GENERAL NOTES:

SPECIFICATIONS
A.A.S.H.T.O. SPECS.

REINFORCING STEEL: DESIGN: Fy = 44,000 P.S.I.

LOADING:

CONCRETE: ALL CONCRETE SHALL BE MIX NO. 3 (3,500 P.S.I.)

REINFORCING STEEL: REINFORCING STEEL SHALL CONFORM TO A.A.S.H.T.O. A615 GRADE 60. ALL SPIKES, NOT SHOWN, SHALL BE LAPPED AS PER BAR LAY CHARTS. MINIMUM COVER FOR REINFORCING STEEL SHALL BE 3" UNLESS OTHERWISE NOTED.

FOR TIES AND STRAPS, STANDARD AD BENDING TOLERANCES ARE MODIFIED TO PLUS (+) ZERO INCHES, MINUS (-) NORMAL AD BENDING TOLERANCES.

ONLY GRADE 60 CAN BE USED FOR THIS PROJECT.

KEYS:
ALL KEYS ARE NOMINAL SIZE.

STRUCTURAL PLATE:
THE PLATES SHALL BE GALVANIZED CORRUGATED STEEL CONFORMING TO THE REQUIREMENTS OF A.A.S.H.T.O. M-93. THE CORRUGATION, AND CONTINUOUS, SEAMS SHALL BE CONNECTED PHYSICALLY TO THE PLATES. IT IS RECOMMENDED THAT NO MORE THAN 3 PLATES BE PROPPED TOGETHER AT ANY ONE POINT.

COVER FOR PIPES:
AND OR PIPE ARCHES: NO CONSTRUCTION EQUIPMENT SHALL BE PERMITTED TO PASS OVER THE COVERED PIPE. A Membrane of 3 FEET OF COMPACTED FILL HAS BEEN PLACED OVER THE COVERED PIPE.
PARTIAL PLAN

SCALE: 1/18"=1'-0"

NOTE: FOR CLARITY CAPS AND RAILING NOT SHOWN.

WEST ELEVATION

SCALE: 1/18"=1'-0"

NOTE: FOR CLARITY CAPS NOT SHOWN.

1. FOR ADDITIONAL FOOTING DETAILS, SEE SHEET 5-3A.
2. SECTIONS D-E, E-F AND F-F SHOWN ON SHEET 5-4.
3. SECTION G-O SHOWN ON SHEET 5-5.
BACKFILL OF ARCH NOTES:
1. All backfill shall be placed in accordance with the manufacturer’s recommendations.
2. All select granular fill to be compacted to 96% per A.A.S.H.O. T-180.
3. Complete and regular monitoring of the arch shape at the centerline and both quarter points in addition to the manufacturer’s recommendations is necessary during all backfilling of the arch.
4. Prevent excess distortion of shape as necessary by varying compaction methods and equipment.
5. Method of backfill shall be as recommended by the manufacturer. The manufacturer's recommendations shall include the inspection of all backfill. Backfill to the minimum lower of 2” over the arch. The inspection of the manufacturer must be properly trained in the related construction operations.
6. Construction traffic and equipment must not be allowed over the culvert until a minimum of 3 feet of controlled backfill has been placed and compacted to 96% per A.A.S.H.O. T-180. After that construction traffic may be allowed over the culvert provided that vehicle wheel loads will not cause rutting which will effectively reduce the backfill depth over the culvert.

NOTE:
Place 3/8"-hook rods at 1’-0" on center around perimeter of structural plate arch at each headwall at bottom. Grout shall be mixed and thoroughly mixed after thorough mixing grout shall not prevent turning the nut by hand.

DETAIL 'A'
Scale: 1/2"=1'-0"