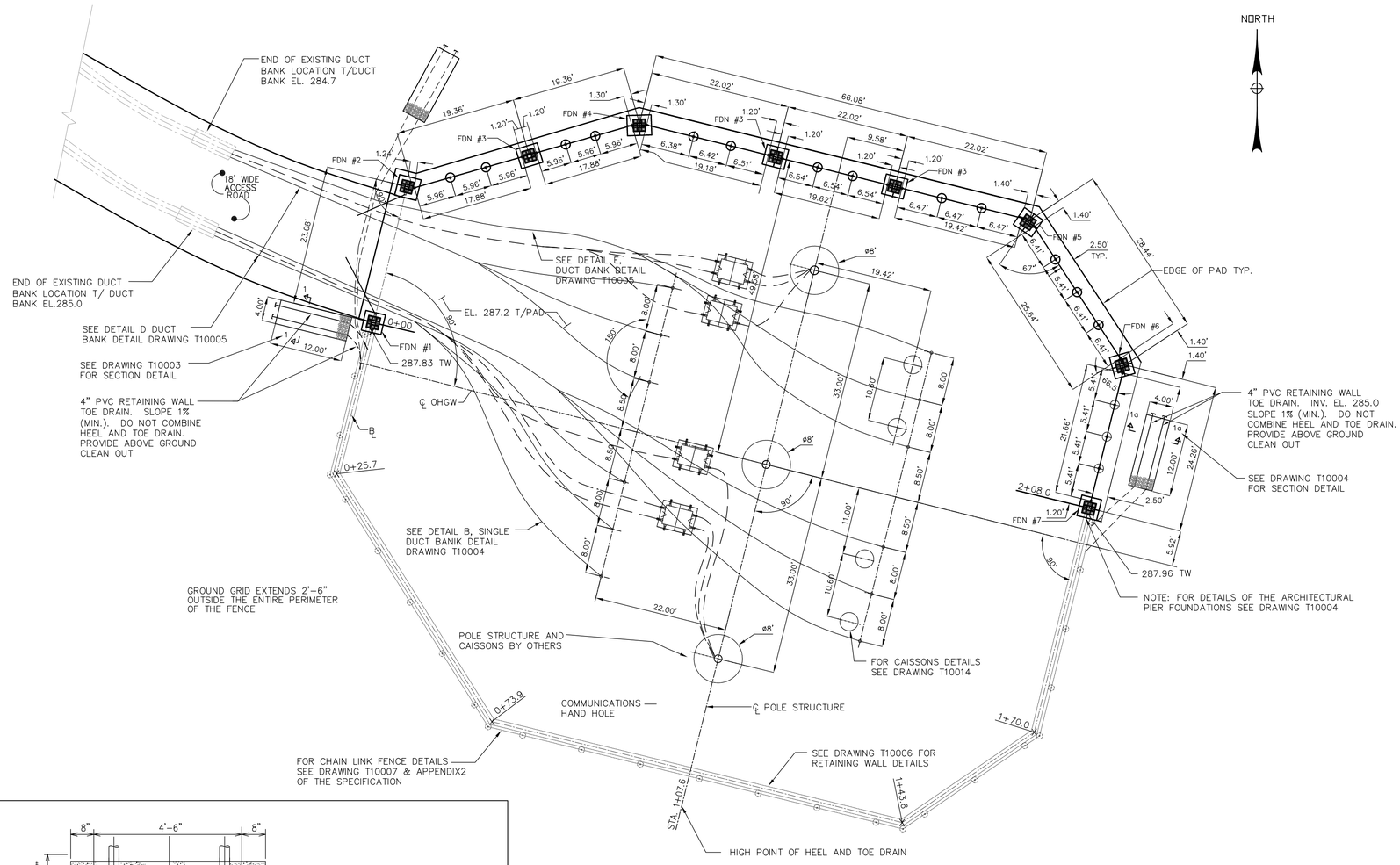
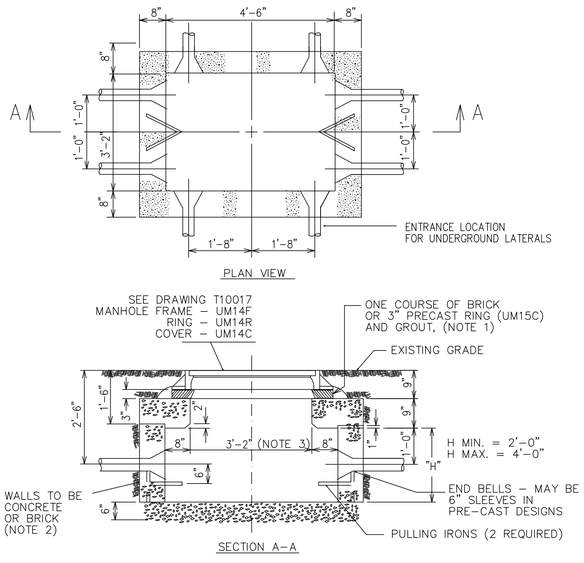


FOUNDATION PLAN
SCALE: 1":10'-0"



COMMUNICATIONS HAND HOLE DETAIL
N.T.S.

COMMUNICATIONS HAND HOLE NOTES:

1. CHIMNEY HEIGHT IS KEPT TO A MINIMUM TO FACILITATE PLACING.
2. CONCRETE MINIMUM STRENGTH – 5000 PSI @ 28 DAYS.
3. ROOF OPENING 3'-2" X 3'-2".
4. ESTIMATED WEIGHT – 4000LBS

GENERAL NOTES:

1) INSTALL EROSION AND SEDIMENTATION CONTROL FEATURES BEFORE ANY CONSTRUCTION IS PERFORMED. EROSION CONTROL TO BE INSTALLED AND MAINTAINED AS PER REQUIREMENTS OF THE STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW YORK STATE.

2) ALL EXCAVATIONS, SHORING, AND BRACING SHALL CONFORM TO OSHA REQUIREMENTS.

3) ANCHOR BOLTS TO BE PROVIDED AS AN ASSEMBLY

4) ALL EQUIPMENT MUST BE GROUNDED WHEN OPERATION IN THE VICINITY OF ELECTRICAL CONDUCTORS ABOVE 15 VOLTS.

CONCRETE NOTES:

1) CONCRETE TESTING AND SAMPLING SHALL BE PERFORMED UNDER THE DIRECTION OF THE ON-SITE TRANSMISSION FIELD ENGINEER.

2) CONCRETE TEMPERATURE: TEST HOURLY WHEN AIR TEMPERATURE IS 49°F AND BELOW AND WHEN TEMPERATURE IS 80°F AND ABOVE. TEST EACH TIME A SET OF COMPRESSION TEST SPECIMENS ARE MADE.

3) CONCRETE COMPRESSIVE TEST SPECIMENS: ASTM C31;
A MINIMUM OF 3 TEST SPECIMENS SHALL BE TAKEN FROM EVERY FOUNDATION, REPRESENTATIVE OF EACH ONE-THIRD OF THE FOUNDATION, AND WILL BE LABELED WITH THE SPECIFIC STRUCTURE NUMBER, DATE, AND TIME. DO NOT USE FIRST OUT OR LAST OUT OF THE MIXER. SPECIMENS SHALL BE PROTECTED AND CURED AT THE SITE FOR AT LEAST 24 HOURS PRIOR TO BEING SENT TO THE LABORATORY.

4) CONCRETE COMPRESSIVE STRENGTH TESTS: ASTM C39;
ONE SET FOR EACH 100 CU YDS, OR FRACTION THEREOF, PLACED IN ANY ONE DAY.

5) FIELD: CONCRETE SHALL BE SAMPLED AND TESTED FOR QUALITY CONTROL DURING THE PLACEMENT OF CONCRETE AS FOLLOWS:

   a) SAMPLING FRESH CONCRETE: ASTM C172, EXCEPT MODIFIED FOR SLUMP TO COMPLY WITH ASTM C94.

   b) SLUMP: ASTM C143; ONE TEST FOR EACH CONCRETE LOAD AT POINT OF DISCHARGE; AND ONE FOR EACH SET OF COMPRESSIVE STRENGTH TEST SPECIMENS.

   c) AIR CONTENT: ASTM C231, PRESSURE METHOD; ONE FOR EACH SET OF COMPRESSIVE STRENGTH TEST SPECIMENS.

6) CLEAR COVER SHALL BE 4" TYPICAL ON ALL BARS UNLESS NOTED OTHERWISE.

7) WELDING OF REINFORCING IS PROHIBITED.

8) 1" NOMINAL CHAMFER ON ALL EXPOSED CONCRETE EDGES U.N.O.

9) CONCRETE WORK SHALL CONFORM TO ACI 301, SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS, LATEST EDITION, UNLESS OTHERWISE SPECIFIED.

10) CONCRETE AIR ENTRAINMENT SHALL BE 6% ± 1%.

11) CONCRETE SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 4000 PSI.

12) REINFORCING TO BE ASTM A615 (60KSI YIELD STRENGTH).

13) ALL EXCAVATIONS FOR FOUNDATIONS SHALL BE KEPT FREE OF STANDING WATER PRIOR TO PLACING OF CONCRETE. DEWATERING OPERATION SHALL BE PERFORMED SO AS NOT TO REDUCE RELATIVE DENSITY OF THE SUPPORTING SOIL AND NOT CAUSE SETTLEMENT OF EXISTING FOUNDATIONS IN THE ADJACENT AREA.

14) TOLERANCES OF ALL DIMENSIONS OF CONCRETE CONSTRUCTION SHALL CONFORM WITH THE LATEST EDITION OF ACI 318 REQUIREMENTS FOR REINFORCED CONCRETE, EXCEPT AS NOTED.

15) ALL CONCRETE SURFACES EXPOSED ABOVE FINISH GRADE SHALL HAVE ALL SURFACE EFFECTS REPAIRED AND SURFACES SHALL BE RUBBED TO A STRAIGHT, SMOOTH FINISH WITH SLIGHT CROWN, FOR DRAINAGE.

16) ANCHOR BOLT CAGE TOLERANCES ARE AS FOLLOWS:
   A) VERTICAL TILTING ±¼"
   B) PROJECTION ±¼"
   C) LONGITUDINAL AND TRANSVERSE DIRECTION (GROUP) ±⅛"
   D) LONGITUDINAL AND TRANSVERSE DIRECTION (INDIVIDUAL) ±1⁄16"

17) DRILLED SHAFT FOUNDATION TOLERANCES ARE AS FOLLOWS:
   A) VERTICAL – NOT OUT OF PLUMB BY MORE THAN 1.5% OF SHAFT LENGTH.
   B) HORIZONTAL – 4% OF SHAFT DIAMETER OR 3" WHICH EVER IS LESS.
   C) TOP ELEVATION OF CONCRETE AS NOTED ON DRAWINGS ±¼"

18) NO CONSTRUCTION JOINTS ARE TO BE INCORPORATED IN THE CAISSON CONSTRUCTION. CONCRETE FOR EACH CAISSON SHALL BE PLACED IN A SINGLE POUR.

19) CASING MAY BE USED FOR THE CONSTRUCTION OF THE CAISSONS, NO CASINGS AND/OR ASSOCIATED CONSTRUCTION MATERIALS ARE TO REMAIN ON OR ABOUT ANY FOUNDATION AT THE COMPLETION OF THE STRUCTURE CONSTRUCTION.

NO.	DRAWING REFERENCE

NO.	REVISION	DATE	BY	CK	P.E. STAMPED BY	P.E. No.
1	REVISE LOUVER FENCE PIERS	JUN 10 09				

CLIENT APPROVAL

000 APPROVED BY

000 COMPANY

00/00/01 DATE

000 SURVEYED

000 DRAWN

000 CHECKED

000 APPROVED

REVIEWED

000

000

LFTCEDC

STONEBREAK ROAD TRANSITION STATION
FOUNDATION PLAN

MALTA NY

TRC 215 Greenfield Pkwy Suite 102 Liverpool, NY 13088

5/22/09
SHEET T10003

REV. 0