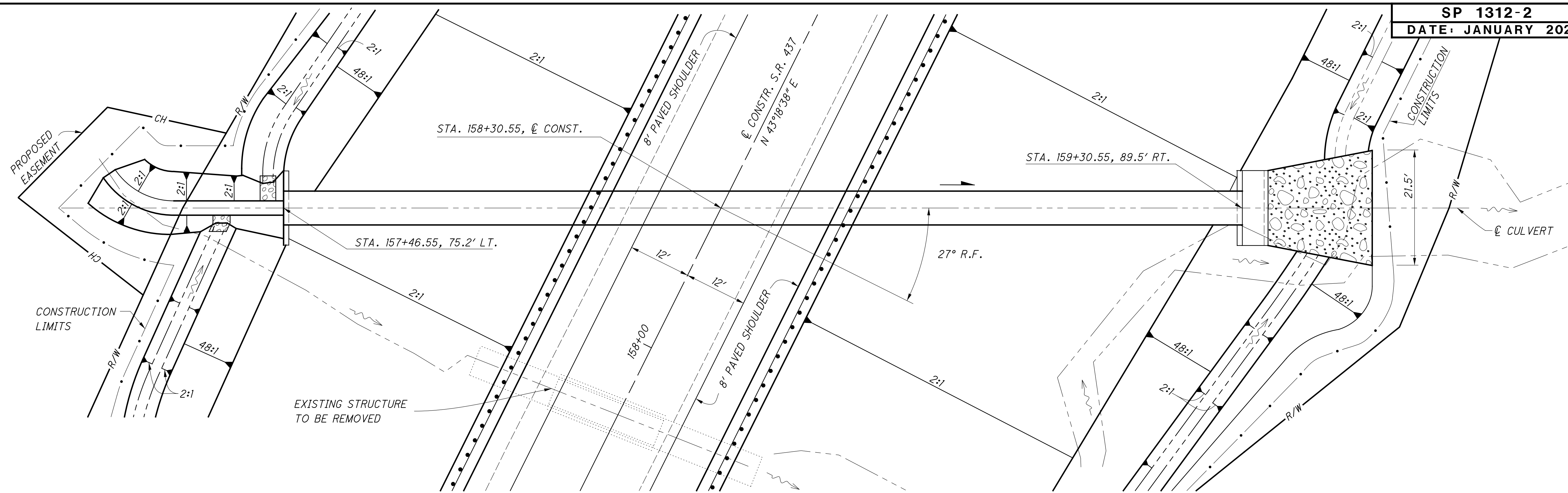


0 5 10 15 20  
HORIZONTAL SCALE IN FEET

CALCULATED JOH  
CHECKED JDH



**HYDRAULIC DATA**

DRAINAGE AREA = 108 AC.  
ORDINARY HIGH WATER MARK = 810.3 FT.  
DESIGN SERVICE LIFE = 75 YEARS  
ABRASION LEVEL = 3  
pH = 7.5  
CFN = 1234567  
Q<sub>25</sub> = 188 cfs  
Q<sub>100</sub> = 260 cfs  
HW<sub>25</sub> = 815.6'  
HW<sub>100</sub> = 817.6'  
V<sub>25</sub> = 16.0 fps  
V<sub>100</sub> = 18.5 fps

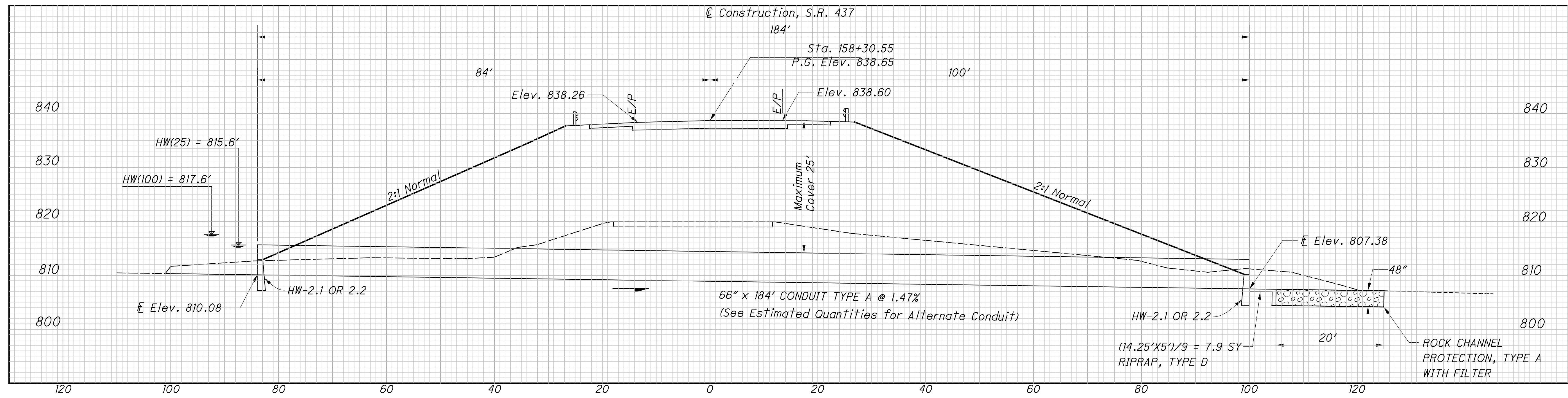
EXISTING STRUCTURE	
TYPE:	STONE ARCH W/72" CMP EXTENSIONS
SIZE:	6'X5'X58' ARCH
SKEW:	27° R.F.
ALIGNMENT:	TANGENT
DATE BUILT:	1908
CONDITION:	POOR
CFN:	7654321

PROPOSED STRUCTURE	
TYPE:	66" CONDUIT, TYPE A, 706.02 OR 78" 707.02 (0.064) ALUMINIZED, 707.03 (0.138) W/CIP, 707.07 (0.109) GALVANIZED, 707.21 W/CIP
SKEW:	27° R.F.
ALIGNMENT:	TANGENT
CFN:	1234567

QUANTITIES CARRIED TO DRAINAGE SUBSUMMARY, SHEET 37

ESTIMATED QUANTITIES			
ITEM	QUANTITY	UNIT	DESCRIPTION
202	LS		STRUCTURE REMOVED
601	60	CY	ROCK CHANNEL PROTECTION, TYPE A WITH FILTER
601	8	SY	RIPRAP
602	5.9	CY	CONCRETE MASONRY
611	184	FT	66" CONDUIT, TYPE A, 706.02 OR 78" 707.02 (0.064) ALUMINIZED, 707.03 (0.138) W/CIP, 707.07 (0.109) GALVANIZED, 707.21 W/CIP
670	72	SY	DITCH EROSION PROTECTION MAT TYPE C

CIP = CONCRETE INVERT PAVING



CULVERT DETAIL  
STA. 158 + 30.00

PRE - 437 - 2.65