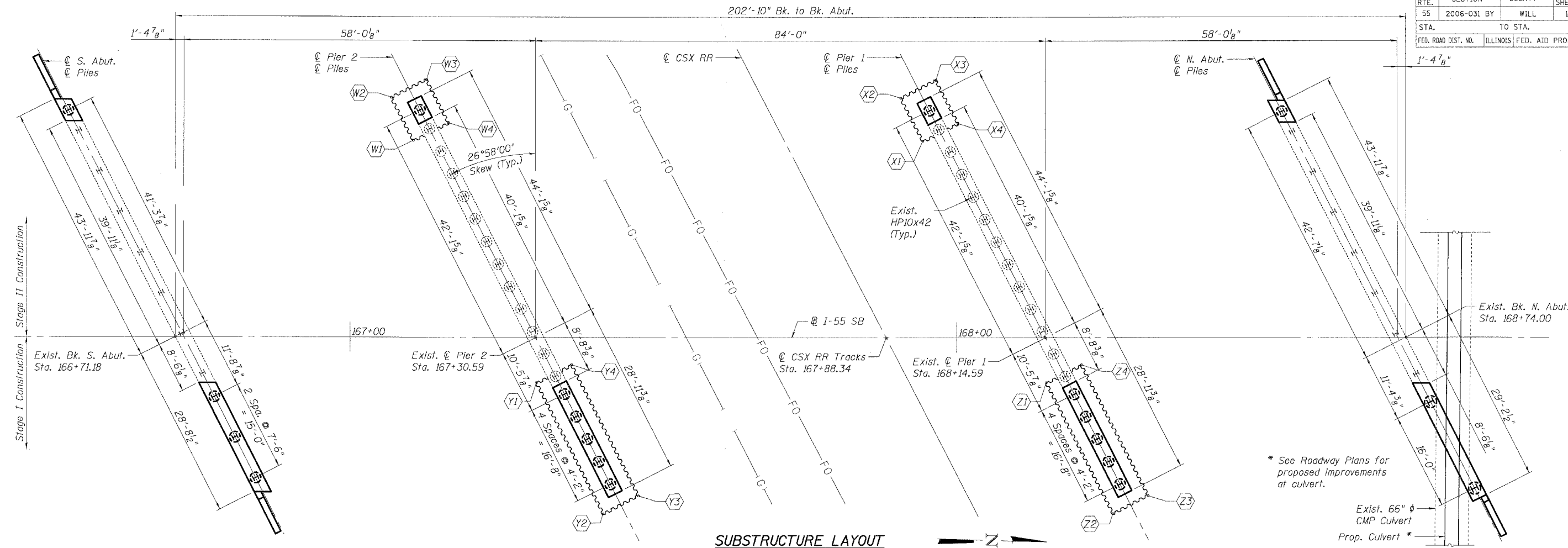
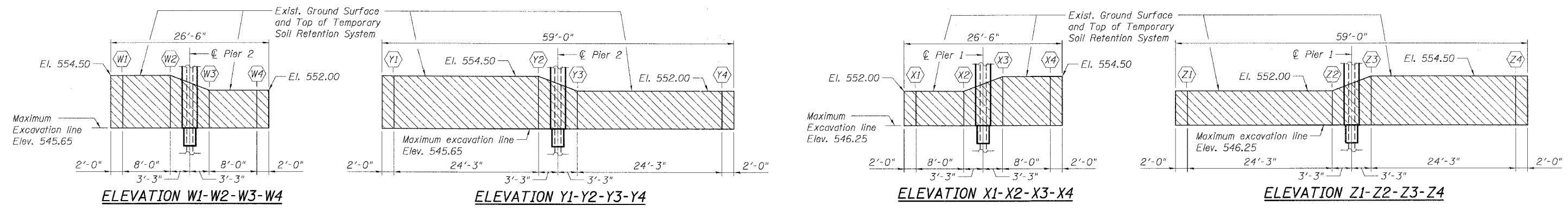


F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2006-031 BY	WILL	137	67
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



**SUBSTRUCTURE LAYOUT**



**ELEVATION W1-W2-W3-W4**

**ELEVATION Y1-Y2-Y3-Y4**

**ELEVATION X1-X2-X3-X4**

**ELEVATION Z1-Z2-Z3-Z4**

**TEMPORARY SOIL RETENTION SYSTEM LOCATIONS**

(Reference @ I-55 SB)

STAGE I			STAGE II		
Location	Station	Offset (ft.)	Location	Station	Offset (ft.)
Y1	167+30.72	7.45 Rt.	W1	167+10.39	32.51 Lt.
Y2	167+41.72	29.06 Rt.	W2	167+06.77	39.64 Lt.
Y3	167+47.51	26.11 Rt.	W3	167+12.56	42.59 Lt.
Y4	167+36.52	4.50 Rt.	W4	167+16.19	35.46 Lt.
Z1	168+14.72	7.45 Rt.	X1	167+94.37	32.75 Lt.
Z2	168+25.72	29.06 Rt.	X2	167+90.87	39.66 Lt.
Z3	168+31.51	26.11 Rt.	X3	167+96.66	42.60 Lt.
Z4	168+20.52	4.50 Rt.	X4	168+00.17	35.68 Lt.

**TEMPORARY SOIL RETENTION SYSTEM DEVELOPED ELEVATIONS**

A cantilevered sheet piling design does not appear feasible and additional members or other retention systems may be necessary. The Contractor shall submit a temporary soil retention system design including plan details and calculations for review and acceptance by the Engineer.

**LEGEND:**

- G— Gas Line
- FO— Fiber Optic Line
- Theoretical Limits and Pay Limits of Temporary Soil Retention System

**SHT. SA-4 OF 21**

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 FAT ROUTE 55 (OVER CSX RR AND SUNNYLAND DRAIN)  
 BRIDGE WIDENING  
 SB I-55 OVER CSX RAILROAD, S.N. 099-0312  
 STA. 167+72.58, SECTION 2006-031 BY  
 WILL COUNTY

**SUBSTRUCTURE LAYOUT  
 TEMPORARY SOIL RETENTION**

SCALE: DRAWN BY MDB  
 DATE 07/07/06 CHECKED BY MJK

**TENG**  
 TENG & ASSOCIATES, INC.  
 ENGINEERS/ARCHITECTS/PLANNERS  
 CHICAGO, ILLINOIS

PLOT DATE = 07/07/06  
 PLOT SCALE = AS SHOWN  
 USER NAME = USER  
 I:\DOCUMENT\2006\2006-031\BRIDGE\SUBSTRUCTURE\SI\091\ARL\SH