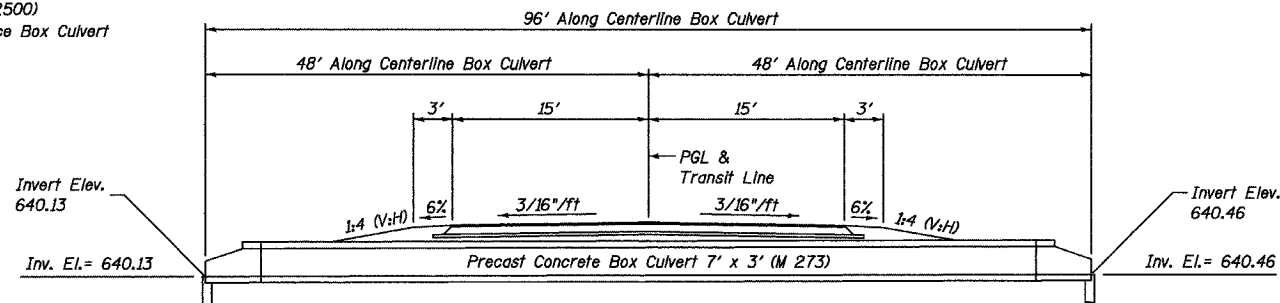


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
41	12-1	KANKAKEE	21	9
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. _____		ILLINOIS FED. AID PROJECT		

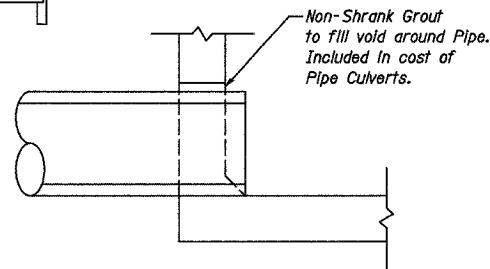
BENCHMARK:
RAILROAD SPIKE IN POWER POLE
STA 1186+79.32, 57.70' LT.
Elev. 643.76

Existing Structure: (SN 046-2500)
8' x 3' x 64'-4" Cast In Place Box Culvert
to be removed.



LONGITUDINAL SECTION

All Dimensions At Rt. L's To Transf Line Unless Noted

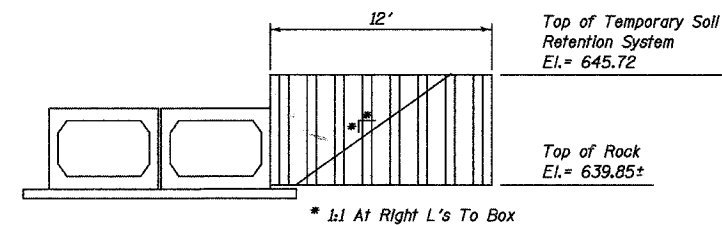


SECTION A

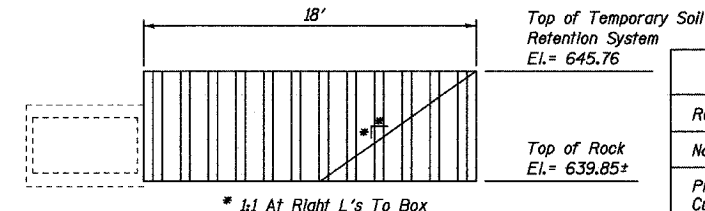
STATION 1187+80
BUILT 200_ BY
STATE OF ILLINOIS
F.A.P. 41 SECTION 12 I
LOADING HS-20
STR. NO. 046-2550

NAME PLATE

SEE STD. 515001



STAGE III TEMPORARY SOIL RETENTION SYSTEM

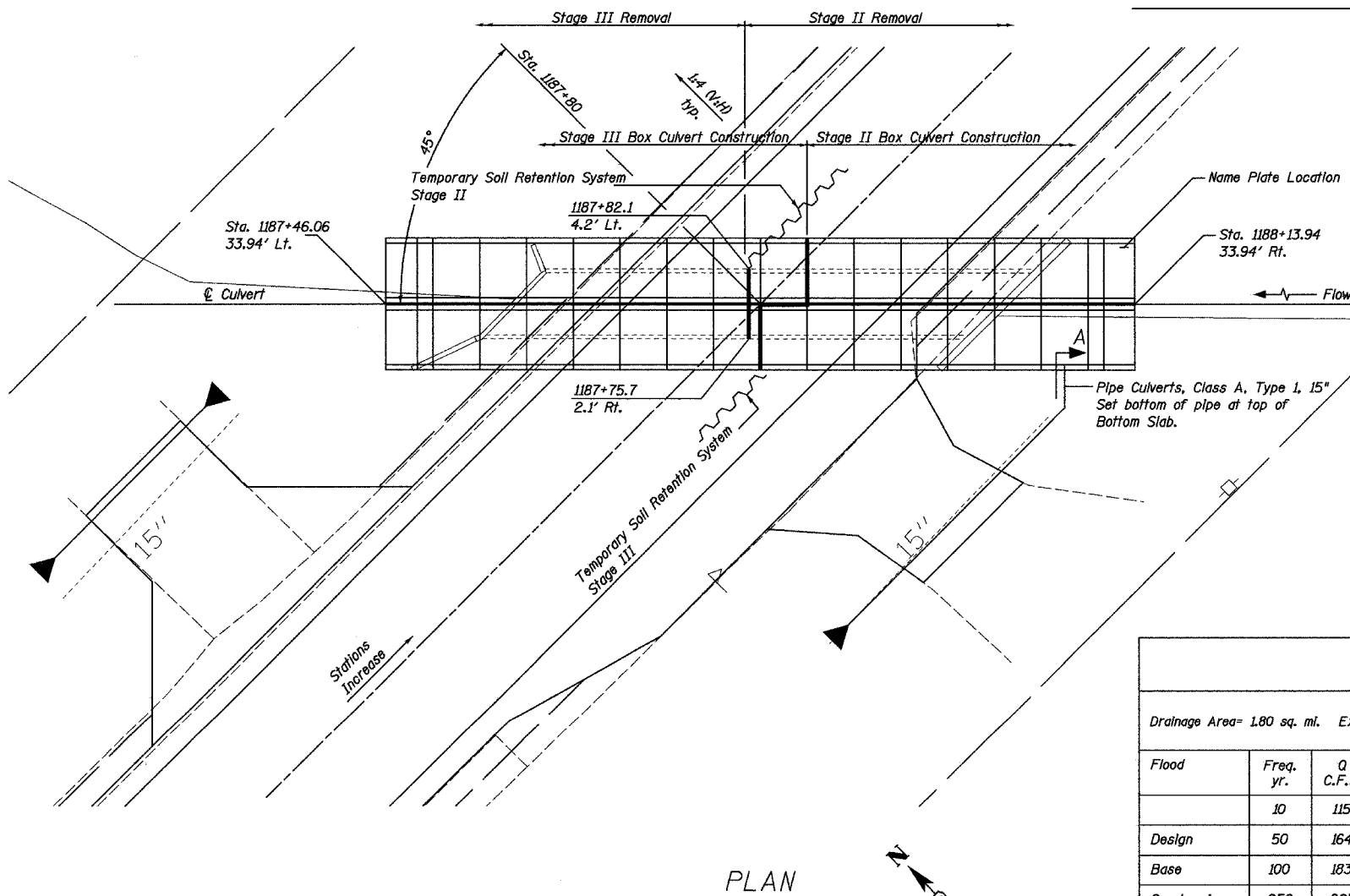


STAGE II TEMPORARY SOIL RETENTION SYSTEM

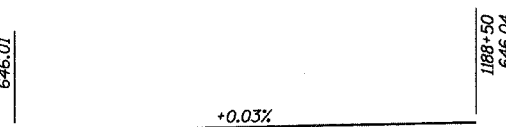
GENERAL NOTES:

1. A cantilevered sheet piling design does not appear feasible and additional members of 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.
2. See sheet 14 for details for Grating for Precast Box Culvert End Sections.
3. See sheet 15 for Section Through Precast Box Culvert.
4. See sheet 15 for pay length for Precast Concrete Box Culvert.
5. See sheets 12 & 13 for additional details.
6. Work this sheet with sheets 7 & 8 for Staged Construction Details.

BILL OF MATERIALS		
Removal of Existing Structures	Each	1
Name Plates	Each	1
Precast Concrete Box Culvert 7' x 3' (Special)	Foot	168
Rock Excavation for Structures	Cu Yd	59
Precast Concrete Box Culvert End Sections 7' x 3' (Special)	Each	4
Temporary Soil Retention System	Sq Ft	115
Grating for Precast Concrete Box Culvert End Section 7' x 3'	Each	4
Porous Granular Embankment	Cu Yd	169



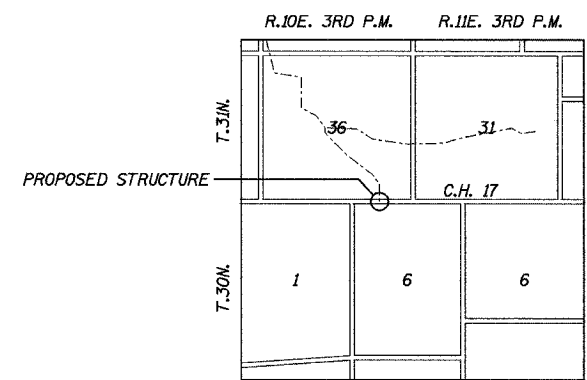
PLAN



PROFILE GRADE

WATERWAY INFORMATION									
Drainage Area= 1.80 sq. mi. Exist. Low Grade El.= 645.74 @ Sta. 1186+00 Prop. Low Grade El.= 645.94 @ Sta. 1186+00									
Flood	Freq. yr.	Q C.F.S.	Opening - sq. ft.		Nat. H.W.E.	Head - ft.		Headwater El.	
			Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
Design	50	164	21	42	643.4	1.2	0.3	644.6	643.7
Base	100	183	22	42	643.5	1.6	0.4	645.1	643.9
Overtopping	250	205	24		643.6	2.2		645.8	
Max. Calc.	500	226		42	643.7		0.6		644.3

10 year velocity through proposed structure= 2.7 fps



LOCATION SKETCH

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
GENERAL PLAN
FAP 41 (IL 17)
SECTION 12 I
KANKAKEE COUNTY
STRUCTURE NO. 046-2550
SCALE: VERT. 1"= 10'
HORIZ. 1"= 10'
DATE: 10/07
DRAWN BY: L.A.G.
CHECKED BY: J.K.C.