℄ CHANNEL CURVE DATA
P.I. STA. 12+22.81
Δ = 65° 16′ 49″ (LT)
Dc = 63° 39′ 43″
R = 90.00′
T = 57.65′
L = 102.54′
E = 16.88′

℄ RAMP D
STA. 87+95.6, 81.6′ LT.

RAMP D SPIRAL DATA
P.I. STA. 88+35.58
Ls = 130.00′
θs = 5° 12′ 00″
LT = 86.70′
ST = 43.37′
x = 129.89′
y = 3.93′
k = 64.98′
p = 0.98′

NOTE:

1. SEE SHEET 692 FOR LOST NATION ROAD PLAN AND PROFILE.
2. SEE SHEET 900 FOR LOST NATION ROAD DRAINAGE PLAN AND PROFILE.
3. AFTER REMOVING THE SECTIONS OF EXISTING PIPE, CLEAN THE EXISTING JOINT OF ALL DEBRIS THEN JOIN THE NEW PIPE TO THE EXISTING IN ACCORDANCE WITH 603.08 FOR CONCRETE PIPE.

HYDRAULIC DATA	
DRAINAGE AREA =	11.11 AC.
Q25 =	21.55 cfs
Q100 =	26.20 cfs
HWE25 =	594.02
HWE100 =	594.30
V25 =	7.26 fps
V100 =	7.64 fps

℄ CONST. LOST NATION STA. 59+58.30,136.3′ RT.

℄ RAMP D STA. 87+97.81= ℄ CULVERT STA. 8+61.82

℄ CULVERT

℄ CONST. LOST NATION RD. STA. 60+01.79= ℄ CULVERT, STA. 10+00.00

℄ CONST. LOST NATION RD.

℄ CONST. RAMP D

℄ RAMP E

℄ EX. LOST NATION RD.

MATCHLINE STA. 12+00

EX. TRAFFIC CONDUIT

EX. 36″ STM.

EX. 3″ DUCT CABLE

EX. 4″ GAS

EX HW TO BE REMOVED

16″ WATER

10″ WATER

30″ WATER

7′ WALK

88°35′39″ (TO LOCAL TANGENT)

72°18′10″

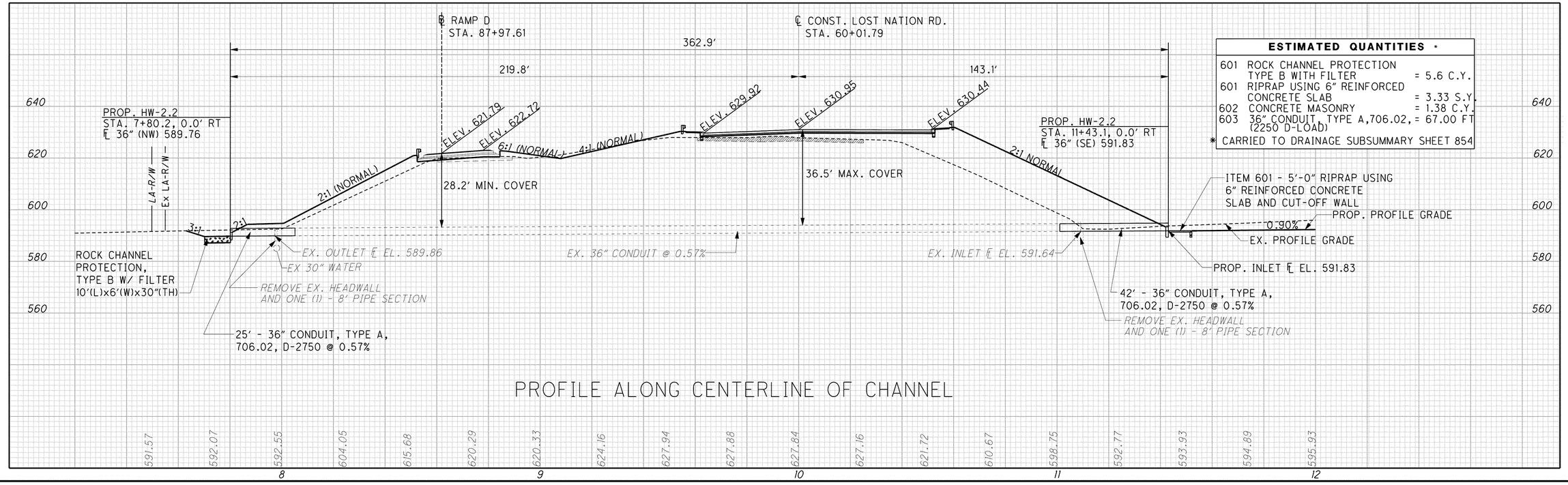
N 03° 36′ 40″ E

49.00′

35.00′

12″ - STM

S.R. 2



PROFILE ALONG CENTERLINE OF CHANNEL

ESTIMATED QUANTITIES *	
601 ROCK CHANNEL PROTECTION TYPE B WITH FILTER	= 5.6 C.Y.
601 RIPRAP USING 6″ REINFORCED CONCRETE SLAB	= 3.33 S.Y.
602 CONCRETE MASONRY	= 1.38 C.Y.
603 36″ CONDUIT, TYPE A, 706.02, (2250 D-LOAD)	= 67.00 FT

* CARRIED TO DRAINAGE SUBSUMMARY SHEET 854

HORIZONTAL SCALE IN FEET
0 10 20 40

CALCULATED PSB
CHECKED TMA

LOST NATION RD. CULVERT & CHANNEL DETAIL STA. 7+50 TO STA. 12+00

LAK-2-3.32

860
1679

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