STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

PLANS FOR PROPOSED LOCAL AGENCY IMPROVEMENT SURFACE TRANSPORTATION RURAL - BRIDGE

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LIST OF STANDARDS

TEMPORARY EROSION CONTROL DEVICES 280001-07 515001-04 NAME PLATE FOR BRIDGES 630301-09 SHOULDER WIDENING FOR TYPE 1 (SPL) GUARDRAIL TERMINALS TRAFFIC BARRIER TERMINAL, TYPE 6A 631032-09 RIGHT OF WAY MARKERS 701001-02 OFF ROAD OPERATIONS, 2L, 2W, MORE THAN 15' AWAY 701006-05 OFF ROAD OPERATIONS, 2L, 2W, 15' TO 24' FROM PAVEMENT EDGE 701011-04 OFF ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY 701301-04 LANE CLOSURE 2L, 2W, SHORT TERM OPERATIONS 701306-04 LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS > 45 MPH TRAFFIC CONTROL DEVICES 701901-08 BI R21-9 TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS

HORIZ CROSS SECTIONS ----

CATALOG NO. 035677-00D CONTRACT NO. 89753 JOB NO. C-94-016-19



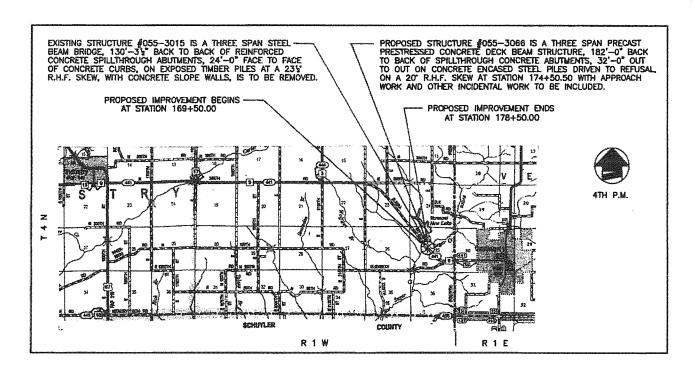
McDONOUGH COUNTY

F.A.S. ROUTE 441 (CH 9) OVER SUGAR CREEK SECTION 08-00103-00-BR

JOB NO. C-94-016-19

PROJECT NO. 2D5L(964)

PROPOSED STRUCTURE NO. 055-3066



LOCATION MAP

APPROXIMATE SCALE:

TOTAL & NET LENGTH OF PROJECT: 900.0 FT. = 0.1705 MI.

ROADWAY CLASSIFICATION: MAJOR COLLECTOR (NON-URBAN) ADT = 555 (2039)

DESIGN GUIDELINES: RURAL

DESIGN SPEED = 40 M.P.H.



10/7/19 DATE

PROJECT

LOCATION

DEDIX MCDLFM MCDLFM MCDLFM CLARK

AMCDLM DOCCOM MCDCCOM MCDCCO

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

APPROVED OCT 10 20 19

McDONGUGH COUNTY ENGINEER

PASSED

DISTRICT 4 ENGINEER OF LICCAL ROADS & STREETS

RELEASING FOR BID
BASED ON LIMITED

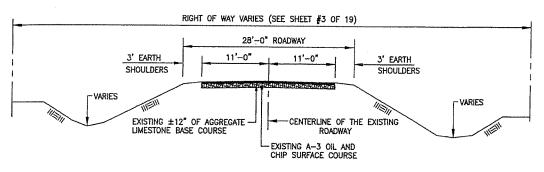
REVIEW

REGION 3 ENGINEER

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

NOTE: UNLESS OTHERWISE NOTED ON CROSS SECTIONS

TYPICAL SECTION THROUGH THE PROPOSED ROADWAY FROM STA 169+50.00 TO STA 173+59.50 AND FROM STA 175+41.50 TO STA 178+50.00 NO SCALE



TYPICAL SECTION THROUGH THE EXISTING ROADWAY FROM STA 169+50.00 TO STA 173+81.58 AND FROM STA 175+11.87 TO STA 178+50.00

QUANTITIES NOT OTHERWISE SHOWN ON THE PLANS

20100500: TREE REMOVAL, ACRES 35100100: AGGREGATE BASE COURSE, TYPE A (2.0 TONS PER CU YD) (USE AVERAGE DEPTH OF 12" AND WIDTH OF 23') STA 174+50.50 RT. TO STATION 178+50.00 RT. = 0.3 ACRE STATION 169+50.00 TO STATION 173+59.50 STATION 175+41.50 TO STATION 178+50.00 = 698.0 TONS TOTAL = 0.3 ACRE = 526.0 TONS (ADD 10% FOR RUTTING) = 122 0 TONS 48101200: AGGREGATE SHOULDERS, TYPE B (@2.0 TONS PER CU YD) TOTAL = 1346.0 TONS STATION 169+50.00 TO STATION 173+59.50 40603080: HOT MIX ASPHALT BINDER COURSE, IL-19.0, N50 (USE 112.0 LB/SQ YD/INCH) STATION 175+41.50 TO STATION 178+50.00 = 57.0 TONS TOTAL = 133.0 TONS STATION 169+50.00 TO STATION 173+59.50 STATION 175+41.50 TO STATION 178+50.00 129.0 TONS 97.0 TONS (ADD 10% FOR RUTTING) 23.0 TONS 40600275: BITUMINOUS MATERIALS (PRIME COAT) (USE 0.25 LBS PER SQ. FT.) TOTAL = 249.0 TONS STATION 169+50.00 TO STATION 173+59.50 = 2342.0 POUNDS = 1764.0 POUNDS STATION 175+41.50 TO STATION 178+50.00 40604050: HOT MIX ASPHALT SURFACE COURSE, IL-9.5, MIX C, N50 TOTAL = 4106.0 POUNDS STATION 169+50 00 TO STATION 173+59 50 168.0 TONS 127.0 TONS 44000100: PAVEMENT REMOVAL STATION 175+41.50 TO STATION 178+50.00 BRIDGE DECK 92.0 TONS STATION 169+50.00 TO STATION 173+81.58 = 1055.0 SQ YDS STATION 175+11.87 TO STATION 178+50.00 = 827.0 SQ YDS TOTAL = 387.0 TONS TOTAL = 1882.0 SQ YDS 78007120: PERMANENT PAVEMENT MARKING - LINE 5" 40600290: BITUMINOUS MATERIALS (TACK COAT) STA 169+50.00 TO STA 178+50.00 SKIP-DASH (900' x .25' PER FOOT OF PAINT) = 225.0 FOOT STA 172+95.00 RT. TO STA 178+50.00 RT. (USE 0.025 LBS PER SQ. FT.) NO PASSING ZONE

= 172.0 POUNDS

TOTAL = 400.0 POUNDS

STATION 169+50.00 TO STATION 173+59.50

STATION 175+41.50 TO STATION 178+50.00

GENERAL NOTES

1. ALL PROFILE GRADES	ARE TO	THE TOP	OF THE FINI	SHED HOT MIX	ASPHALT SURFACE
COURSE.					

- 2. Where section or subsection monuments are encountered, the engineer shall be notified before such monuments are removed. The contractor shall carefully protect and preserve all property markers and monuments until THE OWNER, AN AUTHORIZED SURVEYOR, OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.
- 3. THE COST OF REMOVING ANY EXISTING ENTRANCES, CROSS ROAD CULVERTS, OR DITCH CULVERTS IS TO BE CONSIDERED INCIDENTAL TO THE COST PER CUBIC YARD FOR EARTH
- 4. THE CONTRACTOR SHALL CONSULT WITH THE ENGINEER IN REGARD TO THE AMOUNT OF RIPRAP AND BEDDING MATERIAL REQUIRED PRIOR TO ORDERING THESE ITEMS.
- 5. THE NECESSARY REMOVAL OF ANY EXISTING FENCES ARE TO BE DONE BY THE COUNTY PRIOR TO THE BEGINNING OF CONSTRUCTION WITH THE COST TO BE CONSIDERED INCIDENTAL TO THE COST OF THE PROJECT.
- 6. THE EXISTING RIGHT OF WAY DIMENSIONS SHOWN ON THE PLAN/PROFILE AND CROSS SECTION SHEETS ARE ONLY APPROXIMATE.
- 7. THE CONTRACTOR WILL NOT BE ALLOWED TO BURY THE EXISTING STRUCTURES OR TREES NEAR THE JOBSITE. THIS MATERIAL IS TO BE HAULED OFF THE AREA BY THE CONTRACTOR EXCEPT FOR THOSE MATERIALS DEEMED SALVAGABLE BY THE ENGINEER.
- 8. THE REMOVAL OF THE EXISTING ROADWAY SURFACE IS TO BE PAID FOR AT THE COST PER SQUARE YARD FOR PAVEMENT REMOVAL. THE COST TO REMOVE THE EXISTING BASE COURSE MATERIAL TO CONSTRUCT THE NEW BRIDGE IS TO BE CONSIDERED INCIDENTAL TO THE COST PER CUBIC YARD FOR EARTH EXCAVATION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE LOCATION AND ELEVATION OF ALL EXISTING UTILITIES AND TO NOTIFY ALL UTILITY COMPANIES PRIOR TO THE BEGINNING OF CONSTRUCTION. THIS SHALL BE INCIDENTAL TO THE CONTRACT.
- 10. TERMINAL MARKERS ARE TO BE PLACED AT THE END OF EACH TYPE 1 TRAFFIC BARRIER TERMINAL WITH THIS WORK BEING DONE BY OTHERS.
- 11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SAWCUTTING BUTT JOINTS IN THE EXISTING BITUMINOUS PAVEMENT AT EACH END OF THE PROJECT LIMITS PRIOR TO REMOVING THE SURFACE AS DIRECTED BY THE ENGINEER. THIS WORK IS TO BE CONSIDERED INCIDENTAL TO THE COST PER SQUARE YARD FOR PAVEMENT REMOVAL

12. HOT-MIX ASPHALT REQUIREMENTS:

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT.

MIXTURE USE(S):	SURFACE COURSE	BINDER COURSE
PG:	6422	64-22
DESIGN AIR VOIDS:	4.0% ONdes = 50	4.0% @Ndes = 50
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL 9.5	IL 19.0
FRICTION AGGREGATE:	Mixture C (dolomite or 1/4")	N/A
MIXTURE WEIGHT:	112 lb./sq yd/inch	112 lb./sq yd/inch
QUALITY MGMT. PROGRAM.:	QCQA	QCQA
SUBLOT SIZE:	N/A	N/A
NUMBER OF ROLLER PASSES	7	7

13. COMMITMENTS:

= 555.0 FOOT

TOTAL = 780.0 FOOT

COMMITMENTS ARE NOT TO BE ALTERED WITHOUT THE WRITTEN APPROVAL OF ALL PARTIES TO WHICH THE COMMITMENT WAS MADE.

THERE ARE THREE COMMITMENTS TOWARDS THIS PROJECT WHICH TWO ARE BASED ON THE BIOLOGICAL RESOURCES AND NATURAL RESOURCES REVIEW LETTER AND ONE ON THE PROPOSED

- A. TREE CLEARING RESTRICTION. TREES THREE (3) INCHES OR GREATER IN DIAMETER AT BREAST HEIGHT ARE NOT TO BE CLEARED BETWEEN APRIL 1 AND SEPTEMBER 30.
- B. BRIDGE BAT ASSESSMENT MUST BE CONDUCTED PRIOR TO CONSTRUCTION. THE STRUCTURE WAS SURVEYED FOR SIGNS OF BATS AND THIS ASSESSMENT IS VALID FOR TWO YEARS. IF THE ASSESSMENT EXPIRES, A NEW BRIDGE BAT SURVEY/ASSESSMENT WILL BE CONDUCTED PRIOR TO CONSTRUCTION. THE CURRENT ASSESSMENT WAS MADE ON 10/31/2018 AND IS VALID FOR
- C. McDONOUGH COUNTY IS REQUIRED TO CONTACT THE THREE PROPERTY OWNERS THAT LIVE ALONG THIS ROAD IN FULTON COUNTY THAT ARE BETWEEN THE McDONOUGH COUNTY LINE AND THE VILLAGE OF VERMONT, IL. TO KEEP THEM NOTIFIED OF THE UPCOMING CONSTRUCTION AND TIME UNE OF WORK, AS PER THE FULTON COUNTY HIGHWAY DEPARTMENT DETOUR APPROVAL

F.A.S. POUTE	SECTION	COUNTY	TOTAL	SHEET NO.	
441	08-00103-00-BR	McDONOUGH	20	2	
		CONTRACT NO. 89753			
FED, I	ROAD DIST. NO. 7 TELENOIS	FED. AID PROJ.	NO. 2D	51 (964)	

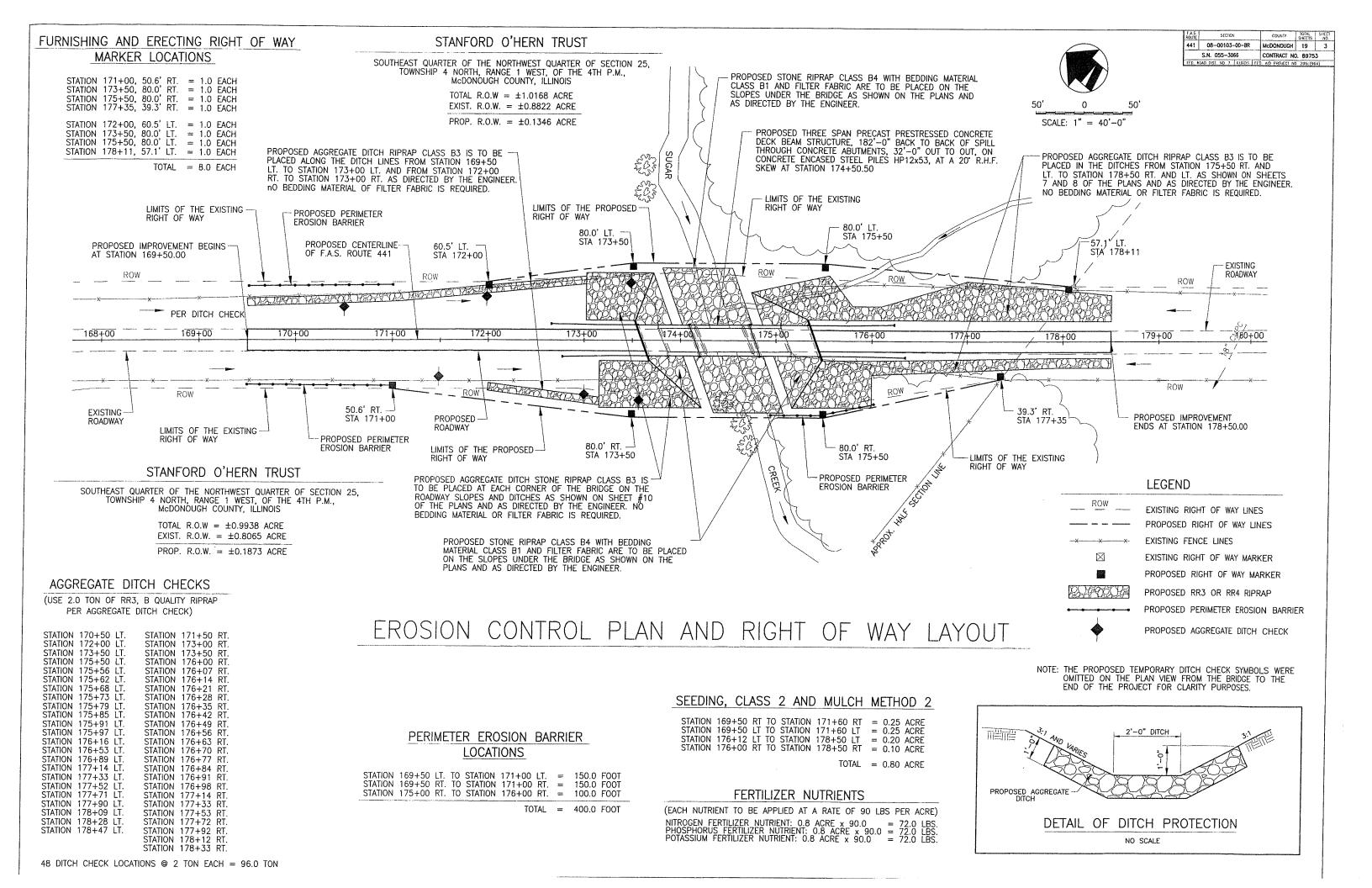
SUMMARY OF QUANTITIES

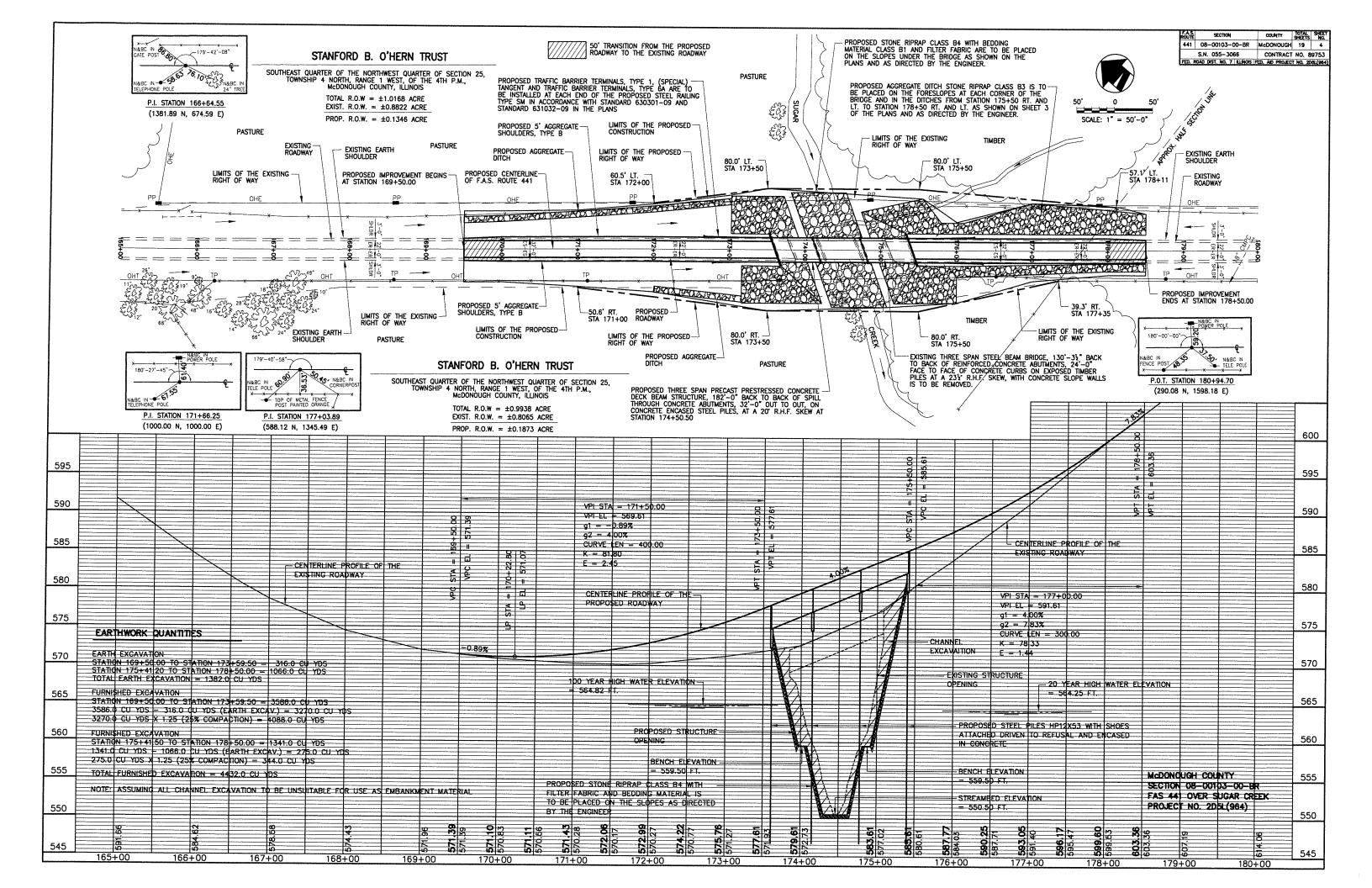
20100500	TREE REMOVAL, ACRES	ACRE	0.3
20200100	EARTH EXCAVATION	CU YD	1382.0
20300100	CHANNEL EXCAVATION	CU YD	1825.0
20400800	FURNISHED EXCAVATION	CU YD	4432.0
25000200	SEEDING CLASS 2	ACRE	8.0
25000400	nitrogen fertilizer nutrient	POUND	72.0
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	72.0
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	72.0
25100115	MULCH, METHOD 2	ACRE	0.8
28000400	PERIMETER EROSION BARRIER	FOOT	400.0
28000315	AGGREGATE DITCH CHECKS	TON	96.0
2810022	7 STONE RIPRAP, CLASS B4	TON	1230.0
28200200	FILTER FABRIC	SQ YD	1515.0
28300400	AGGREGATE DITCH	TON	1590.0
35100100	AGGREGATE BASE COURSE, TYPE A	TON	1346.0
44000100	PAVEMENT REMOVAL	SQ YD	1882.0
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	4106.0
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	400.0
40603080	HMA BINDER COURSE, IL-19.0, N50	TON	249.0
40604050	HMA SURFACE COURSE, IL-9.5, MIX C, N50	TON	387.0
48101200	AGGREGATE SHOULDERS, TYPE B	TON	133.0
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1.0
50104650	SLOPE WALL REMOVAL	SQ YD	440.0
50200100	STRUCTURE EXCAVATION	CU YD	60.0
50200300	COFFERDAM EXCAVATION	CU YD	310.0
50201101	COFFERDAM (TYPE 1) (LOCATION - 1)	EACH	1.0
50201102	COFFERDAM (TYPE 1) (LOCATION - 2)	EACH	1.0
50300225	CONCRETE STRUCTURES	CU YD	219.9
50300280	CONCRETE ENCASEMENT	CU YD	4.2
50400505	PP CONCRETE DECK BEAMS, (27" DP.)	SQ FT	5757.0
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	19490.0
△ 50901050	STEEL RAILING, TYPE SM	FOOT	364.0
51201600	FURNISHING STEEL PILES HP12x53	FOOT	630.0
51201610	FURNISHING STEEL PILES HP12x63	FOOT	882.0
51202305	DRIVING PILES	FOOT	1512.0
51203600	TEST PILE STEEL HP12x53	EACH	2.0
51203610	TEST PILE STEEL HP12x63	EACH	2.0
51204650	PILE SHOES	EACH	28.0
51500100	NAME PLATES	EACH	1.0
58100200	WATERPROOFING MEMBRANE SYSTEM	SQ YD	640.0
58300100	PORTLAND CEMENT MORTAR FAIRING COURSE	FOOT	315.0
△ 63100087	TRAFFIC BARRIER TERMINAL, TYPE 6A	EACH	4.0
△ 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPL) TANGENT	EACH	4.0
66600105	FURNISHING AND ERECTING RIGHT OF WAY MARKERS	EACH	8.0
67100100	MOBILIZATION	L SUM	1.0
△ 72501000	TERMINAL MARKERS - DIRECT APPLIED	EACH	4.0
△ 78007120	PERMANENT PAVEMENT MARKING - LINE 5"	FOOT	780.0
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1.0
20013798	CONSTRUCTION LAYOUT	L SUM	1.0
20076600	TRAINEES	HOUR	1,000
20076404	TRAINEES TRAINING PROGRAM GRADUATE	Hour	1,000

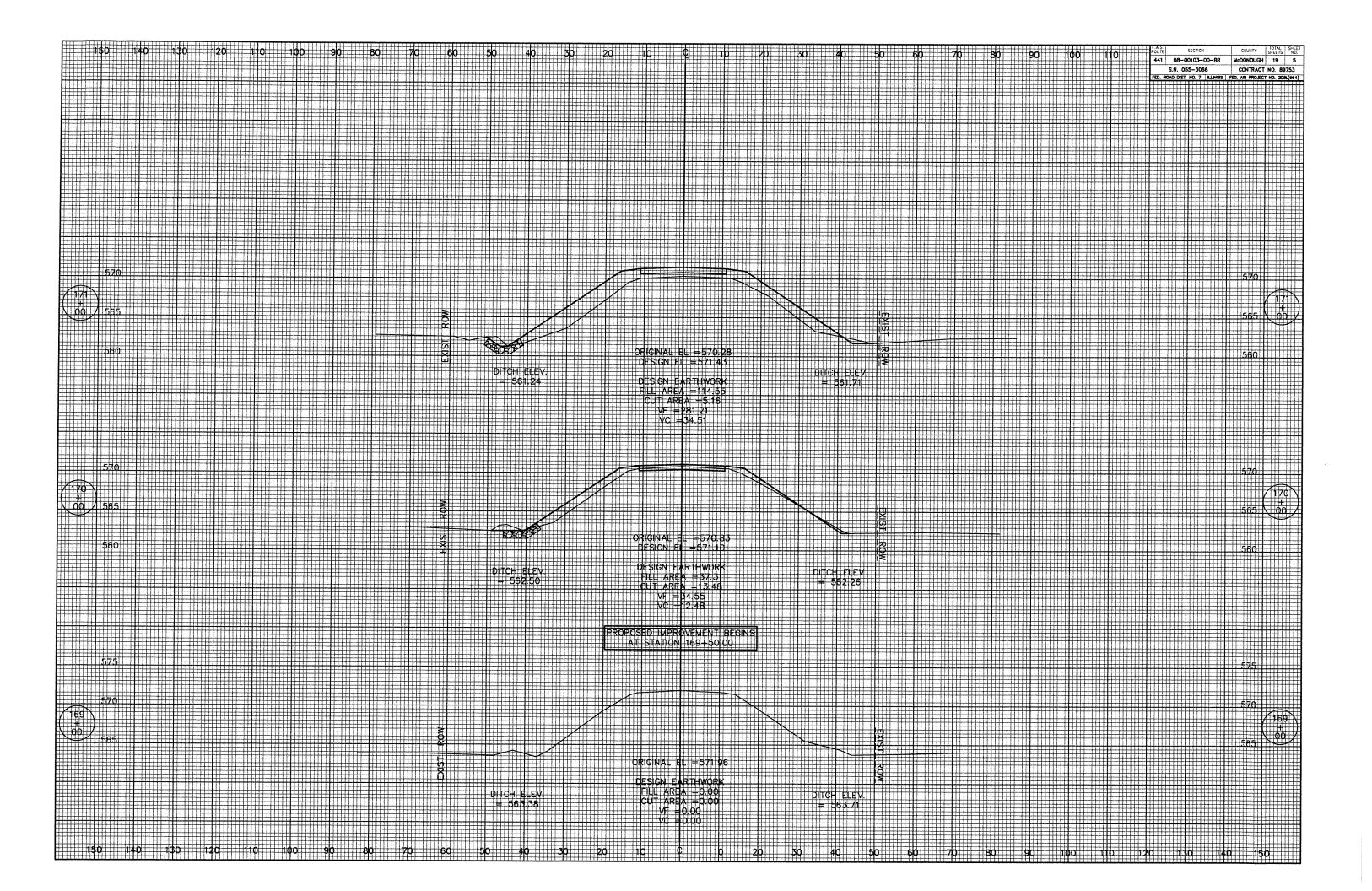
A SPECIALTY ITEMS

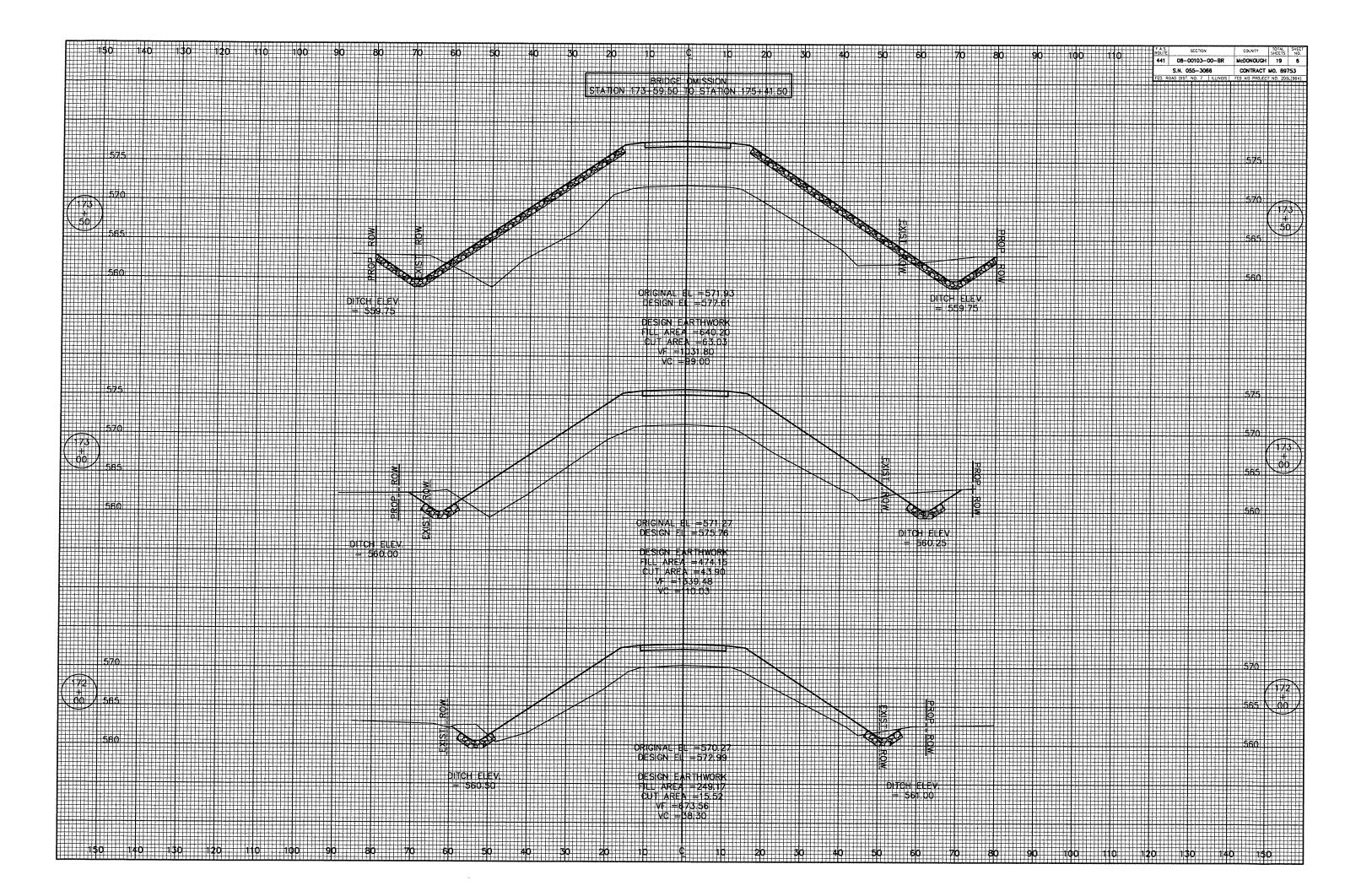
BENCHMARKS

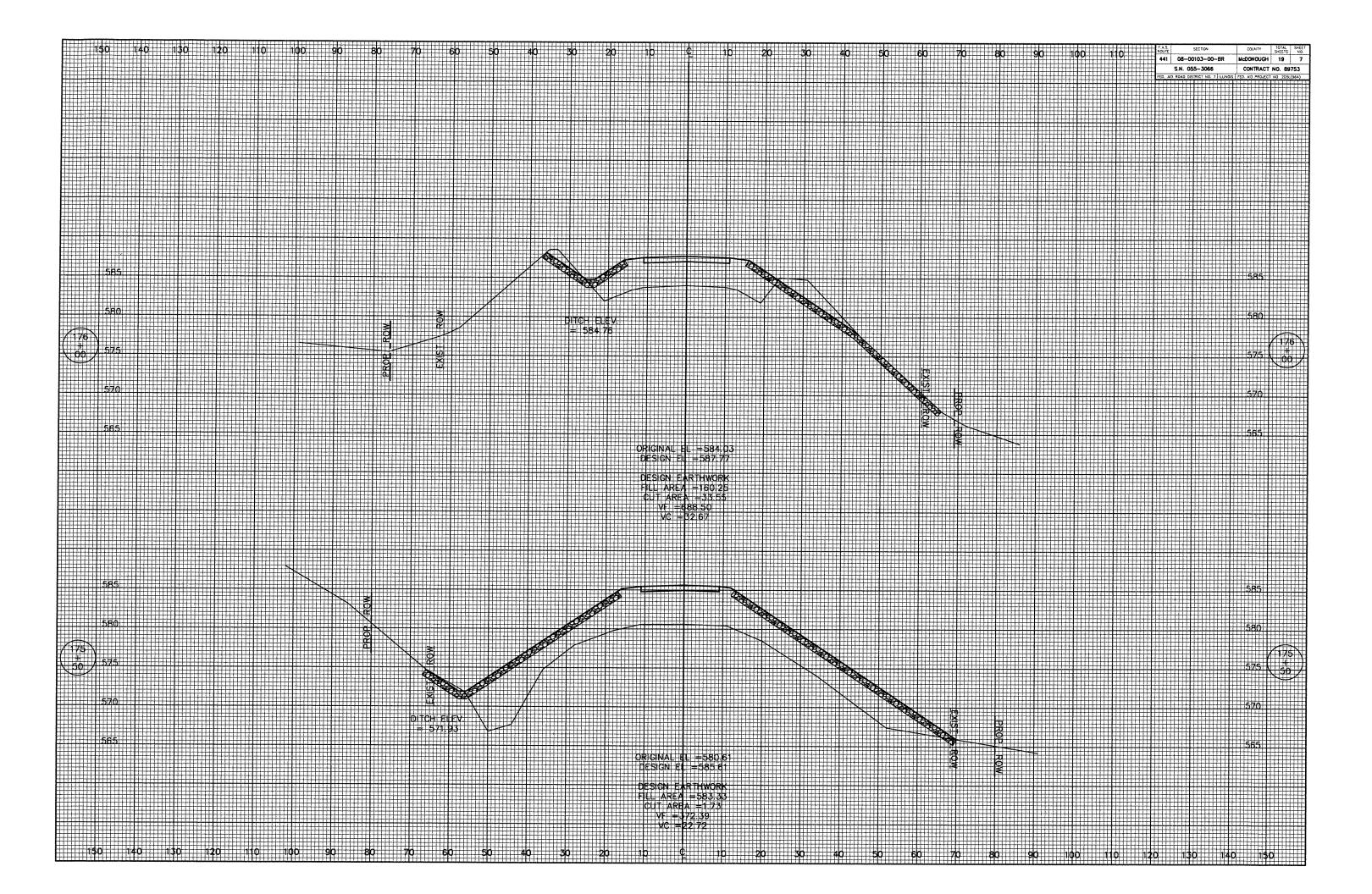
- HORIZONTAL SPIKE IN TELEPHONE POLE STATION 171+13, 42' RT. ELEVATION = 565.65 FEET
- NO. 2 TOP OF CURB ON BRIDGE DECK AT THE NORTHEAST CORNER STATION 173+76, 13' LT. ELEVATION = 572.53 FEET
- NO. 3 TOP OF CURB ON BRIDGE DECK AT THE SOUTHWEST CORNER STATION 175+17, 12' RT. ELEVATION = 578.32 FEET
- HORIZONTAL SPIKE IN CORNERPOST STATION 177+36, 39' RT. ELEVATION = 599.01 FEET

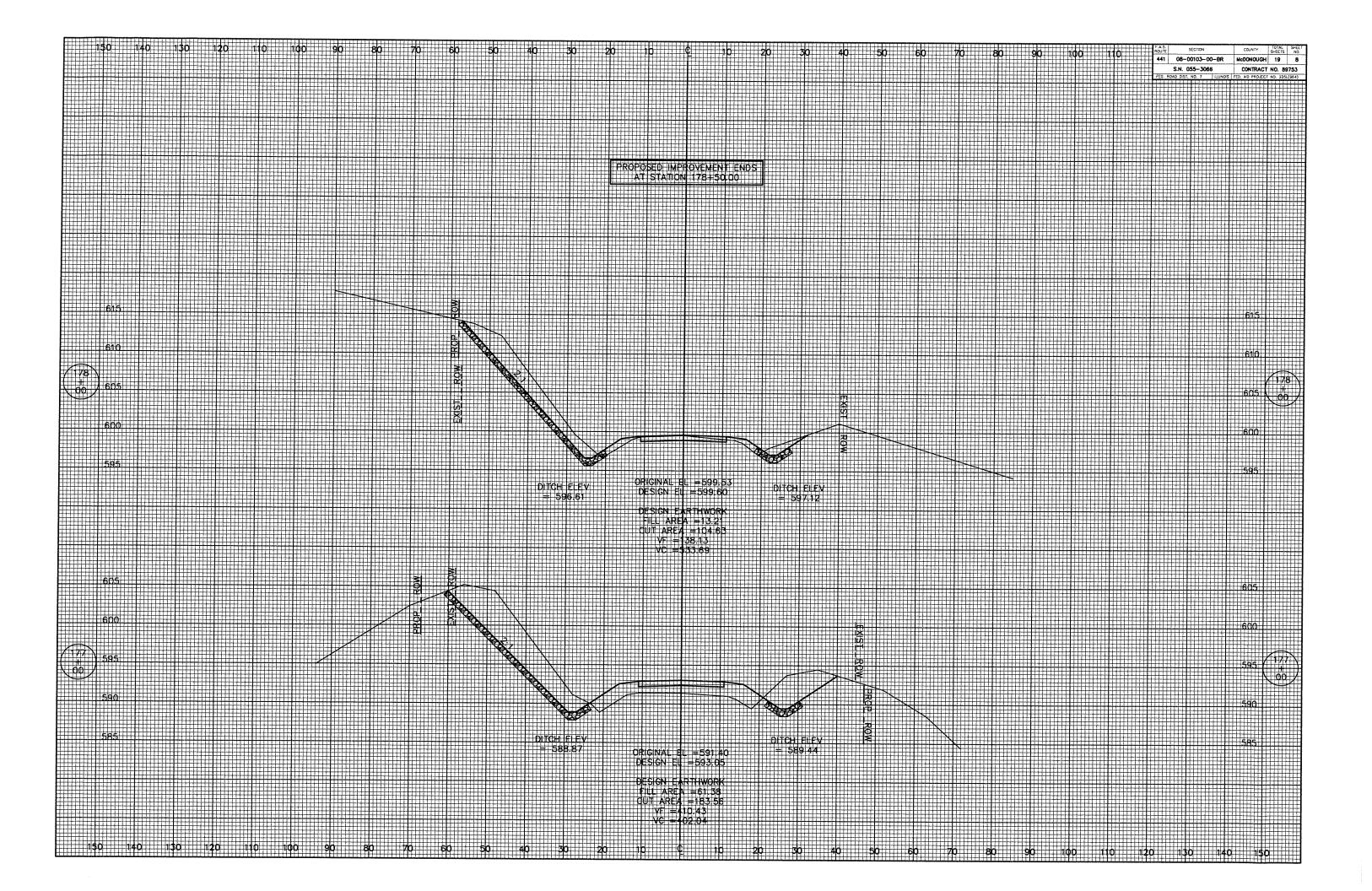


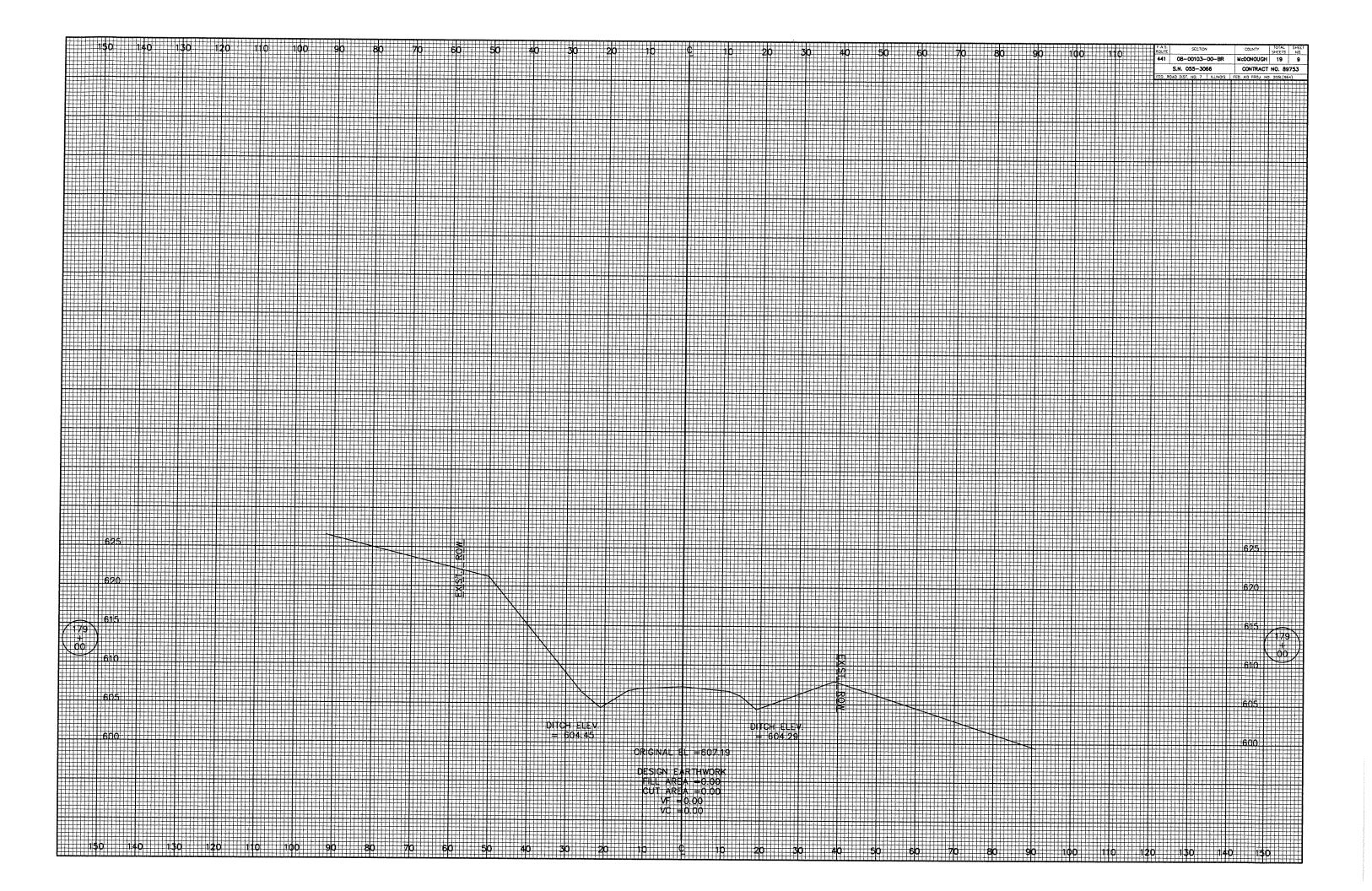


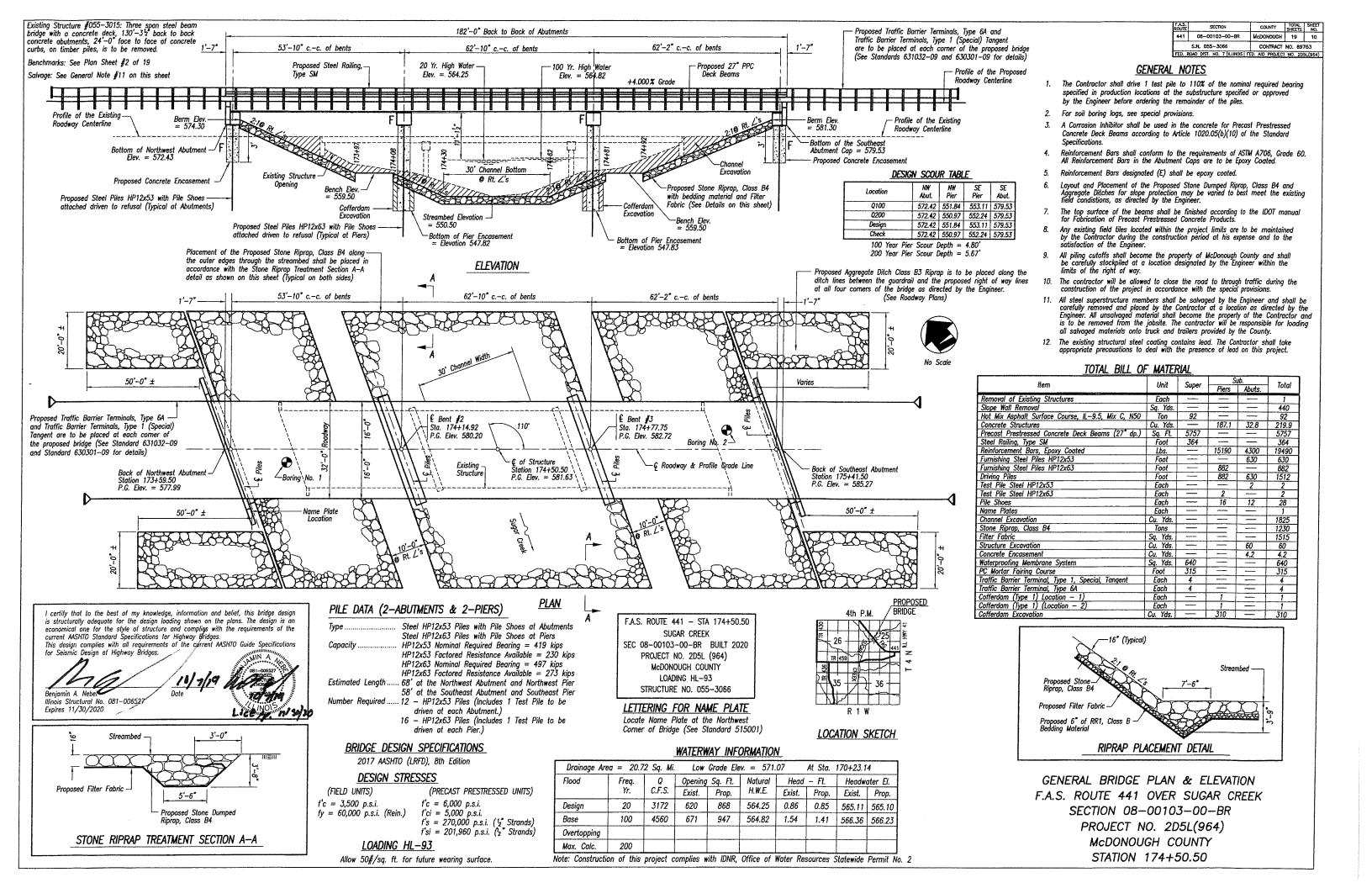


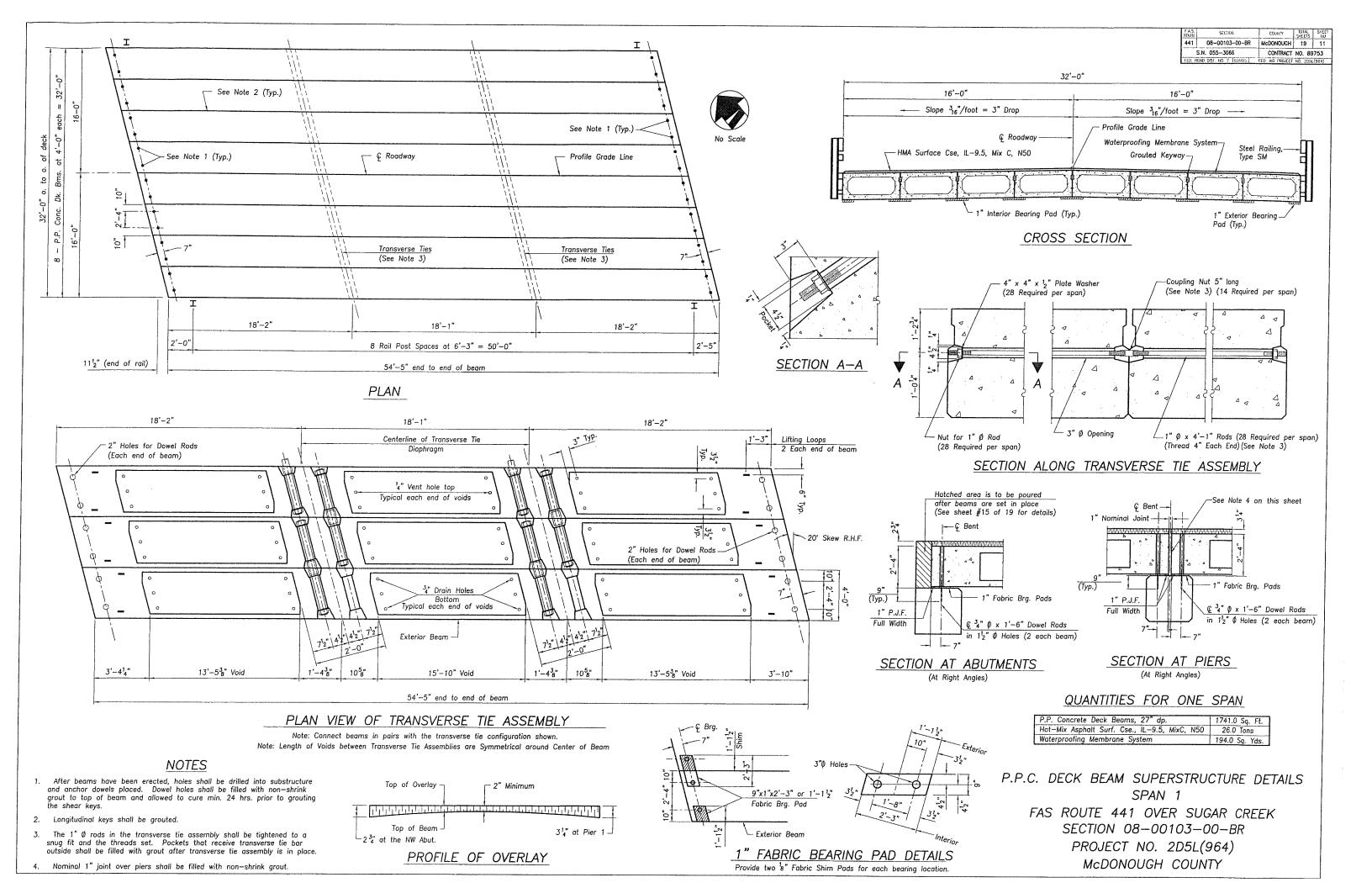


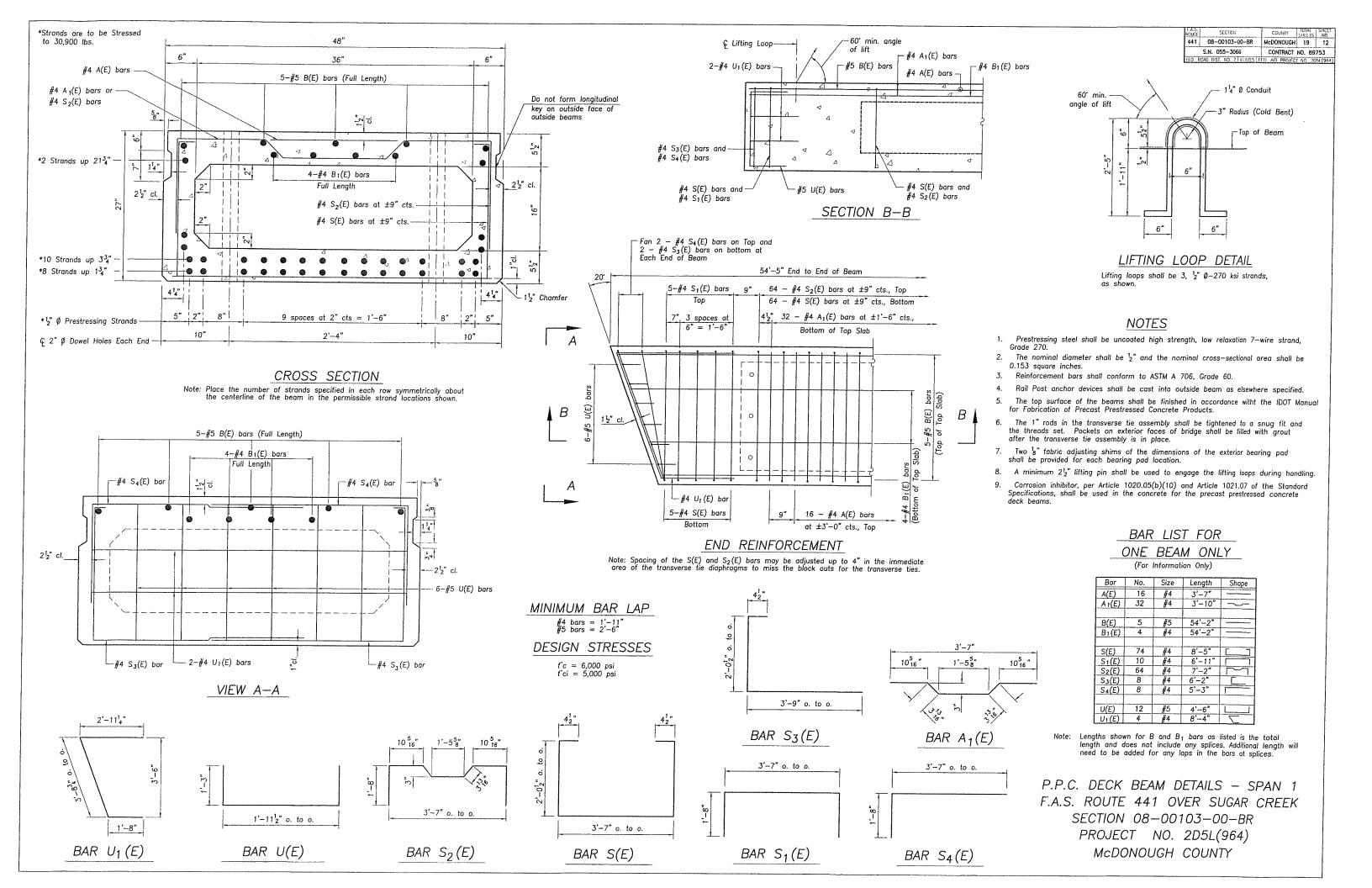


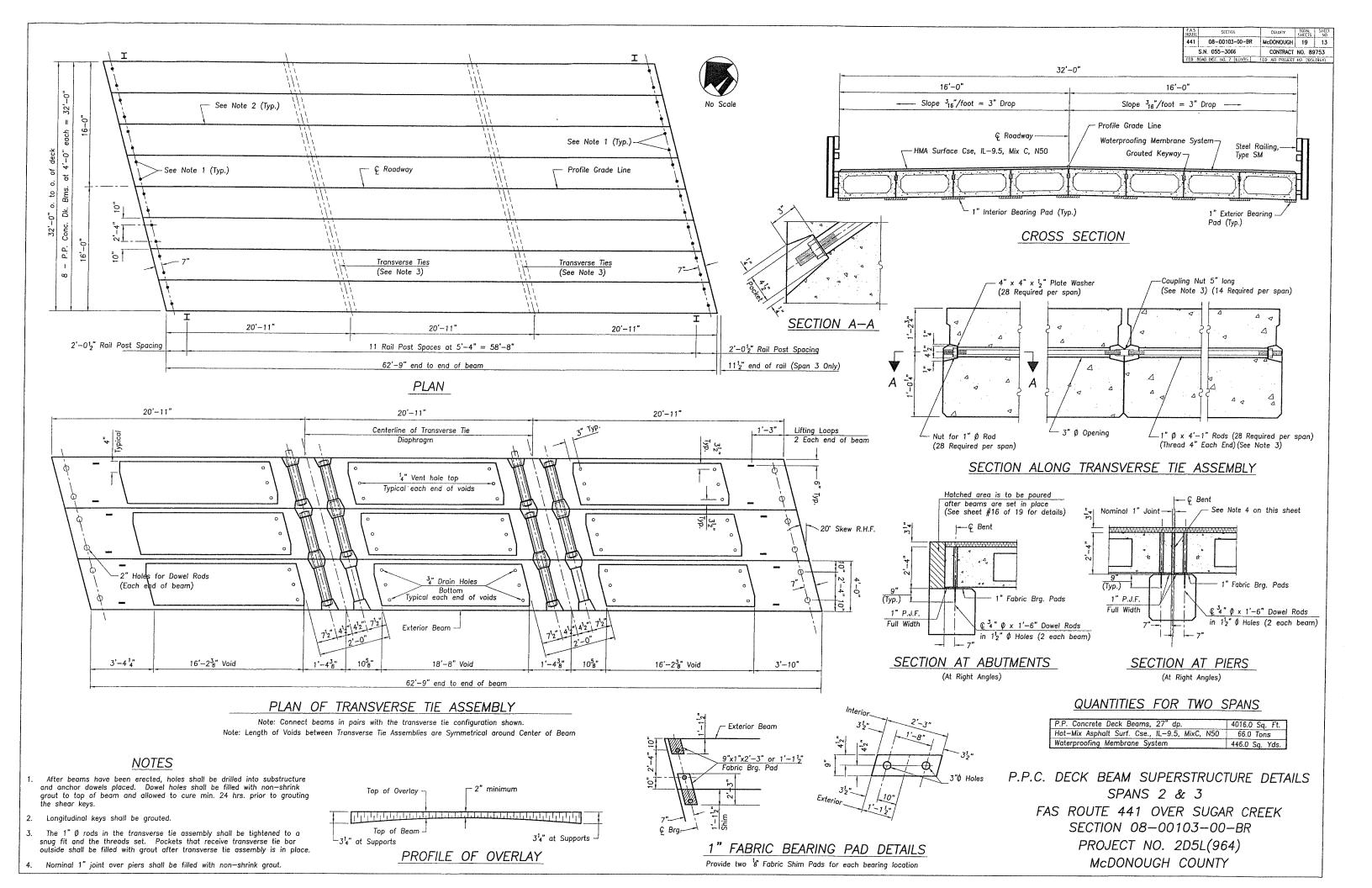


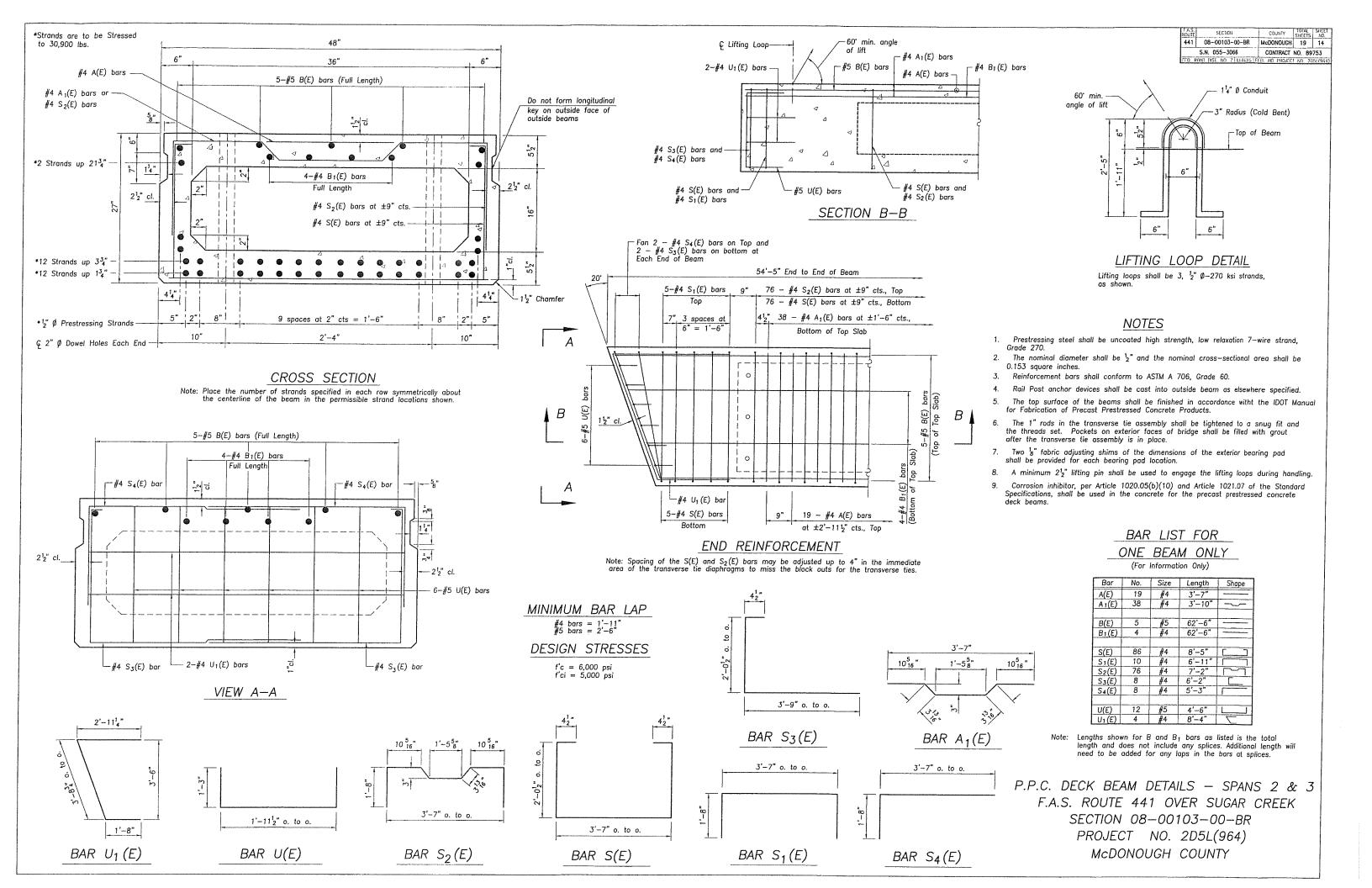


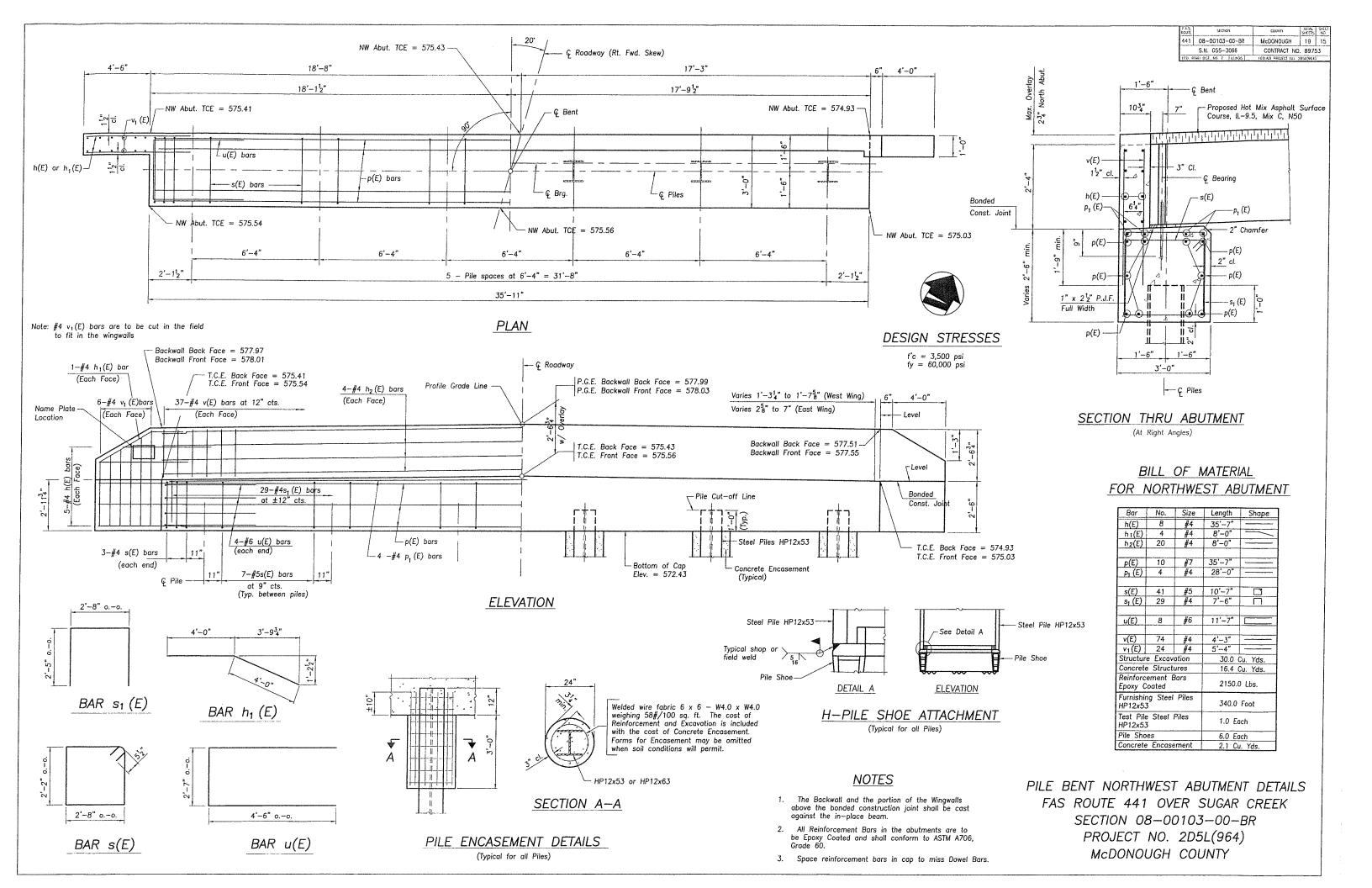


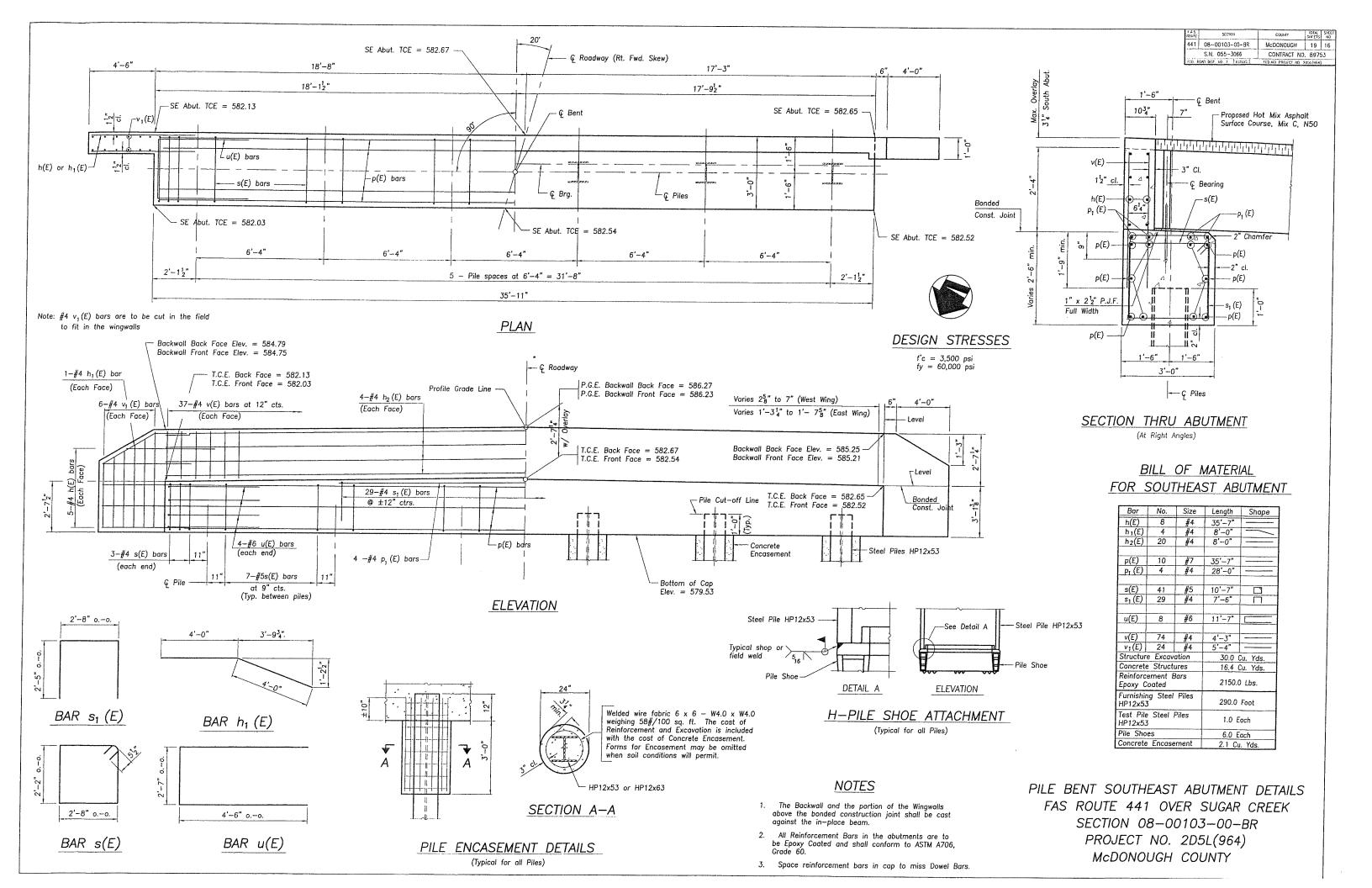


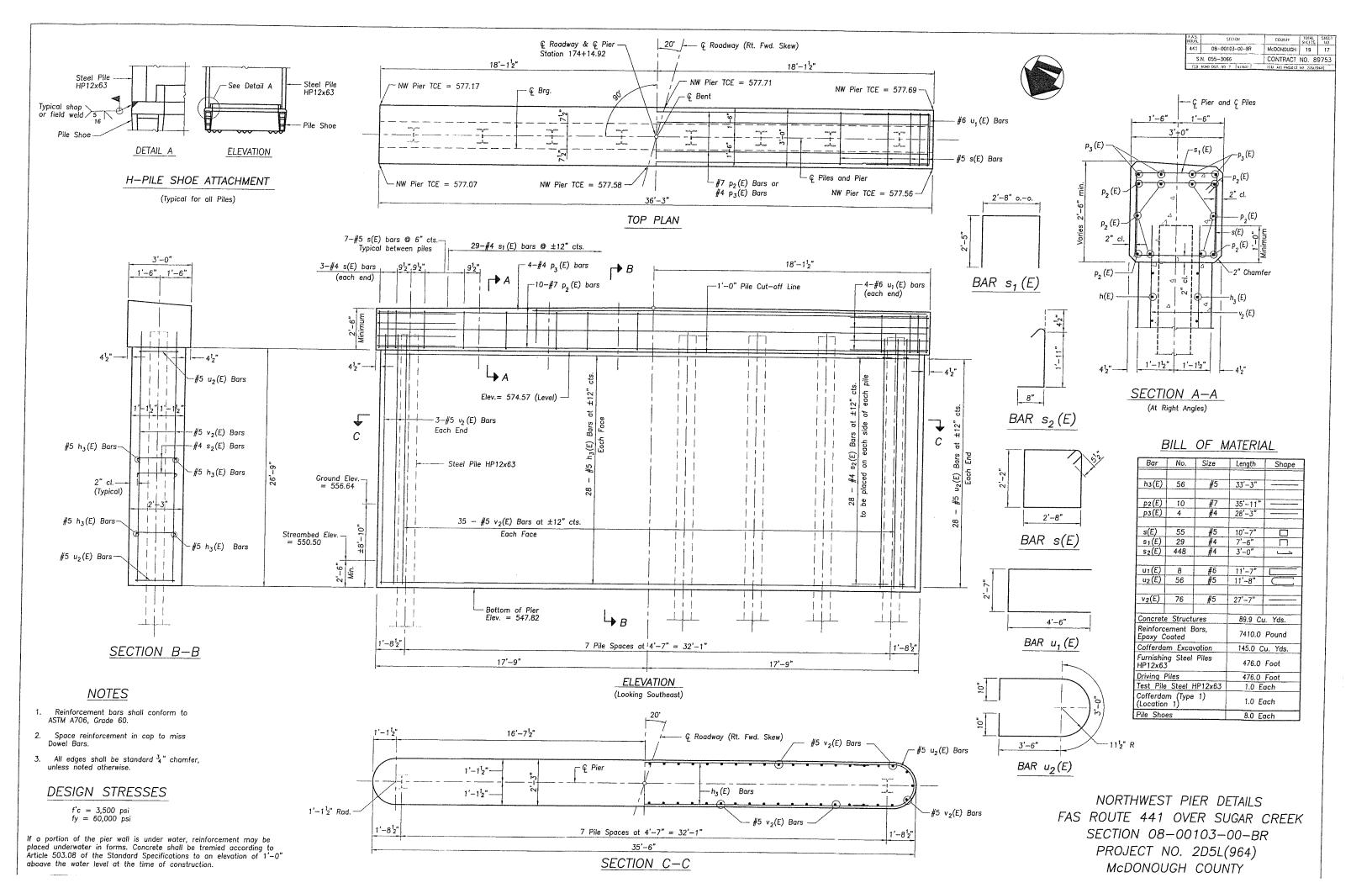


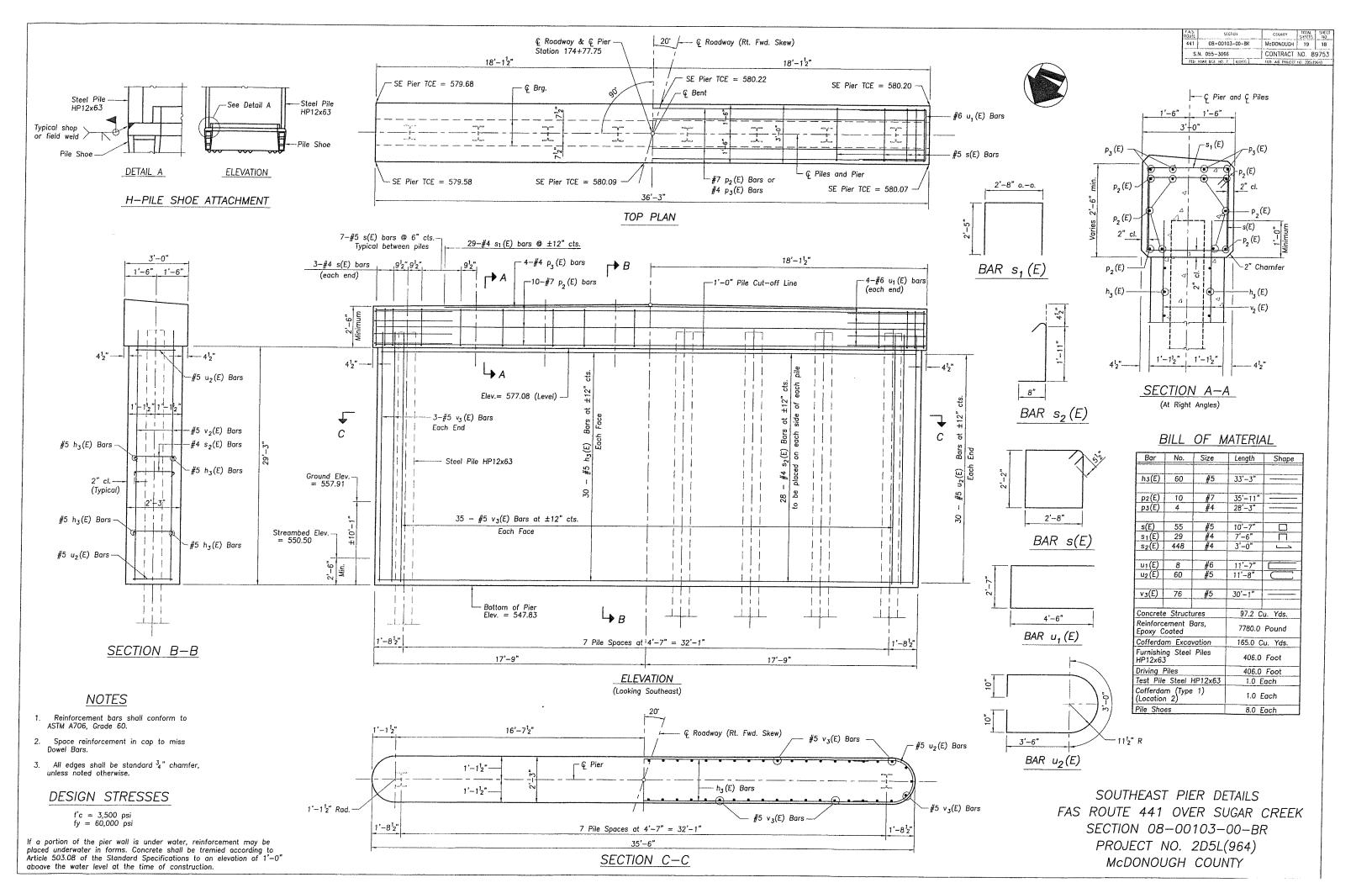


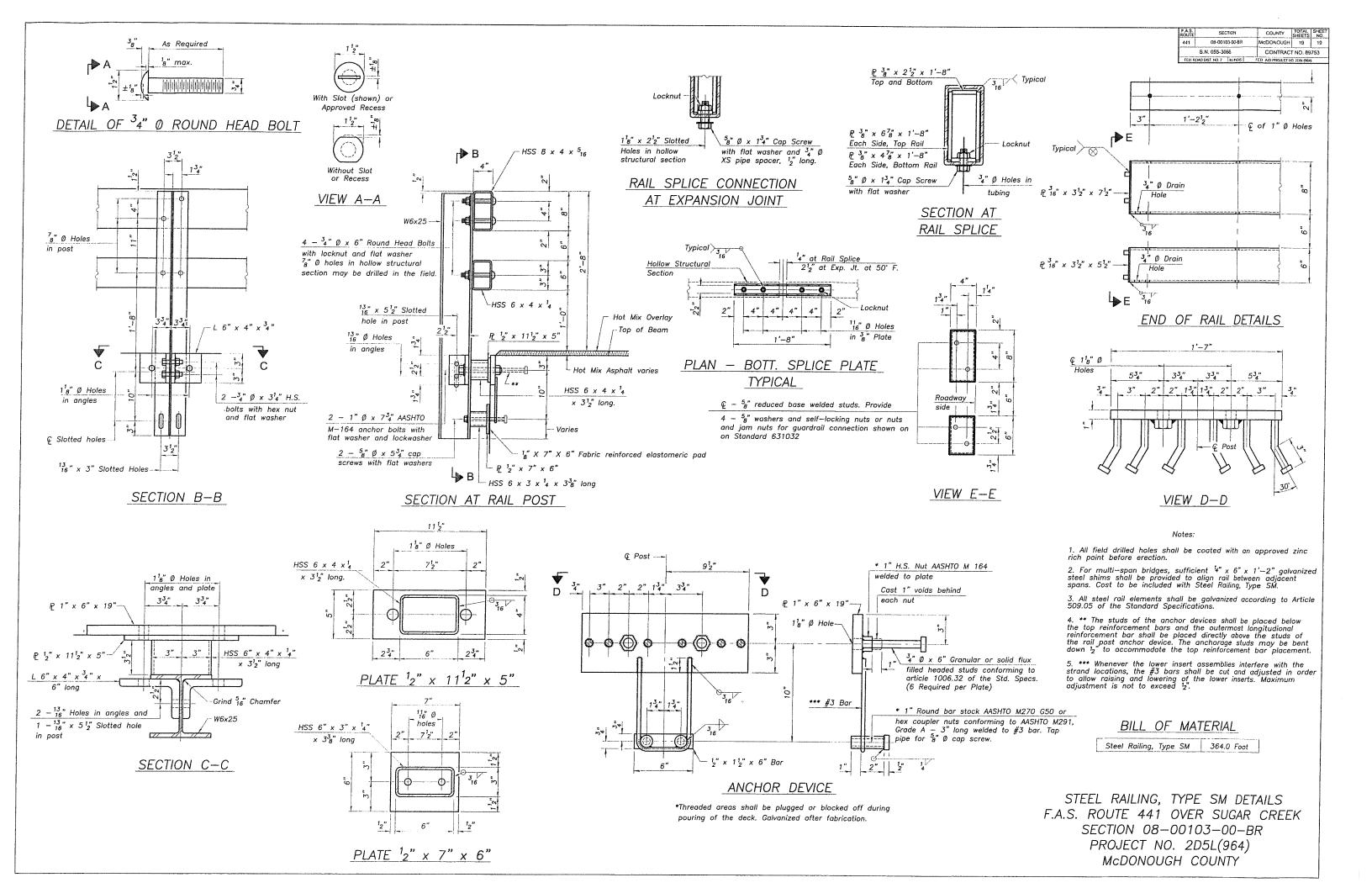


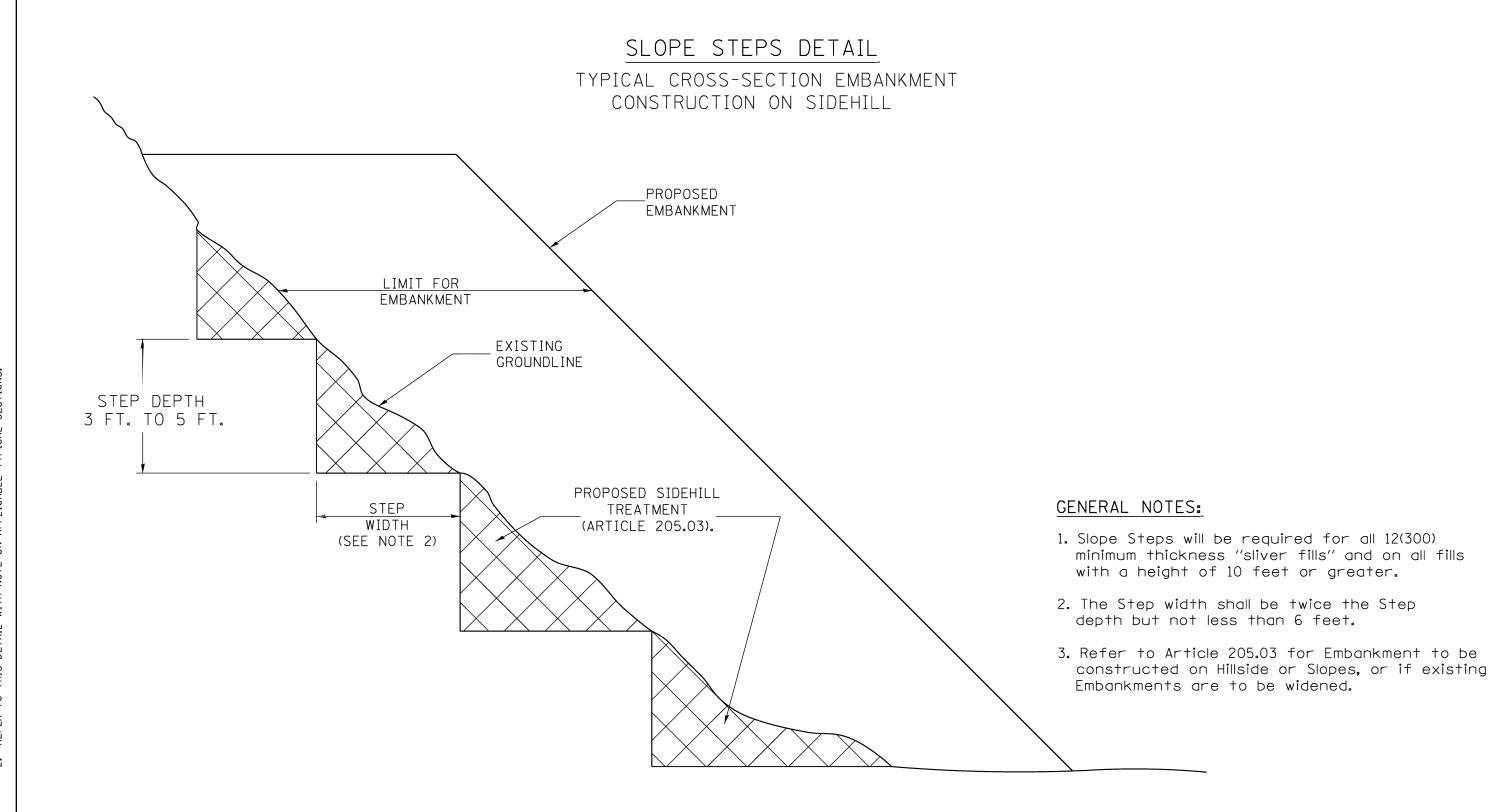












REPLACEMENT MATERIAL:



STANDARD EMBANKMENT (IN ACCORDANCE WITH 205 OF THE STANDARD SPECIFACATION).

> All dimensions are in inches (millimeters) unless otherwise noted.

1-1-97	RENUM. L-5.03, NEW REVISION BOX, REVISED TITLE T.P.				RTF. SECTION	COUNTY TOTAL SHEET SHEET NO.
	BOX, REVISED GENERAL NOTES.	STATE OF ILLINOIS	SLOPE STEPS DETAIL		441 08-00103-00-BR	McDonough 20 20
10-16-06	REVISED TO 2007 SPEC. M.A.	DEPARTMENT OF TRANSPORTATION			,	CONTRACT NO. 89753
5-30-18	MINOR CORRECTION R.D.		NOT TO SCALE	CADD STD. 205001-D4	FED. ROAD DIST. NO. ILLINOIS	FED. AID PROJECT