

PORT OF OLYMPIA

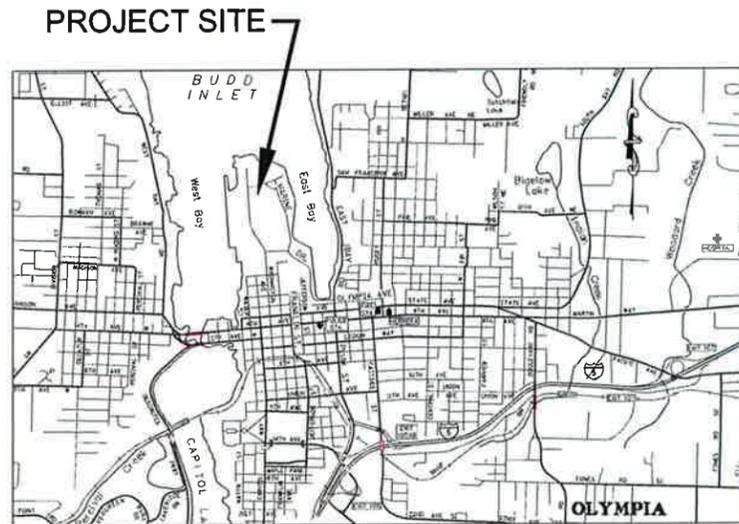
THURSTON COUNTY, WASHINGTON

MARINE TERMINAL

IMPROVEMENT PLANS FOR STORMWATER CONVEYANCE AND TREATMENT IMPROVEMENTS

PROJECT NO. ENV1202

CONTRACT NO. 2013-1015



0 1/2
SCALE IN MILES

LOCATION MAP

THURSTON COUNTY, WASHINGTON

PORT OFFICIALS

George Barner

Commissioner

Bill McGregor

Commissioner

Dr. Sue Gunn

Commissioner

Ed Galligan

Executive Director

William Helbig, P.E.

Engineering Director

Alex Smith

Environmental Programs Director

Rick Anderson

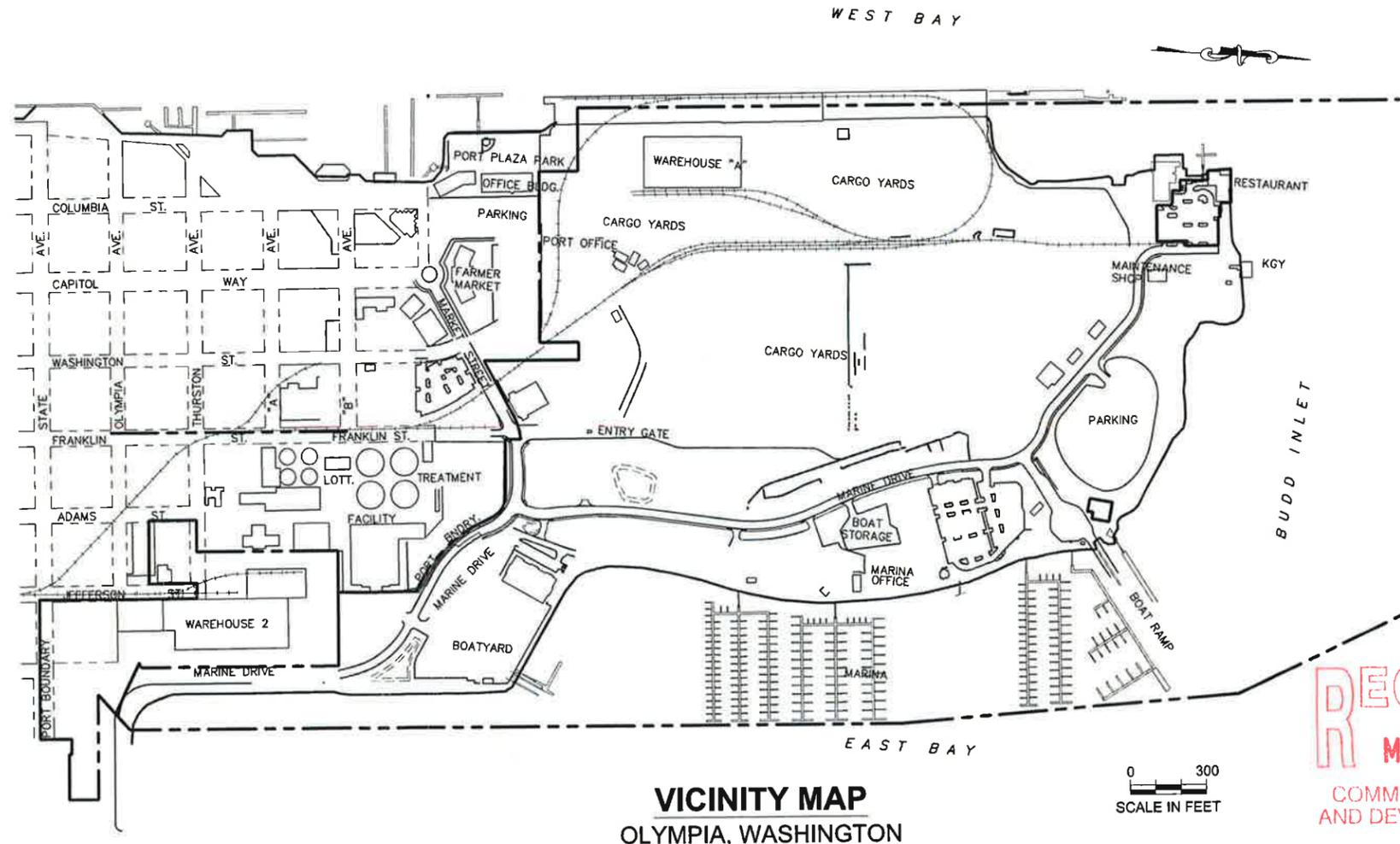
Construction Manager

Jim Knight

Marine Terminal Director

Tyson Carpenter, P.E.

Project Manager



VICINITY MAP
OLYMPIA, WASHINGTON

0 300
SCALE IN FEET

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AND DEVELOPMENT DEPT.

BUILDING INFORMATION

- CPDES* 2012 IBC, IBC, NFPA 72, IFC, WASHINGTON STATE ENERGY CODE, UPC, WITH ALL STATE OF WASHINGTON AMENDMENTS.
- CONSTRUCTION TYPE: TYPE II-B, UNPROTECTED NON-COMBUSTIBLE.
- NUMBER OF STORIES AND TOTAL HEIGHT: 1 STORY, 25'-0" TALL.
- BUILDING SQUARE FOOTAGE: 1,720 SQ. FT.
- IBC OCCUPANCY TYPE: H-4 HIGH HAZARD (CORROSIVES AND TOXIC MATERIALS).



ENGINEERING DEPARTMENT
915 Washington Street NE
Olympia, Washington



2200 Sixth Avenue
Suite 1100
Seattle, Washington
98101
206-441-9080
206-441-9108 FAX

<http://www.herrerainc.com>

PORT OF OLYMPIA APPROVALS

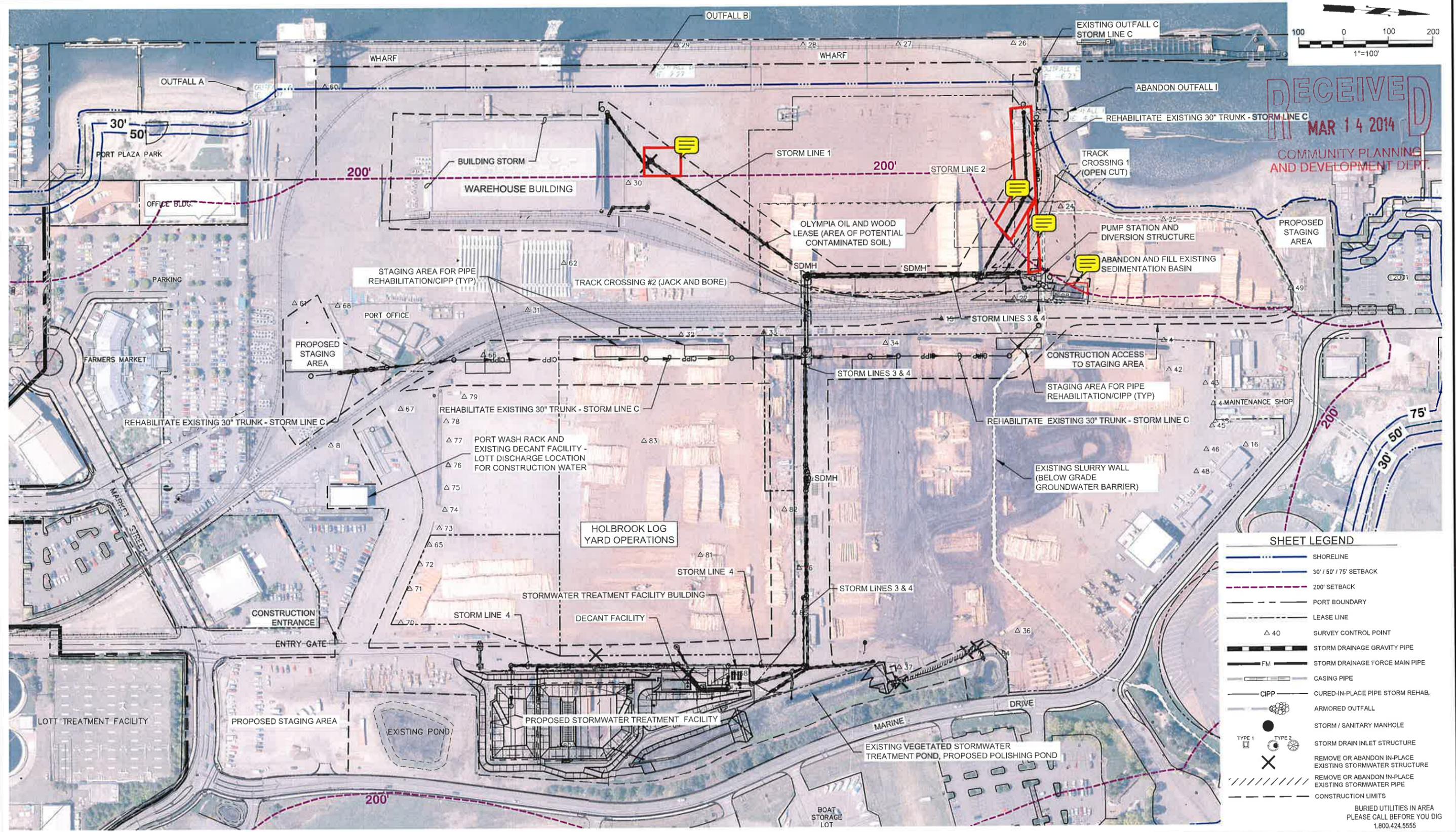
THIS PLAN SET, SHEETS 1 to 125, ARE APPROVED FOR CONSTRUCTION BY:

William S. Helbig, Engineering Director _____ DATE: _____

REVIEWED BY:

Alex Smith, Project Manager _____ DATE: _____

Program Mgr Name, Mgr Title _____ DATE: _____



SHEET LEGEND

- SHORELINE
- 30' / 50' / 75' SETBACK
- 200' SETBACK
- PORT BOUNDARY
- LEASE LINE
- SURVEY CONTROL POINT
- STORM DRAINAGE GRAVITY PIPE
- STORM DRAINAGE FORCE MAIN PIPE
- CASING PIPE
- CURED-IN-PLACE PIPE STORM REHAB.
- ARMORED OUTFALL
- STORM / SANITARY MANHOLE
- STORM DRAIN INLET STRUCTURE
- REMOVE OR ABANDON IN-PLACE EXISTING STORMWATER STRUCTURE
- REMOVE OR ABANDON IN-PLACE EXISTING STORMWATER PIPE
- CONSTRUCTION LIMITS

BURIED UTILITIES IN AREA
PLEASE CALL BEFORE YOU DIG
1.800.424.5555

Path: P:\Proj\2012\12-05285-002\CADD\FIGURES and EXHIBITS\SITE PLAN-OHW.dwg
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 Cad User: Richmond Hulme

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			RECORD DRAWING CERTIFICATION These drawings conform to the Contractor's construction records. Drawn By: _____ Date _____ Project Manager: _____	Drawn	RFH
				Reviewed	
				Approved	
				SCALE:	AS NOTED
					ONE INCH AS DRAWN
				File:	SITE PLAN-OHW

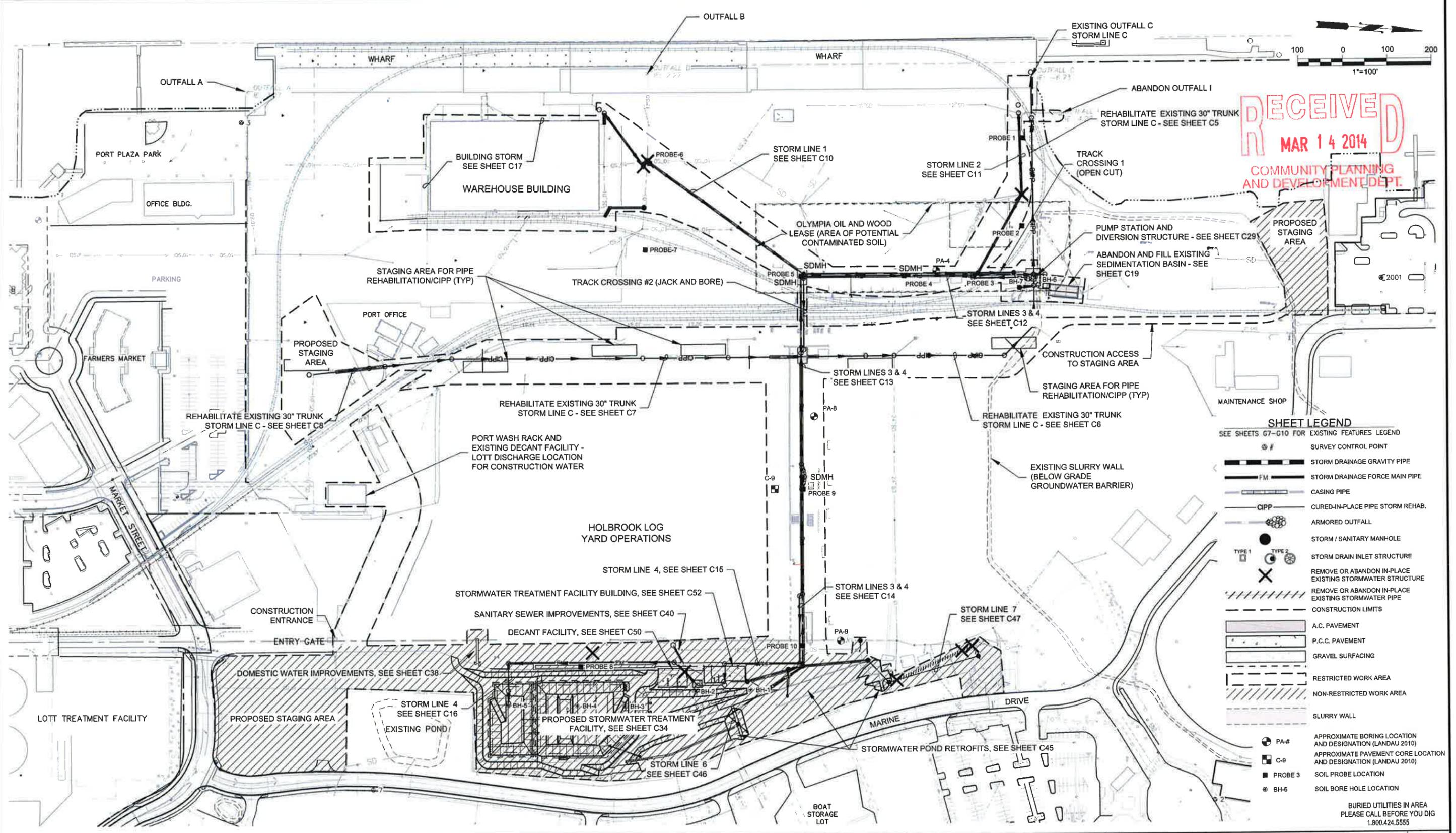
PRELIMINARY PLAN

Port of Olympia
 ENGINEERING DEPARTMENT
 915 Washington Street NE
 Olympia, Washington

REVIEWED BY: _____ DATE: _____
 Project Manager

**MARINE TERMINAL
 STORMWATER CONVEYANCE AND
 TREATMENT IMPROVEMENTS**
**ORDINARY HIGH WATER (OHW)
 SETBACK EXHIBIT**

PROJECT NUMBER: ENV1202
 CONTRACT NUMBER: 2013-1015
 SHEET: 1
 OF 1



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SHEET LEGEND

SEE SHEETS G7-G10 FOR EXISTING FEATURES LEGEND

- SURVEY CONTROL POINT
- STORM DRAINAGE GRAVITY PIPE
- STORM DRAINAGE FORCE MAIN PIPE
- CASING PIPE
- CURED-IN-PLACE PIPE STORM REHAB.
- ARMORED OUTFALL
- STORM / SANITARY MANHOLE
- STORM DRAIN INLET STRUCTURE TYPE 1
- STORM DRAIN INLET STRUCTURE TYPE 2
- REMOVE OR ABANDON IN-PLACE EXISTING STORMWATER STRUCTURE
- REMOVE OR ABANDON IN-PLACE EXISTING STORMWATER PIPE
- CONSTRUCTION LIMITS
- A.C. PAVEMENT
- P.C.C. PAVEMENT
- GRAVEL SURFACING
- RESTRICTED WORK AREA
- NON-RESTRICTED WORK AREA
- SLURRY WALL
- PA-# APPROXIMATE BORING LOCATION AND DESIGNATION (LANDAU 2010)
- C-# APPROXIMATE PAVEMENT CORE LOCATION AND DESIGNATION (LANDAU 2010)
- PROBE # SOIL PROBE LOCATION
- BH-# SOIL BORE HOLE LOCATION

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Project Manager: _____

Drawn: _____

Reviewed: _____

Approved: _____

SCALE: AS NOTED

ONE INCH
AS DRAWN

File: SITE PLAN



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915 Washington Street NE
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Project Manager

MARINE TERMINAL
STORMWATER CONVEYANCE AND
TREATMENT IMPROVEMENTS

SITE IMPROVEMENT PLAN

PROJECT NUMBER ENV1202	CONTRACT NUMBER 2013-1015
SHEET G6	OF 125

MATCHLINE - SHEET G7 -

NOTES

1. TOPOGRAPHIC SURVEY INFORMATION WAS PROVIDED BY KPG, BASED ON SURVEY CONTROL POINTS PROVIDED BY SKILLINGS CONNOLLY, HORIZONTAL DATUM NAD83/91 - WASHINGTON SOUTH ZONE; VERTICAL DATUM NGVD29.
2. EXISTING UTILITIES ARE SHOWN IN APPROXIMATE LOCATIONS ONLY. PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR SHALL CALL UTILITY NOTIFICATION CENTER AT 1.800.424.5555 (OR 811) A MINIMUM OF 48 HOURS PRIOR TO ANY EXCAVATION FOR UTILITY LOCATIONS. CONTRACTOR SHALL ALSO NOTIFY AND COORDINATE WITH ALL AFFECTED PRIVATE UTILITIES.
3. FOR BORING LOGS, SEE REFERENCE INFORMATION (HWA GEOSCIENCES, INC. 2013).
4. FOR PROBE BORINGS, SEE REFERENCE INFORMATION (HERRERA 2014).

HOLBROOK LOG YARD OPERATIONS

Debris Pile Will Be Removed

UTILITY INFORMATION SHOWN ALSO INCLUDES RECORD INFORMATION FROM PORT OF OLYMPIA CARGO YARD CONTRACT NO. 298 PAVING, LIGHTING, AND WATER QUALITY IMPROVEMENTS, REID MIDDLETON (2008)

PROBE 8

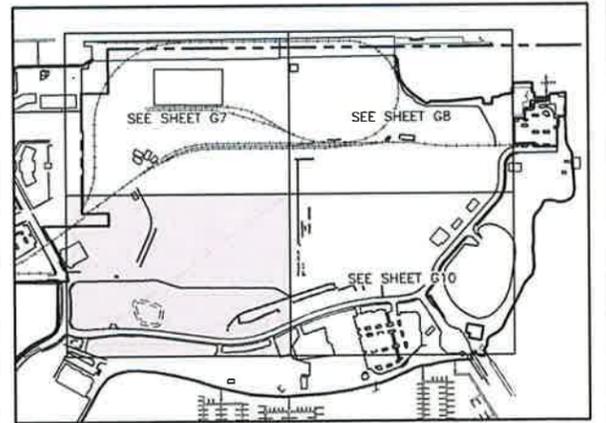
DEBRIS PILE 5,400 C.Y.

DEBRIS PILE 4,200 C.Y.

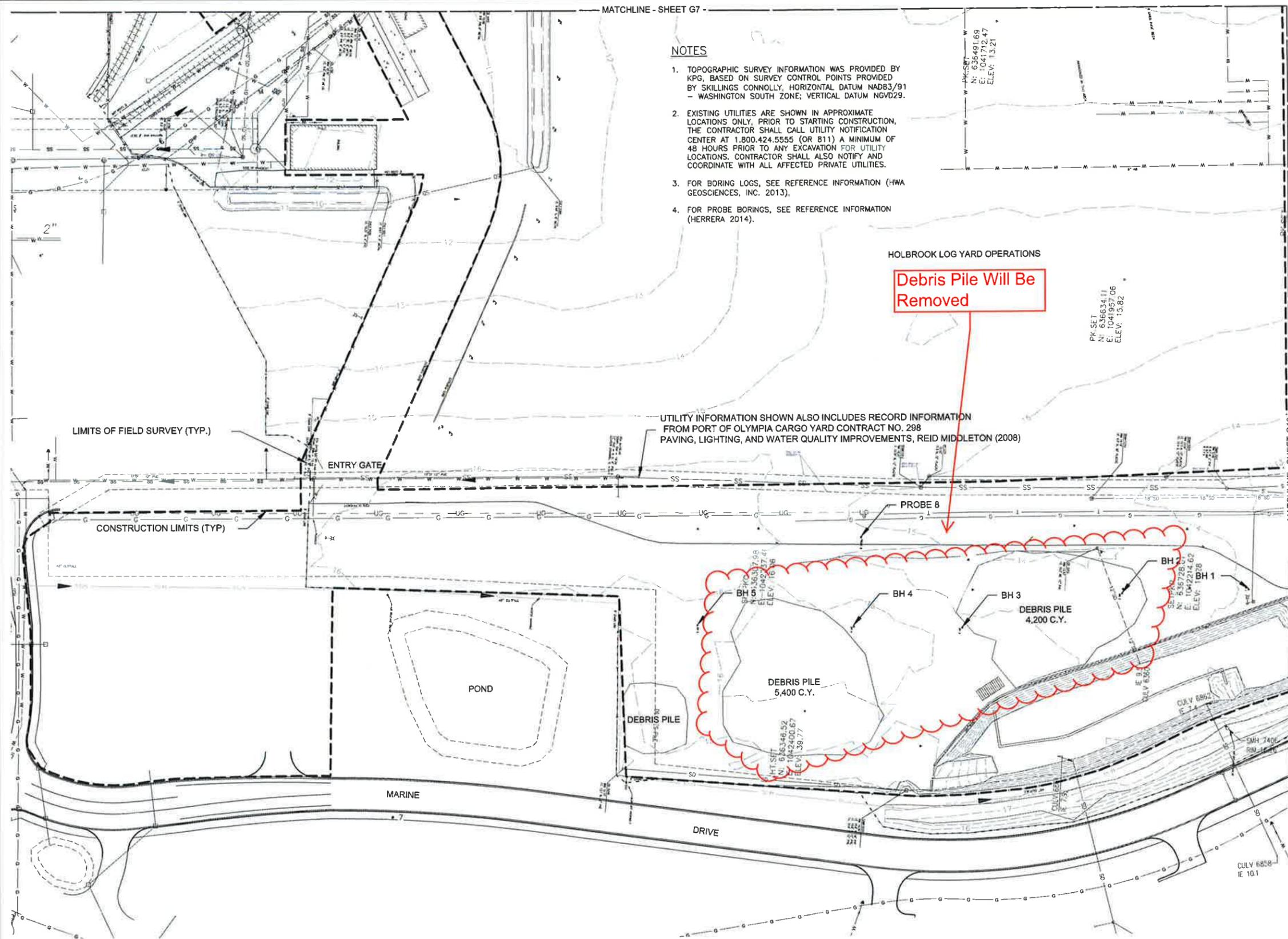
LEGEND - EXISTING

- MONUMENT IN CASE
- SURFACE MONUMENT
- PK NAIL
- CATCH BASIN
- STORM DRAIN MANHOLE
- YARD DRAIN
- STORM DRAIN CLEAN-OUT
- CULVERT
- SEWER MANHOLE
- SEWER CLEAN-OUT
- POWER POLE
- POWER POLE WITH UNDERGROUND CONNECT
- POWER POLE WITH LUMINAIRE
- POWER MANHOLE
- POWER VAULT LID
- POWER TRANSFORMER
- GUY ANCHOR
- RAILROAD SWITCH
- TELEPHONE MANHOLE
- WATER VALVE
- WATER MANHOLE
- WATER VAULT LID
- FIRE HYDRANT
- UTILITY MANHOLE (GENERIC/UNKNOWN)
- UTILITY VAULT LID (GENERIC/UNKNOWN)
- STAND-PIPE (GENERIC/UNKNOWN)
- GUARD POST
- SIGN
- DECIDUOUS TREE, DIAMETER (# OF TRUNKS)
- CONIFEROUS TREE, DIAMETER (# OF TRUNKS)
- PAINTED POWER
- PAINTED FIBER OPTIC
- PAINTED WATER
- PAINTED GAS
- STORM
- SANITARY SEWER PIPE
- FENCE
- BUILDING
- EDGE OF PAVEMENT
- FLOWLINE
- CONTOUR
- CONCRETE
- GRAVEL
- ASPHALT/CONCRETE
- CHAINLINK
- YARD DRAIN

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			Project Manager:	Reviewed	
				Approved	
			SCALE: AS NOTED		
			ONE INCH AS DRAWN		
			File: EXISTING CONDITIONS		

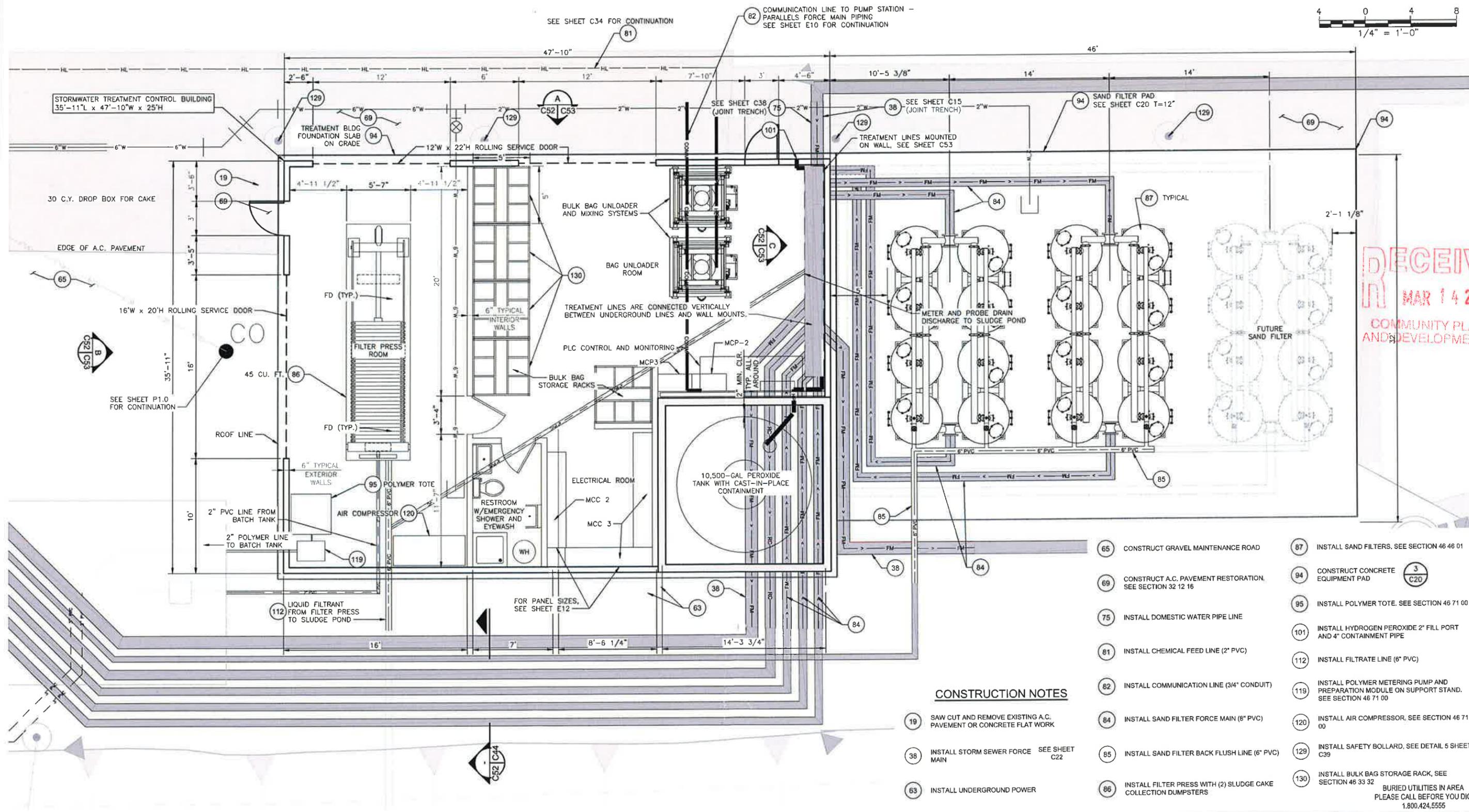
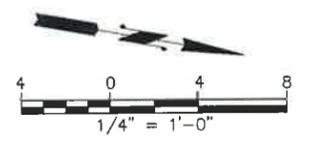


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Project Manager
HERRERA

MARINE TERMINAL
STORMWATER CONVEYANCE AND TREATMENT IMPROVEMENTS
EXISTING CONDITIONS - SHEET 3

PROJECT NUMBER: ENV1202
CONTRACT NUMBER: 2013-1015
SHEET: G9
9 OF 125



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CONSTRUCTION NOTES

- 19 SAW CUT AND REMOVE EXISTING A.C. PAVEMENT OR CONCRETE FLAT WORK
 - 38 INSTALL STORM SEWER FORCE MAIN SEE SHEET C22
 - 63 INSTALL UNDERGROUND POWER
 - 65 CONSTRUCT GRAVEL MAINTENANCE ROAD
 - 69 CONSTRUCT A.C. PAVEMENT RESTORATION, SEE SECTION 32 12 16
 - 75 INSTALL DOMESTIC WATER PIPE LINE
 - 81 INSTALL CHEMICAL FEED LINE (2" PVC)
 - 82 INSTALL COMMUNICATION LINE (3/4" CONDUIT)
 - 84 INSTALL SAND FILTER FORCE MAIN (6" PVC)
 - 85 INSTALL SAND FILTER BACK FLUSH LINE (6" PVC)
 - 86 INSTALL FILTER PRESS WITH (2) SLUDGE CAKE COLLECTION DUMPSTERS
 - 87 INSTALL SAND FILTERS. SEE SECTION 46 46 01
 - 94 CONSTRUCT CONCRETE EQUIPMENT PAD 3
C20
 - 95 INSTALL POLYMER TOTE. SEE SECTION 46 71 00
 - 101 INSTALL HYDROGEN PEROXIDE 2" FILL PORT AND 4" CONTAINMENT PIPE
 - 112 INSTALL FILTRATE LINE (6" PVC)
 - 119 INSTALL POLYMER METERING PUMP AND PREPARATION MODULE ON SUPPORT STAND. SEE SECTION 46 71 00
 - 120 INSTALL AIR COMPRESSOR, SEE SECTION 46 71 00
 - 129 INSTALL SAFETY BOLLARD, SEE DETAIL 5 SHEET C39
 - 130 INSTALL BULK BAG STORAGE RACK, SEE SECTION 46 33 32
- BURIED UTILITIES IN AREA PLEASE CALL BEFORE YOU DIG 1.800.424.5555

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 Cad User: Mary Larkin

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Project Manager: _____

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File: PLAN AND ELEV - CONTROL BLDG



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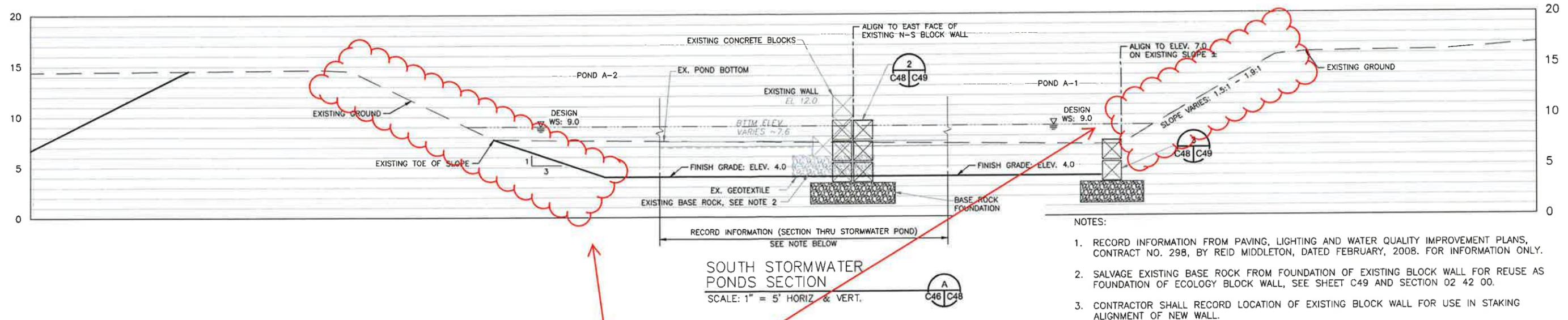
REVIEWED BY: _____ DATE: _____

Project Manager

MARINE TERMINAL
 STORMWATER CONVEYANCE AND
 TREATMENT IMPROVEMENTS

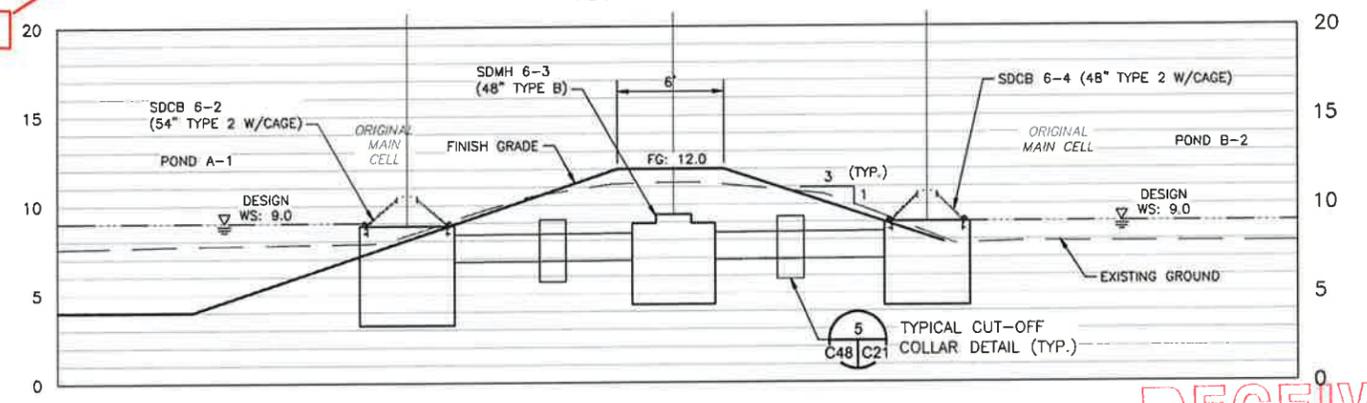
TREATMENT FACILITY
 BUILDING FLOOR PLAN

PROJECT NUMBER ENV1202
CONTRACT NUMBER 2013-1015
SHEET C52
62 OF 125



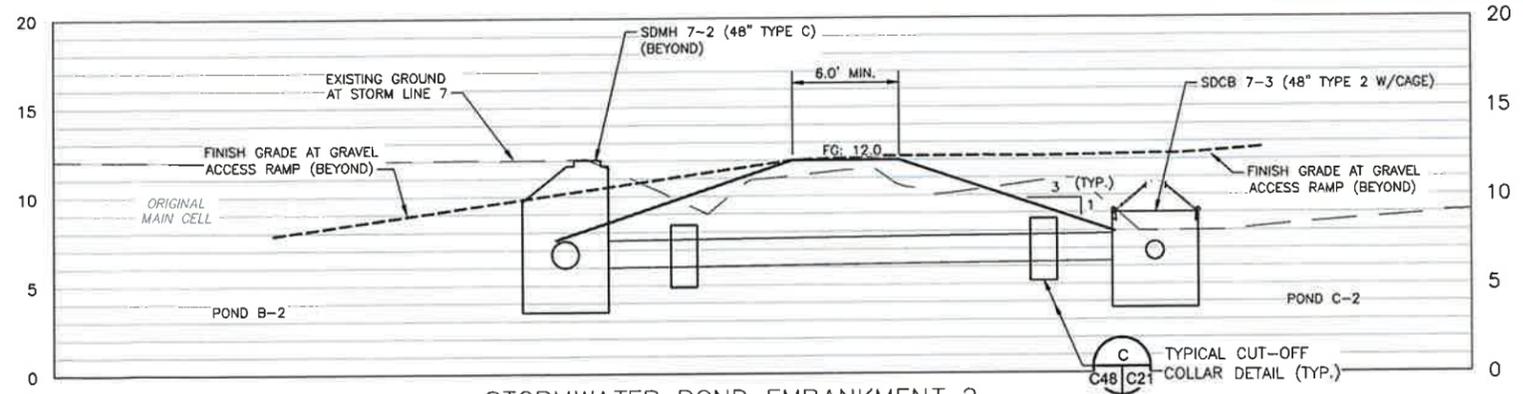
- NOTES:
1. RECORD INFORMATION FROM PAVING, LIGHTING AND WATER QUALITY IMPROVEMENT PLANS, CONTRACT NO. 298, BY REID MIDDLETON, DATED FEBRUARY, 2008. FOR INFORMATION ONLY.
 2. SALVAGE EXISTING BASE ROCK FROM FOUNDATION OF EXISTING BLOCK WALL FOR REUSE AS FOUNDATION OF ECOLOGY BLOCK WALL, SEE SHEET C49 AND SECTION 02 42 00.
 3. CONTRACTOR SHALL RECORD LOCATION OF EXISTING BLOCK WALL FOR USE IN STAKING ALIGNMENT OF NEW WALL.

Hydroseed Slopes



STORMWATER POND EMBANKMENT 1 SECTION
SCALE: 1" = 5' HORIZ. & VERT.

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STORMWATER POND EMBANKMENT 2 SECTION
SCALE: 1" = 5' HORIZ. & VERT.

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 Cad User: Mary Jankin

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				Reviewed	
				Approved	
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			ONE INCH AS DRAWN		
			File: PLAN - POND RETROFIT		

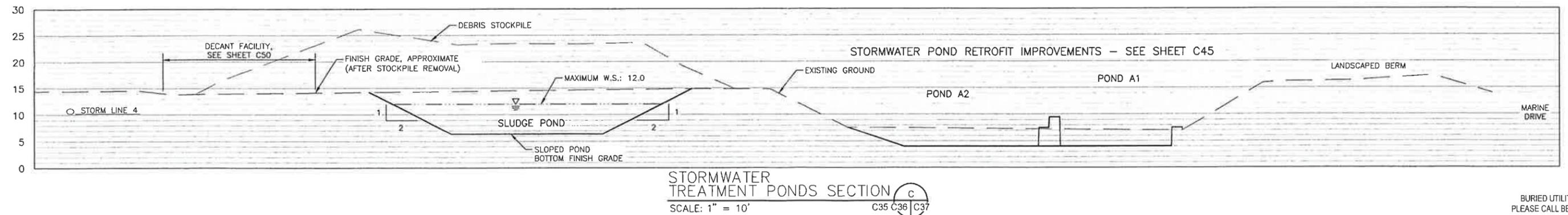
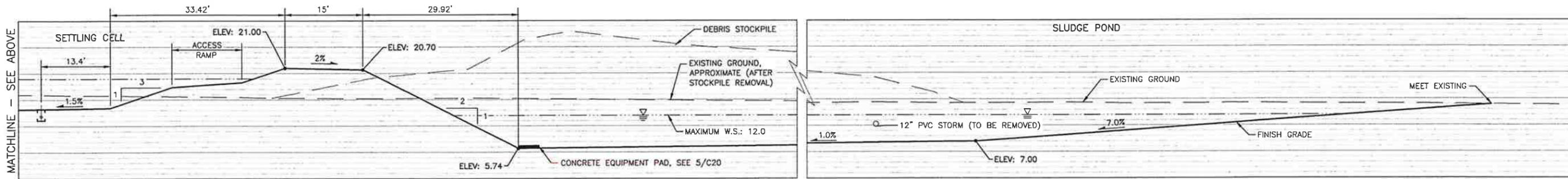
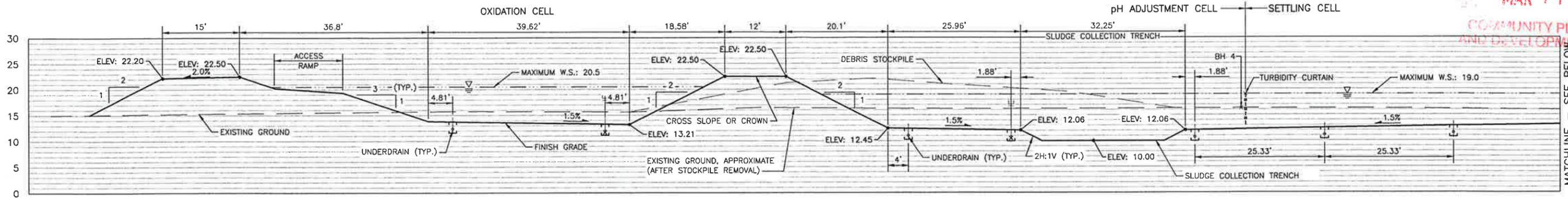
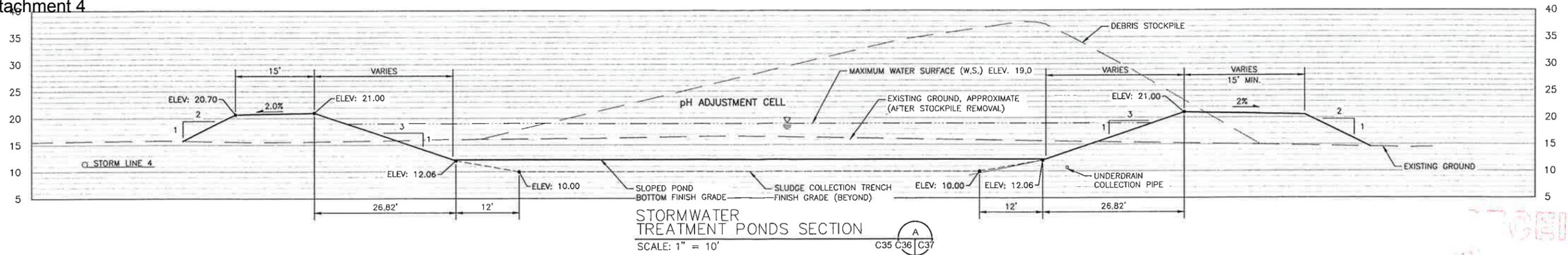


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ENGINEERING DEPARTMENT
915 Washington Street NE
Olympia, Washington

REVIEWED BY: _____ DATE: _____
Project Manager
HERRERA

**MARINE TERMINAL
STORMWATER CONVEYANCE AND
TREATMENT IMPROVEMENTS
STORMWATER POND RETROFIT
SECTIONS**

PROJECT NUMBER	ENV1202
CONTRACT NUMBER	2013-1015
SHEET	C48
	58 OF 125



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MATCHLINE - SEE BELOW

MATCHLINE - SEE ABOVE

MATCHLINE - SEE ABOVE

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Cad User: Mary Larkin

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File: PLM1 - TREATMENT FACILITY

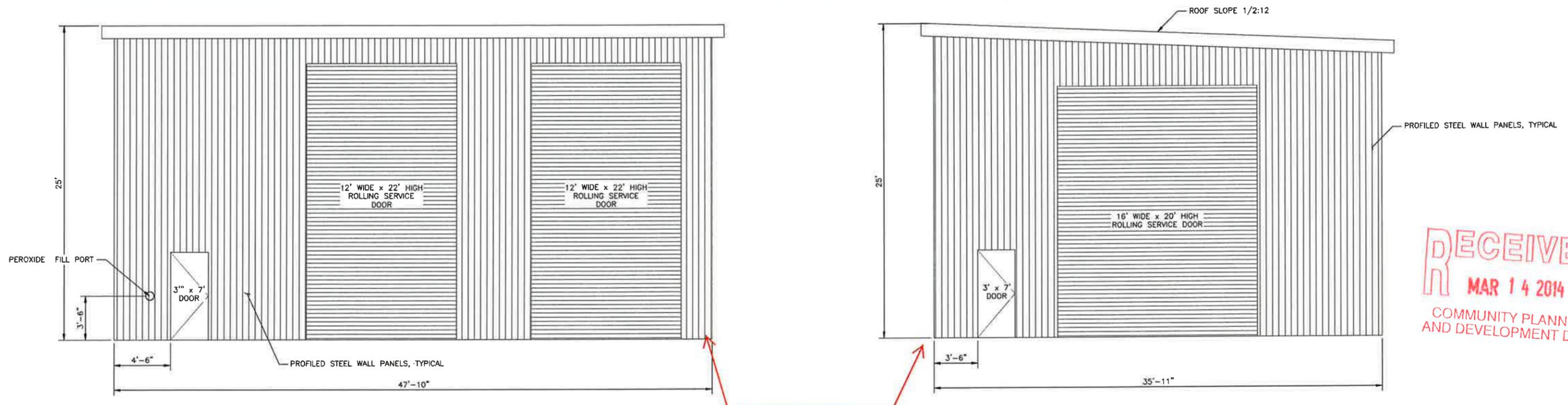


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915 Washington Street NE
Olympia, Washington

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Project Manager
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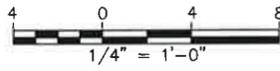
**MARINE TERMINAL
STORMWATER CONVEYANCE AND
TREATMENT IMPROVEMENTS**
TREATMENT FACILITY - SITE SECTIONS

PROJECT NUMBER
ENV1202
CONTRACT NUMBER
2013-1015
SHEET
C37
47 OF 125



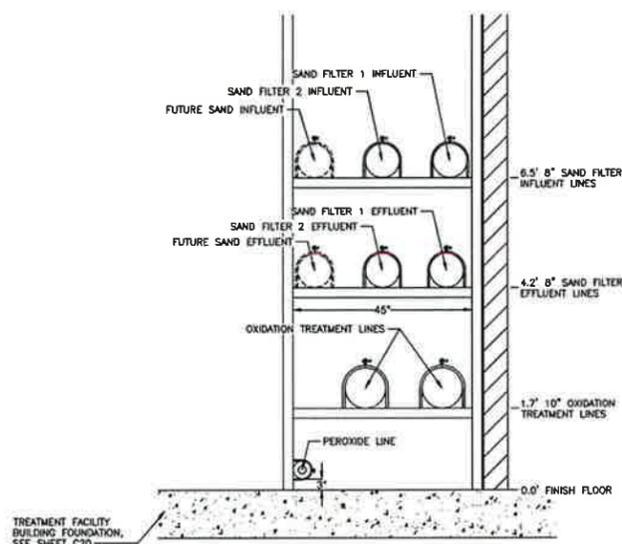
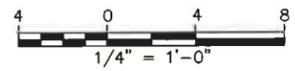
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STORMWATER TREATMENT BUILDING - WEST ELEVATION
 SCALE: 1/4" = 1'-0"



Wall Panel Color is Tundra.
 Roof Panel Color is White.

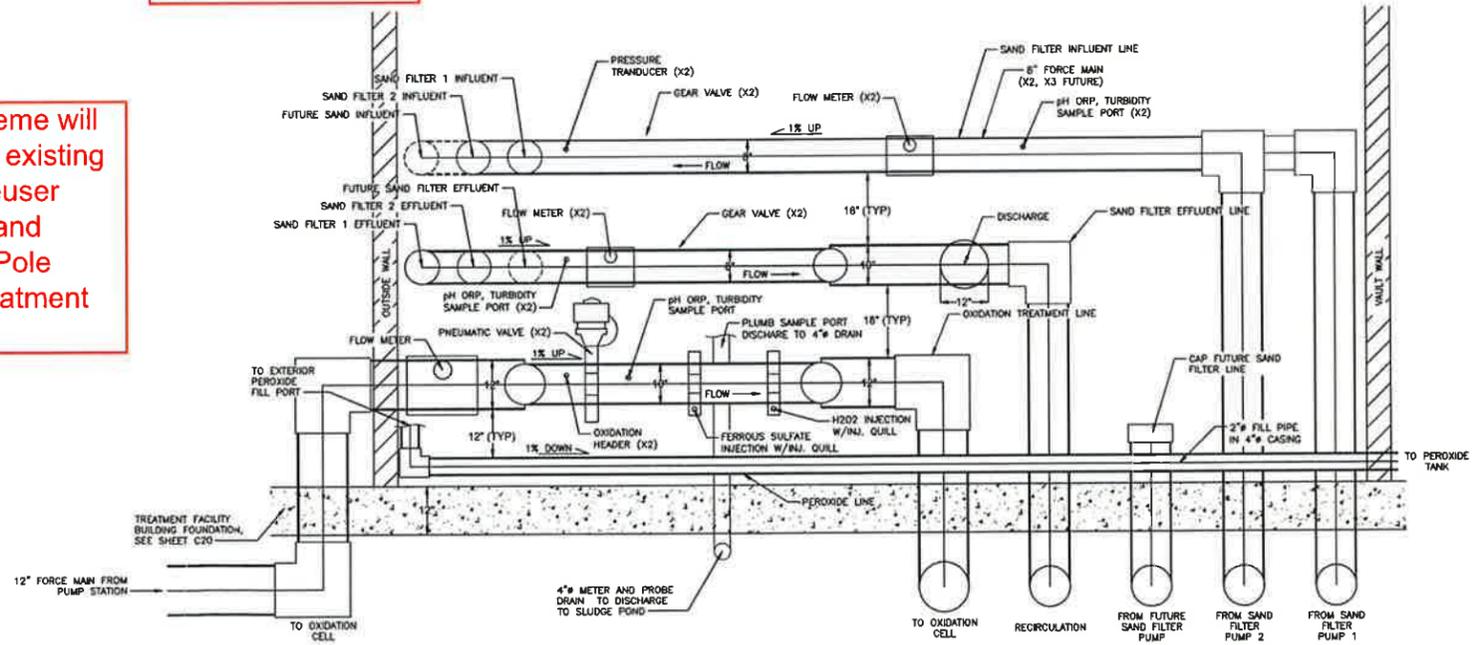
STORMWATER TREATMENT BUILDING - SOUTH ELEVATION
 SCALE: 1/4" = 1'-0"



TREATMENT LINES END VIEW ALONG INTERIOR NORTH WALL
 SCALE: NONE



Color scheme will match the existing Weyerhaeuser buildings and Cascade Pole Water Treatment Plant.



TREATMENT LINES ELEVATION VIEW ALONG INTERIOR NORTH WALL
 SCALE: NONE



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			File:	PLAN AND ELEV - CONTROL BLDG	



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 915 Washington Street NE
 Olympia, Washington

REVIEWED BY: _____ DATE: _____
 Project Manager

**MARINE TERMINAL
 STORMWATER CONVEYANCE AND
 TREATMENT IMPROVEMENTS**
**TREATMENT FACILITY
 BUILDING ELEVATIONS**

PROJECT NUMBER
 ENV1202
 CONTRACT NUMBER
 2013-1016
 SHEET
C53
 63 OF 125