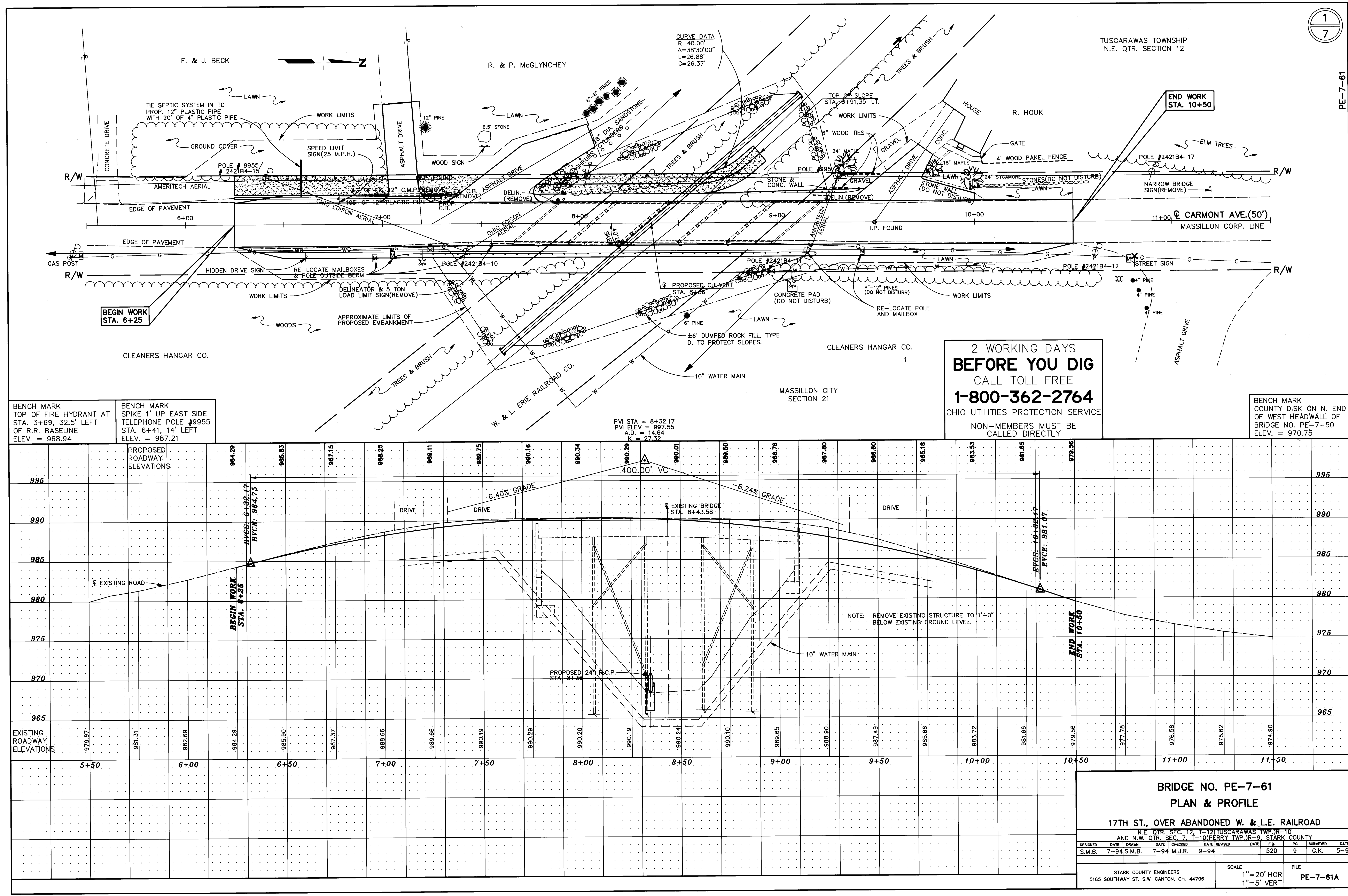
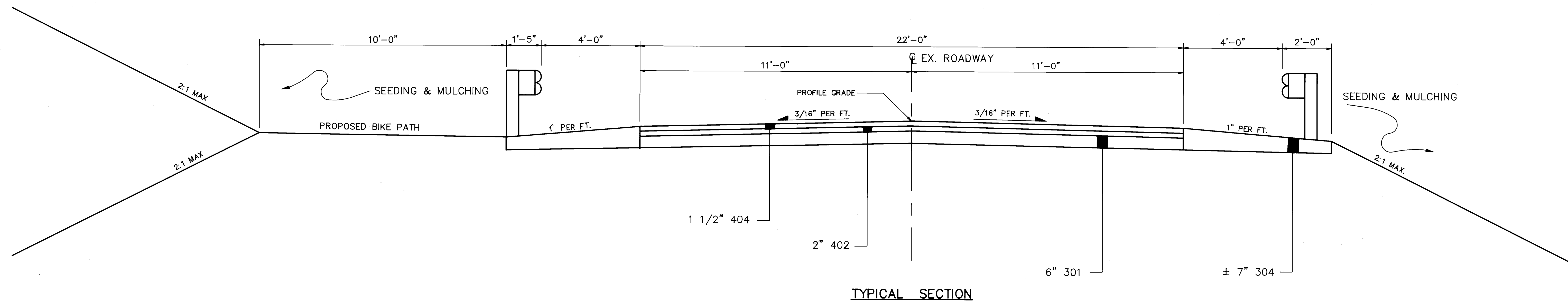
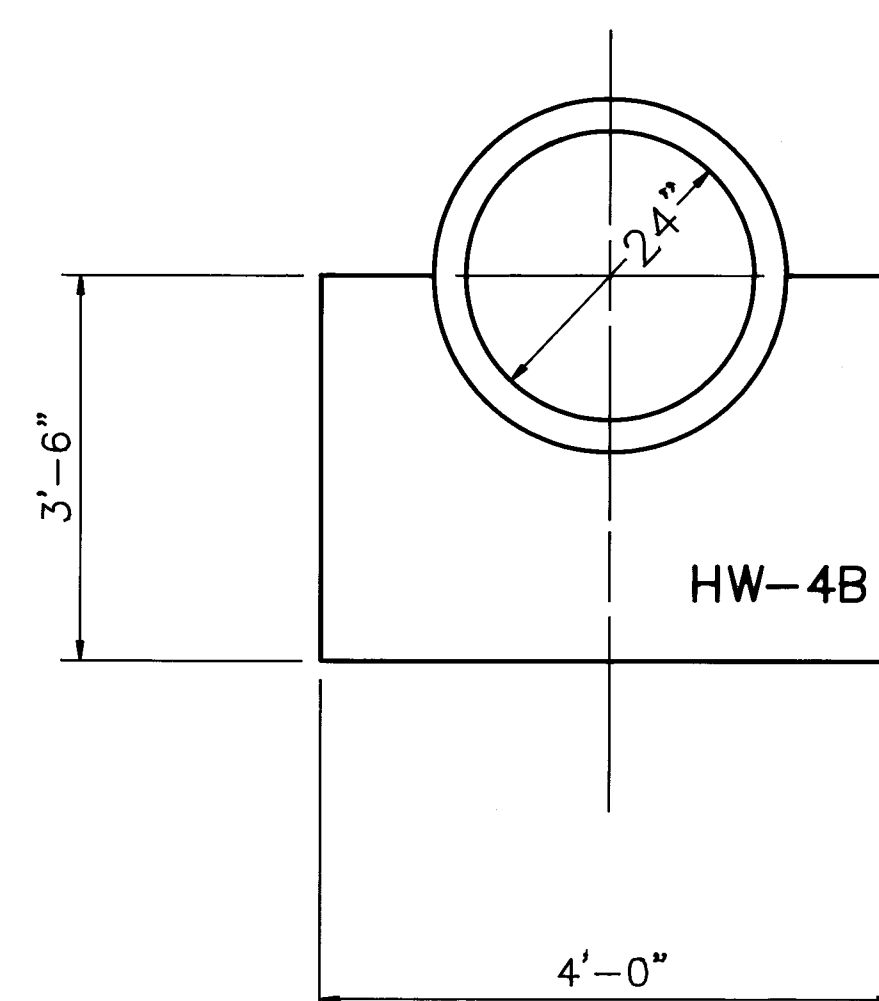
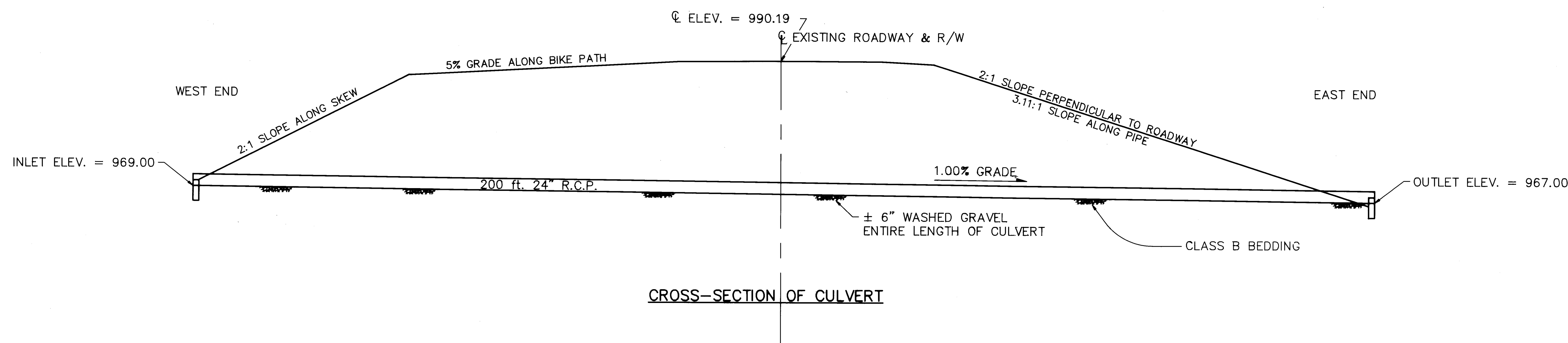


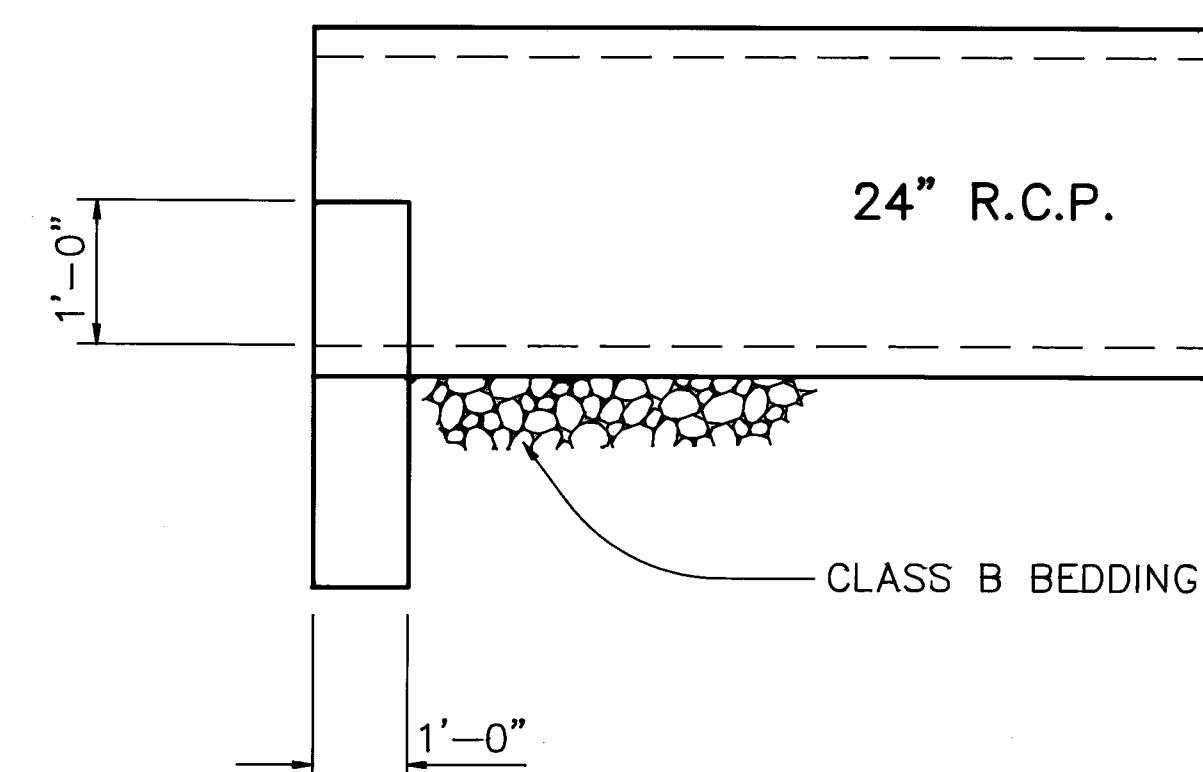




NOTE: DRIVEWAYS SHALL BE CONSTRUCTED OF
6" 304 AGGREGATE BASE AND 2" 404
ASPHALT CONCRETE.



SEE STANDARD CONSTR.
DWG. FOR DETAILS NOT
SHOWN HERE. HW-4B,
4-1-80.



EXISTING STRUCTURE

TYPE: TIMBER DECK ON CONC. ABUTS. & TIMBER PIERS
SPAN: 134'-4" f/f ABUTMENTS
ROADWAY: 20'-0"
SKEW: 40°15' L.F.
ALIGNMENT: TANGENT
DRAINAGE AREA: 2 ACRES
WATERWAY AREA: 1600 S.F.

PROPOSED STRUCTURE

TYPE: 24" R.C.P., 200'-0" LONG
SPAN: 2'-0"
ROADWAY: 22'-0" o/o ASPHALT
SKEW: 40°26' L.F.
ALIGNMENT: TANGENT
WATERWAY AREA: 3 S.F.

STARK COUNTY, OHIO

PE-7-61

TYPICAL SECTION & PIPE DETAILS
17TH ST., OVER ABANDONED W. & L.E. R.R.

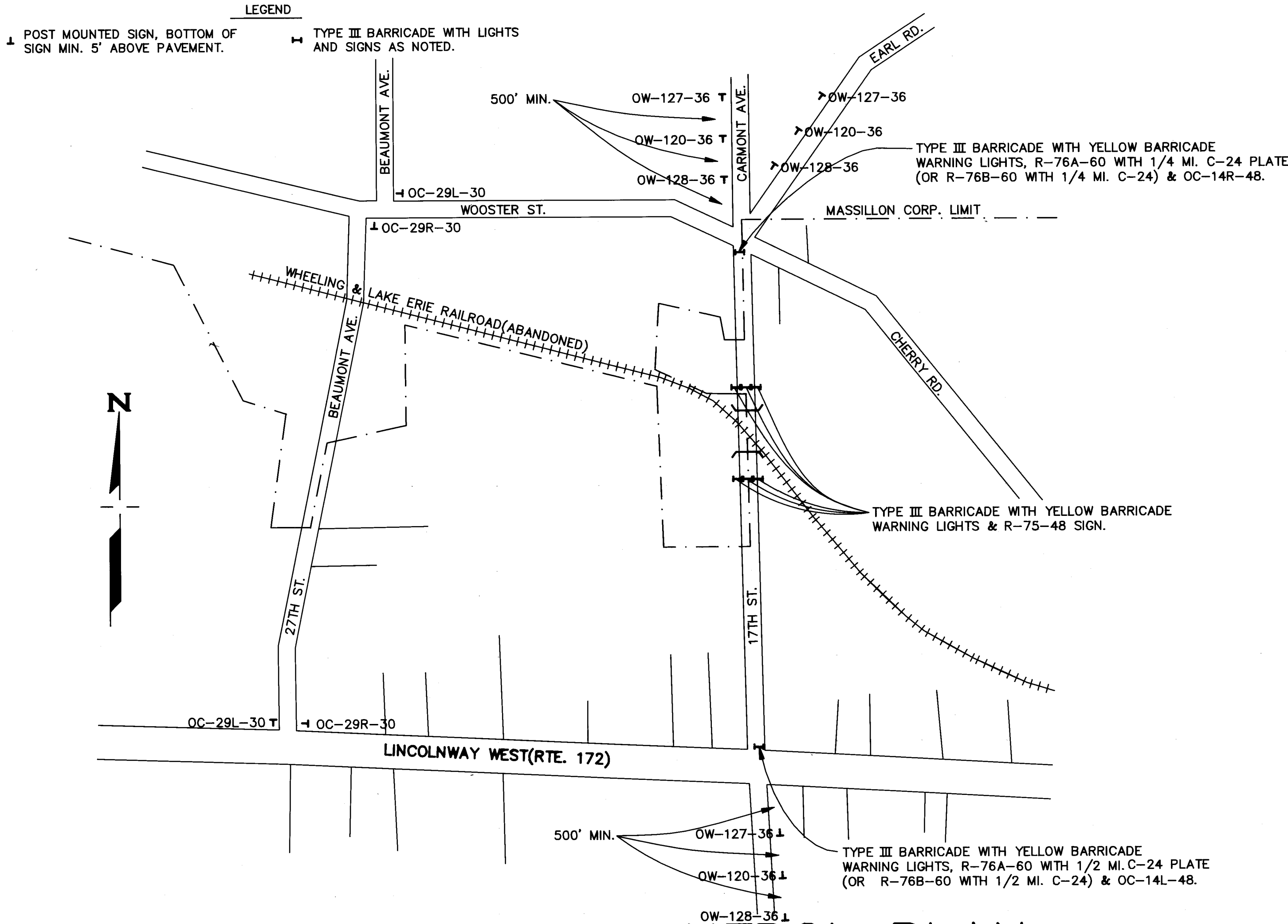
N.W. QTR. SEC. 7, T-10 (PERRY), R-9

DESIGNED	DATE	DRAWN	DATE	CHECKED	DATE	REVISED	DATE	F.B.	PG.	SURVEYED	DATE
S.M.B.	8-94	S.M.B.	8-94	M.J.R.	9-94			520	9	G.K.	5-
STARK COUNTY ENGINEERS 5165 SOUTHWAY ST. S.W. CANTON, OH. 44706						SCALE 1" = 2'		FILE PE-7-61A			

ESTIMATED QUANTITIES

GENERAL NOTES

REF. NO.	ITEM	QUANTITY	UNIT	DESCRIPTION
1	201	LUMP	LUMP	CLEARING & GRUBBING (INCLUDING TREE REMOVAL)
2	202	LUMP	LUMP	STRUCTURE REMOVED
3	202	45	LIN. FT.	PIPE REMOVED
4	202	1	EACH	CATCH BASIN REMOVED
5	203	560	CU. YD.	EXCAVATION NOT INCLUDING EMBANKMENT CONSTRUCTION
6	203	6160	CU. YD.	EMBANKMENT
7	301	190	CU. YD.	BTUMINOUS AGGREGATE BASE
8	304	144	CU. YD.	AGGREGATE BASE
9	402	65	CU. YD.	ASPHALT CONCRETE, AC-20
10	404	48	CU. YD.	ASPHALT CONCRETE, AC-20
11	404	18	CU. YD.	ASPHALT CONCRETE (DRIVEWAYS)
12	601	80	CU. YD.	DUMPED ROCK FILL, APPROX. 1' THICK(SEE SHEET 1)
13	602	1	CU. YD.	CONCRETE MASONRY
14	603	200	LIN. FT.	24" R.C.P., TYPE B
15	603	105	LIN. FT.	12" CONDUIT, TYPE D
16	603	20	LIN. FT.	4" CONDUIT, TYPE D
17	604	1	EACH	CATCH BASIN, TYPE 2-2-B
18	606	362.5	LIN. FT.	GUARDRAIL TYPE 5 W/ WRAP AROUND TERMINALS
19	614	LUMP	LUMP	MAINTAINING TRAFFIC
20	619	LUMP	LUMP	FIELD OFFICE
21	623	LUMP	LUMP	CONSTRUCTION LAYOUT STAKES
22	624	LUMP	LUMP	MOBILIZATION
23	659	1150	SQ. YD.	SEEDING & MULCHING
24	667	150	SQ. YD.	SEEDING & JUTE MATTING (LT. STA. 6+25 TO STA. 7+00)
25	SPECIAL	LUMP	LUMP	CONTINGENCY (SEE NOTE)



TRAFFIC CONTROL PLAN

STRUCTURE REMOVED

THE EXISTING STRUCTURE SHALL BE REMOVED AS FOLLOWS: EXISTING ASPHALT, TIMBER DECK, AND BEAMS SHALL BE REMOVED AND HAULED AWAY BY THE CONTRACTOR. BOTH ABUTMENTS, BOTH PIERS, AND WINGWALLS SHALL BE REMOVED COMPLETELY TO ONE FOOT BELOW EXISTING GROUND LEVEL AND SHALL BE HAULED AWAY. ALL WORK SHALL BE PAID FOR AT THE LUMP SUM PRICE BID FOR ITEM 202, STRUCTURE REMOVED. REMOVAL AND RE-LOCATION OF SIGNS AND MAILBOXES SHALL ALSO BE INCLUDED WITH ITEM 202 FOR PAYMENT.

EXISTING STRUCTURE VERIFICATION

DETAILS AND DIMENSIONS SHOWN ON THESE PLANS PERTAINING TO THE EXISTING STRUCTURE HAVE BEEN OBTAINED FROM PLANS OF THE EXISTING STRUCTURE AND/OR FROM FIELD OBSERVATIONS AND MEASUREMENTS. CONSEQUENTLY, THEY ARE INDICATIVE OF THE EXISTING STRUCTURE AND THE PROPOSED WORK BUT THEY SHALL BE CONSIDERED TENTATIVE AND APPROXIMATE.

CONTRACT BID PRICES SHALL BE BASED UPON A RECOGNITION OF THE UNCERTAINTIES DESCRIBED ABOVE AND UPON A PREBID EXAMINATION OF THE EXISTING STRUCTURE BY THE CONTRACTOR. HOWEVER, ALL PROJECT WORK SHALL BE BASED UPON ACTUAL DETAILS AND DIMENSIONS WHICH HAVE BEEN VERIFIED BY THE CONTRACTOR IN THE FIELD.

UTILITIES NOTIFICATION

AT LEAST TWO WORKING DAYS PRIOR TO COMMENCING CONSTRUCTION OPERATIONS IN AN AREA WHICH MAY INVOLVE UNDERGROUND UTILITY FACILITIES, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER, THE REGISTERED UTILITY PROTECTION SERVICE AND THE OWNERS OF EACH UNDERGROUND UTILITY FACILITY SHOWN IN THE PLANS.

THE OWNER OF THE UNDERGROUND UTILITY FACILITY SHALL, WITHIN FORTY-EIGHT HOURS, EXCLUDING SATURDAYS, SUNDAYS, AND LEGAL HOLIDAYS, AFTER NOTICE IS RECEIVED, STAKE, MARK OR OTHERWISE DESIGNATE THE LOCATION OF THE UNDERGROUND UTILITY FACILITIES IN THE CONSTRUCTION AREA IN SUCH A MANNER AS TO INDICATE THEIR COURSE TOGETHER WITH THE APPROXIMATE DEPTH AT WHICH THEY WERE INSTALLED. THE MARKING OR LOCATING SHALL BE COORDINATED TO STAY APPROXIMATELY TWO DAYS AHEAD OF THE PLANNED CONSTRUCTION.

THE FOLLOWING UTILITIES AND OWNERS ARE LOCATED WITHIN THE WORK LIMITS OF THE PROJECT:

AMERITECH/OHIO BELL
2525 STATE RD.
CUYAHOGA FALLS, OH 44223

OHIO WATER SERVICE CO.
123 3RD ST., S.E.
MASSILLON, OH 44646

EAST OHIO GAS CO.
4725 SOUTHWAY ST., S.W.
CANTON, OH 44706-1936

OHIO EDISON CO.
2600 ERIE AVE., S.E.
MASSILLON, OH 44646

MASSILLON CABLE TV
P.O. BOX 814
MASSILLON, OH 44646

STANDARD DRAWINGS AND SUPPLEMENTAL SPECIFICATIONS

HW-4B	DATED (REVISED)	4-1-80
BP-5	DATED (REVISED)	10-1-87
GR-2.2	DATED (REVISED)	5-6-81

SEEDING & MULCHING

QUANTITIES FOR SEEDING ARE CALCULATED FOR THE SOIL AREAS ON THE NEW EMBANKMENT AND ANY OTHER AREAS DISTURBED BY CONSTRUCTION.

LOCATION OF GUARDRAIL

THE LOCATIONS OF GUARDRAIL RUNS, AS SHOWN IN THESE PLANS, ARE SUBJECT TO ADJUSTMENT PRIOR TO ERECTION. THE ENGINEER SHALL BE SATISFIED THAT ALL INSTALLATIONS WILL AFFORD MAXIMUM PROTECTION FOR THE TRAFFIC.

UNDERGROUND UTILITIES

THE LOCATIONS OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS HAVE BEEN OBTAINED BY DILIGENT FIELD CHECKS AND SEARCHES OF AVAILABLE RECORDS. IT IS BELIEVED THAT THEY ARE ESSENTIALLY CORRECT, BUT STARK COUNTY DOES NOT GUARANTEE THEIR ACCURACY OR COMPLETENESS.

EXISTING PAVEMENT MAINTENANCE

IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN AND REPAIR ANY PAVEMENT OR BERM OUTSIDE THE WORK LIMITS THAT IS DAMAGED BY HIS EQUIPMENT.

FIELD OFFICE

THE CONTRACTOR SHALL PROVIDE A SUITABLE FIELD OFFICE HAVING A MINIMUM OF 150 SQ. FT. OF OFFICE SPACE IN ADDITION TO THE REQUIREMENTS OF ITEM 619. HE SHALL PROVIDE AND MAINTAIN SANITARY PROVISIONS AS PER 107.06. ALL THE ABOVE IS INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 619, FIELD OFFICE.

EMBANKMENT

WHERE NEW EMBANKMENT IS TO BE COMPACTED AGAINST EXISTING EMBANKMENTS IT SHALL BE CONTINUOUSLY BENCHMARKED OVER THOSE AREAS WHERE IT IS REQUIRED AS THE WORK IS BROUGHT UP IN LAYERS, IN ACCORDANCE WITH 203.09. THE EMBANKMENT QUANTITY SHOWN HAS BEEN INCREASED BY 15% FROM THE CALCULATED QUANTITY TO ACCOUNT FOR SHRINKAGE.

EMBANKMENT MATERIAL SHALL BE SPREAD IN SUCCESSIVE LOOSE LAYERS, NOT TO EXCEED 8 INCHES IN THICKNESS AND COMPACTED AS SPECIFIED IN 203.09.

1995 SPECIFICATIONS

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, DATED JANUARY 1, 1995, INCLUDING CHANGES AND SUPPLEMENTAL SPECIFICATIONS, SHALL GOVERN THIS IMPROVEMENT. THE ENGINEER SHALL BE THE STARK COUNTY BRIDGE ENGINEER OR HIS REPRESENTATIVE.

TRAFFIC MAINTENANCE

THE CONTRACTOR SHALL MAINTAIN TRAFFIC AT ALL TIMES ON THE PROJECT IN ACCORDANCE WITH ITEM 614, THE TRAFFIC CONTROL PLAN SHOWN ON THIS SHEET AND AS DESCRIBED BELOW.

ALL TRAFFIC CONTROL DEVICES NECESSARY TO MAINTAIN AND PROTECT TRAFFIC AND THE WORK SHALL BE FURNISHED, ERECTED, MAINTAINED, AND REMOVED BY THE CONTRACTOR IN CONFORMANCE WITH THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. IN ADDITION TO THE GENERAL REQUIREMENTS OF ITEM 614, THE CONTRACTOR SHALL FURNISH, ERECT, MAINTAIN, AND SUBSEQUENTLY REMOVE THE REQUIRED CONSTRUCTION TRAFFIC CONTROL DEVICES INCLUDING: THE WARNING SIGNS IN ADVANCE OF THE DETOUR POINTS, THE BARRICADES, LIGHTS AND SIGNS AT THE DETOUR POINTS, AND THE TRAILBLAZING DETOUR SIGNS ON THE DETOUR ROUTE.

ALL SIGNS REQUIRED TO BE INSTALLED BY THE CONTRACTOR SHALL BE ERECTED ON THEIR OWN POSTS. THE CONTRACTOR SHALL NOT USE ANY EXISTING SIGN POST TO MOUNT A CONSTRUCTION TRAFFIC CONTROL SIGN.

THE COUNTY ENGINEER WILL PROVIDE TO THE CONTRACTOR THE NECESSARY STREET NAME SIGN PLAQUES TO INSTALL WITH THE OC-29 TRAILBLAZING SIGN. THE STREET NAME SIGNS ARE TO BE MOUNTED ON THE SAME POST AS AND ABOVE THE OC-29 TRAILBLAZING SIGNS. THE STREET NAME PLAQUES WILL BE MADE AVAILABLE TO THE CONTRACTOR ONE WEEK PRIOR TO THE CLOSURE AT THE ENGINEER'S FACILITY AT 5165 SOUTHWAY STREET. THE CONTRACTOR SHALL MAKE THE NECESSARY ARRANGEMENTS TO ACQUIRE THE STREET NAME SIGNS, ERECT, MAINTAIN, REMOVE, AND RETURN THE STREET NAME SIGNS TO THE ENGINEER'S FACILITY.

THE CONTRACTOR SHALL TAKE NOTICE OF THE REQUIREMENT OF THE SECOND PARAGRAPH OF 614.03. DEVICES USING OTHER THAN TYPE G SHEETING ARE NOT ACCEPTABLE.

THE CONTRACTOR SHALL INSTALL TEMPORARY YELLOW CENTERLINE MARKINGS TO ALL PAVEMENT COURSES EXPOSED TO TRAFFIC AT THE END OF EACH DAY'S OPERATION. TEMPORARY YELLOW CENTERLINES SHALL CONSIST OF 48" x 4" SEGMENTS SPACED AT A MAXIMUM 40 FEET CENTER TO CENTER. THE MARKINGS ARE TO BE ACCURATELY LOCATED IN A TRUE LINE FOR CENTERLINE MARKINGS.

TEMPORARY PAVEMENT MARKINGS MAY BE EITHER 621.02 PAINT OR 947.03 TYPE B PREFORMED MATERIAL, EXCEPT NO PREFORMED MATERIAL CONTAINING METAL SHALL BE PLACED ON ANY SURFACE.

PAINTED MARKINGS SHALL BE IN ACCORDANCE WITH 621 EXCEPT THAT: (1) PARAGRAPH 621.14 SHALL NOT APPLY; (2) WHERE THE MARKINGS ARE NOT LIABLE TO BE TRACKED, EITHER CONVENTIONAL OR FAST DRY PAINT MAY BE USED FOR 621.02; AND (3) WHEN APPLIED TO NEW ASPHALT PAVEMENT SURFACES OR PLANED ASPHALT SURFACES, THE SPECIFIED APPLICATION RATE SHALL BE SIX GALLONS PER MILE OF DASHED LINE.

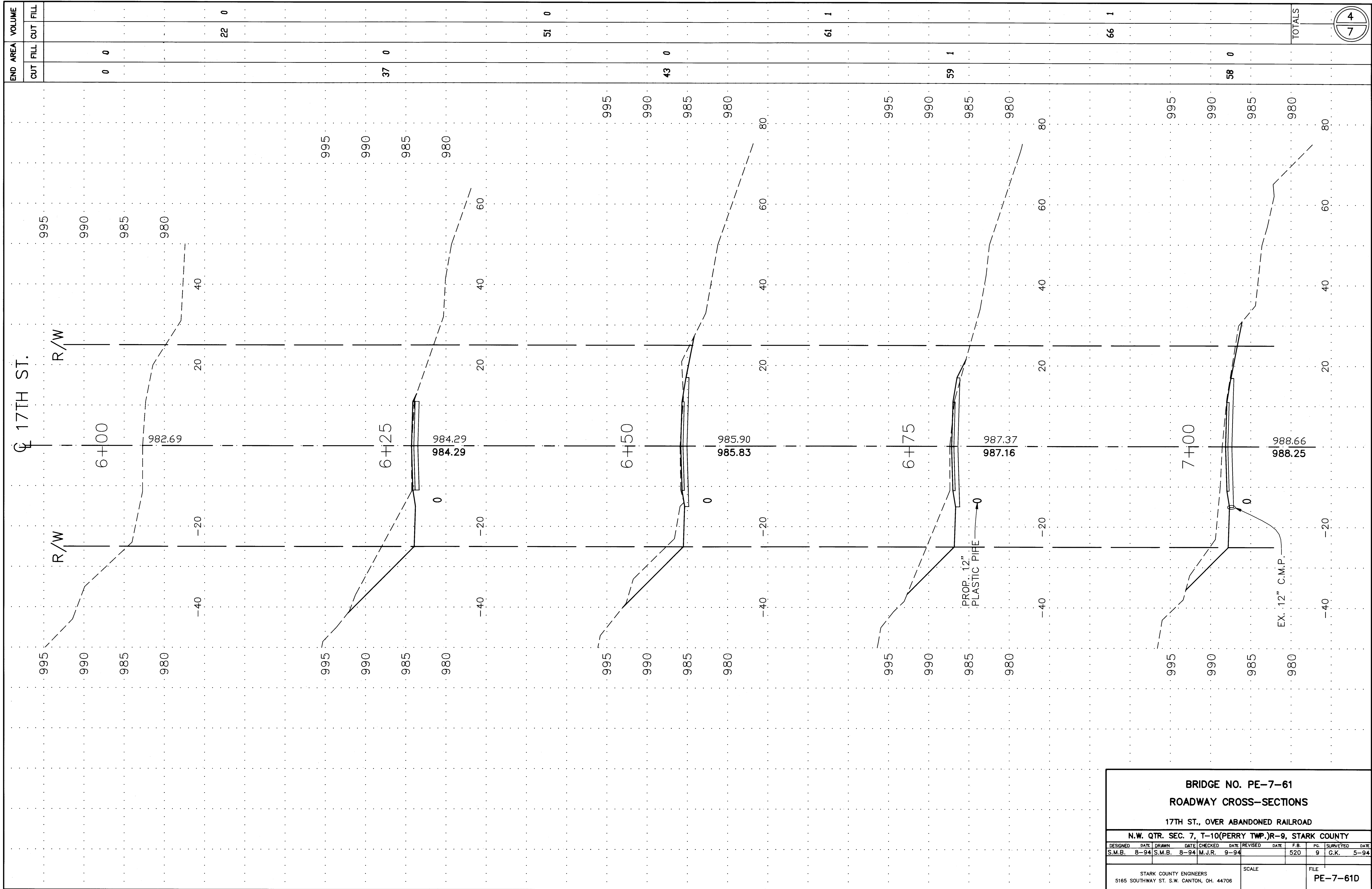
THE CONTRACTOR SHALL PROVIDE AT LEAST TWO WEEKS NOTICE TO THE COUNTY ENGINEER PRIOR TO THE ROAD CLOSURE. THE COUNTY ENGINEER WILL PREPARE A NEWS RELEASE TO INFORM THE GENERAL PUBLIC OF THE ROAD CLOSURE AND WILL ALSO NOTIFY THE VARIOUS EMERGENCY SERVICES IN THE AREA. THE CONTRACTOR SHALL ALSO SUPPLY THE COUNTY ENGINEER WITH A 24 HOUR TELEPHONE NUMBER, OR AT LEAST TWO TELEPHONE NUMBERS FOR TWO DIFFERENT INDIVIDUALS AUTHORIZED BY THE CONTRACTOR TO RESTORE DAMAGED, REPLACE MISSING, REPAIR INOPERABLE, OR MAKE ANY OTHER NEEDED MAINTENANCE OF THE REQUIRED TRAFFIC CONTROL DEVICES DURING NON-SCHEDULED WORK HOURS. THESE TELEPHONE NUMBERS SHALL BE PROVIDED PRIOR TO ANY WORK BEING STARTED.

PAYMENT FOR THIS WORK SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR "ITEM 614, MAINTAINING TRAFFIC."

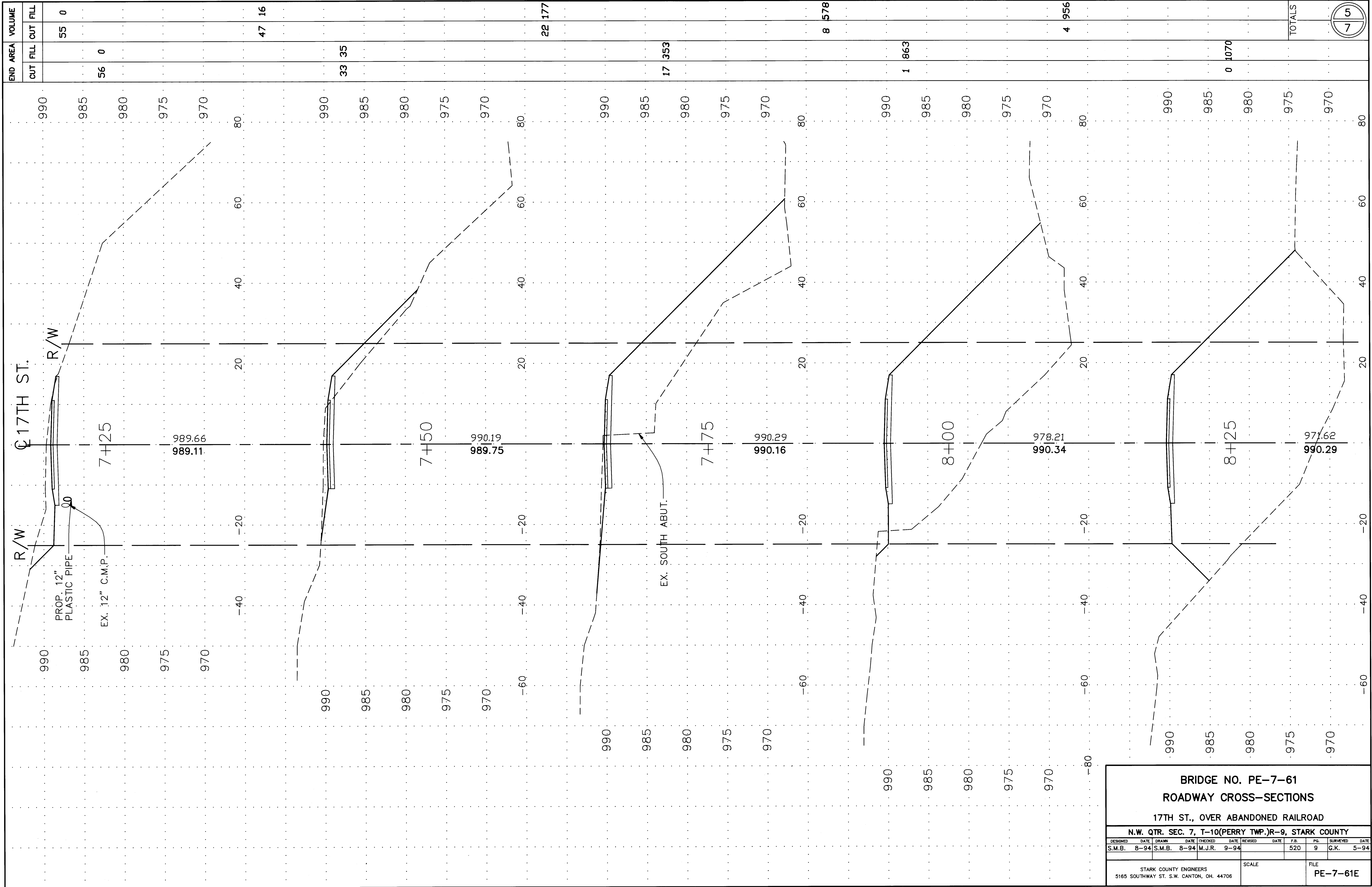
CONTINGENCY

A CONTINGENCY ITEM IN THE AMOUNT OF \$10,000.00 IS INCLUDED IN THE CONTRACT. THE CONTINGENCY OR ANY PART THEREOF MAY ONLY BE USED UPON THE WRITTEN AUTHORIZATION OF THE COUNTY. THE PURPOSE OF THE CONTINGENCY IS TO ENSURE THE COMPLETION OF THE PROJECT. AT THE TIME OF THE PROJECT CLOSEOUT, ANY UNUSED AMOUNTS REMAINING IN THE CONTINGENCY FUND SHALL BE CREDITED TO THE COUNTY. THE CONTINGENCY ITEM IS SOLELY FOR THE BENEFIT OF THE COUNTY.

STARK COUNTY, OHIO											
PE-7-61											
QUANTITIES AND TRAFFIC NOTES											
17TH ST., OVER ABANDONED W. & L.E. R.R.											
N.W. QTR. SEC. 7, T-10(PERRY), R-9											
DESIGNED	DATE	DRAWN	DATE	CHECKED	DATE	REVIEWED	DATE	P.E.	DATE	SURVEYED	DATE
S.M.B.	8-84	S.M.B.	8-84	M.J.R.	8-84			S.S.O.	9	G.C.	8-84
STARK COUNTY ENGINEERS								SCALE		FILE	
5165 SOUTHWAY ST. S.W. CANTON, OH. 44706										PE-7-61A	



BRIDGE NO. PE-7-61									
ROADWAY CROSS-SECTIONS									
17TH ST., OVER ABANDONED RAILROAD									
N.W. QTR. SEC. 7, T-10(PERRY TWP.)R-9, STARK COUNTY									
DESIGNED	DATE	DRAWN	DATE	CHECKED	DATE	REVISED	DATE	F.B.	PG.
S.M.B.	8-94	S.M.B.	8-94	M.J.R.	9-94			520	9
STARK COUNTY ENGINEERS 5165 SOUTHWAY ST. S.W. CANTON, OH. 44706								SCALE	FILE
									PE-7-61D



BRIDGE NO. PE-7-61

ROADWAY CROSS-SECTIONS

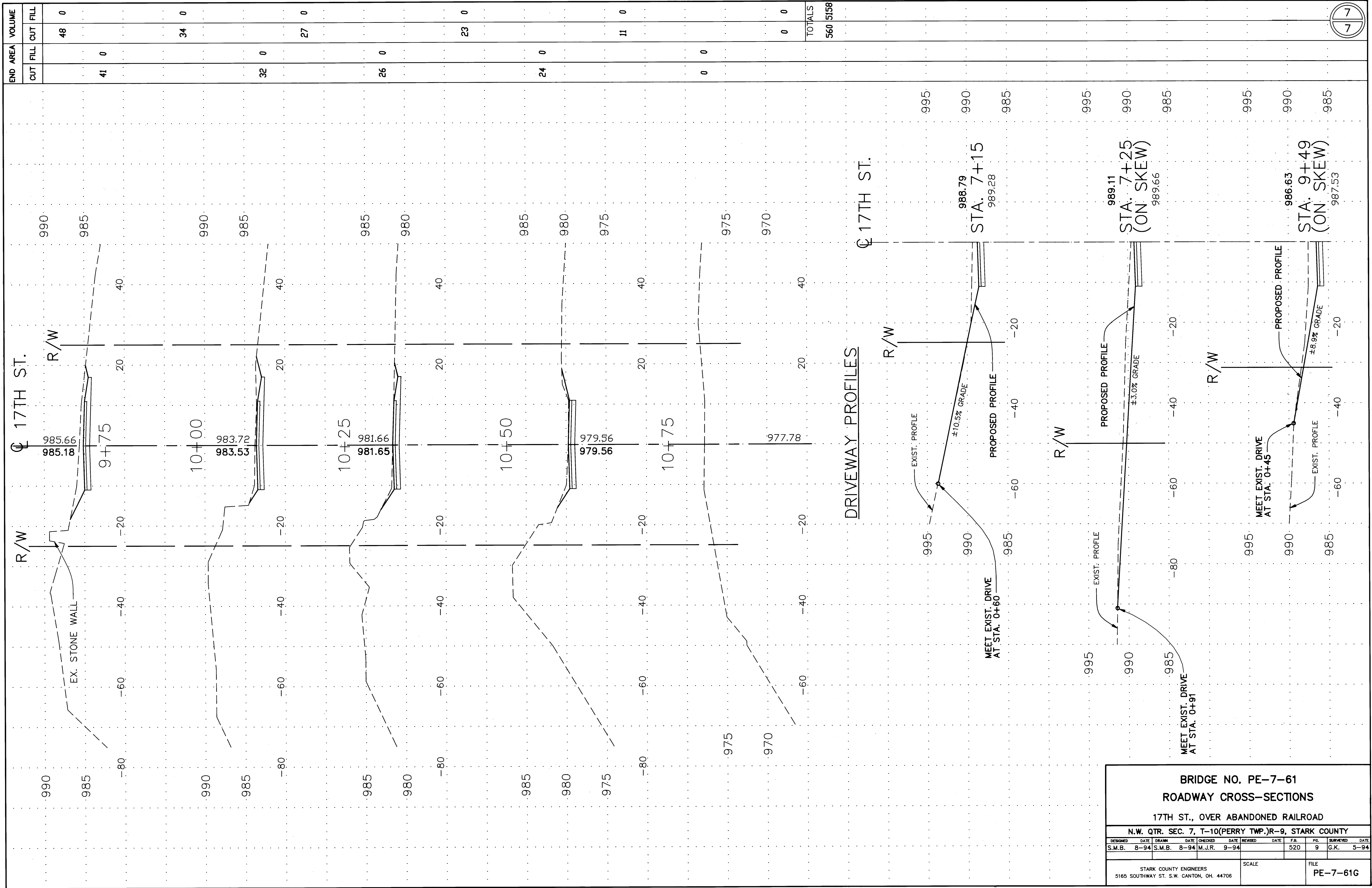
17TH ST., OVER ABANDONED RAILROAD

N.W. QTR. SEC. 7, T-10(PERRY TWP.-R-9, STARK COUNTY											
DESIGNED	DATE	DRAWN	DATE	CHECKED	DATE	REVISED	DATE	P.B.	P.S.	SURVEYED	DATE
S.M.B.	8-94	S.M.B.	8-94	M.J.R.	9-94			520	9	G.K.	5-94

STARK COUNTY ENGINEERS
5165 SOUTHWAY ST. S.W. CANTON, OH. 44706

SCALE

FILE
PE-7-61E



BRIDGE NO. PE-7-61											
ROADWAY CROSS-SECTIONS											
17TH ST., OVER ABANDONED RAILROAD											
N.W. QTR. SEC. 7, T-10(PERRY TWP.)R-9, STARK COUNTY											
DESIGNED	DATE	DRAWN	DATE	CHECKED	DATE	REVISED	DATE	F.B.	P.C.	SURVEYED	DATE
S.M.B.	8-94	S.M.B.	8-94	M.J.R.	9-94			520	9	G.K.	5-94
STARK COUNTY ENGINEERS 5165 SOUTHWAY ST. S.W. CANTON, OH. 44706								SCALE		FILE PE-7-61G	