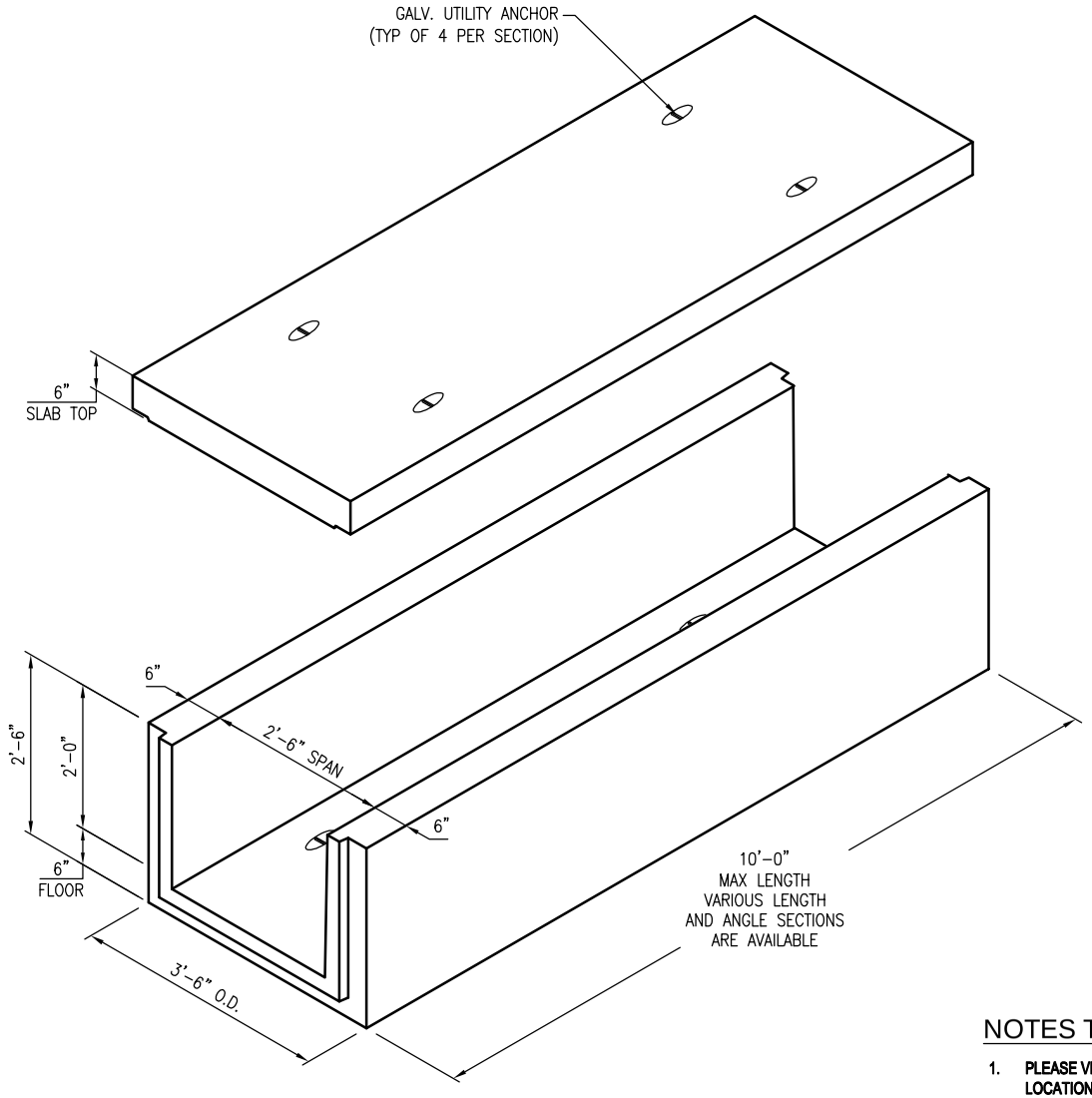

GENERAL DESIGN NOTES:

1. LOAD AND RESISTANCE FACTOR DESIGN METHOD IN ACCORDANCE WITH (I.A.W.) AASHTO LFRD BRIDGE DESIGN SPECIFICATIONS.
2. APPLICABLE DESIGN DOCUMENTS (CURRENT EDITIONS):
   - AASHTO LRFD BRIDGE DESIGN SPECIFICATION (MAIN DESIGN SPECIFICATION),
   - ACI 318 BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE (SUPPLEMENTARY SPECIFICATION).
   - ASTM C857 STANDARD PRACTICE FOR MINIMUM STRUCTURAL DESIGN LOADING FOR UNDERGROUND PRECAST CONCRETE UTILITY STRUCTURES (LOADING SPECIFICATIONS).
   - ASTM C858 STANDARD SPECIFICATION FOR UNDERGROUND PRECAST CONCRETE UTILITY STRUCTURES (PRODUCT SPECIFICATION).
3. PRECAST RATED FOR AASHTO HL-93 TRUCK LIVE LOAD W/ IMPACT I.A.W. AASHTO LRFD SPEC..
4. DESIGN FILL: AT GRADE.
5. GROUND WATER TABLE FOR STRUCTURAL CALCULATIONS IS BASED UPON GROUND WATER TABLE AT OR BELOW INVERT OF BOX. IF DESIGN (OR ACTUAL) WATER TABLE IS LESS THAN ASSUMED, REVIEWING ENGINEER/AUTHORITY SHALL NOTIFY OLDCASTLE PRECAST, INC. UPON REVIEW OF THIS SUBMITTAL.
6. LATERAL DESIGN PRESSURES (AS APPLICABLE TO DESIGN, SEE CALCULATIONS):
   - MIN EQUIV SOIL FLUID PRESSURE = 30 PCF.
   - MAX EQUIV SOIL FLUID PRESSURE = 60 PCF.
   - LIVE LOAD SURCHARGE PRESSURE = PER AASHTO DESIGN SPECIFICATION REFERENCE HEREIN.
7. DESIGN CONCRETE COMPRESSIVE STRENGTH AT 28 DAYS, f'c = 5,000 PSI (MIN).
8. REINFORCEMENT: OLDCASTLE PE (DESIGN ENGINEER) MAY SUBSTITUTE THE REINFORCEMENT SHOWN HEREIN TO AN EQUIVALENT REINFORCEMENT ALTERNATIVE NOTED BELOW.
   - CARBON-STEEL DEFORMED BARS: ASTM A615, fy = 60KSI (MIN).
   - WELDED WIRE REINFORCEMENT - DEFORMED: ASTM A1064, fy = 70 KSI (MIN).
   - WELDED WIRE REINFORCEMENT - PLAIN: ASTM A1064, fy = 65 KSI (MIN).
9. JOINT SEALANT (AS DETAILED AND NOTED IN DRAWINGS HEREIN):
   - CS-102 CONSEAL BUTYL RUBBER SEALANT (OR EQUIV.) I.A.W. ASTM C990 FED. SPEC. SS-S-210,
10. PRECAST DESIGN DOES NOT INCLUDE ANY LATERAL OR SURCHARGE LOADS FROM OTHER BUILDINGS OR FOUNDATIONS ADJACENT TO THIS STRUCTURE. THIS STRUCTURE SHALL BE KEPT A MINIMUM OF 1:1 RATIO AWAY FROM OTHER FOOTINGS OR FOUNDATIONS.

NOTES TO CONTRACTOR:

1. PLEASE VERIFY ALL DIMENSIONS, ALL OPENING LOCATIONS AND SIZES.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER COORDINATION TO ENSURE THAT AN ADEQUATE BEARING SURFACE IS PROVIDED (I.E. LEVEL AND COMPACTED) PER PROJECT SPECIFICATIONS.
3. SLAB TOPS SHALL HAVE BUTT JOINTS TO BE REMOVABLE, UNLESS OTHERWISE SPECIFIED.

APPROX. WEIGHTS	
SECTION	WEIGHT (lbs)
SLAB TOP PER FOOT	250 LBS
BASE PER FOOT	600 LBS

Oldcastle Precast®
4905 STOUGH RD. CONCORD, NC
OFFICE 704-788-4050, FAX 704-788-4060
NC ENGINEERING LICENSE #F-1002

30" SPAN X 24" HIGH TRENCH BOX

CUSTOMER

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

DATE	SALES	DRAWN	ENGINEER	CHECKED	SALES ORDER
8/3/16		LD			

DRAWING NUMBER	REVISION	SHEET
30x24-Trench	REV DATE	1 OF 1

REVISIONS

REV	DATE	BY	SHEET	DESCRIPTION OF REVISION	REQUESTED BY
A					
B					