

Oregon Parks and Recreation Commission

June 14, 2023

Agenda Item: **8d**

Action

Public Comment Allowed: **Yes**

Topic: **Beverly Beach GO Bond Utility Improvements Construction Contract**

Presented by: **Rob Morris, Facilities Engineer 3**

Background / Project Description:

- The Beverly Beach Utility Improvements GO Bond Project includes upgrades to the Park's electrical distribution, wastewater collections, and water distribution systems.
- Construction plans, specifications, and a construction cost estimate have been developed by Westech Engineers.
- OPRD would like to proceed with the bid process for construction of the project identified for the GO Bond.
- Improvements to Beverly Beach State Park include:
 - Replacement of the electrical distribution system in the Park, as required by Central Lincoln PUD, upgrading to 3-phase power and moving existing overhead lines underground
 - Improvements to sanitary sewer pump stations
 - Replacement of the water distribution system within the camp loops
- The most recent engineer's estimate is \$6.2 M for the scope described above, which is based on current construction costs seen in recent bids on similar construction projects. This scope has been reduced for cost-effectiveness to remove some previously desired improvements to gravity sewer lines and one sewer pump station.
- Beverly Beach State Park has scheduled Park closure from September 6th to mid-April 2024 to facilitate construction activities. All construction activities are to be completed before the park reopens to camping visitors.
- Proposed construction timeline:
 - Bidding – June 2023 to August 2023
 - Park Shutdown – September 6, 2023
 - Utility Construction – October 2023 to March 2024
 - Park re-open – April 2024

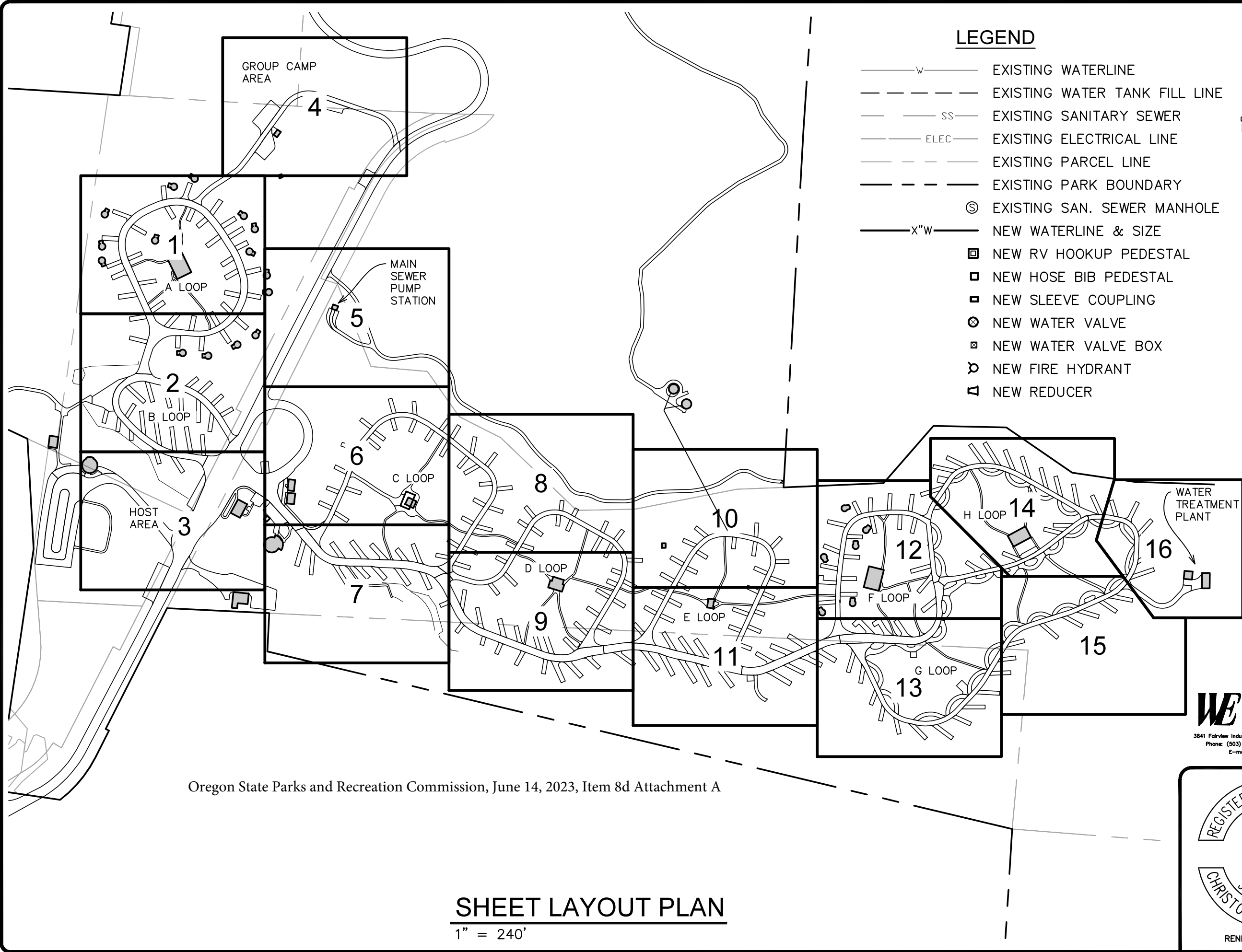
Prior Action by Commission: Approval of Beverly Beach GO Bond Project – Nov 2021 Commission meeting

Action Requested: Approval

Attachments: Sample design sheets: 8d(A) Overall Area of Improvements (C0.3), 8d(B)C Loop Utility Improvements (C2.7), 8d(C) C-Loop Lift Station Improvements (C4.3)

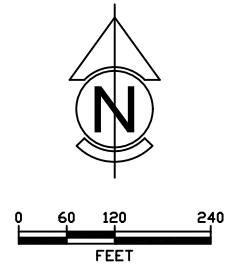
Prepared by: Rob Morris, Facilities Engineer 3

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C:\Westech\DWG\Beverly Beach\Util Sys Impr 2833.4020.0\Civil\PIs\CO.3 Sheet Layout.dwg. (CO.3 tab)



LEGEND

- W — EXISTING WATERLINE
- - - - - EXISTING WATER TANK FILL LINE
- SS — EXISTING SANITARY SEWER
- ELEC — EXISTING ELECTRICAL LINE
- - - - - EXISTING PARCEL LINE
- - - - - EXISTING PARK BOUNDARY
- ⊙ EXISTING SAN. SEWER MANHOLE
- X" W — NEW WATERLINE & SIZE
- ▣ NEW RV HOOKUP PEDESTAL
- ▢ NEW HOSE BIB PEDESTAL
- ▣ NEW SLEEVE COUPLING
- ⊗ NEW WATER VALVE
- ▣ NEW WATER VALVE BOX
- ⊕ NEW FIRE HYDRANT
- ▴ NEW REDUCER

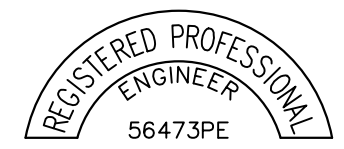


Oregon State Parks and Recreation Commission, June 14, 2023, Item 8d Attachment A

SHEET LAYOUT PLAN

1" = 240'

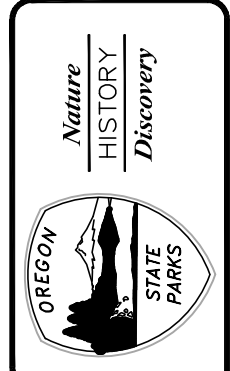
WE
WESTECH ENGINEERING, INC.
 CONSULTING ENGINEERS AND PLANNERS
 3841 FairView Industrial Dr. S.E., Suite 100, Salem, OR 97302
 Phone: (503) 585-2474 Fax: (503) 585-3986
 E-mail: westech@westech-eng.com



RENEWS: 12/31/2023

REVISION	DATE	BY

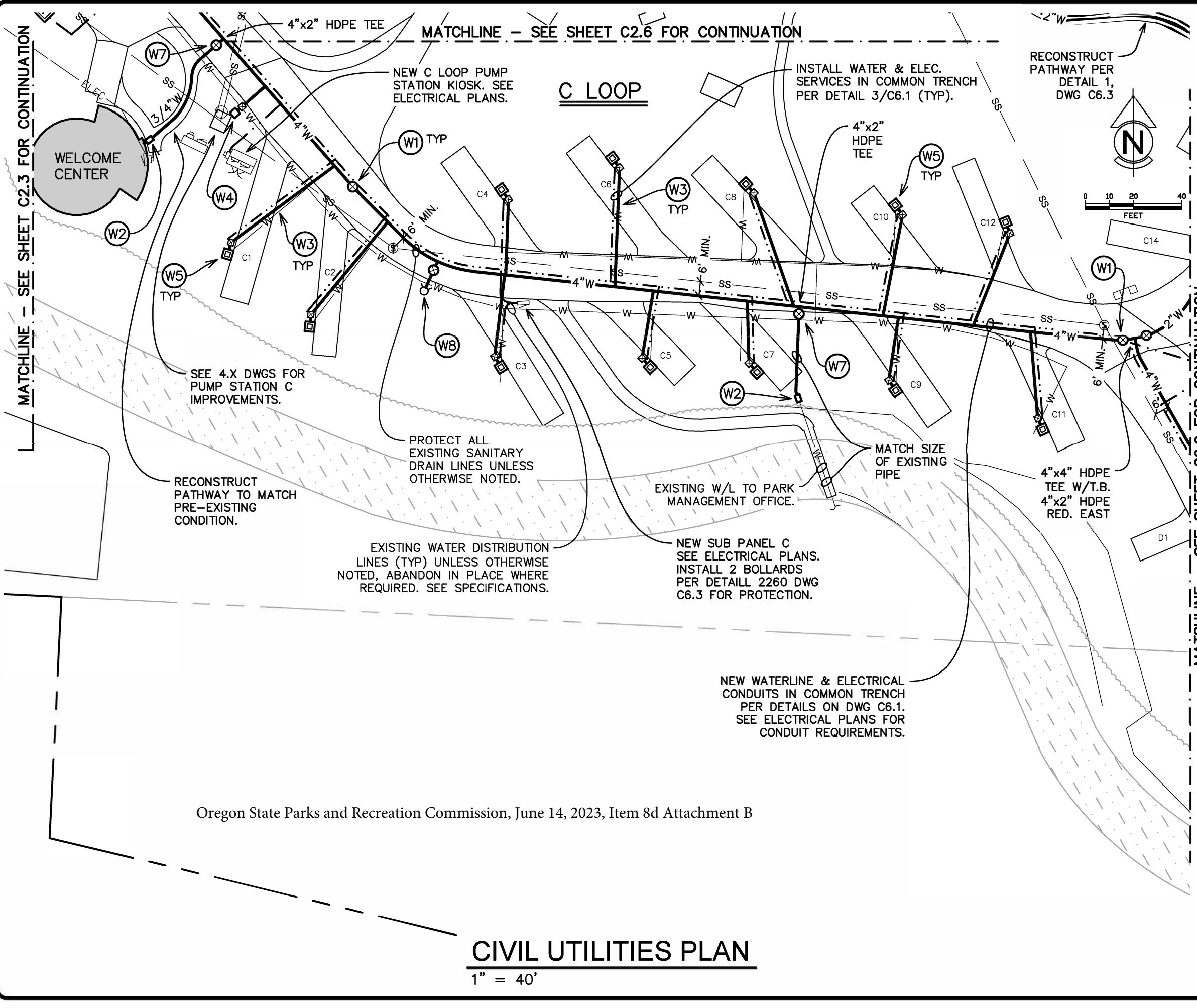
APPROVED BY	CHECKED BY	DESIGNED BY	DRAWN BY
	CB	CB	



SHEET LAYOUT PLAN
 UTILITY SYSTEM IMPROVEMENTS
 BEVERLY BEACH
 OREGON PARKS AND RECREATION DEPARTMENT

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General Note
 1. The locations of the new waterlines, valves, service piping, hose bibs, and RV hookups shown on the drawings are approximate. Prior to construction, verify the locations of all new facilities with the Owner prior to saw cutting paving and excavating any trenches. Mark all locations for new hose bibs and RV hookups with stakes in the field and mark all trenches with locating paint. Verify the locations of all new above-grade facilities and underground piping/conduits with the Owner prior to starting work.

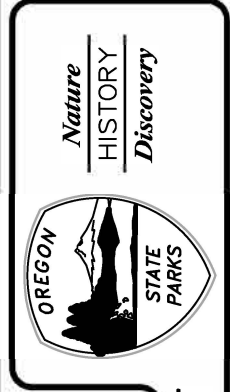
Water System Keynotes

- (W1) Install gate valve and valve box per detail 500 dwg C6.3. Match valve size to pipe size.
- (W2) Pothole existing pipe at connection point. Verify location, size, and depth of existing pipe. Verify connection method with Owner's representative and notify Owner's representative of any conflicts.
- (W3) Install 3/4" HDPE pipe to hose bib or parkmate valve box. See detail 3 dwg C6.2 for mainline connection and detail 1 dwg C6.2 or detail 2 dwg C6.2 for valve box connection.
- (W4) Install valve box and hose bib riser per detail 2 dwg C6.2. Where new hose bib replaces existing hose bib, remove and dispose of the existing mounting post, all above-grade plumbing, remove and dispose of existing below-grade valve box and valve and cut underground pipe on supply side of valve box.
- (W5) Install water valve box and Parkmate riser per detail 1 dwg C6.2. Remove and dispose of the existing water supply plumbing and RV electrical connection for the campsite. Remove and dispose of hose bib mounting post and electrical equipment mounting post. Remove and dispose of all existing above-grade plumbing and all existing above-grade electrical equipment including above-grade conduit to a minimum of 2 feet below ground, remove and dispose of existing below-grade valve box and valve and cut underground pipe on supply side of valve box.
- (W6) Fused HDPE pipe reducer.
- (W7) Install 2 inch gate valve and valve box per detail 500 dwg C6.3 and reduce pipe size on downstream side of valve to match the pipe size where a pipe smaller than 2 inch is shown on the plans.
- (WB) Install hydrant per detail 5030 dwg C6.3.

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BY	
DATE	
REVISION	

APPROVED BY	CB
CHECKED BY	CB
DESIGNED BY	TN/TMT
DRAWN BY	
DATE	MAY 2023

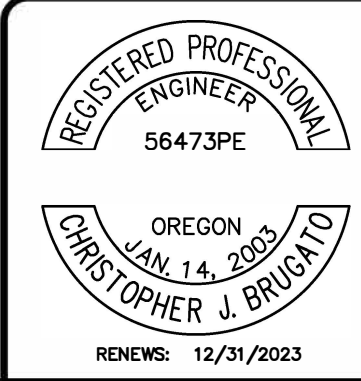


CIVIL UTILITY PLAN - AREA 7
 UTILITY SYSTEM IMPROVEMENTS
 BEVERLY BEACH

OREGON PARKS AND RECREATION DEPARTMENT

Oregon State Parks and Recreation Commission, June 14, 2023, Item 8d Attachment B

CIVIL UTILITIES PLAN
 1" = 40'



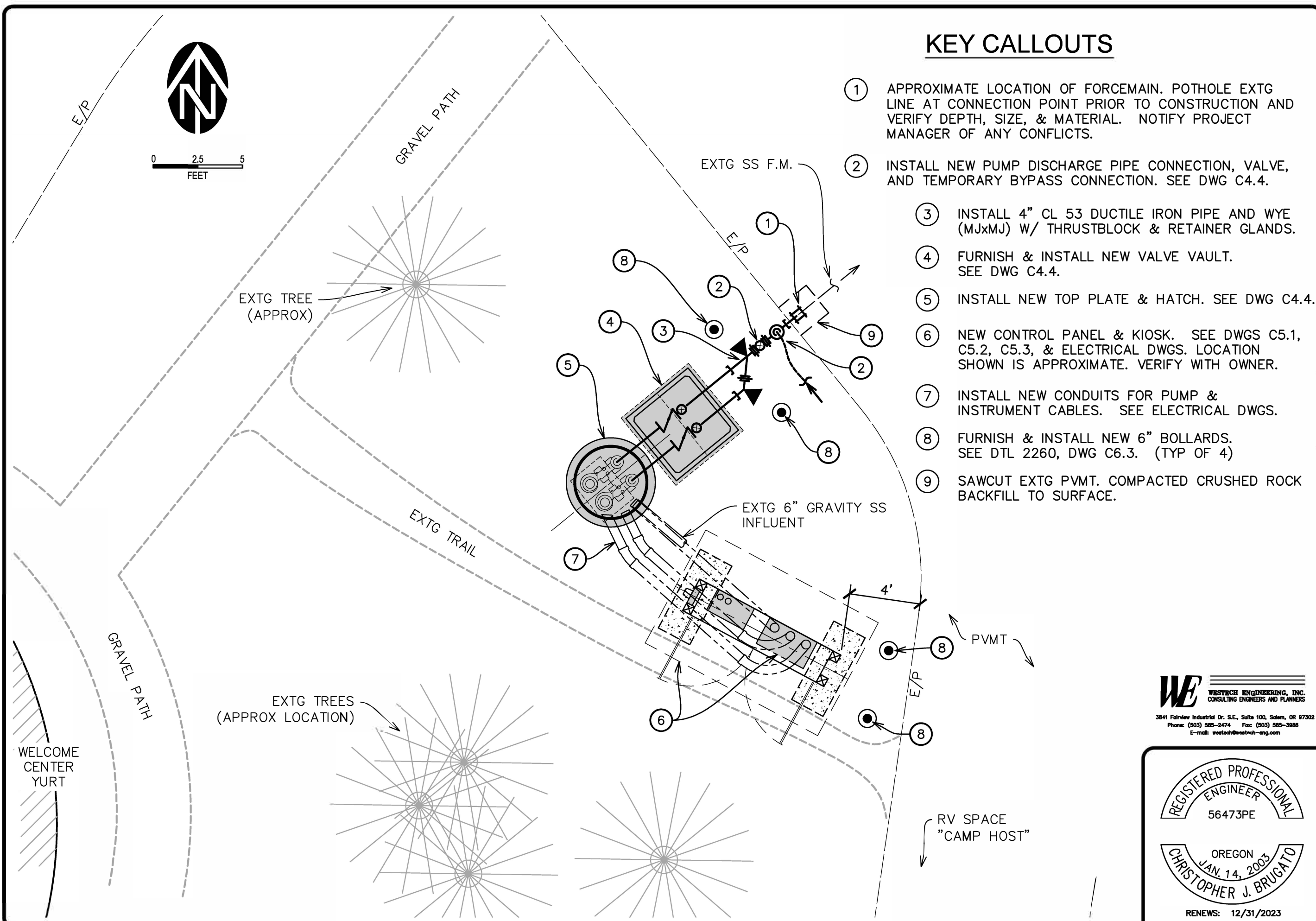
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FEET

KEY CALLOUTS

- ① APPROXIMATE LOCATION OF FORCEMAIN. POT HOLE EXTG LINE AT CONNECTION POINT PRIOR TO CONSTRUCTION AND VERIFY DEPTH, SIZE, & MATERIAL. NOTIFY PROJECT MANAGER OF ANY CONFLICTS.
- ② INSTALL NEW PUMP DISCHARGE PIPE CONNECTION, VALVE, AND TEMPORARY BYPASS CONNECTION. SEE DWG C4.4.
- ③ INSTALL 4" CL 53 DUCTILE IRON PIPE AND WYE (MJxMJ) W/ THRUSTBLOCK & RETAINER GLANDS.
- ④ FURNISH & INSTALL NEW VALVE VAULT. SEE DWG C4.4.
- ⑤ INSTALL NEW TOP PLATE & HATCH. SEE DWG C4.4.
- ⑥ NEW CONTROL PANEL & KIOSK. SEE DWGS C5.1, C5.2, C5.3, & ELECTRICAL DWGS. LOCATION SHOWN IS APPROXIMATE. VERIFY WITH OWNER.
- ⑦ INSTALL NEW CONDUITS FOR PUMP & INSTRUMENT CABLES. SEE ELECTRICAL DWGS.
- ⑧ FURNISH & INSTALL NEW 6" BOLLARDS. SEE DTL 2260, DWG C6.3. (TYP OF 4)
- ⑨ SAWCUT EXTG PVMT. COMPACTED CRUSHED ROCK BACKFILL TO SURFACE.



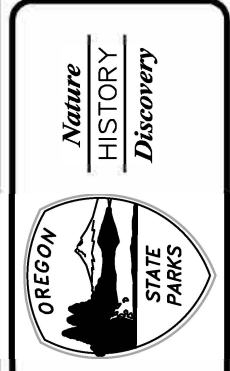
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REGISTERED PROFESSIONAL ENGINEER
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 OREGON
 JAN. 14, 2003
 CHRISTOPHER J. BRUGATO
 RENEWS: 12/31/2023

REVISION	DATE	BY

APPROVED BY	CB
CHECKED BY	CB
DESIGNED BY	TN/TMT
DRAWN BY	
DATE	MAY 2023



CIVIL SITE PLAN
 UTILITY SYSTEM IMPROVEMENTS
 BEVERLY BEACH
 OREGON PARKS AND RECREATION DEPARTMENT

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