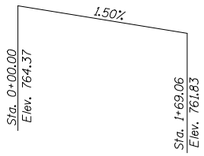
EXISTING STRUCTURE: No Existing Structure

BENCHMARK ELEV. = 759.26 Chiseled square in top center of west headwall of 24" x 18" concrete box culvert at approx. Sta. 379+93, 30' LT.



Profile Grade
Along ℄ TR 547 Roadway

STATION 0+76.31
BUILT 201_ BY
STATE OF ILLINOIS
F.A.P. RT. 71 SEC. 121R
LOADING HS 20
STRUCTURE NO. 057-2048

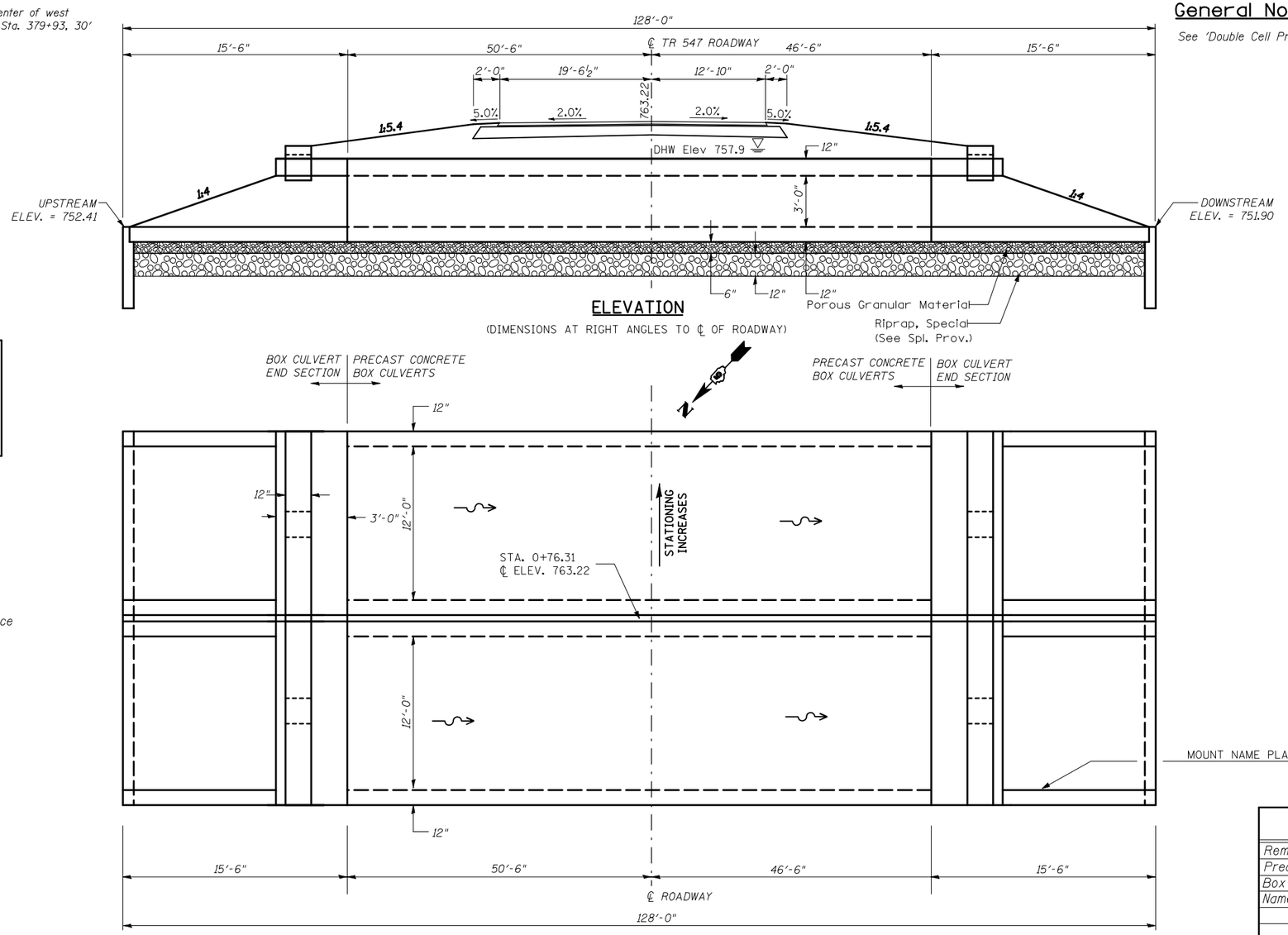
NAME PLATE
See Std. 515001

DESIGN SPECIFICATIONS
2002 AASHTO

LOADING HS20-44
Allow 50#/sq.ft. for future wearing surface

DESIGN STRESSES
FIELD UNITS
f'c = 3,500 psi
fy = 60,000 psi (reinforcement)
fy = 65,000 psi (welded wire fabric)

PRECAST UNITS
f'c = 5,000 psi
fy = 65,000 psi (welded wire fabric)



PLAN

General Notes
See 'Double Cell Precast Box Culvert End Sections' for end section details.

TOTAL BILL OF MATERIAL

Item	Unit	Total
Removal of Existing Structures No. 2	Each	1
Precast Concrete Box Culverts 12'x3'	Foot	194
Box Culvert End Sections, Culvert No.2	Each	2
Name Plates	Each	1

WATERWAY INFORMATION TABLE

Route:	TR 547	Existing S.N.:	SLD 6.68 LT - No Structure Exists
Section:	121R	Proposed S.N.:	057-2048
County:	McLean	Waterway:	Unnamed Tributary of Salt Creek
Date:	4/30/2009	By:	GMS

Existing Low Grade Elev. = N/A @ Sta.

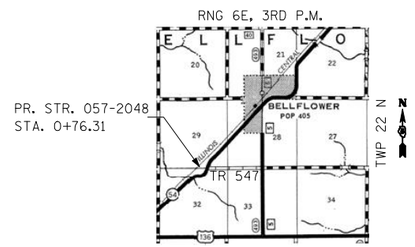
Drainage Area = 0.5 mi.² Proposed Low Grade Elev. = 761.38 @ Sta. 2+29

Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft. Existing	Opening Sq. Ft. Proposed	Natural H.W.E.	Head - Ft. Existing	Head - Ft. Proposed	Headwater Elevation Existing	Headwater Elevation Proposed
	10	244	N/A	72		N/A		N/A	756.6
Design	50	414	N/A	72		N/A		N/A	757.9
Base	100	493	N/A	72		N/A		N/A	758.5
Overtopping									
Max. Calc.	500	688	N/A	72		N/A		N/A	760.0

10 YEAR VELOCITIY THROUGH EXISTING BRIDGE : N/A 10 YEAR VELOCITIY THROUGH PROPOSED BRIDGE : 3.39 ft/s

Design Scour Elevation Table

Design Scour Elevation (ft.)	Upstream	Downstream
	749.41	748.91



LOCATION SKETCH

GENERAL PLAN AND ELEVATION
DOUBLE 12'x3' PRECAST BOX CULVERT
F.A.P. ROUTE 71 - SECTION 121R
MCLEAN COUNTY
STATION 0+76.31 S.N. 057-2048
CULVERT NO. 2

FILE NAME = c:\pw_work\pwidot\keysrb\d0101441\D70592-sht-BoxCulverts.dgn	USER NAME = keysrb	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL PLAN AND ELEVATION PROPOSED CULVERT NO. 2 – STR. NO. 057-2048
	PLOT SCALE = 44.0000 ' / IN.	CHECKED -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.
	PLOT DATE = 10/16/2009	DATE -	REVISED -		

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
71	121R	MCLEAN	87	32
		CONTRACT NO. 70592		
	ILLINOIS FED. AID PROJECT			