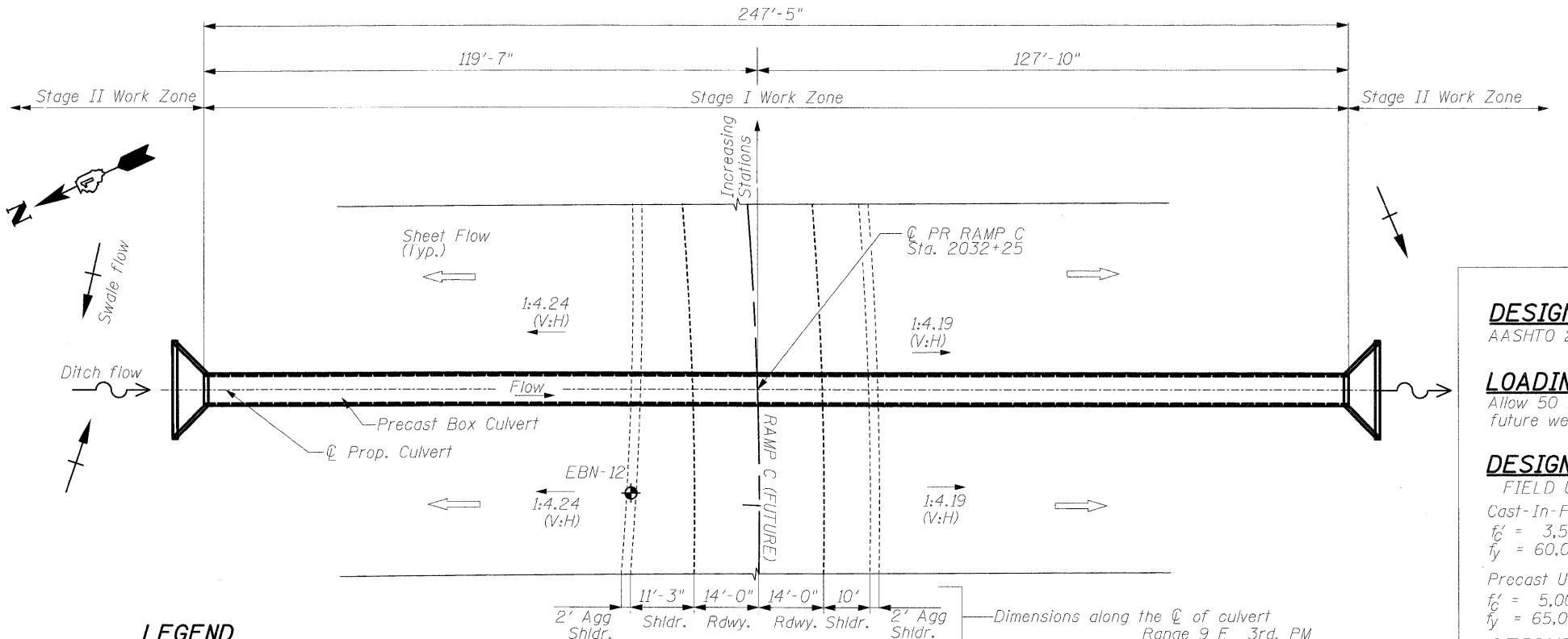
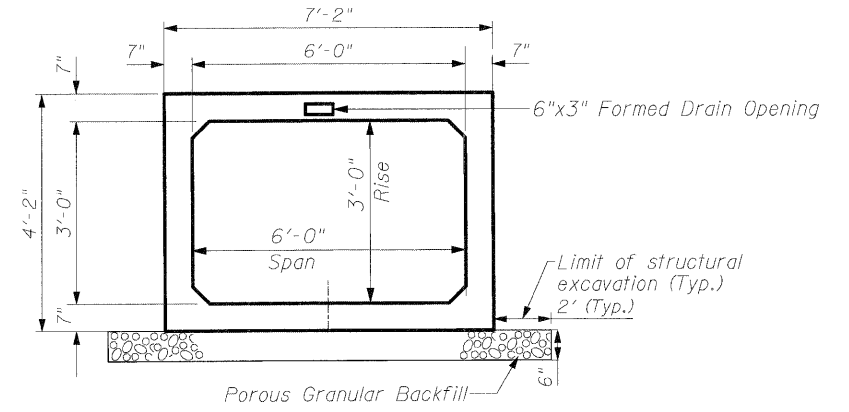
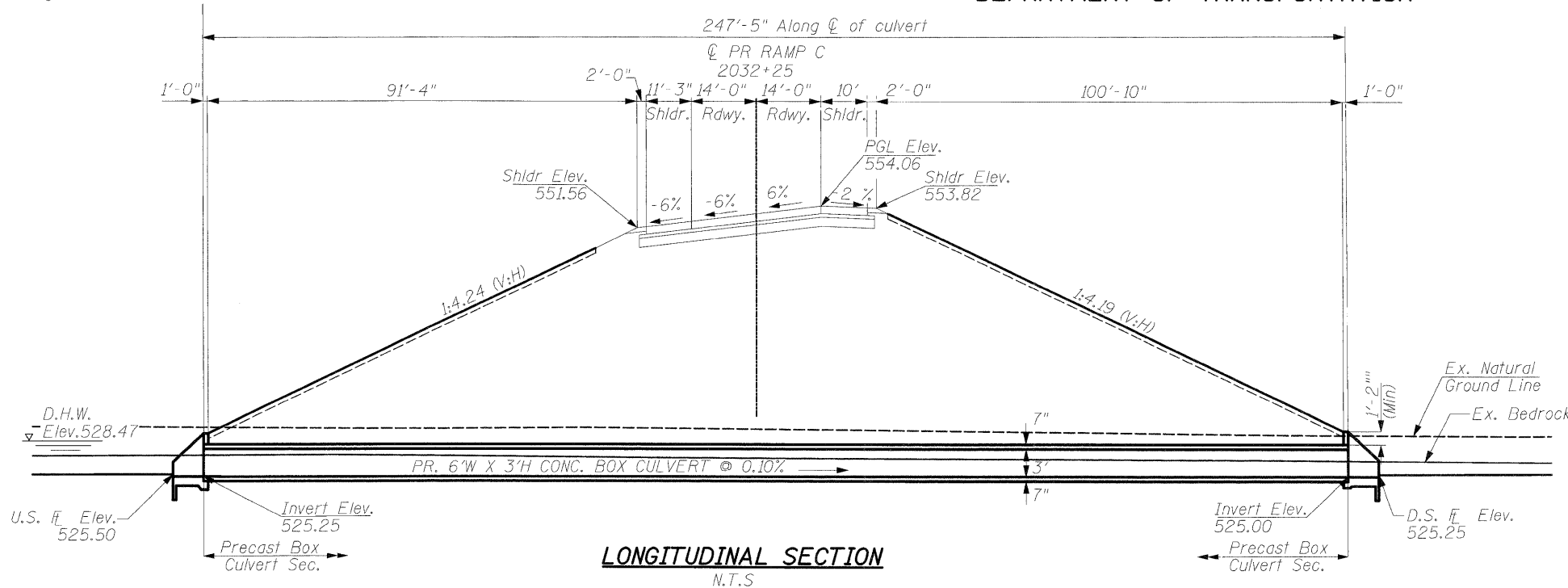


Bench Mark: BM 2
 (RR spike in 1st power pole North of CPT 203 ±1' above ground. Elev.= 529.734)
 Existing Structures: None

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION



CURVE DATA
 Ramp C
 P.I. Station 2037+82.40
 Delta = 132° 56' 23" (LT)
 Degree = 6° 51' 42"
 Tangent = 1,917.61'
 Length = 1,937.40'
 Radius = 835.00'
 External = 1,256.52'
 Long Chord = 1,531.14'
 Mid. Ord. = 501.64'
 P.C. Station 2018+64.79
 P.T. Station 2038+02.19

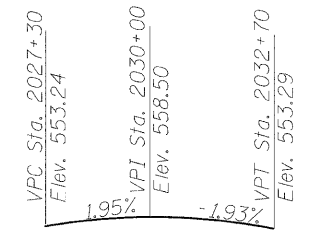
DESIGN SPECIFICATIONS
 AASHTO 2002

LOADING HS-20-44
 Allow 50 lbs/sq. ft. for future wearing surface.

DESIGN STRESSES
 FIELD UNITS
 Cast-In-Place Units
 $f'_c = 3,500$ psi (Concrete)
 $f_y = 60,000$ psi (Reinforcement)

Precast Units
 $f'_c = 5,000$ psi (Concrete)
 $f_y = 65,000$ psi (Welded Wire Fabric)

SEISMIC DATA
 Seismic Performance Zone (SPC) = A
 Bedrock Acceleration Coeff.(A) = 0.04g
 Site Coefficient (S) = 1.0



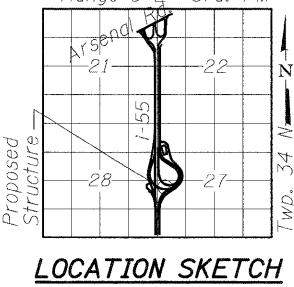
**GENERAL PLAN & ELEVATION-RAMP C
 OVER UNNAMED DITCH
 F.A.I. ROUTE 55 - SEC. (99-1&2)AC-3
 WILL COUNTY
 STATION 2032+25**

LEGEND
 - Soil Boring Location

WATERWAY INFORMATION

Drainage Area = 0.1519 sq. mi. Low Grade Elev. 552.51 @ Sta. 2032+25 Ramp C

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	80	N/A	16.1	527.57	N/A	0.90	N/A	528.47
Base	100	106	N/A	18.0	527.92	N/A	1.26	N/A	529.18
Overtopping		150							



SINGH
 SINGH & ASSOCIATES, INC.
 CONSULTING ENGINEERS
 300 W. ADAMS ST.
 CHICAGO, IL 60606
 TEL: (312) 629-0240
 FAX: (312) 629-8449

SHEET NO. SHEETS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	55	(99-1&2)AC-3	WILL	524	336
Sta. 2032+25 (Ramp C)			CONTRACT NO. 60C31		
FED. RD. DIST. NO. 1 ILLINOIS FED. AID PROJECT					

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