

# West Medway II Facility

## 8 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



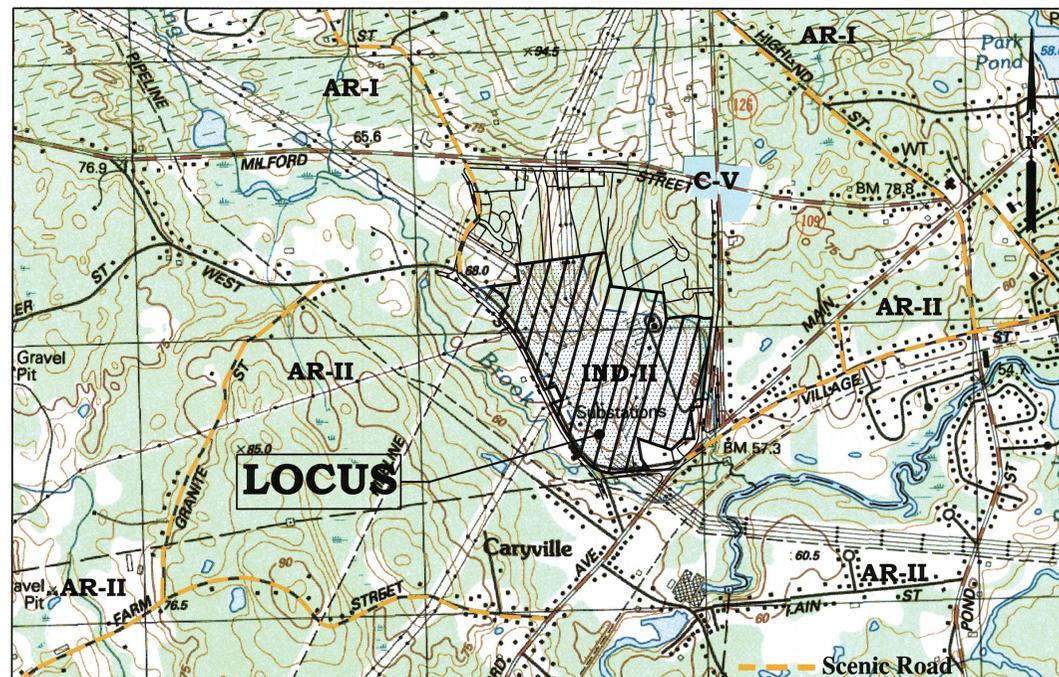
Reservoir Corporate Center  
 144 Turnpike Road  
 Southborough, Massachusetts 01772



695 Atlantic Avenue  
 Boston, MA 02111



3 Clock Tower Place #250  
 Maynard, MA 01754



Site Context Plan

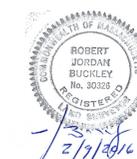
Scale: 1" = 1000'

#### SHEET INDEX

	Cover Sheet
C1.1	Notes, References and Legend
TP-1-TP-2	Topographic Plan
C2.1	Site Preparation and Erosion Control Plan
C3.1	Layout and Materials Plan
C4.1	Grading and Drainage Plan
C5.1	Utilities Plan
C6.1	Natural Gas Pipeline Layout Plan
C7.1	Landscape and Lighting Plan
C7.2	Landscape and Lighting Notes and Details
C8.1	Photometric Plan
C9.1-C9.5	Site Details
A1.1	Control Admin and Facility Service Building Plan
A1.2	Control Admin and Facility Service Building Elevation

Permit Plan Set - February 09, 2016

Prepared By: Beals + Thomas



Job No.: 1422.10  
 Plan No.: 142210P015A-001  
 Sheet 1 of 19

**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 SILTATION.

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 RAMPINGS 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 ADJUTING PROPERTIES DURING CONSTRUCTION ACTIVITIES.

**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 SHALL BE DONE BY HAND. CONTRACTOR SHALL REPAIR ANY DAMAGE TO 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.

**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.

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. 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.

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 LOSS.

**LEGEND AND ABBREVIATIONS**

EXISTING	PROPOSED	EXISTING	PROPOSED	
				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



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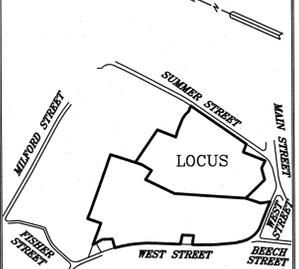
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PREPARED FOR:

**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.  
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0	02/09/2016	FIRST ISSUE	
	ISSUE DATE	DESCRIPTION	
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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.  
142210P015A-002

**C1.1**

FOR NOTES, REFERENCES AND LEGEND SEE SHEET TP-2.

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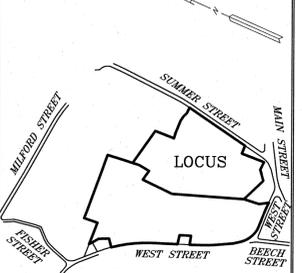
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PREPARED FOR:

# 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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ONLY**

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0	02/09/2016 FIRST ISSUE		
ISSUE DATE	DESCRIPTION		
DES	DWN	CHK'D	APP'D

PROJECT:  
**WEST MEDWAY II  
FACILITY**  
MEDWAY, MASSACHUSETTS

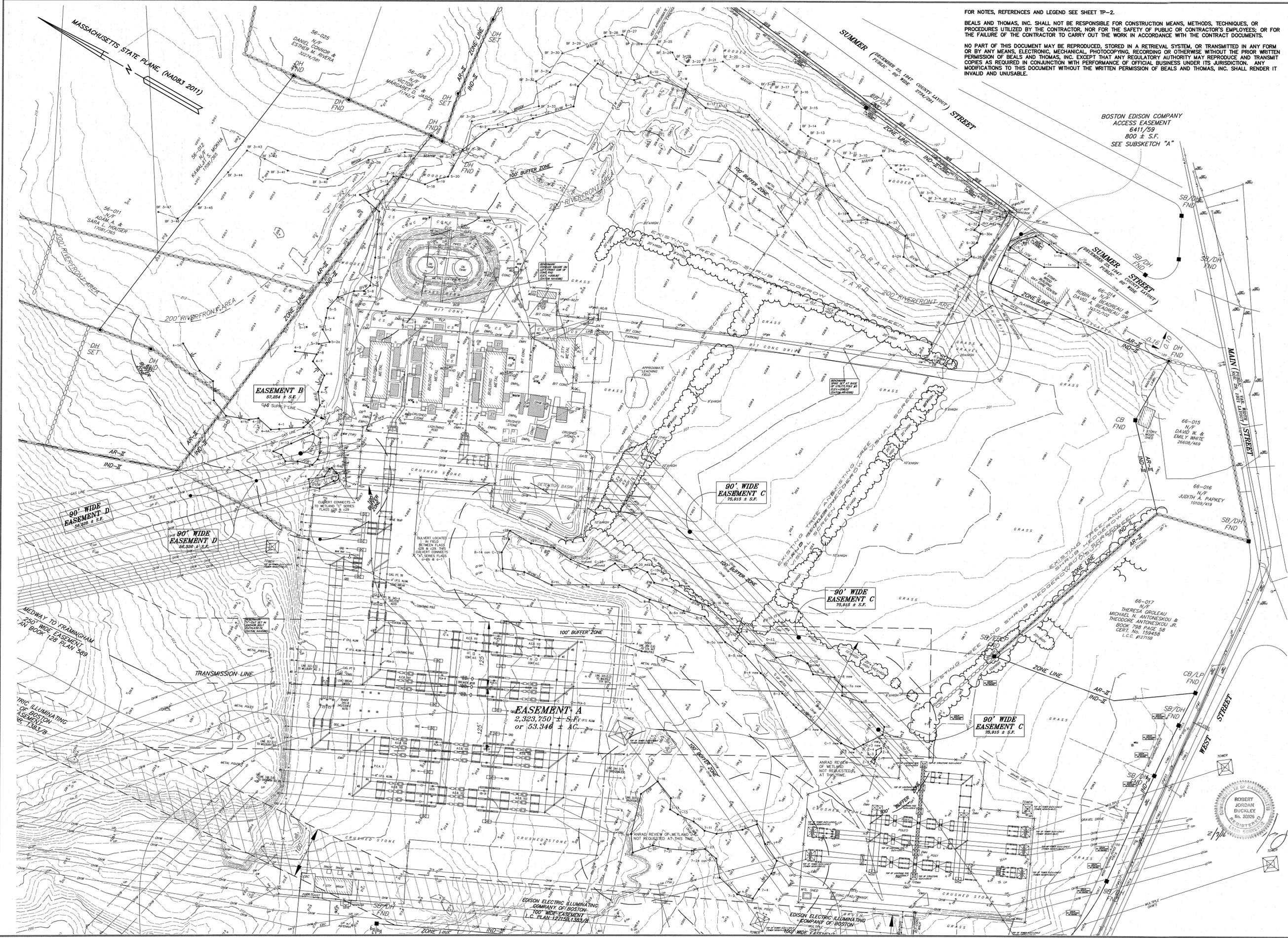
SCALE: 1" = 80' DATE: FEBRUARY 09, 2016  
METERS: 0 10 25 50  
FEET: 0 40 80 160 240

## TOPOGRAPHIC PLAN

B+T JOB NO. 1422.10

B+T PLAN NO.  
142210P16A-001

# TP-1



# LEGEND

	SEWER LINE/MANHOLE		100' BUFFER ZONE
	DRAIN LINE/MANHOLE		200' RIVERFRONT AREA
	CATCH BASIN		MINOR CONTOUR
	FLARED END/INVERT		MAJOR CONTOUR
	GAS LINE/GATE		SPOT ELEVATION
	WATER LINE/GATE		EDGE OF WATER
	HYDRANT		LIMIT OF 2014 SURVEY
	POST INDICATOR VALVE		LIMIT OF 2015 SURVEY
	TELEPHONE LINE/MANHOLE		AIR CONDITIONING UNIT
	ELECTRIC LINE/MANHOLE		BITUMINOUS CONCRETE
	OVERHEAD WIRE		BENCHMARK
	LIGHT POLE		CONCRETE
	UTILITY POLE		CORRUGATED METAL PIPE
	GUY WIRE		CRUSHED STONE
	SIGN		CORRUGATED POLYETHYLENE
	POST		DOOR
	BOLLARD POST		DOUBLE CATCH BASIN
	MONITORING WELL		DROP INLET
	CHAIN LINK FENCE		ELECTRIC METER
	POST AND RAIL FENCE		EDGE OF PAVEMENT
	CONCRETE CURB		GAS METER
	GRANITE CURB		HEAD WALL
	BITUMINOUS CONCRETE BERM		RECORD DIMENSION
	TREE		REINFORCED CONCRETE PIPE
	TREE LINE		SURVEY DIMENSION
	STONE WALL		STACK
	BUILDING		ELECTRIC TRANSFORMER
	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.		

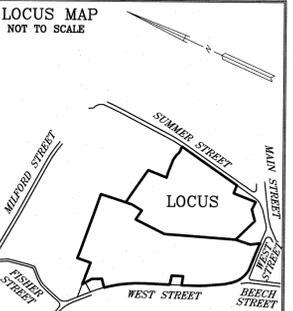
# NOTES

- THIS PLAN WAS PREPARED FROM AN ACTUAL SURVEY MADE ON THE GROUND USING A ZEISS ELTA TOTAL STATION ON OR BETWEEN SEPTEMBER 1998 AND DECEMBER 16, 2015.
- AERIAL TOPOGRAPHY BY COL-EAST, 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."

PREPARED FOR:

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

300 Exelon Way  
Kennett Square, PA 19348



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PROJECT:  
**WEST MEDWAY II  
FACILITY**  
MEDWAY, MASSACHUSETTS

SCALE: N/A DATE: FEBRUARY 09, 2016  
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0 40 80 160 240  
FEET

**TOPOGRAPHIC PLAN**

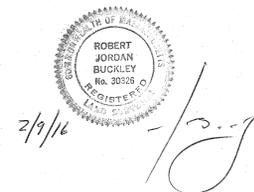
B+T JOB NO. 1422.10

B+T PLAN NO.  
142210P016A-002

**TP-2**

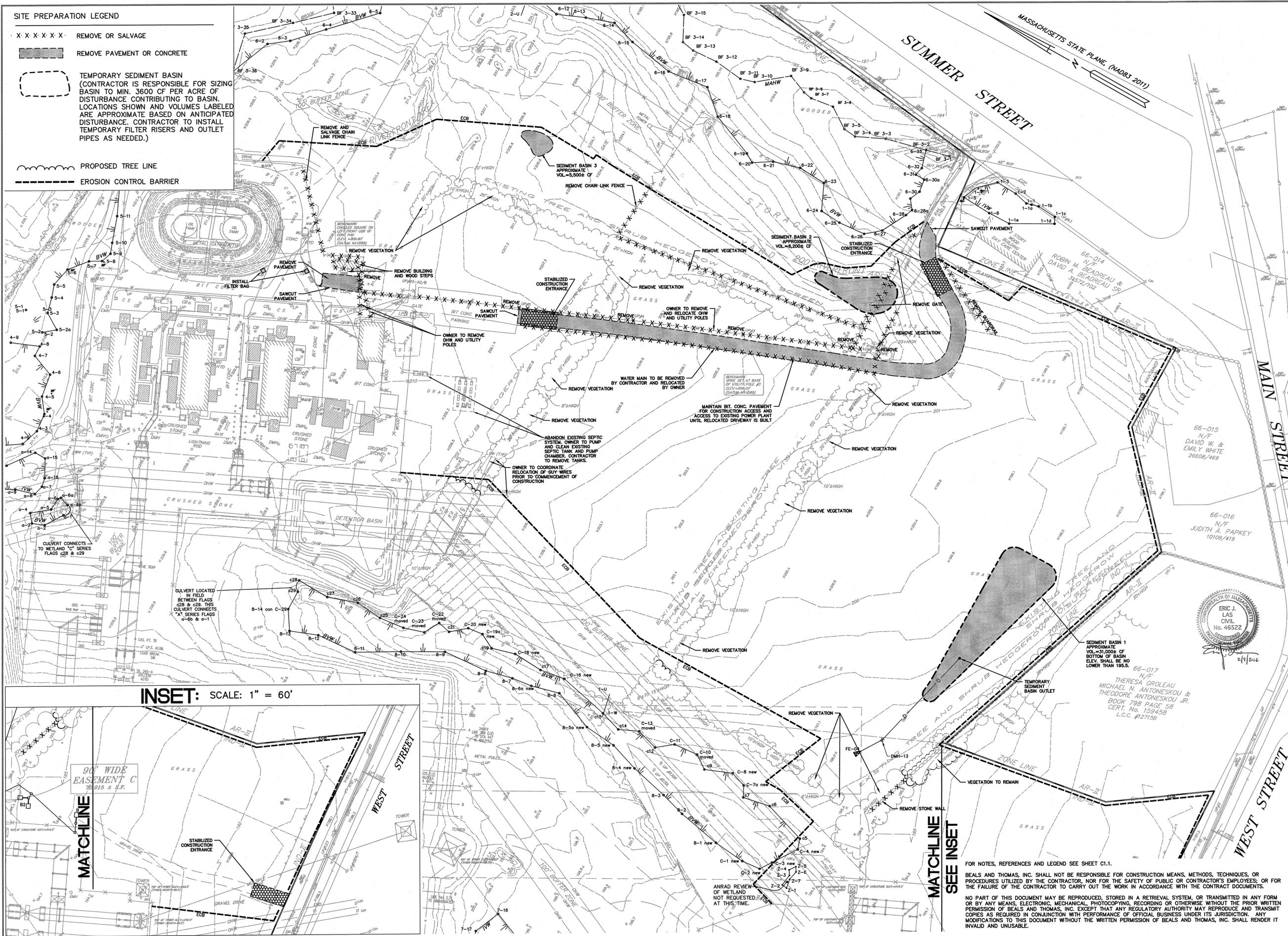
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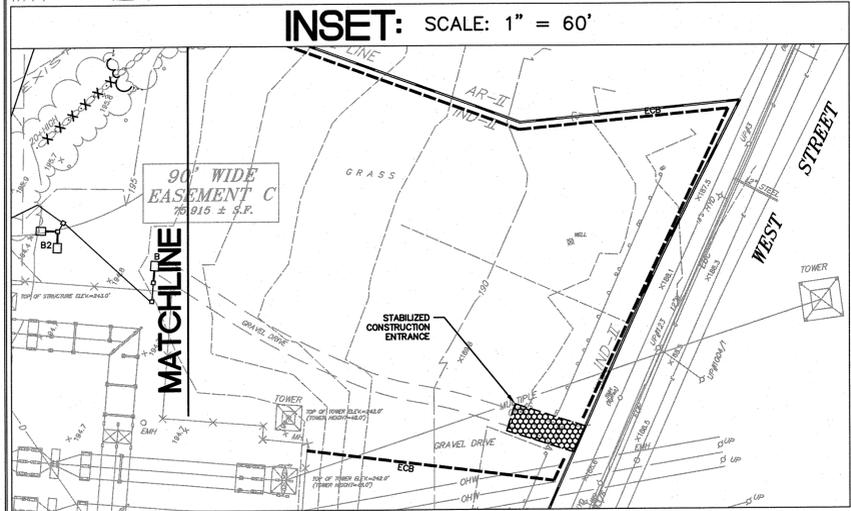


**SITE PREPARATION LEGEND**

- 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



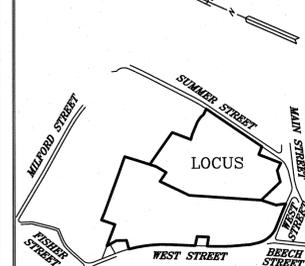
**INSET: SCALE: 1" = 60'**



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Exelon West  
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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.  
142210P017A-001

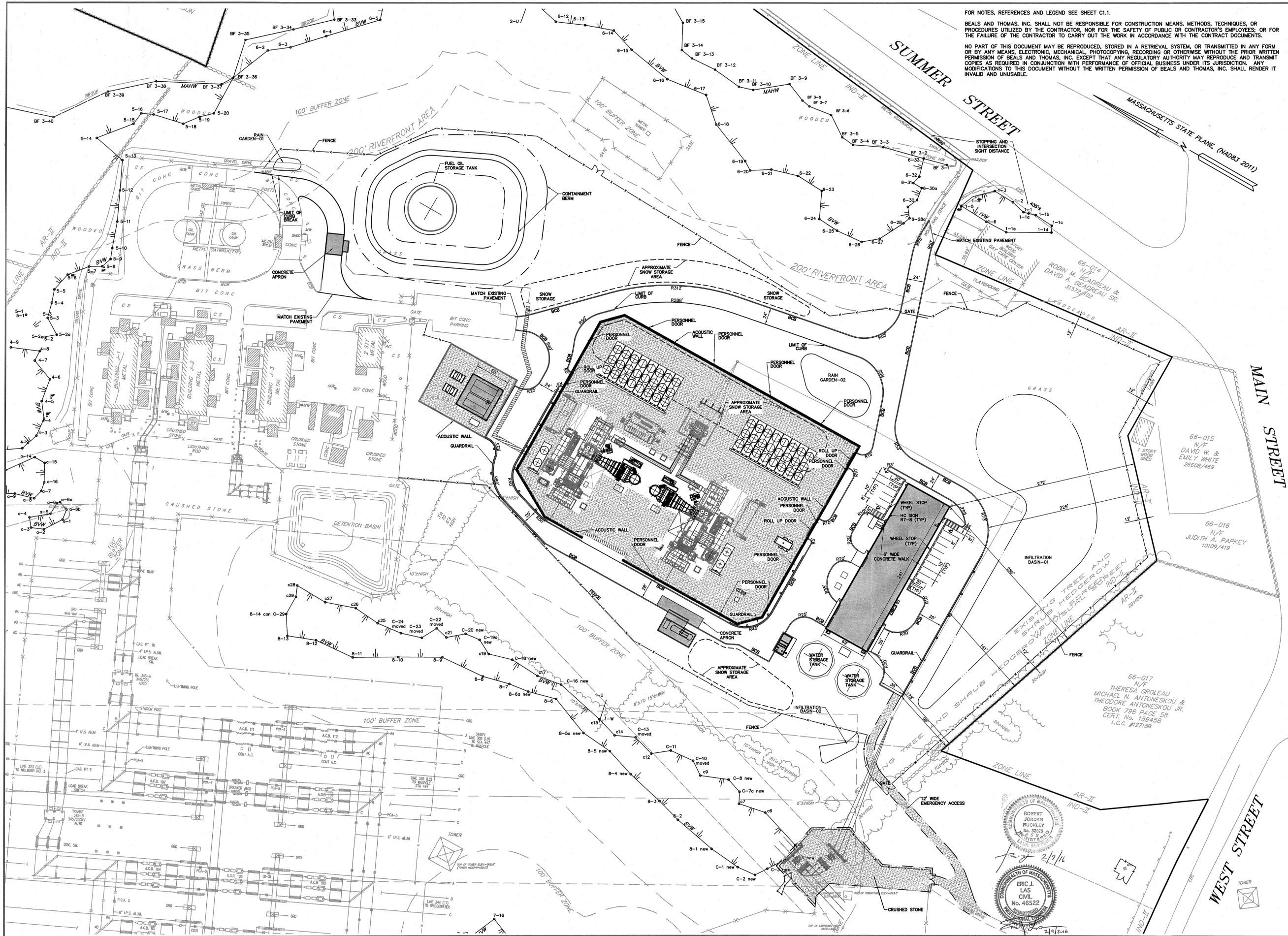
**C2.1**

FOR NOTES, REFERENCES AND LEGEND SEE SHEET C1.1.  
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THEODORE ANTONESKOU JR.  
BOOK 798 PAGE 58  
CERT. No. 159458  
L.C.C. #12158

ANRAD REVIEW OF WETLAND NOT REQUESTED AT THIS TIME.



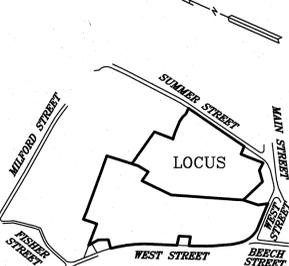
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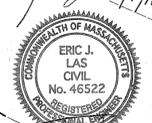
**WEST MEDWAY II  
 FACILITY**  
 MEDWAY, MASSACHUSETTS

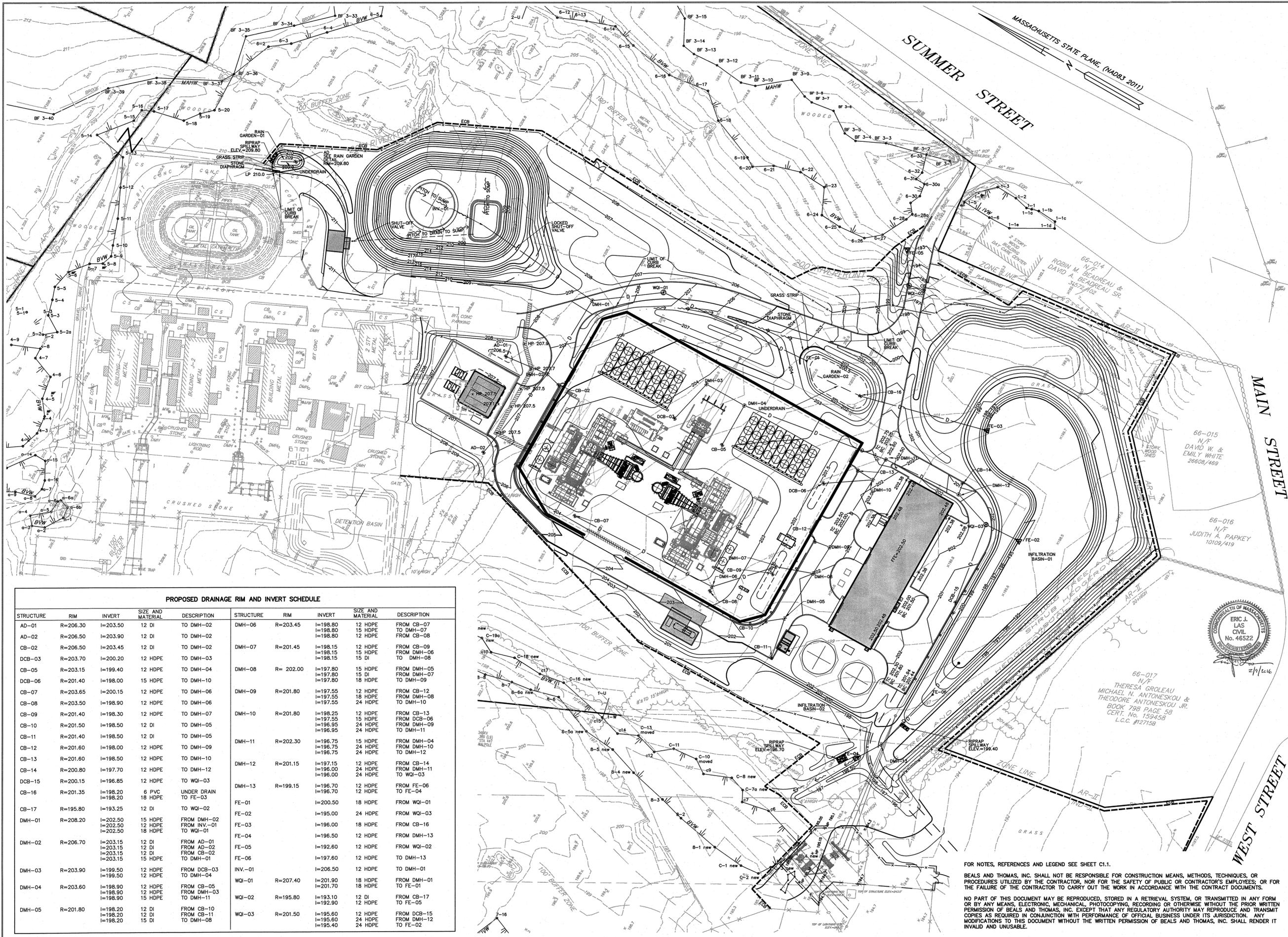
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**LAYOUT AND  
 MATERIALS PLAN**

B+T JOB NO. 1422.10  
 B+T PLAN NO.  
 142210P017A-002

**C3.1**





PROPOSED DRAINAGE RIM AND INVERT SCHEDULE

STRUCTURE	RIM	INVERT	SIZE AND MATERIAL	DESCRIPTION	STRUCTURE	RIM	INVERT	SIZE AND MATERIAL	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 TO DMH-07
AD-02	R=206.50	I=203.90	12 DI	TO DMH-02	DMH-07	R=201.45	I=198.15	12 HDPE	FROM CB-09 TO DMH-06
CB-02	R=206.50	I=203.45	12 DI	TO DMH-02	DMH-08	R=202.00	I=197.80	15 HDPE	FROM DMH-05 TO DMH-09
DCB-03	R=203.70	I=200.20	12 HDPE	TO DMH-03	DMH-09	R=201.80	I=197.55	12 HDPE	FROM CB-12 TO DMH-08
CB-05	R=203.15	I=199.40	12 HDPE	TO DMH-04	DMH-10	R=201.80	I=198.25	12 HDPE	FROM DMH-09 TO DMH-10
DCB-06	R=201.40	I=198.00	15 HDPE	TO DMH-10	DMH-11	R=202.30	I=196.75	15 HDPE	FROM DMH-04 TO DMH-10
CB-07	R=203.65	I=200.15	12 HDPE	TO DMH-06	DMH-12	R=201.15	I=197.15	12 HDPE	FROM CB-14 TO DMH-12
CB-08	R=203.50	I=198.90	12 HDPE	TO DMH-06	DMH-13	R=199.15	I=196.70	12 HDPE	FROM FE-06 TO WQI-03
CB-09	R=201.40	I=198.30	12 HDPE	TO DMH-07	FE-01	R=200.50	I=195.00	18 HDPE	FROM WQI-01 TO WQI-03
CB-10	R=201.50	I=198.50	12 DI	TO DMH-05	FE-02	R=195.00	I=195.00	24 HDPE	FROM WQI-03 TO WQI-03
CB-11	R=201.40	I=198.50	12 DI	TO DMH-05	FE-03	R=196.00	I=196.00	18 HDPE	FROM CB-16 TO CB-16
CB-12	R=201.60	I=198.00	12 HDPE	TO DMH-09	FE-04	R=196.50	I=196.50	12 HDPE	FROM DMH-13 TO DMH-13
CB-13	R=201.60	I=198.00	12 HDPE	TO DMH-10	FE-05	R=192.60	I=192.60	12 HDPE	FROM DMH-02 TO DMH-02
CB-14	R=200.80	I=197.70	12 HDPE	TO DMH-12	FE-06	R=197.60	I=197.60	12 HDPE	TO DMH-13
DCB-15	R=200.15	I=196.85	12 HDPE	TO WQI-03	INV-01	R=206.50	I=206.50	12 HDPE	TO DMH-01
CB-16	R=201.35	I=198.20	6 PVC	UNDER DRAIN TO FE-03	WQI-01	R=207.40	I=201.90	18 HDPE	FROM DMH-01 TO FE-01
CB-17	R=195.80	I=193.25	12 DI	TO WQI-02	WQI-02	R=195.80	I=193.10	12 DI	FROM CB-17 TO FE-05
DMH-01	R=208.20	I=202.50	15 HDPE	FROM DMH-02 FROM INV.-01 TO WQI-01	WQI-03	R=201.50	I=195.60	12 HDPE	FROM DCB-15 TO DMH-12
DMH-02	R=206.70	I=203.15	12 DI	FROM AD-01 FROM AD-02 FROM CB-02 TO DMH-01					
DMH-03	R=203.90	I=199.50	12 HDPE	FROM DCB-03 TO DMH-04					
DMH-04	R=203.60	I=198.90	12 HDPE	FROM CB-05 FROM DMH-03 TO DMH-11					
DMH-05	R=201.80	I=198.20	12 DI	FROM CB-10 FROM CB-11 TO DMH-08					

PREPARED FOR:  
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 Medway, LLC and  
 Exelon West  
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PROJECT:  
**WEST MEDWAY II  
 FACILITY**  
 MEDWAY, MASSACHUSETTS

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

**GRADING AND  
 DRAINAGE PLAN**

B+T JOB NO. 1422.10  
 B+T PLAN NO.  
 142210P017A-004

**C4.1**

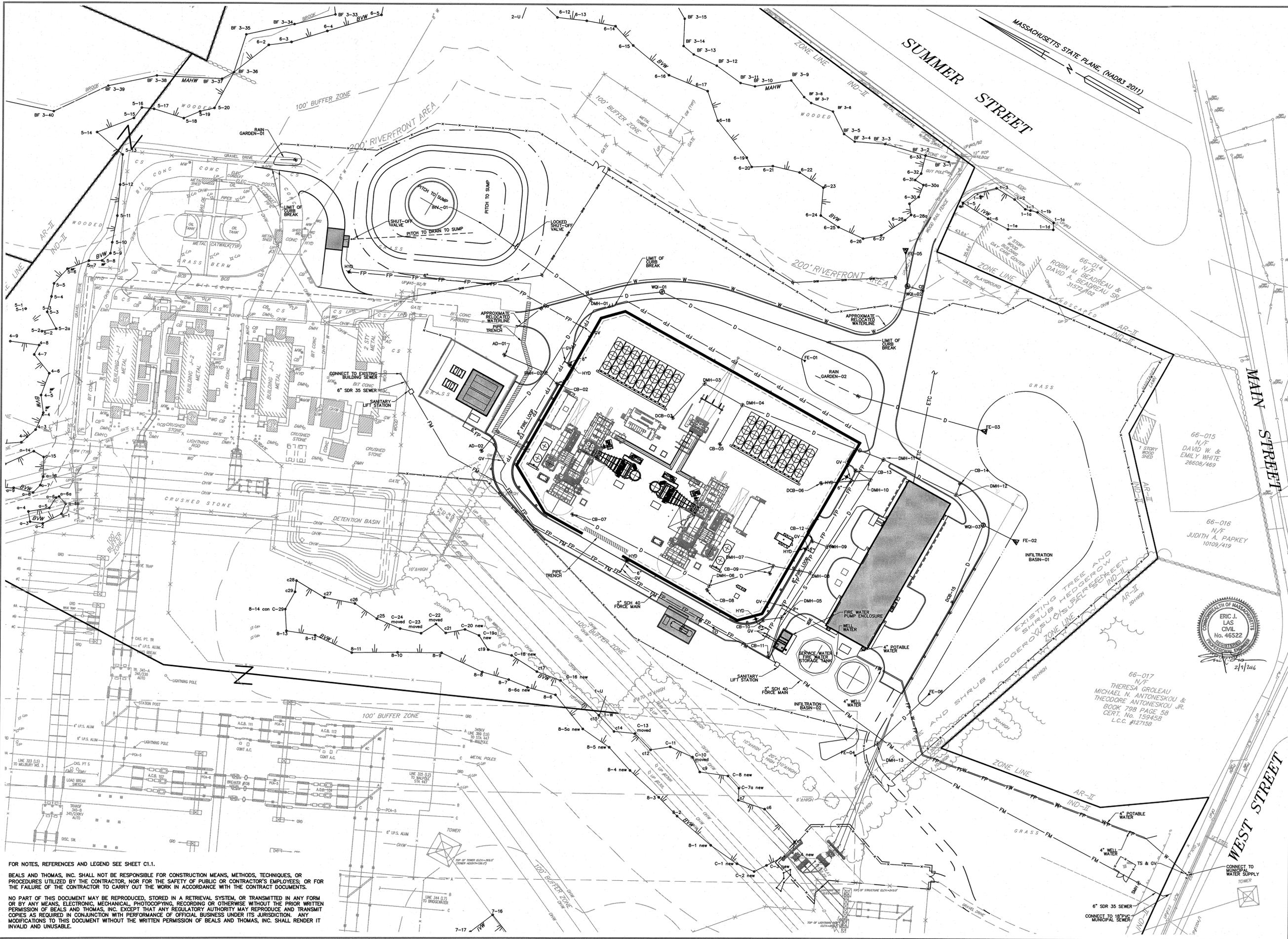
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 BOOK 798 PAGE 58  
 CERT. No. 153458  
 L.C.C. #127158



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

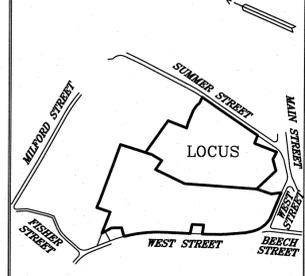
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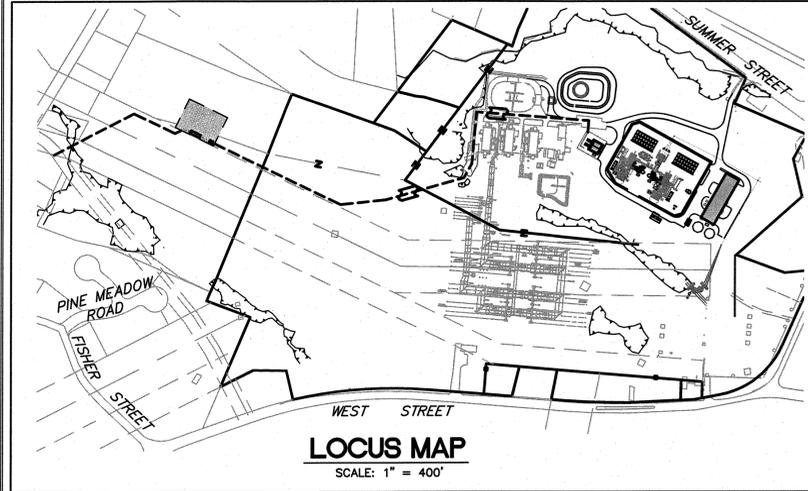
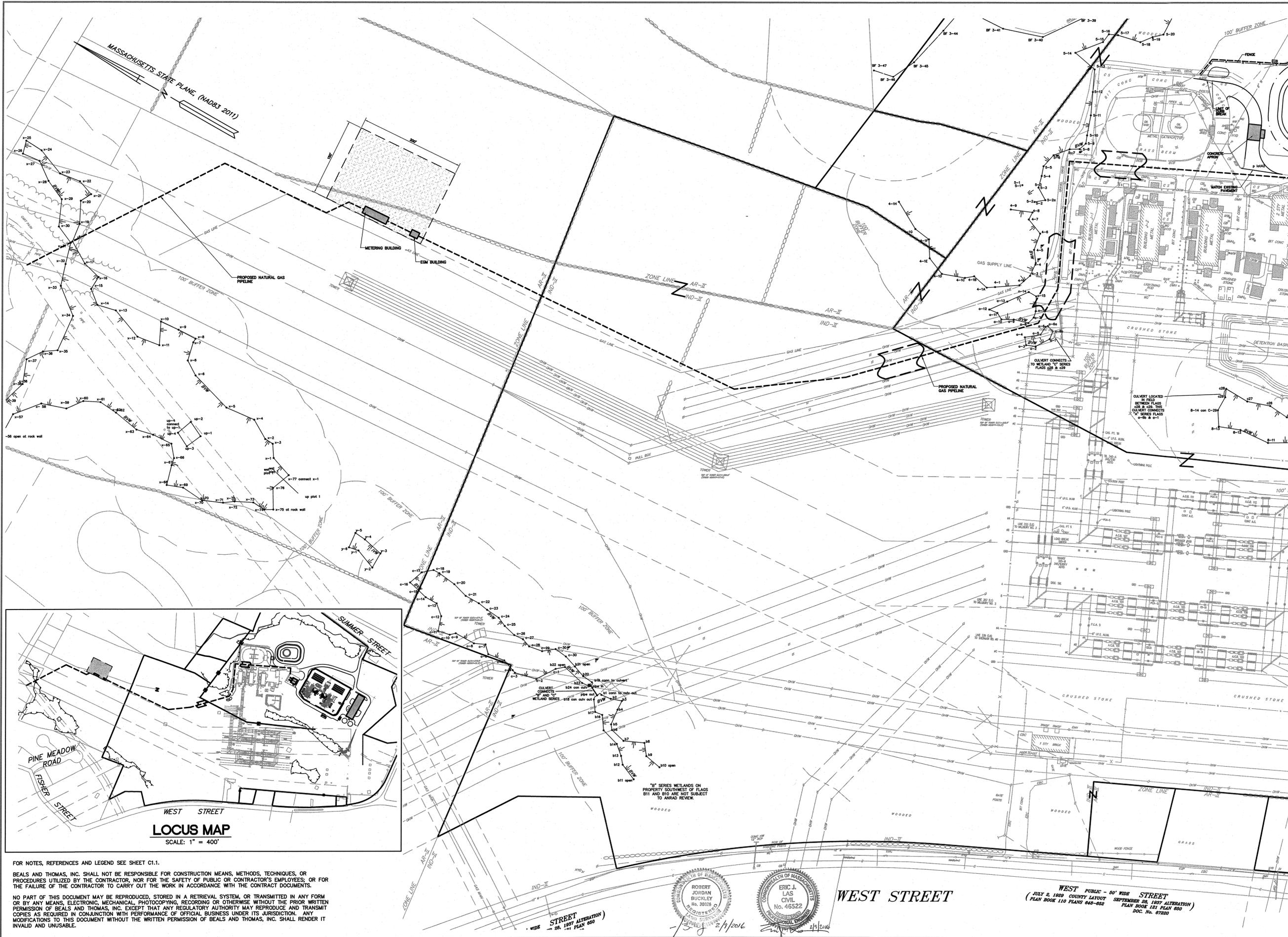
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**UTILITIES PLAN**

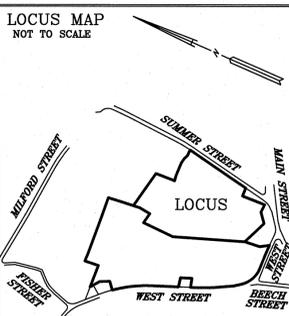
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B+T PLAN NO. 142210P017A-005  
**C5.1**



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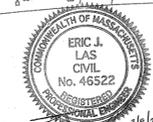
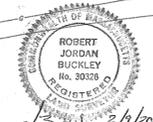
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**NATURAL GAS  
 PIPELINE  
 LAYOUT PLAN**

B+T JOB NO. 1422.10  
 B+T PLAN NO.  
 142210P017A-003

**C6.1**

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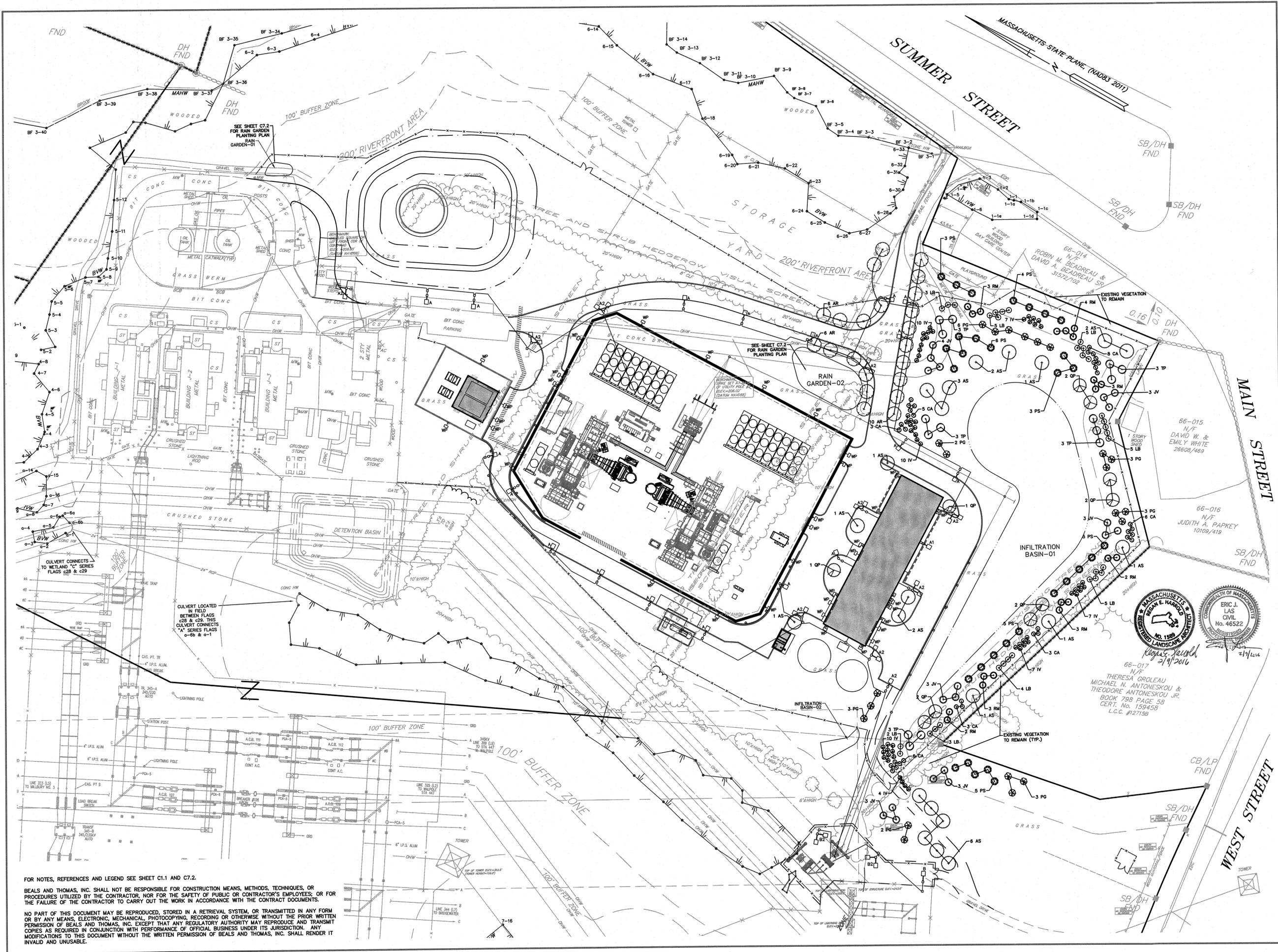


**WEST STREET**

WEST PUBLIC - 50' WIDE STREET  
 JULY 2, 1920 COUNTY LAYOUT SEPTEMBER 26, 1927 ALTERATION  
 PLAN BOOK 110 PLANS 648-652 PLAN BOOK 121 PLAN 660  
 DOC. NO. 07220

2/9/2016

2/9/2016



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

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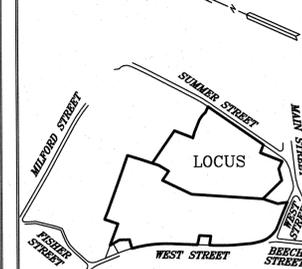
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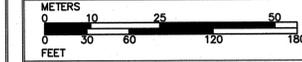
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MEDWAY, MASSACHUSETTS

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



**LANDSCAPE AND  
LIGHTING PLAN**

B+T JOB NO. 1422.10

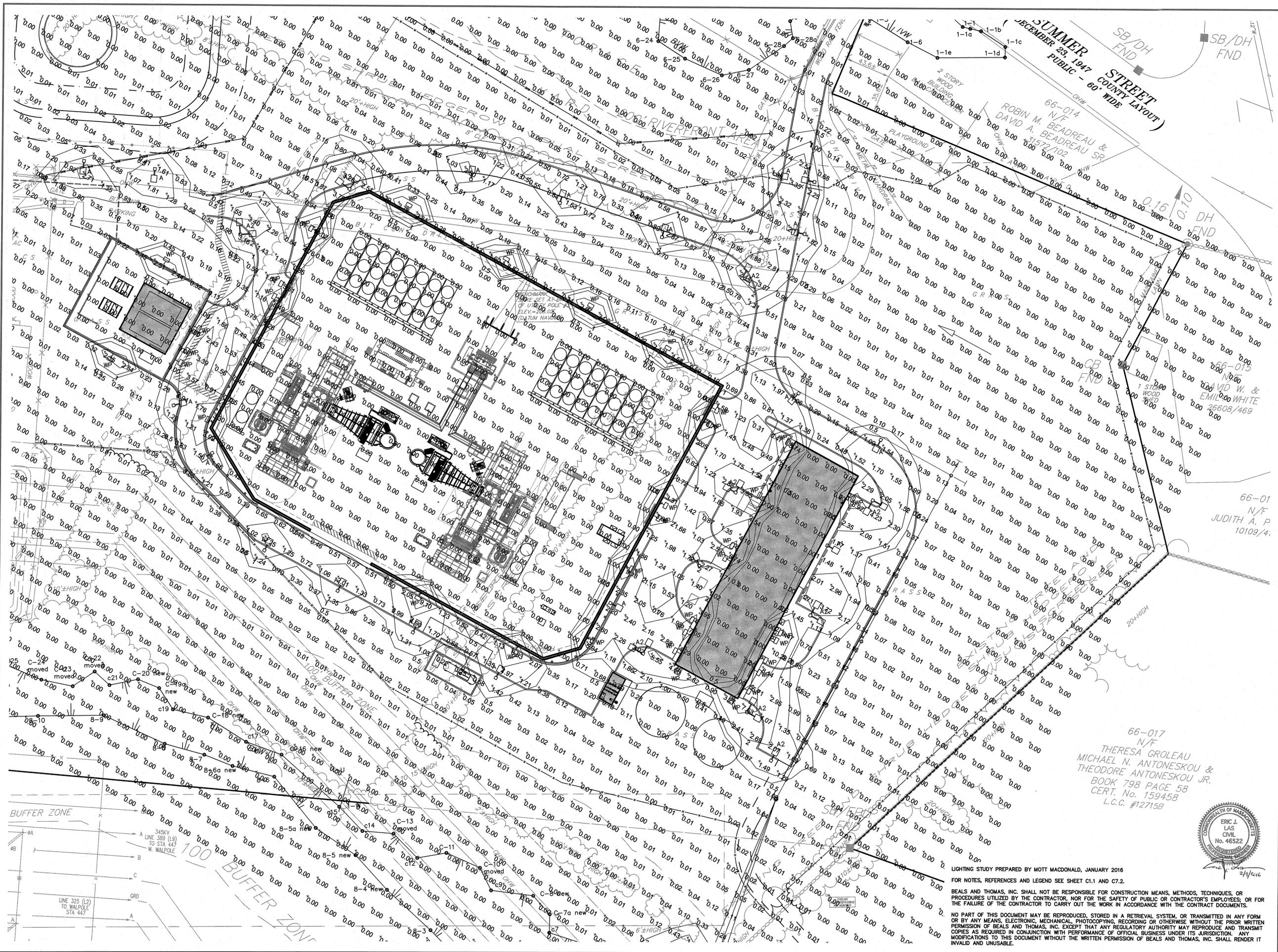
B+T PLAN NO.  
142210P018A-001

**C7.1**



66-017  
N/F  
THERESA GROLEAU  
MICHAEL N. ANTONESKOU &  
THEODORE ANTONESKOU JR.  
BOOK 798 PAGE 58  
CERT. No. 159458  
L.C.C. #127158



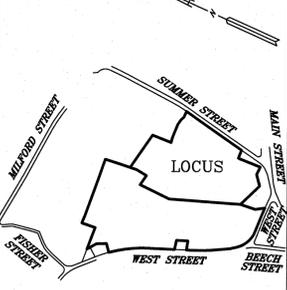


PREPARED FOR:

**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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PROJECT:  
**WEST MEDWAY II  
FACILITY**  
MEDWAY, MASSACHUSETTS

SCALE: 1" = 40' DATE: FEBRUARY 09, 2016  
METERS  
0 5 10 25  
FEET  
0 20 40 80 120

**PHOTOMETRIC PLAN**

B+T JOB NO. 1422.10  
B+T PLAN NO. 142210P018A-003  
**C8.1**

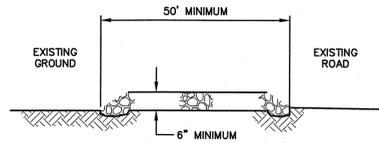
66-017  
N/F  
THERESA GROLEAU  
MICHAEL N. ANTONESKOU &  
THEODORE ANTONESKOU JR.  
BOOK 798 PAGE 58  
CERT. No. 159458  
L.C.G. #12715B



LIGHTING STUDY PREPARED BY MOTT MACDONALD, JANUARY 2016  
FOR NOTES, REFERENCES AND LEGEND SEE SHEET C1.1 AND C7.2.

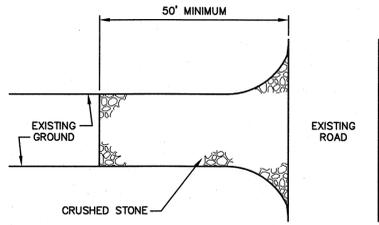
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PROVIDE APPROPRIATE TRANSITION BETWEEN STABILIZED CONSTRUCTION ENTRANCE AND ROAD

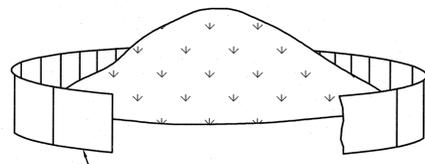
PROFILE VIEW



PLAN VIEW

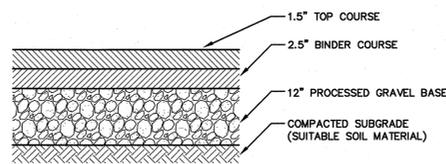
THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO EXISTING ROAD. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE OR ADDITIONAL LENGTH AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT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

STABILIZED CONSTRUCTION ENTRANCE  
NOT TO SCALE

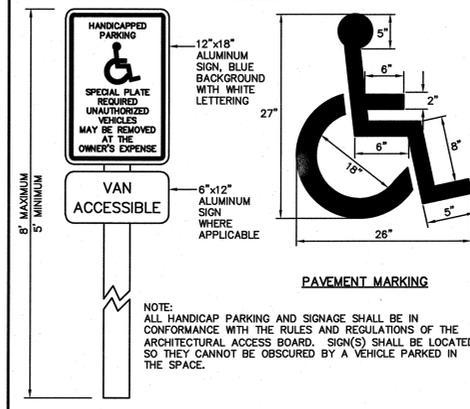


NOTE: CHOOSE DRY AND STABLE AREA FOR STOCKPILE.

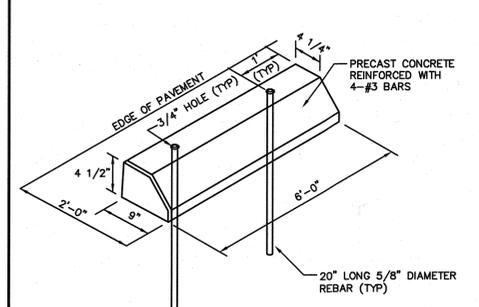
SOIL STOCKPILE  
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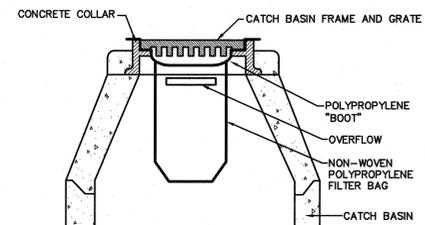
BITUMINOUS CONCRETE PAVEMENT  
NOT TO SCALE



HANDICAP SIGN AND PAVEMENT MARKING  
NOT TO SCALE

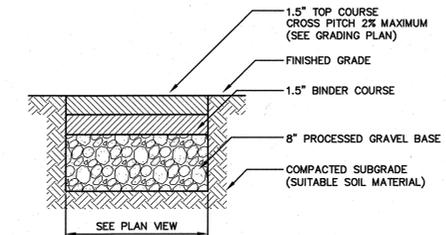


WHEEL STOP  
NOT TO SCALE

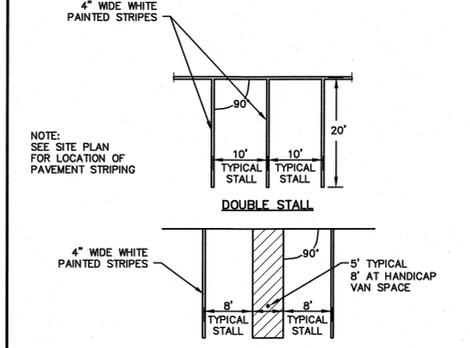


NOTES:  
1. TO BE INSTALLED IN CATCH BASINS IN TRAFFIC AREAS UNTIL COMPLETION OF CONSTRUCTION.  
2. BOOT ADAPTER MAY BE TRIMMED TO SIZE.

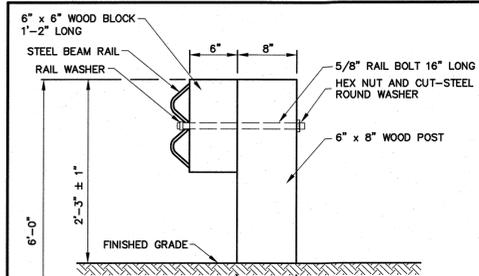
FILTER BAG  
NOT TO SCALE



BITUMINOUS CONCRETE WALK  
NOT TO SCALE



HANDICAP STALL  
PAVEMENT MARKING  
NOT TO SCALE



NOTES:  
1. POSTS TO BE SPACED 6'-3" O.C.  
2. CONSTRUCT IN ACCORDANCE WITH MHD CONSTRUCTION AND TRAFFIC STANDARD DETAILS.

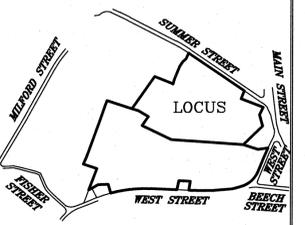
STEEL BEAM GUARD RAIL WITH WOOD POST  
NOT TO SCALE

PREPARED FOR:

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

300 Exelon Way  
Kennett Square, PA 19348

LOCUS MAP  
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PROJECT:

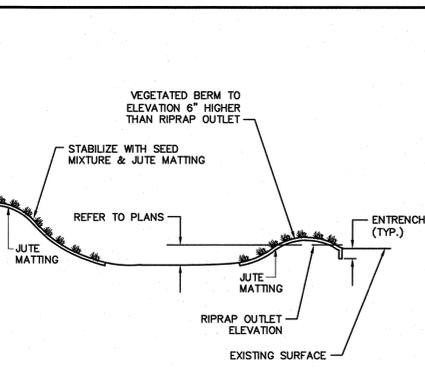
**WEST MEDWAY II  
FACILITY**  
MEDWAY, MASSACHUSETTS

SCALE: AS NOTED DATE: FEBRUARY 09, 2016

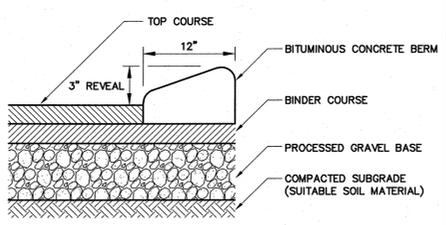
**SITE DETAILS**

B+T JOB NO. 1422.10  
B+T PLAN NO. 142210P019A-001

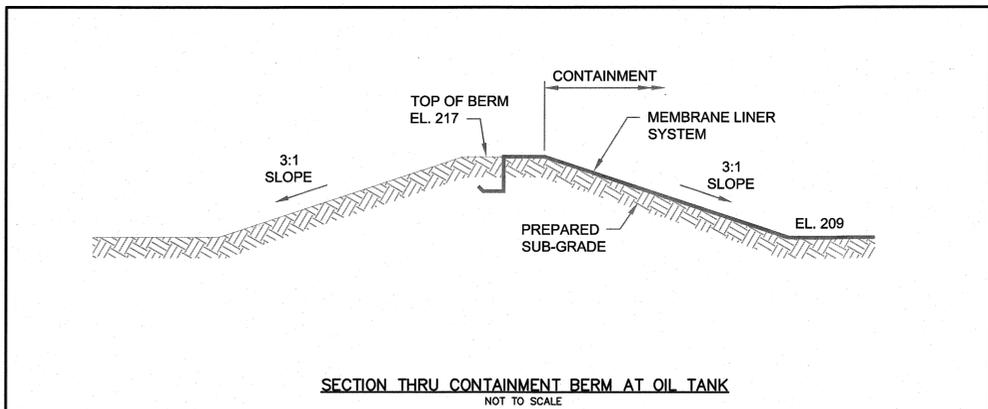
**C9.1**



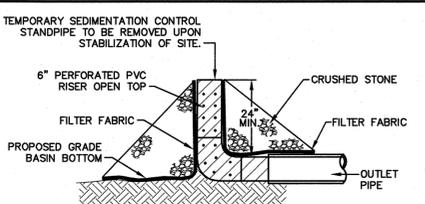
SEDIMENT BASIN CROSS SECTION  
NOT TO SCALE



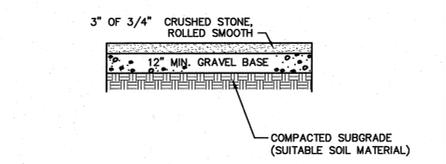
BITUMINOUS CONCRETE BERM  
NOT TO SCALE



SECTION THRU CONTAINMENT BERM AT OIL TANK  
NOT TO SCALE



TEMPORARY SEDIMENT BASIN OUTLET  
NOT TO SCALE



NOTE:  
1. REMOVAL TOPSOIL AND ALL UNSUITABLE MATERIAL AS REQUIRED AND REPLACE WITH GRAVEL.

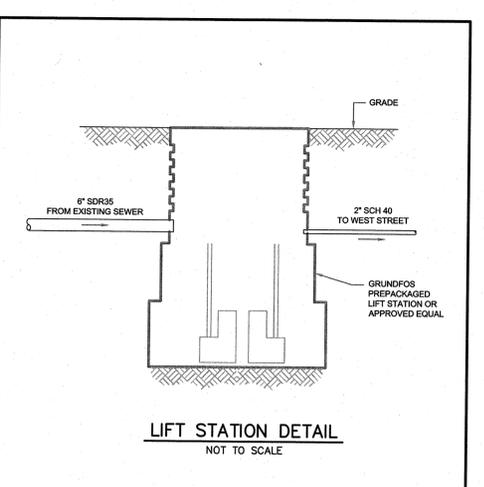
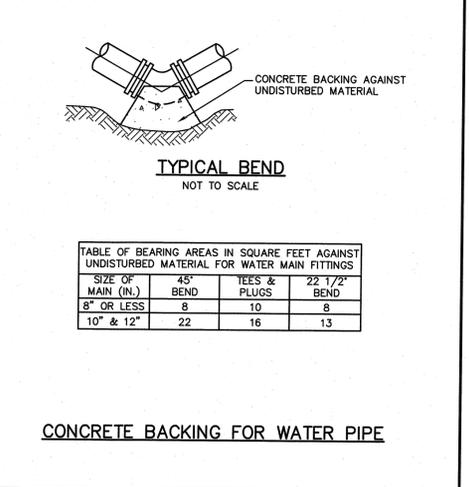
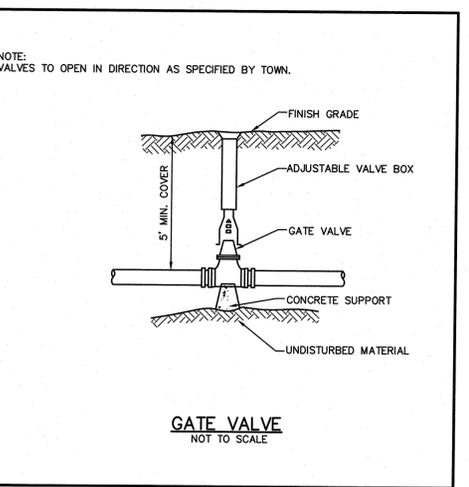
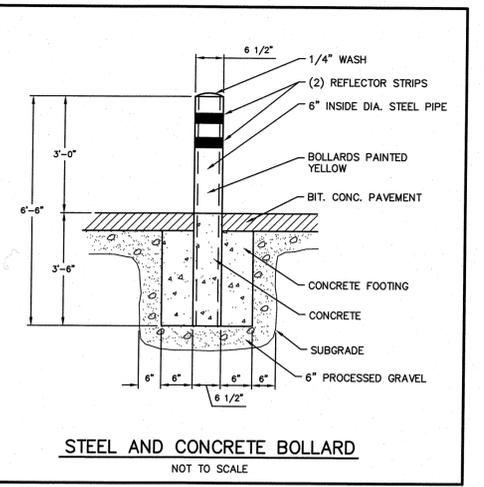
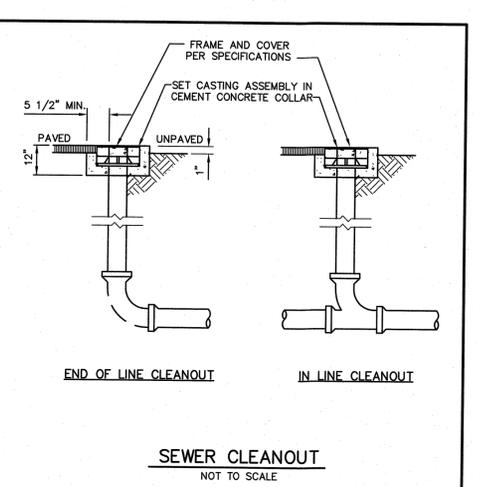
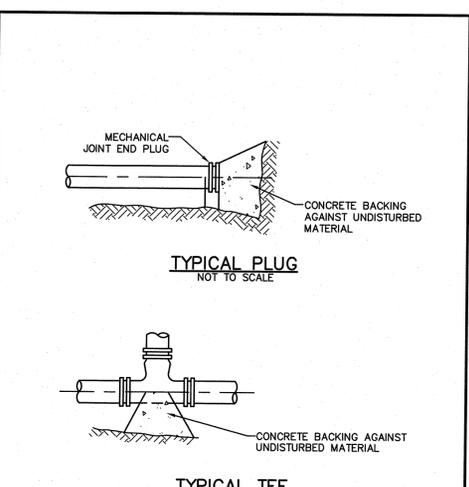
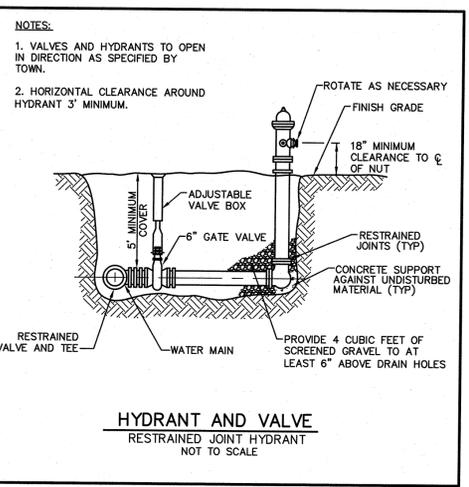
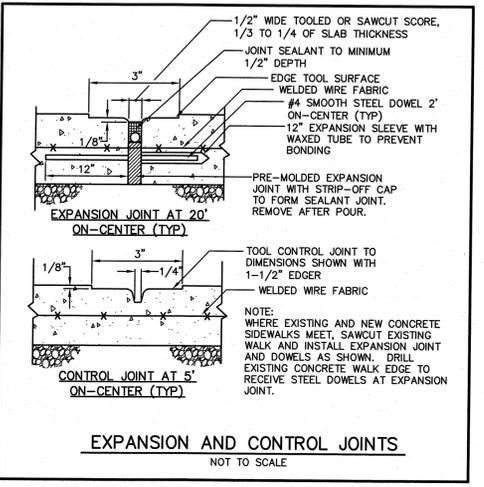
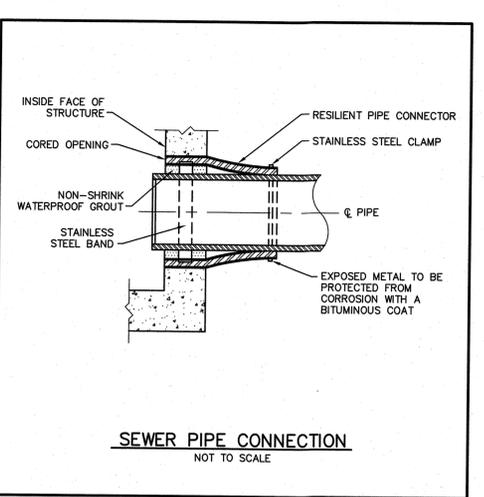
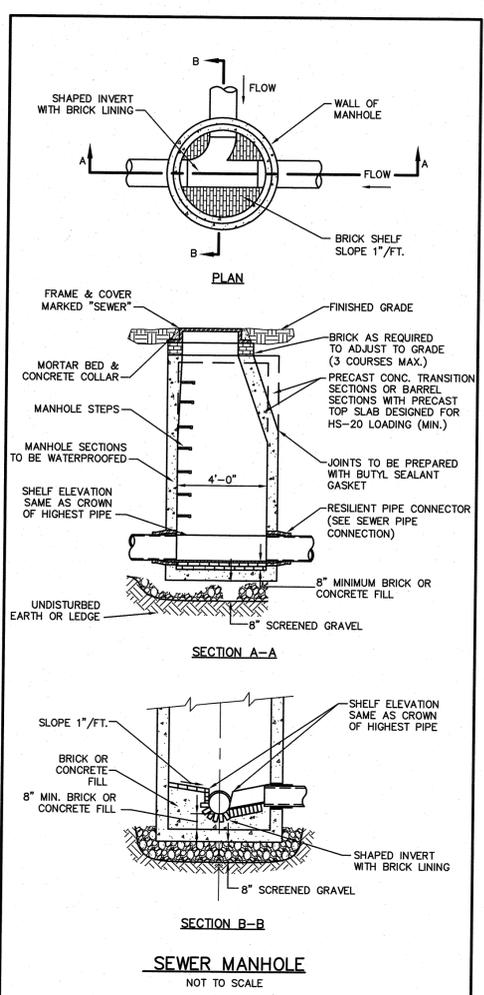
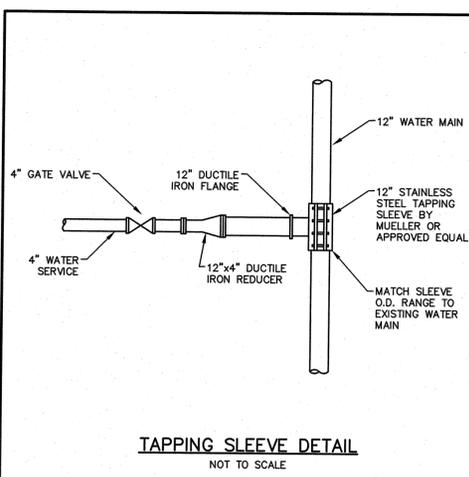
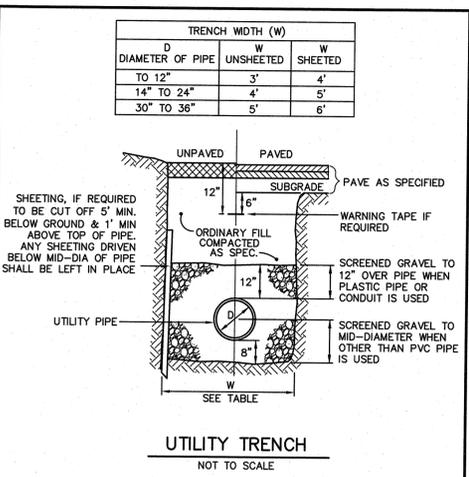
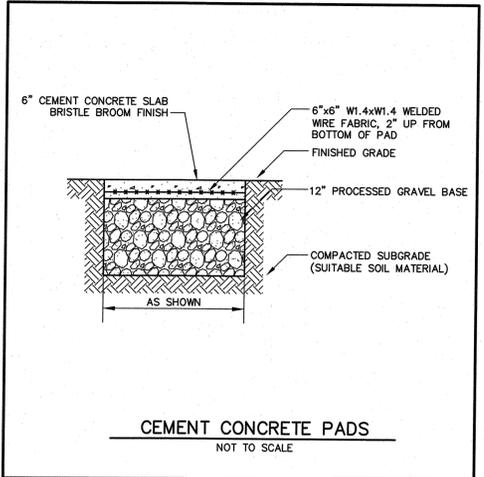
EMERGENCY ACCESS DRIVE/ CRUSHED STONE AREA  
NOT TO SCALE

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

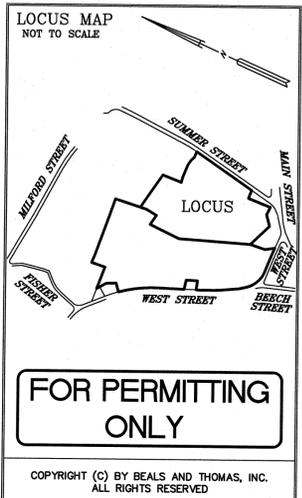
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**Exelon West Medway, LLC and Exelon West Medway II, LLC**  
300 Exelon Way  
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PREPARED BY:  
**BEALS + THOMAS**  
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PROJECT:  
**WEST MEDWAY II FACILITY**  
MEDWAY, MASSACHUSETTS

SCALE: AS NOTED DATE: FEBRUARY 09, 2016

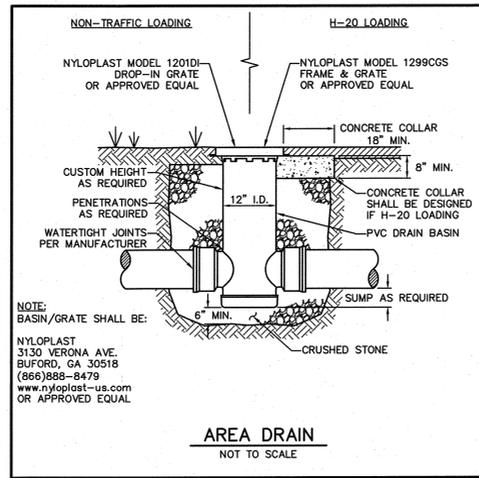
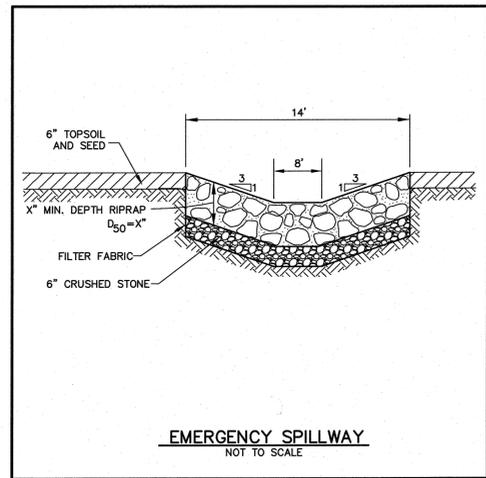
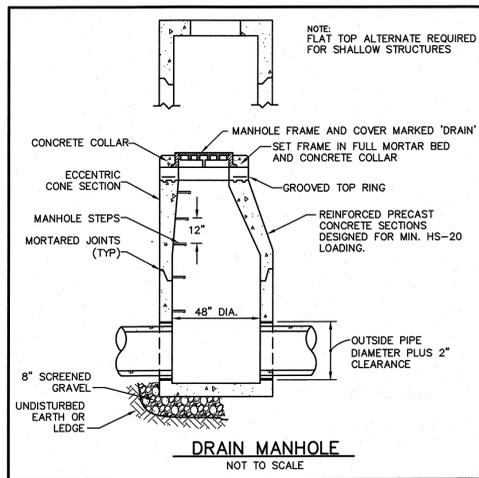
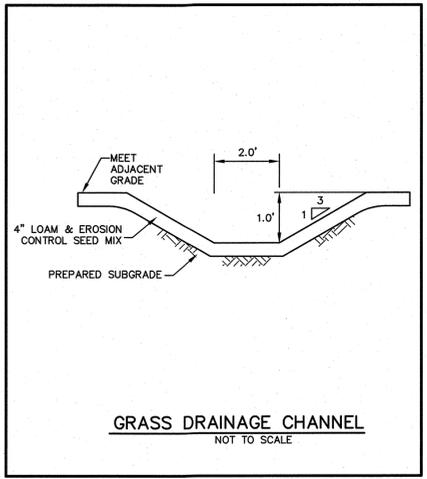
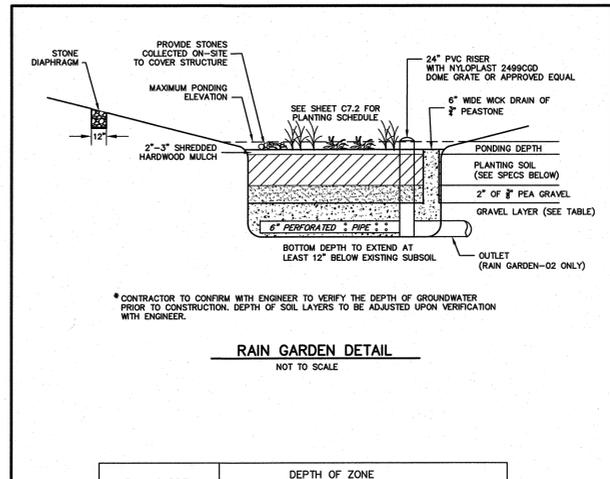
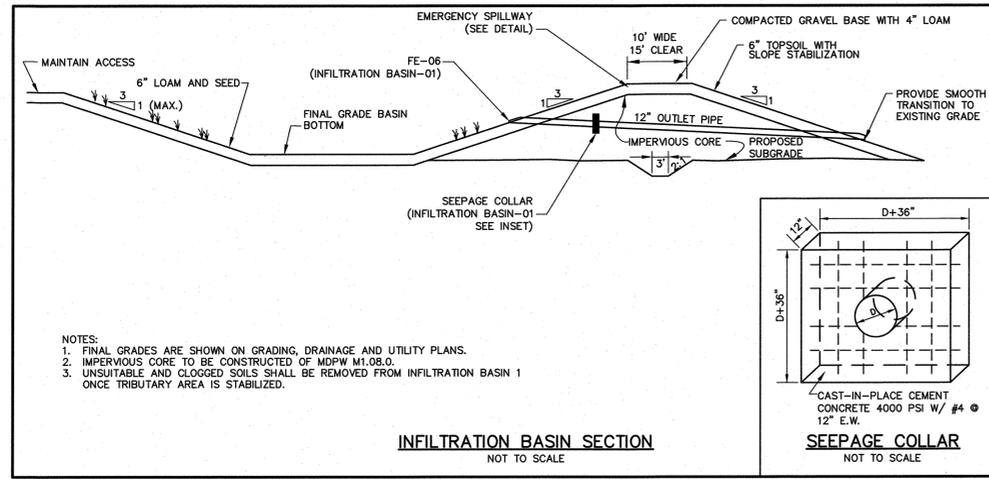
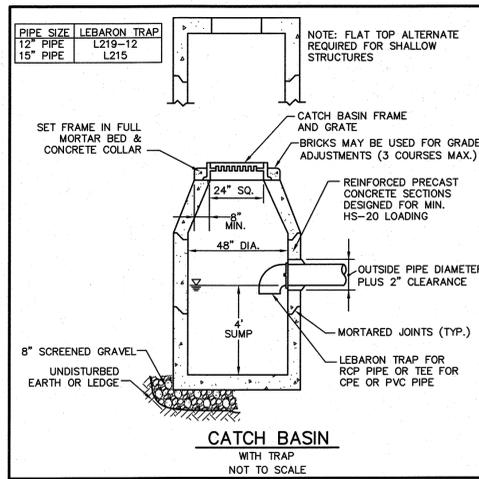
**SITE DETAILS**

B+T JOB NO. 1422.10  
B+T PLAN NO. 142210P019A-002

**C9.2**



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RAIN GARDEN	DEPTH OF ZONE			
	PONDING	MULCH	PLANTING SOIL	GRAVEL
1	0.9 FT	0.17 FT	2.00 FT	0.75 FT
2	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%

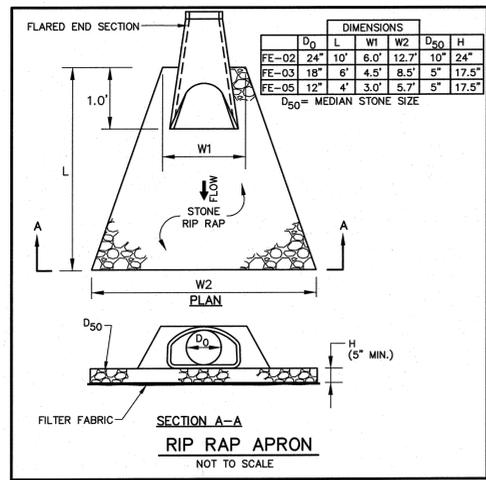
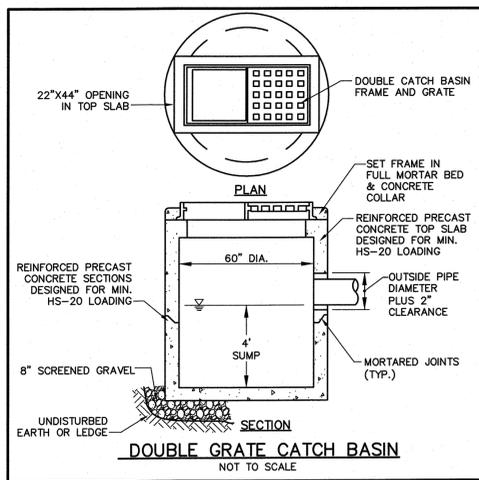
**PLANTING SOIL SPECIFICATIONS:**

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 BRP 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.



**LOCUS MAP NOT TO SCALE**

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**PREPARED BY:**

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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. 142210P019A-003

**C9.3**

FOR NOTES, REFERENCES AND LEGEND SEE SHEET C.11.

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**PROJECT:**

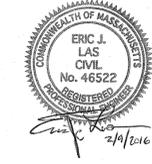
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B+T JOB NO. 1422.10  
B+T PLAN NO. 142210P019A-003

**C9.3**

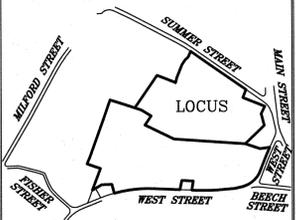


PREPARED FOR:

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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PROJECT:  
**WEST MEDWAY II  
FACILITY**  
MEDWAY, MASSACHUSETTS

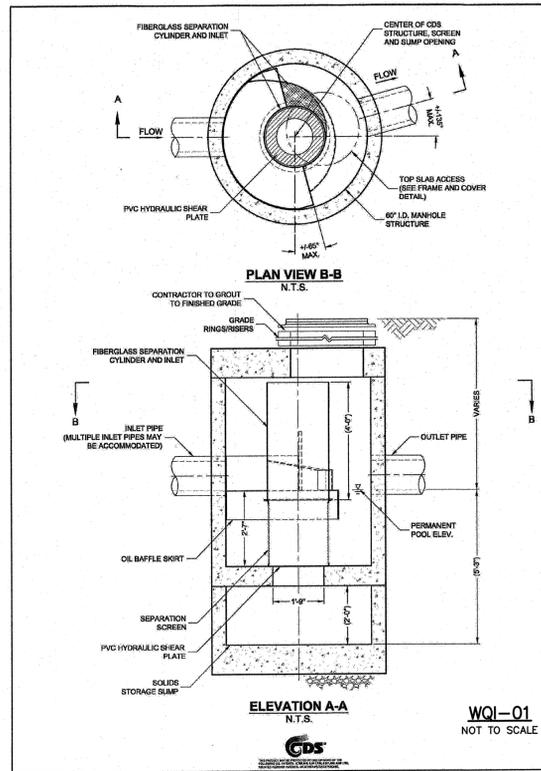
SCALE: AS NOTED DATE: FEBRUARY 09, 2016

SITE DETAILS

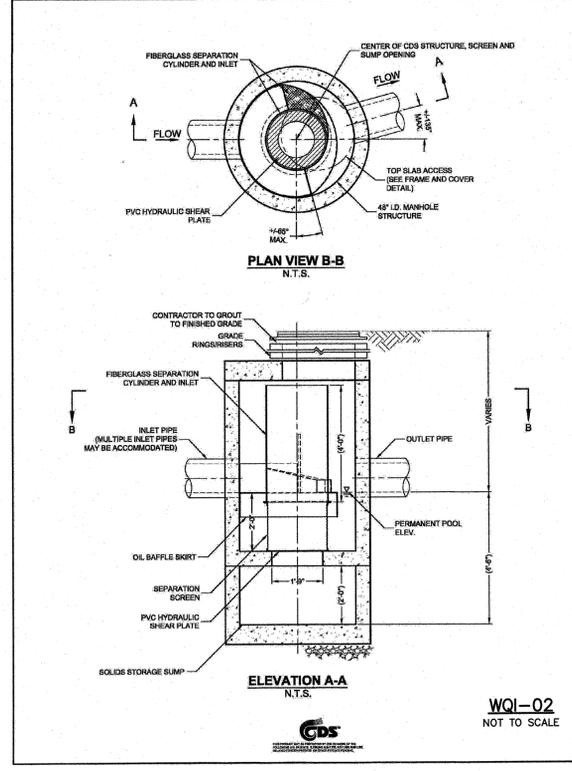
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B+T PLAN NO.  
142210P019A-004

C9.4



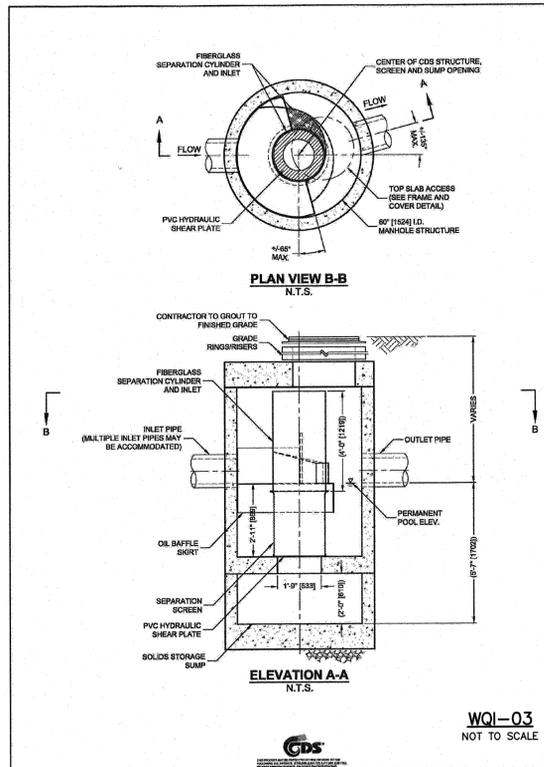
WQI-01  
NOT TO SCALE



WQI-02  
NOT TO SCALE

NOTES:  
OTHER ACCEPTABLE EQUIVALENT MAY BE USED IF THE FOLLOWING REQUIREMENTS ARE MET AND APPROVAL IS RECEIVED FROM THE ENGINEER.

- CALCULATIONS STAMPED BY A PROFESSIONAL ENGINEER SHALL BE SUPPLIED TO DEMONSTRATE THAT THE ALTERNATE WATER QUALITY STRUCTURES WILL ACCEPT THE DESIGN FLOW RATES WITHOUT CAUSING A BACKWATER CONDITION.
- THE WATER QUALITY STRUCTURE SHALL HAVE A PROVEN RECORD OF HAVING THE CAPABILITY TO REMOVE A MINIMUM OF 44% TOTAL SUSPENDED SOLIDS LOAD FROM THE LOW-FLOW STORM CONDITIONS FROM THE TOTAL CATCHMENT AREA OF THE DRAINAGE SYSTEM. THE STRUCTURE MUST BE CAPABLE OF REMOVING CLAY SIZE PARTICLES. THE WATER QUALITY STRUCTURE SHALL BE INSTALLED UNDERGROUND AS PART OF THE STORMWATER SYSTEM.
- THE STRUCTURE SHALL BE MAINTAINABLE FROM THE SURFACE VIA ACCESS POINTS WITHOUT REQUIRING ENTRY INTO THE INTERCEPTOR.
- THE STRUCTURE SHALL BE ABLE TO BE INSTALLED TO THE INVERT ELEVATIONS OF THE DRAINAGE SYSTEM AS DETAILED ON THE DRAWINGS.
- THE WATER QUALITY STRUCTURE SHALL BE CAPABLE OF CONTAINING SPILLS OF FLOATABLE SUBSTANCES SUCH AS OIL AND GASOLINE WITHIN THE STRUCTURE WITHOUT THE USE OF FLOATABLE ADDITIVES.
- THE WATER QUALITY STRUCTURE SHALL NOT BE COMPROMISED BY BACKWATER CONDITIONS I.E., TRAPPED POLLUTANTS SHOULD NOT BE RESUSPENDED AND SCOURED FROM THE INTERCEPTOR DURING BACKWATER CONDITIONS.



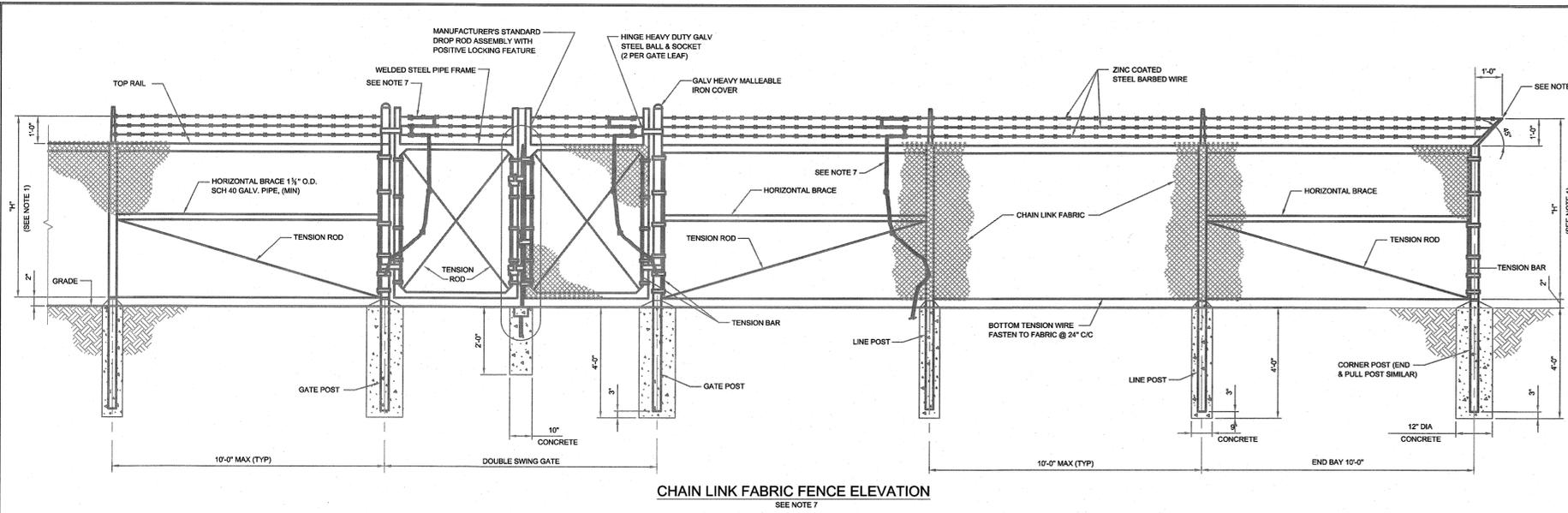
WQI-03  
NOT TO SCALE

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

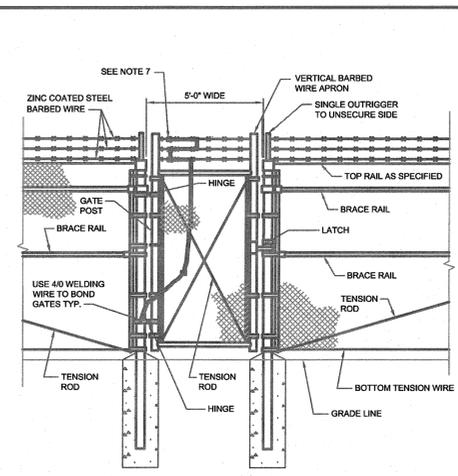
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**CHAIN LINK FABRIC FENCE ELEVATION**  
SEE NOTE 7

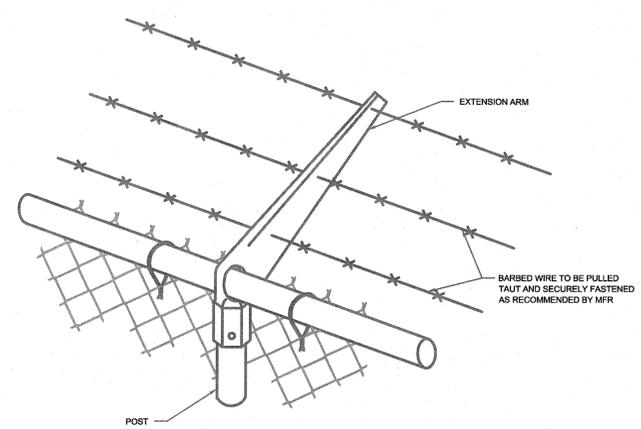


**PERSONNEL GATE**

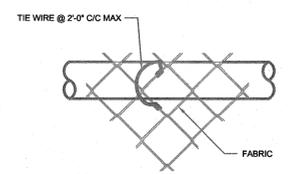
FOR NOTES, REFERENCES AND LEGEND SEE SHEET C1.1.

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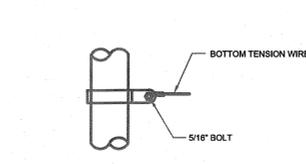
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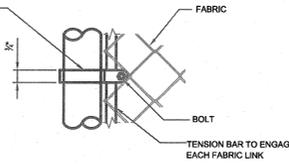
**EXTENSION ARM FOR BARBED WIRE**



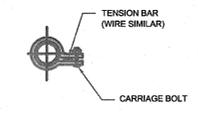
**WIRE TIES FOR TOP OR BRACE RAIL**



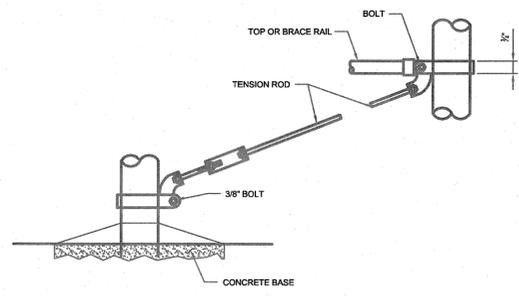
**BAND FOR WIRE STRETCHING**



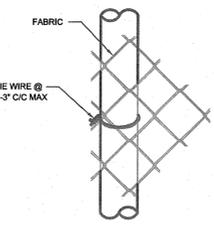
**DETAIL - END, CORNER, GATE AND PULL POSTS**



**PLAN AT BANDS**

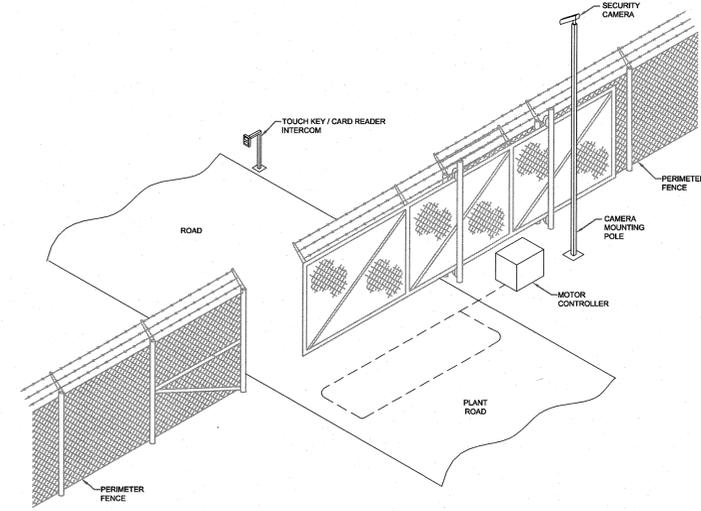


**TRUSS ROD AND BAND**

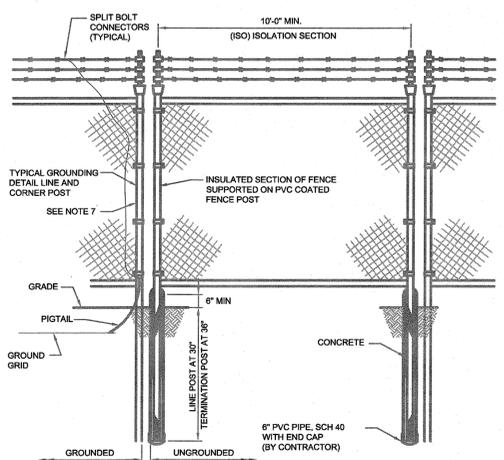


**WIRE TIES FOR POST**

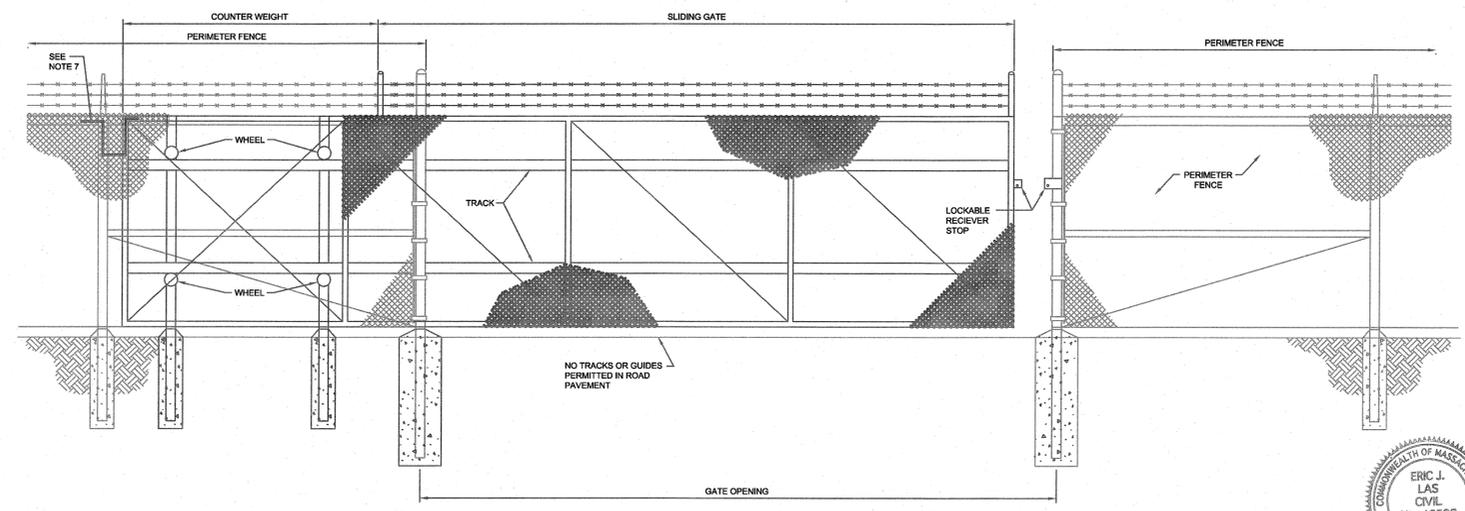
- OVERALL HEIGHT 7'-0" OF FENCE SHALL BE 8'-0" UNLESS OTHERWISE NOTED. WITH 3 STRANDS OF 4 POINT BARBED WIRE SECURELY ATTACHED TO SINGLE EXTENSION ARMS ALONG TOP OF FENCE.
- SINGLE EXTENSION ARMS SHALL POINT OUTWARD AT ANGLE OF 45 DEGREES.
- PROVIDE ONE GATE KEEPER (TO HOLD GATE OPEN) PER DOUBLE SWING GATE. ANCHOR IN CONCRETE.
- SEE CHAIN LINK FENCE TECHNICAL SPECIFICATION A244238-SPCS323113.
- PROVIDE ELECTRICAL ISOLATION FOR FENCE SECTIONS IMMEDIATELY BETWEEN GROUNDED AND NON-GROUNDED FENCE SECTIONS. SEE ELECTRICAL DRAWINGS.
- MOTOR OPERATED GATE OPENING DETAILS SHALL BE IN ACCORDANCE WITH MANUFACTURERS DETAILS AND IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.
- FOR GROUNDING OF FENCE, PERSONNEL, DOUBLE SWING, AND CANTILEVERED SLIDE GATES SEE ELECTRICAL DRAWINGS.



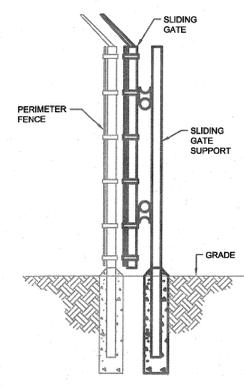
**TYPICAL CANTILEVER SLIDE GATE**



**TYPICAL FENCE ISOLATION SECTION (ISO)**  
SEE NOTE 5



**SLIDING GATE ELEVATION**



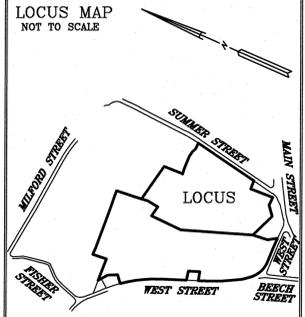
**SLIDING GATE SECTION**



PREPARED FOR:

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

300 Exelon Way  
Kennett Square, PA 19348



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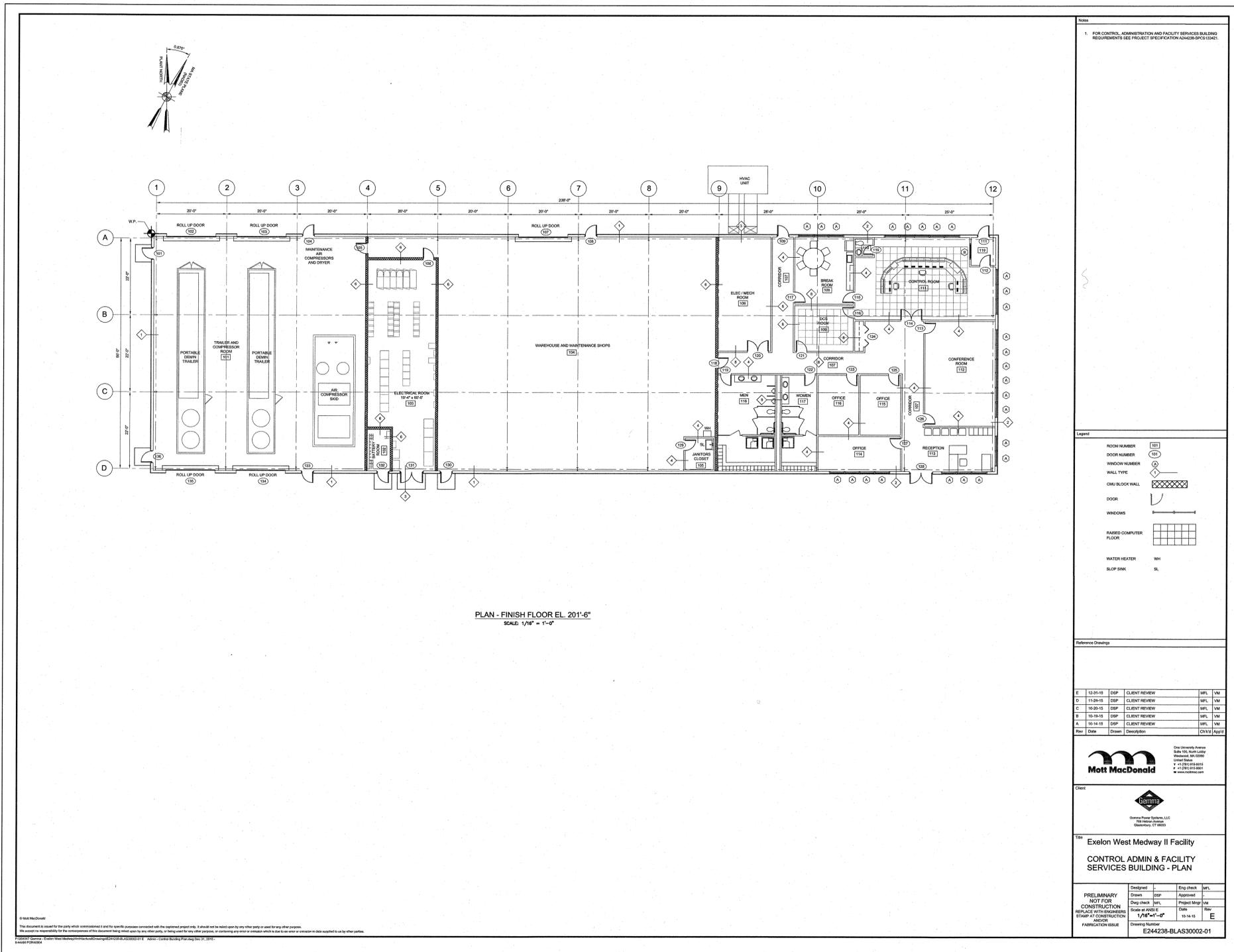
**WEST MEDWAY II  
FACILITY**  
MEDWAY, MASSACHUSETTS

SCALE: AS NOTED DATE: FEBRUARY 09, 2016

**SITE DETAILS**

B+T JOB NO. 1422.10  
B+T PLAN NO. 142210P019A-005

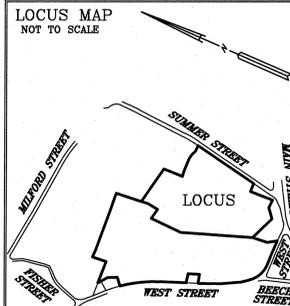
**C9.5**



PREPARED FOR:

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Exelon West  
Medway II, LLC**

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PROJECT:

**WEST MEDWAY II  
FACILITY**  
MEDWAY, MASSACHUSETTS

SCALE: AS NOTED DATE: FEBRUARY 09, 2016

**CONTROL ADMIN +  
FACILITY SERVICE  
BUILDING PLAN**

B+T JOB NO. 1422.10  
B+T PLAN NO.  
142210P015A-003

**A11**



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