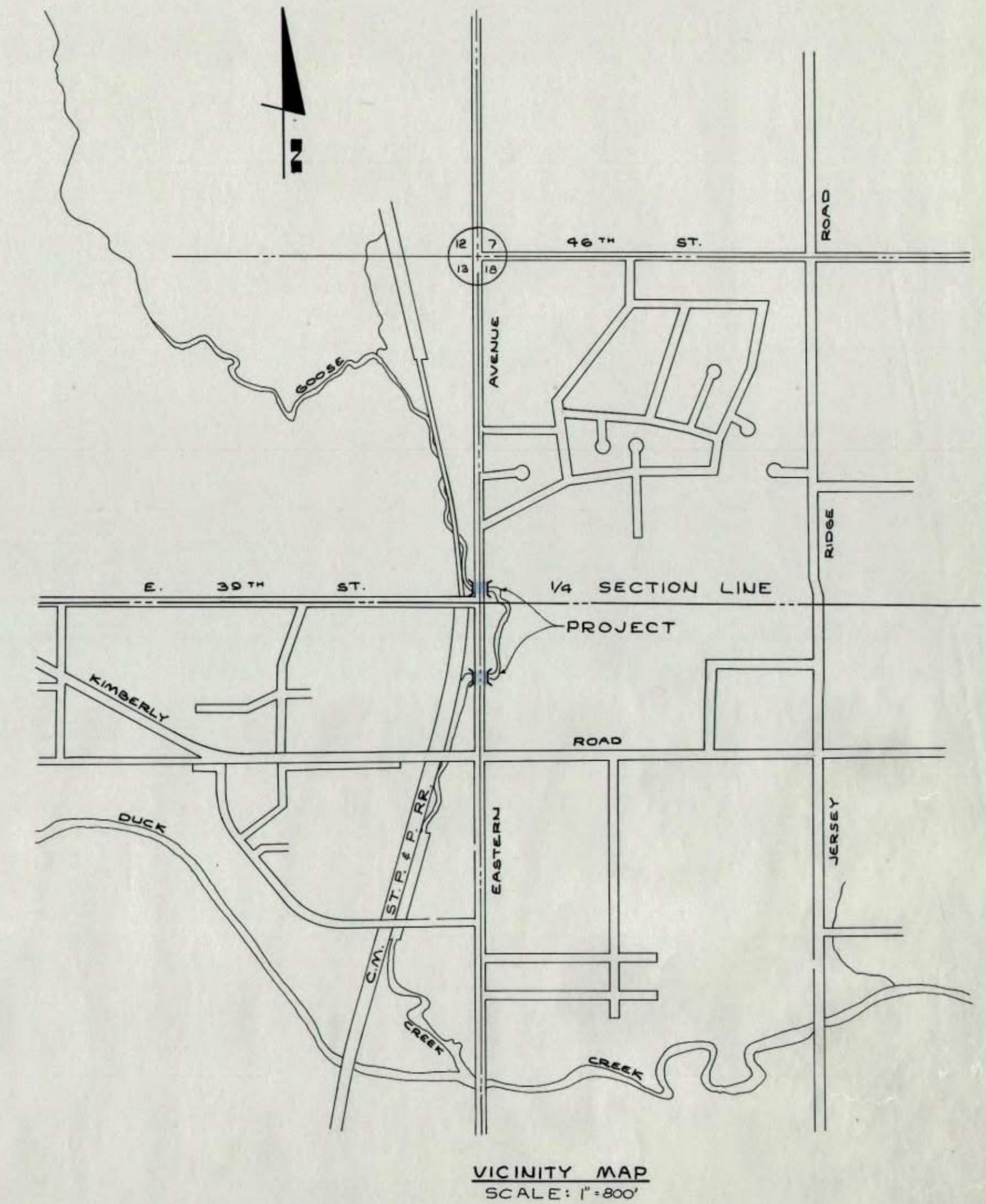
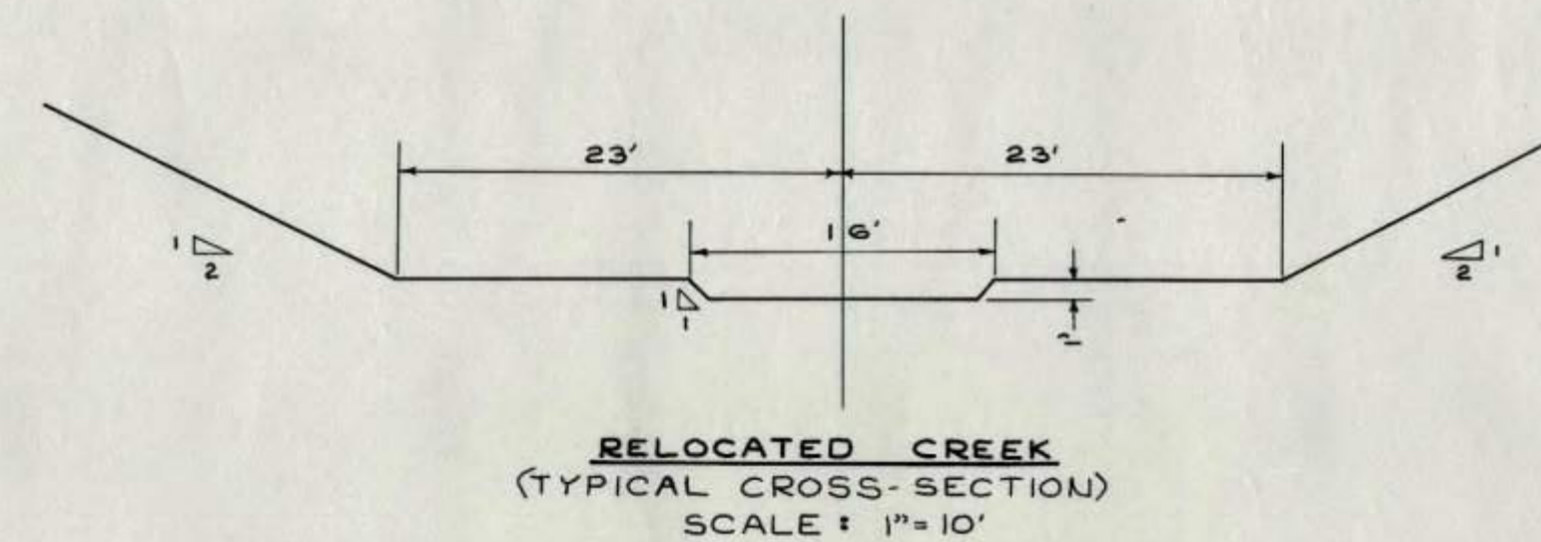
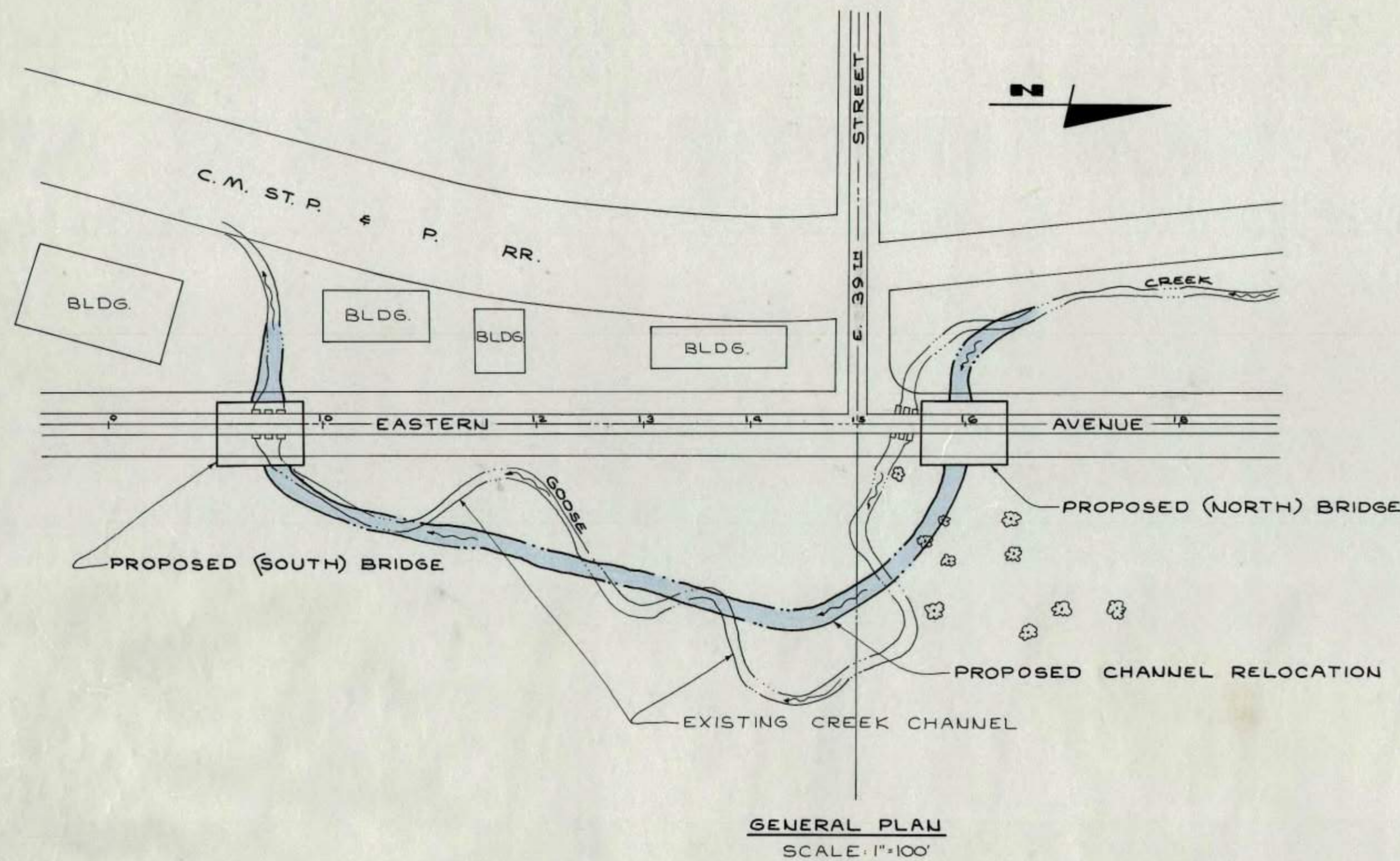


EASTERN AVENUE BRIDGES AND CREEK RELOCATION AT GOOSE CREEK IN THE CITY OF DAVENPORT, IOWA SECTION 13, R3E, T78N SECTION 18, R4E, T78N



BRIDGE DESCRIPTION

0° SKEW	
SIMPLE SLAB - 3 SPANS @ 27'-0"	81'-0"
2 CONTINUOUS PIERS @ 1'-6" WIDTH	
ROADWAY WIDTH	48'-0"
CURB WIDTH	2 @ 1'-6" = 3'-0"
SIDEWALKS	2 @ 6'-0" = 12'-0"
TOTAL WIDTH	63'-0"

HYDRAULIC INFORMATION

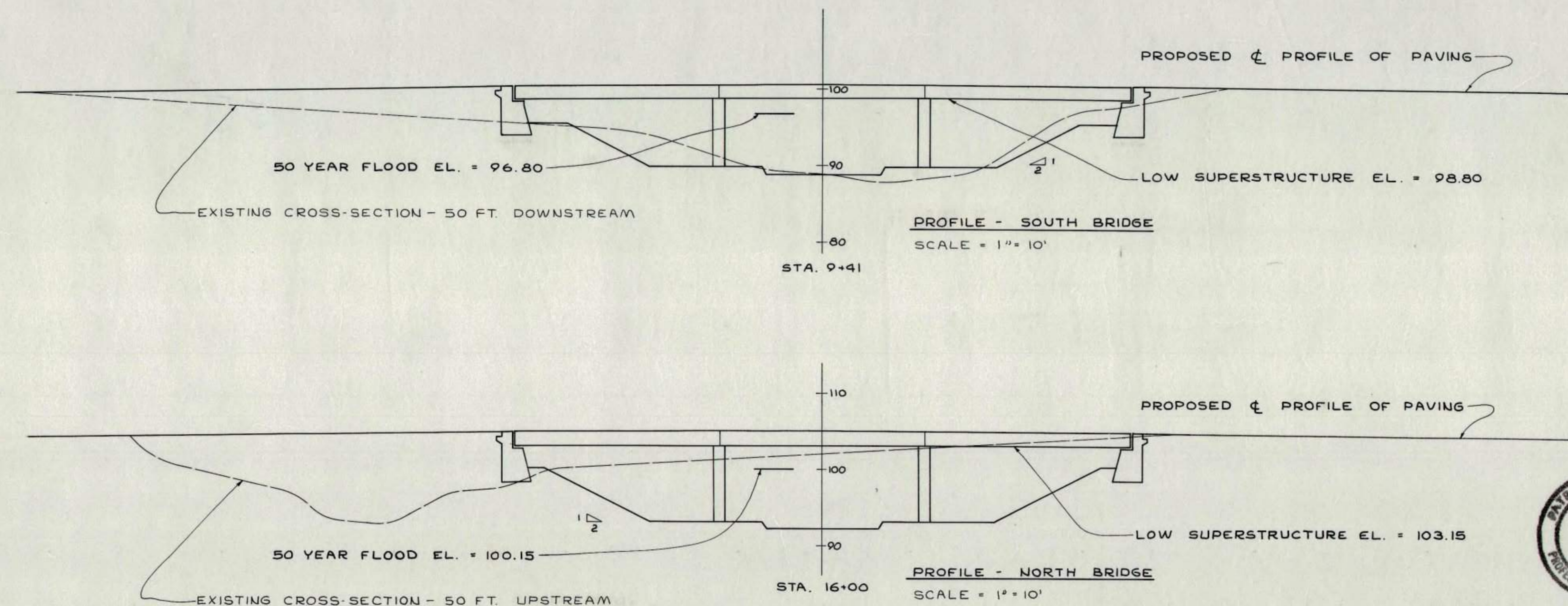
HIGH WATER	NOT AVAILABLE
DRAINAGE AREA	7.81 SQ. MILES
DESIGN DISCHARGE	Q ₅₀ = 3,150 cfs
LOW SUPERSTRUCTURE	EL. = 98.80 DCD
WATERWAY OPENING	482 SF.
SKEW ANGLE	0°

BRIDGE DESCRIPTION

0° SKEW	
SIMPLE SLAB - 3 SPANS @ 27'-0"	81'-0"
2 CONTINUOUS PIERS @ 1'-6" WIDTH	
ROADWAY WIDTH	48'-0"
CURB WIDTH	2 @ 1'-6" = 3'-0"
SIDEWALKS	2 @ 6'-0" = 12'-0"
TOTAL WIDTH	63'-0"

HYDRAULIC INFORMATION

HIGH WATER	NOT AVAILABLE
DRAINAGE AREA	7.81 SQ. MILES
DESIGN DISCHARGE	Q ₅₀ = 3,150 cfs
LOW SUPERSTRUCTURE	EL. = 103.15 DCD
WATERWAY OPENING	638 S.F.
SKEW ANGLE	0°



INDEX TO SHEETS
SHEET 1 - TITLE SHEET
SHEET 2 - PLAN & PROFILE
SHEET 3 - PLAN & PROFILE

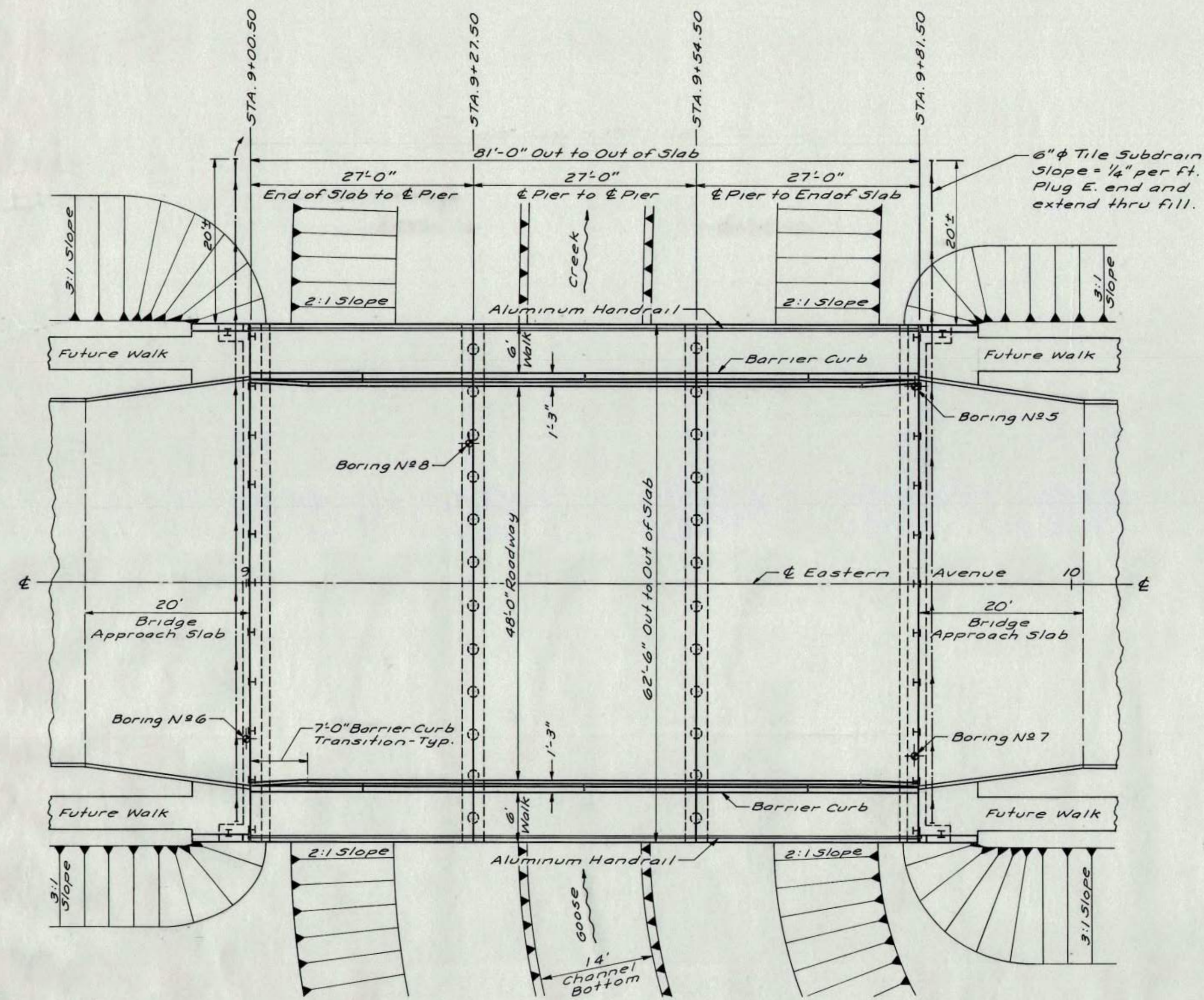
GENERAL NOTES
- ELEVATIONS SHOWN ARE TO DAVENPORT CITY DATUM, 0.00 D.C.D. = 537.36 USGS.



I hereby certify that this plan, specification or report was prepared by me or under my direct personal supervision and that I am a duly registered Professional Engineer under the laws of the State of Iowa.

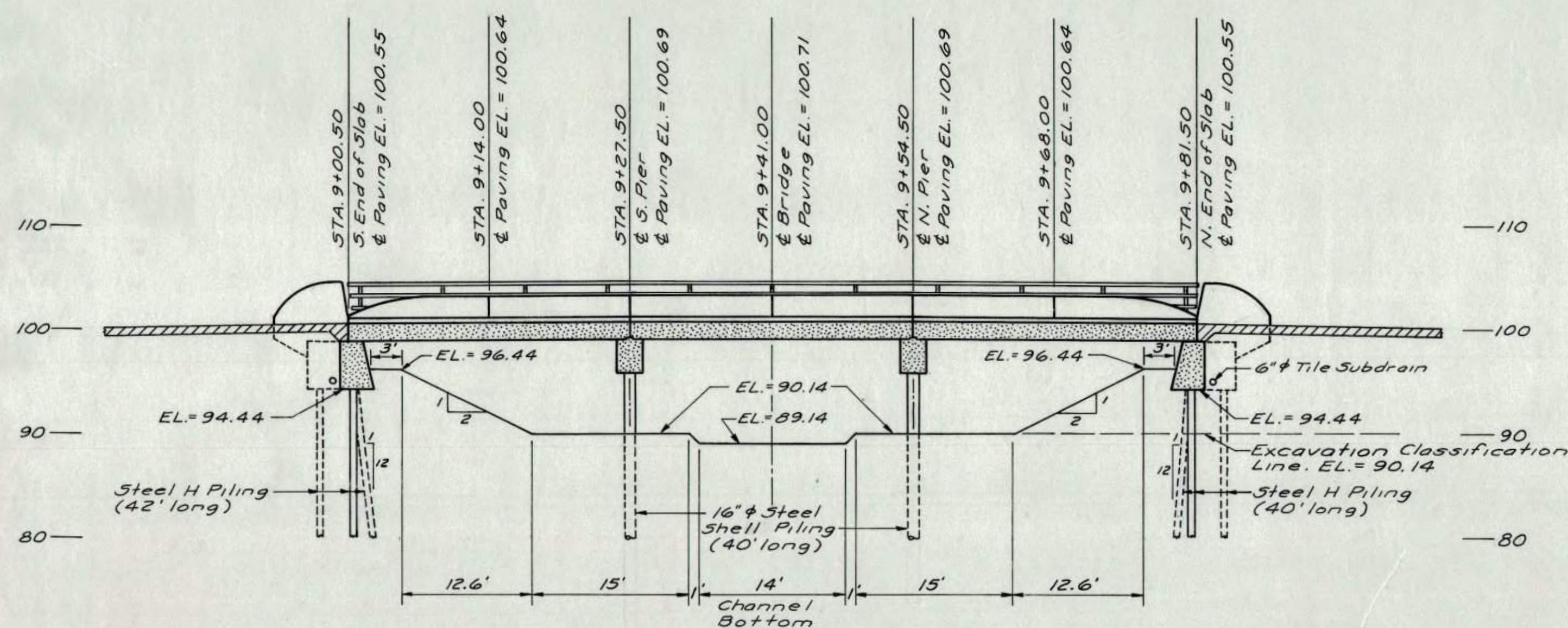
Signature: *Patrick McGrath* Date: *10-8-75*
PATRICK MCGRATH, P.E. Iowa Reg. No. 5466

OFFICE OF THE CITY ENGINEER DAVENPORT, IOWA			
PROJECT: EASTERN AVE. BRIDGES & CREEK RELOC.			
LOCATION: EASTERN AVE. AT GOOSE CREEK			
DESIGNED BY: GELIE H.	DATE: 3/30/75	REV: 10-8-75	
DRAWN BY: GARY K.	HORIZ SCALE AS SHOWN		
SEWER	VERT SCALE AS SHOWN		
WATER	BOOK		
GAS	PAGE		
TELE	SHEET 1 OF		
ELEC			



SITUATION PLAN

SCALE: 1"=10'



LONGITUDINAL SECTION AT & OF ROADWAY

SCALE: 1"=10'

GENERAL NOTES:

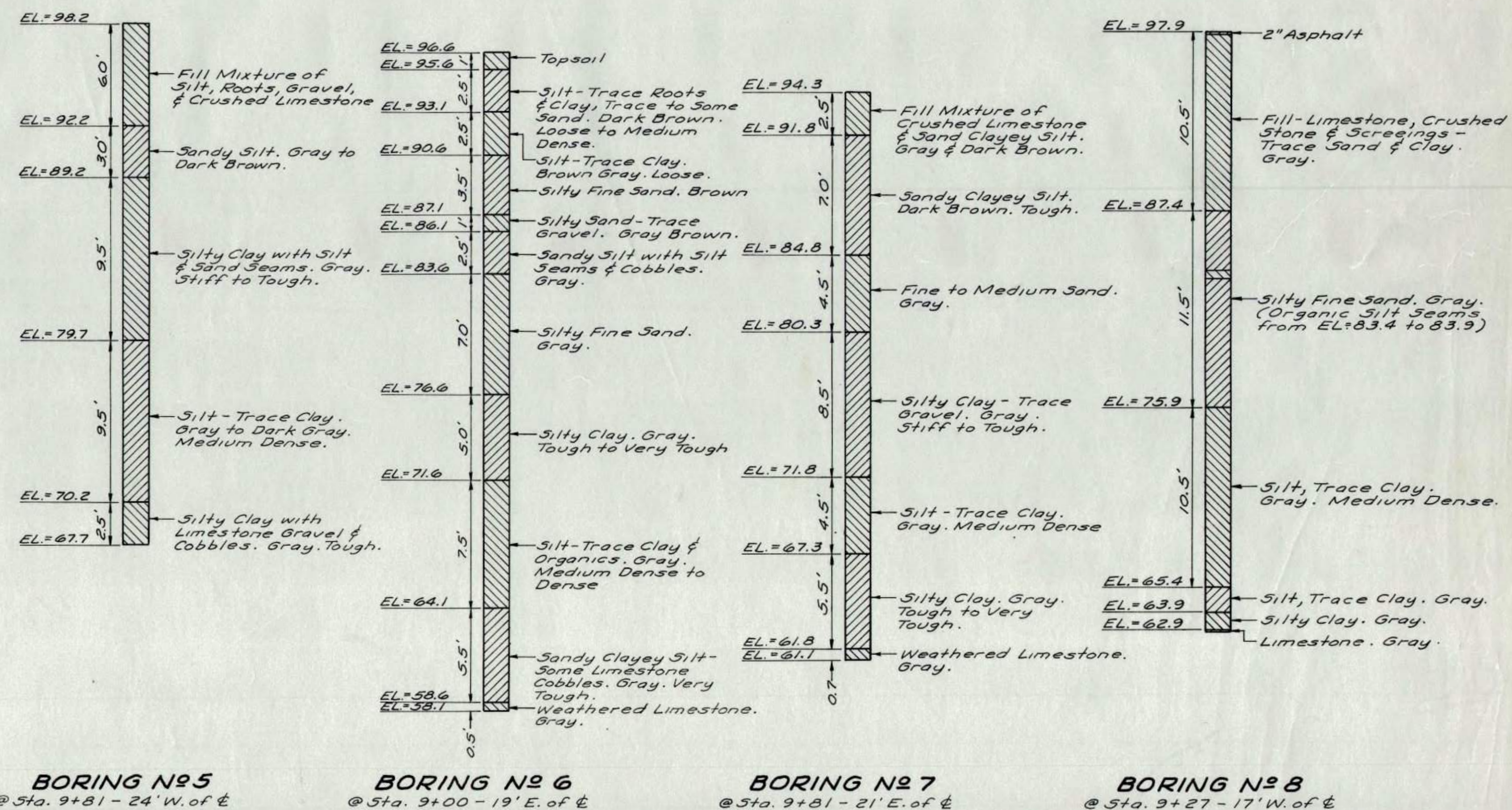
All elevations are to Davenport City Datum. (D.C.D.).
EL. 0.00 D.C.D. = EL. 537.36 Mean Sea Level.
B.M.: Top of Hydrant at Sta. 7+99 W. EL. = 99.39 (D.C.D.).
B.M.: Top of Hydrant at the SW. corner of 39TH Street
& Eastern Ave. EL. = 103.31 (D.C.D.).

HYDRAULIC INFORMATION:

High Water _____ Not Available
Drainage Area _____ 7.81 Sq. Miles
Design Discharge _____ 3,150 c.f.s.
Low Superstructure _____ EL. = 98.80 (D.C.D.)
Skew Angle _____ 0°
Waterway Opening _____ 482 Sq. Ft.

SPECIFICATION:

Design: Current AASHTO Standard Specifications for Highway Bridges.
Construction: Current Standard Specifications of the Iowa Department of Transportation and Current Supplemental Specifications.
Iowa Natural Resources Council Order N# 75-143.



SOIL BORINGS

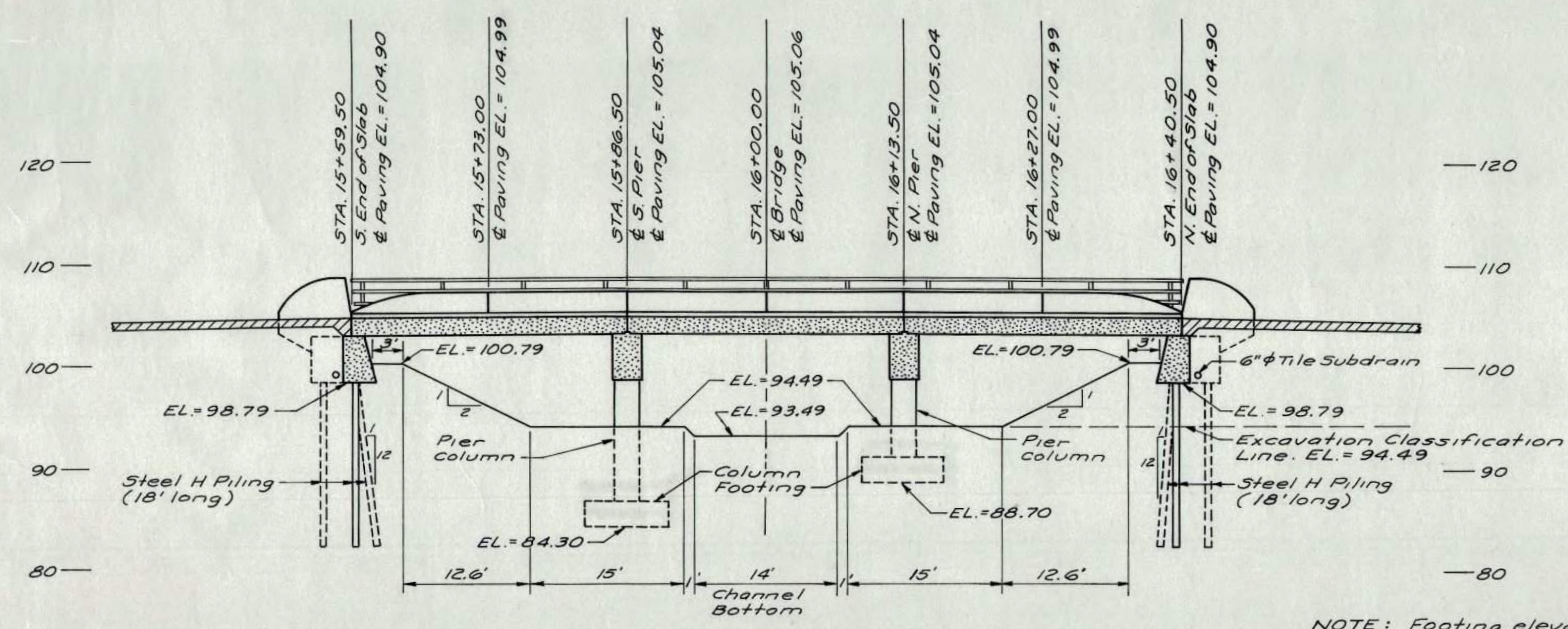
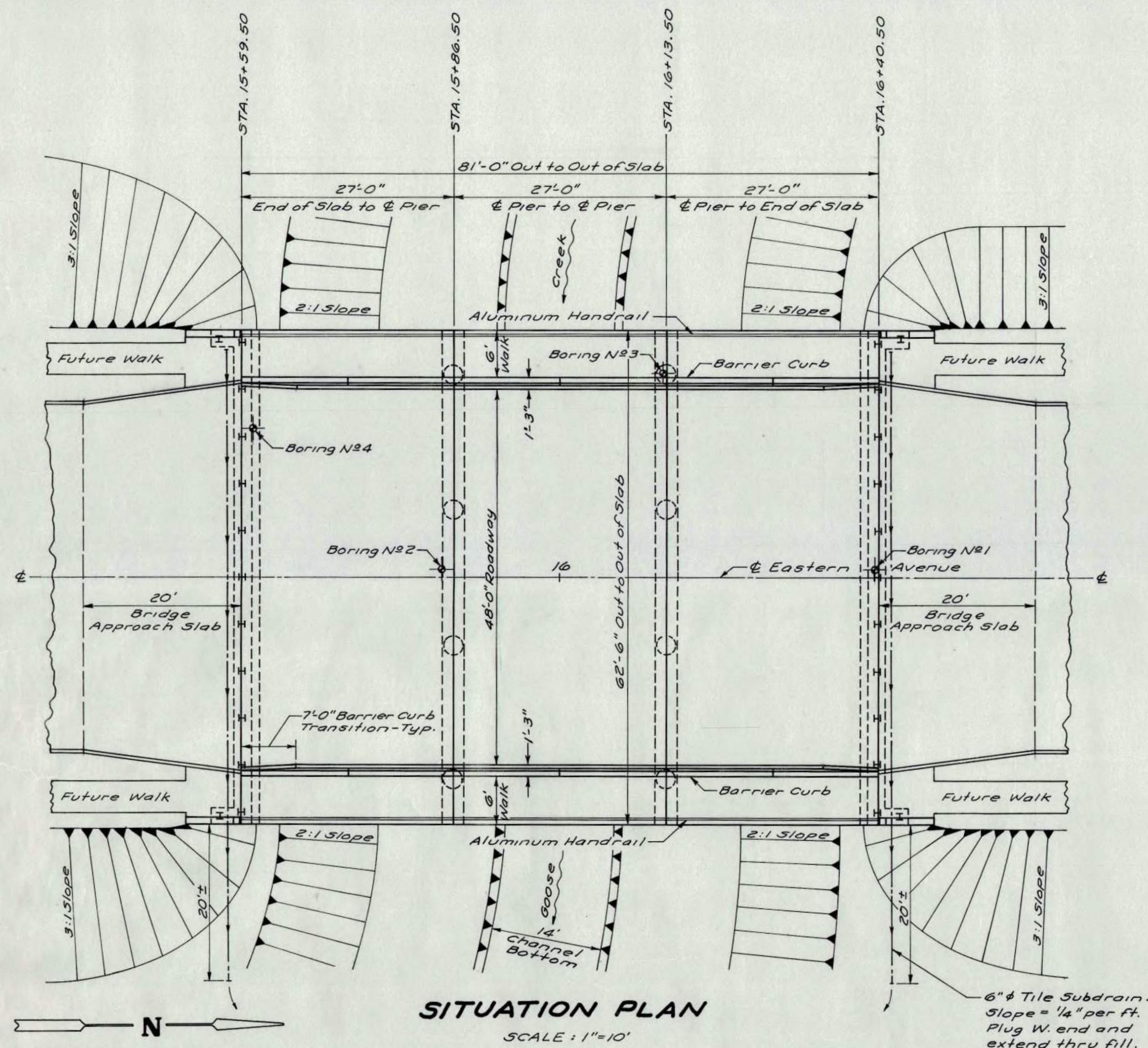
I hereby certify that this plan, specification or report was prepared by me or under my direct personal supervision and that I am a duly registered Professional Engineer under the laws of the State of Iowa.
Signed: *Patrick McGrath* Date: 2/7/77
PATRICK McGRATH, P.E. Iowa Reg. No. 5466



OFFICE OF
THE CITY ENGINEER
DAVENPORT, IOWA

PROJECT
EASTERN AVENUE PAVING
SOUTH BRIDGE OVER GOOSE CREEK
SITUATION PLAN

DESIGNED BY	DATE
DRAWN BY	HORIZ SCALE
SEWER	VERT SCALE
WATER	BOOK
GAS	PAGE
TELE	SHEET
ELEC	OF



NOTE: Footing elevations shown are subject to change depending on foundation material encountered.

GENERAL NOTES:

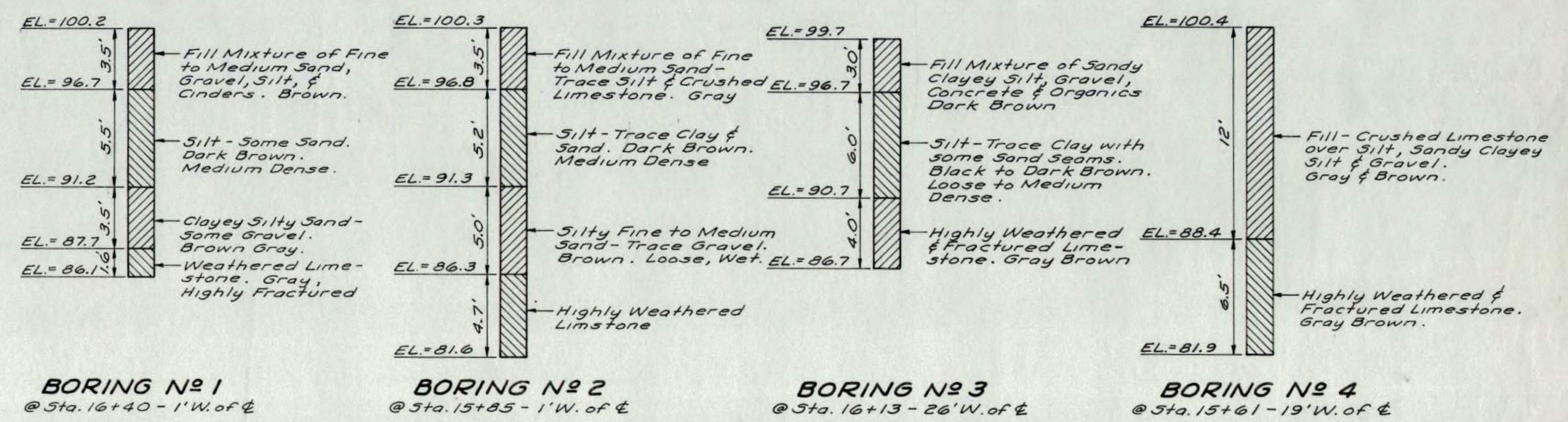
All elevations are to Davenport City Datum (D.C.D.).
 EL. 0.00 D.C.D. = EL. 537.36 Mean Sea Level.
 B.M.: Top of Hydrant at the SW. Corner of 39TH St. & Eastern Ave. EL. = 103.31 (D.C.D.).
 B.M.: Top of Hydrant at the SE. Corner of Winding Hill Rd. & Eastern Ave. EL. = 110.06 (D.C.D.).

HYDRAULIC INFORMATION:

High Water ————— Not Available
 Drainage Area ————— 7.81 Sq. Miles
 Design Discharge ————— 3150 cfs.
 Low Superstructure ————— EL. = 103.15 (D.C.D.)
 Skew Angle ————— 0°
 Waterway Opening ————— 638 Sq. Ft.

SPECIFICATION:

Design: Current AASHTO Standard Specifications for Highway Bridges.
 Construction: Current Standard Specifications of the Iowa Department of Transportation and Current Supplemental Specifications.
 Iowa Natural Resources Council Order No 75-143.

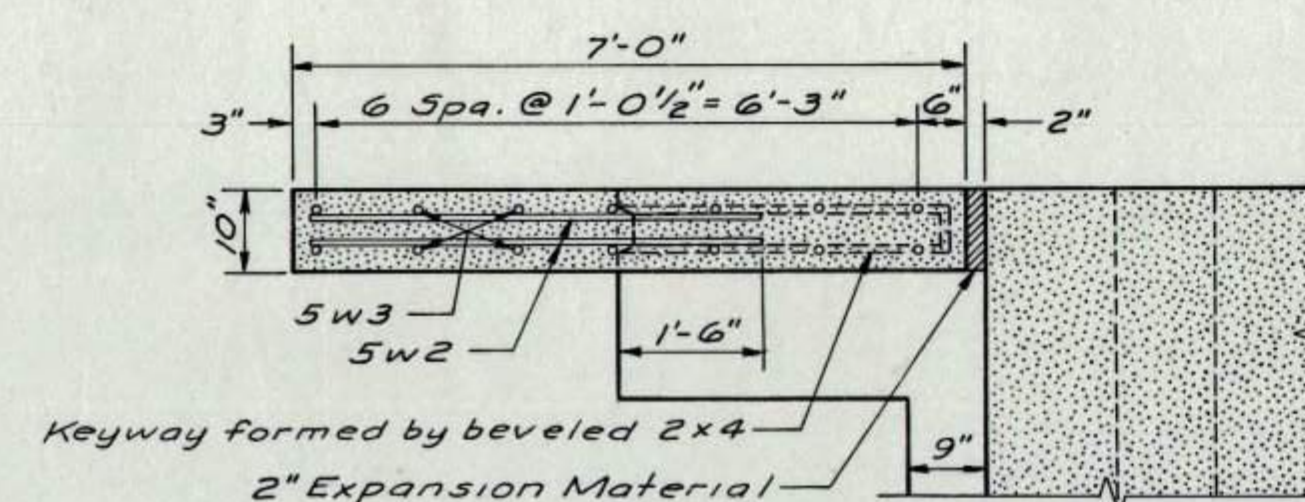
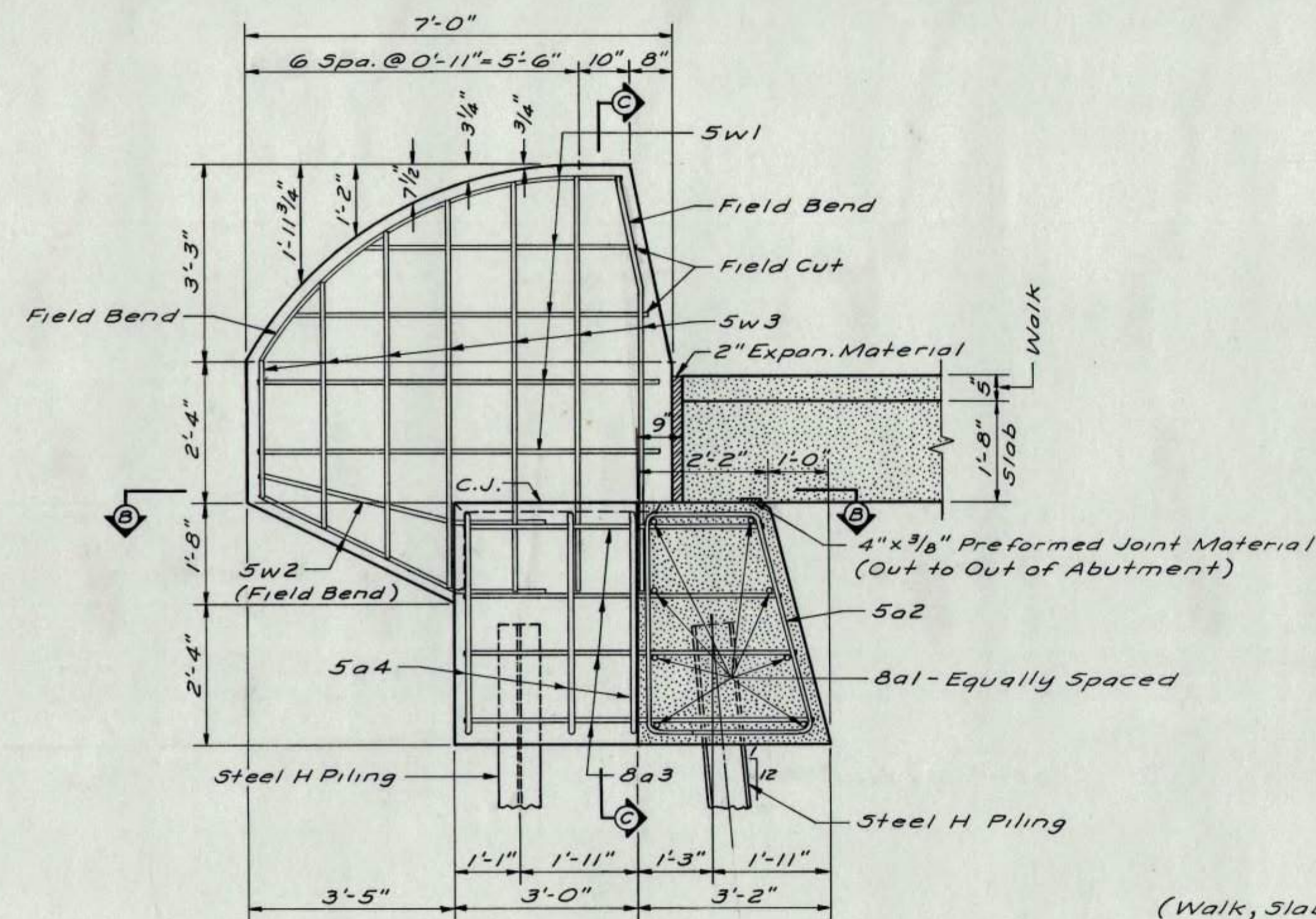
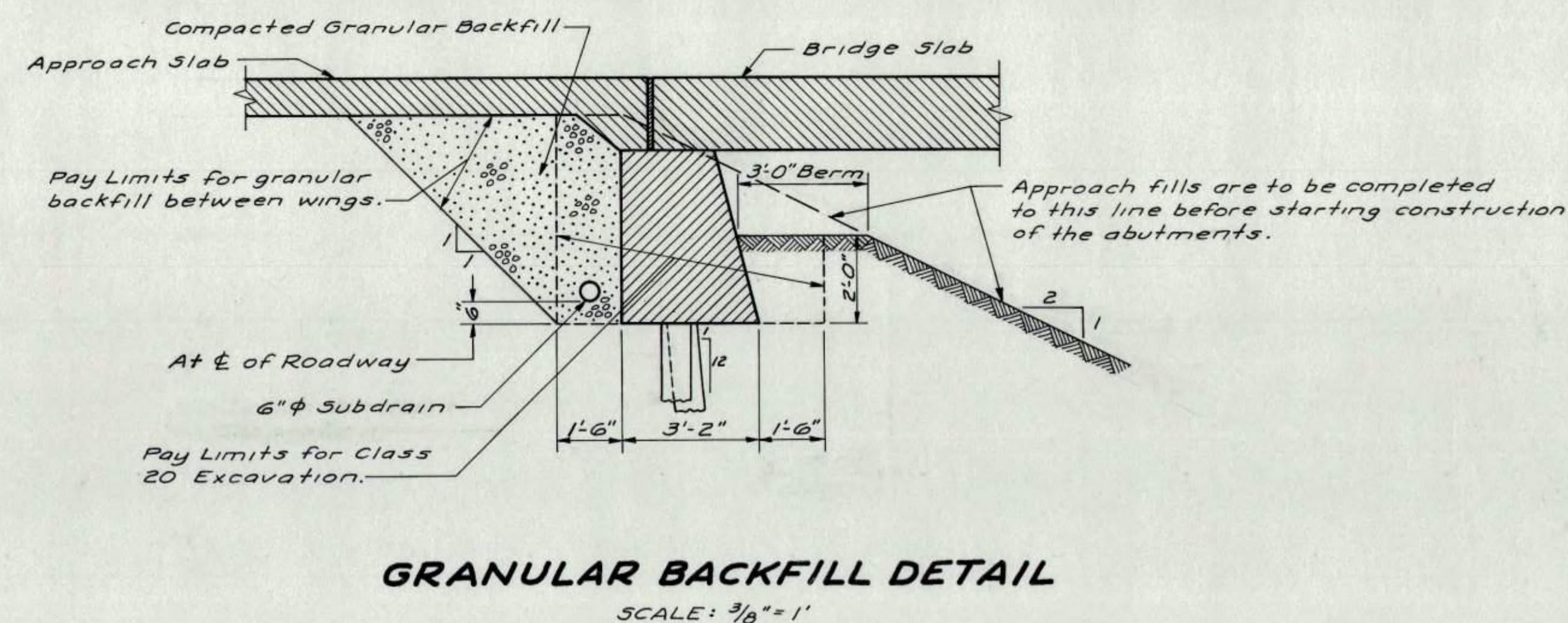
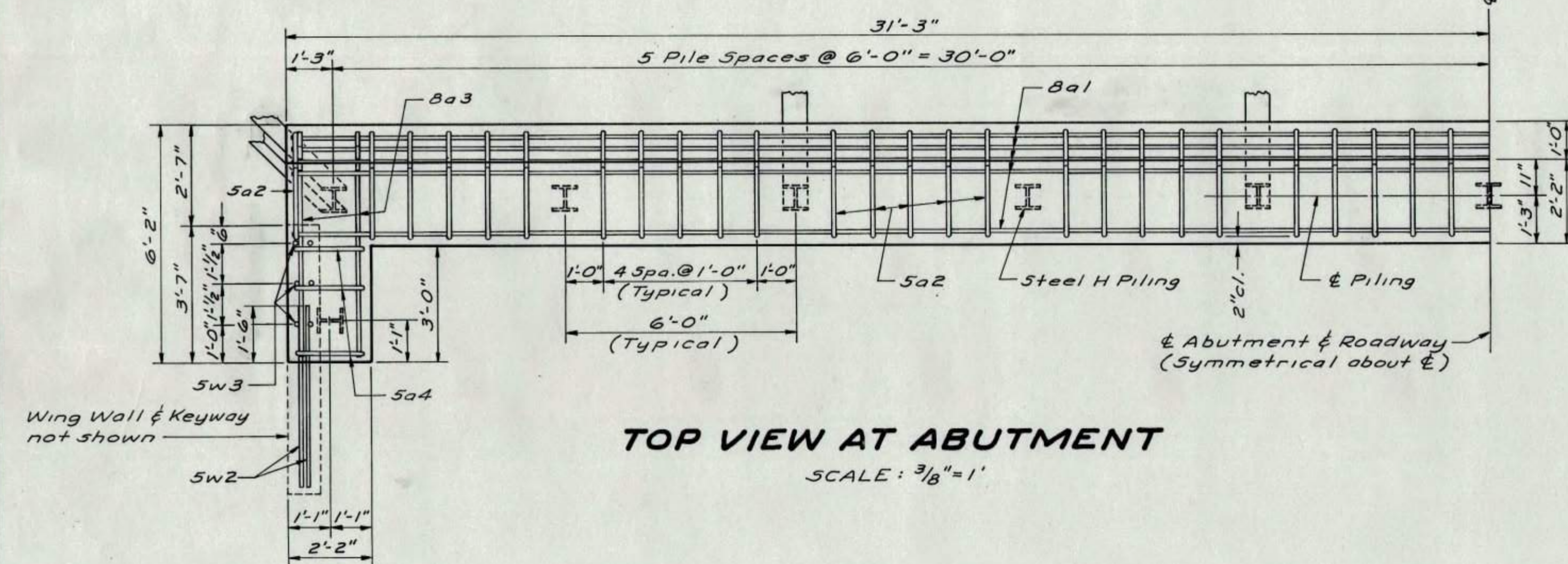
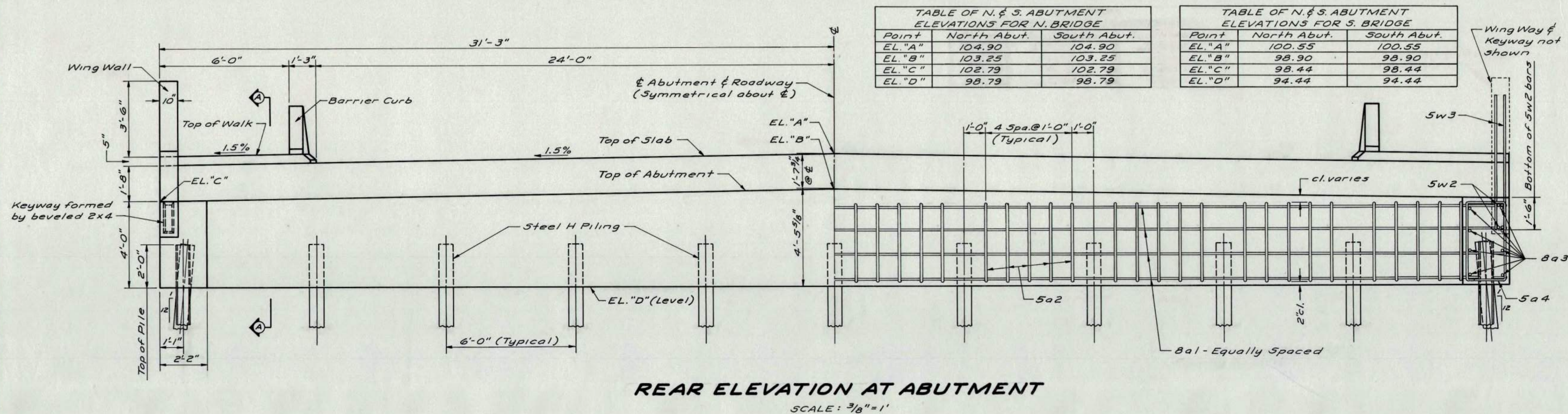


SOIL BORINGS

I hereby certify that this plan, specification or report was prepared by me or under my direct personal supervision and that I am a duly registered Professional Engineer under the laws of the State of Iowa.
 Signed: *Patrick McGrath* Date: 2/7/79
 PATRICK MCGRATH, E. E. Iowa Reg. No. 5466

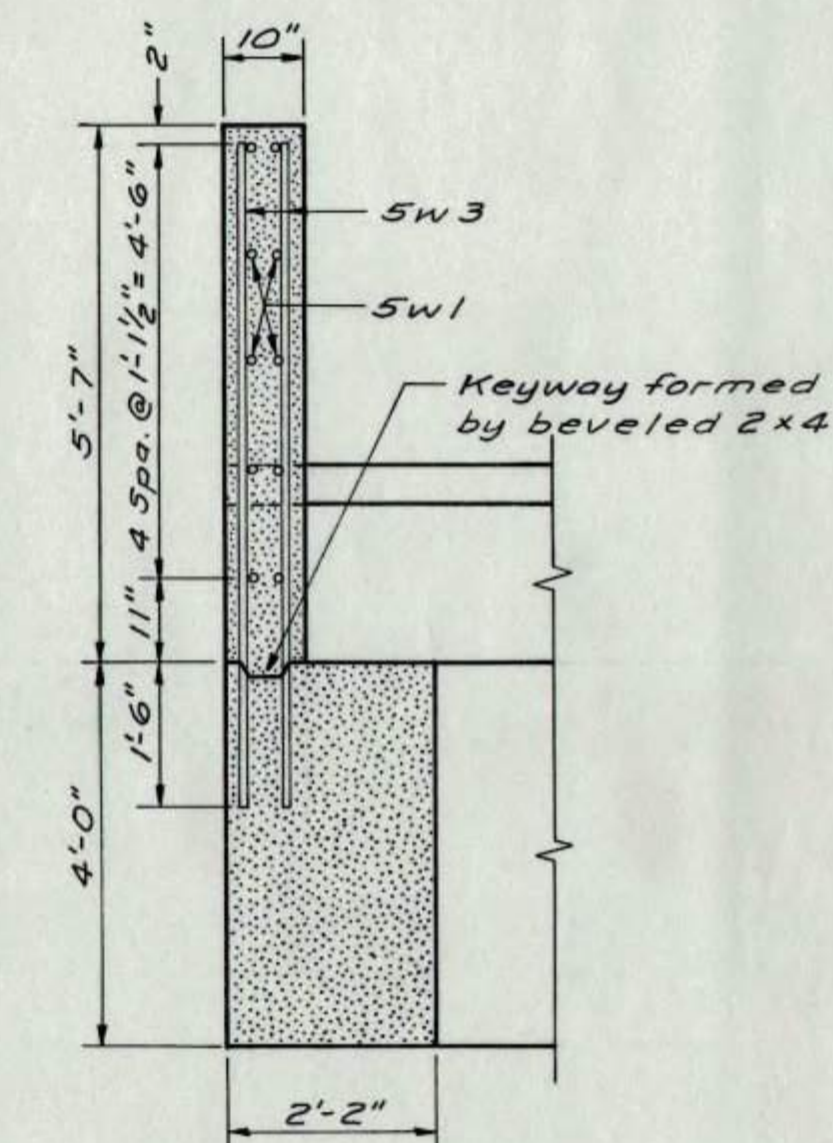


OFFICE OF THE CITY ENGINEER DAVENPORT, IOWA	
PROJECT EASTERN AVENUE PAVING	DATE 1-15-79
NORTH BRIDGE OVER GOOSE CREEK	HORIZ SCALE Shown
SITUATION PLAN	VERT SCALE Shown
DESIGNED BY L.F.J.	BOOK
DRAWN BY J.E.Q.	PAGE
SEWER	
WATER	
GAS	
TELE	



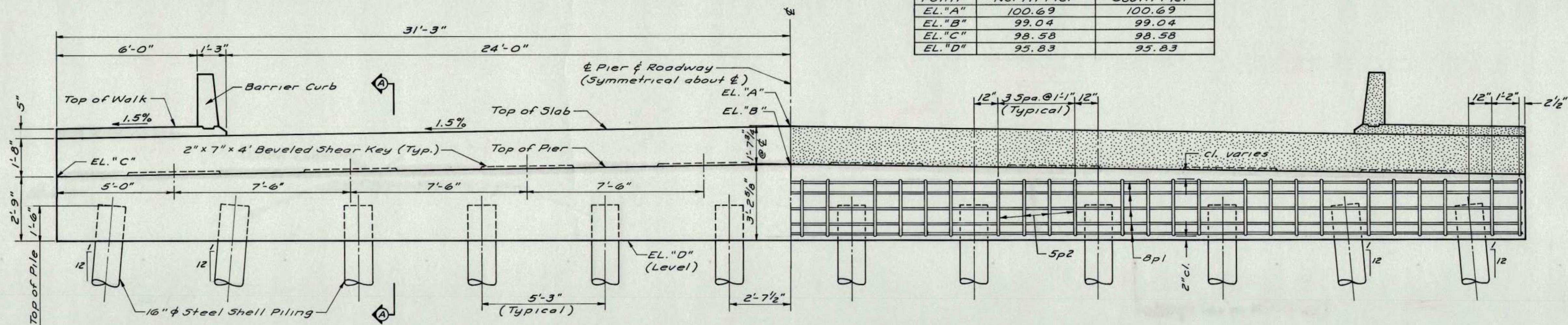
NOTES:

1. All exposed corners of 90° or sharper are to be filleted with a $\frac{3}{4}"$ dressed and beveled strip.
2. Minimum clear distance from face of concrete to near reinforcing bar is to be 2" unless otherwise noted or shown.
3. Reinforcing steel is to be securely wired in place before concrete is placed.
4. Piles are to be driven to bed rock, with not less than 50 tons bearing value per pile.
5. All backfill behind the abutment between the wings is to be granular backfill. The remainder of the abutment excavation is to be backfilled with compacted soil.
6. Transverse abutment reinforcing bars may be spliced at centerline with one 2'-0" lap.
7. Payment for reinforcing bars shall be made on no splices, and no allowance shall be made for the additional length of bar required for the use of splices.



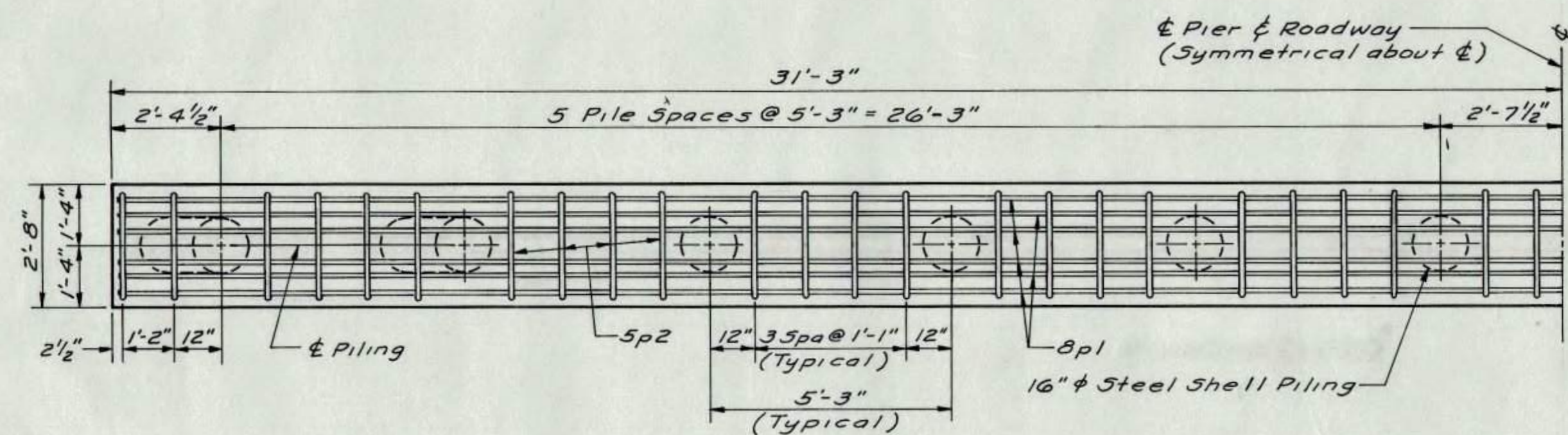
OFFICE OF THE CITY ENGINEER DAVENPORT, IOWA	
PROJECT EASTERN AVENUE PAVING	
SOUTH AND NORTH BRIDGE OVER GOOSE CREEK ABUTMENT DETAILS	
DESIGNED BY L.F.J.	DATE 3-3-78
DRAWN BY J.E.Q.	HORIZ SCALE Shown
SEWER	VERT SCALE Shown
WATER	BOOK
GAS	PAGE
TELE	
ELEC	
SHEET 6 OF	

TABLE OF N. & S. PIER ELEVATIONS		
Point	North Pier	South Pier
EL. "A"	100.69	100.69
EL. "B"	99.04	99.04
EL. "C"	98.58	98.58
EL. "D"	95.83	95.83



ELEVATION AT PIER

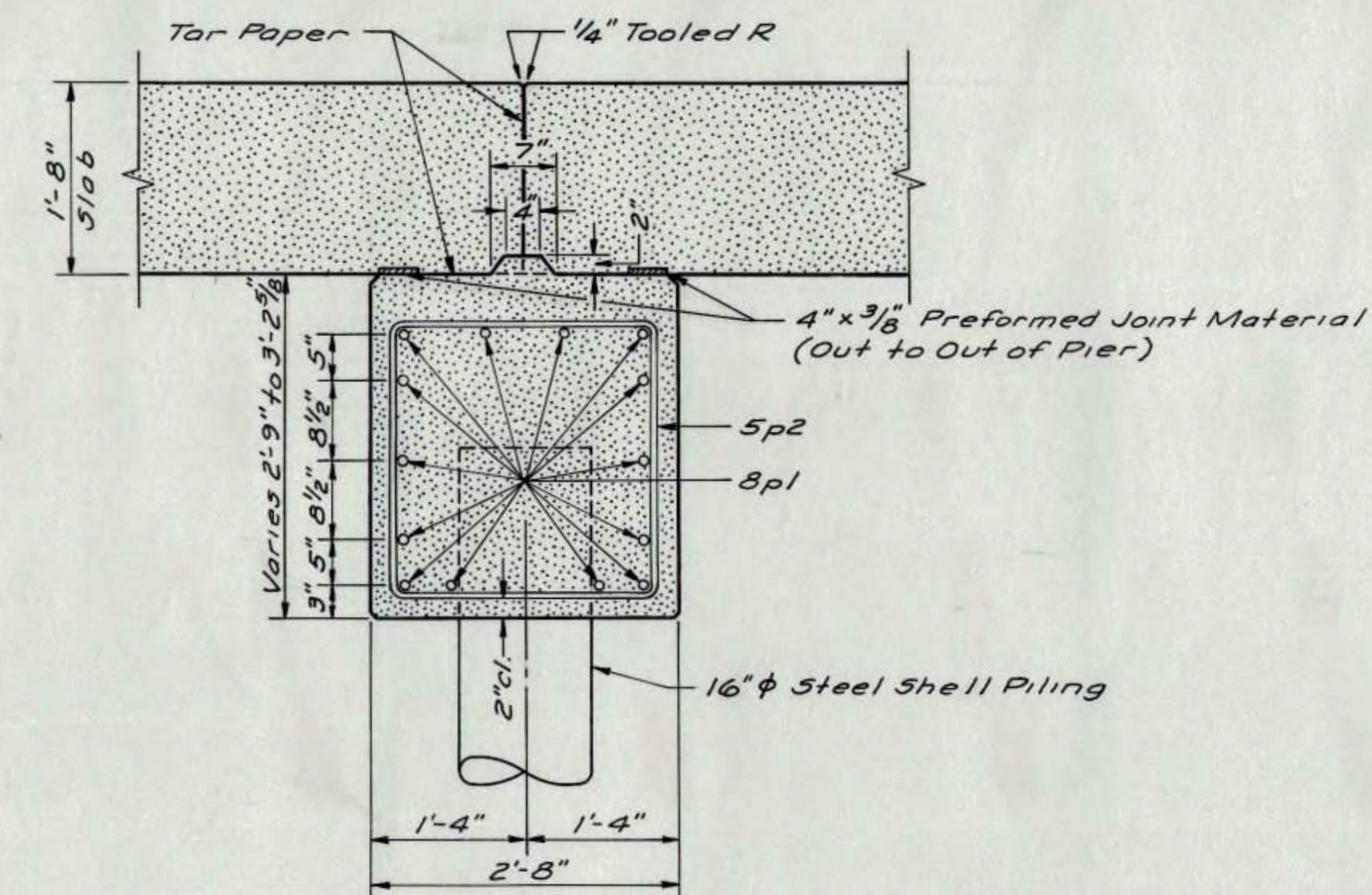
SCALE: $\frac{3}{8}'' = 1'$



TOP VIEW AT PIER

(Top Shear Keys not shown)

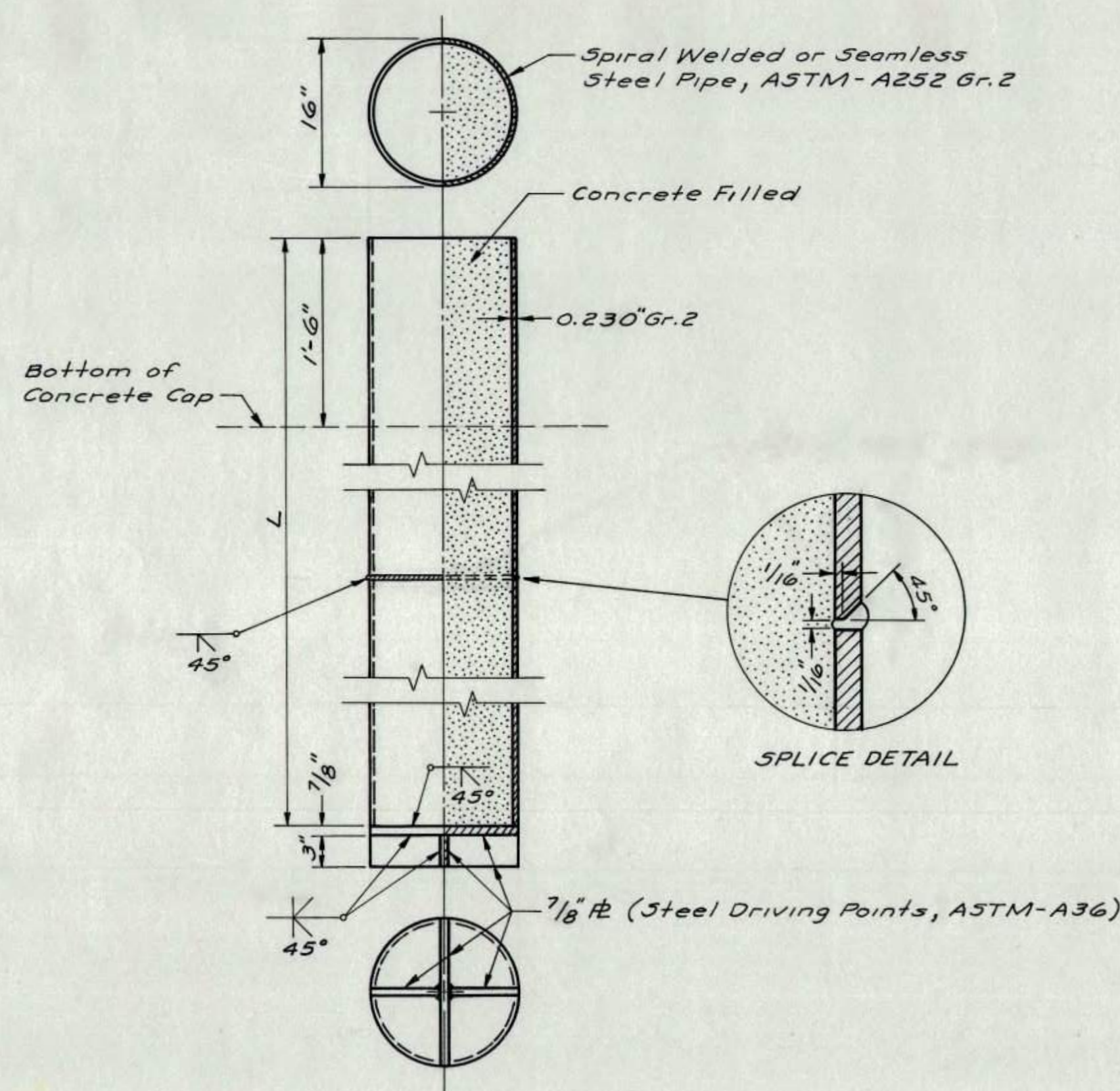
SCALE: $\frac{3}{8}'' = 1'$



SECTION A-A

(Slab Reinforcing not shown)

SCALE: $\frac{3}{4}'' = 1'$



16" ϕ STEEL SHELL PILING

NOT TO SCALE

NOTES:

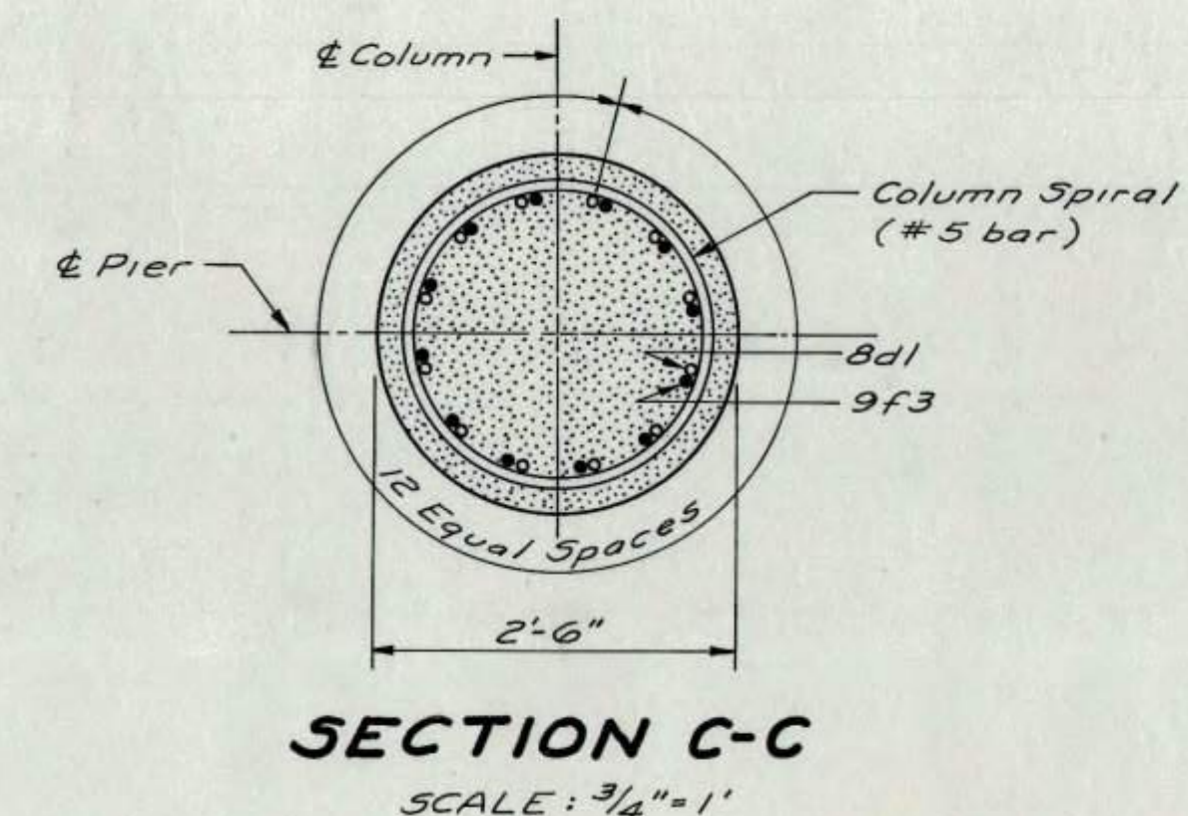
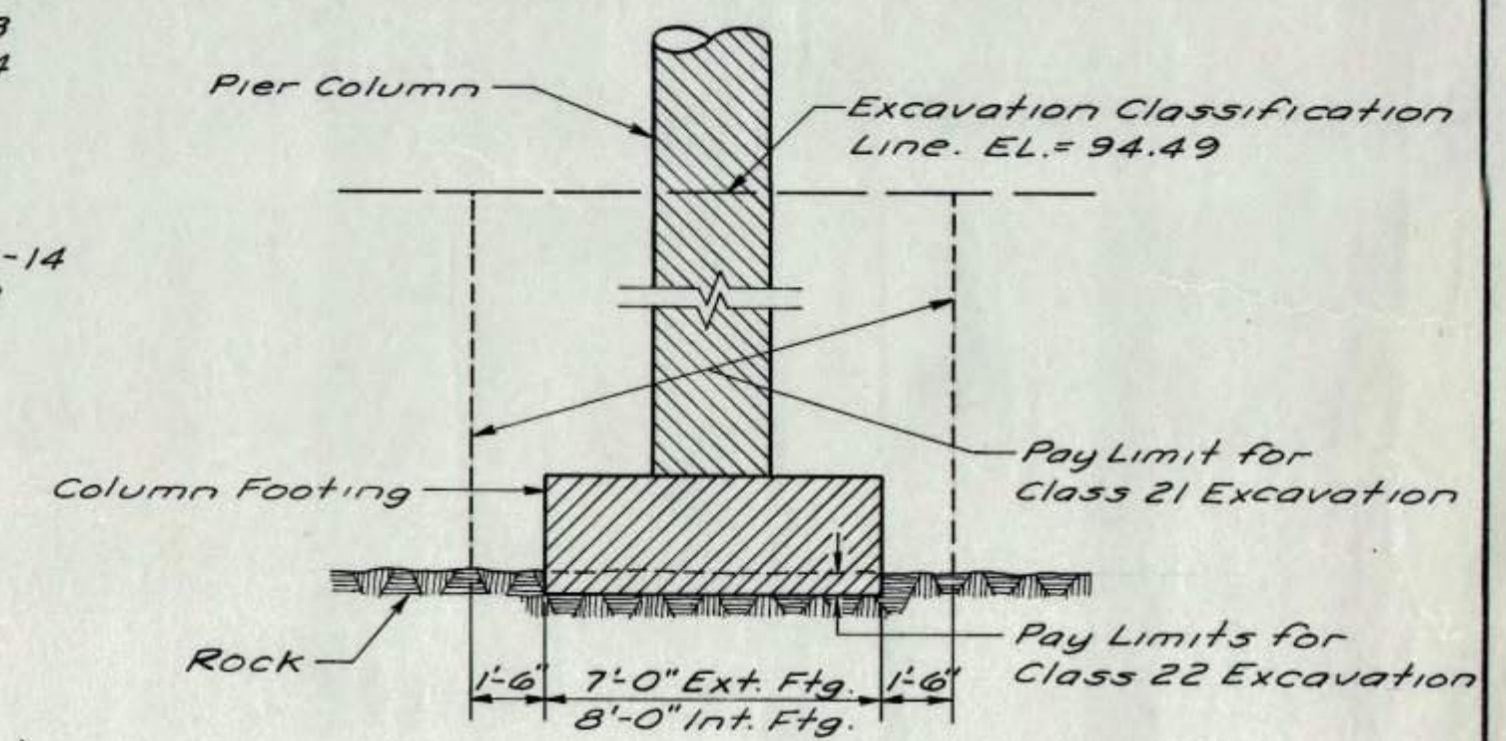
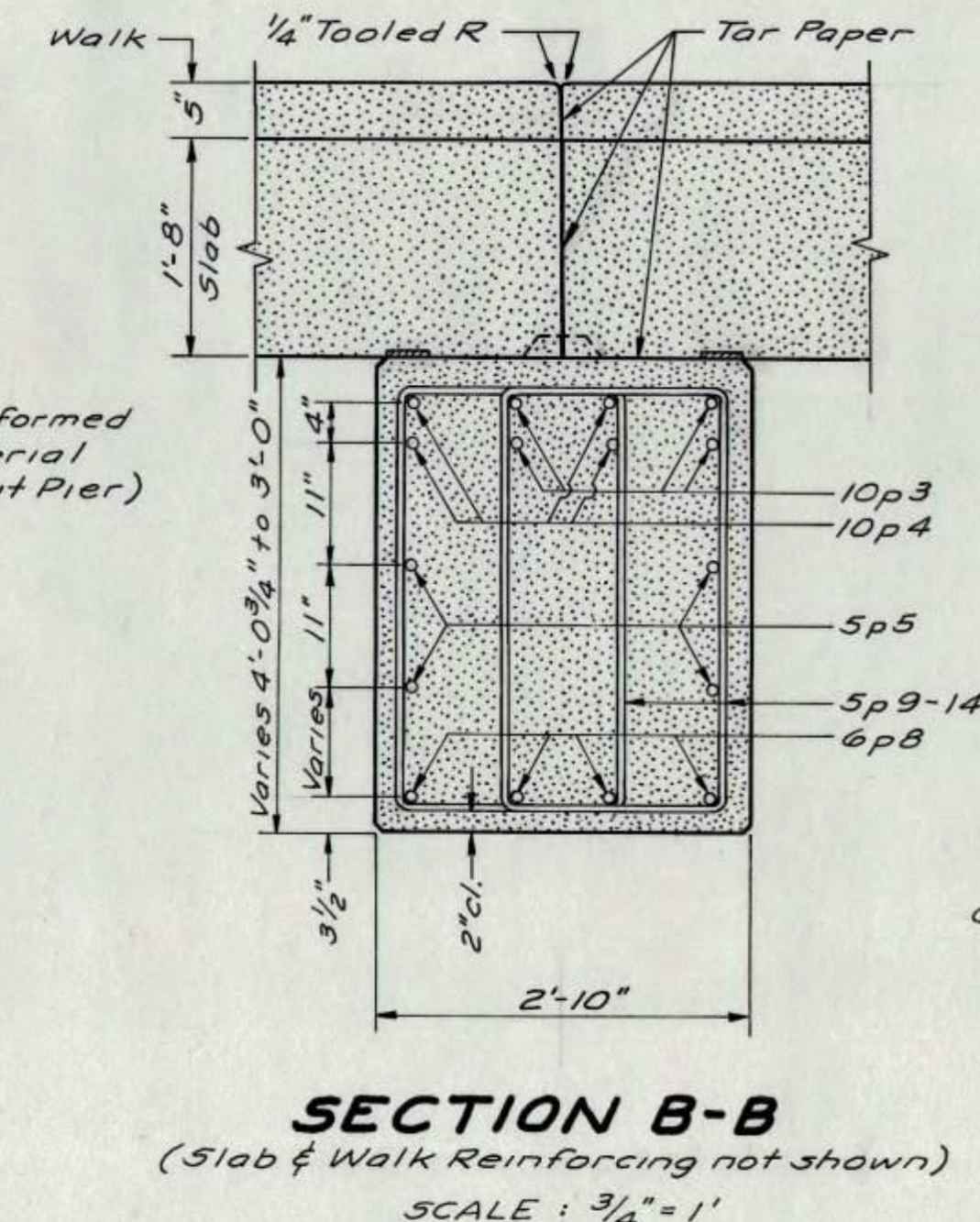
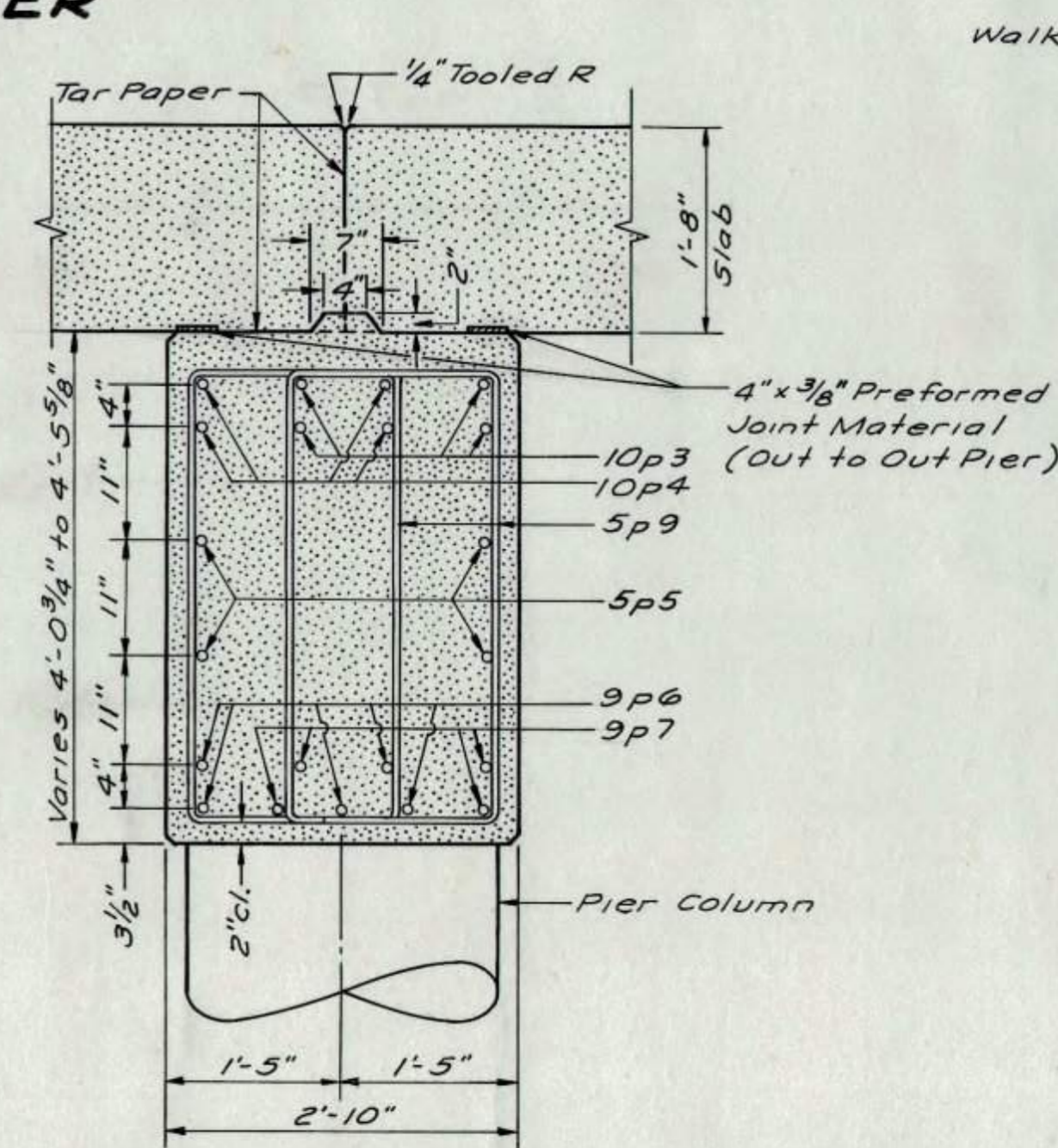
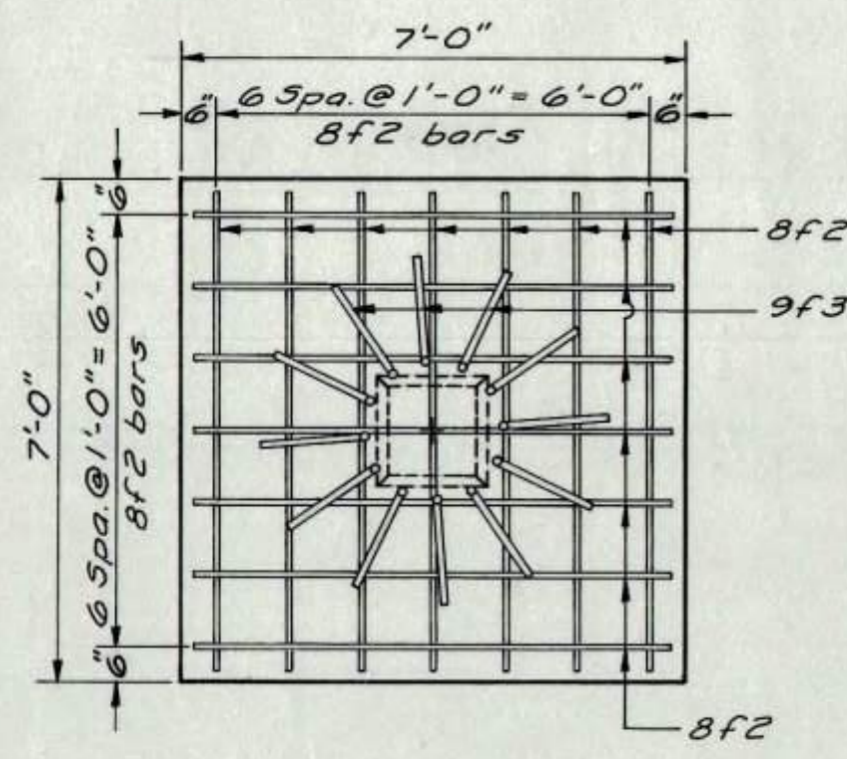
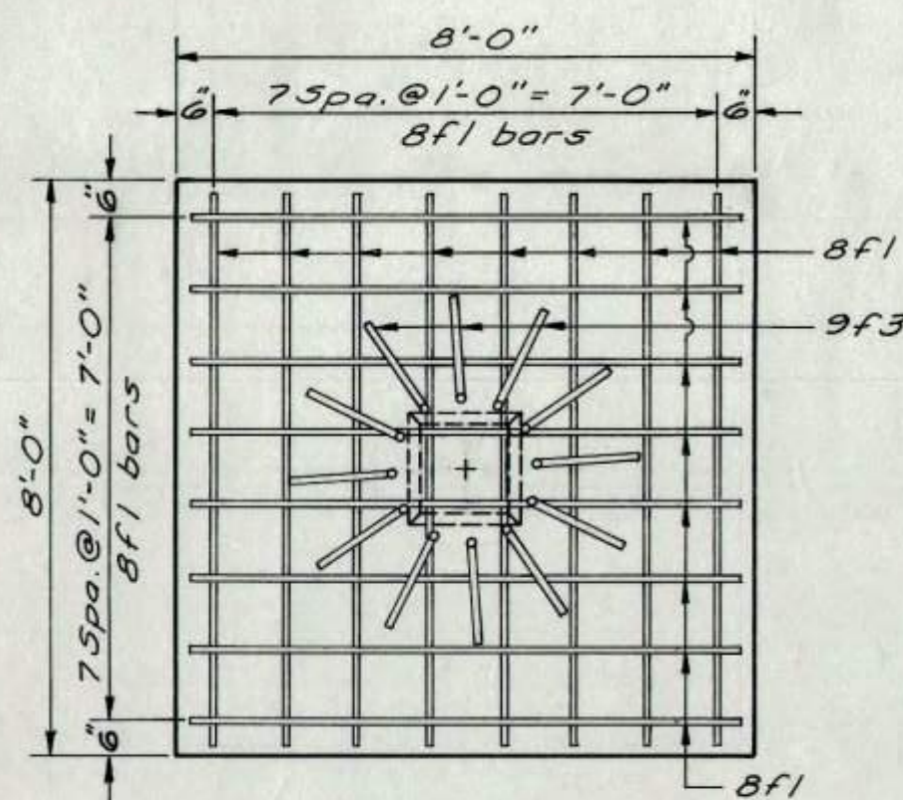
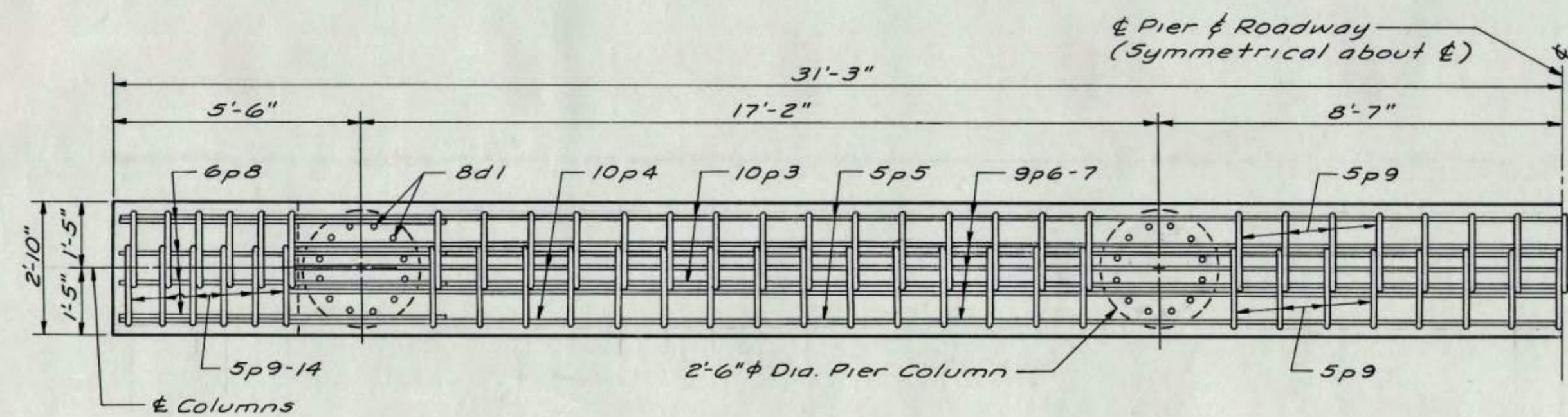
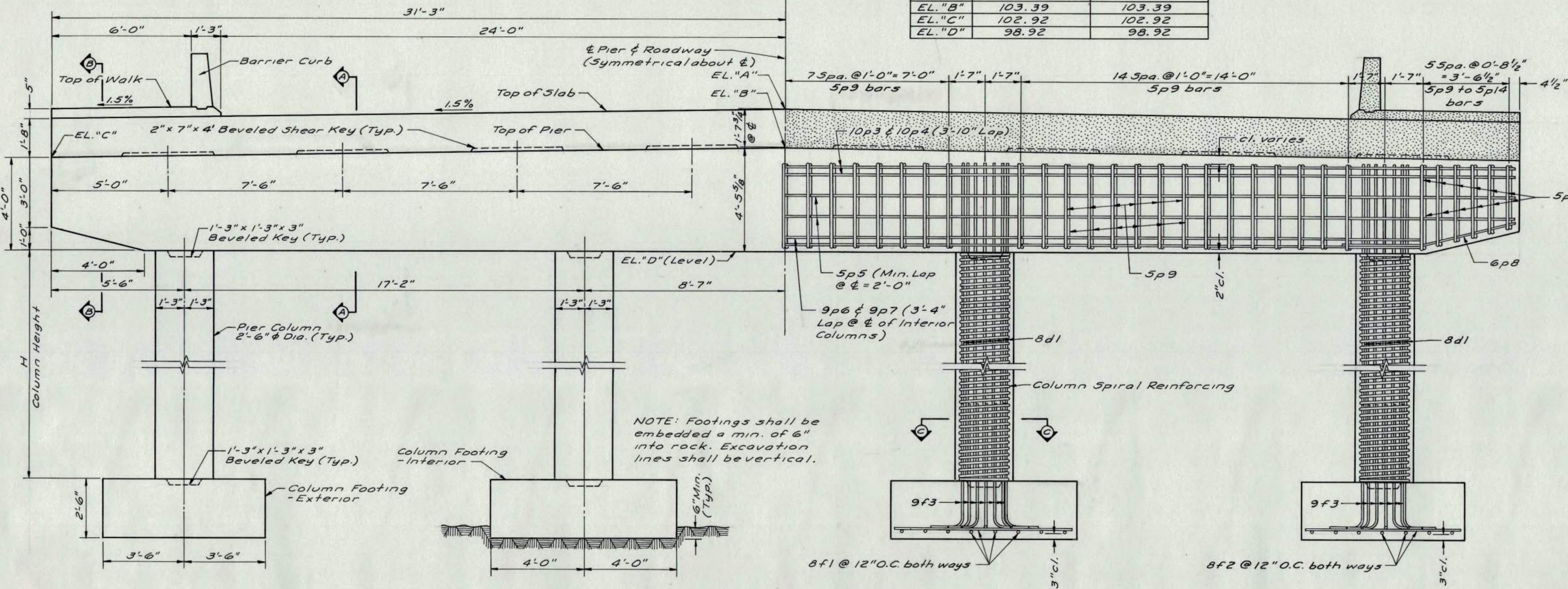
1. All exposed corners of 90° or sharper are to be filleted with a $\frac{3}{4}''$ dressed and beveled strip.
2. Minimum clear distance from face of concrete to near reinforcing bar is to be 2" unless otherwise noted or shown.
3. Reinforcing steel is to be securely wired in place before concrete is poured.
4. Except as noted elsewhere, material, construction, driving and extensions or build ups when necessary, of steel shell piles shall be in accordance with current Standard Specifications of the Iowa Department of Transportation.
5. Piling shell thickness shown is the minimum requirement. The method of driving steel shell piles shall be adapted to the type and thickness of shell specified. Any shells which have been improperly driven, broken, or are otherwise defective shall be removed and replaced by the Bridge Contractor.
6. Cost of all driving points and concrete fill is to be included in the price bid per lineal foot of piling.
7. Piling shall be driven to bedrock and shall have not less than 36 tons bearing value.
8. Transverse pier reinforcing bars may be spliced at centerline with one 2'-0" lap.
9. Payment for reinforcing bars shall be made on no splices, and no allowance shall be made for the additional length of bar required for the use of splices.

OFFICE OF
THE CITY ENGINEER
DAVENPORT, IOWA

PROJECT
EASTERN AVENUE PAVING
SOUTH BRIDGE OVER GOOSE CREEK
PIER DETAILS

DESIGNED BY	L.F.J.	DATE	3-8-78
DRAWN BY	J.E.Q.	HORIZ SCALE	Shown
SEWER		VERT SCALE	Shown
WATER		BOOK	
GAS		PAGE	
ELEC		SHEET	2 OF

TABLE OF N. & S. PIER ELEVATIONS		
Point	North Pier	South Pier
EL. "A"	105.04	105.04
EL. "B"	103.39	103.39
EL. "C"	102.92	102.92
EL. "D"	98.92	98.92



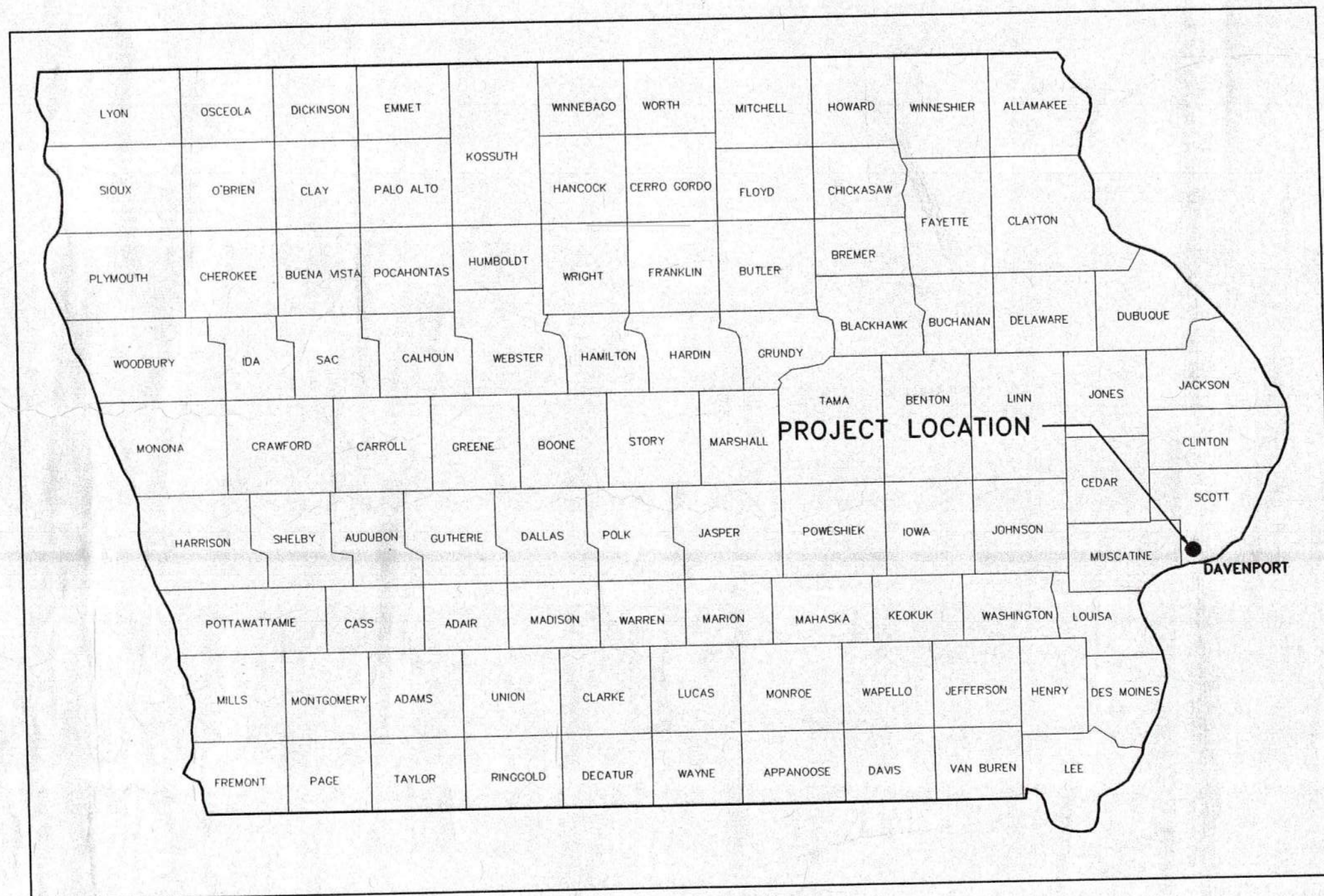
NOTES:

1. All exposed corners of 90° or sharper are to be filleted with a $\frac{3}{4}"$ dressed and beveled strip.
2. Minimum clear distance from face of concrete to near reinforcing bar is to be 2" unless otherwise noted or shown.
3. Reinforcing steel is to be securely wired in place before concrete is poured.
4. The spiral reinforcing is to be a #5 bar with a $2\frac{1}{2}"$ O.D., 3" pitch, and with 4 equally spaced $\frac{7}{8}"$ 0.69 spacers punched to hold spiral. The spiral shall have at least $1\frac{1}{2}$ extra turns at top and bottom of column. The spiral may be made of plain structural grade reinforcing steel and spliced by lapping $1\frac{1}{2}$ turns. The length of the spiral shown does not include the lapped length of the splice. The cost of the laps is to be included in the price bid for other reinforcing.
5. Payment for reinforcing bars shall be made with no splices, except as shown, and no allowance shall be made for the additional length of bar required for the use of splices.
6. Column height (H) to be determined after column footings are poured. Field cutting of column reinforcing to be considered incidental to the price bid for reinforcing steel.

OFFICE OF THE CITY ENGINEER DAVENPORT, IOWA	
PROJECT EASTERN AVENUE PAVING	
NORTH BRIDGE OVER GOOSE CREEK PIER DETAILS	
DESIGNED BY L.F.J.	DATE 4-4-78
DRAWN BY J.E.Q.	HORIZ SCALE Shown
SEWER	VERT SCALE Shown
WATER	BOOK
GAS	PAGE
TELE	

PLANS FOR PROPOSED SANITARY SEWER IMPROVEMENTS AND MAINTENANCE ROADWAY FOR GOOSE CREEK & GOOSE CREEK EAST INTERCEPTORS

CITY OF DAVENPORT, IOWA



STATE OF IOWA

UTILITY NOTE

THE LOCATION OF THE EXISTING UTILITIES ARE SHOWN ON THE PLANS FOR INFORMATION ONLY & REPRESENT THE BEST KNOWLEDGE OF THE ENGINEER. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL UTILITY LOCATIONS. FORTY-EIGHT (48) HOUR NOTICE MUST BE GIVEN TO ALL UTILITY COMPANIES PRIOR TO THE START OF ANY CONSTRUCTION OPERATIONS.

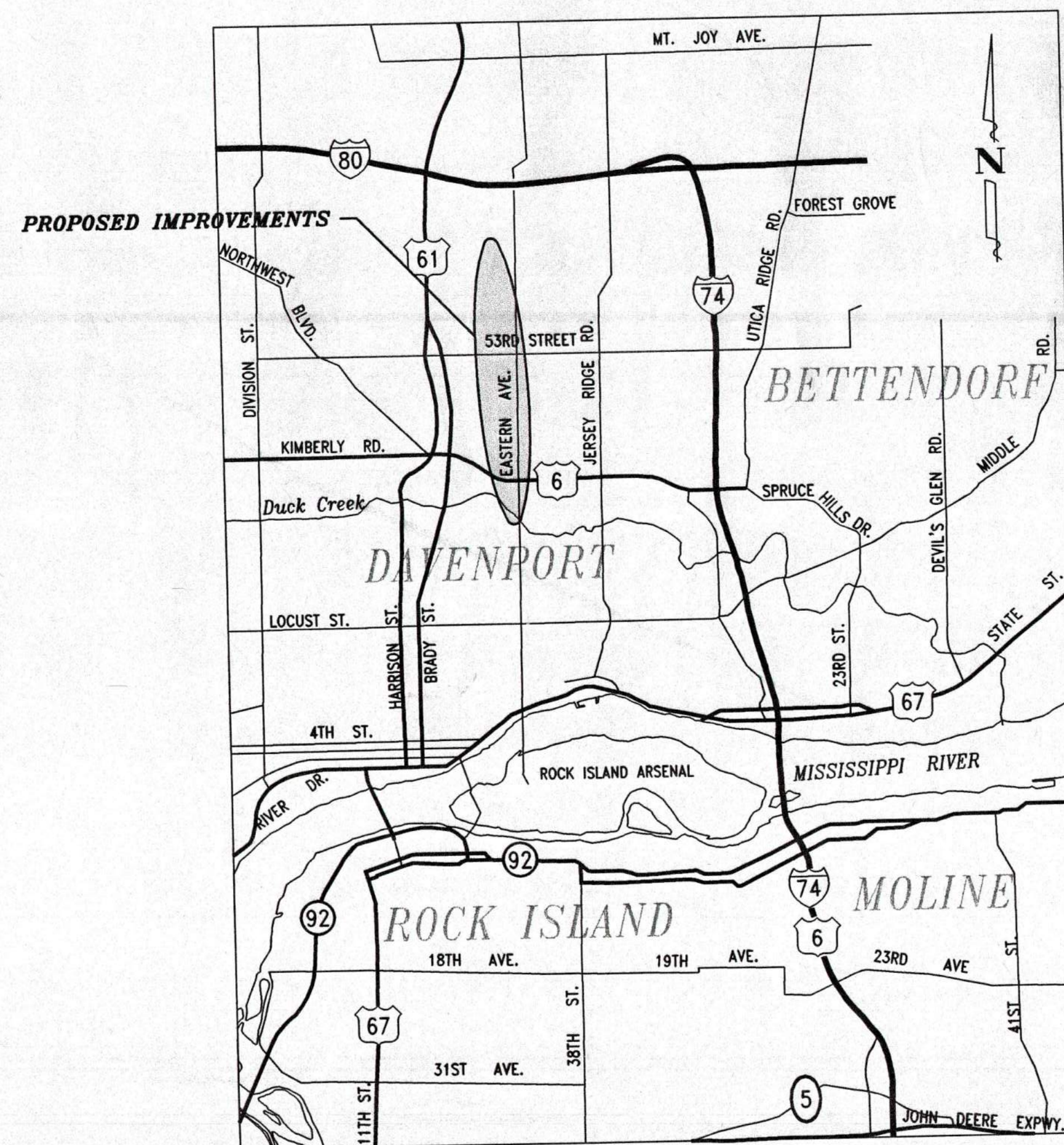
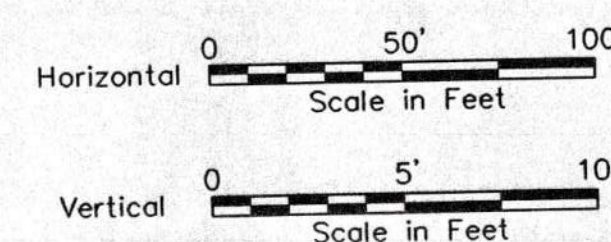
MID AMERICAN ENERGY COMPANY (GAS & ELECTRIC)
106 EAST SECOND STREET
DAVENPORT, IOWA 52801

U.S. WEST COMMUNICATIONS
528 MAIN STREET, THIRD FLOOR
DAVENPORT, IOWA 52801

IOWA AMERICAN WATER COMPANY
230 EAST SECOND STREET
DAVENPORT, IOWA 52801

TCI CABLE
3900 26TH AVENUE
MOLINE, ILLINOIS 61265

PLAN AND PROFILE



PROJECT LOCATION MAP

INDEX OF SHEETS

- 1 COVER SHEET & LOCATION MAP
- 2 SUMMARY OF QUANTITIES, PLAN SHEET, & KEY MAP
- 3-14 PLAN & PROFILE (MH 1 to MH 53)
- 15-25 MAINTENANCE ROAD PLAN & PROFILE
- 26-31 CROSS SECTIONS
- 32-34 CONSTRUCTION DETAILS

NOTE

THIS PROJECT CONSTRUCTED IN ACCORDANCE WITH THE CITY OF DAVENPORT "STANDARD SPECIFICATIONS", SERIES OF 1986 AND ALL REVISIONS, THE CONTRACT DOCUMENTS, AND THESE DRAWINGS.

**RECORD DRAWING
SEPTEMBER 2000**

ARCHIVE INFORMATION: F:\CADD-DWG\94041\FU041.DWG

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED UNDER MY SUPERVISION AND THAT ENGINEERING DECISIONS WITH REGARD TO THE DESIGN WERE MADE BY ME OR BY OTHER DULY LICENSED PROFESSIONAL ENGINEERS UNDER THE LAWS OF THE STATE OF IOWA.

LARRY F. JOHNSON, PE DATE

My License renewal date is December 31, 2000

Pages or sheets covered by this set: 1-34

CALL IOWA-ONE-CALL BEFORE YOU DIG
1-800-292-8989

Sanitary Sewer Improvements and Maintenance Roadway For
Goose Creek & Goose Creek East Interceptors

Washburn 7-60 #122
002219

SUMMARY OF QUANTITIES

SANITARY SEWER

NO.	ITEM	UNIT	AWARDED	FINAL
1	SANITARY SEWER, VCP, 24" DIA.	LF	3,877	3872
2	SANITARY SEWER, VCP, 30" DIA.	LF	5,497	5510
3	SANITARY SEWER, VCP, 42" DIA.	LF	3,285	3222
4	SANITARY SEWER, VCP, NO-BELL 24" DIA.	LF	75	72
5	SANITARY SEWER, VCP, NO-BELL 30" DIA.	LF	375	371
6	SANITARY SEWER, VCP, NO-BELL 42" DIA.	LF	225	281
7	SANITARY SEWER, VCP, 6" DIA.	LF	230	212
8	SANITARY SEWER, VCP, 8" DIA.	LF	370	297
9	SANITARY SEWER, VCP, 10" DIA.	LF	40	20
10	RECONNECT LATERALS & SEWERS	EA	25	27
11	FIBERGLASS MANHOLE, 5' DIA.	EA	38	38
12	FIBERGLASS MANHOLE, 6' DIA.	EA	17	18
13	FURNISHING, BORING, & JACKING 42" DIA. STEEL CASING	LF	60	70
14	FURNISHING, BORING, & JACKING 48" DIA. STEEL CASING	LF	368	358
15	FURNISHING, BORING, & JACKING 60" DIA. STEEL CASING	LF	205	221.5
16	TRENCH BEDDING & STABILIZATION ROCK	TON	9,500	7120
17	TRENCH BACKFILL	CY	1,300	186
18	CREEK CROSSING, PCC ENCASEMENT	LF	580	590
19	PAVEMENT & DRIVE REMOVAL	SY	2,515	2618
20	AGGREGATE SURFACE	TON	1,000	1,000
21	P.C.C. PAVEMENT, 7"	SY	2,515	2674
22	P.C.C. WALK 4", REMOVE AND REPLACE	SF	100	195
23	REMOVAL & ABANDONMENT OF EXISTING SANITARY SEWER	LS	1	1
24	REMOVAL OF PREVIOUSLY ABANDONED SEWER	LF	1,000	1,000
25	CHAIN LINK FENCE REMOVE/REPLACE	LF	250	135
26	STORM SEWER, RCP, 12" DIA., CL IV, REMOVAL/REPLACEMENT	LF	109	101
27	STORM SEWER, RCP 24" DIA. CL III REMOVAL/REPLACEMENT	LF	400	285
28	REMOVE INTAKE & PLUG PIPE	EA	2	2
29	INLET SPECIAL	EA	2	2
30	SANITARY MANHOLE MODIFICATION	EA	1	1
31	RIPRAP 12" WITH 6" STONE BEDDING	SY	1,300	450
32	TREE AND BRUSH REMOVAL	LS	1	1
33	TRAFFIC CONTROL	LS	1	1
34	FIELD OFFICE	MO	8	8
35	SODDING	SY	5,000	4885
36	SEEDING	ACRE	7	7
37	TILE LINE REPAIR	LF	57	57

ROADWAY

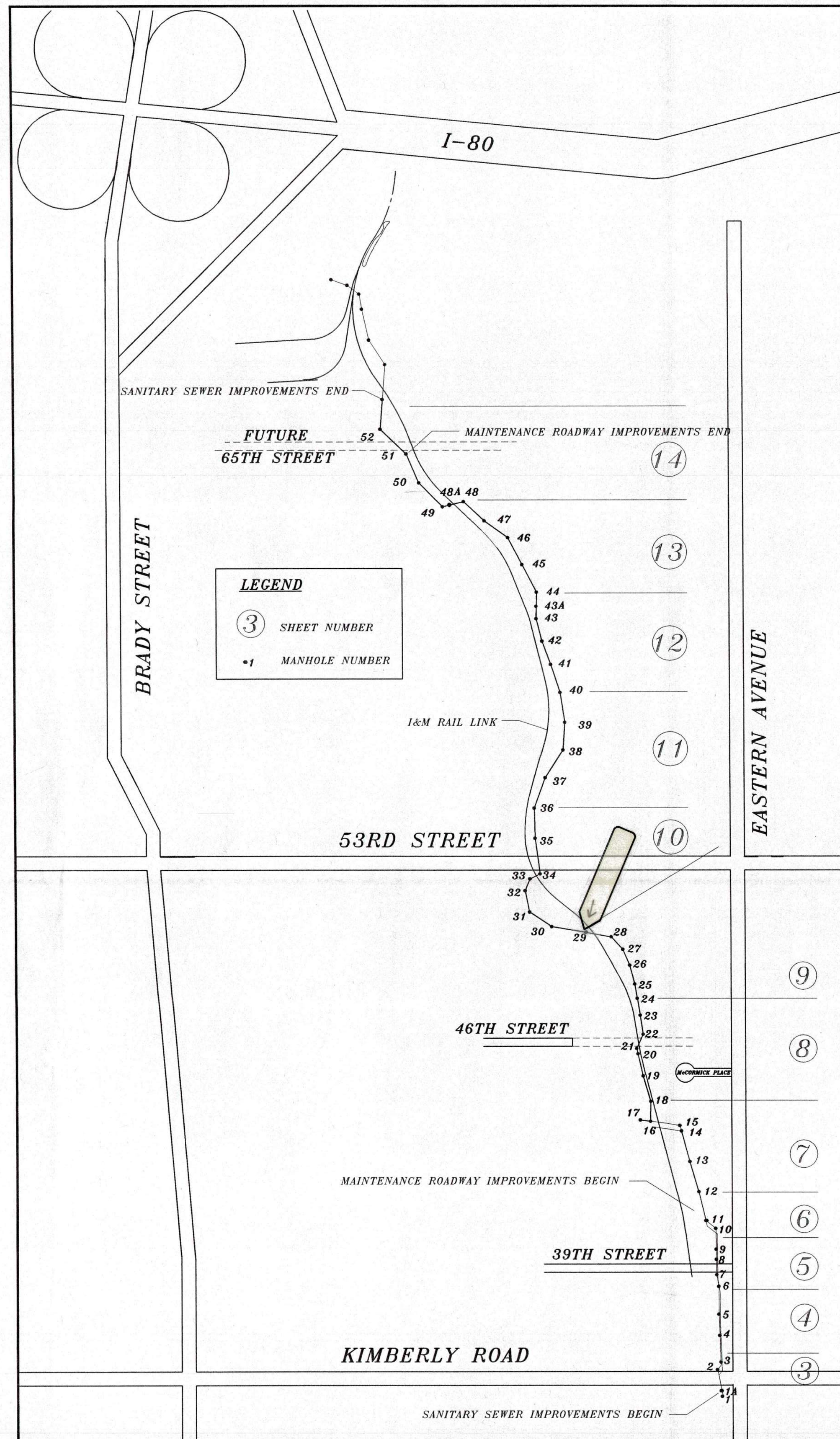
NO.	ITEM	UNIT	AWARDED	FINAL
1	EARTH EXCAVATION	CY	3379	3551
2	BORROW EXCAVATION *	CY	800	0
3	MACADAM STONE BASE CSE - 6"	SY	12,500	13292
4	CL. A CRUSHED STONE - 2"	SY	12,500	13292
5	OVEREXCAVATION & PLACEMENT OF MACADAM STONE BASE, 6"	SY	6,000	134
6	GEOTECH FABRIC	SY	6,000	462
7	ENTRANCE BARRIER	EA	2	3
8	CULVERT CMP, 18"	LF	92	92
9	CULVERT CMP, 36"	LF	46	46
10	CULVERT CMP, 48"	LF	44	44
11	CULVERT CMP, 54"	LF	154	154
12	LOW WATER CROSSING	EA	5	5

* ADDITIONAL BORROW IS INCLUDED TO BE USED AT THE DIRECTION OF THE ENGINEER

**RECORD DRAWING
SEPTEMBER 2000**
ARCHIVE INFORMATION: F:\CADD-DWG\94041\94041.DWG

LEGEND

	PCC PAVEMENT REMOVAL & REPLACEMENT		EXISTING MAILBOX
	AGGREGATE DRIVEWAY REMOVAL & REPLACEMENT		EXISTING TELEPHONE PEDESTAL
	EXISTING SANITARY SEWER		EXISTING VALVE
	PREVIOUSLY ABANDONED SANITARY SEWER		PROPOSED VALVE
	PROPOSED SANITARY SEWER		EXISTING FIRE HYDRANT
	EXISTING STORM SEWER		PROPOSED FIRE HYDRANT
	PROPOSED STORM SEWER		EXISTING UTILITY POLE
	EXISTING WATER LINE		EXISTING UTILITY POLE W/GUY WIRE
	EXISTING MANHOLE, STORM SEWER		EXISTING UTILITY POLE W/LIGHT
	EXISTING MANHOLE, SANITARY SEWER		EXISTING SIGN
	PROPOSED MANHOLE		EXISTING STREET SIGN
	EXISTING CATCH BASIN		EXISTING TREE
	EXISTING BURIED CATCH BASIN		DIRECTION OF FLOW
	PROPOSED CATCH BASIN		FLOWLINE
	EXISTING OPEN DITCH INTAKE		INVERT
	EXISTING UNDERGROUND TELEPHONE LINE		PROPERTY LINE
	EXISTING GAS LINE		HANDHOLE
	EXISTING UNDERGROUND ELECTRIC LINE		EXISTING ROW/PROPERTY LINE
	EXISTING FENCE		EASEMENT LINE
			TRAFFIC SIGNAL



DESIGN JEP/KEP	REV	ITEM	DATE
DRAWN KEP	1	AS BUILT DRAWINGS	11/2/00
CHECKED			
APPROVED			

CITY OF DAVENPORT
1200 E. 46th Street, Davenport, IA 52807

**McCLURE
ENGINEERING
ASSOCIATES, INC.**

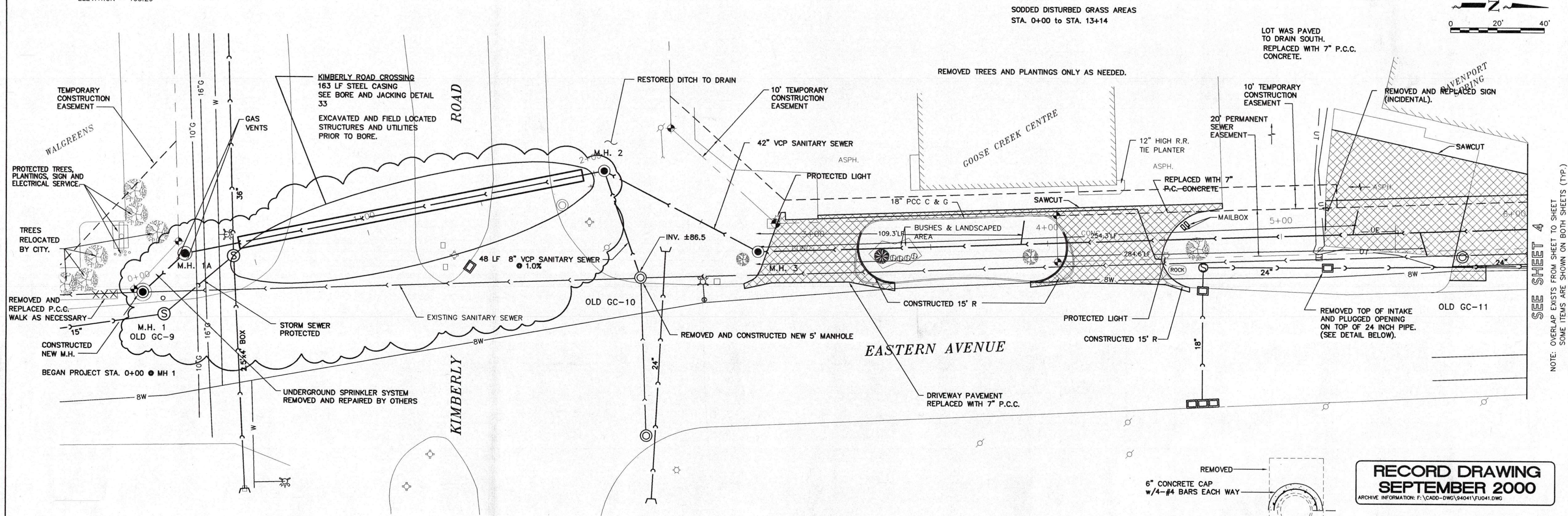
QUAD CITY OFFICE
4700 Kennedy Drive
East Moline, IL 61244
(309) 792-9350
(309) 792-8974 FAX

GOOSE CREEK INTERCEPTOR
City of Davenport, IA

GENERAL PLAN
STA. 0+78 to STA. 5+40

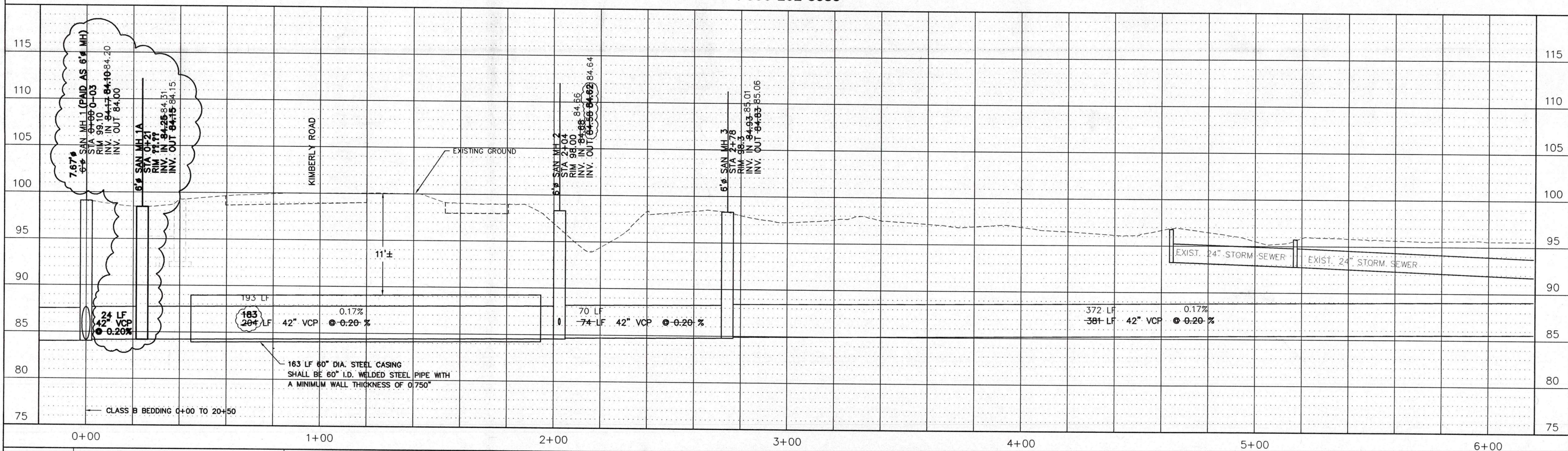
SHEET
2
OF 34

BENCHMARK: VERY TOP OF FIRE HYDRANT AT SOUTHEAST CORNER OF KIMBERLY ROAD & EASTERN AVE. ELEVATION = 103.29



RECORD DRAWING
SEPTEMBER 2000
 ARCHIVE INFORMATION: F:\CADD-DWG\94041\94041.DWG

CALL IOWA-ONE-CALL BEFORE YOU DIG
 1-800-292-8989



DESIGN JEP/KEP	REV	ITEM	DATE
DRAWN	1	GENERAL REVISIONS	5/13/99
CHECKED	2	ADD M.H. 1A - CHNG. ALIGNMENT	9/2/99
APPROVED	3	AS BUILT DRAWINGS	10/5/00

CITY OF DAVENPORT
 1200 E. 46th Street, Davenport, IA 52807

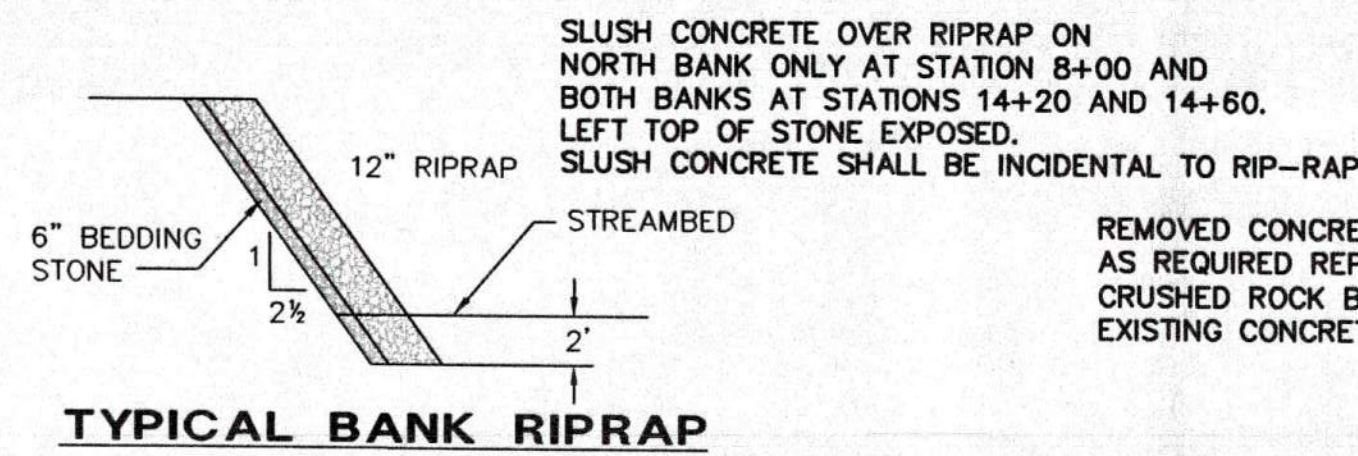
McCLURE
ENGINEERING
ASSOCIATES, INC.

QUAD CITY OFFICE
 4700 Kennedy Drive
 East Moline, IL 61244
 (309) 792-9350
 (309) 792-8974 FAX

GOOSE CREEK INTERCEPTOR
 City of Davenport, IA

PLAN & PROFILE
 M.H. 1 to M.H. 3

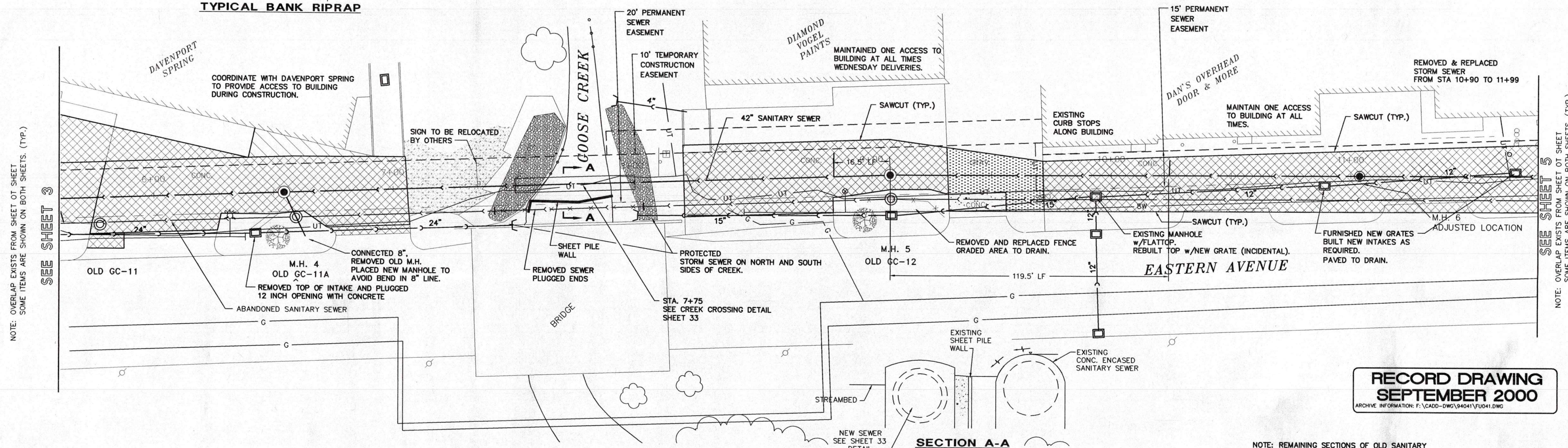
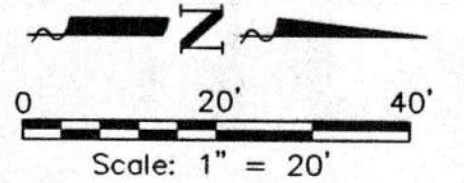
SHEET
 3
 OF 34



REMOVED CONCRETE SLOPE AND BROKEN CONCRETE AS REQUIRED REPLACED WITH RIPRAP AND CRUSHED ROCK BASE. REMOVED ALL EXISTING CONCRETE ON SOUTH SLOPE.

PROTECTED SIGNS AND OTHER OBJECTS IN THE WAY OF CONSTRUCTION. (INCIDENTAL).

SODDED DISTURBED GRASS AREAS STA. 0+00 TO STA. 13+14

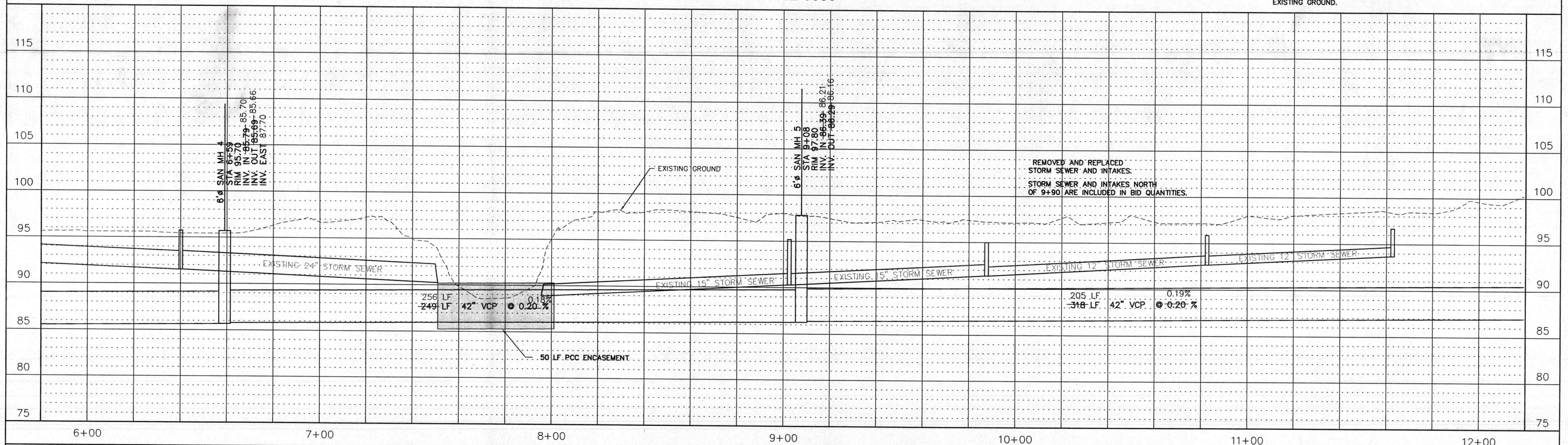


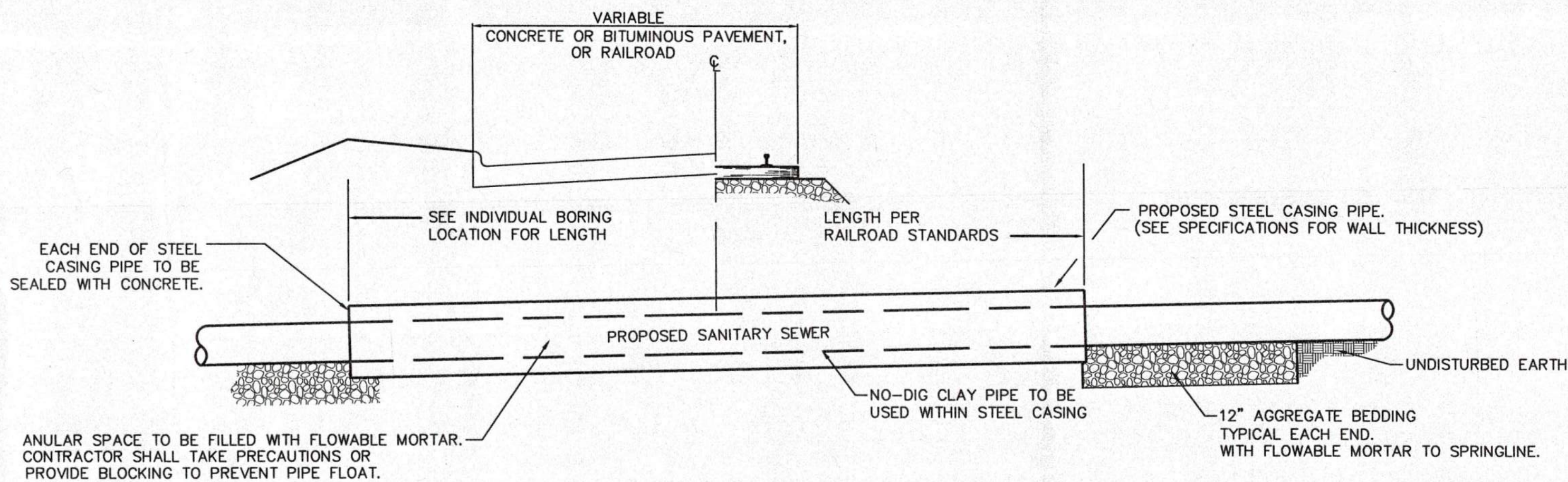
SECTION A-A

CALL IOWA-ONE-CALL BEFORE YOU DIG
1-800-292-8989

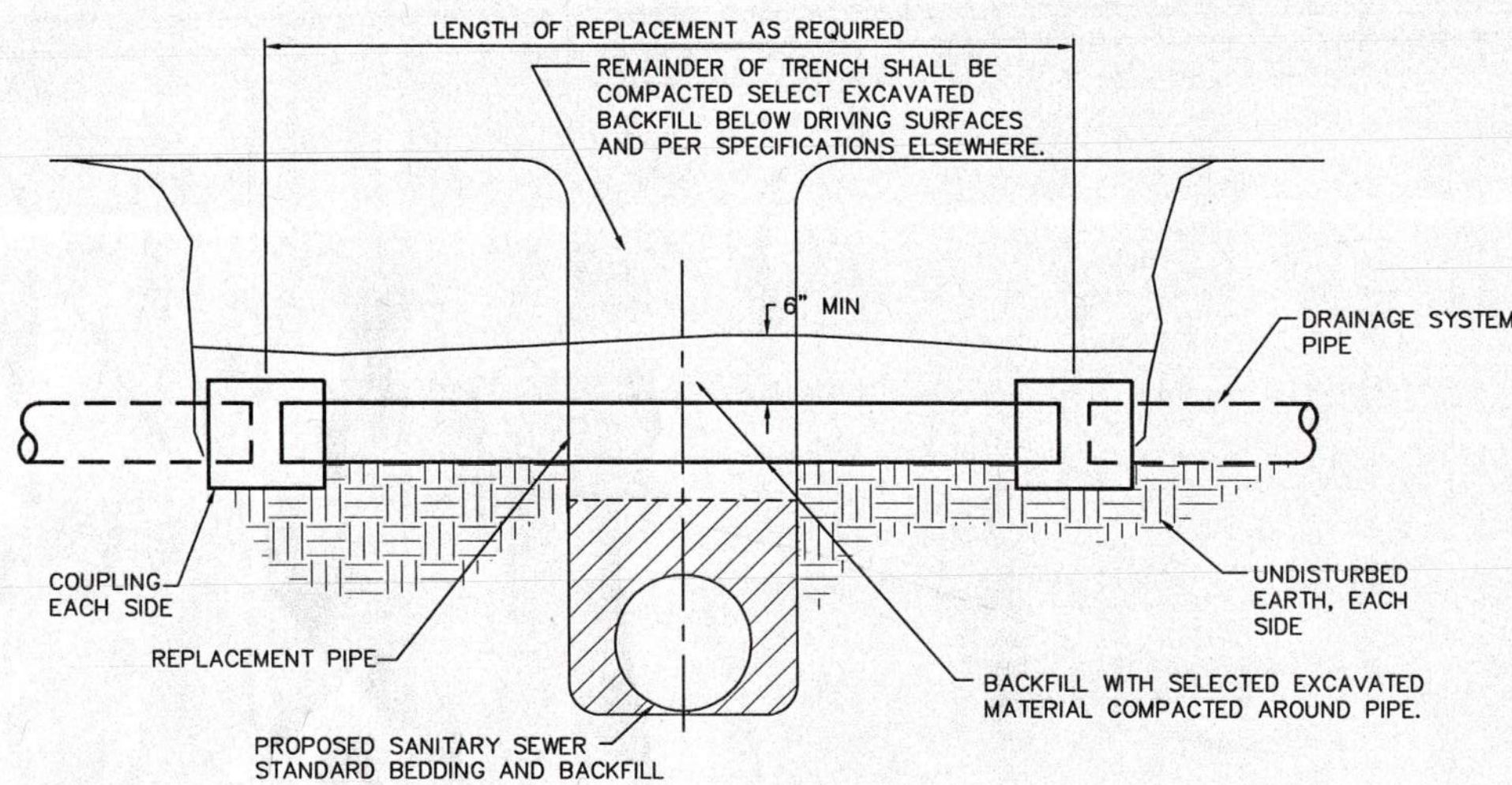
**RECORD DRAWING
SEPTEMBER 2000**

NOTE: REMAINING SECTIONS OF OLD SANITARY SEWER FROM STA. 0+00 TO STA. 18+80 WERE PUMPED FULL WITH PCC MORTAR. REMOVED ALL OLD MANHOLE SECTIONS EXCEPT BOTTOM SECTION. COMPACTED BACKFILL TO EXISTING GROUND.



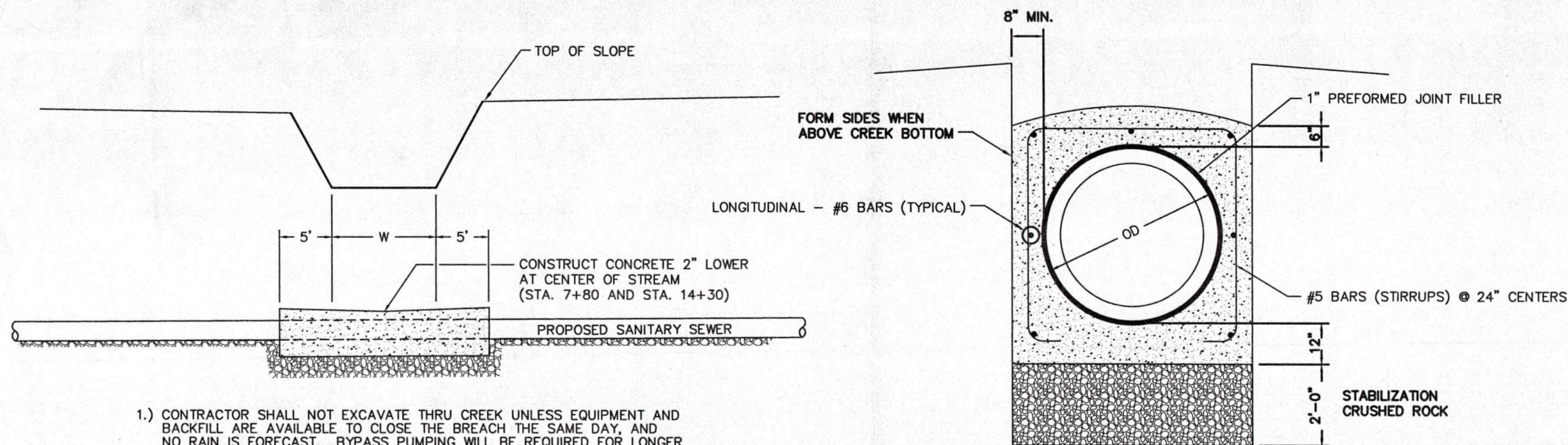


TYPICAL ROADWAY & RAILROAD CROSSING DETAIL
NOT TO SCALE



- NOTES:
1. REPAIR PIPE SHALL BE SAME SIZE AND MATERIAL AS EXISTING, OR AS APPROVED BY THE ENGINEER.
 2. INSIDE DIAMETER OF REPAIR PIPE AND EXISTING DRAIN PIPE SHALL BE IDENTICAL AND THE INVERTS OF BOTH PIPES ON EACH END SHALL BE AT THE SAME ELEVATION TO ASSURE A SMOOTH FLOWLINE.
 3. COUPLING BETWEEN EXISTING DRAIN PIPE AND REPAIR PIPE ON EACH END SHALL BE OF FLEXIBLE NEOPRENE TYPE MATERIAL WITH STAINLESS STEEL BANDS AS FERNCO, OR EQUAL.

DRAINAGE SYSTEM REPLACEMENT DETAIL
NOT TO SCALE

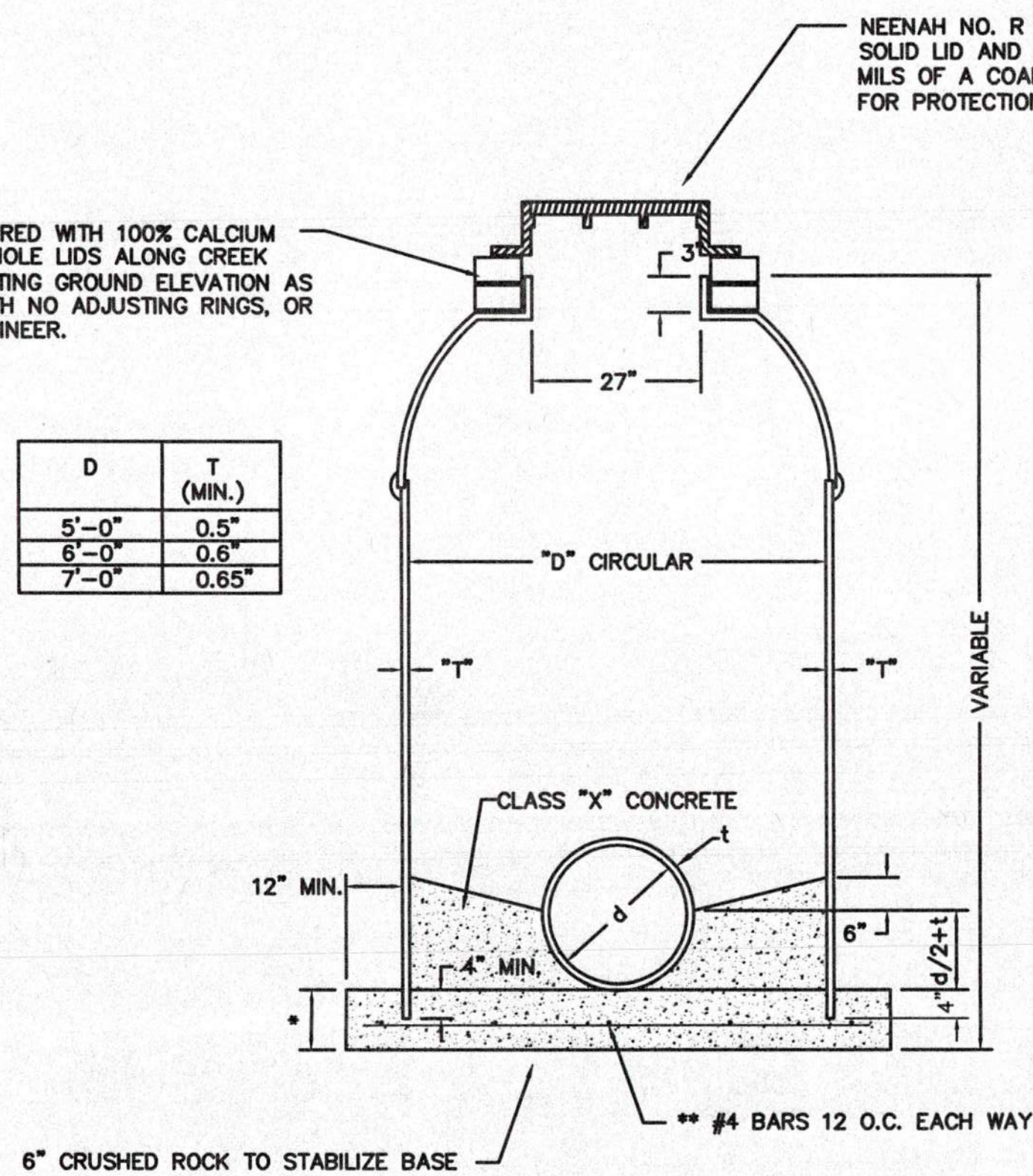


1. CONTRACTOR SHALL NOT EXCAVATE THRU CREEK UNLESS EQUIPMENT AND BACKFILL ARE AVAILABLE TO CLOSE THE BREACH THE SAME DAY, AND NO RAIN IS FORECAST. BYPASS PUMPING WILL BE REQUIRED FOR LONGER THAN ONE DAY STREAM CLOSURE.
2. BACKFILL OF THE CREEK BANK EXCAVATION SHALL BE COMPACTED TO 90% MAXIMUM STANDARD PROCTOR DENSITY.
3. GRADE CREEK OR DITCH TO DRAIN

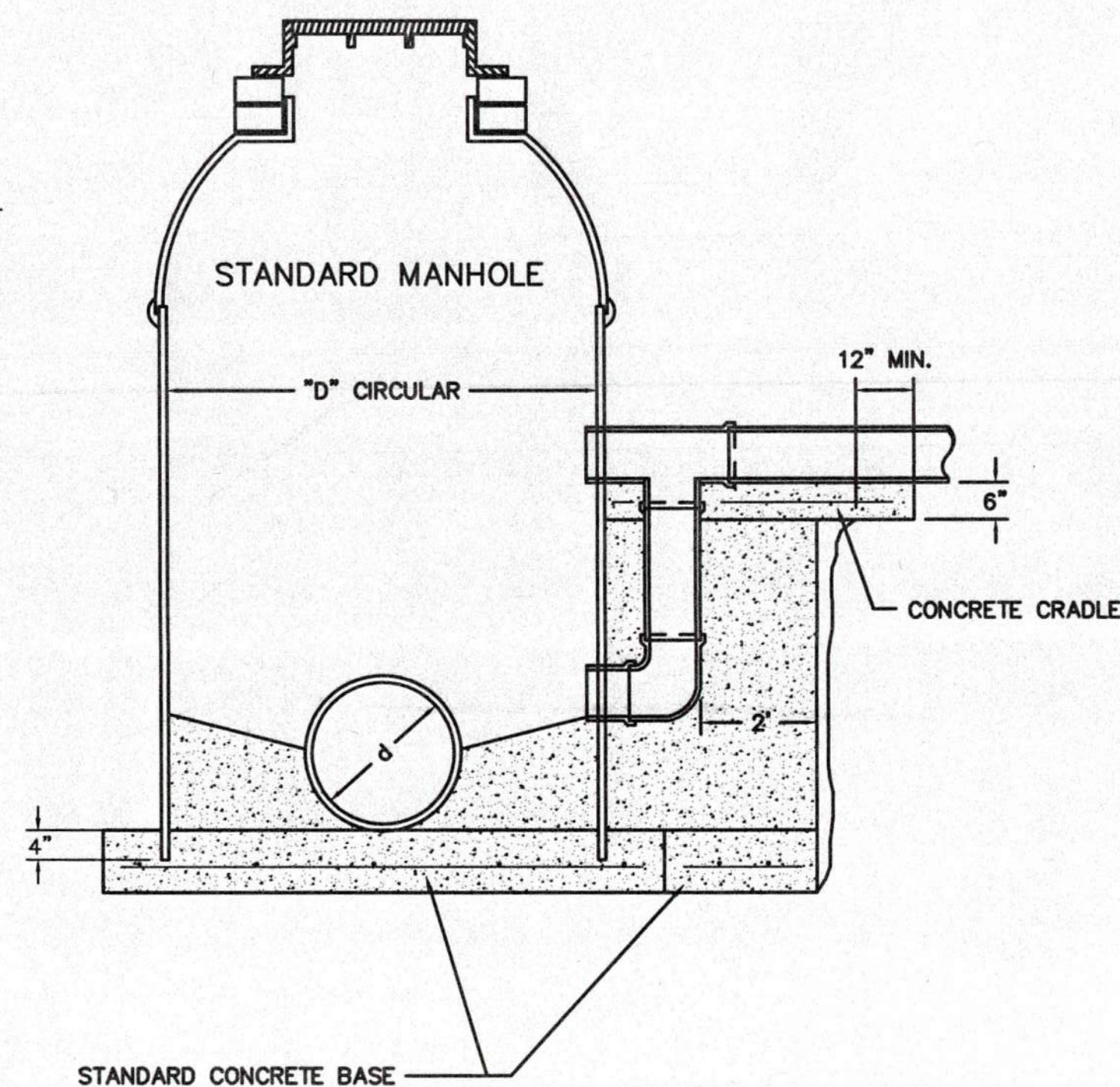
CREEK CROSSING DETAIL
NOT TO SCALE

ADJUSTING RINGS AS REQUIRED WITH 100% CALCIUM ALUMINATE MORTAR. MANHOLE LIDS ALONG CREEK SHALL BE ABOVE THE EXISTING GROUND ELEVATION AS SHOWN ON THE PLANS, WITH NO ADJUSTING RINGS, OR AS DIRECTED BY FIELD ENGINEER.

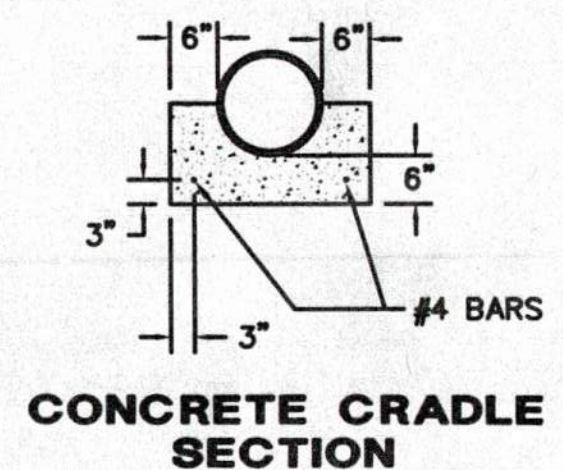
D	T (MIN.)
5'-0"	0.5"
6'-0"	0.6"
7'-0"	0.65"



MANHOLE DETAIL
NOT TO SCALE



STANDARD DROP MANHOLE DETAIL
NOT TO SCALE



NOTES:

1. ALL JOINTS SHALL BE SEALED WATER-TIGHT BY MEANS OF INSERT-A-TEE FITTINGS, OR KOR-N-SEAL BOOTS IN THE MANHOLE WALL (OR APPROVED EQUAL).
2. RISER AND FITTINGS SHALL BE VITRIFIED CLAY PIPE.
3. MANHOLE WALLS SHALL HAVE ADDED THICKNESS AT LOCATION OF RISER.

RECORD DRAWING
SEPTEMBER 2000

ARCHIVE INFORMATION: F:\CADD-DWG\94041\U041.DWG

DESIGN	JEP/KEP
DRAWN	KEP
CHECKED	
APPROVED	

REV	ITEM	DATE

CITY OF DAVENPORT
1200 E. 46th Street, Davenport, IA 52807

McCLURE
ENGINEERING
ASSOCIATES, INC.

QUAD CITY OFFICE
4700 Kennedy Drive
East Moline, IL 61244
(309) 792-9350
(309) 792-8974 FAX

GOOSE CREEK INTERCEPTOR
City of Davenport, IA

DETAILS
MISC.

SHEET
33
OF 34