06-11-2021 LETTING ITEM 227

	INDEX
HEET NO.	DESCRIPTION
1	COVER SHEET
2	GENERAL NOTES, COMMITMENTS, AND PAVEMENT MIX TABLE
3 - 7	SUMMARY OF QUANTITIES
8	TYPICAL SECTION
9 - 10	SCHEDULES
11 - 13	ALIGNMENTS, BENCHMARKS, AND TIES
14 - 17	PLAN & PROFILE
18	MAINTENANCE OF TRAFFIC
19 - 22	DRAINAGE PLAN
23 - 26	EROSION CONTROL PLAN
27 - 28	JOINTING PLAN
29 - 32	GRADING PLAN
33 - 34	PAVING DETAILS

TRAFFIC DATA

STRUCTURE NO. 014-2461 CROSS SECTIONS

LOCATION	EXISTING US 50					
2019 ADT	8,300 (ACTUAL)					
2021 ADT	8,500 (ESTIMATED)					
2041 ADT	9,700 (ESTIMATED)					
MU%	7.2					
SU%	3.0					

FRANCIS B. NELSON III ILLINOIS P.E. 062,059187

NELSON III

062-059187

EXPIRES 11/30/2021 PREPARED BY:

0

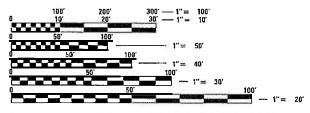
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2351 SOUTH DIRKSEN PARKWAY SPRINGFIELD, ILLINOIS 62703 (217) 670-0563 (P) / 217-245-5398 (F) PROJECT MANAGER: QUIGG ENGINEERING INC FRANCIS B. NELSON III, P.E. www.quiggengineering.com



ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES, IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS 1-800-892-0123

PROJECT ENGINEER: JOHN SENGER (217) 782–8582 PROJECT MANAGER: TIFFANY BRASE (618) 346-3175

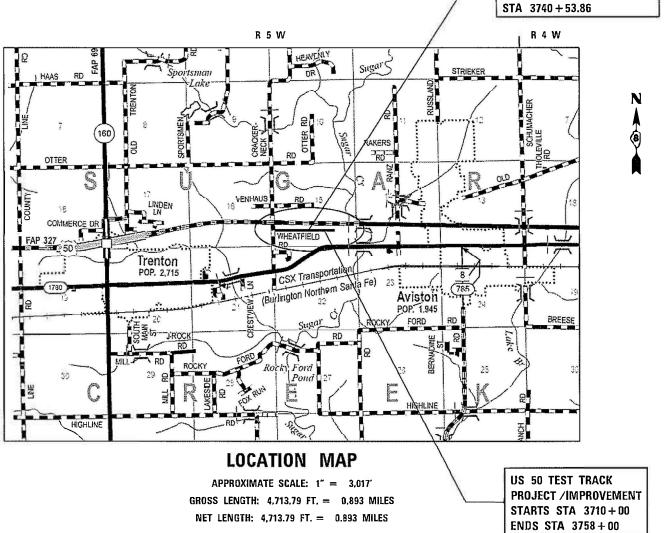
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

PROPOSED HIGHWAY PLANS

C-98-122-20

FAP ROUTE 327 (US 50) - TEST TRACK **SECTION 14-12-TEST TRACK-1** PROJECT SPRP-6UJ3(741) **ROADWAY CONSTRUCTION CLINTON COUNTY**

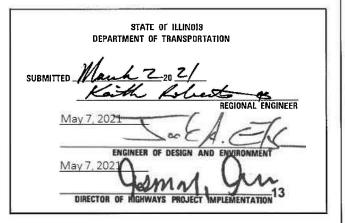
PR EXTENSION SN 014-2461



14-12-TEST TRACK-1 CLINTON 70 1 JUNOIS CONTRACT NO. 76N84

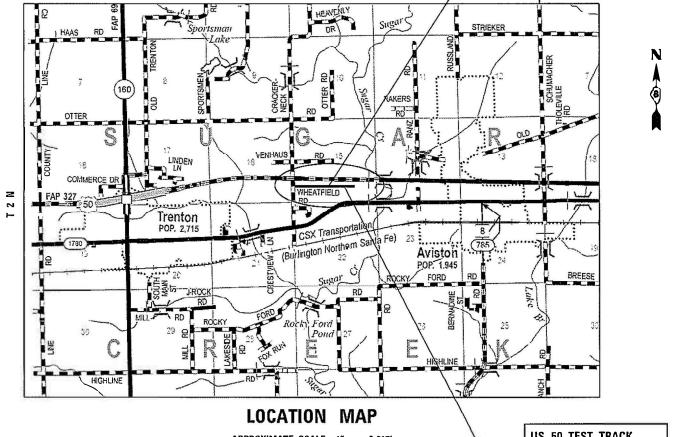
D-98-114-20





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CONTRACT NO. 76N84

	AERIAL	BURIE
AMEREN ILLINOIS (GAS)		Χ
AT&T ILLINOIS (COMMUNICATIONS)	X	Х
VILLAGE OF AVISTON (WATER & SANITARY SEWER)		X
CHARTER COMMUNICATIONS (CABLE TV)	X	Χ
CLINTON COUNTY ELECTRIC COOPERATIVE, INC. (ELECTRIC)	X	X
TRI-TOWNSHIP WATER DISTRICT (WATER)		Χ

- THE DISTRICT'S NUCLEAR DENSITY SUPERVISOR SHALL BE CONTACTED UPON COMPLETION
 OF THE SUBGRADE AND PRIOR TO THE SUBBASE GRANULAR PLACEMENT TO DETERMINE THE
 NECESSITY OF THE SUBGRADE IMPROVEMENTS.
- 3. THE CONTRACTOR SHALL PROVIDE POSITIVE AND ADEQUATE DRAINAGE AT ALL TIMES.
- 4. ALL ELEVATIONS REFER TO THE NAVD 88 DATUM.
- ALL STATION AND OFFSETS FOR FLARED END SECTIONS ARE GIVEN AT THE POINT OF CONNECTION TO THE PIPE.
- ALL STATION AND OFFSETS SHOWN FOR PROPOSED PAVEMENT ARE GIVEN AT THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
- 7. ALL RIGHT OF WAY SHOWN IS APPROXIMATE BASED ON GIS RECORDS FOR CLINTON COUNTY. THERE ARE NOT INTENDED TO BE ANY RIGHT OF WAY IMPACTS ON THE PROJECT. RIGHT OF WAY IS SHOWN FOR REFERENCE ONLY.
- 8. FACTORS FOR ESTIMATING PLAN QUANTITIES ARE AS FOLLOWS AND SHALL NOT BE USED FOR THE BASIS OF FINAL QUANTITIES:

HOT-MIX ASPHALT SURFACE COURSE HOT-MIX ASPHALT BINDER COURSE TEMPORARY EROSION CONTROL SEEDING NITROGEN FERTILIZER NUTRIENT	112 LB/SQ YD/IN 112 LB/SQ YD/IN 100 LB/ACRE 90 LB/ACRE
PHOSPHORUS FERTILIZER NUTRIENT	90 LB/ACRE
POTASSIUM FERTILIZER NUTRIENT	90 LB/ACRE
CLASS A-2 SURFACE TREATMENT	
BITUMINOUS MÁTERIALS (PRIME COAT)	0.50 GAL/SQ YD
	259 GAL/TON
BITUMINOUS MATERIALS (COVER & SEAL COAT)	0.50 GAL/SQ YD
	242 GAL/TON
COVER COAT AGGREGATE	25 LB/SQ YD
SEAL COAT AGGREGATE	25 LB/SQ YD
BITUMINOUS MATERIALS (TACK COAT)	0.025 LB/SQ FT
BITUMINOUS MATERIALS (FOG SEAL)	0.05 LB/SQ FT

COMMITMENTS

1. TREE CLEARING RESTRICTION: TREES THREE INCHES OR GREATER IN DIAMETER AT BREAST HEIGHT SHALL NOT BE CLEARED FROM APRIL 1 TO SEPTEMBER 30 OF ANY YEAR.

HIGHWAY STANDARDS

000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-0 7	TEMPORARY EROSION CONTROL SYSTEMS
420001-09	PAVEMENT JOINTS
420101-06	24' (7.2 M) JOINTED PCC PAVEMENT
420111-04	PCC PAVEMENT ROUNDOUTS
421001-03	BAR REINFORCEMENT FOR CRC PAVEMENT
421101-10	24' (7.2 M) CRC PAVEMENT
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
542401-04	METAL FLARED END SECTION FOR PIPE CULVERTS
665001-02	WOVEN WIRE FENCE
701001-02	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5m) AWAY
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5m) TO 24" (600mm)
	FROM PAVEMENT EDGE
701011-04	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-04	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY
	ONLY, FOR SPEEDS ≥ 45 MPH
701901-08	TRAFFIC CONTROL DEVICES

PAVEMENT MIX TABLE

	ROADWAY								
MIXTURE USE(S):	SURFACE	SURFACE (SMA)	BINDER	STABILIZED SUBBASE					
PG:	PG 64-22	SBS 76-22	PG 64-22	PG 64-22					
DESIGN AIR VOIDS	4% @ N70	4% @ N80	4% @ N70	4% @ N30					
MIXTURE COMPOSITION	IL-9.5	IL SMA 12.5	IL-19.0	IL-19.0					
FRICTION AGGREGATE	MIXTURE D	MIXTURE E	N/A	N/A					
QUALITY MANAGEMENT PROGRAM TO BE USED	QCP	QCP	QCP	QCP					
RAP	0%	0% 0% MAX. 15%							
TACK COAT	SHALL BE SS-1hp AND MUST BE PLACED 18 - 24 HOURS PRIOR TO PAVING								

QUIGG ENGINEERING INC

USER NAME = smaxwell	DESIGNED	-	JB	REVISED -	_
	DRAWN	-	JB	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED	-	FBN	REVISED -	
PLOT DATE = 2/18/2021	DATE	-	02/19/2021	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: NONE

GENE	RAL NO	TES, COM	MITMEN	ITS,		F.A.P SECTION					COUNT	
AN	D DAVE	MENT M	IV TADII	E .	32	27 [14-12-TES	T TRACK	-1	CLINTON	
AN	D PAVE	IVICIVI IVI	IN IADL	<u> </u>							CONTRA	
SHEET	OF	SHEETS	STA.	TO STA.					ILLINOIS	FED. A	D PROJECT	

REV. - MS

			000/ 550	CONSTRUCTION TYPE CODE			
			80% FED 20% STATE				
				ROADWAY	BOX CULVERT		
CODE	ITEM	UNIT	TOTAL QUANTITY	0001	0008		
NO.			QUANTITY	RURAL	RURAL		
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	55	55			
20200100	EARTH EXCAVATION	CU YD	58,890	58,890			
20800150	TRENCH BACKFILL	CU YD	84	84			
20800130	TRENCH BACKFILL	CO 1D	04	04			
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	38,446	38,446			
25000200	SEEDING, CLASS 2	ACRE	4.75	4.75			
25000210	SEEDING, CLASS 2A	ACRE	3.25	3.25			
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	715	715			
25000500	PHOSPHORUS FERTILIZER NUTRIENT	DOLIND	7.1.5	715			
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	715	715			
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	715	715			
25100115	MULCH, METHOD 2	ACRE	8.00	8.00			
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	2,382	2,382			
28000305	TEMPORARY DITCH CHECKS	FOOT	1,806	1,806			
2000400	DEDIMETED EDOCION PARRIED	FOOT	426	426			
28000400	PERIMETER EROSION BARRIER	FOOT	436	436			
28000500	INLET AND PIPE PROTECTION	EACH	5	5			
LISER NAME	= smaxwell DESIGNED SDM REVISED				F.A.P. CECTION		

 USER NAME
 = smaxwell
 DESIGNED
 SDM
 REVISED

 PLOT SCALE
 = 100,0000 °/ in.
 CHECKED
 FBN
 REVISED

 PLOT DATE
 = 2/18/2021
 DATE
 02/19/2021
 REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: NONE SHEET 1 OF 5 SHEETS STA. TO STA.

F.A.P. RTE. SECTION COUNTY TOTAL SHEETS NO. 327 14-12-TEST TRACK-1 CLINTON 70 3

LILLINGIS FED. AID PROJECT.

CONSTRUCTION TYPE CODE

			80% FED 20% STATE		
				ROADWAY	BOX CULVERT
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0001	0008
110.			QOANTITI	RURAL	RURAL
28100109	STONE RIPRAP, CLASS A5	SQ YD	196	196	
28200200	FILTER FABRIC	SQ YD	261	261	
21100010	CURRACE CRANIII AR MATERIAL TYRE A 121	CO VD	21 127	21 127	
31100910	SUBBASE GRANULAR MATERIAL, TYPE A 12"	SQ YD	21,137	21,137	
35100500	AGGREGATE BASE COURSE, TYPE A 6"	SQ YD	1,306	1,306	
40300200	BITUMINOUS MATERIALS (PRIME COAT)	TON	2.6	2.6	
40300400	BITUMINOUS MATERIALS (COVER AND SEAL COATS)	TON	5.5	5.5	
40300500	COVER COAT AGGREGATE	TON	17	17	
40300600	SEAL COAT AGGREGATE	TON	17	17	
40400110	MICDO CURFACING CINCLE DACC	50 VP	0.45	0.45	
40400118	MICRO-SURFACING, SINGLE PASS	SQ YD	845	845	
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	3,564	3,564	
40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	1,922	1,922	
40604062	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	296	296	
40605034	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 12.5, MIX "E", N80	TON	296	296	
42000101	PORTLAND CEMENT CONCRETE PAVEMENT 6" (JOINTED)	SQ YD	4,122	4,122	
.2333101	. S I Constitution of Contract, Con	1 34 15	r, 122	7,122	
					I E A D

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

								RTE	SECT
		SUI	MMA	\RY	OF QU	ANTITIES	3	327	14-12-TEST
SCALE: NONE	E: NONE SHEET 2 OF 5 SHEETS STA. TO STA.								

CONSTRUCTION TYPE CODE

F.A.P RTE.

SECTION COUNTY TOTAL SHEETS NO.

327 14-12-TEST TRACK-1 CLINTON 70 4

CONTRACT NO. 76N84

	001/ FED		80% FED	CONSTRUCTI	ON TYPE CODE
			20% STATE		
				ROADWAY	BOX CULVERT
CODE	ITEM	UNIT	TOTAL QUANTITY	0001	0008
NO.			QUANTITY	RURAL	RURAL
					1,0,0,0
42000311	PORTLAND CEMENT CONCRETE PAVEMENT 8 1/2" (JOINTED)	SQ YD	5,280	5,280	
42001300	PROTECTIVE COAT	SQ YD	2,654	2,654	
42100615	PAVEMENT REINFORCEMENT	SQ YD	5,014	5,014	
48100700	AGGREGATE SHOULDERS, TYPE A 8"	SQ YD	4,113	4,113	
50200100	STRUCTURE EXCAVATION	CU YD	85.4		85.4
50800105	REINFORCEMENT BARS	POUND	22,330		22,330
		20,000	252		0.50
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	250		250
51500100	NAME PLATES	EACH	1		1
54002020	EXPANSION BOLTS 3/4 INCH	EACH	28		28
54003000	CONCRETE BOX CULVERTS	CU YD	106.3		106.3
542A1075	PIPE CULVERTS, CLASS A, TYPE 2 30"	FOOT	75	75	
542D0229	PIPE CULVERTS, CLASS D, TYPE 1 24"	FOOT	268	268	
54213675	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 30"	EACH	1	1	
54262724	METAL FLARED END SECTIONS 24"	EACH	4	4	
LISER NAME	= smarwell DESIGNED SDM REVISED				I F.A.P. CECTION

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

		SUI	VIMA	RY	OF QU	ANTITIES	
SCALE: NONE	SHEET	3	OF	5	SHEETS	STA.	TO STA.

CONSTRUCTION TYPE CODE

MODEL: Default

			000/ 550	CONSTRUCTIO	ON TYPE CODE
			80% FED 20% STATE		
6005			TOTAL	ROADWAY	BOX CULVERT
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0001	0008
				RURAL	RURAL
66500105	WOVEN WIRE FENCE, 4'	FOOT	4,938	4,938	
67000400	ENGINEERIC FIELD OFFICE TYPE A	MONTH	12	12	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	MONTH	12	12	
67100100	MOBILIZATION	L SUM	1	1	
X0300010	BITUMINOUS MATERIALS (FOG SEAL)	POUND	240	240	
X0323716	ACCESS GATE, DOUBLE, 30 FOOT	EACH	1	1	
X1500001	BITUMINOUS SURFACE TREATMENT, (PREVENTIVE MAINTENANCE)	SQ YD	534	534	
X4202005	DIAMOND GRINDING AND GROOVING (ROADWAY SECTION)	SQ YD	2,654	2,654	
X4211080	WIDE FLANGE BEAM TERMINAL JOINT COMPLETE (SPECIAL)	EACH	2	2	
X5010523	REMOVE CONCRETE END SECTION	EACH	1	1	
X3010323	NEMOVE CONCINETE END SECTION	L/(C/I	-		
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1	
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1	
Z0033700	LONGITUDINAL JOINT SEALANT	FOOT	15,840	15,840	
Z0034105	MATERIAL TRANSFER DEVICE	TON	2,514	2,514	
31200490	STABILIZED SUBBASE - HOT-MIX ASPHALT, 3"	SQ YD	21,137	21,137	
USER NAME	= smaxwell DESIGNED - SDM REVISED -				FA.P SECTION

REV. - MS



USER NAME = smaxwell	DESIGNED -	SDM	REVISED -
	DRAWN -	SDM	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED -	FBN	REVISED -
PLOT DATE = 3/15/2021	DATE -	02/19/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

			SU	MMA	RY	OF QU	ANTITIES		327	14-1
İ	SCALE: NONE	SHEET	4	OF	5	SHEETS	STA.	TO STA.		

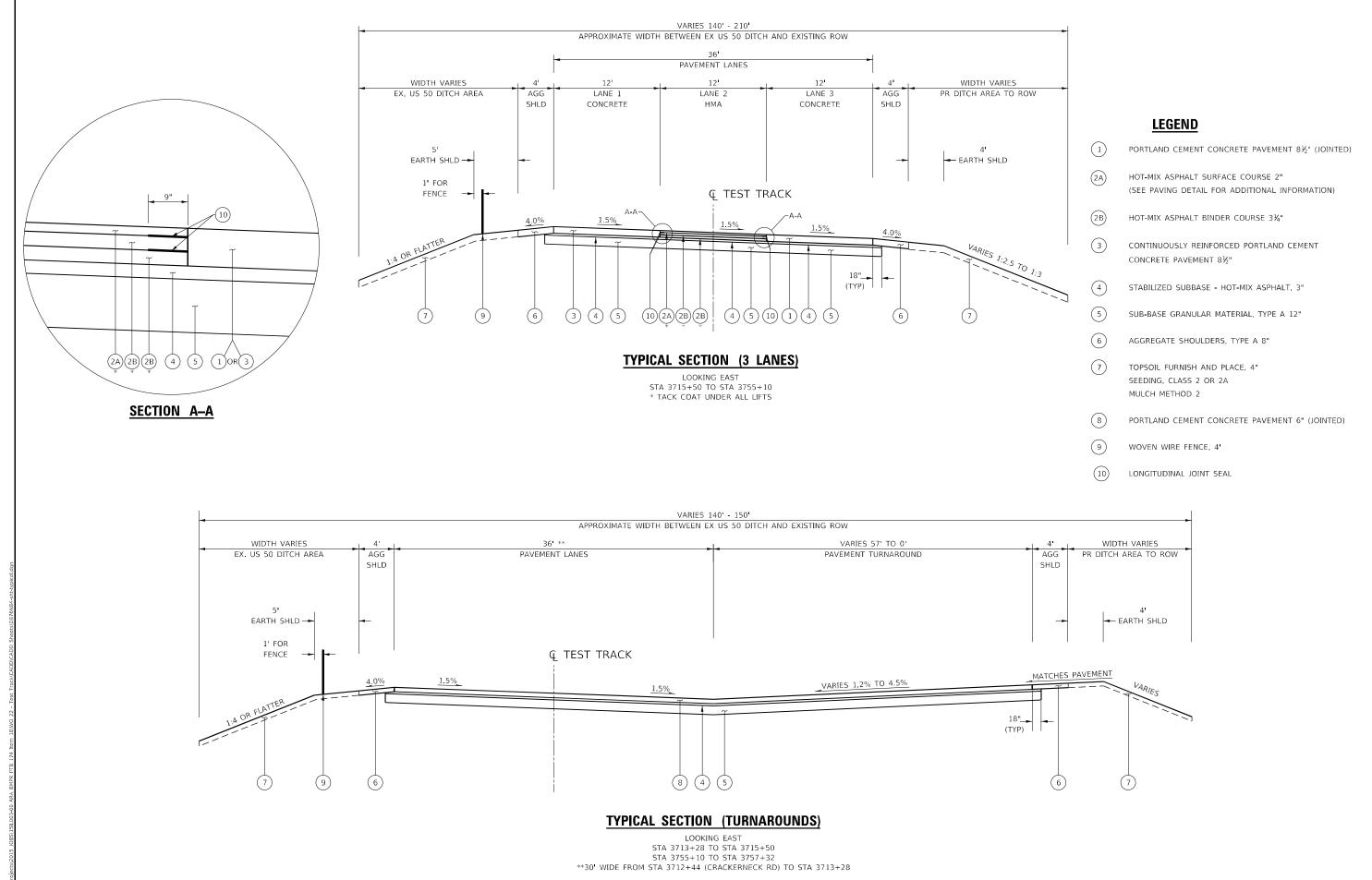
			000/ 555	CONSTRUCTIO	N TYPE CODE
			80% FED 20% STATE		
				ROADWAY	BOX CULVERT
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0001	0008
				RURAL	RURAL
42100105	CONTINUOUSLY REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT 8 1/2"	SQ YD	5,014	5,014	

USER NAME = smaxwell	DESIGNED	-	SDM	REVISED -
	DRAWN	-	SDM	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED	-	FBN	REVISED -
PLOT DATE = 2/18/2021	DATE	-	02/19/2021	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

									F.A.P RTE.	SECTION	COUNTY	TOTAL	SHEET NO.
			SUI	AMN	RY	OF QUA	ANTITIES		327	14-12-TEST TRACK-1	CLINTON	70	7
Į											CONTRACT	NO. 76	5N84
	SCALE: NONE	SHEET	5	OF	5	SHEETS	STA.	TO STA.		ILLINOIS FED.	AID PROJECT		

REV. - MS



STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

SECTION

14-12-TEST TRACK-1

CLINTON

70

CONTRACT NO. 76N84

US 50 TEST TRACK

TYPICAL SECTION

SCALE: NONE SHEET 1 OF 1 SHEETS STA.

MODEL: Default

QUIGG ENGINEERING INC

PLOT DATE = 2/18/2021

DESIGNED

RG

DRAWN

REVISED

REVISED

REVISED

TREE R	EMOVAL S	CHEDULE						
LOCA-	TION	TREE REMOVAL (6 TO 15 UNITS DIAMETER)						
STATION	OFFSET	UNIT						
3741+97.55	228.43 LT	8						
3742+05.13	215.01 LT	6						
3742+07.03	214.85 LT	6						
3742+13.09	231.44 LT	6						
3742+13.76	229.26 LT	8						
3742+14.28	224.96 LT	9						
3742+15.28	237.73 LT	6						
3742+18.05	238.90 LT	6						
TOT	TOTAL							
US	55							

	EARTI	HWORK SCHEDULI	Ξ	
LOCATION	EARTH EXCAVATION	EARTH EXCAVATION ADJUSTED FOR	EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR
STATION TO STATION	CU YD	CU YD	CU YD	CU YD
3712+25 TO 3715+00	1,038.9	779.2	326.8	+452.4
3715+00 TO 3720+00	1,255.6	941.7	2,268.4	-1,326.7
3720+00 TO 3725+00	3,830.6	2,873.0	1,687.1	+1,185.9
3725+00 TO 3730+00	4,945.2	3,708.9	0.0	+3,708.9
3730+00 TO 3735+00	3,374.1	2,530.6	177.8	+2,352.8
3735+00 TO 3740+00	3,732.3	2,799.2	10,674.1	-7,874.9
3740+00 TO 3745+00	4,465.7	3,349.3	9,881.6	-6,532.3
3745+00 TO 3750+00	18,751.8	14,063.9	0.0	+14,063.9
3750+00 TO 3755+00	11,287.1	8,465.3	0.0	+8,465.3
3755+00 TO 3758+53	6,207.4	4,655.6	3.8	+4,651.8
TOTAL	58,888.7	44,166.6	25,019.6	+19,147.0
USE	58,890	44,170	25,020	+19,150

		LANDSCAP	ING AND FR	OSTON CONT	ROL SEEDIN	G SCHEDIII E			
LOCATION		TOPSOIL FURNISH AND PLACE, 4"	SEEDING, CLASS 2	SEEDING, CLASS 2A	NITROGEN FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	MULCH, METHOD	TEMPORARY EROSION CONTROL SEEDING
STATION TO STATION	OFFSET	SQ YD	ACRE	ACRE	POUND	POUND	POUND	ACRE	POUND
3712+25.1 TO 3757+74.6	LT	15,760.1	-	3.25	293	293	293	3.25	325
3712+26.0 TO 3757+72.9	RT	22,685.8	4.69	-	422	422	422	4.69	469
TOTAL		38,445.9	4.69	3.25	715	715	715	7.94	794
APPLICATIONS		-	1	1	1	1	1	1	3
USE		38,446	4.75	3.25	715	715	715	8.00	2,382

LOCATION QUANTITY LENGTH TEMPORARY DITCH CHECK STATION TO STATION OFFSET EACH FOOT FOOT 3712+64.4 TO 3714+26.8 LT 2 15 30 3714+26.8 TO 3724+50.0 LT 11 21 231 3724+50.0 TO 3735+24.4 LT 11 15 165 3735+24.4 TO 3739+50.0 LT 5 13 65 3739+50.0 TO 3754+50.0 LT 15 15 225 3754+50.0 TO 3758+01.8 LT 4 19 76 3712+41.3 TO 3720+57.2 RT 10 12 120 3720+57.2 TO 3724+50.0 RT 4 12 48 3724+50.0 TO 3739+40.4 RT 36 12 432 3739+84.9 TO 3748+59.9 RT 23 12 276 3748+59.9 TO 3754+50.0 RT 6 13 78
3712+64.4 TO 3714+26.8 LT 2 15 30 3714+26.8 TO 3724+50.0 LT 11 21 231 3724+50.0 TO 3735+24.4 LT 11 15 165 3735+24.4 TO 3739+50.0 LT 5 13 65 3739+50.0 TO 3754+50.0 LT 15 15 225 3754+50.0 TO 3758+01.8 LT 4 19 76 3712+41.3 TO 3720+57.2 RT 10 12 120 3720+57.2 TO 3724+50.0 RT 4 12 48 3724+50.0 TO 3739+40.4 RT 36 12 432 3739+84.9 TO 3748+59.9 RT 23 12 276
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3735+24.4 TO 3739+50.0 LT 5 13 65 3739+50.0 TO 3754+50.0 LT 15 15 225 3754+50.0 TO 3758+01.8 LT 4 19 76 3712+41.3 TO 3720+57.2 RT 10 12 120 3720+57.2 TO 3724+50.0 RT 4 12 48 3724+50.0 TO 3739+40.4 RT 36 12 432 3739+84.9 TO 3748+59.9 RT 23 12 276
3739+50.0 TO 3754+50.0 LT 15 15 225 3754+50.0 TO 3758+01.8 LT 4 19 76 3712+41.3 TO 3720+57.2 RT 10 12 120 3720+57.2 TO 3724+50.0 RT 4 12 48 3724+50.0 TO 3739+40.4 RT 36 12 432 3739+84.9 TO 3748+59.9 RT 23 12 276
3754+50.0 TO 3758+01.8 LT 4 19 76 3712+41.3 TO 3720+57.2 RT 10 12 120 3720+57.2 TO 3724+50.0 RT 4 12 48 3724+50.0 TO 3739+40.4 RT 36 12 432 3739+84.9 TO 3748+59.9 RT 23 12 276
3712+41.3 TO 3720+57.2 RT 10 12 120 3720+57.2 TO 3724+50.0 RT 4 12 48 3724+50.0 TO 3739+40.4 RT 36 12 432 3739+84.9 TO 3748+59.9 RT 23 12 276
3720+57.2 TO 3724+50.0 RT 4 12 48 3724+50.0 TO 3739+40.4 RT 36 12 432 3739+84.9 TO 3748+59.9 RT 23 12 276
3720+57.2 TO 3724+50.0 RT 4 12 48 3724+50.0 TO 3739+40.4 RT 36 12 432 3739+84.9 TO 3748+59.9 RT 23 12 276
3724+50.0 TO 3739+40.4 RT 36 12 432 3739+84.9 TO 3748+59.9 RT 23 12 276
3739+84.9 TO 3748+59.9 RT 23 12 276
3748+59.9 TO 3754+50.0 RT 6 13 78
3754+50.0 TO 3757+63.6 RT 4 15 60
TOTAL 1,806
USE 1,806

PEF	ULE				
	PERIMETER EROSION BARRIER				
STATION	OFFSET	ТО	STATION	OFFSET	FOOT
3712+32.64	34.70 RT	-	3712+44.85	29.94 RT	13.11
3712+44.85	29.94 RT	-	3712+59.86	33.60 RT	15.45
3712+59.86	33.60 RT	-	3712+74.86	37.25 RT	15.44
3712+74.86	37.25 RT	-	3713+01.82	39.92 RT	27.09
3713+01.82	39.92 RT	-	3713+10.94	92.97 RT	53.83
3713+10.94	92.97 RT	-	3713+28.13	100.58 RT	18.80
3713+28.13	100.58 RT	-	3714+21.13	102.08 RT	93.01
3714+21.13	102.08 RT	-	3714+92.17	101.23 RT	71.05
3714+92.17	101.23 RT	-	3715+20.59	89.17 RT	30.87
3715+20.59	89.17 RT	-	3715+50.54	53.46 RT	46.61
3715+50.54	53.46 RT	-	3716+00.58	54.77 RT	50.06
	Т	ОТА	L		435.32
		USE			436

3712+00.23 47 3713+07.84 27 3720+51.31 28	FFSET .61 RT	INLET AND PIPE PROTECTION EACH 1
3712+00.23 47 3713+07.84 27 3720+51.31 28	.61 RT	EACH 1
3713+07.84 27 3720+51.31 28		1
3720+51 31 28	OO DT	
	.90 RT	1
2720.50 20 45	.25 LT	1
3720+50.39 45	.90 RT	1
3735+02.52 44	.20 LT	1
TOTAL	5	
USE	5	

RIPRAP SCHEDULE									
LOCAT	ION	STONE RIPRAP, CLASS A5	FILTER FABRIC						
STATION	OFFSET	SQ YD	SQ YD						
3739+56.70	RT	112.9	148.7						
3742+12.50	LT	82.5	112.2						
TOTA	۸L	195.4	260.9						
USE		196	261						

QUIGG ENGINEERING INC

JSER NAME = smaxwell	DESIGNED	-	JB	REVISED -	
	DRAWN	-	JB	REVISED -	
PLOT SCALE = 100.0000 / in	CHECKED	-	FBN	REVISED -	
PLOT DATE = 3/15/2021	DATE	-	02/19/2021	REVISED -	

								F.A.P RTE	SECT	LION		COUNTY	TOTAL SHEETS	SHEET NO.
SCHEDULES								327	14-12-TES	T TRACK	-1	CLINTON	70	9
												CONTRACT	F NO. 76	5N84
SCALE: NONE	SHEET	1	OF	2	SHEETS	STA.	TO STA.			ILLINOIS	FED. AI	D PROJECT		

	PAVING SCHEDULE										
LOCATION	BITUMINOUS MATERIALS (PRIME COAT)	BITUMINOUS MATERIALS (COVER AND SEAL COATS)	COVER COAT AGGREGATE		MICRO-SURFACING, SINGLE PASS	BITUMINOUS MATERIALS (TACK COAT)	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 12.5, MIX "E", N80	PORTLAND CEMENT CONCRETE PAVEMENT 6" (JOINTED)	
STATION TO STATION	TON	TON	TON	TON	SQ YD	POUND	TON	TON	TON	SQ YD	
PARKING AREA					·						
3710+25.00 TO 3712+06.31	2.52	2.71	16.32	16.32	-	-	-	-	-	-	
WEST TURN AROUND											
3712+23.28 TO 3715+50.00	-	-	-	-	-	-	-	-	-	2420.28	
TEGT. TRACK											
TEST TRACK											
3715+50.00 TO 3723+50.00	-	-	-	-	-	240.00	388.27	-	119.47	-	
3723+50.00 TO 3727+50.00	-	-	-	-	311.11	120.00	194.13	-	59.73	-	
3727+50.00 TO 3735+30.00	-	-	-	-	-	234.00	378.56	-	116.48	-	
3735+30.00 TO 3743+10.00	-	-	-	-	-	234.00	378.56	116.48	-	-	
3743+10.00 TO 3747+10.00	-	-	-	-	533.33	120.00	194.13	59.73	-	-	
3747+10.00 TO 3751+10.00	-	-	-	-	-	120.00	194.13	59.73	-	-	
3751+10.00 TO 3755+10.00	-	-	-	-	-	120.00	194.13	59.73	-	-	
EAST TURN AROUND											
3755+10.00 TO 3757+32.00	-	-	-	-	-	-	-	-	-	1701.65	
	2.52	2 71	10.00	10.00				205 65	205 20		
TOTAL	2.52	2.71	16.32	16.32	844.44	1,188.00	1,921.91	295.67	295.68	4,121.93	
APPLICATIONS	1	2	-	-	-	3	-	-	-	-	
USE	2.6	5.5	17	17	845	3,564.0	1,922	296	296	4,122	

NOTE: SEE PAVING DETAILS SHEET FOR ADDITIONAL INFORMATION.

	PAVING SCHEDULE CONTINUED										
				PAVING S	CHEDULE CO	ONTINUED		1			
nt-schedule 002,dgn	LOCATION	PORTLAND CEMENT CONCRETE PAVEMENT 8 1/2" (JOINTED)	PROTECTIVE COAT	PAVEMENT REINFORCEMENT	BITUMINOUS MATERIALS (FOG SEAL)	BITUMINOUS SURFACE TREATMENT, (PREVENTIVE MAINTENANCE)	DIAMOND GRINDING AND GROOVING (ROADWAY SECTION)	LONGITUDINAL JOINT SEALANT	MATERIAL TRANSFER DEVICE	CONTINUOUSLY REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT 8 1/2"	
184 st	STATION TO STATION	SQ YD	SQ YD	SQ YD	POUND	SQ YD	SQ YD	FOOT	TON	SQ YD	
376	PARKING AREA	·	·	·		·	,				
ts/D8	3710+25.00 TO 3712+06.31	-	-	-	-	-	-	-	-	-	
Shee											
90	WEST TURN AROUND										
)(CA	3712+23.28 TO 3715+50.00	-	-	-	-	-	-	-	-	-	
CAD											
ack/(TEST TRACK										
Ĭ	3715+50.00 TO 3723+50.00	1,066.67	-	933.33	-	-	-	800.0	507.74	933.33	
Tes	3723+50.00 TO 3727+50.00	533.33	573.33	533.33	-	-	573.33	400.0	253.86	533.33	
- 2	3727+50.00 TO 3735+30.00	1,040.00	1040.00	1,040.00	-	-	1,040.00	780.0	495.04	1,040.00	
0 2	3735+30.00 TO 3743+10.00	1,040.00	1040.00	1,040.00	-	-	1,040.00	780.0	495.04	1,040.00	
8/8	3743+10.00 TO 3747+10.00	533.33	-	533.33	-	-	-	400.0	253.86	533.33	
E	3747+10.00 TO 3751+10.00	533.33	-	533.33	240.0	533.33	-	400.0	253.86	533.33	
4 Ite	3751+10.00 TO 3755+10.00	533.33	-	400.00	-	-	-	400.0	253.86	400.00	
3 17											
PTE	EAST TURN AROUND										
MPR	3755+10.00 TO 3757+32.00	-	•	-	-	-	-	-	-	-	
₹A B	·										
0 AF	TOTAL	5,279.99	2,653.33	5,013.32	240.0	533.33	2,653.33	3,960.0	2,513.26	5,013.32	
1L003-00	APPLICATIONS	-						4	-	-	
11.00	USE	5,280	2,654	5,014	240	534	2,654	15,840	2,514	5,014	

NOTE: SEE PAVING DETAILS SHEET FOR ADDITIONAL INFORMATION.

SUBBASE, SUBGRADE, AND SHOULDER SCHEDULE									
LOCATION	SUBBASE GRANULAR MATERIAL, TYPE A 12"	AGGREGATE BASE COURSE, TYPE A 6"	AGGREGATE SHOULDERS, TYPE A 8"	STABILIZED SUBBASE - HOT-MIX ASPHALT, 3"					
STATION TO STATION	SQ YD	SQ YD	SQ YD	SQ YD					
PARKING AREA			·	·					
3710+25.00 TO 3712+06.31	-	1305.82	-	-					
WEST TURN AROUND									
WEST TURN AROUND	2 5 4 7 5 2		240 24	2 5 4 7 5 2					
3712+23.28 TO 3715+50.00	2,547.53	-	340.34	2,547.53					
TEST TRACK									
3715+50.00 TO 3723+50.00	3,283.34	-	711.20	3,283.34					
3723+50.00 TO 3727+50.00	1,733.33	-	355.56	1,733.33					
3727+50.00 TO 3735+30.00	3,380.00	-	693.33	3,380.00					
3735+30.00 TO 3743+10.00	3,380.00	-	693.33	3,380.00					
3743+10.00 TO 3747+10.00	1,733.33	-	355.56	1,733.33					
3747+10.00 TO 3751+10.00	1,733.33	-	355.56	1,733.33					
3751+10.00 TO 3755+10.00	1,550.00	-	355.56	1,550.00					
EAST TURN AROUND									
3755+10.00 TO 3757+32.00	1,795.81	-	252.00	1,795.81					
TOTAL	21,136.67	1,305,82	4,112,43	21.136.67					
USE	21,130,07	1.306	4.113	21.137					

FENCING SCHEDULE									
	LOG	WOVEN WIRE FENCE, 4'	ACCESS GATE, DOUBLE, 30 FOOT						
STATION	OFFSET	TO	STATION	OFFSET	FOOT	EACH			
3712+84.98	12.00 RT	-	3712+84.98	18.00 LT	-	1			
3712+84.98	18.00 LT	-	3712+84.98	26.00 LT	8.00	-			
3712+84.98	26.00 LT	-	3757+47.16	26.00 LT	4,462.18	-			
3757+47.16	26.00 LT	-	3757+47.16	102.69 RT	128.69	-			
3712+84.98	12.00 RT	-	3712+85.00	103.24 RT	91.24	-			
3712+85.00	103.24 RT	-	3713+21.19	103.00 RT	36.19	-			
3738+03.98	158.49 RT	-	3738+50.52	171.40 RT	48.30	-			
3749+94.62	102.52 RT	-	3750+61.69	102.34 RT	67.07	-			
3756+65.27	102.81 RT	-	3756+84.78	102.55 RT	19.51	-			
3756+84.78	102.55 RT	-	3757+04.29	102.29 RT	19.51	-			
3757+04.29	102.29 RT	-	3757+12.91	102.28 RT	8.62	-			
3757+12.91	102.28 RT	-	3757+60.78	102.92 RT	47.87	-			
	Т	ОТА	.L		4,937.18	1			
		USE			4,938	1			

WIDE FLANGE	BEAM SCHEDULE				
LOCATION	WIDE FLANGE BEAM TERMINAL JOINT COMPLETE (SPECIAL)				
STATION	EACH				
3715+50.00	1				
3735+30.00	1				
TOTAL	2				
USE	2				

QUIGG ENGINEERING I

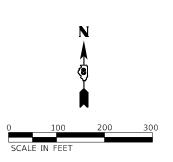
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	DRAWN -	JB	REVISED -
PLOT SCALE = 100.0000 / in.	CHECKED -	FBN	REVISED -
PLOT DATE = 2/18/2021	DATE -	02/19/2021	REVISED -

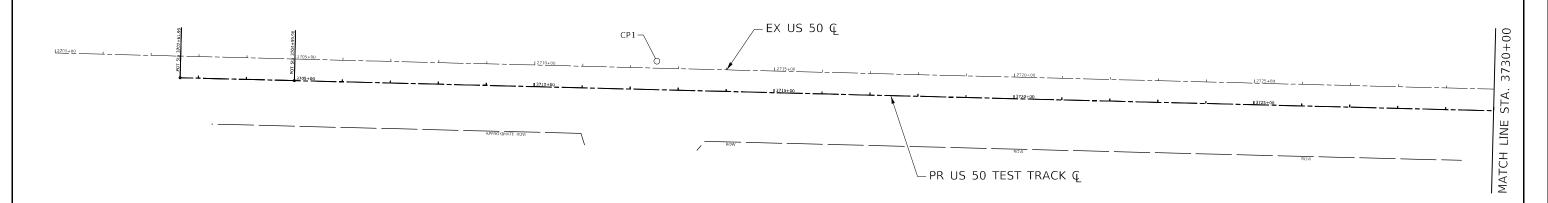
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

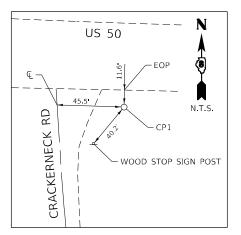
								F.A.P RTE	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.
SCHEDULES							327 14-12-TEST TRACK-1		CLINTON	70	10		
											CONTRACT	NO. 76	5N84
LE: NONE	SHEET	2	OF	2	SHEETS	STA.	TO STA.		ILLINOIS	FED. AI	D PROJECT		

ALIGNMENT COORDINATES - EX US 50								
POINT / DESCRIPTION	NORTHING	EASTING						
POT STA 2700+00.00	151677.7454	20095.1654						
POT STA 2776+00.00	151486,5883	27692,7612						

ALIGNMENT COORDINATES - US 50 TEST TRACK								
POINT / DESCRIPTION	NORTHING	EASTING						
POT STA 3702+61.95	151626.1765	20355.6834						
POT STA 3704+99.98	151620.1890	20593.6572						
POT STA 3766+75.12	151464.8707	26766.8282						







CONTROL POINT #CP1

IRON PIN WITH PLASTIC CAP

STA 3712+54.33, 59.57' LT N 151660.7643 E 21349.2275 ELEV. 479.89

BENCHMARK C-9

ELEV. 471.07

CHISELED "_" ON TOP OF WEST SIDE OF HEADWALL FOR THE NORTH END OF A 60" CONCRETE CULVERT, NORTH OF US 50, 0.5 MILES WEST OF CRACKERNECK RD

BENCHMARK C-R14

ELEV. 459.24

CUT "_" ON SOUTHEAST CORNER OF THE EAST END OF BRIDGE APPROACH WALL ON THE STRUCTURE SOUTH OF SN 014-009, US 50 OVER SILVER CREEK, 1.1 MILES EAST OF CRACKERNECK RD

BENCHMARK C-11

ELEV. 480.37

RAILROAD SPIKE IN SOUTH FACE OF LIGHT POLE, NORTHWEST QUAD OF US 50 AND CRACKERNECK RD

BENCHMARK C-15

ELEV. 466.20

RAILROAD SPIKE IN SOUTH FACE OF POWER POLE WITH TRANSFORMER AT THE END OF RANZ RD, EAST OF RANZ RD, NORTH SIDE OF US 50, 0,5 MILES WEST OF RUSSLAND RD

BENCHMARK C-12

ELEV. 471.53

CHISELED "

"ON CENTER OF
NORTH END OF FLARED END OF 36"
CONCRETE CULVERT, NORTH OF US
50, 0.1 MILES EAST OF
CRACKERNECK RD

BENCHMARK TBM-3

ELEV. 464.15

RAILROAD SPIKE IN SOUTH FACE OF LIGHT POLE, IN NORTHWEST QUAD OF US 50 AND RUSSLAND RD, NORTH SIDE OF US 50

BENCHMARK C-13

ELEV. 449.18

CHISELED "□" ON CENTER OF HEADWALL FOR NORTH END OF 4'x10' BOX CULVERT, NORTH OF US 50, 0.5 MILES EAST OF CRACKERNECK RD

BENCHMARK C-16

ELEV. 463.98

CHISELED "_" ON NORTH END OF SOUTH SIGN LEG FOUNDATION THAT READS "— AVISTON" NORTH OF US 50, 213' EAST OF RUSSLAND RD

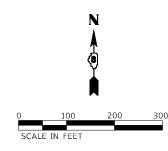
QUIGG ENGINEERIN	NG IN

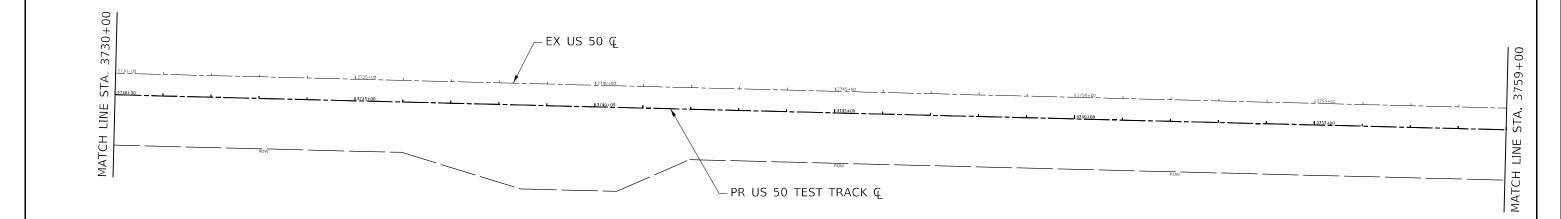
USER NAME = smaxwell	DESIGNED	-	JB	REVISED -	
	DRAWN	-	JB	REVISED -	
PLOT SCALE = 200.0021 / in.	CHECKED	-	FBN	REVISED -	
PLOT DATE = 2/18/2021	DATE	-	02/19/2021	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

	ALIGN	ME	NTS,	BEI	NCHMA	RKS, A	AND TIES		
SCALE: 1" = 100'	SHEET	1	OF	3	SHEETS	STA.	3702+61.95	TO STA.	3730+00.00

F.A.P RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
327	14-12-TEST TRA	CLINTON	70	11
		CONTRACT	NO. 76	5N84
	ILLING	ID PROJECT		





DESIGNED -REVISED DRAWN REVISED PLOT SCALE = 200.0021 / in. REVISED CHECKED -

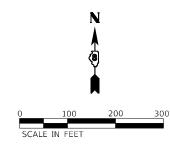
ALIGNMENTS, BENCHMARKS, AND TIES SCALE: 1" = 100 SHEET 2 OF 3 SHEETS STA 3730+00.00 TO STA 3759+00.00

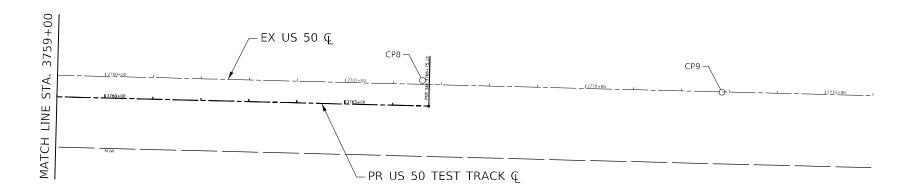
COUNTY SHEETS NO.

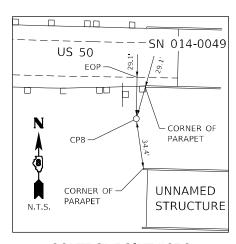
CLINTON 70 12

CONTRACT NO. 76N84 SECTION 327 14-12-TEST TRACK-1

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION



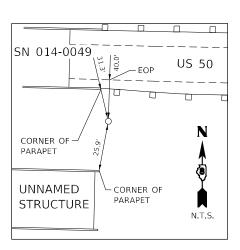




CONTROL POINT #CP8

IRON PIN WITH PLASTIC CAP

STA 3766+60.68, 52.99 LT N 151518.2086 E 27377.7678 ELEV. 459.97



CONTROL POINT #CP9

IRON PIN WITH PLASTIC CAP

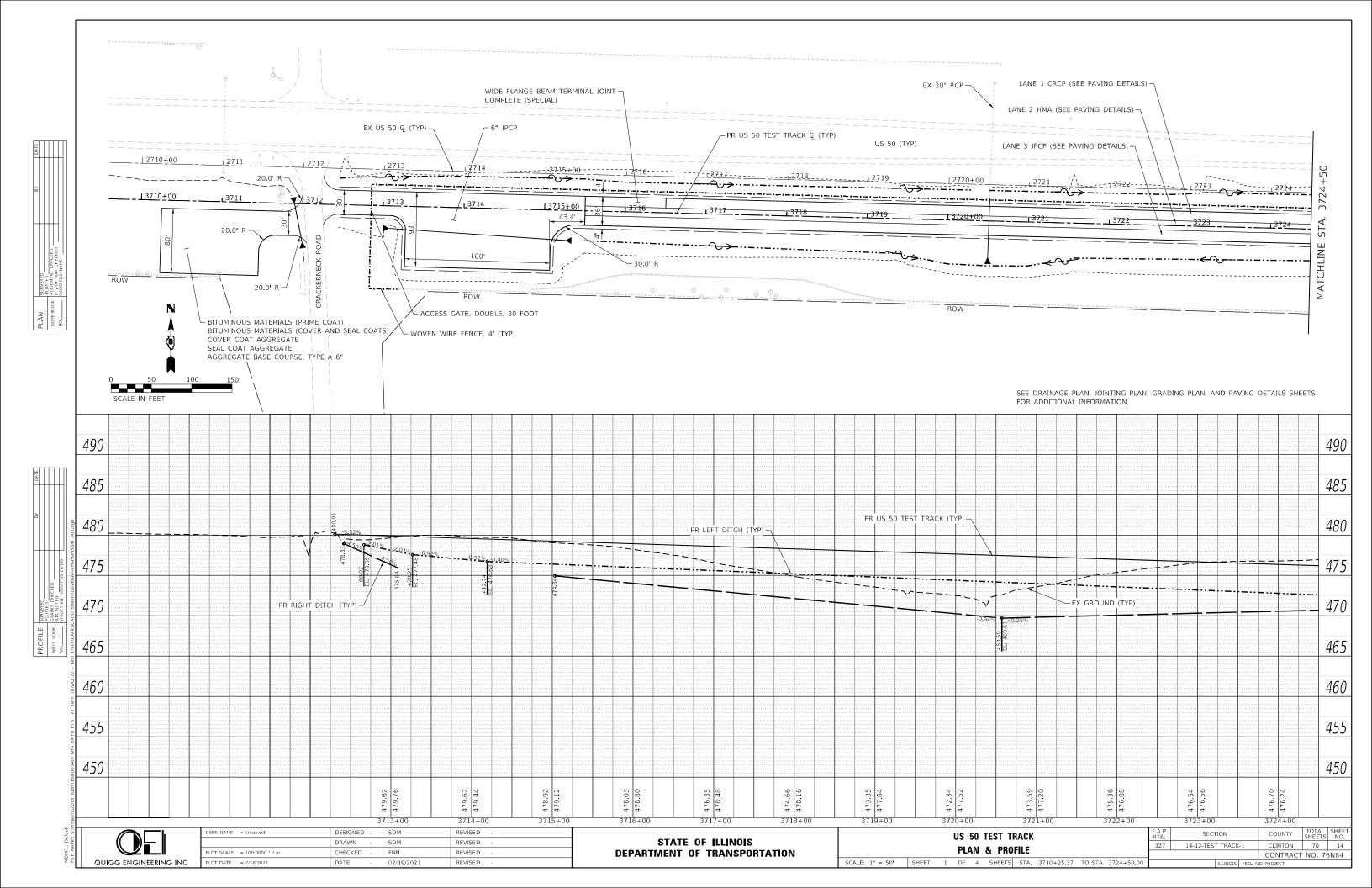
STA 2772+84.93, 0.76' RT N 151493.7562 E 27377.7678 ELEV. 456.40

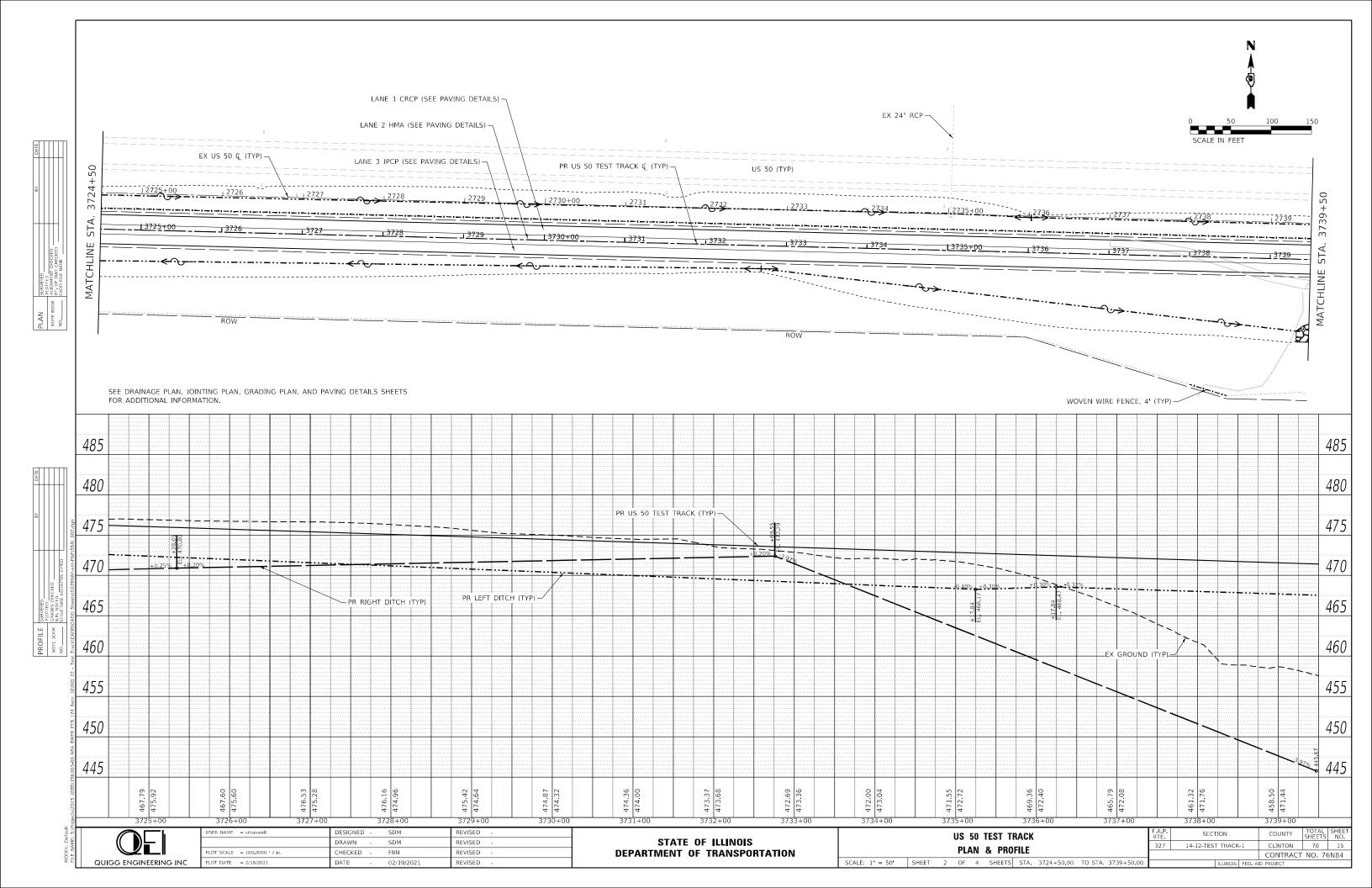
QUIGG ENGINEERIN	NG INC

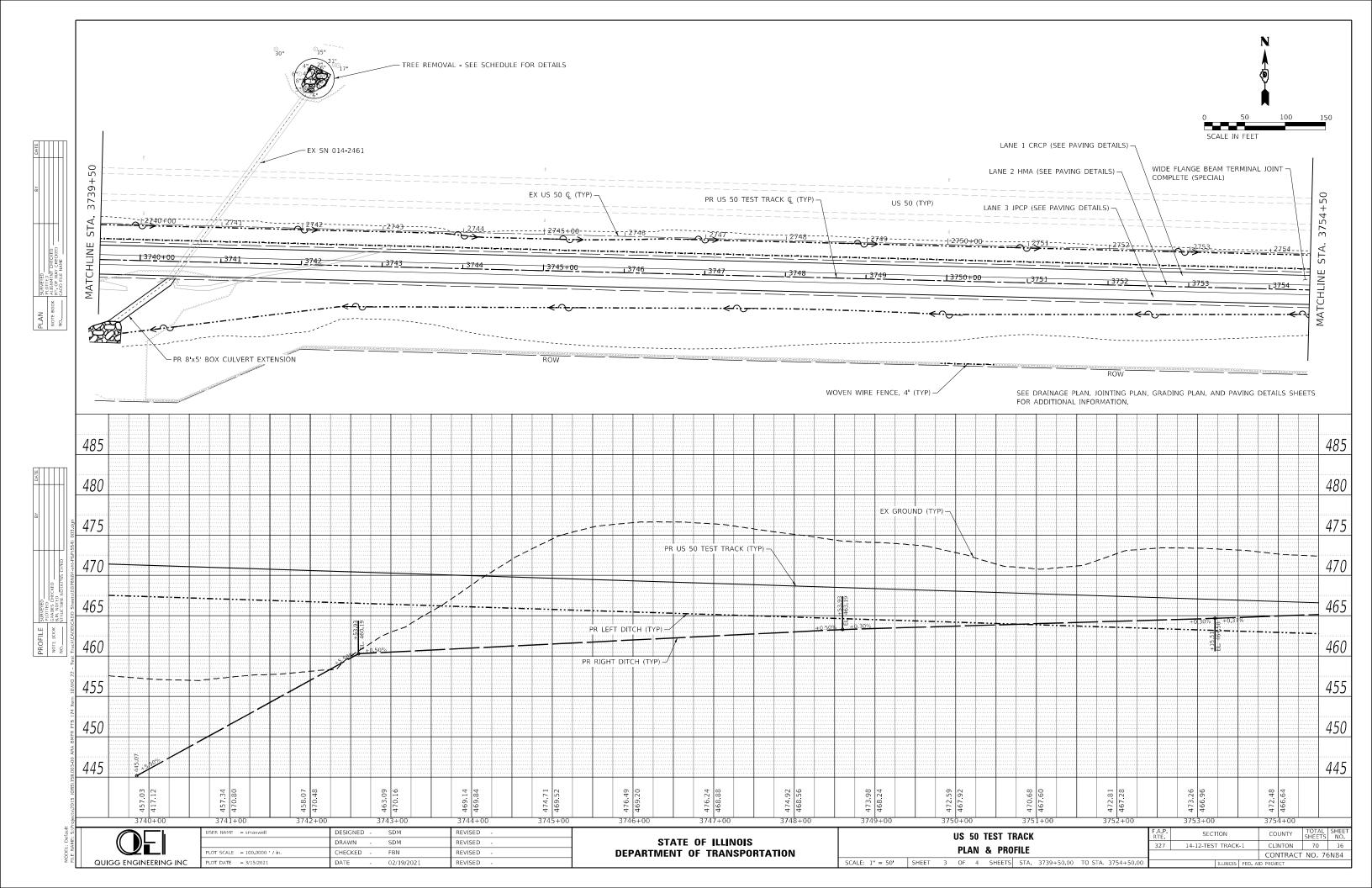
	USER NAME = smaxwell	DESIGNED	-	JB	REVISED	-
		DRAWN	-	JB	REVISED	-
	PLOT SCALE = 200.0021 / in.	CHECKED	-	FBN	REVISED	-
٧C	PLOT DATE = 2/18/2021	DATE	-	02/19/2021	REVISED	-

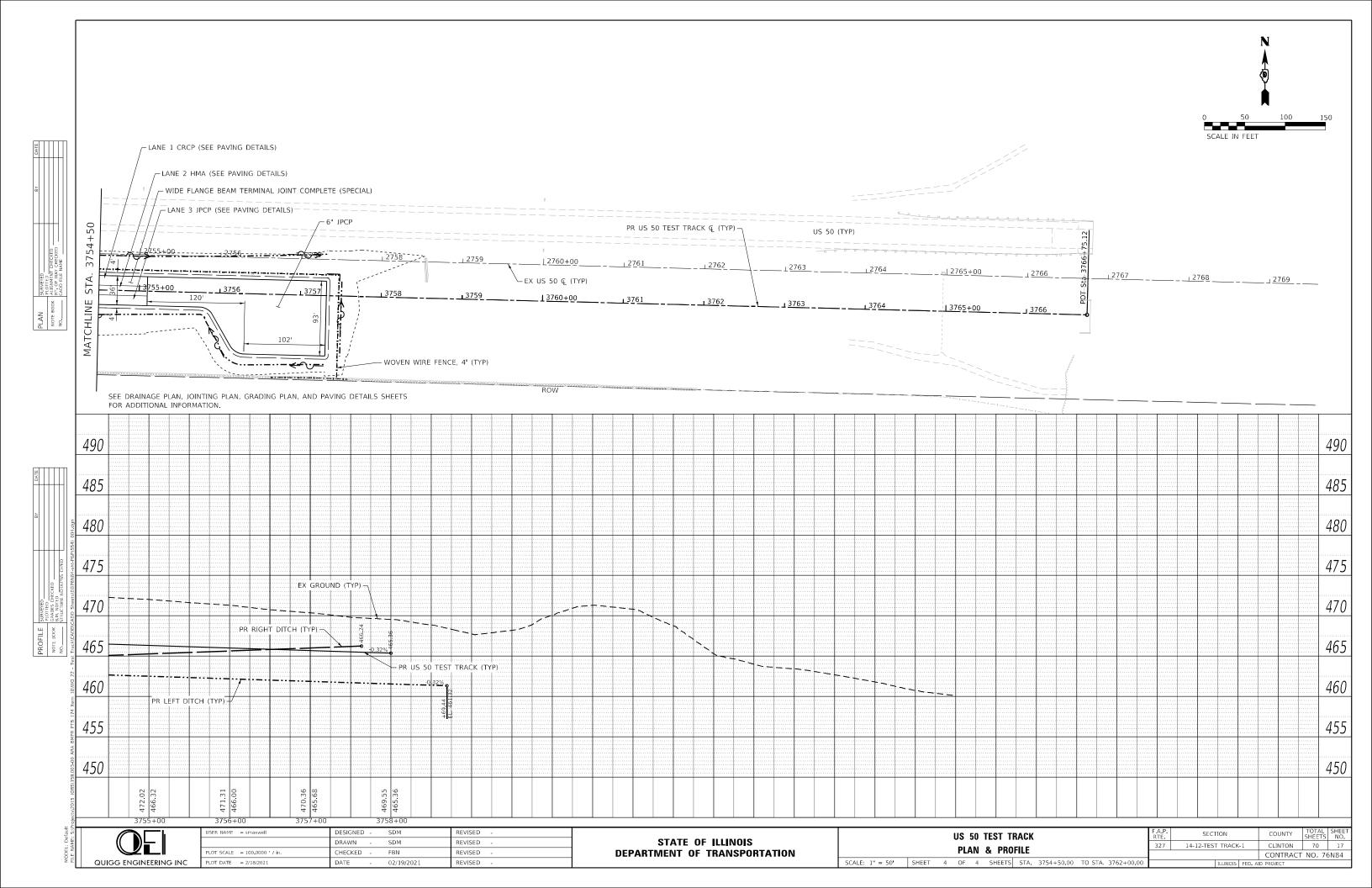
STATE OF	FILLINOIS
DEPARTMENT OF	TRANSPORTATION

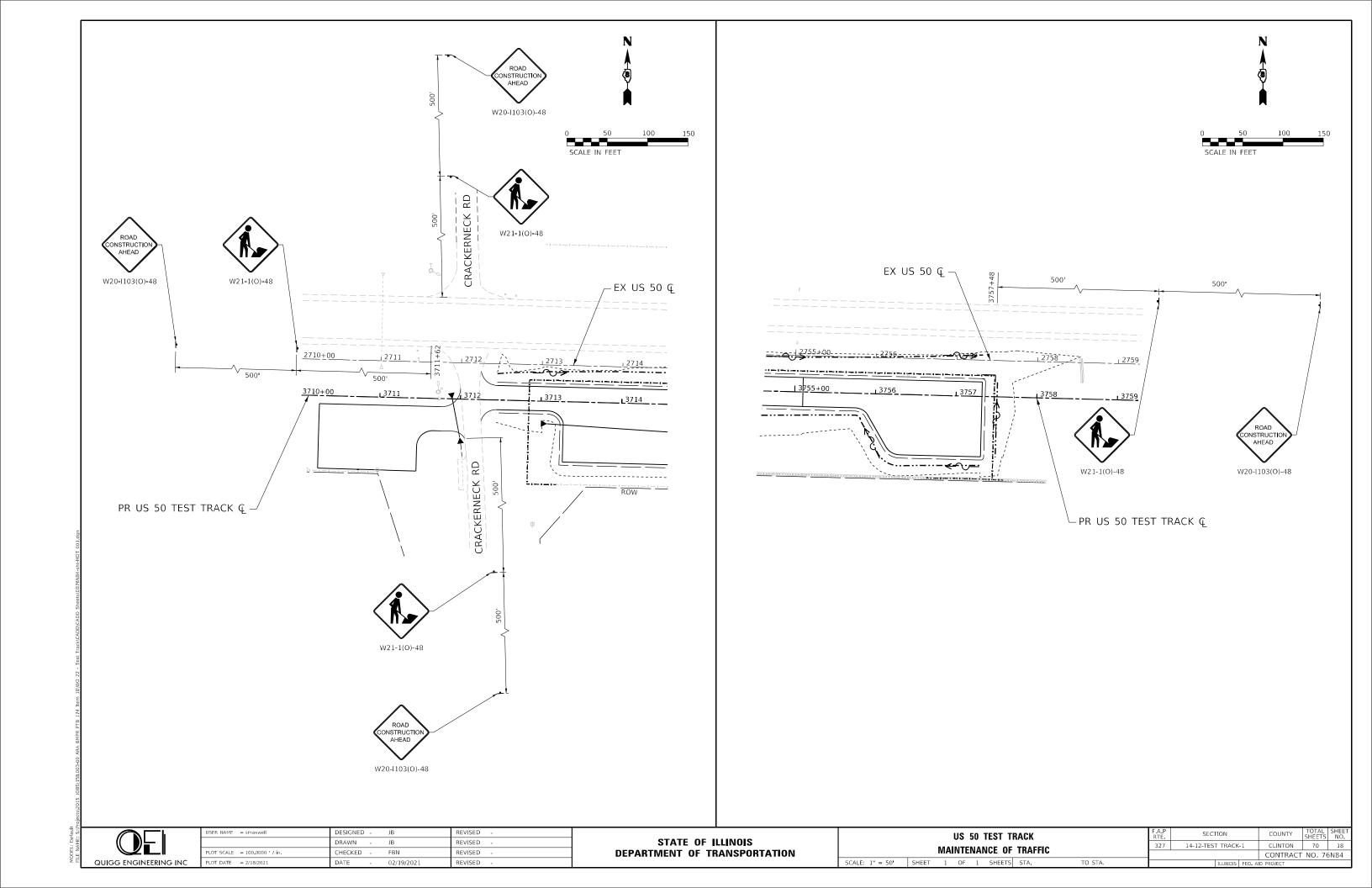
										F.A.P RTE	SEC	TION		COUNTY	TOTAL SHEETS	SHEET NO.
	ALIGN	IME	NTS,	BE	NCHMA	RKS, A	AND TIES			327	14-12-TES	T TRACK	(-1	CLINTON	70	13
														CONTRACT	NO. 7	6N84
SCALE: 1" = 100'	SHEET	3	OF	3	SHEETS	STA.	3759+00.00	TO STA.	3766+75.12			ILLINOIS	FED. A	ID PROJECT		

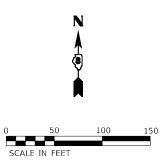


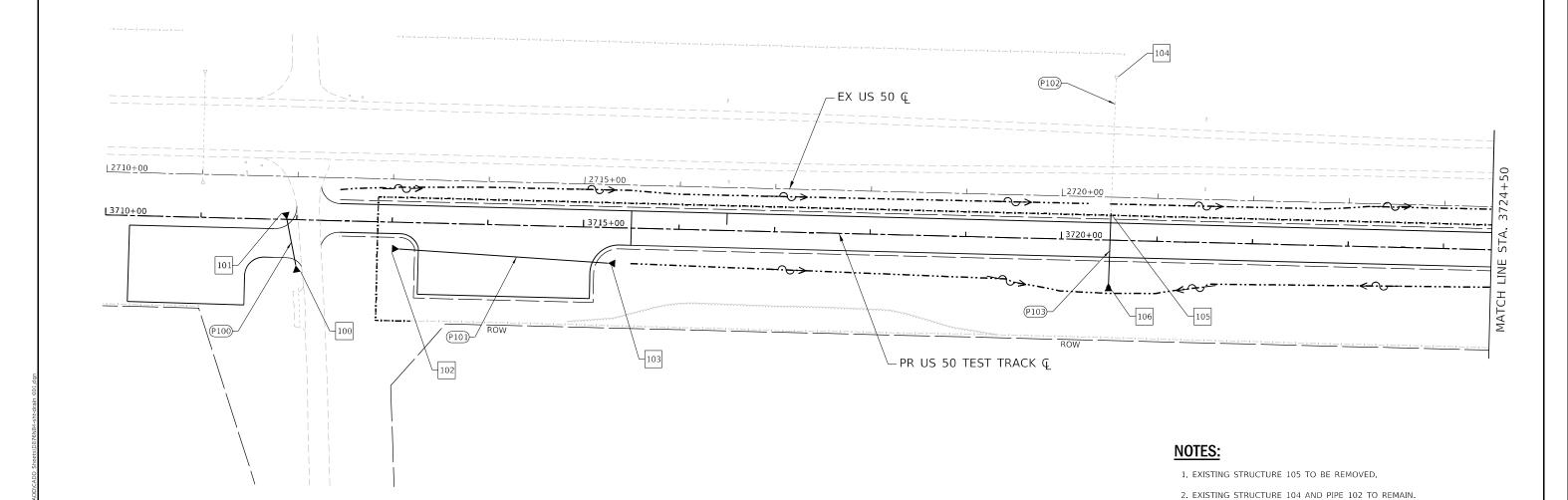












STR #	STATION	OFFSET	INVERT ELEV	STRUCTURE TYPE
100	3712+00.23	47.61' RT	477.64	METAL FL END SEC 24"
101	3711+89.86	0' RT	477.21	METAL FL END SEC 24"
102	3713+07.84	27.9' RT	475.84	METAL FL END SEC 24"
103	3715+26.54	37.30' RT	474.71	METAL FL END SEC 24"
104 (EX)	3720+53.07	168.30' LT	468.73 (EX)	PRC FLAR END SEC 30 (EX)
105 (EX)	3720+51.32	28.25' LT	469.31 (EX)	PRC FLAR END SEC 30 (EX)
106	3720+50.39	45.90' RT	469.61	PRC FLAR END SEC 30

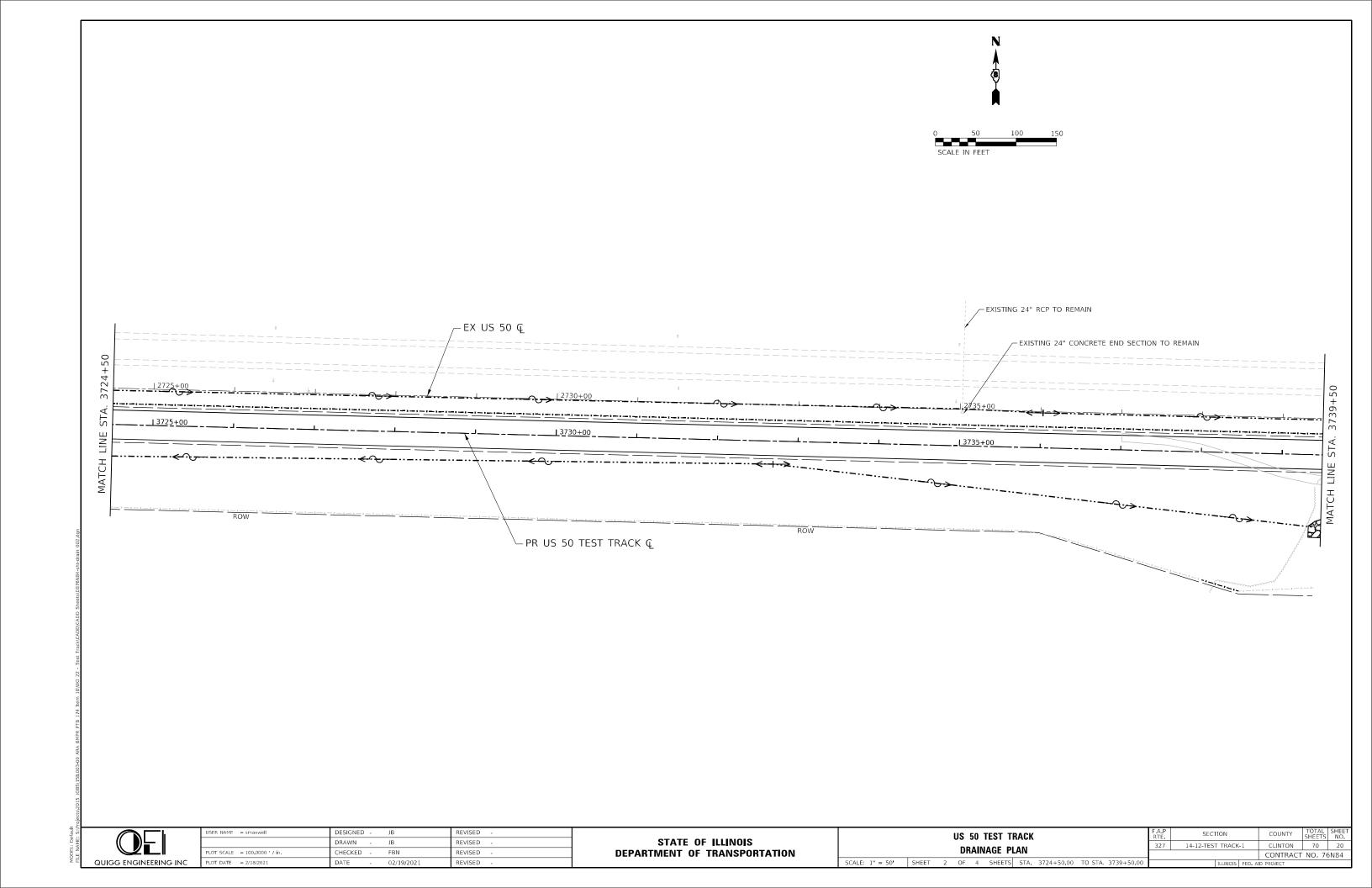
PIPE #	STR	-	STR	LENGTH	TYPE	SLOPE	TBF
P100	100	-	101	49.0	P CUL CL D 1 24	0.88%	5.4
P101	102	-	103	219.0	P CUL CL D 1 24	0.52%	44.5
P102	104	-	105	140.0	P CUL CL A 2 30 (EX)	0.40%	-
P103	105	-	106	75.0	P CUL CL A 2 30	0.40%	33.2
		_					

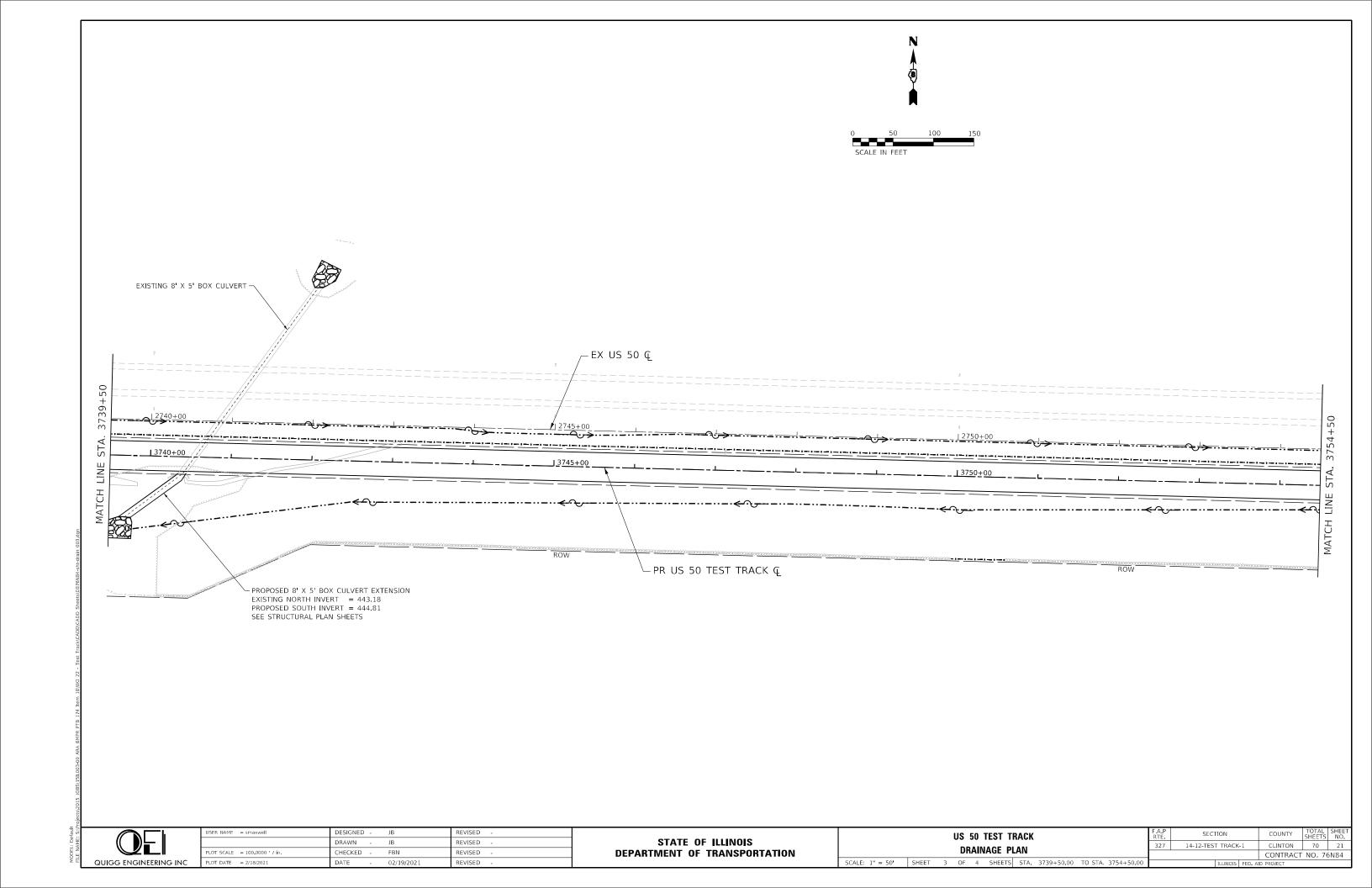
QUIGG ENGINEERING IN	1

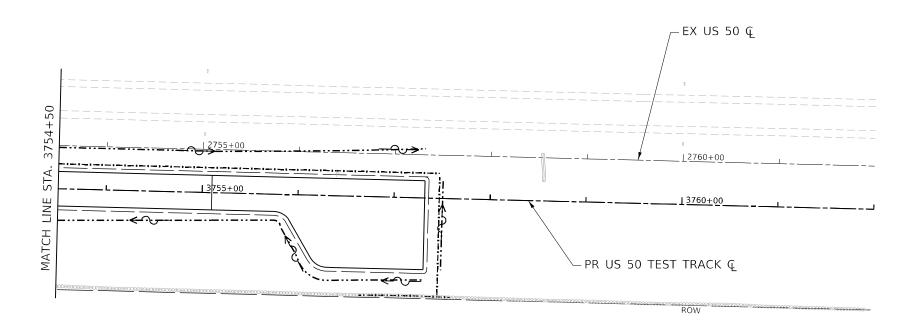
USER NAME = smaxwell	DESIGNED	-	JB	REVISED -
	DRAWN	-	JB	REVISED -
PLOT SCALE = 100.0000 / in.	CHECKED	-	FBN	REVISED -
PLOT DATE = 2/18/2021	DATE	-	02/19/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 50 TEST TRACK											SEC ⁻	COUNTY		
	DRAINAGE PLAN											T TRACK	-1	CLINTON
														CONTRAC
SCALE: 1" = 50'	SHEET	1	OF	4	SHEETS	STA.	3710+25.37	TO STA.	3724+50.00			ILLINOIS	FED. A	ID PROJECT







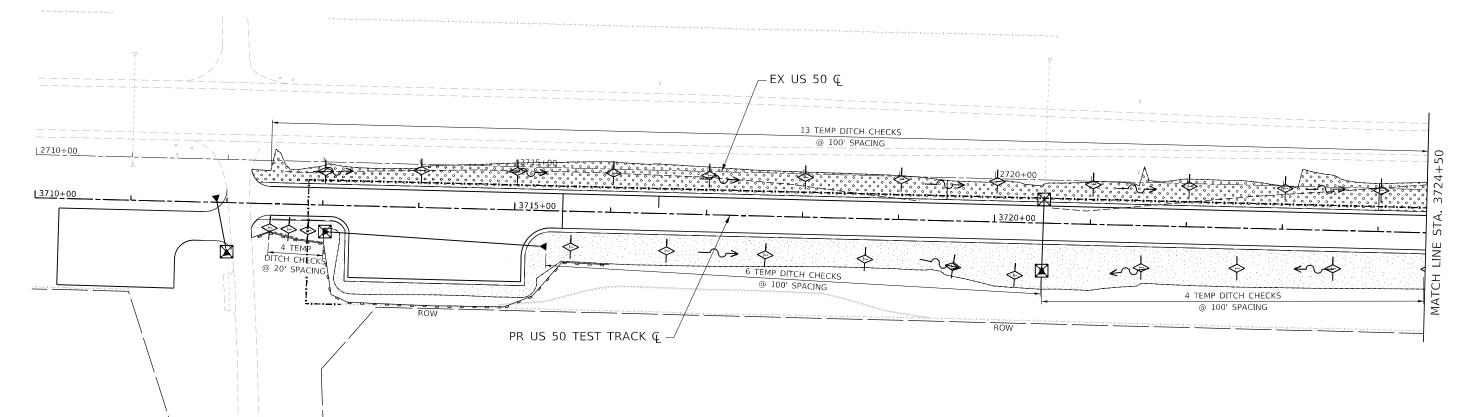
<u>OEI</u>
QUIGG ENGINEERING INC

USER NAME = smaxwell	DESIGNED	-	JB	REVISED -	
	DRAWN	-	JB	REVISED -	
PLOT SCALE = 100.0000 / in.	CHECKED	-	FBN	REVISED -	
PLOT DATE = 2/18/2021	DATE	-	02/19/2021	REVISED -	

US 50 TEST TRACK									F.A.P RTE	SECT		
DDAINAGE DIAN									327	14-12-TEST	Ī	
DRAINAGE PLAN												
SCALE: 1" = 50'	SHEET	4	OF	4	SHEETS	STA.	3754+50.00	TO STA.	3762+00.00			٠

F.A.P RTE	SECTION		COUNTY	TOTAL SHEETS	SHE NC
327	14-12-TEST TRACK	CLINTON	70	22	
		CONTRACT	NO. 76	5N84	
	ILLINOIS	FED. A	ID PROJECT		





SEEDING, CLASS 2 WITH MULCH METHOD 2

SEEDING, CLASS 2A WITH MULCH METHOD 2

TEMPORARY DITCH CHECK

- - - PERIMETER EROSION BARRIER

INLET & PIPE PROTECTION

QUIGG ENGINEERING INC

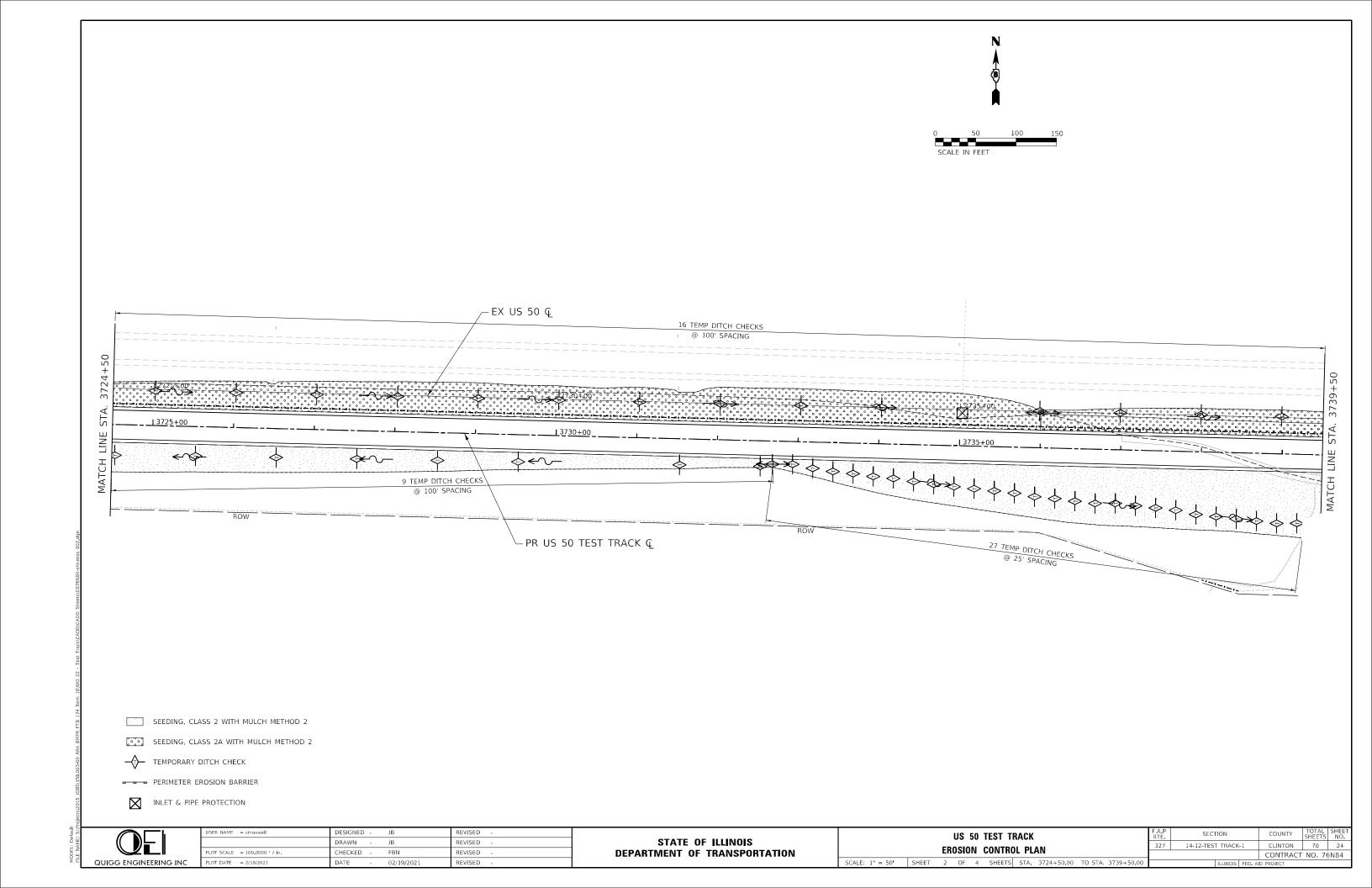
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		DRAWN	-	JB	REVISED -
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:	PLOT DATE = 2/18/2021	DATE	-	02/19/2021	REVISED -

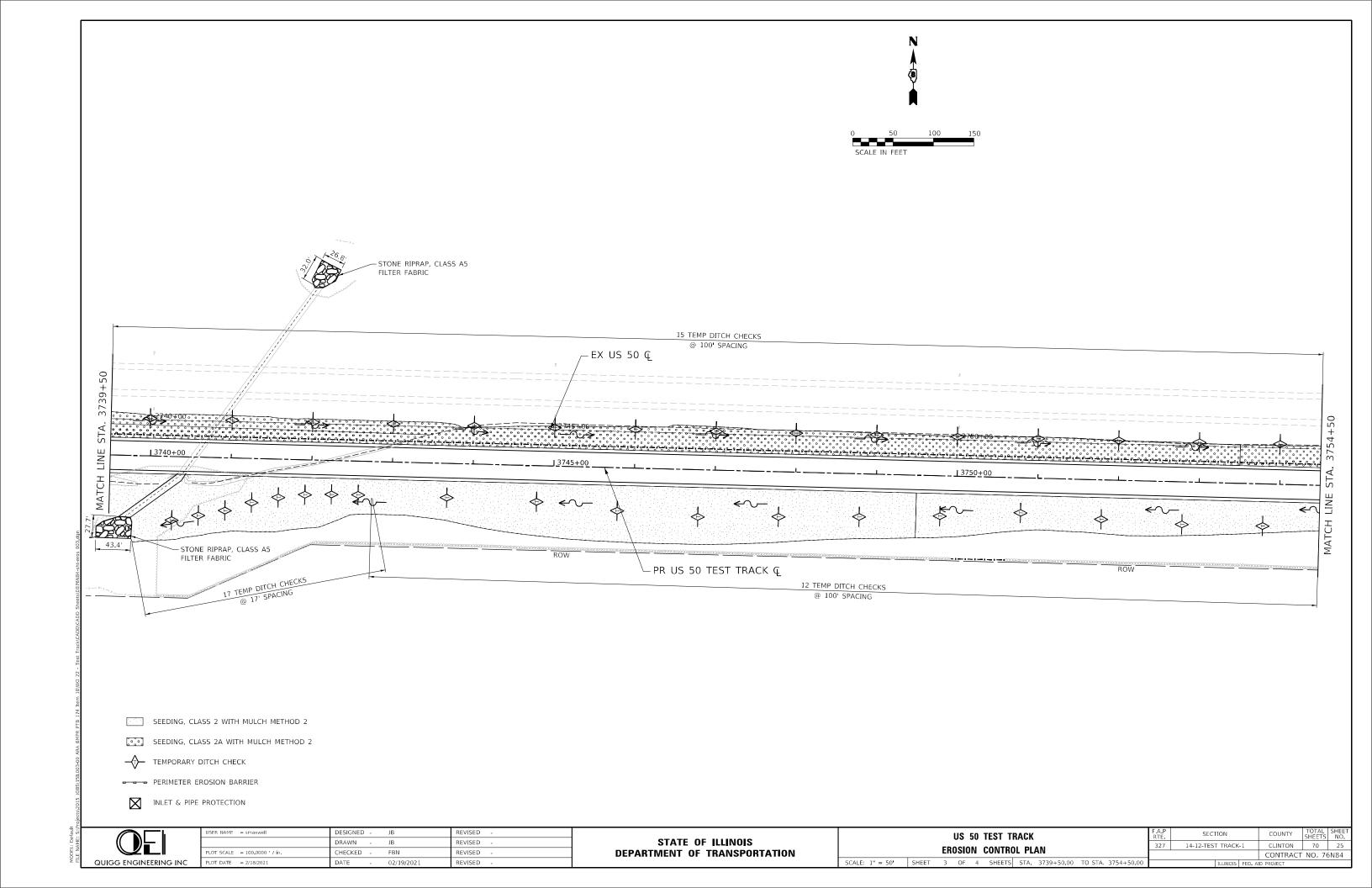
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 50 TEST TRACK EROSION CONTROL PLAN SCALE: 1" = 50' SHEET 1 OF 4 SHEETS STA. 3710+25.37 TO STA. 3724+50.00

SECTION COUNTY SHEETS NO.

CLINTON 70 23 14-12-TEST TRACK-1 CONTRACT NO. 76N84





REVISED DRAWN REVISED LOT SCALE = 100.0000 / in. REVISED PLOT DATE = 2/18/2021

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

US 50 TEST TRACK EROSION CONTROL PLAN SCALE: 1" = 50' SHEET 4 OF 4 SHEETS STA. 3754+50.00 TO STA. 3762+00.00

_EX US 50 Q

SECTION COUNTY SHEETS NO.

CLINTON 70 26 14-12-TEST TRACK-1 CONTRACT NO. 76N84

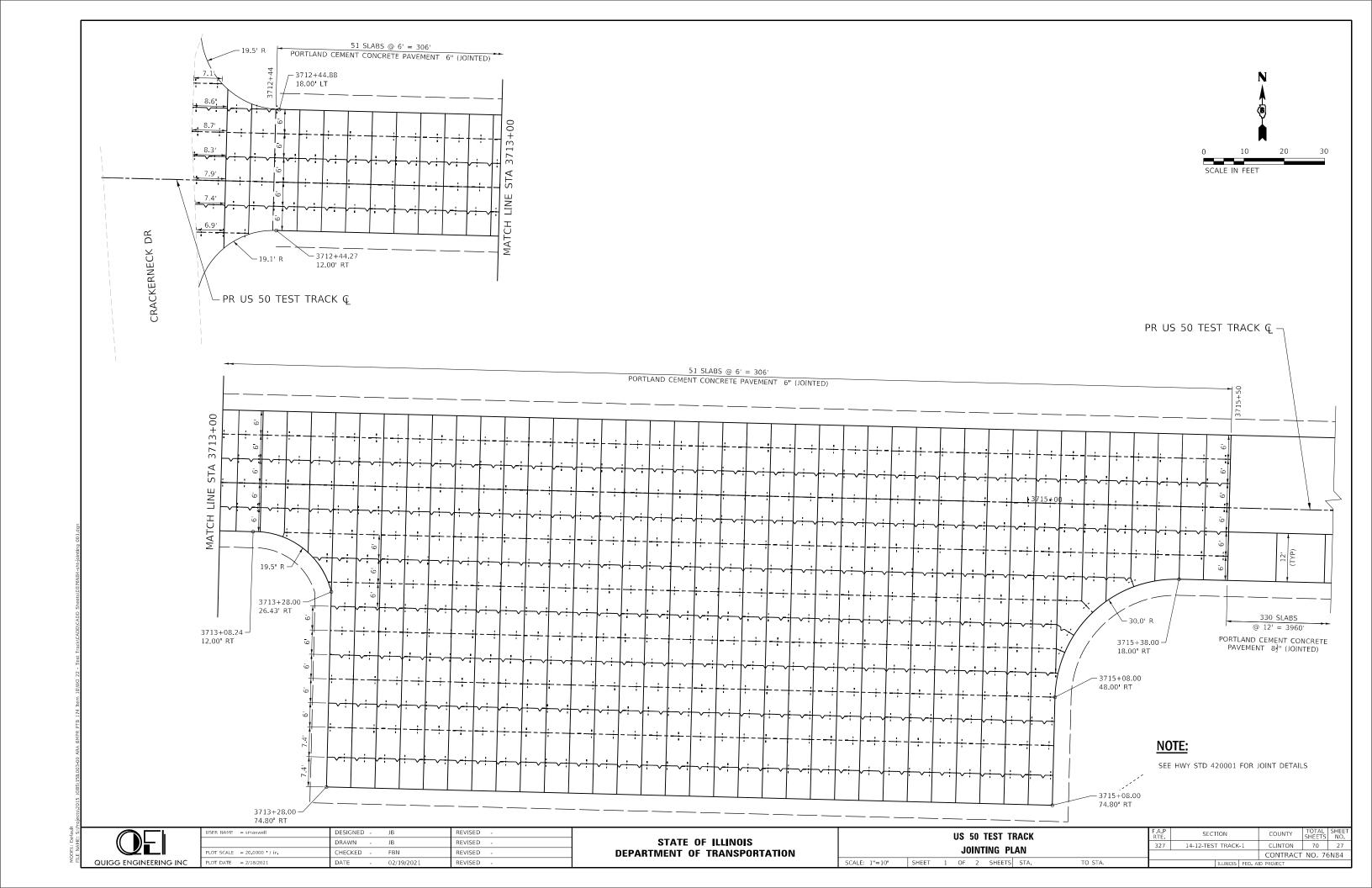
INLET & PIPE PROTECTION

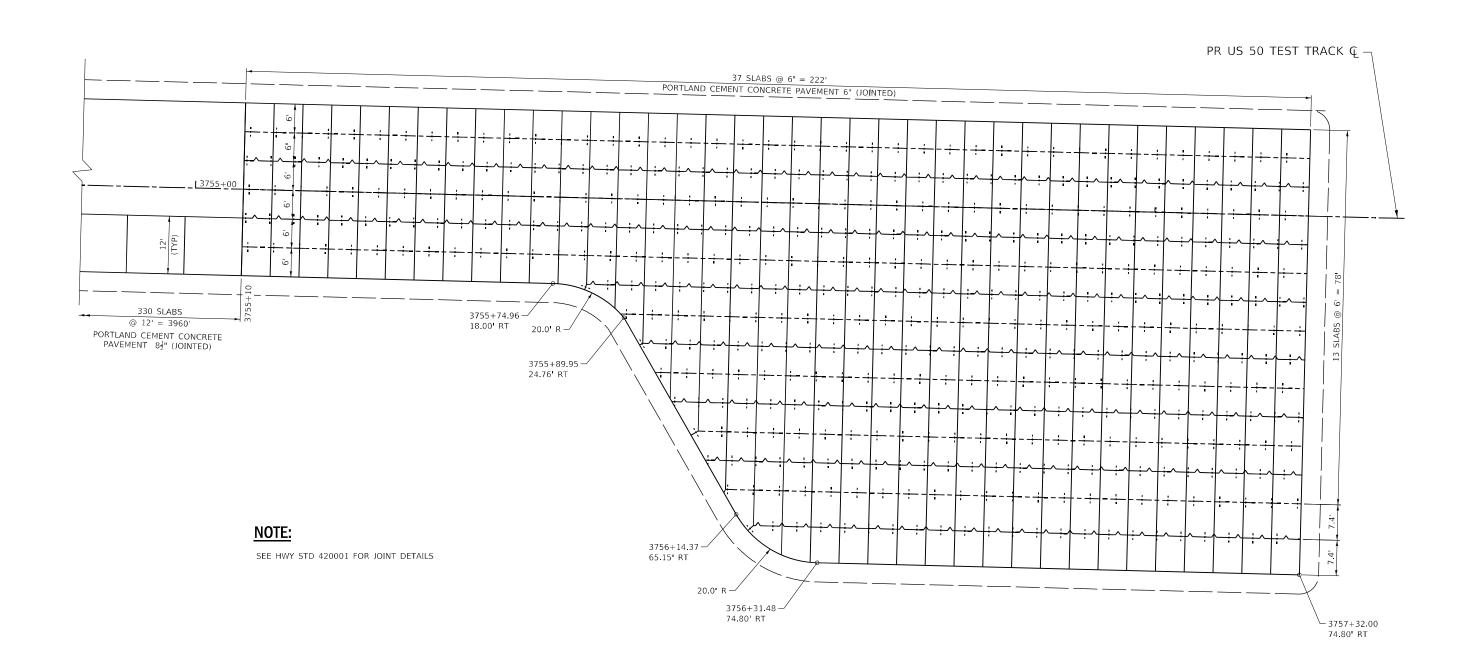
TEMPORARY DITCH CHECK PERIMETER EROSION BARRIER

SEEDING, CLASS 2 WITH MULCH METHOD 2 SEEDING, CLASS 2A WITH MULCH METHOD 2

4 TEMP DITCH CHECKS

@ 100' SPACING 3754+50 ____2760+00_____ <u> 1 3760+00</u> MATCH LINE ∽PR US 50 TEST TRACK ℚ 4 TEMP DITCH CHECKS
@ 100' SPACING



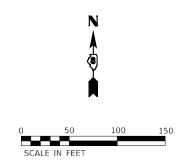


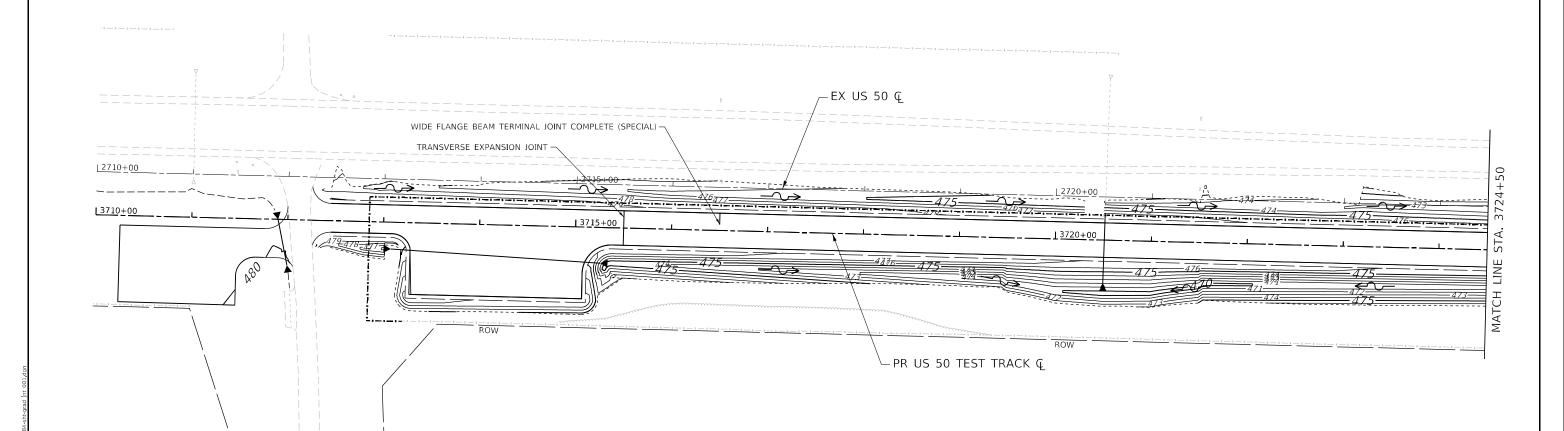
QUIGG ENGINEERING INC	

'lı	USER NAME = smaxwell	DESIGNED	-	JB	REVISED	-
I .		DRAWN	-	JB	REVISED	-
.II	PLOT SCALE = 20.0000 / in.	CHECKED	-	FBN	REVISED	-
NG INC	PLOT DATE = 2/18/2021	DATE	-	02/19/2021	REVISED	-

STATE OF ILLINOIS									
DEPARTMENT	0F	TRANSPORTATION							

ı			US	50	TEST T	F.A.P RTE	SECTION			COUNTY	TOTAL SHEETS	SHEET NO.			
١			10	INI	ING PL	327	327 14-12-TEST TRACK-1			CLINTON	70	28			
l		IING FL					CONTRACT	NO. 76	N84						
	SCALE: 1"=10'	SHEET	2	OF	2	SHEETS	STA.	TO STA.		ILLINOIS FED. AID PROJECT			ID PROJECT		





NOTE:

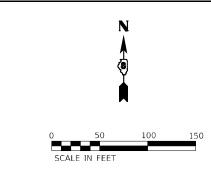
MATCH EXISTING GROUND AT BOUNDARY OF CONTOURS SHOWN
 (EXISTING CONTOURS NOT SHOWN FOR DISPLAY PURPOSES)

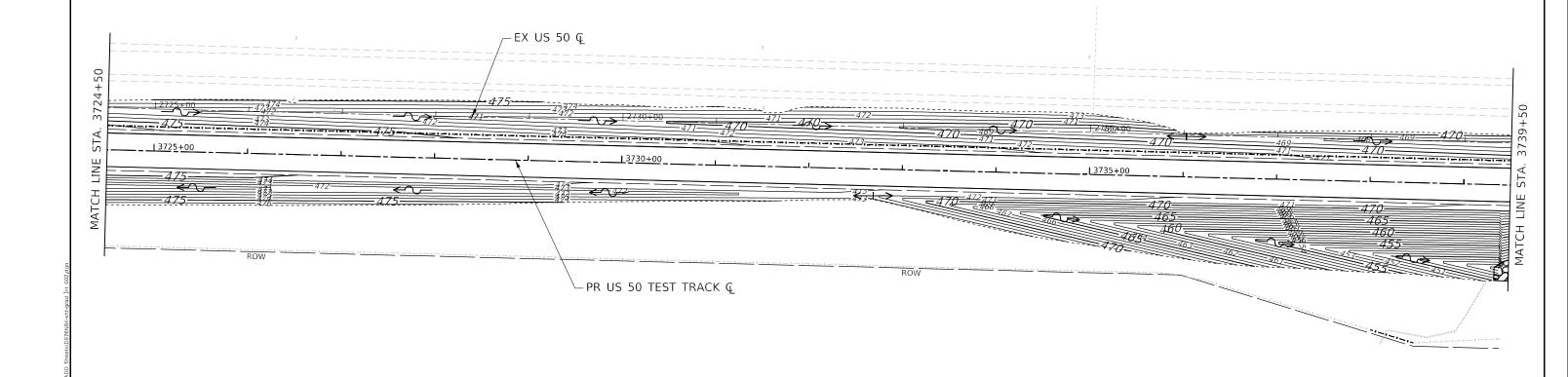
QUIGG ENGINEERING INC

USER NAME = smaxwell	DESIGNED	-	SDM	REVISED -	
	DRAWN	-	SDM	REVISED -	
PLOT SCALE = 100.0000 / in.	CHECKED	-	FBN	REVISED -	
PLOT DATE = 2/18/2021	DATE	-	02/19/2021	REVISED -	

STATI	E 01	F ILLINOIS
DEPARTMENT	OF	TRANSPORTATION

		US	50	F.A.P RTE	SEC ⁻	COUNTY	TOTAL SHEETS									
	GRADING PLAN												327 14-12-TEST TRACK-1			
	CONTRACT NO. 7						5									
SCALE: 1" = 50'	SHEET	1	OF	4	SHEETS	STA.	3710+25.37	TO STA.	3724+50.00	ILLINOIS FED. AID PROJECT					Τ	





NOTE:

MATCH EXISTING GROUND AT BOUNDARY OF CONTOURS SHOWN
 (EXISTING CONTOURS NOT SHOWN FOR DISPLAY PURPOSES)

QUIGG ENGINEERING INC

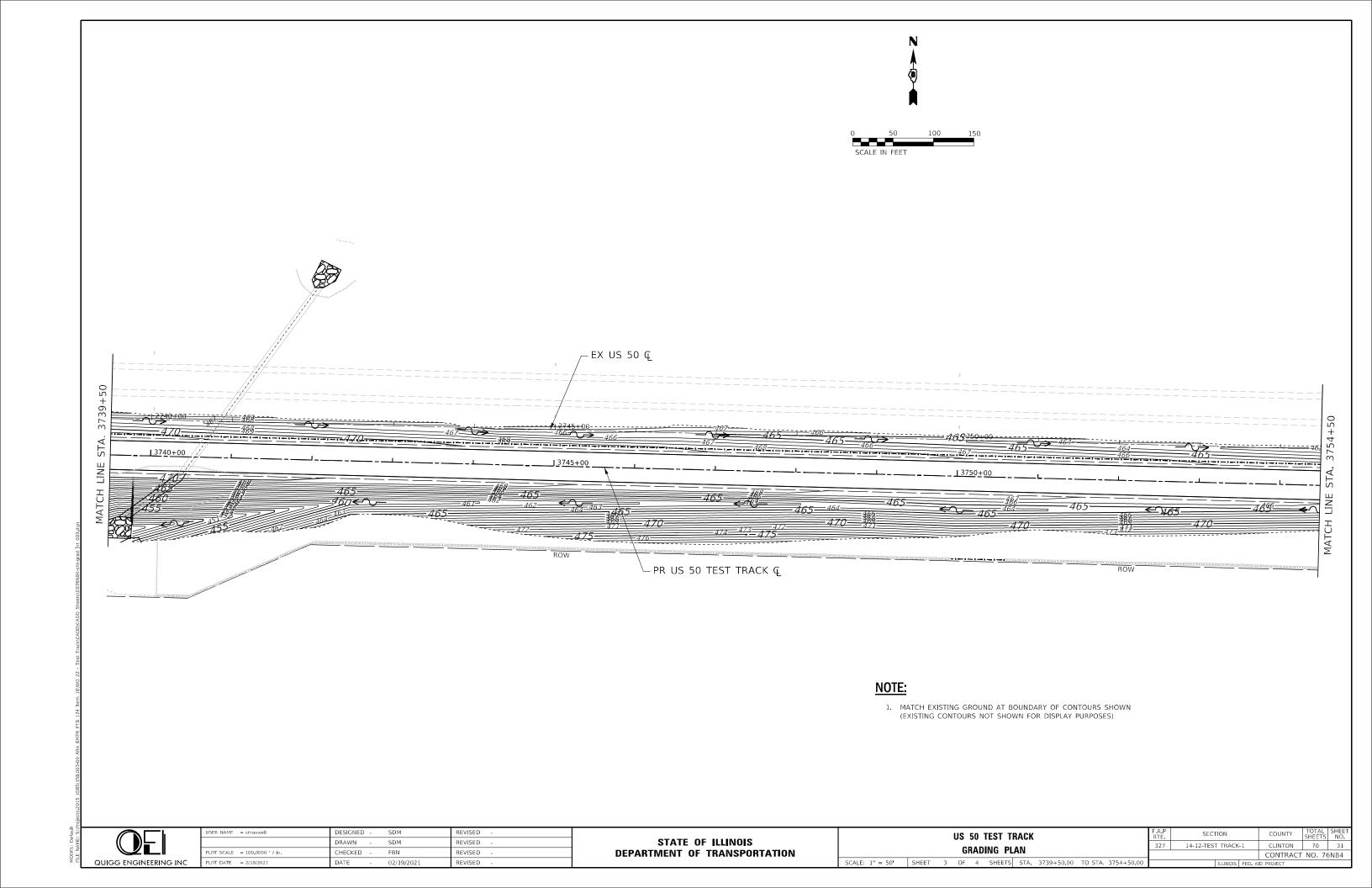
	USER NAME = smaxwell	DESIGNED	-	SDM	REVISED	-	
		DRAWN	-	SDM	REVISED	-	
	PLOT SCALE = 100.0000 / in.	CHECKED	-	FBN	REVISED	-	
1C	PLOT DATE = 2/18/2021	DATE	-	02/19/2021	REVISED	-	

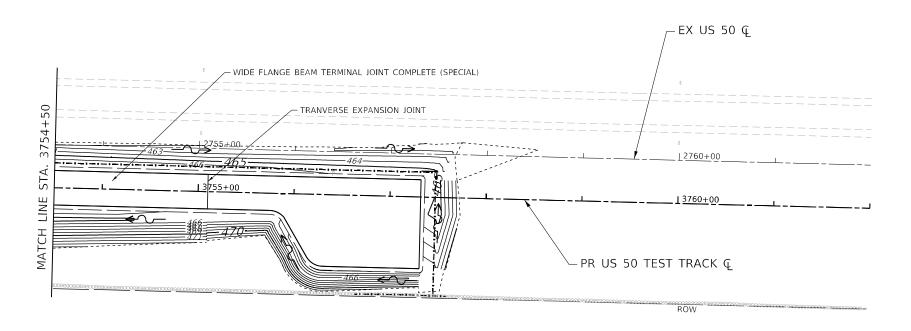
STATE OF ILLINOIS									
DEPARTMENT	OF	TRANSPORTATION							

	F.A.P RTE	SEC ⁻	TION	COUN										
	CDADING DIANI											T TRACK	(-1	CLINT
GRADING PLAN														CONT
SCALE: 1" = 50'	SHEET	2	OF	4	SHEETS	STA.	3724+50.00	TO STA.	3739+50.00			ILLINOIS	FED. A	D PROJECT

UNTY TOTAL SHEET NO.

NTON 70 30





NOTE:

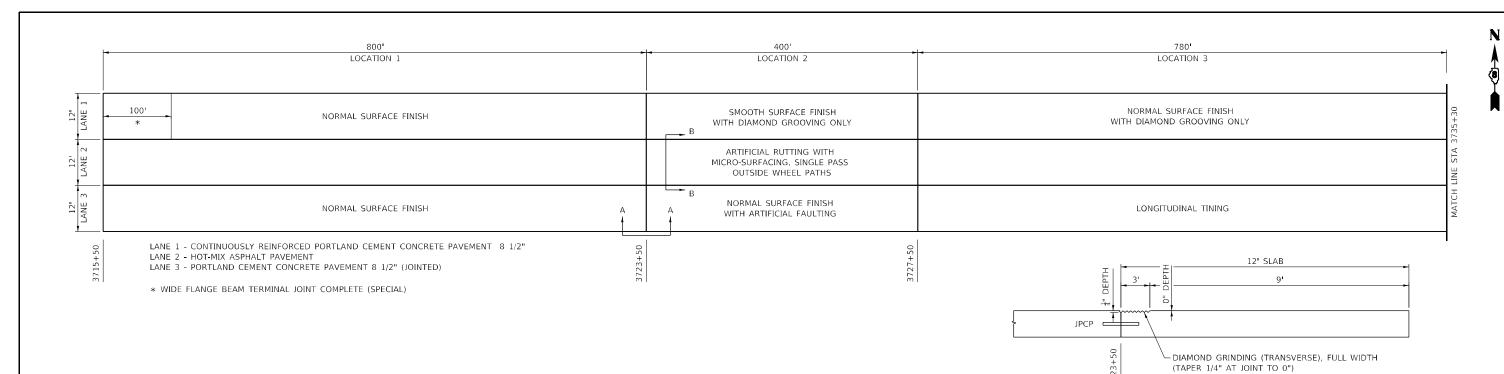
MATCH EXISTING GROUND AT BOUNDARY OF CONTOURS SHOWN
 (EXISTING CONTOURS NOT SHOWN FOR DISPLAY PURPOSES)

QUIGG ENGINEERING IN	C

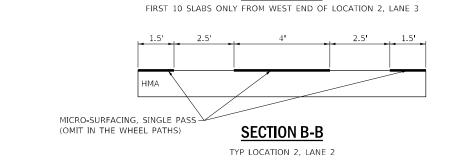
USER NAME = smaxwell	DESIGNED	-	SDM	REVISED	-	
	DRAWN	-	SDM	REVISED	-	
PLOT SCALE = 100.0000 / in.	CHECKED	-	FBN	REVISED	-	
PLOT DATE = 2/18/2021	DATE	-	02/19/2021	REVISED	-	
						_

STATI	E 01	F ILLINOIS
DEPARTMENT	OF	TRANSPORTATION

			US	50]	TEST TI	RACK				F.A.P RTE	SEC.	TION		COUNTY	TOTAL SHEETS	SHEET NO.
			C	ΛD	ING PL	ARI				327	14-12-TES	T TRACK	(-1	CLINTON	70	32
			ur	IAD	ING PL	AIN								CONTRACT	NO. 76	5N84
SCALE: 1" = 50'	SHEET	4	OF	4	SHEETS	STA.	3754+50.00	TO STA.	3762+00.00			ILLINOIS	FED. AI	ID PROJECT		



	LAN	IE 1		LANE 2		LANE 3
LOCATION 1	PAVEMENT REINFORCEMENT	CONTINUOUSLY REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT 8 1/2"	COAT)	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 12.5, MIX "E", N80	PORTLAND CEMENT CONCRETE PAVEMENT 8 1/2" (JOINTED)
STATION TO STATION	SQ YD	SQ YD	POUND	TON	TON	SQ YD
TEST TRACK						
3715+50.00 TO 3723+50.00	933.33	933.33	240.00	388.27	119.47	1066.67
SUBTOTAL	933.33	933.33	240.00	388.27	119.47	1,066.67
APPLICATIONS	-	-	3	-	-	-
TOTAL	933.33	933.33	720.0	388.27	119.47	1,066.67



SECTION A-A

		LAN	E 1			LAN	NE 2		LANE 3		
LOCATION 2	PAVEMENT REINFORCEMENT	PROTECTIVE COAT	DIAMOND GRINDING AND GROOVING (ROADWAY SECTION)	CONTINUOUSLY REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT 8 1/2'	SINGLE PASS	BITUMINOUS MATERIALS (TACK COAT)	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	SURFACE COURSE,	PORTLAND CEMENT CONCRETE PAVEMENT 8 1/2" (JOINTED)	PROTECTIVE COAT	DIAMOND GRINDING AND GROOVING (ROADWAY SECTION)
STATION TO STATION	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	POUND	TON	TON	SQ YD	SQ YD	SQ YD
TEST TRACK											
3723+50.00 TO 3727+50.00	533.33	533.33	533.33	533.33	311.11	120.00	194.13	59.73	533.33	40.00	40.00
SUBTOTAL	533.33	533.33	533.33	533.33	311.11	120.00	194.13	59.73	533.33	40.00	40.00
APPLICATIONS	-	-	-	-	-	3	-	-	-	-	-
TOTAL	533.33	533.33	533.33	533.33	311.11	360.0	194.13	59.73	533.33	40.00	40.00

		LAN	E 1			LANE 2		LANE 3
LOCATION 3	PAVEMENT REINFORCEMENT	PROTECTIVE COAT	DIAMOND GRINDING AND GROOVING (ROADWAY SECTION)	CONTINUOUSLY REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT 8 1/2"	BITUMINOUS MATERIALS (TACK COAT)	HOI-MIX ASPHALI	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 12.5, MIX "E", N80	PORTLAND CEMENT CONCRETE PAVEMENT 8 1/2" (JOINTED)
STATION TO STATION	SQ YD	SQ YD	SQ YD	SQ YD	POUND	TON	TON	SQ YD
TEST TRACK								
3727+50.00 TO 3735+30.00	1,040.00	1,040.00	1,040.00	1,040.00	234.00	378.56	116.48	1,040.00
SUBTOTAL	1,040.00	1,040.00	1,040.00	1,040.00	234.00	378.56	116.48	1,040.00
APPLICATIONS	-	-	-	-	3	-	-	-
TOTAL	1,040.00	1,040.00	1,040.00	1,040.00	702.0	378.56	116.48	1,040.00

NOTES:

- 1. SCHEDULES ON THIS SHEET ARE INTENDED TO PROVIDE FURTHER BREAKOUT DETAIL OF THE RELEVANT SCHEDULES SHOWN ON THE "SCHEDULES" SHEETS.
- 2. SEE PLAN AND PROFILE AND JOINTING PLAN SHEETS FOR ADDITIONAL INFORMATION.

TO STA.

QUIGG ENGINEERING INC

USER NAME = smaxwell	DESIGNED	-	JB	REVISED -
	DRAWN	-	JB	REVISED -
PLOT SCALE = 100.0000 / in.	CHECKED	-	FBN	REVISED -
PLOT DATE = 2/18/2021	DATE	-	02/19/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

			US	50	TEST T	RACK	
			PA	VIN	IG DETA	AILS	
SCALE: NONE	SHEET	1	OF	2	SHEETS	STA.	

F.A.P RTE	SEC ⁻	LION		COUN	ITY	TOTAL SHEET:	. S	HEE NO.
327	14-12-TES	T TRACK	-1	CLINT	ON.	70		33
				CONT	RACT	NO. 7	76N	84

		LAN	E 1			LANE 2		LANE 3
LOCATION 4	PAVEMENT REINFORCEMENT	PROTECTIVE COAT	DIAMOND GRINDING AND GROOVING (ROADWAY SECTION)	CONTINUOUSLY REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT 8 1/2"	BITUMINOUS MATERIALS (TACK COAT)	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	SURFACE COURSE,	PORTLAND CEMENT CONCRETE PAVEMENT 8 1/2" (JOINTED)
STATION TO STATION	SQ YD	SQ YD	SQ YD	SQ YD	POUND	TON	TON	SQ YD
TEST TRACK								
3735+30.00 TO 3743+10.00	1040.00	1040.00	1040.00	1040.00	234.00	378.56	116.48	1040.00
SUBTOTAL	1,040.00	1,040.00	1,040.00	1,040.00	234.00	378.56	116.48	1,040.00
APPLICATIONS	-	-	=	-	3	-	-	-
TOTAL	1,040.00	1,040.00	1,040.00	1,040.00	702.0	378.56	116.48	1,040.00

	LAN	NE 1		LAN	E 2		LANE 3
LOCATION 5	PAVEMENT REINFORCEMENT	CONTINUOUSLY REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT 8 1/2"	SINGLE PASS	BITUMINOUS MATERIALS (TACK COAT)	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	SURFACE COURSE,	PORTLAND CEMENT CONCRETE PAVEMENT 8 1/2" (JOINTED)
STATION TO STATION	SQ YD	SQ YD	SQ YD	POUND	TON	TON	SQ YD
TEST TRACK							
3743+10.00 TO 3747+10.00	533.33	533.33	533.33	120.00	194.13	59.73	533.33
SUBTOTAL	533.33	533.33	533.33	120.00	194.13	59.73	533.33
APPLICATIONS	-	-	-	3	-	-	-
TOTAL	533.33	533.33	533.33	360.0	194.13	59.73	533.33

	LANE 1			LANE 2						
LOCATION 6	PAVEMENT REINFORCEMENT	CONTINUOUSLY REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT 8 1/2"	MATERIALS (TACK COAT)	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	BITUMINOUS MATERIALS (FOG SEAL)	BITUMINOUS SURFACE TREATMENT, (PREVENTIVE MAINTENANCE)	PORTLAND CEMENT CONCRETE PAVEMENT 8 1/2" (JOINTED)		
STATION TO STATION	SQ YD	SQ YD	POUND	TON	TON	POUND	SQ YD	SQ YD		
TEST TRACK										
3747+10.00 TO 3751+10.00	533.33	533.33	120.00	194.13	59.73	240.0	533.33	533.33		
SUBTOTAL	533.33	533.33	120.00	194.13	59.73	240.0	533.33	533.33		
APPLICATIONS	-	-	3	-	-	-	•	-		
TOTAL	533.33	533.33	360.0	194.13	59.73	240.0	533.33	533.33		

	LAN	NE 1		LANE 3		
LOCATION 7	PAVEMENT REINFORCEMENT	CONTINUOUSLY REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT 8 1/2"	BITUMINOUS MATERIALS (TACK COAT)	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D" N70	
STATION TO STATION	SQ YD	SQ YD	POUND	TON	TON	SQ YD
TEST TRACK						
3751+10.00 TO 3755+10.00	400.00	400.00	120.00	194.13	59.73	533.33
SUBTOTAL	400.00	400.00	120.00	194.13	59.73	533.33
APPLICATIONS	-	-	3	-	-	-
TOTAL	400.00	400.00	360.0	194.13	59.73	533.33

NOTES

- SCHEDULES ON THIS SHEET ARE INTENDED TO PROVIDE FURTHER BREAKOUT DETAIL OF THE RELEVANT SCHEDULES SHOWN ON THE "SCHEDULES" SHEETS.
- 2. SEE PLAN AND PROFILE AND JOINTING PLAN SHEETS FOR ADDITIONAL INFORMATION.

QUIGG ENGINEERING INC

USER NAME = smaxwell	DESIGNED	-	JB	REVISED -	
	DRAWN	-	JB	REVISED -	
PLOT SCALE = 100.0000 / in.	CHECKED	-	FBN	REVISED -	
PLOT DATE = 2/18/2021	DATE	-	02/19/2021	REVISED -	

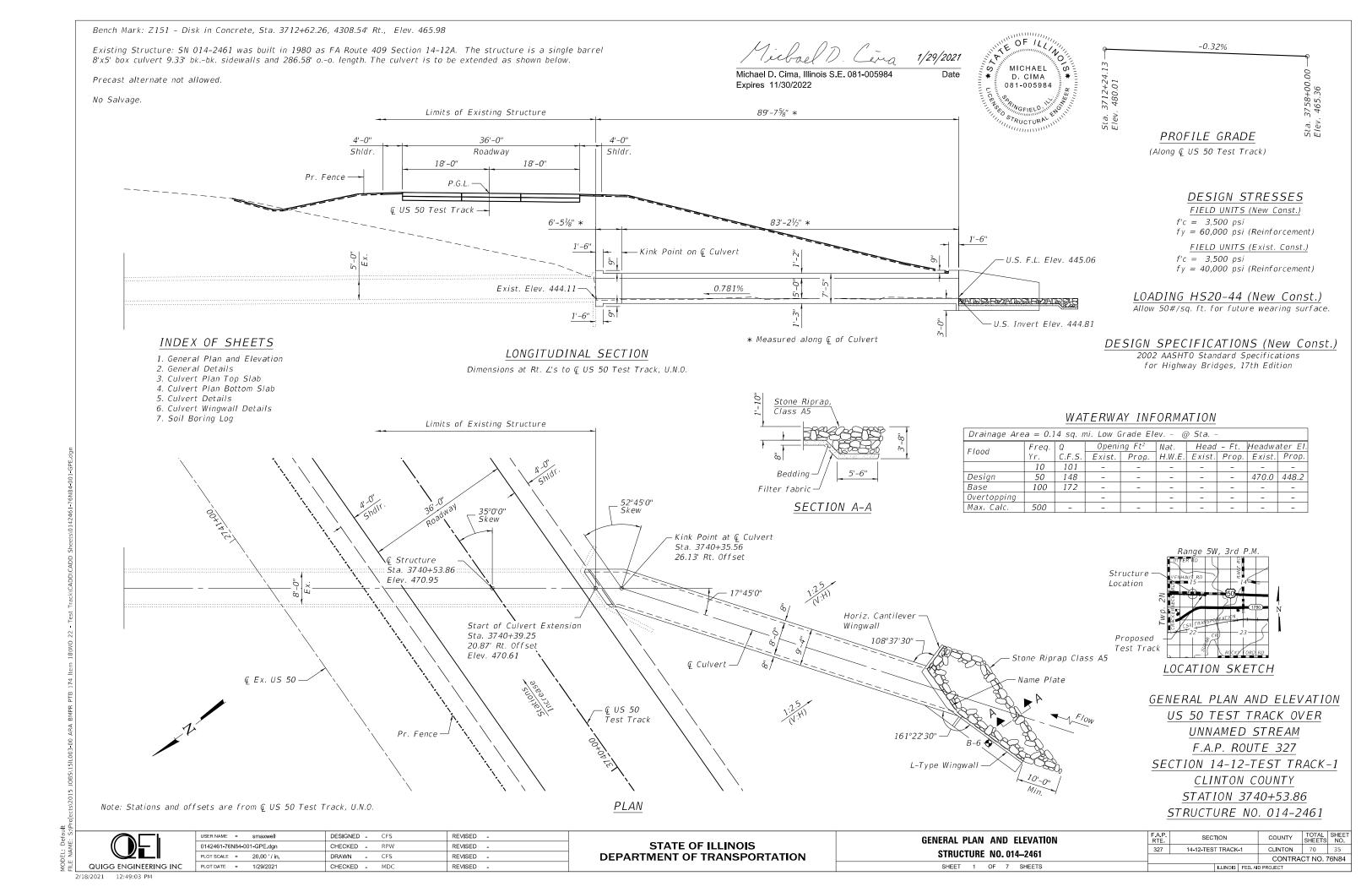
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 50 TEST TRACK PAVING DETAILS						F.A.P RTE SECTION		COUNTY	TOTAL SHEETS					
						327	14-12-TEST TRACK-1		CLINTON	70	34			
										CONTRACT	NO. 70	5N84		
SCALE: NONE	SHEET	2	OF	2	SHEETS	STA.	TO STA.			ILLINOIS	FED. A	ID PROJECT		

.

SIL003-00 ARA BMPR PTB 174 Item 18\WO 22 - Test Track\CADD\C

40DEL: Default



Drain hole shall conform to the requirements of Article 503.11 of the Standard Specifications. Cost shall be included in Concrete Box Culverts.

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

It shall be the responsibility of the Contractor to divert flow during construction in order to keep construction areas free of water. The method of water diversion shall be subject to the approval of the Engineer and the cost shall be included in Concrete Box Culverts

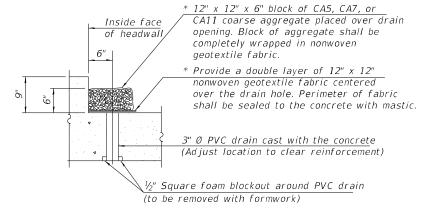
Existing Name Plate shall be cleaned and relocated next to new Name Plate. Cost included with Name Plates.

Reinforcement bars designated (E) shall be epoxy coated.

Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction 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 scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

See Erosion Control Plans for Stone Riprap Class A5 and Filter Fabric quantities.

* Nonwoven geotextile fabric shall conform to the requirements of Article 1080.01 of the Standard Specifications. The minimum weight of the fabric shall be 6 ounces per square yard.



DRAIN DETAIL

(All costs associated with furnishing and constructing the above drain detail will not be measured for payment but shall be included in the contract unit price for the associated work.)

TOTAL BILL OF MATERIAL

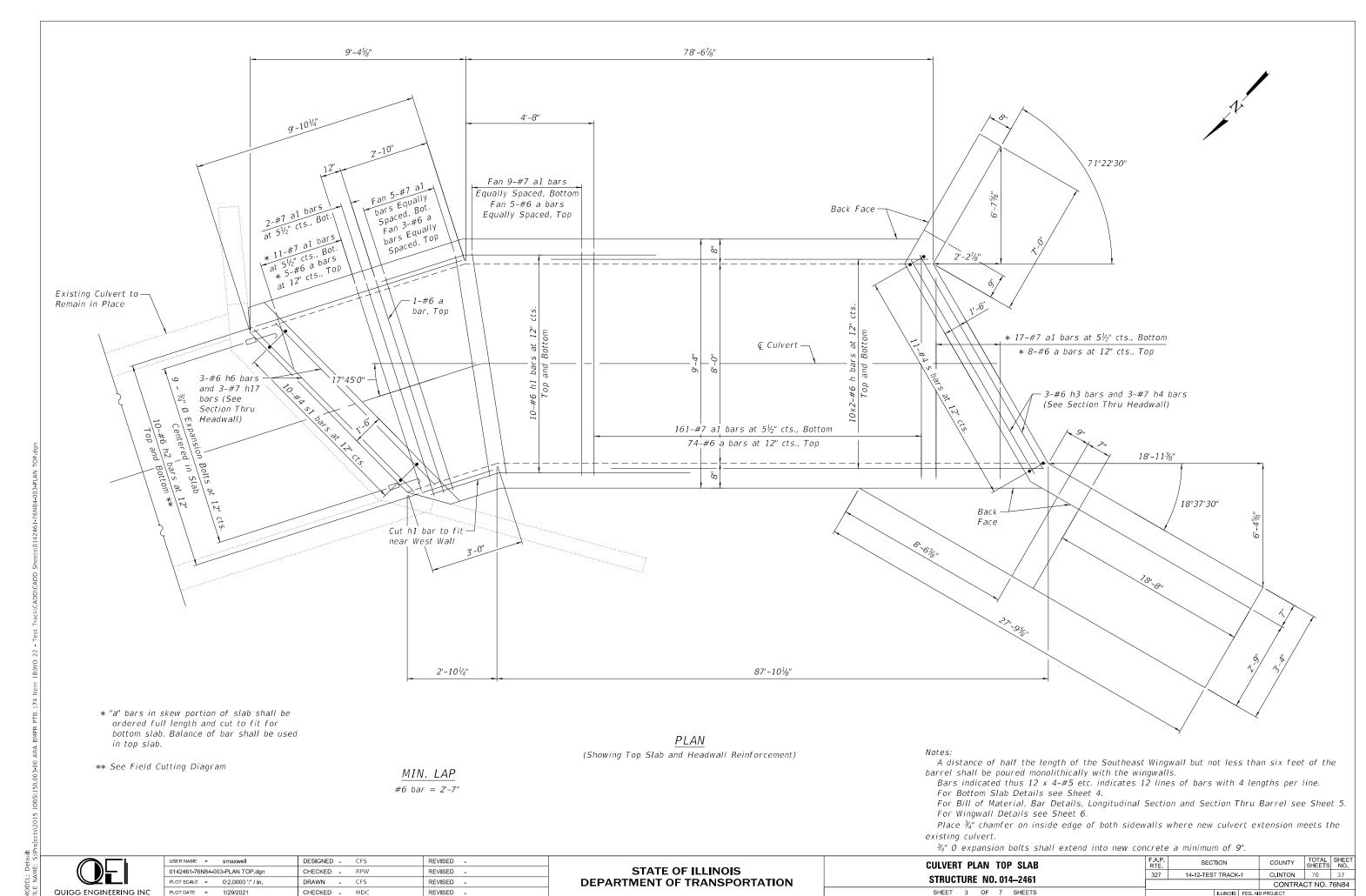
Item	Unit	Total
Structure Excavation	Cu. Yd.	85.4
Reinforcement Bars	Pound	22,330
Reinforcement Bars, Epoxy Coated	Pound	250
Name Plates	Each	1
Expansion Bolts 3/4 Inch	Each	28
Concrete Box Culverts	Cu. Yd.	106.3

STATION 3740+53.86 RE-BUILT BY STATE OF ILLINOIS F.A.P. RT. 327 SEC. 14-12-TEST TRACK-1 LOADING HS 20-44 STRUCTURE NO. 014-2461

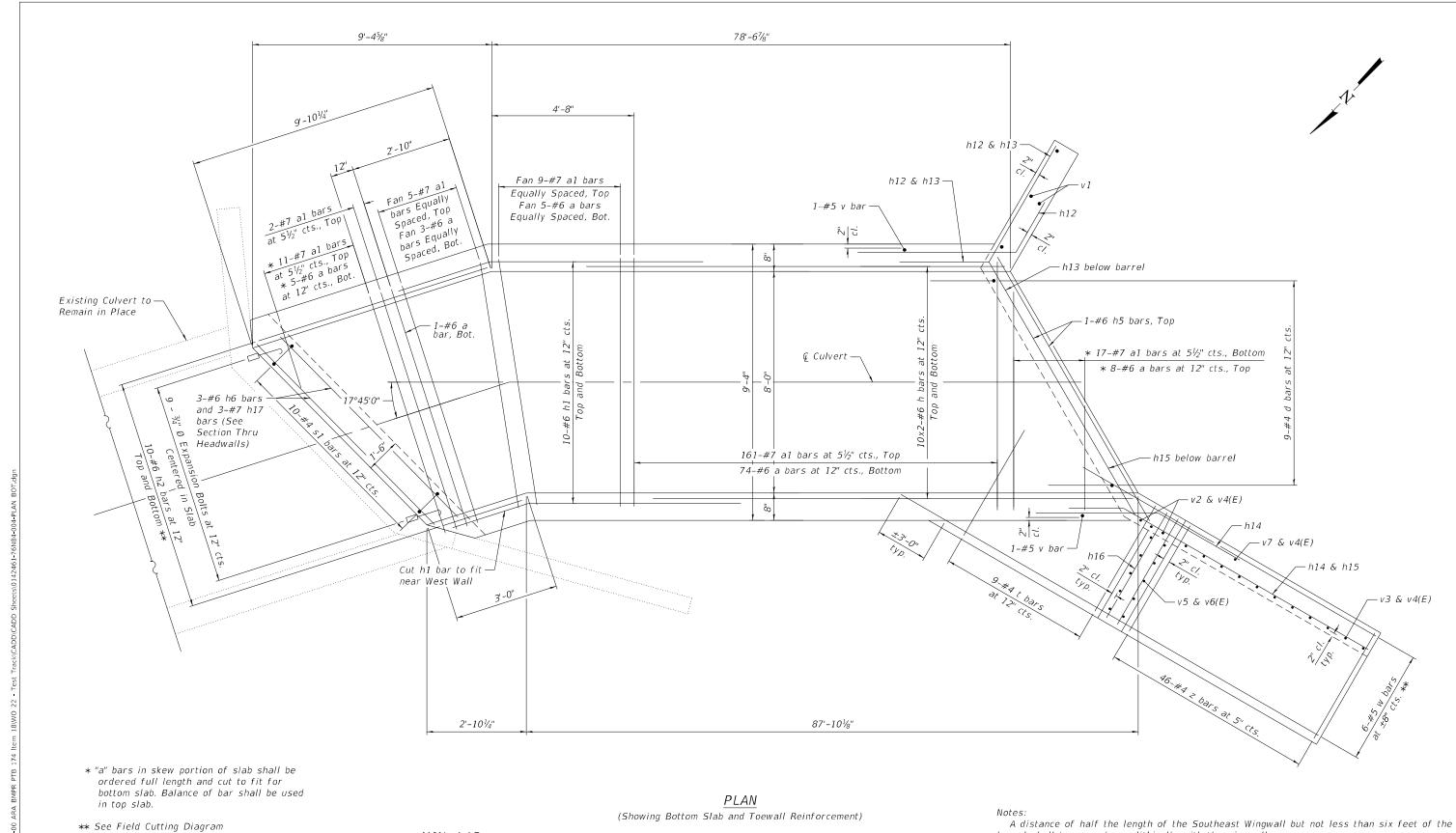
NAME PLATE
See Std. 515001

QUIGG ENGINEERING INC

USER NAME = smaxwell	DESIGNED - CFS	REVISED -
0142461-76N84-002-GN.dgn	CHECKED - RPW	REVISED -
PLOT SCALE = 0:2.0000 ':" / in.	DRAWN - CFS	REVISED -
PLOT DATE = 1/29/2021	CHECKED - MDC	REVISED -



2/18/2021 12:49:06 PM



QUIGG ENGINEERING INC

DESIGNED - CFS REVISED -USER NAME = smaxwell 0142461-76N84-004-PLAN BOT.dar CHECKED - RPW REVISED -PLOT SCALE = 0:2.0000 ':" / in. - CFS REVISED PLOT DATE = 1/29/2021 CHECKED - MDC REVISED -

MIN. LAP

 $#6 \ bar = 2'-7''$

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

3/4" Ø expansion bolts shall extend into new concrete a minimum of 9". SECTION COUNTY **CULVERT PLAN BOTTOM SLAB** 327 14-12-TEST TRACK-1 CLINTON CONTRACT NO. 76N84

barrel shall be poured monolithically with the wingwalls.

For Top Slab Details see Sheet 3.

For Wingwall Details see Sheet 6.

SHEET 4 OF 7 SHEETS

existing culvert.

STRUCTURE NO. 014-2461

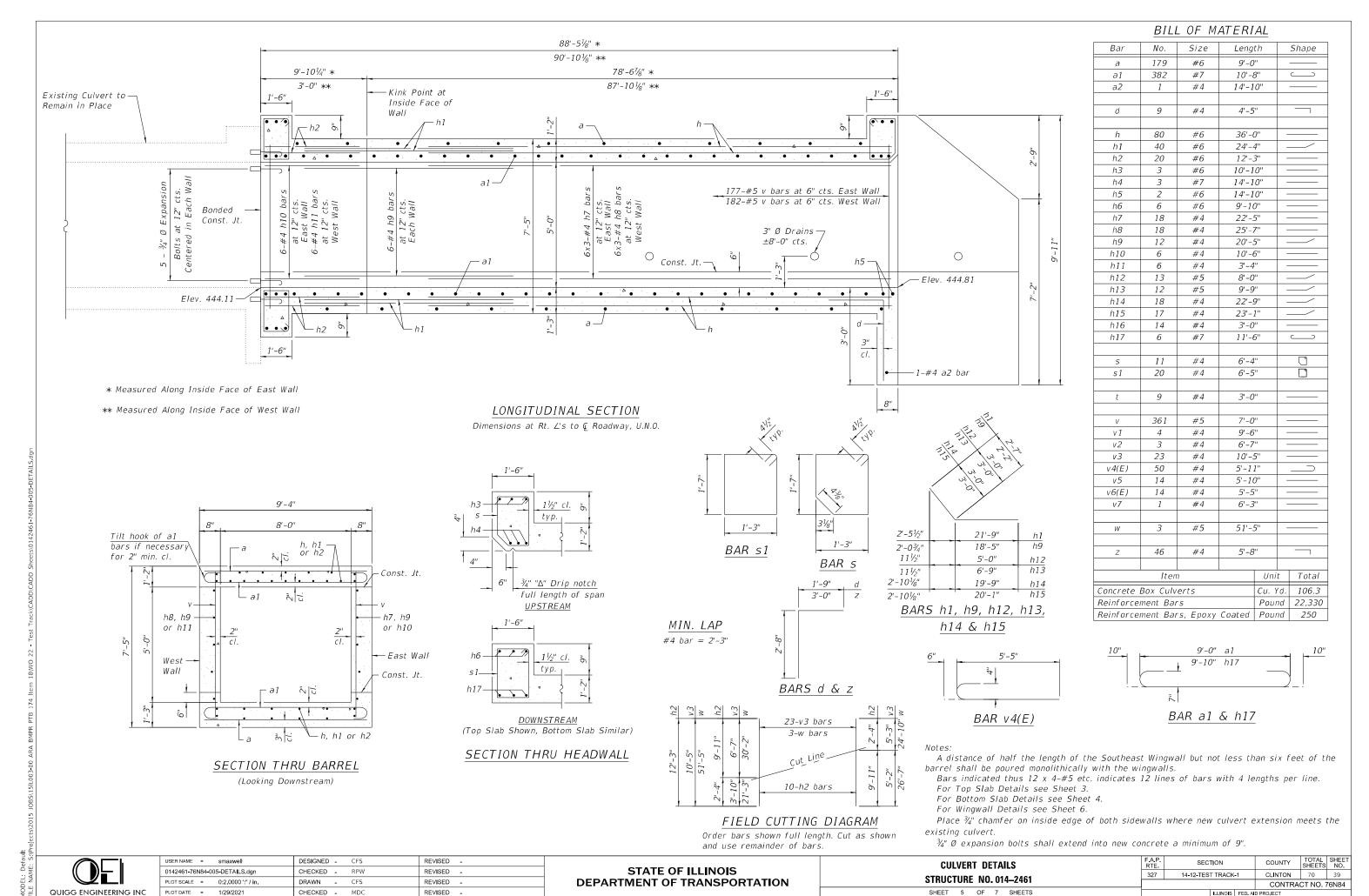
Bars indicated thus 12 x 4-#5 etc. indicates 12 lines of bars with 4 lengths per line.

For Bill of Material, Bar Details, Longitudinal Section and Section Thru Barrel see Sheet 5.

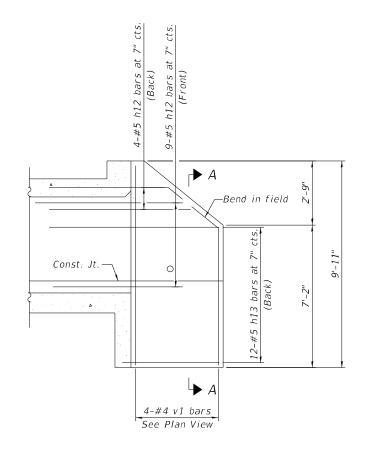
Place $rac{3}{4}$ " chamfer on inside edge of both sidewalls where new culvert extension meets the

70 38

2/18/2021 12:49:07 PM



2/18/2021 12:49:08 PM



46-#4 v3 bars
at 5" cts. (Back)

Const. Jt.

Const. Jt.

Const. Jt.

B ←

Const. Jt.

Const. Jt.

B ←

Const. Jt.

Const. Jt.

B ←

Const. Jt.

Const. Jt.

Const. Jt.

B ←

Const. Jt.

7-#4 v6(E) bars at 5" cts.

(Ea. Face)

7"

h14

v3

v4(E)

7"

v4(E)

7"

h15

7"

h15

SECTION B-B

SOUTHEAST WINGWALL

SOUTHWEST WINGWALL

** See Field Cutting Diagram

Notes:

A distance of half the length of the Southeast Wingwall but not less than six feet of the barrel shall be poured monolithically with the wingwalls.

For Top Slab Details see Sheet 3.

For Bottom Slab Details see Sheet 4.

For Bill of Material, Bar Details, Longitudinal Section and Section Thru Barrel see Sheet 5.



USER NAME = smaxwell	DESIGNED - CFS	REVISED -
0142461-76N84-006-WW DETAILS.dgn	CHECKED - RPW	REVISED -
PLOT SCALE = 0:2.0000 ':" / in.	DRAWN - CFS	REVISED -
PLOT DATE = 1/29/2021	CHECKED - MDC	REVISED -



SOIL BORING LOG

Page <u>1</u> of <u>1</u>

Date <u>12/22/20</u>

SECTION	_	.UCAT	ION _	ırento	n, IIIInois		
COUNTY Clinton DRILLING	ME	THOD	_Ver	tek S4	CPT w/Direct Sampler	HAMMER TYPE	N/A
STRUCT. NO Station BORING NO Station Offset Ground Surface Elev449ft	D E P T H	B L O W S	U C S Qu (tsf)	M O I S T	Surface Water Elev Stream Bed Elev Groundwater Elev.: First Encounter Upon Completion After Hrs	ft ft	
SILTY CLAY: Brown and dark rown, moist, stiff to very stiff, A-6		BS	3.8 P	24			
- Atterberg Limits test performed - -	_	BS	1.8 P	24			
	-5	BS	1.8 P	24			
Medium stiff	_	BS	0.8 P	25			
SILTY CLAY LOAM: Brown, moist, lard, A-6 (glacial till) Atterberg Limits test performed		BS	>4.5 P	14			
Soft, wet	10	BS	NC	22			
Sampler refusal at 12.0 feet.							

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
AASHTO Classifications are based on visual classifications unless otherwise noted BBS, form 137 (Rev. 8-99)



USER NAME = smaxwell	DESIGNED - CFS	REVISED -
0142461-76N84-007-BORING.dgn	CHECKED - RPW	REVISED -
PLOT SCALE = 0:2.0000 ':" / in.	DRAWN - CFS	REVISED -
PLOT DATE = 1/29/2021	CHECKED - MDC	REVISED -

SOIL BORING LOG Structure No. 014-2461		SECTION			COUNTY	TOTAL SHEETS	SHEET NO.
		14-12-TEST TRACK-1			CLINTON	70	41
31NUCTURE NO. 014-2401					CONTRA	CT NO. 7	'6N84
SHEET 7 OF 7 SHEETS			ILLINOIS	FED. AII	ID PROJECT		

