

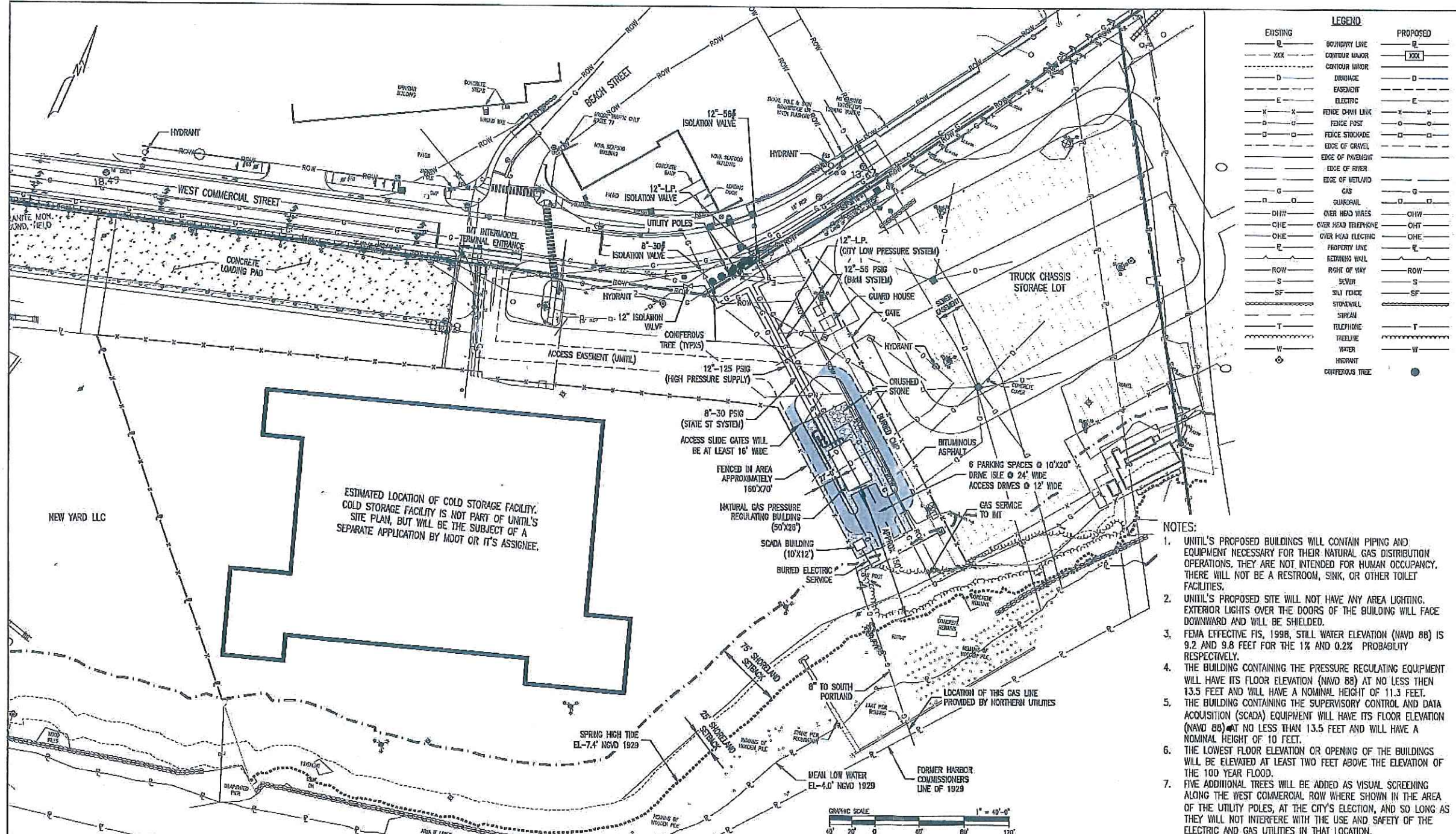
59-A-1

#2016-085

74 West Commercial Street

IMT (Portland International Marine Terminal) Expansion – Unitil Gas Facility

MDOT (Maine Department of Transportation)



EXISTING	PROPOSED

- NOTES:
1. UNITIL'S PROPOSED BUILDINGS WILL CONTAIN PIPING AND EQUIPMENT NECESSARY FOR THEIR NATURAL GAS DISTRIBUTION OPERATIONS. THEY ARE NOT INTENDED FOR HUMAN OCCUPANCY. THERE WILL NOT BE A RESTROOM, SINK, OR OTHER TOILET FACILITIES.
 2. UNITIL'S PROPOSED SITE WILL NOT HAVE ANY AREA LIGHTING. EXTERIOR LIGHTS OVER THE DOORS OF THE BUILDING WILL FACE DOWNWARD AND WILL BE SHIELDED.
 3. FEMA EFFECTIVE FIS, 1996, STILL WATER ELEVATION (NAVD 88) IS 9.2 AND 9.8 FEET FOR THE 1% AND 0.2% PROBABILITY RESPECTIVELY.
 4. THE BUILDING CONTAINING THE PRESSURE REGULATING EQUIPMENT WILL HAVE ITS FLOOR ELEVATION (NAVD 88) AT NO LESS THAN 13.5 FEET AND WILL HAVE A NOMINAL HEIGHT OF 11.3 FEET. THE BUILDING CONTAINING THE SUPERVISORY CONTROL AND DATA ACQUISITION (SCADA) EQUIPMENT WILL HAVE ITS FLOOR ELEVATION (NAVD 88) AT NO LESS THAN 13.5 FEET AND WILL HAVE A NOMINAL HEIGHT OF 10 FEET.
 5. THE LOWEST FLOOR ELEVATION OR OPENING OF THE BUILDINGS WILL BE ELEVATED AT LEAST TWO FEET ABOVE THE ELEVATION OF THE 100 YEAR FLOOD.
 6. FIVE ADDITIONAL TREES WILL BE ADDED AS VISUAL SCREENING ALONG THE WEST COMMERCIAL ROW WHERE SHOWN IN THE AREA OF THE UTILITY POLES, AT THE CITY'S ELECTION, AND SO LONG AS THEY WILL NOT INTERFERE WITH THE USE AND SAFETY OF THE ELECTRIC AND GAS UTILITIES IN THAT LOCATION.

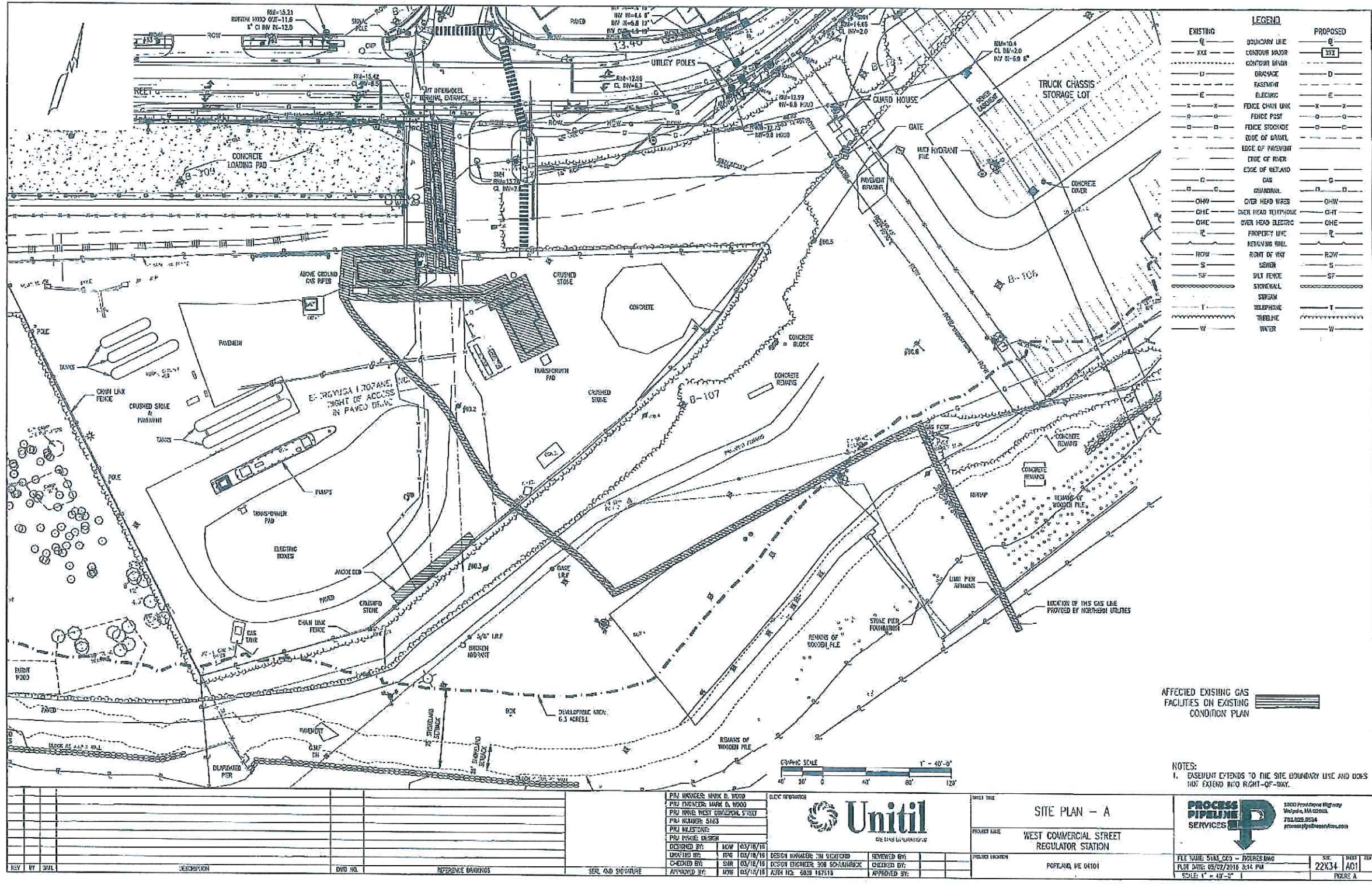


PROJECT INFORMATION Unitil THE GAS OPERATIONS		SHEET TITLE SITE PLAN		PROJECT NAME WEST COMMERCIAL STREET REGULATOR STATION		PROJECT LOCATION PORTLAND, ME 04101		FILE NAME: S103.DWG - SITE FIGURE.DWG PLOT DATE: 05/05/2016 10:46 AM SCALE: 1" = 40'-0"		SHEET NO.: 22X34 SHEET OF: AD1 SHEET 1 OF 1			
PROJECT MANAGER: MARY D. WOOD PROJ. ENGINEER: MARY D. WOOD PROJ. NAME: WEST COMMERCIAL STREET PROJ. NUMBER: S103 PROJ. MILESTONE: PROJ. PHASE: DESIGN		DESIGNED BY: MOW 03/16/16 DRAFTED BY: RPD 03/16/16 CHECKED BY: SMR 03/16/16 APPROVED BY: MOW 03/16/16		DESIGN MANAGER: TIM BOFFORD DESIGN ENGINEER: BOB SCHUMERICK ALTH. NO.: 0039 147616		REVIEWED BY: CHECKED BY: APPROVED BY:		SEAL AND SIGNATURE		REFERENCE DRAWINGS		REV. BY DATE DESCRIPTION	

ESTIMATED LOCATION OF COLD STORAGE FACILITY. COLD STORAGE FACILITY IS NOT PART OF UNITIL'S SITE PLAN, BUT WILL BE THE SUBJECT OF A SEPARATE APPLICATION BY MDOT OR IT'S ASSIGNEE.

NEW YARD LLC





REV	BY	DATE	DESCRIPTION	DWG NO.	REFERENCE DRAWINGS	SCALE AND SIGNATURE

PRJ MANAGER: MARK D. WOOD
 PRJ ENGINEER: MARK D. WOOD
 PRJ INVE. NEST CONCEPT: S. RYAN
 PRJ INVE. NEST: S. RYAN
 PRJ DESIGN: S. RYAN
 DESIGNED BY: MOW 03/18/16
 CHECKED BY: SHR 03/18/16
 APPROVED BY: MOW 03/18/16

DESIGN NUMBER: JIM WILCOX
 DESIGN ENGINEER: BOB SCHUMBERG
 JUNE NO. 6038 167518

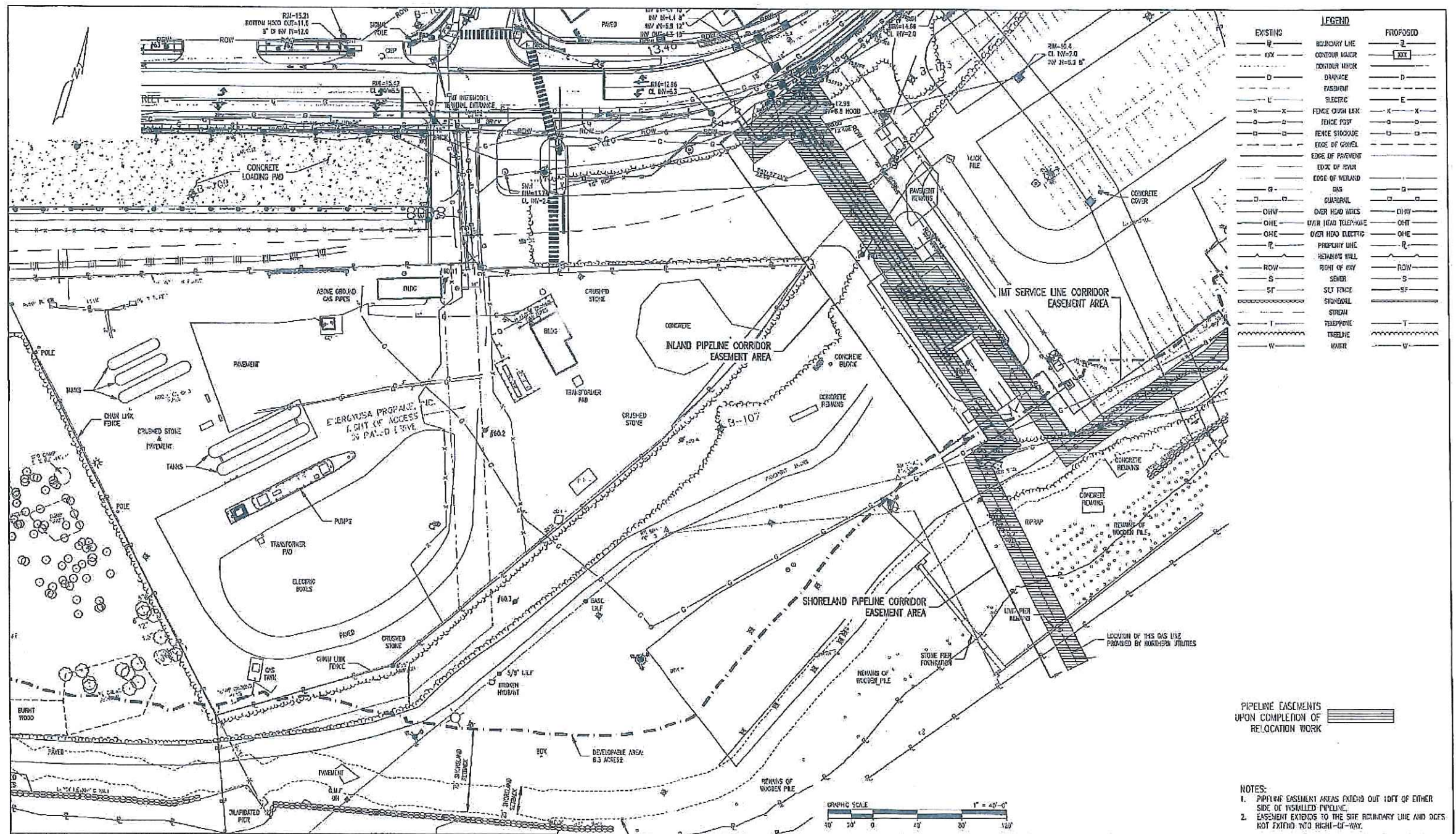
Unitil
 GAS UTILITY CORPORATION

SHEET TITLE: SITE PLAN - A
 PROJECT NAME: WEST COMMERCIAL STREET REGULATORY STATION
 PROJECT LOCATION: PORTLAND, ME 04101

PROCESS PIPELINE SERVICES
 3300 Providence Highway
 Westport, ME 04091
 TEL: 602.2034
 process@processpipe.com

FILE NAME: 5181_003 - REGULATOR
 PLOT DATE: 05/02/2016 3:14 PM
 SCALE: 1" = 40'-0"

SHEET NO: 22X34
 PART: 1A01
 FIGURE: A

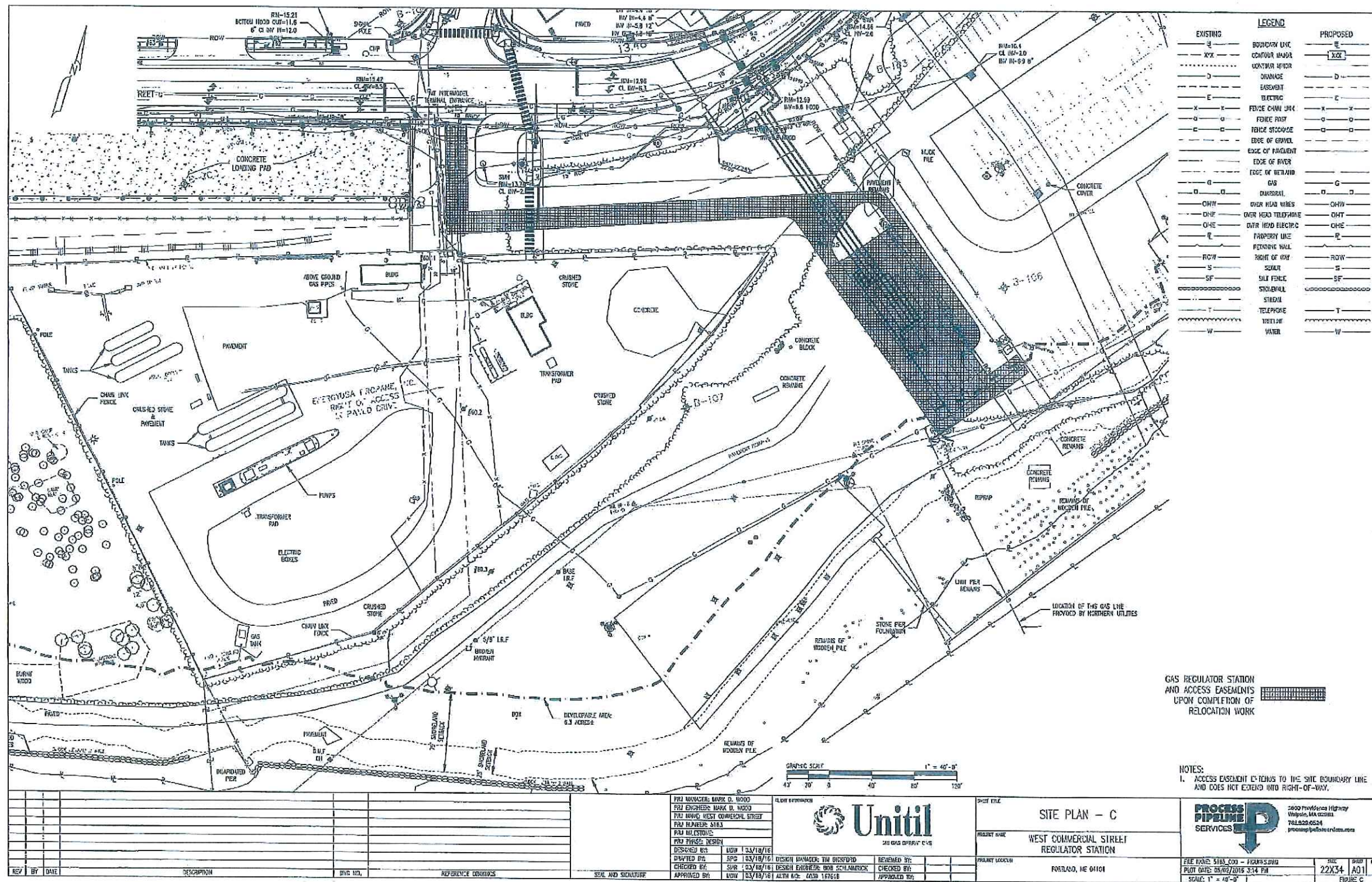


EXISTING	LEGEND	PROPOSED
—	BOUNDARY LINE	—
---	CONTOUR MAJOR	---
---	CONTOUR MINOR	---
---	DRAINAGE	---
---	EASEMENT	---
---	ELECTRIC	---
---	FENCE CHAIN LINK	---
---	FENCE POST	---
---	FENCE STOCKADE	---
---	EDGE OF GRAVEL	---
---	EDGE OF PAVEMENT	---
---	EDGE OF ASPHALT	---
---	EDGE OF MEADOW	---
---	GAS	---
---	GUARDRAIL	---
---	OVER HEAD WIRES	---
---	OVER HEAD TELEPHONE	---
---	OVER HEAD ELECTRIC	---
---	PROPERTY LINE	---
---	REBARRED WALL	---
---	RIGHT OF WAY	---
---	SEWER	---
---	SET FENCE	---
---	STONEWALL	---
---	STREAM	---
---	TELEPHONE	---
---	TREELINE	---
---	WATER	---

PIPELINE EASEMENTS UPON COMPLETION OF RELOCATION WORK

- NOTES:
1. PIPELINE EASEMENT AREAS EXTEND OUT 10 FT OF EITHER SIDE OF INSTALLED PIPELINE.
 2. EASEMENT EXTENDS TO THE SITE BOUNDARY LINE AND DOES NOT EXCEED 100' RIGHT-OF-WAY.

PROJECT INFORMATION PROJECT NAME: WEST COMMERCIAL STREET REGULATORY STATION PROJECT LOCATION: FORTLAUD, ME 01101		DESIGN INFORMATION DESIGNED BY: UDW 10/27/16 CHECKED BY: SUB 03/18/16 APPROVED BY: NEW 10/18/16		UNITIL DESIGN MANAGER: TM BICATOND DESIGN ENGINEER: BOB SCHLAURACK AUTH NO: 6038 157615		SHEET TITLE: SITE PLAN - B SHEET NO: 22X34 / 01 SCALE: 1" = 40'-0"		PROCESS PIPELINE SERVICES 3000 Portland Avenue Highway Waukegan, IL 60087 TEL: 815.229.2074 process@pipelineservices.com	
REV	BY	DATE	DESCRIPTION	DWG NO.	REFERENCE DRAWINGS	SIGN. AND SIGNATURE	DATE	SCALE	FIGURE NO.



EXISTING	LEGEND	PROPOSED
---	BOUNDARY LINE	---
---	CONTOUR MAJOR	---
---	CONTOUR MINOR	---
---	DRAINAGE	---
---	EASEMENT	---
---	ELECTRIC	---
---	FENCE CHAIN LINK	---
---	FENCE POST	---
---	FENCE STUMPAGE	---
---	EDGE OF GRAVEL	---
---	EDGE OF PAVEMENT	---
---	EDGE OF RIVER	---
---	EDGE OF WETLAND	---
---	GAS	---
---	DIAPHRAGM	---
---	OVER HEAD WIRES	---
---	OVER HEAD TELEPHONE	---
---	OVER HEAD ELECTRIC	---
---	PROPERTY LINE	---
---	RETAINING WALL	---
---	RIGHT OF WAY	---
---	SEWER	---
---	SOIL FENCE	---
---	STOBHALL	---
---	STEELHALL	---
---	TELEPHONE	---
---	WETLAND	---
---	WATER	---

GAS REGULATOR STATION AND ACCESS EASEMENTS UPON COMPLETION OF RELOCATION WORK

NOTES:
1. ACCESS EASEMENT EXTENDS TO THE SITE BOUNDARY LINE AND DOES NOT EXTEND INTO RIGHT-OF-WAY.

REV	BY	DATE	DESCRIPTION	DATE	REFERENCE DRAWINGS

PROJECT MANAGER: MARK D. WOOD PROJECT ENGINEER: MARK D. WOOD PROJECT MANAGER: WEST COMMERCIAL STREET PROJECT NUMBER: 5183 PROJECT MILESTONE: PROJECT PHASE: DESIGN DESIGNED BY: LHW 12/18/16 DRAFTED BY: EPD 12/18/16 CHECKED BY: SUR 12/18/16 APPROVED BY: LHW 12/18/16	DESIGN ENGINEER: TIM BENTON DESIGN ENGINEER: BOB SCHAMBERG ALTM 102-2039 1/16/18	CHECKED BY: APPROVED BY:
---	--	-----------------------------

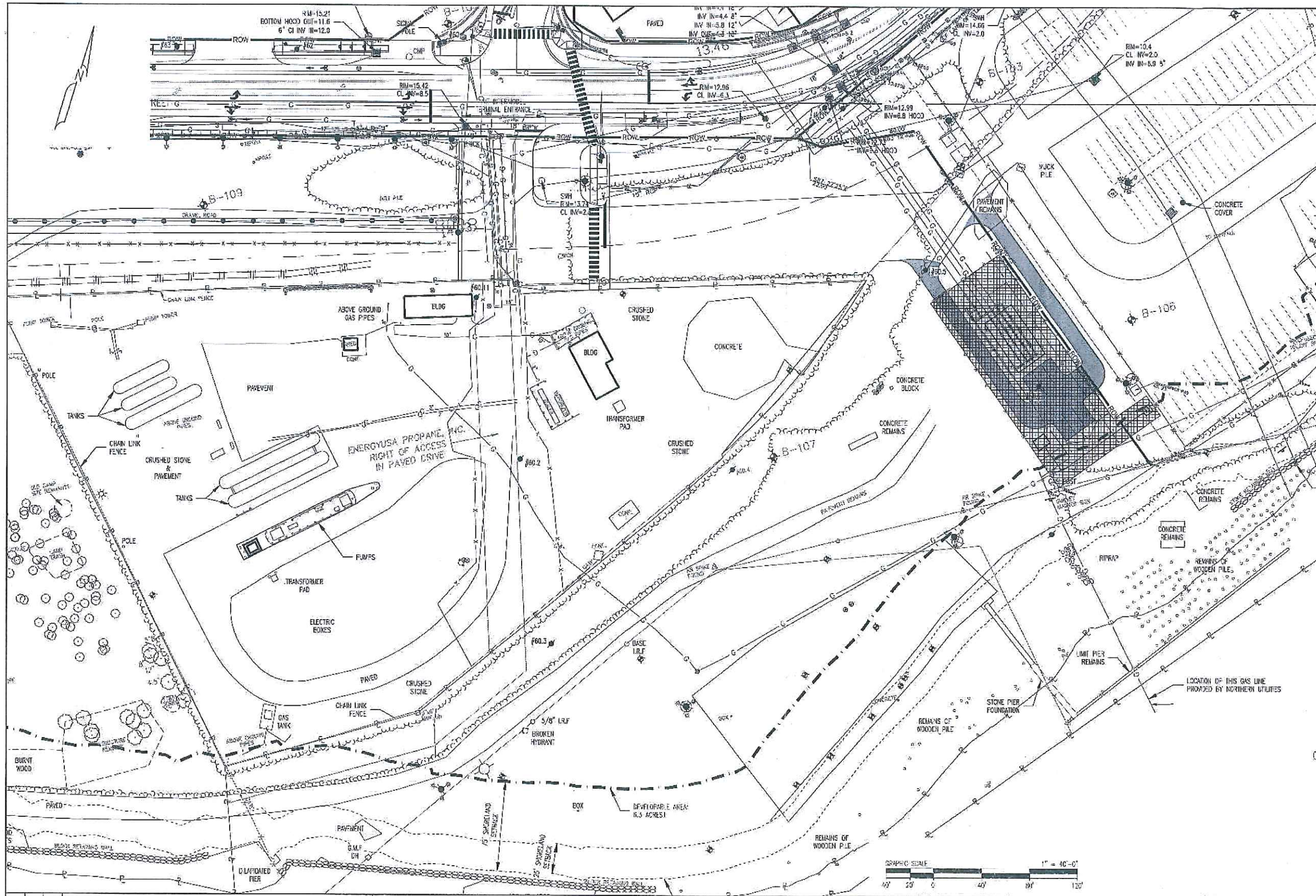


SHEET TITLE: SITE PLAN - C
 PROJECT NAME: WEST COMMERCIAL STREET REGULATOR STATION
 PROJECT LOCATION: FORTLAND, NE 04104

PROCESS PIPELINE SERVICES
 2400 Providence Highway
 Walpole, MA 02454
 781.929.0524
 process@processpipe.com

FILE NAME: 5183_C03 - FIGURE.DWG
 PLOT DATE: 05/07/2015 3:14 PM
 SCALE: 1" = 40'-0"

SHEET NO: 22X34
 SHEET OF: A01
 FIGURE: C



EXISTING	LEGEND	PROPOSED
---	BOUNDARY LINE	---
---	CONTOUR MAJOR	---
---	CONTOUR MINOR	---
---	DRAINAGE	---
---	EASEMENT	---
---	ELECTRIC	---
---	FENCE CHAIN LINK	---
---	FENCE POST	---
---	FENCE STOCKADE	---
---	EDGE OF GRVEL	---
---	EDGE OF PAVEMENT	---
---	EDGE OF RIVER	---
---	EDGE OF WETLAND	---
---	GAS	---
---	GLASSWALL	---
---	OVER HEAD WIRFS	---
---	OVER HEAD TELEPHONE	---
---	OVER HEAD ELECTRIC	---
---	PROPERTY LINE	---
---	RETAINING WALL	---
---	RIGHT OF WAY	---
---	SEWER	---
---	SILT FENCE	---
---	STONEWALL	---
---	STREAM	---
---	TELEPHONIC	---
---	TREELINE	---
---	WATER	---

Plan 5

GAS REGULATOR STATION EASEMENT AREA

NOTES:
 1. MAHFGO WILL GRANT THE NECESSARY EASEMENT TO CVP TO ALLOW SERVICE TO THE REGULATOR STATION WHEN NEEDED.
 2. IN THE EVENT UNIL GAS REGULATOR EASEMENT AREA DOES NOT PROVIDE SUFFICIENT SPACE FOR SNOW STORAGE, UNIL WILL BE PERMITTED TO PUSH SNOW TO, AND STORE SNOW ON, SUCH AREAS ON THE SITE OUTSIDE ITS EASEMENT AREA AS NOT DESIGNATED.

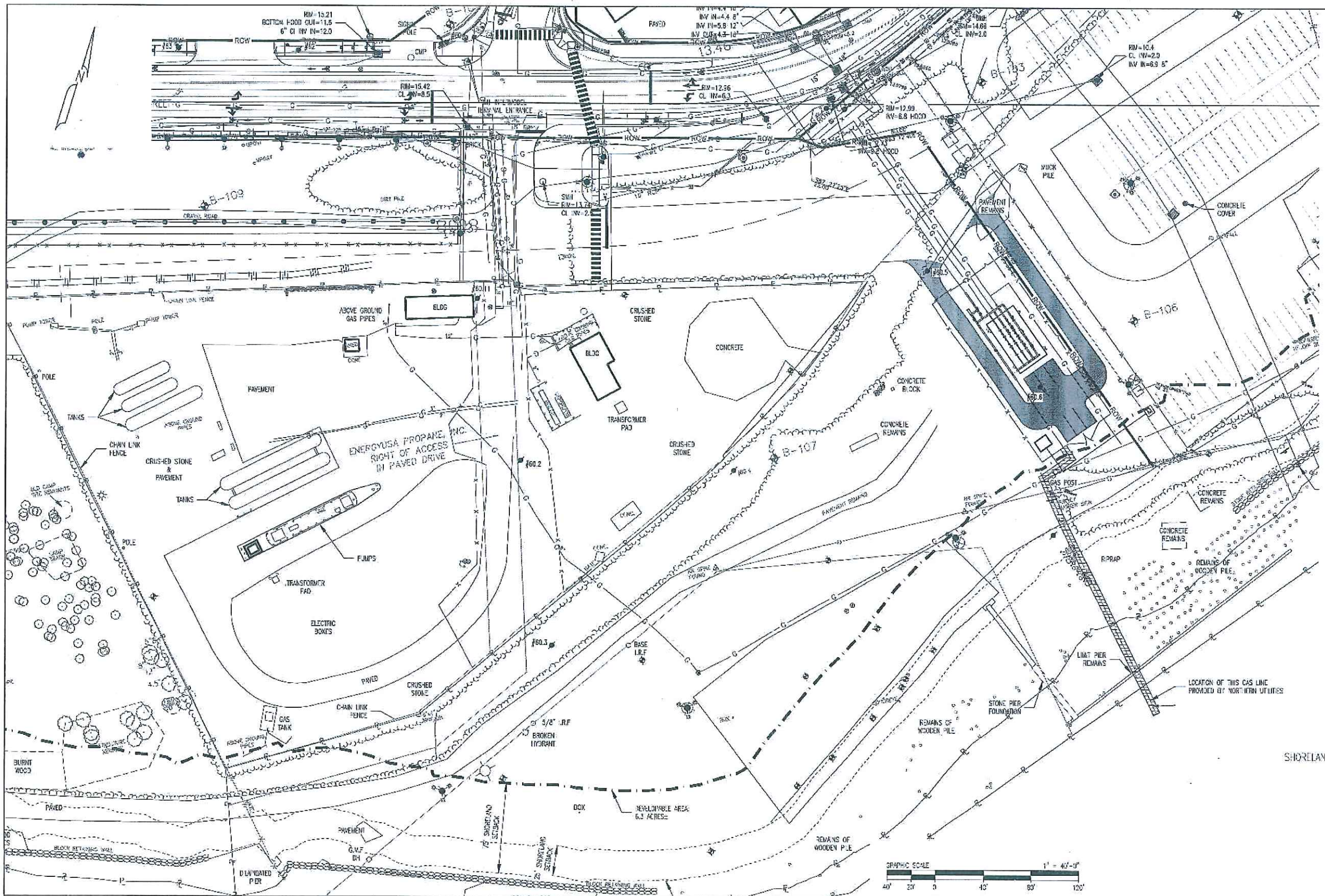


REV	BY	DATE	DESCRIPTION	DWG NO.	REFERENCE DRAWINGS	SEAL AND SIGNATURE

PRJ MANAGER: MARK D. WOOD PRJ ENGINEER: MARK D. WOOD PRJ NAME: WEST COMMERCIAL STREET PRJ NUMBER: 5183 PRJ AGENCY: MAHFGO PRJ PHASE: DESIGN DESIGNED BY: MGH 03/18/16 DRAFTED BY: RPG 03/18/16 CHECKED BY: SMR 03/18/16 APPROVED BY: MGH 03/18/16	CLIENT INFORMATION THE GAS OPERATIONS	SHEET TITLE FIGURE 4 WEST COMMERCIAL STREET REGULATOR STATION PORTLAND, ME 04101
--	--	---

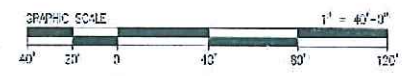
PROJECT LOCATION PORTLAND, ME 04101	FILE NAME: 5183_000 - FIGURES.DWG PLOT DATE: 04/07/2016 3:29 PM SCALE: 1" = 40'-0"	SHEET NO. 22X34 FIGURE 4
--	--	---------------------------------------

1800 Providence Highway
 Walpole, MA 02081
 781.839.0524
 processpipeline@verizon.com



EXISTING	LEGEND	PROPOSED
---	BOUNDARY LINE	---
XXX	CONTOUR MAJOR	XXX
---	CONTOUR MINOR	---
---	DRAINAGE	---
---	EASEMENT	---
---	ELECTRIC	---
X-X	FENCE CHAIN LINK	X-X
○	FENCE POST	○
---	FENCE STOCKADE	---
---	EDGE OF GRAVEL	---
---	EDGE OF PAVEMENT	---
---	EDGE OF RIVER	---
---	EDGE OF WETLAND	---
G	GAS	G
---	GUARDRAIL	---
OHW	OVER HEAD WIRES	OHW
OHT	OVER HEAD TELEPHONE	OHT
OHE	OVER HEAD ELECTRIC	OHE
P	PROPERTY LINE	P
---	RETAINING WALL	---
ROW	RIGHT OF WAY	ROW
S	SEWER	S
SF	SILT FENCE	SF
---	STONEWALL	---
---	STREAM	---
T	TELEPHONE	T
---	TREELINE	---
W	WATER	W

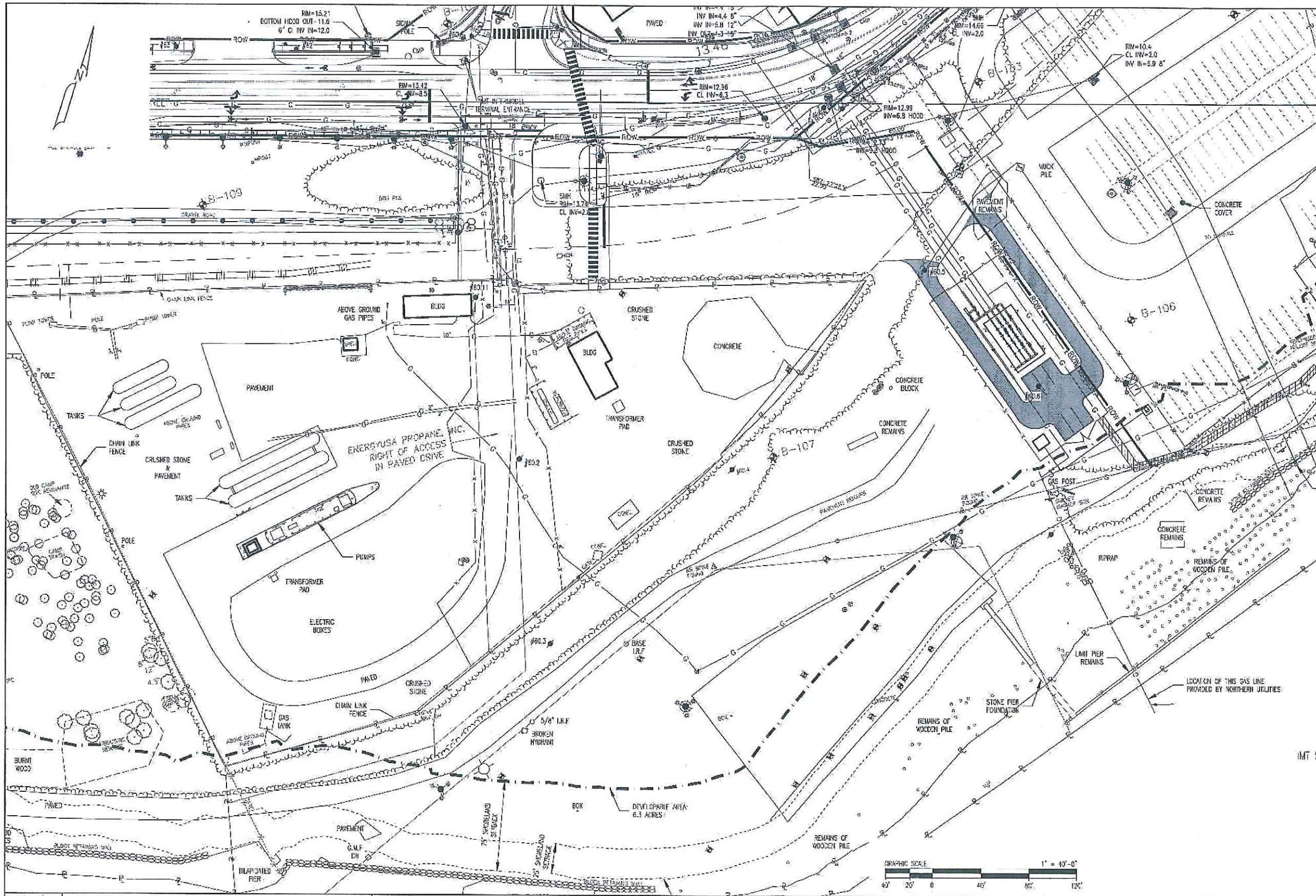
Plan 6



SHORELAND PIPELINE CORRIDOR EASEMENT AREA

NOTES:
 1. SHORELAND PIPELINE CORRIDOR EASEMENT AREA (EXTENDING FROM SHORELAND BOUNDARY OF REGULATOR STATION EASEMENT AREA AND OUT 10-F' FROM EITHER SIDE OF CENTERLINE OF RELOCATED PIPELINE AS INSTALLED AND OF EXISTING SHORELAND PIPELINE THAT IS NOT RELOCATED BUT REMAINS IN SERVICE AFTER THE RELOCATION WORK; AND EXTENDING TO MEAN LOW WATER)

REV BY DATE DESCRIPTION DWG NO. REFERENCE DRAWINGS SEAL AND SIGNATURE		PROJECT INFORMATION Unitil WE GAS OPERATIONS		SHEET TITLE FIGURE 5 WEST COMMERCIAL STREET REGULATOR STATION		PROCESS PIPELINE SERVICES 3800 Providence Highway Walpole, MA 02081 781.829.0524 process@pipeline.com	
PROJECT MANAGER: MARK D. WOOD PROJECT ENGINEER: MARK D. WOOD PROJECT NAME: WEST COMMERCIAL STREET PROJECT NUMBER: 5183 PROJECT LOCATION: PORTLAND, ME 04101		PROJECT PHASE: DESIGN DESIGNED BY: MDW 03/18/16 DRAFTED BY: RFG 03/18/16 CHECKED BY: SMR 03/18/16 APPROVED BY: MDW 03/18/16		CLIENT INFORMATION DESIGN MANAGER: TIM BUCKFORD DESIGN ENGINEER: BOB SCHUMWICK ACTUATION ORDER:		FILE NAME: 5183_C00 - FIGURE5.DWG PLOT DATE: 04/07/2016 3:30 PM SCALE: 1" = 40'-0"	
		PROJECT LOCATION: PORTLAND, ME 04101		SHEET: 22X34 REV: A01 FIGURE 5			

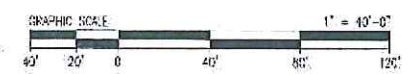


EXISTING		LEGEND		PROPOSED	
---	BOUNDARY LINE	---	BOUNDARY LINE	---	BOUNDARY LINE
---	CONTOUR MAJOR	---	CONTOUR MAJOR	---	CONTOUR MAJOR
---	CONTOUR MINOR	---	CONTOUR MINOR	---	CONTOUR MINOR
---	DRAINAGE	---	DRAINAGE	---	DRAINAGE
---	EASEMENT	---	EASEMENT	---	EASEMENT
---	ELECTRIC	---	ELECTRIC	---	ELECTRIC
---	FENCE CHAIN LINK	---	FENCE CHAIN LINK	---	FENCE CHAIN LINK
---	FENCE POST	---	FENCE POST	---	FENCE POST
---	FENCE STOCKADE	---	FENCE STOCKADE	---	FENCE STOCKADE
---	EDGE OF GRVEL	---	EDGE OF GRVEL	---	EDGE OF GRVEL
---	EDGE OF PAVEMENT	---	EDGE OF PAVEMENT	---	EDGE OF PAVEMENT
---	EDGE OF RIVER	---	EDGE OF RIVER	---	EDGE OF RIVER
---	EDGE OF WETLAND	---	EDGE OF WETLAND	---	EDGE OF WETLAND
---	GAS	---	GAS	---	GAS
---	GUARDRAIL	---	GUARDRAIL	---	GUARDRAIL
---	OVER HEAD WIRES	---	OVER HEAD WIRES	---	OVER HEAD WIRES
---	OVER HEAD TELEPHONE	---	OVER HEAD TELEPHONE	---	OVER HEAD TELEPHONE
---	OVER HEAD ELECTRIC	---	OVER HEAD ELECTRIC	---	OVER HEAD ELECTRIC
---	PROPERTY LINE	---	PROPERTY LINE	---	PROPERTY LINE
---	RETAINING WALL	---	RETAINING WALL	---	RETAINING WALL
---	RIGHT OF WAY	---	RIGHT OF WAY	---	RIGHT OF WAY
---	SEWER	---	SEWER	---	SEWER
---	SILT FENCE	---	SILT FENCE	---	SILT FENCE
---	STONEWALL	---	STONEWALL	---	STONEWALL
---	STREAM	---	STREAM	---	STREAM
---	TELEPHONE	---	TELEPHONE	---	TELEPHONE
---	TREELINE	---	TREELINE	---	TREELINE
---	WATER	---	WATER	---	WATER

Plan 7

INT SERVICE LINE CORRIDOR EASEMENT AREA

NOTES:
 1. INT SERVICE LINE CORRIDOR EASEMENT AREA (EXTENDING OUT 10FT FROM EITHER SIDE OF SERVICE LINE AS INDICATED)

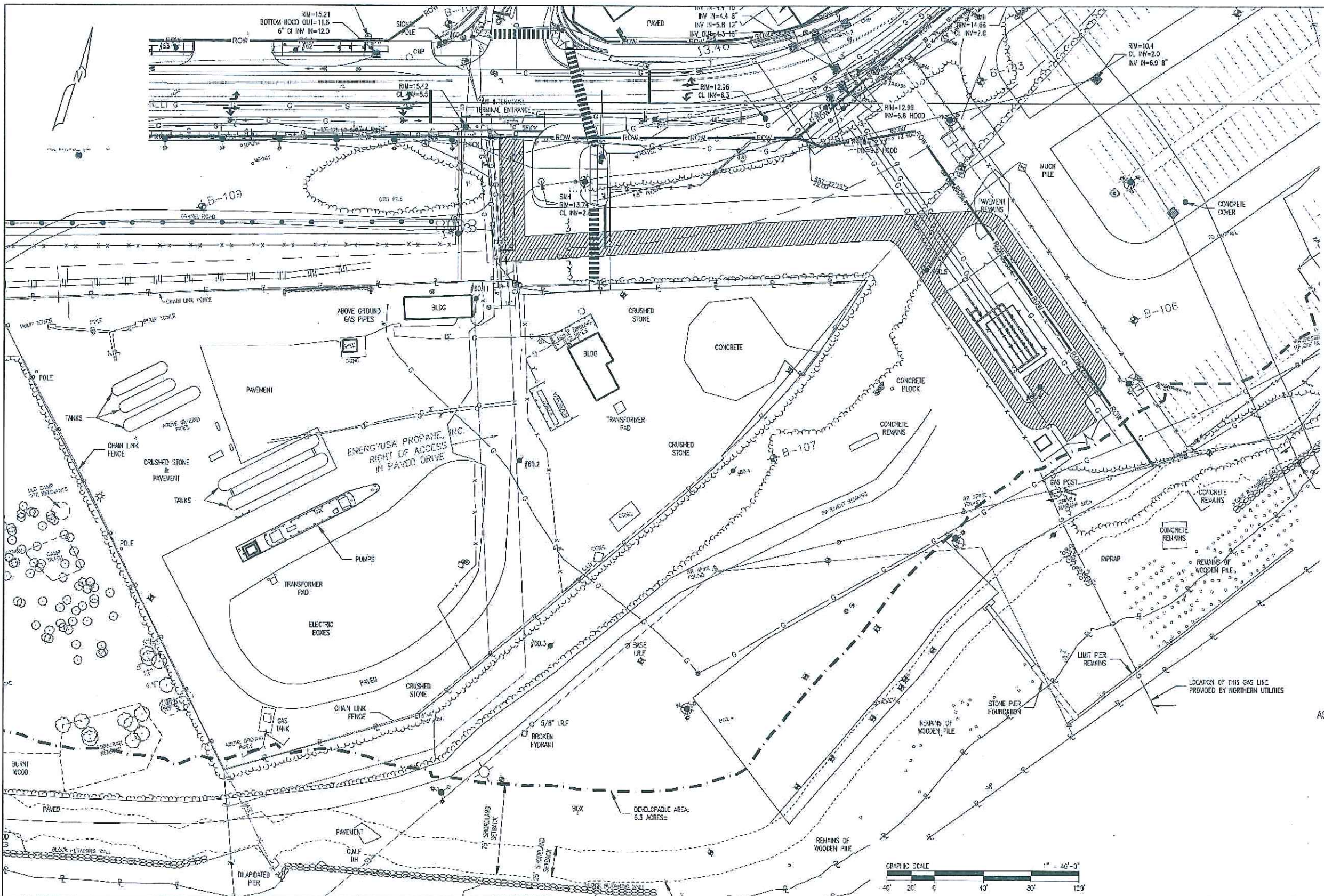


REV	BY	DATE	DESCRIPTION	DWG. NO.	REFERENCE DRAWINGS	SCALE AND SIGNATURE

PRJ MANAGER: MARK D. WOOD
 PRJ ENGINEER: MARK D. WOOD
 PRJ NAME: WEST COMMERCIAL STREET
 PRJ NUMBER: 5183
 PRJ V US ONE
 PRJ PHASE: DESIGN
 DESIGNED BY: MDW 03/18/16
 DRAFTED BY: SP3 03/18/16
 CHECKED BY: SMR 03/18/16
 APPROVED BY: MDW 03/18/16
 CLIENT INFORMATION
 Unitil
 WE GAS OPERATIONS
 DESIGN MANAGER: TY BICKFORD
 DESIGN ENGINEER: BOB SCHUMWICK
 AC WATION ORDER
 REVIEWED BY:
 CHECKED BY:
 APPROVED BY:

SHEET TITLE	
FIGURE 6	WEST COMMERCIAL STREET REGULATORY STATION
PROJECT NAME	WEST COMMERCIAL STREET REGULATORY STATION
PROJECT LOCATION	PORTLAND, ME 04101

1600 Providence Highway
 Walpole, MA 02081
 781.829.0524
 process@pipelineservices.com
 FILE NAME: 5183_C00 - FIGURES.DWG
 PLOT DATE: 04/07/2016 5:30 PM
 SCALE: 1" = 40'-0"
 SHEET: 22X34
 REV: A01
 FIGURE: 6



EXISTING		LEGEND		PROPOSED	
— B —	BOUNDARY LINE	— B —	BOUNDARY LINE	— B —	BOUNDARY LINE
--- XXX ---	CONTOUR MAJOR	--- XXX ---	CONTOUR MAJOR	--- XXX ---	CONTOUR MAJOR
--- ---	CONTOUR MINOR	--- ---	CONTOUR MINOR	--- ---	CONTOUR MINOR
— D —	DRAINAGE	— D —	DRAINAGE	— D —	DRAINAGE
— E —	EASEMENT	— E —	EASEMENT	— E —	EASEMENT
— X — X —	FENCE CHAIN LINK	— X — X —	FENCE CHAIN LINK	— X — X —	FENCE CHAIN LINK
— O — O —	FENCE POST	— O — O —	FENCE POST	— O — O —	FENCE POST
— □ — □ —	FENCE STOCKADE	— □ — □ —	FENCE STOCKADE	— □ — □ —	FENCE STOCKADE
— — —	EDGE OF GRAVEL	— — —	EDGE OF GRAVEL	— — —	EDGE OF GRAVEL
— — —	EDGE OF PAVEMENT	— — —	EDGE OF PAVEMENT	— — —	EDGE OF PAVEMENT
— — —	EDGE OF RIVER	— — —	EDGE OF RIVER	— — —	EDGE OF RIVER
— — —	EDGE OF WETLAND	— — —	EDGE OF WETLAND	— — —	EDGE OF WETLAND
— G —	GAS	— G —	GAS	— G —	GAS
— □ — □ —	GUARDRAIL	— □ — □ —	GUARDRAIL	— □ — □ —	GUARDRAIL
— OHW —	OVER HEAD WIRES	— OHW —	OVER HEAD WIRES	— OHW —	OVER HEAD WIRES
— OHT —	OVER HEAD TELEPHONE	— OHT —	OVER HEAD TELEPHONE	— OHT —	OVER HEAD TELEPHONE
— OHE —	OVER HEAD ELECTRIC	— OHE —	OVER HEAD ELECTRIC	— OHE —	OVER HEAD ELECTRIC
— P —	PROPERTY LINE	— P —	PROPERTY LINE	— P —	PROPERTY LINE
— R —	RETAINING WALL	— R —	RETAINING WALL	— R —	RETAINING WALL
— ROW —	RIGHT OF WAY	— ROW —	RIGHT OF WAY	— ROW —	RIGHT OF WAY
— S —	SEWER	— S —	SEWER	— S —	SEWER
— SF —	SILT FENCE	— SF —	SILT FENCE	— SF —	SILT FENCE
— — —	STONEWALL	— — —	STONEWALL	— — —	STONEWALL
— — —	STREAM	— — —	STREAM	— — —	STREAM
— T —	TELEPHONE	— T —	TELEPHONE	— T —	TELEPHONE
— — —	TREELINE	— — —	TREELINE	— — —	TREELINE
— W —	WATER	— W —	WATER	— W —	WATER

Plan 8

ACCESS EASEMENT AREA

- NOTES:
- ACCESS EASEMENT AREA (AS SHOWN WITHIN THE GAS REGULATOR EASEMENT AREA, AND EXTENDING IN A 20' WIDE CORRIDOR FROM THE GAS REGULATOR EASEMENT AREA TO THE PUBLIC RIGHT-OF-WAY (WEST COMMERCIAL STREET) WHERE DESIGNATED OR AS OTHERWISE LOCATED BY MDT).
 - IN THE EVENT UNIL'S EXISTING EASEMENT AREA DOES NOT PROVIDE SUFFICIENT SPACE FOR SNOW STORAGE, UNIL WILL BE PERMITTED TO PUSH SNOW 10' AND STORE SNOW ON SUCH AREAS ON THE SITE OUTSIDE ITS EASEMENT AREA AS MDT DESIGNATES.
 - EASEMENT EXTENDS TO THE SITE BOUNDARY LINE AND DOES NOT EXTEND INTO RIGHT-OF-WAY.

REV	BY	DATE	DESCRIPTION	SHEET NO.	REFERENCE DRAWINGS	SCALE AND SIGNATURE

PRJ MANAGER: MARK D. WOOD
 PRJ ENGINEER: MARK D. WOOD
 PRJ NAME: WEST COMMERCIAL STREET
 PRJ NUMBER: 6163
 PRJ W/LESTONE:
 PRJ PHASE: DESIGN
 DESIGNED BY: MDW 03/15/16
 DRAWN BY: RJC 03/18/16
 CHECKED BY: SMR 03/19/16
 APPROVED BY: MDW 03/18/16

DESIGN MANAGER: TIM BECKER
 DESIGN ENGINEER: BOB SCHUMMACK
 ACTIVATION ORDER:

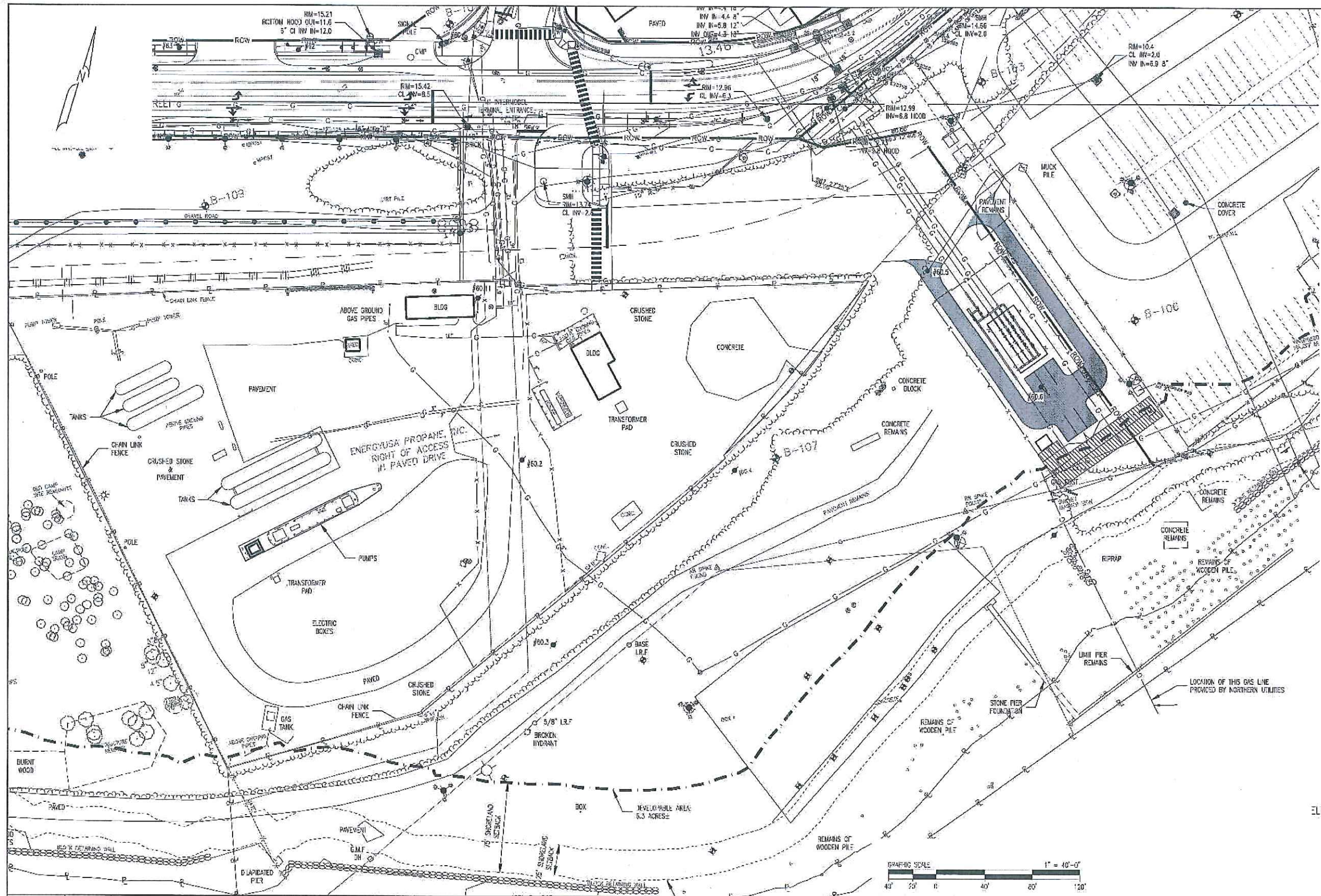
REVIEWED BY:
 CHECKED BY:
 APPROVED BY:



SHEET TITLE: **FIGURE 7**
 PROJECT NAME: **WEST COMMERCIAL STREET REGULATOR STATION**
 PROJECT LOCATION: **PORTLAND, ME 04101**

PROCESS PIPELINE SERVICES
 1800 Providence Highway
 Westbrook, ME 04091
 761.829.0524
 process@pipelineservices.com

FILE NAME: 5183_CDD - FIGURE 7.DWG
 PLOT DATE: 04/01/2016 3:30 PM
 SHEET: 22X34
 OF: A01
 FIGURE 7



EXISTING		LEGEND		PROPOSED	
B	BOUNDARY LINE	B		B	
XXX	CONTOUR MAJOR	XXX		XXX	
D	CONTOUR MAJOR	D		D	
E	DRAINAGE	E		E	
E	EASEMENT	E		E	
E	ELECTRIC	E		E	
X-X-X	FENCE CHAIN LINK	X-X-X		X-X-X	
O-O-O	FENCE POST	O-O-O		O-O-O	
□-□-□	FENCE SICKSIDE	□-□-□		□-□-□	
---	EDGE OF GRAVEL	---		---	
---	EDGE OF PAVEMENT	---		---	
---	EDGE OF RIVER	---		---	
---	EDGE OF WETLAND	---		---	
G	GAS	G		G	
G	GLYPHOMAL	G		G	
O-H-W	OVER HEAD WIRES	O-H-W		O-H-W	
O-H-T	OVER HEAD TELEPHONE	O-H-T		O-H-T	
O-H-E	OVER HEAD ELECTRIC	O-H-E		O-H-E	
P	PROPERTY LINE	P		P	
R	RETAINING WALL	R		R	
ROW	RIGHT OF WAY	ROW		ROW	
S	SEWER	S		S	
SF	SILI FENCE	SF		SF	
---	STONEWALL	---		---	
---	STREAM	---		---	
T	TELEPHONE	T		T	
---	TREELINE	---		---	
W	WATER	W		W	

Plan 9

ELECTRIC EASEMENT AREA

REV	BY	DATE	DESCRIPTION	DWG NO.	REFERENCE DRAWINGS	SEAL AND SIGNATURE

PRJ MANAGER: MARK D. WOOD
 PRJ ENGINEER: MARK D. WOOD
 PRJ NAME: WEST COMMERCIAL STREET
 PRJ NUMBER: 5183
 PRJ MILESTONE:
 PRJ PHASE: DESIGN
 DESIGNED BY: MOW 03/18/16
 DRAFTED BY: HPG 03/18/16
 CHECKED BY: SMR 03/18/16
 APPROVED BY: MOW 03/18/16

DESIGN MANAGER: TIM BICKFORD
 DESIGN ENGINEER: BOB SCHUMWICK
 ACTIVATION ORDER:

REVISED BY:
 CHECKED BY:
 APPROVED BY:

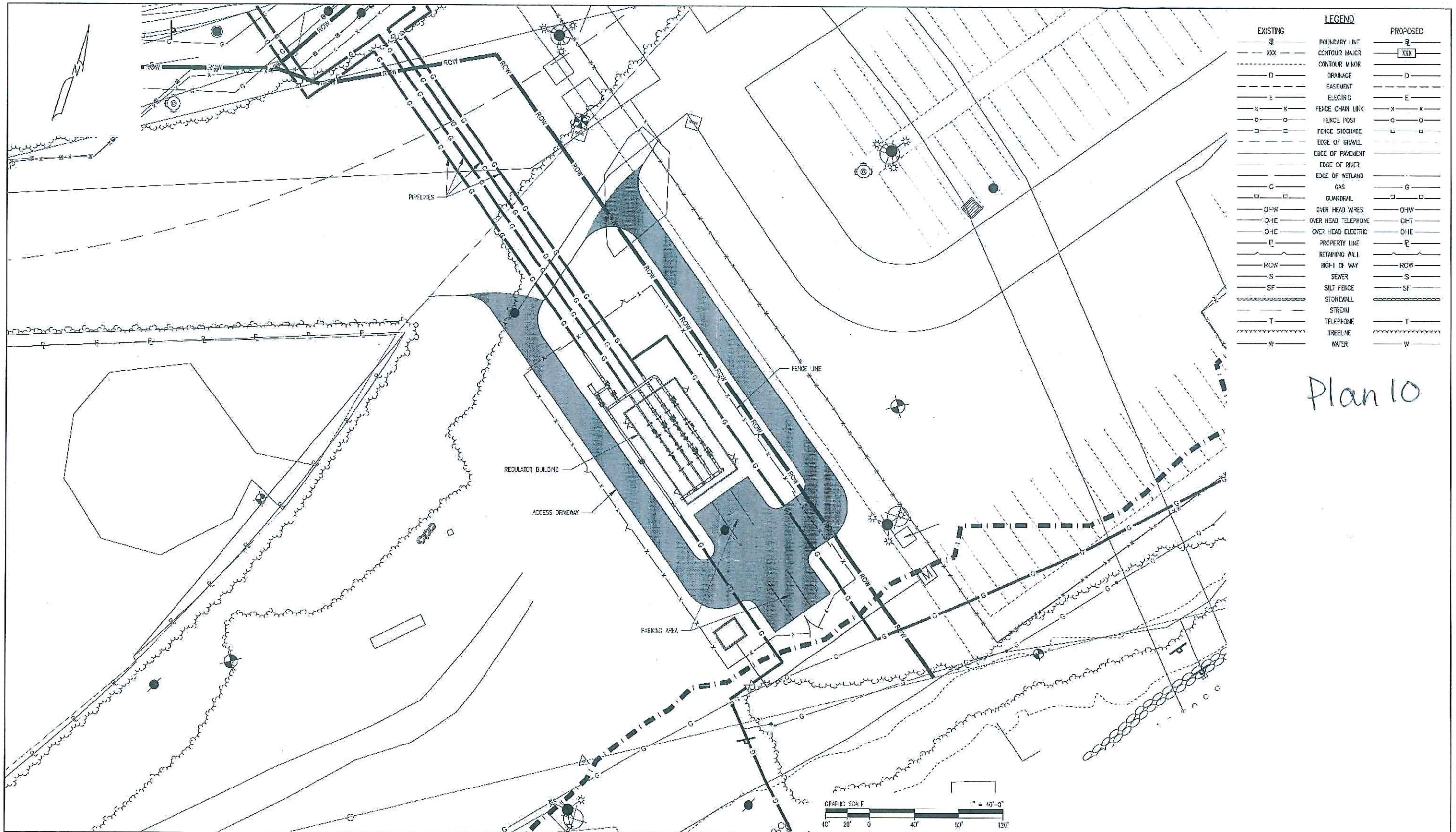
ME GAS OPERATIONS

SHEET TITLE: **FIGURE 8**
 PROJECT NAME: **WEST COMMERCIAL STREET REGULATORY STATION**
 PROJECT LOCATION: **PORTLAND, ME 04101**

1800 Providence Highway
 Walpole, MA 02081
 781.829.0524
 process@pipelineservices.com

FILE NAME: 5183_C00 - FIGURE.DWG
 PLOT DATE: 04/01/2016 3:50 PM
 SCALE: 1" = 40'-0"

SHEET NO: 22X34
 SHEET OF: 1A01
 FIGURE 8



EXISTING	LEGEND	PROPOSED
---	BOUNDARY LINE	---
XXX	CONTOUR MAJOR	XXX
---	CONTOUR MINOR	---
D	DRAINAGE	D
E	EASEMENT	E
E	ELECTRIC	E
X-X	FENCE CHAIN LINK	X-X
O-O	FENCE POST	O-O
□-□	FENCE STOCKADE	□-□
---	EDGE OF GRAVEL	---
---	EDGE OF PAVEMENT	---
---	EDGE OF RIVER	---
---	EDGE OF WETLAND	---
G	GAS	G
□-□	GUARDRAIL	□-□
OHW	OVER HEAD WIRES	OHW
OHE	OVER HEAD TELEPHONE	OHT
OHE	OVER HEAD ELECTRIC	OHE
E	PROPERTY LINE	E
---	RETAINING WALL	---
ROW	RIGHT OF WAY	ROW
S	SEWER	S
SF	SILT FENCE	SF
---	STONEWALL	---
---	STREAM	---
T	TELEPHONE	T
---	TREELINE	---
W	WATER	W

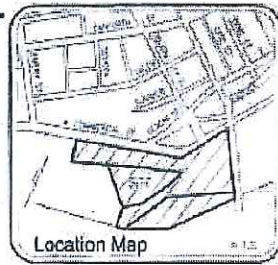
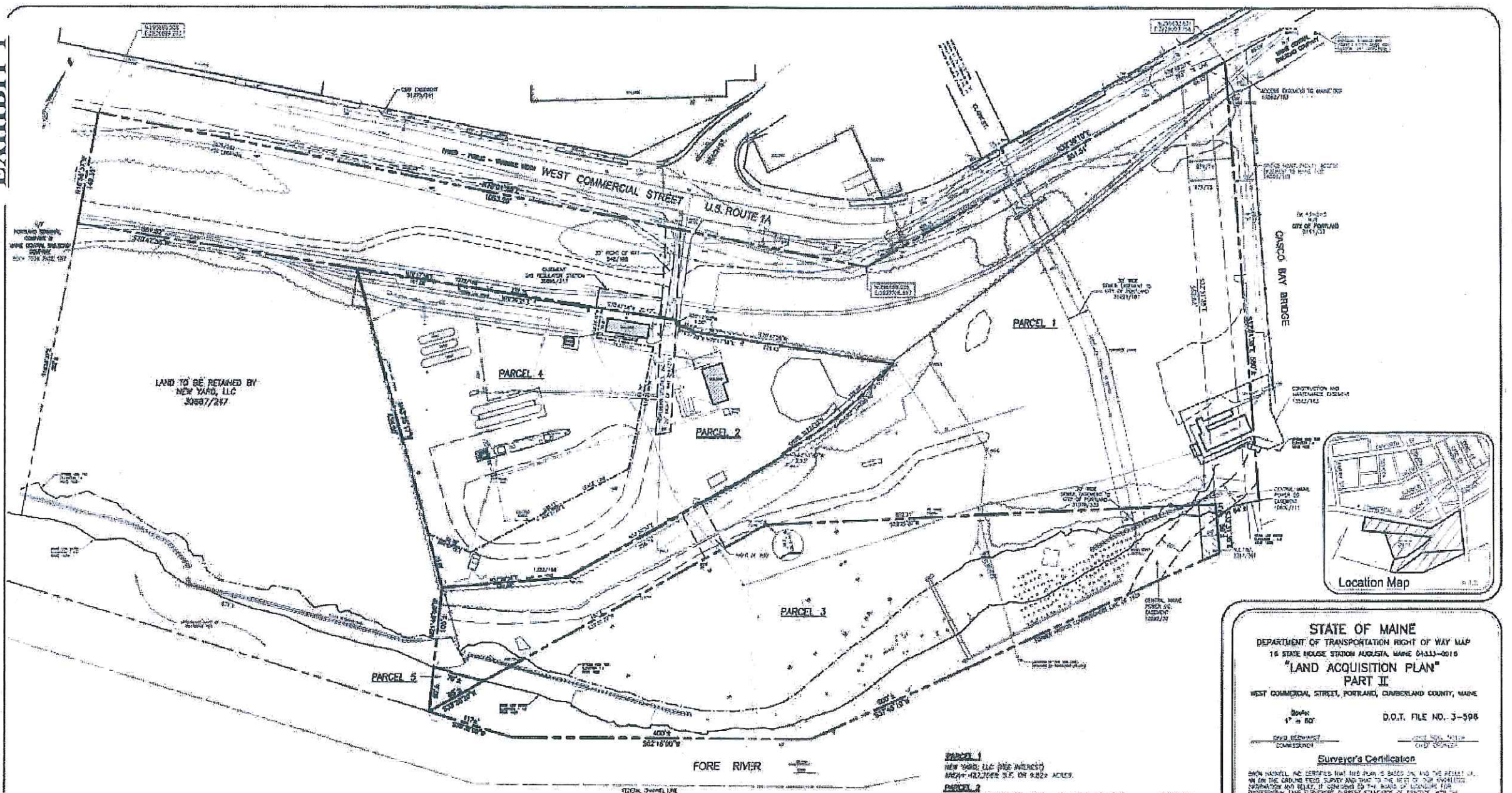
Plan 10



PRJ MANAGER: MARK D. WOOD PRJ ENGINEER: MARK D. WOOD PRJ NAME: WEST COMMERCIAL STREET PRJ NUMBER: 5183 PRJ MILESTONE: PRJ PHASE: DESIGN DESIGNED BY: MW 03/18/16 DRAWN BY: BFG 03/18/16 CHECKED BY: SNR 03/18/16 APPROVED BY: MW 03/18/16		CLIENT INFORMATION: WE GAS OPERATIONS DESIGN MANAGER: IIM BOYFORD DESIGN ENGINEER: BOB SCHUMBERG ACTION OFFICE: REVIEWED BY: CHECKED BY: APPROVED BY:		SHEET TITLE: Figure 9 ALL RELOCATED FACILITIES PROJECT NAME: WEST COMMERCIAL STREET REGULATOR STATION PROJECT LOCATION: PORTLAND, ME 04101		 2500 Providence Highway Walpole, MA 02081 781.829.0524 processpipeline@aol.com				
REV	BY	DATE	DESCRIPTION	DWG. NO.	REFERENCE DRAWINGS	SCALE: 1" = 40' 0"	FILE NAME: 5183_000 - FIGURE9.DWG	SIZE: 22X34	SHEET: A01	REV:
							PLOT DATE: 04/01/2016 3:30 PM FIGURE 9			

Plan 11

EXHIBIT 1



Legend:

IRON PIPE 60-100' DIA	PIPE
CONCRETE FOUND.	COLE
WOOD PILE	OVERHEAD WIRE
WATER LINE	UNDERGROUND ELECTRIC
SEWER	TELEPHONE
STEEL PIPE	WATER LINE
WATER MAIN	SEWER
WATER MAIN	SEWER
WATER MAIN	SEWER
WATER MAIN	SEWER
WATER MAIN	SEWER
WATER MAIN	SEWER

Notes:

1. THE FEDERAL CHANNEL LINE TAKEN FROM PLAN REFERENCE NO. 7 USING COORDINATES IN THE PLAN FORMED OF 1945-1946.
2. VERTICAL CURVES ARE SHOWN BASED UPON MAINE DEPARTMENT OF TRANSPORTATION DATA.
3. A POINT NEAR 1000' FROM THE END OF CONCRETE BRIDGE ADJUTANT THAT SUPPORTS THE BRIDGE STREET ON RAMP HIGHWAY 1 CONNECTS TO THE DASHED LINE BRIDGE.
4. BOUNDARIES ARE SHOWN BASED UPON WEST COAST COASTING AND AS SHOWN WEST. ALL DISTANCES SHOWN AREON THE SHOWN DISTANCES. THE CORRECTED SCALE FACTOR IS 0.9999999999999999.
5. FIELD WORK WAS COMPLETED FROM SEASONS 2012 THROUGH 2014.
6. THE SUBJECT PARCELS ARE IN THE DIVISION 18.3 WATERPROOF PORT DEVELOPMENT ZONE A ZONING OR REGULATORY 14-44 SHORELANDS SEPARATION ZONE FOR THE CITY OF PORTLAND CODE OF ORDINANCES LAND USE CHAPTER 14.
7. THE SUBJECT PARCELS ARE IN ZONE C IN DISTRICT 10 AS SHOWN ON THE 1:0000 ZONING MAP FOR PORTLAND DATED WITH AN EFFECTIVE DATE OF JULY 17, 1998.
8. NO ENCUMBRANCES HAS SET BY WATER CORP. AND NO SURVEY REPORT WAS FURNISHED BY THE CITY OF PORTLAND.

Plan Reference:

THE PARCEL BOUNDARY INFORMATION ON THIS PLAN WAS OBTAINED FROM A PLAN ENTITLED "SUBDIVISION AND TRAIL SURVEY, WEST COMMERCIAL STREET, PORTLAND, CAMBERLAND COUNTY, MAINE MADE FOR NEW YARD, LLC, 50 FINE STREET, PORTLAND, MAINE" BY OWEN HASKELL, INC. ADDITIONAL PLANS WERE USED AND REFERRED TO IN THIS PLAN TO COMPLETE THIS PLAN AND WILL NOT BE SPECIFICALLY REFERENCED HEREIN.

Utility Note:

THE ENCUMBRANCES SHOWN WERE OBTAINED FROM FIELD SURVEY RESEARCH AND LOCAL OWNERS. THE SURVEYOR MAKES NO GUARANTEE THAT THE ENCUMBRANCES SHOWN CORRECTLY ALL SUCH RESULTS IN THE AREA COVERED BY SURFACE OR ADJACENT. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE ENCUMBRANCES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH HE BELIEVES THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM THE INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE ENCUMBRANCES SHOWN. OWNERS SHOULD AT LEAST THREE BUSINESS DAYS BEFORE PERFORMING ANY CONSTRUCTION.

PARCEL 1
NEW YARD, LLC (SEE INTEREST)
AREA= 442,762 S.F. OR 10.122 ACRES

PARCEL 2
NORTHERN UTILITIES, INC. D/B/A UNILCO (SEE INTEREST)
AREA= 172,648 S.F. OR 3.954 ACRES (EXCEPTER ADVANCE ENCUMBRANCES BY PARCEL 1)

PARCEL 3
NEW YARD, LLC (LEASEHOLD INTEREST)
AREA= 872,648 S.F. OR 19.922 ACRES

PARCEL 4
NORTHERN UTILITIES, INC. D/B/A UNILCO AND CAGCO ENERGY AND SERVICE COMPANY (SEE INTEREST)
AREA= 781,832 S.F. OR 17.922 ACRES

PARCEL 5
NEW YARD, LLC (LEASEHOLD INTEREST)
AREA= 193,854 S.F. OR 4.472 ACRES

PARCEL 6
OSTERMAN PROGRAM, INC. D/B/A NOL-NE, LLC (LEASEHOLD INTEREST WITHIN PORTION OF PARCEL 2)
AREA= 75,112 S.F. OR 1.722 ACRES

PARCEL 7
OWNER UNKNOWN (SEE INTEREST)
AREA= 1,028 S.F. OR 0.023 ACRES

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION RIGHT OF WAY MAP
18 STATE HOUSE STATION AUGUSTA, MAINE 04333-0018
"LAND ACQUISITION PLAN"
PART II
WEST COMMERCIAL STREET, PORTLAND, CAMBERLAND COUNTY, MAINE

Scale: 1" = 80'
D.O.T. FILE NO. J-596

Surveyor's Certification

OWEN HASKELL, INC. CERTIFIES THAT THIS PLAN IS BASED ON AND THE RESULT OF A FIELD SURVEY AND THAT TO THE BEST OF OUR KNOWLEDGE, INFORMATION AND BELIEF, IT CONFORMS TO THE STANDARDS OF PRACTICE WITH THE USUAL AND NECESSARY ACCURACY FOR THE PURPOSES OF THIS PLAN.

Paul R. Lutz
PAUL R. LUTZ
PROFESSIONAL LAND SURVEYOR NO. 2407
STATE OF MAINE

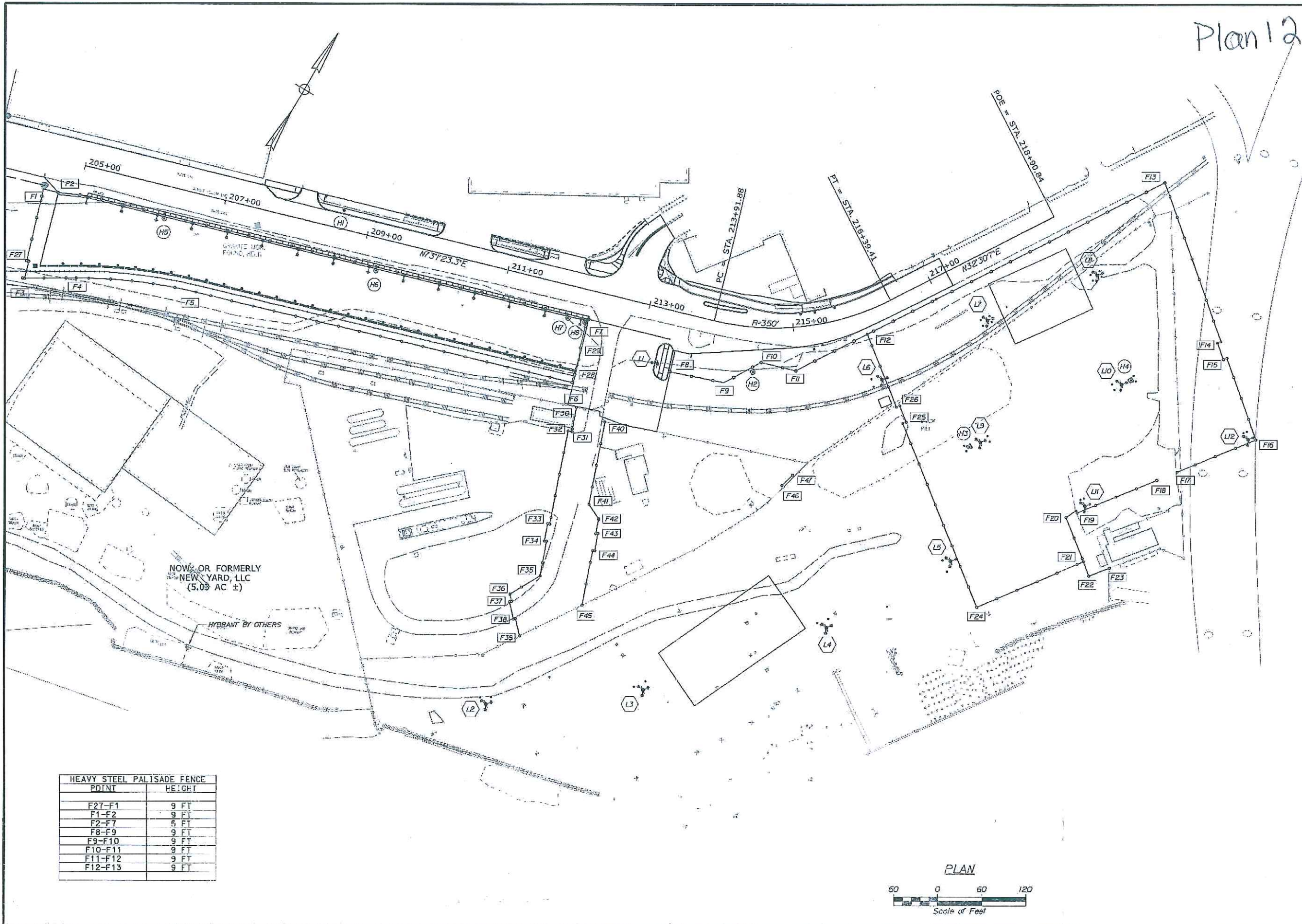
Eric Bolger
ERIC BOLGER
PROFESSIONAL LAND SURVEYOR NO. 1241
STATE OF MAINE

DATE OF SURVEY: APRIL 20, 2014
REVISION DATE: JUNE 10, 2014

OWEN HASKELL, INC.
PROFESSIONAL LAND SURVEYORS
300 U.S. Route One, Unit #10
Falmouth, Maine 04103
Tel. (207)774-6424 Fax (207)774-0511
www.owenhaskell.com

Plan 12

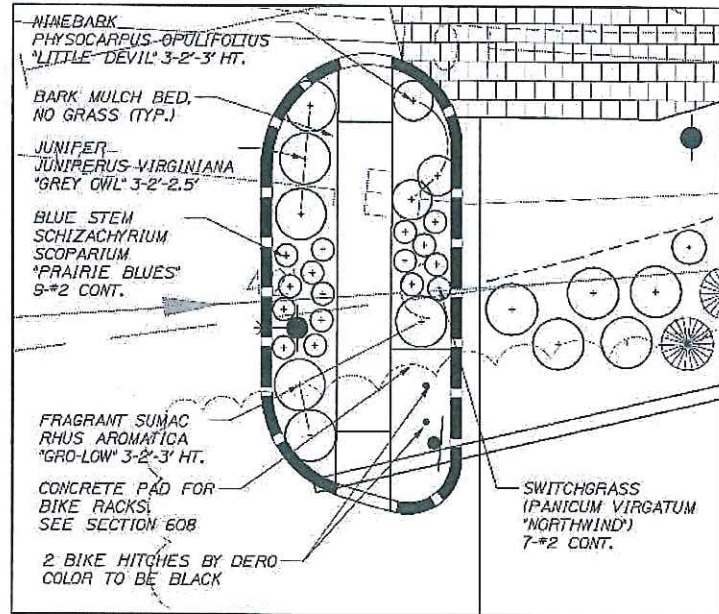
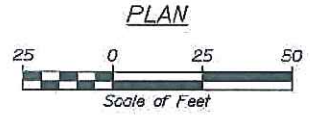
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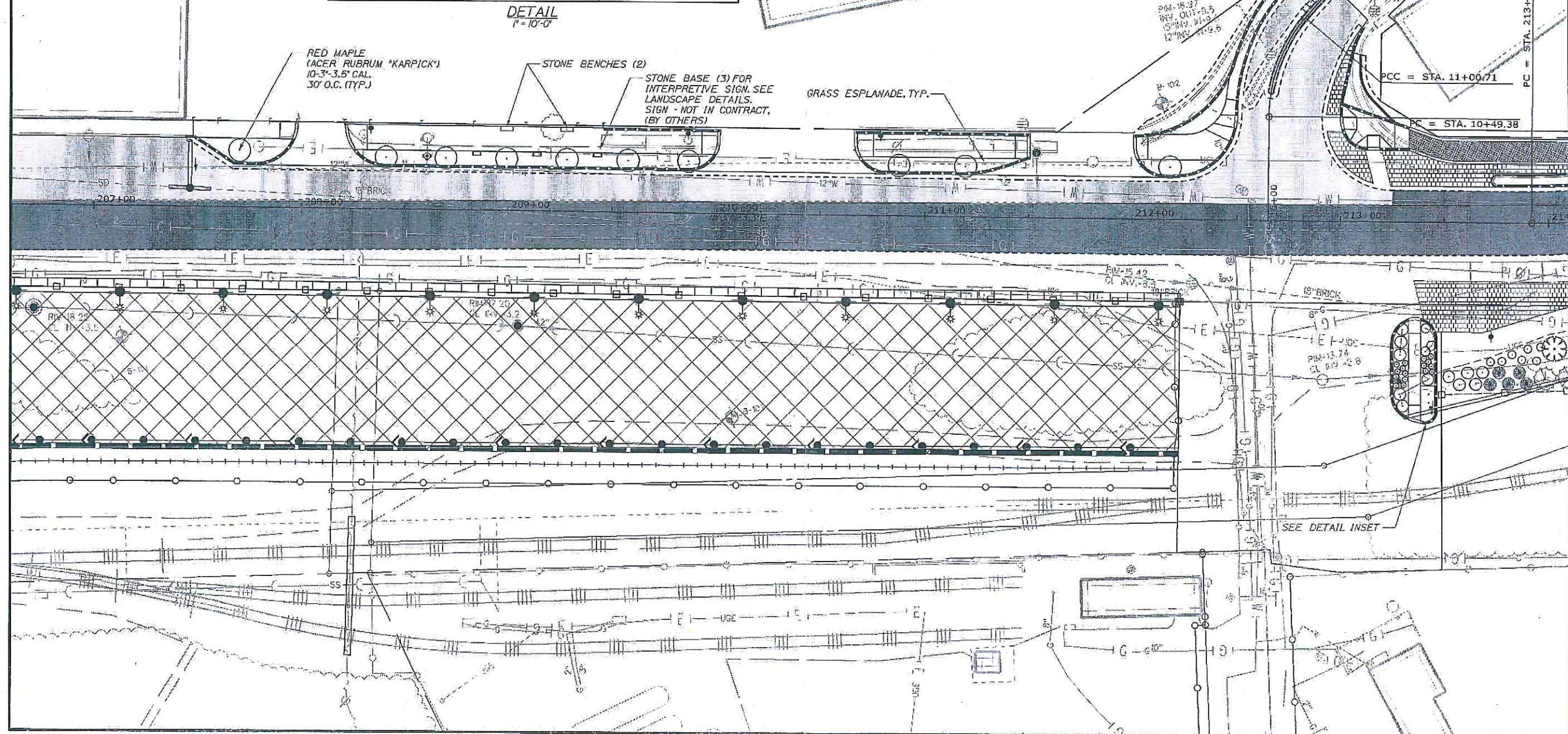
HEAVY STEEL PALISADE FENCE	
POINT	HEIGHT
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F1-F2	9 FT
F2-F7	5 FT
F8-F9	9 FT
F9-F10	9 FT
F10-F11	9 FT
F11-F12	9 FT
F12-F13	9 FT



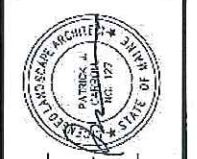
STATE OF MAINE DEPARTMENT OF TRANSPORTATION		PROJECT NUMBER 022809.20	
PORTLAND INTERNATIONAL MARINE TERMINAL EXISTING LAYDOWN AND CONNECTING CORRIDOR CONNECTION PORTLAND CUMBERLAND COUNTY		FENCING, HYDRANT, LIGHT POLE AND BOLLARD GEOMETRICS	
SHEET NUMBER		WIN 022809.20	
C18		DATE	
21 OF 116		P.E. NUMBER	
PROJ. NUMBER		SIGNATURE	
DESIGN CHECKED		DATE	
DESIGNER		DATE	
REVISIONS 1		DATE	
REVISIONS 2		DATE	
REVISIONS 3		DATE	
REVISIONS 4		DATE	
FIELD CHANGES		DATE	



Plan 13



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
PROJECT NUMBER 022809.20



SIGNATURE: _____
P.E. NUMBER: _____
DATE: _____

DATE	BY	DESCRIPTION
06/11	CEW	DESIGN
06/11	CEW	REVISION 1
		REVISION 2
		REVISION 3
		REVISION 4
		FIELD CHANGES

PORTLAND INTERNATIONAL MARINE TERMINAL
EXISTING LAYDOWN AND CONNECTING CORRIDOR CONNECTION
PORTLAND
CUMBERLAND COUNTY

SHEET NUMBER
C21
24 OF 116

Date: 6/26/2014

Username:

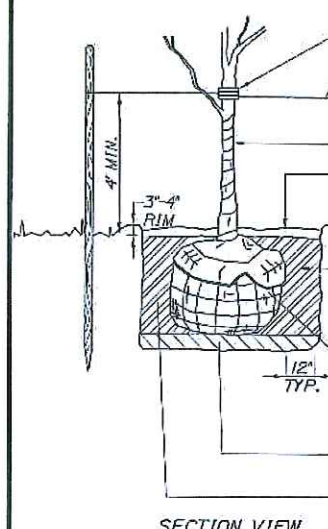
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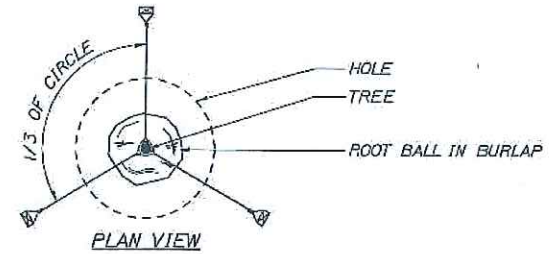
LANDSCAPING PLAN

Plan 14

NOTES: REMOVE ALL LABELS, TAGS AND OTHER FOREIGN MATERIAL FROM LIMBS.
 TREES UNDER 8' DO NOT REQUIRE STAKING.
 PLANT SO THAT TRUNK FLARE IS VISIBLE AND ABOVE FINISHED GRADE.
 RUBBER HOSE PROTECTIVE GUARD PER WIRE
 NO. 10 WIRE
 NOTCH IN STAKE FOR WIRE
 2" x 2" STAKE
 REMOVE CREPE PAPER WRAP IF PRESENT
 3"-4" BARK MULCH RING - 6" DIA. MIN. OR AS SHOWN ON PLAN
 FINISHED GRADE
 PREPARED SOIL MIX - BACKFILL WITH 3 PARTS CLEAN LOAM TO ONE PART PEAT. MUST BE FREE OF UNDESIRABLE MATERIALS. WATER TO REMOVE AIR POCKETS.
 BURLAP, TYING MATERIAL, & WIRE BASKET SHALL BE CAREFULLY REMOVED OR CUT BACK TO THE BOTTOM OF THE PLANTING HOLE.
 UNDISTURBED EXISTING SOIL NO SCARIFICATION BELOW ROOTBALL
 SLOW RELEASE FERTILIZER PACKET 6"-8" DEPTH, 3 PACKETS REQUIRED

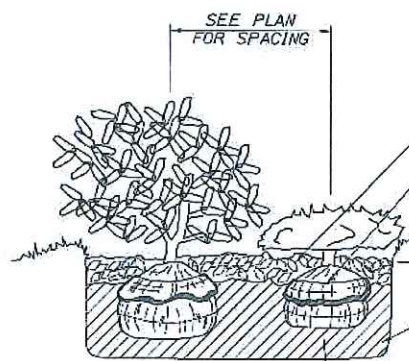


SECTION VIEW

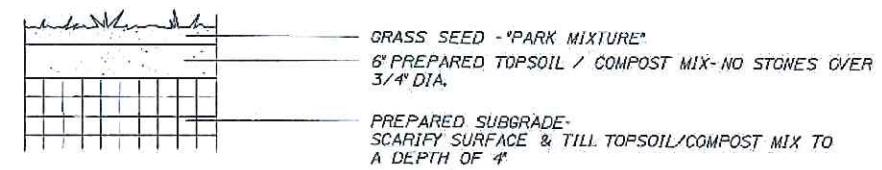


TREE PLANTING DETAIL NOT TO SCALE

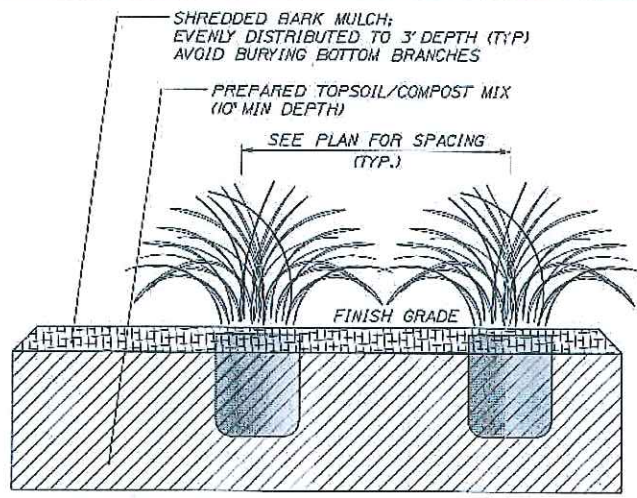
NOTES: SCARIFY ROOTBALL USING A SHARP BLADE EVERY SIX INCHES AROUND THE CIRCUMFERENCE AND TO A DEPTH OF TWO INCHES.
 REMOVE ALL LABELS, TAGS AND OTHER FOREIGN MATERIAL FROM LIMBS.
 3"-4" BARK MULCH
 REMOVE TOP 2/3 OF BURLAP FROM ROOT BALL (TYP.)
 3"-4" RIM
 FINISHED GRADE
 PREPARED SOIL MIX - BACKFILL WITH 3 PARTS CLEAN LOAM TO ONE PART PEAT. MUST BE FREE OF UNDESIRABLE MATERIALS. WATER TO REMOVE AIR POCKETS.
 SLOW RELEASE FERTILIZER PACKET 6"-8" DEPTH, 1 PACKETS REQUIRED



SHRUB PLANTING DETAIL NOT TO SCALE

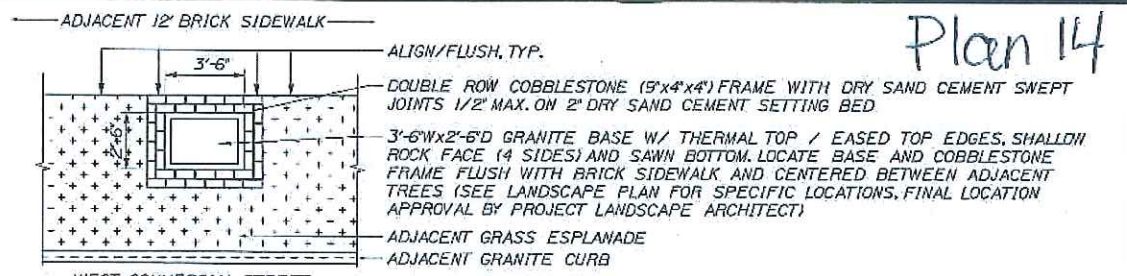


LAWN PLANTING DETAIL NOT TO SCALE

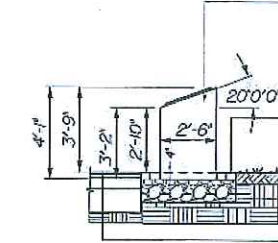


PLANTING PROCEDURE: EXCAVATE PLANT HOLE TO WIDTH TWICE THE SIZE OF POT (TYP.) CENTER PLANT SQUARELY IN HOLE, PERPENDICULAR TO GRADE BACKFILL BOTTOM 2/3 OF PLANT W/ COMBINATION OF EXCAVATED SOIL AND SOIL/FERTILIZER AMMENDMENT; (CONSULT SPECIFICATIONS FOR SOIL ADMIXTURE CONTENT) COMPACT BACKFILL AROUND PLANT TO PREVENT SHIFTING/SETTLING; WATER PLANT THOROUGHLY; CONTINUE BACKFILLING PLANT TO FINISH GRADE.

PERENNIAL PLANTING DETAIL NOT TO SCALE

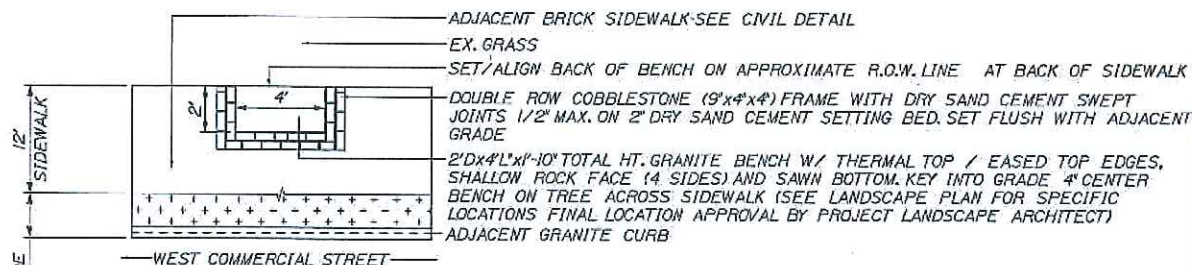


PLAN VIEW

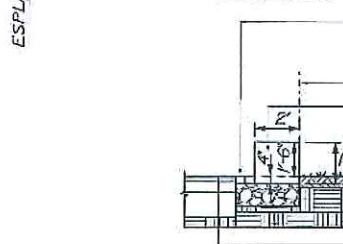


SECTION VIEW

GRANITE BASE FOR SIGN DETAIL NOT TO SCALE



PLAN VIEW



SECTION VIEW

GRANITE BENCH DETAIL NOT TO SCALE

PLANTING NOTES

1. CONTRACTOR SHALL BEGIN MAINTENANCE IMMEDIATELY AFTER PLANTING AND SHALL CONTINUE UNTIL FINAL ACCEPTANCE. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MEANS AND METHODS OF WATERING AND MAINTENANCE.
2. CONTRACTOR SHALL SUPPLY PLANTS IN QUANTITIES SUFFICIENT TO COMPLETE WORK SHOWN ON THE PLAN. ANY DISCREPANCY BETWEEN THE QUANTITIES SHOWN IN THE PLANT SCHEDULE AND THOSE REQUIRED ON THE PLAN SHALL NOT ENTITLE THE CONTRACTOR TO ADDITIONAL REMUNERATION. ANY DISCREPANCIES SHALL BE CLARIFIED WITH THE LANDSCAPE ARCHITECT PRIOR TO ORDERING PLANT MATERIAL.
3. ALL MATERIALS SHALL CONFORM TO SPECIFICATIONS OF THE AMERICAN STANDARDS FOR NURSERY STOCK (LATEST EDITION) AS SET FORTH BY THE AMERICAN ASSOCIATION OF NURSERYMEN.
4. ALL PLANTS SHALL BEAR THE SAME RELATIONSHIP TO FINISH GRADE AS THE ORIGINAL GRADES BEFORE DIGGING.
5. THE LANDSCAPE CONTRACTOR SHALL GUARANTEE ALL PLANT MATERIALS FOR ONE (1) FULL YEAR FROM DATE OF SUBSTANTIAL COMPLETION.
6. ALL PLANT MATERIALS ARE SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT AT THE NURSERY AND AT THE SITE.
7. ALL PLANT BEDS SHALL MEET MINIMUM TOPSOIL REQUIREMENTS (SEE SPECIFICATIONS).
8. NO PLANT MATERIAL SHALL BE INSTALLED UNTIL GRUBBING, BED PREPARATION, AND FINISH GRADING HAS BEEN COMPLETED IN THE IMMEDIATE AREA.
9. ALL PLANTS BEDS AND TREE WELLS SHALL HAVE A MINIMUM OF 3" OF UNIFORMLY DISTRIBUTED, DARK, SHREDDED BARK MULCH.
10. CONTRACTOR SHALL SUBMIT SOIL SAMPLE AND TEST OF TOPSOIL TO LANDSCAPE ARCHITECT PRIOR TO INSTALLATION. SOIL ADMIXTURE SHALL BE ADDED TO EXISTING SOIL (BY CONTRACTOR) IF DEEMED NECESSARY BY SOIL TEST RESULTS.
11. ROUGH GRADING AND BED PREPARATION SHALL BE APPROVED BY LANDSCAPE ARCHITECT PRIOR TO PLANT INSTALLATION. CONTRACTOR SHALL NOTIFY LANDSCAPE ARCHITECT 48 HOURS PRIOR TO REQUIRED SITE VISIT.
12. ALL PLANTS SHALL BE BALLED AND WRAPPED OR CONTAINER GROWN AS SPECIFIED. ALL ROOT WRAPPING AND CONTAINER MATERIAL MADE OF SYNTHETICS OR PLASTICS SHALL BE REMOVED AT THE TIME OF PLANTING.
13. ALL BROAD LEAF EVERGREEN PLANTS SHALL BE SPRAYED WITH AN ANTI-DESSICANT AT THE BEGINNING OF THEIR FIRST WINTER.
14. ALL PLANTS SHALL BE INSTALLED AS PER DETAILS AND THE CONTRACT SPECIFICATIONS. THE LANDSCAPE CONTRACTOR SHALL REFER TO THE CONTRACT SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
15. CONTRACTOR SHALL STAKE TREES IF DEEMED NECESSARY BY LANDSCAPE ARCHITECT.
16. THE LANDSCAPE CONTRACTOR SHALL PROVIDE LOAM FILL AS PER THE CONTRACT SPECIFICATIONS.
17. ALL PLANTS SHALL THEN BE WATERED BY THE CONTRACTOR, AS NECESSARY TO INSURE HEALTH UNTIL FINAL ACCEPTANCE.
18. THE LANDSCAPE CONTRACTOR SHALL REFER TO THE PLANT LIST AND PLANTING SPECIFICATIONS FOR SEASONAL REQUIREMENTS AND OTHER RESTRICTIONS RELATED TO THE TIME AND SEASON OF PLANTING.

STATE OF MAINE
 DEPARTMENT OF TRANSPORTATION
 PROJECT NUMBER 022809.20
 WIN 022809.20

LANDSCAPE ARCHITECT
 PATRICK J. NOBLE
 100 STATE ST.
 PORTLAND, ME 04101

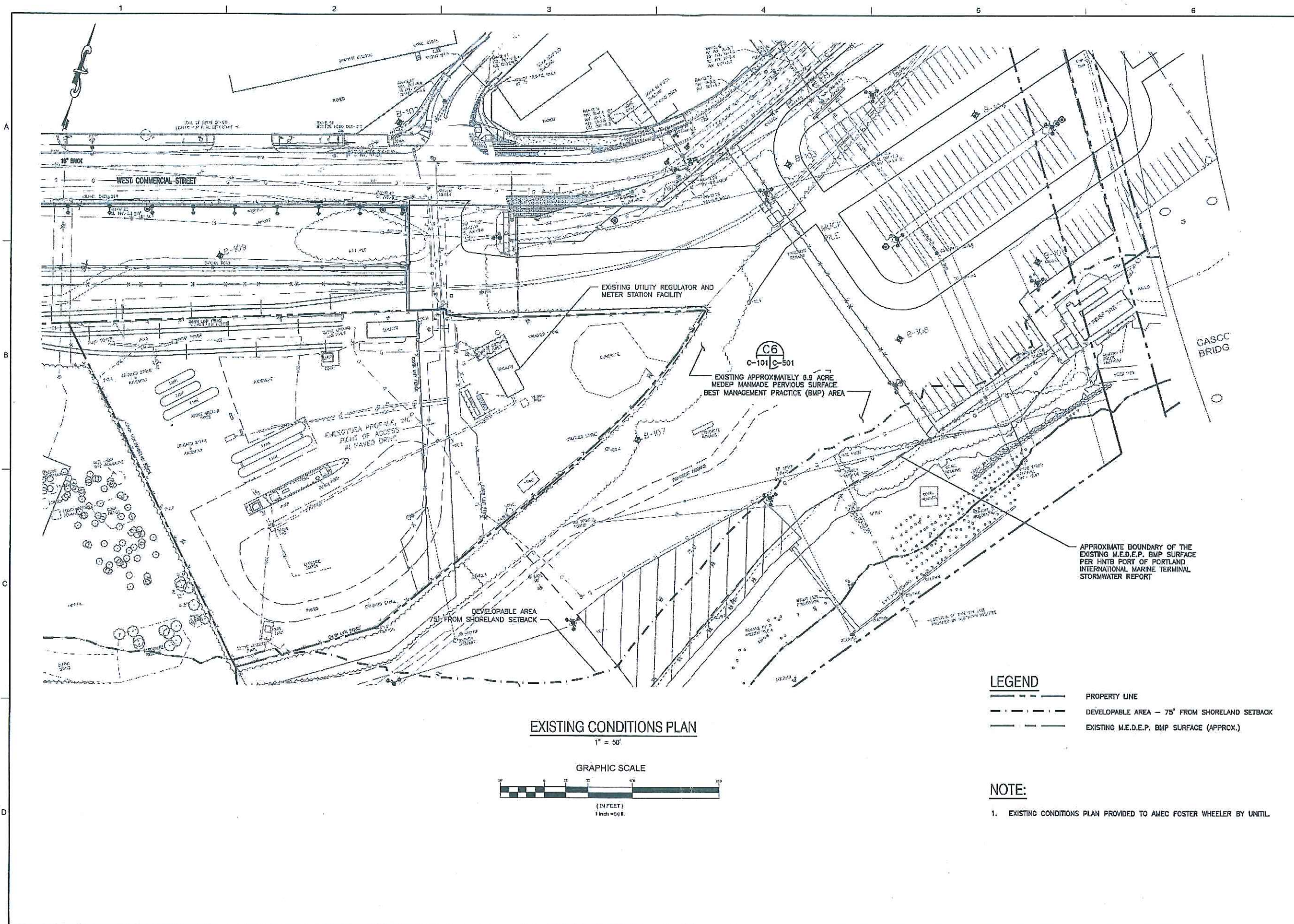
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	02/16/24	JPN	5	

PORTLAND INTERNATIONAL MARINE TERMINAL
 EXISTING LAYDOWN AND CONNECTING CORRIDOR CONNECTION
 PORTLAND CUMBERLAND COUNTY

LANDSCAPING DETAILS AND NOTES

SHEET NUMBER
C23
 26 OF 116

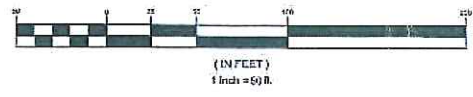
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EXISTING CONDITIONS PLAN

1" = 50'

GRAPHIC SCALE



LEGEND

- PROPERTY LINE
- - - DEVELOPABLE AREA - 75' FROM SHORELAND SETBACK
- - - EXISTING M.E.D.E.P. BMP SURFACE (APPROX.)

NOTE:

1. EXISTING CONDITIONS PLAN PROVIDED TO AMEC FOSTER WHEELER BY UNITL.



NO.	DATE	DR	TM	CHK	APVD	MAP
A	4-08-18					
TO CITY OF PORTLAND						MAP
REVISION						BY
						APVD
						MAP

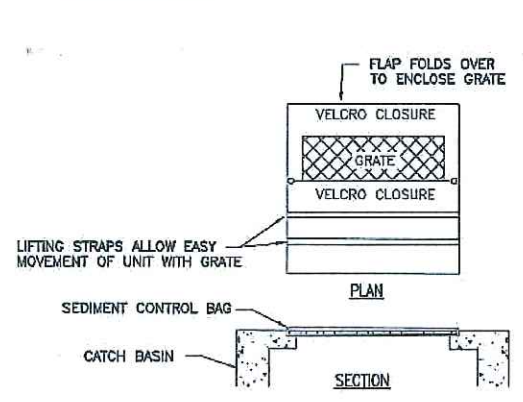
UNITL REGULATOR & METER STATION RELOCATION PROJECT
40 WEST COMMERCIAL STREET
PORTLAND, ME

EXISTING CONDITIONS PLAN

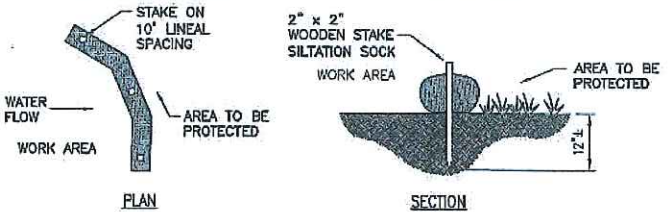


VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1'

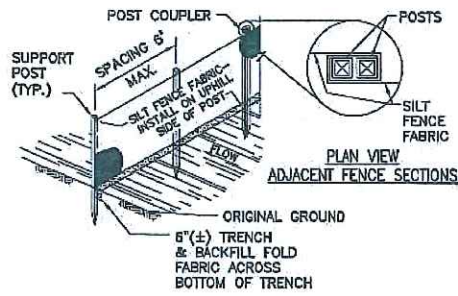
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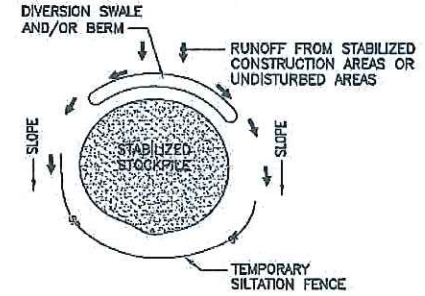
A1 SEDIMENT CONTROL BAG
SCALE: NTS



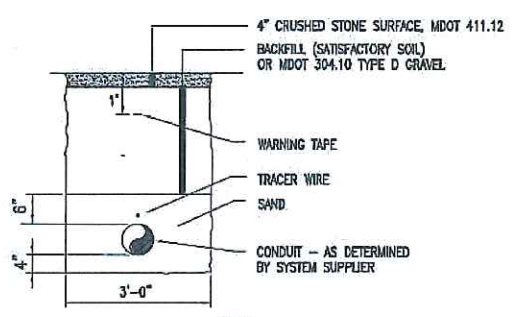
A2 SILTATION LOG
SCALE: NTS



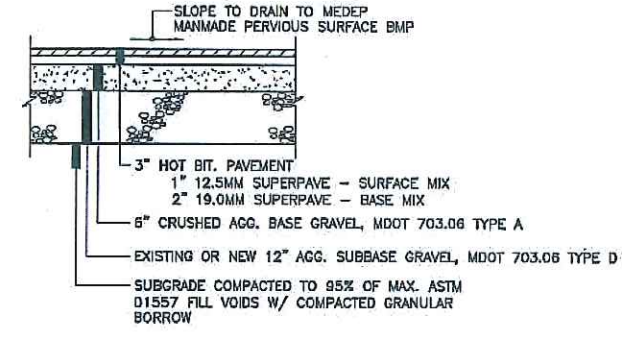
A4 SILT FENCE
SCALE: NTS



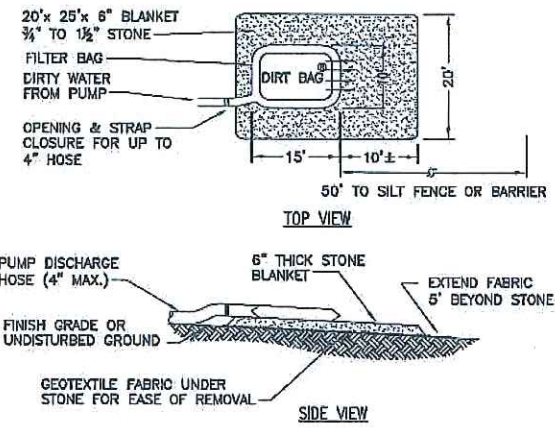
A5 STOCKPILE
SCALE: NTS



C1 CONDUIT SERVICE TRENCH
SCALE: NTS

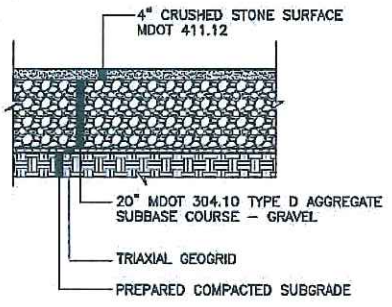


C2 STANDARD DUTY FLEXIBLE PAVEMENT
SCALE: NTS

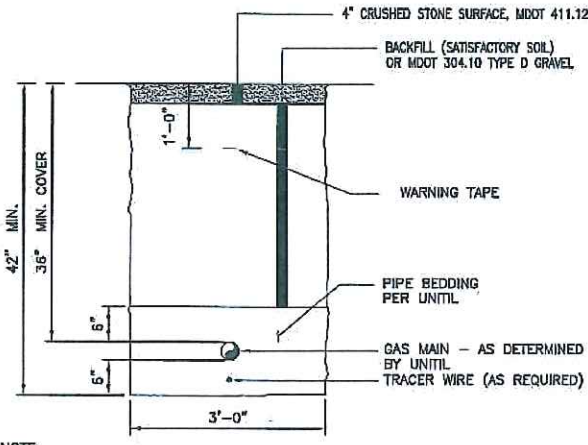


C3 PUMPED DISCHARGE SEDIMENT CONTROL DEVICE (IF NECESSARY)
SCALE: NTS

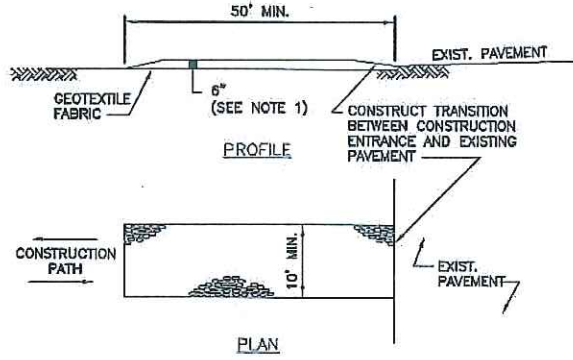
- NOTES:
- DIRT BAG MATERIAL BASED ON PARTICLE SIZE IN DIRTY WATER, I.E., FOR COARSE PARTICLES, A WOVEN MATERIAL; FOR SILTS/CLAYS, A NON-WOVEN MATERIAL.
 - DO NOT OVER PRESSURIZE DIRT BAG OR USE BEYOND CAPACITY.
 - LOCATE DISCHARGE SITE ON FLAT UPLAND AREAS AS FAR AWAY AS POSSIBLE FROM STREAMS, WETLANDS, OTHER RESOURCES AND POINTS OF CONCENTRATED FLOW.
 - DOWNGRADIENT RECEIVING AREA MUST BE WELL VEGETATED OR OTHERWISE STABLE FROM EROSION, E.G., FOREST FLOOR OR COARSE GRAVEL/STONE.
 - DISCHARGE NOT PERMITTED WITHIN 25' OF A STREAM OR WETLAND. CONSULT DEP IF STRUCTURE MUST BE WITHIN 75' OF STREAM OR WETLAND BODY. SECONDARY CONTAINMENT MAY BE REQUIRED.



C6 EXISTING MEDEP MANMADE PERVIOUS SURFACE BMP
SCALE: NTS

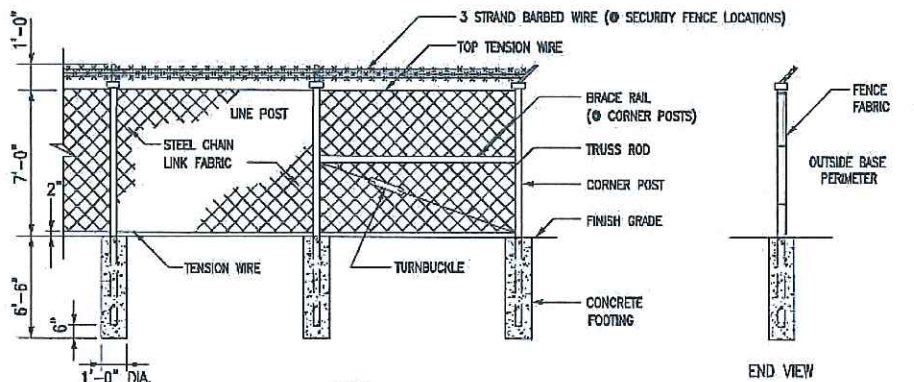


D1 NATURAL GAS TRENCH
SCALE: NTS



- NOTES:
- STONE SIZE: USE 2 INCH STONE, OR RECLAIMED OR RECYCLED PAVEMENT
 - LENGTH: MIN. 50'
 - THICKNESS: NOT LESS THAN 6"
 - WIDTH: NOT LESS THAN FULL WIDTH OF ALL POINTS OF INGRESS OR EGRESS
 - MAINTENANCE: THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHT-OF-WAY MUST BE REMOVED IMMEDIATELY. ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING STORM DRAINS, DITCHES OR WATERWAYS.

D2 STABILIZED CONSTRUCTION ENTRANCE
SCALE: NTS



D3 SECURITY FENCE
SCALE: NTS



NO.	DATE	DR	TM	CHK	APVD	MAP
A	4-08-16					
TO CITY OF PORTLAND						
REVISION						

UNITIL REGULATOR & METER STATION RELOCATION PROJECT
40 WEST COMMERCIAL STREET
PORTLAND, ME

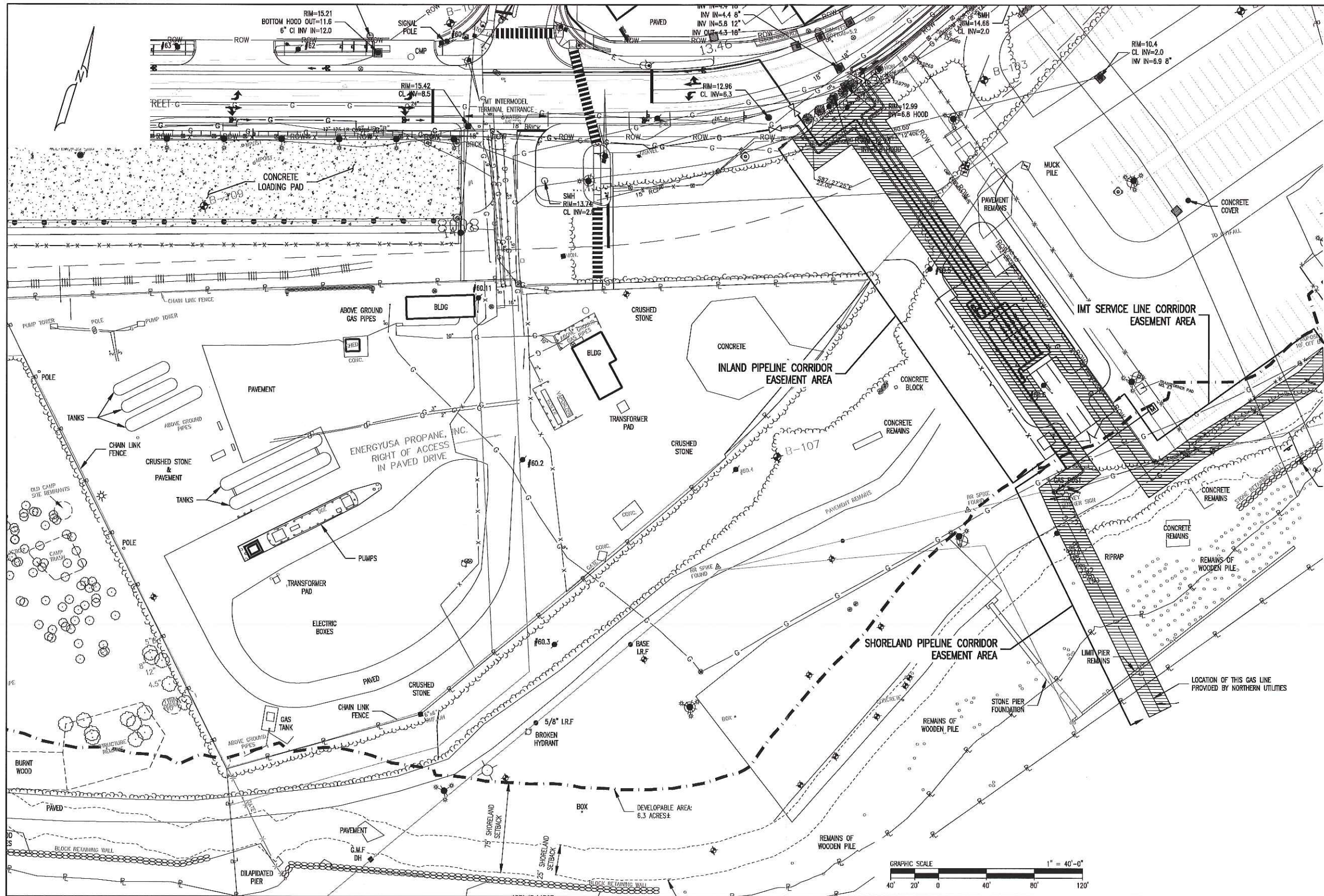
SITE AND EROSION & SEDIMENTATION CONTROL DETAILS



VERIFY SCALE

BAR IS ONE INCH ON ORIGINAL DRAWING.

DATE	04/04/16
PROJ	3612-15-2308
DWG	C-501
SHEET	4 OF 5



EXISTING	LEGEND	PROPOSED
⊕	BOUNDARY LINE	⊕
XXX	CONTOUR MAJOR	XXX
D	CONTOUR MINOR	D
E	DRAINAGE	E
X-X	EASEMENT	X-X
⊗	ELECTRIC	⊗
⊗	FENCE CHAIN LINK	⊗
⊗	FENCE POST	⊗
⊗	FENCE STOCKADE	⊗
---	EDGE OF GRAVEL	---
---	EDGE OF PAVEMENT	---
---	EDGE OF RIVER	---
---	EDGE OF WETLAND	---
G	GAS	G
□	GUARDRAIL	□
OHW	OVER HEAD WIRES	OHW
OHT	OVER HEAD TELEPHONE	OHT
OHE	OVER HEAD ELECTRIC	OHE
⊕	PROPERTY LINE	⊕
---	RETAINING WALL	---
ROW	RIGHT OF WAY	ROW
S	SEWER	S
SF	SILT FENCE	SF
---	STONEWALL	---
T	STREAM	T
---	TELEPHONE	---
---	TREELINE	---
W	WATER	W

PIPELINE EASEMENTS UPON COMPLETION OF RELOCATION WORK

- NOTES:
1. PIPELINE EASEMENT AREAS EXTEND OUT 10FT OF EITHER SIDE OF INSTALLED PIPELINE.
 2. EASEMENT EXTENDS TO THE SITE BOUNDARY LINE AND DOES NOT EXTEND INTO RIGHT-OF-WAY.



REV	BY	DATE	DESCRIPTION	DWG NO.	REFERENCE DRAWINGS	SEAL AND SIGNATURE

PRJ MANAGER: MARK D. WOOD
 PRJ ENGINEER: MARK D. WOOD
 PRJ NAME: WEST COMMERCIAL STREET
 PRJ NUMBER: 5183
 PRJ MILESTONE:
 PRJ PHASE: DESIGN

DESIGNED BY:	MDW	03/18/16
DRAFTED BY:	RPG	03/18/16
CHECKED BY:	SMR	03/18/16
APPROVED BY:	MDW	03/18/16

DESIGN MANAGER: TIM BICKFORD
 DESIGN ENGINEER: BOB SCHUMMICK
 AUTH NO: 6039 167616

CLIENT INFORMATION

ME GAS OPERATIONS

SHEET TITLE: SITE PLAN - B

PROJECT NAME: WEST COMMERCIAL STREET REGULATOR STATION

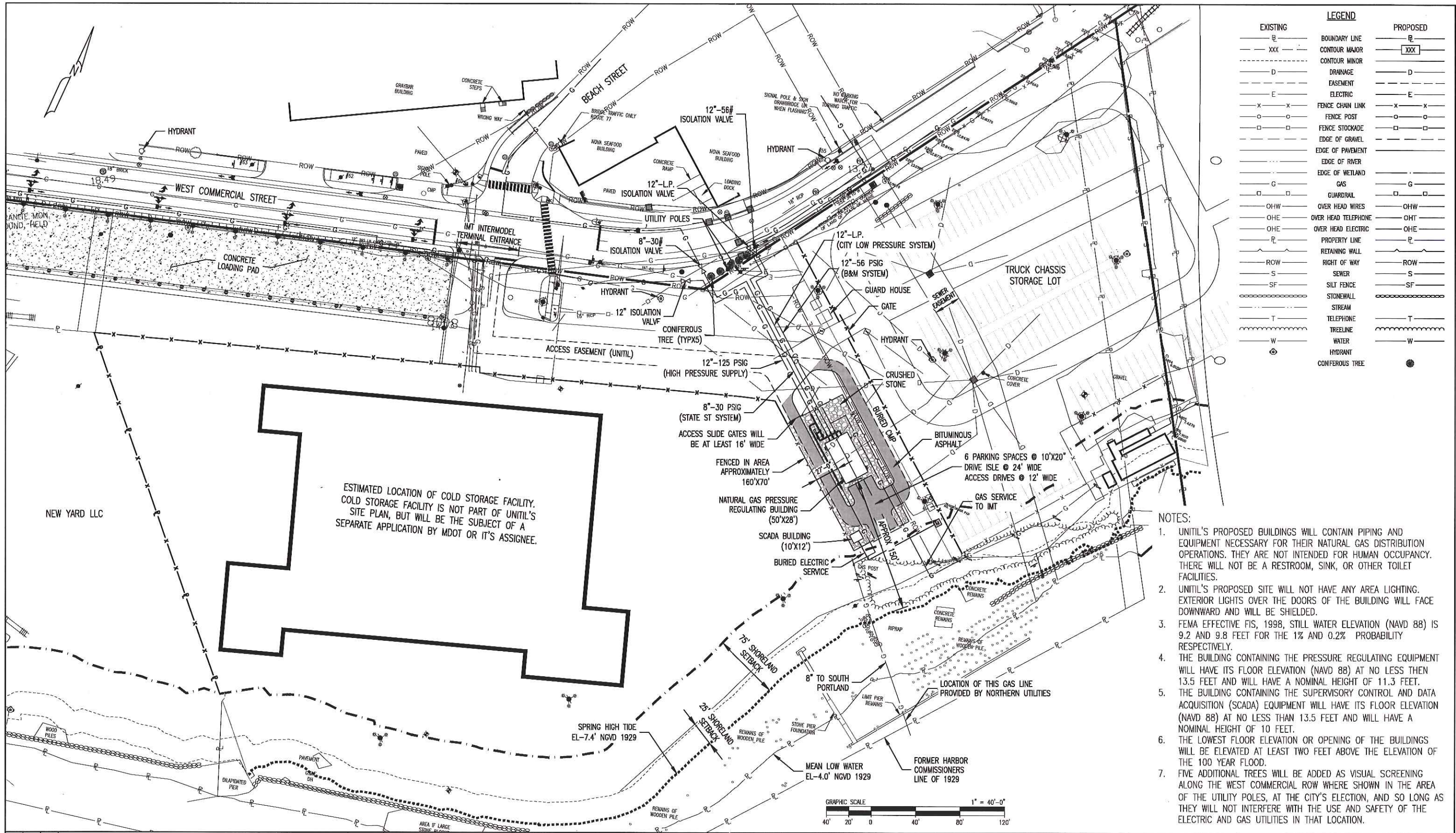
PROJECT LOCATION: PORTLAND, ME 04101

PROCESS PIPELINE SERVICES

1800 Providence Highway
 Walpole, MA 02081
 781.829.0624
 process@pipeline-services.com

FILE NAME: 5183_C00 - FIGURES.DWG
 PLOT DATE: 05/05/2016 10:45 AM
 SCALE: 1" = 40'-0"

SIZE: 22X34
 SHEET: A01
 REV: FIGURE B



EXISTING		LEGEND		PROPOSED	
---	BOUNDARY LINE	---	BOUNDARY LINE	---	BOUNDARY LINE
---	CONTOUR MAJOR	---	CONTOUR MAJOR	---	CONTOUR MAJOR
---	CONTOUR MINOR	---	CONTOUR MINOR	---	CONTOUR MINOR
---	DRAINAGE	---	DRAINAGE	---	DRAINAGE
---	EASEMENT	---	EASEMENT	---	EASEMENT
---	ELECTRIC	---	ELECTRIC	---	ELECTRIC
---	FENCE CHAIN LINK	---	FENCE CHAIN LINK	---	FENCE CHAIN LINK
---	FENCE POST	---	FENCE POST	---	FENCE POST
---	FENCE STOCKADE	---	FENCE STOCKADE	---	FENCE STOCKADE
---	EDGE OF GRAVEL	---	EDGE OF GRAVEL	---	EDGE OF GRAVEL
---	EDGE OF PAVEMENT	---	EDGE OF PAVEMENT	---	EDGE OF PAVEMENT
---	EDGE OF RIVER	---	EDGE OF RIVER	---	EDGE OF RIVER
---	EDGE OF WETLAND	---	EDGE OF WETLAND	---	EDGE OF WETLAND
---	GAS	---	GAS	---	GAS
---	GUARDRAIL	---	GUARDRAIL	---	GUARDRAIL
---	OVER HEAD WIRES	---	OVER HEAD WIRES	---	OVER HEAD WIRES
---	OVER HEAD TELEPHONE	---	OVER HEAD TELEPHONE	---	OVER HEAD TELEPHONE
---	OVER HEAD ELECTRIC	---	OVER HEAD ELECTRIC	---	OVER HEAD ELECTRIC
---	PROPERTY LINE	---	PROPERTY LINE	---	PROPERTY LINE
---	RETAINING WALL	---	RETAINING WALL	---	RETAINING WALL
---	RIGHT OF WAY	---	RIGHT OF WAY	---	RIGHT OF WAY
---	SEWER	---	SEWER	---	SEWER
---	SILT FENCE	---	SILT FENCE	---	SILT FENCE
---	STONEMALL	---	STONEMALL	---	STONEMALL
---	STREAM	---	STREAM	---	STREAM
---	TELEPHONE	---	TELEPHONE	---	TELEPHONE
---	TREELINE	---	TREELINE	---	TREELINE
---	WATER	---	WATER	---	WATER
---	HYDRANT	---	HYDRANT	---	HYDRANT
---	CONIFEROUS TREE	---	CONIFEROUS TREE	---	CONIFEROUS TREE

- NOTES:
1. UNITIL'S PROPOSED BUILDINGS WILL CONTAIN PIPING AND EQUIPMENT NECESSARY FOR THEIR NATURAL GAS DISTRIBUTION OPERATIONS. THEY ARE NOT INTENDED FOR HUMAN OCCUPANCY. THERE WILL NOT BE A RESTROOM, SINK, OR OTHER TOILET FACILITIES.
 2. UNITIL'S PROPOSED SITE WILL NOT HAVE ANY AREA LIGHTING. EXTERIOR LIGHTS OVER THE DOORS OF THE BUILDING WILL FACE DOWNWARD AND WILL BE SHIELDED.
 3. FEMA EFFECTIVE FIS, 1998, STILL WATER ELEVATION (NAVD 88) IS 9.2 AND 9.8 FEET FOR THE 1% AND 0.2% PROBABILITY RESPECTIVELY.
 4. THE BUILDING CONTAINING THE PRESSURE REGULATING EQUIPMENT WILL HAVE ITS FLOOR ELEVATION (NAVD 88) AT NO LESS THAN 13.5 FEET AND WILL HAVE A NOMINAL HEIGHT OF 11.3 FEET.
 5. THE BUILDING CONTAINING THE SUPERVISORY CONTROL AND DATA ACQUISITION (SCADA) EQUIPMENT WILL HAVE ITS FLOOR ELEVATION (NAVD 88) AT NO LESS THAN 13.5 FEET AND WILL HAVE A NOMINAL HEIGHT OF 10 FEET.
 6. THE LOWEST FLOOR ELEVATION OR OPENING OF THE BUILDINGS WILL BE ELEVATED AT LEAST TWO FEET ABOVE THE ELEVATION OF THE 100 YEAR FLOOD.
 7. FIVE ADDITIONAL TREES WILL BE ADDED AS VISUAL SCREENING ALONG THE WEST COMMERCIAL ROW WHERE SHOWN IN THE AREA OF THE UTILITY POLES, AT THE CITY'S ELECTION, AND SO LONG AS THEY WILL NOT INTERFERE WITH THE USE AND SAFETY OF THE ELECTRIC AND GAS UTILITIES IN THAT LOCATION.

REV	BY	DATE	DESCRIPTION	DWG NO.	REFERENCE DRAWINGS	SEAL AND SIGNATURE

PRJ MANAGER: MARK D. WOOD
 PRJ ENGINEER: MARK D. WOOD
 PRJ NAME: WEST COMMERCIAL STREET
 PRJ NUMBER: 5183
 PRJ MILESTONE:
 PRJ PHASE: DESIGN

DESIGNED BY: MDW 03/16/16
 DRAFTED BY: RPG 03/16/16
 CHECKED BY: SMR 03/16/16
 APPROVED BY: MDW 03/16/16

DESIGN MANAGER: TIM BICKFORD
 DESIGN ENGINEER: BOB SCHUMMIRICK
 AUTH NO: 6039 167616

REVIEWED BY:
 CHECKED BY:
 APPROVED BY:



SHEET TITLE	SITE PLAN
PROJECT NAME	WEST COMMERCIAL STREET REGULATOR STATION
PROJECT LOCATION	PORTLAND, ME 04101

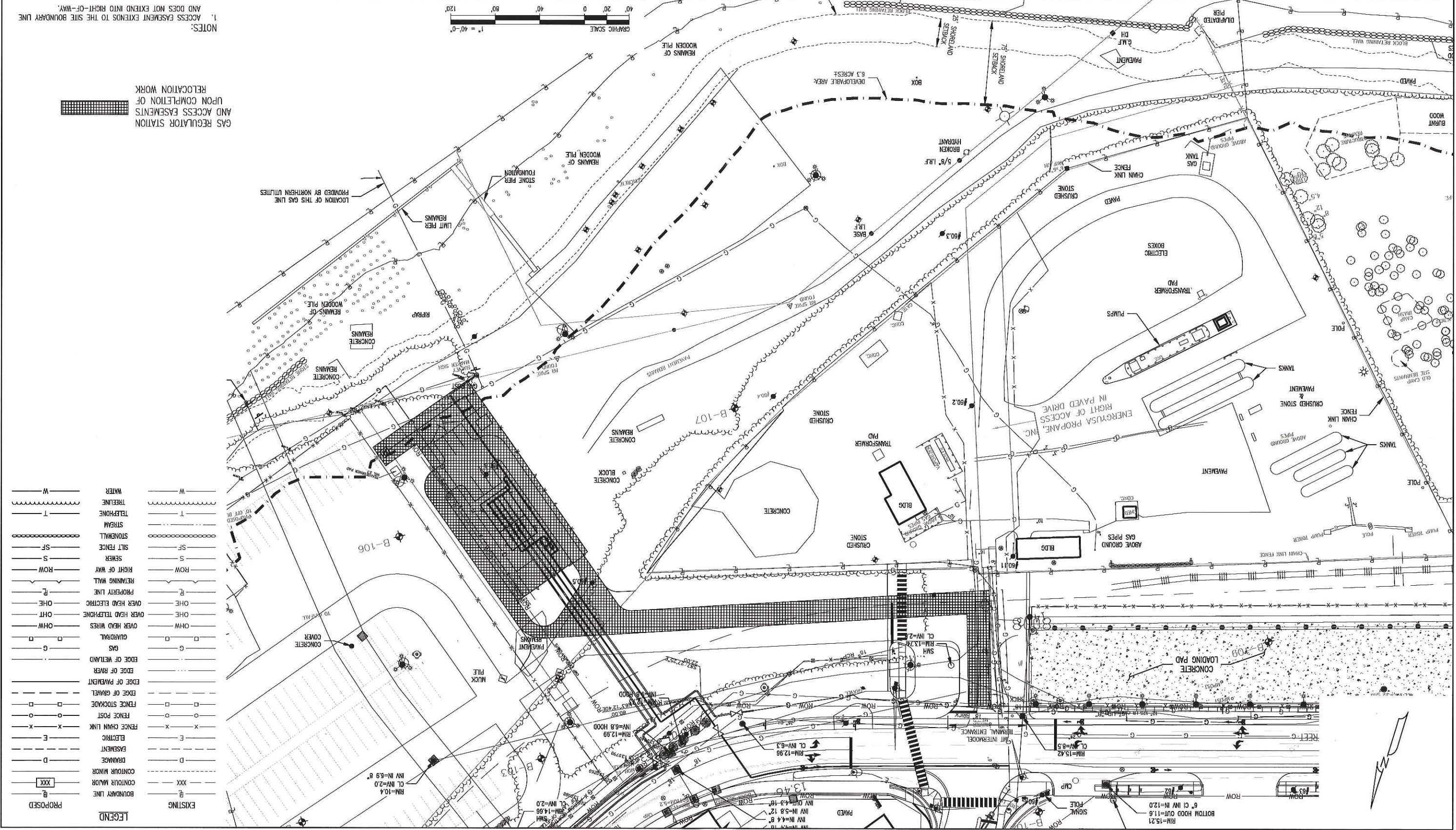
PROCESS PIPELINE SERVICES

1800 Providence Highway
 Walpole, MA 02081
 781.829.0624
 processpipeline@pservices.com

FILE NAME: 5183_000 - SITE FIGURE.DWG
 PLOT DATE: 05/05/2016 10:48 AM
 SCALE: 1" = 40'-0"

SHEET 1 OF 1

REV	BY	DATE	DESCRIPTION	DWG NO.	REFERENCE DRAWINGS	SEAL AND SIGNATURE	APPROVED BY:	DATE:
							DESIGNED BY: MOW	03/18/16
							CHECKED BY: SMR	03/18/16
							DESIGNED BY: RFG	03/18/16
							DESIGNED BY: MOW	03/18/16
							PRJ NUMBER: 5183	
							PRJ NAME: WEST COMMERCIAL STREET	
							PRJ ENGINEER: MARK D. WOOD	
							PRJ MANAGER: MARK D. WOOD	
							APPROVED BY:	
							CHECKED BY: BOB SCHUMMACK	
							DESIGN ENGINEER: BOB SCHUMMACK	
							APPROVED BY:	
							APPROVED BY:	03/18/16
							ALTH NO: 6039 167616	



LEGEND	
PROPOSED	EXISTING
BOUNDARY LINE	BOUNDARY LINE
CONTOUR MAJOR	CONTOUR MAJOR
CONTOUR MINOR	CONTOUR MINOR
DRAINAGE	DRAINAGE
EASEMENT	EASEMENT
ELECTRIC	ELECTRIC
FENCE CHAIN LINK	FENCE CHAIN LINK
FENCE POST	FENCE POST
FENCE STOCKADE	FENCE STOCKADE
EDGE OF GRAVEL	EDGE OF GRAVEL
EDGE OF PAVEMENT	EDGE OF PAVEMENT
EDGE OF RIVER	EDGE OF RIVER
EDGE OF WETLAND	EDGE OF WETLAND
GAS	GAS
GUARDRAIL	GUARDRAIL
OVER HEAD WIRES	OVER HEAD WIRES
OHT	OHT
OHE	OHE
OVER HEAD TELEPHONE	OVER HEAD TELEPHONE
PROPERTY LINE	PROPERTY LINE
RETAINING WALL	RETAINING WALL
RIGHT OF WAY	RIGHT OF WAY
SEWER	SEWER
SILT FENCE	SILT FENCE
STONEWALL	STONEWALL
STREAM	STREAM
TELEPHONE	TELEPHONE
TREELINE	TREELINE
WATER	WATER

NOTES:
 1. ACCESS EASEMENT EXTENDS TO THE SITE BOUNDARY LINE AND DOES NOT EXTEND INTO RIGHT-OF-WAY.

GAS REGULATOR STATION
 UPON COMPLETION OF
 AND ACCESS EASEMENTS
 RELOCATION WORK

PROCESS PIPELINE SERVICES
 781.829.0344
 1500 Providence Highway
 Woburn, MA 02158
 process@pipeline-services.com

PROJECT NAME: WEST COMMERCIAL STREET
 SHEET TITLE: SITE PLAN - C

PROJECT LOCATION: PORTLAND, ME 04101

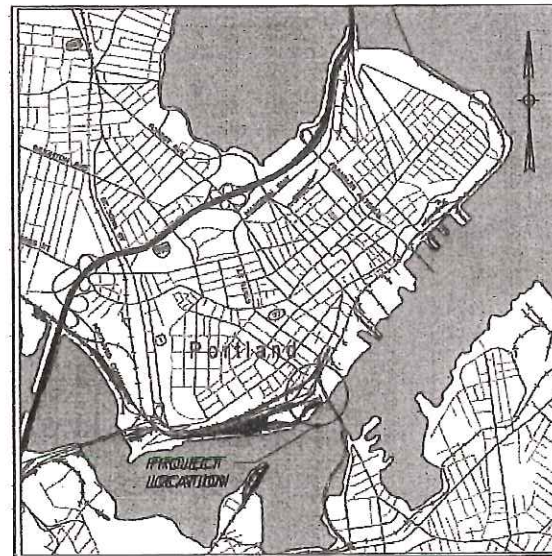
FILE NAME: 5183_000 - FIGURES.DWG
 PLOT DATE: 06/05/2016 10:45 AM
 SIZE: 22X34
 SHEET NO: A01
 FIGURE C

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

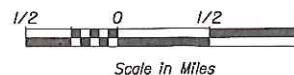


PORTLAND
CUMBERLAND COUNTY
WEST COMMERCIAL STREET INTERMODAL FACILITY
IMT CHASSIS YARD PAVING

WIN: 022809.33



LOCATION MAP



Scale in Miles

Filename: ...33\HIGHWAY\MSTA\001_Title.dgn Division: HIGHWAY Username: nicholas.w.hartley Date: 6/8/2016

22809.33

WEST COMMERCIAL ST. INTERMODAL FACILITY
IMT CHASSIS YARD PAVING
PORTLAND
CUMBERLAND COUNTY
TITLE SHEET

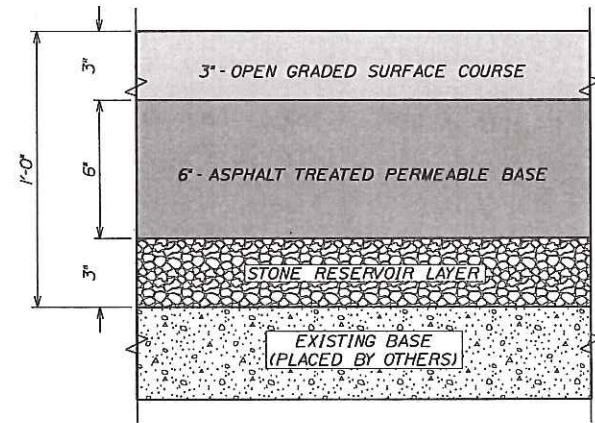
SHEET NUMBER

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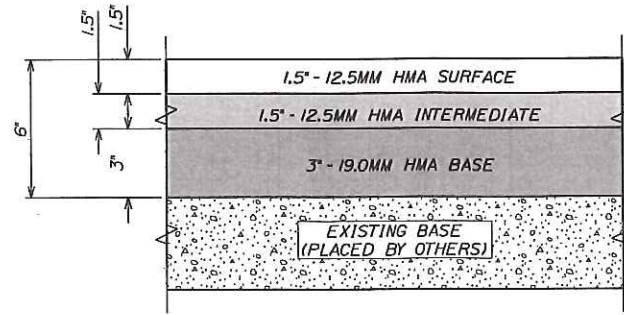
OF 3

STATE OF MAINE	
DEPARTMENT OF TRANSPORTATION	
APPROVED	DATE
COMMISSIONER:	
CHIEF ENGINEER:	

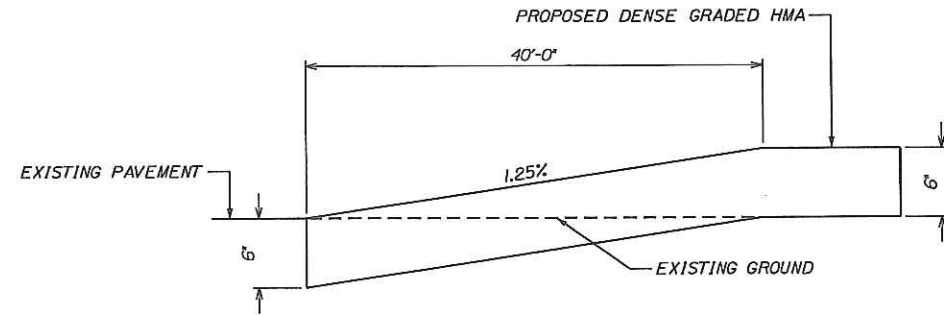
PROJECT INFORMATION	SIGNATURE	P.E. NUMBER	DATE
PROGRAM			
PROJECT MANAGER	JOEL C. KITREDE		
DESIGNER	N HARTLEY		
CONSULTANT			
PROJECT RESIDENT			
CONTRACTOR			
PROJECT COMPLETION DATE			



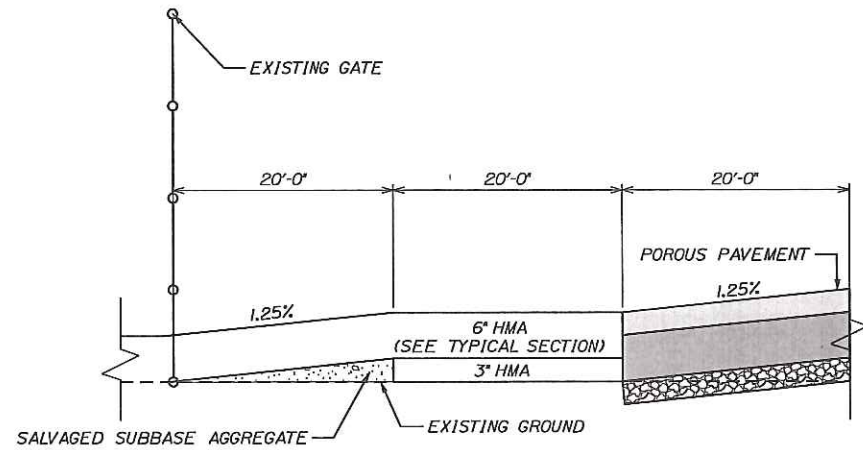
TYPICAL POROUS PAVEMENT SECTION



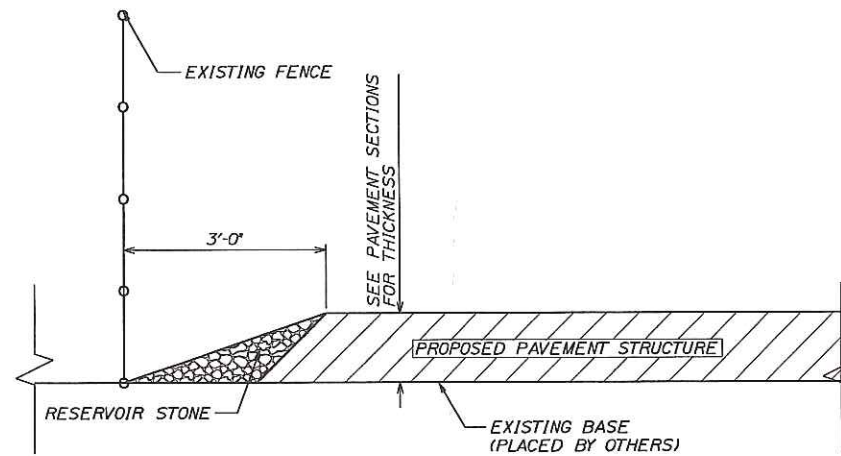
TYPICAL DENSE GRADED PAVEMENT SECTION



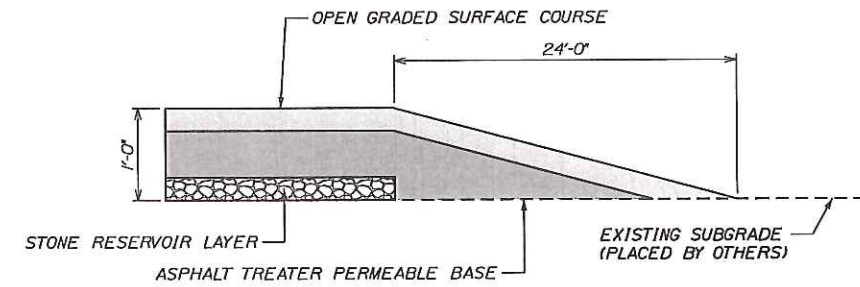
SECTION A-A
TYPICAL EXISTING PAVEMENT TRANSITION SECTION
NOT TO SCALE



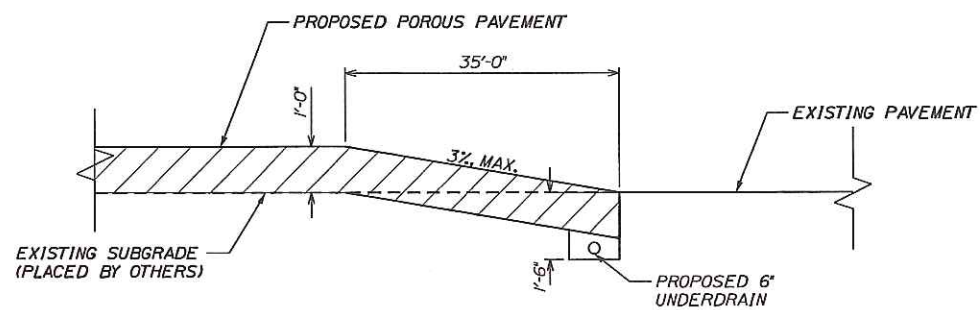
SECTION B-B
TYPICAL PROPOSED PAVEMENT TRANSITION SECTION
NOT TO SCALE



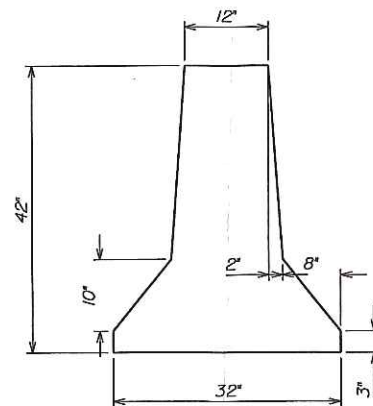
SECTION C-C
TYPICAL FENCE TRANSITION SECTION
NOT TO SCALE



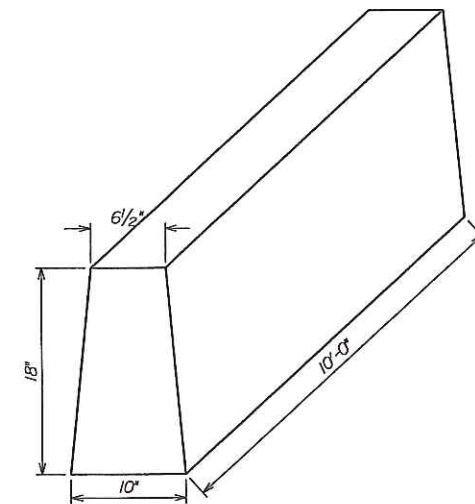
SECTION D-D
TYPICAL GRAVEL TRANSITION SECTION
NOT TO SCALE



SECTION E-E
TYPICAL EXISTING PAVEMENT TRANSITION SECTION (WITH UNDERDRAIN)
NOT TO SCALE



PORTABLE CONCRETE BARRIER, ANCHORED SECTION
NOT TO SCALE

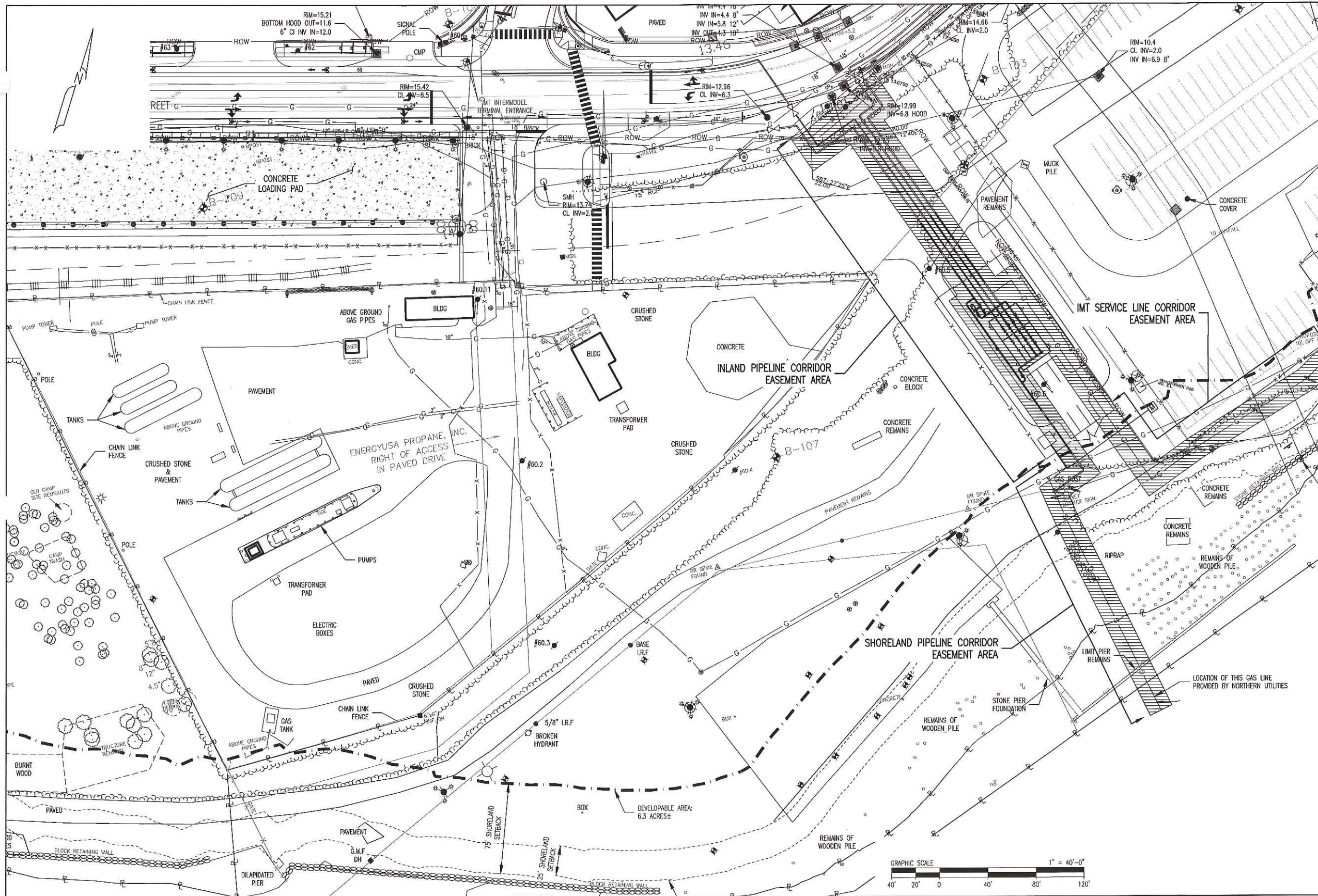


TYPICAL PRECAST CONCRETE CURB SECTION
NOT TO SCALE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
022809.33
WIN 22809.33
HIGHWAY PLANS

PRCL. MANAGER	J. MITCHELL	DATE	BY	DATE	SIGNATURE	P.E. NUMBER	DATE
DESIGN-DETAILED	N. HARTLEY						
CHECKED-REVIEWED							
DESIGN-DETAILED							
DESIGN-DETAILED							
REVISIONS 1							
REVISIONS 2							
REVISIONS 3							
REVISIONS 4							
FIELD CHANGES							

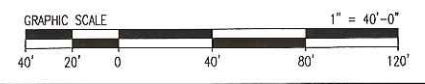
PORTLAND TERMINAL
INTERNATIONAL MARINE TERMINAL
TYPICAL SECTIONS



EXISTING		LEGEND		PROPOSED	
---	BOUNDARY LINE	---	BOUNDARY LINE	---	BOUNDARY LINE
---	CONTOUR MAJOR	---	CONTOUR MAJOR	---	CONTOUR MAJOR
---	CONTOUR MINOR	---	CONTOUR MINOR	---	CONTOUR MINOR
---	DRAINAGE	---	DRAINAGE	---	DRAINAGE
---	EASEMENT	---	EASEMENT	---	EASEMENT
---	ELECTRIC	---	ELECTRIC	---	ELECTRIC
---	FENCE CHAIN LINK	---	FENCE CHAIN LINK	---	FENCE CHAIN LINK
---	FENCE POST	---	FENCE POST	---	FENCE POST
---	FENCE STOCKADE	---	FENCE STOCKADE	---	FENCE STOCKADE
---	EDGE OF GRAVEL	---	EDGE OF GRAVEL	---	EDGE OF GRAVEL
---	EDGE OF PAVEMENT	---	EDGE OF PAVEMENT	---	EDGE OF PAVEMENT
---	EDGE OF RIVER	---	EDGE OF RIVER	---	EDGE OF RIVER
---	EDGE OF WETLAND	---	EDGE OF WETLAND	---	EDGE OF WETLAND
---	GAS	---	GAS	---	GAS
---	GUARDRAIL	---	GUARDRAIL	---	GUARDRAIL
---	OVER HEAD WIRES	---	OVER HEAD WIRES	---	OVER HEAD WIRES
---	OVER HEAD TELEPHONE	---	OVER HEAD TELEPHONE	---	OVER HEAD TELEPHONE
---	OVER HEAD ELECTRIC	---	OVER HEAD ELECTRIC	---	OVER HEAD ELECTRIC
---	PROPERTY LINE	---	PROPERTY LINE	---	PROPERTY LINE
---	RETAINING WALL	---	RETAINING WALL	---	RETAINING WALL
---	RIGHT OF WAY	---	RIGHT OF WAY	---	RIGHT OF WAY
---	SEWER	---	SEWER	---	SEWER
---	SILT FENCE	---	SILT FENCE	---	SILT FENCE
---	STONEMAN	---	STONEMAN	---	STONEMAN
---	STREAM	---	STREAM	---	STREAM
---	TELEPHONE	---	TELEPHONE	---	TELEPHONE
---	TREELINE	---	TREELINE	---	TREELINE
---	WATER	---	WATER	---	WATER

PIPELINE EASEMENTS UPON COMPLETION OF RELOCATION WORK

- NOTES:
1. PIPELINE EASEMENT AREAS EXTEND OUT 10FT OF EITHER SIDE OF INSTALLED PIPELINE.
 2. EASEMENT EXTENDS TO THE SITE BOUNDARY LINE AND DOES NOT EXTEND INTO RIGHT-OF-WAY.



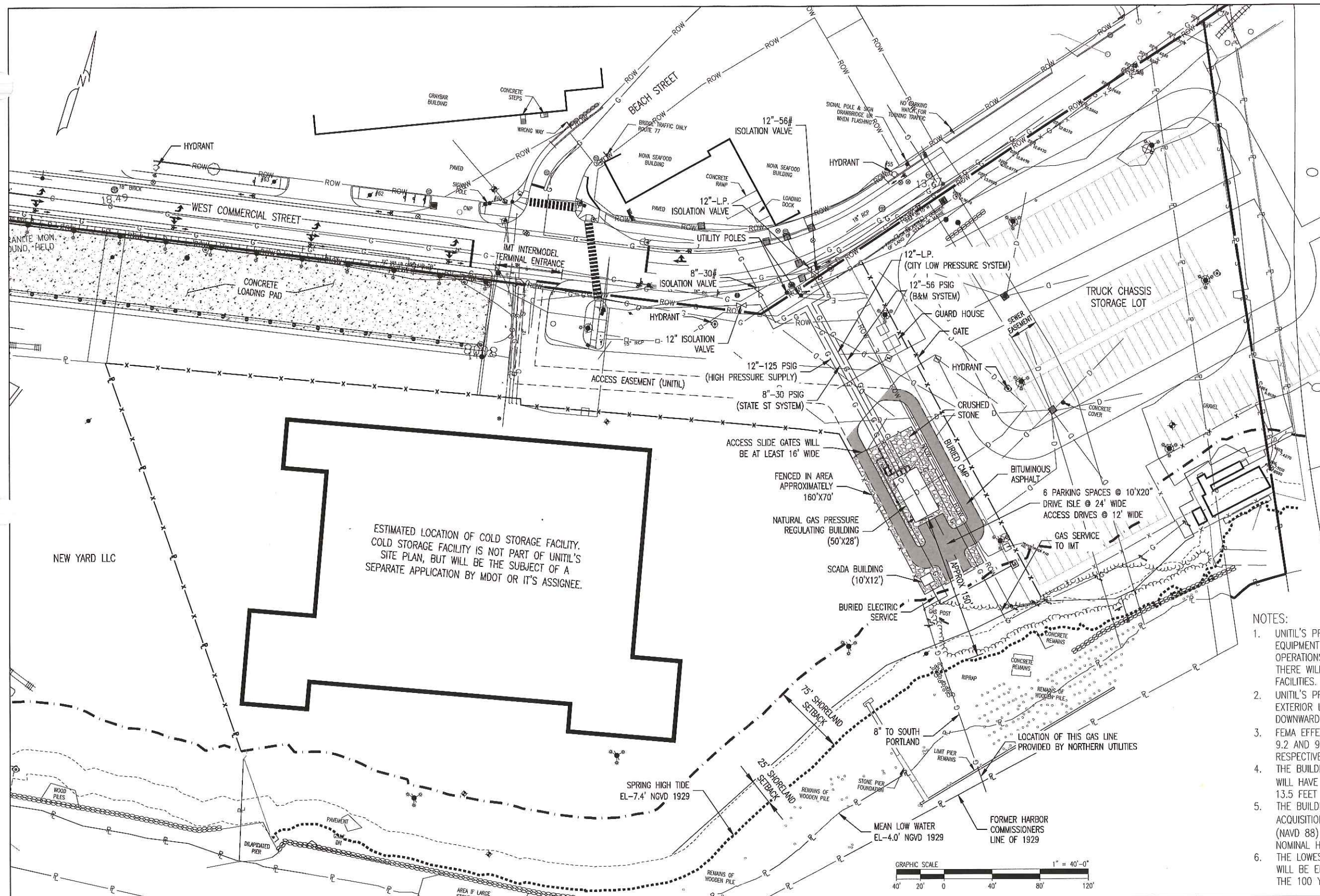
REV	BY	DATE	DESCRIPTION	DWG NO.	REFERENCE DRAWINGS	SEAL AND SIGNATURE

PRJ MANAGER: MARK D. WOOD	CLIENT INFORMATION		SHEET TITLE
PRJ ENGINEER: MARK D. WOOD	PRJ NAME: WEST COMMERCIAL STREET		SITE PLAN - B
PRJ NUMBER: 5183	PRJ MILESTONE:		PROJECT NAME
PRJ PHASE: DESIGN	DESIGNED BY: MDW 03/18/16		WEST COMMERCIAL STREET REGULATORY STATION
DESIGNED BY: MDW 03/18/16	DRAFTED BY: RPG 03/18/16		PROJECT LOCATION
CHECKED BY: SMR 03/18/16	DESIGN ENGINEER: BOB SCHUMMIRCK	PORTLAND, ME 04101	
APPROVED BY: MDW 03/18/16	AUTH NO: 6039 167616		

FILE NAME: 5183_C00 - FIGURES.DWG	SIZE	SHEET	REV
PLOT DATE: 05/02/2016 3:14 PM	22X34	A01	
SCALE: 1" = 40'-0"			

PROCESS PIPELINE SERVICES

1800 Providence Highway
Walpole, MA 02081
781.829.0524
processpipeline@process.com



EXISTING		LEGEND		PROPOSED	
B	BOUNDARY LINE	B	BOUNDARY LINE	B	BOUNDARY LINE
XXX	CONTOUR MAJOR	XXX	CONTOUR MAJOR	XXX	CONTOUR MAJOR
---	CONTOUR MINOR	---	CONTOUR MINOR	---	CONTOUR MINOR
D	DRAINAGE	D	DRAINAGE	D	DRAINAGE
E	EASEMENT	E	EASEMENT	E	EASEMENT
E	ELECTRIC	E	ELECTRIC	E	ELECTRIC
X-X	FENCE CHAIN LINK	X-X	FENCE CHAIN LINK	X-X	FENCE CHAIN LINK
O-O	FENCE POST	O-O	FENCE POST	O-O	FENCE POST
□-□	FENCE STOCKADE	□-□	FENCE STOCKADE	□-□	FENCE STOCKADE
---	EDGE OF GRAVEL	---	EDGE OF GRAVEL	---	EDGE OF GRAVEL
---	EDGE OF PAVEMENT	---	EDGE OF PAVEMENT	---	EDGE OF PAVEMENT
---	EDGE OF RIVER	---	EDGE OF RIVER	---	EDGE OF RIVER
---	EDGE OF WETLAND	---	EDGE OF WETLAND	---	EDGE OF WETLAND
G	GAS	G	GAS	G	GAS
□-□	GUARDRAIL	□-□	GUARDRAIL	□-□	GUARDRAIL
OHW	OVER HEAD WIRES	OHW	OVER HEAD WIRES	OHW	OVER HEAD WIRES
OHT	OVER HEAD TELEPHONE	OHT	OVER HEAD TELEPHONE	OHT	OVER HEAD TELEPHONE
OHE	OVER HEAD ELECTRIC	OHE	OVER HEAD ELECTRIC	OHE	OVER HEAD ELECTRIC
P	PROPERTY LINE	P	PROPERTY LINE	P	PROPERTY LINE
---	RETAINING WALL	---	RETAINING WALL	---	RETAINING WALL
ROW	RIGHT OF WAY	ROW	RIGHT OF WAY	ROW	RIGHT OF WAY
S	SEWER	S	SEWER	S	SEWER
SF	SILT FENCE	SF	SILT FENCE	SF	SILT FENCE
---	STONEMASS	---	STONEMASS	---	STONEMASS
---	STREAM	---	STREAM	---	STREAM
T	TELEPHONE	T	TELEPHONE	T	TELEPHONE
---	TREELINE	---	TREELINE	---	TREELINE
W	WATER	W	WATER	W	WATER
⊙	HYDRANT	⊙	HYDRANT	⊙	HYDRANT

ESTIMATED LOCATION OF COLD STORAGE FACILITY. COLD STORAGE FACILITY IS NOT PART OF UNITIL'S SITE PLAN, BUT WILL BE THE SUBJECT OF A SEPARATE APPLICATION BY MDOT OR IT'S ASSIGNEE.

- NOTES:
1. UNITIL'S PROPOSED BUILDINGS WILL CONTAIN PIPING AND EQUIPMENT NECESSARY FOR THEIR NATURAL GAS DISTRIBUTION OPERATIONS. THEY ARE NOT INTENDED FOR HUMAN OCCUPANCY. THERE WILL NOT BE A RESTROOM, SINK, OR OTHER TOILET FACILITIES.
 2. UNITIL'S PROPOSED SITE WILL NOT HAVE ANY AREA LIGHTING. EXTERIOR LIGHTS OVER THE DOORS OF THE BUILDING WILL FACE DOWNWARD AND WILL BE SHIELDED.
 3. FEMA EFFECTIVE FIS, 1998, STILL WATER ELEVATION (NAVD 88) IS 9.2 AND 9.8 FEET FOR THE 1% AND 0.2% PROBABILITY RESPECTIVELY.
 4. THE BUILDING CONTAINING THE PRESSURE REGULATING EQUIPMENT WILL HAVE ITS FLOOR ELEVATION (NAVD 88) AT NO LESS THEN 13.5 FEET AND WILL HAVE A NOMINAL HEIGHT OF 11.3 FEET.
 5. THE BUILDING CONTAINING THE SUPERVISORY CONTROL AND DATA ACQUISITION (SCADA) EQUIPMENT WILL HAVE ITS FLOOR ELEVATION (NAVD 88) AT NO LESS THAN 13.5 FEET AND WILL HAVE A NOMINAL HEIGHT OF 10 FEET.
 6. THE LOWEST FLOOR ELEVATION OR OPENING OF THE BUILDINGS WILL BE ELEVATED AT LEAST TWO FEET ABOVE THE ELEVATION OF THE 100 YEAR FLOOD.

REV	BY	DATE	DESCRIPTION	DWG NO.	REFERENCE DRAWINGS	SEAL AND SIGNATURE

PRJ MANAGER: MARK D. WOOD	CLIENT INFORMATION
PRJ ENGINEER: MARK D. WOOD	 ME GAS OPERATIONS
PRJ NAME: WEST COMMERCIAL STREET	
PRJ NUMBER: 5183	
PRJ MILESTONE:	
PRJ PHASE: DESIGN	
DESIGNED BY: MDW 03/18/16	DESIGN MANAGER: TIM BICKFORD
DRAFTED BY: RPG 03/18/16	REVIEWED BY:
CHECKED BY: SMR 03/18/16	DESIGN ENGINEER: BOB SCHUMMRICK
APPROVED BY: MDW 03/18/16	AUTH NO: 6039 167616

SHEET TITLE	SITE PLAN
PROJECT NAME	WEST COMMERCIAL STREET REGULATORY STATION
PROJECT LOCATION	PORTLAND, ME 04101

PROCESS PIPELINE SERVICES

1800 Providence Highway
Waldpole, MA 02281
781.629.0524
process@pipeline-services.com

FILE NAME: 5183_000 - SITE FIGURE.DWG
PLOT DATE: 05/02/2016 3:14 PM
SCALE: 1" = 40'-0"

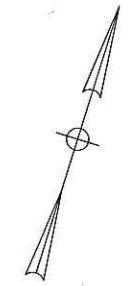
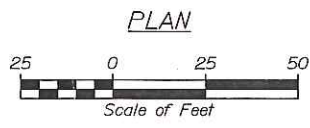
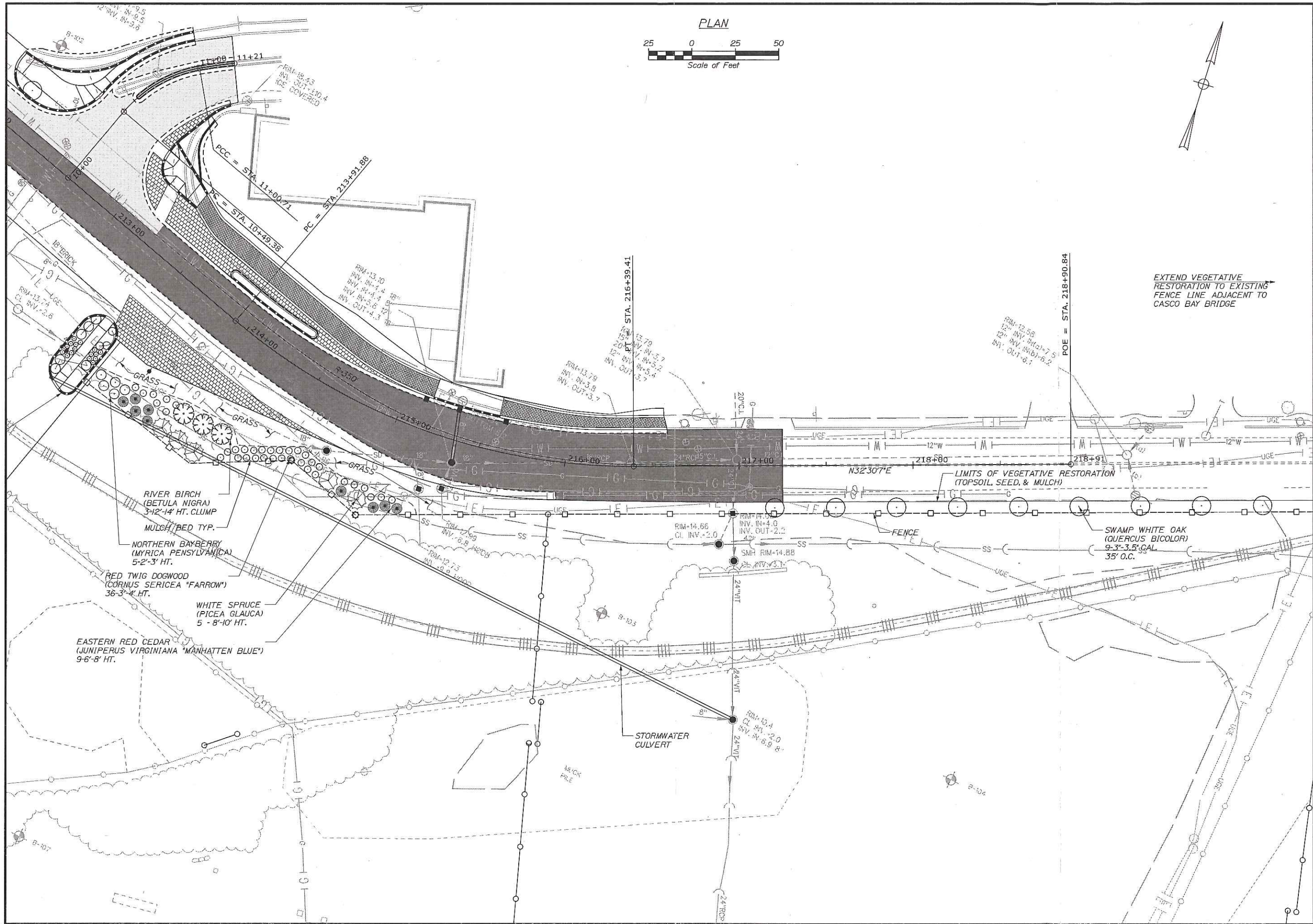
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Date: 6/26/2014

Username:

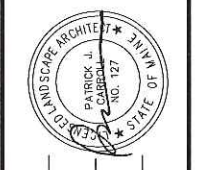
Division:

Filename: 025_Landscape2.dgn



EXTEND VEGETATIVE RESTORATION TO EXISTING FENCE LINE ADJACENT TO CASCO BAY BRIDGE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
PROJECT NUMBER 022809.20

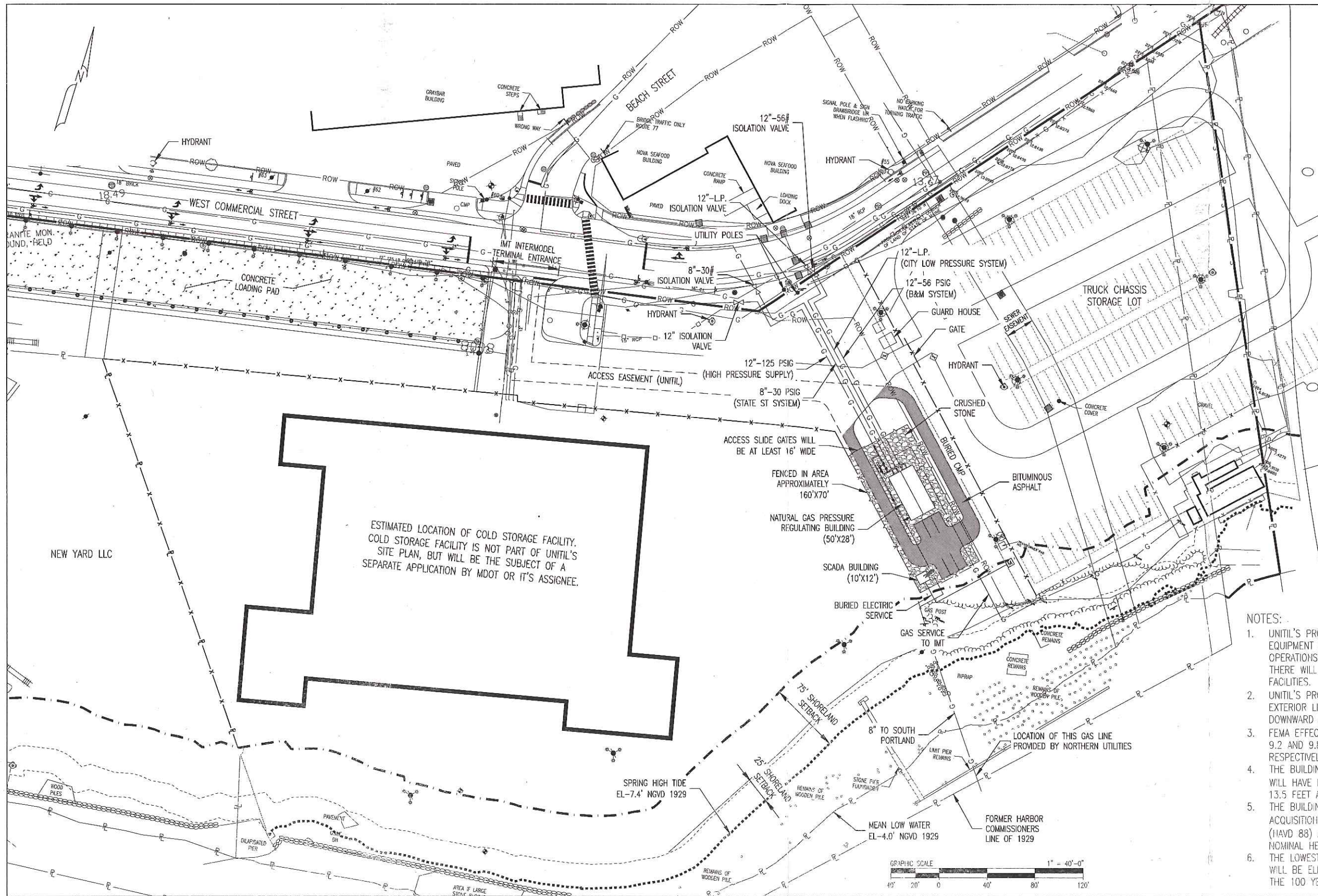


SIGNATURE
P.E. NUMBER
DATE

DATE	BY	DESCRIPTION
06/14	JPC	DESIGN-REVIEWED
06/14	CPM	CHECKED-REVISED
		DESIGN-DETAILS
		REVISIONS 1
		REVISIONS 2
		REVISIONS 3
		REVISIONS 4
		FIELD CHANGES

PORTLAND INTERNATIONAL MARINE TERMINAL
EXISTING LAYDOWN AND CONNECTING CORRIDOR CONNECTION
PORTLAND
CUMBERLAND COUNTY
LANDSCAPING PLAN

SHEET NUMBER
C22
25 OF 116



EXISTING		LEGEND		PROPOSED	
—	BOUNDARY LINE	—	BOUNDARY LINE	—	BOUNDARY LINE
---	CONTOUR MAJOR	---	CONTOUR MAJOR	---	CONTOUR MAJOR
- - -	CONTOUR MINOR	- - -	CONTOUR MINOR	- - -	CONTOUR MINOR
- - -	DRAINAGE	- - -	DRAINAGE	- - -	DRAINAGE
- - -	EASEMENT	- - -	EASEMENT	- - -	EASEMENT
- - -	ELECTRIC	- - -	ELECTRIC	- - -	ELECTRIC
x - x	FENCE CHAIN LINK	x - x	FENCE CHAIN LINK	x - x	FENCE CHAIN LINK
o - o	FENCE POST	o - o	FENCE POST	o - o	FENCE POST
o - o	FENCE STOCKADE	o - o	FENCE STOCKADE	o - o	FENCE STOCKADE
- - -	EDGE OF GRAVEL	- - -	EDGE OF GRAVEL	- - -	EDGE OF GRAVEL
- - -	EDGE OF PAVEMENT	- - -	EDGE OF PAVEMENT	- - -	EDGE OF PAVEMENT
- - -	EDGE OF RIVER	- - -	EDGE OF RIVER	- - -	EDGE OF RIVER
- - -	EDGE OF WETLAND	- - -	EDGE OF WETLAND	- - -	EDGE OF WETLAND
- - -	GAS	- - -	GAS	- - -	GAS
o - o	GUARDRAIL	o - o	GUARDRAIL	o - o	GUARDRAIL
- - -	OVER HEAD WIRES	- - -	OVER HEAD WIRES	- - -	OVER HEAD WIRES
- - -	OVER HEAD TELEPHONE	- - -	OVER HEAD TELEPHONE	- - -	OVER HEAD TELEPHONE
- - -	OVER HEAD ELECTRIC	- - -	OVER HEAD ELECTRIC	- - -	OVER HEAD ELECTRIC
- - -	PROPERTY LINE	- - -	PROPERTY LINE	- - -	PROPERTY LINE
- - -	RETAINING WALL	- - -	RETAINING WALL	- - -	RETAINING WALL
- - -	RIGHT OF WAY	- - -	RIGHT OF WAY	- - -	RIGHT OF WAY
- - -	SEWER	- - -	SEWER	- - -	SEWER
- - -	SILT FENCE	- - -	SILT FENCE	- - -	SILT FENCE
- - -	STONEMASS	- - -	STONEMASS	- - -	STONEMASS
- - -	STREAM	- - -	STREAM	- - -	STREAM
- - -	TELEPHONE	- - -	TELEPHONE	- - -	TELEPHONE
- - -	TREELINE	- - -	TREELINE	- - -	TREELINE
- - -	WATER	- - -	WATER	- - -	WATER
o	HYDRANT	o	HYDRANT	o	HYDRANT

ESTIMATED LOCATION OF COLD STORAGE FACILITY. COLD STORAGE FACILITY IS NOT PART OF UNITIL'S SITE PLAN, BUT WILL BE THE SUBJECT OF A SEPARATE APPLICATION BY MDOT OR IT'S ASSIGNEE.

- NOTES:
1. UNITIL'S PROPOSED BUILDINGS WILL CONTAIN PIPING AND EQUIPMENT NECESSARY FOR THEIR NATURAL GAS DISTRIBUTION OPERATIONS. THEY ARE NOT INTENDED FOR HUMAN OCCUPANCY. THERE WILL NOT BE A RESTROOM, SINK, OR OTHER TOILET FACILITIES.
 2. UNITIL'S PROPOSED SITE WILL NOT HAVE ANY AREA LIGHTING. EXTERIOR LIGHTS OVER THE DOORS OF THE BUILDING WILL FACE DOWNWARD AND WILL BE SHIELDED.
 3. FEMA EFFECTIVE FIS, 1998, STILL WATER ELEVATION (NAVD 88) IS 9.2 AND 9.8 FEET FOR THE 1% AND 0.2% PROBABILITY RESPECTIVELY.
 4. THE BUILDING CONTAINING THE PRESSURE REGULATING EQUIPMENT WILL HAVE ITS FLOOR ELEVATION (NAVD 88) AT NO LESS THEN 13.5 FEET AND WILL HAVE A NOMINAL HEIGHT OF 11.3 FEET.
 5. THE BUILDING CONTAINING THE SUPERVISORY CONTROL AND DATA ACQUISITION (SCADA) EQUIPMENT WILL HAVE ITS FLOOR ELEVATION (NAVD 88) AT NO LESS THAN 13.5 FEET AND WILL HAVE A NOMINAL HEIGHT OF 10 FEET.
 6. THE LOWEST FLOOR ELEVATION OR OPENING OF THE BUILDINGS WILL BE ELEVATED AT LEAST TWO FEET ABOVE THE ELEVATION OF THE 100 YEAR FLOOD.



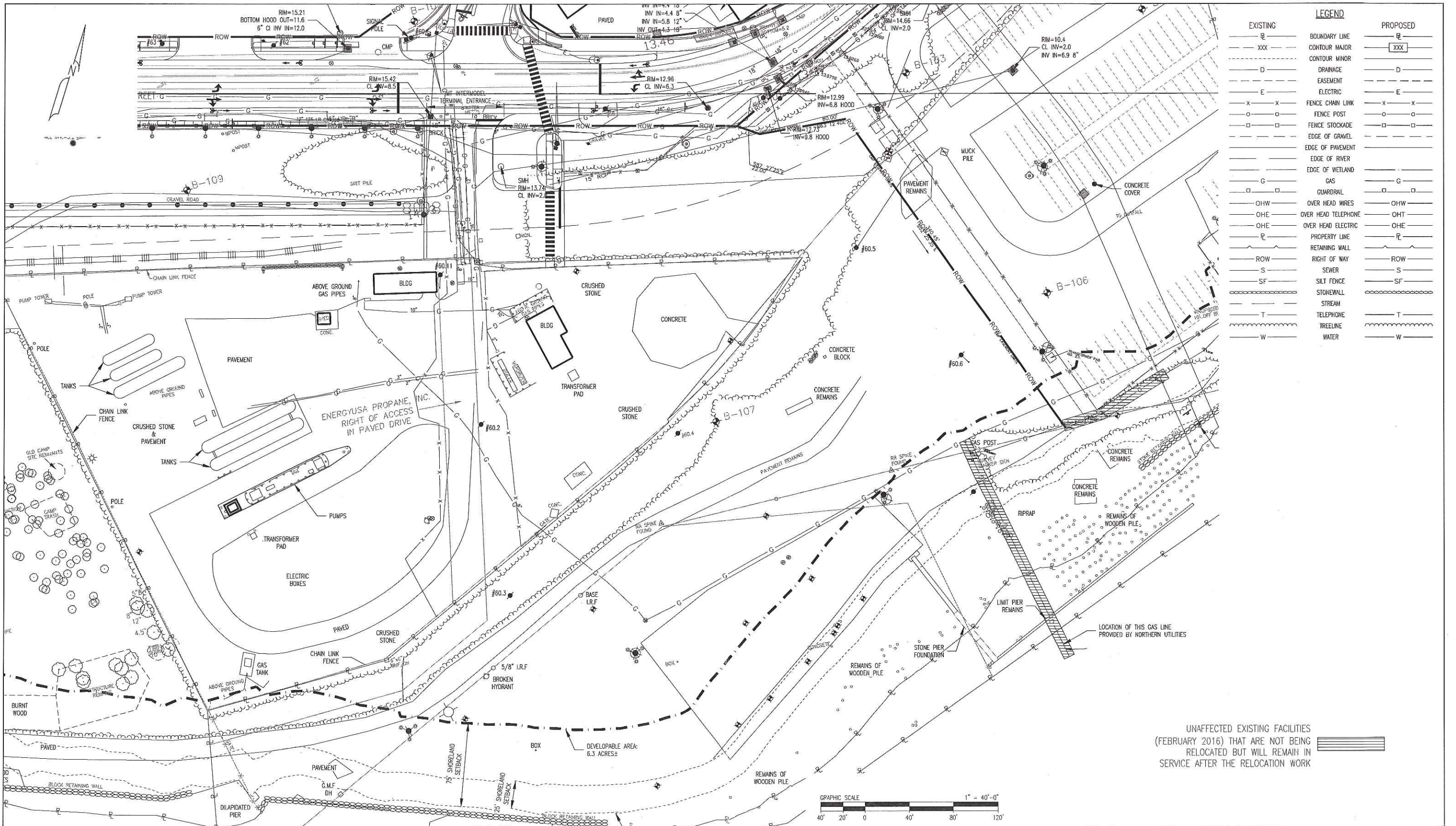
REV	BY	DATE	DESCRIPTION	DWG. NO.	REFERENCE DRAWINGS	SEAL AND SIGNATURE

PRJ. MANAGER: MARK D. WOOD	CLIENT INFORMATION	SHEET TITLE
PRJ. ENGINEER: MARK D. WOOD		SITE PLAN
PRJ. NAME: WEST COMMERCIAL STREET		PROJECT NAME
PRJ. NUMBER: 5183	PROJECT LOCATION	WEST COMMERCIAL STREET REGULATORY STATION
PRJ. MILESTONE:	PORTLAND, ME 04101	
PRJ. PHASE: DESIGN		
DESIGNED BY: MDW 03/18/16	DESIGN MANAGER: TIM BICKFORD	REVIEWED BY:
DRAFTED BY: RPG 03/18/16	DESIGN ENGINEER: BOB SCHUMMACK	CHECKED BY:
CHECKED BY: SMR 03/18/16	AUTH. NO.: 6039 167616	APPROVED BY:
APPROVED BY: MDW 03/18/16		

FILE NAME: 5183_C09 - SITE FIGURE.DWG	SIZE	SHEET	REV
PLOT DATE: 04/09/2016 1:50 PM	22X34	A01	
SCALE: 1" = 40'-0"			

PROCESS PIPELINE SERVICES

1600 Providence Highway
Walpole, MA 02081
781.829.0524
processpipeline.com



EXISTING		LEGEND		PROPOSED	
---	BOUNDARY LINE	---	BOUNDARY LINE	---	BOUNDARY LINE
XXX	CONTOUR MAJOR	---	CONTOUR MAJOR	XXX	CONTOUR MAJOR
---	CONTOUR MINOR	---	CONTOUR MINOR	---	CONTOUR MINOR
D	DRAINAGE	---	EASEMENT	D	DRAINAGE
E	ELECTRIC	---	ELECTRIC	E	ELECTRIC
X-X-X	FENCE CHAIN LINK	---	FENCE POST	X-X-X	FENCE CHAIN LINK
O-O	FENCE STOCKADE	---	EDGE OF GRAVEL	O-O	FENCE STOCKADE
---	EDGE OF PAVEMENT	---	EDGE OF RIVER	---	EDGE OF PAVEMENT
---	EDGE OF WETLAND	---	GAS	---	EDGE OF WETLAND
G	GUARDRAIL	---	OVER HEAD WIRES	G	GUARDRAIL
OHW	OVER HEAD TELEPHONE	---	OVER HEAD ELECTRIC	OHW	OVER HEAD TELEPHONE
OHE	PROPERTY LINE	---	RETAINING WALL	OHE	OVER HEAD ELECTRIC
---	RIGHT OF WAY	---	ROW	---	PROPERTY LINE
S	SEWER	---	SILT FENCE	S	SEWER
SF	STONEWALL	---	STREAM	SF	SILT FENCE
---	TELEPHONE	---	TREELINE	---	STONEWALL
---	WATER	---	W	---	TELEPHONE
		---	W	---	WATER

UNAFFECTED EXISTING FACILITIES (FEBRUARY 2016) THAT ARE NOT BEING RELOCATED BUT WILL REMAIN IN SERVICE AFTER THE RELOCATION WORK

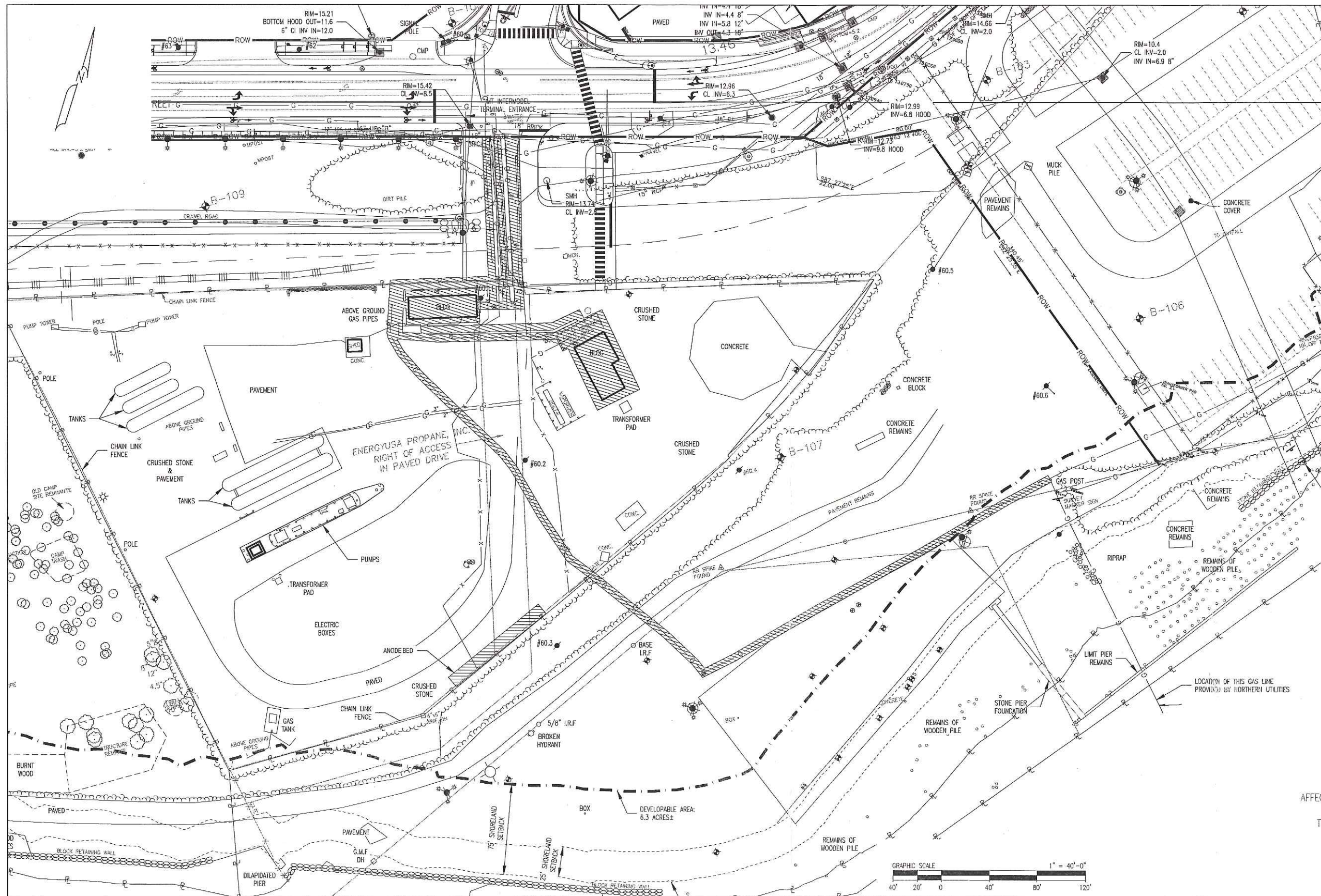


REV	BY	DATE	DESCRIPTION	DWG NO.	REFERENCE DRAWINGS	SEAL AND SIGNATURE

PRJ MANAGER: MARK D. WOOD	CLIENT INFORMATION	<p>ME GAS OPERATIONS</p>
PRJ ENGINEER: MARK D. WOOD		
PRJ NAME: WEST COMMERCIAL STREET		
PRJ NUMBER: 5183		
PRJ MILESTONE:		
PRJ PHASE: DESIGN		
DESIGNED BY: MDW 03/18/16	DESIGN MANAGER: TIM BICKFORD	REVIEWED BY:
DRAFTED BY: RFG 03/18/16	DESIGN ENGINEER: BOB SCHUMMICK	CHECKED BY:
CHECKED BY: SMR 03/18/16	ACTIVATION ORDER:	APPROVED BY:
APPROVED BY: MDW 03/18/16		

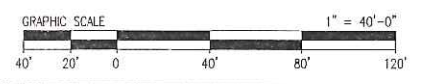
SHEET TITLE	FIGURE 2
PROJECT NAME	WEST COMMERCIAL STREET REGULATORY STATION
PROJECT LOCATION	PORTLAND, ME 04101

<p>1600 Providence Highway Walpole, MA 02081 781.829.0524 processpipeline.com</p>	FILE NAME: 5183_C00 - FIGURES.DWG PLOT DATE: 04/01/2016 3:29 PM SCALE: 1" = 40'-0"	SIZE: 22X34 SHEET: A01 REV: 1 FIGURE 2
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EXISTING		LEGEND		PROPOSED	
—	BOUNDARY LINE	—	BOUNDARY LINE	—	BOUNDARY LINE
---	CONTOUR MAJOR	---	CONTOUR MAJOR	---	CONTOUR MAJOR
---	CONTOUR MINOR	---	CONTOUR MINOR	---	CONTOUR MINOR
- - -	DRAINAGE	- - -	DRAINAGE	- - -	DRAINAGE
- - -	EASEMENT	- - -	EASEMENT	- - -	EASEMENT
- - -	ELECTRIC	- - -	ELECTRIC	- - -	ELECTRIC
x - x	FENCE CHAIN LINK	x - x	FENCE CHAIN LINK	x - x	FENCE CHAIN LINK
o - o	FENCE POST	o - o	FENCE POST	o - o	FENCE POST
□ - □	FENCE STOCKADE	□ - □	FENCE STOCKADE	□ - □	FENCE STOCKADE
- - -	EDGE OF GRAVEL	- - -	EDGE OF GRAVEL	- - -	EDGE OF GRAVEL
- - -	EDGE OF PAVEMENT	- - -	EDGE OF PAVEMENT	- - -	EDGE OF PAVEMENT
- - -	EDGE OF RIVER	- - -	EDGE OF RIVER	- - -	EDGE OF RIVER
- - -	EDGE OF WETLAND	- - -	EDGE OF WETLAND	- - -	EDGE OF WETLAND
G	GAS	G	GAS	G	GAS
□ - □	GUARDRAIL	□ - □	GUARDRAIL	□ - □	GUARDRAIL
OHW	OVER HEAD WIRES	OHW	OVER HEAD WIRES	OHW	OVER HEAD WIRES
OHT	OVER HEAD TELEPHONE	OHT	OVER HEAD TELEPHONE	OHT	OVER HEAD TELEPHONE
OHE	OVER HEAD ELECTRIC	OHE	OVER HEAD ELECTRIC	OHE	OVER HEAD ELECTRIC
P	PROPERTY LINE	P	PROPERTY LINE	P	PROPERTY LINE
- - -	RETAINING WALL	- - -	RETAINING WALL	- - -	RETAINING WALL
ROW	RIGHT OF WAY	ROW	RIGHT OF WAY	ROW	RIGHT OF WAY
S	SEWER	S	SEWER	S	SEWER
SF	SILT FENCE	SF	SILT FENCE	SF	SILT FENCE
- - -	STONEMASS	- - -	STONEMASS	- - -	STONEMASS
- - -	STREAM	- - -	STREAM	- - -	STREAM
T	TELEPHONE	T	TELEPHONE	T	TELEPHONE
- - -	TREELINE	- - -	TREELINE	- - -	TREELINE
W	WATER	W	WATER	W	WATER

AFFECTED EXISTING FACILITIES
(FEBRUARY 2009)
THAT WILL BE RELOCATED



REV	BY	DATE	DESCRIPTION	DWG NO.	REFERENCE DRAWINGS	SEAL AND SIGNATURE

PRJ MANAGER: MARK D. WOOD
 PRJ ENGINEER: MARK D. WOOD
 PRJ NAME: WEST COMMERCIAL STREET
 PRJ NUMBER: 5183
 PRJ MILESTONE:
 PRJ PHASE: DESIGN
 DESIGNED BY: MDW 03/18/16
 DRAFTED BY: RPG 03/18/16
 CHECKED BY: SMR 03/18/16
 APPROVED BY: MDW 03/18/16

CLIENT INFORMATION

 ME GAS OPERATIONS
 DESIGN MANAGER: TIM BICKFORD
 DESIGN ENGINEER: BOB SCHUMMICK
 ACTUATION ORDER:
 REVIEWED BY:
 CHECKED BY:
 APPROVED BY:

SHEET TITLE
FIGURE 1
 PROJECT NAME
**WEST COMMERCIAL STREET
 REGULATOR STATION**
 PROJECT LOCATION
 PORTLAND, ME 04101

PROCESS PIPELINE SERVICES
 1600 Providence Highway
 Walpole, MA 02081
 781.829.0524
 processpipelineservices.com
 FILE NAME: 5183_C00 - FIGURES.DWG
 PLOT DATE: 04/01/2016 3:29 PM
 SCALE: 1" = 40'-0"
 SIZE: 22X34
 SHEET: A01
 REV: FIGURE 1

