



- ① STA. 12+81.76, 23.48' LT
 PRECAST REINFORCED CONCRETE PIPE
 DROP INLET WITH THROAT AND COVER,
 SEE VTRANS STD D-1 FOR DETAILS
 INV. IN = 434.50
 INV. OUT = 430.10
 INSTALL WITH INLETS ON EAST & WEST
- ② STA. 12+81.76, 23.48' LT TO
 STA. 12+82.44, 16.00' LT
 15" CPEP (SL) (6'-0")
 INV. IN = 430.10
 INV. OUT = 430.00
- ③ STA. 12+97.66, 22.50' RT
 PRECAST REINFORCED CONCRETE PIPE
 DROP INLET WITH THROAT AND COVER,
 SEE VTRANS STD D-1 FOR DETAILS
 INV. IN = 434.00
 INV. OUT = 430.10
 INSTALL WITH INLET ON SOUTH & WEST
- ④ STA. 12+97.66, 22.50' RT TO
 STA. 12+97.75, 16.00' RT
 15" CPEP (SL) (5'-0")
 INV. IN = 430.10
 INV. OUT = 430.00

STONE FILL, TYPE IV AND
 FHWA CLASS VII RIPRAP
 OVERLAY WITH 2'-0" NATURAL
 STREAMBED MATERIAL AND
 6" GRUBBING MATERIAL
 ABOVE OHW (TYP.)

BEGIN US 5 BURIED STRUCTURE
 CHANNEL STA. 11+11.25
 US RT. 5 STA. 86+34.04, 75.22' LT

- (1)
 DELTA = 27°36'20"
- (2)
 DELTA = 27°47'43"
- CURVE (3)
 DELTA = 27°23'08"
 D = 54°34'03"
 R = 105.00'
 T = 25.58'
 L = 50.19'
 E = 3.07'

CHANNEL STA. 11+92.96 =
 US RT. 5 STA. 86+02.11

BEGIN CULVERT
 BRIDGE NO. 116
 STA. 85+82.01
 F.G. = 470.18

ACCESS ROAD, SEE
 WP 3.3.2.2 FOR DETAILS
 (TYP.)

END CULVERT
 BRIDGE NO. 116
 STA. 86+22.21
 F.G. = 472.02

END CULVERT
 BRIDGE NO. 524.50
 STA. 2362+06.74
 F.G. = 484.55

EXISTING STRUCTURE, TO BE
 REMOVED WITHIN OPEN
 EXCAVATION LIMITS, FILLED
 WITH FLOWABLE FILL IN
 OTHER AREAS (TYP.)

END WACR BURIED STRUCTURE
 CHANNEL STA. 14+40.00
 WACR STA. 2361+85.43, 66.81' RT

CHANNEL STA. 13+74.33 =
 WACR STA. 2361+87.67 (MP 59.43)

BEGIN CULVERT
 BRIDGE NO. 524.50
 STA. 2361+69.71
 F.G. = 484.26

BEGIN WACR BURIED
 STRUCTURE CHANNEL
 STA. 13+12.00
 WACR STA. 2361+90.73, 61.08' RT

END US 5 BURIED STRUCTURE
 CHANNEL STA. 12+55.25
 US RT. 5 STA. 85+77.77,
 57.34' RT

STRUCTURE PLAN

SCALE 1" = 20'-0"

NOTE: STONE FILL, TYPE I NOT SHOWN
 FOR CLARITY.



PROJECT NAME:	RYEGATE
PROJECT NUMBER:	STP CULV(10)
FILE NAME:	z06cl56pe.dgn
PROJECT LEADER:	E. DETRICK
DESIGNED BY:	R. BARNES
STRUCTURE PLAN	
PLOT DATE:	11/24/2015
DRAWN BY:	R. BARNES
CHECKED BY:	E. DETRICK
SHEET	9 OF 56