

# GENERAL NOTES

- PROVIDE MATERIALS AND WORKMANSHIP IN ACCORDANCE WITH THE PENNSYLVANIA DEPARTMENT OF TRANSPORTATION SPECIFICATIONS PUBLICATION 408/94, CONTRACT SPECIAL PROVISIONS AND AASHTO/AWS/D1.1 BRIDGE WELDING CODE/1994.

**DESIGN SPECIFICATIONS:**

DESIGN DIVISION 1 OF 1992 AASHTO "STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES", AND AS SUPPLEMENTED BY THE 1993 EDITION OF DESIGN MANUAL, PART 4, STRUCTURES.

**LIVE LOADS:**

HS25 LOADING  
MODIFIED ALTERNATE MILITARY LOADING (2-AXLES OF 30 KIPS EACH @ 4'-0" C/C)

204 KIP PERMIT LOAD AT OPERATING RATING IN ACCORDANCE WITH THE 1983 MANUAL FOR MAINTENANCE INSPECTION OF BRIDGES.

LIVE LOAD DISTRIBUTION IS BASED ON AASHTO SIMPLIFIED METHOD.

**DEAD LOADS:**

INCLUDES 30 LBS. PER SQ. FT. FOR FUTURE WEARING SURFACE ON THE DECK SLAB.

USE CLASS AAA CEMENT CONCRETE IN CAST-IN-PLACE CONCRETE DECK SLAB, CONCRETE SANITARY SEWER LINE ENCASEMENT AND U-WALL BLOCKOUT.

USE CLASS AA CEMENT CONCRETE IN THE SIDEWALKS AND PARAPETS.

USE CLASS A CEMENT CONCRETE IN THE CAST-IN-PLACE UPSTREAM U-CHANNELS.

PROVIDE 2" CONCRETE COVER ON REINFORCEMENT BARS EXCEPT AS NOTED.

USE CEMENT CONCRETE WITH A 28 DAY COMPRESSIVE STRENGTH OF 5000 P.S.I. IN CONSTRUCTING PRECAST U-WALL SECTIONS.

CHAMFER EXPOSED CONCRETE EDGES 1" X 1" EXCEPT AS NOTED.

APPLY PROTECTIVE COATING FOR REINFORCED CONCRETE SURFACES TO EXPOSED SURFACE OF CONCRETE DECK SLAB, SIDEWALKS AND PARAPETS.

PROVIDE GRADE 60 REINFORCING STEEL BARS THAT MEET THE REQUIREMENTS OF ASTM FOR DEFORMED BILLET STEEL BARS FOR CONCRETE REINFORCEMENT (A615), RAIL STEEL (A616), OR AXLE STEEL (A617).

DO NOT USE RAIL STEEL (A616) WHERE BENDING OR WELDING OF THE REINFORCEMENT IS REQUIRED.

EPOXY COAT ALL REINFORCEMENT BARS.

PROVIDE MINIMUM LAP AND EMBEDMENT LENGTH OF REINFORCEMENT IN ACCORDANCE WITH 1992 AASHTO OR 30 DIAMETERS WHICHEVER IS GREATER.

VERIFY AND LOCATE ALL EXISTING UTILITIES PRIOR TO STARTING WORK, AND CONDUCT OPERATIONS IN A MANNER WHICH ENSURES THE UTILITIES WILL NOT BE DISTURBED OR ENDANGERED AND ASSUME FULL RESPONSIBILITY FOR ANY DAMAGE TO UTILITIES DURING CONSTRUCTION. THE DEPARTMENT DOES NOT ASSUME RESPONSIBILITY FOR REIMBURSEMENT, PARTICIPATION IN DESIGN AND/OR REVISIONS OR LIABILITY FOR ACCURACY OF TYPE, SIZE AND LOCATION OF ANY UTILITY. CONTACT PENN. AMERICAN WATER CO., ATTN. MR. PETER J. SARMONIS AT (717) 830-6540 AND THE LACKAWANNA RIVER BASIN AUTHORITY, ATTN. MR. DOMINICK SURACE AT (717) 489-7563.

DO NOT BACKFILL U-WALLS UNTIL CAST-IN-PLACE TOP SLAB IS CURED AND WATERPROOFING INSTALLED.

DO NOT EXCEED A TWO (2) FOOT DIFFERENCE IN FILL ELEVATION ON THE SIDES DURING THE PLACEMENT OF THE BACKFILL. DO NOT COME CLOSER THAN ONE (1) FOOT TO THE FACE OF THE STRUCTURE WITH THE WHEELS OF ROLLERS DURING COMPACTION OF THE BACKFILL.

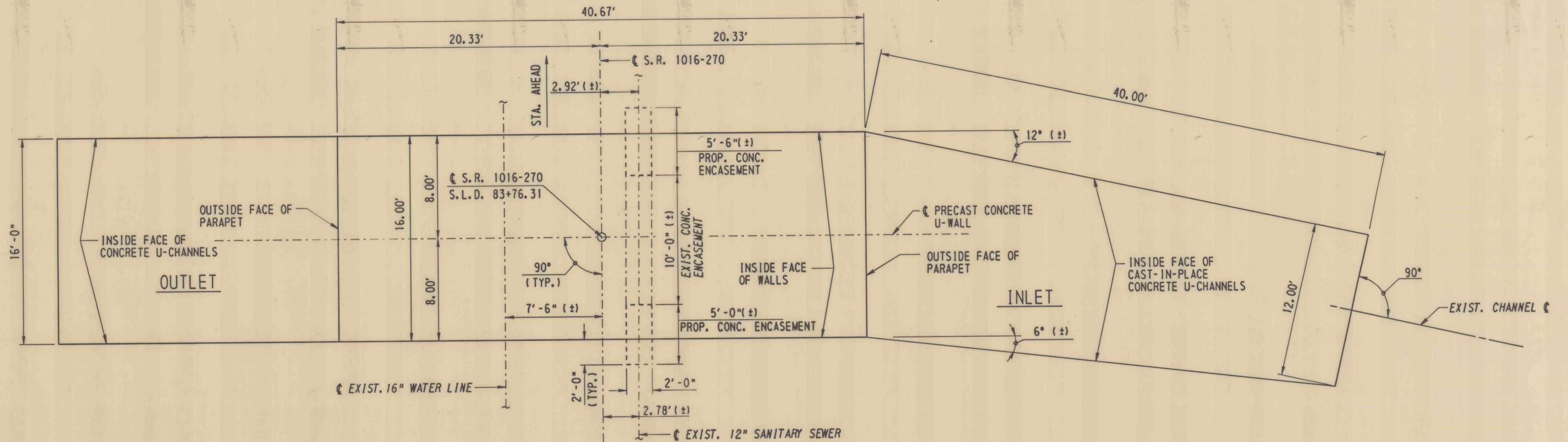
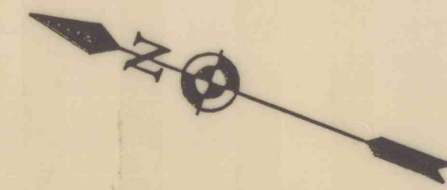
CONSTRUCTION DETAILS OTHER THAN THOSE SHOWN CONFORM TO THE STANDARD DRAWINGS.

REFER TO SECTION 1085 & 714 OF PUBLICATION 408/94 FOR THE CONSTRUCTION AND ERECTION OF THE PRECAST CONCRETE U-WALL. LUMP SUM PAYMENT FOR THE PRECAST REINFORCED CEMENT CONCRETE U-WALL INCLUDES INSTALLATION OF THE PROTECTIVE COATING. THE ENTIRE HEIGHT OF TWO OUTSIDE WALLS REQUIRE THE APPLICATION OF A TWO COAT PROTECTIVE COATING IN ACCORDANCE WITH SECTION 1085.3 (m) OF PUBLICATION 408.

FIBERGLASS MEMBRANE WATERPROOFING TO BE IN ACCORDANCE WITH SECTION 680.3 (d) OF PUBLICATION 408/94.

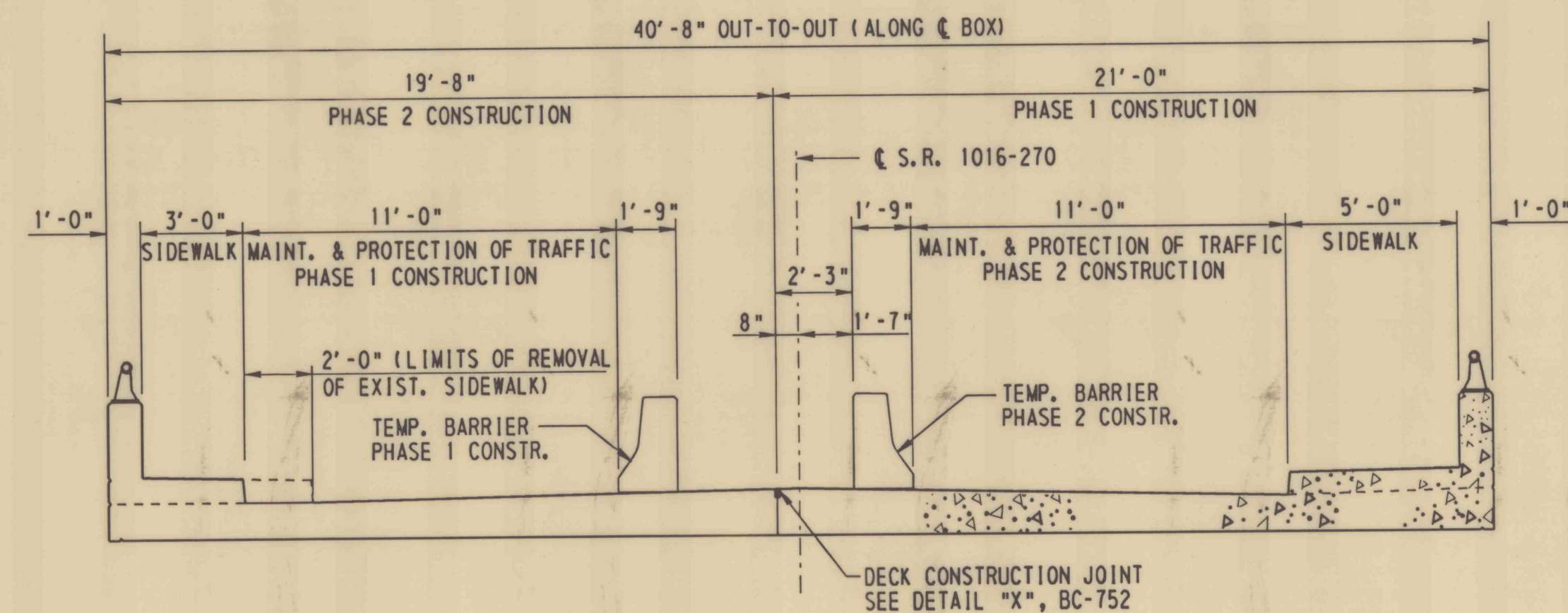
RAKE FINISH ALL HORIZONTAL CONSTRUCTION JOINTS.

ALL DIMENSIONS SHOWN ARE HORIZONTAL, EXCEPT AS NOTED.



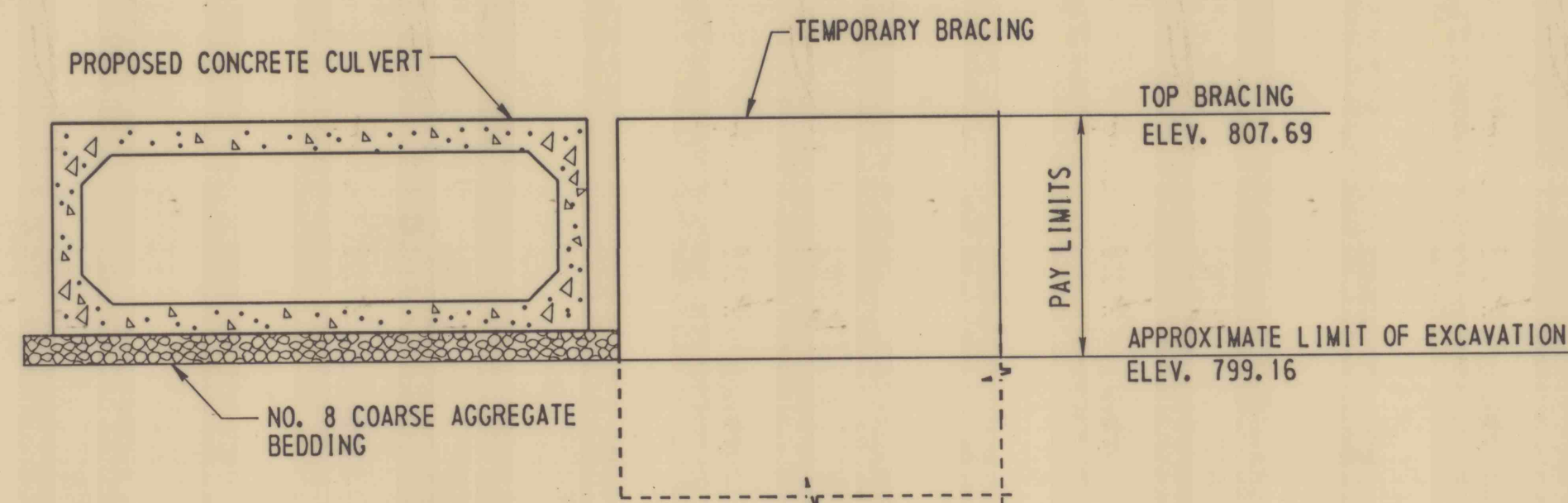
## STAKE-OUT & UTILITY PLAN

SCALE: 1/4" = 1'-0"  
2 0 2 4 6 FEET



## STAGED CONSTRUCTION LOOKING STA. AHEAD

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



## TEMPORARY BRACING DETAIL

SCALE: 1/8" = 1'-0"  
2 0 2 4 6 FEET

NO.	DATE	REVISION	APPR.

SUBMITTED: *Doris A. Humphreys*  
PROJECT DESIGNER, WILKES-BARRIE

APPROVED: *Theodore J. Fisher, Jr.*  
CHIEF, DESIGN SECTION, WILKES-BARRIE



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

## STAKE-OUT PLAN, DETAILS, & GENERAL NOTES

PA. D.O.T.	SEP. 30, 1996	7 of 26
U 70	AS SHOWN	

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