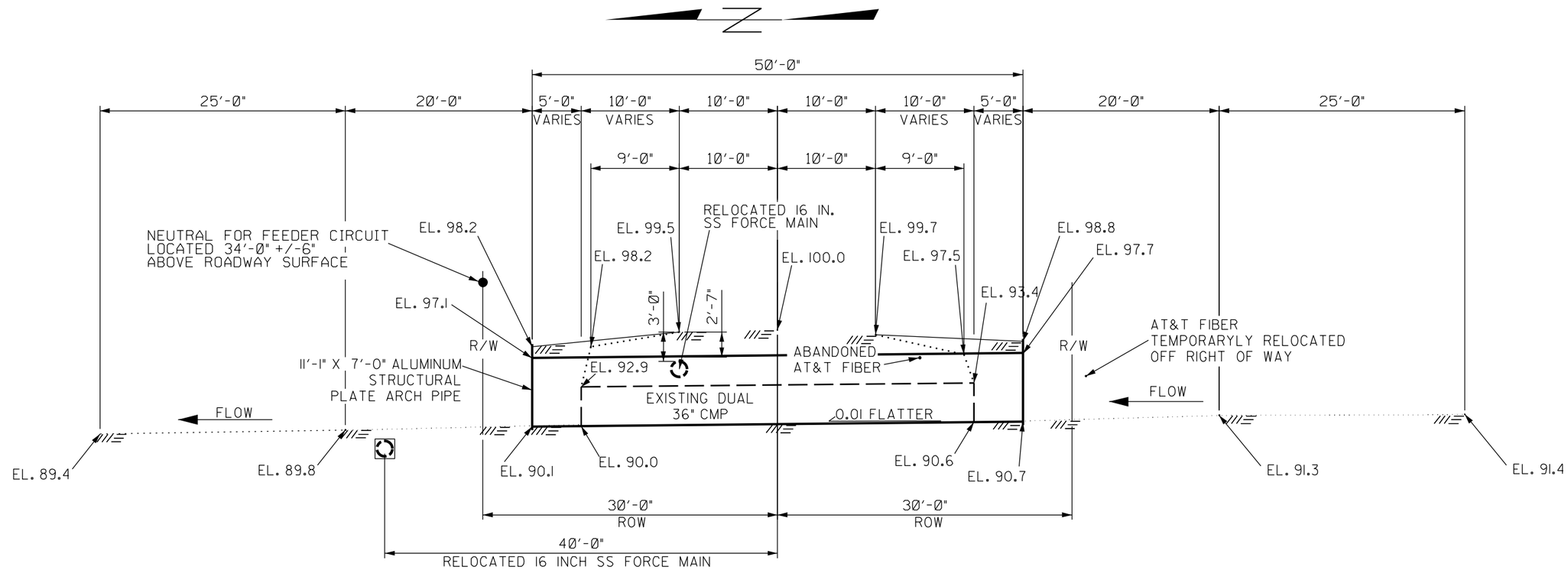

ELEVATION VIEW
11'-1" X 7'-0
CORRUGATED ALUMINUM
STRUCTURAL PLATE ARCH

PROPOSED ELEVATIONS:
CENTER LINE ROADWAY OVER PIPE
ASSUME= EL. 100.00

INLET:

TOP OF HEADWALL= EL. +/- 99.10
TOP OF PIPE= EL. +/- 97.70
INVERT STREAM= EL. +/- 90.70
INVERT PIPE= EL. +/- 90.70

OUTLET:

TOP OF HEADWALL= EL. +/- 98.50
TOP OF PIPE= EL. +/- 97.10
INVERT STREAM= EL. +/- 90.10
INVERT PIPE= EL. +/- 90.10

CENTER LINE LENGTH = 50'-0" OF 11'-11" X 7'-0" CORRUGATED ALUMINUM STRUCTURAL PALTE ARCH.

TWO 22'-6" WIDE BY 9'-4" TALL FULLY WELDED STRUCTURAL ALUMINUM STRUCTUARL PLATE HEADWALLS W/ 2- SECTIONS OF 11'-1" X 7'-0" 10 GAUGE ALUMINUM PLATE STUBBED OUT, WHICH SHALL BE FULLY WELDED TO ALUMINUM STRUCTURAL PLATE HEADWALL.

MINIMUM COVER= 1.20' AT HEADWALL; 2.70' AT ROADWAY
MAXIMUM COVER OVER THE PIPE= 3.0'

THE STRUCTURE AND ALL COMPONENTS SHALL BE DESIGNED TO MEET OR EXCEED AASHTO HL-93 LOADING.

PROJECT NO. 15005.1092024
WAKE COUNTY
STATION: GRASSHOPPER RD. (SR-2511)
SHEET _ OF _

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

ELEVATION VIEW
11'-1" X 7'-0" ALUMINUM
CORRUGATED STRUCTURAL
PLATE ARCH

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			TOTAL SHEETS
2			4			

DRAWN BY : REESE BRILEY DATE : 2/12/2018
CHECKED BY : _____ DATE : _____

$$$$$$$SYSTIME$$$$$
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$$$$USERNAME$$$$