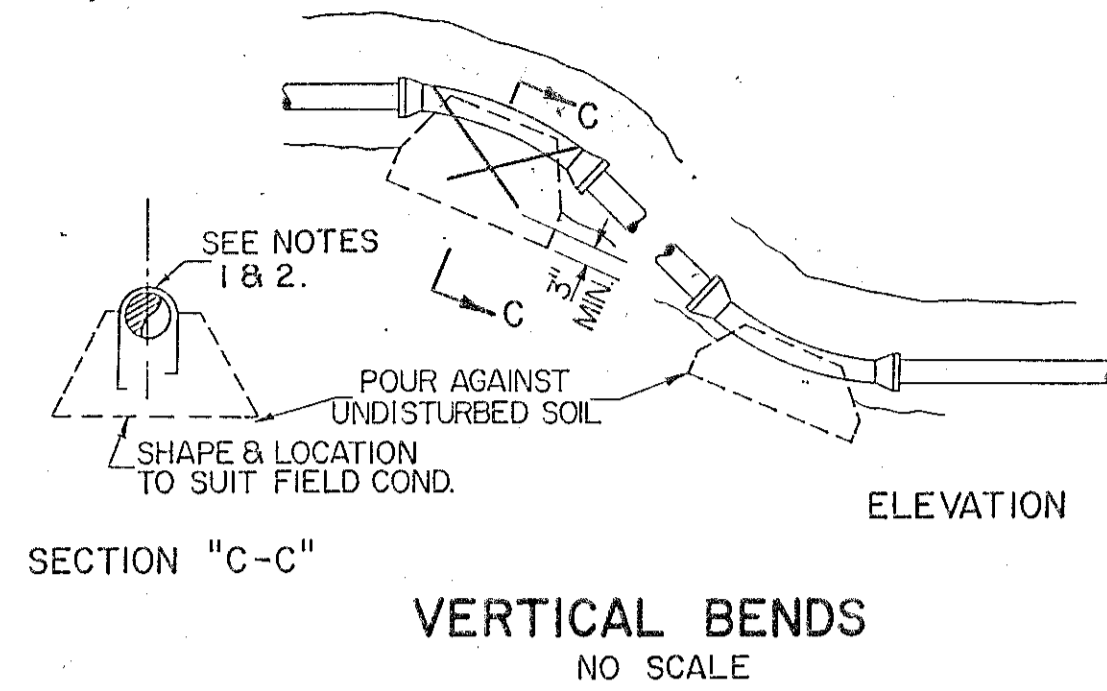
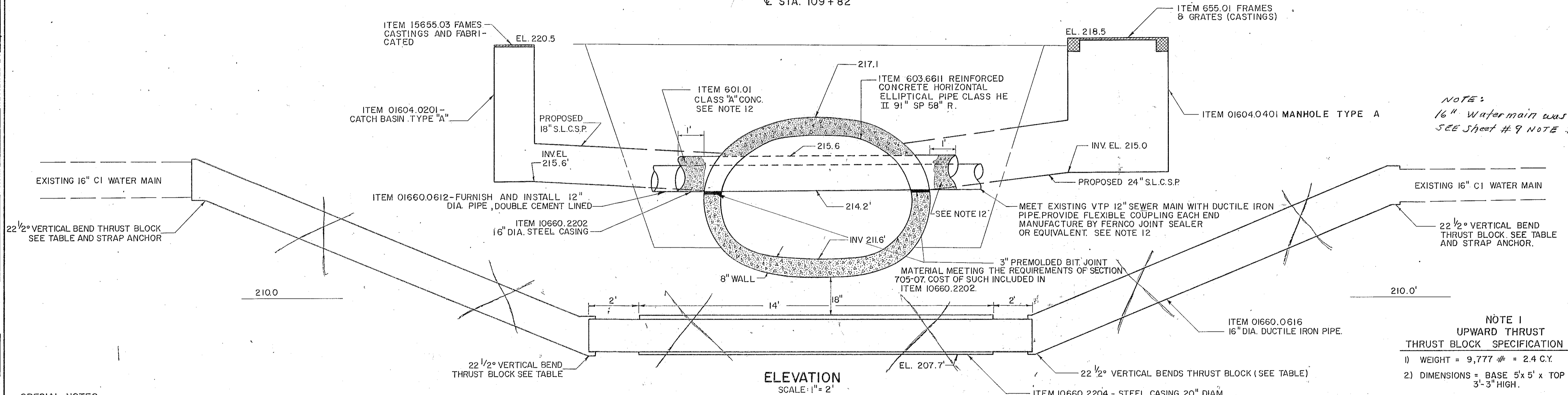


FED. ROAD REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		14R	15
DELAWARE PT. 2, SH. 41				
ALBANY COUNTY.				



NEW 58" x 91" ELLIPTICAL RCP
 PROPOSED CROSSING SEWER MAIN 12" DIA.
 & WATER MAIN 16" DIA.
 @ STA. 109+82

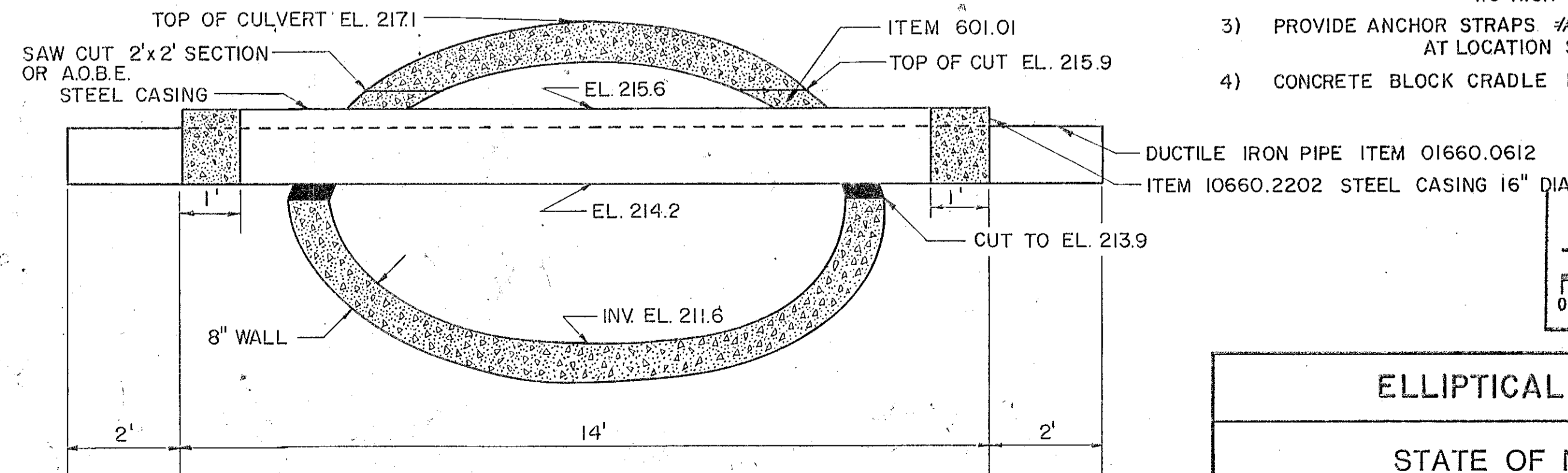
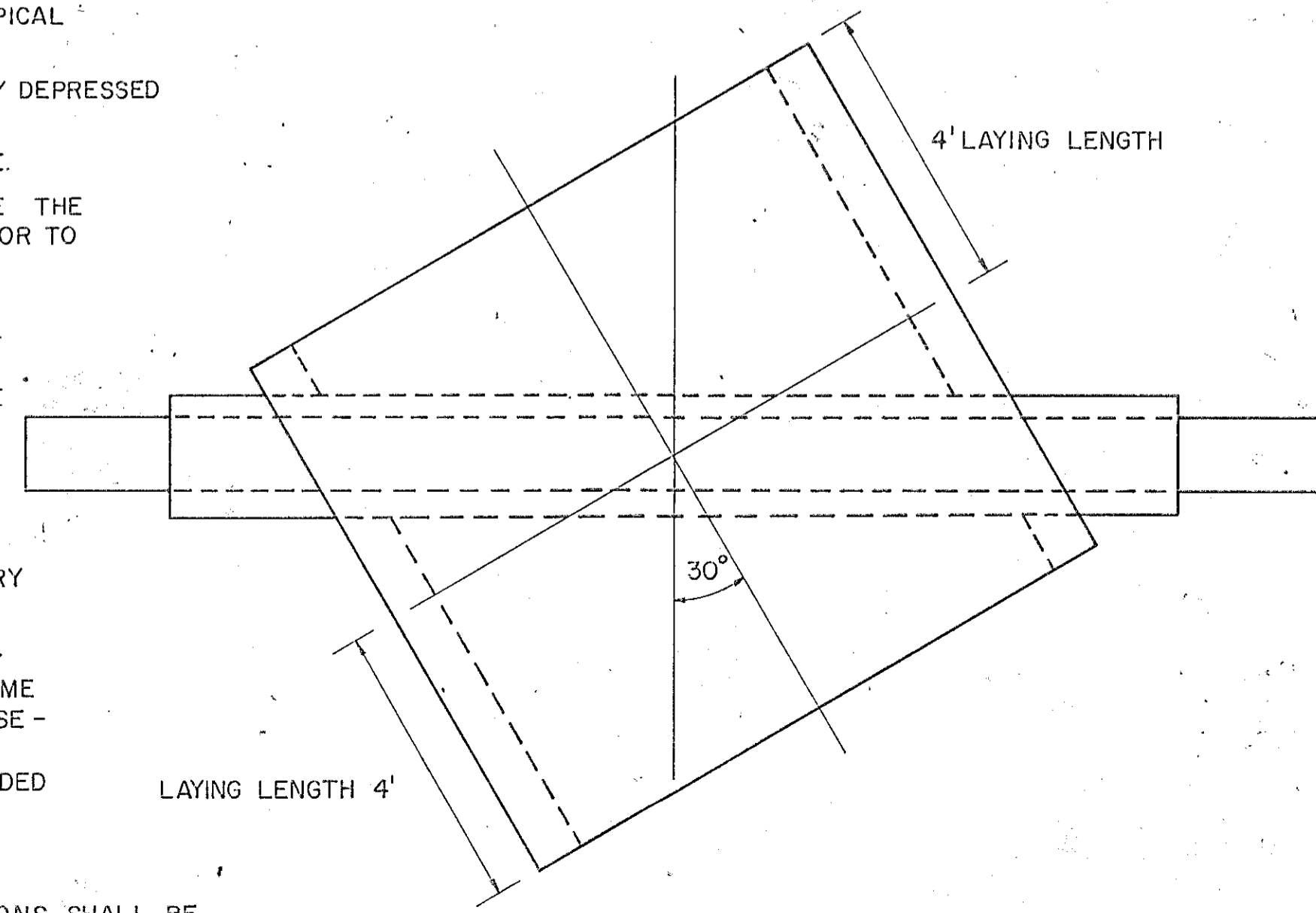


NOTE:
 16" watermain was not depressed
 SEE Sheet # 9 NOTE # 1 FOR DETAILS

NOTE 1
 UPWARD THRUST
 THRUST BLOCK SPECIFICATION TABLE - 16" DIA.
 1) WEIGHT = 9,777 # = 2.4 C.Y.
 2) DIMENSIONS = BASE 5'x5' x TOP 4.0'x4.0' x 3'-3" HIGH.
 3) PROVIDE ANCHOR STRAPS # 8 BARS - 5 L.F. EA. AT LOCATION SHOWN.
 4) CONCRETE BLOCK CRADLE 1/3 PIPE DIA.

NOTE 2
 UPWARD THRUST
 THRUST BLOCK SPECIFICATION TABLE - 6" DIA.
 1) WEIGHT = 1,442 # = 0.4 C.Y.
 2) DIMENSIONS = BASE 3.0'x3.0' x TOP 2'x2' x 1.5' HIGH.
 3) PROVIDE ANCHOR STRAPS # 4 BARS - 3 L.F. EA. AT LOCATION SHOWN.
 4) CONCRETE BLOCK CRADLE 1/3 PIPE DIA.

- SPECIAL NOTES:
- 1) THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE FACT THAT THE LOCATION AND ELEVATION OF THE EXISTING 16" WATER MAIN AS REPRESENTED BY THE TYPICAL SECTION WAS BASED ON ORIGINAL INVERT GRADIENT.
 - 2) THE POSSIBILITY EXISTS THAT THE EXISTING 16" WATER MAIN IS PRESENTLY DEPRESSED UNDER THE EXISTING 36" CULVERT.
 - 3) MODIFICATION OF INSTALLATION DURING CONSTRUCTION IF NECESSARY A.O.B.E.
 - 4) THE CONTRACTOR WILL PROVIDE ALL REQUIRED TEST HOLES TO DETERMINE THE RELATIVE LOCATION AND ELEVATION OF THE EXISTING 16" WATER MAIN PRIOR TO INSTALLATION.
 - 5) ALL REQUIRED THRUST BLOCKS WILL BE PLACED A.O.B.E.
 - 6) ELEVATIONS AS INDICATED ARE TENTATIVE.
 - 7) SEWER MAIN RELOCATION @ STA. 109+92 17' RT. EXISTING SEWER IS TO BE MAINTAINED DURING THE CONSTRUCTION OF THE CULVERT PLACEMENT WHICH IS IN CONFLICT WITH THE EXISTING SEWER MAIN.
 - 8) THE CONTRACTOR IS TO PROVIDE NECESSARY PUMPS & IRRIGATION LINE TO TEMPORARILY MAINTAIN SEWER FLOW. PUMPING MAY BE REQUIRED BETWEEN EXISTING MANHOLES LOCATED RT. OF @ STA. 112+42 AND STA. 108+33 RT. PUMPING MAY BE ACCOMPLISHED BY INSERTING A TEMPORARY LINE IN THE SEVERED EXISTING 12" SEWER MAIN AND PLUGGED IN SUCH A MANNER ASSURING NO LEAKAGE.
 - 9) THE CONTRACTOR IS TO SUBMIT A METHOD FOR MAINTAINING TEMPORARY SEWER FLOW. THE METHOD OR SCHEDULE SHALL DENOTE LENGTH OF TIME REQUIRED TO MAKE NECESSARY ALTERATION WITHOUT DISTURBING HOUSE-HOLD SEWER FLOW.
 - 10) COST OF MAINTAINING TEMPORARY SEWER MAIN FLOW IS TO BE INCLUDED IN ITEM 01660.0612 FURNISH AND INSTALL 12" DIA. DUCTILE IRON PIPE.
 - 11) THE CONCRETE AND ANCHOR STRAPS USED IN THRUST BLOCKS SHALL BE INCLUDED IN THE COST OF ITEM 01660.0606 OR ITEM 01660.0616.
 - 12) THE COST OF CLASS A CONCRETE TO FILL IN GAPS AND SEWER CONNECTIONS SHALL BE INCLUDED IN THE COST OF ITEM 01660.0612.
 - 13) ALL REQUIRED SAW CUTS A.O.B.E. IN THE ELLIPTICAL R.C.P. WILL BE PAID FOR UNDER ITEM 603.6611.



TOWN OF BETHELEN, NEW YORK
 DEPARTMENT OF PUBLIC WORKS
 - OFFICE COPY -
 0 1 INCHES 2

ELLIPTICAL CROSSING			
STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION			
DRAWING No. E C	SCALE AS SHOWN	DATE	REGION

DESIGNED BY: [Signature] CHECKED BY: [Signature] DATED: 3-27-75
 REVIEWED BY: [Signature] DATED: 4-19-75
 IN CHARGE OF: [Signature]