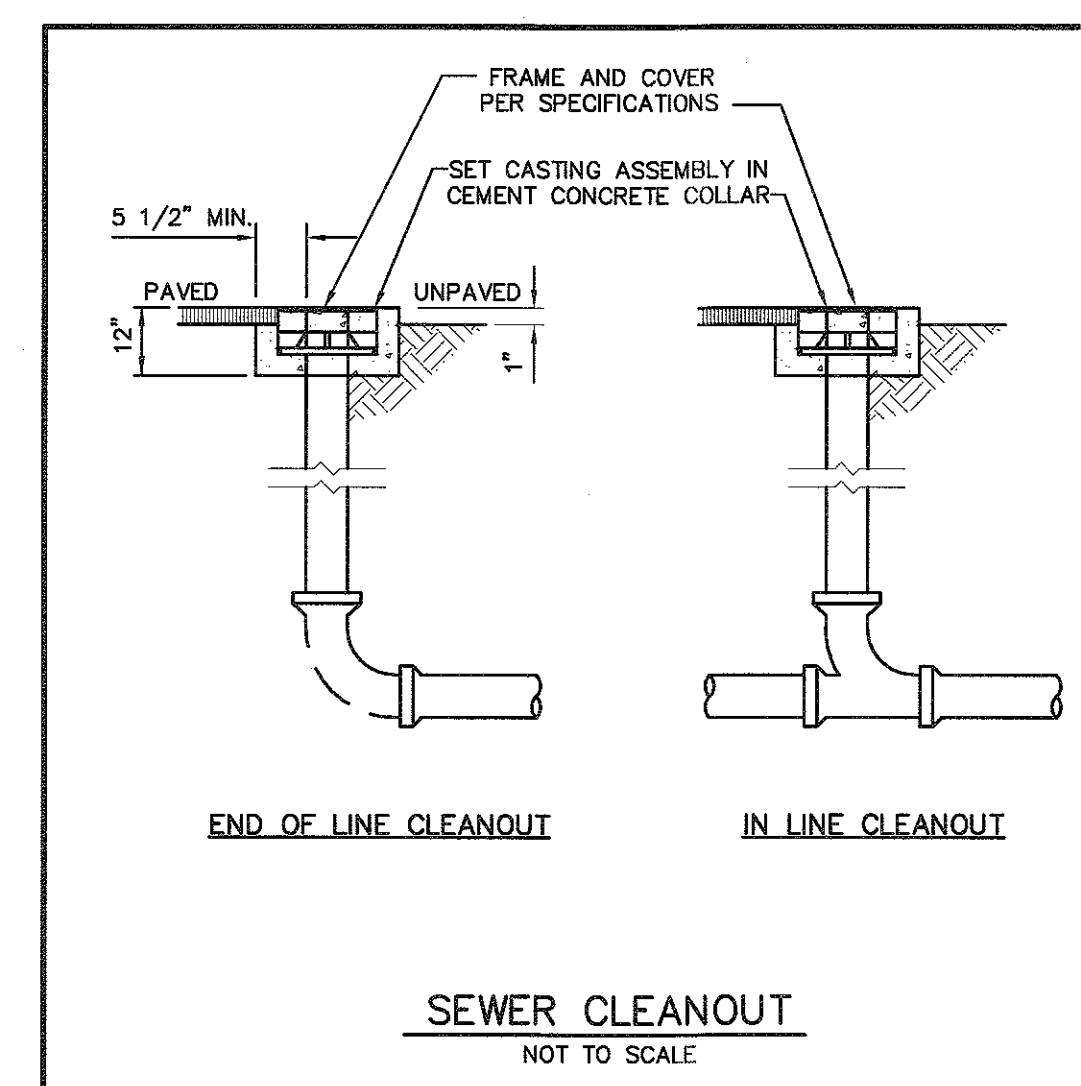
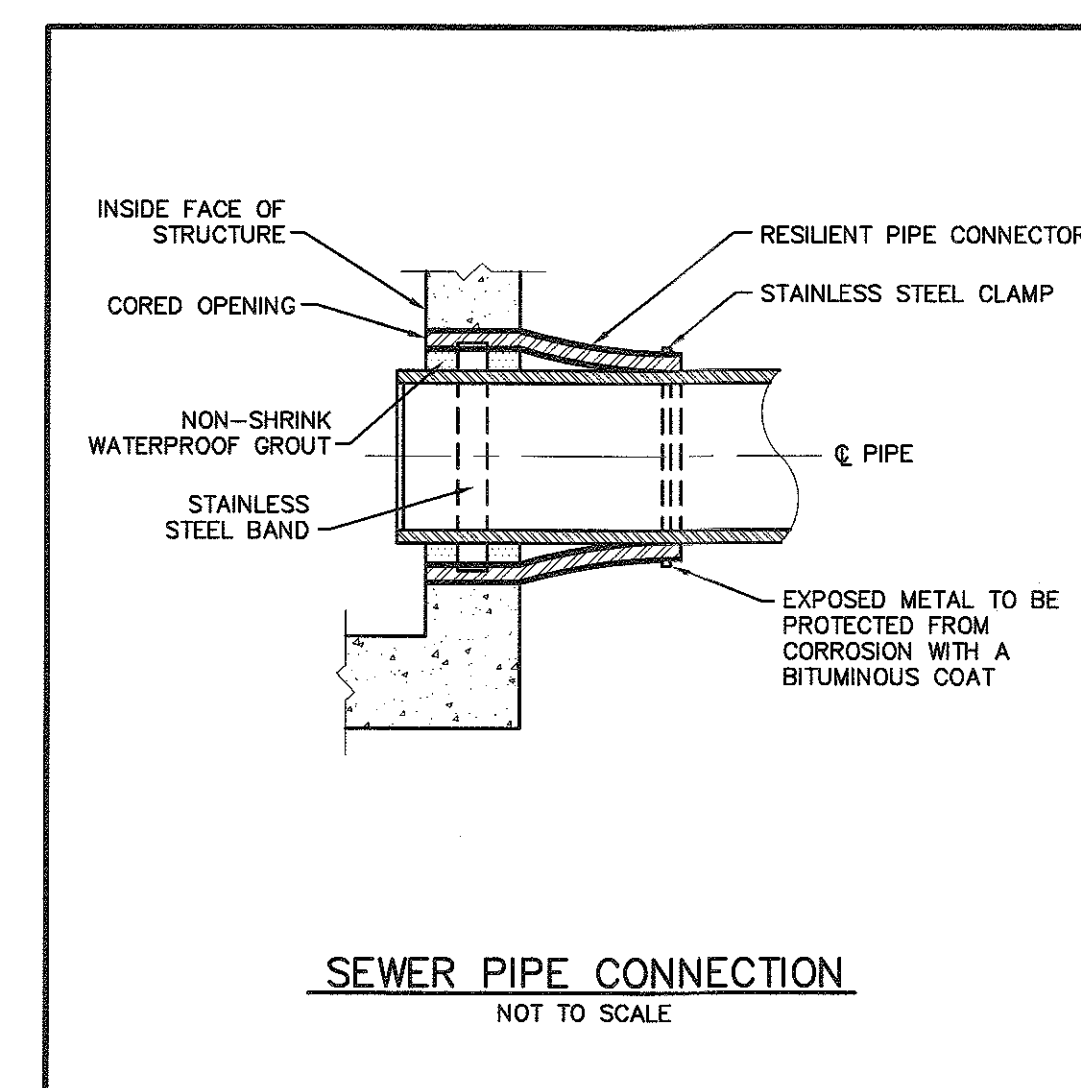
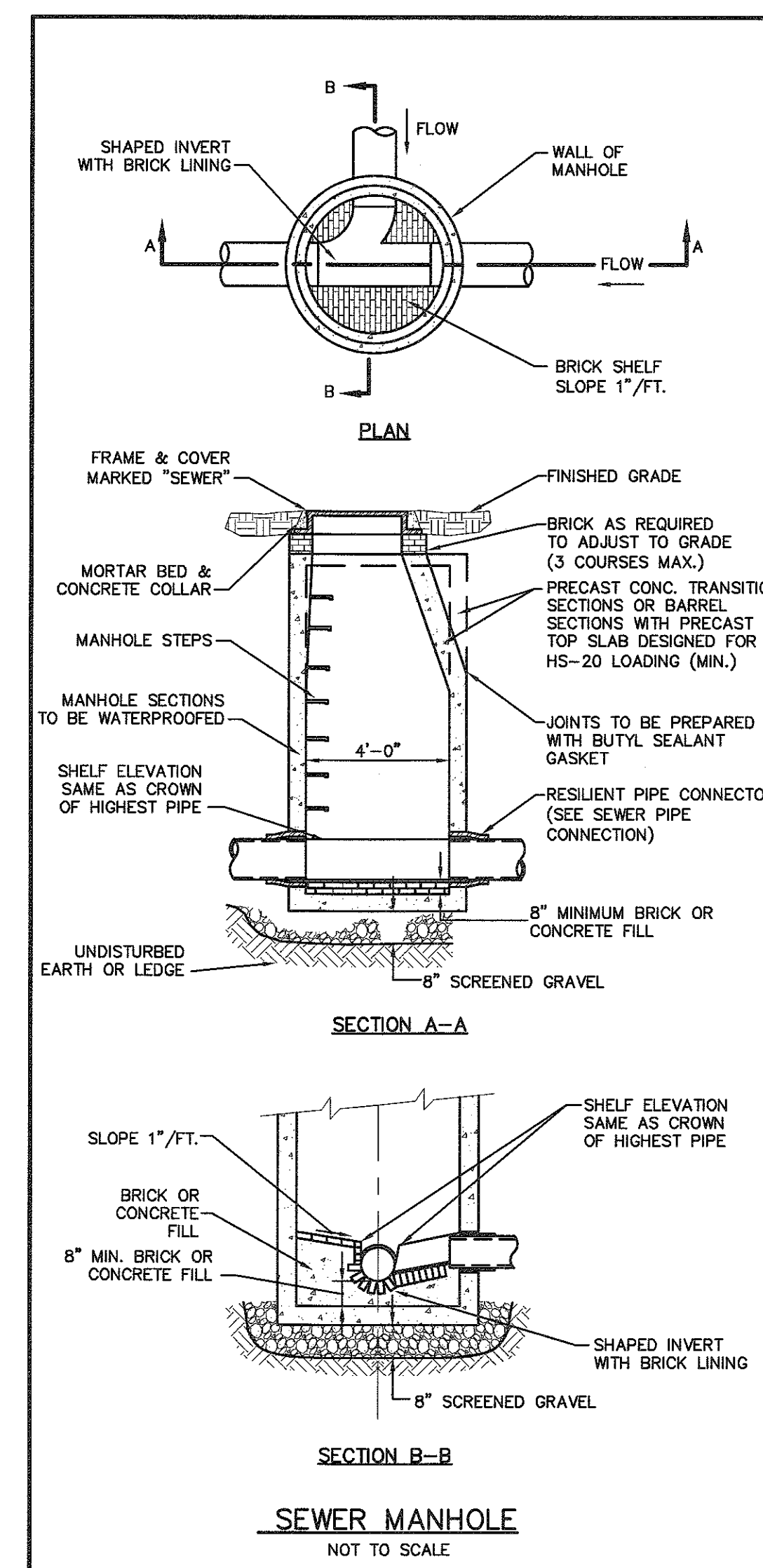
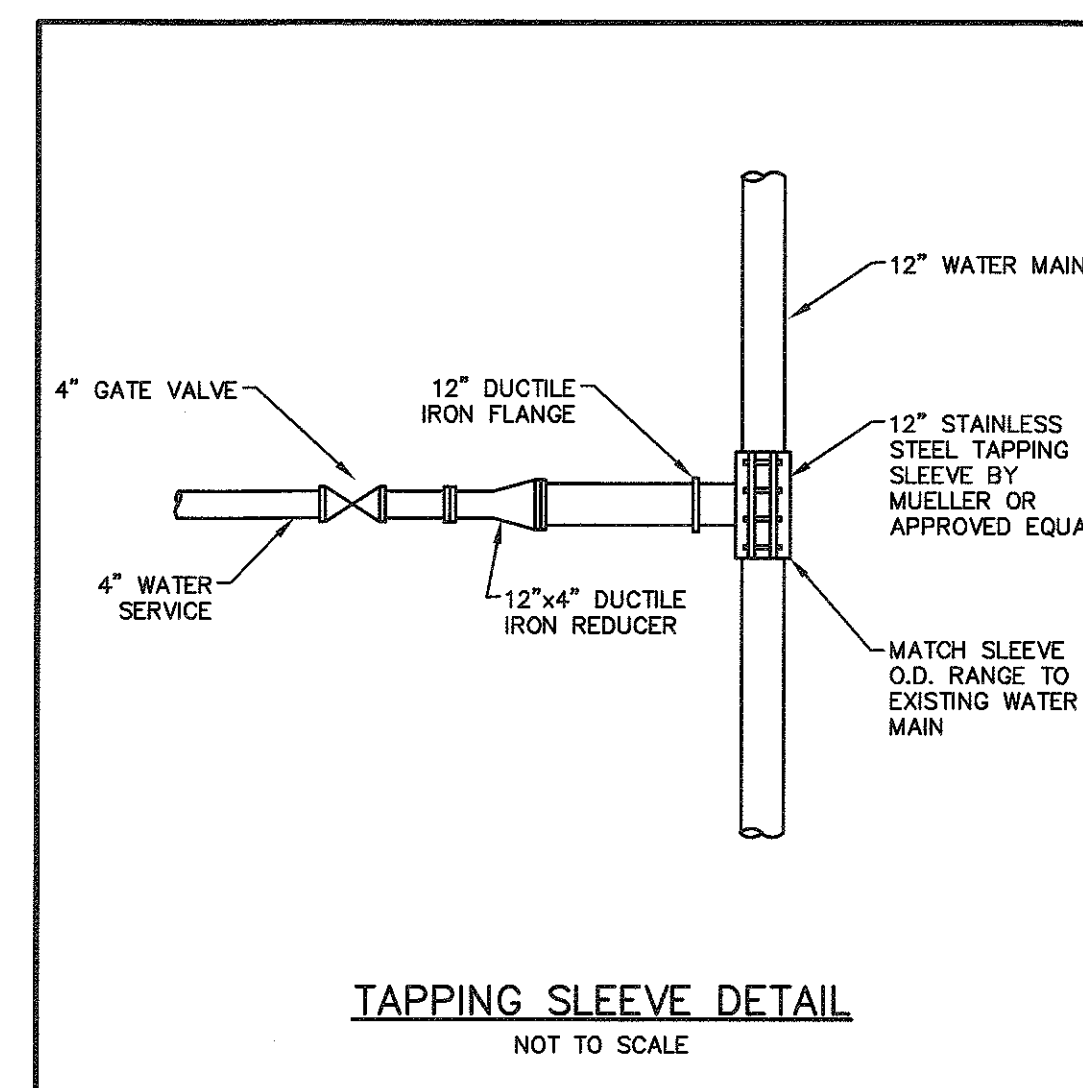
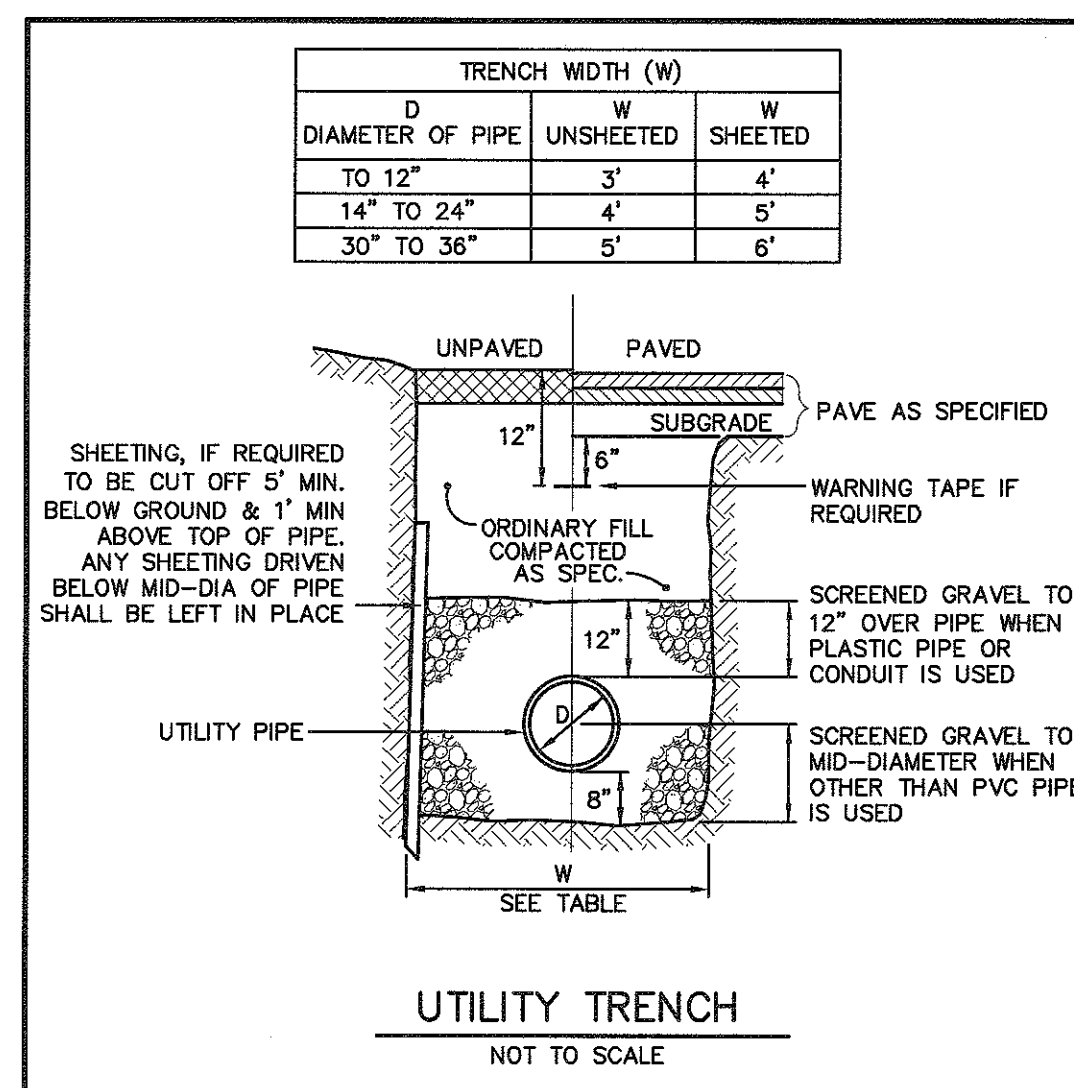
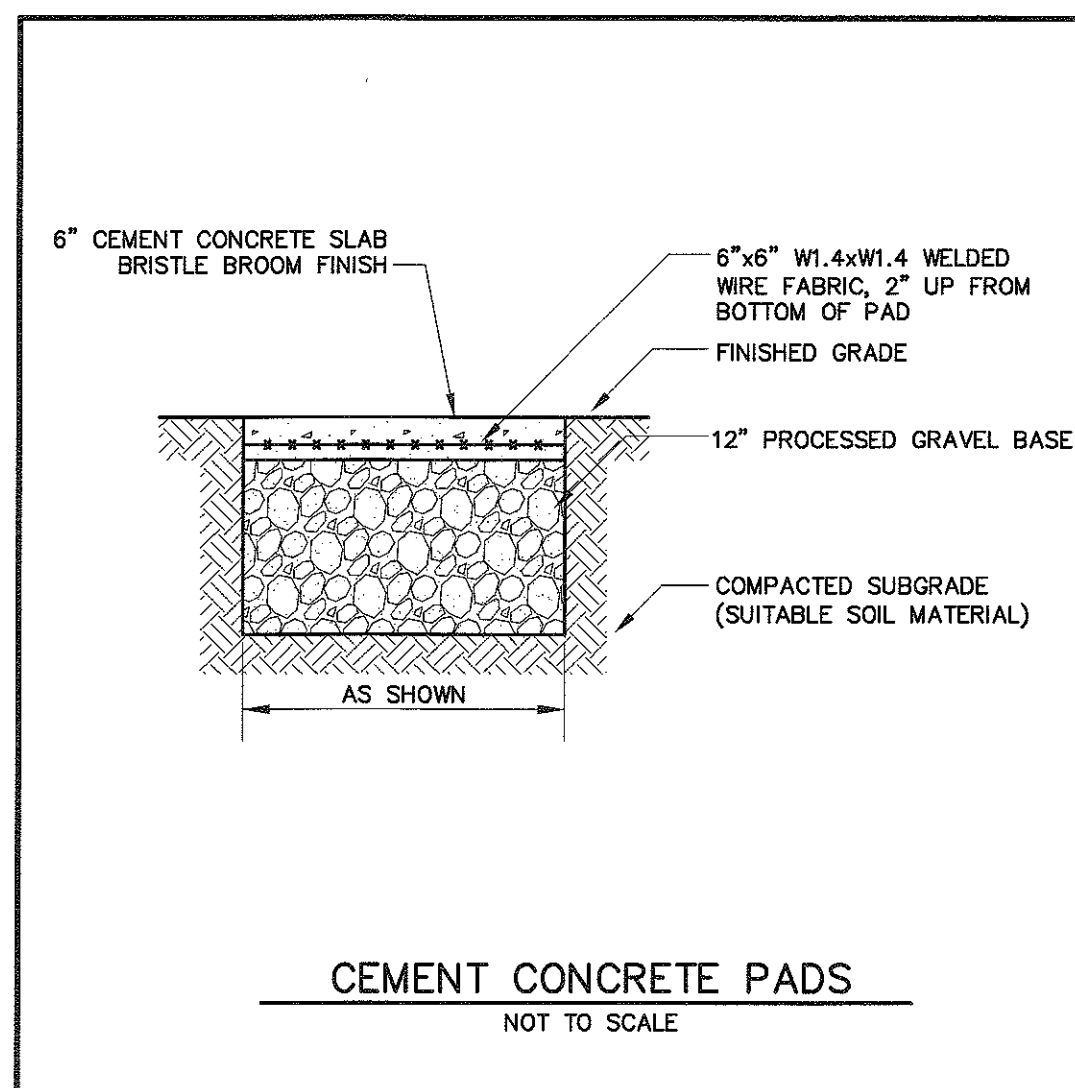
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SITE DETAILS

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B+T PLAN NO. 142210P019D-001

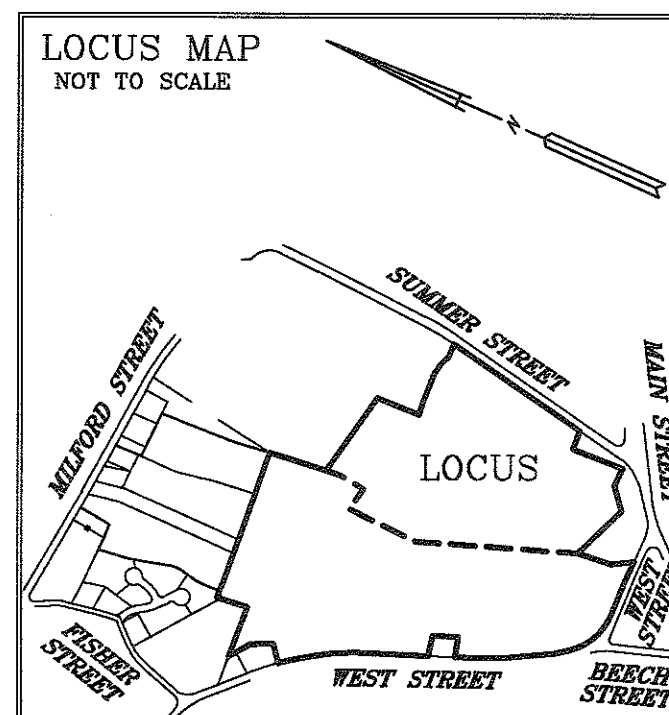
C9.1



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Medway II, LLC**

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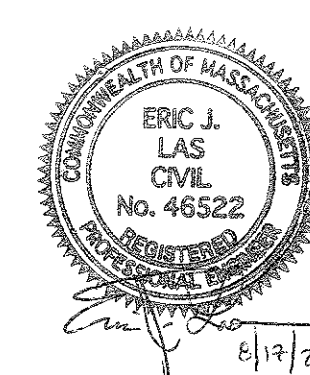
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PROJECT:

**WEST MEDWAY II
FACILITY**
MEDWAY, MASSACHUSETTS

SCALE: AS NOTED DATE: FEBRUARY 09, 2016

SITE DETAILS

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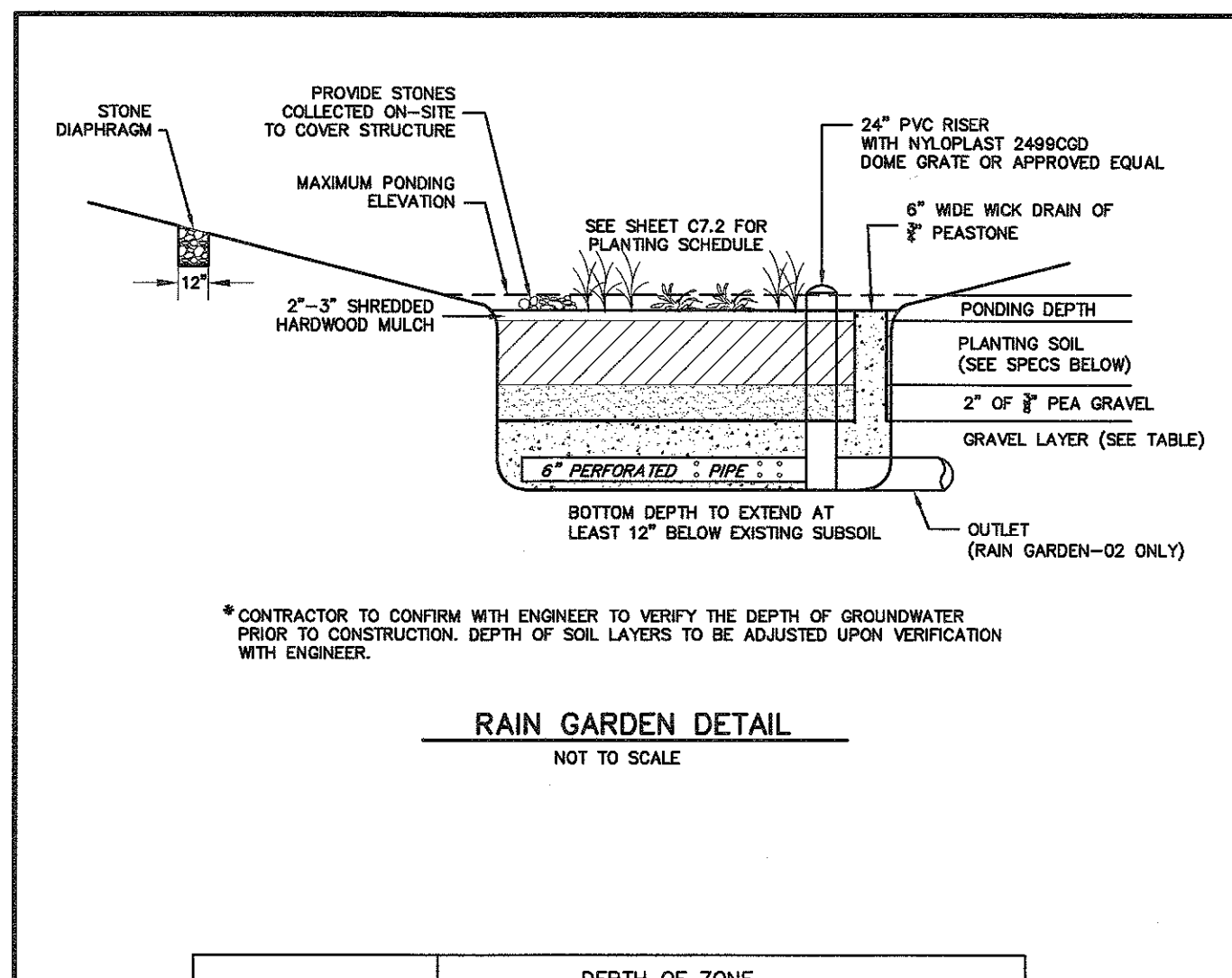
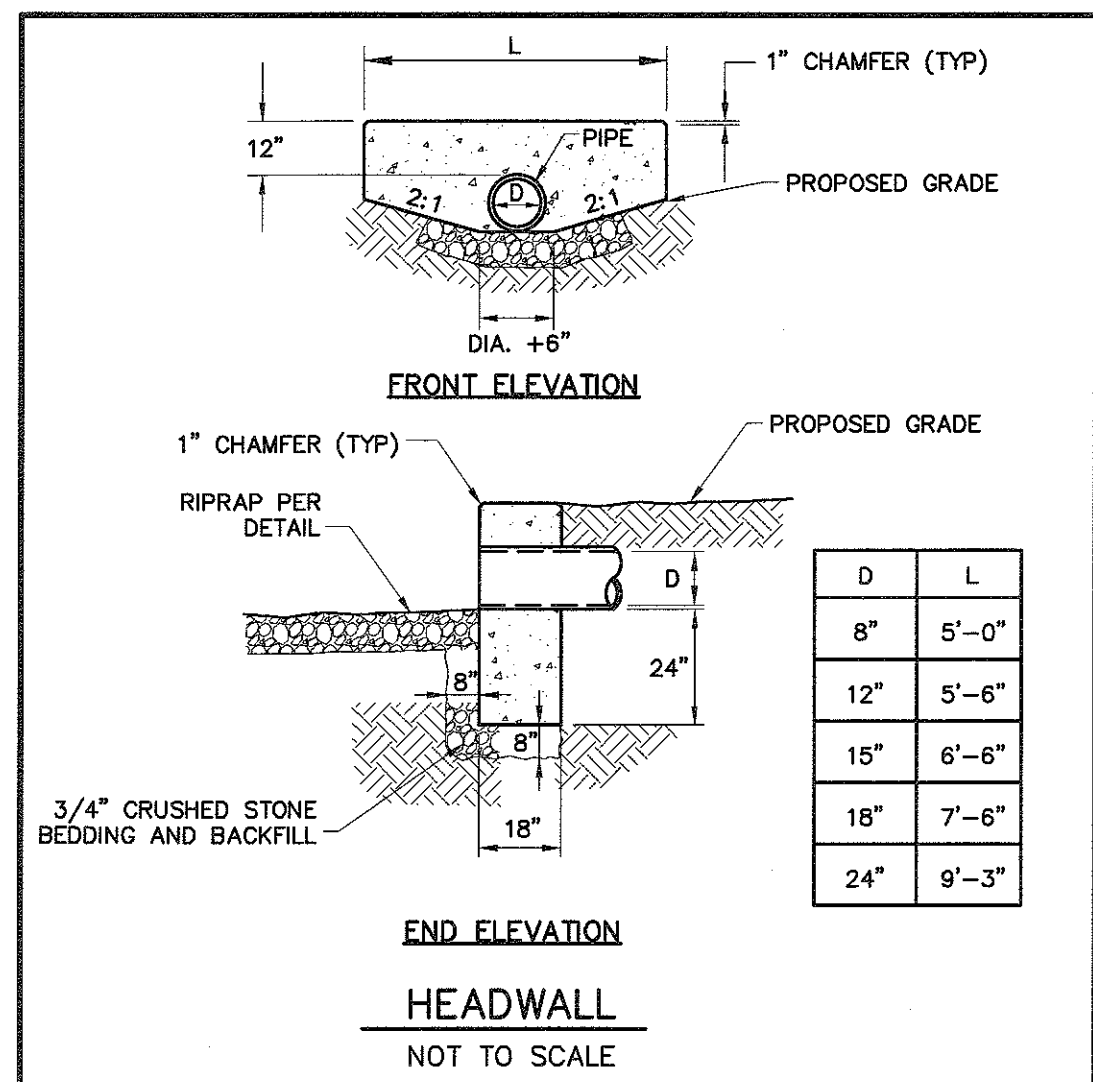
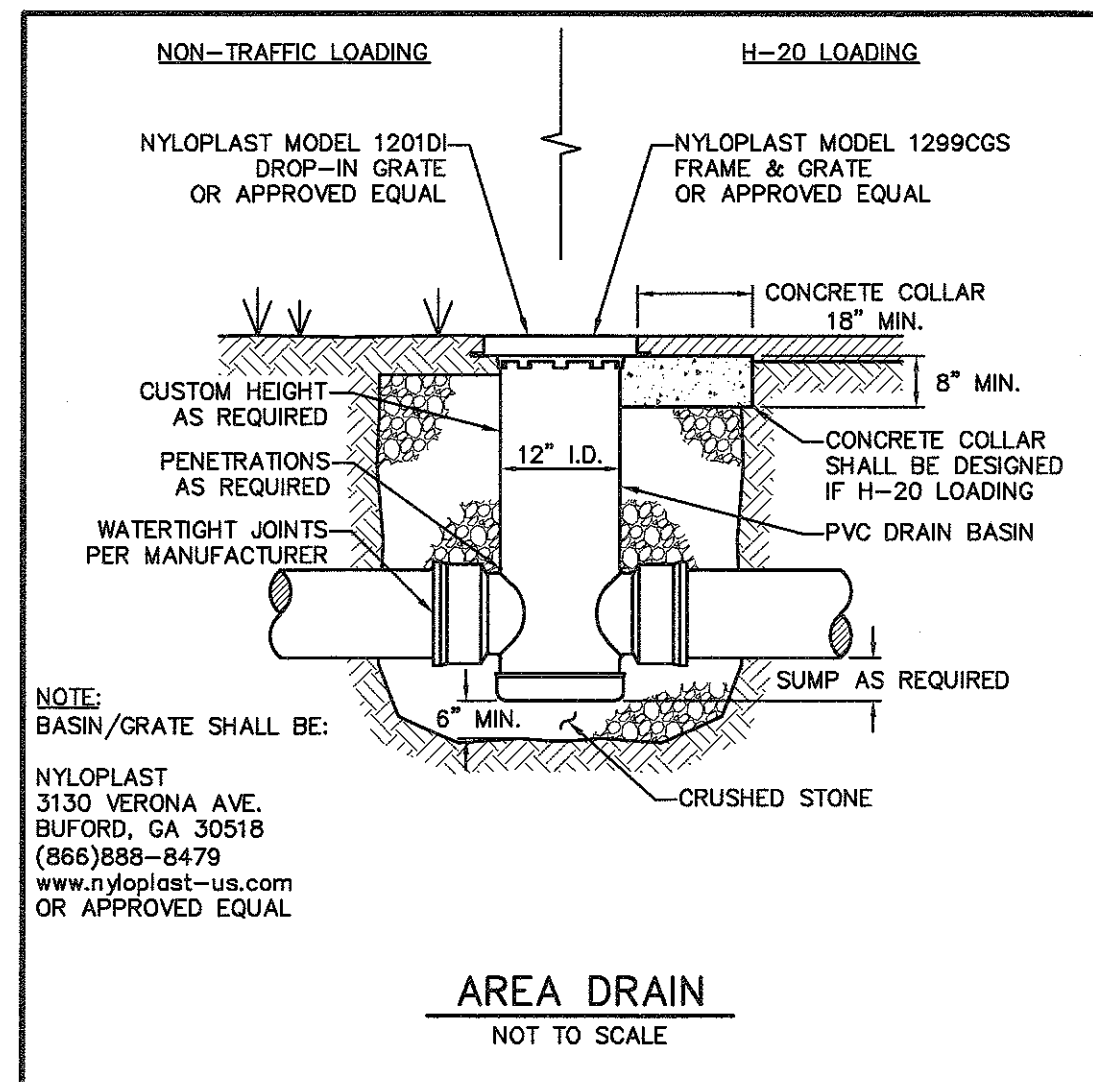
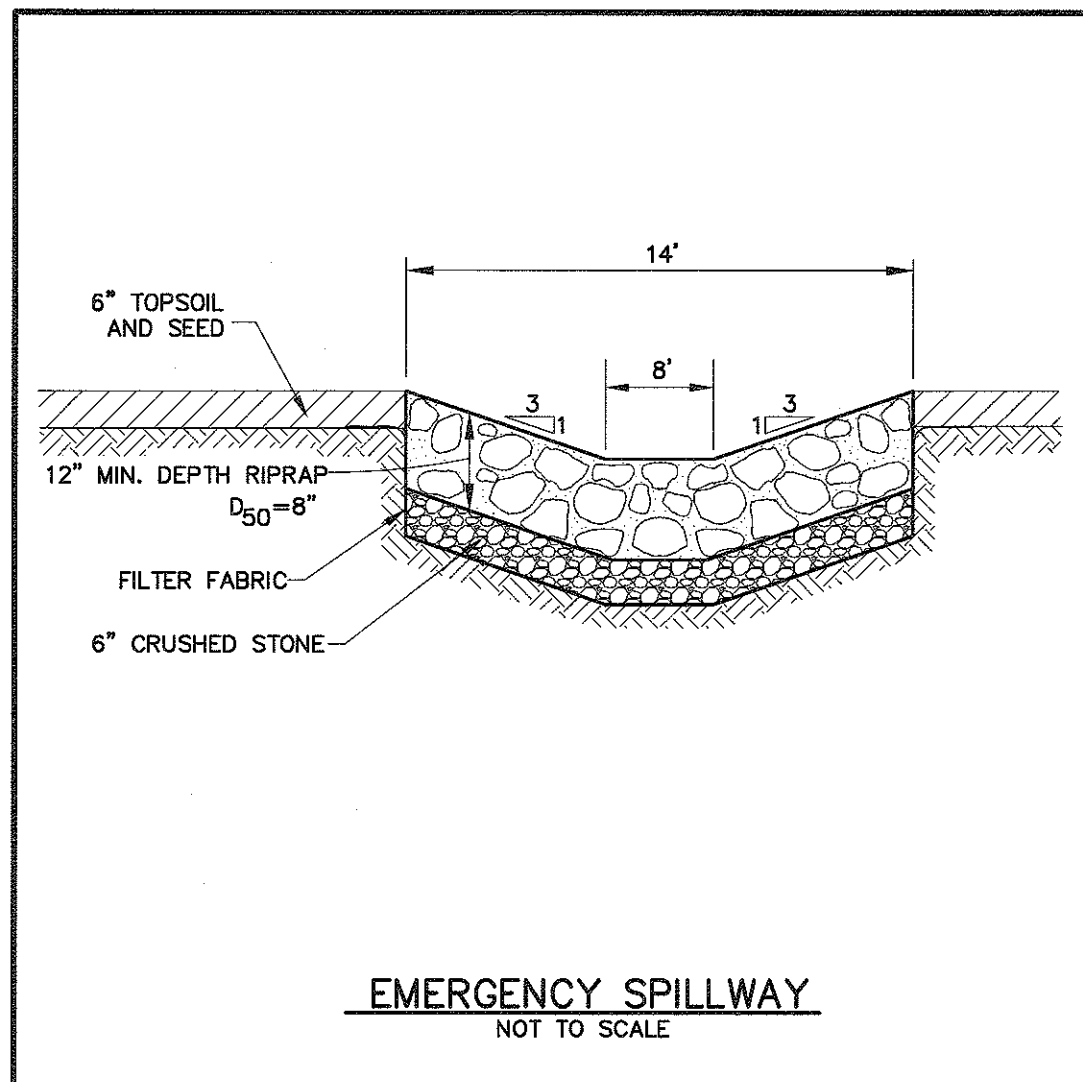
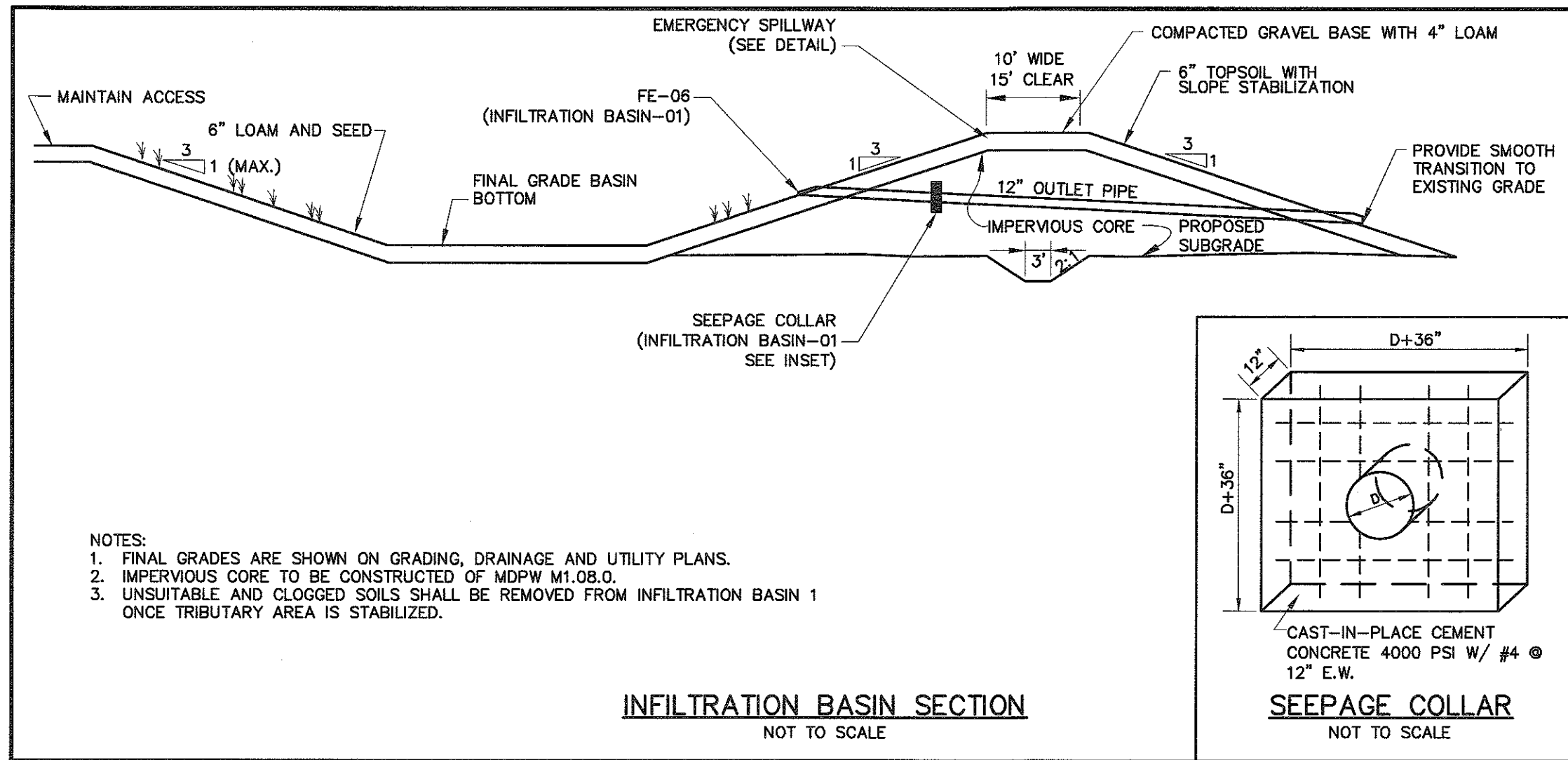
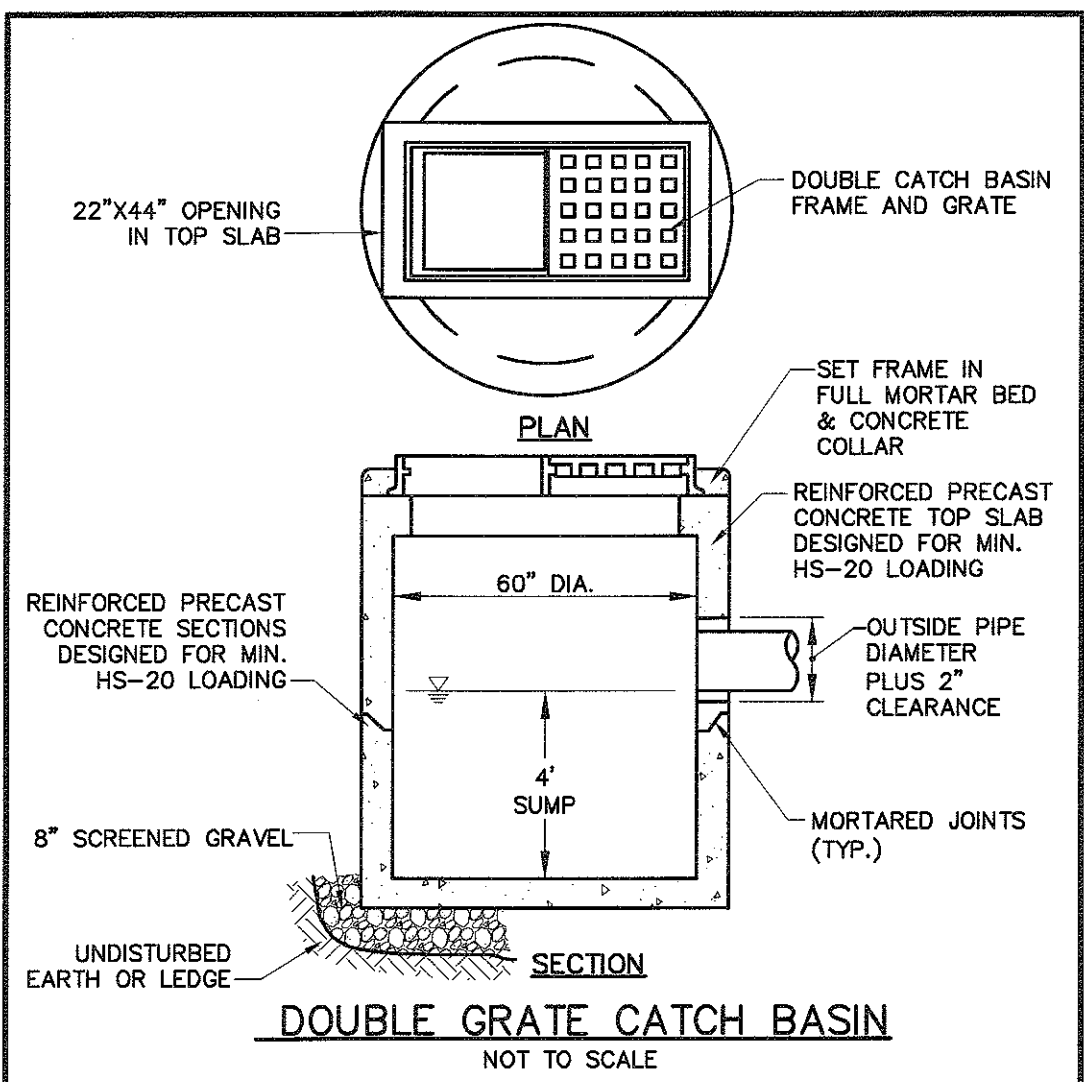
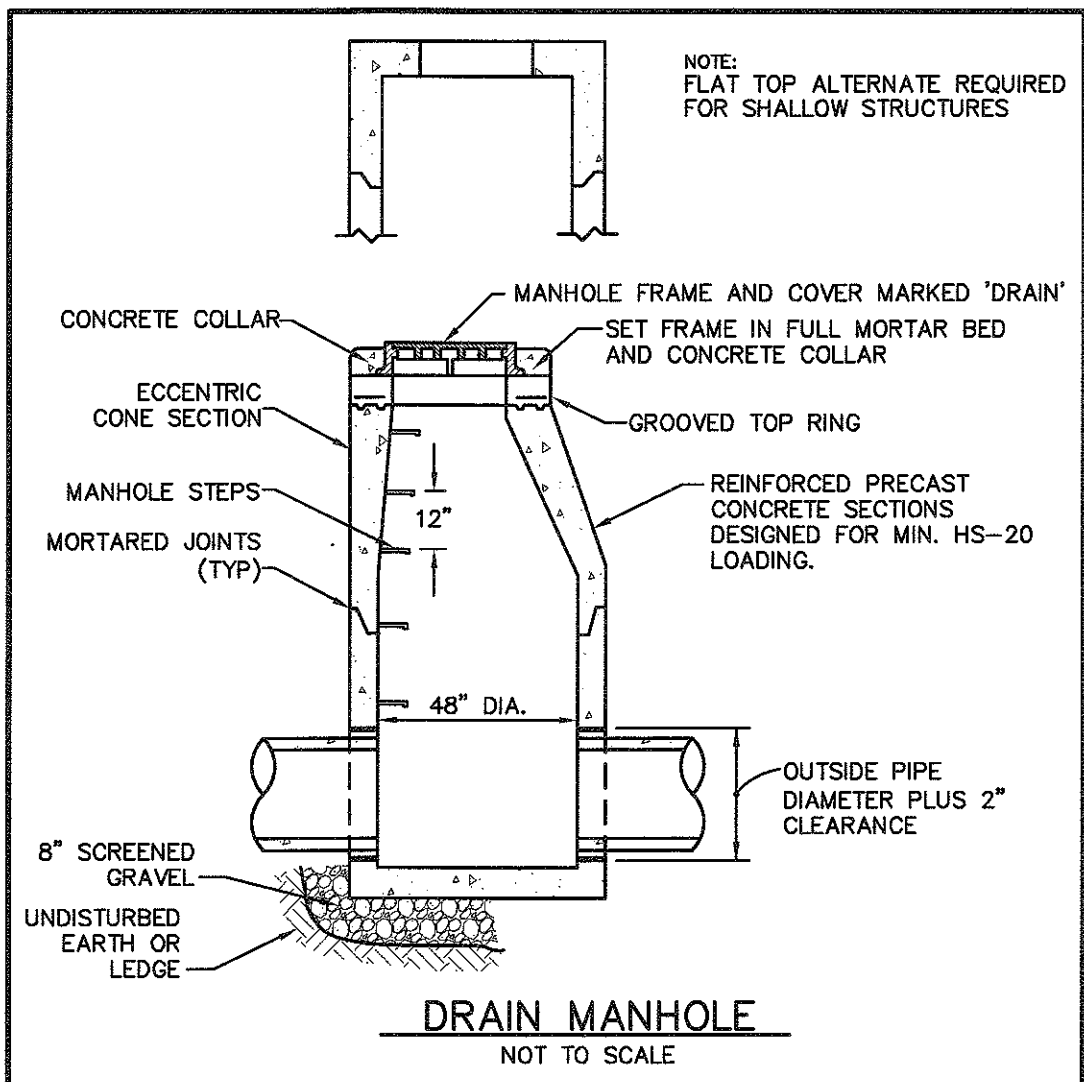
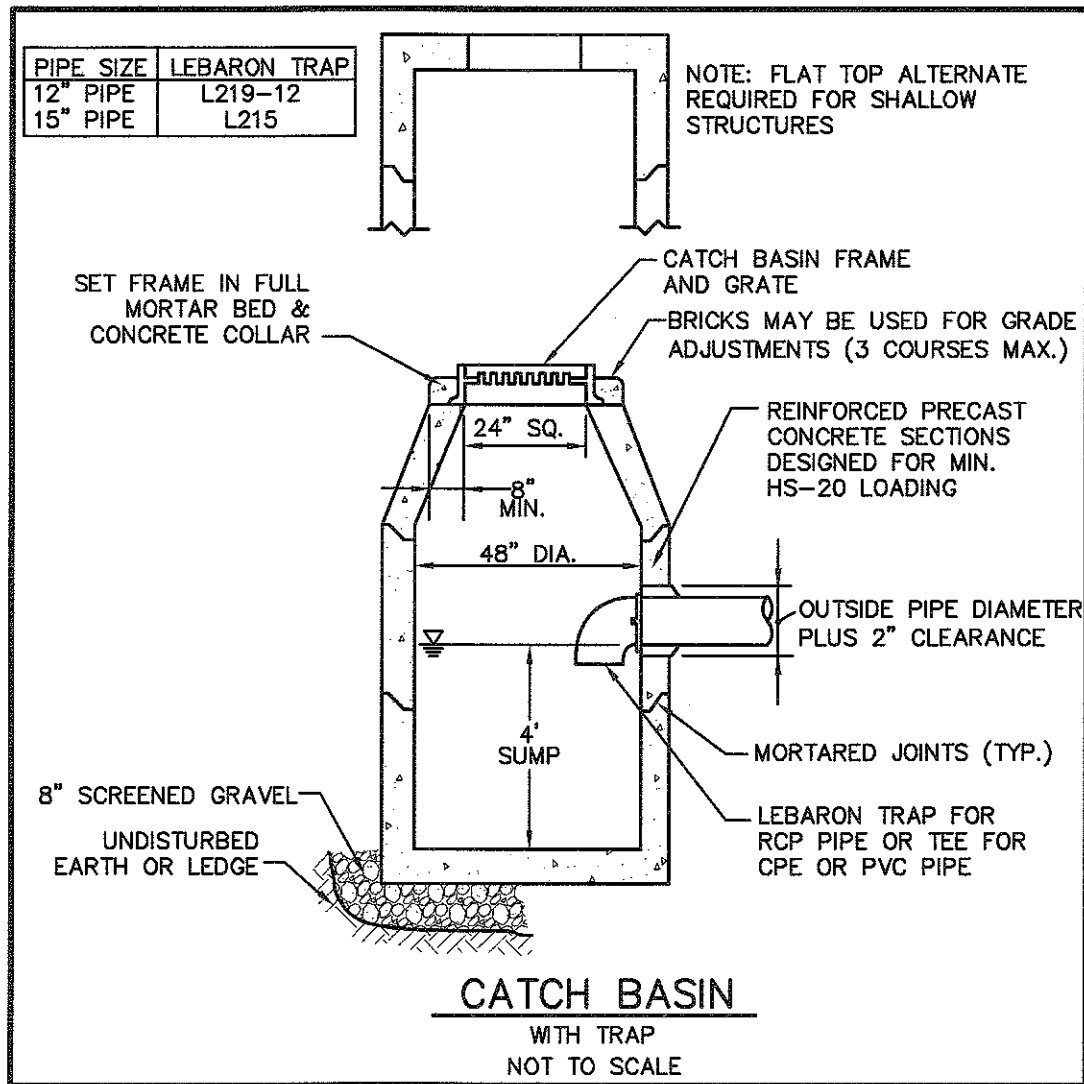
B+T PLAN NO.
142210P019D-002

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RAIN GARDEN	DEPTH OF ZONE			
	PONDING	MULCH	PLANTING SOIL	GRAVEL
1	0.9 FT	0.17 FT	2.00 FT	1.00 FT

- NOTE:
- PREVENT TRAFFICKING OF THE SURFACE OR SUBGRADE BY HEAVY CONSTRUCTION EQUIPMENT.
 - PREVENT DISCHARGE OF SEDIMENT-LADEN WATERS FROM CONSTRUCTION ACTIVITIES INTO THESE FACILITIES.
 - DO NOT PLACE FACILITIES INTO SERVICE UNTIL THE CONTRIBUTING AREAS HAVE BEEN STABILIZED WITH PAVEMENT OR VEGETATION.

RAIN GARDEN SOIL SPECIFICATIONS:

THE RAIN GARDEN SOIL MIXTURE (BSM) SHALL BE A UNIFORM MIX, FREE OF STONES, STUMPS, ROOTS OR SIMILAR OBJECTS LARGER THAN 2 INCHES EXCLUDING MULCH. NO OTHER MATERIAL OR SUBSTANCES SHALL BE MIXED OR DUMPED WITHIN THE RAIN GARDEN THAT MAY BE HARMFUL TO PLANT GROWTH, OR PROVE A HINDRANCE TO PLANTING OR MAINTENANCE OPERATIONS.

RAIN GARDEN SOIL MIXTURE SHALL CONSIST OF THE FOLLOWING:

COMPOSITION	BY VOLUME SPECIFICATIONS
PLANTING SOIL (SEE BELOW)	20-30%
COMPOST	30-40%
SAND (shall meet ASTM D 422 standards)	40%

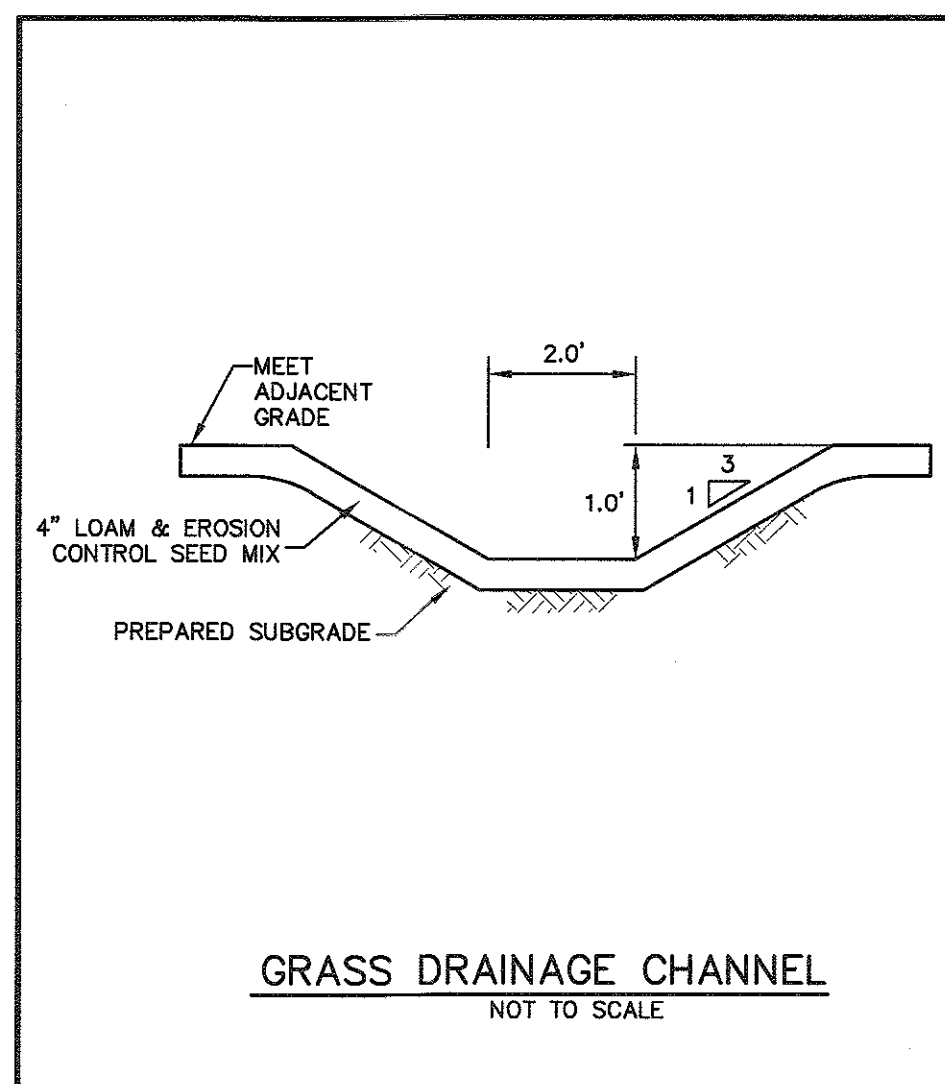
PLANTING SOIL SPECIFICATIONS:

THE USDA TEXTURAL CLASSIFICATION FOR PLANTING SOIL SHALL BE LOAMY SAND OR SANDY LOAM AND SHALL BE TESTED AND MEET THE FOLLOWING CRITERIA:

	PERCENT BY WEIGHT
SAND (0.05 - 2.0mm)	50 - 85%
SILT (0.002 - 0.05 mm)	0 - 50%
CLAY (< 0.002mm)	10 - 20%
ORGANIC MATTER	1.5 - 3%

RAIN GARDEN CONSTRUCTION NOTES:

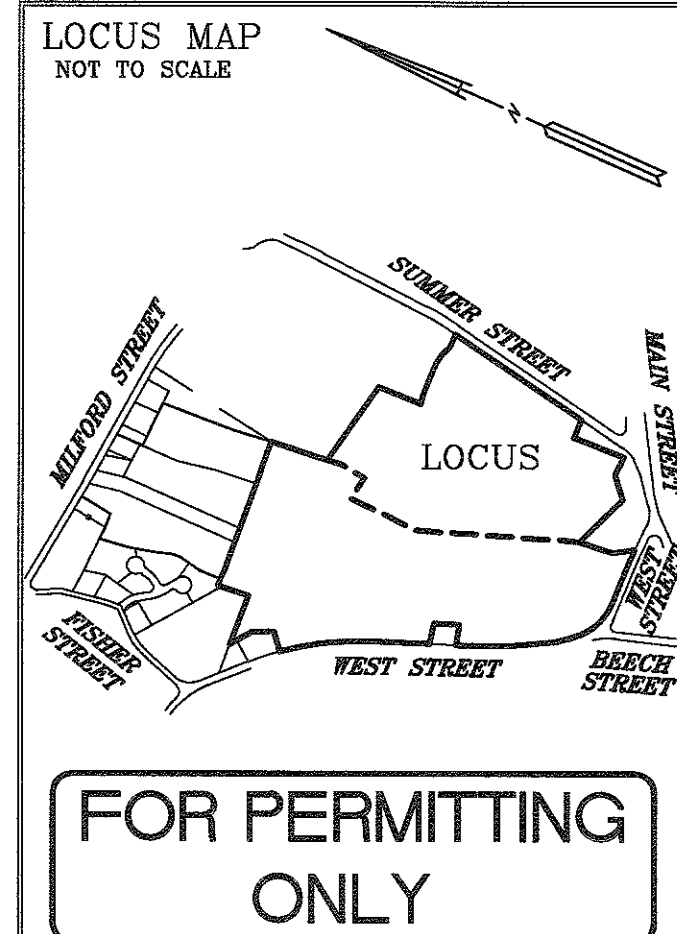
- THE RAIN GARDEN SOIL MIXTURE SHALL BE PLACED AND GRADED USING LOW GROUND-CONTACT PRESSURE EQUIPMENT OR BY EXCAVATORS AND/OR BACKHOES OPERATING ON THE GROUND ADJACENT TO THE RAIN GARDEN (RG).
- NO HEAVY EQUIPMENT SHALL BE USED WITHIN THE PERIMETER OF THE RG BEFORE, DURING OR AFTER PLACEMENT OF THE SOIL MIXTURE.
- THE SOIL MIXTURE SHALL BE PLACED IN HORIZONTAL LAYERS NOT TO EXCEED 12 INCHES FOR THE ENTIRE AREA OF THE RG.
- THE SOIL MIXTURE SHALL BE COMPACTED BY SATURATING THE ENTIRE AREA OF THE BRG AFTER EACH LIFT OF SOIL MIXTURE IS PLACED UNTIL WATER FLOWS FROM THE UNDERDRAIN. WATER FOR SATURATION SHALL BE APPLIED BY SPRAYING OR SPRINKLING. SATURATION OF EACH LIFT SHALL BE PERFORMED IN THE PRESENCE OF THE ENGINEER.
- AN APPROPRIATE SEDIMENT CONTROL DEVICE SHALL BE USED TO TREAT ANY SEDIMENT-LADEN WATER DISCHARGED FROM THE UNDERDRAIN.
- IF THE SOIL MIXTURE BECOMES CONTAMINATED DURING CONSTRUCTION OF THE RG, THE CONTAMINATED MATERIAL SHALL BE REMOVED AND REPLACED WITH UNCONTAMINATED MATERIAL.
- FINAL GRADING OF THE SOIL MIXTURE SHALL BE PERFORMED AFTER A 24 HOUR SETTLING PERIOD.



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PROJECT:

**WEST MEDWAY II
FACILITY**

MEDWAY, MASSACHUSETTS

SCALE: AS NOTED DATE: FEBRUARY 09, 2016

SITE DETAILS

B+T JOB NO. 1422.10

B+T PLAN NO. 142210P019D-003

C9.3

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PLAN VIEW B-B
N.T.S.

Labels for Plan View B-B:

- FIBERGLASS SEPARATION CYLINDER AND INLET
- CENTER OF GDS STRUCTURE, SCREEN AND SUMP OPENING
- FLOW
- FLOW
- TOP SLAB ACCESS (SEE FRAME AND COVER DETAIL)
- 60" (1524) I.D. MANHOLE STRUCTURE
- 74-80° MAX
- PVC HYDRAULIC SHEAR PLATE
- XYT

ELEVATION A-A
N.T.S.

Labels for Elevation A-A:

- CONTRACTOR TO GROUT TO FINISHED GRADE
- GRADE
- RINGS/RIBS
- FIBERGLASS SEPARATION CYLINDER AND INLET
- INLET PIPE (MULTIPLE INLET PIPES MAY BE ACCOMMODATED)
- OUTLET PIPE
- PERMANENT POOL ELEV.
- OIL BAFFLE SKIRT
- SEPARATION SCREEN
- PVC HYDRAULIC SHEAR PLATE
- SOLIDS STORAGE SUMP
- VARIABLE
- 60" (1524)
- 2'-11" (508)
- 1'-9" (253)
- 6'-0" (1830)
- 2'-0" (610)

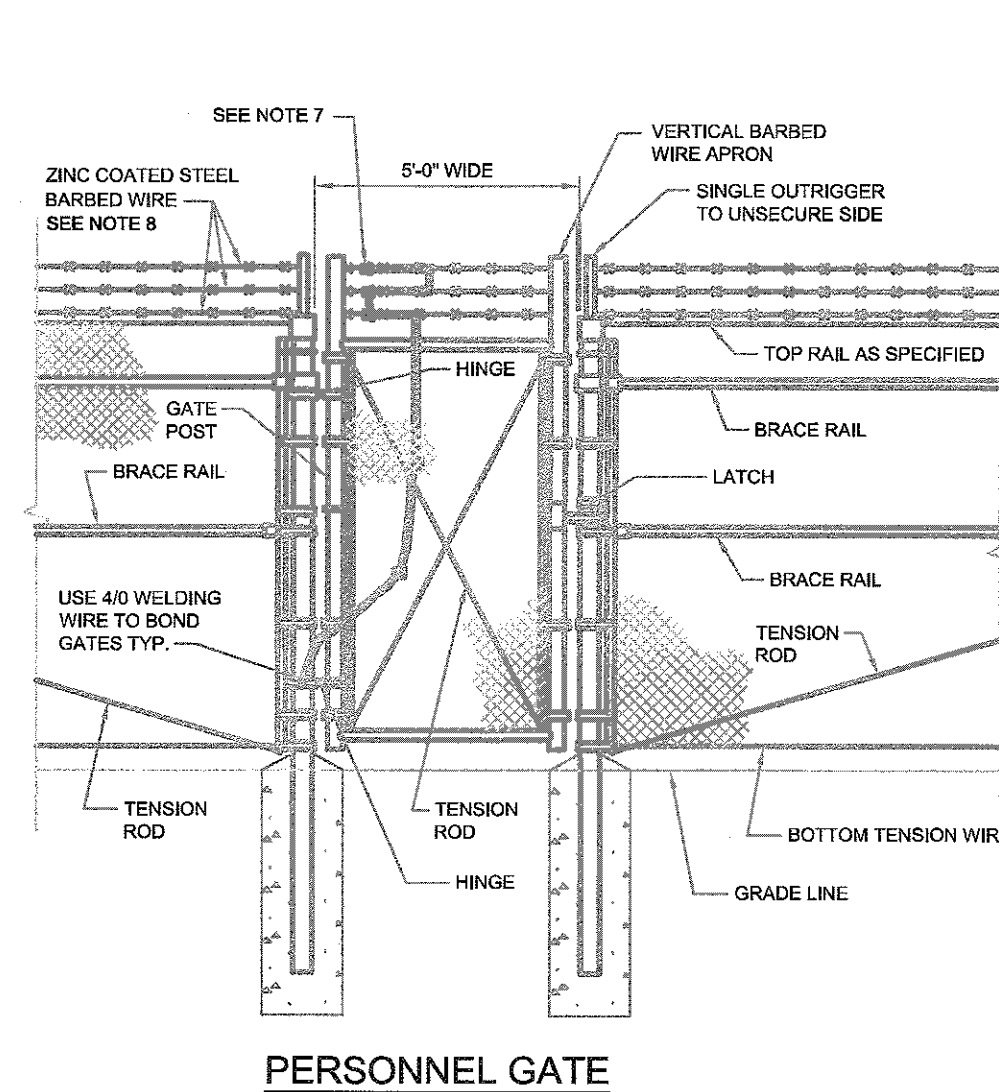
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(303) 751-1000
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C9.4

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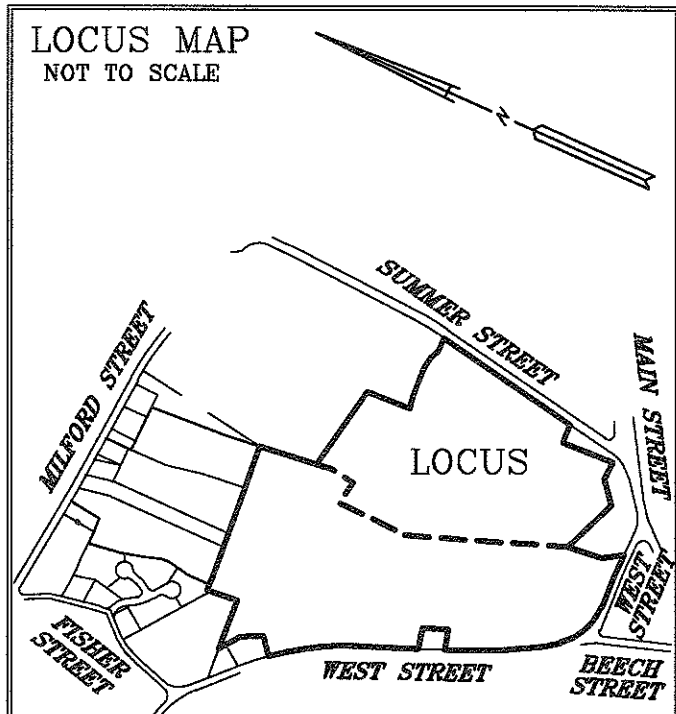


PERSONNEL GATE

PREPARED FOR:

**Exelon West
Medway, LLC and
Exelon West
Medway II, LLC**

300 Exelon Way
Kennett Square, PA 19348



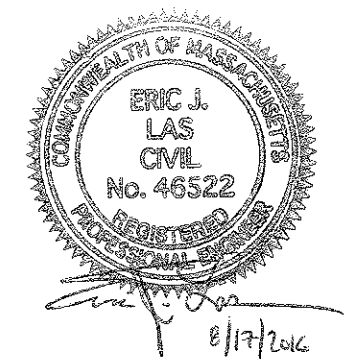
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1	04/21/2016	FOR DATE ONLY	
0	02/09/2016	FIRST ISSUE	
	ISSUE DATE	DESCRIPTION	
	DES	DWN	CHK'D APP'D

PROJECT:

**WEST MEDWAY II
FACILITY**

MEDWAY, MASSACHUSETTS

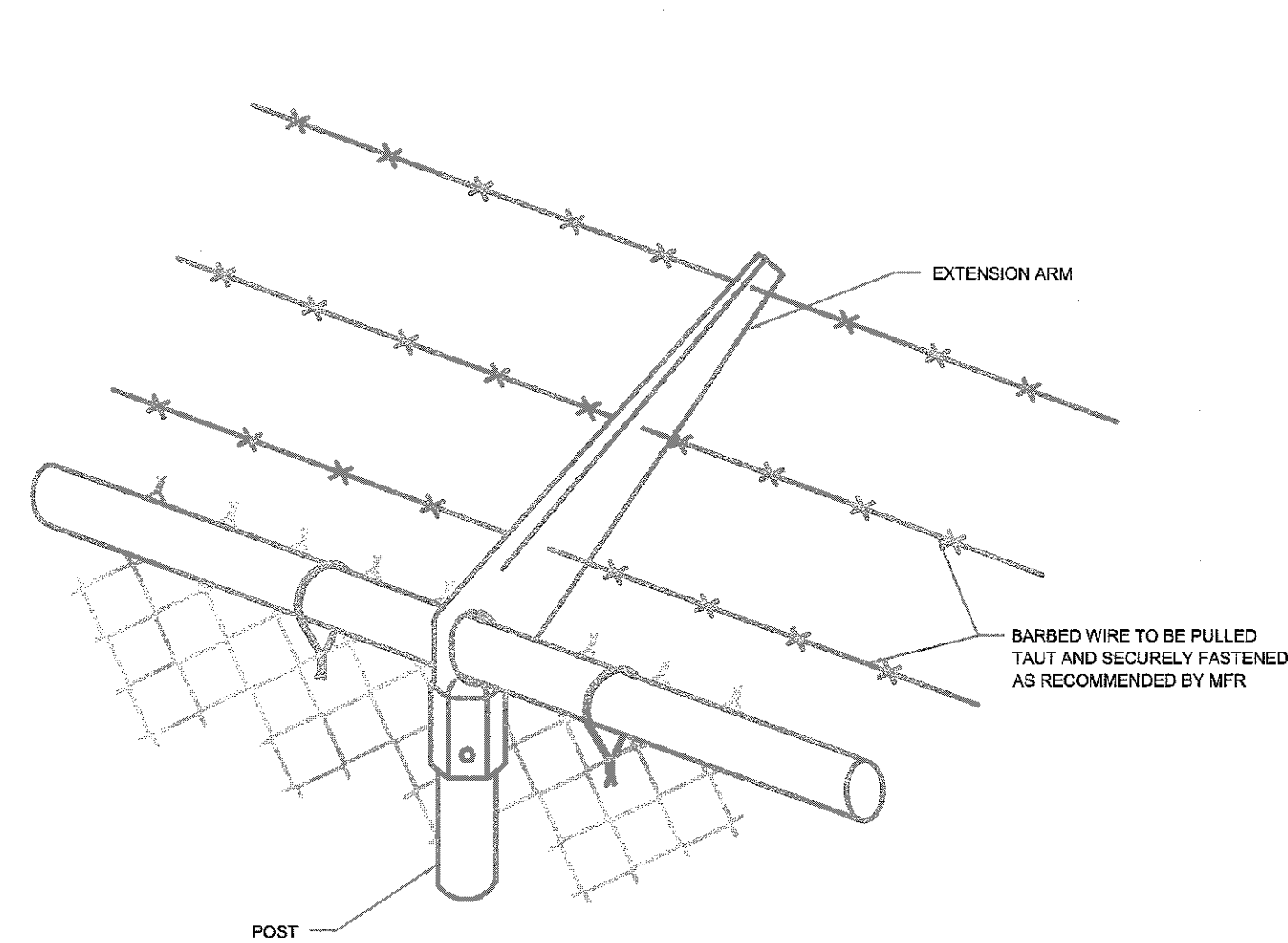
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SITE DETAILS

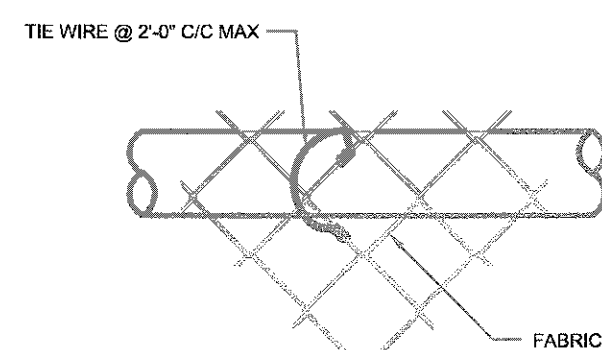
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B+T PLAN NO.
142210P019D-005

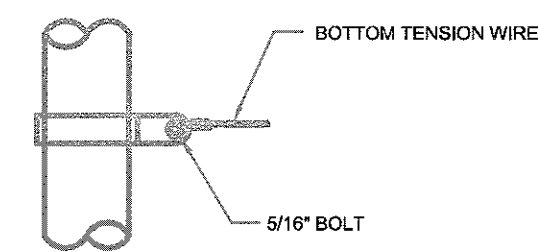
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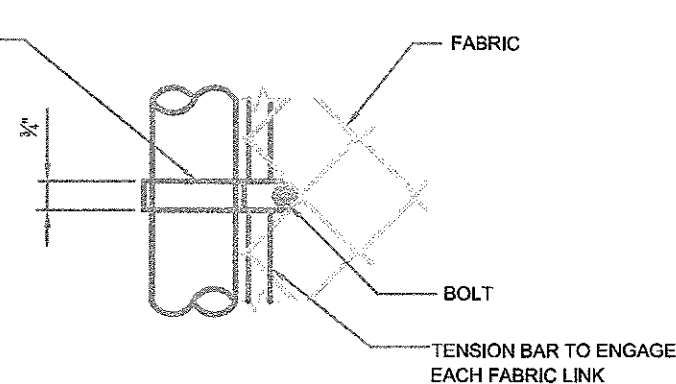
EXTENSION ARM FOR BARBED WIRE



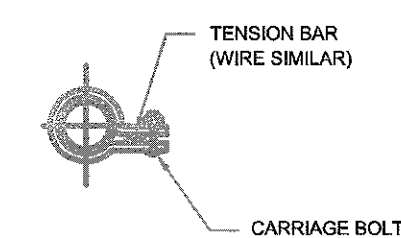
WIRE TIES FOR TOP
OR BRACE RAIL



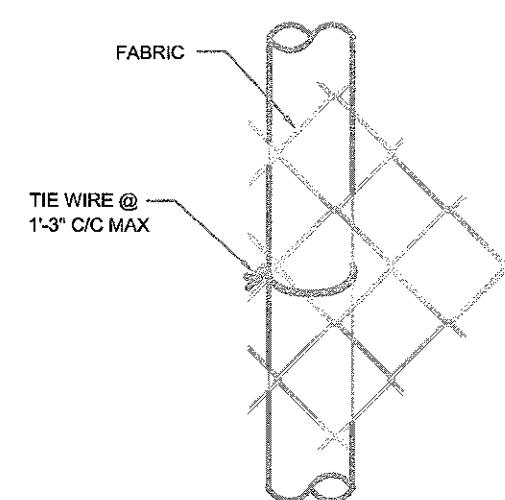
BAND FOR WIRE STRETCHING



DETAIL - END, CORNER, GATE
AND PULL POSTS

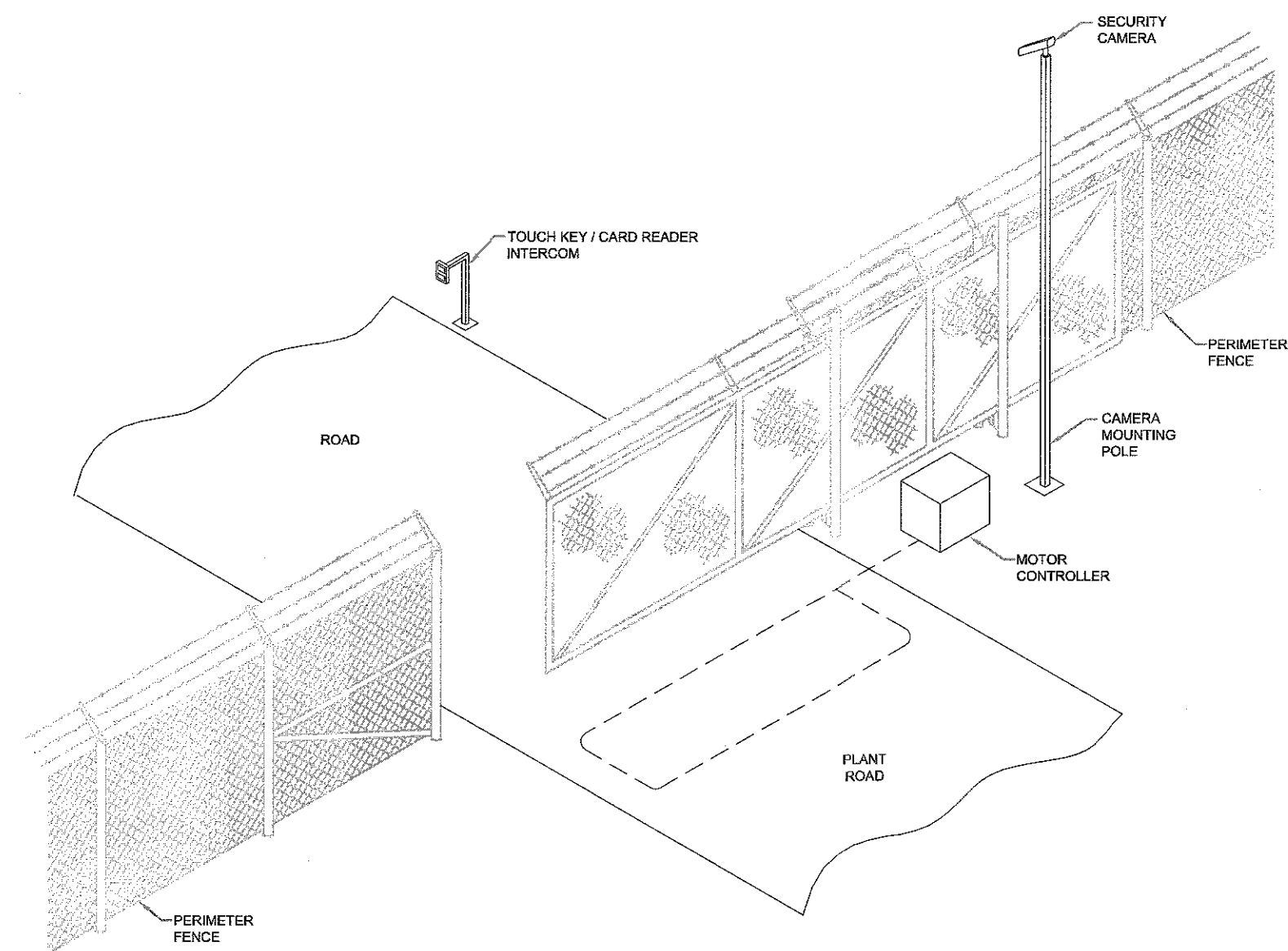


PLAN AT BANDS



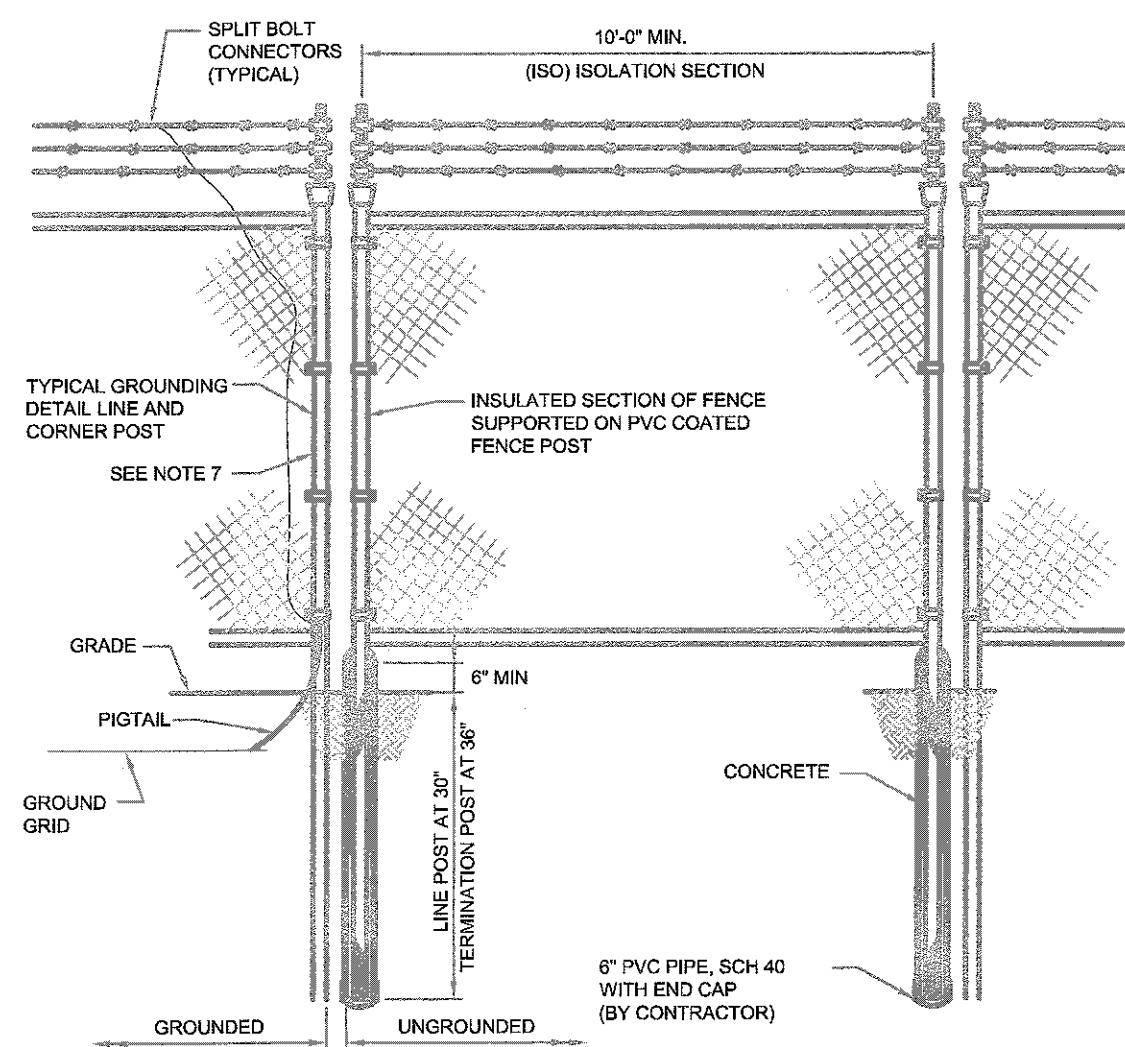
WIRE TIES FOR POST

1. OVERALL HEIGHT "H" OF FENCE SHALL BE 8'-0" UNLESS OTHERWISE NOTED, WITH 3 STRANDS OF 4 POINT BARBED WIRE SECURELY ATTACHED TO SINGLE EXTENSION ARMS ALONG TOP OF FENCE.
2. SINGLE EXTENSION ARMS SHALL POINT OUTWARD AT ANGLE OF 45 DEGREES.
3. PROVIDE ONE GATE/KEEPER (TO HOLD GATE OPEN) PER DOUBLE SWING GATE, ANCHOR IN CONCRETE.
4. SEE CHAIN LINK FENCE TECHNICAL SPECIFICATION
A244238-SPCS323T113.
5. PROVIDE ELECTRICAL ISOLATION FOR FENCE SECTIONS IMMEDIATELY BETWEEN GROUNDED AND NON-GROUNDED FENCE SECTIONS; SEE ELECTRICAL DRAWINGS.
6. MOTOR OPERATED GATE OPENING DETAILS SHALL BE IN ACCORDANCE WITH MANUFACTURERS DETAILS AND IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.
7. FOR GROUNDING OF FENCE, PERSONNEL, DOUBLE SWING, AND CANTILEVERED SLIDE GATES SEE ELECTRICAL DRAWINGS.
8. BARBED WIRE SHALL MATCH COLOR OF CHAIN LINK FABRIC. SEE PLANS FOR LOCATIONS OF 8" X 8" X 1/2" COATED FENCE SECTIONS AND STANDARD FENCE SECTIONS.

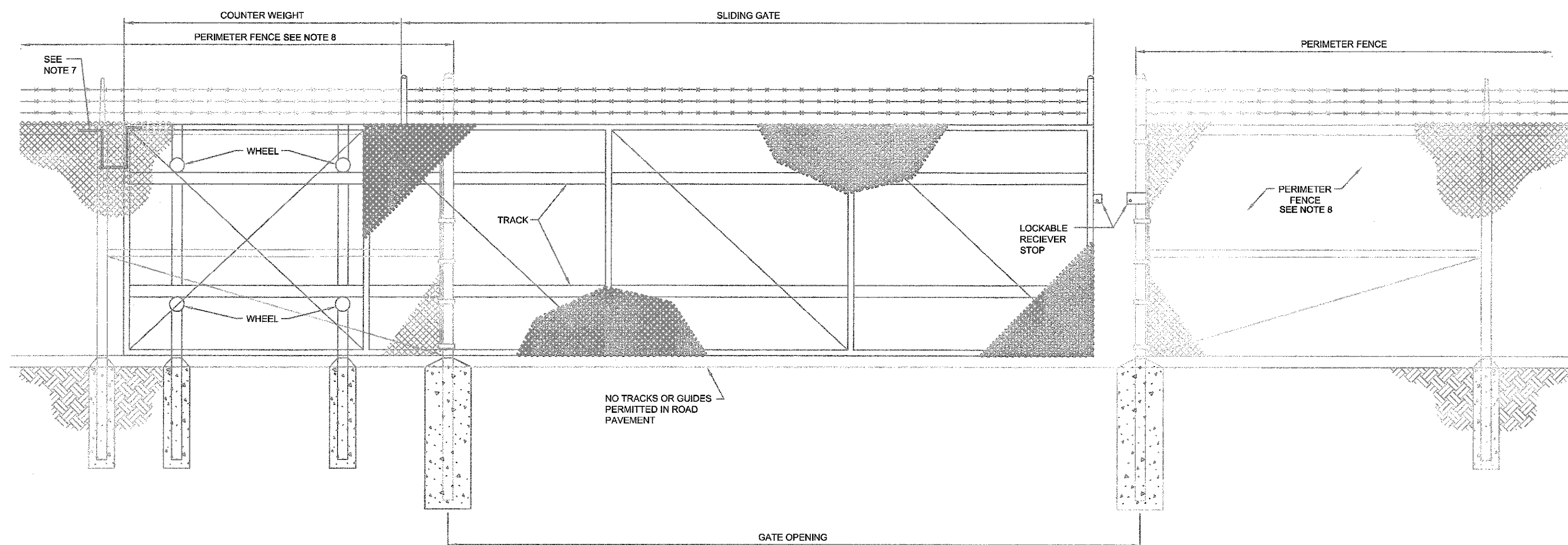


TYPICAL CANTILEVER SLIDE GATE

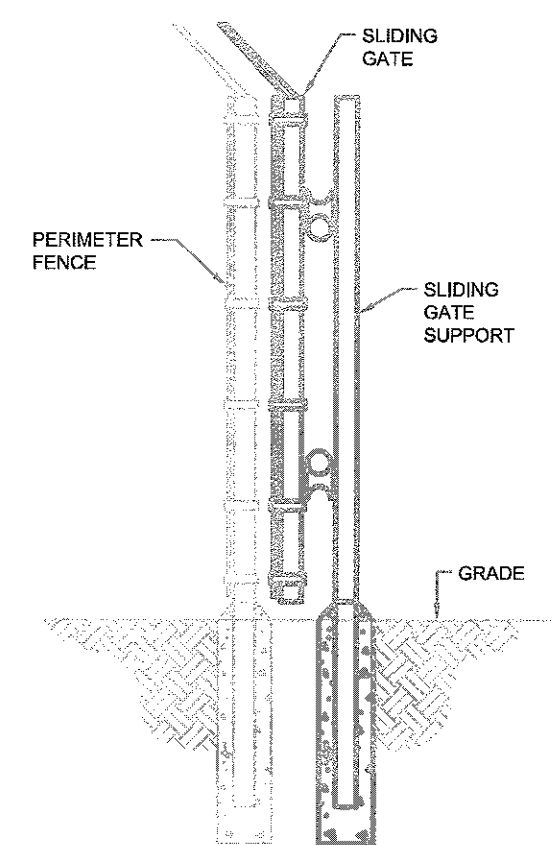
N.T.S.
SEE PLAN FOR ORIENTATION
SEE NOTE 7



TYPICAL FENCE ISOLATION SECTION (ISO)
SEE NOTE 5



SLIDING GATE ELEVATION



SLIDING GATE SECTION

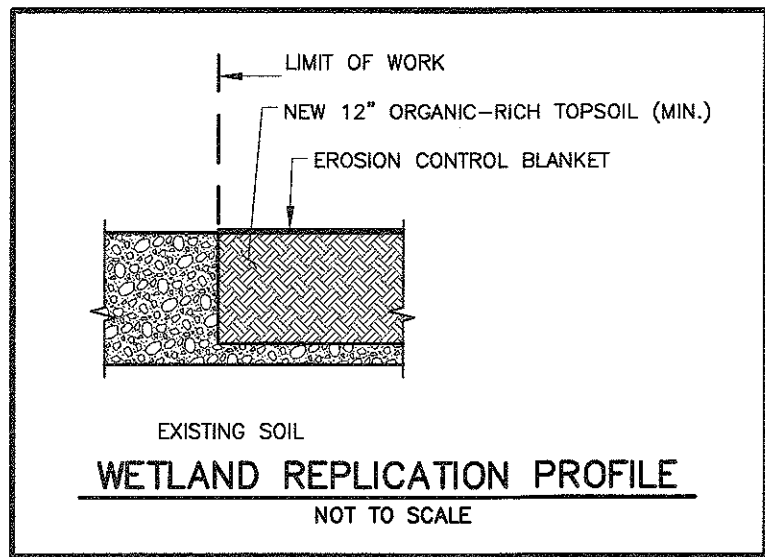
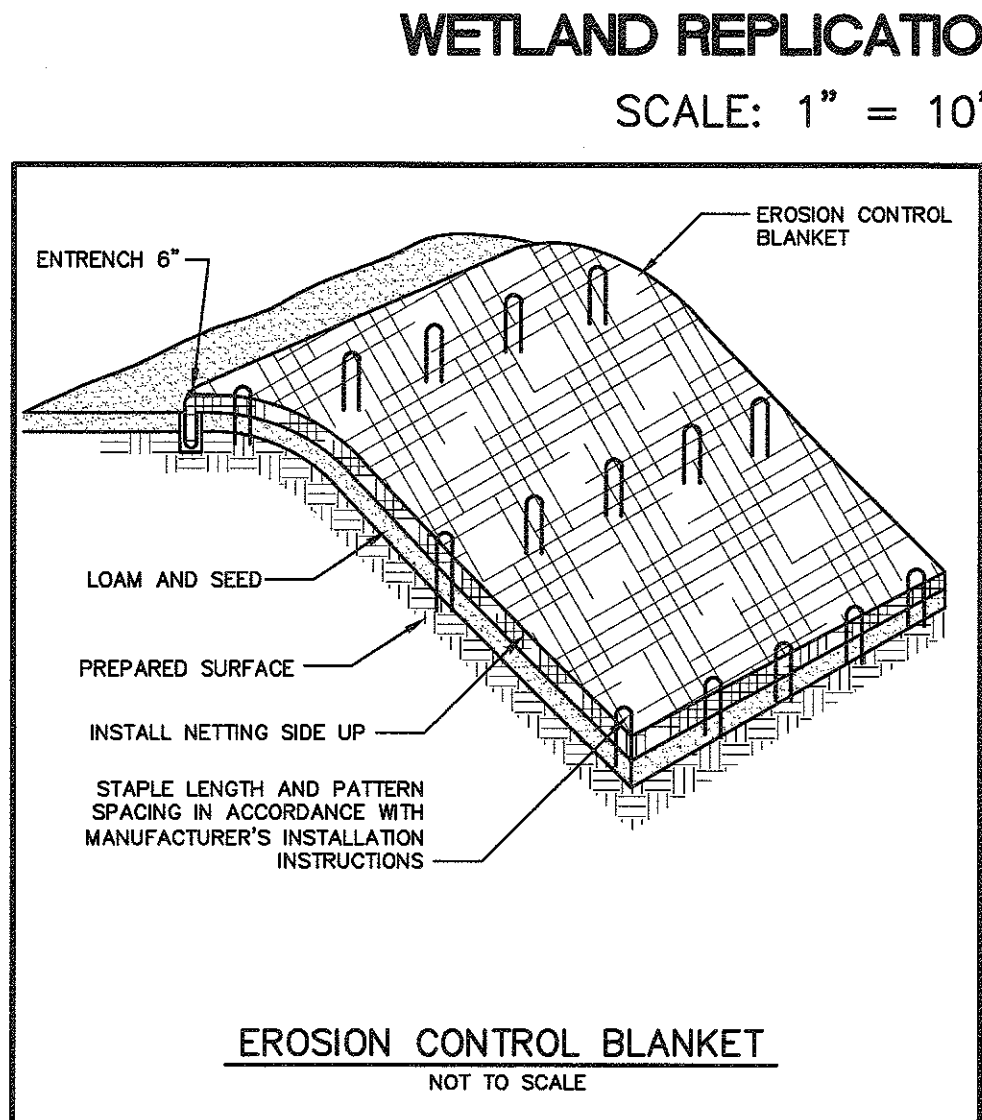
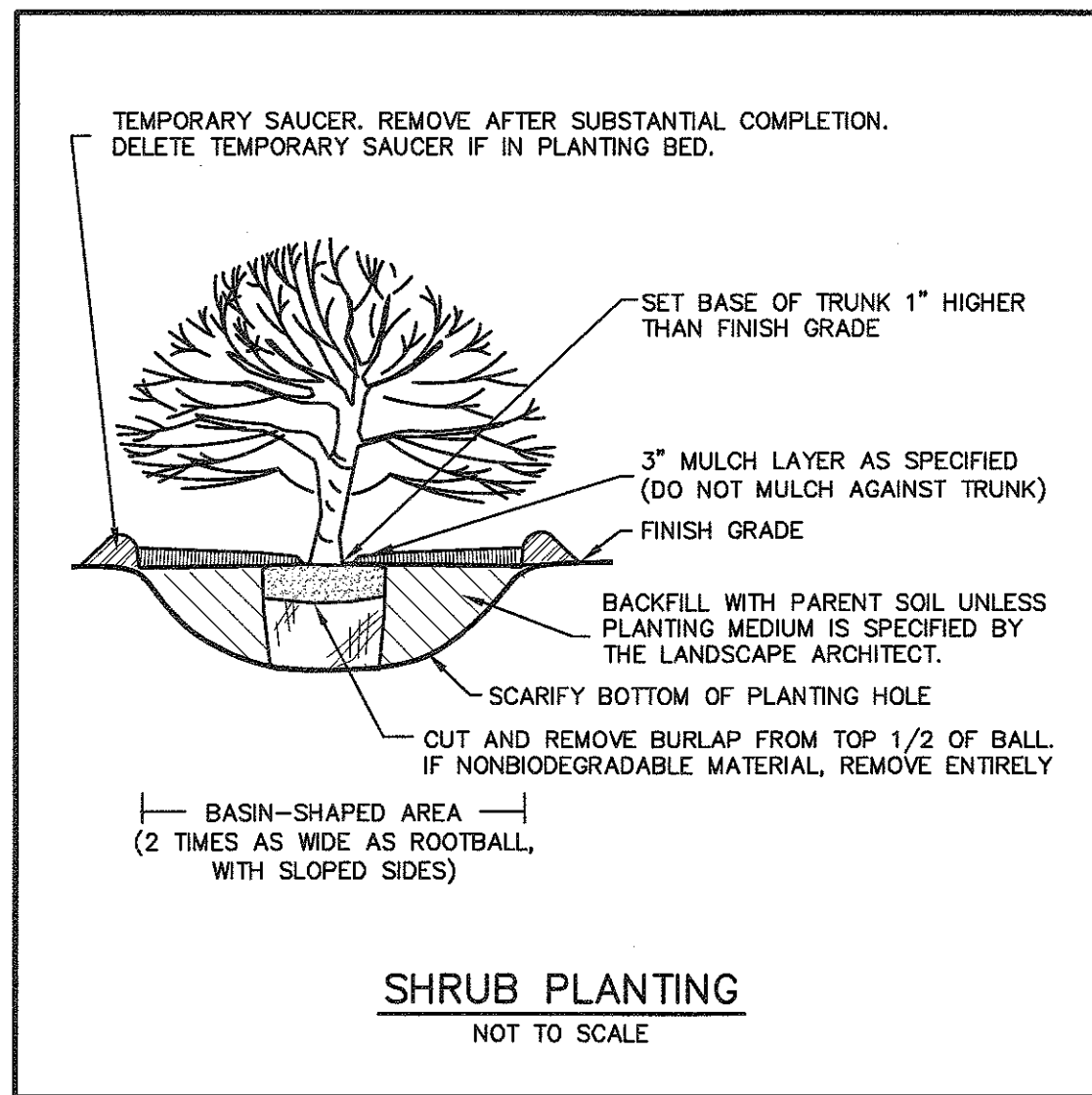
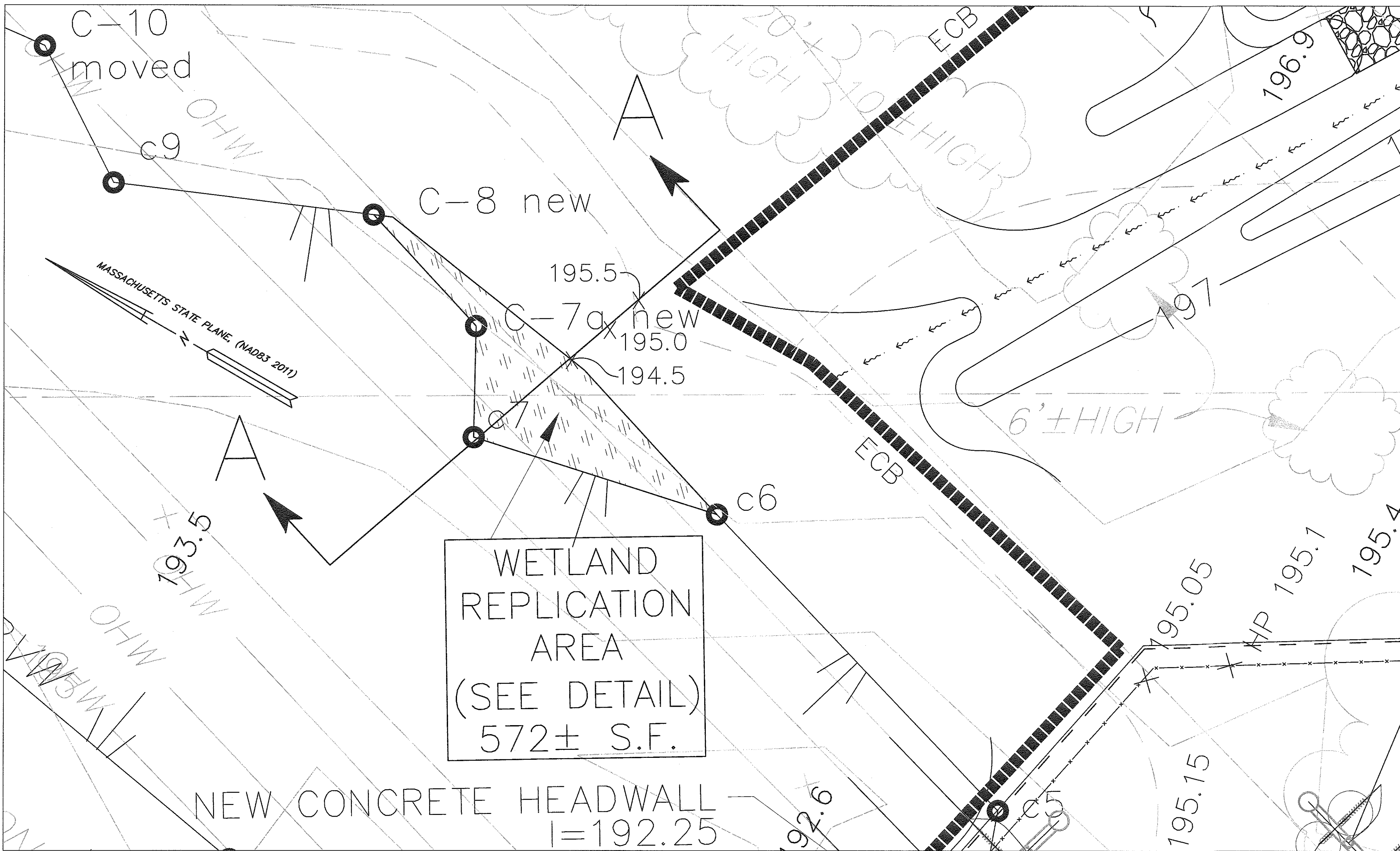
- WETLAND REPLICATION AREA CONSTRUCTION GUIDELINE
1. PRIOR TO COMMENCEMENT, A PRE-CONSTRUCTION MEETING SHALL BE HELD WITH THE CONTRACTOR, THE SUPERVISORY WETLAND SPECIALIST, AND THE MEDWAY CONSERVATION COMMISSION AND/OR ITS AGENT.
 2. FLAG OR STAKE LIMITS OF WETLAND REPLICATION AREA.
 3. INSTALL EROSION CONTROL BARRIER ALONG INTERSECTION OF BORDERING VEGETATED WETLAND AND PROPOSED WETLAND REPLICATION AREA. THE MEDWAY CONSERVATION COMMISSION AND/OR ITS AGENT RESERVE THE RIGHT TO DIRECT THE CONTRACTOR TO ADD OR REMOVE THE EROSION CONTROL BARRIER BASED UPON SEASONAL TIMING OF THE WORK.
 4. CUT TREES, STRIP AND GRUB WETLAND REPLICATION AREA.
 5. MANMADE TOPSOIL SHALL CONSIST OF A MIXTURE OF EQUAL VOLUMES OF IMPORTED ORGANIC AND MINERAL MATERIALS. WELL-DECOMPOSED CLEAN LEAF COMPOST IS THE PREFERRED SOIL AMENDMENT TO ACHIEVE THESE STANDARDS, ALTHOUGH OTHER SOIL AMENDMENTS MAY ALSO BE USED.
 6. EXCAVATE WETLAND REPLICATION AREA TO AT LEAST 12" BELOW PROPOSED FINAL DESIGN GRADE TO FACILITATE PLACEMENT OF ORGANIC-RICH TOPSOIL (TAKING INTO ACCOUNT SETTLING TO ACHIEVE FINAL GRADE). ALL TOPSOIL REMOVED FROM REPLICATION AREA SHALL NOT BE REUSED AND MUST BE EXPORTED TO UPLAND PORTIONS OF THE SITE. 12% MINIMUM ORGANIC CARBON CONTENT (9 TO 21 PERCENT ORGANIC MATTER) ON A DRY WEIGHT BASIS FOR SOILS SHOULD BE USED IN WETLAND REPLICATION AREAS. BEFORE PLACEMENT OF ORGANIC RICH TOPSOIL, THE WETLAND SPECIALIST AND THE CONSERVATION COMMISSION OR THEIR AGENT MUST APPROVE THE FINAL EXCAVATED GRADE. THE CONSISTENCY OF THE INSTALLED SOIL SHOULD BE LOOSE TO FRAGILE. TO ENSURE PROPER CONSISTENCY, ROTOTILLING, OR OTHER EQUIVALENT METHOD SHOULD BE USED. LARGE PROTRUDING ROCKS ENCOUNTERED DURING EXCAVATION MAY BE LEFT IN PLACE TO PROVIDE ADDITIONAL WILDLIFE HABITAT. TO ACHIEVE FINAL GRADES, THE SOURCE OF BACKFILL SHOULD BE APPROVED ORGANIC-RICH TOPSOIL. THE TOPSOIL SHALL BE REASONABLY FREE OF STUMPS, ROOTS, HEAVY OR STIFF CLAY, STONES LARGER THAN ONE INCH IN DIAMETER, LUMPS, COARSE SAND, NOXIOUS WEEDS, STICKS, BRUSH OR OTHER LITTER. IF STOCKPILING OF SOIL IS NECESSARY, MATERIAL MUST BE KEPT WET AND COVERED TO PREVENT LEACHING AND SEDIMENT TRANSPORT. ADDITIONAL ROCKS OR DEAD FALL (LOGS AND STUMPS) MAY BE ADDED TO THE NEW WETLAND AT THE DISCRETION OF THE WETLAND SPECIALIST. ORGANIC-RICH TOPSOIL SHALL BE TRANSPORTED IN VEHICLES THAT HAVE BEEN WASHED SO THAT NO EXOTIC/INVASIVE SEEDS FROM OTHER SITES GET MIXED IN WITH THEM.
 7. UPON COMPLETION OF THE GRADING WORK AND PRIOR TO INSTALLATION OF PLANTINGS, THE MEDWAY CONSERVATION COMMISSION AND/OR ITS AGENT SHALL BE NOTIFIED IN ORDER TO REVIEW AND ASSESS THE FINISHED GRADES AND CONFIRM THAT THEY ARE SUFFICIENT TO SUSTAIN THE WETLAND REPLICATION, PRIOR TO PLANTING.
 8. AT LEAST FIVE PERCENT OF THE DOWN LOGS AND BRANCHES OBSERVED WITHIN THE IMPACT AREA WILL BE SET ASIDE. THIS COARSE WOODY DEBRIS WILL BE SCATTERED THROUGHOUT THE RESTORATION AREA ONCE GRADING IS COMPLETED AND BEFORE PLANTING IS STARTED.
 9. A QUALIFIED WETLAND SPECIALIST SHALL BE ON-SITE DURING EXCAVATION, GRADING, AND PLANTING. FIELD CHANGES, IF NEEDED, SHALL BE MADE ACCORDINGLY.
 10. THE SUPERVISORY WETLAND SPECIALIST RESERVES THE RIGHT TO ADJUST THE LOCATION OF PLANTINGS DEPENDING ON OBSERVED GROUNDWATER LEVELS.
 11. PLANTING: THE TIME OF WETLAND PLANTING SHALL BE BETWEEN APRIL 1ST AND MAY 15TH OR BETWEEN SEPTEMBER 1ST AND OCTOBER 15TH. THE TIME OF WETLAND SEEDING SHALL BE PREFERABLY BETWEEN OCTOBER 15TH AND NOVEMBER 15TH OR ALTERNATIVELY BETWEEN APRIL 1ST AND MAY 15TH. SHOULD PLANTING/SEEDING DURING THE ABOVE PREFERABLE TIME PERIODS NOT BE POSSIBLE, THEN THE WETLAND SPECIALIST RESERVES THE RIGHT TO REQUIRE SUPPLEMENTAL WATERING OR USING EITHER WATER TRUCKS AND INSTALLATION OF IRRIGATION SYSTEMS FOR THE WETLAND PLANTINGS FOR THE DURATION REQUIRED FOR PLANT GROWTH AND SURVIVAL.
 12. AT THE TIME OF SEED MIX APPLICATION, THERE SHALL BE NO PONDING. AT THE TIME OF PLANTING (HERBACEOUS MATERIAL) THE PONDING ELEVATION SHALL BE NO GREATER THAN THE HEIGHT OF THE PLANT MATERIALS.
 13. PLANT SOURCE SHALL BE FROM NEW ENGLAND WETLAND PLANTS IN AMHERST, MASSACHUSETTS OR EQUIVALENT.
 14. SEED WILL BE APPLIED AT THE NEW ENGLAND WETLAND PLANTS' SUGGESTED SEED RATE OF 1 LB/5,000 SF FOR UNDERSTORY PLANTING.
 15. THE SUPERVISORY WETLAND SPECIALIST SHALL RESERVE THE RIGHT TO REJECT WETLAND PLANT SPECIES UPON DELIVERY BASED UPON PLANT VIGOR/CONDITION, UNAUTHORIZED SUBSTITUTION AND/OR NON CONFORMANCE WITH THE PLANS AND SPECIFICATIONS.
 16. THE SUPERVISORY WETLAND SPECIALIST SHALL RESERVE THE RIGHT, DEPENDING ON WEATHER CONDITIONS, TO REQUIRE SUPPLEMENTAL WATERING OF WETLAND PLANTINGS AND/OR APPLICATION OF STRAW MULCH FOLLOWING SEEDING.
 17. IF PLANTING/SEEDING IS NOT POSSIBLE DURING THE DESIGNATED PLANTING/SEEDING SEASON (SEE NOTE 11) THEN, AT THE APPROVAL OF THE WETLAND SPECIALIST, HYDROSEED WITH WINTER RYE WILL BE REQUIRED.
 18. CHECK WETLAND REPLICATION AREA AFTER THE FIRST GROWING SEASON AND NOTIFY THE CONSERVATION COMMISSION OF SITE CONDITIONS AND ANY FURTHER WORK ITEMS IF NECESSARY. FOR THESE SPECIAL CONDITIONS, A GROWING SEASON STARTS NO LATER THAN MAY 31. AT LEAST 75 PERCENT OVERALL COVERAGE OF THE COMPENSATED SURFACE AREA SHALL BE RE-ESTABLISHED WITH INDIGENOUS WETLAND PLANT SPECIES WITHIN TWO OR MORE GROWING SEASONS.
 19. THE WETLAND SPECIALIST SHALL PROVIDE THE CONSERVATION COMMISSION WITH A WRITTEN OBSERVATION REPORT AFTER TWO GROWING SEASONS.
 20. EROSION CONTROL BARRIERS ARE TO BE MAINTAINED THROUGHOUT AND FOLLOWING THE CONSTRUCTION PERIOD AND AFTER SIGNIFICANT RAINFALLS UNTIL THE WETLAND REPLICATION AREA BECOMES STABILIZED AND THEIR REMOVAL HAS BEEN AUTHORIZED IN WRITING BY THE CONSERVATION COMMISSION AND/OR ITS AGENT. DILAPIDATED STRAW BALES AND SILT FENCE SHALL BE REPLACED AS REQUIRED TO MAINTAIN THE INTEGRITY OF THE BARRIER. THE DEVICE AND STRUCTURES SHALL BE DISASSEMBLED AND PROPERLY DISPOSED OF NO LATER THAN NOVEMBER 1, THREE FULL GROWING SEASONS AFTER PLANTING. SEDIMENT COLLECTED BY THESE DEVICES WILL BE REMOVED AND PLACED UPLAND IN A MANNER THAT PREVENTS ITS EROSION AND TRANSPORT TO A WATERWAY OR WETLAND.

SYMBOL	SCRUB SHRUB/ FORESTED WETLAND REPLICATION PLANT SCHEDULE			
	QUANTITY	BOTANICAL NAME	COMMON NAME	INITIAL SIZE
	12	ALNUS INCANA	SPECKLED ALDER	18-24" HEIGHT
	12	CORNUS SERICEA	REDOSIER DOGWOOD	18-24" HEIGHT
	NEW ENGLAND WETMIX (OR EQUIVALENT) AVAILABLE THROUGH NEW ENGLAND WETLAND PLANTS, INC., AMHERST, MA			APPLY 1 LB / 5,000 S.F.

FOR NOTES, REFERENCES AND LEGEND SEE SHEET C1.1 AND C7.2.

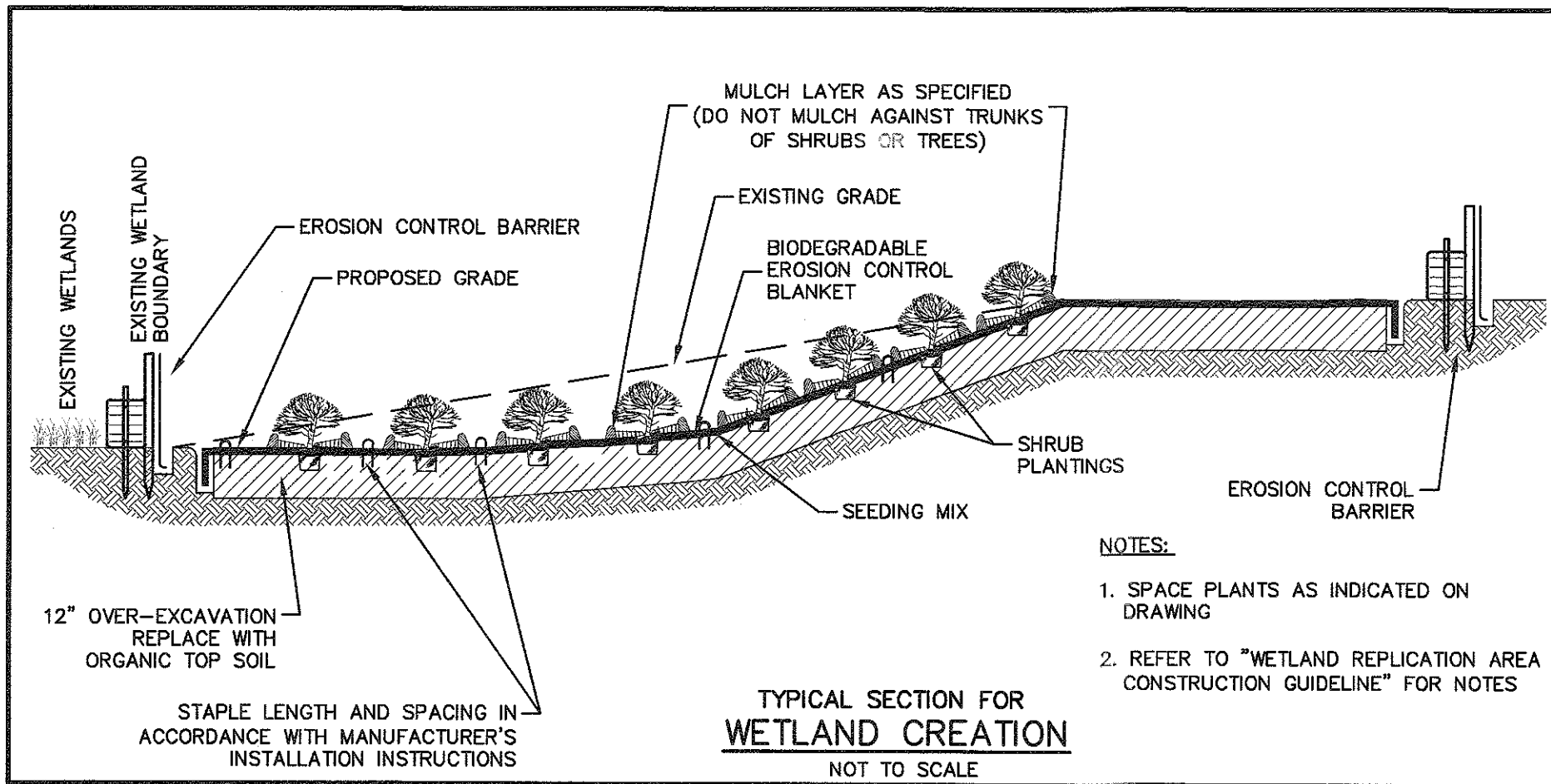
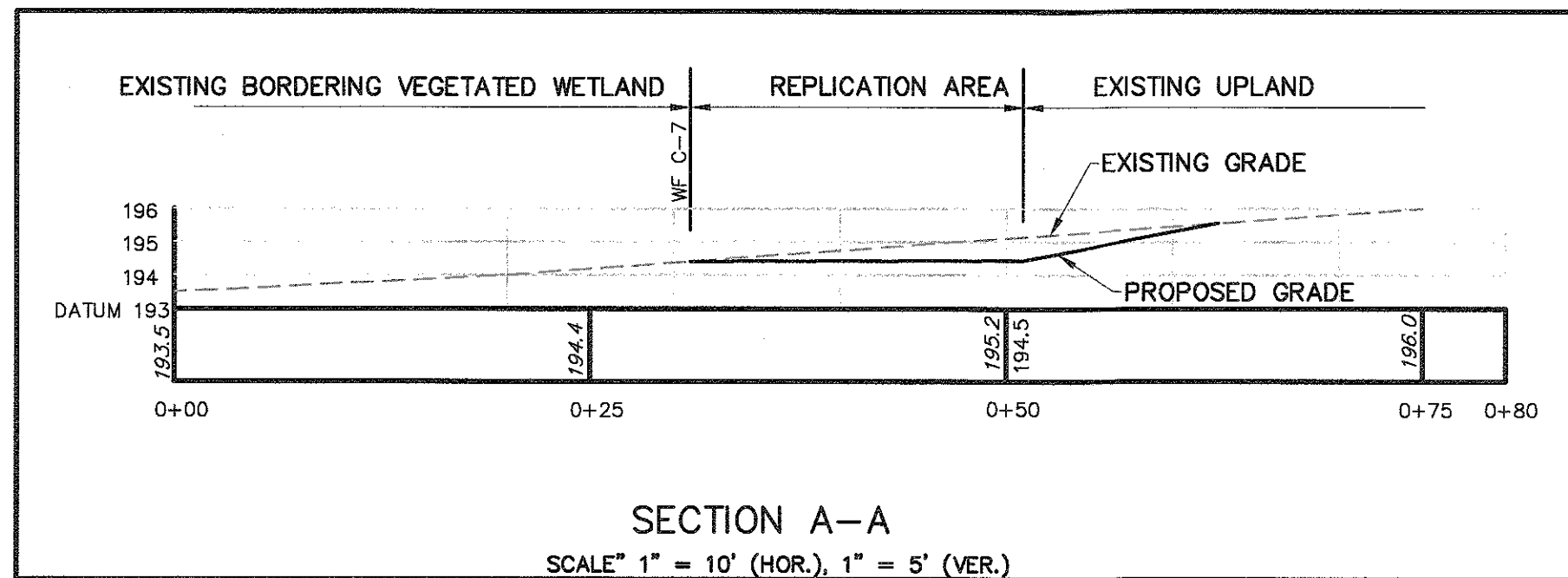
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WETLAND REPLICATION PLAN

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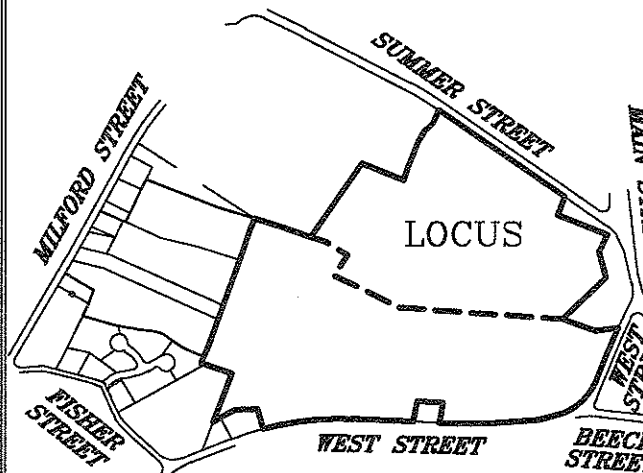


PREPARED FOR:

**Exelon West
Medway, LLC and
Exelon West
Medway II, LLC**

300 Exelon Way
Kennett Square, PA 19348

LOCUS MAP
NOT TO SCALE



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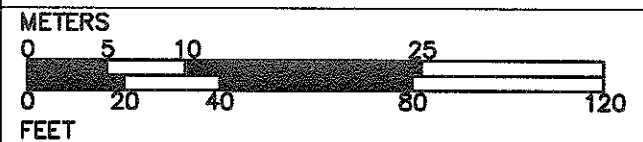


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PROJECT:

**WEST MEDWAY II
FACILITY**
MEDWAY, MASSACHUSETTS

SCALE: 1" = 40' DATE: FEBRUARY 09, 2016



**WETLAND
REPLICATION PLAN**

B+T JOB NO. 1422.10

B+T PLAN NO.
142210P018D-004

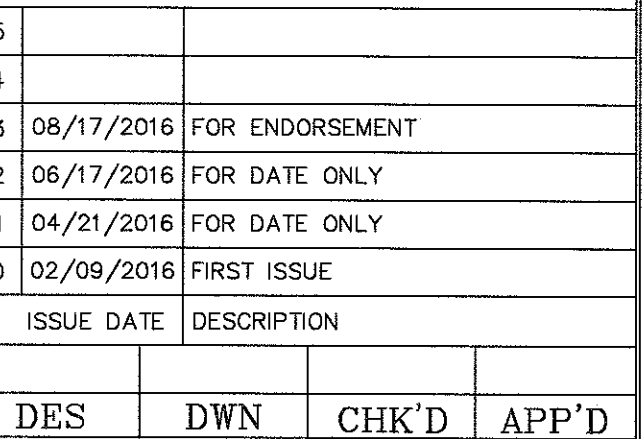
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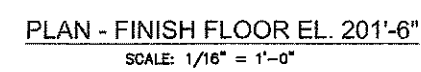
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MIDWAY, MASSACHUSETTS

A1.1



PRELIMINARY NOT FOR CONSTRUCTION REPLACE WITH ENGINEERS STAMP AT CONSTRUCTION AND/OR FABRICATION ISSUE	Designed	Eng check	URL
	Drawn	Approved	
	Doc check	Project Mgr	VR
	Scale at ANSI E	Date	Rev
	1/16"=1'-0"	10-14-16	E
Drawing Number E244238-BLAS30002-01			

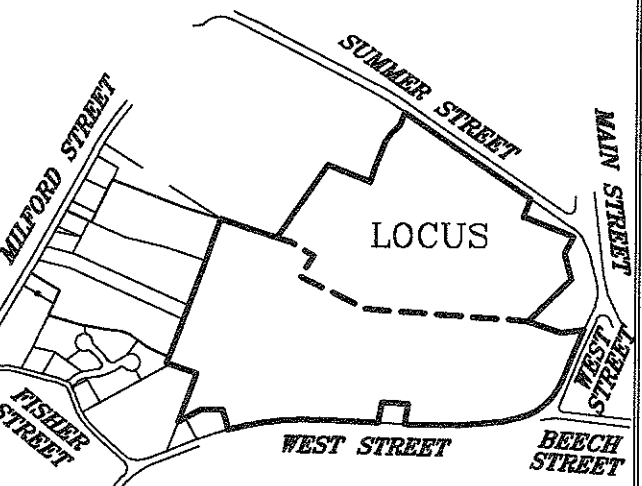
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Medway, LLC and
Exelon West
Medway II, LLC**

300 Exelon Way
Kennett Square, PA 19348

LOCUS MAP
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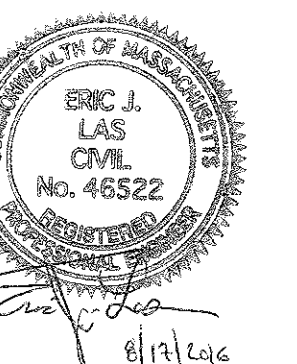
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PROJECT:

**WEST MEDWAY II
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MEDWAY, MASSACHUSETTS

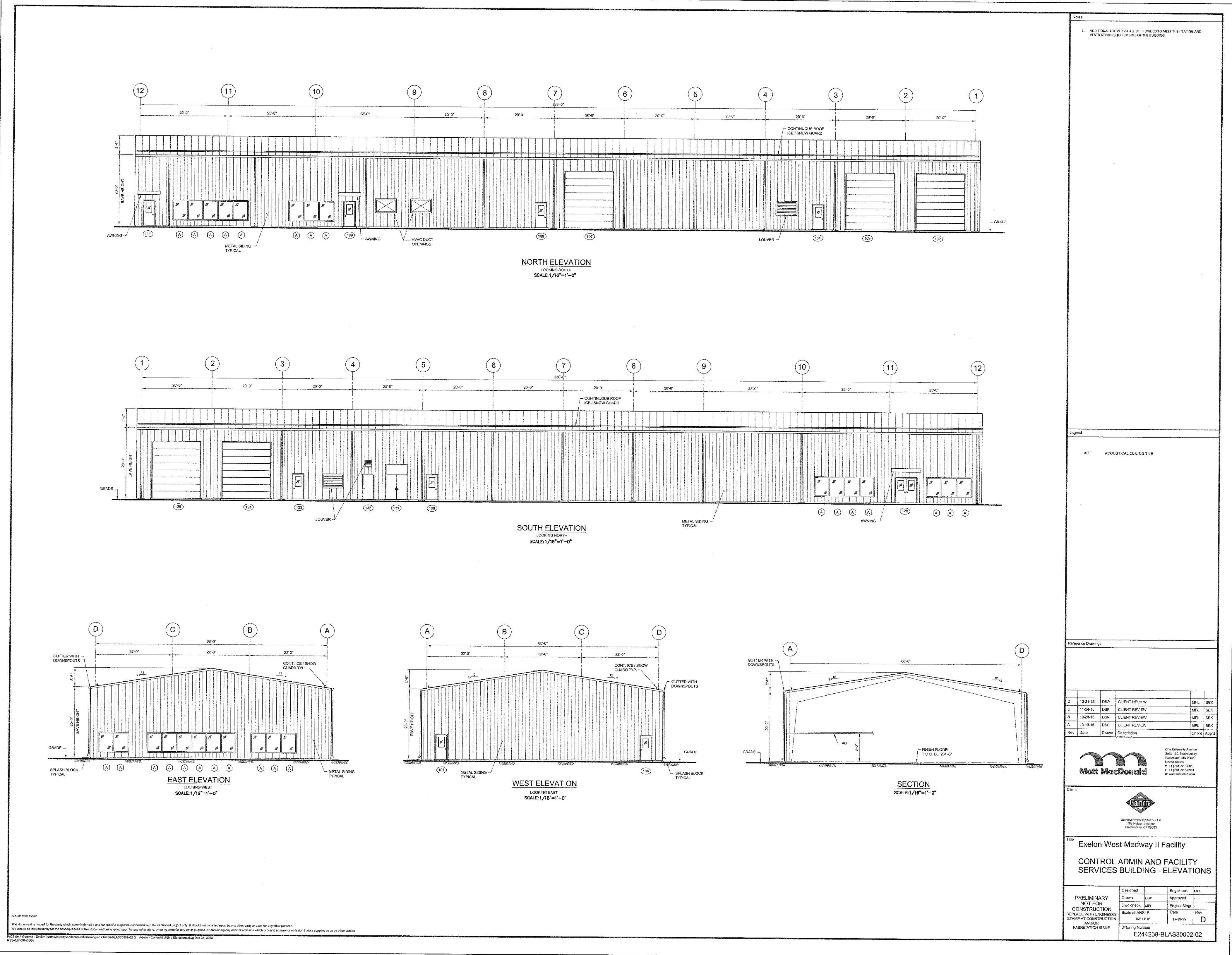
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**CONTROL ADMIN +
FACILITY SERVICE
BUILDING ELEVATION**

B+T JOB NO. 1422-10

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142210P015D-004

A1.2



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