

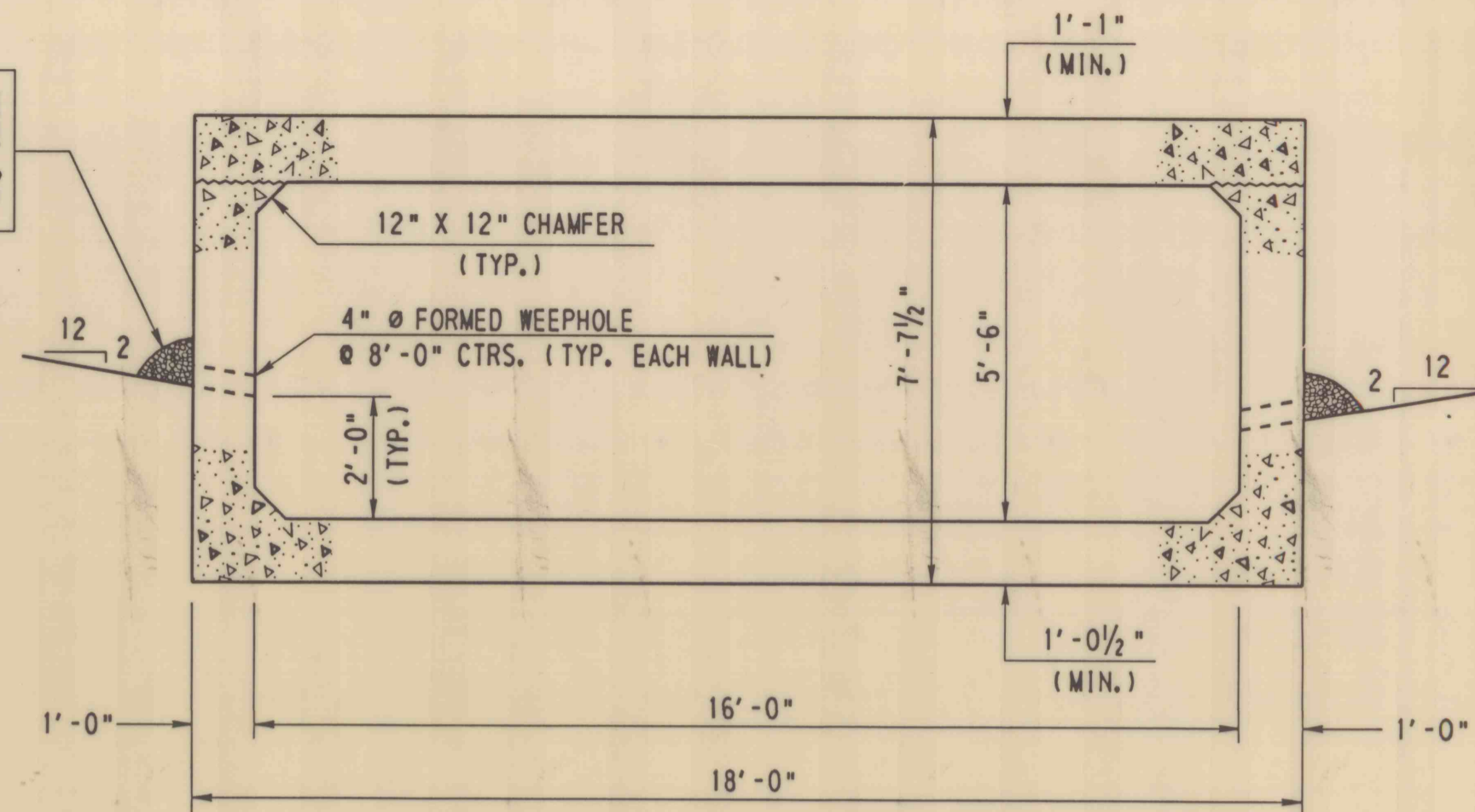
TRAFFIC DATA

ADT ————— 11,276 (CURRENT)
 DESIGN ADT ——— 14,095 (2016)
 TRUCK TRAFFIC — 4%

1/2 C.Y. NO. 57 COARSE
 AGGREGATE @ EACH WEEPHOLE
 ENCASED IN GEOTEXTILE,
 CLASS 1 (TYP.)

DESIGN METHODOLOGY

- DESIGN IS IN ACCORDANCE WITH THE STRENGTH DESIGN METHOD (LOAD FACTOR DESIGN)
- LIVE LOADS CONSIST OF:
 HS25 LOADING OR 125% ALTERNATE MILITARY LOADING OR P-82 (204 K PERMIT LOAD) WITH THE AASHTO GROUP 1B LOADING.



TYPICAL SECTION

SCALE: 3/8" = 1'-0"
 1 0 1 2 3 FEET

HYDRAULIC DATA

DRAINAGE AREA ————— 3.22 SQ. MI.
 Q50 ————— 890.0 C.F.S.
 Q100 (DESIGN) ————— 1220.0 C.F.S.

PROPOSED STRUCTURE DATA

PROPOSED STRUCTURE STA. - 83+76.31
 PRECAST U-WALL WITH A R.C. CONC. TOP SLAB
 CLEAR SPAN ± 16'-0"
 CLEAR ROADWAY ± 28'-8"
 SKEW ± 90°-00'-00"
 UNDERCLEARANCE ± 5'-6"

EXISTING STRUCTURE DATA

EXISTING STRUCTURE STA. - 83+75.00
 1 - SPAN REINFORCED CONCRETE SLAB BRIDGE
 CLEAR ROADWAY WIDTH ——— 28'-8"
 SKEW ————— 77° 00' 00" R.H.A.
 UNDERCLEARANCE ——— 5'-4"
 SPAN ————— 8'-0"
 YEAR BUILT ————— 1925

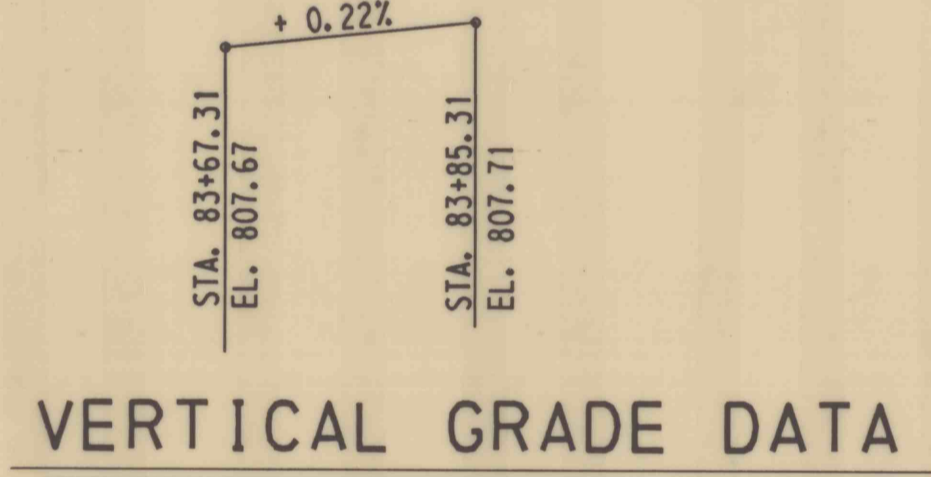
PLAN

SCALE: 1/4" = 1'-0"
 2 0 2 4 FEET

LEGEND

- ▲ - PRECAST SECTION LENGTHS TO BE DETERMINED BY FABRICATOR, MIN. LENGTH = 4'-0"
- ⊙ - INDICATES CORE BORE LOCATION.
- - TEMPORARY BRACING PHASE 1 CONSTRUCTION (TOTAL LENGTH 14'-0")
- - - - - TEMPORARY BRACING PHASE 2 CONSTRUCTION (TOTAL LENGTH 8'-0" DOES NOT INCLUDE PORTION OF PHASE 1 SHORING TO BE REMOVED)
- * - FOR VERTICAL LIMITS OF TEMPORARY BRACING SEE SHEET 7.

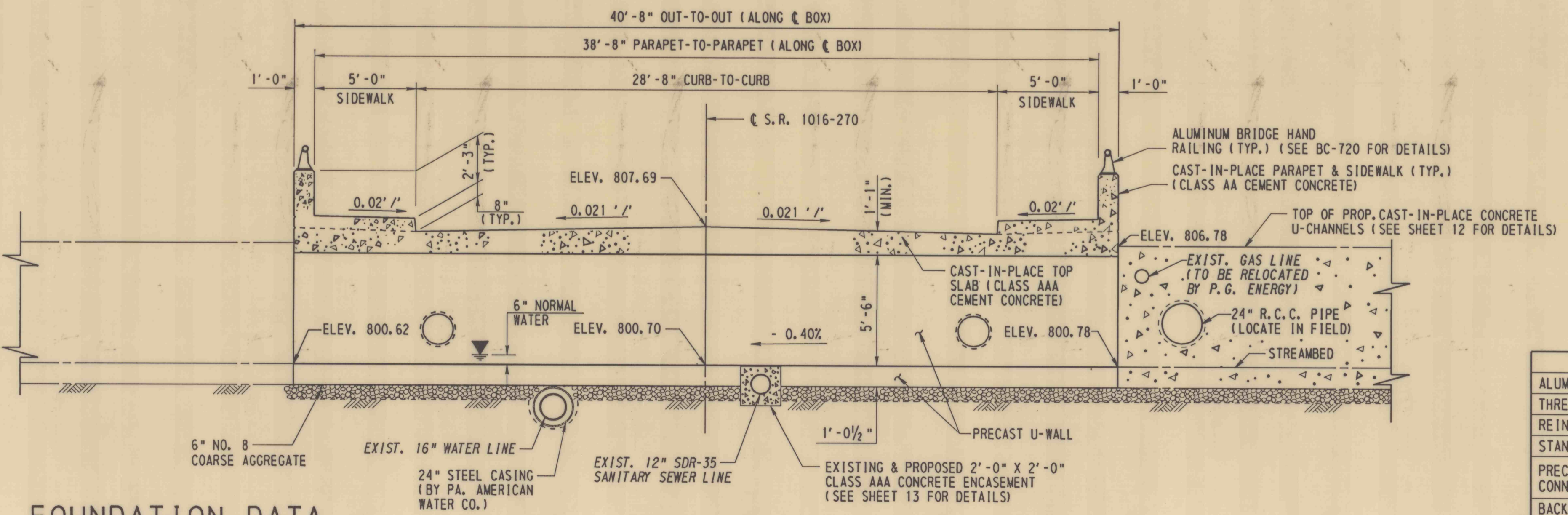
- NOTE :**
- FOR TYPICAL U-WALL REINFORCEMENT SEE SHEET 13.
 - FOR GENERAL NOTES SEE SHEET 7.
 - FOR SLAB REINFORCEMENT SEE SHEET 12.
 - FOR STAKE-OUT PLAN SEE SHEET 7.
 - FOR UTILITY LOCATIONS SEE SHEET 7.
 - FOR STAGED CONSTRUCTION SEE SHEET 7.



VERTICAL GRADE DATA

CULVERT RATINGS - TONS				
	H	HS	ML	P
INVENTORY	31.06	55.91	43.34	—
OPERATING	51.88	93.38	72.38	136.34

RATINGS INCLUDE 30 PSF FOR FUTURE WEARING SURFACE



FOUNDATION DATA

DESIGN FOUNDATION PRESSURE 1.0 T.S.F.
 MAXIMUM ALLOWABLE FOUNDATION PRESSURE 1.1 T.S.F.

SECTION A-A

SCALE: 1/4" = 1'-0"
 2 0 2 4 FEET

THIS SHEET PREPARED BY THE
 PENNSYLVANIA DEPARTMENT OF TRANSPORTATION
 DISTRICT 4-0, BRIDGE UNIT

DESCRIPTION	DWG. NO.	APP.	DATE
ALUMINUM BRIDGE HAND RAILING	BC-720		9-30-94
THREADED INSERT ANCHOR ASSEMBLY	BC-734		9-30-94
REINFORCEMENT BAR FABRICATION DETAILS	BC-736		9-30-94
STANDARDS FOR SOIL CLASSIFICATION	BC-795		9-30-94
PRECAST R.C. BOX CULVERT MECHANICAL CONNECTION DETAILS	BC-798		9-30-94
BACKFILL AT STRUCTURES	RC-12		3-25-94
CLASSIFICATION OF EARTHWORK FOR STRUCTURES	RC-11		3-25-94

SUPPLEMENTAL DRAWINGS

ALL DIMENSIONS AND EXISTING CONDITIONS SHALL BE CHECKED AND VERIFIED BY CONTRACTOR AT THE SITE.

NO.	DATE	REVISION	APPR.

SUBMITTED: *David A. Greenfield*
 PROJECT DESIGNER, WILKES-BARRE

APPROVED: *Thodore J. Fisher*
 CHIEF, DESIGN SECTION, WILKES-BARRE

REGISTERED PROFESSIONAL ENGINEER
 THODORE J. FISHER, JR.
 ENGINEER
 No. 23704-E
 PENNSYLVANIA

COMMONWEALTH OF PENNSYLVANIA
 DEPARTMENT OF ENVIRONMENTAL PROTECTION

PROJECT NO. OSM 35(2080) 102.1

STREAM CHANNEL REHABILITATION
STERRY CREEK SOUTH
JESSUP BOROUGH

LACKAWANNA COUNTY, PENNSYLVANIA

PLAN, SECTIONS & DATA

PA. D.O.T.	SEP.30,1996	9 of 26
270	AS SHOWN	