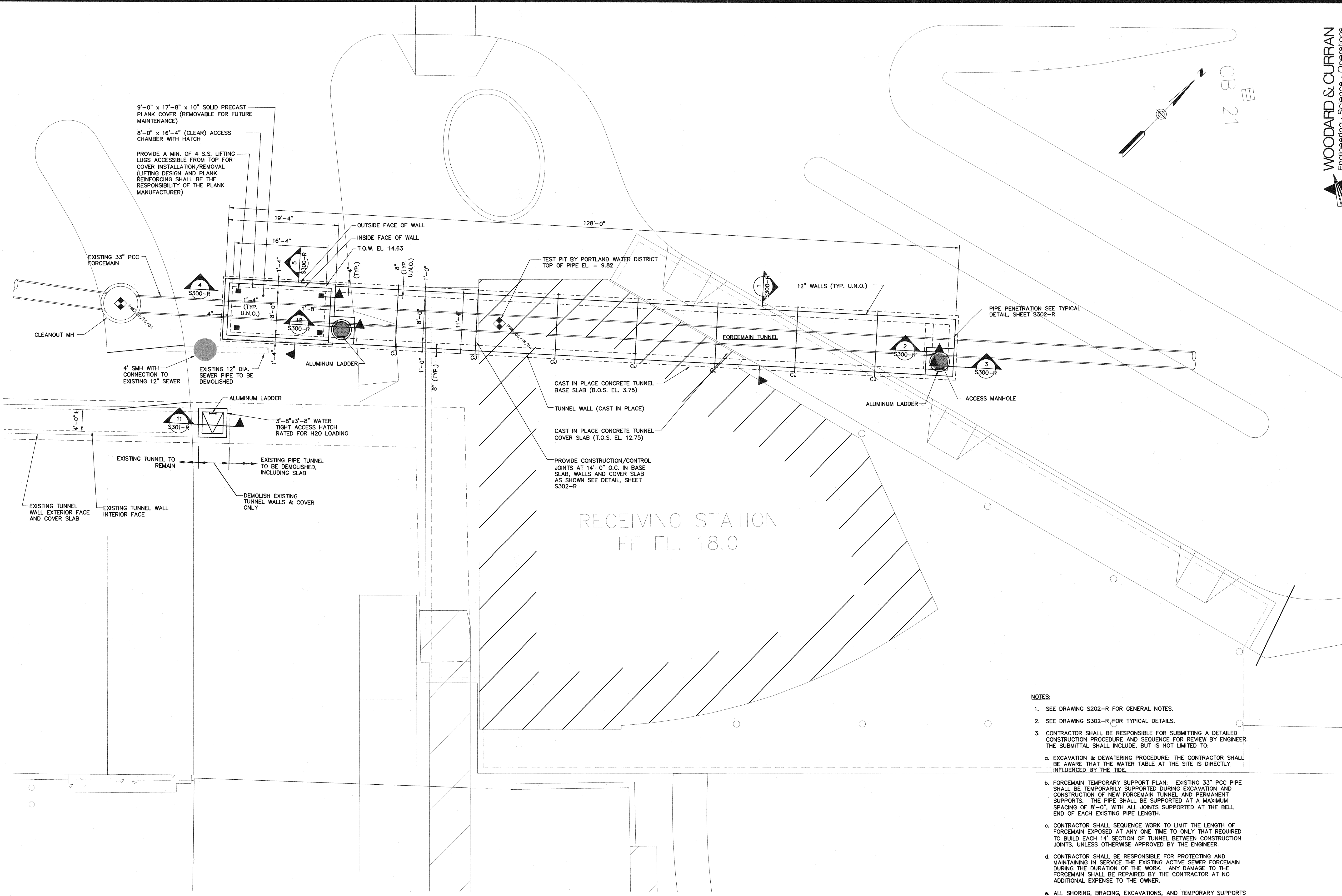


Filename: O:\203438 Ocean Gateway - Phase 1 Engineering\Project Deliverables\2004-10-27, issued for BID\CAD Drawings\Civil\20343802-R-S202.dwg, Oct 08, 2004 - 3:12pm



**RECEIVING STATION FORCEMAIN TUNNEL
FOUNDATION AND GROUND FLOOR PLAN**

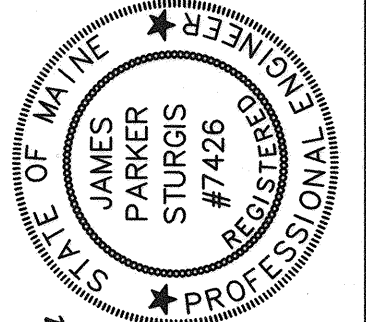
SCALE: 1/8" = 1'-0"

NOTES:

1. SEE DRAWING S202-R FOR GENERAL NOTES.
2. SEE DRAWING S302-R FOR TYPICAL DETAILS.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING A DETAILED CONSTRUCTION PROCEDURE AND SEQUENCE FOR REVIEW BY ENGINEER. THE SUBMITTAL SHALL INCLUDE, BUT IS NOT LIMITED TO:
 - a. EXCAVATION & DEWATERING PROCEDURE: THE CONTRACTOR SHALL BE AWARE THAT THE WATER TABLE AT THE SITE IS DIRECTLY INFLUENCED BY THE TIDE.
 - b. FORCEMAIN TEMPORARY SUPPORT PLAN: EXISTING 33" PCC PIPE SHALL BE TEMPORARILY SUPPORTED DURING EXCAVATION AND CONSTRUCTION OF NEW FORCEMAIN TUNNEL AND PERMANENT SUPPORTS. THE PIPE SHALL BE SUPPORTED AT A MAXIMUM SPACING OF 8'-0", WITH ALL JOINTS SUPPORTED AT THE BELL END OF EACH EXISTING PIPE LENGTH.
 - c. CONTRACTOR SHALL SEQUENCE WORK TO LIMIT THE LENGTH OF FORCEMAIN EXPOSED AT ANY ONE TIME TO ONLY THAT REQUIRED TO BUILD EACH 14' SECTION OF TUNNEL BETWEEN CONSTRUCTION JOINTS, UNLESS OTHERWISE APPROVED BY THE ENGINEER.
 - d. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING AND MAINTAINING IN SERVICE THE EXISTING ACTIVE SEWER FORCEMAIN DURING THE DURATION OF THE WORK. ANY DAMAGE TO THE FORCEMAIN SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER.
 - e. ALL SHORING, BRACING, EXCAVATIONS, AND TEMPORARY SUPPORTS SHALL BE DESIGNED AND STAMPED BY A REGISTERED MAINE PROFESSIONAL ENGINEER. DESIGN AND CALCULATIONS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW.

WOODARD & CURRAN
Engineering • Science • Operations
41 Hutchins Drive • Portland, Maine 04102

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
PROJECT NUMBER 009215.00
PIN 009215.00



James Sturgis
SIGNATURE
P.E. NUMBER 7426
DATE 10-8-04

PROJ. MANAGER	PAUL POTTLE	DATE
DESIGN-DETAILED	JRB	
CHECKED-REVIEWED	JRB	
DESIGN-DETAILED2	JRB	7/26
DESIGN-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

CITY OF PORTLAND
OCEAN GATEWAY PHASE 1
RECEIVING STATION
FORCEMAIN TUNNEL PLAN

S203-R