

76269

FAS ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
754	4RS-2, 4BR	CALHOUN	87	1
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

D-98-106-99

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

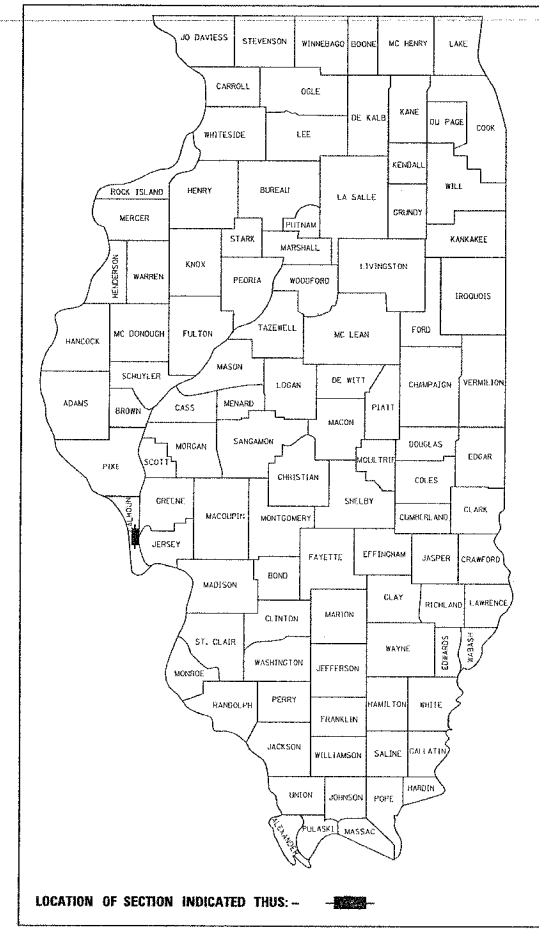
PROPOSED HIGHWAY PLANS

FAS ROUTE 754 (Park St.)
SECTION 4RS-2, 4BR

CALHOUN COUNTY
GRADE RAISE & BRIDGE REPLACEMENT
C-98-118-03

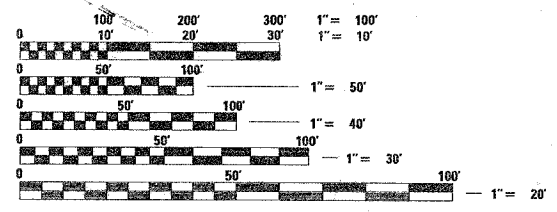
FOR INDEX OF SHEETS, SEE SHEET NO. 2

DESIGN DESIGNATION
6000 (22) MAJOR COLLECTOR 5.51(FD-20)



PROJECT ENGINEER: Patti LeBeau (618) 346-3179
SQUAD LEADER: Cheryl Keplar (618) 346-3186

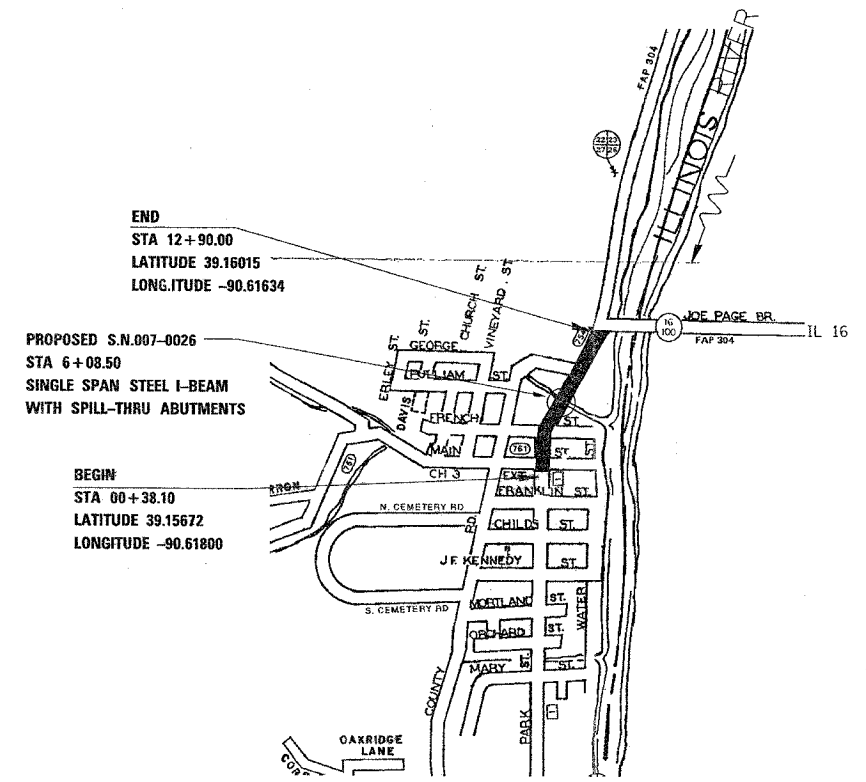
MICROFILMED _____
REEL NUMBER _____
AWARDED _____
RESIDENT ENGINEER _____
AS BUILT CHANGES WERE MADE
ON THE FOLLOWING SHEETS



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES, REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES, IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123

CONTRACT NO. 76269



LOCATION MAP
NOT TO SCALE

GROSS LENGTH = 1,252 FT (0.237 MI)
NET LENGTH = 1,252 FT (0.237 MI)



BY: *William J. Gleason*
DATE: August 22, 2005

BA
BENTON & ASSOCIATES, INC.
CONSULTING ENGINEERS / LAND SURVEYORS
1970 W. Lafayette Ave. Jacksonville IL 62650
217-245-4146

713 N. High St. Kirksville MO 63501
660-665-3575
www.bentonassociates.com

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED: Aug 31, 2005
Mary C. Lami
DEPUTY DIRECTOR OF HIGHWAYS
REGION FIVE ENGINEER

October 14, 2005
Mike Hine
ENGINEER OF DESIGN AND ENVIRONMENT

October 14, 2005
Eric E. Hampe
DEPUTY DIRECTOR, DIVISION OF HIGHWAYS

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OF THE STATE OF ILLINOIS

GENERAL NOTES

- WHERE SECTION OR SUB-SECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER AND AUTHORIZED SURVEYOR, OR AGENT HAS WITNESSED, OR OTHERWISE REFERENCED THEIR LOCATION.
- ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION, AS INDICATED BY THE SUB-NUMBER LISTED IN THE INDEX OF SHEETS, OR THE COPY OF THE STANDARD INCLUDED IN THESE PLANS.
- ALL ELEVATIONS SHOWN REFER TO THE U.S.G.S. DATUM AT MEAN SEA LEVEL, UNLESS OTHERWISE NOTED.
- UTILITIES ARE SHOWN IN ACCORDANCE WITH THE BEST AVAILABLE INFORMATION AND THEIR TRUE LOCATION IS NOT GUARANTEED AS SHOWN ON THE PLANS. IT WILL BE THE CONTRACTORS RESPONSIBILITY TO DETERMINE THE EXACT LOCATION OF ALL UTILITIES AND CARRY OUT CONSTRUCTION ACTIVITIES ACCORDINGLY.
- ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE BE GIVEN TO ALL UTILITIES BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY BE OBTAINED BY CONTACTING J.U.L.I.E. OR FOR NON-MEMBERS, THE UTILITY COMPANY DIRECTLY. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:

 - VILLAGE OF HARDIN (POTABLE WATER, SANITARY AND STORM SEWER) *
 - FRONTIER COMMUNICATIONS COMPANY (TELEPHONE) *
 - AMEREN - CIPS (NATURAL GAS AND ELECTRIC) *
 - MEDIACOM LLC CENTRAL (CABLE TV) *
- MEMBERS OF J.U.L.I.E. (800)892-0123 ARE INDICATED BY *, NON J.U.L.I.E. MEMBERS MUST BE NOTIFIED INDIVIDUALLY.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- CONFLICTS ON THE PLANS MAY OCCUR BETWEEN THE ROADWAY PLANS AND RIGHT-OF-WAY PLANS. THE RIGHT-OF-WAY PLANS SHALL TAKE PRECEDENCE IN CONFLICTS IN RIGHT-OF-WAY OR EASEMENTS. THE ROADWAY PLANS SHALL TAKE PRECEDENCE IN ITEMS FOR CONSTRUCTION.
- ALL EROSION CONTROL PRODUCTS FURNISHED SHALL BE SPECIFICALLY RECOMMENDED BY THE MANUFACTURER FOR THE USE SPECIFIED IN THE EROSION CONTROL PLAN. PRIOR TO THE APPROVAL AND USE OF THE PRODUCT, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER A NOTARIZED CERTIFICATE BY THE PRODUCER STATING THE INTENDED USE OF THE PRODUCT AND THAT THE PHYSICAL PROPERTIES REQUIRED FOR THIS APPLICATION ARE MET OR EXCEEDED. THE CONTRACTOR SHALL PROVIDE MANUFACTURERS RECOMMENDED INSTALLATION PROCEDURES TO FACILITATE THE ENGINEER IN CONSTRUCTION INSPECTION.
- ALL AREAS DISTURBED WITHIN THE CONSTRUCTION LIMITS AND DIRECTLY RELATED TO THE CONTRACT WORK SHALL BE SEEDED AS CLASS 1A SEEDING AS DIRECTED BY THE ENGINEER.
- IF ANY UNSUITABLE MATERIAL IS ENCOUNTERED DURING CONSTRUCTION, IT WILL BE NECESSARY TO REMOVE THE UNSUITABLE MATERIAL AND REPLACE IT WITH SUITABLE MATERIAL AS APPROVED BY THE ENGINEER.
- THE PROPOSED EMBANKMENT SHALL BE BENCHED INTO EXISTING SLOPES TO THE SATISFACTION OF THE ENGINEER.
- THE THICKNESS OF THE BITUMINOUS MIXTURE SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE BITUMINOUS MIXTURE IS PLACED.
- THE USE OF VIBRATORY ROLLERS SHALL BE PROHIBITED, UNLESS IT CAN BE DETERMINED THAT THE EXISTING/PROPOSED UTILITIES WILL NOT BE AFFECTED. THE ENGINEER WILL VERIFY, WITH THE OWNER OF SAID UTILITIES, THE DEPTH OF THE UTILITIES AND WHETHER OR NOT THEY WILL BE ADVERSELY AFFECTED. IF IT IS DETERMINED THAT THE UTILITIES WILL BE UNAFFECTED, VIBRATORY ROLLERS WILL BE USED ON THIS PROJECT.
- MANHOLES, SPECIAL AND INLETS, SPECIAL SHALL BE CONSTRUCTED WITH A PRE-CAST REINFORCED CONCRETE FLAT SLAB AS SHOWN BY STANDARD 602601.
- THE OFFSETS TO ALL INLETS AND MANHOLES ARE TO THE CENTER OF THE DRAINAGE STRUCTURE. A CONCENTRIC DRAINAGE STRUCTURE WAS USED TO CALCULATE THIS DISTANCE.
- REFER TO ARTICLE 107.20 & 107.25 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER FOR RELOCATION OF ALL MAILBOXES, EXISTING STREET SIGNS, AND ALL PRIVATE AND COMMERCIAL SIGNS.

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- PROTECTIVE COAT SHALL BE APPLIED TO ALL GUTTER FLAGS, FACE OF CURB AND MEDIAN SURFACE.
- THE FOLLOWING BITUMINOUS MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

SUPERPAVE BITUMINOUS MIXTURE REQUIREMENTS			
MIXTURE USES	BINDER	SURFACE	INCIDENTAL BIT.
AC/PG	PG 64-22	PG 64-22	PG 64-22
RAP % (MAX.)	15%	10%	15%
DESIGN AIR VOIDS	4.0% @ ND _{es} = 50	4.0% @ ND _{es} = 50	4.0% @ ND _{es} = 50
MIXTURE COMPOSITION (GRADATION MIXTURE)	IL 19.0	IL 9.5 OR 12.5	IL 9.5 OR 12.5
FRICTION AGGREGATE	N/A	MIX "C"	MIX "C"

- ALL TEMPORARY PAVEMENT MARKINGS WILL BE PLACED IN SUCH A MANNER SO AS NOT TO INTERFERE WITH THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
- ALL EXCAVATION ADJACENT TO THE EDGE OF THE PAVEMENT SHALL BE PROTECTED WITH EXTENDED LEG BARRICADES AND APPROPRIATE LIGHTS.
- "ROAD CONSTRUCTION AHEAD" SIGNS SHALL BE PLACED AT THE BEGINNING AND END OF THE PROJECT PLUS THE INTERSECTING SIDE ROADS, AND WILL BE INCLUDED IN THE TRAFFIC CONTROL PAY ITEMS. ALL CONSTRUCTION SIGNS SHALL BE FLUORESCENT ORANGE.
- THE TEMPORARY CONCRETE BARRIER UNIT AT EACH END SHALL BE ANCHORED TO THE PAVEMENT TO PREVENT OVERTURNING AND LATERAL DEFLECTIONS GREATER THAN THOSE OBTAINED DURING THE NCHRP 350 TESTS.
- THE APPROACH END(S) OF TEMPORARY BARRIER SHALL BE PROTECTED WITH IMPACT ATTENUATORS, TEMPORARY (FULLY RE-DIRECTIVE, NARROW), TEST LEVEL 2.
- TEMPORARY CONCRETE BARRIER SHALL BE ANCHORED TO THE PAVEMENT WHEN THE BARRIER IS LOCATED WITHIN 2 FEET OF THE TRAVELED LANE AND AT LOCATIONS WHERE A HAZARD EXISTS WITHIN 3.5 FEET OF THE BARRIER.

HIGHWAY STANDARDS

LIST OF STANDARDS (INCLUDED IN PROPOSAL)

- 000001-04 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 001001 AREAS OF REINFORCEMENT REBARS
- 280001-02 TEMPORARY EROSION CONTROL SYSTEMS
- 420001-06 PAVEMENT JOINTS
- 420401-05 BRIDGE APPROACH PAVEMENT
- 424001-04 SIDEWALK RAMPS ACCESSIBLE TO THE DISABLED
- 503001-02 CONCRETE PARAPET SLIP-FORMING OPTION
- 515001-02 NAME PLATE FOR BRIDGES
- 542301 PRECAST REINFORCED CONCRETE FLARED END SECTIONS
- 542401 METAL END SECTIONS FOR PIPE CULVERTS
- 602301 INLET - TYPE A
- 602306 INLET - TYPE B
- 602401 MANHOLE TYPE A
- 602601 PRECAST REINFORCED CONCRETE FLAT SLAB TOP
- 604006-02 FRAME AND GRATE TYPE 3
- 604036-01 GRATE TYPE 8
- 606001-02 CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
- 609001-02 BRIDGE APPROACH SHOULDER PAVEMENT DRAIN
- 630001-05 STEEL PLATE BEAM GUARDRAIL
- 631011-02 TRAFFIC BARRIER TERMINAL, TYPE 2
- 631031-05 TRAFFIC BARRIER TERMINAL, TYPE 6
- 631046-02 TRAFFIC BARRIER TERMINAL, TYPE 10
- 635006-02 REFLECTOR AND TERMINAL MARKER PLACEMENT
- 635011-01 REFLECTOR AND MOUNTING DETAILS
- 701001-01 OFF-ROAD OPERATIONS 4.5M MIN. AWAY
- 701006-02 OFF-ROAD OPERATIONS 4.5M TO PAVEMENT EDGE
- 701011-01 OFF-ROAD MOVING OPERATIONS
- 701301-02 LANE CLOSURE, SHORT TIME OPERATIONS
- 701306-01 LANE CLOSURE, SLOW MOVING OPERATIONS - DAY ONLY
- 701311-02 LANE CLOSURE, MOVING OPERATIONS - DAY ONLY
- 701321-08 LANE CLOSURE, BRIDGE REPAIR WITH BARRIER
- 701326-02 LANE CLOSURE, PAVEMENT WIDENING
- 702001-05 TRAFFIC CONTROL DEVICES
- 704001-02 TEMPORARY CONCRETE BARRIER
- 780001-01 TYPICAL PAVEMENT MARKINGS
- 813001-01 JUNCTION BOXES
- 886001 DETECTOR LOOP INSTALLATIONS
- ~~701001-02~~
- ~~601101~~

APPLICATION RATES

AGGREGATE (SURFACE, BASE, SHOULDERS)	2.05 TON / CU YD
BITUMINOUS MATERIALS (PRIME COAT)	0.00038 TON/SY (0.10 GAL/SY ON PAVMT.)
	0.001425 TON/SY (0.375 GAL/SY ON AGG.)
AGGREGATE (PRIME COAT)	0.002 TON/SY (4.0 LBS / SQ YD)
BITUMINOUS CONCRETE LEVELING BINDER	112 LBS / ln / SQ YD
BITUMINOUS CONCRETE SURFACE	112 LBS / ln / SQ YD
CALCIUM CHLORIDE	3 LBS / SQ YD

COMMITMENTS

- A MEETING SHALL BE SCHEDULED TWO WEEKS PRIOR TO LANE CLOSURE FOR STAGE I WITH THE CONTRACTOR, RESIDENT ENGINEER, COUNTY SHERIFF AND POLICE CHIEF OF HARDIN. THE COUNTY SHERIFF AND POLICE CHIEF OF HARDIN CAN BE REACHED AT (618)576-2417.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**INDEX, STANDARDS,
 AND GENERAL NOTES**
 FAS ROUTE 754
 SECTION 4RS-2, 4BR
 CALHOUN COUNTY
 DRAWN BY: WJS
 DATE: AUGUST, 2005
 CHECKED BY: LLQ

PLQT DATE: 8/29/2005

PLAN	DATE
NO.	
BY	
DATE	
BY	
DATE	
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DATE	
BY	
DATE	
BY	
DATE	

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
754	4RS-2, 4BR	CALHOUN	87	3

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	RURAL ROADWAY 100% STATE 1000	RURAL BRIDGE 100% STATE X071-2A	RURAL SIDEWALK 50% STATE 50% LOCAL SFTY - 1B	RURAL 100% STATE SFTY - 3N
CODE NO	ITEM	UNIT					
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	30	30			
20200100	EARTH EXCAVATION	CU YD	274	274			
20300100	CHANNEL EXCAVATION	CU YD	610	610			
20400800	FURNISHED EXCAVATION	CU YD	1288	1288			
20600200	GRANULAR EMBANKMENT, SPECIAL	CU YD	2699	2699			
20700400	POROUS GRANULAR EMBANKMENT (SPECIAL)	CU YD	150		150		
20800150	TRENCH BACKFILL	CU YD	85	85			
25000110	SEEDING, CLASS 1A	ACRE	0.4	0.4			
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	35	35			
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	35	35			
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	35	35			
25000700	AGRICULTURAL GROUND LIMESTONE	TON	0.8	0.8			
25100115	MULCH, METHOD 2	ACRE	0.4	0.4			
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	39.3	39.3			
28000300	TEMPORARY DITCH CHECKS	EACH	8	8			
28000400	PERIMETER EROSION BARRIER	FOOT	400	400			
28000500	INLET AND PIPE PROTECTION	EACH	8	8			
28100109	STONE RIPRAP, CLASS A5	SQ YD	795.3	37.3	758		
28200200	FILTER FABRIC	SQ YD	795.3	37.3	758		
28400100	GABIONS	CU YD	4		4		
35101400	AGGREGATE BASE COURSE, TYPE B	TON	413.8	413.8			
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	602	602			
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	8.7	8.7			
40600300	AGGREGATE (PRIME COAT)	TON	45.6	45.6			
40600895	CONSTRUCTING TEST STRIP	EACH	2	2			
40600990	TEMPORARY RAMP	SQ YD	729	729			
42001165	BRIDGE APPROACH PAVEMENT	SQ YD	227	227			
42001300	PROTECTIVE COAT	SQ YD	867	867			
42001430	BRIDGE APPROACH PAVEMENT CONNECTOR (FLEXIBLE)	SQ YD	45	45			
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	522	522			
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	3269	560		2709	
42400800	DETECTABLE WARNING	SQ FT	152	8		144	
44000007	BITUMINOUS SURFACE REMOVAL 2"	SQ YD	1020	1020			
44000100	PAVEMENT REMOVAL	SQ YD	1142	1142			
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	785	785			
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	34	34			

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F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
754	4RS-2, 4BR	CALHOUN	87	4

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	RURAL ROADWAY 100% STATE I000	RURAL BRIDGE 100% STATE X071-2A	RURAL SIDEWALK 50% STATE 50% LOCAL SFTY - 1B	RURAL 100% STATE SFTY - 3N
CODE NO	ITEM	UNIT					
44000600	SIDEWALK REMOVAL	SQ FT	560	560			
44004250	PAVED SHOULDER REMOVAL	SQ YD	144	144			
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1		1		
50102700	MASONRY REMOVAL	CU YD	2		2		
50104400	CONCRETE HEADWALL REMOVAL	EACH	2	2			
50104600	CONCRETE RETAINING WALL REMOVAL	FOOT	98	98			
50105220	PIPE CULVERT REMOVAL	FOOT	257	257			
50200100	STRUCTURE EXCAVATION	CU YD	300		300		
50300100	FLOOR DRAINS	EACH	10		10		
50300225	CONCRETE STRUCTURES	CU YD	35.2		35.2		
50300255	CONCRETE SUPERSTRUCTURE	CU YD	140.2		140.2		
50300260	BRIDGE DECK GROOVING	SQ YD	431		431		
50300300	PROTECTIVE COAT	SQ YD	2256	1820	436		
50500105	FURNISHING AND ERECTING STRUCTURAL STEEL	L SUM	1		1		
50500505	STUD SHEAR CONNECTORS	EACH	2373		2373		
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	29400		29400		
50900105	ALUMINUM RAILING, TYPE L	FOOT	75		75		
51000105	PIPE HANDRAIL	FOOT	24	24			
51201600	FURNISHING STEEL PILES HP12X53	FOOT	510		510		
51202700	DRIVING STEEL PILES	FOOT	510		510		
51203600	TEST PILE STEEL HP12X53	EACH	1		1		
51204600	METAL SHOES	EACH	11		11		
51205200	TEMPORARY SHEET PILING	SQ FT	3050		3050		
51500100	NAME PLATES	EACH	1		1		
54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	2	2			
54215547	METAL END SECTIONS 12"	EACH	6	6			
54248515	CONCRETE COLLAR	EACH	1	1			
542D0217	PIPE CULVERTS, CLASS D, TYPE 1 12"	FOOT	70	70			
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	130	130			
550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	FOOT	94	94			
550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	FOOT	97	97			
60100945	PIPE DRAINS 12"	FOOT	38	38			
60235700	INLETS, TYPE A, TYPE 3 FRAME AND GRATE	EACH	4	4			
60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	2	2			

PLOT DATE: 9/19/2005
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 REFERENCE: SHEET

Rev.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
754	4RS-2, 4BR	CALHOUN	87	5

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	RURAL ROADWAY 100% STATE 1000	RURAL BRIDGE 100% STATE X071-2A	RURAL SIDEWALK 50% STATE 50% LOCAL SFTY - 1B	RURAL 100% STATE SFTY - 3N
CODE NO	ITEM	UNIT					
60240220	INLETS, TYPE B, TYPE 3 FRAME AND GRATE	EACH	2	2			
60500060	REMOVING INLETS	EACH	1	1			
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6. 24	FOOT	2225	2225			
60900330	TYPE D INLET BOX, STANDARD 609001	EACH	2	2			
60900515	CONCRETE THRUST BLOCKS	EACH	2	2			
* 63000000	STEEL PLATE BEAM GUARD RAIL, TYPE A	FOOT	12.5	12.5			
* 63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	1	1			
* 63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	4	4			
* 63100167	TRAFFIC BARRIER TERMINAL TYPE 1, SPECIAL (TANGENT)	EACH	3	3			
63200310	GUARDRAIL REMOVAL	FOOT	139	139			
66300105	CALCIUM CHLORIDE APPLIED	TON	4	4			
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	170	170			
* 66900450	SPECIAL WASTE PLANS AND REPORT	L SUM	1	1			
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	2	2			
* 66901000	BACKFILL PLUGS	CU YD	5	5			
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	18	18			
67100100	MOBILIZATION	L SUM	1	1			
70100405	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321	EACH	1	1			
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1			
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1	1			
70101800	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L SUM	1	1			
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	200	200			
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	936	936			
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	6125	6125			
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	700	700			
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	90	90			
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	3074	3074			
70400100	TEMPORARY CONCRETE BARRIER	FOOT	630	630			
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	280	280			
* 72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	6	6			
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	4354	4354			

PLOT DATE = 8/19/2008
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CONTRACT NO. 76269				
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
754	4RS-2, 4BR	CALHOUN	87	6

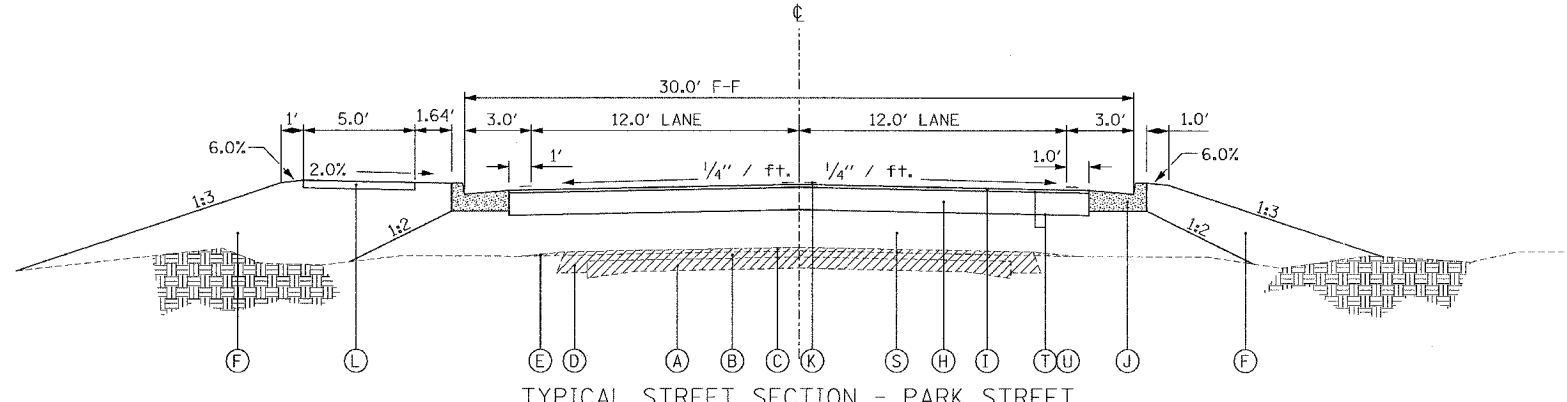
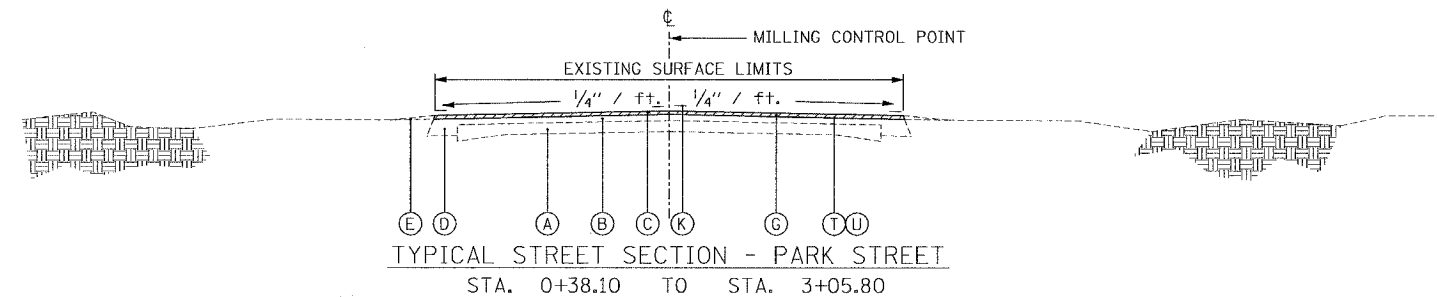
SUMMARY OF QUANTITIES			TOTAL QUANTITIES	RURAL ROADWAY 100% STATE 1000	RURAL BRIDGE 100% STATE X071-2A	RURAL SIDEWALK 50% STATE 50% LOCAL SFTY - 1B	RURAL 100% STATE SFTY - 3N
CODE NO	ITEM	UNIT					
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	239	239			
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	70	70			
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	140	140			
* 78008210	POLYUREA PAVEMENT MARKING TYPE I - LINE 4"	FOOT	572	572			
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	17	17			
* 78200410	GUARDRAIL MARKERS, TYPE A	EACH	8	8			
* 78200500	BARRIER WALL MARKERS	EACH	2	2			
* 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	3	3			
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	17	17			
78300500	PAINT PAVEMENT MARKING REMOVAL	SQ FT	548	548			
89000200	TEMPORARY TRAFFIC SIGNAL INSTALLATION	L SUM	1	1			
X0301828	ENGINEERED BARRIER	SQ YD	145	145			
* X0321905	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE, 12"	FOOT	22	22			
* X0321906	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE, 15"	FOOT	110	110			
X0322123	STAIR REMOVAL	L SUM	1	1			
* X0323954	STORM SEWERS, TYPE 2, WATER MAIN QUALITY PIPE, 18"	FOOT	60	60			
X4066414	BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", N50	TON	433	433			
X4066614	BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19.0, N50	TON	2000	2000			
XX004951	CONCRETE STAIRS	L SUM	1	1			
X0315153	MASONRY CLEANING AND TUCKPOINTING	SQ YD	53		53		
Z0000990	AGGREGATE FOR TEMPORARY ACCESS	TON	100	100			
Z0002600	BAR SPLICERS	EACH	333		333		
Z0030255	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2	EACH	4				4
Z0030320	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE), TEST LEVEL 2	EACH	2				2
Z0041500	PLUG EXISTING CULVERTS	EACH	1	1			
X0315152	STRUCTURAL INSPECTION	L SUM	1		1		
X0325154	MASONRY RECONSTRUCTION	SQ YD	2		2		
X7015000	CHANGEABLE MESSAGE SIGN	CAL MO	4	4			

PLOT DATE = 9/15/2005
 PLOT SCALE = 50/1000' / IN.
 REFERENCE * \$REF*

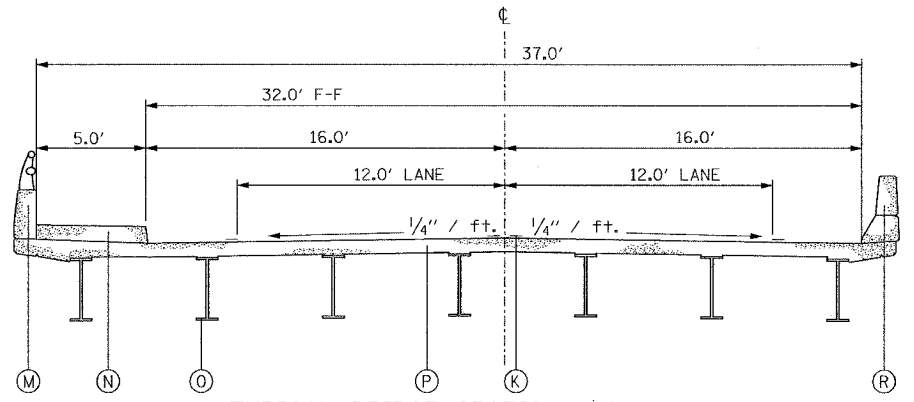
REV

FAS ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
754	4RS-2, 4BR	CALHOUN	87	7
STA. _____ TO STA. _____		EXISTING CONDITIONS:		
CONTRACT NO. 76269				

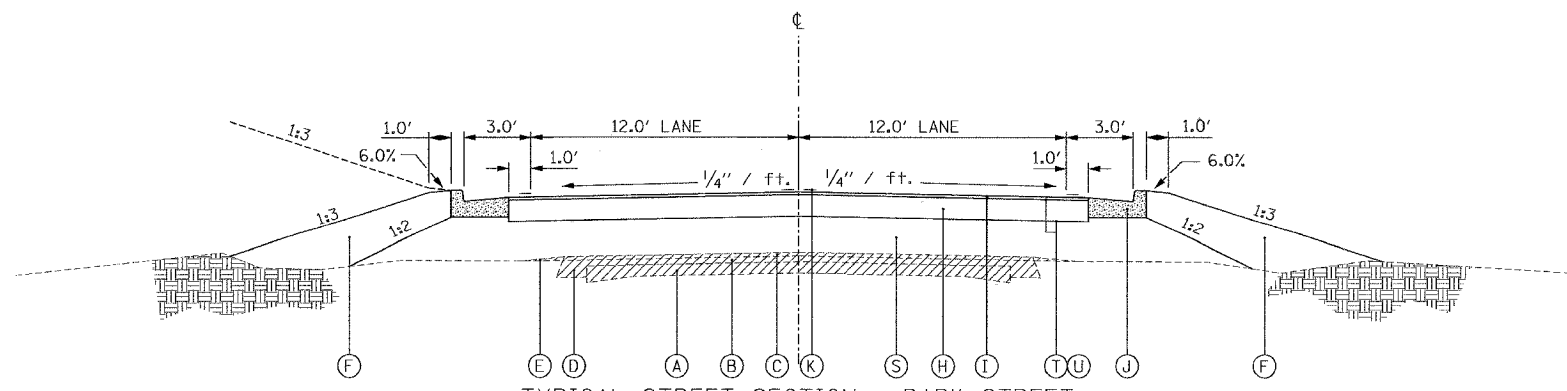
STRUCTURAL DESIGN TRAFFIC: YEAR 2012
 PV = 5139 SU = 191 MU = 120
 ROAD/STREET CLASSIFICATION: CLASS II
 PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:
 P = 50% S = 50% M = 50%
 TRAFFIC FACTOR: Actual TF = 0.68 AC Type = 20
 Minimum TF = 3.81
 PG GRADE: Binder = 64-22 Surface = 64-22
 SUBGRADE SUPPORT RATING:
 SSR = Poor (Sta. 3+05 TO 12+90)



STA. 3+20.0 TO STA. 8+70.0 (SIDEWALK LEFT) STA. 3+05.80 TO STA. 12+13.27
 STA. 8+70.0 TO STA. 12+13.3 (SIDEWALK RIGHT)



TYPICAL BRIDGE SECTION - PARK STREET
 STA. 5+37.00 TO STA. 6+80.00



TYPICAL STREET SECTION - PARK STREET
 STA. 12+13.27 TO STA. 12+90.00

BRIDGE REPLACEMENT
 CENTERLINE STATIONING
 STA. 5+37.00 TO STA. 6+80.00

- A. EXISTING PCC PAVEMENT (9-6-9)
- B. EXISTING BITUMINOUS OVERLAY, 3/4"
- C. EXISTING BITUMINOUS OVERLAY, 2" (2" TO BE MILLED FROM STA. 0+38.1 TO STA. 3+05.8)
- D. EXISTING BITUMINOUS SHOULDER, 7 1/2"
- E. EXISTING AGGREGATE SHOULDERS, TYPE B
- F. PROPOSED EARTH EMBANKMENT, VARIES
- G. PROPOSED BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", N50, 2" & VARIES
- H. PROPOSED BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19.0, N50, 1 1/2"
- I. PROPOSED BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", N50, 2"
- J. PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- K. PROPOSED THERMOPLASTIC PAVEMENT MARKING LINE
 POLYUREA PAVEMENT MARKING LINE (BRIDGE DECK AND CONC. APPROACH)
- L. PROPOSED PORTLAND CEMENT CONCRETE SIDEWALK, 4"
- M. PROPOSED REINFORCED CONCRETE PARAPET AND HANDRAIL
- N. PROPOSED PORTLAND CEMENT CONCRETE SIDEWALK, (ON STRUCTURE ONLY)
- O. PROPOSED WIDE FLANGE BEAMS
- P. PROPOSED REINFORCED CONCRETE BRIDGE DECK
- R. PROPOSED REINFORCED CONCRETE PARAPET
- S. PROPOSED GRANULAR EMBANKMENT, VARIES
- T. PROPOSED BITUMINOUS MATERIALS (PRIME COAT)
- U. PROPOSED AGGREGATE (PRIME COAT)

EXISTING PAVEMENT STRUCTURE TO BE REMOVED WHEN EARTH EMBANKMENT DEPTH LESS THAN 3 INCHES.
 EXISTING PAVEMENT STRUCTURE SHALL BE BROKEN INTO PIECES NOT TO EXCEED 3 SQ FT. IN SURFACE AREA. WHEN THE EARTH EMBANKMENT IS GREATER THAN 3 INCHES AND LESS THAN 3 FT.

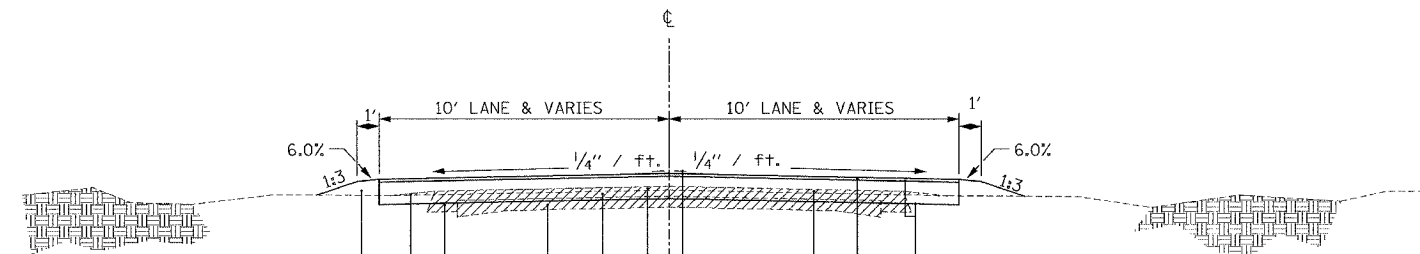
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 TYPICAL SECTIONS
 FAS 754 (PARK ST.)
 FAS ROUTE 754
 SECTION 4RS-2, 4BR
 CALHOUN COUNTY
 DRAWN BY: WJS
 CHECKED BY: MKC
 DATE: MAY, 2003

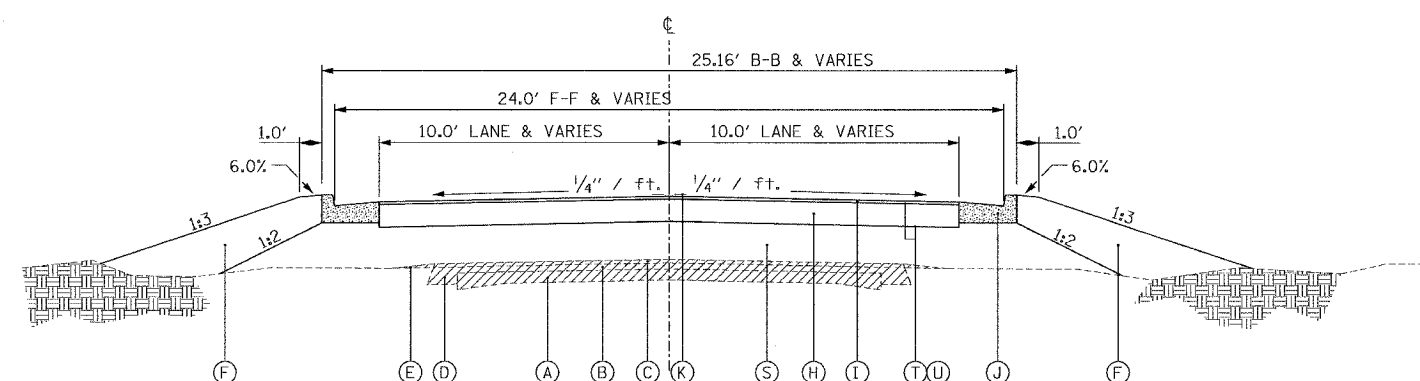
FIG. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
754	4RS-2, 4BR	CALHOUN	87	8

STA. TO STA.

EXISTING CONDITIONS:
CONTRACT NO. 76269



TYPICAL STREET SECTION - NORTH COUNTY ROAD
STA. 18+20.00 TO STA. 18+45.00
(TRANSITION SECTION)



TYPICAL STREET SECTION - NORTH COUNTY ROAD
STA. 18+45.00 TO STA. 19+60.00

- A. EXISTING PCC PAVEMENT (9-6-9)
- B. EXISTING BITUMINOUS OVERLAY, 3/4"
- C. EXISTING BITUMINOUS OVERLAY, 2" (2" TO BE MILLED FROM STA. 0+38.1 TO STA. 3+05.8)
- D. EXISTING BITUMINOUS SHOULDER, 7 1/2"
- E. EXISTING AGGREGATE SHOULDERS, TYPE B
- F. PROPOSED EARTH EMBANKMENT, VARIES
- G. PROPOSED BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", N50, 2" & VARIES
- H. PROPOSED BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19.0, N50, 1 1/2"
- I. PROPOSED BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", N50, 2"
- J. PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- K. PROPOSED THERMOPLASTIC PAVEMENT MARKING LINE
POLYUREA PAVEMENT MARKING LINE (BRIDGE DECK AND CONC. APPROACH)
- L. PROPOSED PORTLAND CEMENT CONCRETE SIDEWALK, 4"
- M. PROPOSED REINFORCED CONCRETE PARAPET AND HANDRAIL
- N. PROPOSED PORTLAND CEMENT CONCRETE SIDEWALK, (ON STRUCTURE ONLY)
- O. PROPOSED WIDE FLANGE BEAMS
- P. PROPOSED REINFORCED CONCRETE BRIDGE DECK
- R. PROPOSED REINFORCED CONCRETE PARAPET
- S. PROPOSED GRANULAR EMBANKMENT, VARIES
- T. PROPOSED BITUMINOUS MATERIALS (PRIME COAT)
- U. PROPOSED AGGREGATE (PRIME COAT)

EXISTING PAVEMENT STRUCTURE TO BE REMOVED WHEN EARTH EMBANKMENT DEPTH LESS THAN 3 INCHES.
EXISTING PAVEMENT STRUCTURE SHALL BE BROKEN INTO PIECES NOT TO EXCEED 3 SQ FT. IN SURFACE AREA. WHEN THE EARTH EMBANKMENT IS GREATER THAN 3 INCHES AND LESS THAN 3 FT.

STRUCTURAL DESIGN TRAFFIC: YEAR 2012
 PV = 5139 SU = 191 MU = 120
 ROAD/STREET CLASSIFICATION: CLASS II
 PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:
 P = 50% S = 50% M = 50%
 TRAFFIC FACTOR: Actual TF = 0.68 AC Type = 20
 Minimum TF = 3.81
 PG GRADE: Binder = 64-22 Surface = 64-22
 SUBGRADE SUPPORT RATING:
 SSR = Poor (Sta. 3+05 TO 12+90)

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 TYPICAL SECTIONS
 NORTH COUNTY ROAD
 FAS ROUTE 754
 SECTION 4RS-2, 4BR
 CALHOUN COUNTY
 DRAWN BY: WJS
 CHECKED BY: MKC
 DATE: MAY, 2003

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
754	4RS-2, 4BR	CALHOUN	87	9
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CONTRACT NO. 76269

EARTHWORK SCHEDULE	EARTH EXCAVATION	EARTH EXCAVATION ADJ. FOR SHRINKAGE	EMBANKMENT	EARTHWORK BALANCE	GRANULAR EMBANKMENT (SPECIAL)
STATION to STATION	CU YD	CU YD	CU YD	CU YD	CU YD
03+05.8 05+67.0	30.7	23.0	242.7	-219.7	399.3
06+50.0 12+90.0	72.0	54.0	1133.2	-1079.2	1,829.6
06+68.13 RT CE	67.0	50.2		50.2	
NE QUAD - PARK ST & N. COUNTY RD.	25.0	18.8		18.8	
18.20 19+80.0	12.2	9.1	117.1	-108.0	106.7
PRE-STAGE I CONST.	60.0	45.0		45.0	
STAGE I CONST.	7.1	5.3		5.3	363.6
TOTAL	274.0	205.4	1,493.0	-1,287.6	2,699.2

FURNISHED EXCAVATION = EARTH EXCAVATION ADJ. FOR SHRINKAGE - EMBANKMENT = 1,288 CY

PRE-STAGE I CONSTRUCTION SCHEDULE	PAVED SHOULDER REMOVAL	AGGREGATE BASE COURSE TYPE B, 8"	BITUMINOUS CONCRETE BINDER COURSE SUPERPAVE, IL-19.0 N50, 4" DEPTH
STATION to STATION	SQ YD	TON	TON
4+00.0 5+97.5 RT EDGE	43.9	111.7	24.2
6+19.7 8+84.0 RT EDGE	58.7	203.1	45.5
7+58.1 8+84.0 LT EDGE	28.0	64.5	14.4
3+99.0 TEMP. ENTRANCE			13.5
9+16.0 TEMP. ENTRANCE			10.0
TEMP. ENTRANCE FRENCH ST.			4.6
TOTAL	130.6	379.3	112.2

STAGE I CONSTRUCTION SCHEDULE	PAVED SHOULDER REMOVAL	AGGREGATE BASE COURSE TYPE B, 8"	BITUMINOUS CONCRETE BINDER COURSE SUPERPAVE, IL-19.0 N50, 4" DEPTH	PAVEMENT REMOVAL	TEMPORARY SHEET PILING	IMPACT ATTENUATORS, TEMPORARY	TEMPORARY CONCRETE BARRIER	PAINT PAVEMENT MARKING REMOVAL	TEMPORARY PAVEMENT MARKING - LINE 4"	TEMPORARY PAVEMENT MARKING - LINE 6"	TEMPORARY PAVEMENT MARKING - LINE 12"
STATION to STATION	SQ YD	TON	TON	SQ YD	SQ FT	EACH	FOOT	SQ FT	FOOT	FOOT	FOOT
2+50.0 4+70.0 CTR								147.0			
4+00.0 6+20.0 RT									220.0		
4+00.0 8+84.0 RT								161.3			
4+26.0 4+85.0 LT	13.1	34.5	7.7						59.0		
4+85.0 CTR						1					
4+85.0 5+67.0 LT			28.6								
4+85.0 5+97.5 CTR				13.0	1466.4						
4+85.0 7+58.1 CTR							273.1			273.1	
6+19.7 7+58.1 CTR				16.0	1582.4						
6+19.7 8+94.0 RT							274.3			153.3	
6+50.0 7+58.1 LT			37.7								
7+58.1 CTR						1					
7+58.1 8+84.0 LT									126.0		
7+73.0 8+84.0 RT									111.0		
7+73.0 9+65.0 CTR								128.0			
8+38.0 8+84.0 CTR									46.0		
7 STOP BARS											90.0
TOTAL	13.1	34.5	74.0	29.0	3048.8	2	547.4	436.3	562.0	426.4	90.0

STAGE II CONSTRUCTION SCHEDULE	IMPACT ATTENUATORS, RELOCATE	RELOCATE TEMPORARY CONCRETE BARRIER	PAINT PAVEMENT MARKING REMOVAL	TEMPORARY PAVEMENT MARKING - LINE 4"	TEMPORARY PAVEMENT MARKING - LINE 6"
STATION to STATION	EACH	FOOT	SQ FT	FOOT	FOOT
3+70.0 4+85.0 LT			32.0		
4+00.0 4+85.0 RT				85.0	
4+25.0 8+38.2 LT				413.2	
4+25.0 4+70.0 LT SIDE STAGE I			15.0		
4+85.0 CTR	1				
4+85.0 7+58.1 CTR		273.1			273.1
7+58.1 CTR	1				
7+58.1 8+84.0 LT			42.0		
7+58.1 8+38.1 RT				80.0	
7+73.0 8+38.1 LT SIDE STAGE I			22.0		
TOTAL	2	273.1	111.0	578.2	273.1

STAGE III CONSTRUCTION SCHEDULE	PAVEMENT REMOVAL
STATION to STATION	SQ YD
4+85.0 5+67.0 LT	145.8
6+50.0 7+58.1 LT	192.2
TOTAL	338.0

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SCHEDULE OF QUANTITIES
 F.A.S. ROUTE 754 (IL 100/Park St.)
 SECTION 4RS-2, 4BR
 CALHOUN COUNTY
 DRAWN BY DBH
 DATE MAY, 2004 CHECKED BY LLQ

F.A.E. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
754	4RS-2, 4BR	CALHOUN	87	10
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CONTRACT NO. 76269

BITUMINOUS PAVING SCHEDULE		BITUMINOUS MATERIALS, (PRIME COAT)	AGGREGATE (PRIME COAT)	BITUMINOUS CONCRETE BINDER COURSE SUPERPAVE, IL-19.0 N50, 1 1/2" DEPTH	BITUMINOUS CONCRETE SURFACE COURSE SUPERPAVE, MIX "C" N50, 2" - 2 1/4" DEPTH
STATION to	STATION	TON	TON	TON	TON
0+38.1	3+05.8	1.814	9.550		118.6
3+05.8	5+31.0	1.966	10.347	419.0	75.9
6+86.0	12+90.0	3.850	20.267	1140.4	187.2
18+20.0	19+60.0		5.459	254.1	50.9
TOTAL		8.700	45.600	1,813.5	433

APPROACH PAVEMENT DRAIN SCHEDULE		CONCRETE THRUST	PIPE DRAINS 12"	METAL END SECTIONS	TYPE D INLET BOX STANDARD 609001 EACH
STATION	SIDE	EACH	FOOT	EACH	EACH
5+63	RT.	1	15	1	1
5+71	LT.	1	23	1	1
TOTAL		2	38	2	2

SIDEWALK SCHEDULE			PCC SIDEWALK 4 INCH	SIDEWALK REMOVAL
STATION TO	STATION	SIDE	SQ FT	SQ FT
2+75		LT.	24	24
3+09	3+53	LT.	250	19
3+16		RT.	11.8	
4+11	4+32	LT.	80	
4+57	4+95	LT.	160	
5+19	5+72	LT.	250	
6+56	7+62	LT.	525	
7+98	8+16	LT.	70	
8+70	9+08	RT.	194	
9+33	10+08	RT.	345	
10+18	11+04	RT.		258
10+33	11+10	RT.	465	
11+22	11+72	RT.	225	
11+24	11+60	RT.		108
11+84	12+33	RT.	142	
11+93	12+13	RT.		
19+10	19+66	RT.	375	60.9
8+70.30		RT.	20	
9+81.10		RT.	50	
10+83.60		RT.	50	48
11+45.80		RT.	45	42
TOTAL			3,269	560

DETECTABLE WARNING SCHEDULE		DETECTABLE WARNING
STATION	SIDE	SQ FT
2+75	LT.	8
3+09	LT.	8
3+16	RT.	8
3+53	LT.	8
4+11	LT.	8
4+32	LT.	8
4+57	LT.	8
4+95	LT.	8
5+19	LT.	8
7+62	LT.	8
7+98	LT.	8
8+16	LT.	8
8+54	LT.	8
8+63	LT.	8
8+78	RT.	8
9+08	RT.	8
9+33	RT.	8
10+08	RT.	8
10+33	RT.	8
TOTAL		152

CURB & GUTTER SCHEDULE			COMBINATION CURB & GUTTER REMOVAL	COMBINATION CURB & GUTTER TYPE B-6.24	COMMENTS
STATION to	STATION	SIDE	FOOT	FOOT	
3+04	3+23	LT.		28	RETURN
3+06		LT.	26		
3+06		RT.	8		
3+14	3+36	RT.		40	RETURN
3+23	5+41	LT.		214	
3+36	5+33	RT.		203	
6+75	12+90	RT.		610	
6+85	8+50	LT.		170	
9+43	12+90	LT.		347	
18+45	19+30	LT.		85	N. COUNTY ROAD
18+45	19+35	RT.		90	N. COUNTY ROAD
19+30	19+95	LT.		72	N. COUNTY ROAD (RETURN)
19+35	19+65	RT.		61	N. COUNTY ROAD (RETURN)
TOTAL			34	1,920	

TEMPORARY RAMP SCHEDULE			TEMPORARY RAMP
STATION TO	STATION	SIDE	SQ YD
3+05.8	3+37.5	RAMP 1	119.0
5+05.3	5+37.0	RAMP 1	91.6
6+80.0	7+11.7	RAMP 1	91.6
12+58.3	12+90.0	RAMP 1	91.6
3+05.8	3+24.1	RAMP 2	79.0
5+18.0	5+37.0	RAMP 2	53.2
6+80.0	6+98.4	RAMP 2	53.2
12+71.6	12+90.0	RAMP 2	53.2
3+05.8	3+12.5	RAMP 3	38.4
5+30.3	5+37.0	RAMP 3	19.4
6+80.0	6+86.7	RAMP 3	19.4
12+83.3	12+90.0	RAMP 3	19.4
TOTAL			729.0

ENTRANCE SCHEDULE				DRIVEWAY PAVEMENT REMOVAL	AGGREGATE SURFACE COURSE 6" DEPTH	PCC DRIVEWAY PAVEMENT 6" DEPTH	COMBINATION CURB & GUTTER TYPE B-6.24
STATION	TYPE	SIDE	MATL.	SQ YD	TON	SQ YD	FOOT
3+63	CE	RT.	CONC.			42.7	20.0
3+82	PARKING AREA	LT.	CONC.			101.6	24.0
4+54	CE	LT.	CONC.	105		105	26.0
5+07	CE	LT.	CONC.	74.4		74.4	24.0
7+40	CE	RT.	CONC. BIT.	67.8	20.0	8.9	17.0
7+80	CE	LT.	CONC. BIT.		10.9	50.8	40.0
8+34	CE	LT.	CONC. BIT.		11.2		38.0
9+14	CE	RT.	CONC. AGG.		43.5	48.4	26.0
10+14	CE	RT.	CONC. AGG.		28.3	25.0	26.0
11+16	PE	RT.	CONC. AGG.		1.3	25.0	24.0
11+78	PE	RT.	CONC.			15.2	22.0
19+41	PE	LT.	CONC. AGG.		23.6	15.2	18.0
8+34.30	PARKING AREA	LT.	CONC. AGG.		86.7	9.4	
9+13.54	PARKING AREA	RT.	CONC. AGG.		266.6		
10+13.87	PARKING AREA	RT.	CONC. AGG.		107.1		
TOTAL				247.2	601.7	522	305.0

CONCRETE STAIR SCHEDULE		CONCRETE	REINFORCEMENT BARS	PIPE HANDRAIL
STATION to	STATION	CU YD	POUND	FOOT
8+72	RT.	0.62	33	12
9+83.1	RT.	0.53	30	12
10+83.6	RT.	0.26	15	
11+45.8	RT.	0.17	12	
TOTAL		1.58*	90*	24

* SHOWN FOR INFORMATION ONLY, ALL LOCATIONS PAID FOR AS "CONCRETE STAIRS", 1 LUMP SUM

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SCHEDULE OF QUANTITIES
 F.A.S. ROUTE 754 (IL 100/Park St.)
 SECTION 4RS-2, 4BR
 CALHOUN COUNTY
 DRAWN BY WJS
 DATE MAY, 2004
 CHECKED BY LLO

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
754	4RS-2, 4BR	CALHOUN	87	11
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CONTRACT NO. 76269

GUARDRAIL SCHEDULE			TRAFFIC BARRIER TERMINAL, TYPE 2 EACH	TRAFFIC BARRIER TERMINAL, TYPE 6 EACH	TRAFFIC BARRIER TERMINAL, TYPE 1, SPECIAL (TANGENT) EACH	STEEL PLATE BEAM GUARDRAIL TYPE A FOOT	TERMINAL MARKER DIRECTLY APPLIED FOOT	GUARDRAIL REMOVAL FOOT	BARRIER WALL MARKERS EACH	GUARDRAIL MARKERS, TYPE A EACH
STATION	to STATION	SIDE								
4+82	5+32	RT.			1		1			1
5+21	5+40	LT.	1 (10' R)			12.5				1
5+32	5+63	RT.		1						1
5+40	5+71	LT.		1						1
5+44	5+98	RT.						50.8		
5+45	5+98	LT.						50.3		
6+20	6+58	LT.						38		
6+46	6+77	RT.		1						1
6+55	6+86	LT.		1						1
6+77	7+27	RT.			1		1			1
6+86	7+36	LT.			1		1			1
PARAPET		RT.							1	
PARAPET		LT.							1	
TOTAL			1	4	3	12.5	3	139.1	2	8

MISCELLANEOUS REMOVAL SCHEDULE			BITUMINOUS SURFACE REMOVAL, 2" SQ YD	PIPE CULVERT REMOVAL FOOT	PLUG EXISTING CULVERTS EACH	TREE REMOVAL UNIT	CONCRETE RETAINING WALL REMOVAL FOOT	DRIVEWAY PAVEMENT REMOVAL SQ YD	PAVEMENT REMOVAL SQ YD	CONCRETE HEADWALL REMOVAL EACH	REMOVING INLETS EACH
STATION	to STATION	SIDE									
0+38.1	3+05.8	LT. & RT.	963								
3+05.8	4+10	LT. & RT.							327.6		
3+10	4+91	RT.						267.4			
3+10	4+32	LT.						270.7			
6+27		13' RT. TO 33' RT.					36				
6+31	7+36	LT.		105							
7+13		29' RT. TO 65' RT.		20							1
7+57	7+98	LT.		41	1						
8+11	8+61	LT.		50						2	
8+83	9+24	LT.		41		30					
9+76		RT.					62				
11+36.4	11+97.7	LT.									
11+70	12+90	LT. & RT.							263.0		
18+20	18+45	LT. & RT.	57								
18+45	19+20	LT. & RT.							157.6		
TOTAL			1020	257	1	30	98	538.1	748.2	2	1

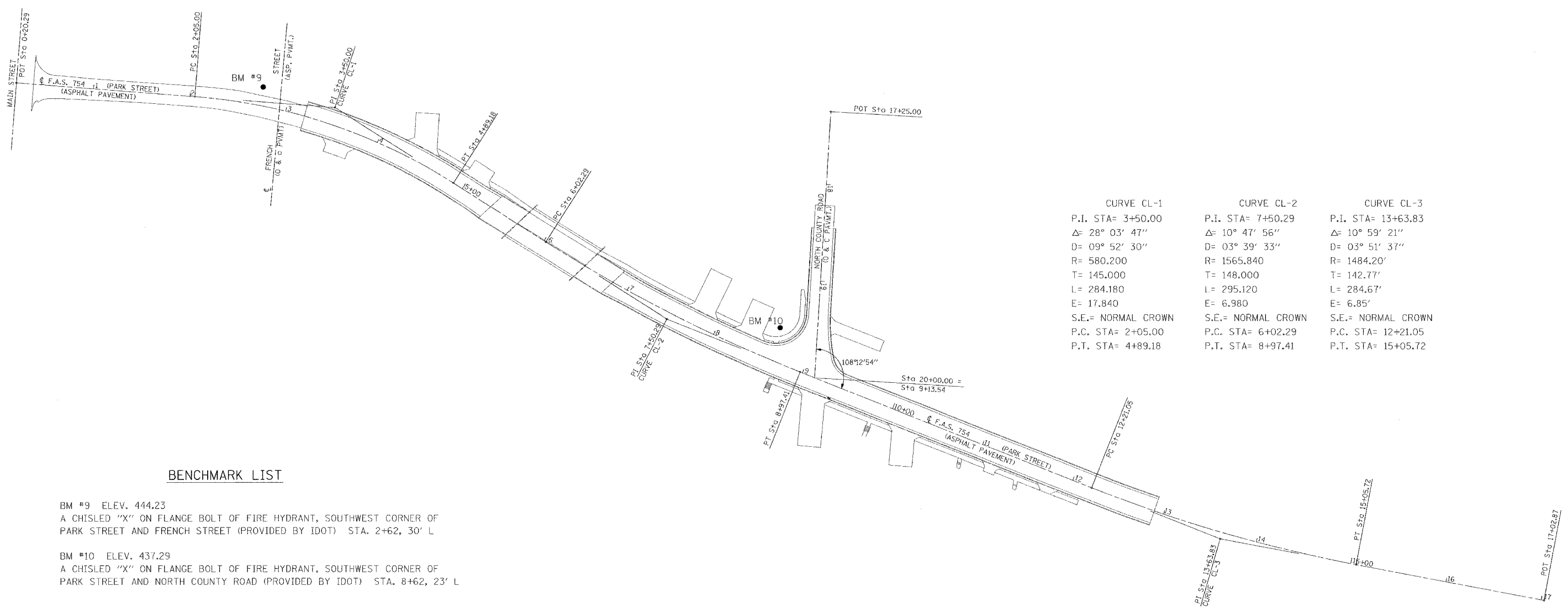
ADJUSTMENT SCHEDULE		RELOCATE SIGN PANEL ASSEMBLY TYPE A EACH
STATION		
8+81	28' LT	1
8+82	21' LT	1
9+23	15' RT	1
10+20	13' RT	1
10+86	20' LT	1
11+99	13' LT	1
TOTAL		6

PAVEMENT MARKING SCHEDULE				THERMOPLASTIC PAVEMENT MARKING - LINE 4" FOOT	THERMOPLASTIC PAVEMENT MARKING - LINE 12" FOOT	THERMOPLASTIC PAVEMENT MARKING - LINE 24" FOOT	PAINT PAVEMENT MARKING - LINE 4" FOOT	POLYUREA PAVEMENT MARKING TYPE I - LINE 4" FOOT	RAISED REFLECTIVE PAVEMENT MARKERS EACH
STATION	TO STATION	SIDE							
0+53	2+66	LT		213					
0+38.10	2+66	CTR		455.8					4
0+53	2+66	RT		213					
3+22.5	5+39	LT		216.5					
3+22.5	5+37	CTR		429					
3+35.7	5+35	RT		199.3					4
5+39	6+82	LT						143	
5+37	6+80	CTR						286	
5+35	6+78	RT						143	
6+82	8+50	LT		168					
6+80	8+68	CTR		376					
6+78	12+90	RT		612					3
9+43	12+90	RT		347					
8+47	12+90	CTR		832					
18+20	19+66	NO. CO. RD.							6
CROSSWALKS				292					
PARK ST & FRENCH ST					166				
PARK ST & NO. CO. RD.					73				
STOP BARS									
PARK ST. & FRENCH ST.						48			
PARK ST. & NO. CO. RD.						22			
PARKING SPACES ALONG PARK ST.							140		
TOTAL				4353.6	239	70	140	572	17

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SCHEDULE OF QUANTITIES
 F.A.S. ROUTE 754 (IL 100/Park St.)
 SECTION 4RS-2, 4BR
 CALHOUN COUNTY
 DRAWN BY WJS
 CHECKED BY LLO
 DATE MAY, 2004

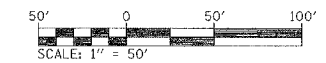
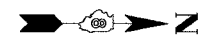
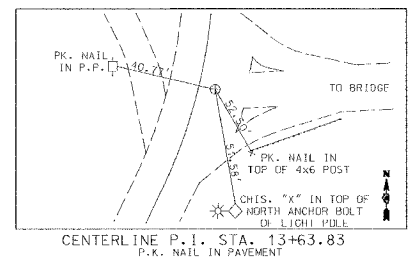
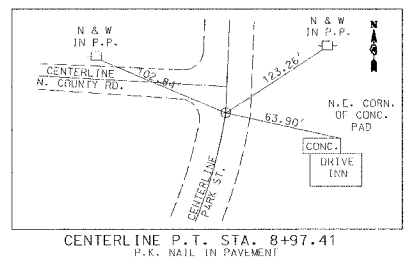
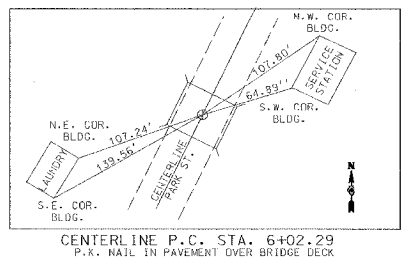
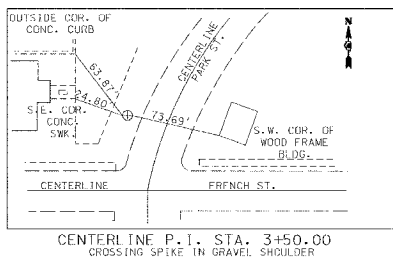
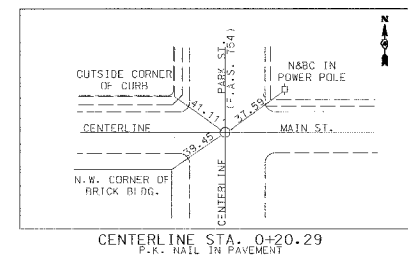
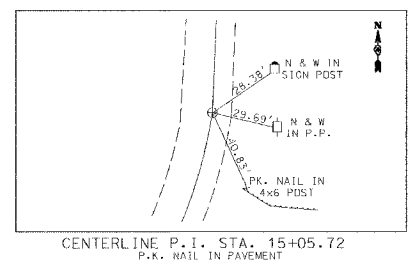
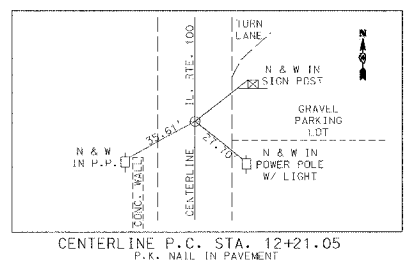
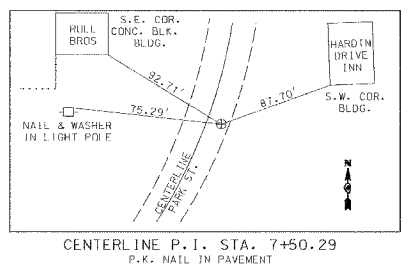
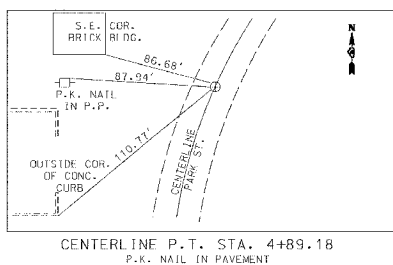
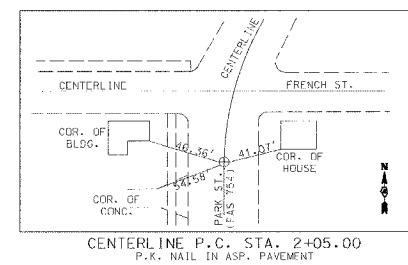
FAS ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
754	4RS-2, 4BR	CALHOUN	87	13
STA.	TO STA.			
EXISTING CONDITIONS:				
CONTRACT NO. 76269				



BENCHMARK LIST

BM #9 ELEV. 444.23
 A CHISLED "X" ON FLANGE BOLT OF FIRE HYDRANT, SOUTHWEST CORNER OF PARK STREET AND FRENCH STREET (PROVIDED BY IDOT) STA. 2+62, 30' L

BM #10 ELEV. 437.29
 A CHISLED "X" ON FLANGE BOLT OF FIRE HYDRANT, SOUTHWEST CORNER OF PARK STREET AND NORTH COUNTY ROAD (PROVIDED BY IDOT) STA. 8+62, 23' L



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 ALIGNMENTS, TIES, & BENCHMARKS

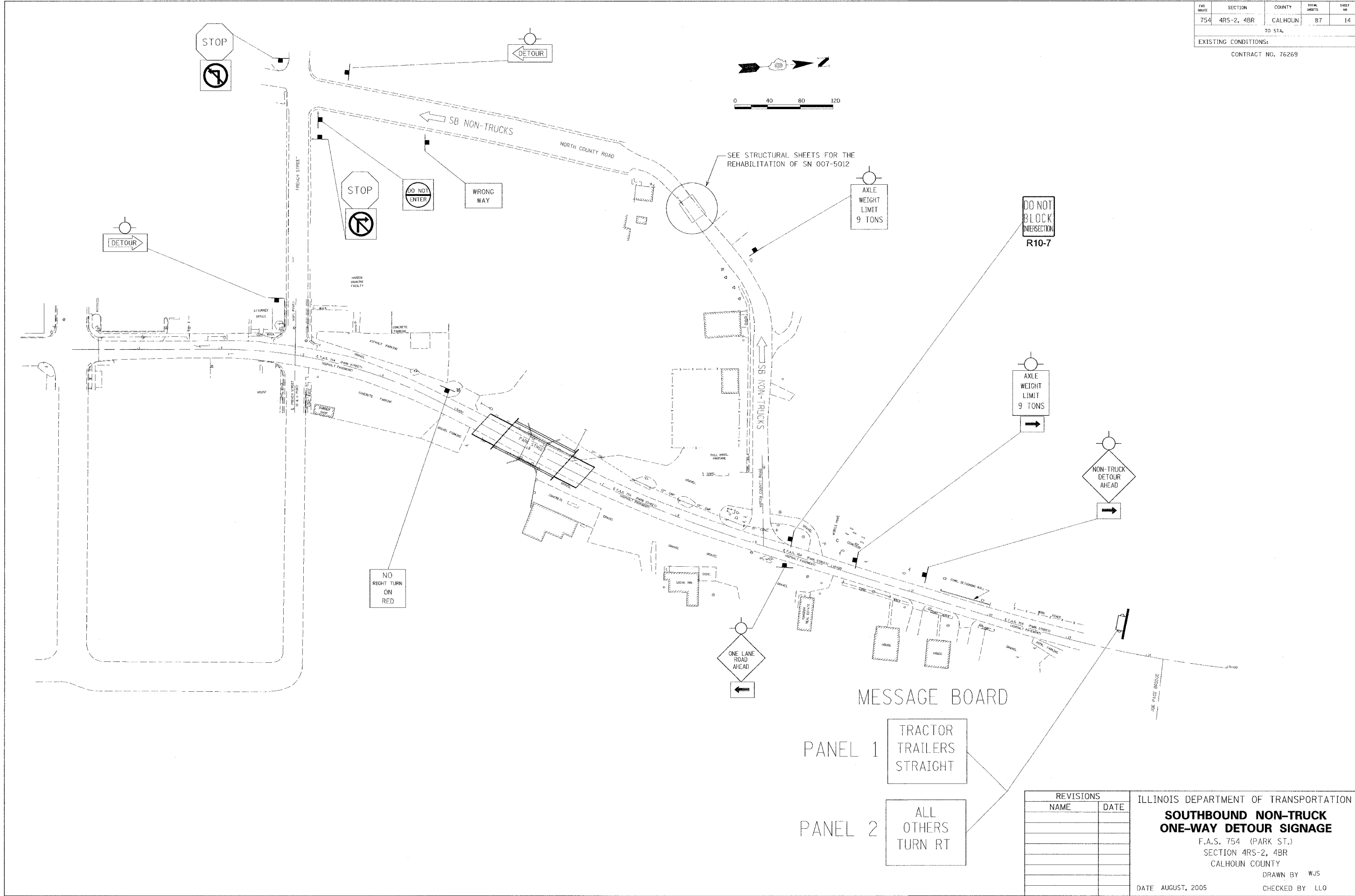
FAS ROUTE 754
 SECTION 4RS-2, 4BR
 CALHOUN COUNTY

DATE BY: MAY, 2003
 CHECKED BY: MKC

DRAWN BY: WJS
 CHECKED BY: MKC

FAS SHEET	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
754	4RS-2, 4BR	CALHOUN	87	14

EXISTING CONDITIONS:
CONTRACT NO. 76269



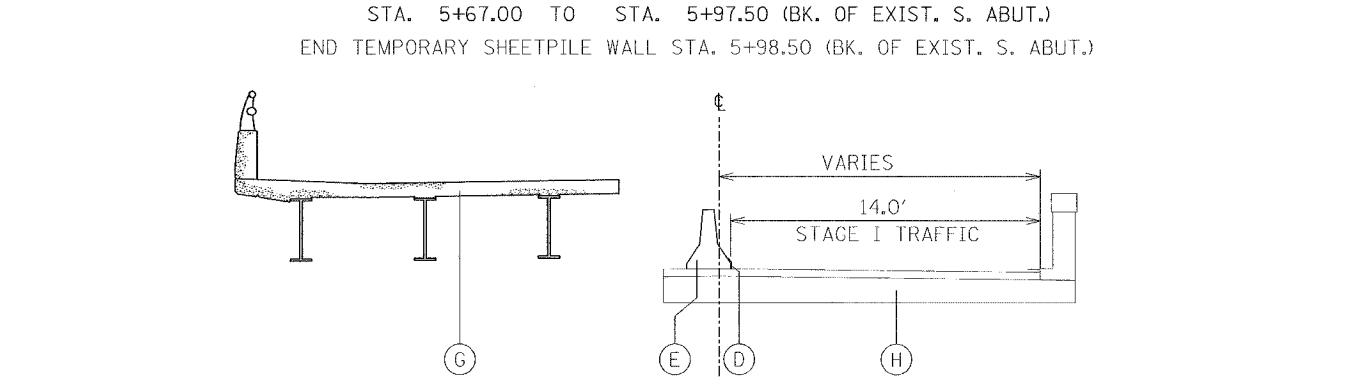
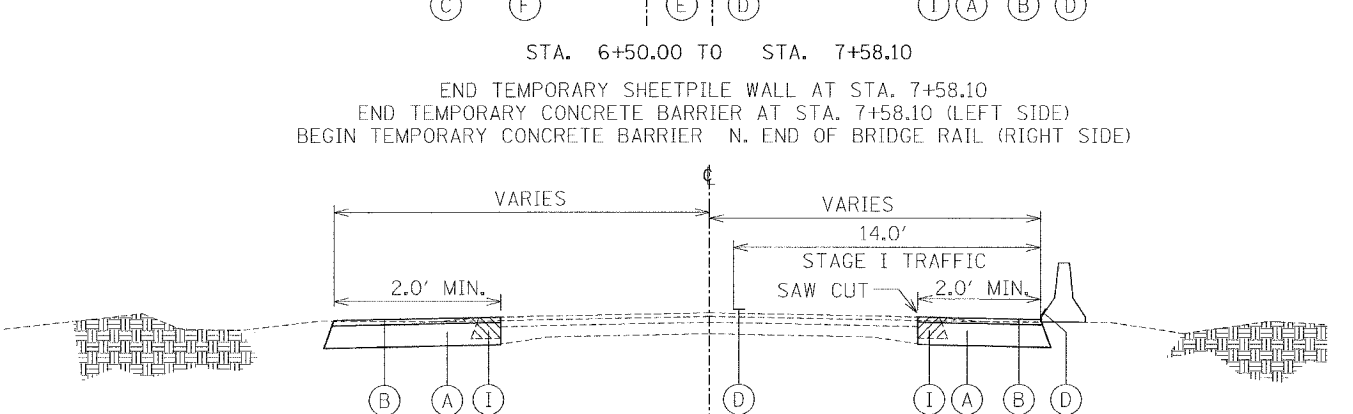
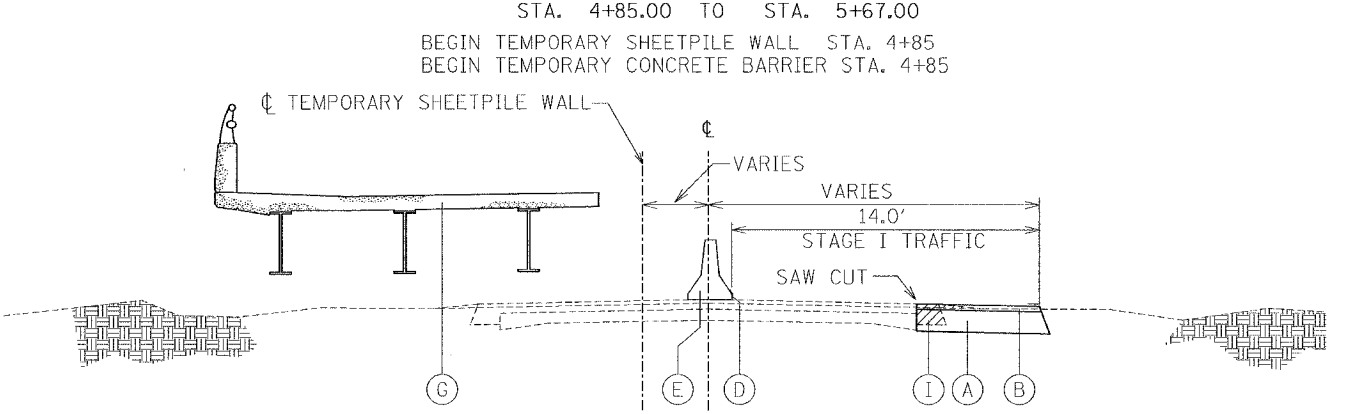
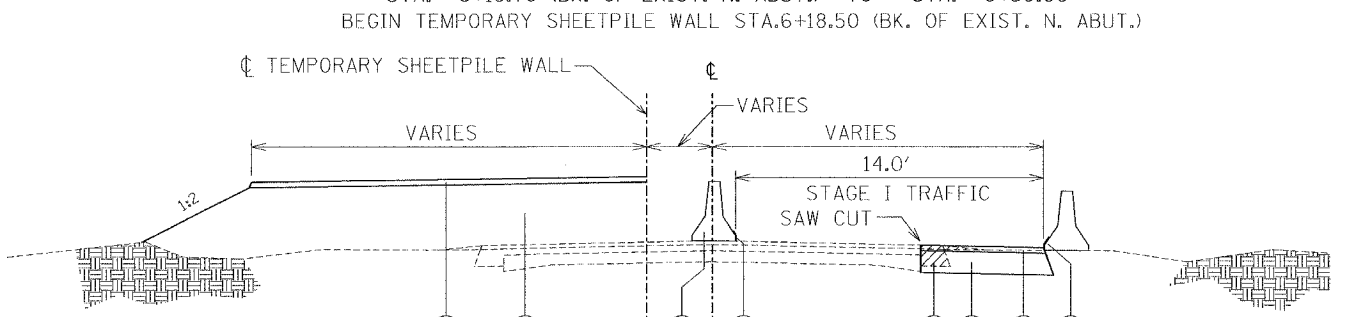
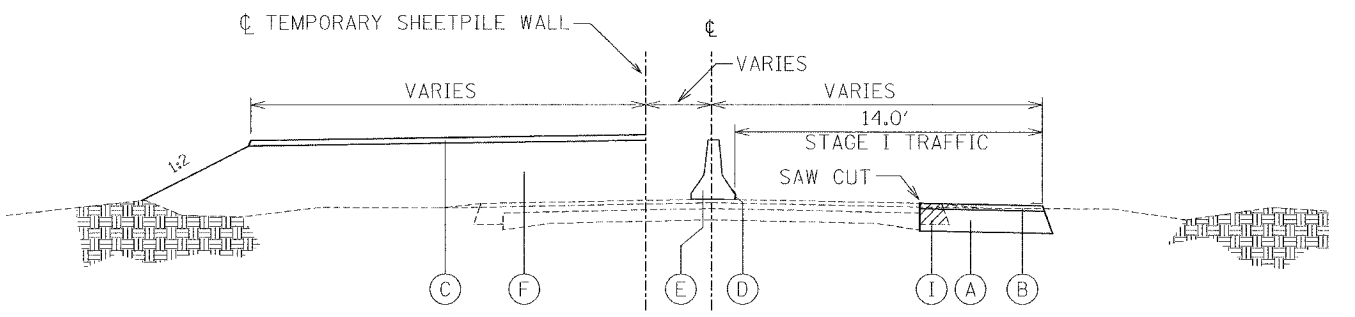
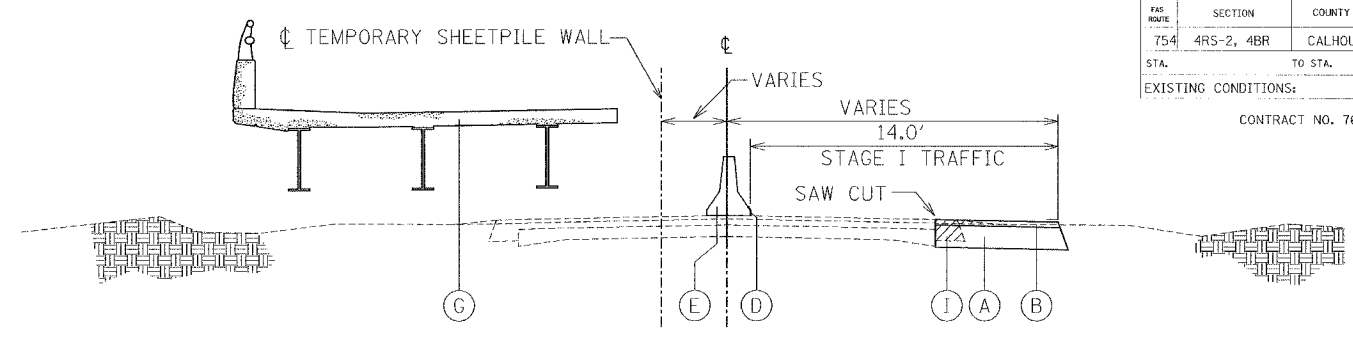
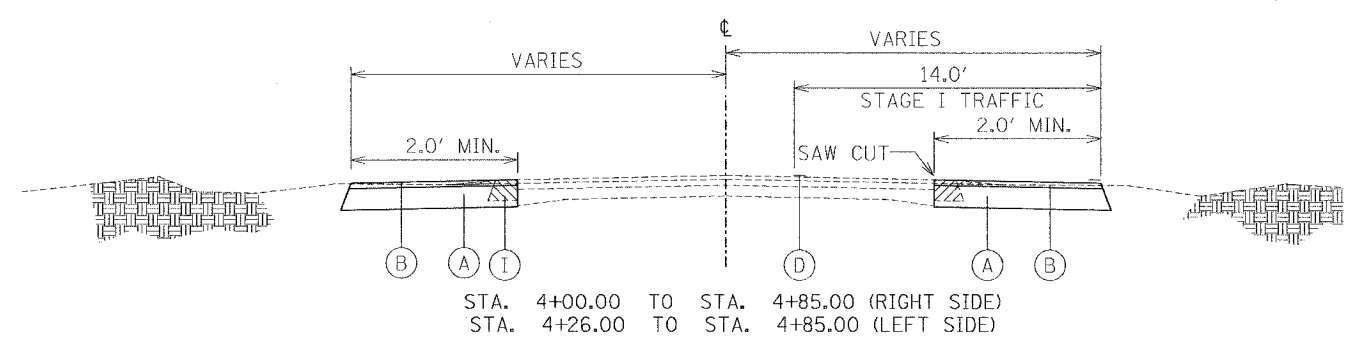
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**SOUTHBOUND NON-TRUCK
 ONE-WAY DETOUR SIGNAGE**
 F.A.S. 754 (PARK ST.)
 SECTION 4RS-2, 4BR
 CALHOUN COUNTY
 DRAWN BY WJS
 DATE AUGUST, 2005
 CHECKED BY LLQ

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
754 4RS-2, 4BR	CALHOUN	87	15

EXISTING CONDITIONS:

CONTRACT NO. 76269



STA. 6+19.70 (BK. OF EXIST. N. ABUT.) TO STA. 6+50.00
BEGIN TEMPORARY SHEETPILE WALL STA. 6+18.50 (BK. OF EXIST. N. ABUT.)

STA. 4+85.00 TO STA. 5+67.00
BEGIN TEMPORARY SHEETPILE WALL STA. 4+85
BEGIN TEMPORARY CONCRETE BARRIER STA. 4+85

STA. 6+50.00 TO STA. 7+58.10
END TEMPORARY SHEETPILE WALL AT STA. 7+58.10
END TEMPORARY CONCRETE BARRIER AT STA. 7+58.10 (LEFT SIDE)
BEGIN TEMPORARY CONCRETE BARRIER N. END OF BRIDGE RAIL (RIGHT SIDE)

STA. 5+67.00 TO STA. 5+97.50 (BK. OF EXIST. S. ABUT.)
END TEMPORARY SHEETPILE WALL STA. 5+98.50 (BK. OF EXIST. S. ABUT.)

STA. 7+58.10 TO STA. 8+84.00
END TEMPORARY CONCRETE BARRIER STA. 8+94.00 (RIGHT SIDE)

SEQUENCE OF CONSTRUCTION

In general, this project shall be stage constructed as follows:

- Standards**
- 701301 Lane Closure 2L, 2W Short Time Operations
 - 701321 Lane Closure 2L, 2W Bridge Repair With Barrier
 - 701501 Lane Closure 2L, 2W Undivided for Speeds < 45 MPH
 - 702001 Traffic Control Devices
 - 704001 Temporary Concrete Barrier

- Pre-Stage I**
1. Rehabilitate structure on North County Road.
 2. Remove existing shoulder and construct widening along Park Street for Stage I traffic lane.
 3. Construct temporary entrances.
 4. Install temporary traffic control signals for Stage I.

- Stage I**
1. Remove pavement and install temporary sheetpile, concrete barrier and temporary pavement markings, activate signals and place northbound traffic on northbound lane and southbound traffic on North County Road.
 2. Remove west lane of existing structure and construct southbound lane of proposed structure.
 3. Remove existing shoulder and construct widening along Park Street for Stage II traffic lane.
 4. Construct granular embankment and temporary bituminous ramps for Stage II traffic.

= PAVED SHOULDER REMOVAL

* THE BOTTOM 6" ON THE TRAFFIC FACE OF THE TEMPORARY CONCRETE BARRIER SHALL BE PAINTED WITH TEMPORARY PAVEMENT MARKING "WHITE". THE COST SHALL BE PAID AS TEMPORARY PAVEMENT MARKING - LINE, 6".

- A. PROPOSED TEMPORARY AGGREGATE BASE, TYPE B, 8" (TO BE COMPLETED PRE-STAGE I)
- B. PROPOSED TEMPORARY BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19.0, N50, 4" (TO BE COMPLETED PRE-STAGE I)
- C. PROPOSED TEMPORARY RAMP (PAID AS BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19.0, N50, 3 1/2")
- D. PROPOSED TEMPORARY PAVEMENT MARKING LINE, 4" OR 6" ON BOTTOM OF BARRIER IF PRESENT*

- E. PROPOSED TEMPORARY CONCRETE BARRIER
- F. PROPOSED GRANULAR EMBANKMENT, TYPE B, VARIES
- G. PROPOSED STRUCTURE
- H. EXISTING STRUCTURE
- I. BITUMINOUS SHOULDER REMOVAL, 2' WIDTH

REVISIONS	
NAME	DATE

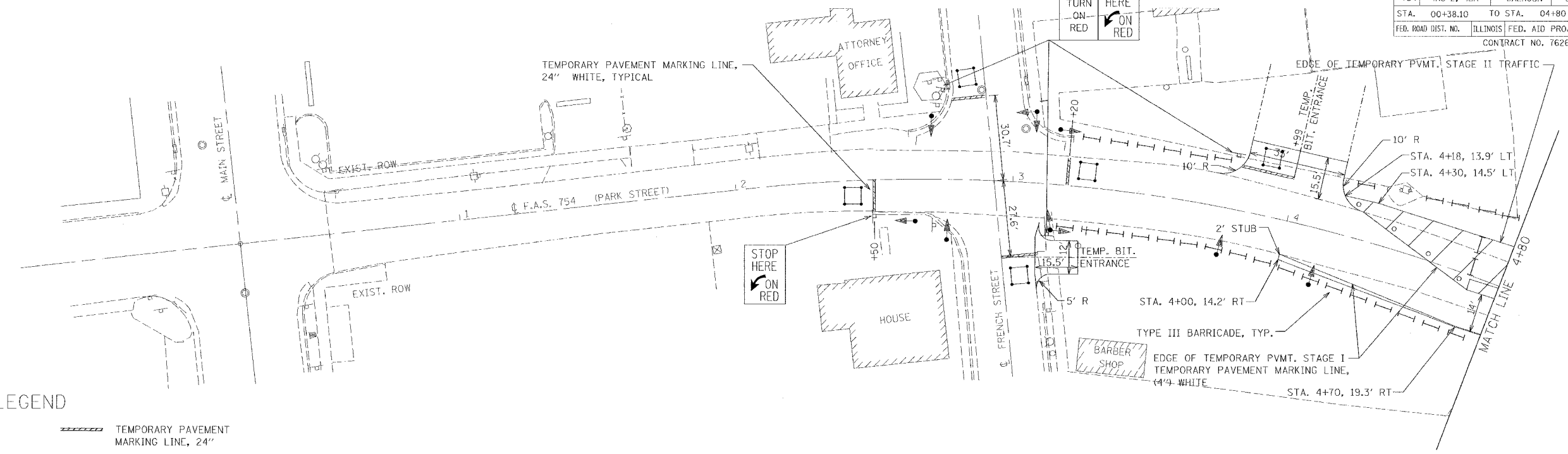
ILLINOIS DEPARTMENT OF TRANSPORTATION
STAGE I TYPICAL SECTIONS
F.A.S. 754 (PARK ST.)
SECTION 4RS-2, 4BR
CALHOUN COUNTY

DATE AUGUST, 2005

DRAWN BY WJS
CHECKED BY LLO

Rev.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
754	4RS-2, 4BR	CALHOUN	87	16
STA. 00+38.10		TO STA. 04+80		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 76269				

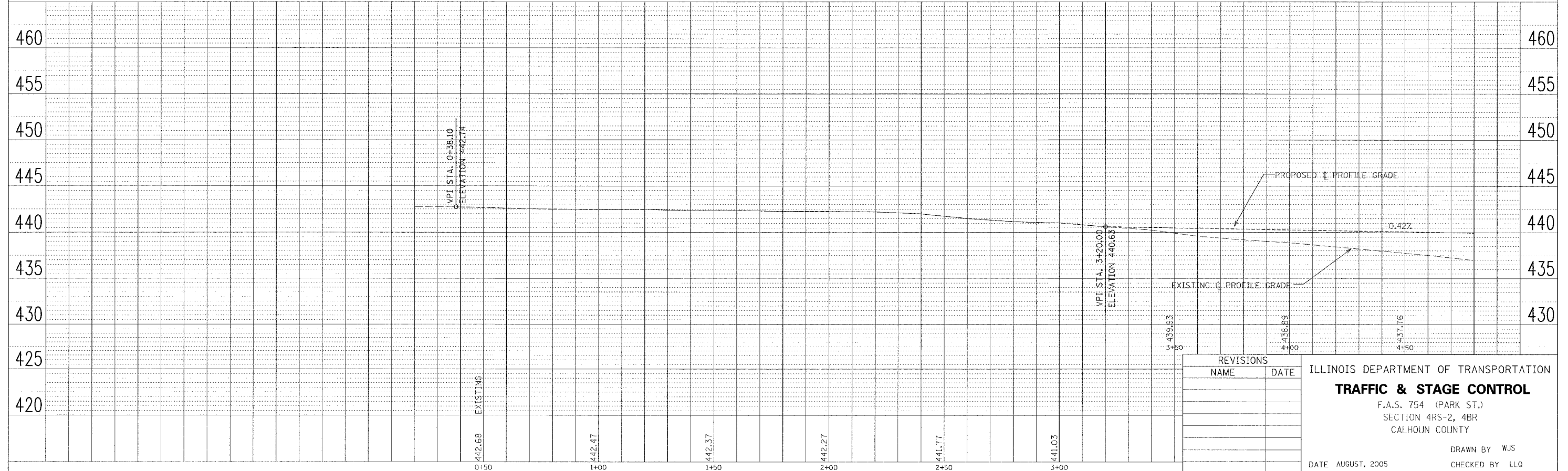


LEGEND

- DRUMS WITH STEADY BURN LIGHTS AT 15' CENTERS
- TEMPORARY TRAFFIC SIGNALS
- TYPE III BARRICADES
- TEMPORARY SHEET PILING
- TEMPORARY DETECTOR LOOP
- ▨ TEMPORARY PAVEMENT MARKING LINE, 24"
- ▨ TEMPORARY CONCRETE BARRIER
- ▨ TEMPORARY IMPACT ATTENUATOR, FULLY REDIRECTIVE, NARROW, TEST LEVEL 2
- ▨ WORK AREA

CENTERLINE PAVEMENT MARKING REMOVAL, 147 S.F. STA. 2+50 TO 4+70
 RIGHT EDGE PAVEMENT MARKING REMOVAL, 27 S.F. STA. 4+00 TO 4+80

STAGE I TRAFFIC CONTROL



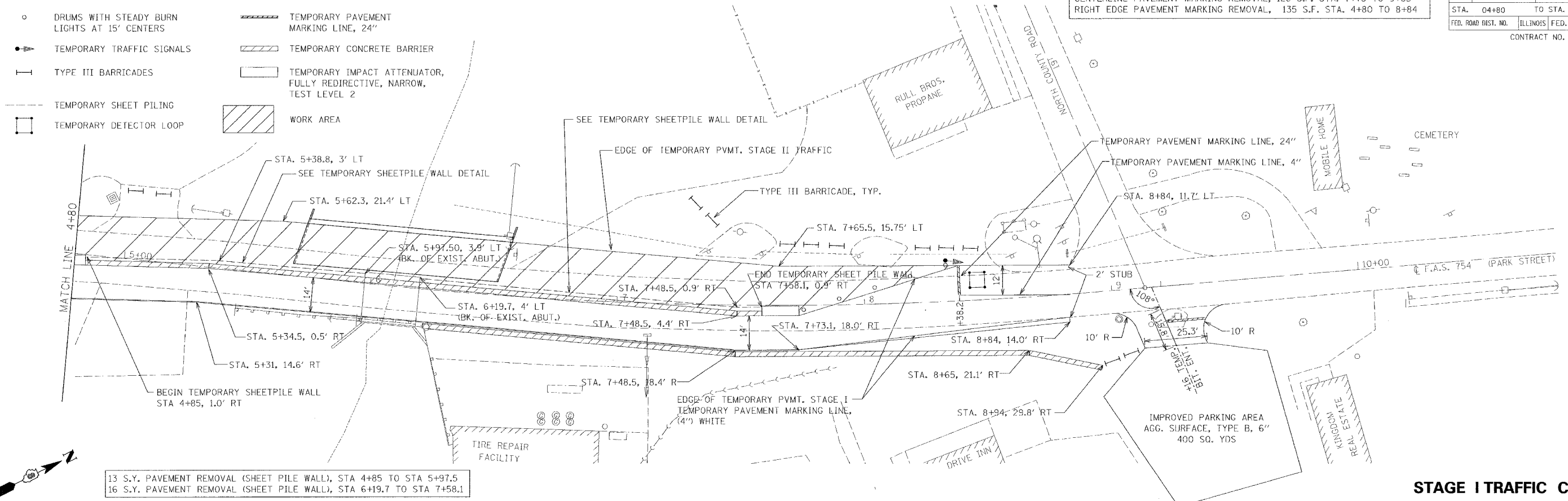
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC & STAGE CONTROL
 F.A.S. 754 (PARK ST.)
 SECTION 4RS-2, 4BR
 CALHOUN COUNTY
 DRAWN BY WJS
 CHECKED BY LLO
 DATE AUGUST, 2005

LEGEND

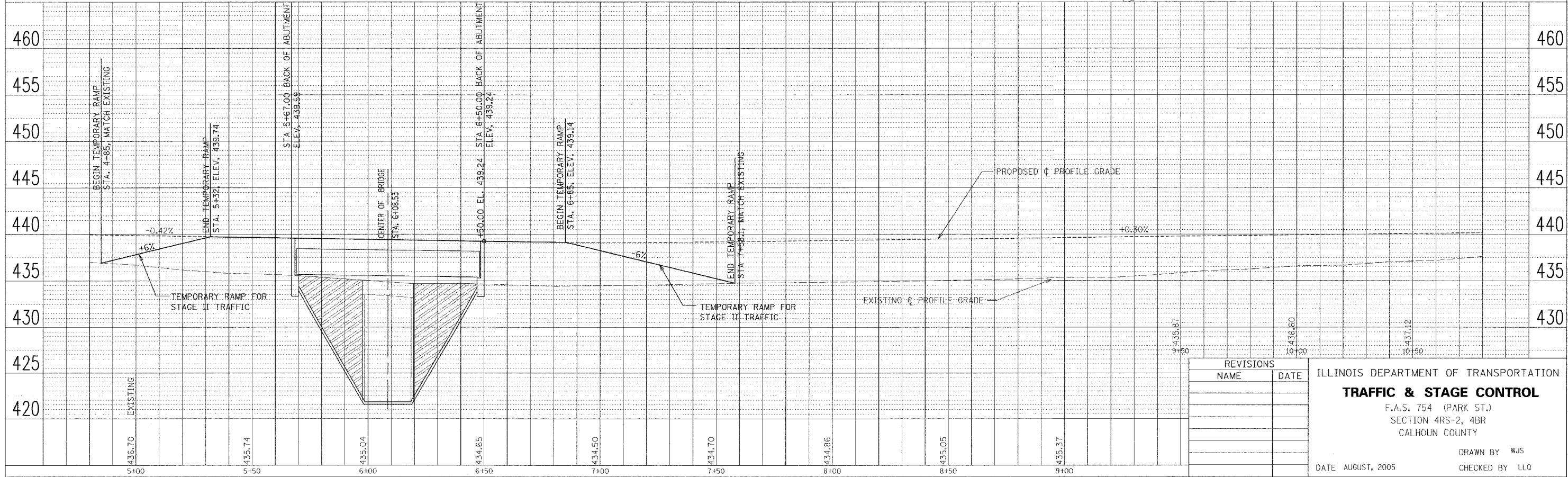
- DRUMS WITH STEADY BURN LIGHTS AT 15' CENTERS
- TEMPORARY TRAFFIC SIGNALS
- TYPE III BARRICADES
- TEMPORARY SHEET PILING
- TEMPORARY DETECTOR LOOP
- ▨ TEMPORARY PAVEMENT MARKING LINE, 24"
- ▨ TEMPORARY CONCRETE BARRIER
- ▨ TEMPORARY IMPACT ATTENUATOR, FULLY REDIRECTIVE, NARROW, TEST LEVEL 2
- ▨ WORK AREA

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
754	4RS-2, 4BR	CALHOUN	87	17
STA. 04+80	TO STA. 10+80			
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 76269				



13 S.Y. PAVEMENT REMOVAL (SHEET PILE WALL), STA 4+85 TO STA 5+97.5
 16 S.Y. PAVEMENT REMOVAL (SHEET PILE WALL), STA 6+19.7 TO STA 7+58.1

STAGE I TRAFFIC CONTROL



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC & STAGE CONTROL
 F.A.S. 754 (PARK ST.)
 SECTION 4RS-2, 4BR
 CALHOUN COUNTY

DRAWN BY WJS
 CHECKED BY LLO

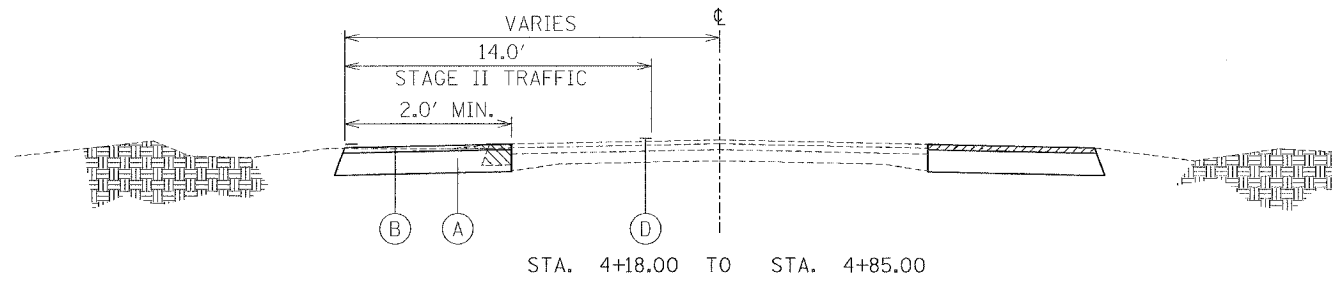
DATE AUGUST, 2005

FED. PROJECT NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
754	4RS-2, 4BR	CALHOUN	87	18

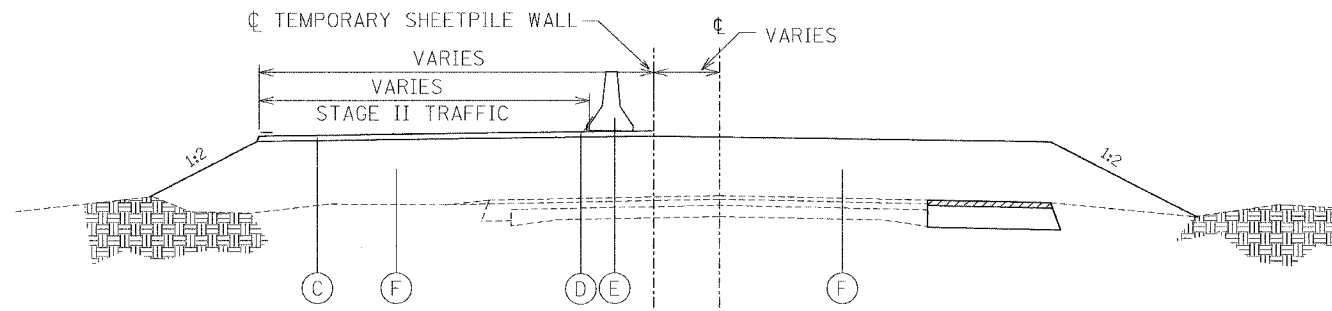
STA. TO STA.

EXISTING CONDITIONS:

CONTRACT NO. 76269

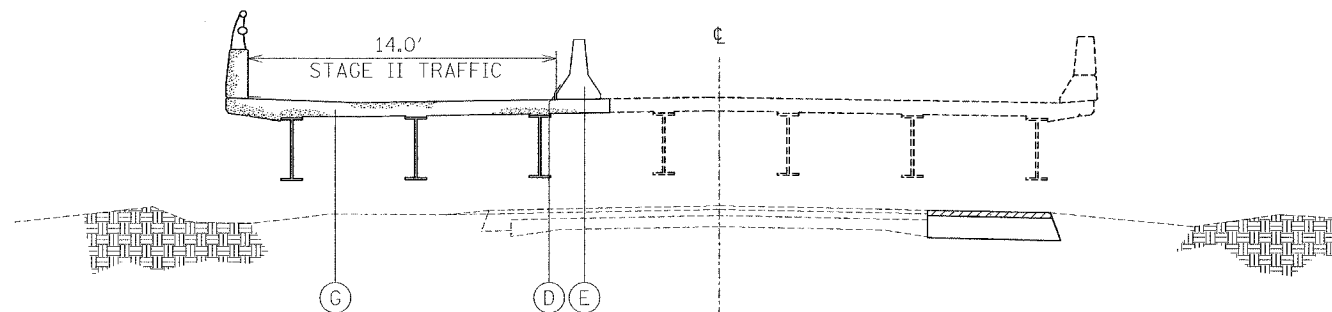


STA. 4+18.00 TO STA. 4+85.00

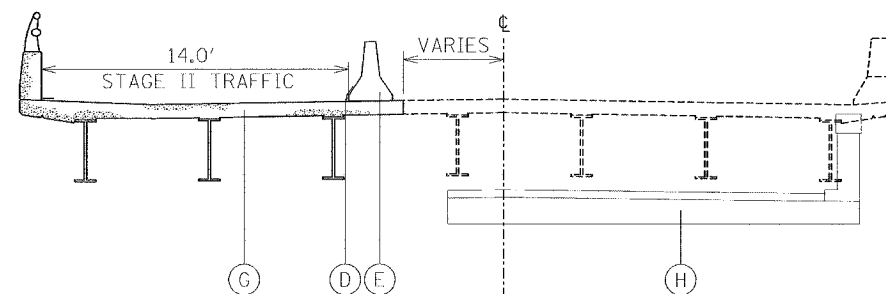


STA. 4+85.00 TO STA. 5+67.00

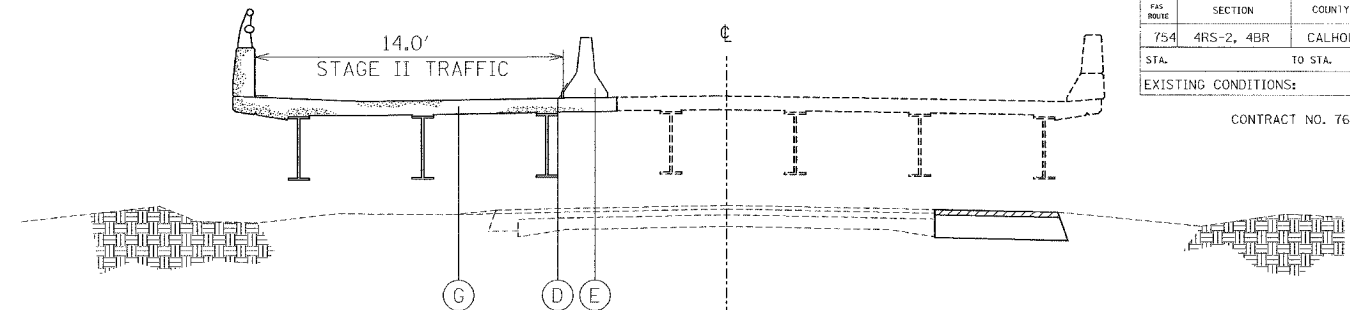
BEGIN TEMPORARY SHEETPILE WALL STA. 4+85.00
BEGIN TEMPORARY CONCRETE BARRIER STA. 4+85.00



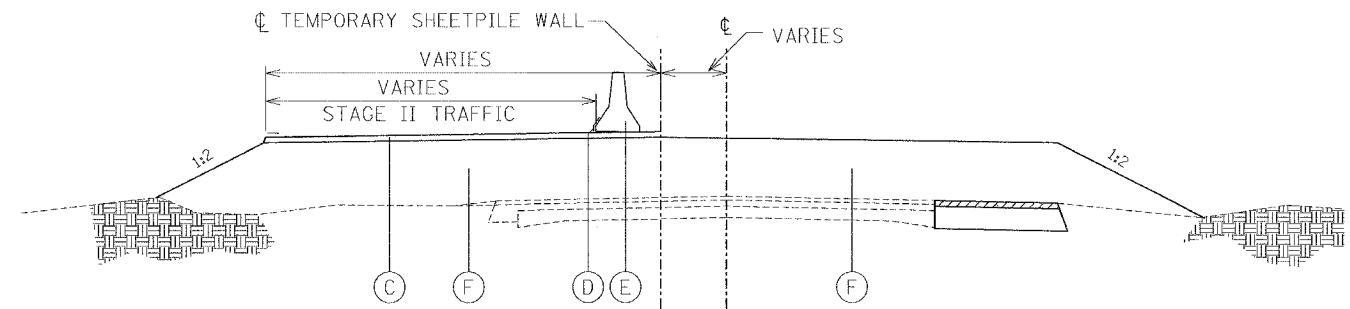
STA. 5+67.00 TO STA. 5+97.50 (BK. OF EXIST. S. ABUT.)
END TEMPORARY SHEETPILE WALL STA. 5+67.00 (BK. OF PROP. S. ABUT.)



STA. 5+98.50 TO STA. 6+18.50
EXISTING STRUCTURE ONLY

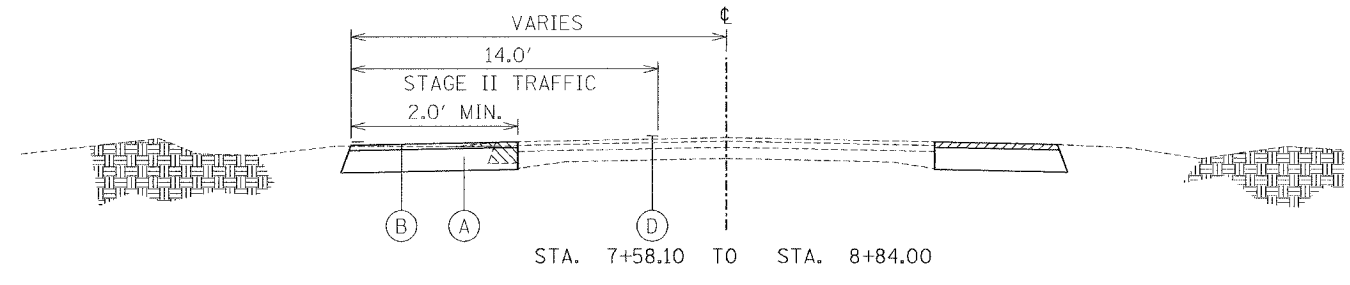


STA. 6+19.70 (BK. OF EXIST. N. ABUT.) TO STA. 6+50.00



STA. 6+50.00 TO STA. 7+58.10

BEGIN TEMPORARY SHEETPILE WALL STA. 6+50.00 (BK. OF PROP. N. ABUT.)
END TEMPORARY SHEETPILE WALL AT STA. 7+58.10
END TEMPORARY CONCRETE BARRIER AT STA. 7+58.10



STA. 7+58.10 TO STA. 8+84.00

SEQUENCE OF CONSTRUCTION

In general, this project shall be stage constructed as follows:

Standards

- 701301-01 Lane Closure 2L, 2W Short Time Operations
- 701321-06 Lane Closure 2L, 2W Bridge Repair With Barrier
- 701501-01 Lane Closure 2L, 2W Undivided for Speeds < 15 MPH
- 702001-03 Traffic Control Devices
- 704001-01 Temporary Concrete Barrier

Stage II

1. Relocate temporary concrete barrier, install temporary pavement markings, relocate traffic control for stage II and place northbound traffic on southbound lane.
2. Remove remainder of existing structure and complete construction of proposed structure.
3. Place granular embankment on northbound lanes equal in height to the southbound lanes and to the limits of the proposed pavement width (as shown in the typical sections).

= PAVED SHOULDER REMOVAL

= STAGE I PAVED SHOULDER REMOVAL

* THE BOTTOM 6" ON THE TRAFFIC FACE OF THE TEMPORARY CONCRETE BARRIER SHALL BE PAINTED WITH TEMPORARY PAVEMENT MARKING "WHITE". THE COST SHALL BE PAID AS TEMPORARY PAVEMENT MARKING - LINE, 6".

- A. PROPOSED TEMPORARY AGGREGATE BASE, TYPE B, 8" (TO BE COMPLETED PRE-STAGE I)
- B. PROPOSED TEMPORARY BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19.0, N50, 4" (TO BE COMPLETED PRE-STAGE I)
- C. PROPOSED TEMPORARY RAMP (PAID AS BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19.0, N50, 3 1/2")
- D. PROPOSED TEMPORARY PAVEMENT MARKING LINE, 4" OR 6" ON BOTTOM OF BARRIER IF PRESENT *

- E. PROPOSED TEMPORARY CONCRETE BARRIER
- F. PROPOSED GRANULAR EMBANKMENT, TYPE B, VARIES
- F. PROPOSED GRANULAR EMBANKMENT, TYPE B, VARIES
- G. PROPOSED STRUCTURE
- H. EXISTING STRUCTURE
- I. BITUMINOUS SHOULDER REMOVAL, 2' WIDTH

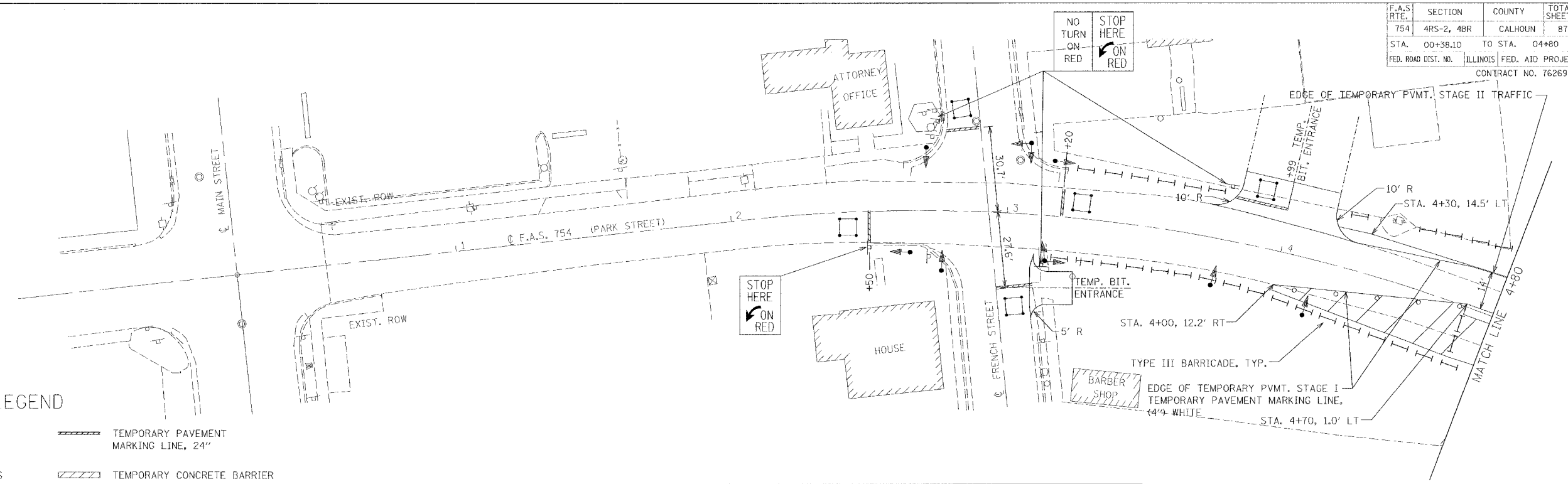
REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		STAGE II TYPICAL SECTIONS F.A.S. 754 (PARK ST.) SECTION 4RS-2, 4BR CALHOUN COUNTY DRAWN BY WJS DATE AUGUST, 2005 CHECKED BY LLO

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
754	4RS-2, 4BR	CALHOUN	87	19
STA. 00+38.10	TO STA. 04+80			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 76269				



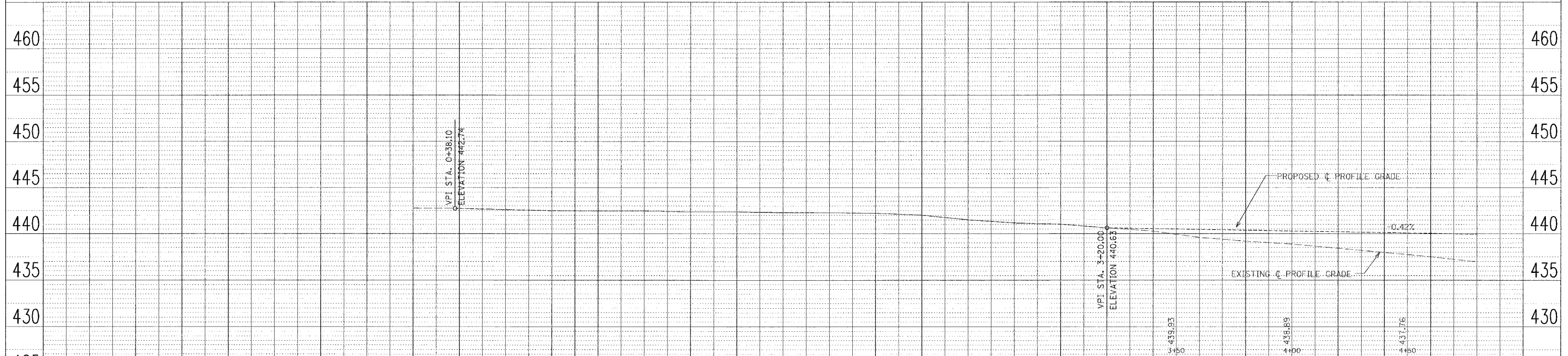
LEGEND

- DRUMS WITH STEADY BURN LIGHTS AT 15' CENTERS
- TEMPORARY TRAFFIC SIGNALS
- TYPE III BARRICADES
- TEMPORARY SHEET PILING
- TEMPORARY DETECTOR LOOP
- ▨ TEMPORARY PAVEMENT MARKING LINE, 24"
- ▩ TEMPORARY CONCRETE BARRIER
- TEMPORARY IMPACT ATTENUATOR, FULLY REDIRECTIVE, NARROW, TEST LEVEL 2
- ▨ WORK AREA



LEFT EDGE PAVEMENT MARKING REMOVAL, 30 S.F. STA. 3+70 TO 4+60
 LEFT SIDE OF LANE STAGE I CONSTRUCTION REMOVAL 15 SF STA. 4+25 TO 4+70

STAGE II TRAFFIC CONTROL



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC & STAGE CONTROL
 F.A.S. 754 (PARK ST.)
 SECTION 4RS-2, 4BR
 CALHOUN COUNTY

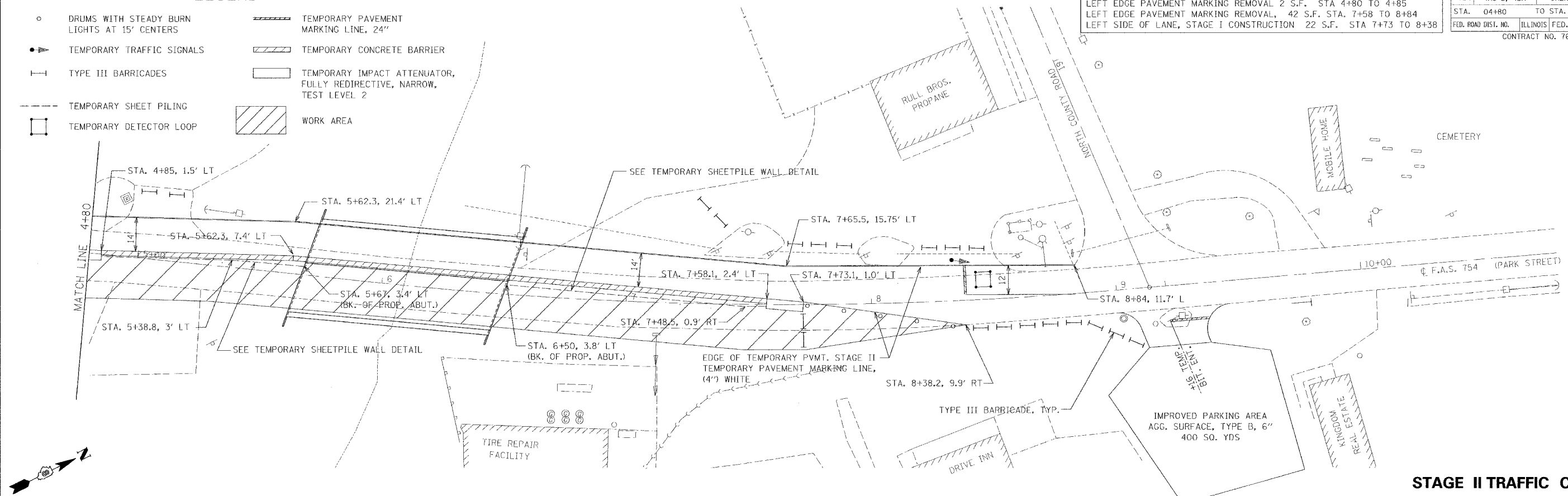
DATE AUGUST, 2005
 DRAWN BY WJS
 CHECKED BY LLO

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
754	4RS-2, 4BR	CALHOUN	87	20
STA. 04+80		TO STA. 10+80		
FED. ROAD DIST. NO.		ILLINOIS		FED. AID PROJECT
CONTRACT NO. 76269				

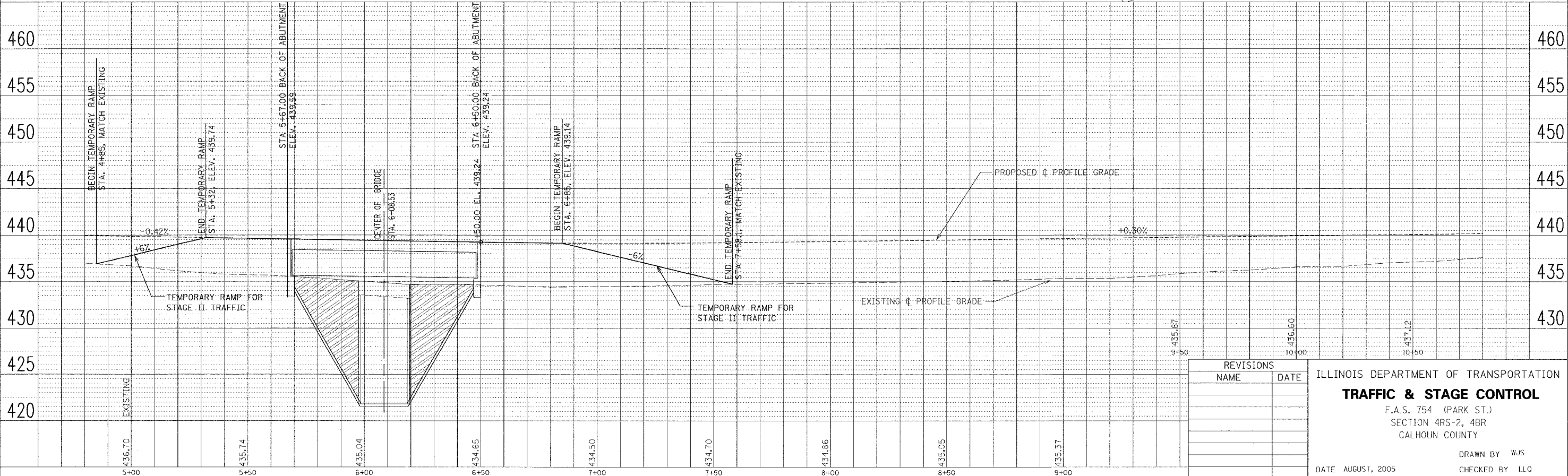
LEFT EDGE PAVEMENT MARKING REMOVAL 2 S.F. STA 4+80 TO 4+85
LEFT EDGE PAVEMENT MARKING REMOVAL, 42 S.F. STA. 7+58 TO 8+84
LEFT SIDE OF LANE, STAGE I CONSTRUCTION 22 S.F. STA 7+73 TO 8+38

LEGEND

- DRUMS WITH STEADY BURN LIGHTS AT 15' CENTERS
- TEMPORARY TRAFFIC SIGNALS
- TYPE III BARRICADES
- - - TEMPORARY SHEET PILING
- TEMPORARY DETECTOR LOOP
- ▨ TEMPORARY PAVEMENT MARKING LINE, 24"
- ▩ TEMPORARY CONCRETE BARRIER
- ▭ TEMPORARY IMPACT ATTENUATOR, FULLY REDIRECTIVE, NARROW, TEST LEVEL 2
- ▨ WORK AREA



STAGE II TRAFFIC CONTROL

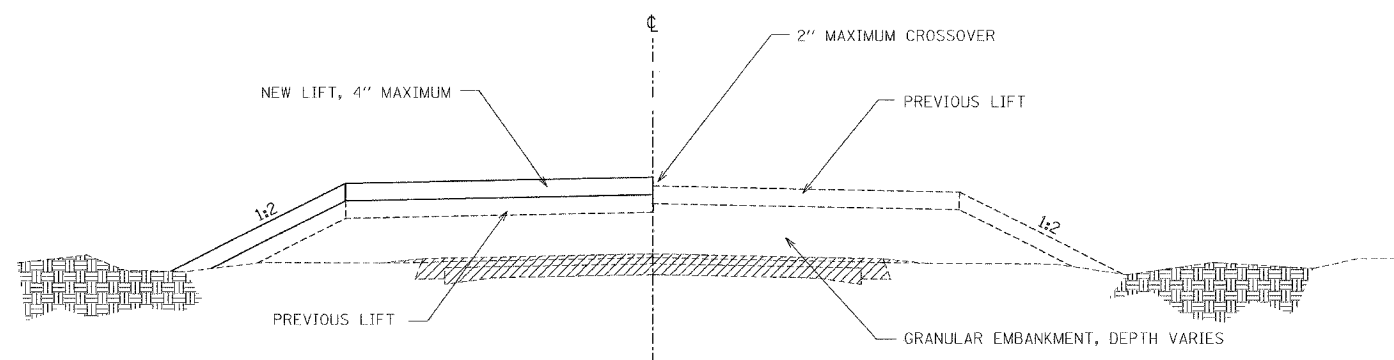


REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC & STAGE CONTROL
F.A.S. 754 (PARK ST.)
SECTION 4RS-2, 4BR
CALHOUN COUNTY
DRAWN BY WJS
CHECKED BY LLO
DATE AUGUST, 2005

FAS NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
754	4RS-2, 4BR	CALHOUN	87	21
STA.	TO STA.			

EXISTING CONDITIONS:
CONTRACT NO. 76269



TYPICAL GRANULAR EMBANKMENT CONSTRUCTION

STA. 3+76 TO 5+67
STA. 6+50 TO 11+82

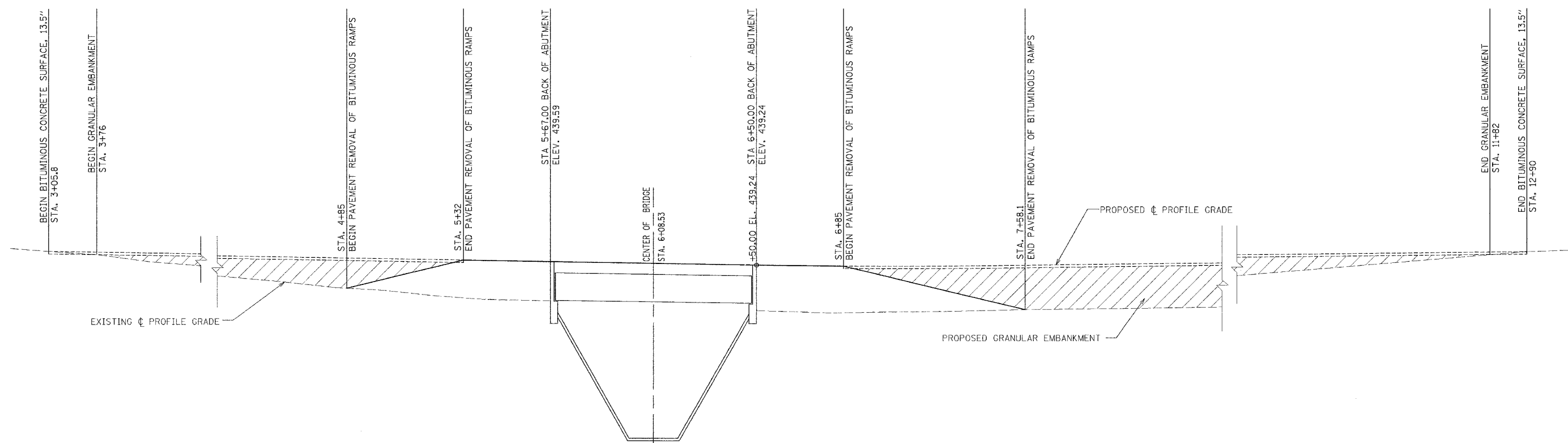
SEQUENCE OF CONSTRUCTION

In general, this project shall be stage constructed as follows:

- Standards
701301 Lane Closure 2L, 2W Short Time Operations
701501 Lane Closure 2L, 2W Undivided for Speeds < 45 MPH
702001 Traffic Control Devices

Stage III

1. Remove pavement constructed for temporary bituminous ramps.
2. Remove temporary sheetpile wall.
3. Complete granular embankment along entire project length. (use as temporary ramps at proposed structure prior to first lift of bituminous concrete).
4. Complete pavement removal under one-way traffic, by alternating traffic lane use. (use as temporary ramps at pavement removal areas prior to first lift of bituminous concrete).
5. Construct approach roadways (storm sewers, curb and gutter, bituminous binder course, etc.) on entire project as specified in the plans. Use temporary ramps for alternating bituminous lifts.
6. Install guardrail at the structure.
7. Remove signals, install pavement markings and open Park Street to two-way traffic.
8. Complete remaining items as specified in the plans.



TEMPORARY RAMP DETAIL
STAGE III CONSTRUCTION ONLY

* AGGREGATE TEMPORARY RAMP DURING GRANULAR EMBANKMENT CONSTRUCTION
BITUMINOUS CONCRETE RAMP DURING ROADWAY PAVING.

REVISIONS	
NAME	DATE

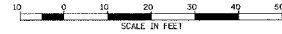
ILLINOIS DEPARTMENT OF TRANSPORTATION

STAGE III - GRANULAR EMBANKMENT CONSTRUCTION

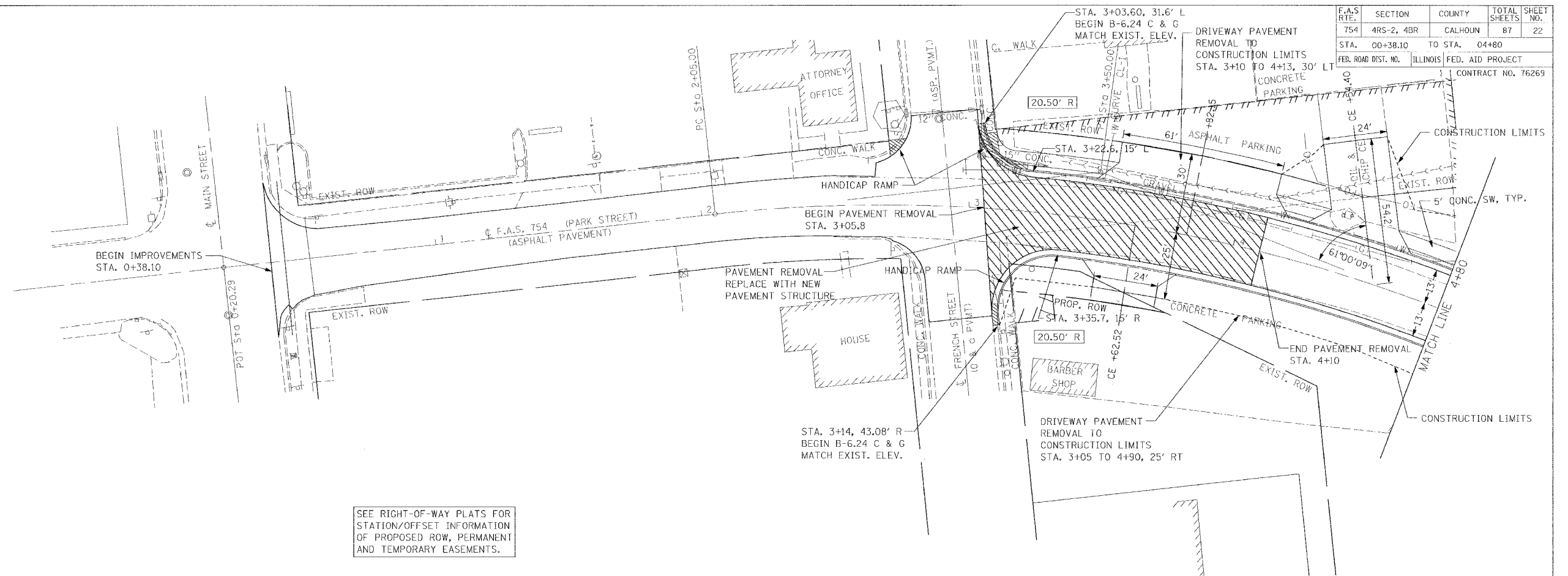
F.A.S. 754 (PARK ST.)
SECTION 4RS-2, 4BR
CALHOUN COUNTY

DATE AUGUST, 2005

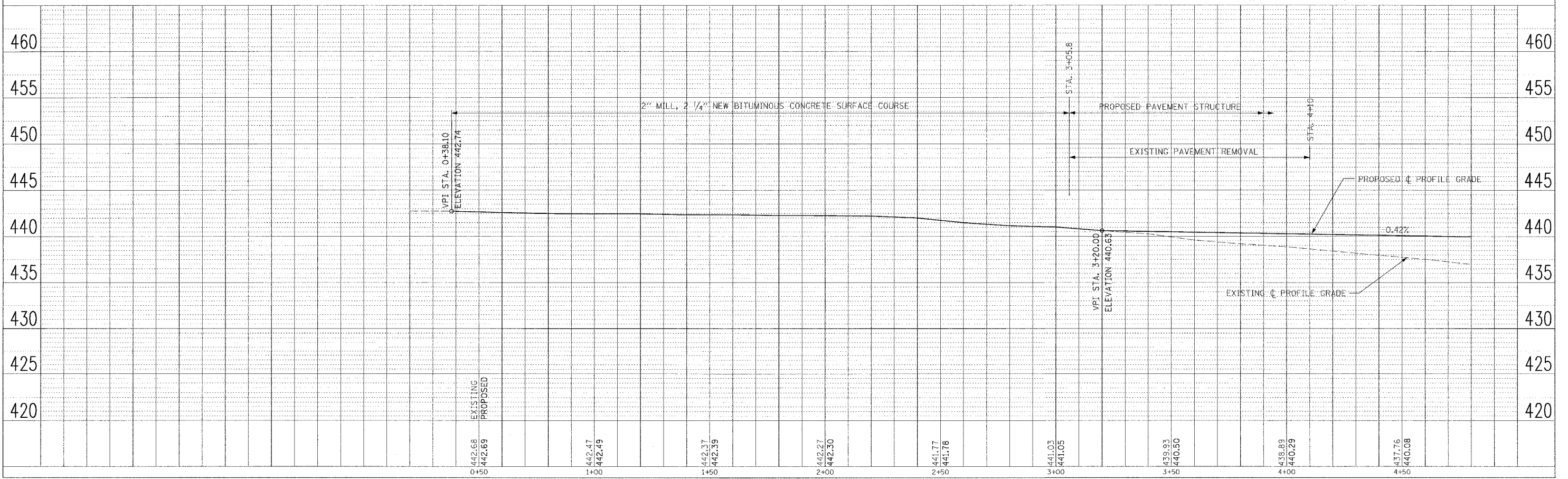
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CHECKED BY LLQ



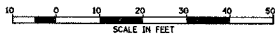
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
754	4RS-2, 4BR	CALHOUN	87	22
STA. 00+38.10 TO STA. 04+80		ILLINOIS FED. AID PROJECT		
FED. ROAD DIST. NO.		CONTRACT NO. 76269		



SEE RIGHT-OF-WAY PLATS FOR STATION/OFFSET INFORMATION OF PROPOSED ROW, PERMANENT AND TEMPORARY EASEMENTS.

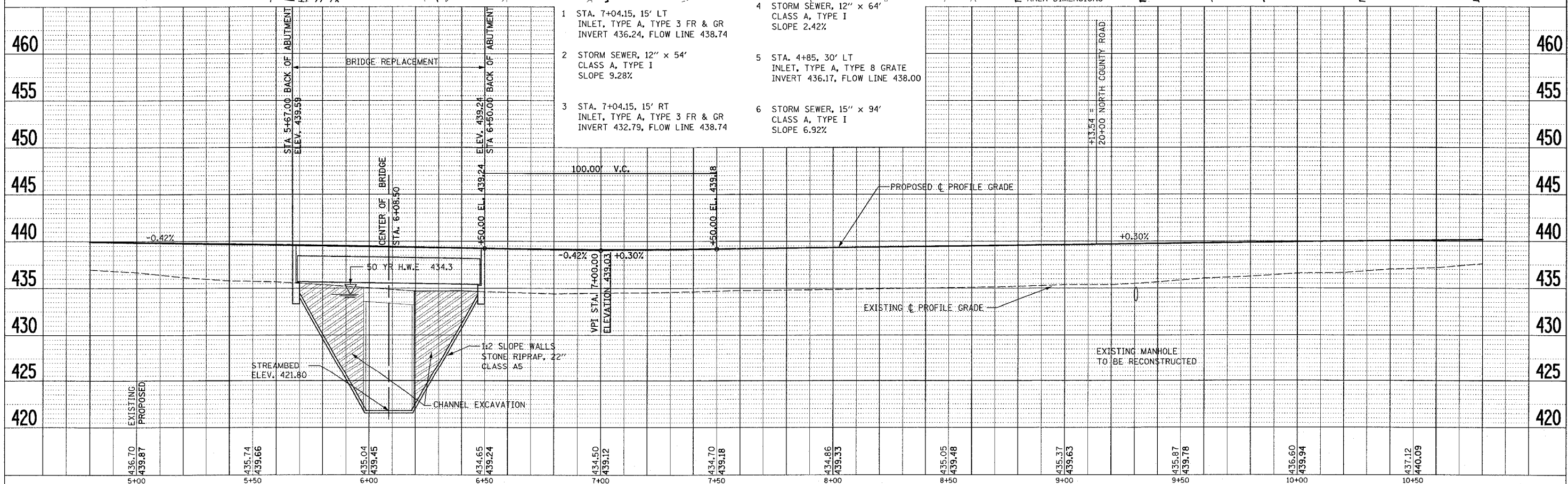
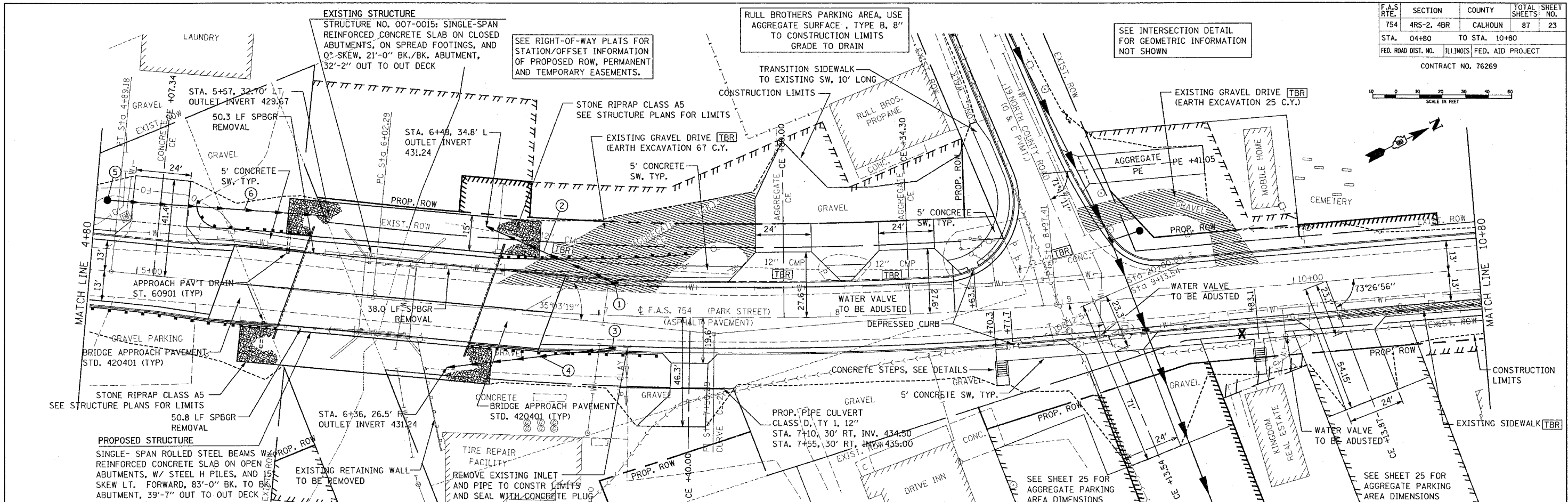


F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	NO.
754	4RS-2, 4BR	CALHOUN	87	23
STA.	TO STA.			
04+80	10+80			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 76269				

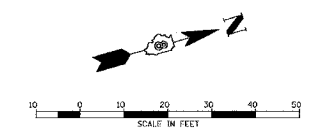


DATE	BY	CHECKED
PLAN	NO. 1	NO. 2
NO. 3	NO. 4	NO. 5

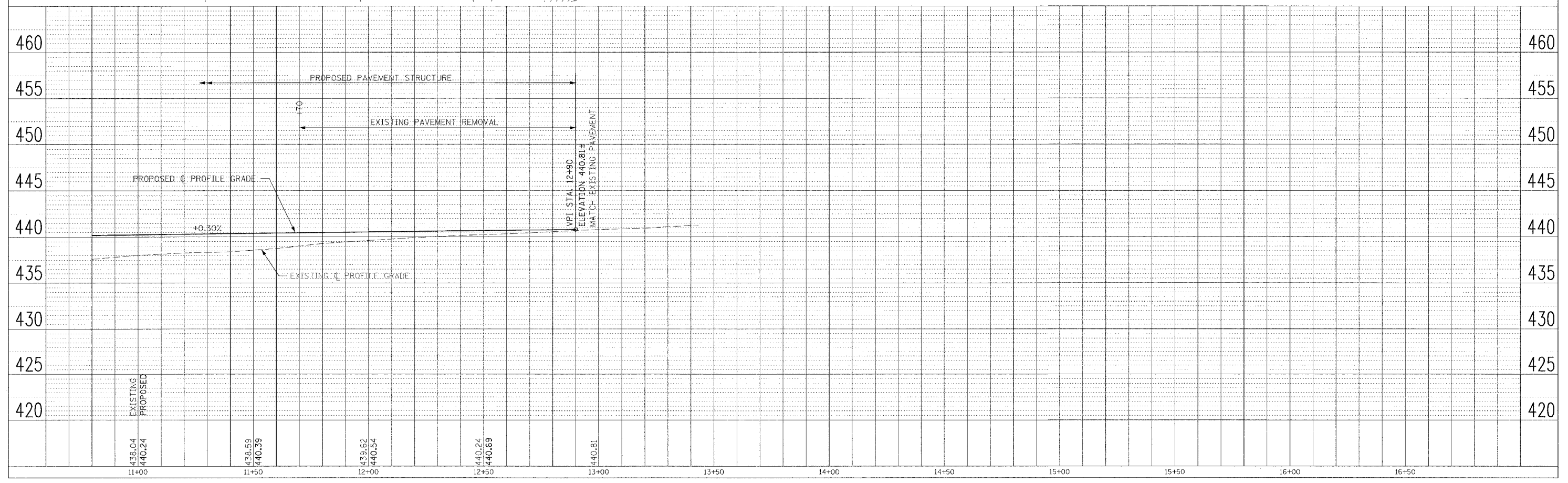
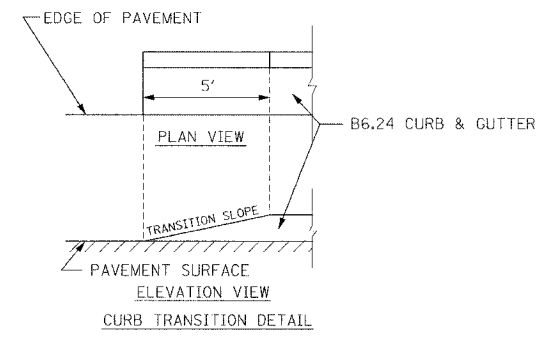
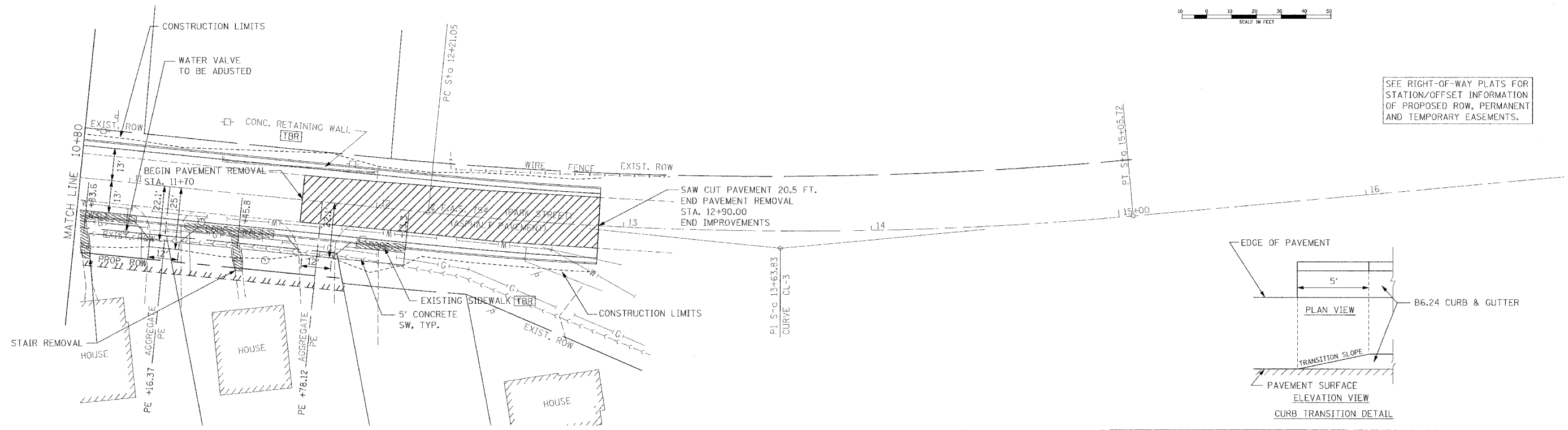
DATE	BY	CHECKED
PROFILE	NO. 1	NO. 2
NO. 3	NO. 4	NO. 5

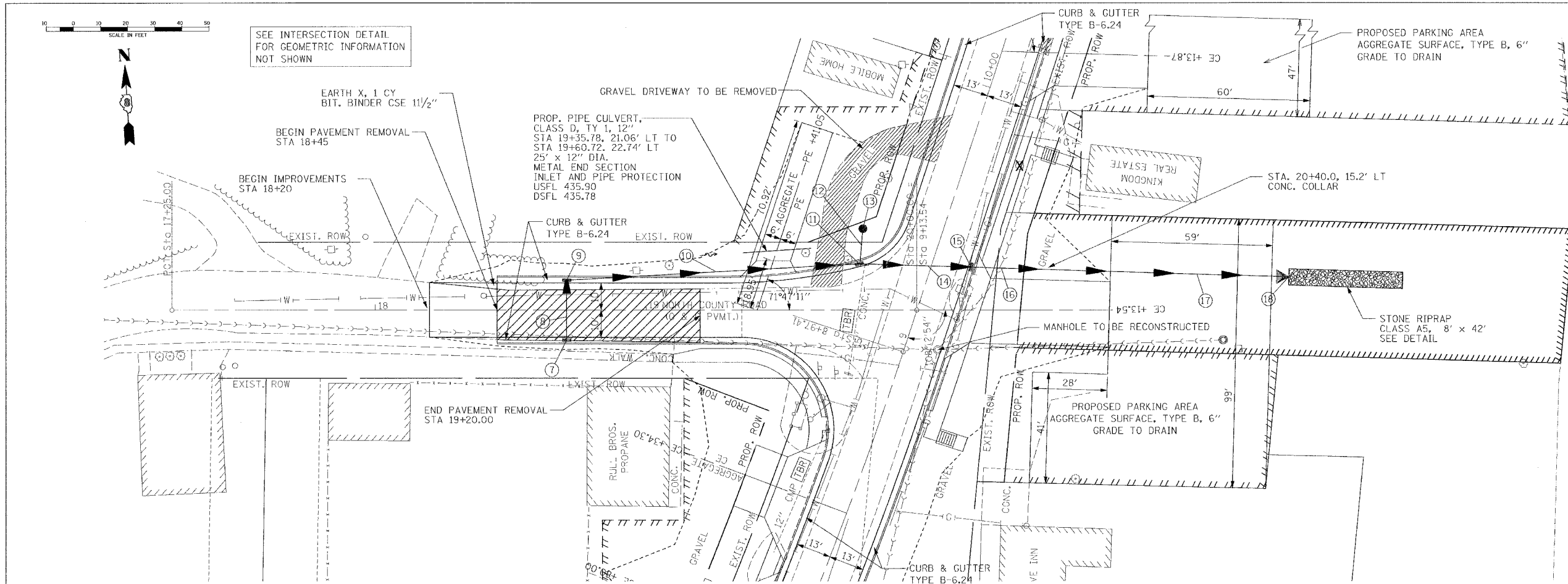


F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
754	4RS-2, 4BR	CALHOUN	87	24
STA. 10+80	TO STA. 12+90			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 76269				



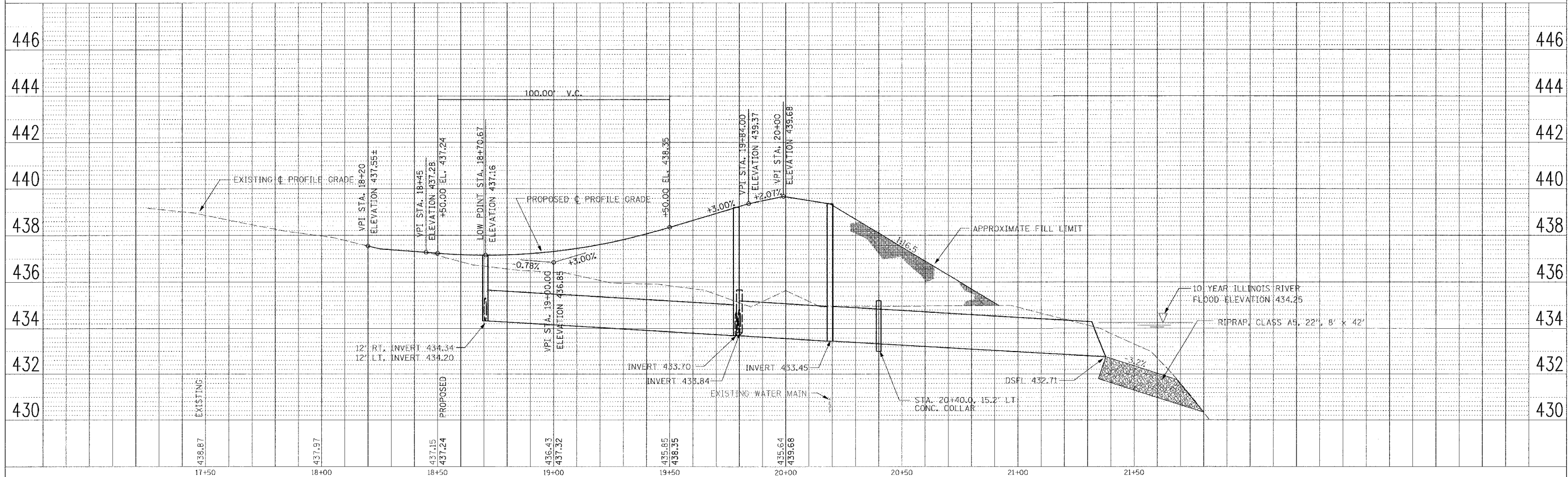
SEE RIGHT-OF-WAY PLATS FOR STATION/OFFSET INFORMATION OF PROPOSED ROW, PERMANENT AND TEMPORARY EASEMENTS.





F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
754	4RS-2, 4BR	CALHOUN	87	25
STA. 18+45	TO STA. 20+00			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

- CONTRACT NO. 76269
 7 STA. 18+70.50, 12' RT INLET, TYPE A, TYPE 3 FR & GR INVERT 434.34, FLOW LINE 436.84
 8 STORM SEWER, TYPE I, WATER MAIN QUALITY PIPE, 12" x 22' SLOPE 0.64%
 9 STA. 18+70.50, 12' LT INLET, TYPE A, TYPE 3 FR & GR INVERT 434.20, FLOW LINE 436.84
 10 STORM SEWER, TYPE I, WATER MAIN QUALITY PIPE, 15" x 110' SLOPE 0.47%
 11 STA. 19+78.70, 18' LT INLET, TYPE B, TYPE 3 FR & GR INVERT 433.70, FLOW LINE 438.98
 12 STORM SEWER, 12" x 12' CLASS A, TYPE I SLOPE 1.33%
 13 STA. 19+80, 30' LT INLET, TYPE A, TYPE 8 GRATE INVERT 433.84, FLOW LINE 435.67 INLET AND PIPE PROTECTION
 14 STORM SEWER, TYPE 2, WATER MAIN QUALITY PIPE, 18" x 40' SLOPE 0.64%
 15 STA. 20+20.0, 15.8' LT INLET, TYPE B, TYPE 3 FR & GR INVERT 433.45, FLOW LINE 439.36
 16 STORM SEWER, TYPE 2, WATER MAIN QUALITY PIPE, 18" x 20' SLOPE 0.64%
 17 STORM SEWER, 18" x 97' CLASS A, TYPE I SLOPE 0.64%
 18 STA 21+30.7, 12.2' LT 18" PRECAST RCFCES DSFL 432.71



PART OF THE NE 1/4 OF SECTION 27, T.10S., R.2W., OF THE 4TH PM, CALHOUN COUNTY, ILLINOIS

BEARINGS SHOWN HEREON ARE BASED ON SURVEY CONTROL DATA AS PROVIDED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION.

SECTION	COUNTY	TOWNSHIP	RANGE
754	ARS-2, 4BR	CALHOUN	87
STA.	TO STA.		

CONTRACT NO. 76269

LEGEND

- EXISTING CENTERLINE
- EXISTING RIGHT OF WAY LINE
- EXISTING EASEMENT LINE
- PROPOSED CENTERLINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED TEMPORARY EASEMENT LINE
- PROPOSED PERMANENT EASEMENT LINE
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER QUARTER SECTION LINE
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORDED DIMENSION
- FOUND IRON PIPE OR IRON ROD
- SET 3/8 INCH IRON ROD
- PERMANENT SURVEY MONUMENT, I.D.O.T. STD. 2135 (TO BE SET BY OTHERS)
- SET DRILL HOLE IN CONC. SWK.
- SAME OWNERSHIP
- FOUND R/W MONUMENT

- STAKING OF PROPOSED RIGHT OF WAY. SET 3/8 INCH METAL ROD WITH DIVISION OF HIGHWAY SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. SET 3/8 INCH METAL ROD WITH DIVISION OF HIGHWAY SURVEY MARKER 20 INCHES BELOW GROUND SURFACE TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

STATE OF ILLINOIS)
COUNTY OF CALHOUN) SS

THIS IS TO CERTIFY THAT I, GEORGE E. LOCKHART AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAS SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 27, TOWNSHIP 10 SOUTH, RANGE 2 WEST, OF THE THIRD PRINCIPAL MERIDIAN, CALHOUN COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED _____

GEORGE E. LOCKHART, PLS #2485
LICENSE RENEWAL DATE: 11/30/2006
NOTE: SIGNATURE AND DATE REVISED FOR ADDITION OF PARCELS 8027A51-TE AND 8027A54-TE TO THIS SHEET

PARCEL	BOOK/PAGE	DATE RECORDED
8027051	DEED BOOK 5 / 174	JUNE 9, 1923
8027065	DEED BOOK 5 / 117	MAY 28, 1923
8027052-TE	DEED BOOK 5 / 117	MAY 28, 1923
8027054-TE	PLAT BOOK 1 / 28	MAY 31, 1897
8027054-TE	DEED BOOK 5 / 165	JUNE 4, 1923
8027054-TE	MISC. REC. 10 / 344	SEPT. 15, 1959

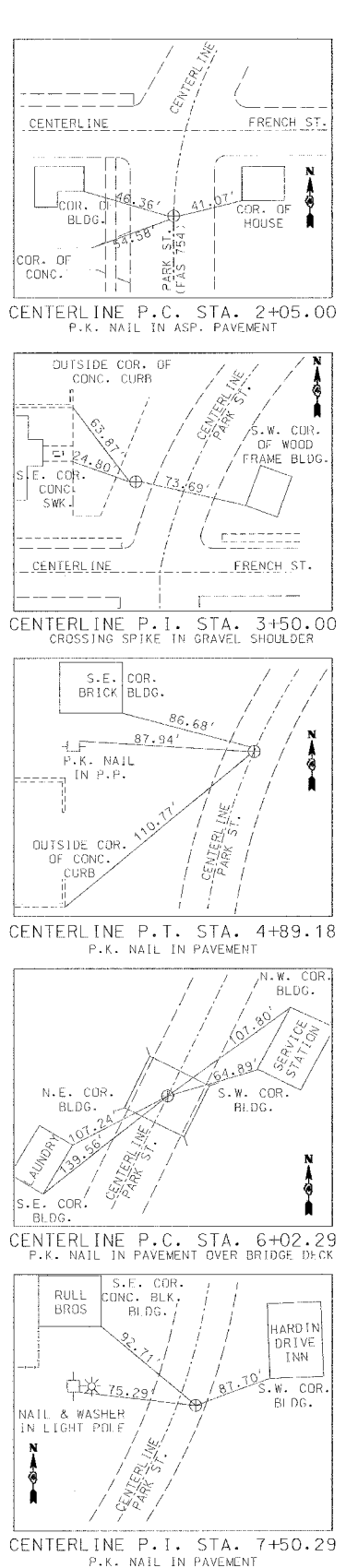
Benton & Associates, Inc.
Consulting Engineers / Land Surveyors
1970 West Lafayette Avenue, Jacksonville, Illinois 62850
Phone: 217-245-4146 Fax: 217-245-4149

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAT OF HIGHWAYS
FAP ROUTE 754 (Park St.-Hardin)
SECTION 4RS-2, 4BR
CALHOUN COUNTY
JOB NO. R-98-027-00

STATION 3+16.70 TO STATION 5+97.13

SCALE: 1" = 30'

ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS/DISTRICT 6
1102 EASTPORT PLAZA DRIVE
COLLINGSVILLE, ILLINOIS 62234-6198



PARCEL NO.	OWNER	TOTAL HOLDING	R.O.W. REQUIRED	PREVIOUSLY DEDICATED	REMAINDER	EASEMENTS TEMP	EASEMENTS PERM	EASEMENT PURPOSE	PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY
8027051	CARROLLTON BANK & TRUST COMPANY OF CARROLLTON, ILLINOIS, AS TRUSTEE UNDER A TRUST AGREEMENT DATED THE 22nd DAY OF DEC. 1992, KNOWN AS TRUST #25-0492-2, TITLE REPORT NO. CN-172	0.1751 AC ± (7,626 S.F. ±)	0.0096 AC ± (418 S.F. ±)	N/A	0.1655 AC ± (7,208 S.F. ±)				08-27-201-124	
8027052-TE	CHARLES BURCH TITLE REPORT NO. CN-201	0.2755 AC ± (12,000 S.F. ±)		N/A	0.2755 AC ± (12,000 S.F. ±)	0.0116 AC ± (507 S.F. ±)		CHANNEL GRADING AT PROPOSED BRIDGE	06-08-27-201-123	
8027054-TE	BANK OF KAMPSVILLE, AN ILLINOIS BANKING CORPORATION TITLE REPORT NO. CN-173	0.4718 AC (20,550 S.F. ±)		N/A	0.4718 AC (20,550 S.F. ±)	0.0248 AC ± (1,080 S.F. ±)		ENTRANCE CONSTRUCTION AND WORK AREA	08-27-201-503	
8027065	CARROLLTON BANK & TRUST COMPANY OF CARROLLTON, ILLINOIS, AS TRUSTEE UNDER A TRUST AGREEMENT DATED THE 22nd DAY OF DEC. 1992, KNOWN AS TRUST #25-0492-2, TITLE REPORT NO. CN-172	0.0075 AC ± (328 S.F. ±)	0.0075 AC ± (328 S.F. ±)	N/A	0.0000 AC				08-27-201-124	
8027A51-TE	CARROLLTON BANK & TRUST COMPANY OF CARROLLTON, ILLINOIS, AS TRUSTEE UNDER A TRUST AGREEMENT DATED THE 22nd DAY OF DEC. 1992, KNOWN AS TRUST #25-0492-2, TITLE REPORT NO. CN-213	0.1655 AC ± (7,208 S.F. ±)		N/A	0.1655 AC ± (7,208 S.F. ±)	0.0036 AC ± (158 S.F. ±)		ENTRANCE CONSTRUCTION AND WORK AREA	08-27-201-124	
8027A54-TE	BANK OF KAMPSVILLE, AN ILLINOIS BANKING CORPORATION TITLE REPORT NO. CN-214	0.4718 AC (20,550 S.F. ±)		N/A	0.4718 AC (20,550 S.F. ±)	0.0591 AC ± (2,614 S.F. ±)		ENTRANCE CONSTRUCTION AND WORK AREA	08-27-201-503	

* - NOTE: THIS TOTAL HOLDING IS FOR ALL OF LOTS 5 & 6 AS PER TITLE COMMITMENT. ACTUAL USABLE AREA OUTSIDE OF EXISTING RIGHT-OF-WAY LINES IS 0.1254 AC ± (5,641 S.F. ±)

COORDINATES SHOWN HEREON ARE BASED ON SURVEY CONTROL DATA AS PROVIDED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION.

STATION	OFFSET	NORTH	EAST	DESC.
0+52.50	0	907,119.042	2,168,710.438	PROJECT BEGIN
2+05.00	0	907,271.088	2,168,722.186	P. C.
3+18.67	30.00' RT	907,374.751	2,168,770.843	PROPOSED R.O.W.
3+50.00	17.84' LT	907,415.657	2,168,733.358	P. I.
3+79.96	30.00' RT	907,429.787	2,168,789.439	PROPOSED R.O.W.
4+12.17	46.54' LT	907,490.043	2,168,732.074	TEMP. ESMT.
4+18.05	30.00' RT	907,488.682	2,168,749.712	TEMP. ESMT.
4+41.48	30.00' LT	907,510.709	2,168,760.750	TEMP. ESMT.
4+49.37	63.25' LT	907,535.913	2,168,735.460	TEMP. ESMT.
4+59.72	38.71' LT	907,531.835	2,168,762.380	TEMP. LSMT.
4+89.18	0	907,537.974	2,168,811.227	P. I.
5+67.58	73.52' RT	907,564.628	2,168,915.353	PROPOSED R.O.W.
5+67.60	90.00' RT	907,565.738	2,168,929.265	TEMP. ESMT.
5+85.94	64.80' RT	907,583.114	2,168,916.780	PROPOSED R.O.W.
5+97.13	90.00' RT	907,580.707	2,168,945.119	TEMP. ESMT.
6+02.29	0	907,633.389	2,168,871.970	P. C.
7+50.29	6.98' RT	907,758.237	2,168,951.451	P. I.

PART OF THE NE 1/4 OF SECTION 27, T.10S., R.2W., OF THE 4TH PM, CALHOUN COUNTY, ILLINOIS

FAS NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
754	4RS-2, 4BR	CALHOUN	87	27

CONTRACT NO. 76269

LEGEND

- EXISTING CENTERLINE
- EXISTING RIGHT OF WAY LINE
- EXISTING EASEMENT LINE
- PROPOSED CENTERLINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED TEMPORARY EASEMENT LINE
- PROPOSED PERMANENT EASEMENT LINE
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER QUARTER SECTION LINE
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- 121.45 MEASURED DIMENSION
- 123.45 (COMP) COMPUTED DIMENSION
- (123.45) RECORDED DIMENSION
- FOUND IRON PIPE OR IRON ROD
- SET 1/8 INCH IRON ROD
- PERMANENT SURVEY MONUMENT, I.D.O.T. STD. 2135 (TO BE SET BY OTHERS)
- SET DRILL HOLE IN CONC. SWK.
- SAME OWNERSHIP
- FOUND R/W MONUMENT

- STAKING OF PROPOSED RIGHT OF WAY. SET 1/8 INCH METAL ROD WITH DIVISION OF HIGHWAY SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. SET 1/8 INCH METAL ROD WITH DIVISION OF HIGHWAY SURVEY MARKER 20 INCHES BELOW GROUND SURFACE TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

STATE OF ILLINOIS)
COUNTY OF CALHOUN) SS

THIS IS TO CERTIFY THAT I, GEORGE E. LOCKHART AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAS SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 27, TOWNSHIP 10 SOUTH, RANGE 2 WEST, OF THE THIRD PRINCIPAL MERIDIAN, CALHOUN COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RE-TRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED _____
GEORGE E. LOCKHART, PLS #2485
LICENSE RENEWAL DATE: 11/30/2002

Benton & Associates, Inc.
Consulting Engineers / Land Surveyors
1970 West Lafayette Avenue Jacksonville, Illinois 62650
Phone : 217-245-4166 Fax : 217-245-4169

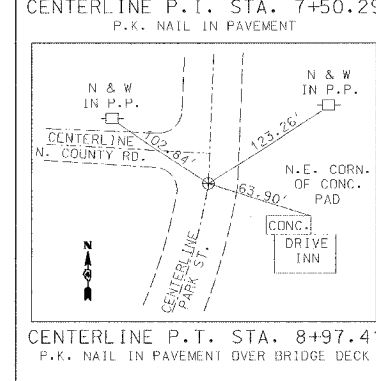
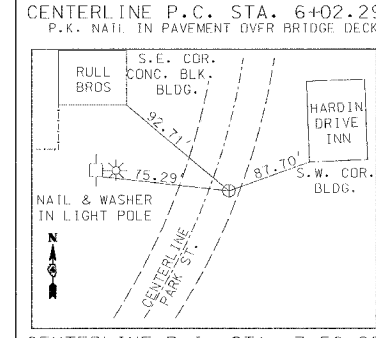
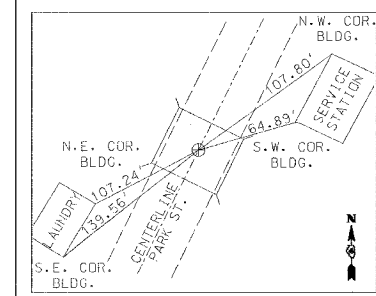
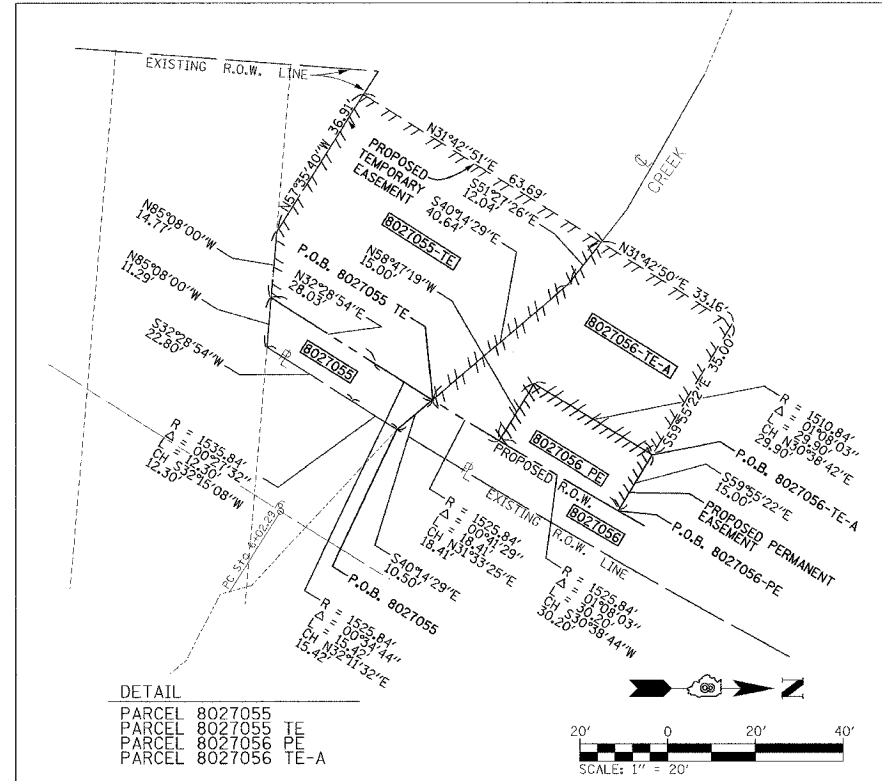
ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAT OF HIGHWAYS
FAP ROUTE 754 (Park St.-Hardin)
SECTION 4RS-2, 4BR
CALHOUN COUNTY
JOB NO. R-98-027-00

STATION 5+67.370 TO STATION 8+76.91
30' 0 30' 60'
SCALE: 1" = 30'

ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS/DISTRICT 8
1102 EASTPORT PLAZA DRIVE
COLLINGSVILLE, ILLINOIS 62234-6198

CURVE CL-2
P.I. STA= 7+50.29
Δ= 10° 47' 56"
D= 0.3° 39' 33"
R= 1565.840
T= 148.000
L= 295.120
E= 6.980
P.C. STA= 6+02.29
P.T. STA= 8+97.41

BEARING COURSES FOR PARCELS 8027055, 8027055-TE, 8027056-PE & 8027056-TE-A ARE SHOWN ON DETAIL AT THE UPPER-LEFT CORNER OF THIS SHEET.



COORDINATES SHOWN HEREON ARE BASED ON SURVEY CONTROL DATA AS PROVIDED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION.

STATION	OFFSET	NORTH	EAST	DESC.
5+67.37	90.00' LT	907.652.262	2,168,777.295	TEMP. ESMT.
5+67.42	53.09' LT	907.632.481	2,168,808.458	TEMP. FSMT.
5+74.26	40.00' LT	907.631.227	2,168,823.176	PROPOSED R.O.W.
6+02.29	40.00' LT	907.694.870	2,168,838.228	PROPOSED R.O.W.
6+02.29	0	907.633.389	2,168,871.970	P.C.
6+37.00	40.00' LT	907.683.603	2,168,856.076	PERM. LSMT.
6+37.00	55.00' LT	907.691.376	2,168,843.264	PERM. ESMT.
6+46.44	104.24' RT	907.617.481	2,168,984.624	PROPOSED R.O.W.
6+68.00	40.00' LT	907.709.590	2,168,871.472	PERM. ESMT.
6+68.00	55.00' LT	907.717.107	2,168,858.491	PERM. FSMT.
6+68.00	90.00' LT	907.734.647	2,168,828.205	TEMP. ESMT.
6+99.88	71.84' RT	907.682.555	2,168,984.669	PROPOSED R.O.W.
7+03.75	80.98' RT	907.681.706	2,168,994.633	PROPOSED R.O.W.
7+29.38	55.00' LT	907.768.925	2,168,887.180	TEMP. LSMT.
7+50.29	6.98' RT	907.758.237	2,168,951.451	P.I.
7+65.49	48.57' RT	907.753.696	2,168,995.755	PROPOSED R.O.W.
7+72.57	67.18' RT	907.751.999	2,169,015.683	EXISTING R.O.W.
7+98.35	83.13' LT	907.840.461	2,168,891.496	TEMP. ESMT.
8+09.98	55.08' LT	907.838.635	2,168,921.614	TEMP. ESMT.
8+60.33	40.00' LT	907.877.127	2,168,955.216	PROPOSED R.O.W.
8+61.22	73.43' LT	907.890.993	2,168,924.786	PROPOSED R.O.W.
8+97.41	0	907.895.765	2,169,006.132	P.T.

PARCEL NO.	OWNER	TOTAL HOLDING	R.O.W. REQUIRED	PREVIOUSLY DEDICATED	REMAINDER	EASEMENTS		EASEMENT PURPOSE	PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY
						TEMP	PERM			
8027053	ROGER L. GRESS TITLE REPORT NO. CN-171	0.1568 AC± (6,830 S.F.±)	0.1568 AC± (6,830 S.F.±)	N/A	0.0000 AC± (0 S.F.±)				08-27-201-134	
8027055	MICHAEL A. BLASA TITLE REPORT NO. CN-175	0.5984 AC± (26,068 S.F.±)	0.0090 AC± (393 S.F.±)	N/A	0.5894 AC± (25,675 S.F.±)	0.0659 AC± (2,872 S.F.±)		CHANNEL GRADING AT PROPOSED BRIDGE	08-27-201-511	
8027056	STANLEY P. RULL & STEVEN M. RULL TITLE REPORT NO. CN-169 & CN-170	0.7346 AC± (31,997 S.F.±)	0.0629 AC± (2,742 S.F.±)	N/A	0.6717 AC± (29,255 S.F.±)		0.0103 AC± (451 S.F.±)	STORM SEWER CONSTRUCTION AND MAINTENANCE CHANNEL GRADING AT PROPOSED BRIDGE ENTRANCE CONSTRUCTION AND WORK AREA	08-27-201-133 08-27-201-133A	

EXISTING R.O.W. RECORDED INFORMATION		
PARCEL	BOOK/PAGE	DATE RECORDED
8027053	DEED BOOK 5/117	MAY 28,1923
8027055	DEED BOOK 5/117	MAY 28,1923
8027055-TE	DEED BOOK 5/117	MAY 28,1923
8027056	DEED BOOK 5/117	MAY 28,1923
8027056	DEED BOOK 5/208	JULY 16,1923
8027056-TE	DEED BOOK 5/117	MAY 28,1923
8025056-TE-A	DEED BOOK 5/117	MAY 28,1923
8027056-TE-B	DEED BOOK 5/117	MAY 28,1923
8027056-TE-B	DEED BOOK 5/208	JULY 16,1923

PART OF THE NE 1/4 OF SECTION 27, T.10S., R.2W., OF THE 4TH PM, CALHOUN COUNTY, ILLINOIS

PAR. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
754	4RS-2, 4BR	CALHOUN	87	28

BEARINGS SHOWN HEREON ARE BASED ON SURVEY CONTROL DATA AS PROVIDED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION.

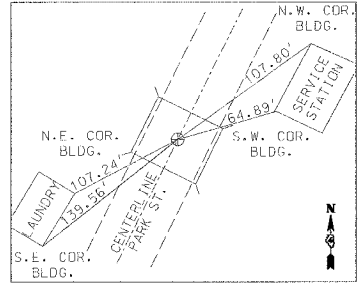
CONTRACT NO. 76269

BEARING COURSES FOR PARCELS 8027059 & 8027060

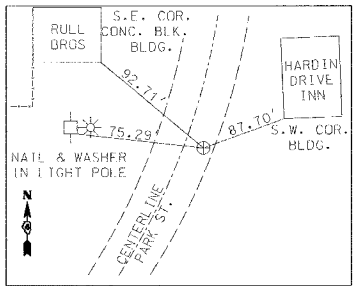
8027059		
1	S08°51'27"W	50.00'
2	S84°52'06"E	10.02'
3	N08°51'27"E	50.00'
4	N84°52'06"W	10.02'
8027060		
5	N08°51'27"E	43.77'
6	N21°40'58"E	6.23'
7	S84°52'06"E	10.43'
8	S21°40'58"W	8.08'
9	S08°51'27"W	41.99'
10	N84°52'06"W	10.02'

LEGEND

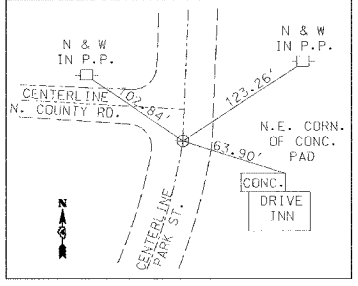
- EXISTING CENTERLINE
- EXISTING RIGHT OF WAY LINE
- EXISTING EASEMENT LINE
- PROPOSED CENTERLINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED TEMPORARY EASEMENT LINE
- PROPOSED PERMANENT EASEMENT LINE
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER QUARTER SECTION LINE
- PROPERTY (DEED) LINE
- APL APPARENT PROPERTY LINE
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORDED DIMENSION
- FOUND IRON PIPE OR IRON ROD
- SET 3/8 INCH IRON ROD
- PERMANENT SURVEY MONUMENT, I.D.O.T. STD. 2135 (TO BE SET BY OTHERS)
- SET DRILL HOLE IN CONC. SWK.
- SAME OWNERSHIP
- FOUND R/W MONUMENT



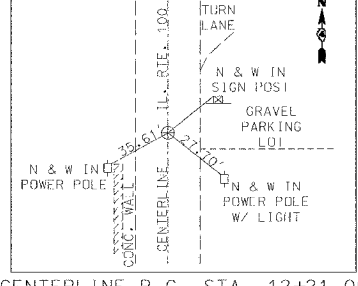
CENTERLINE P.C. STA. 6+02.29
P.K. NAIL IN PAVEMENT OVER BRIDGE DECK



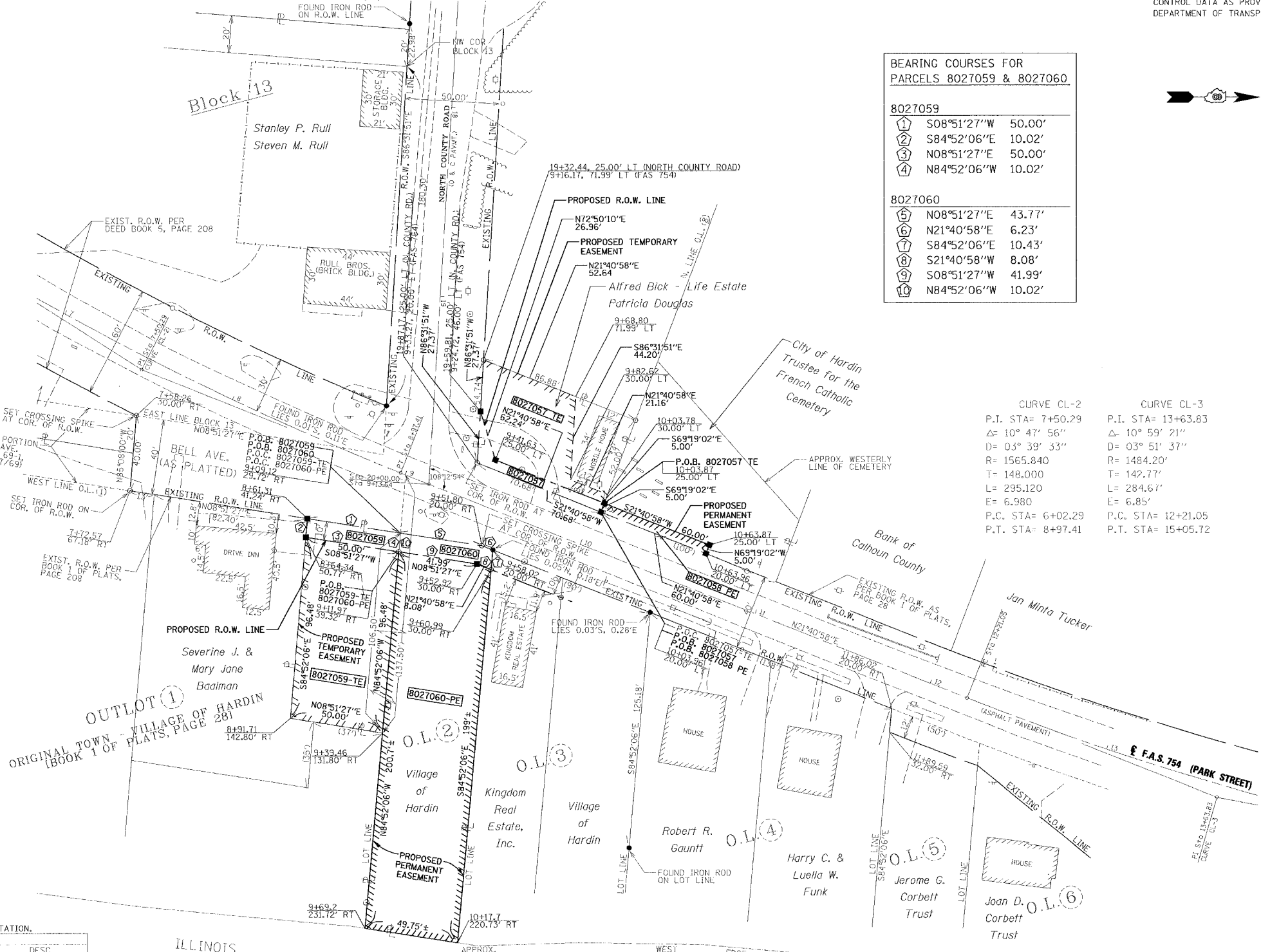
CENTERLINE P.I. STA. 7+50.29
P.K. NAIL IN PAVEMENT



CENTERLINE P.T. STA. 8+97.41
P.K. NAIL IN PAVEMENT OVER BRIDGE DECK



CENTERLINE P.C. STA. 12+21.05
P.K. NAIL IN PAVEMENT



CURVE CL-2
P.I. STA= 7+50.29
Δ= 10° 47' 56"
D= 03° 39' 33"
R= 1565.840
T= 148.000
L= 295.120
E= 6.980
P.C. STA= 6+02.29
P.T. STA= 8+97.41

CURVE CL-3
P.I. STA= 13+63.83
Δ= 10° 59' 21"
D= 03° 51' 37"
R= 1484.20'
T= 142.77'
L= 284.61'
E= 6.85'
P.C. STA= 12+21.05
P.T. STA= 15+05.72

COORDINATES SHOWN HEREON ARE BASED ON SURVEY CONTROL DATA AS PROVIDED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION.

STATION	OFFSET	NORTH	EAST	DESC.
6+02.29	0	907,633.389	2,168,871.970	P.C.
7+50.29	6.98' RT	907,758.237	2,168,951.451	P.I.
8+61.31	41.24' RT	907,846.261	2,169,030.372	PROPOSED R.O.W.
8+64.34	50.77' RT	907,845.365	2,169,040.353	PROPOSED R.O.W.
8+91.71	142.80' RT	907,836.736	2,169,136.445	TEMP. ESMT.
8+97.41	0	907,895.765	2,169,006.132	P.T.
9+16.17	71.99' LT	907,939.790	2,168,946.163	TEMP. ESMT.
9+24.72	46.00' LT	907,938.134	2,168,973.487	PROPOSED R.O.W.
9+39.46	131.80' RT	907,886.139	2,169,144.144	TEMP. ESMT.
9+41.63	25.00' LT	907,946.089	2,168,999.238	PROPOSED R.O.W.
9+52.92	30.00' RT	907,936.262	2,169,054.518	PROPOSED R.O.W.
9+60.99	30.00' RT	907,943.765	2,169,057.502	PERM. ESMT.
9+68.80	71.99' LT	907,988.702	2,168,965.614	TEMP. ESMT.
9+69.2	231.72' RT	907,876.817	2,169,247.964	PERM. ESMT.
9+82.62	30.00' LT	907,986.027	2,169,009.735	ILMP, LSMF.
10+03.78	30.00' LT	908,005.690	2,169,017.554	TEMP. ESMT.
10+03.87	25.00' LT	908,003.926	2,169,022.234	PROPOSED R.O.W.
10+03.96	20.00' LT	908,002.160	2,169,026.912	PROPOSED R.O.W.
10+17.7	220.73' RT	907,925.968	2,169,255.682	PERM. ESMT.
10+63.87	25.00' LT	908,059.681	2,169,044.403	PERM. ESMT.
10+63.96	20.00' LT	908,057.915	2,169,049.080	PERM. ESMT.
12+21.05	0	908,196.510	2,169,125.710	P.C.

PARCEL NO.	OWNER	TOTAL HOLDING	R.O.W. REQUIRED	PREVIOUSLY DEDICATED	REMAINDER	EASEMENTS TEMP	EASEMENTS PERM	EASEMENT PURPOSE	PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY
8027057	ALFRED BICK, AN UNMARRIED PERSON, A LIFE ESTATE WITH THE REMAINDER INTEREST IN PATRICIA DOUGLAS TITLE REPORT NO. CN-176	0.0940 AC± (4,096 S.F.±)	0.0106 AC± (462 S.F.±)	N/A	0.0834 AC± (3,634 S.F.±)	0.0567 AC± (2,470 S.F.±)		DRIVEWAY CONSTRUCTION AND WORK AREA	08-27-201-154	
8027058-PE	CITY OF HARDIN, AS TRUSTEE FOR THE FRENCH CATHOLIC CEMETERY TITLE REPORT NO. CN-176.01	UNKNOWN		N/A		0.0069 AC± (300 S.F.±)		CONSTRUCTION AND MAINTENANCE OF BACKSLOPE AND WORK AREA	NONE	
8027059	THE VILLAGE OF HARDIN, CALHOUN COUNTY, ILLINOIS, A MUNICIPAL CORPORATION TITLE REPORT NO. CN-168	0.1220 AC± (5,314 S.F.±)	0.0115 AC± (500 S.F.±)	N/A	0.1105 AC± (4,814 S.F.±)	0.1105 AC± (4,814 S.F.±)		GROUND SURFACE IMPROVEMENTS	08-27-201-144	
8027060	THE VILLAGE OF HARDIN, CALHOUN COUNTY, ILLINOIS, A MUNICIPAL CORPORATION TITLE REPORT NO. CN-167	0.2401 AC± (10,459 S.F.±)	0.0115 AC± (500 S.F.±)	N/A	0.2286 AC± (9,959 S.F.±)	0.2286 AC± (9,959 S.F.±)		STORM SEWER CONSTRUCTION AND MAINTENANCE	08-27-201-146	

EXISTING R.O.W. RECORDED INFORMATION

PARCEL	BOOK/PAGE	DATE RECORDED
8027057	PLAT BOOK 1 / 28	MAY 31, 1897
8027057-TF	PLAT BOOK 1 / 28	MAY 31, 1897
8027058-PE	PLAT BOOK 1 / 28	MAY 31, 1897
8027059	PLAT BOOK 1 / 28	MAY 31, 1897
8027059-TE	PLAT BOOK 1 / 28	MAY 31, 1897
8027060	PLAT BOOK 1 / 28	MAY 31, 1897
8027060-PE	PLAT BOOK 1 / 28	MAY 31, 1897

Benton & Associates, Inc.
Consulting Engineers / Land Surveyors
1970 West Lafayette Avenue, Jacksonville, Illinois 62650
Phone : 217-245-4146 Fax : 217-245-4149

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAT OF HIGHWAYS
FAP ROUTE 754 (Park St.-Hardin)
SECTION 4RS-2, 4BR
CALHOUN COUNTY
JOB NO. R-98-027-00

STATION 8+61.31 TO STATION 10+63.87
SCALE: 1" = 30'
SHEET 3 OF 4

ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS/DISTRICT 8
1102 EASTPORT PLAZA DRIVE
COLLINSVILLE, ILLINOIS 62234-6198

STATE OF ILLINOIS)
COUNTY OF CALHOUN) SS

THIS IS TO CERTIFY THAT I, GEORGE E. LOCKHART AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAS SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 27, TOWNSHIP 10 SOUTH, RANGE 2 WEST, OF THE THIRD PRINCIPAL MERIDIAN, CALHOUN COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED _____

GEORGE E. LOCKHART, PLS #2485
LICENSE RENEWAL DATE: 11/30/2002

PART OF THE NE 1/4 OF SECTION 27, T.10S., R.2W., OF THE 4TH PM, CALHOUN COUNTY, ILLINOIS

FAS. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
754	4RS-2, 4BR	CALHOUN	87	29
STA.	TO STA.			

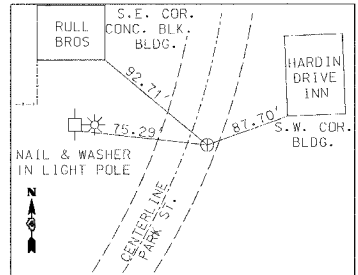
CONTRACT NO. 76269

LEGEND

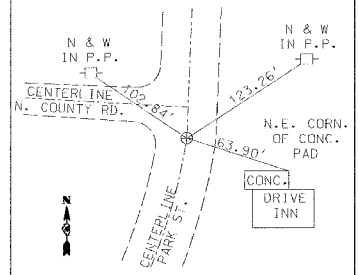
- EXISTING CENTERLINE
- EXISTING RIGHT OF WAY LINE
- EXISTING EASEMENT LINE
- PROPOSED CENTERLINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED TEMPORARY EASEMENT LINE
- PROPOSED PERMANENT EASEMENT LINE
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER QUARTER SECTION LINE
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORDED DIMENSION
- FOUND IRON PIPE OR IRON ROD
- SET 5/8 INCH IRON ROD
- PERMANENT SURVEY MONUMENT, I.D.O.T. STD. 2135
- (TO BE SET BY OTHERS)
- SET DRILL HOLE IN CONC. SWK.
- SAME OWNERSHIP
- FOUND R/W MONUMENT

CURVE CL-2
 P.I. STA= 7+50.29
 Δ= 10° 47' 56"
 D= 03° 39' 33"
 R= 1565.840
 T= 148.000
 L= 295.120
 E= 6.980
 P.C. STA= 6+02.29
 P.T. STA= 8+97.41

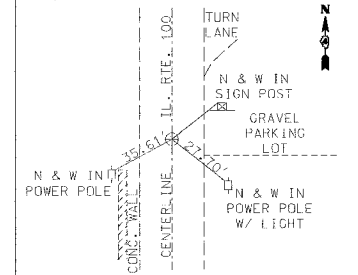
CURVE CL-3
 P.I. STA= 13+63.83
 Δ= 10° 59' 21"
 D= 03° 51' 37"
 R= 1484.20'
 T= 142.77'
 L= 284.67'
 E= 6.85'
 P.C. STA= 12+21.05
 P.T. STA= 15+05.72



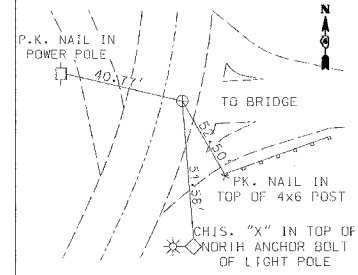
CENTERLINE P.I. STA. 7+50.29
P.K. NAIL IN PAVEMENT



CENTERLINE P.T. STA. 8+97.41
P.K. NAIL IN PAVEMENT OVER BRIDGE DECK



CENTERLINE P.C. STA. 12+21.05
P.K. NAIL IN PAVEMENT



CENTERLINE P.I. STA. 13+63.83
P.K. NAIL IN PAVEMENT



- STAKING OF PROPOSED RIGHT OF WAY. SET 5/8 INCH METAL ROD WITH DIVISION OF HIGHWAY SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. SET 5/8 INCH METAL ROD WITH DIVISION OF HIGHWAY SURVEY MARKER 20 INCHES BELOW GROUND SURFACE TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

STATE OF ILLINOIS)
) SS
 COUNTY OF CALHOUN)

THIS IS TO CERTIFY THAT I, GEORGE E. LOCKHART AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAS SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 27, TOWNSHIP 10 SOUTH, RANGE 2 WEST OF THE THIRD PRINCIPAL MERIDIAN, CALHOUN COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED _____
 GEORGE E. LOCKHART, PLS #2485
 LICENSE RENEWAL DATE: 11/30/2002

PARCEL NO.	OWNER	TOTAL HOLDING	R.O.W. REQUIRED	PREVIOUSLY DEDICATED	REMAINDER	EASEMENTS		EASEMENT PURPOSE	PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY
						TEMP	PERM			
8027061	KINGDOM REAL ESTATE, INC. TITLE REPORT NO. CN-166	0.1788 AC± (7,788 S.F.±)	0.0092 AC± (400 S.F.±)	N/A	0.1696 AC± (7,388 S.F.±)	0.0096 AC± (418 S.F.±)		CONSTRUCTION GRADING AND WORK AREA	08-27-201-148	
8027062	THE VILLAGE OF HARDIN, CALHOUN COUNTY, ILLINOIS, A MUNICIPAL CORPORATION TITLE REPORT NO. CN-165	0.2041 AC± (8,890 S.F.±)	0.0115 AC± (500 S.F.±)	N/A	0.1926 AC± (8,390 S.F.±)	0.1926 AC± (8,390 S.F.±)		CONSTRUCTION GRADING AND WORK AREA, AND GROUND SURFACE IMPROVEMENTS	08-27-201-149	
8027063	ROBERT R. GAUNTT TITLE REPORT NO. CN-164	0.2495 AC± (10,869 S.F.±)	0.0158 AC± (690 S.F.±)	N/A	0.2337 AC± (10,179 S.F.±)	0.0079 AC± (345 S.F.±)		BACK SLOPE GRADING AND WORK AREA	08-27-201-150	
8027064	HARRY C. FUNK & LUELLEA W. FUNK TITLE REPORT NO. CN-163	0.2179 AC± (9,490 S.F.±)	0.0158 AC± (690 S.F.±)	N/A	0.2021 AC± (8,800 S.F.±)	0.0079 AC± (345 S.F.±)		BACK SLOPE GRADING AND WORK AREA	08-27-201-151	

EXISTING R.O.W. RECORDED INFORMATION

PARCEL	BOOK/PAGE	DATE RECORDED
8027061	PLAT BOOK 1/28	MAY 31, 1897
8027061-TE	PLAT BOOK 1/28	MAY 31, 1897
8027062	PLAT BOOK 1/28	MAY 31, 1897
8027062-TE	PLAT BOOK 1/28	MAY 31, 1897
8027063	PLAT BOOK 1/28	MAY 31, 1897
8027063-TE	PLAT BOOK 1/28	MAY 31, 1897
8027064	PLAT BOOK 1/28	MAY 31, 1897
8027064-TE	PLAT BOOK 1/28	MAY 31, 1897

COORDINATES SHOWN HEREON ARE BASED ON SURVEY CONTROL DATA AS PROVIDED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION.

STATION	OFFSET	COORDINATE TABLE		DESC.
		NORTH	EAST	
7+50.29	6.98' RT	907,758.237	2,168,951.451	P. I.
8+97.41	0	907,895.765	2,169,006.132	P. T.
9+60.99	30.00' RT	907,943.765	2,169,057.502	PROPOSED R.O.W.
9+65.73	45.92' RT	907,942.280	2,169,074.046	TEMP. ESMT.
10+02.48	35.00' RT	907,980.469	2,169,077.476	TEMP. ESMT.
10+52.48	35.00' RT	908,026.931	2,169,095.949	TEMP. ESMT.
10+53.7	207.2' RT	907,964.396	2,169,256.446	TEMP. ESMT.
10+98.2	189' RT	908,012.562	2,169,255.954	TEMP. ESMT.
11+21.48	35.00' RT	908,091.049	2,169,121.442	TEMP. ESMT.
11+88.99	30.00' RT	908,155.633	2,169,141.740	PROPOSED R.O.W.
11+90.48	35.00' RT	908,155.166	2,169,146.935	TEMP. ESMT.
12+21.05	0	908,196.510	2,169,125.710	P. C.
12+90.00	0	908,261.145	2,169,149.681	END PROJECT

Benton & Associates, Inc.
 Consulting Engineers/ Land Surveyors
 1970 West Lafayette Avenue Jacksonville, Illinois 62590
 Phone : 217-245-4146 Fax : 217-245-4149

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAT OF HIGHWAYS
 FAP ROUTE 754 (Park St.-Hardin)
 SECTION 4RS-2, 4BR
 CALHOUN COUNTY
 JOB NO. R-98-027-00

STATION 9+58.02 TO STATION 11+90.48
 SCALE: 1" = 30' SHEET 4 OF 4

ILLINOIS DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS/DISTRICT 8
 1102 EASTPORT PLAZA DRIVE
 COLLINGSVILLE, ILLINOIS 62234-6198

FAS ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
754	4RS-2, 4BR	CALHOUN	87	50
STA. _____ TO STA. _____		EXISTING CONDITIONS:		
CONTRACT NO. 76269				

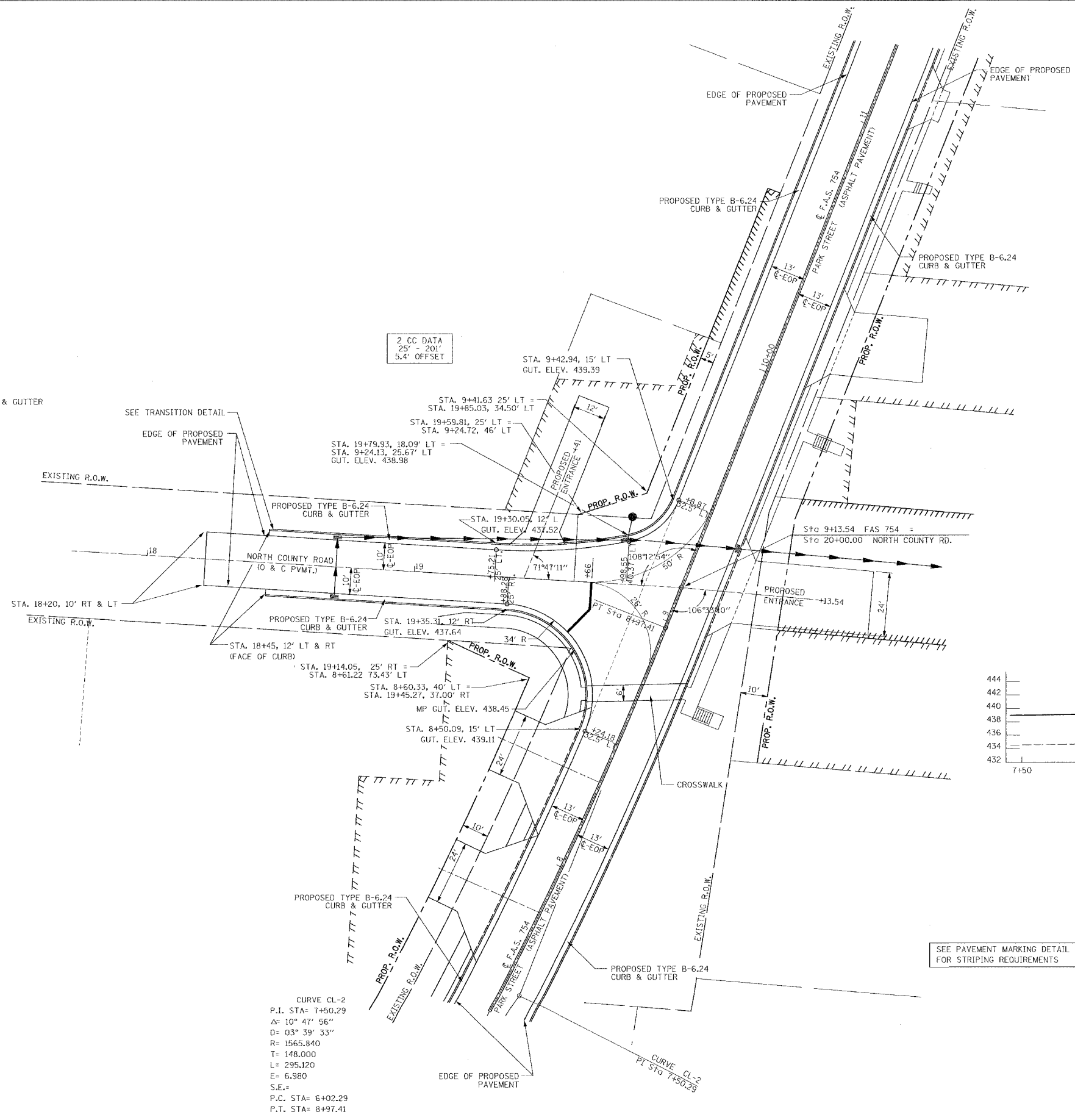
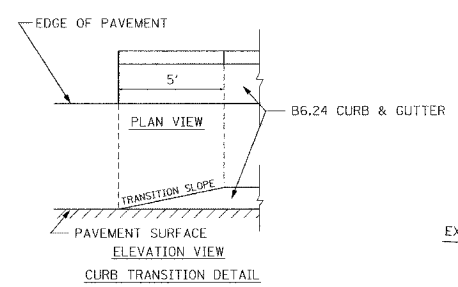


ELEMENTS CONTROLLING DESIGN

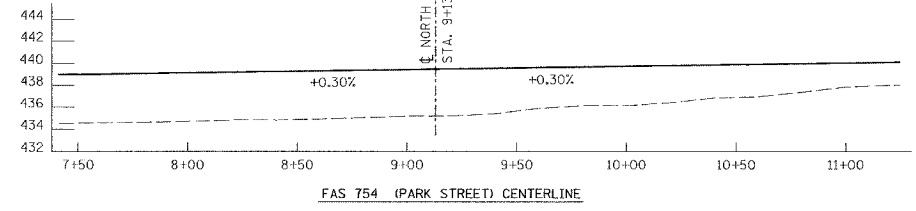
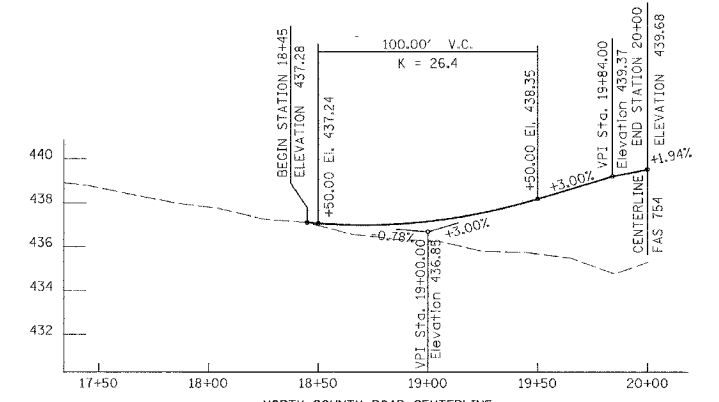
- DESIGN DESIGNATION FAS 754 (PARK STREET), MAJOR COLLECTOR NORTH COUNTY ROAD, LOCAL ROAD, ADT 4900 (2002) 6000 (2022)
- FAS 754 (PARK STREET) IS THE PREFERENCE ROUTE
- TRAFFIC CONTROL TO BE STOP SIGN ON NORTH COUNTY ROAD

GENERAL NOTES

- PROFILES ARE PROVIDED, SINCE APPROACH GRADES ARE GREATER THAN 1%
- TYPE B-6.24 CURB AND GUTTER TO BE USED ON OUTER EDGES OF PAVEMENT
- ALL DIMENSIONS ARE SHOWN F-F OF CURB, UNLESS SHOWN OTHERWISE
- PRIVATE AND COMMERCIAL ENTRANCES SHALL COMPLY WITH IDOT POLICY, "ACCESS TO STATE HIGHWAYS" AND DETAILS SHOWN ON THE PLANS
- PAVEMENT MARKING SHALL BE THERMOPLASTIC, WHERE APPLICABLE. PAVEMENT MARKING AND SIGNS SHALL BE IN ACCORDANCE WITH THE ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND IDOT PRACTICES, CURRENT EDITION.



2 CC DATA
25' - 20'
5.4' OFFSET



CURVE CL-2
P.I. STA= 7+50.29
Δ= 10° 47' 56"
D= 03° 39' 33"
R= 1565.840
T= 148.000
L= 295.120
E= 6.980
S.E.=
P.C. STA= 6+02.29
P.T. STA= 8+97.41

SEE PAVEMENT MARKING DETAIL SHEET FOR STRIPING REQUIREMENTS

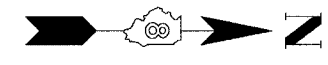
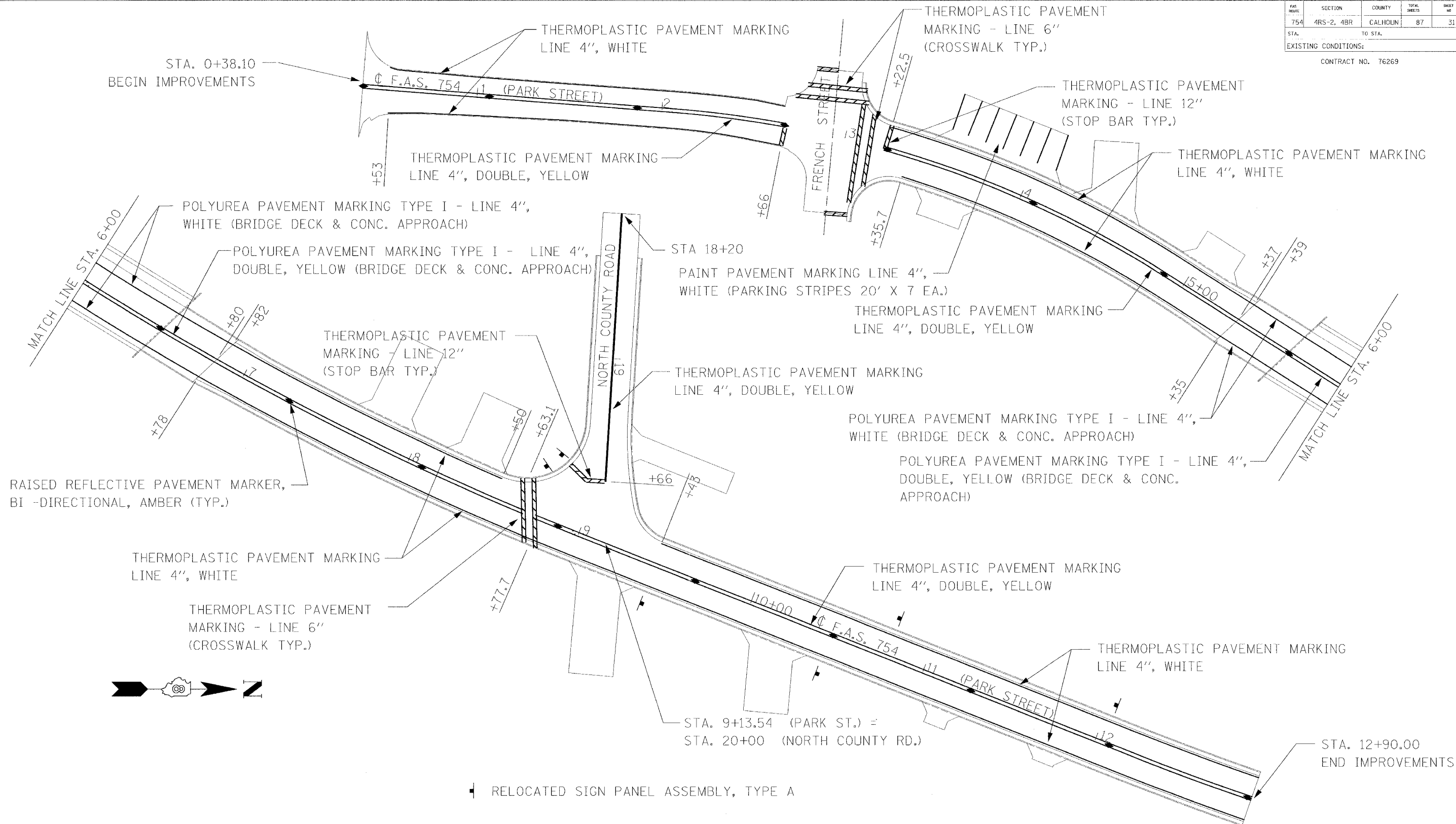
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
INTERSECTION DETAIL
FAS ROUTE 754 (PARK ST.)
SECTION 4RS-2, 4BR
CALHOUN COUNTY
DATE: MAY, 2003
DRAWN BY: WJS
CHECKED BY: MKC

FAS NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
754	4RS-2, 4BR	CALHOUN	87	31

STA. TO STA.
EXISTING CONDITIONS:

CONTRACT NO. 76269



REVISIONS	
NAME	DATE


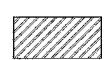
ILLINOIS DEPARTMENT OF TRANSPORTATION
PAVEMENT MARKING DETAIL

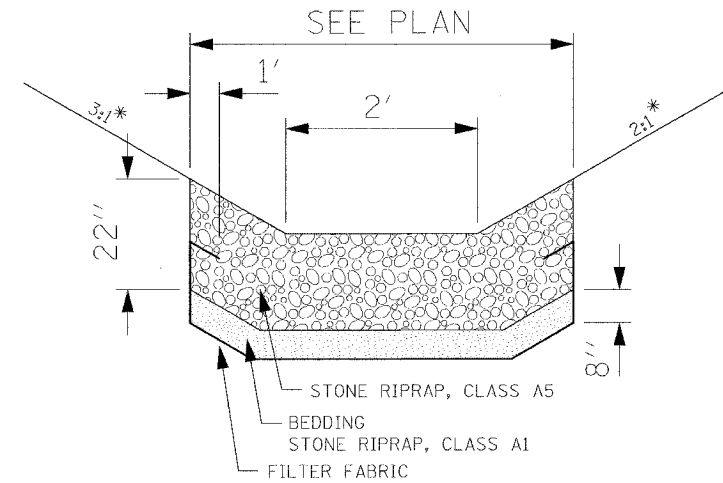
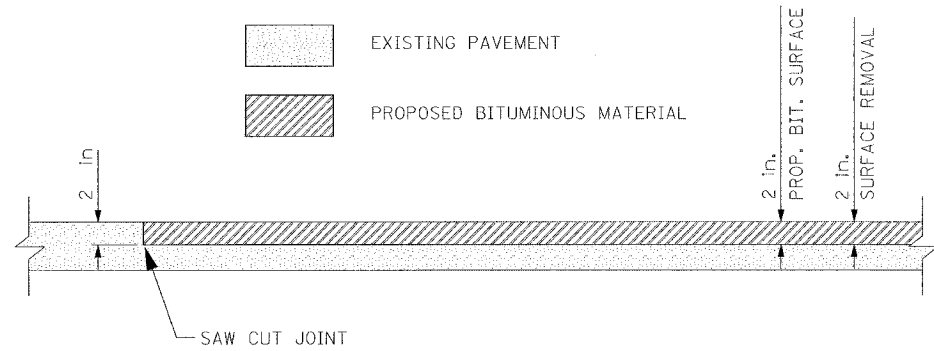
FAS ROUTE 754
SECTION 4RS-2, 4BR
CALHOUN COUNTY

DATE BY: MAY, 2004
DRAWN BY: WJS
CHECKED BY: LQ

PAVEMENT JOINT DETAIL

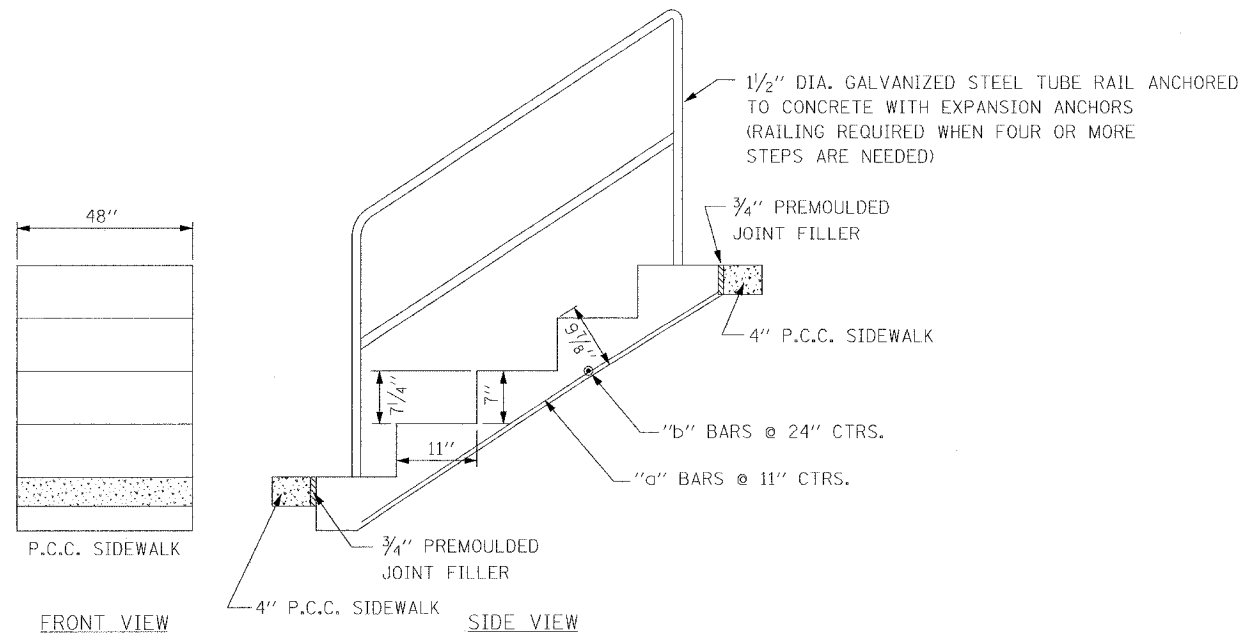
STA. 0+38.10 (FAS 754, PARK ST.) TO
STA. 2+93 LT (FAS 754, PARK ST. AT FRENCH STREET)
STA. 2+93 RT (FAS 754, PARK ST. AT FRENCH STREET)

 EXISTING PAVEMENT
 PROPOSED BITUMINOUS MATERIAL



* SLOPE RATIOS VARY, SEE CROSS SECTIONS

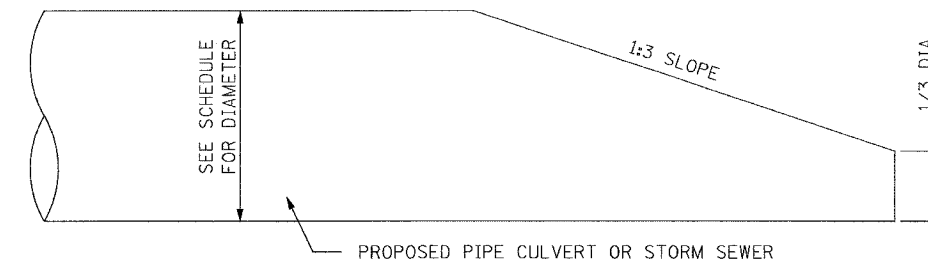
RIPRAP IN DITCH DETAIL



NO. OF STEPS	WIDTH (IN.)	CLASS "SI" CONCRETE CUBIC YARDS	#4 REINFORCEMENT BARS			PIPE HANDRAIL FT.
			BAR. NO.	LENGTH	POUNDS	
1	48	0.17	a	5	2'-0"	12
			b	2	3'-9"	
2	48	0.26	a	2	3'-0"	15
			b	2	3'-9"	
3	48	0.35	a	5	4'-0"	21
			b	3	3'-9"	
4*	48	0.44	a	5	5'-0"	24
			b	3	3'-9"	
5*	48	0.53	a	5	6'-0"	30
			b	4	3'-9"	
6*	48	0.62	a	5	7'-0"	33
			b	4	3'-9"	

* RAILING REQUIRED

CONCRETE STEP DETAIL



BEVELED END SECTION

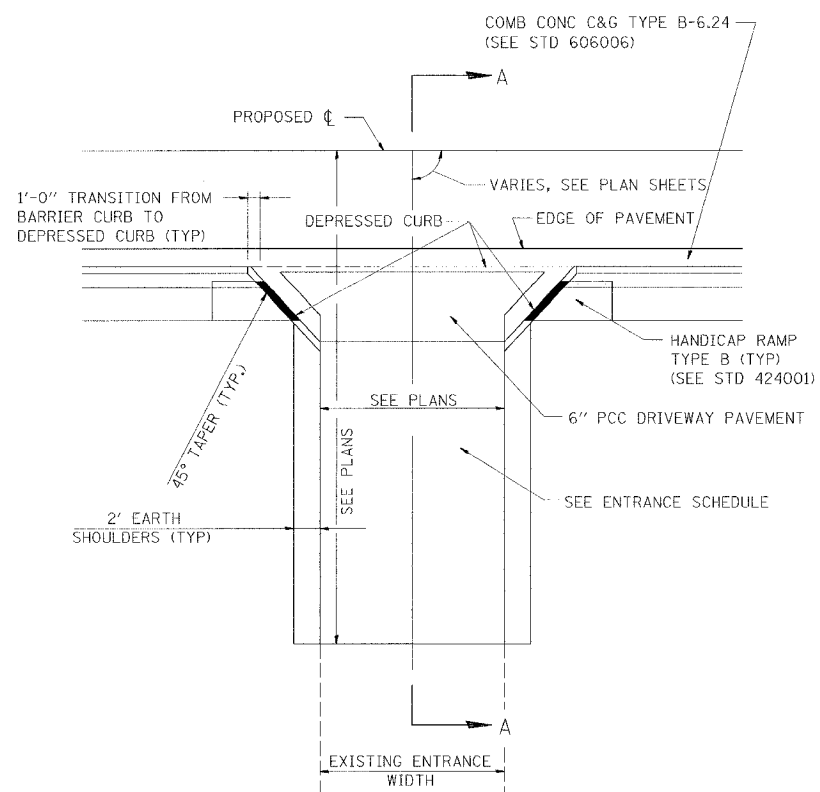
THE BEVELED END PORTION WILL BE PAID FOR AT THE SAME UNIT PRICE PER LINEAL FOOT AS THE PIPE CULVERT OR STORM SEWER

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
ROADWAY DETAILS
FAS ROUTE 754 (PARK ST.)
SECTION 4RS-2, 4BR
CALHOUN COUNTY

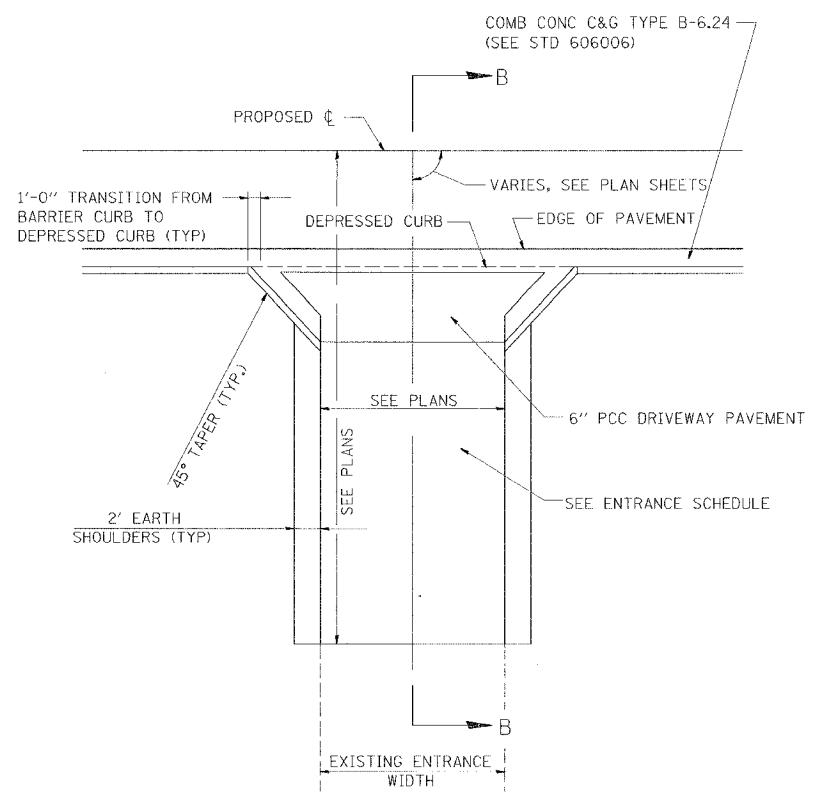
DATE: MAY, 2003

DRAWN BY: WJS
CHECKED BY: MKC



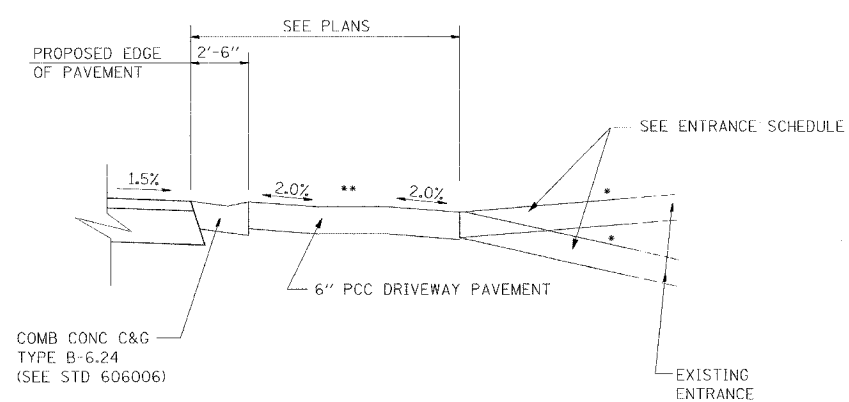
PLAN DETAIL

ENTRANCE WITH PCC SIDEWALK ADJACENT TO ROADWAY PAVEMENT WITH CONCRETE CURB & GUTTER TYPE B-6.24



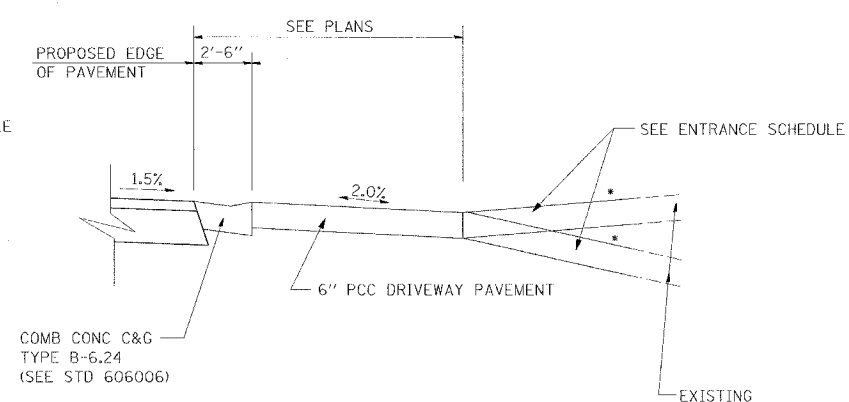
PLAN DETAIL

ENTRANCE ADJACENT TO ROADWAY PAVEMENT WITH CONCRETE CURB & GUTTER TYPE B-6.24



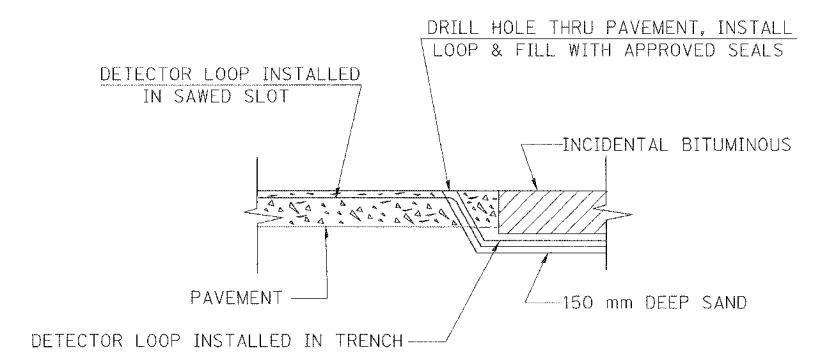
SECTION A-A

* SEE CROSS SECTIONS FOR SLOPE
** MATCH SIDEWALK SLOPE ACROSS ENTRANCE PER STANDARD 424001 MAX 2.0%



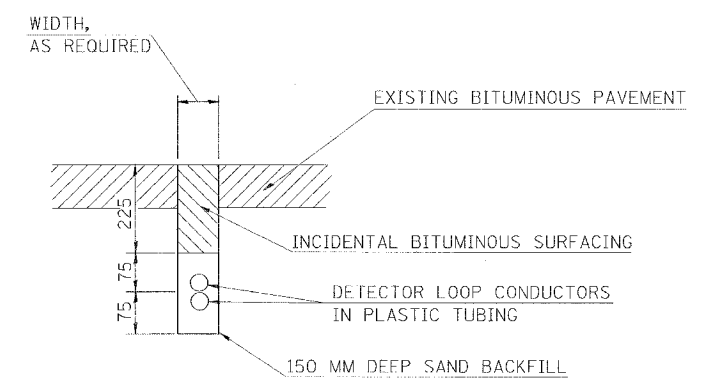
SECTION B-B

* SEE CROSS SECTIONS FOR SLOPE



NOTE:
DETECTOR LOOP INSTALLED IN SAWED SLOT AND TRENCH INCIDENTAL TO PAY ITEM "DETECTOR LOOP".

DETAIL
DETECTOR LOOP INSTALLED
IN SAWED SLOT AND TRENCH
(NO SCALE)



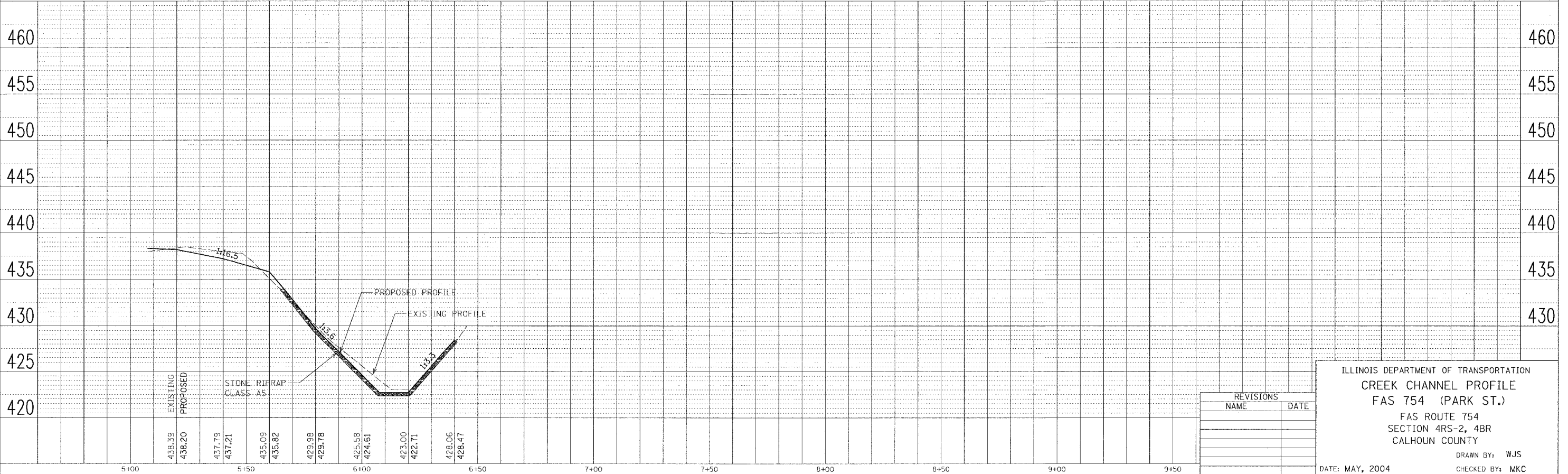
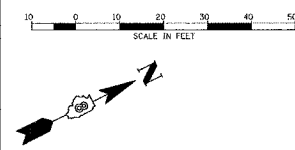
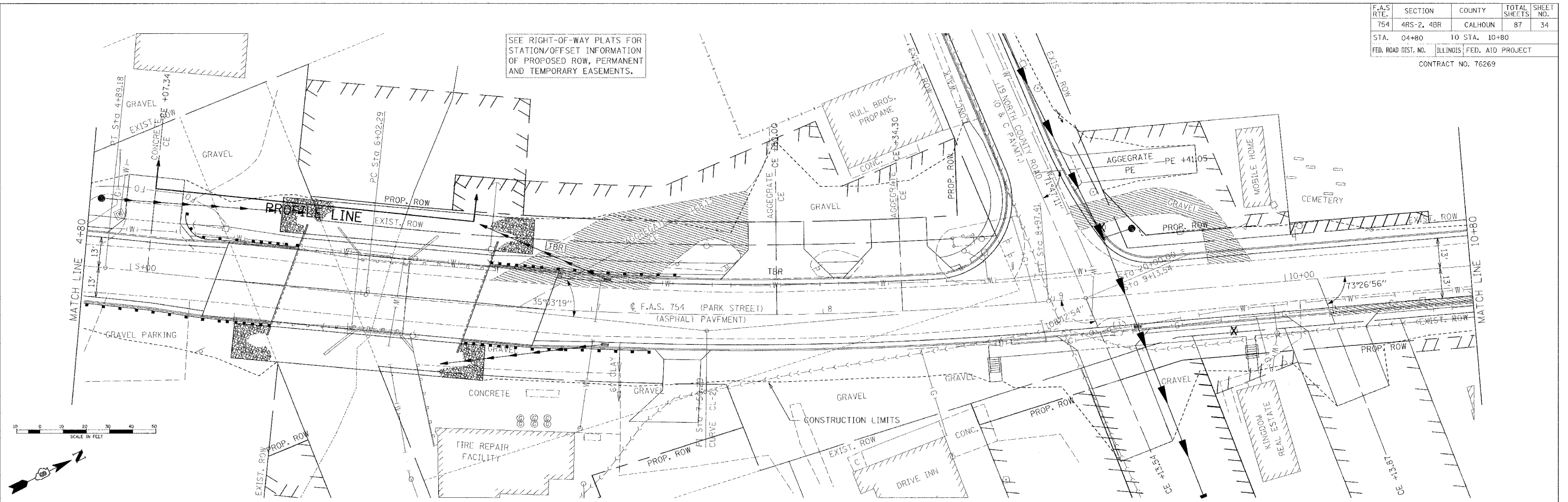
DETAIL
DETECTOR LOOP INSTALLED IN TRENCH

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
ENTRANCE DETAILS
FAS ROUTE 754 (PARK ST.)
SECTION 4RS-2, 4BR
CALHOUN COUNTY
DATE: SEPT., 2004
DRAWN BY: WJS
CHECKED BY: MKC

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
754	4RS-2, 4BR	CALHOUN	87	34
STA. 04+80	TO STA. 10+80			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
CONTRACT NO. 76269				

SEE RIGHT-OF-WAY PLATS FOR STATION/OFFSET INFORMATION OF PROPOSED ROW, PERMANENT AND TEMPORARY EASEMENTS.



EXISTING	PROPOSED
438.39	438.20
437.79	437.21
435.09	435.82
429.98	429.78
425.58	424.61
423.00	422.71
428.06	428.47

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 CREEK CHANNEL PROFILE
 FAS 754 (PARK ST.)
 FAS ROUTE 754
 SECTION 4RS-2, 4BR
 CALHOUN COUNTY
 DRAWN BY: WJS
 CHECKED BY: MKC
 DATE: MAY, 2004

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NOTES: (Cont.)

Calculated weight of M 270, Grade 36 = 1494 lbs.
Calculated weight of M 270, Grade 50 = 103,278 lbs.

The inorganic zinc rich primer/Acrylic/Acrylic Paint System shall be used for shop and field painting of new structural steel except where otherwise noted. The color of the final finish coat for all interior steel surfaces shall be gray, Munsell No. 5B 7/1. The color of final finish coat for exterior and bottom flange of the fascia beams shall be Gray, Munsell No. 5B 7/1. See Special Provision for "Cleaning and Painting New Metal Structures".

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Porous Granular Embankment (Special)	Cu Yd		150	150
Stone Riprap, Class A5	Sq Yd	758		758
Removal of Existing Structures	Each		1	1
Structure Excavation	Cu Yd		300	300
Floor Drains	Each	10		10
Concrete Structures	Cu Yd		35.2	35.2
Concrete Superstructure	Cu Yd	140.2		140.2
Bridge Deck Grooving	Sq Yd	277		277
Protective Coat	Sq Yd	434		434
Furnishing and Erecting Structural Steel	L Sum	1		1
Stud Shear Connectors	Each	2373		2373
Reinforcement Bars, Epoxy Coated	Pound	24820	4580	29400
Aluminum Railing, Type I	Foot	75		75
Furnishing Steel Piles HP12x53	Foot		510	510
Driving Steel Piles	Foot		510	510
Test Pile Steel HP12x53	Each		1	1
Metal Shoes	Each		11	11
Temporary Sheet Piling	Sq Ft		3050	3050
Name Plates	Each	1		1
Filter Fabric	Sq Yd	758		758
Bar Splicers	Each	313	20	333

WATERWAY INFORMATION

Drainage Area = 1,371 mi ²		Low Grade Elev. = 434.50 @ Sta. 7+10.00		Flood		Design		Base		Overtopping		Max. Calc.	
Freq.	0	Opening	Sq. Ft.	Nat.	Head-Ft.	Headwater El.	Yr.	C.F.S.	Exist.	Prop.	11.W.C.	Exist.	Prop.
50	2370	194	679	434.3	1.6	0.0	435.9	434.3					
100	2799	194	681	434.4	3.0	0.0	437.4	434.4					
3	600	194		434.3	0.2	--	434.5	--					
500	3869	194	690	434.5	5.7	0.1	440.2	434.6					

Note: 10-year Illinois River backwater of 434.3' used for starting water surface elevation.

INDEX OF SHEETS

General Plan	1
Stage Construction	2
Temporary Sheetpile Wall	3
Temporary Concrete Barrier for Stage Construction	4
Top of Slab Elevations	5 & 6
Superstructure	7
Superstructure Details	8
Superstructure Details II	9
Diaphragm Details	10
Type L Aluminum Railing	11
Framing Plan & Details	12
Anchor Bolt Details	13
North Abutment	14
South Abutment	15
Bar Splicer Detail	16
Soil Boring Logs	17 & 18
Detour Route SN 007-5012	19 & 20

GENERAL PLAN
PARK STREET OVER
AN UNNAMED CREEK
F.A.S. ROUTE 754
SECTION 4RS-2, 4BR
CALHOUN COUNTY
ROADWAY STATION 6+08.50
STRUCTURE NO. 007-0026

Benton & Associates, Inc.
Consulting Engineers / Land Surveyors
1970 West Lafayette Avenue Jacksonville, Illinois 62650
Phone : 217-245-4146 Fax : 217-245-4149
IL Design Firm Registration No. 184-000852

NOTES: (Cont.)

The main load carrying member components subject to tensile stress shall conform to the Supplemental Requirements for Notch Toughness Zone 2. These components are the wide flange beams.

Reinforcement bars shall conform to the requirements of AASHTO M31 or M322, Grade 60.

Layout of slope protection system may be varied in the field to suit ground conditions as directed by the Engineer.

The contractor shall drive 1 steel HP 12x53 test pile in a permanent location near the roadway centerline at the south abutment as directed by the Engineer before ordering the remainder of piles.

Excavation behind existing abutment walls shall be done before removing the existing superstructure. The Contractor shall sawcut the existing abutments at the stage removal line before Stage I removal.

The Contractor shall obtain a construction permit from the Illinois Department of Natural Resources (IDNR), Office of Water Resources for any temporary construction activity placed in water, except cofferdams. This shall include the placement of material for run-arounds, causeways, etc. Any permit application by the Contractor shall refer to the IDNR permit number DS2002105 which was issued for the permanent construction.

B.M. #9

Chisled "X" on flange bolt of fire hydrant, southwest corner of Park Street and French Street. Elevation = 444.23

B.M. #10

Chisled "X" on flange bolt of fire hydrant, southwest corner of Park Street and North County Road. Elevation = 437.29

EXISTING STRUCTURE:

Structure No. 007-0015 built in 1924 as F.A.S. ROUTE 754, SEC 4RS-2, 4BR single-span, reinforced concrete slab bridge on closed abutments with spread footings, 0° skew, 21'-0" back-to-back of abutments, 32'-2" out to out deck.

Road shall be kept open to one lane of traffic at all times by utilizing stage construction.

No salvage.

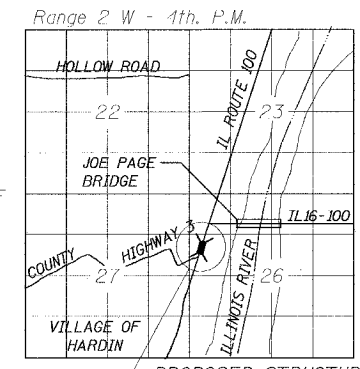
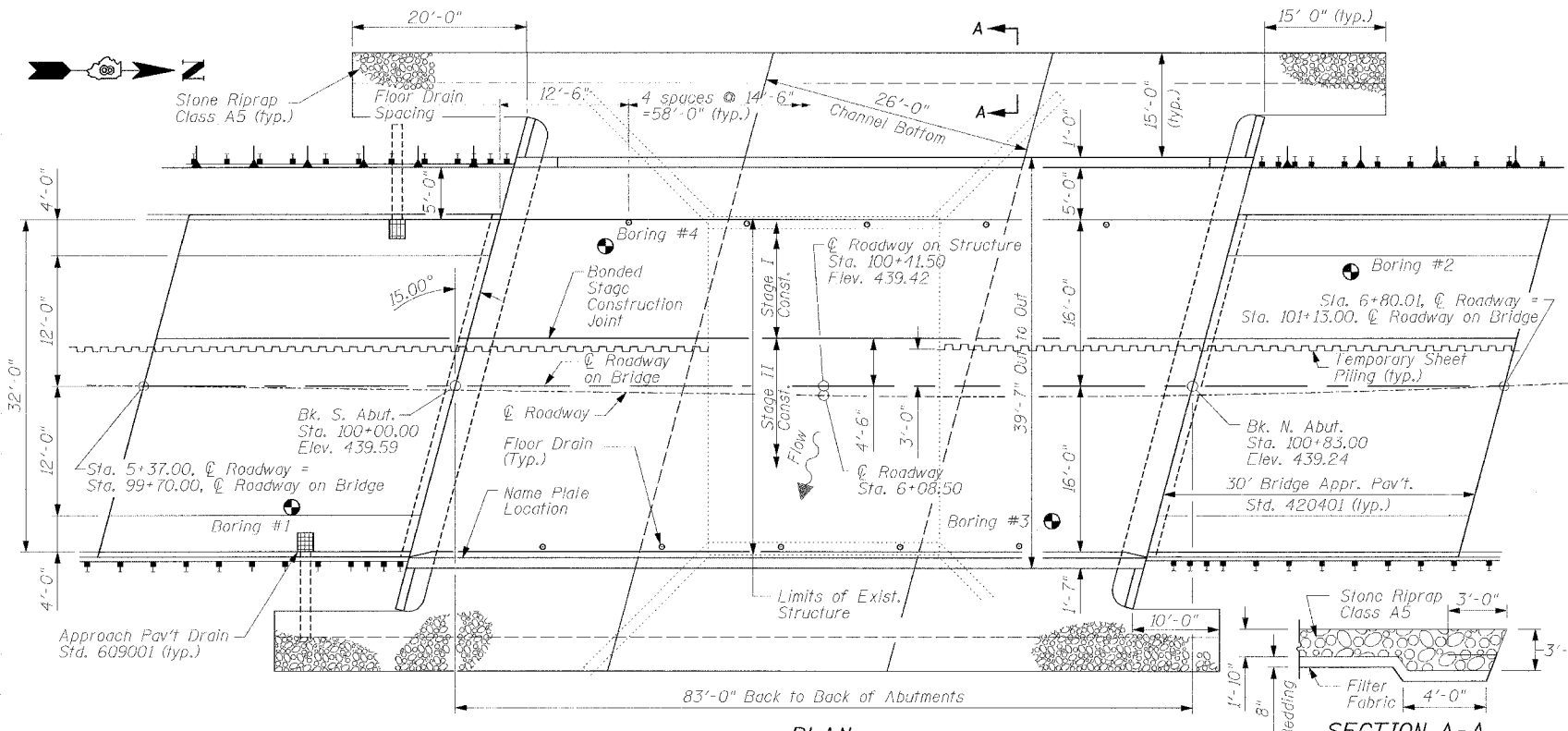
NOTES:

Deck drains shall be located clear of all diaphragms.

Field welding of construction accessories will not be permitted to beams or girders.

Fasteners shall be high strength bolts. Bolts shall be 3/4" dia., open holes 13/16" dia., unless noted otherwise.

All construction joints shall be bonded.



LOCATION SKETCH

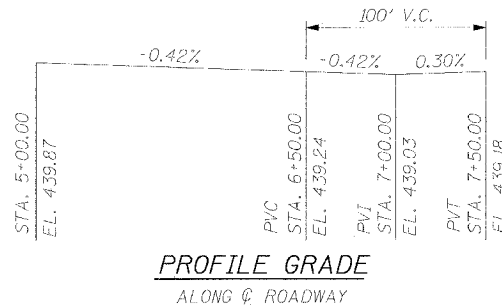
DESIGN SPECIFICATIONS
1996 AASHTO with 1997-2002 Interims

DESIGN STRESSES

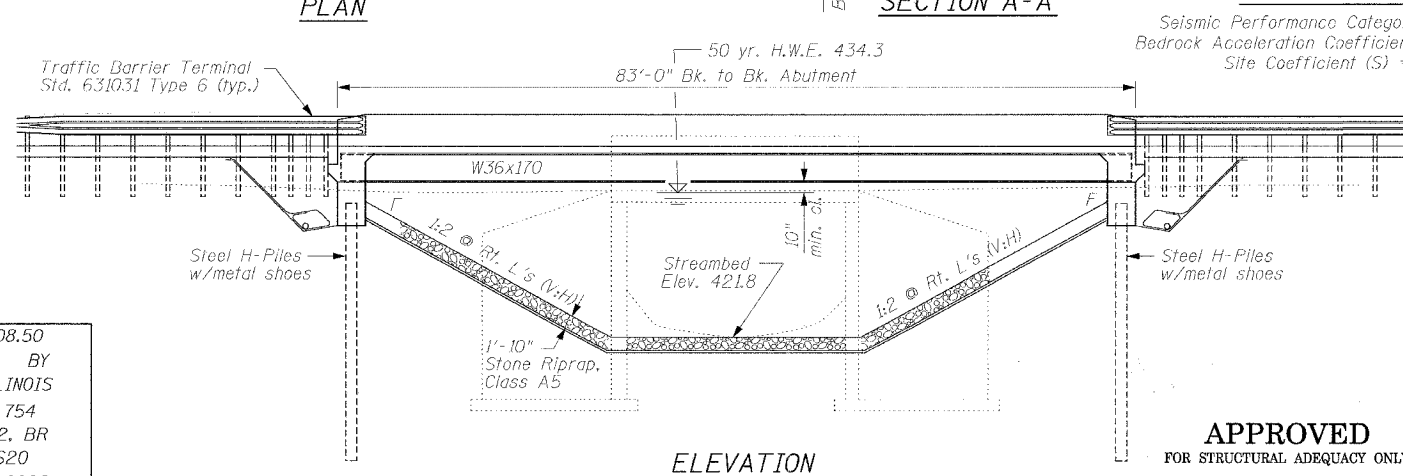
FIELD UNITS
f_c = 3,500 psi
f_y = 60,000 psi (reinforcement)
F_y = 50,000 psi (AASHTO M270 Grade 50)
F_y = 36,000 psi (AASHTO M270 Grade 36)

SEISMIC DATA

Seismic Performance Category (SPC) = A
Bedrock Acceleration Coefficient (A) = 7.0%
Site Coefficient (S) = 1.0



PROFILE GRADE
ALONG C. ROADWAY



ELEVATION

DESIGNED	- L.E.L.
CHECKED	- REG
DRAWN	- M.T.L.
CHECKED	- L.E.L.

STATION 6+08.50
BUILT 20__ BY
STATE OF ILLINOIS
FAS ROUTE 754
SECTION 4RS-2, BR
LOADING HS20
STR. NO. 007-0026
NAME PLATE
See Std. 515001

APPROVED
FOR STRUCTURAL ADEQUACY ONLY
Ralph E. Anderson
ENGINEER OF BRIDGES AND STRUCTURES



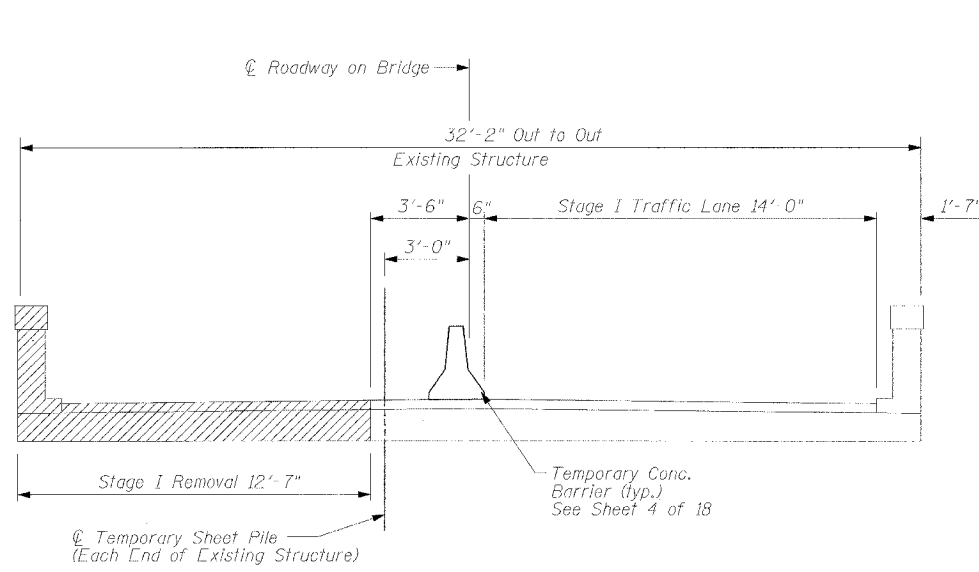
Reginald H. Benton
10/12/05
EXP 11/30/10

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

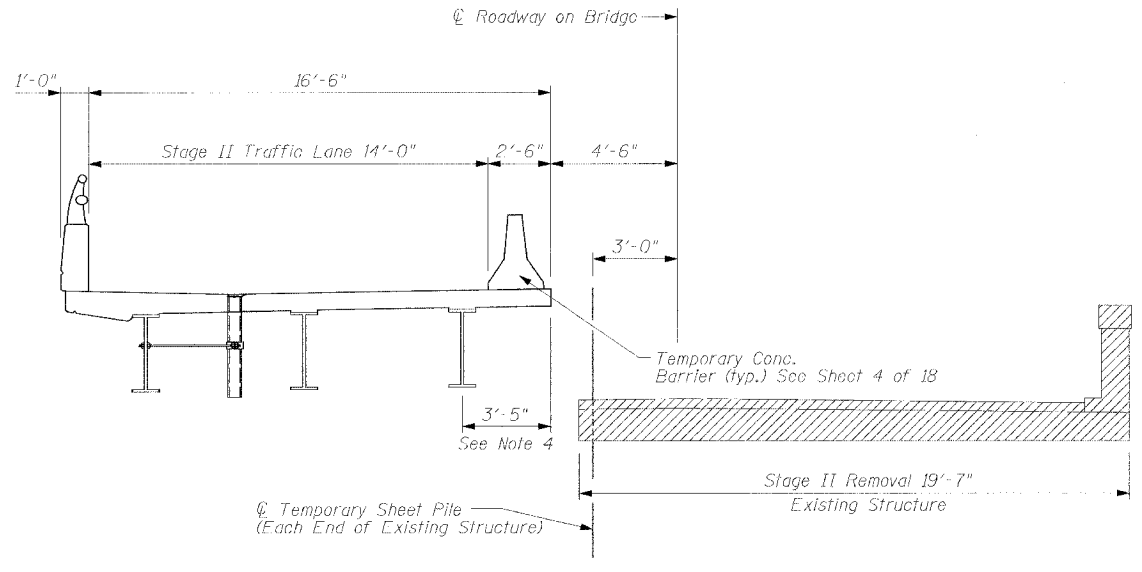
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 2 20 SHEETS
754	4RS-2, 4BR	CALHOUN	87	36	
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 76269

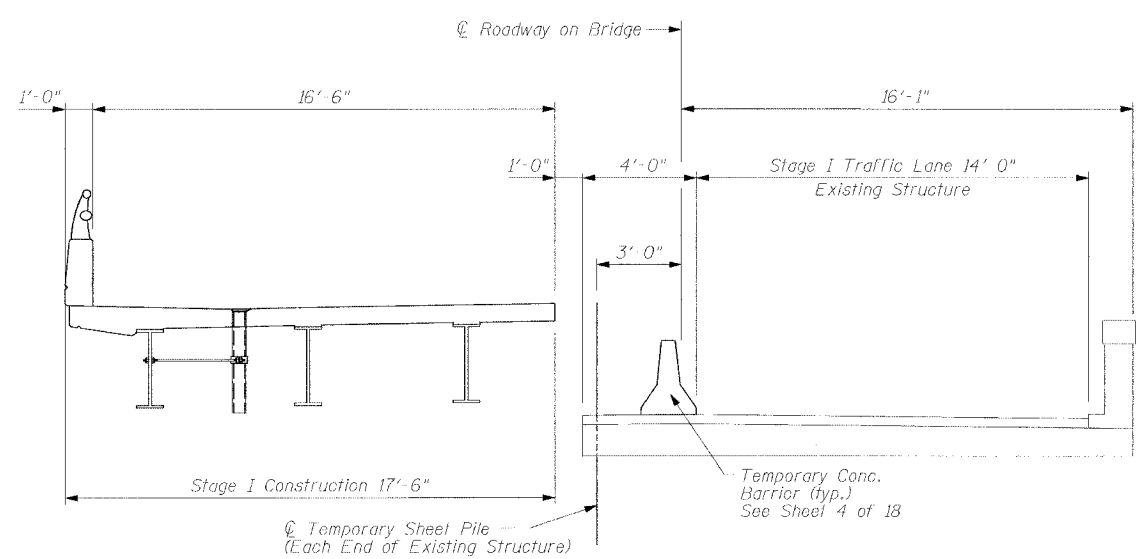
- Notes:
- Hatched area indicates "Removal of Existing Structures".
 - For quantity of Temporary Concrete Barrier, see Roadway Plans.
 - Dimensions are at Rt. L's to \odot Roadway on Bridge.
 - The contractor shall keep all vehicular loads and other heavy loads 3'-5" minimum from the edge of the deck.



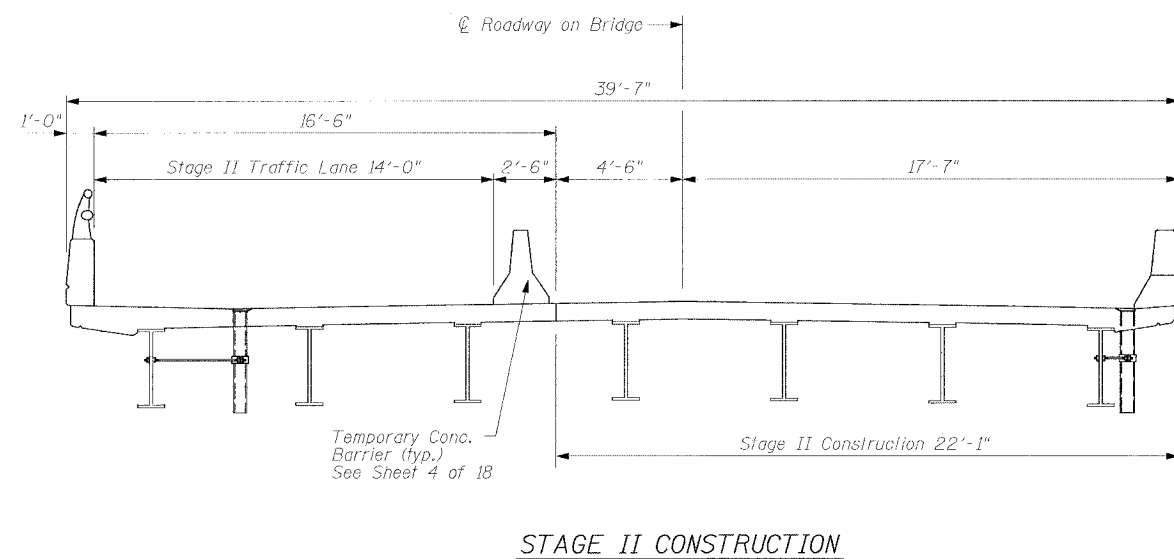
STAGE I REMOVAL
(Looking North)



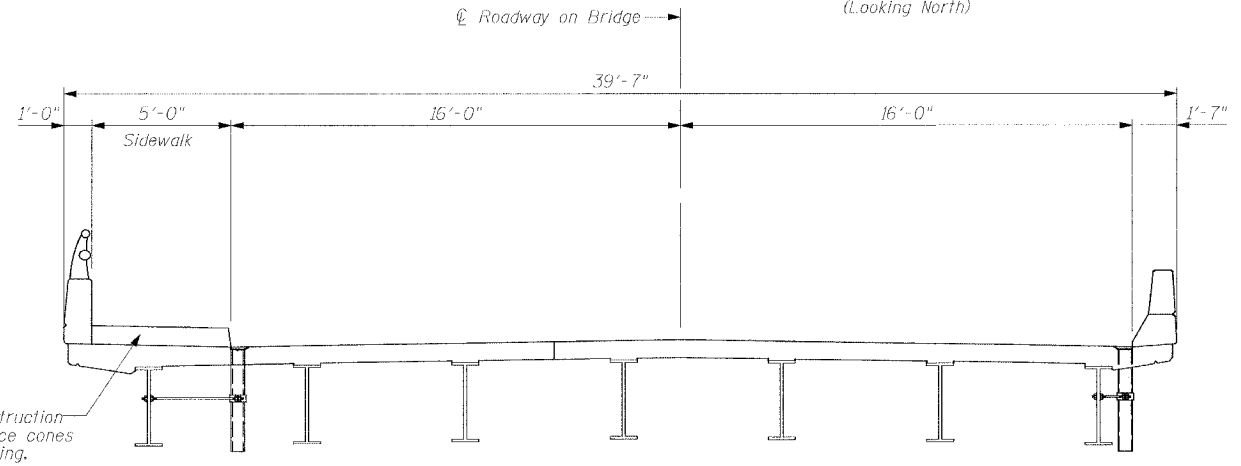
STAGE II REMOVAL
(Looking North)



STAGE I CONSTRUCTION
(Looking North)



STAGE II CONSTRUCTION
(Looking North)



STAGE III CONSTRUCTION
(Looking North)

Sidewalk to be placed in Stage III construction. Use flaggers for traffic control and place cones at edge of sidewalk during concrete curing.

DESIGNED	- L.E.L.
CHECKED	- REG
DRAWN	- M.T.L.
CHECKED	- L.E.L.

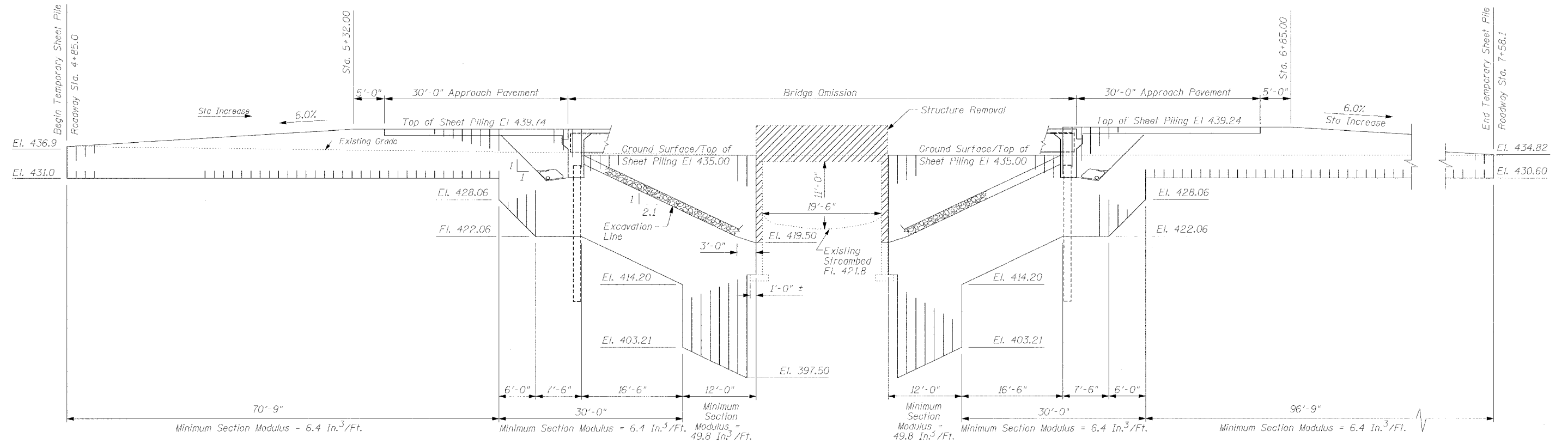
STAGE CONSTRUCTION
PARK STREET OVER
AN UNNAMED CREEK
F.A.S. ROUTE 754
SECTION 4RS-2, 4BR
CALHOUN COUNTY
ROADWAY STATION 6+08.50
STRUCTURE NO. 007-0026

Benton & Associates, Inc.
Consulting Engineers / Land Surveyors
1970 West Lafayette Avenue Jacksonville, Illinois 62650
Phone : 217-245-4146 Fax : 217-245-4149
IL Design Firm Registration No. 184-000852

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	CITY	DATE	SHEET NO.	SHEET NO. 3 20 SHEETS
F.A.S. 754	4RS-2, 4BR	CALHOUN	87	37	
FED. ROAD DIST. NO.		ILL. ROAD DIST. NO.		FED. AID PROJECT-	

CONTRACT NO. 76269



ELEVATION

Notes:

1. Minimum section modulus of temporary sheet piling shall be as shown in the ELEVATION view of this sheet.
2. If the contractor chooses to alter the temporary cantilevered sheet pile design requirements shown on the plans for lesser design requirements, the full design calculations with the required seals shall be submitted to the Department for review and approval.
3. The contractor shall connect the first sheet to the existing abutment wall to ensure stability of the sheets driven to the top of the footing. This connection shall be reviewed and accepted by the Engineer and included in the cost for Temporary Sheet Piling.

TEMPORARY SHEETPILE WALL
PARK STREET OVER
AN UNNAMED CREEK
F.A.S. ROUTE 754
SECTION 4RS-2, 4BR
CALHOUN COUNTY
ROADWAY STATION 6+08.50
STRUCTURE NO. 007-0026



Benton & Associates, Inc.

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1970 West Lafayette Avenue Jacksonville, Illinois 62650
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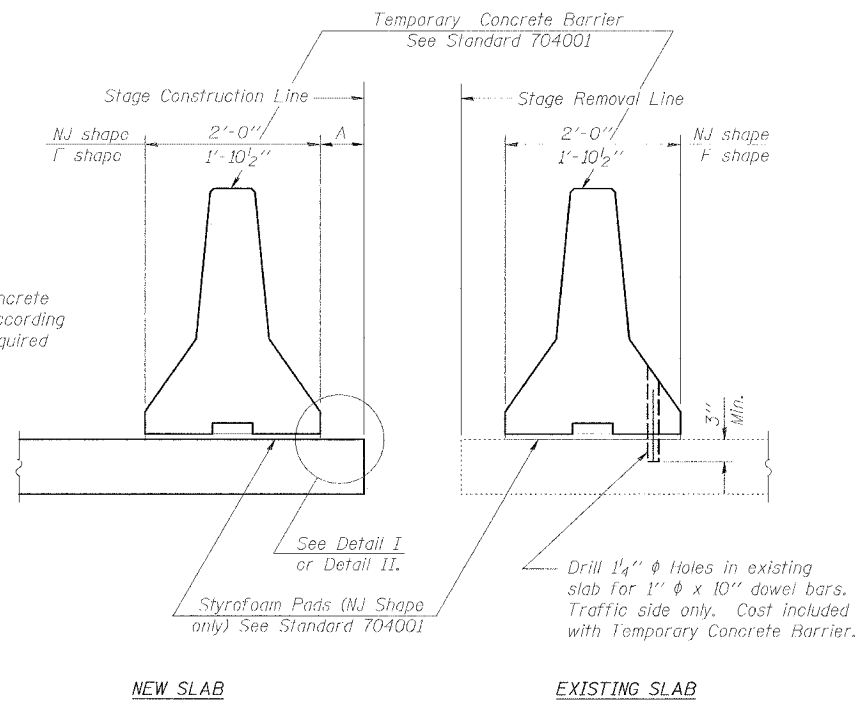
DESIGNED	- L.E.L.
CHECKED	- RFG
DRAWN	M.T.L.
CHECKED	- L.E.L.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 1 20 SHEETS
F.A.S. 754	4RS-2, 4BR	CALHOUN	87	38	
FED. ROAD DIST. NO. 7	ILLINOIS		FED. AID PROJECT-		

CONTRACT NO. 76269

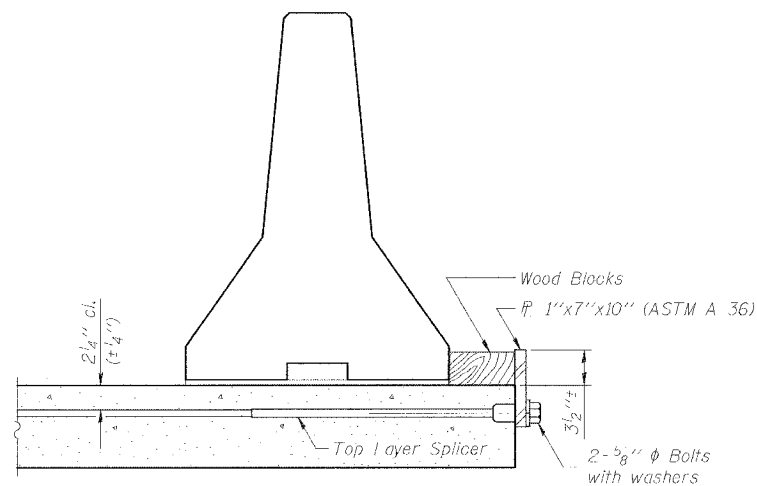
When "A" is 3'-6" or less, the temporary concrete barrier shall be Anchored to the new slab according to Detail I or Detail II. No anchorage is required when "A" is greater than 3'-6".



SECTIONS THRU SLAB

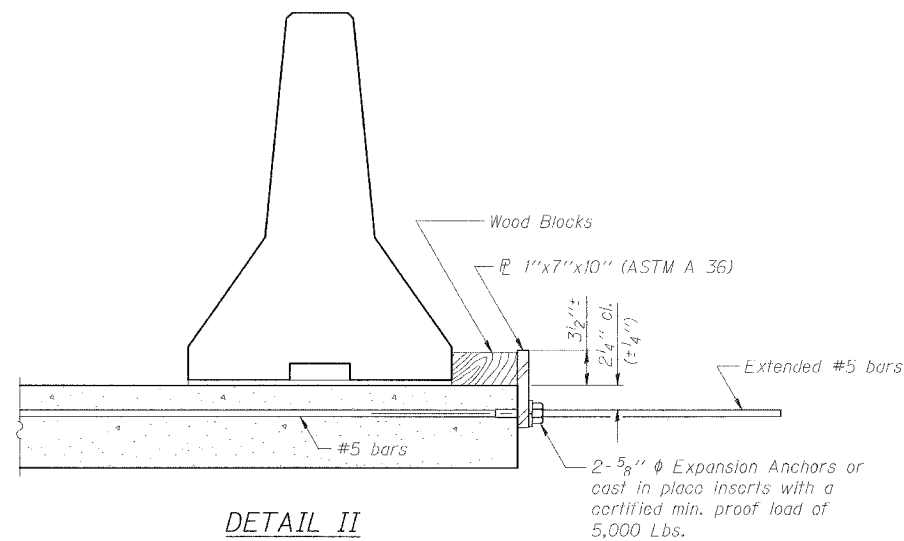
NOTES

- Detail I - With Bar Splicer or Couplers:**
Connect one (1) 1"x7"x10" steel \bar{P} to the top layer of couplers with 2-5/8" ϕ bolts screwed to coupler at approximate \bar{C} of each barrier panel.
- Detail II - With Extended Reinforcement Bars:**
Connect one (1) 1"x7"x10" steel \bar{P} to the concrete slab with 2-5/8" ϕ Expansion Anchors or cast in place inserts spaced between the top layer of reinforcement at approximate \bar{C} of each barrier panel.
- Cost of anchorage is included with Temporary Concrete Barrier. For Pay Item "Temporary Concrete Barrier" See Roadway Plans.



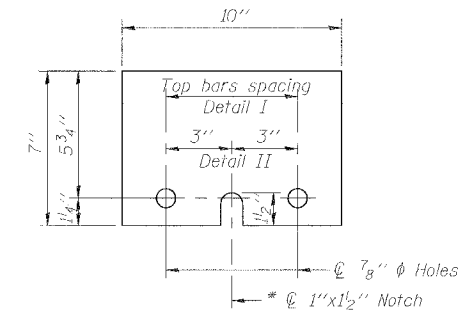
DETAIL I

The 1"x7"x10" Plate shall not be removed until Stage II Construction forms and reinforcement bars are in place.



DETAIL II

The 1"x7"x10" Plate shall not be removed until Stage II Construction forms and all reinforcement bars are in place and the concrete is ready to be placed.



\bar{P} 1"x7"x10"

* Required only with Detail II

DESIGNED	- L.E.L.
CHECKED	- REG
DRAWN	- M.T.L.
CHECKED	- L.E.L.

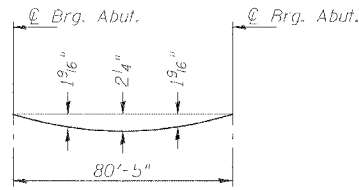
R-27 10-31-02

TEMPORARY CONCRETE BARRIER
FOR STAGE CONSTRUCTION
PARK STREET OVER
AN UNNAMED CREEK
F.A.S. ROUTE 754
SECTION 4RS-2, 4BR
CALHOUN COUNTY
ROADWAY STATION 6+08.50
STRUCTURE NO. 007-0026

Benton & Associates, Inc.
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1970 West Lafayette Avenue Jacksonville, Illinois 62650
Phone : 217-245-4146 Fax : 217-245-4149
IL Design Firm Registration No. 184-000852

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

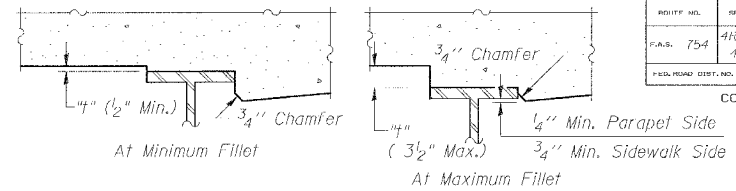
ROUTE NO.	SECTION	COUNTY	SHEET NO.	SHEET NO.
F.A.S. 754	4RS-2, 4BR	CALHOUN	87	39
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 76269				



DEAD LOAD DEFLECTION DIAGRAM

(Includes weight of concrete only.)

Note: The above deflections are not for use in the field if the Engineer is working from the Theoretical Grade Elevations Adjusted for Dead Load Deflections.



To determine "t": After all structural steel has been erected, elevations of the top flanges of the beams shall be taken at intervals shown below. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" shown below, minus slab thickness, equals the fillet heights "t" above top flange of beams.

FILLET HEIGHTS

ROADWAY ON BRIDGE

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	100+00.00	0	439.588	439.588
☉ Brg. S. Abut.	100+01.29	0	439.583	439.583
A	100+11.29	0	439.541	439.611
B	100+21.29	0	439.499	439.628
C	100+31.29	0	439.457	439.625
D	100+41.29	0	439.415	439.599
E	100+51.29	0	439.373	439.542
F	100+61.29	0	439.331	439.453
G	100+71.29	0	439.289	439.362
☉ Brg. N. Abut.	100+81.71	0	439.245	439.245
Bk. N. Abut.	100+83.00	0	439.240	439.240

STAGE CONSTRUCTION JOINT

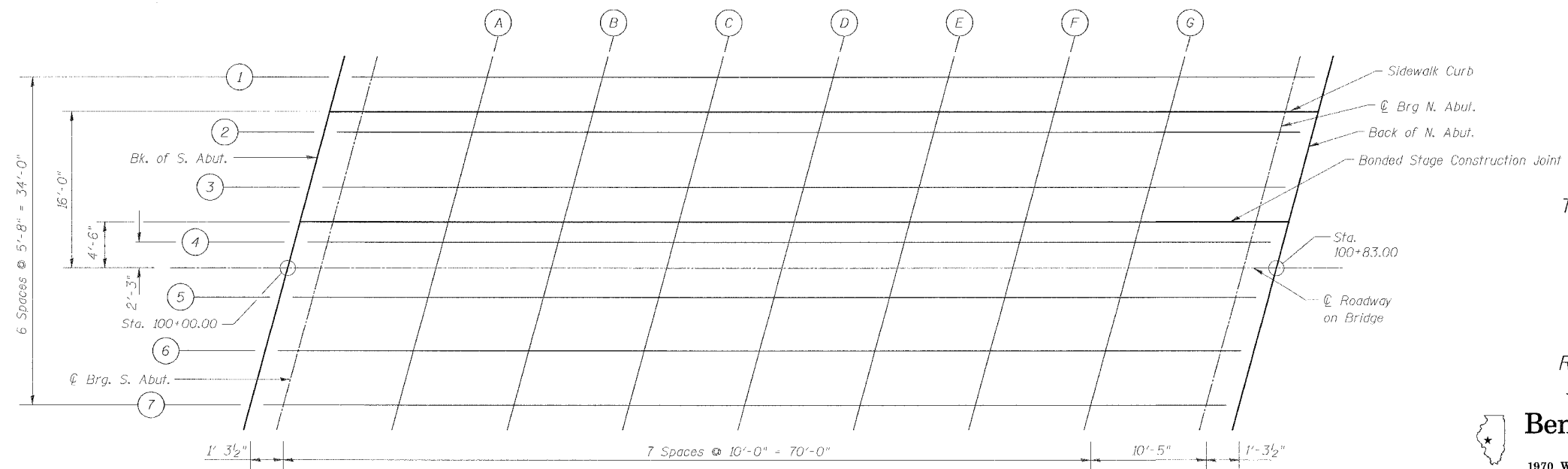
Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	100+01.21	4.50' Lt.	439.513	439.513
☉ Brg. S. Abut.	100+02.50	4.50' Lt.	439.508	439.508
A	100+12.50	4.50' Lt.	439.466	439.536
B	100+22.50	4.50' Lt.	439.424	439.552
C	100+32.50	4.50' Lt.	439.382	439.550
D	100+42.50	4.50' Lt.	439.340	439.523
E	100+52.50	4.50' Lt.	439.298	439.467
F	100+62.50	4.50' Lt.	439.256	439.378
G	100+72.50	4.50' Lt.	439.214	439.287
☉ Brg. N. Abut.	100+82.92	4.50' Lt.	439.170	439.170
Bk. N. Abut.	100+84.21	4.50' Lt.	439.165	439.165

SIDEWALK CURB

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	100+04.29	16.00' Lt.	439.300	439.300
☉ Brg. S. Abut.	100+05.58	16.00' Lt.	439.295	439.295
A	100+15.58	16.00' Lt.	439.253	439.323
B	100+25.58	16.00' Lt.	439.211	439.339
C	100+35.58	16.00' Lt.	439.169	439.337
D	100+45.58	16.00' Lt.	439.127	439.310
E	100+55.58	16.00' Lt.	439.085	439.254
F	100+65.58	16.00' Lt.	439.043	439.165
G	100+75.58	16.00' Lt.	439.001	439.074
☉ Brg. N. Abut.	100+86.00	16.00' Lt.	438.957	438.957
Bk. N. Abut.	100+87.29	16.00' Lt.	438.952	438.952

BEAM 1

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	100+05.16	19.25' Lt.	439.352	439.352
☉ Brg. S. Abut.	100+06.45	19.25' Lt.	439.346	439.346
A	100+16.45	19.25' Lt.	439.304	439.375
B	100+26.45	19.25' Lt.	439.262	439.391
C	100+36.45	19.25' Lt.	439.220	439.388
D	100+46.45	19.25' Lt.	439.178	439.362
E	100+56.45	19.25' Lt.	439.136	439.306
F	100+66.45	19.25' Lt.	439.094	439.216
G	100+76.45	19.25' Lt.	439.052	439.125
☉ Brg. N. Abut.	100+86.87	19.25' Lt.	439.009	439.009
Bk. N. Abut.	100+88.16	19.25' Lt.	439.003	439.003



DIAGRAMMATIC PLAN - TOP OF CONCRETE ELEVATIONS

DESIGNED	- L.E.L.
CHECKED	- RFG
DRAWN	- M.T.L.
CHECKED	- L.E.L.

TOP OF SLAB ELEVATIONS
PARK STREET OVER
AN UNNAMED CREEK
F.A.S. ROUTE 754
SECTION 4RS-2, 4BR
CALHOUN COUNTY
ROADWAY STATION 6+08.50
STRUCTURE NO. 007-0026

Benton & Associates, Inc.
Consulting Engineers / Land Surveyors
1970 West Lafayette Avenue Jacksonville, Illinois 62650
Phone : 217-245-4146 Fax : 217-245-4149
IL Design Firm Registration No. 184-000852

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEET NO.	SHEET NO.
F.A.S. 754	4RS-2, 4BR	CALHOUN	87	40
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 76269				

BEAM 2

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	100+03.64	13.58' Lt.	439.353	439.353
☉ Brg. S. Abut.	100+04.93	13.58' Lt.	439.348	439.348
A	100+14.93	13.58' Lt.	439.306	439.376
B	100+24.93	13.58' Lt.	439.264	439.392
C	100+34.93	13.58' Lt.	439.222	439.390
D	100+44.93	13.58' Lt.	439.180	439.363
E	100+54.93	13.58' Lt.	439.138	439.307
F	100+64.93	13.58' Lt.	439.096	439.218
G	100+74.93	13.58' Lt.	439.054	439.127
☉ Brg. N. Abut.	100+85.35	13.58' Lt.	439.010	439.010
Bk. N. Abut.	100+86.64	13.58' Lt.	439.005	439.005

BEAM 3

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	100+02.12	7.92' Lt.	439.456	439.456
☉ Brg. S. Abut.	100+03.41	7.92' Lt.	439.451	439.451
A	100+13.41	7.92' Lt.	439.409	439.479
B	100+23.41	7.92' Lt.	439.367	439.495
C	100+33.41	7.92' Lt.	439.325	439.493
D	100+43.41	7.92' Lt.	439.283	439.466
E	100+53.41	7.92' Lt.	439.241	439.410
F	100+63.41	7.92' Lt.	439.199	439.321
G	100+73.41	7.92' Lt.	439.157	439.230
☉ Brg. N. Abut.	100+83.83	7.92' Lt.	439.113	439.113
Bk. N. Abut.	100+85.12	7.92' Lt.	439.108	439.108

BEAM 4

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	100+00.60	2.25' Lt.	439.551	439.551
☉ Brg. S. Abut.	100+01.89	2.25' Lt.	439.546	439.546
A	100+11.89	2.25' Lt.	439.504	439.574
B	100+21.89	2.25' Lt.	439.462	439.590
C	100+31.89	2.25' Lt.	439.420	439.587
D	100+41.89	2.25' Lt.	439.378	439.561
E	100+51.89	2.25' Lt.	439.336	439.505
F	100+61.89	2.25' Lt.	439.294	439.416
G	100+71.89	2.25' Lt.	439.252	439.324
☉ Brg. N. Abut.	100+82.31	2.25' Lt.	439.208	439.208
Bk. N. Abut.	100+83.60	2.25' Lt.	439.202	439.202

BEAM 5

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	99+99.08	3.42' Rt.	439.539	439.539
☉ Brg. S. Abut.	100+00.37	3.42' Rt.	439.534	439.534
A	100+10.37	3.42' Rt.	439.492	439.562
B	100+20.37	3.42' Rt.	439.450	439.578
C	100+30.37	3.42' Rt.	439.408	439.576
D	100+40.37	3.42' Rt.	439.366	439.549
E	100+50.37	3.42' Rt.	439.324	439.493
F	100+60.37	3.42' Rt.	439.282	439.404
G	100+70.37	3.42' Rt.	439.240	439.313
☉ Brg. N. Abut.	100+80.79	3.42' Rt.	439.196	439.196
Bk. N. Abut.	100+82.08	3.42' Rt.	439.191	439.191

BEAM 6

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	99+97.57	9.08' Rt.	439.457	439.457
☉ Brg. S. Abut.	99+98.86	9.08' Rt.	439.452	439.452
A	100+08.86	9.08' Rt.	439.410	439.480
B	100+18.86	9.08' Rt.	439.368	439.496
C	100+28.86	9.08' Rt.	439.326	439.494
D	100+38.86	9.08' Rt.	439.284	439.467
F	100+48.86	9.08' Rt.	439.242	439.411
G	100+58.86	9.08' Rt.	439.200	439.322
G	100+68.86	9.08' Rt.	439.158	439.231
☉ Brg. N. Abut.	100+79.28	9.08' Rt.	439.114	439.114
Bk. N. Abut.	100+80.57	9.08' Rt.	439.109	439.109

BEAM 7

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	99+96.05	14.75' Rt.	439.361	439.361
☉ Brg. S. Abut.	99+97.34	14.75' Rt.	439.355	439.355
A	100+07.34	14.75' Rt.	439.313	439.384
B	100+17.34	14.75' Rt.	439.271	439.400
C	100+27.34	14.75' Rt.	439.229	439.397
D	100+37.34	14.75' Rt.	439.187	439.371
E	100+47.34	14.75' Rt.	439.145	439.315
F	100+57.31	14.75' Rt.	439.103	439.225
G	100+67.34	14.75' Rt.	439.061	439.134
☉ Brg. N. Abut.	100+77.76	14.75' Rt.	439.018	439.018
Bk. N. Abut.	100+79.05	14.75' Rt.	439.012	439.012

DESIGNED	- L.E.L.
CHECKED	- REG
DRAWN	- M.T.L.
CHECKED	- L.E.L.

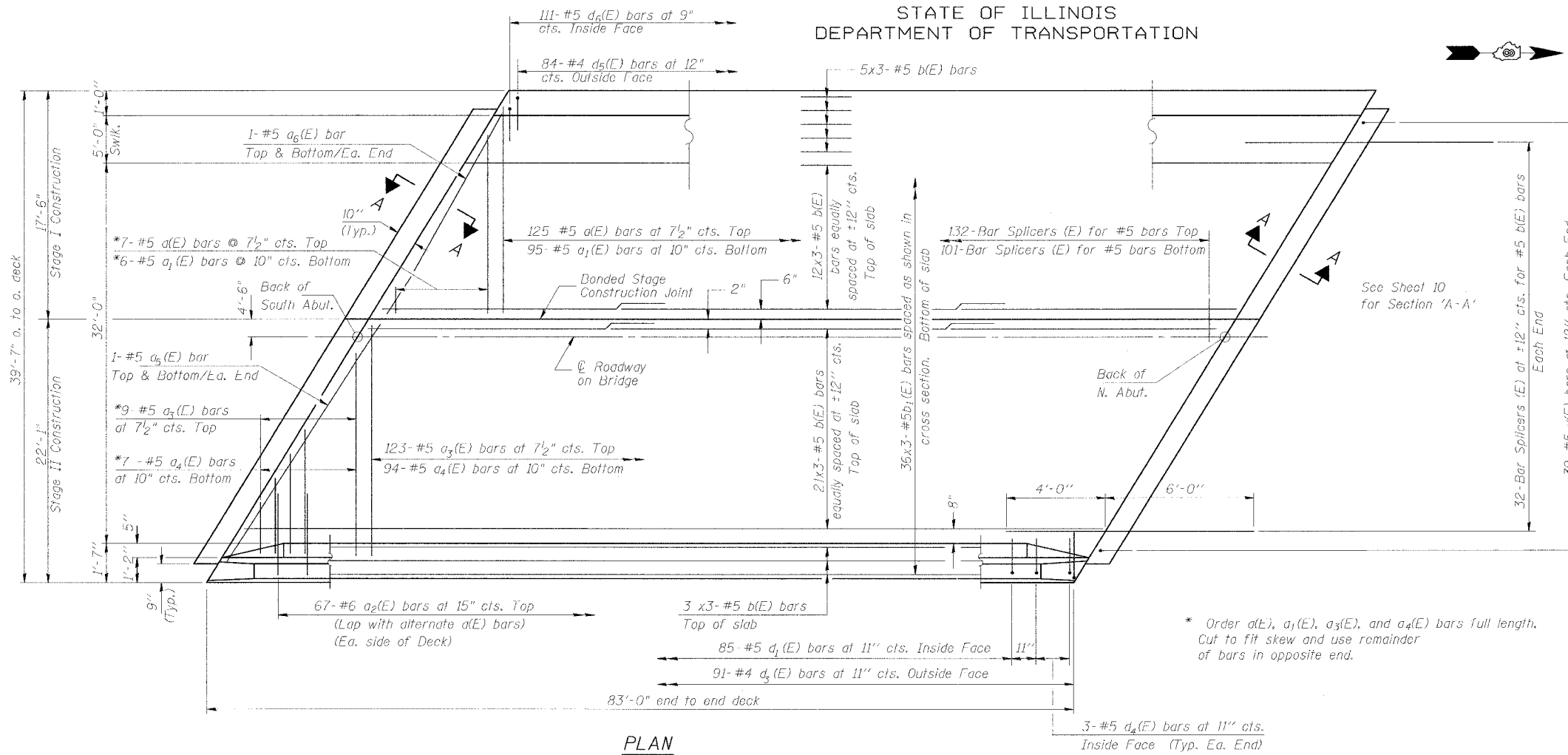
TOP OF SLAB ELEVATIONS
PARK STREET OVER
AN UNNAMED CREEK
F.A.S. ROUTE 754
SECTION 4RS-2, 4BR
CALHOUN COUNTY
ROADWAY STATION 6+08.50
STRUCTURE NO. 007-0026

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IL Design Firm Registration No. 184-000852

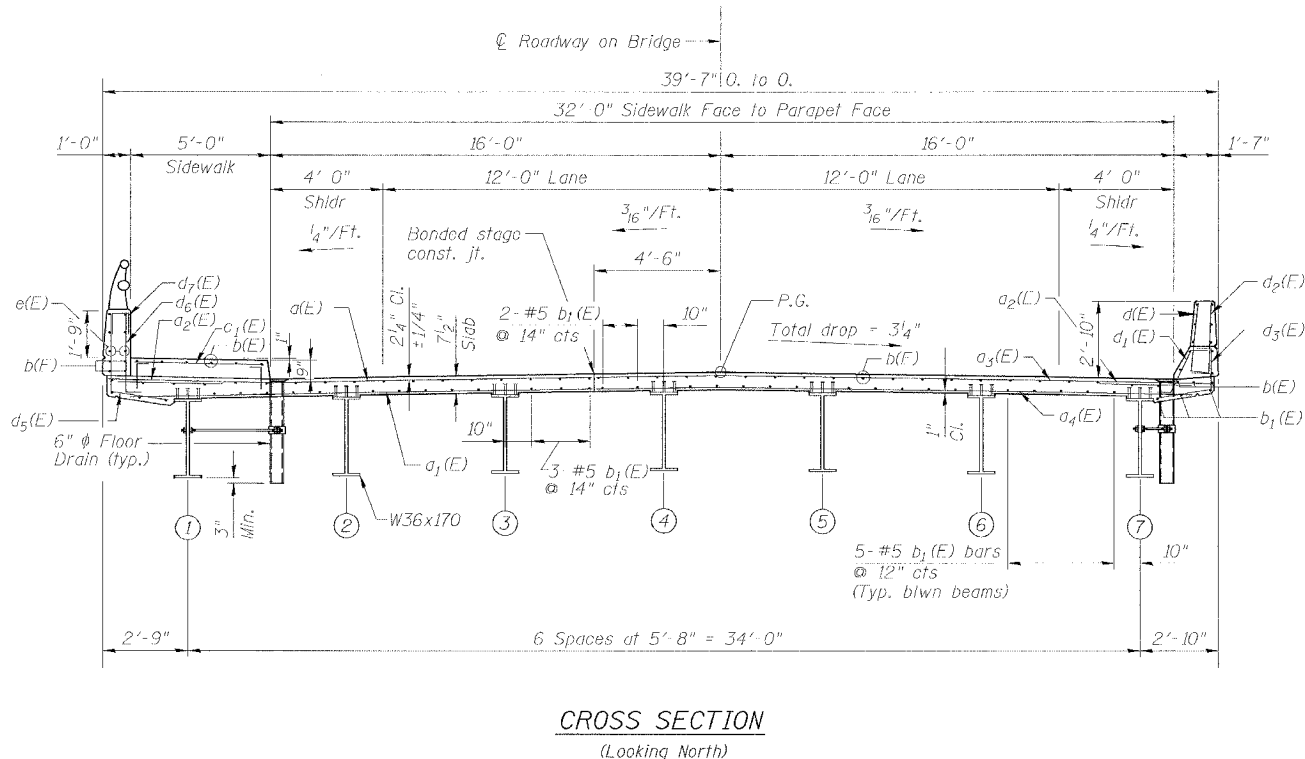
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SPLIT	COUNTY	SECTION	SHEET	SHEET NO. 7 20 SHEETS
754	1RS-2, 4BR	CALHOUN	87	41	
FED. ROAD DIST. NO.		ILLINOIS		FED. AID PROJECT	

CONTRACT NO. 76269



Notes: See Sheets 8 & 9 of 18 for superstructure details and Bill of Material.
Reinforcement bars designated (E) shall be epoxy coated.
Bars indicated thus 20x3- #5 etc. indicates 20 lines of bars with 3 lengths per line.
See Sheet 8 of 18 for parapet reinforcement.



MIN. BAR LAP
#4 = 2'-0"
#5 = 2'-6"

DESIGNED	- L.E.L.
CHECKED	- REG
DRAWN	- M.T.L.
CHECKED	- L.E.L.

SUPERSTRUCTURE
PARK STREET OVER
AN UNNAMED CREEK
F.A.S. ROUTE 754
SECTION 4RS-2, 4BR
CALHOUN COUNTY
ROADWAY STATION 6+08.50
STRUCTURE NO. 007-0026

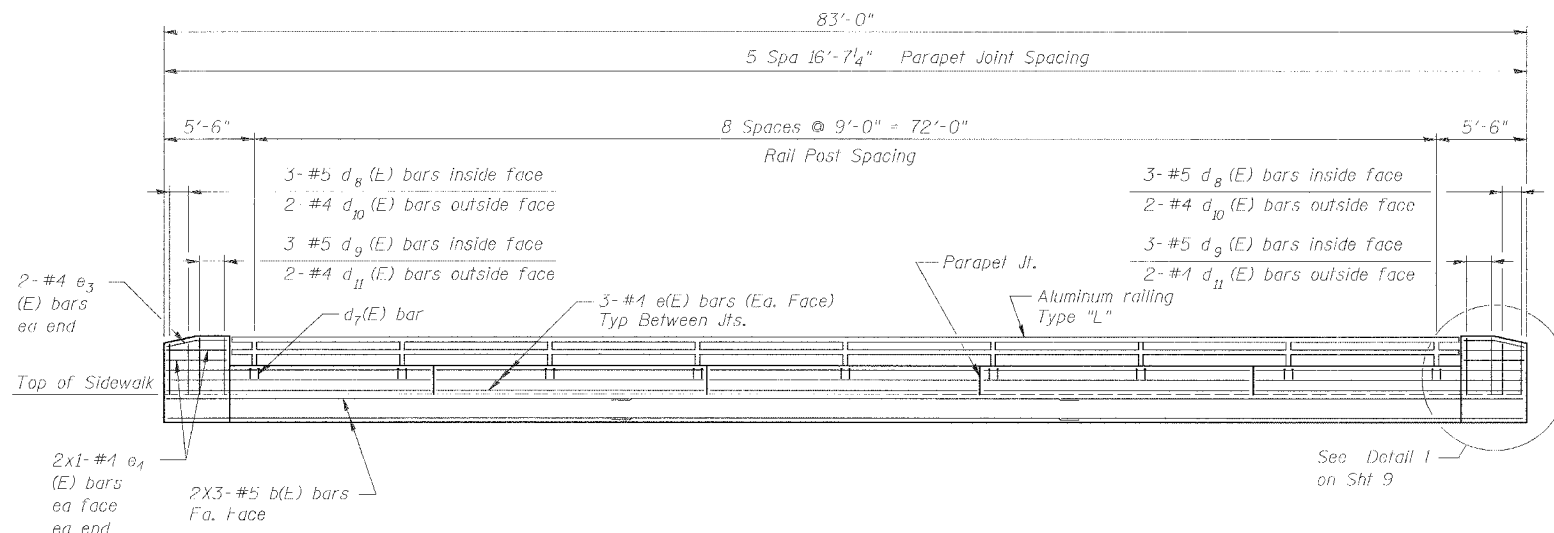
Benton & Associates, Inc.
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1970 West Lafayette Avenue Jacksonville, Illinois 62650
Phone : 217-245-4146 Fax : 217-245-4149
IL Design Firm Registration No. 184-000852

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

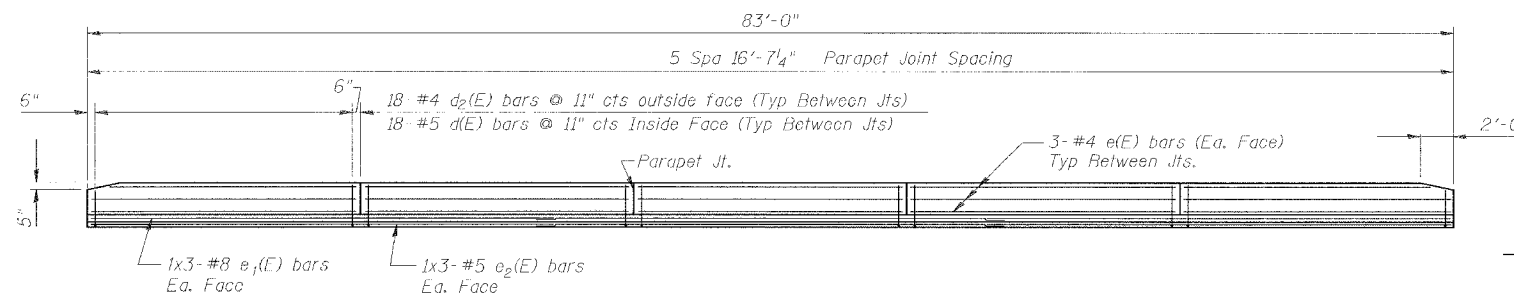
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 8 20 SHEETS
F.A.S. 754	4RS-2, 4BR	CALHOUN	87	42	
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT			

CONTRACT NO. 76269

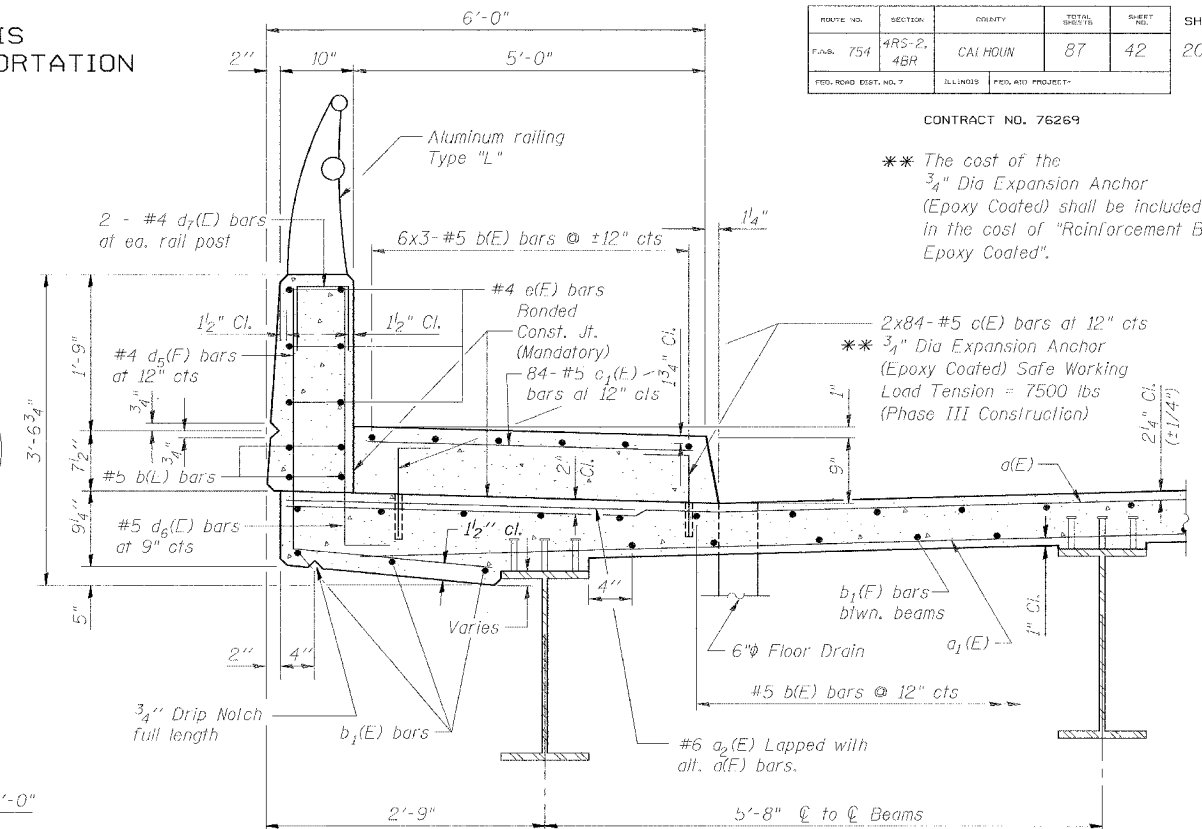
** The cost of the 3/4" Dia Expansion Anchor (Epoxy Coated) shall be included in the cost of "Reinforcement Bars, Epoxy Coated".



INSIDE ELEVATION OF WEST PARAPET



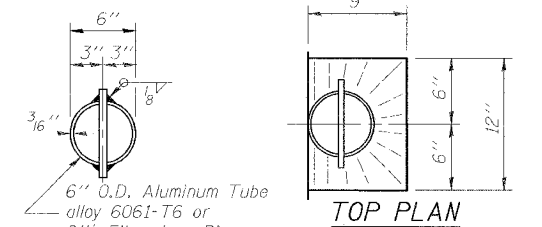
INSIDE ELEVATION OF EAST PARAPET



SECTION THRU SIDEWALK

MIN. BAR LAP

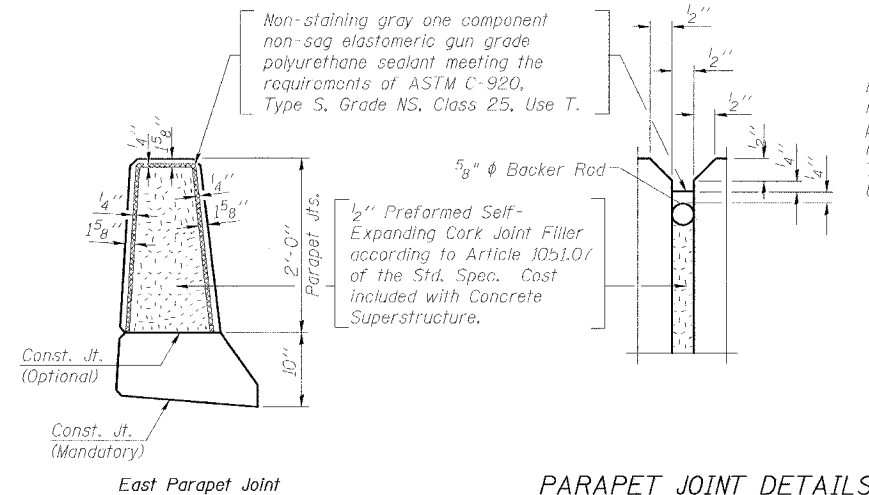
- #4 = 2'-0"
- #5 = 2'-6"
- #8 = 5'-5"



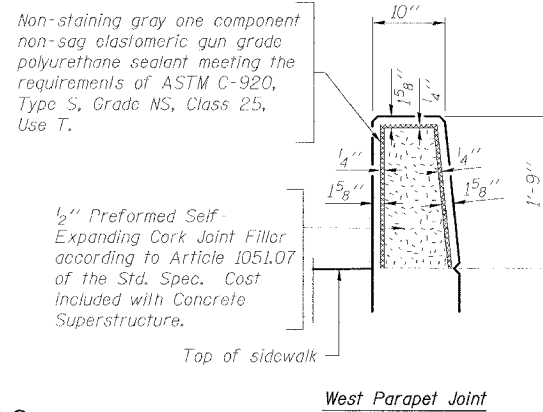
TOP PLAN (Showing Aluminum Tube)

SECTION B-B

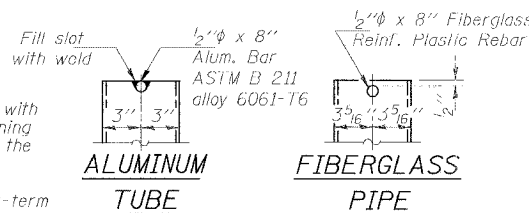
* Dimension as required by Pipe Clamp



PARAPET JOINT DETAILS

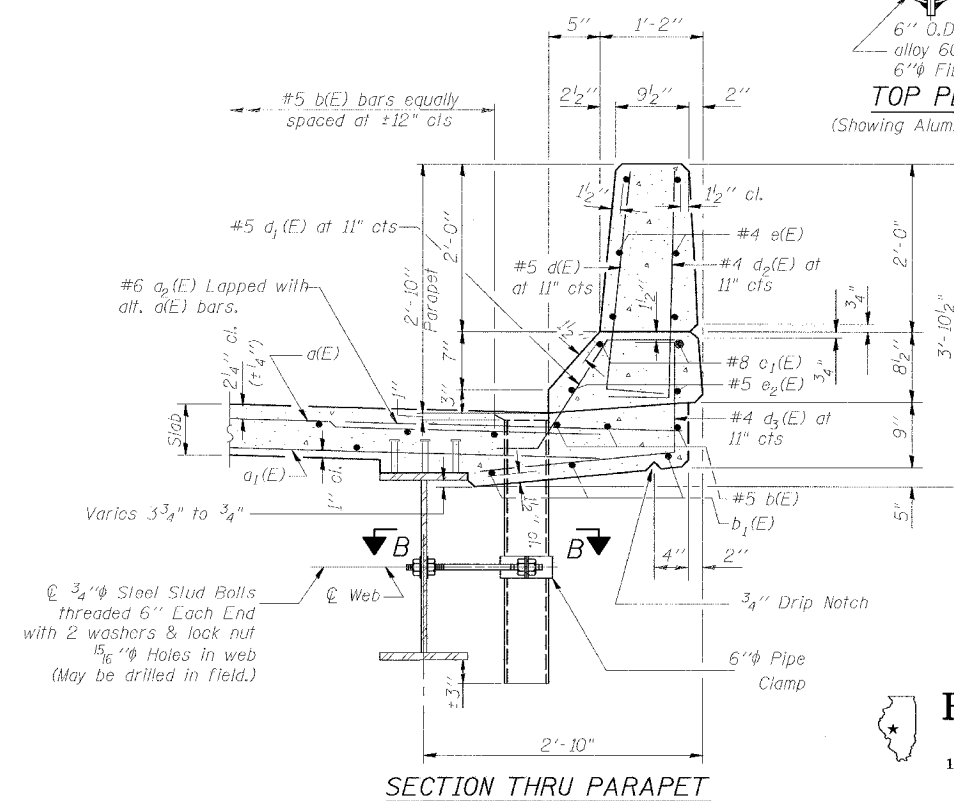


West Parapet Joint



ALUMINUM TUBE

FIBERGLASS PIPE



SECTION THRU PARAPET

SUPERSTRUCTURE DETAILS
PARK STREET OVER
AN UNNAMED CREEK
F.A.S. ROUTE 754
SECTION 4RS-2, 4BR
CALHOUN COUNTY
ROADWAY STATION 6+08.50
STRUCTURE NO. 007-0026

Benton & Associates, Inc.

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IL Design Firm Registration No. 184-000852

DESIGNED	- L.E.L.
CHECKED	- REG
DRAWN	- M.T.L.
CHECKED	- L.E.L.

Notes:
The exterior surfaces of the floor drains shall be painted with the finish coat as specified in the special provisions for Cleaning and Painting New Metal Structures. The exterior surfaces of the drains shall be cleaned according to Steel Structures Painting Council's Spec. SSPC-SP1 prior to painting.
Fiberglass pipe shall conform to ASTM D 2996, with short-term rupture strength hoop tensile stress of 30,000 p.s.i. minimum.
Drains shall be located clear of all diaphragms.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.S. 754	4RS-2, 4BR	CALHOUN	87	43
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 76269

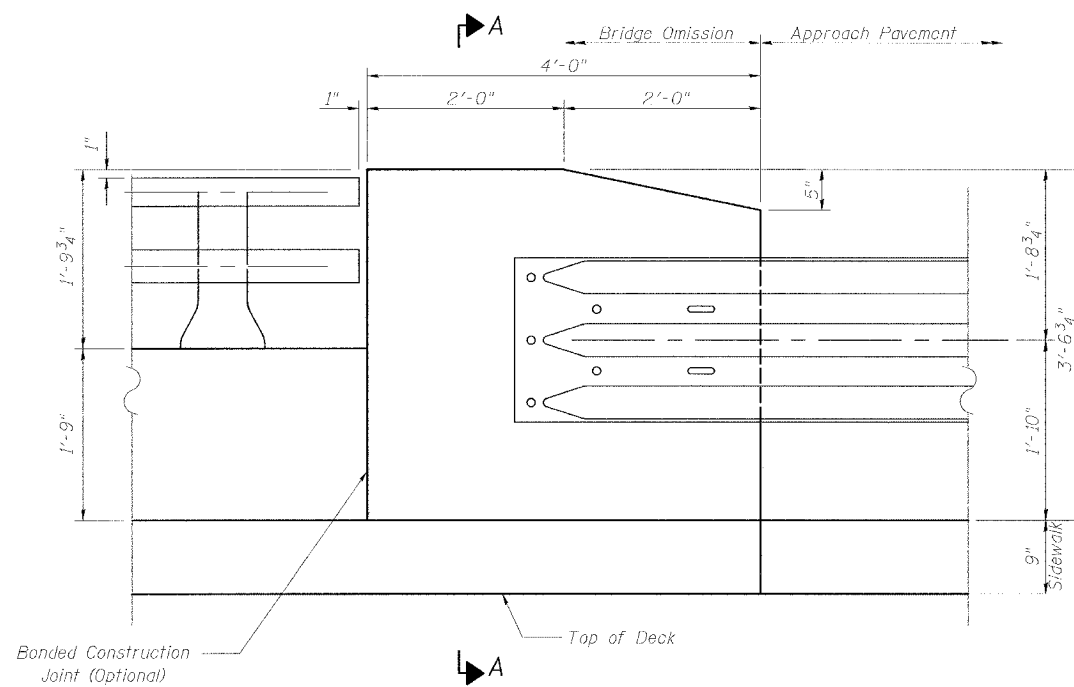
**SUPERSTRUCTURE
BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
a(F)	132	#5	17'-2"	—
a ₁ (L)	101	#5	16'-9"	—
a ₂ (E)	134	#6	4'-6"	—
a ₃ (E)	132	#5	21'-9"	—
a ₄ (F)	101	#5	21'-4"	—
a ₅ (L)	4	#5	22'-2"	—
a ₆ (E)	4	#5	17'-5"	—
b(E)	150	#5	29'-5"	—
b ₁ (E)	108	#5	29'-5"	—
c(E)	168	#5	1'-9"	└
c ₁ (E)	84	#5	4'-6"	—
d(E)	91	#5	3'-0"	└
d ₁ (E)	85	#5	2'-5"	└
d ₂ (E)	91	#4	3'-0"	└
d ₃ (E)	91	#4	3'-8"	└
d ₄ (E)	6	#4	2'-1"	└
d ₅ (E)	84	#4	4'-7"	└
d ₆ (E)	111	#5	3'-9"	└
d ₇ (E)	18	#4	2'-0"	└
d ₈ (E)	6	#5	3'-1"	└
d ₉ (E)	6	#5	3'-4"	└
d ₁₀ (E)	4	#4	3'-1"	└
d ₁₁ (E)	4	#4	3'-4"	└
e(E)	60	#4	16'-2"	└
e ₁ (E)	6	#8	31'-4"	└
e ₂ (E)	6	#5	29'-4"	└
e ₃ (E)	4	#4	3'-8 $\frac{1}{2}$ "	└
e ₄ (E)	8	#4	3'-8"	└
m(E)	4	#6	17'-0"	└
m ₁ (E)	6	#6	17'-3"	└
m ₂ (E)	28	#6	8'-5"	└
m ₃ (E)	12	#6	5'-3"	└
m ₄ (E)	4	#6	2'-4"	└
m ₅ (E)	6	#6	22'-6"	└
m ₆ (E)	4	#6	21'-10"	└
s(E)	84	#5	6'-3"	└
s ₁ (E)	72	#5	10'-2"	└
v(E)	78	#5	4'-4"	└
Reinforcement Bars, Epoxy Coated		Pound	24820	
Concrete Superstructure		Cu. Yds.	140.2	

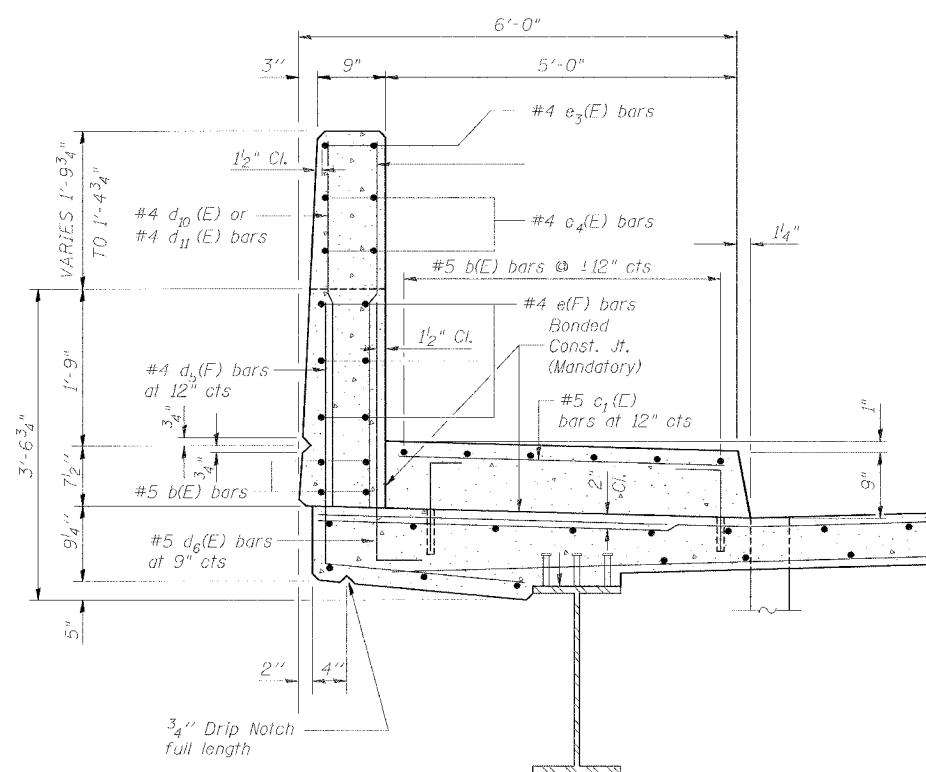
Reinforcement bars designated (E) shall be epoxy coated.
Bars indicated thus 1x3-#5 etc. indicates 1 line of bars with 3 lengths per line.

SUPERSTRUCTURE DETAILS II
PARK STREET OVER
AN UNNAMED CREEK
F.A.S. ROUTE 754
SECTION 4RS-2, 4BR
CALHOUN COUNTY
ROADWAY STATION 6+08.50
STRUCTURE NO. 007-0026

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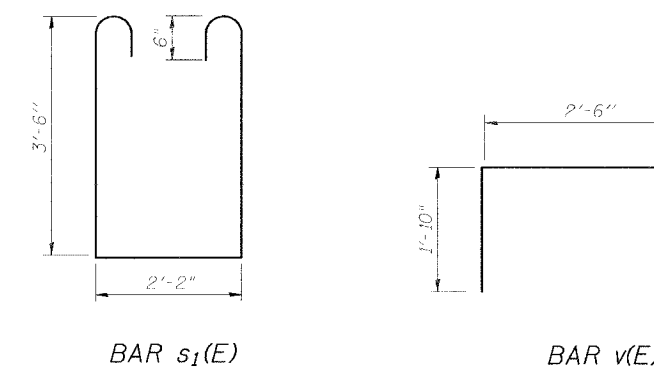
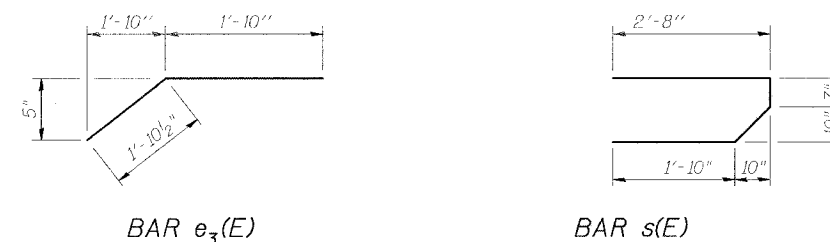
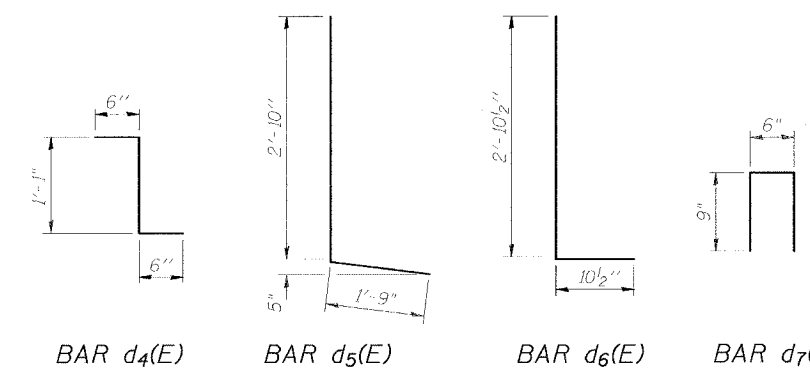
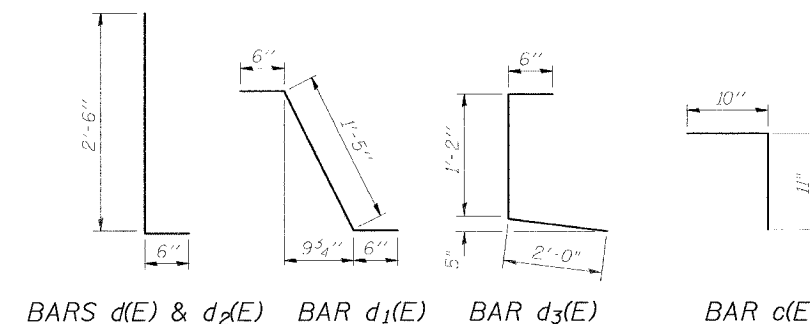


Elevation-Type 6 Rail Attachment Detail (A)



SECTION THRU SIDEWALK (A)

DESIGNED	- L.E.L.
CHECKED	- REG
DRAWN	- M.I.L.
CHECKED	- L.E.L.

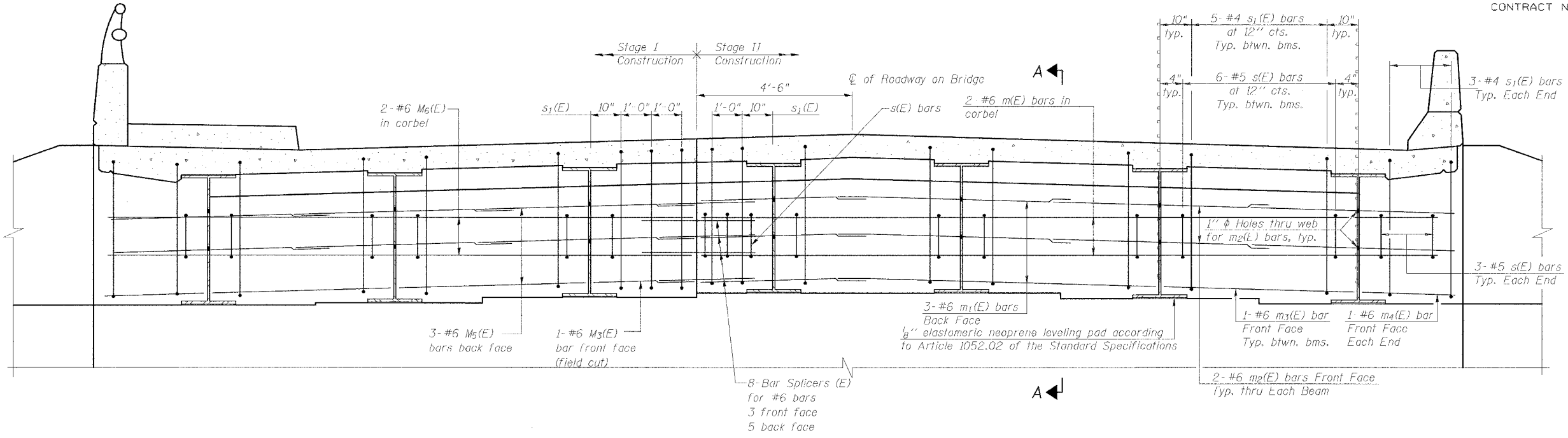


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

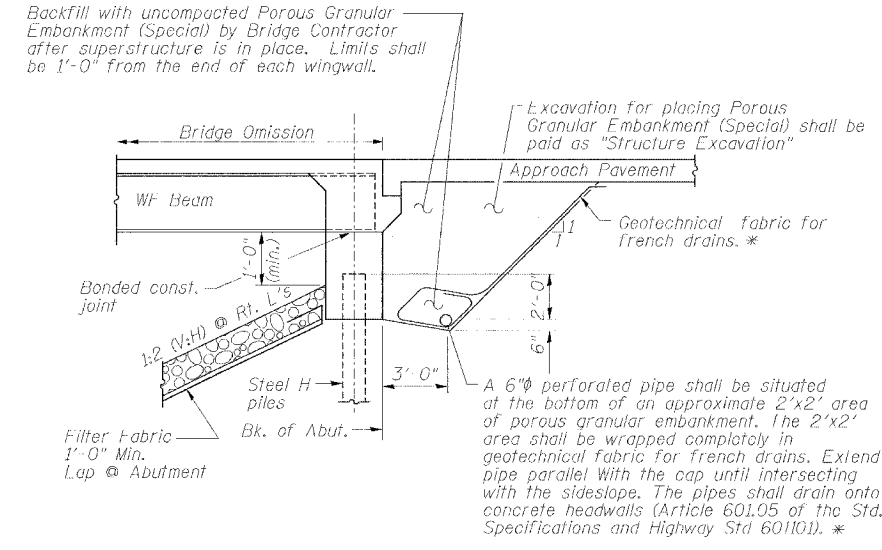
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.S. 751	4RS 2, 4BR	CALHOUN	87	44
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	

SHEET NO. 10
20 SHEETS

CONTRACT NO. 76269

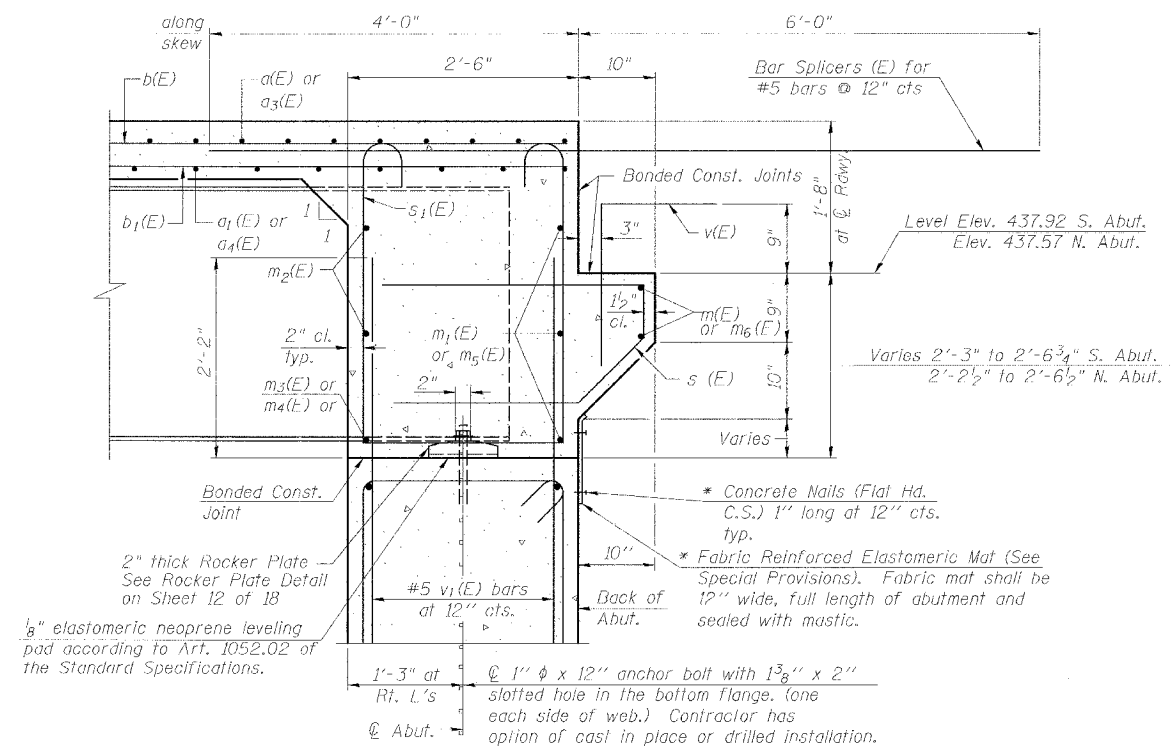


DIAPHRAGM ELEVATION AT NORTH ABUTMENT



*Included in the cost of "Porous Granular Embankment (Special)".

SECTION THRU INTEGRAL ABUTMENT
(At Rt. Angles)



Notes:
Reinforcement bars in diaphragm are billed with superstructure on sheet 9 of 18.
Concrete in diaphragm is included with Concrete Superstructure on sheet 9 of 18.
For details of bars s(E) & s₁(E) see sheet 9 of 18.
The s(E) and s₁(E) bars shall be placed parallel to the beams. Spacing for these bars shall be at right angles to the beams.
For anchor bolt details see sheet 13 of 18.

MIN. BAR LAP
#6 bar = 2'-9"

DIAPHRAGM DETAILS
PARK STREET OVER
AN UNNAMED CREEK
F.A.S. ROUTE 754
SECTION 4RS-2, 4BR
CALHOUN COUNTY
ROADWAY STATION 6+08.50
STRUCTURE NO. 007-0026

DESIGNED	- L.E.L.
CHECKED	- REG
DRAWN	- M.T.L.
CHECKED	- L.L.L.

SECTION A-A

Dimensions at right angles to abutment, except as noted.
* Cost included with Concrete Structures.

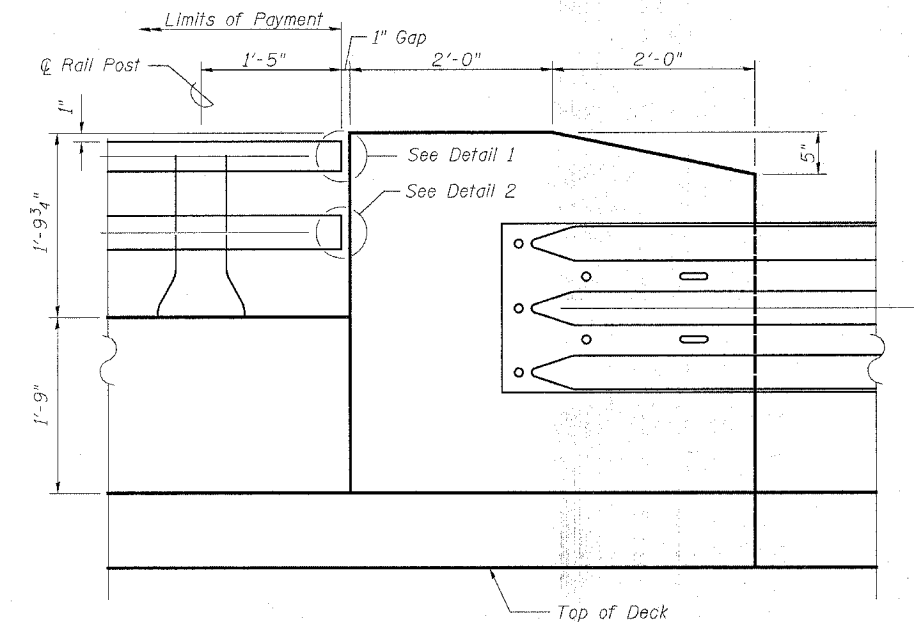
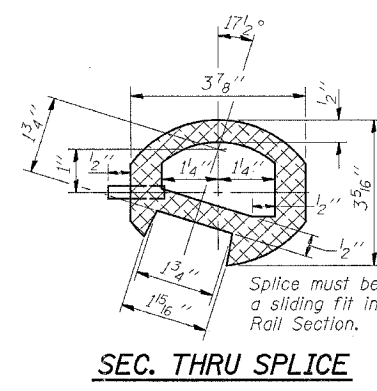
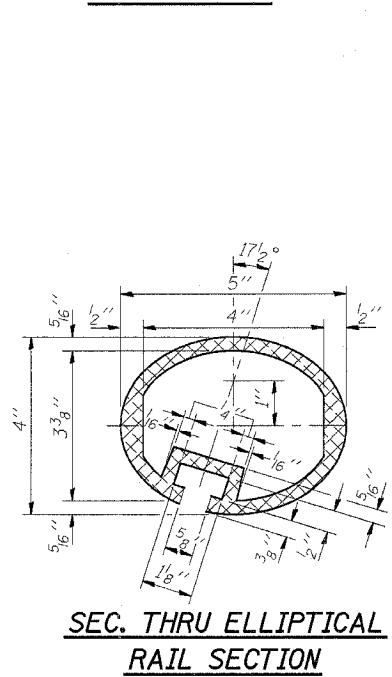
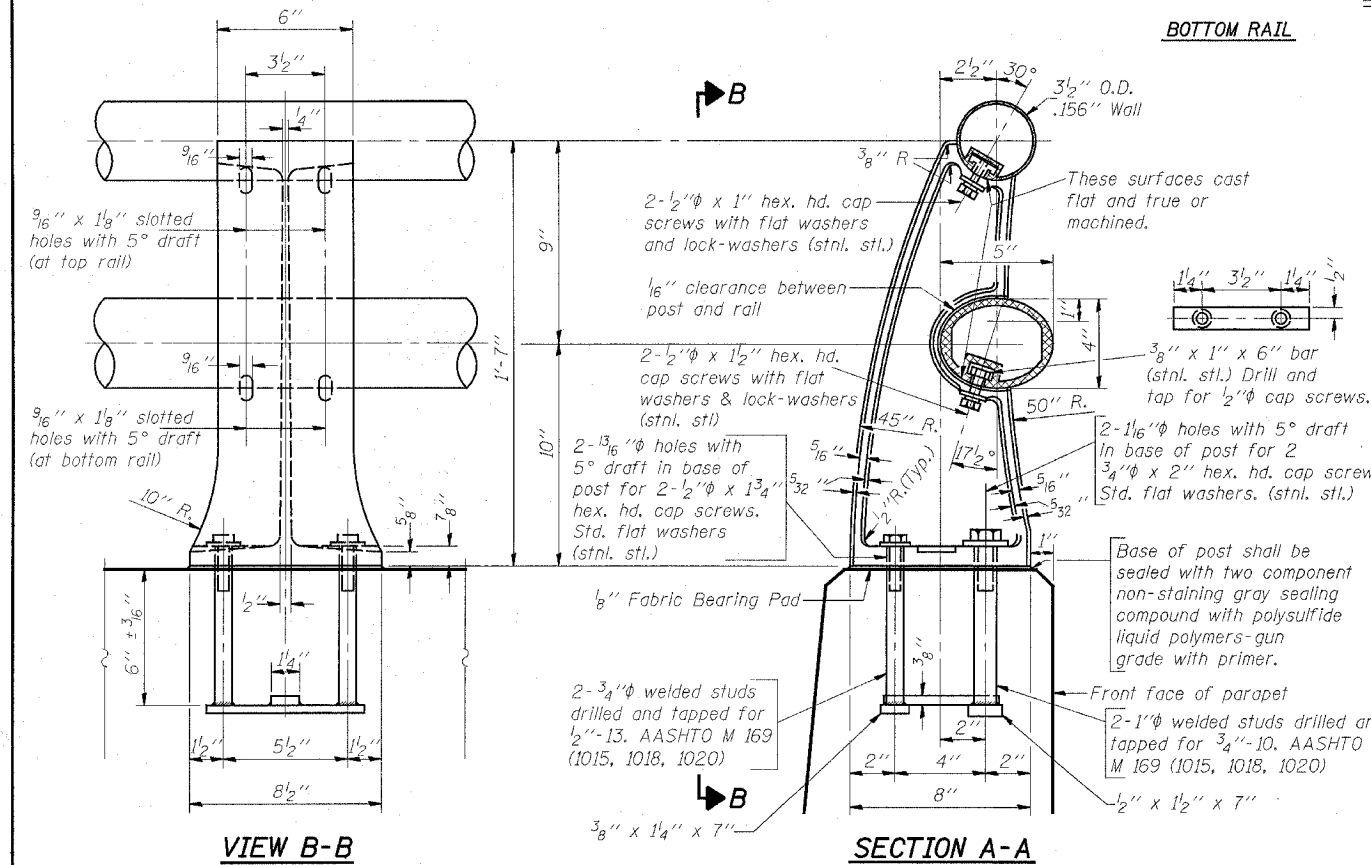
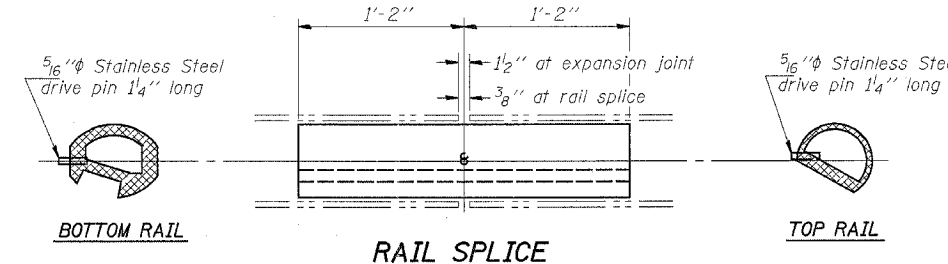
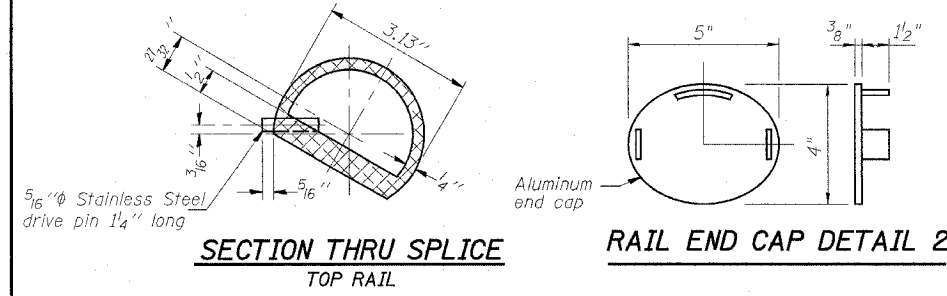
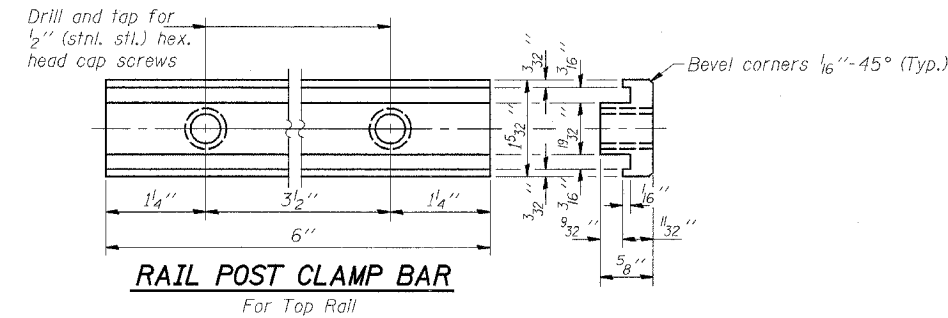
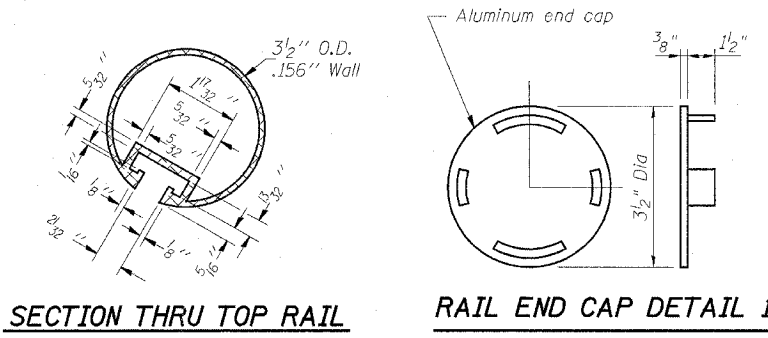
Benton & Associates, Inc.
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Phone : 217-245-4146 Fax : 217-245-4149
IL Design Firm Registration No. 184-000852

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 11
F.A.S. 754	4RS-2, 4BR	CALHOUN	87	45	20 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-			

CONTRACT NO. 76269

Notes: All Posts shall be normal to parapet.
All Aluminum Alloy Extruded Rail shall be supplied in modular lengths of 30 feet, except at the end of bridge or over open joints in bridge deck where the rail shall be attached to a minimum of 2 posts. If the rail is on a horizontal curve of 2300 foot radius or less, the modular lengths may be reduced but shall be attached to a minimum of 2 posts.
All joints in rail shall be spliced per detail.
Provide 1-1/8" and 2-1/16" Aluminum Shims for 25% of the Posts.
Rail elements shall be parallel to Grade-high spots will be ground and low spots shlimed.
Railing shall be according to Section 509 of the Standard Specifications, except as noted, and will be paid for at the contract unit price per foot for ALUMINUM RAILING, TYPE L.
Aluminum alloy rail shall conform to ASTM B 221 alloy 6061-T6 or 6351-T5 with min. yield 35 ksi, min. tensile 38 ksi, and elongation of 10% in 2 inches.
The cost of the aluminum end caps shall be included in the cost of the Type L Aluminum Railing.



ELEVATION-RAIL TERMINAL SECTION

BILL OF MATERIAL

Item	Unit	Quantity
Aluminum Railing, Type L	Foot	75

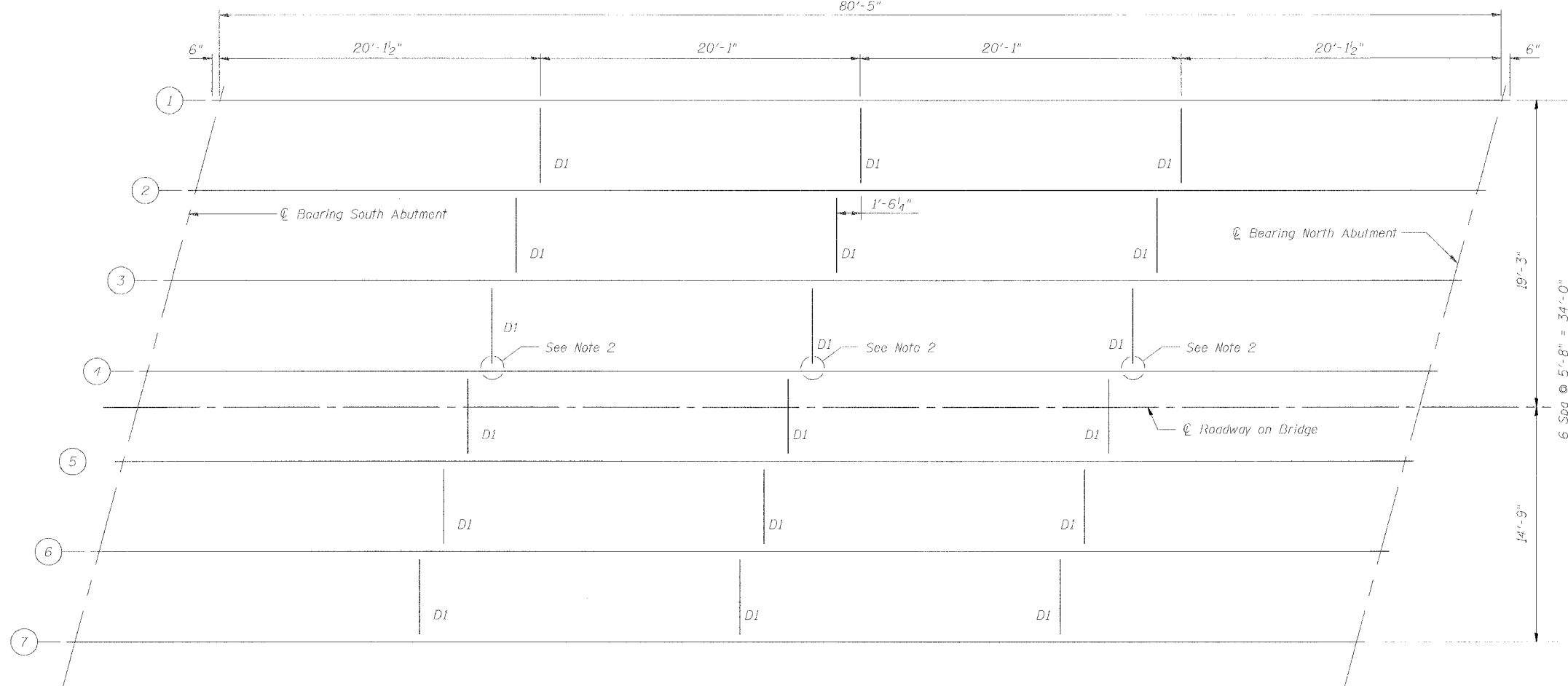
TYPE L ALUMINUM RAILING
PARK STREET OVER
AN UNNAMED CREEK
F.A.S. ROUTE 754
SECTION 4RS-2, 4BR
CALHOUN COUNTY
ROADWAY STATION 6+08.50
STRUCTURE NO. 007-0026

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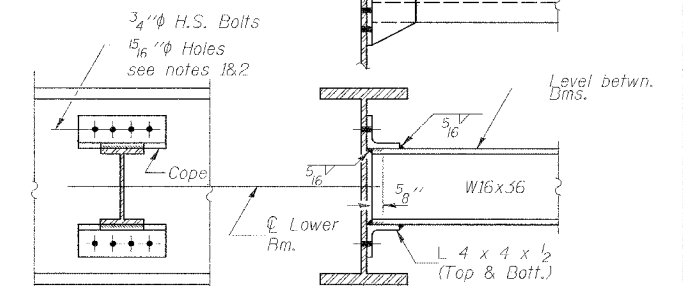
DESIGNED	- L.E.L.
CHECKED	- REG
DRAWN	- M.T.L.
CHECKED	- L.E.L.



CONTRACT NO. 76269

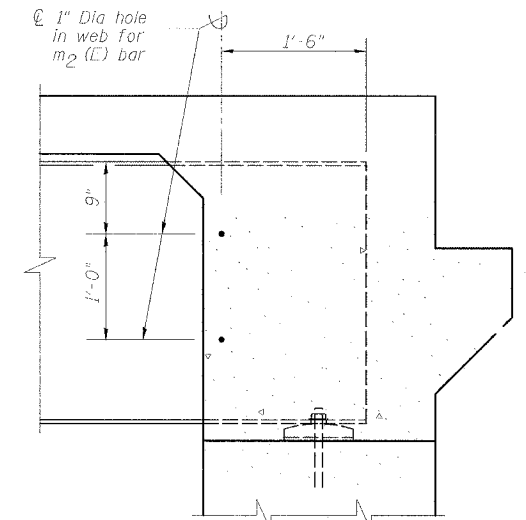


FRAMING PLAN



DIAPHRAGM D1
18 Required

- Notes:
- Two hardened washers shall be required over all oversize holes for diaphragms.
 - Provide 1 1/2" x 1 1/2" vertical slotted holes in connecting angle for diaphragm at location indicated on framing plan. Bolts for the slotted holes shall only be finger tightened prior to the Stage II deck slab pouring, and then fully tightened after the completion of pouring. Provide 5/16" structural plate washer over the slotted holes.
 - Provide 1/8" shim plate under Girder #4.



BEAM END DETAIL

FRAMING PLAN & DETAILS
PARK STREET OVER
AN UNNAMED CREEK
F.A.S. ROUTE 754
SECTION 4RS-2, 4BR
CALHOUN COUNTY
ROADWAY STATION 6+08.50
STRUCTURE NO. 007-0026

Benton & Associates, Inc.

Consulting Engineers / Land Surveyors
1970 West Lafayette Avenue Jacksonville, Illinois 62650
Phone : 217-245-4146 Fax : 217-245-4149
IL Design Firm Registration No. 184-000852

I_s and S_s are the moment of inertia and section modulus of the steel section used in computing f_s (Overload).

$I_{c(m)}$ and $S_{c(m)}$ are the moment of inertia and section modulus of the composite section used in computing stresses due to Live Load.

$I_{c(3m)}$ and $S_{c(3m)}$ are the moment of inertia and section modulus of the composite section used in computing stresses due to superimposed dead loads.

VR is the maximum Live Load + Impact shear range in span.

Z is the plastic section modulus used to determine the fully plastic moments in the non-composite areas.

M_a (Applied Moment) = $1.3TM_D + Ms_D + 5_3(M_L + M(Imp))$.

M_u is the Plastic Moment capacity.

f_s (Overload) is the sum of the stresses due to $M_D + Ms_D + 5_3(M_L + M(Imp))$.

M_D - Moment due to dead loads on non-composite section.

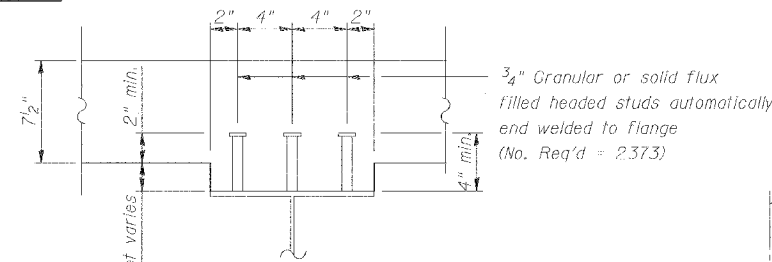
Ms_D - Moment due to dead loads on composite section.

M_L - Moment due to live load on non-composite or composite section.

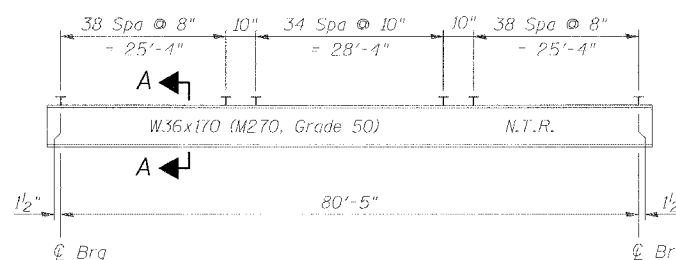
$M(Imp)$ - Moment due to live load impact on non-composite or composite section.

INTERIOR BEAM MOMENT TABLE		0.5 Sp. 1
I_s	(in ⁴)	10500
$I_c (n)$	(in ⁴)	23417
$I_c (sn)$	(in ⁴)	17131
S_s	(in ³)	580
$S_c (n)$	(in ³)	790
$S_c (sn)$	(in ³)	712
Z	(in ³)	
\bar{y}	(k/ft.)	0.75
M_D	(k)	606.3
s_D	(k/ft.)	0.43
Ms_D	(k)	347.6
M_L	(k)	602.6
$M(Imp)$	(k)	150.7
$5_3[M_L + M(Imp)]$	(k)	1256
M_a	(k)	2876
M_u	(k)	3752
$f_s \psi$ non comp	(k.s.i.)	12.5
$f_s \psi$ (comp)	(k.s.i.)	5.9
$f_s \psi_3 (L + Imp)$	(k.s.i.)	19.1
f_s (Overload)	(k.s.i.)	37.5
VR	(k)	40.8

*Compact, Braced section.



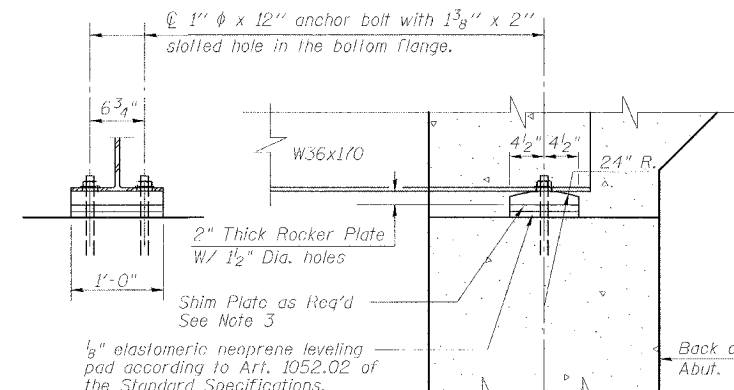
SECTION A-A



STUD SHEAR CONNECTOR SPACING

N.T.R.

All W36X170 beams shall conform to the Supplemental requirements for notch toughness, Zone 2.



ROCKER PLATE DETAIL

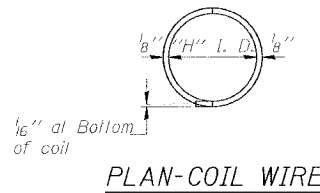
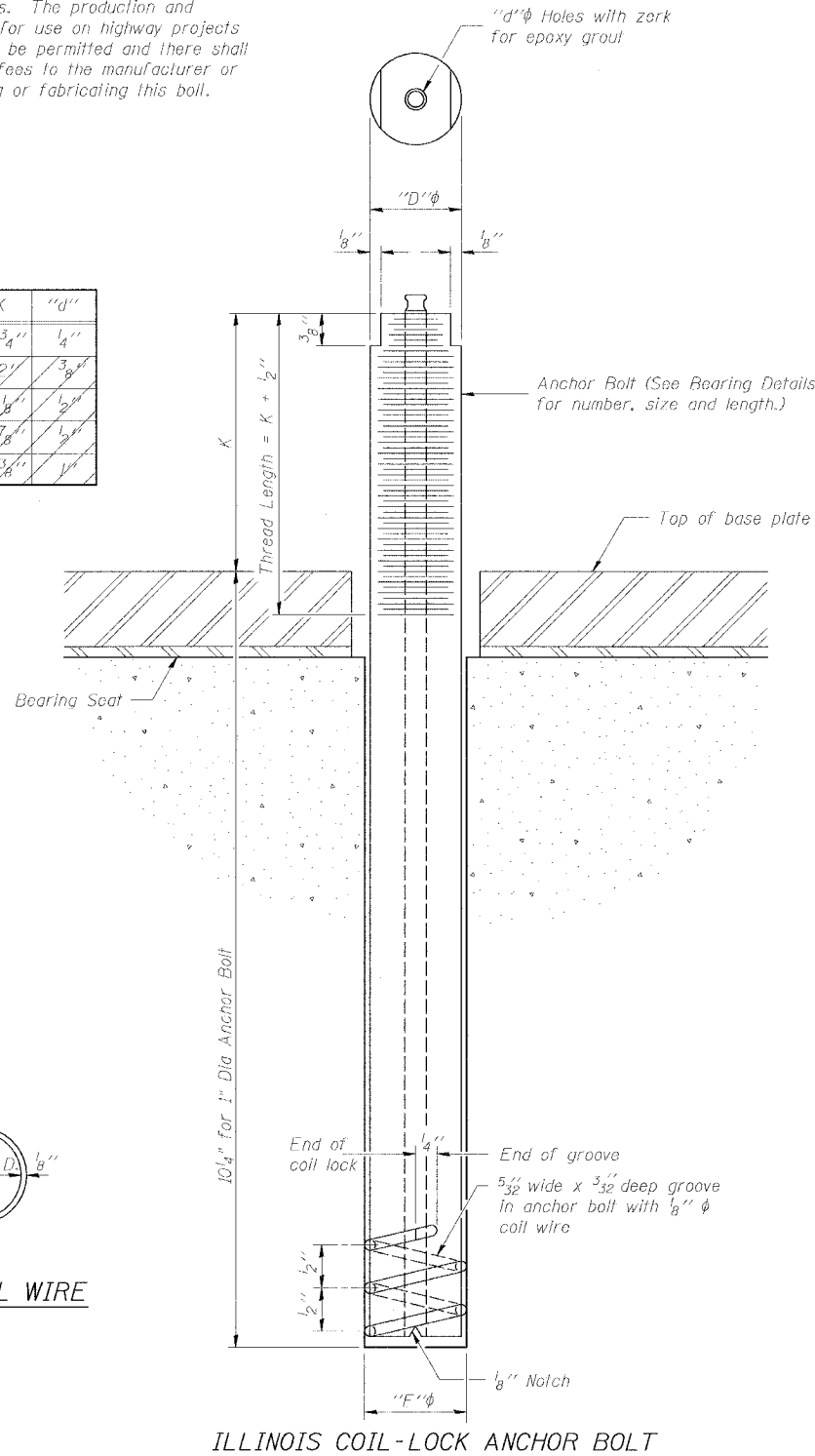
The Illinois Coil-Lock Anchor Bolt is a proprietary item which is the property of the Illinois Department of Transportation. Use, reproduction or disclosure without express written permission is prohibited and protected under Federal copyright laws. The production and the fabrication of this bolt for use on highway projects in the State of Illinois shall be permitted and there shall be no incurred charges or fees to the manufacturer or the fabricator for producing or fabricating this bolt.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 13
754	4RS-2, 4BR	CALHOUN	87	47	20 SHEETS
FED. ROAD DIST. NO. 7		ILLINOIS	FED. ROAD PROJECT		

CONTRACT NO. 76269

D	E	H	K	"d"
1"	1 1/8"	1 3/16"	1 3/4"	1/4"
1 1/4"	1 5/8"	1 1/2"	2"	3/8"
1 1/2"	1 5/8"	1 5/8"	2 1/2"	1/2"
1 3/4"	2"	1 3/4"	2 7/8"	5/8"
2"	2 1/8"	2 1/8"	3 1/2"	3/4"



MATERIALS FOR ILLINOIS COIL-LOCK ANCHOR BOLT

The anchor bolt shall be fabricated from cold drawn or hot finished seamless carbon steel mechanical tubing conforming to ASTM A 519, Grade 1026, CW and supplied with hexagonal nuts and cul washers.
The coil wire shall be made of any suitable soft steel wire.
The finished anchor bolt shall be cleaned of rust and other foreign materials and wrapped or packaged to prevent contamination until they are installed.
The epoxy grout shall be a two-component, epoxy resin bonding system conforming to ASTM C 881, Type 1, Grade 1 and of a Class suitable for the temperature of installation.

INSTALLATION PROCEDURE for the ILLINOIS COIL-LOCK ANCHOR BOLT

1. With the coil wire in place, the bolt shall be inserted into the hole and turned clockwise to a snug fit in the hole. Nut and washer shall be placed on the bolt. The nut shall be tensioned until the steel base plates are held securely to the concrete bearing seat.
2. Epoxy grout shall be pumped through the zerk fitting with a pressure gun. Pumping shall continue until the epoxy overflows the hole around the bolt shank. After pumping is discontinued, excess epoxy shall be immediately wiped off.

ALTERNATE ANCHOR BOLTS

The Contractor may use, at his option, the capsule or the adhesive cartridge type anchor rods that have been previously tested and given a prior approval by the Department. The Contractor shall install these anchor rods in pre-drilled holes according to the manufacturer's recommendations and procedures.

- The capsule or the adhesive cartridge type anchor rods shall be a two part system composed of:
1. A threaded rod stud with nut and washer of the type specified.
 2. A sealed glass capsule or a sealed glass adhesive cartridge containing premeasured amounts of the adhesive chemical.

Location	Type
N. Abut.	ASTM A307
S. Abut.	ASTM A307

ASTM F 1554 Grade 105, ASTM A 449 and AASHTO M 314 Grade 105 anchor bolts may be substituted for the anchor bolts shown above.

GENERAL NOTES

Holes in the masonry for anchor bolts shall be drilled through the base plates to the diameter and depth shown or according to the manufacturer's recommendation after beams or girders have been erected and adjusted.
Prior to setting the bolts, the holes shall be dry and all dust and loose particles shall be removed by the use of compressed air or vacuuming.
The anchor bolts, furnished and installed including the epoxy grout or capsules shall not be paid for separately but shall be included in the unit bid price for "Furnishing and Erecting Structural Steel".

ANCHOR BOLT DETAILS
PARK STREET OVER
AN UNNAMED CREEK
F.A.S. ROUTE 754
SECTION 4RS-2, 4BR
CALHOUN COUNTY
ROADWAY STATION 6+08.50
STRUCTURE NO. 007-0026

Benton & Associates, Inc.
Consulting Engineers / Land Surveyors
1970 West Lafayette Avenue Jacksonville, Illinois 62650
Phone : 217-245-4146 Fax : 217-245-4149
IL Design Firm Registration No. 184-000852

DESIGNED	- L.E.L.
CHECKED	- RFG
DRAWN	- M.T.L.
CHECKED	- L.E.L.

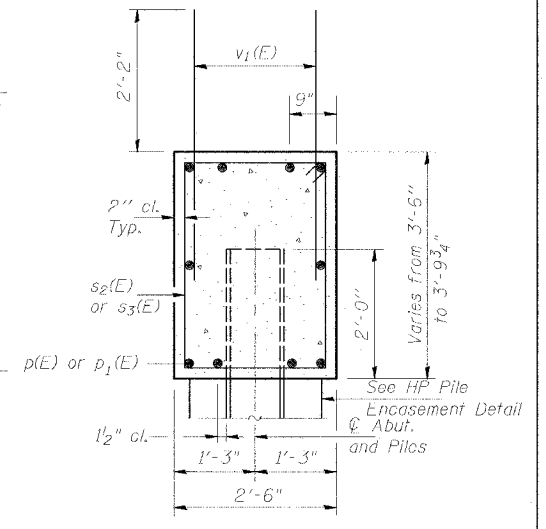
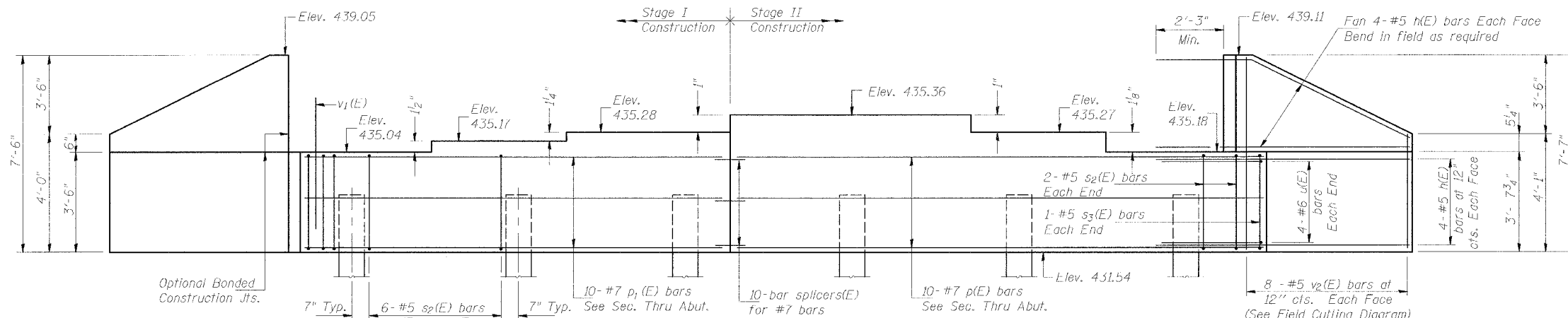
ABB-1 4 30 99

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

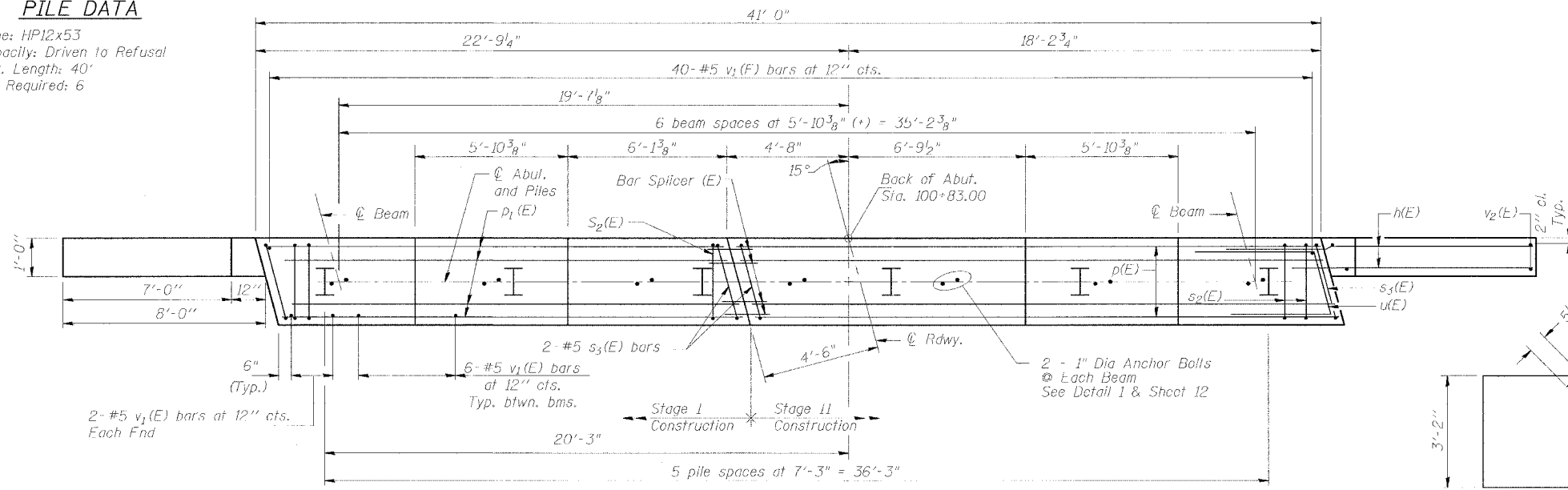
PROJECT NO.	SECTION	COUNTY	SHEET	SHEET NO.
754	4RS-2, 4BR	CALHOUN	87	48
FED. ROAD DIST. NO. 7		FED. AID PROJECT		20 SHEETS

CONTRACT NO. 76269

Notes: Pour steps monolithically with cap.
Reinforcement bars designated (E)
shall be epoxy coated.

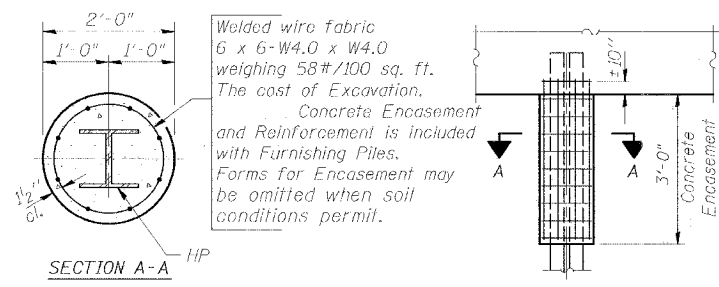
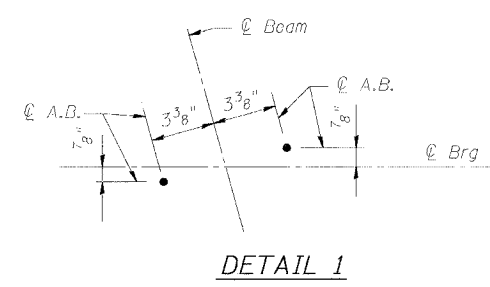


PILE DATA
Type: HP12x53
Capacity: Driven to Refusal
Est. Length: 40'
No. Required: 6

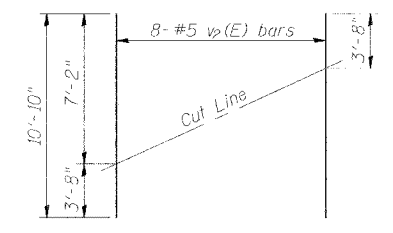


BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	32	#5	11'-1"	—
p(E)	10	#7	22'-6"	—
p ₁ (E)	10	#7	17'-9"	—
s ₂ (E)	34	#5	11'-7"	□
s ₃ (E)	4	#5	11'-9"	□
u(E)	8	#6	7'-6"	└
v ₁ (E)	80	#5	4'-4"	—
v ₂ (E)	16	#5	10'-10"	—
Concrete Structures		Cu. Yd.	17.6	
Reinforcement Bars, Epoxy Coated		Pound	2290	
Structure Excavation		Cu. Yd.	150	
Furnishing Steel Piles HP12x53		Foot	240	
Driving Steel Piles		Foot	240	
Metal Shoes		Each	6	
Bar Splicers		Each	10	

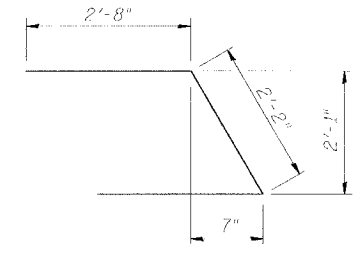


PILE ENCASEMENT DETAIL



FIELD CUTTING DIAGRAM

BARS s₂(E) & s₃(E)



NORTH ABUTMENT
PARK STREET OVER
AN UNNAMED CREEK
F.A.S. ROUTE 754
SECTION 4RS-2, 4BR
CALHOUN COUNTY
ROADWAY STATION 6+08.50
STRUCTURE NO. 007-0026

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IL Design Firm Registration No. 184-000852

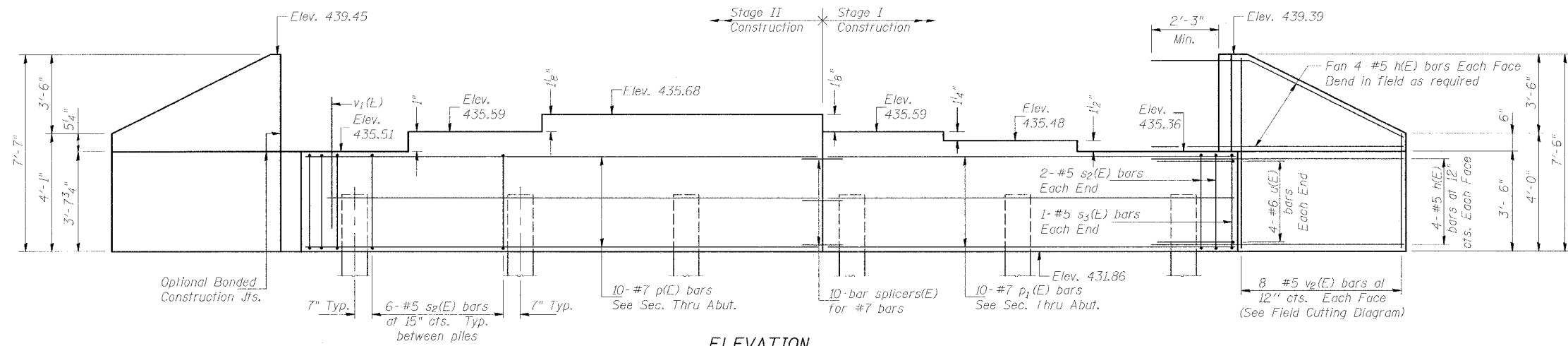
DESIGNED	- L.E.L.
CHECKED	- REC
DRAWN	- M.T.L.
CHECKED	- L.E.L.

Notes: Pour steps monolithically with cap.
Reinforcement bars designated (E)
shall be epoxy coated.

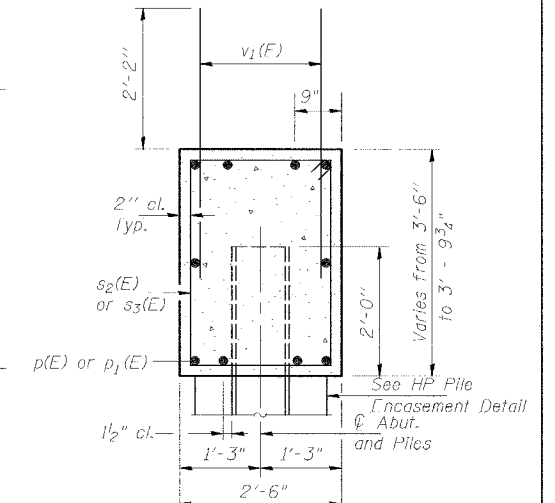
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 15 20 SHEETS
F.A.S. 754	4RS 2, 4BR	CALHOUN	87	49	
FED. ROAD DIST. NO. 7	D.I. INSTR.	FED. AID PROJECT-			

CONTRACT NO. 76269



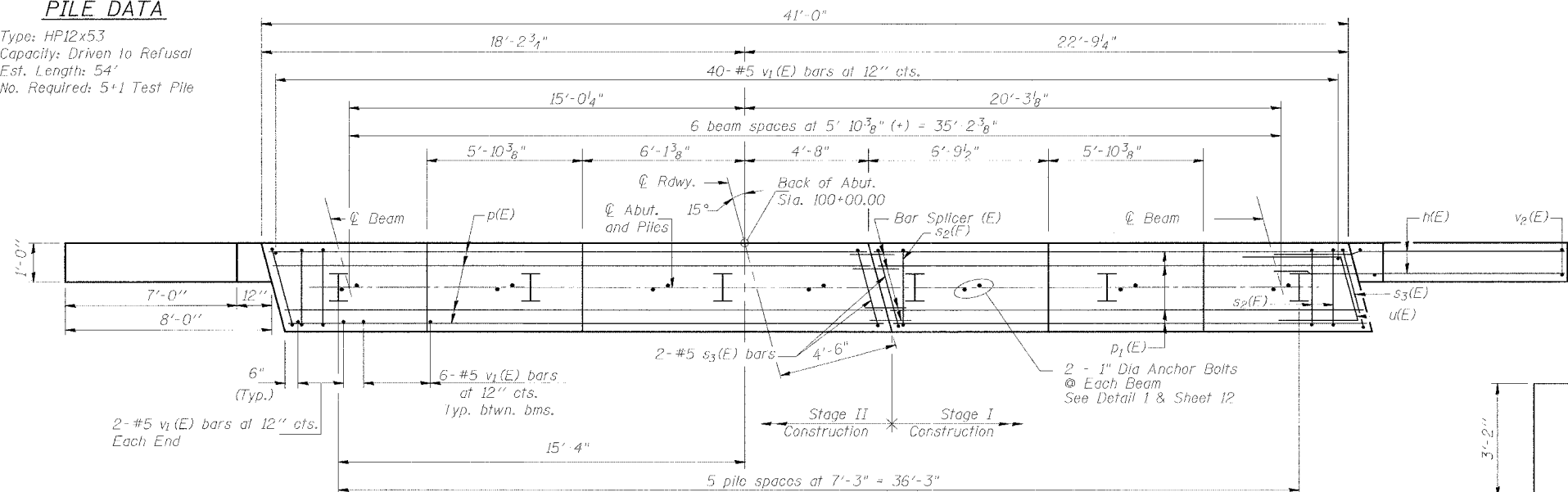
ELEVATION
(Looking South)



SEC. THRU ABUT.

PILE DATA

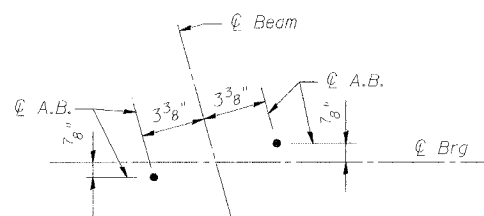
Type: HP12x53
Capacity: Driven to Refusal
Est. Length: 54'
No. Required: 5+1 Test Pile



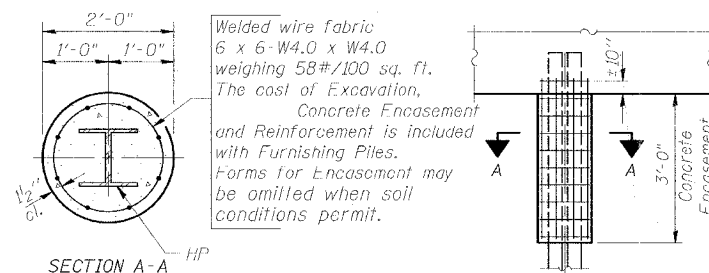
PLAN

BILL OF MATERIAL

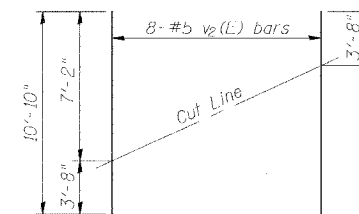
Bar	No.	Size	Length	Shape	
h(E)	32	#5	11'-1"	—	
p(E)	10	#7	22'-6"	—	
p1(E)	10	#7	17'-9"	—	
s2(E)	34	#5	11'-7"	□	
s3(E)	4	#5	11'-9"	□	
u(E)	8	#6	7'-6"	∟	
v1(E)	80	#5	4'-4"	—	
v2(E)	16	#5	10'-10"	—	
Concrete Structures				Cu. Yd.	17.6
Reinforcement Bars Epoxy Coated				Pound	2290
Structure Excavation				Cu. Yd.	150
Furnishing Steel Piles HP12x53				Foot	270
Driving Steel Piles				Foot	270
Test Pile Steel HP12x53				Each	1
Metal Shoes				Each	5
Bar Splicers				Each	10



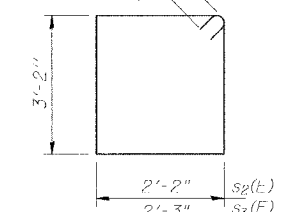
DETAIL 1



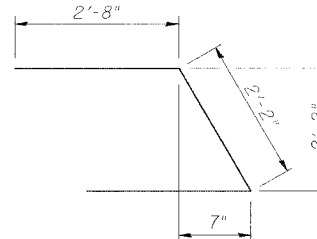
PILE ENCASEMENT DETAIL



FIELD CUTTING DIAGRAM



BARS s2(E) & s3(E)



BAR u(E)

DESIGNED	- L.E.L.
CHECKED	- REG
DRAWN	- M.T.L.
CHECKED	- L.E.L.

SOUTH ABUTMENT
PARK STREET OVER
AN UNNAMED CREEK
F.A.S. ROUTE 754
SECTION 4RS-2, 4BR
CALHOUN COUNTY
ROADWAY STATION 6+08.50
STRUCTURE NO. 007-0026

Benton & Associates, Inc.
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1970 West Lafayette Avenue Jacksonville, Illinois 62650
Phone : 217-245-4146 Fax : 217-245-4149
IL Design Firm Registration No. 184-000852

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	DISTRICT	COUNTY	DISTRICT	SHEET NO.	SHEET NO. 16 20 SHEETS
F.A.S. 75#	4RS-2, 4BR	CALHOUN	87	50	
ILLINOIS		FEDERAL PROJECT			

CONTRACT NO. 76269

NOTES

Bar splicer assemblies shall be of an approved type and shall develop in tension at least 125 percent of the yield strength of the lapped reinforcement bars.
Splicer rods shall be of minimum 60 ksi yield strength, threaded or coiled full length.
All reinforcement bars shall be lapped and tied to the splicer rods or dowel bars.
Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars.
Other systems of similar design may be submitted to the Engineer for approval. Approval shall be based on certified test results from an approved testing laboratory that the proposed bar splicer assembly satisfies the following requirements:

- ① Minimum Capacity (Tension in kips) = $1.25 \times f_y \times A_T$
- ② Minimum *Pull-out Strength (Tension in kips) = $1.25 \times f_{s,allow} \times A_T$

Where f_y = Yield strength of lapped reinforcement bars in ksi.
 $f_{s,allow}$ = Allowable tensile stress in lapped reinforcement bars in ksi (Service Load)
 A_T = Tensile stress area of lapped reinforcement bars.
* = 28 day concrete

BAR SPLICER ASSEMBLIES			
Bar Size to be Spliced	Splicer Rod or Dowel Bar Length	Strength Requirements	
		Min. Capacity kips - tension	Min. Pull-Out Strength kips - tension
#4	1'-0"	14.7	5.9
#5	2'-0"	23.0	9.2
#6	2'-7"	33.1	13.3
#7	3'-5"	45.1	18.0
#8	4'-6"	58.9	23.6
#9	5'-9"	75.0	30.0
#10	7'-3"	95.0	38.0
#11	9'-0"	117.4	46.8

Bar splicer assemblies shall be according to Section 508 of the Standard Specifications, except as noted. The furnishing and installation of bar splicer assemblies will be measured and paid for at the contract unit price each for "BAR SPLICERS".

The diameter of this part is equal or larger than the diameter of bar spliced.

ROLLED THREAD DOWEL BAR



** ONE PIECE

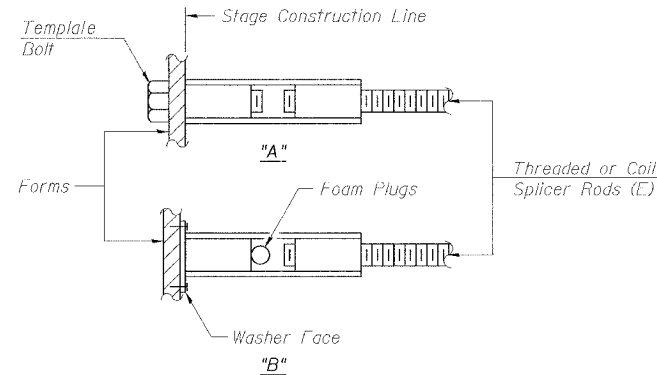
Wire Connector



WELDED SECTIONS

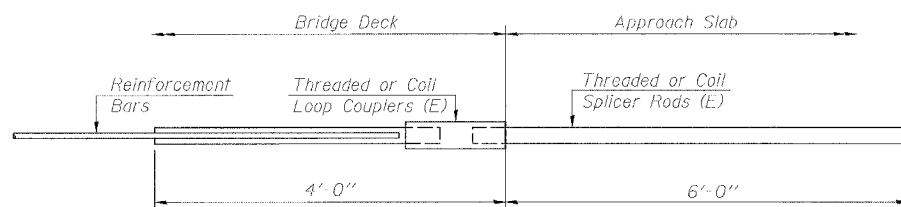
BAR SPLICER ASSEMBLY ALTERNATIVES

** Heavy Hex Nuts conforming to ASTM A 563, Grade C, D or DH may be used.



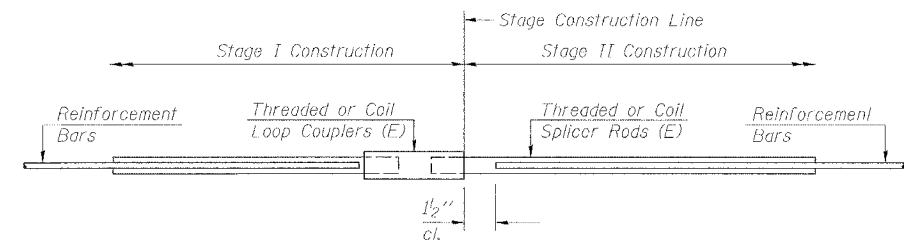
INSTALLATION AND SETTING METHODS

"A" : Set bar splicer assembly by means of a template bolt.
"B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.
(E) : Indicates epoxy coating.



FOR INTEGRAL OR SEMI-INTEGRAL ABUTMENTS

Bar Splicer for #5 bar	
Min. Capacity =	23.0 kips - tension
Min. Pull-out Strength =	9.2 kips - tension
No. Required =	64



STANDARD

Bar Size	No. Assemblies Required	Location
#5	233	Superstructure
#6	16	Superstructure
#7	20	Substructure

BAR SPLICER DETAIL
PARK STREET OVER
AN UNNAMED CREEK
F.A.S. ROUTE 754
SECTION 4RS-2, 4BR
CALHOUN COUNTY
ROADWAY STATION 6+08.50
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DESIGNED	- L.E.L.
CHECKED	- RFG
DRAWN	- M.T.L.
CHECKED	- L.E.L.

BSD-1 10-31-02

Page 1 of 2

Illinois Department of Transportation
Division of Highways
SOIL BORING LOG

DATE 5/19/00

ROUTE FAS 754 DESCRIPTION Park Street Bridge Overpass LOGGED BY Larry Ford

SECTION 4RS-2,4BR LOCATION SEC. 27, TWP. 11S, RNG. 2W, 4 PM

COUNTY Calhoun DRILLING METHOD Hollow Stem HAMMER TYPE Automatic

STRUCT. NO.	DRILLING METHOD	DEPTH (ft)	SOIL TYPE	UNCONSOLIDATED SOIL	UCS FAILURE MODE	SPT (N)
007-0015	Hollow Stem	0.0	Surface Water Elev.			
		0.0	Stream Bed Elev.			
		0.0	Groundwater Elev.			
		0.0	First Encounter			
		0.0	Upon Completion			
		0.0	After			
		1.0	Brown and Gray Silty Clay LOAM (continued)	2	B	11
		1.0		5	S/15	25
		2.0	Brown and Gray Silty Clay LOAM	2	B	11
		2.0		4	S/15	19
		3.0		3	B	26
		4.0		2	B	19
		5.0		3	S/15	23
		6.0		2	B	19
		7.0		3	S/15	23
		8.0	Brown SAND	1	NC	
		9.0	See gradation #ISABUT, 28	2	NC	39
		10.0		2	NC	39
		11.0		2	NC	39
		12.0		2	NC	39
		13.0		2	NC	39
		14.0		2	NC	39
		15.0		2	NC	39
		16.0		2	NC	39
		17.0		2	NC	39
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		86.0		2	NC	39
		87.0		2	NC	39
		88.0		2	NC	39
		89.0		2	NC	39
		90.0		2	NC	39
		91.0		2	NC	39
		92.0		2	NC	39
		93.0		2	NC	39
		94.0		2	NC	39
		95.0		2	NC	39
		96.0		2	NC	39
		97.0		2	NC	39
		98.0		2	NC	39
		99.0		2	NC	39
		100.0		2	NC	39

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, from 137 (Rev. 8-99)

Page 1 of 2

Illinois Department of Transportation
Division of Highways
SOIL BORING LOG

DATE 5/22/00

ROUTE FAS 754 DESCRIPTION Park Street Bridge Overpass LOGGED BY Larry Ford

SECTION 4RS-2,4BR LOCATION SEC. 27, TWP. 11S, RNG. 2W, 4 PM

COUNTY Calhoun DRILLING METHOD Hollow Stem HAMMER TYPE Automatic

STRUCT. NO.	DRILLING METHOD	DEPTH (ft)	SOIL TYPE	UNCONSOLIDATED SOIL	UCS FAILURE MODE	SPT (N)
007-0015	Hollow Stem	0.0	Surface Water Elev.			
		0.0	Stream Bed Elev.			
		0.0	Groundwater Elev.			
		0.0	First Encounter			
		0.0	Upon Completion			
		0.0	After			
		1.0	Brown and Gray Silty Clay LOAM (continued)	2	B	11
		1.0		5	S/15	25
		2.0	Petroleum product contamination detected in soil through 2ft.			
		3.0	Gray Silty CLAY	4	S/15	33
		4.0		3	B	29
		5.0		2	S/15	22
		6.0		2	S/15	22
		7.0		2	S/15	22
		8.0		2	S/15	22
		9.0		2	S/15	22
		10.0		2	S/15	22
		11.0		2	S/15	22
		12.0		2	S/15	22
		13.0		2	S/15	22
		14.0		2	S/15	22
		15.0		2	S/15	22
		16.0		2	S/15	22
		17.0		2	S/15	22
		18.0		2	S/15	22
		19.0		2	S/15	22
		20.0		2	S/15	22
		21.0		2	S/15	22
		22.0		2	S/15	22
		23.0		2	S/15	22
		24.0		2	S/15	22
		25.0		2	S/15	22
		26.0		2	S/15	22
		27.0		2	S/15	22
		28.0		2	S/15	22
		29.0		2	S/15	22
		30.0		2	S/15	22
		31.0		2	S/15	22
		32.0		2	S/15	22
		33.0		2	S/15	22
		34.0		2	S/15	22
		35.0		2	S/15	22
		36.0		2	S/15	22
		37.0		2	S/15	22
		38.0		2	S/15	22
		39.0		2	S/15	22
		40.0		2	S/15	22
		41.0		2	S/15	22
		42.0		2	S/15	22
		43.0		2	S/15	22
		44.0		2	S/15	22
		45.0		2	S/15	22
		46.0		2	S/15	22
		47.0		2	S/15	22
		48.0		2	S/15	22
		49.0		2	S/15	22
		50.0		2	S/15	22
		51.0		2	S/15	22
		52.0		2	S/15	22
		53.0		2	S/15	22
		54.0		2	S/15	22
		55.0		2	S/15	22
		56.0		2	S/15	22
		57.0		2	S/15	22
		58.0		2	S/15	22
		59.0		2	S/15	22
		60.0		2	S/15	22
		61.0		2	S/15	22
		62.0		2	S/15	22
		63.0		2	S/15	22
		64.0		2	S/15	22
		65.0		2	S/15	22
		66.0		2	S/15	22
		67.0		2	S/15	22
		68.0		2	S/15	22
		69.0		2	S/15	22
		70.0		2	S/15	22
		71.0		2	S/15	22
		72.0		2	S/15	22
		73.0		2	S/15	22
		74.0		2	S/15	22
		75.0		2	S/15	22
		76.0		2	S/15	22
		77.0		2	S/15	22
		78.0		2	S/15	22
		79.0		2	S/15	22
		80.0		2	S/15	22
		81.0		2	S/15	22
		82.0		2	S/15	22
		83.0		2	S/15	22
		84.0		2	S/15	22
		85.0		2	S/15	22
		86.0		2	S/15	22
		87.0		2	S/15	22
		88.0		2	S/15	22
		89.0		2	S/15	22
		90.0		2	S/15	22
		91.0		2	S/15	22
		92.0		2	S/15	22
		93.0		2	S/15	22
		94.0		2	S/15	22
		95.0		2	S/15</	

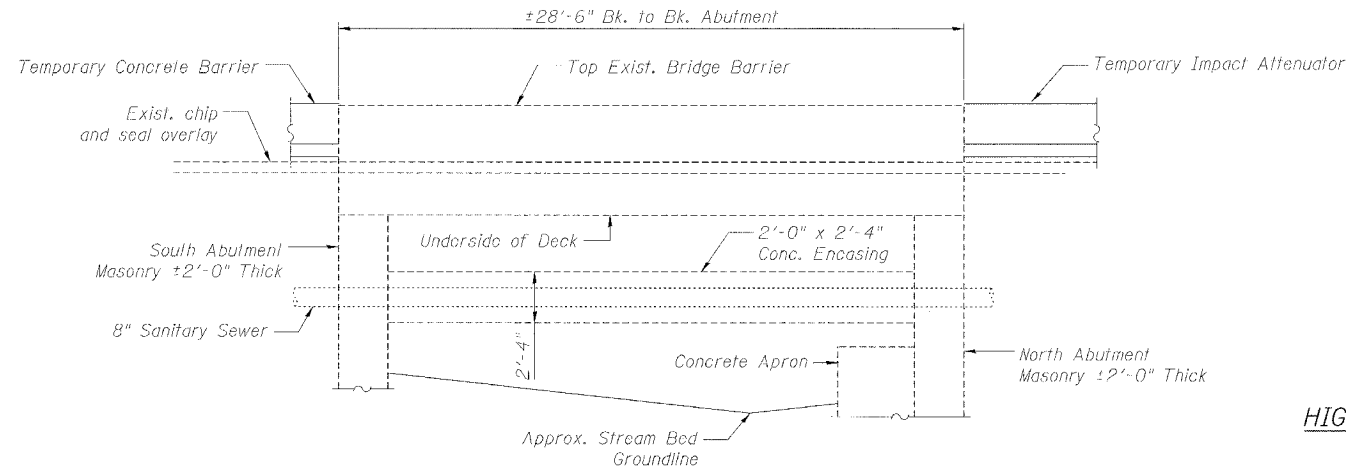
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEET NO.	SHEET NO.
F.A.S. 754	4RS-2, 4BR	CALHOUN	87	53
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

Contract # 76269

EXISTING STRUCTURE:

Structure No. 007-5012, single span, reinforced concrete slab bridge, stone masonry abutments and wing walls, 0° skew, '28'-6" back to back abutments, 22'-6" out to out deck.



HIGHWAY CLASSIFICATION

Route: North County Road
Functional Class: Local Street
ADT: 2000 (Temp. Detour)
Posted Speed: 35 m.p.h.

LOADING 9 TON AXLE LOAD

DESIGN SPECIFICATIONS

1996 AASHTO with 1997 thru 2002 Interims

NOTES:

Plan dimensions and details relative to existing structure have been taken from field measurements. It shall be the Contractor's responsibility to verify such dimensions and details in the field and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in the scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price for the work.

Masonry reconstruction, masonry cleaning and tuckpointing, and gabion installation and backfill shall be completed prior to installation of temporary barrier and impact attenuators.

Excavation for gabion construction shall be included in the cost of masonry removal.

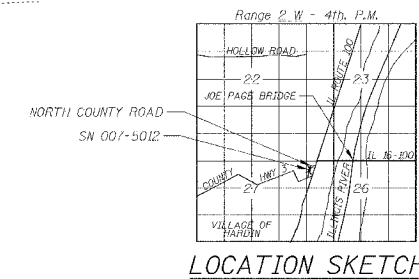
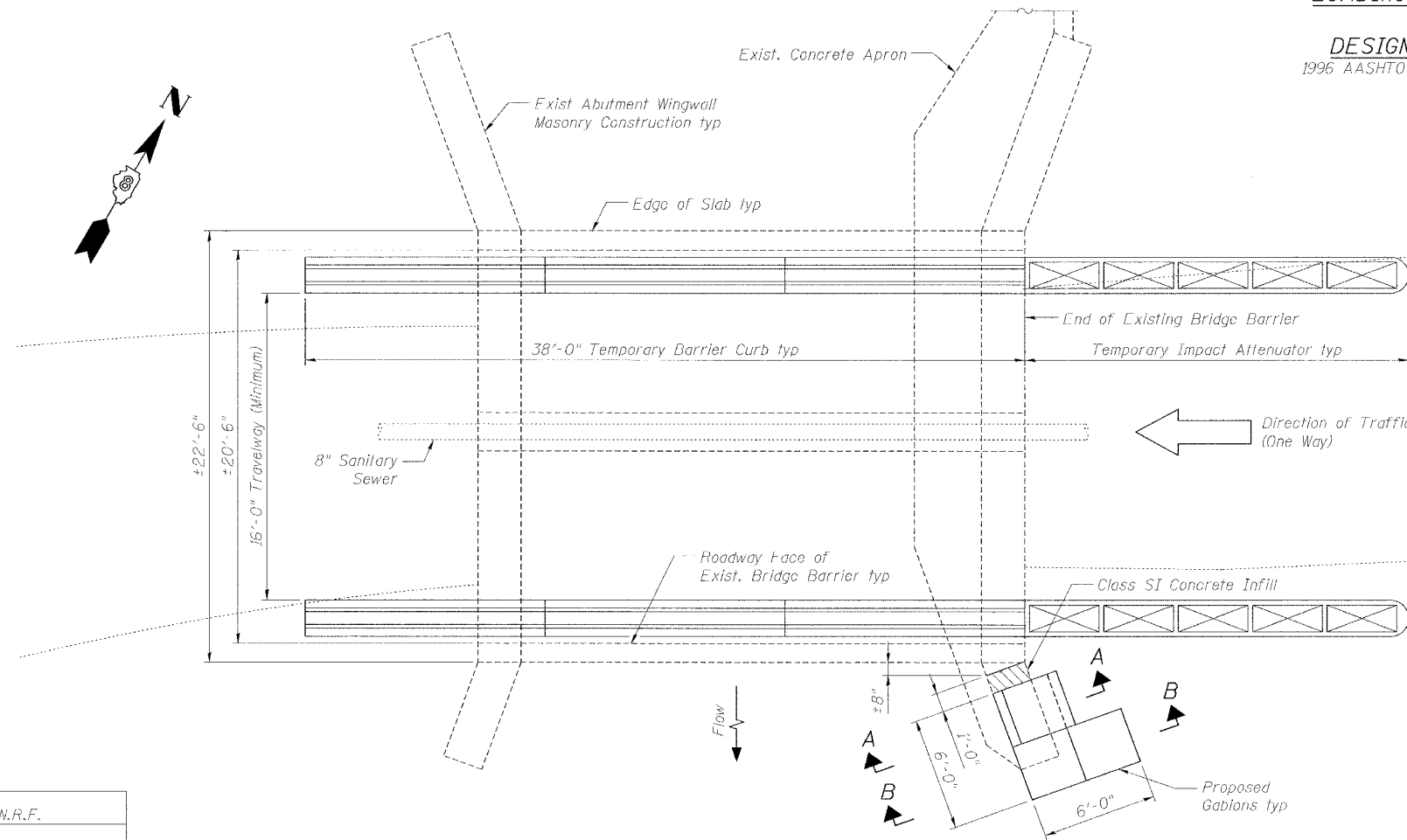
Masonry removal lines shall generally follow existing joints between the stone masonry units.

The Class SI concrete infill shall be placed in direct contact and worked into the joints of the existing masonry abutment. The gabions shall be protected from concrete contact by use of one layer of filter fabric. The exposed face of the concrete infill shall have a formed or wood trowel finish. No direct payment will be made for the Class SI concrete infill between the proposed gabions and the existing abutment.

Excavation necessary to complete the masonry cleaning and tuckpointing shall be included in the cost of masonry cleaning and tuckpointing.

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Gabions	Cu Yd	4
Masonry Removal	Cu Yd	2
Temporary Concrete Barrier	Foot	80
Impact Attenuators, Temporary (Fully Re-Directive, Narrow), Test Level 2	Each	2
Masonry Cleaning and Tuckpointing	Sq Yd	53
Filter Fabric	Sq Yd	10
Masonry Reconstruction	Sq Yd	2
Structural Inspection	L Sum	1



LOCATION SKETCH

DETOUR ROUTE SN 007-5012
PARK STREET OVER
AN UNNAMED CREEK
F.A.S. ROUTE 754
SECTION 4RS-2, 4BR
CALHOUN COUNTY
ROADWAY STATION 6+08.50
STRUCTURE NO. 007-0026

Benton & Associates, Inc.
Consulting Engineers / Land Surveyors
1970 West Lafayette Avenue Jacksonville, Illinois 62650
Phone : 217-245-4146 Fax : 217-245-4149
IL Design Firm Registration No. 184-000852

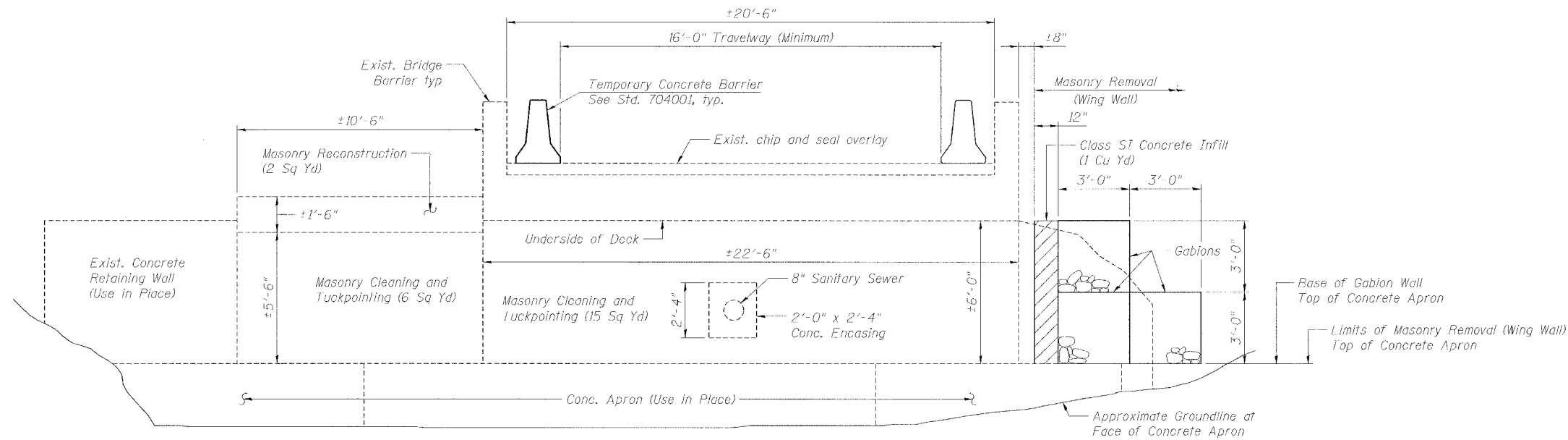
DESIGNED	- N.R.F.
CHECKED	- L.E.L.
DRAWN	- N.R.F.
CHECKED	- L.E.L.

See Sheet 20 of 20 for Sections 'A-A' and 'B-B'

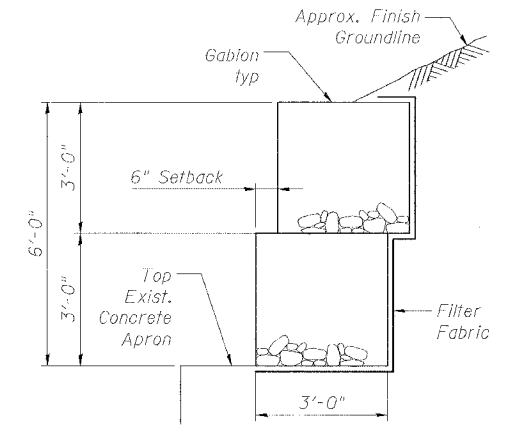
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	LISTED SHEETS	SHEET NO.	SHEET NO. 20
F.A.S. 754	4RS-2, 4BR	CALHOUN	87	54	20 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-			

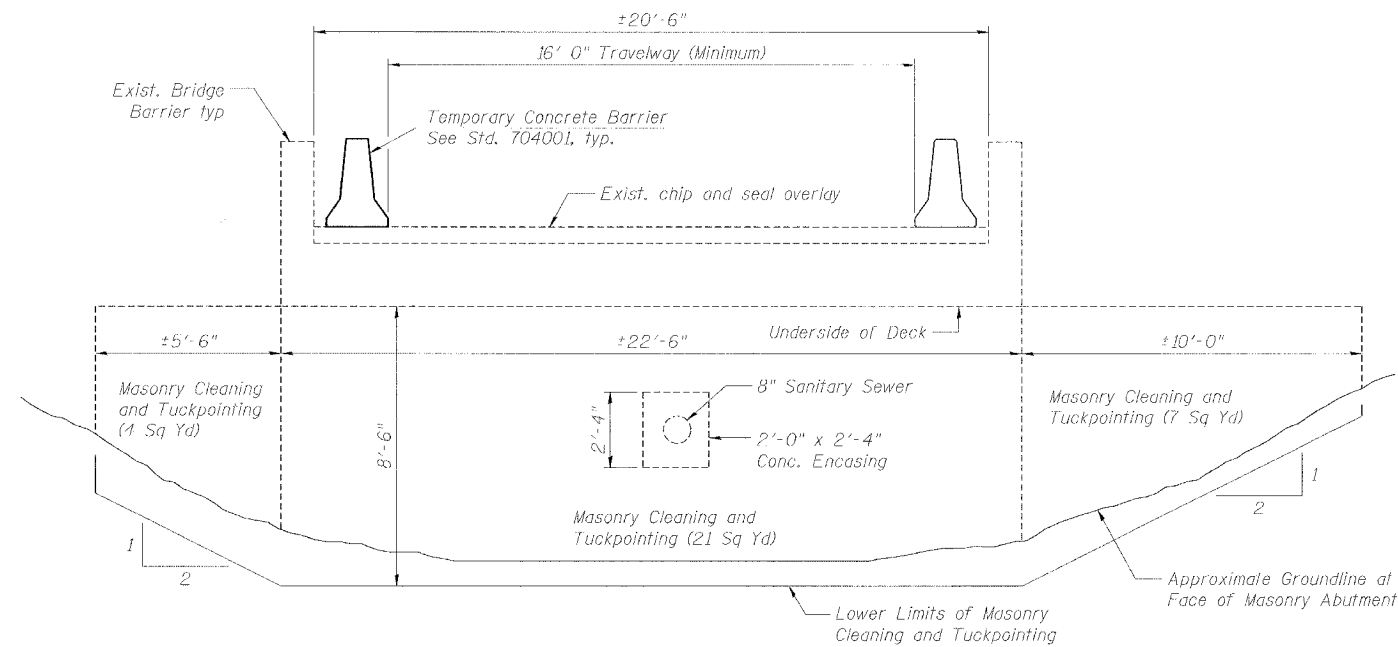
Contract # 76269



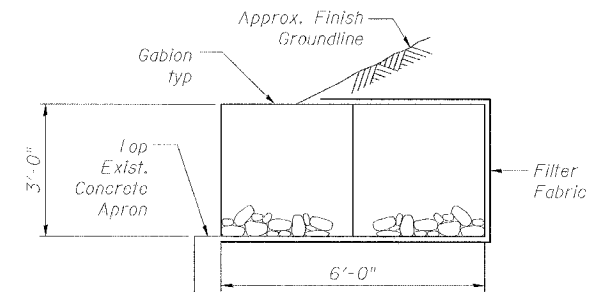
NORTH ABUTMENT DEVELOPED ELEVATION



SECTION A-A



SOUTH ABUTMENT DEVELOPED ELEVATION



SECTION B-B

See Sheet 19 of 20 for Location of Sections 'A-A' and 'B-B'

DETOUR ROUTE SN 007-5012
PARK STREET OVER
AN UNNAMED CREEK
F.A.S. ROUTE 754
SECTION 4RS-2, 4BR
CALHOUN COUNTY
ROADWAY STATION 6+08.50
STRUCTURE NO. 007-0026

Benton & Associates, Inc.
Consulting Engineers / Land Surveyors
1970 West Lafayette Avenue Jacksonville, Illinois 62650
Phone : 217-245-4146 Fax : 217-245-4149
IL Design Firm Registration No. 184-000852

DESIGNED -	N.R.F.
CHECKED -	L.E.L.
DRAWN -	N.R.F.
CHECKED -	L.E.L.



SOIL BORING LOG

Table with columns for SOIL BORING LOG details including ROUTE, SECTION, LOCATION, COUNTY, DRILLING METHOD, HAMMER TYPE, and a detailed log of soil layers with elevations and SPT values.

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) BBS, from 137 (Rev. 8-99)



SOIL BORING LOG

Table with columns for SOIL BORING LOG details including ROUTE, SECTION, LOCATION, COUNTY, DRILLING METHOD, HAMMER TYPE, and a detailed log of soil layers with elevations and SPT values.

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) BBS, from 137 (Rev. 8-99)



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Table with columns for SOIL BORING LOG details including ROUTE, SECTION, LOCATION, COUNTY, DRILLING METHOD, HAMMER TYPE, and a detailed log of soil layers with elevations and SPT values.

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) BBS, from 137 (Rev. 8-99)



SOIL BORING LOG

Table with columns for SOIL BORING LOG details including ROUTE, SECTION, LOCATION, COUNTY, DRILLING METHOD, HAMMER TYPE, and a detailed log of soil layers with elevations and SPT values.

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) BBS, from 137 (Rev. 8-99)



SOIL BORING LOG

Table with columns for SOIL BORING LOG details including ROUTE, SECTION, LOCATION, COUNTY, DRILLING METHOD, HAMMER TYPE, and a detailed log of soil layers with elevations and SPT values.

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) BBS, from 137 (Rev. 8-99)



SOIL BORING LOG

Table with columns for SOIL BORING LOG details including ROUTE, SECTION, LOCATION, COUNTY, DRILLING METHOD, HAMMER TYPE, and a detailed log of soil layers with elevations and SPT values.

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) BBS, from 137 (Rev. 8-99)

Table with columns for SECTION, COUNTY, TWP., RING, ZW., and SHEET NO. containing project metadata.

EXISTING CONDITIONS: SHEET 17 OF 18

ILLINOIS DEPARTMENT OF TRANSPORTATION SOIL BORING LOGS FAS ROUTE 754 SECTION 4RS-2,4BR CALHOUN COUNTY



SOIL BORING LOG

Page 1 of 2

Date 5/25/00

ROUTE FAS 754 DESCRIPTION Park Street Bridge Overpass LOGGED BY Larry Ford

SECTION 4RS-2.4BR LOCATION SEC. 27, TWP. 11S, RNG. 2W, 4 PM

COUNTY Calhoun DRILLING METHOD Hollow Stem HAMMER TYPE Automatic

STRUCT. NO.	007-0015	DEPTH (ft)	SOIL TYPE	MOISTURE (%)	UNCONSOLIDATED COMPRESSIVE STRENGTH (UCS) (psi)	DEPTH (ft)	SOIL TYPE	MOISTURE (%)	UNCONSOLIDATED COMPRESSIVE STRENGTH (UCS) (psi)
Station									
BORING NO.	#4SPier								
Station	5+89								
Offset	10.00ft Lt								
Ground Surface Elev.	434.2								
			Surface Water Elev.						
			Stream Bed Elev.						
			Groundwater Elev.						
			First Encounter	408.2					
			Upon Completion						
			After						
			Gray Silty Clay LOAM (continued)						
					2	1.2			
					4	S/15	29		
					5				
					2				
					7	1.3			
					4	S/10	24		
					3				
					3	S/15	20		
					-3				
					-28				
					7	1.1			
					2	A			
					3	S/10	22		
					427.7				
					408.2				
					2				
					3	S			
					3	S/15	25		
					-10				
					2	.6			
					4	S/15	25		
					422.7				
					2				
					4	2.3			
					5	S/15	23		
					2				
					2				
					3	1.7			
					5	S/15	21		
					2				
					3	1.4			
					5	S/15	25		
					-20				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, from 137 (Rev. 8-99)



SOIL BORING LOG

Page 1 of 2

Date 5/22/00

ROUTE FAS 754 DESCRIPTION Park Street Bridge Overpass LOGGED BY Larry Ford

SECTION 4RS-2.4BR LOCATION SEC. 27, TWP. 11S, RNG. 2W, 4 PM

COUNTY Calhoun DRILLING METHOD Hollow Stem HAMMER TYPE Automatic

STRUCT. NO.	007-0015	DEPTH (ft)	SOIL TYPE	MOISTURE (%)	UNCONSOLIDATED COMPRESSIVE STRENGTH (UCS) (psi)	DEPTH (ft)	SOIL TYPE	MOISTURE (%)	UNCONSOLIDATED COMPRESSIVE STRENGTH (UCS) (psi)
Station									
BORING NO.	#2NABUT								
Station	6+81								
Offset	10.50ft Lt								
Ground Surface Elev.	434.1								
			Surface Water Elev.						
			Stream Bed Elev.						
			Groundwater Elev.						
			First Encounter	416.1					
			Upon Completion						
			After						
			Brown and Gray Silty Clay LOAM (continued)						
					2	.6			
					2	B	32		
					3				
					4				
					3	1.3			
					2	S/15	33		
					419.1				
					-5				
					2				
					3	1.2			
					3	B	29		
					406.6				
					4				
					4	1.5			
					5	S/15	25		
					424.6				
					2				
					3	.9			
					3	S/10	25		
					402.2				
					1				
					2	.6			
					2	S/15	30		
					1				
					1				
					1	5			
					2	B	31		
					399.1				
					2.5 minutes				
					2.5 minutes				
					3 minutes				
					3 minutes				
					3.5 minutes				
					3.5 minutes				
					416.1				
					2	.6			
					416.6				
					25				
					NC				
					-20				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, from 137 (Rev. 8-99)



SOIL BORING LOG

Page 2 of 2

Date 5/25/00

ROUTE FAS 754 DESCRIPTION Park Street Bridge Overpass LOGGED BY Larry Ford

SECTION 4RS-2.4BR LOCATION SEC. 27, TWP. 11S, RNG. 2W, 4 PM

COUNTY Calhoun DRILLING METHOD Hollow Stem HAMMER TYPE Automatic

STRUCT. NO.	007-0015	DEPTH (ft)	SOIL TYPE	MOISTURE (%)	UNCONSOLIDATED COMPRESSIVE STRENGTH (UCS) (psi)	DEPTH (ft)	SOIL TYPE	MOISTURE (%)	UNCONSOLIDATED COMPRESSIVE STRENGTH (UCS) (psi)
Station									
BORING NO.	#4SPier								
Station	5+89								
Offset	10.00ft Lt								
Ground Surface Elev.	434.2								
			Surface Water Elev.						
			Stream Bed Elev.						
			Groundwater Elev.						
			First Encounter	408.2					
			Upon Completion						
			After						
			Brown Fine to Coarse SAND						
					3	NR			
					6				
					11				
					-45				
					50.6'				
					388.2				
					-50				
					-55				
					-60				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, from 137 (Rev. 8-99)



SOIL BORING LOG

Page 2 of 2

Date 5/22/00

ROUTE FAS 754 DESCRIPTION Park Street Bridge Overpass LOGGED BY Larry Ford

SECTION 4RS-2.4BR LOCATION SEC. 27, TWP. 11S, RNG. 2W, 4 PM

COUNTY Calhoun DRILLING METHOD Hollow Stem HAMMER TYPE Automatic

STRUCT. NO.	007-0015	DEPTH (ft)	SOIL TYPE	MOISTURE (%)	UNCONSOLIDATED COMPRESSIVE STRENGTH (UCS) (psi)	DEPTH (ft)	SOIL TYPE	MOISTURE (%)	UNCONSOLIDATED COMPRESSIVE STRENGTH (UCS) (psi)
Station									
BORING NO.	#2NABUT								
Station	6+81								
Offset	10.50ft Lt								
Ground Surface Elev.	434.1								
			Surface Water Elev.						
			Stream Bed Elev.						
			Groundwater Elev.						
			First Encounter	416.1					
			Upon Completion						
			After						
					3 minutes				
					3 minutes				
					3.5 minutes				
					3.5 minutes				
					389.6				
					(Tricone Roller Bit)				
					End of Boring				
					-50				
					-55				
					-60				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, from 137 (Rev. 8-99)

FAP ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
754	4RS-2.4BR	CALHOUN	87	56
STATION TO STATION				
EXISTING CONDITIONS:				
SHEET 18 OF 18				

ILLINOIS DEPARTMENT OF TRANSPORTATION
SOIL BORING LOGS
FAS ROUTE 754
SECTION 4RS-2.4BR
CALHOUN COUNTY

STORM WATER POLLUTION PREVENTION PLAN

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
754	4RS-2, 4BR	CALHOUN	87	57
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 76269

Route: FAS 754
 Section: 4RS-2, 4BR
 County: Calhoun County (Dist. 8)

Marked: Park Street
 Project No.: NA
 Contract No.: 76269

This plan has been prepared to comply with the provision of the NPDES Permit Number ILR10 issued by the Illinois Environmental Protection Agency for storm water discharges from construction site activities.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information submitted, is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Mark C. Linn
 (Signature)

8-31-05
 (Date)

REGIONAL ENGINEER
 (Title)

Note: The above boxed in area will be filled out by IDOT - Construction after the award of the contract to obtain the required NPDES permit.

LEGEND FOR STORM WATER POLLUTION PREVENTION PLAN

ITEM	SYMBOL
TEMPORARY DITCH CHECKS - AGGREGATE	
INLET & PIPE PROTECTION - FILTER FABRIC, AGGREGATES	
PERIMETER EROSION BARRIER - SILT FILTER FENCE OR OTHER AS APPROVED BY THE ENGINEER	

All items shall be constructed as shown on this sheet, on Standard 280001 and as directed by the Engineer.

The following plan was established and included in these plans to direct the Contractor in the placement of temporary erosion control systems and to provide a storm water pollution prevention plan for compliance under NPDES. The Contractor shall abide to all requirements within this plan as part of the contract.

The purpose of this plan is to prevent / minimize siltation within the construction zone and to eliminate sediments from entering and leaving the construction zone by utilizing proper temporary erosion control systems and providing ground cover within a reasonable time.

Certain items, as shown in this plan and referenced by the legend, shall be placed by the Contractor at the beginning of construction. Other items shall be placed by the Contractor as directed by the Engineer on a case by case situation resulting from the Contractor's sequence of activities, time of the year and expected weather conditions.

The Contractor shall place permanent erosion control systems and seeding within a reasonable amount of time; therefore, reducing the amount of area being open to the possibility of erosion and reducing the amount of temporary erosion control systems and temporary seeding. The Resident Engineer will determine if temporary erosion control systems shown in the plan can be deleted, the size of the proposed ditch checks, the proper method of installation, and if any additional temporary erosion control systems shall be added which are not included in this plan. The Contractor shall perform all work as directed by the Engineer and as shown in special details and in Standard 280001 of the plans.

The Standard Specifications additionally supplement this plan.

SITE DESCRIPTION

Description of Construction Activity:

- The proposed project consists of raising the profile grade of FAS 754 (Park Street) from just south of the Joe Page Bridge to French Street.
- Construction consists of grading, constructing culverts / storm sewer system, concrete curb & gutters, new bituminous roadway, reconstruction of one intersection, sidewalks, guardrail placement, one bridge replacement and other miscellaneous work to complete the improvements.

Description of Intended Sequence of Major Construction Activities Which Will Disturb Earth and Lead to Possible Erosion for Major Portions of the Construction Site:

- Tree removal will be minimal. Trees to remain will be protected against damage.
- Excavation will be completed along the entire length to grade out for proposed roadway ditches and waterways.
- Excavation will also be completed in proposed cut sections to lower the existing ground elevation to meet the proposed roadway grade/vertical alignment.
- Embankment will be completed in fill areas to raise the existing ground elevation to meet the proposed roadway foreslope and backslope.
- Drainage structures will be installed before and/or during the construction of the excavation and embankment to allow proper drainage across the proposed two lane facility.
- Placement, maintenance, removal and proper clean-up of temporary erosion control, such as erosion control fence, riprap ditch checks, sediment basins, temporary seeding, etc.
- Placement of permanent erosion control, such as riprap ditch lining, riprap stilling basins, riprap dry dams, excelsior blanket, seeding, etc.
- Final grading, paving and other miscellaneous items.

Area of Construction Site:

The total drainage area entering and including the construction site is estimated to be 880± acres in which 1.20± acres will be disturbed by excavation, grading or other activities.

Other Reports, Studies and Plans which Aid in the Development of this Storm Water Pollution Prevention Plan as Referenced Documents:

- Information on the soils and terrain within the site was obtained from topographic surveys, field reviews and soil borings which were utilized for the development of the proposed temporary erosion control systems.
- Site maps indicating drainage patterns and approximate slopes were contained in the project design report, USGS drainage maps, project drainage study and project plan documents were all utilized for proposed placement of the temporary erosion control systems.

Drainage Tributaries Receiving Water from this Construction Site:

- Unnamed Creek
- Illinois River

CONTROLS - EROSION CONTROLS AND SEDIMENT CONTROLS

Description of Stabilization Practices at the Beginning of Construction:

- The drawings, specifications and special provisions will ensure that existing vegetation is preserved where attainable and disturbed portions of the site will be stabilized. Stabilization practices include: temporary seeding, mulching, protection of trees, preservation of mature vegetation and other appropriate measures as directed by the engineer. Stabilization measures shall be initiated as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, but in no case more than 7 days after the construction activity in that portion of the site has temporarily or permanently ceased.

(a) Areas of existing vegetation (woods and grasslands) outside the proposed construction slope limits shall be identified for preserving and shall be protected from mowing, brush cutting, tree removal and other activities which would be detrimental to their maintenance and development.

(b) Dead, diseased, or unsuitable vegetation within the site shall be removed as directed by the Engineer, along with required tree removal.

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION STORM WATER POLLUTION PREVENTION PLAN F.A.S. 754 (IL 100 / Park Street) SECTION 4RS-2, 4BR CALHOUN COUNTY
NAME	DATE	
		DRAWN BY WJS CHECKED BY MKC

DATE: MAY, 2003

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
754	4RS-2, 4BR	CALHOUN	87	58
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 76269

- (c) As soon as reasonable access is available (such as trees cleared) to all locations where water drains away from the project, sediment basins, riprap ditch checks, temporary ditch checks, inlet and pipe protection, and/or erosion control fence shall be installed as called out in this plan and directed by the Engineer.
- (d) Bare and sparsely vegetated ground in highly erodible areas as determined by the Engineer shall be temporarily seeded at the beginning of construction where no construction activities are expected within seven days.
- (e) Immediately after tree removal is completed, areas which are highly erodible as determined by the Engineer, shall be temporarily seeded when no construction activities are expected within seven days.
- (f) At locations where a significant amount of water drains into the construction zone from outside areas (adjacent landowners), erosion control fence, temporary ditch checks, or riprap ditch checks will be utilized to locally divert water, reduce flow rates, and collect outside siltation inside the right-of-way line. Erosion control items will not be allowed to be installed to cause flooding to upstream private property which could cause crop damages or other undesirable conditions.
2. Establishment of these temporary erosion control measures will have additional benefits to the project. Desirable grass seed will become established in these areas and will spread seeds onto the construction site until permanent seeding/mowing and overseeding can be complete.

(i) The temporary erosion control systems shall be removed as directed by the Engineer after use is no longer needed or no longer functioning. The costs of this removal shall be included in the unit bid price for the temporary erosion control system. No additional compensation will be allowed.

Description of Structural Practices After Final Grading:

1. Temporary erosion control systems shall be left in place with proper maintenance until permanent erosion control is in place and working properly and all proposed turf areas seeded and established with a proper stand.
2. Once permanent erosion control systems as proposed in the plans are functional and established, temporary items shall be removed, cleaned up, and disturbed turf reseeded. Temporary riprap ditch checks will be allowed to remain in place where approved by the Engineer.

Maintenance after Construction:

1. Construction is complete after acceptance by I.D.O.T. Maintenance up to this date will be by the Contractor.

MISCELLANEOUS:

1. Temporary ditch checks shall be located at every 1.5 feet fall/rise in ditch grade.
2. Temporary ditch checks, aggregate uses grading no. 3 - remove at end of construction.
3. Erosion control blanket shall be a minimum of 10 feet wide and centered in ditch.
4. Temporary erosion control seeding seeds all disturbed areas at 100 lbs per acre.
5. Mulch method 1 as applied to temporary seeding shall conform to section 251 of the Standard Specifications. Mulch will not be paid for separately but shall be included in the price for temporary seeding.
6. Construct perimeter erosion control at beginning of construction, remove at end of construction.
7. All erosion control products furnished shall be specifically recommended by the manufacturer for the use specified in the erosion control plan. Prior to the approval and use of the product, the Contractor shall submit to the Engineer a notarized certification by the producer stating the intended use of the product and that the physical properties required for this application are met or exceeded. The Contractor shall provide manufacturer installation procedures to facilitate the Engineer in construction inspection.

Description of Stabilization Practices During Construction:

1. During roadway construction, areas outside the construction slope limits as outlined previous herein shall be protected from damaging effects of construction. The Contractor shall not use this area for staging (except as designated on the plans or directed by the Engineer), parking of vehicles or construction equipment, storage of materials, or other construction related activities.
 - (a) Within the construction limits, are areas which may be susceptible to erosion as determined by the Engineer shall remain undisturbed until full construction is underway to prevent unnecessary soil erosion.
 - (b) Top soil and earth stockpiles shall be temporarily seeded if they are to remain unused for more than fourteen days.
 - (c) As construction proceeds, the Contractor shall institute the following as directed by the Engineer:
 - i. Place temporary erosion control facilities as shown on the plans.
 - ii. Temporary seed erodible bare earth on a weekly basis to minimize the amount of erodible surface area within the construction limits.
 - iii. Construct roadside ditches and provide temporary erosion control systems.
 - iv. Temporary divert water around proposed culvert locations.
 - v. Build necessary embankment at culvert locations and then excavate and place culvert.
 - vi. Continue building up the embankment to the proposed grade while at the same time place permanent erosion control such as riprap ditch lining and conduct final shaping to the slopes
 - (d) The Contractor shall immediately follow major earth moving operations with final grading equipment. After the major earth spread operation has moved to a new location, final grading shall be completed within fourteen days. If grading is not completed within fourteen days, all major earth moving operations will be stopped, as directed by the Engineer, until disturbed areas are final graded and seeded.
 - (e) Excavated areas and embankments shall be permanently seeded when final graded. If not, they shall be temporarily seeded if no construction activity in the area is planned for 7 days.
 - (f) Construction equipment shall be stored and fueled only at designated locations. All necessary measures shall be taken to contain any fuel or pollution run-off in compliance with EPA water quality regulations. Leaking equipment or supplies shall be immediately repaired or removed from the site.
 - (g) The Resident Engineer shall inspect the project daily during activities and weekly or after rains of 1/2 inch or greater or equivalent snowfall and during the winter shutdown period. The project shall additionally be inspected by the Construction Field Engineer on a bi-weekly basis to determine that erosion control efforts are in place and effective and if other erosion control work is necessary.
 - (h) Sediment collected during construction by the various temporary erosion control systems shall be disposed of on the site on a regular basis as directed by the Engineer. The cost of this maintenance will be included in the unit bid price for earth excavation.

EROSION CONTROL SCHEDULE						
STATION	LOCATION	RIPRAP CLASS 5 (SQ YD)	FILTER FABRIC (SQ YD)	PERIMETER EROSION BARRIER (FOOT)	TEMPORARY DITCH CHECKS (EACH)	INLET AND PIPE PROTECTION (EACH)
04+85	LT.					1
07+40	C. E. RT.					1
07+50	LT.				1	
08+00	RT.				1	
09+19	RT.			100		
09+68	RT.	37.3	37.3			
19+36	NO. CO. RD. LT.				1	1
19+61	NO. CO. RD. LT.				1	
19+80	NO. CO. RD. LT.					1
BRIDGE		909	909	300		
TO BE LOCATED BY ENGINEER					4	2
TOTAL		946.3	946.3	400	8	6

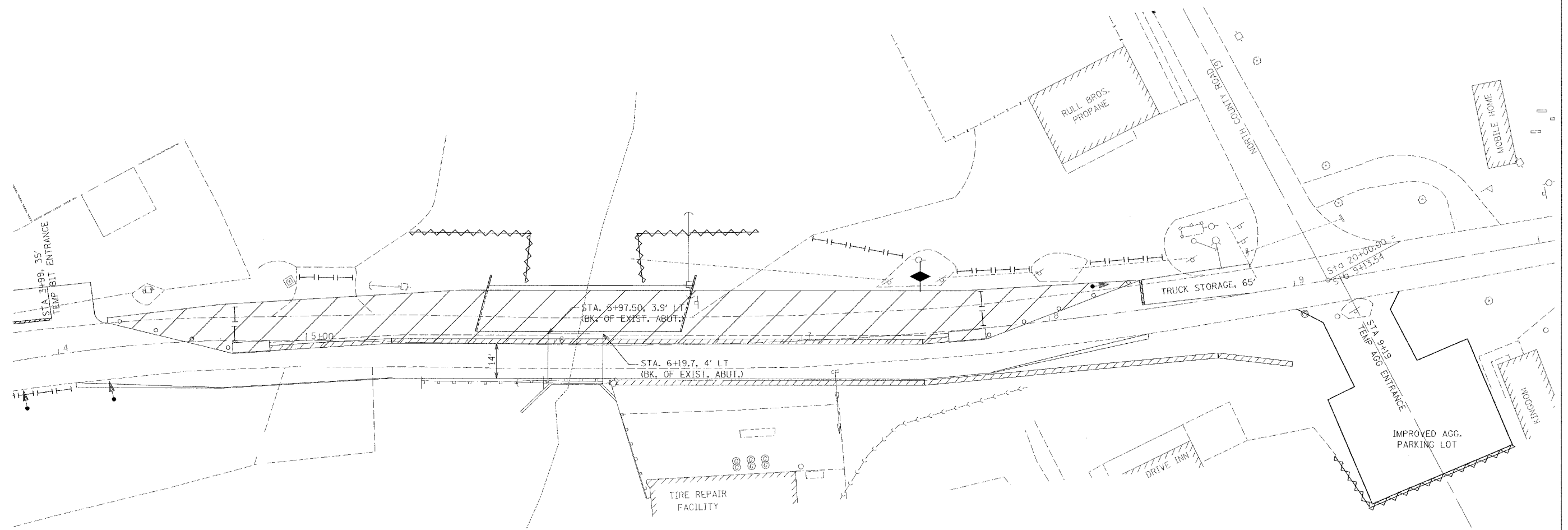
SEE SEEDING SCHEDULE - NOT INCLUDED IN EROSION CONTROL SCHEDULE

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
STORM WATER POLLUTION PREVENTION PLAN
 F.A.S. 754 (IL 100 / Park Street)
 SECTION 4RS-2, 4BR
 CALHOUN COUNTY
 DATE: AUGUST, 2005
 DRAWN BY WJS
 CHECKED BY MTL

PROJECT: FILE: .DGN

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
754	4RS-2, 4BR	CALHOUN	87	59
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 76269				



LEGEND FOR STORM WATER POLLUTION PREVENTION PLAN

ITEM	SYMBOL
TEMPORARY DITCH CHECKS - AGGREGATE	◆
INLET & PIPE PROTECTION - FILTER FABRIC, AGGREGATES	◊
PERIMETER EROSION BARRIER - SILT FILTER FENCE OR OTHER AS APPROVED BY THE ENGINEER	~~~~~

All items shall be constructed as shown on this sheet, on Standard 280001 and as directed by the Engineer.

STAGE I EROSION CONTROL

REVISIONS	
NAME	DATE

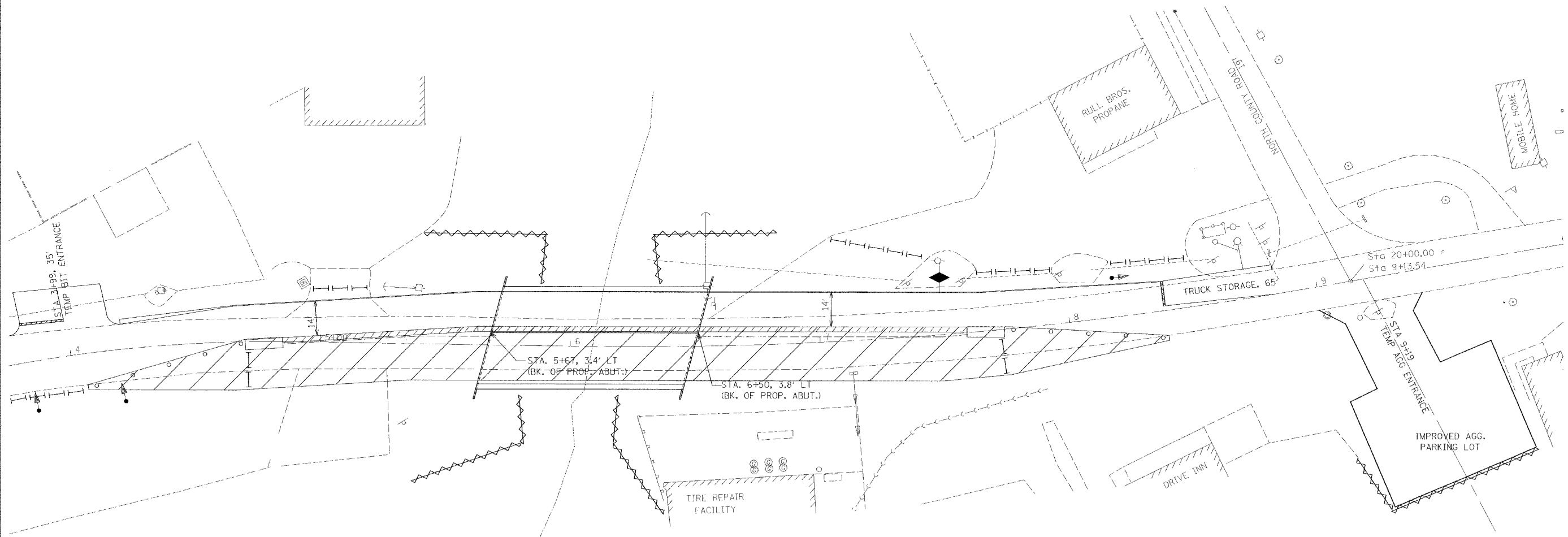
ILLINOIS DEPARTMENT OF TRANSPORTATION
STORM WATER POLLUTION PREVENTION PLAN
 F.A.S. 754 (IL 100 / Park Street)
 SECTION 4RS-2, 4BR
 CALHOUN COUNTY

DRAWN BY WJS
 CHECKED BY MTL

DATE: AUGUST, 2005

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
754	4RS-2, 4BR	CALHOUN	87	60
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 76269



LEGEND FOR STORM WATER POLLUTION PREVENTION PLAN

ITEM	SYMBOL
TEMPORARY DITCH CHECKS - AGGREGATE	
INLET & PIPE PROTECTION - FILTER FABRIC, AGGREGATES	
PERIMETER EROSION BARRIER - SILT FILTER FENCE OR OTHER AS APPROVED BY THE ENGINEER	

All items shall be constructed as shown on this sheet, on Standard 280001 and as directed by the Engineer.

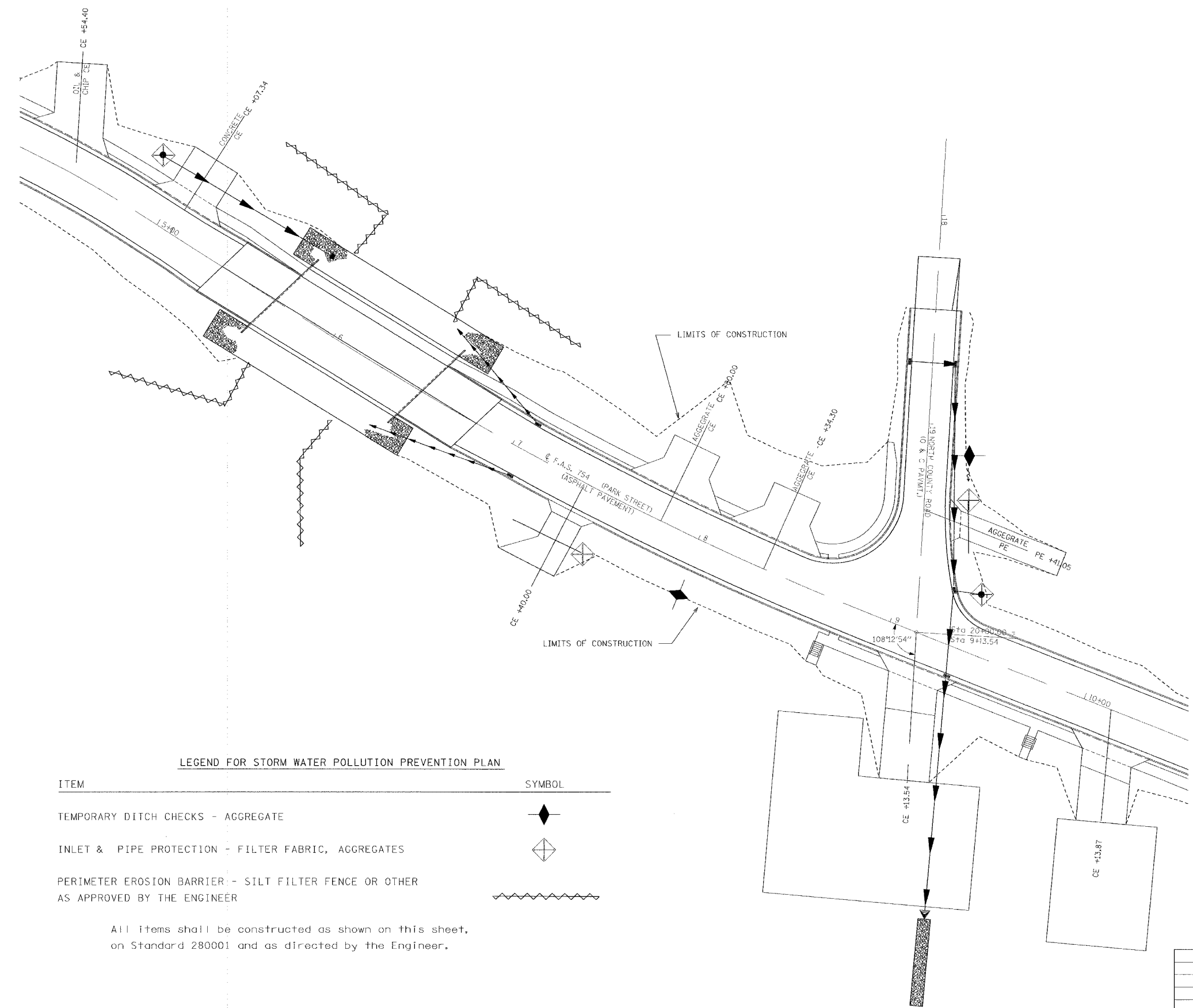
STAGE II EROSION CONTROL

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
STORM WATER POLLUTION PREVENTION PLAN
 F.A.S. 754 (IL 100 / Park Street)
 SECTION 4RS-2, 4BR
 CALHOUN COUNTY
 DRAWN BY WJS
 DATE: AUGUST, 2005
 CHECKED BY MTL

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
754	4RS-2, 4BR	CALHOUN	87	61
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CONTRACT NO. 76269



LEGEND FOR STORM WATER POLLUTION PREVENTION PLAN

ITEM	SYMBOL
TEMPORARY DITCH CHECKS - AGGREGATE	
INLET & PIPE PROTECTION - FILTER FABRIC, AGGREGATES	
PERIMETER EROSION BARRIER - SILT FILTER FENCE OR OTHER AS APPROVED BY THE ENGINEER	

All items shall be constructed as shown on this sheet, on Standard 280001 and as directed by the Engineer.

STAGE III EROSION CONTROL

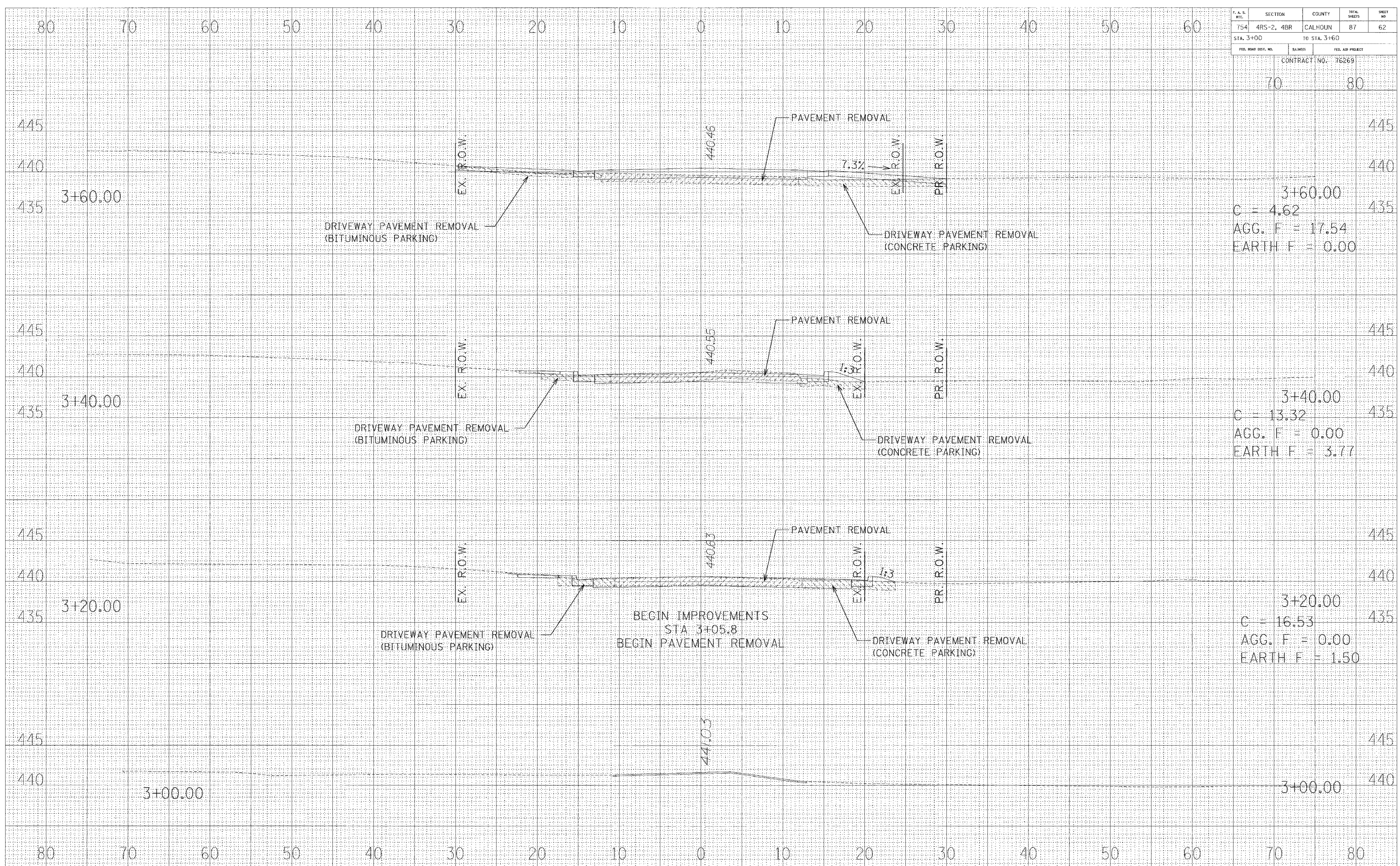
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
STORM WATER POLLUTION PREVENTION PLAN
 F.A.S. 754 (IL 100 / Park Street)
 SECTION 4RS-2, 4BR
 CALHOUN COUNTY
 DRAWN BY WJS
 DATE: AUGUST, 2005
 CHECKED BY MTL

P. A. S. MILE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
754	4RS-2, 4BR	CALHOUN	87	62
STA. 3+00		TO STA. 3+60		
FED. ROAD DIST. NO.	DISTRICT	FED. AID PROJECT		

CONTRACT NO. 76269

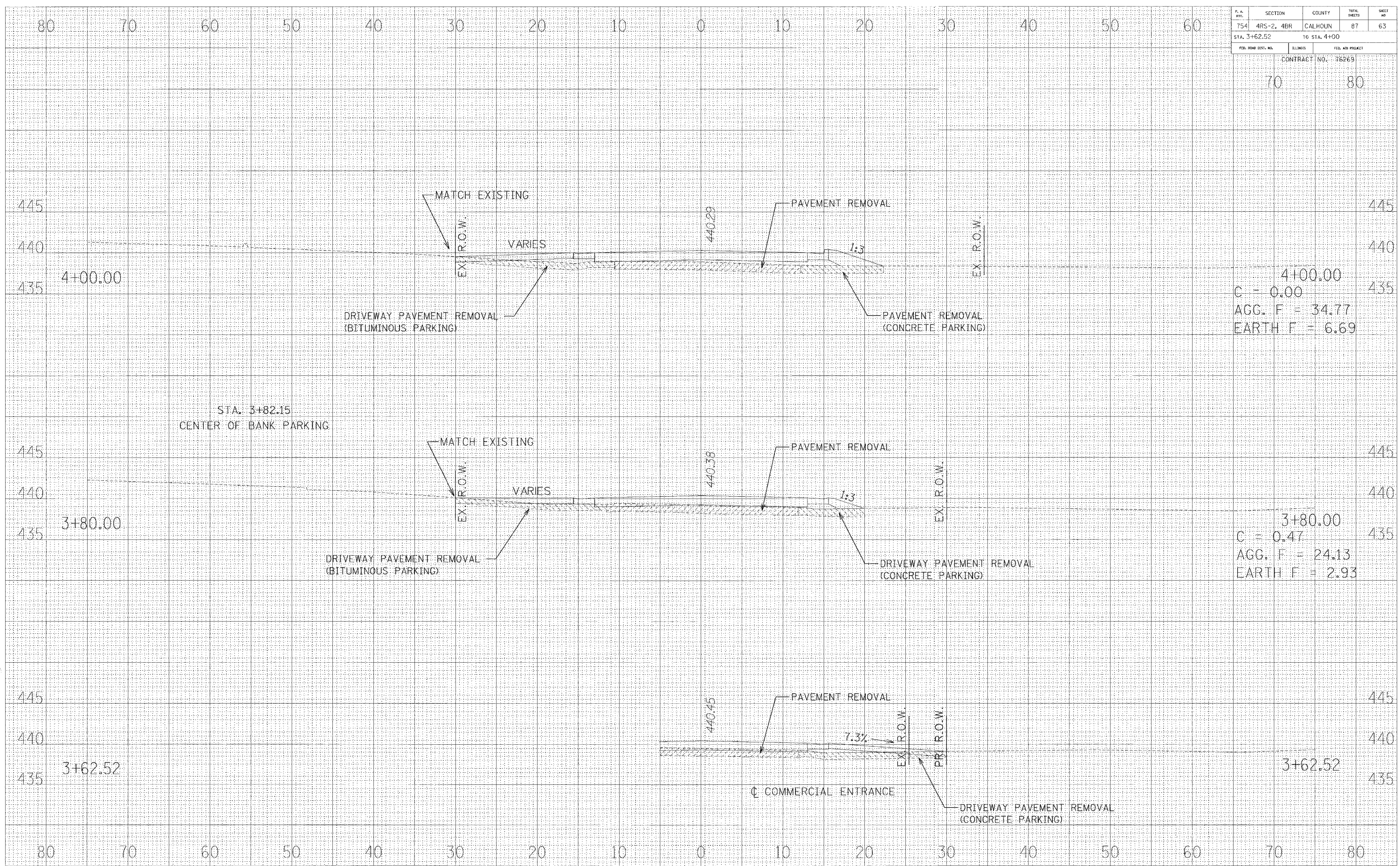
70 80



F. A. SHEET	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
754	4RS-2, 4BR	CALHOUN	87	63
STA. 3+62.52		TO STA. 4+00		
FED. ROAD DIST. NO.		LENGTH	FED. AID PROJECT	

CONTRACT NO. 76269

70 80



4+00.00
 C = 0.00
 AGG. F = 34.77
 EARTH F = 6.69

3+80.00
 C = 0.47
 AGG. F = 24.13
 EARTH F = 2.93

3+62.52

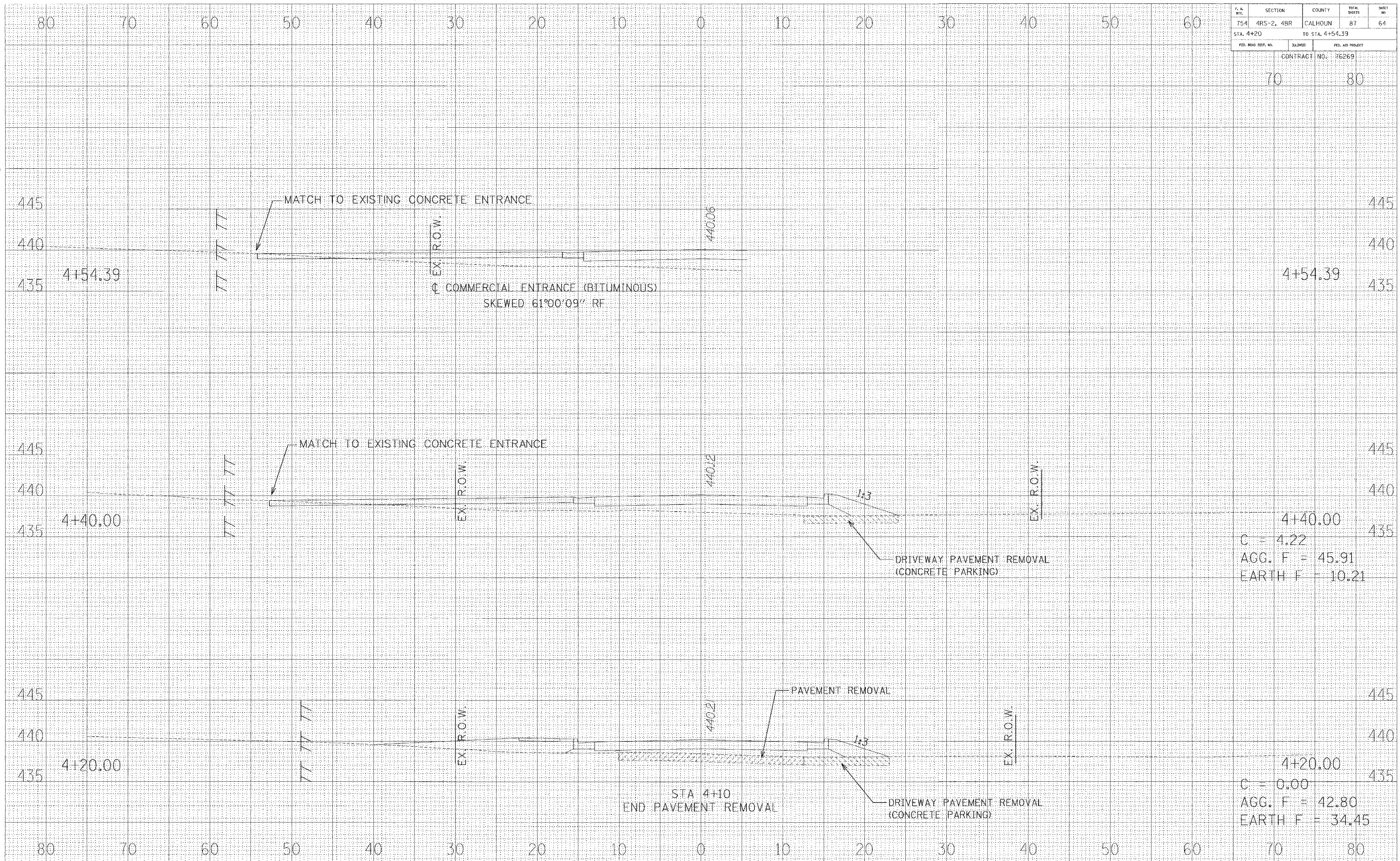
STA. 3+82.15
 CENTER OF BANK PARKING

⊕ COMMERCIAL ENTRANCE

F. A. MILE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
754	4RS-2, 4BR	CALHOUN	87	64
STA. 4+20		TO STA. 4+54.39		
FED. ROAD DIST. NO.		ILLINOIS		FED. AID PROJECT

CONTRACT NO. 76269

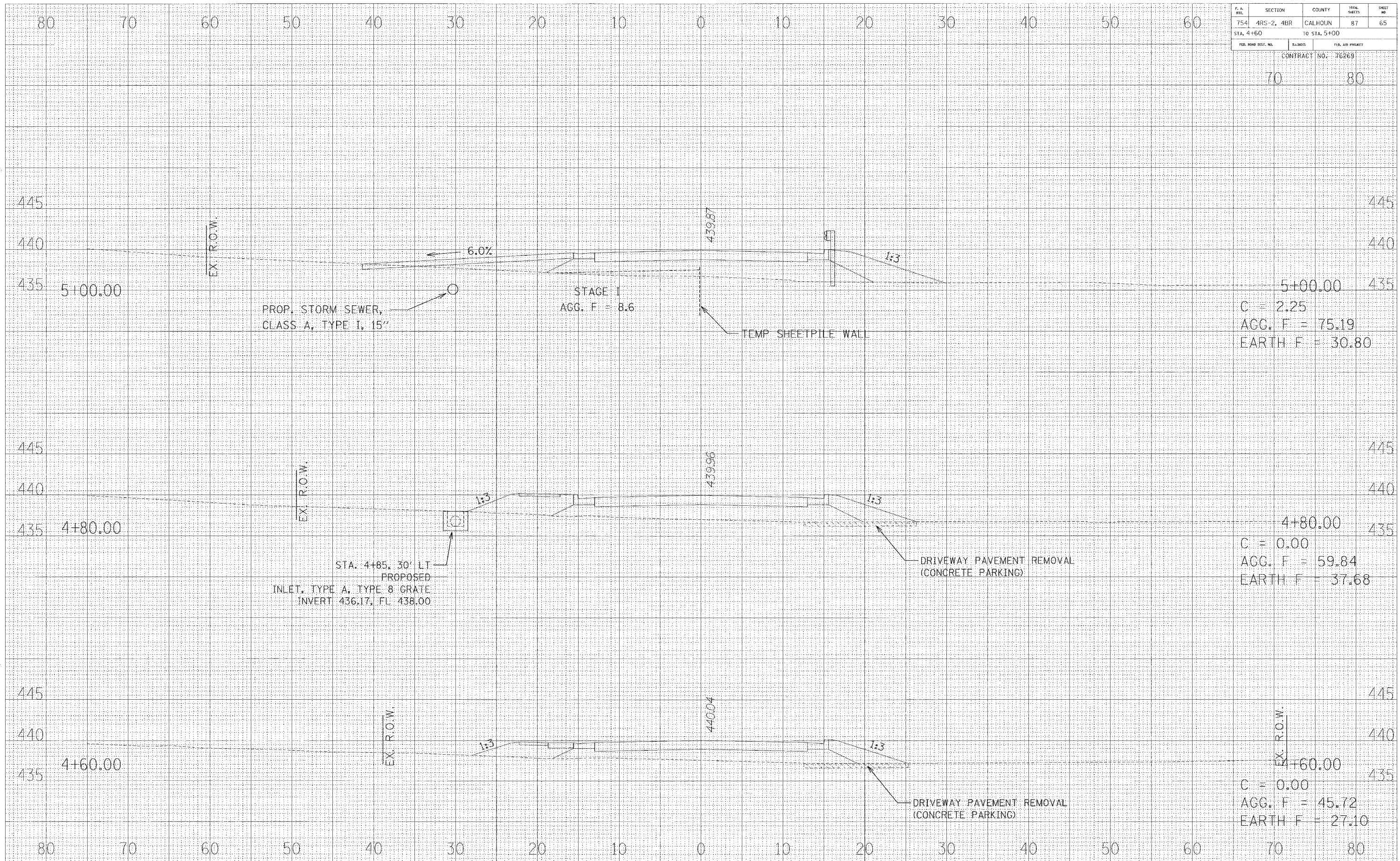
70 80



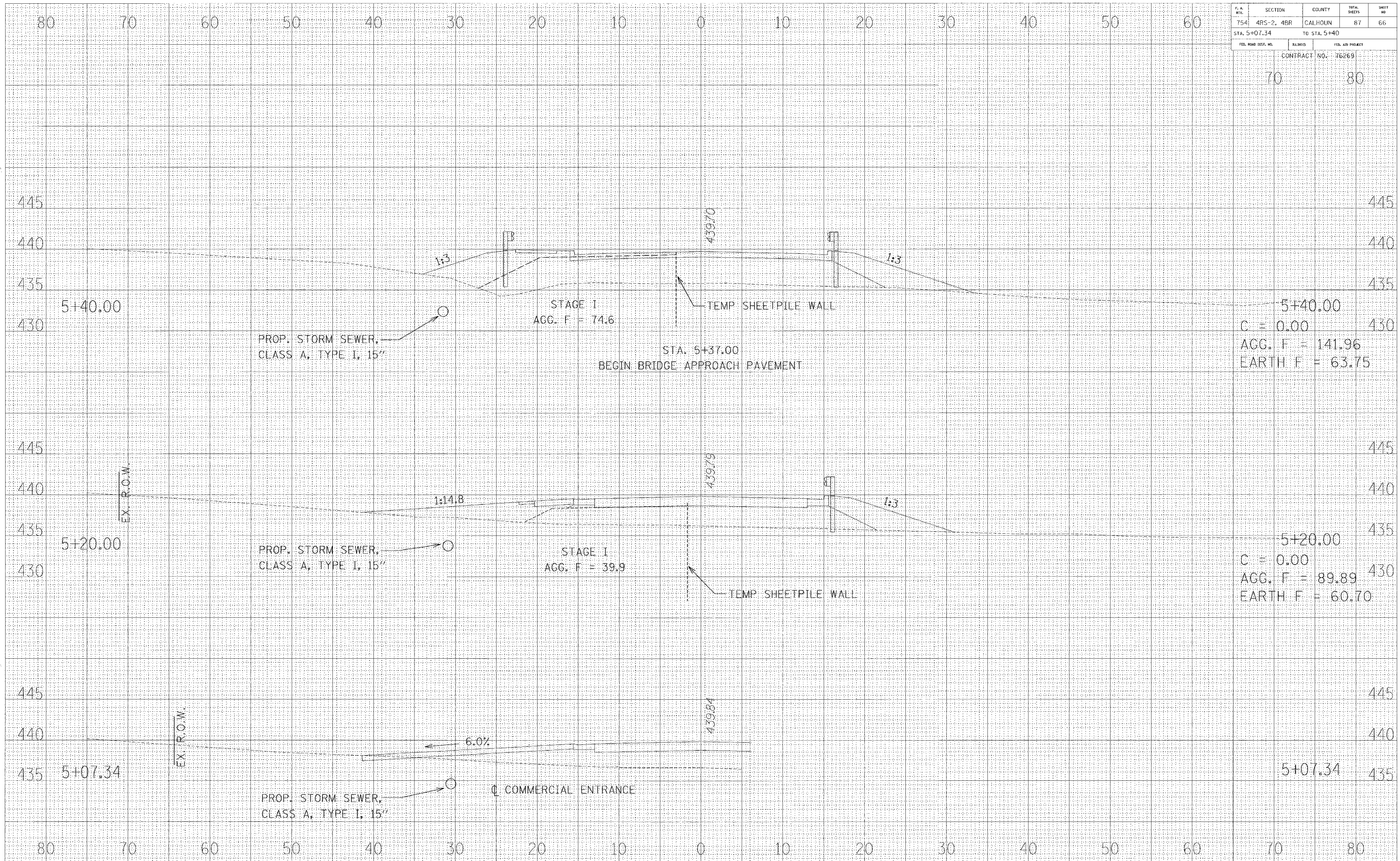
4+40.00
 C = 4.22
 AGG. F = 45.91
 EARTH F = 10.21

4+20.00
 C = 0.00
 AGG. F = 42.80
 EARTH F = 34.45

F. A. DIST.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
754	4RS-2, 4BR	CALHOUN	87	65
STA. 4+60		TO STA. 5+00		
FED. ROAD DIST. NO.		BLDG'S	FED. AID PROJECT	
			CONTRACT NO. 76269	



F. A. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
754	4RS-2, 4BR	CALHOUN	87	66
STA. 5+07.34		TO STA. 5+40		
FED. ROAD DIST. NO.		BLDG. NO.	FED. AID PROJECT	
		CONTRACT NO. 76269		



PROP. STORM SEWER,
CLASS A, TYPE I, 15"

STAGE I
AGG. F = 74.6

STA. 5+37.00
BEGIN BRIDGE APPROACH PAVEMENT

TEMP SHEETPILE WALL

5+40.00
C = 0.00
AGG. F = 141.96
EARTH F = 63.75

PROP. STORM SEWER,
CLASS A, TYPE I, 15"

STAGE I
AGG. F = 39.9

TEMP SHEETPILE WALL

5+20.00
C = 0.00
AGG. F = 89.89
EARTH F = 60.70

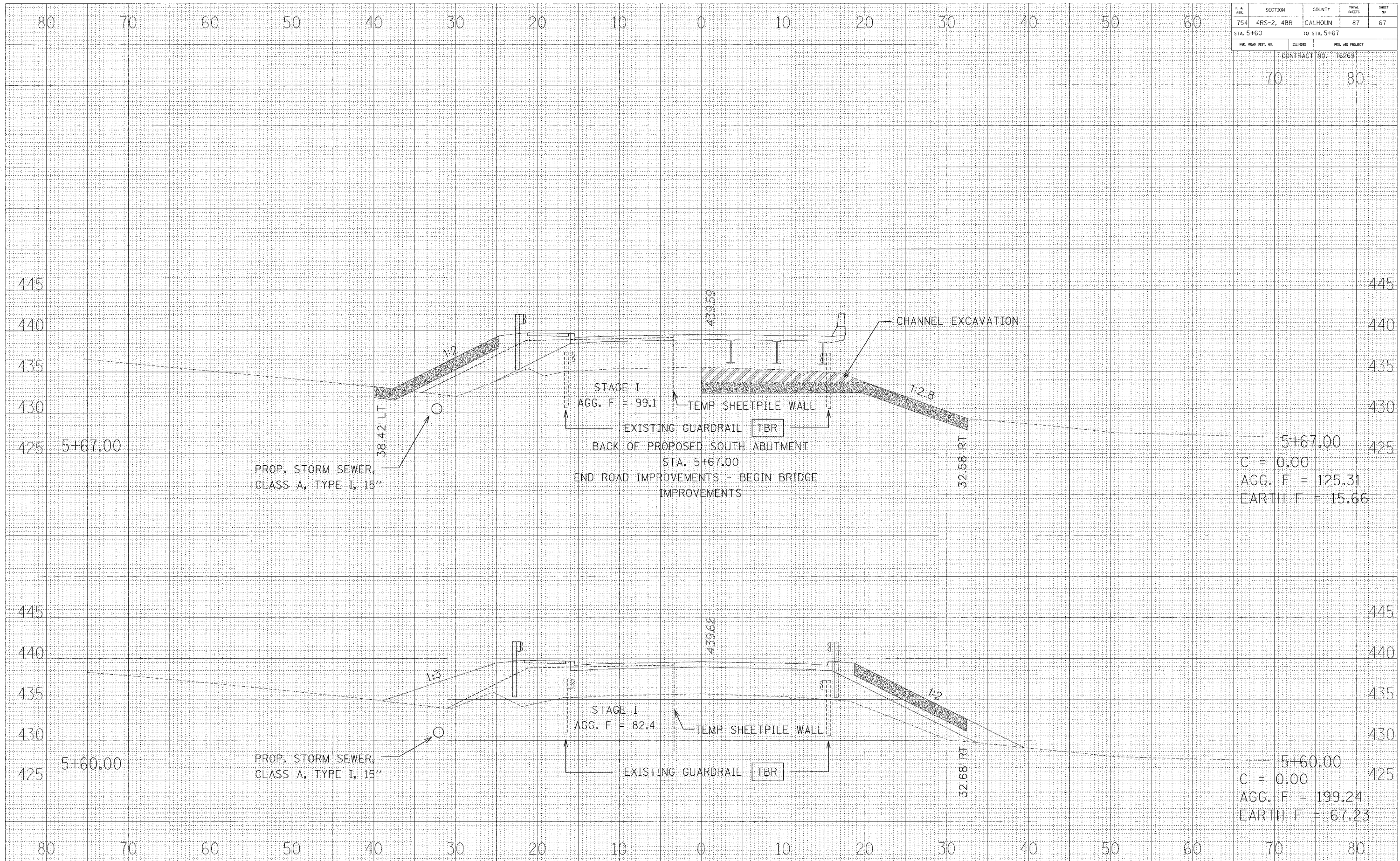
PROP. STORM SEWER,
CLASS A, TYPE I, 15"

COMMERCIAL ENTRANCE

5+07.34

F. A. MILE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
754	4RS-2, 4BR	CALHOUN	87	67
STA. 5+60		TO STA. 5+67		
FED. ROAD DIST. NO.	PLANETS	FED. AID PROJECT		
		CONTRACT NO. 76269		

70 80



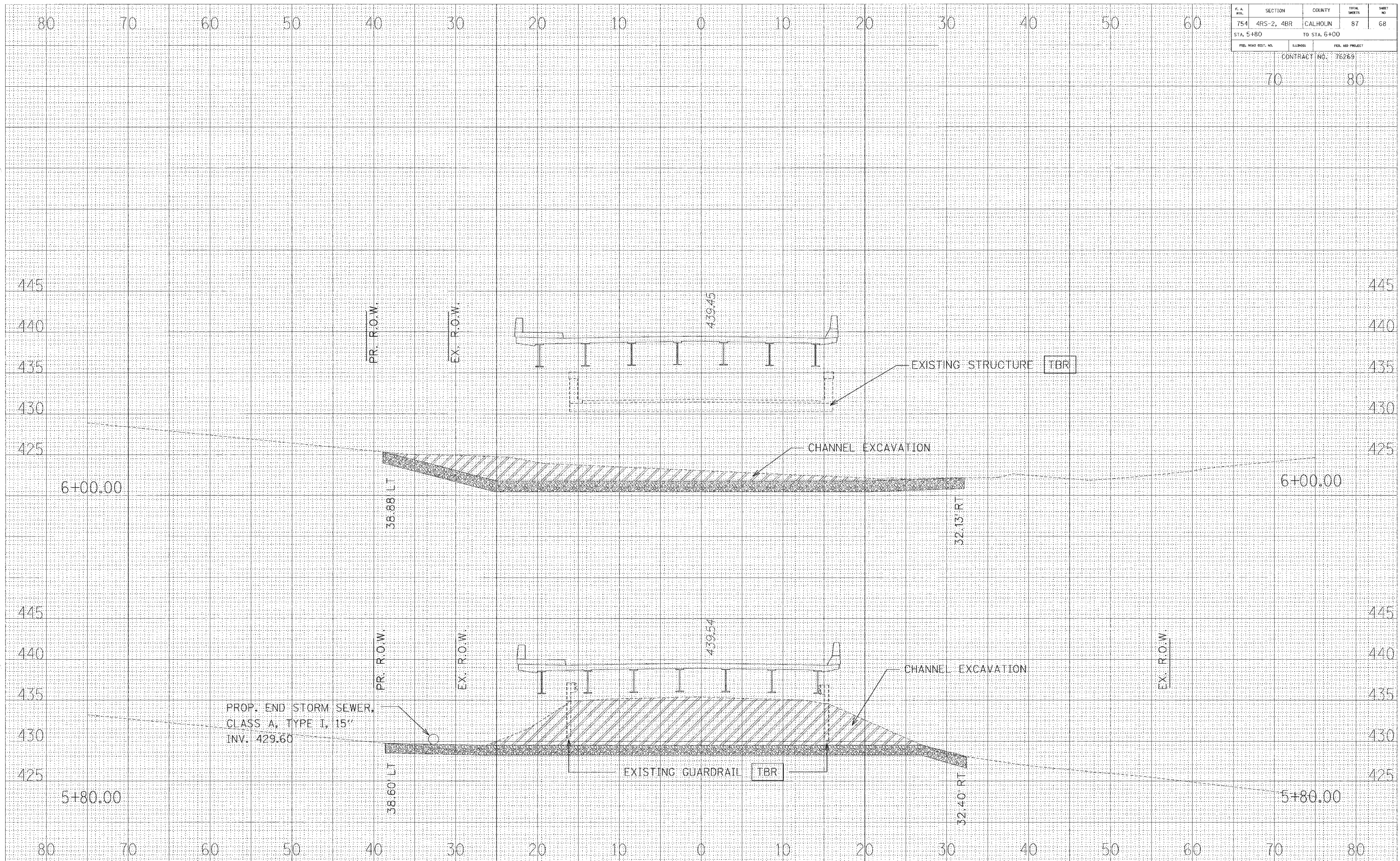
5+67.00
 C = 0.00
 AGG. F = 125.31
 EARTH F = 15.66

5+60.00
 C = 0.00
 AGG. F = 199.24
 EARTH F = 67.23

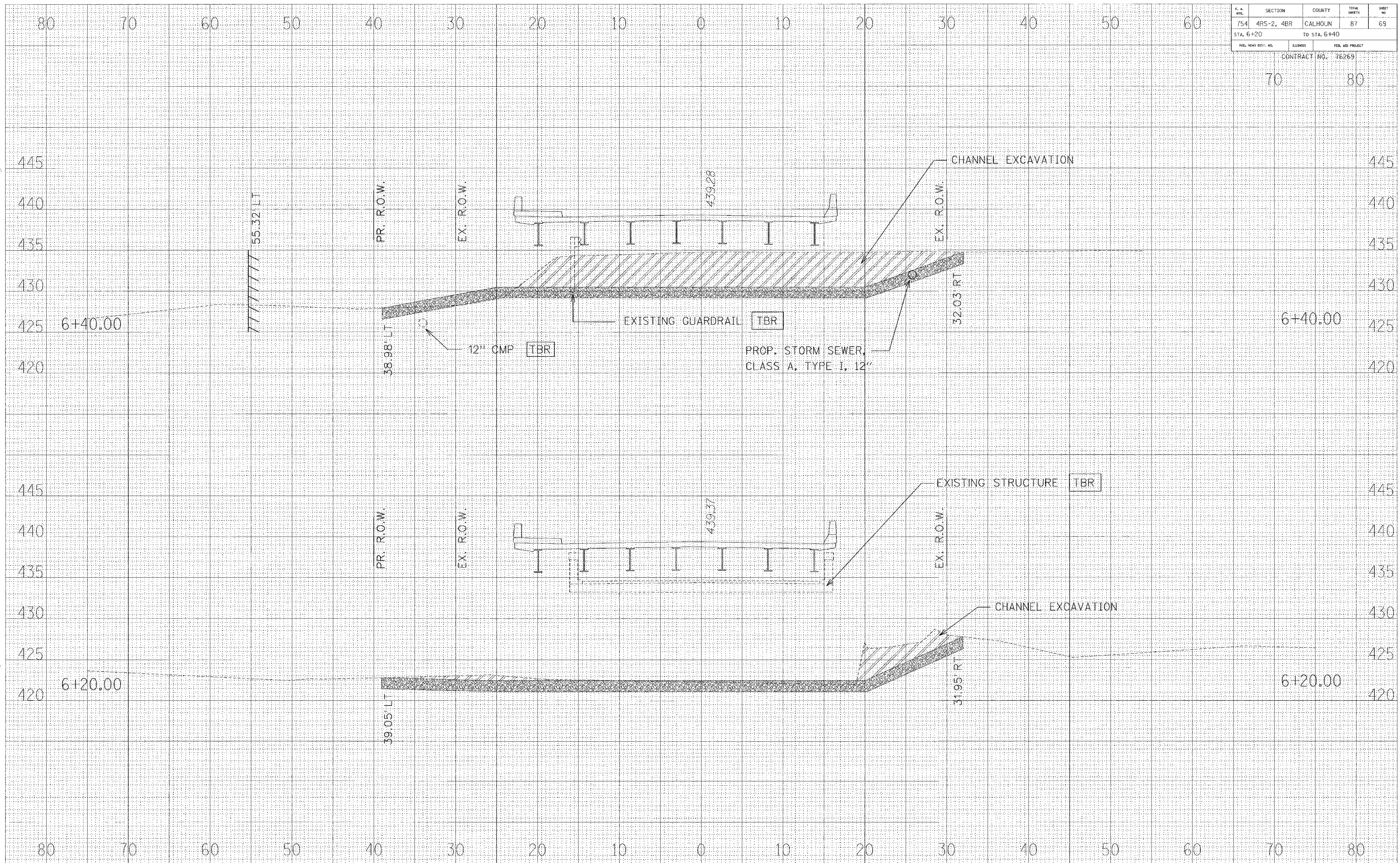
F. A. WEL.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
754	4RS-2, 4BR	CALHOUN	87	68
STA. 5+80		TO STA. 6+00		
FED. ROAD DIST. NO.	ELIGIBLE	FED. AID PROJECT		

CONTRACT NO. 76269

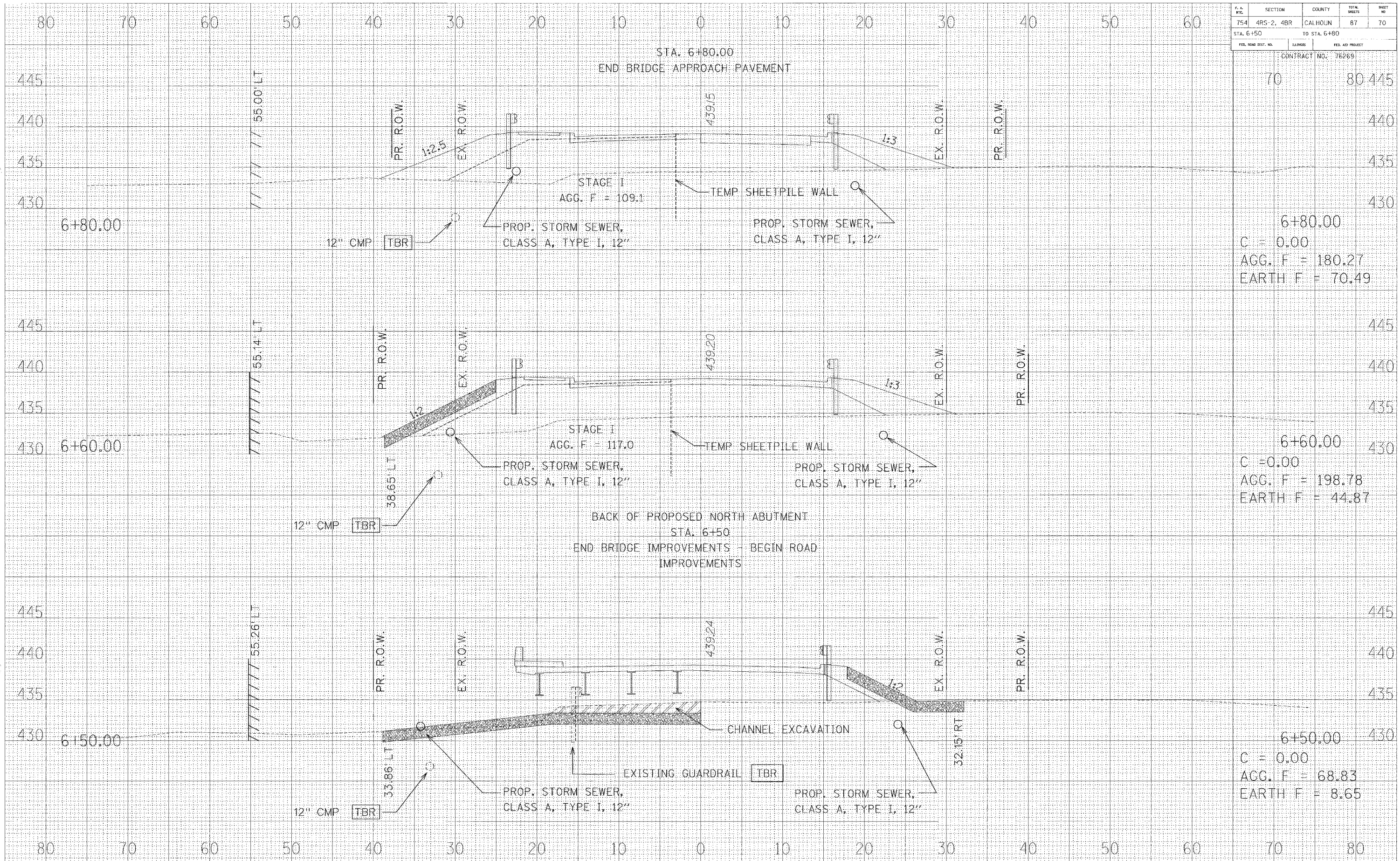
70 80



F. A. MILE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
754	4RS-2, 4BR	CALHOUN	87	69
STA. 6+20		TO STA. 6+40		
FED. ROAD DIST. NO.		STATE	FED. AID PROJECT	
			CONTRACT NO. 76269	



F. A. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
754	4RS-2, 4BR	CALHOUN	87	70
STA. 6+50		TO STA. 6+80		
FED. ROAD DIST. NO.	STATE	FED. AID PROJECT		
		CONTRACT NO. 76269		



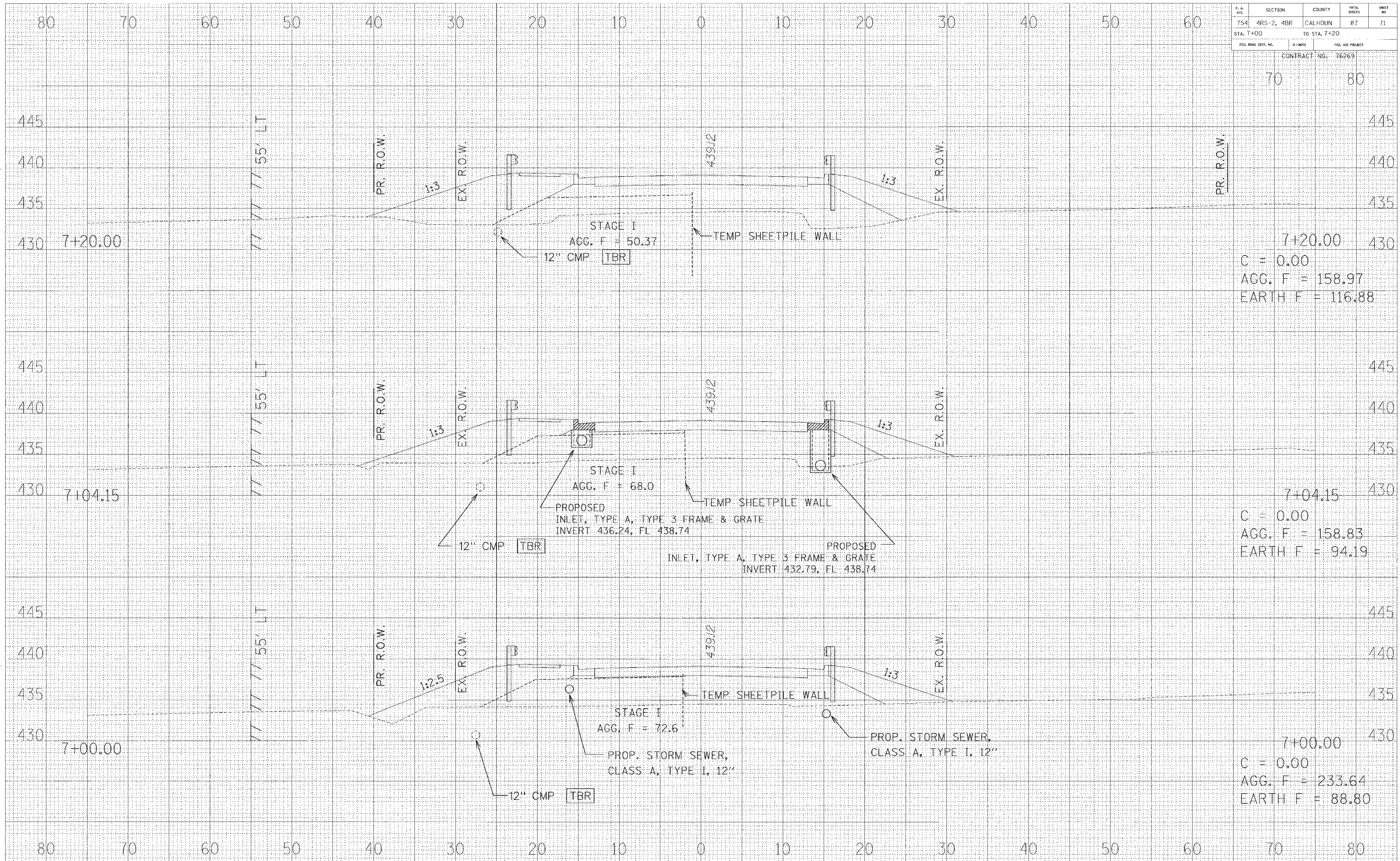
70 80 445
440
435
430
6+80.00
C = 0.00
AGG. F = 180.27
EARTH F = 70.49

445
440
435
430 6+60.00
C = 0.00
AGG. F = 198.78
EARTH F = 44.87

445
440
435
430 6+50.00
C = 0.00
AGG. F = 68.83
EARTH F = 8.65

F. A. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
754	4RS-2, 4BR	CALHOUN	87	71
STA. 7+00		TO STA. 7+20		
FED. ROAD DIST. NO.		ILLINOIS		FED. AID PROJECT

CONTRACT NO. 76269

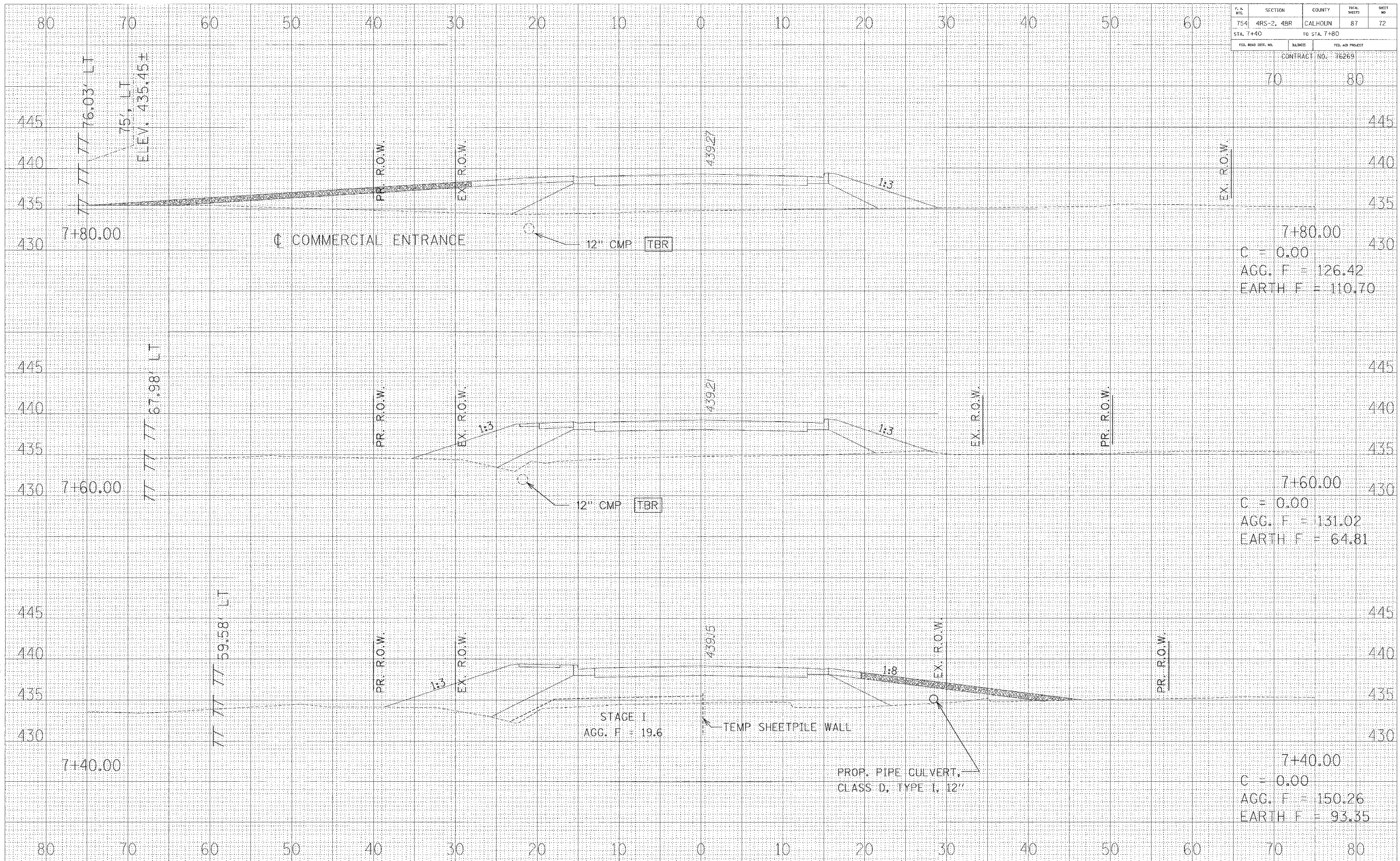


70 80
445
440
435
7+20.00 430
C = 0.00
AGG. F = 158.97
EARTH F = 116.88

445
440
435
7+04.15 430
C = 0.00
AGG. F = 158.83
EARTH F = 94.19

445
440
435
7+00.00 430
C = 0.00
AGG. F = 233.64
EARTH F = 88.80

P. A. RITE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
754	4RS-2, 4BR	CALHOUN	87	72
STA. 7+40		TO STA. 7+80		
FED. ROAD DIST. NO.		ALABAMA	FED. AID PROJECT	
			CONTRACT NO. 76269	

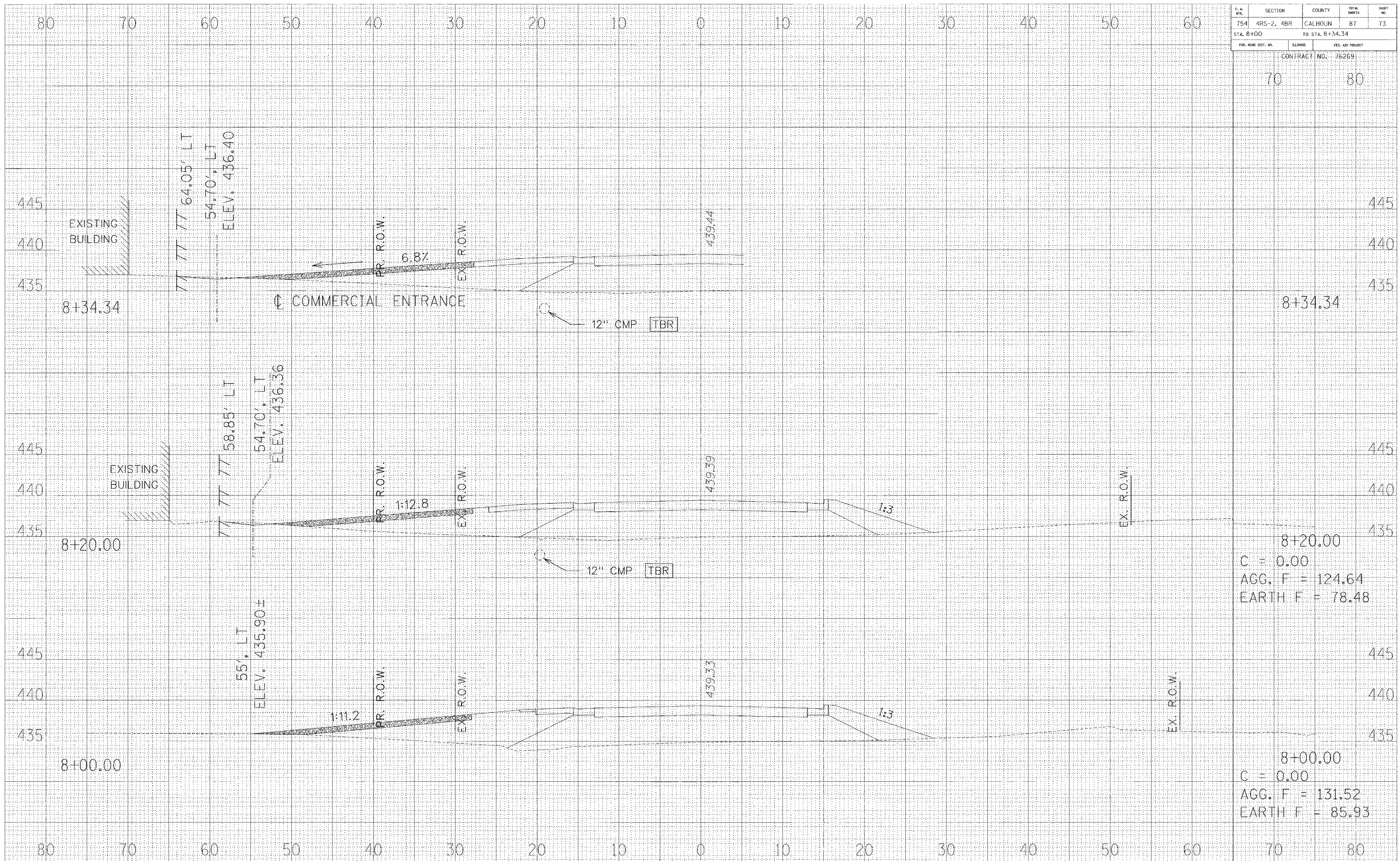


STATION	ELEVATION	AGGREGATE FILL (AGG. F)	EARTH FILL (EARTH F)
7+40.00	435.00	150.26	93.35
7+60.00	435.00	131.02	64.81
7+80.00	435.00	126.42	110.70

F. A. MILE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
754	4RS-2, 4BR	CALHOUN	87	73
STA. 8+00		TO STA. 8+34.34		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

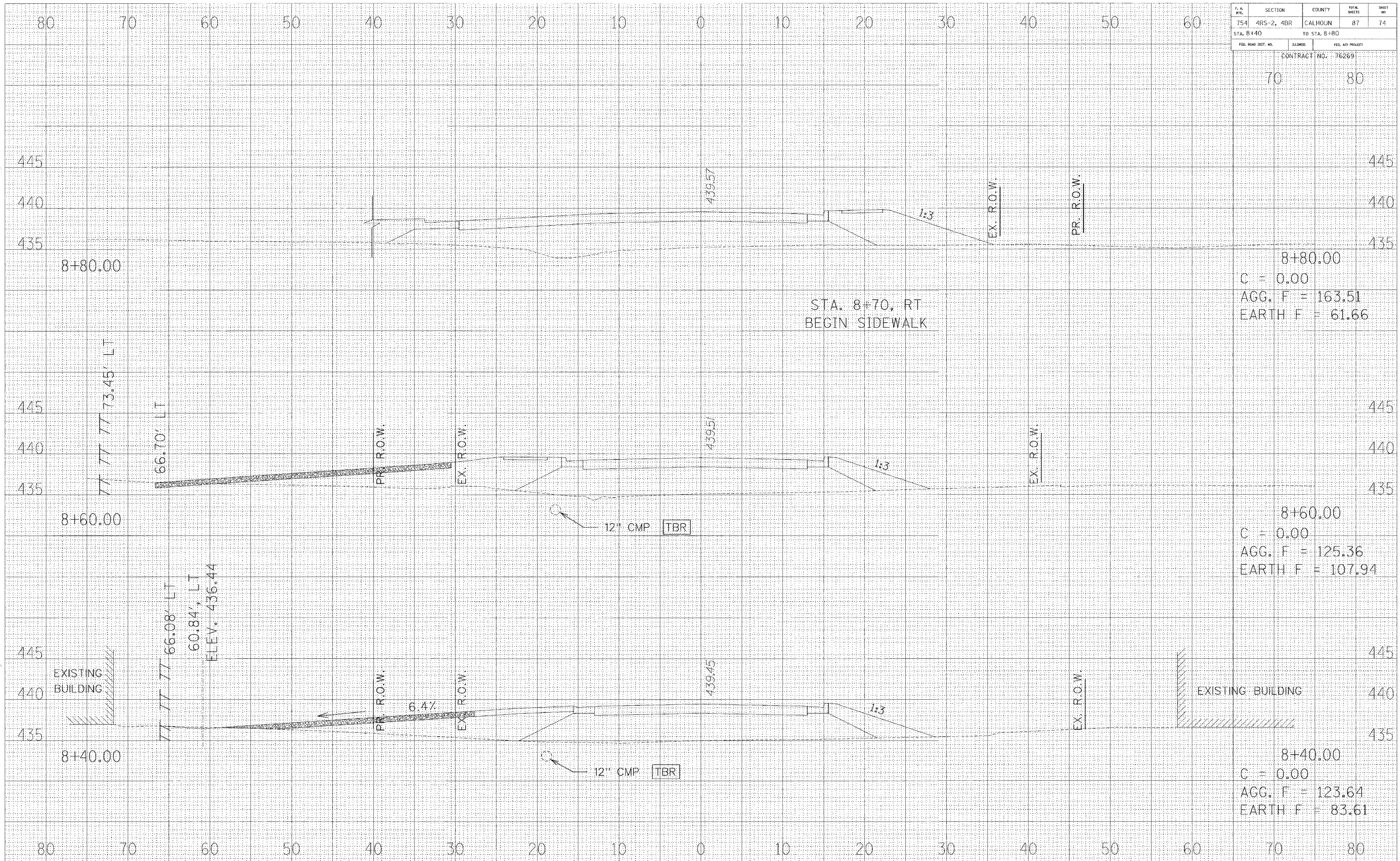
CONTRACT NO. 76269

70 80



P. A. MILE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
754	4RS-2, 4BR	CALHOUN	87	74
STA. 8+40		TO STA. 8+80		
FED. ROAD DIST. NO.	ISSUES	FED. AID PROJECT		

CONTRACT NO. 76269
70 80



8+80.00
C = 0.00
AGG. F = 163.51
EARTH F = 61.66

8+60.00
C = 0.00
AGG. F = 125.36
EARTH F = 107.94

8+40.00
C = 0.00
AGG. F = 123.64
EARTH F = 83.61

STA. 8+70, RT
BEGIN SIDEWALK

12" CMP TBR

12" CMP TBR

8+80.00

8+60.00

8+40.00

73.45' LT

66.70' LT

60.84' LT
ELEV. 436.44

66.08' LT

6.4%

439.57

439.57

439.45

1:3

1:3

1:3

EX. R.O.W.

PR. R.O.W.

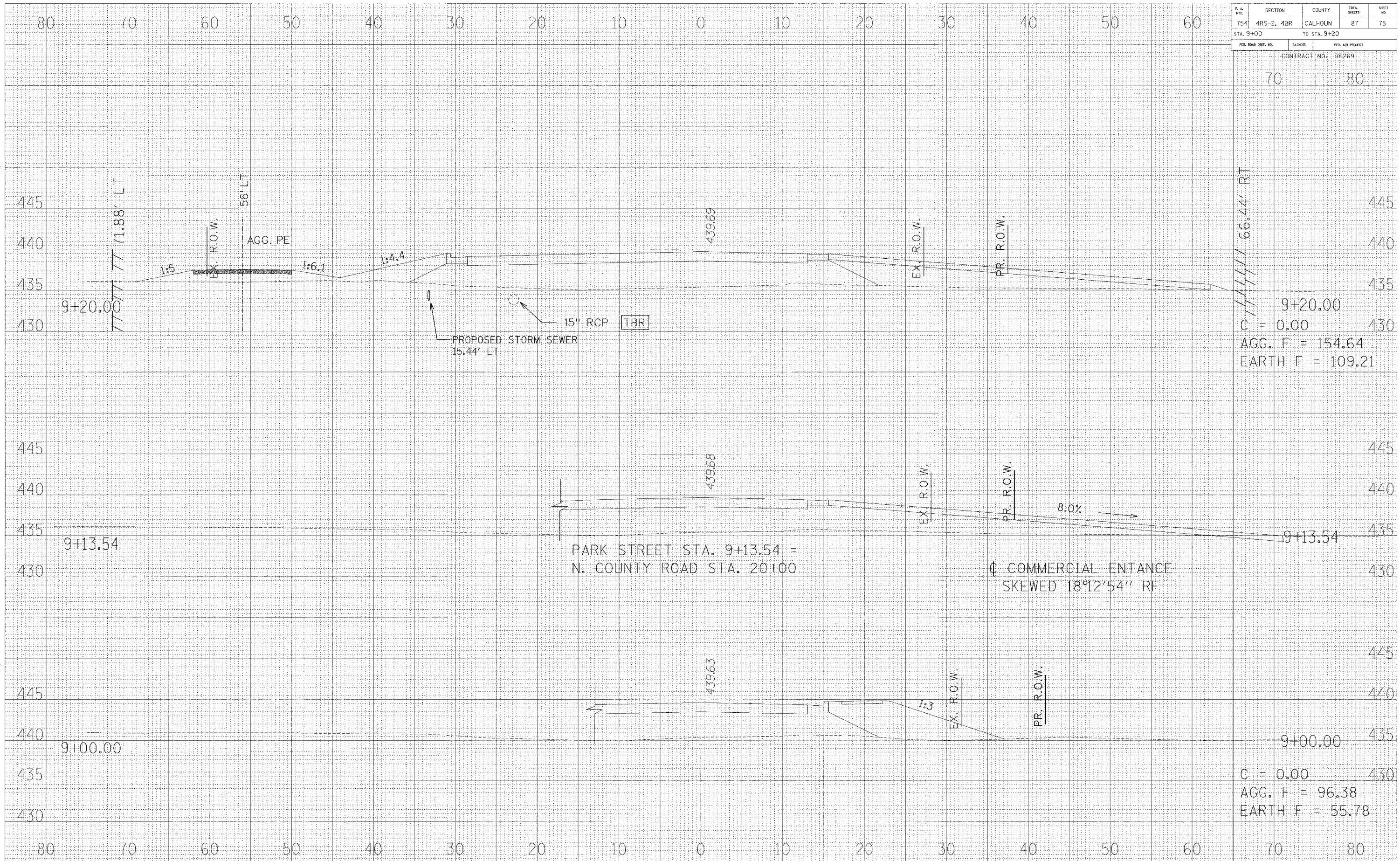
EX. R.O.W.

EX. R.O.W.

EXISTING BUILDING

EXISTING BUILDING

F. A. MILE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
754	4RS-2, 4BR	CALHOUN	87	75
STA. 9+00		TO STA. 9+20		
FED. ROAD DIST. NO.		ALMOST	FED. AID PROJECT	
		CONTRACT NO. 76269		



70 80

445
440
435
430
9+20.00
C = 0.00
AGG. F = 154.64
EARTH F = 109.21

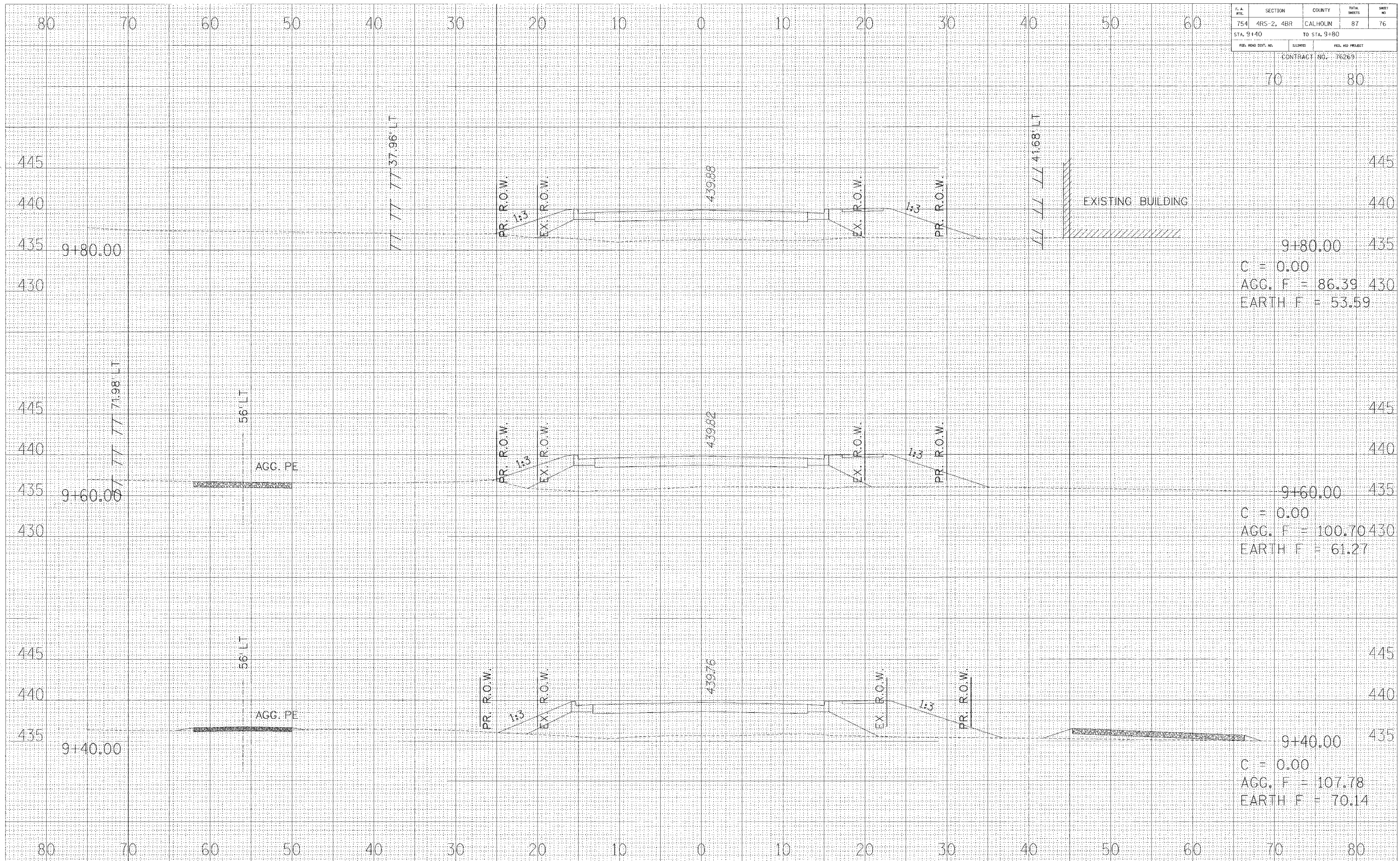
445
440
435
430
9+13.54
PARK STREET STA. 9+13.54 =
N. COUNTY ROAD STA. 20+00
Q COMMERCIAL ENTRANCE
SKEWED 18°12'54" RF

445
440
435
430
9+00.00
C = 0.00
AGG. F = 96.38
EARTH F = 55.78

70 80

F. A. WTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
754	4RS-2, 4BR	CALHOUN	87	76
STA. 9+40		TO STA. 9+80		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

CONTRACT NO. 76269



9+80.00
 C = 0.00
 AGG. F = 86.39
 EARTH F = 53.59

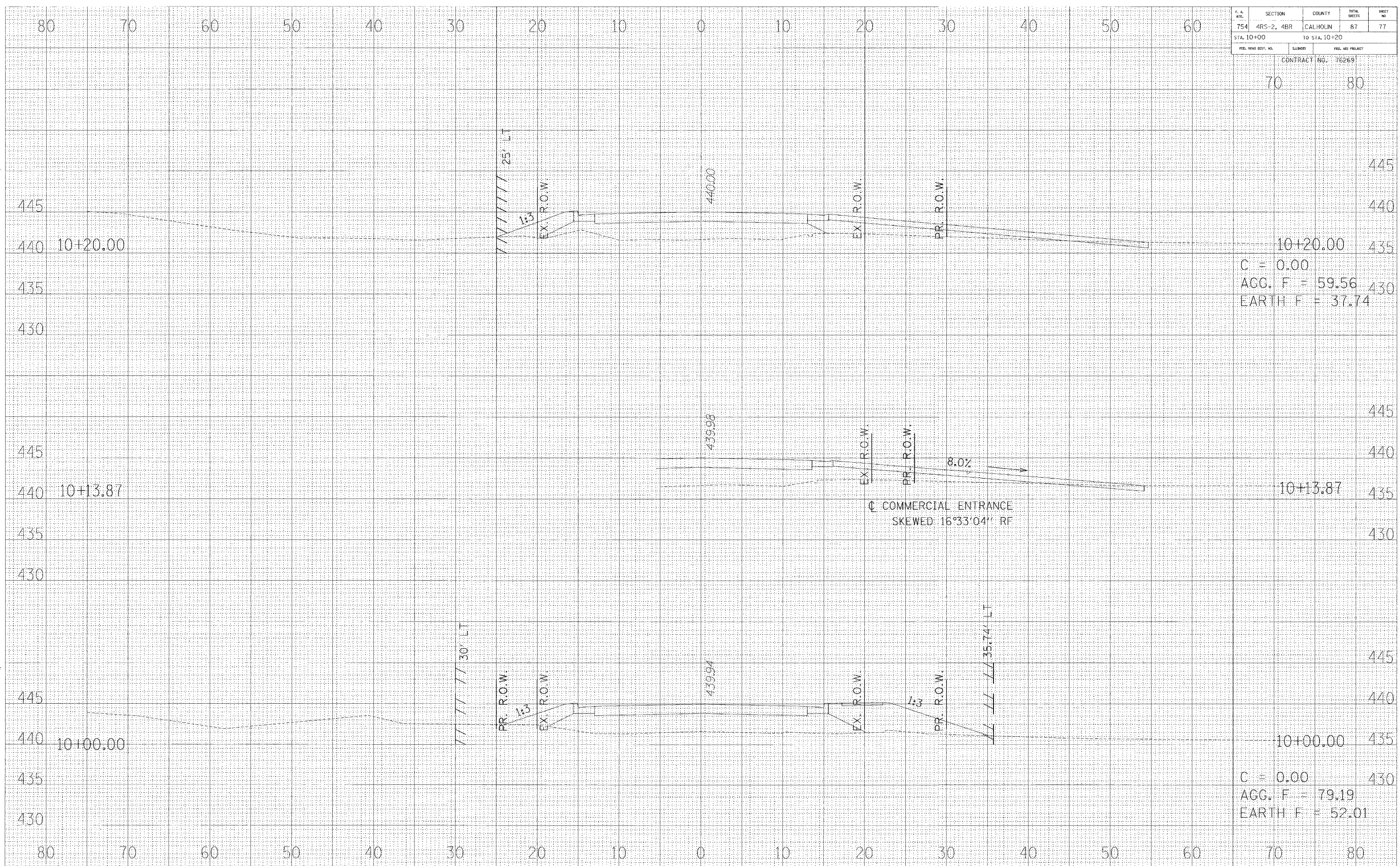
9+60.00
 C = 0.00
 AGG. F = 100.70
 EARTH F = 61.27

9+40.00
 C = 0.00
 AGG. F = 107.78
 EARTH F = 70.14

F. A. MILE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
754	4R5-2, 4BR	CALHOUN	87	77
STA. 10+00		TO STA. 10+20		
FED. ROAD DIST. NO.	LENGTH	FED. AID PROJECT		

CONTRACT NO. 76269

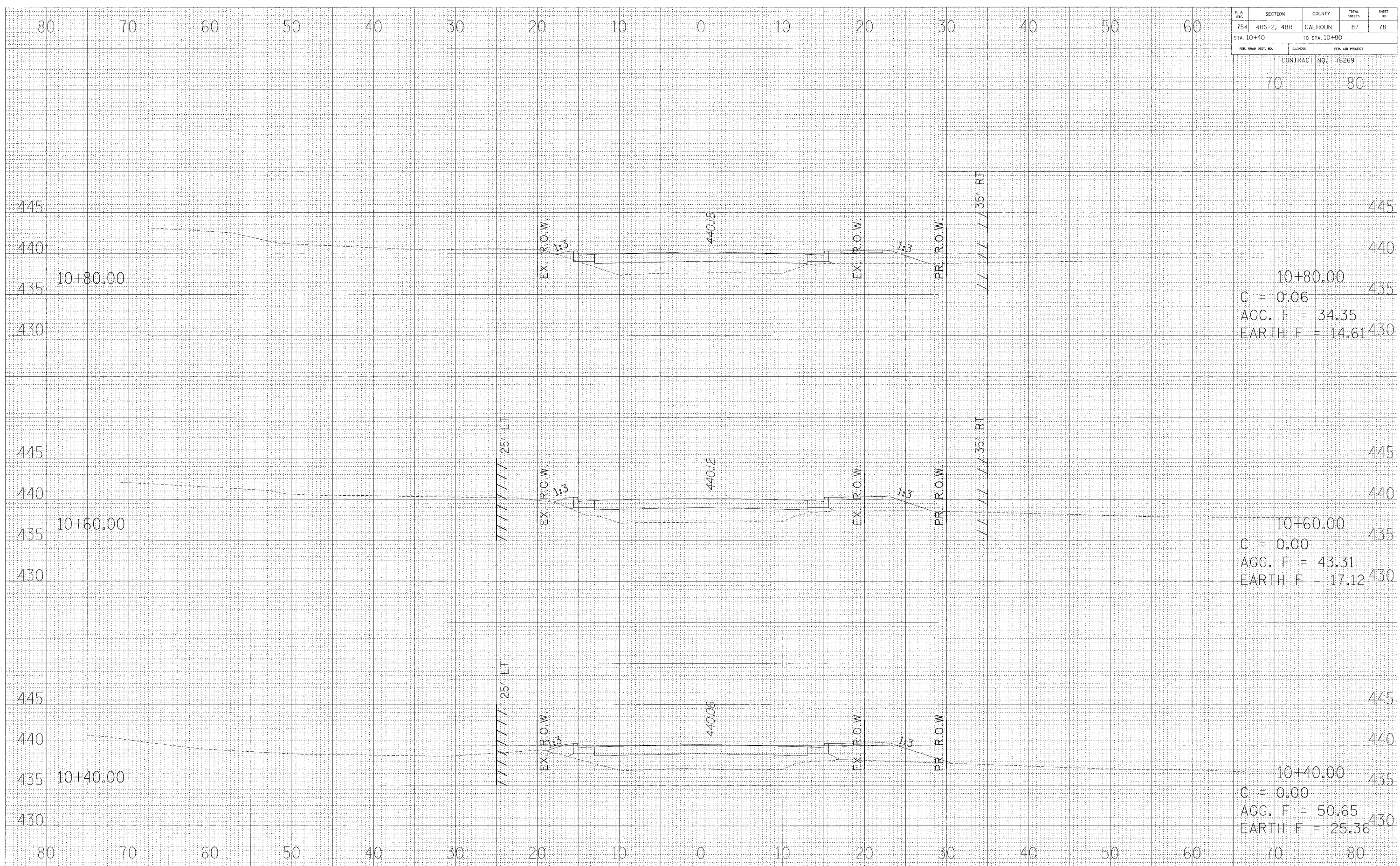
70 80



C = 0.00
 AGG. F = 59.56
 EARTH F = 37.74

C = 0.00
 AGG. F = 79.19
 EARTH F = 52.01

F. A. MILE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
754	4RS-2, 4BR	CALHOUN	87	78
STA. 10+40		TO STA. 10+80		
FED. ROAD DIST. NO.		BLVD.	FED. AID PROJECT	
		CONTRACT NO. 76269		



70 80

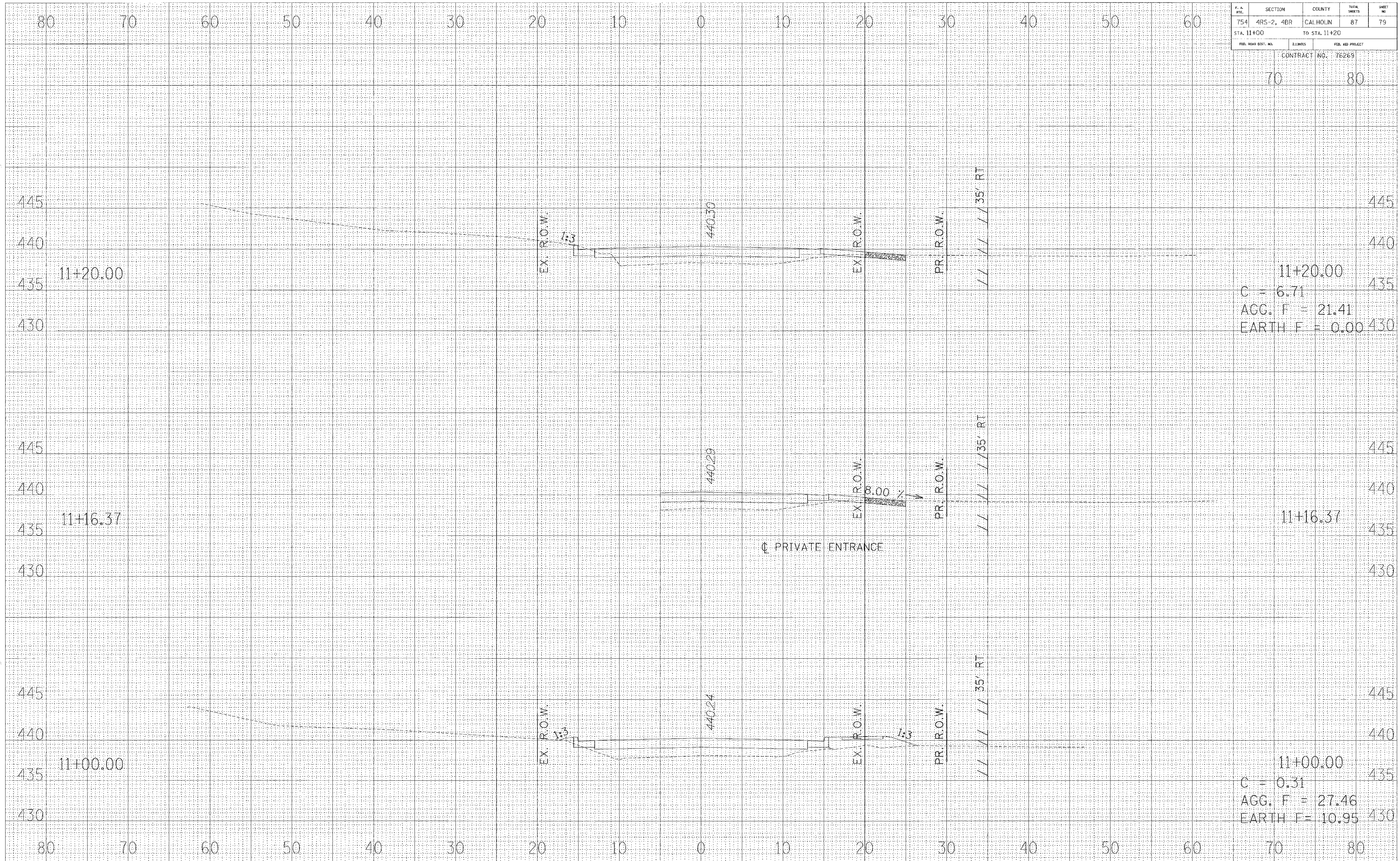
10+80.00
 C = 0.06
 AGG. F = 34.35
 EARTH F = 14.61

10+60.00
 C = 0.00
 AGG. F = 43.31
 EARTH F = 17.12

10+40.00
 C = 0.00
 AGG. F = 50.65
 EARTH F = 25.36

70 80

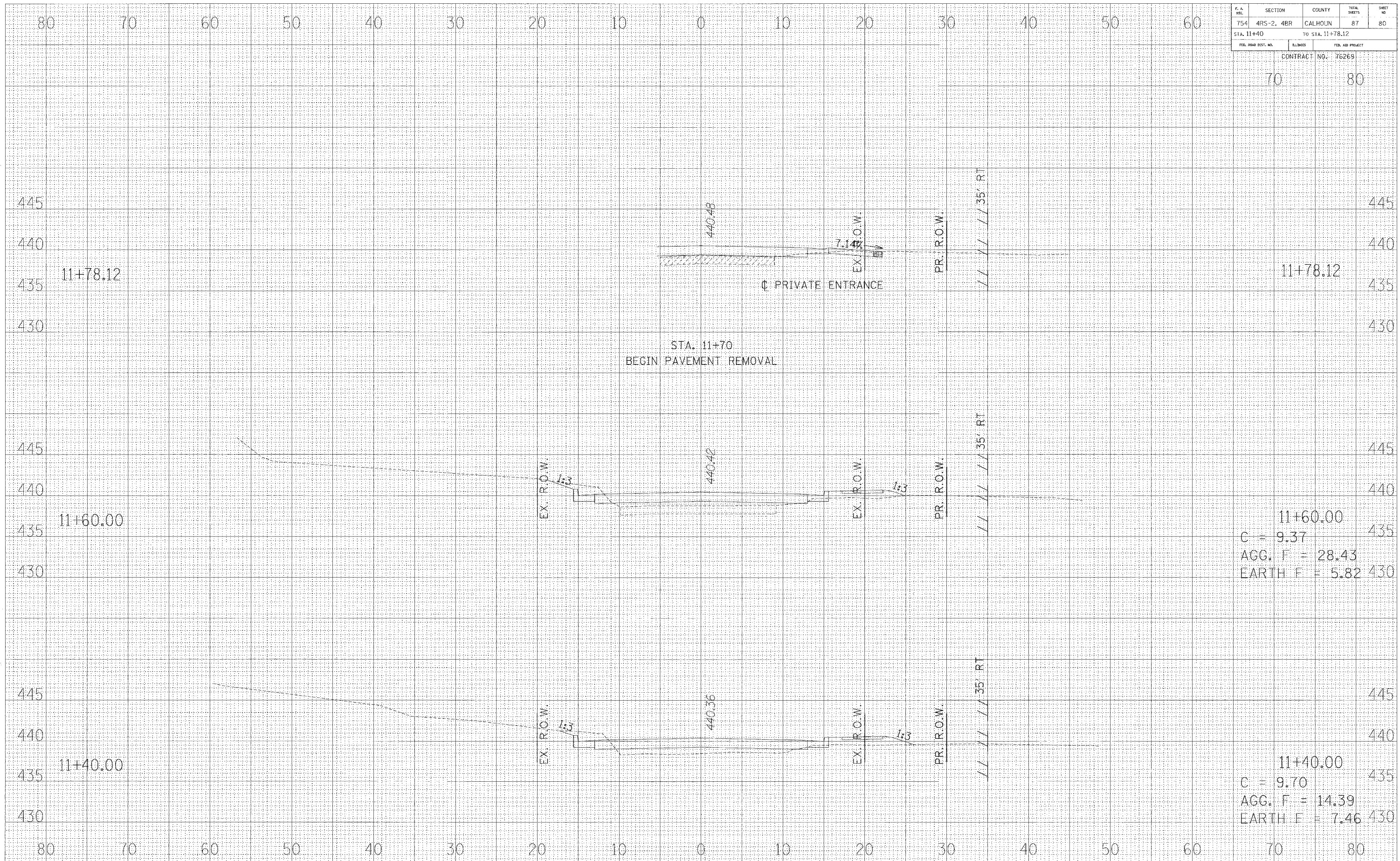
F. A. SHE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
754	4RS-2, 4BR	CALHOUN	87	79
STA. 11+00		TO STA. 11+20		
FED. ROAD DIST. NO.		LENDIS	FED. AID PROJECT	
		CONTRACT NO. 76269		



F. A. SHE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
754	4RS-2, 4BR	CALHOUN	87	80
STA. 11+40		TO STA. 11+78.12		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

CONTRACT NO. 76269

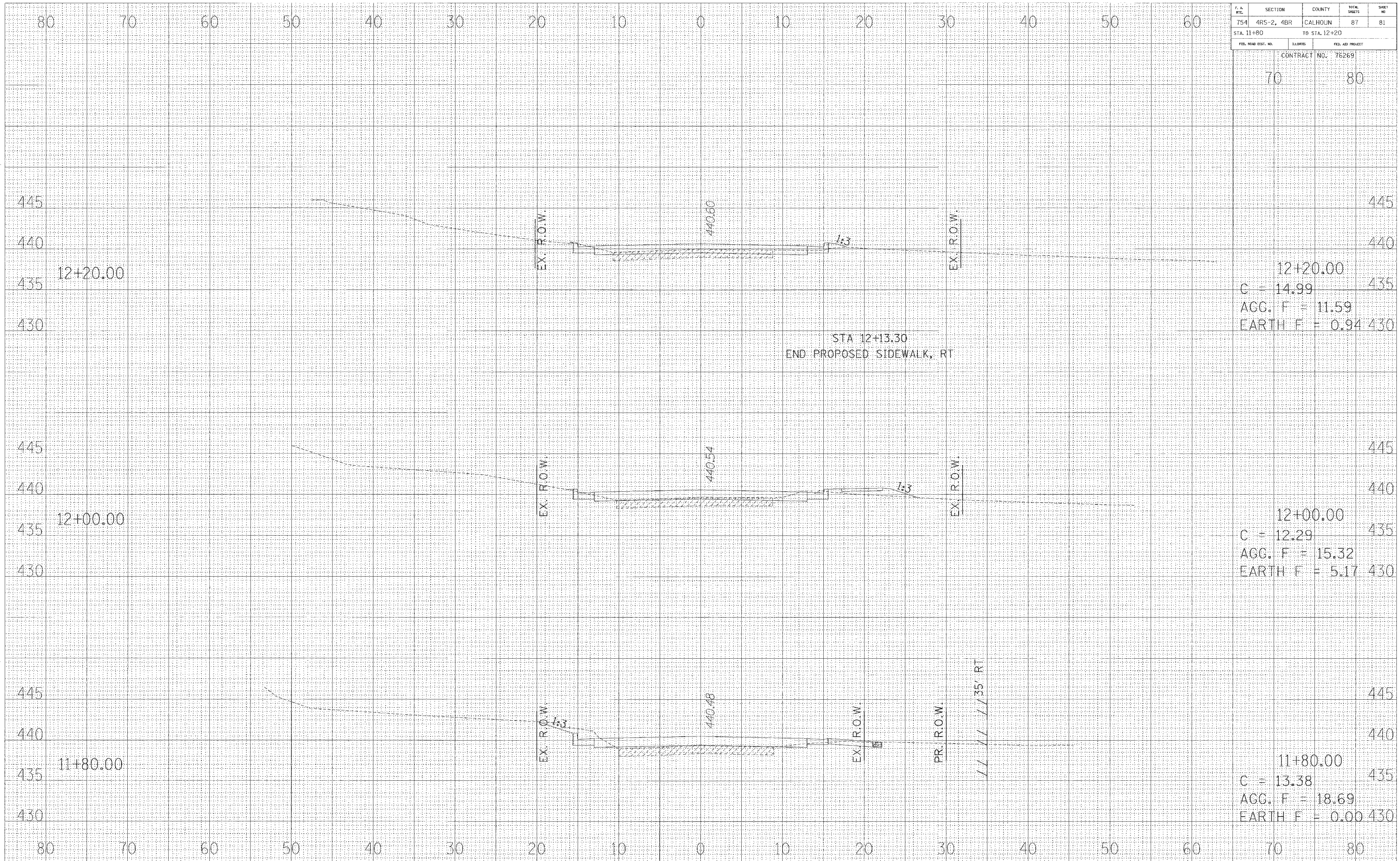
70 80

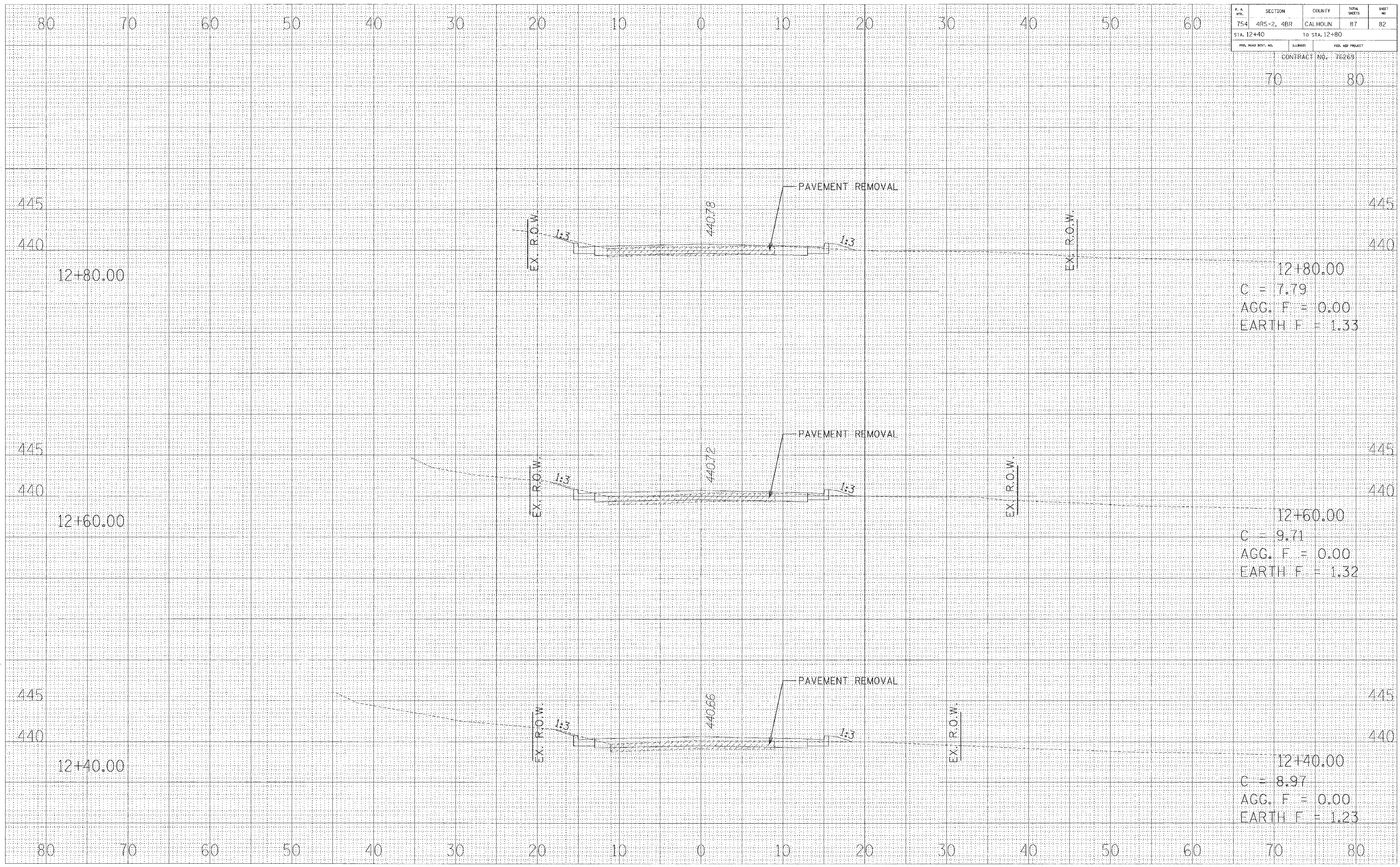


F. A. MILE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
754	4RS-2, 4BR	CALHOUN	87	81
STA. 11+80		TO STA. 12+20		
FED. ROAD DIST. NO.		ELIENS	FED. AID PROJECT	

CONTRACT NO. 76269

70 80





F. A. DIST.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
754	4RS-2, 4BR	CALHOUN	87	82
STA. 12+40		TO STA. 12+80		
FED. ROAD DIST. NO.	LENGTH	FED. AID PROJECT		

CONTRACT NO. 76269

70 80

12+80.00

12+80.00
 C = 7.79
 AGG. F = 0.00
 EARTH F = 1.33

12+60.00

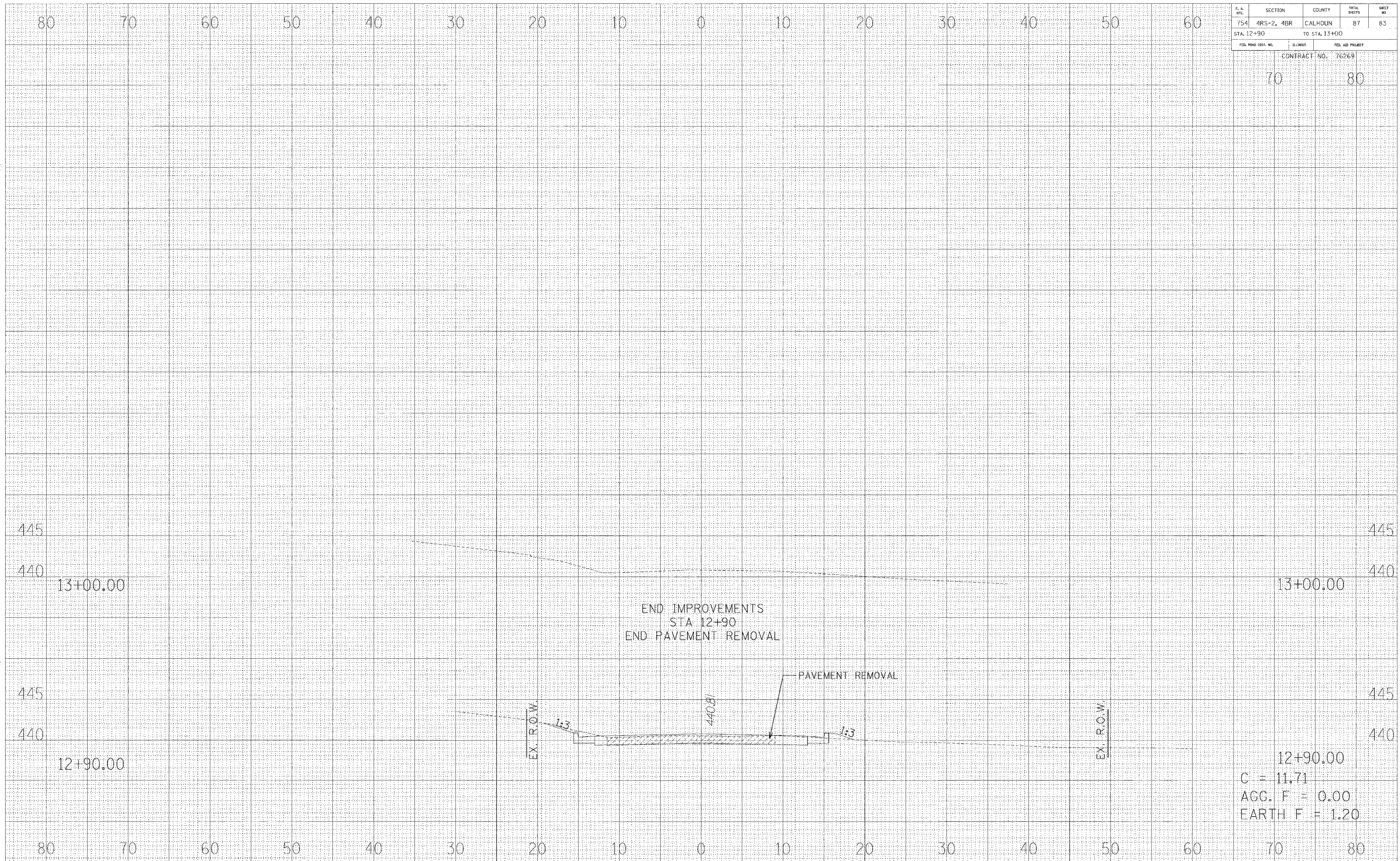
12+60.00
 C = 9.71
 AGG. F = 0.00
 EARTH F = 1.32

12+40.00

12+40.00
 C = 8.97
 AGG. F = 0.00
 EARTH F = 1.23

F. A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
754	4RS-2, 4BR	CALHOUN	87	83
STA. 12+90		TO STA. 13+00		

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT
 CONTRACT NO. 76269
 70 80



END IMPROVEMENTS
 STA 12+90
 END PAVEMENT REMOVAL

PAVEMENT REMOVAL

EX. R.O.W.

EX. R.O.W.

1:3

1:3

440.81

12+90.00
 C = 11.71
 AGG. F = 0.00
 EARTH F = 1.20

13+00.00

13+00.00

12+90.00

12+90.00

445

445

440

440

445

445

440

440

80

70

60

50

40

30

20

10

0

10

20

30

40

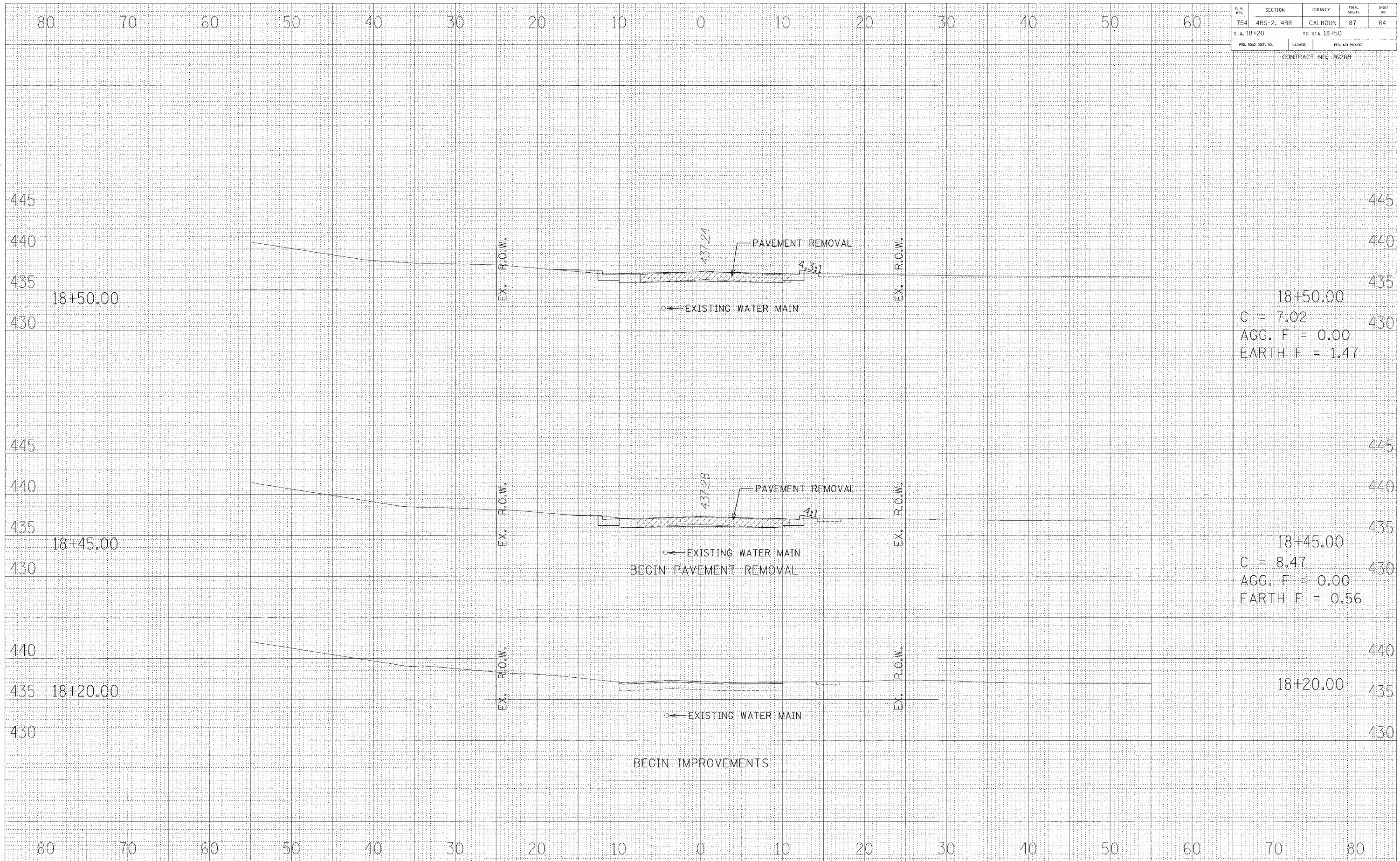
50

60

70

80

F. A. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
754	4RS-2, 4BR	CALHOUN	87	84
STA. 18+20		TO STA. 18+50		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 76269				



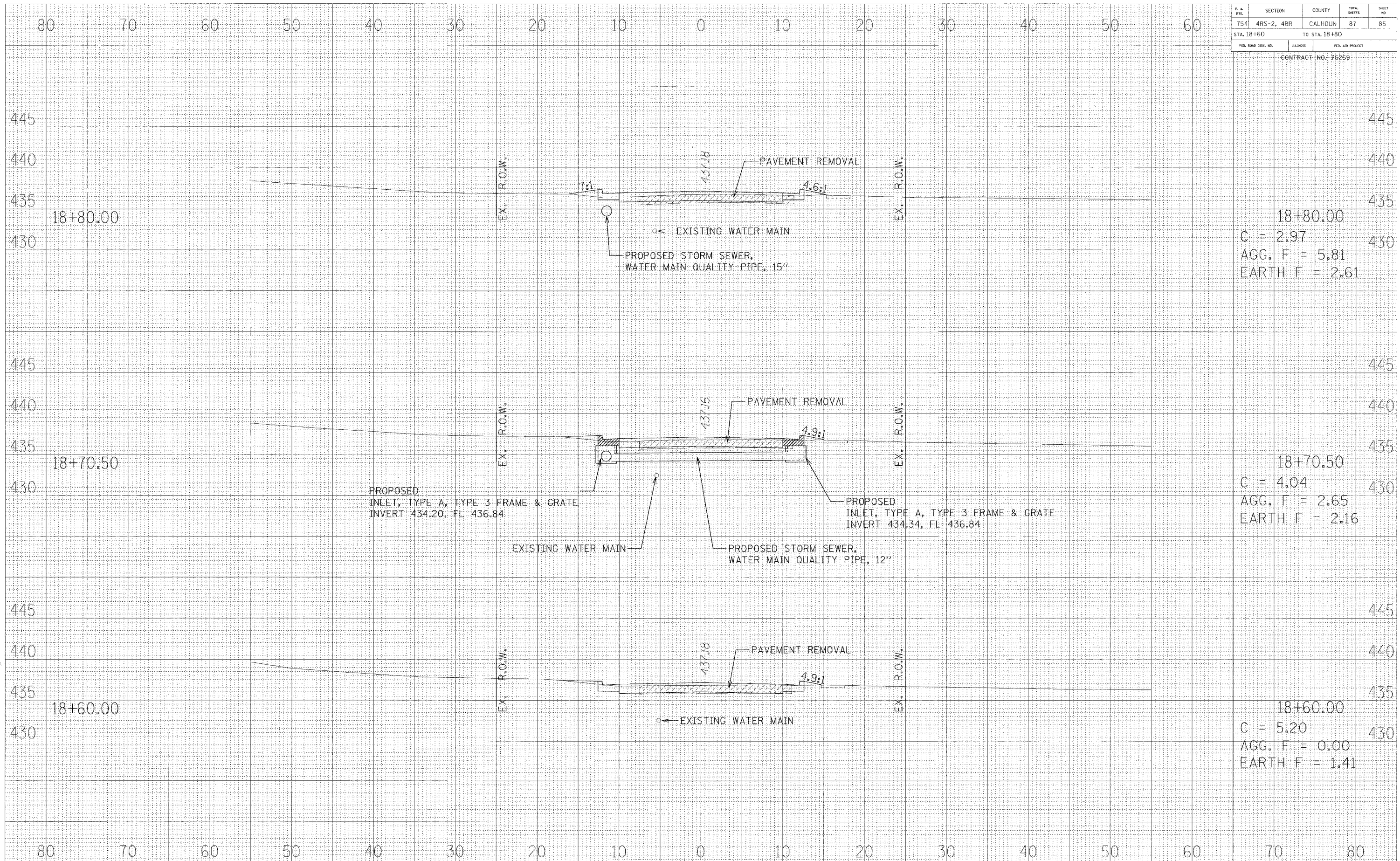
18+50.00
 C = 7.02
 AGG. F = 0.00
 EARTH F = 1.47

18+45.00
 C = 8.47
 AGG. F = 0.00
 EARTH F = 0.56

18+20.00

F. A. DIST.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
754	4RS-2, 4BR	CALHOUN	87	85
STA. 18+60		TO STA. 18+80		
FED. ROAD DIST. NO.		DISTRICT		FED. AID PROJECT

CONTRACT NO. 76269



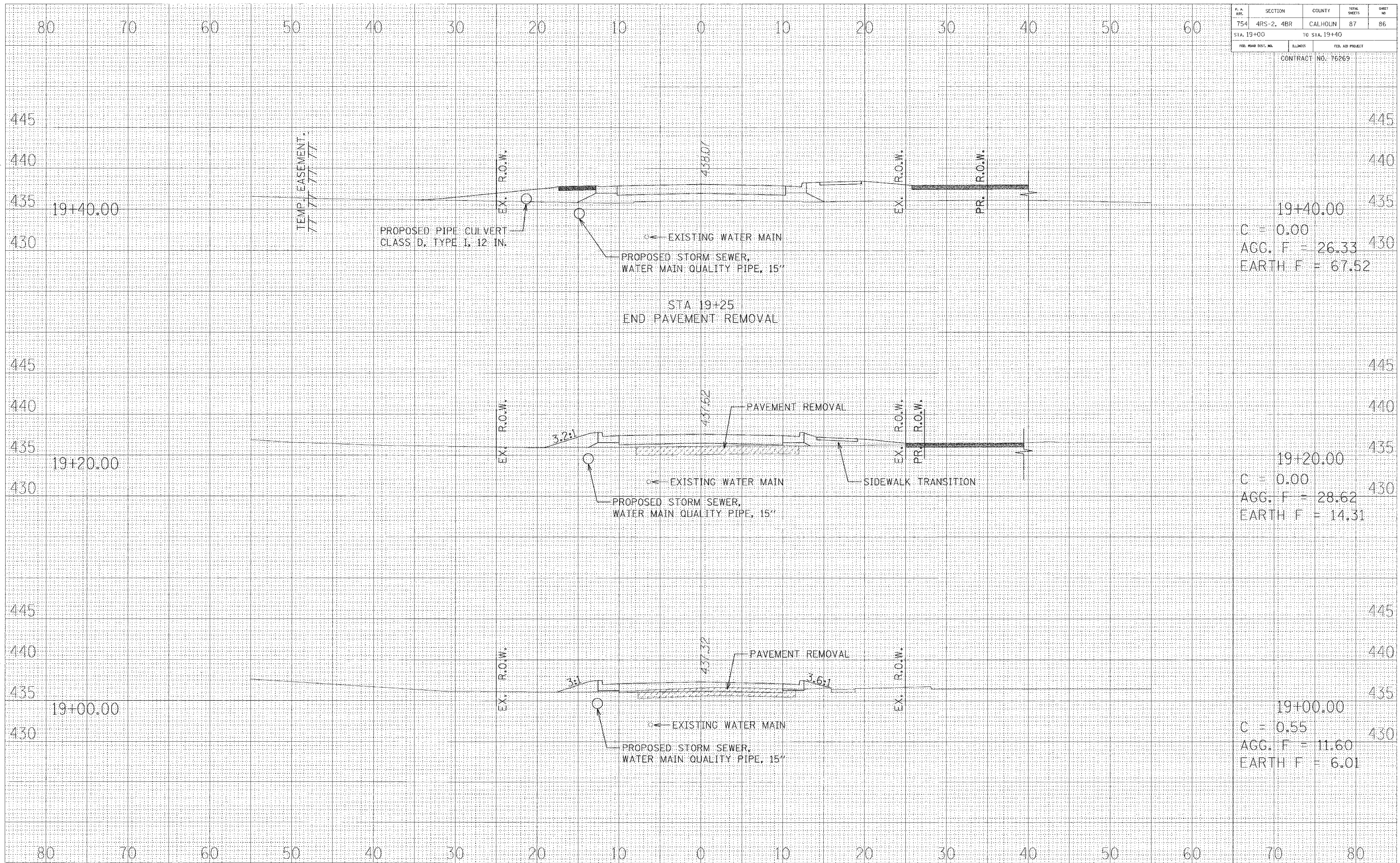
18+80.00
 C = 2.97
 AGG. F = 5.81
 EARTH F = 2.61

18+70.50
 C = 4.04
 AGG. F = 2.65
 EARTH F = 2.16

18+60.00
 C = 5.20
 AGG. F = 0.00
 EARTH F = 1.41

P. A. SHEET	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
754	4RS-2, 4BR	CALHOUN	87	86
STA. 19+00		TO STA. 19+40		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

CONTRACT NO. 76269



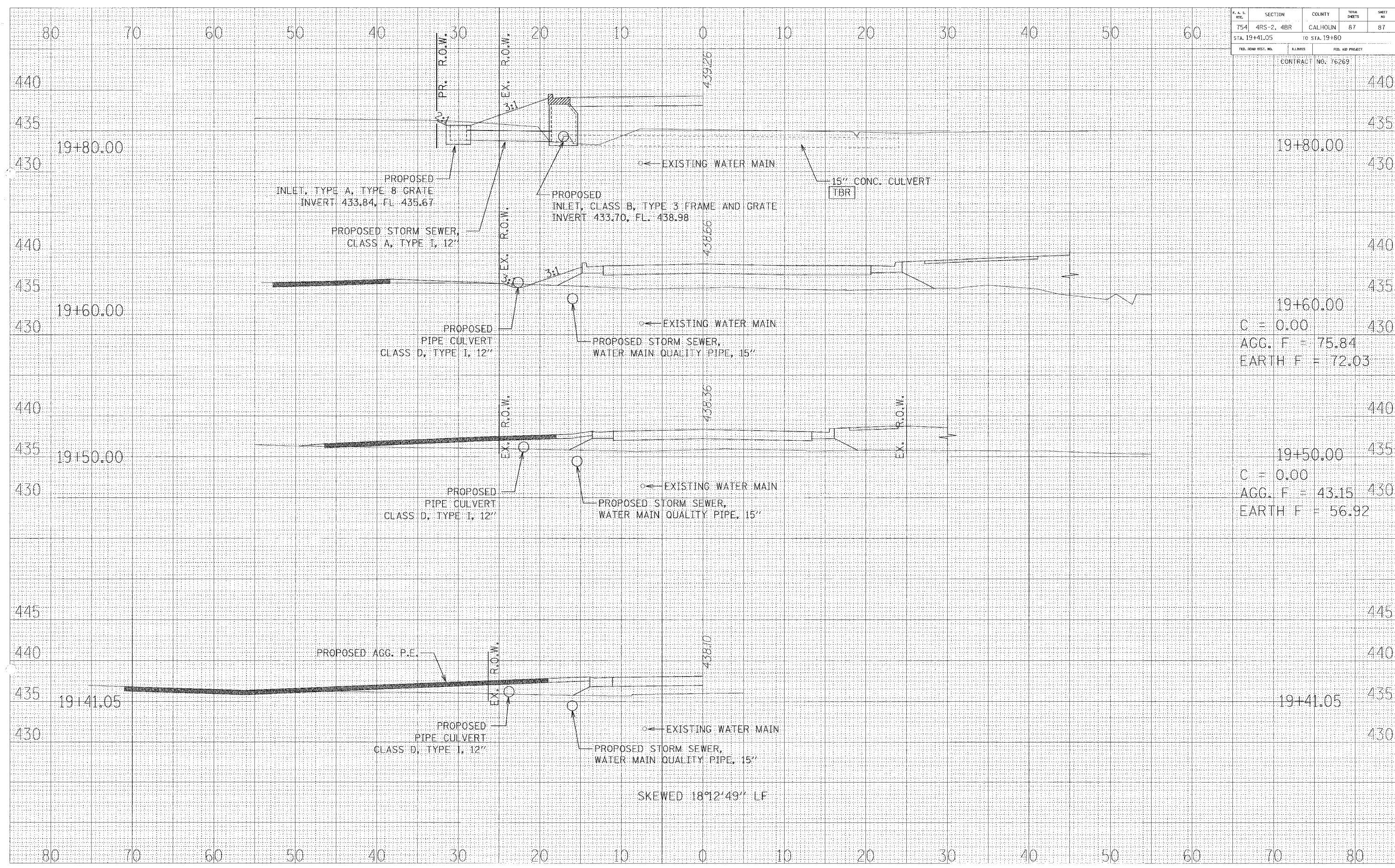
19+40.00
 C = 0.00
 AGG. F = 26.33
 EARTH F = 67.52

19+20.00
 C = 0.00
 AGG. F = 28.62
 EARTH F = 14.31

19+00.00
 C = 0.55
 AGG. F = 11.60
 EARTH F = 6.01

F. A. S. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
754	4RS-2, 4BR	CALHOUN	87	87
STA. 19+41.05	TO STA. 19+80			
FED. ROAD DIST. NO.	ALLOTT	FED. AID PROJECT		

CONTRACT NO. 76269



440		440
435		435
430	19+80.00	430
440		440
435		435
430	19+60.00	430
	C = 0.00	
	AGG. F = 75.84	
	EARTH F = 72.03	
440		440
435		435
430	19+50.00	430
	C = 0.00	
	AGG. F = 43.15	
	EARTH F = 56.92	
445		445
440		440
435	19+41.05	435
430		430

SKEWED 18°12'49" LF