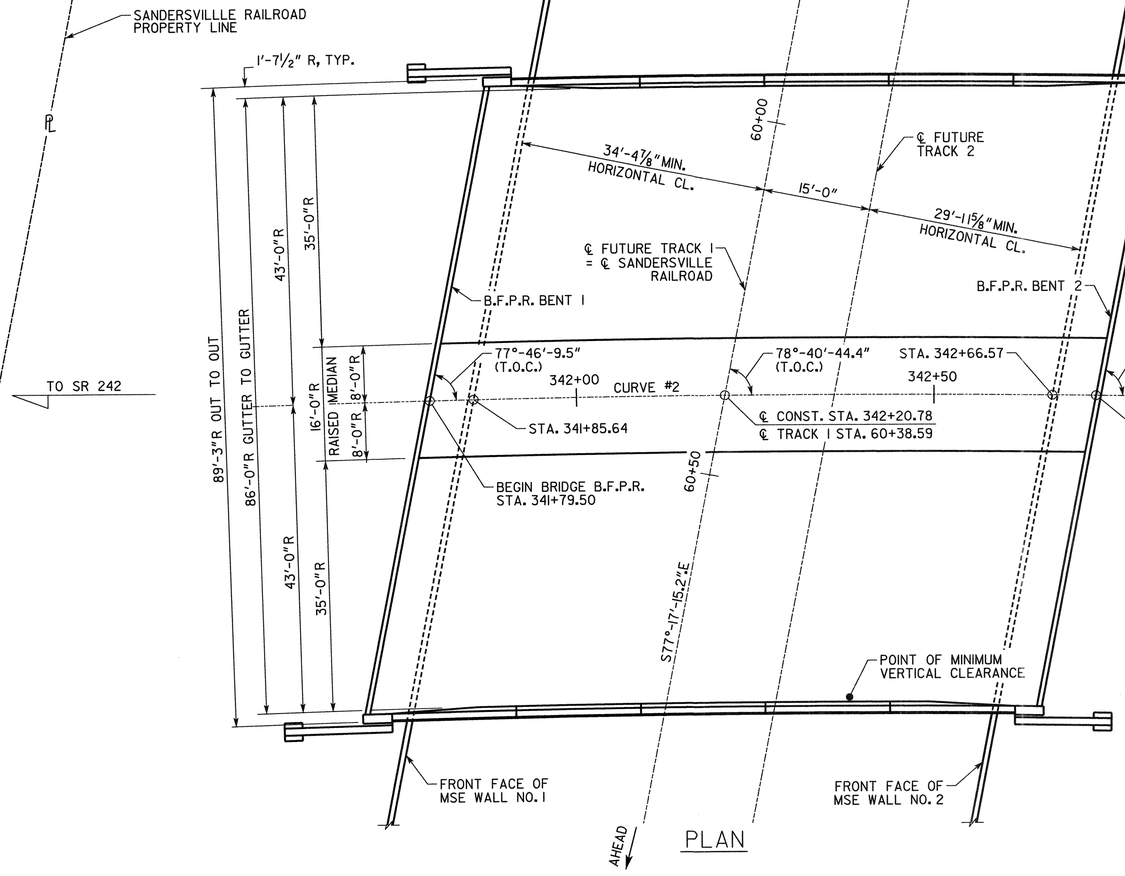
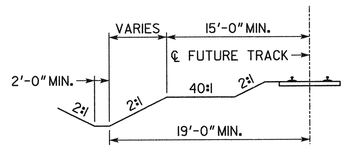


PLAN



ENDFILL CONTROL DIAGRAM

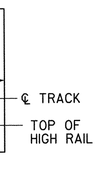
EXISTING DITCH ELEVATION CONTROLS DESIGN

* APPROXIMATE FUTURE TRACK PROFILE			
STATION	ELEVATION	STATION	ELEVATION
58+00	451.35	60+50	454.98
58+50	452.59	61+00	455.58
59+00	453.07	61+50	456.21
59+50	453.79	62+00	456.77
60+00	454.42	62+50	457.37

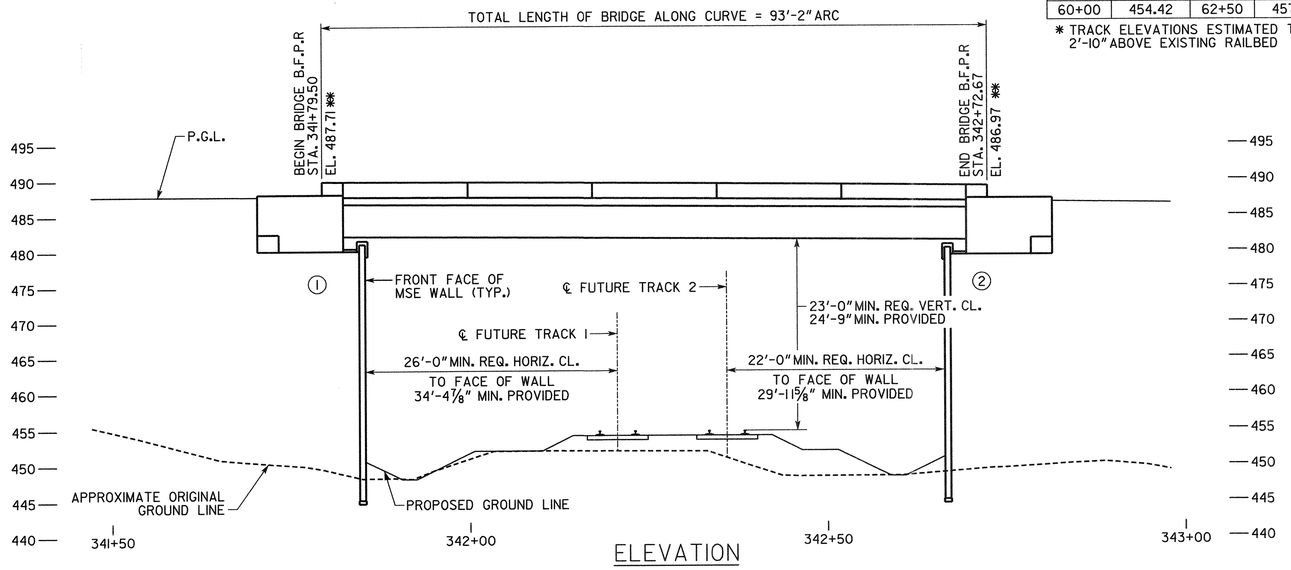
* TRACK ELEVATIONS ESTIMATED TO BE 2'-10" ABOVE EXISTING RAILBED

STA.: 345+14.40 ℄ CONST.
OFFSET: 21.93' LT
ELEVATION: 445.71
DESCRIPTION: #6 REBAR
N 1081216.80
E468251.21

BENCHMARK



CONSTRUCTION CLEARANCE DIAGRAM



ELEVATION

BRIDGE CONSISTS OF

1 - 93'-2" BULB TEE, 54 IN, PSC BEAM SPAN ---------- SPECIAL DESIGN

2 - PILE END BENTS ---------- SPECIAL DESIGN

TRAFFIC DATA

TRAFFIC ---------- ADT = 4,500 (2012)
ADT = 5,600 (2032)

DESIGN SPEED ---------- 55 MPH

24 HR TRUCKS ---------- 11 %

UTILITIES

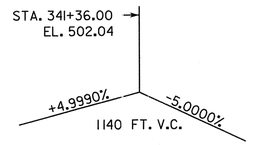
NO UTILITIES ON BRIDGE

DESIGN DATA

SPECIFICATIONS ---------- AASHTO 17TH EDITION, 2002
(DESIGNED FOR SEISMIC PERFORMANCE CATEGORY A)

TYPICAL HS20-44 AND/OR MILITARY LOADING ---------- IMPACT ALLOWED

FUTURE PAVING ALLOWANCE ---------- 30 LBS PER SQ FT



PROPOSED VERTICAL CURVE DATA

P.I. STA. = 346+61.80
Δ = 49°-09'-33.1" (RT)
D = 2°-12'-13.26"
T = 1189.25 FT.
L = 2230.77 FT.
R = 2600.00 FT.
S.E. = 4.2%

PROPOSED HORIZONTAL CURVE #2

NOTES:

1. PROPOSED BRIDGE DECK IS TO BE BUILT ON A CONSTANT SLOPE OF 4.2% DOWN TO THE RIGHT.
2. END BENT PILES NOT SHOWN.
3. ALL BENTS ARE PARALLEL

** STATIONS AND ELEVATIONS ARE AT INTERSECTION OF PROFILE GRADE LINE AND B.F.P.R.

ARC - ARC DIMENSION
R - RADIAL DIMENSION
T.O.C. - TANGENT OF CURVE

PROJECT P.I. NO. 245090

BRIDGE NO. 1

GRESHAM SMITH AND PARTNERS

GEORGIA
DEPARTMENT OF TRANSPORTATION
ENGINEERING DIVISION-OFFICE OF BRIDGES AND STRUCTURES

PRELIMINARY LAYOUT
SR 15 BYPASS OVER
SANDERSVILLE RAILROAD
WASHINGTON COUNTY STP00-2992-00(003)

SCALE: 1" = 10' MAY 2016

DESIGNED SAW / CAV
DRAWN TJD
CHECKED TQT
DESIGN GROUP EJL
REVIEWED DLC / SKG
APPROVED WMD

DRAWING NO. 35-0001
BRIDGE SHEET 1 OF 2

BY | REVISIONS | DATE

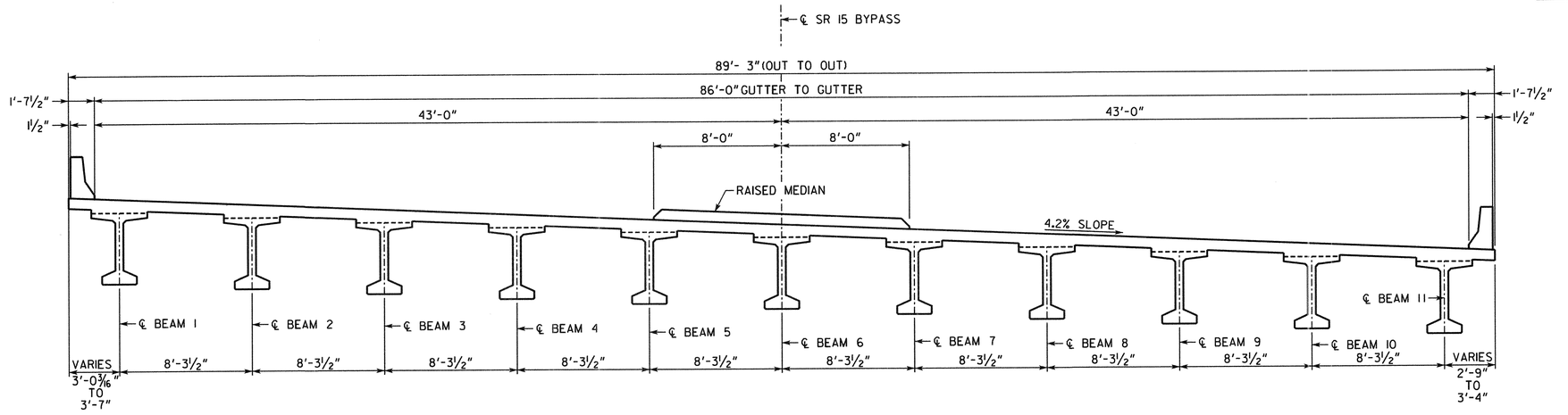
1 INCH WHEN PRINTED FULL SIZE

X.DGN

P.I. NO. 245090

120441 PM
5/6/2016
azcorrc

P.I. NO. 245090



SECTION THRU SLAB
FENCE NOT SHOWN

BRIDGE NO. 1

GRESHAM SMITH AND PARTNERS

GEORGIA
DEPARTMENT OF TRANSPORTATION
ENGINEERING DIVISION-OFFICE OF BRIDGES AND STRUCTURES

PRELIMINARY LAYOUT
SR 15 BYPASS OVER
SANDERSVILLE RAILROAD
WASHINGTON COUNTY STP00-2992-00(003)

SCALE: ¼" = 1'-0" MAY 2016

DESIGNED SAW | CHECKED TQT | REVIEWED DLC / SKG
DRAWN TJD | DESIGN GROUP EJL | APPROVED WMD

DRAWING NO. 35-0002
BRIDGE SHEET 2 OF 2

REVISIONS | BY | DATE

1 INCH WHEN PRINTED FULL SIZE

X.DGN

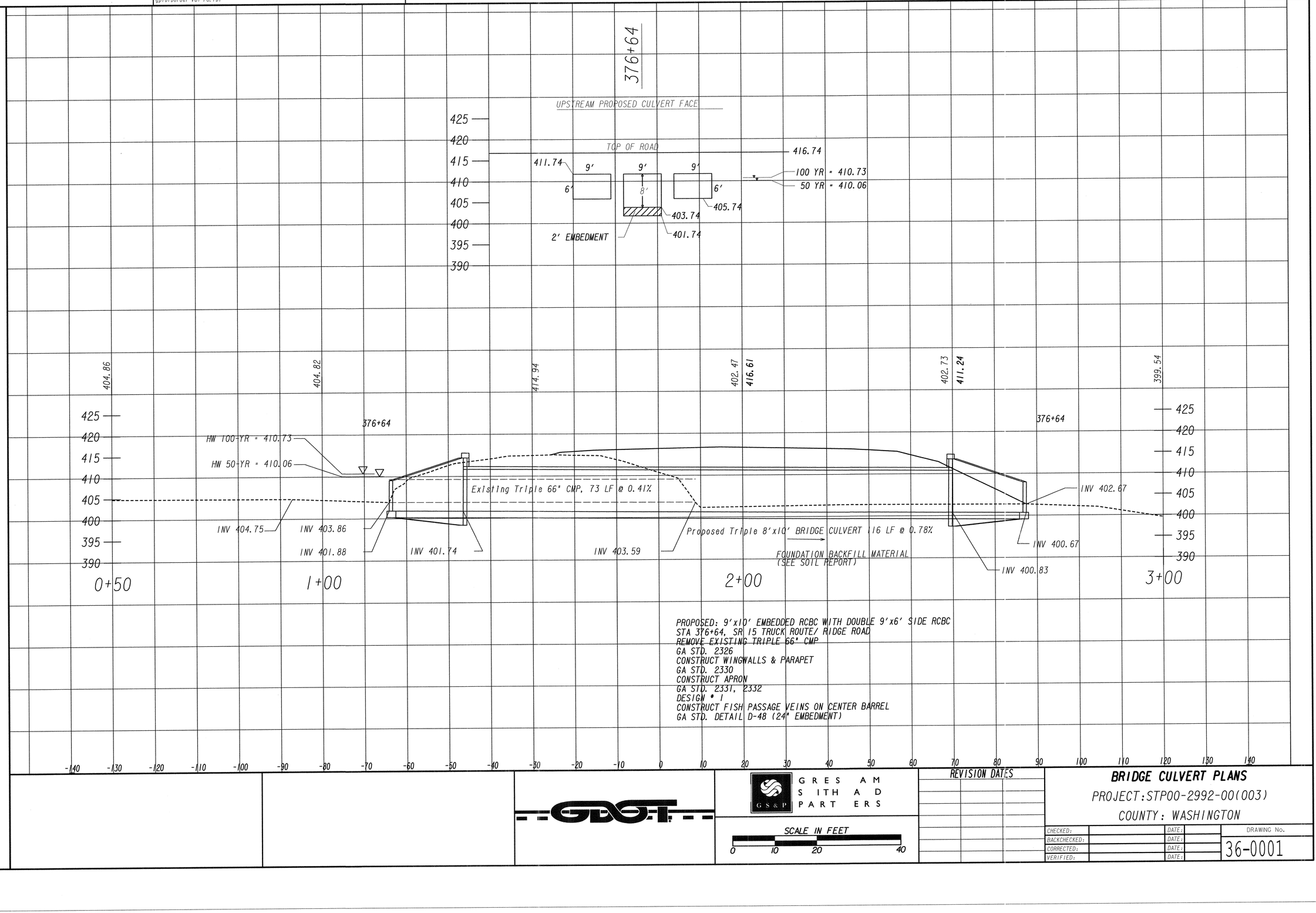
5/6/2016 12:09:01 PM

4/20/2016 12:35:20 PM muddiml

GPLOT-V8 gplotborder-V81-P0.tbl

245090_36-001.DGN

P. I. No. 245090



PROPOSED: 9'x10' EMBEDDED RCBC WITH DOUBLE 9'x6' SIDE RCBC
STA 376+64, SR 15 TRUCK ROUTE/ RIDGE ROAD
REMOVE EXISTING TRIPLE 66" CMP
GA STD. 2326
CONSTRUCT WINGWALLS & PARAPET
GA STD. 2330
CONSTRUCT APRON
GA STD. 2331, 2332
DESIGN # 1
CONSTRUCT FISH PASSAGE VEINS ON CENTER BARREL
GA STD. DETAIL D-48 (24" EMBEDMENT)

GRESAM SMITH AND PARTNERS

SCALE IN FEET
0 10 20 40

REVISION DATES

BRIDGE CULVERT PLANS

PROJECT: STP00-2992-00(003)

COUNTY: WASHINGTON

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		36-0001
CORRECTED:		DATE:		
VERIFIED:		DATE:		

7/31/2015 GPLN