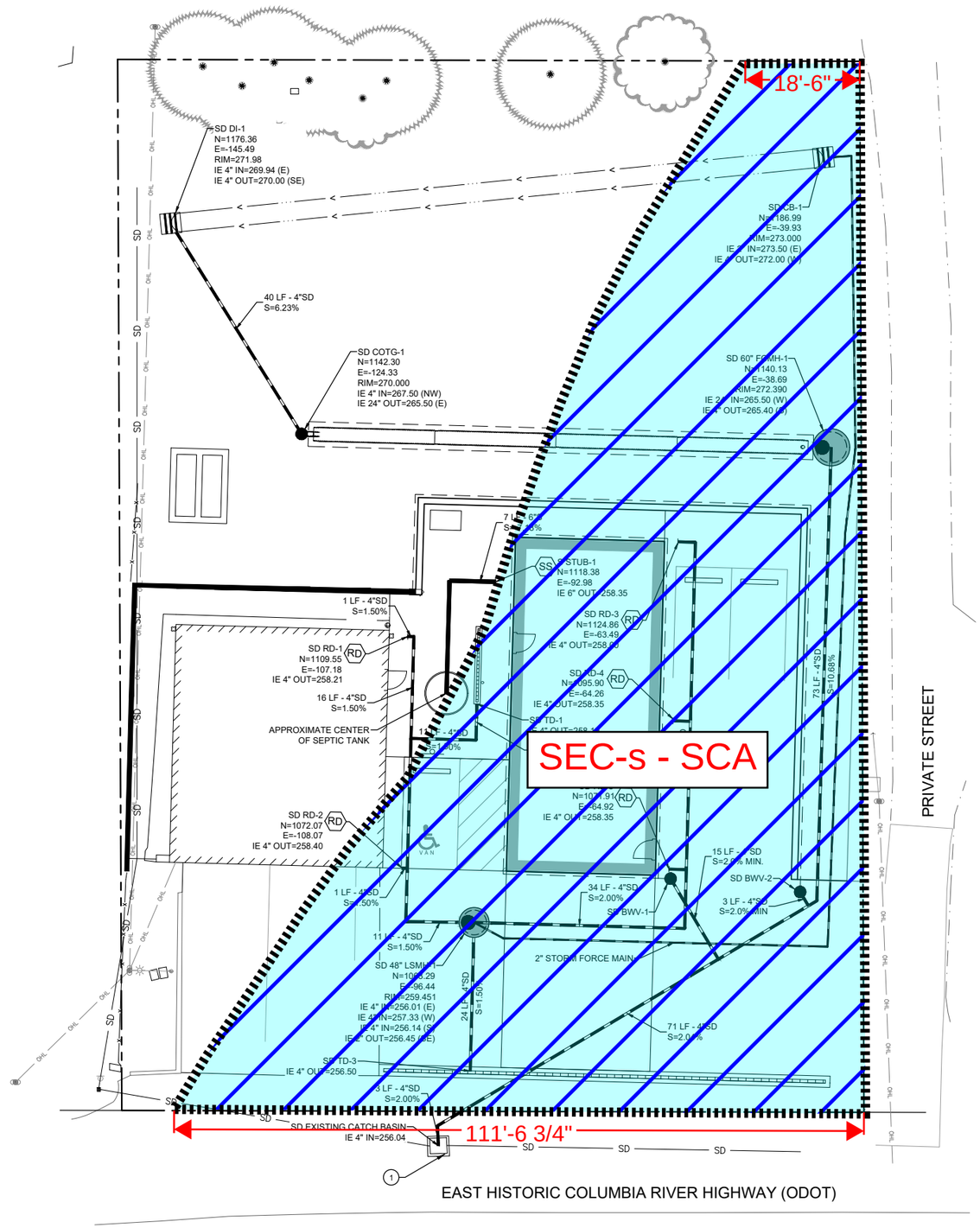

SHEET NOTES

1. PIPE BEDDING AND BACKFILL FOR ALL UTILITIES SHALL BE DONE PER DETAIL X/C5.X.
2. STRUCTURES LOCATIONS ARE BASED ON CENTER OF STRUCTURE.

KEY NOTES

1 FIELD VERIFY LOCATION AND IE OF EXISTING CATCH BASIN PRIOR TO CONSTRUCTION.

UTILITY LABEL LEGEND

STRUCTURE LABEL

UTILITY TYPE (SD=STORM DRAINAGE, S=SANITARY SEWER, W=WATER, FP=FIRE PROTECTION)
STRUCTURE TYPE CALLOUT
ID NUMBER (WHERE APPLICABLE)

XX XX-XX
N=XX.XX ← LOCATION (WHERE APPLICABLE)
E=XX.XX
RIM=
IE IN = XX.X
IE OUT = XX.X ← STRUCTURE INFO (WHERE APPLICABLE)

PIPE LABEL

UTILITY LENGTH
UTILITY SIZE
UTILITY TYPE

XXLF - XX" XX

S=X.XX%
SLOPE (WHERE APPLICABLE)

STRUCTURE TYPE

CALLOUT	DESCRIPTION	DETAIL REF.
BEND	BEND, USE FITTING IF APPLICABLE	
BWV	BACKWATER VALVE	
CB	CATCH BASIN	
COTG	CLEANOUT TO GRADE	
CONN	CONNECTION	
DI	DITCH INLET	
FCMH	FLOW CONTROL MANHOLE	
FD	FOUNDATION DRAINAGE POINT OF CONN.	
GV	GATE VALVE	
LSMH	LIFT STATION MANHOLE	
TD	TRENCH DRAIN	
TEE	TEE CONNECTION	
WYE	WYE CONNECTION	

SHEET LEGEND

RD CONNECT TO STORM DRAIN/ROOF DRAIN. SEE PLUMBING PLANS FOR CONTINUATION. SIZE AND IE AS NOTED.

SS CONNECT TO SANITARY SEWER LINE. SEE PLUMBING PLANS FOR CONTINUATION. SIZE AND IE AS NOTED.

!! UTILITY CROSSING. PROVIDE 12" MIN. CLEARANCE, U.N.O.

SCALE 1 INCH = 10 FEET
10 0 10 20

FROELICH ENGINEERS
CIVIL · STRUCTURAL
Portland, OR. | Bend, OR. | Denver, CO.
(503) 624-7005

PRELIMINARY NOT FOR CONSTRUCTION

SPRINGDALE FIRE STATION IMPROVEMENTS

31727 EAST HISTORIC COLUMBIA RIVER HWY
TROUTDALE, OR. 97019

LAND USE SET

REV	DATE	ISSUE TITLE

PROJECT MANAGER:	EME
DESIGNER:	EME
DRAWN BY:	EEYKELBOSCH
PROJECT NO:	---
DATE:	10/11/24
SCALE:	AS SHOWN

SHEET TITLE:
UTILITY PLAN

SHEET NUMBER:
C4.00
LAND USE SET

Exhibit B.13

File: P:\2023\23-C021 (Springdale Fire Station Improvements)\300 Document Development - Froelich\302 CAD\PLOT\23_C021_C4.00_UTIL.dwg T48-C4.00

Plotted: 10/10/24 at 5:57pm By: eeykelbosch