

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
623	(0) BR	GRUNDY	35	1
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO. 66913		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROPOSED HIGHWAY PLANS

FAP ROUTE 623 (US 6)
SECTION (0) BR
PROJECT ACBRF-0623(028)
GRUNDY COUNTY

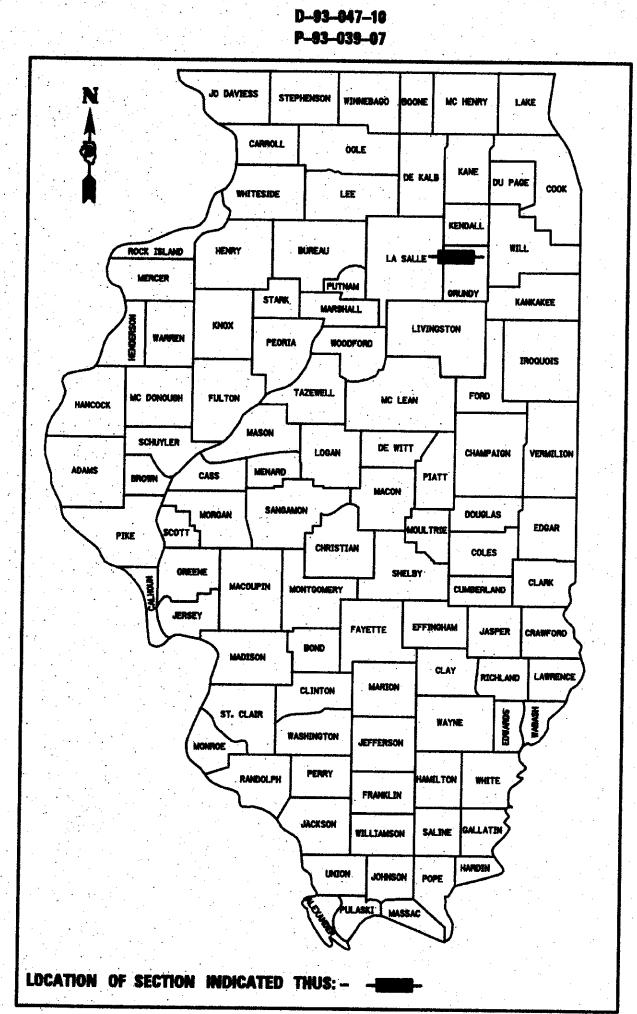
C - 93 - 104 - 10

US ROUTE 6 OVER RAT RUN
REPLACEMENT OF EXISTING BRIDGE WITH A
DOUBLE PRECAST BOX CULVERT

INDEX OF SHEETS

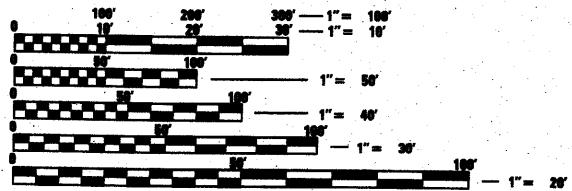
SHEET NO.	ITEM
1	COVER SHEET
2	GENERAL NOTES, COMMITMENTS & HIGHWAY STANDARDS
3	SUMMARY OF QUANTITIES
4 - 5	TYPICAL SECTIONS
6	SCHEDULE OF QUANTITIES
7	ALIGNMENT & TIES
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10	DETOUR PLAN
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13	R.O.W. PLAN
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18 - 25	EXISTING STRUCTURE PLANS
26 - 27	MISCELLANEOUS DETAILS
28 - 35	CROSS SECTIONS

5 LANE SECTION



FUNCTIONAL CLASSIFICATION
OTHER MINOR ARTERIAL - F.A.P. 623 (US RTE. 6)
ADT 3,350 (2008)
PV = 93.0%
SU = 4.0%
MU = 3.0%

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

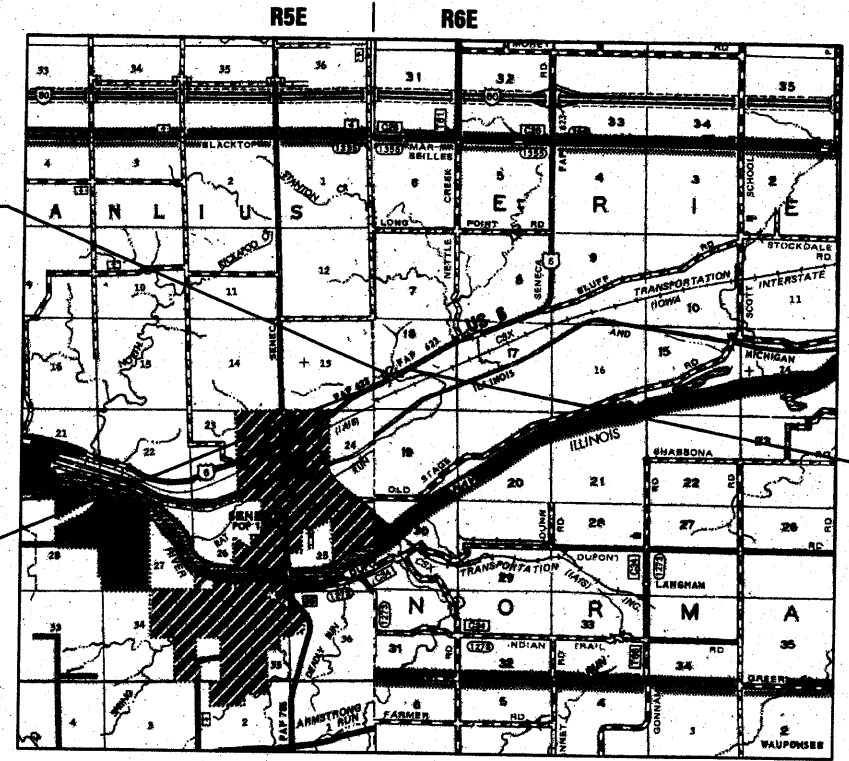


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-992-0123
OR 811

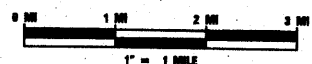
STATION 417+45.00
DOUBLE 9'x6' PRECAST
CONCRETE BOX CULVERT
EXIST. S.N. 032-0064
PROP. S.N. 032-2020

BEGIN PROJECT
STA. 412+00.00



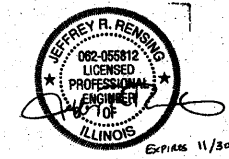
END PROJECT
STA. 420+50.00

LOCATION MAP



GROSS LENGTH = 850 FT. = 0.16 MI.
NET LENGTH = 850 FT. = 0.16 MI.

DISTRICT 3 NO. (815) 434-6131
PROJECT ENGINEER: CRAIG REED
UNIT CHIEF: BRAD DUNCAN
CONTRACT NO. 66913



Jeffrey R. Rensing 4/28/10
JEFFREY R. RENSING DATE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED August 12 2010
George Duma
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

October 1 2010
Scott E. Stitt, P.E.
acting ENGINEER OF DESIGN AND ENVIRONMENT

October 1 2010
Christine M. Rood
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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OF THE STATE OF ILLINOIS**

GENERAL NOTES

- THE THICKNESS OF HMA SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HMA IS PLACED.
- THE HMA SURFACE OF ALL MAILBOX TURNOUTS, PRIVATE ENTRANCES, COMMERCIAL ENTRANCES, AND SIDE ROADS SHALL BE MADE NEATLY, IN A WORKMANLIKE MANNER, AND SHALL ACCURATELY CONFORM TO THE SHAPES AND DIMENSIONS SHOWN ON THE PLAN DETAILS. IF REQUIRED BY THE ENGINEER, THE CONTRACTOR SHALL BE REQUIRED TO SAW CUT THE HMA SURFACE TO CONFORM TO THE SHAPES AND DIMENSIONS SHOWN ON THE PLAN DETAILS. THIS WORK SHALL BE INCLUDED IN THE COST OF THE HMA SURFACE.
- EXCEPT AS NOTED ON THE PLANS, PAVEMENT GRADES SHOWN ARE AT THE TOP OF PAVEMENT SURFACES.
- BEFORE ORDERING PIPE CULVERTS OR PIPE DRAINS, THE CONTRACTOR SHALL CONSULT THE ENGINEER FOR EXACT LENGTHS.
- THE ENGINEER WILL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS HMA LIFTS.
- FOR STABILIZATION, ALL TYPE III BARRICADES SHALL REQUIRE A MINIMUM OF FOUR SAND BAGS PER BARRICADE.
- SEEDING SHALL NOT BE PERMITTED AT ANY TIME WHEN THE GROUND IS FROZEN, WET, OR IN AN UNTILLABLE CONDITION. LOCATIONS TO BE SEEDED WILL BE DETERMINED BY THE ENGINEER.
- ONLY THOSE TREES DESIGNATED BY THE ENGINEER OR LISTED IN THE TREE REMOVAL SCHEDULE SHALL BE REMOVED. THE CONTRACTOR SHALL PROTECT ALL REMAINING TREES FROM DAMAGE DUE TO HIS OPERATIONS.
- THE FINISHED EARTHWORK SHALL HAVE A VEGETATION SUSTAINING SOIL COVERING THE TOP FOUR INCHES IN AREAS TO BE SEEDED OR SODDED. THE VEGETATION SUSTAINING SOIL REQUIRED WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF FURNISHED EXCAVATION.
- ON EXISTING PAVEMENT WHICH MAY BE SUPERELEVATED, THE NEW HMA PAVEMENT SHALL BE BUILT WITH THE SAME SUPERELEVATION UNLESS NEW SUPERELEVATION RATES ARE GIVEN ON THE PLANS.
- ALL ELEVATIONS REFERRING TO U.S.G.S. MEAN SEA LEVEL DATUM.
- ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT OF WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.
- ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER SHOWN IN THE LIST OF STANDARDS INCLUDED IN THESE PLANS.
- THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:

GRANULAR MATERIALS	2.05	TONS / CU YD
BITUMINOUS MAT (PRIME COAT)		
ON AGGREGATE BASES	0.375	GAL / SQ YD
BITUMINOUS MAT (PRIME COAT)	0.08	GAL / SQ YD
BITUMINOUS MAT (PRIME COAT)		
FOG COAT	0.08	GAL / SQ YD
HMA RESURFACING	112	LBS / SQ YD / IN
TEMPORARY DITCH CHECKS	5	TONS AGGREGATE / EACH
- THE WORK REQUIRED TO CONNECT ANY STORM SEWER TO AN EXISTING DRAINAGE STRUCTURE OR PIPE WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICE BID FOR THE STORM SEWER ITEMS.
- MEMBERS OF JULIE KNOWN TO BE WITHIN THE LIMITS OF THE IMPROVEMENT ARE:

TELEPHONE - AT&T

- CHANNEL EXCAVATION SHALL BE COMPLETED AT THE PROPOSED STRUCTURE IN ORDER TO TIE BACK INTO THE EXISTING GROUND. THIS SECTION SHALL EXTEND ±15' UPSTREAM AND ±30' DOWNSTREAM OF THE PROPOSED STRUCTURE. LAYOUT OF CHANNEL EXCAVATION MAY BE VARIED IN THE FIELD TO SUIT GROUND CONDITIONS AS DIRECTED BY THE ENGINEER.
- RIPRAP LOCATIONS MAY BE VARIED IN THE FIELD TO SUIT GROUND CONDITIONS AS DIRECTED BY THE ENGINEER.
- THE FOLLOWING ITEMS AND APPROXIMATE QUANTITIES ARE INCLUDED IN THE "SCHEDULE OF PRICES" IN ORDER TO ESTABLISH A UNIT COST FOR WORK REQUIRED TO COMPLETE THE FIELD TILE RELOCATION. THE ACTUAL QUANTITY OF EACH ITEM SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

STORM SEWERS, CLASS A, TYPE 2, 8"	50	FOOT
STORM SEWER REMOVAL 8"	50	FOOT
FIELD TILE JUNCTION VAULTS, 2' DIA.	2	EACH

COMMITMENTS

- A COMMITMENT HAS BEEN MADE FOR THE STATE'S RESIDENT ENGINEER TO COORDINATE WITH THE GRUNDY COUNTY HIGHWAY DEPARTMENT TO PERFORM A VIDEO INSPECTION OF ANY COUNTY ROAD THAT COULD BE USED TO GO AROUND THE CLOSURE BEFORE AND AFTER THE DETOUR IS IN EFFECT, TO DOCUMENT THE ROAD CONDITION AND TO DETERMINE IF ANY DAMAGE TO THE COUNTY SYSTEM CAN BE ATTRIBUTED TO THE STATE MARKED DETOUR BEING IN PLACE.
- A COMMITMENT HAS BEEN MADE FOR THE STATE'S RESIDENT ENGINEER TO NOTIFY THE SENECA CHIEF OF POLICE AT LEAST SEVEN (7) DAYS PRIOR TO THE CLOSURE OF US ROUTE 6.
- A COMMITMENT HAS BEEN MADE TO ENSURE THE DETOUR TAKES PLACE BETWEEN JUNE 15TH AND AUGUST 15TH AND THAT IT SHALL NOT BE ENFORCED DURING THE SNOW REMOVAL MONTHS.

HIGHWAY STANDARDS

- 000001-05 - STANDARD SYMBOLS, ABBREVIATIONS & PATTERNS
- 001001-02 - AREAS OF REINFORCEMENT REBARS
- 001006 - DECIMAL OF AN INCH AND OF A FOOT
- 280001-05 - TEMPORARY EROSION CONTROL SYSTEMS
- 482001-02 - HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
- 482011-03 - HMA SHOULDER STRIPS/SHOULDERS WITH RESURFACING OR WIDENING AND RESURFACING PROJECT
- 515001-03 - NAME PLATE FOR BRIDGES
- 542301-02 - PRECAST REINFORCED CONCRETE FLARED END SECTION
- 542401-01 - METAL END SECTION FOR PIPE CULVERT
- 601101-01 - CONCRETE HEADWALL FOR PIPE DRAIN
- 602306-02 - INLET-TYPE B
- 602401-02 - MANHOLE TYPE A
- 604001-03 - FRAME AND LIDS TYPE 1
- 604006-04 - FRAME AND GRATE TYPE 3
- 606001-04 - CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
- 642001-01 - SHOULDER RUMBLE STRIPS
- 665001-02 - WOVEN WIRE FENCE
- 666001-01 - RIGHT OF WAY MARKERS
- 701306-02 - LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS ≥ 45 MPH
- 701901-01 - TRAFFIC CONTROL DEVICES
- 780001-02 - TYPICAL PAVEMENT MARKINGS
- 781001-03 - TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DISTRICT THREE

REVIEWED BY: Don Brault
DISTRICT STUDIES & PLANS ENGINEER

DATE: 08/12/10

EXAMINED BY: Michael D. ...
DISTRICT CONSTRUCTION ENGINEER

...
DISTRICT MATERIALS ENGINEER

...
DISTRICT OPERATIONS ENGINEER

FILE NAME =	USER NAME = mukabush	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES, COMMITMENTS & HIGHWAY STANDARDS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
MA\26854\VO 7 US 6 5-Lane - SN 832-008	Motorstation\aheta@dgn	DRAWN -	REVISED -			623	(0) BR	GRUNDY	35	2
PLOT SCALE = 28.0000' / IN.	CHECKED -	REVISED -				CONTRACT NO. 66913				
PLOT DATE = 6/22/2010	DATE -	REVISED -								

SUMMARY OF QUANTITIES

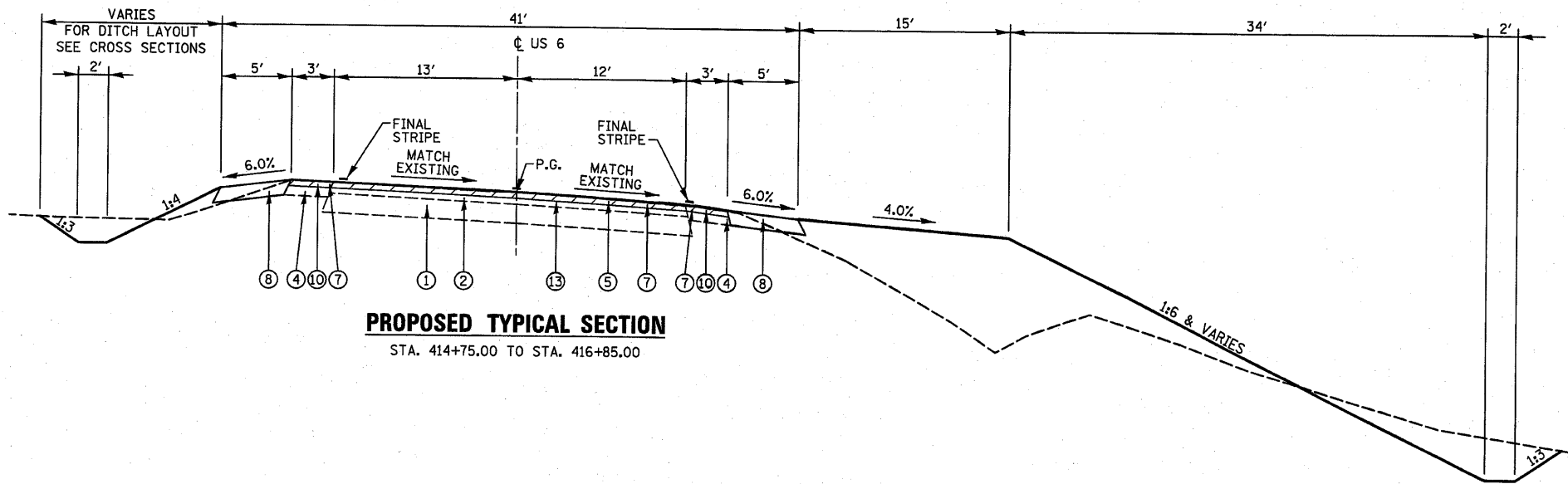
CODE NO.	ITEM	UNIT	TOTAL QUANTITIES	CONSTRUCTION TYPE CODES IDOT FUNDING		CONSTRUCTION TYPE CODES LOCAL AGENCY FUNDING	
				0005	EX S.N. 032-0084 PR S.N. 032-2020 0010	0005	EX S.N. 032-0084 PR S.N. 032-2020 0010
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	206	206			
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	38	38			
20200100	EARTH EXCAVATION	CU YD	569	300		269	
20300100	CHANNEL EXCAVATION	CU YD	40	40			
20400800	FURNISHED EXCAVATION	CU YD	2,423	1,031		1,392	
20700220	POROUS GRANULAR EMBANKMENT	CU YD	1,133		788		345
X2070304	POROUS GRANULAR EMBANKMENT, SPECIAL	CU YD	205		131		74
20800150	TRENCH BACKFILL	CU YD	14	14			
* 25000300	SEEDING, CLASS 3	ACRE	1.25	0.75		0.50	
* 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	113	68		45	
* 25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	113	68		45	
* 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	113	68		45	
* 25100115	MULCH, METHOD 2	ACRE	1.25	0.75		0.50	
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	375	225		150	
28000305	TEMPORARY DITCH CHECKS	FOOT	180	110		70	
28000400	PERIMETER EROSION BARRIER	FOOT	598	467		131	
28000500	INLET AND PIPE PROTECTION	EACH	4	4			
28100105	STONE RIPRAP, CLASS A3	SQ YD	158	158			
28100107	STONE RIPRAP, CLASS A4	SQ YD	181		181		
28200200	FILTER FABRIC	SQ YD	339	158	181		
31100100	SUB-BASE GRANULAR MATERIAL, TYPE A	TON	288	288			
31101900	SUB-BASE GRANULAR MATERIAL, TYPE C	TON	19	19			
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	182	161		21	
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	371	371			
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	100	100			
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	165	165			
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	198	198			
44000100	PAVEMENT REMOVAL	SQ YD	103	103			
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SQ YD	2,273	2,273			
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	81	81			
44000400	GUTTER REMOVAL	FOOT	18	18			
44004250	PAVED SHOULDER REMOVAL	SQ YD	17	17			
48101600	AGGREGATE SHOULDERS, TYPE B 8"	SQ YD	419	419			
48203100	HOT-MIX ASPHALT SHOULDERS	TON	61	61			

* SPECIALTY ITEM

SUMMARY OF QUANTITIES

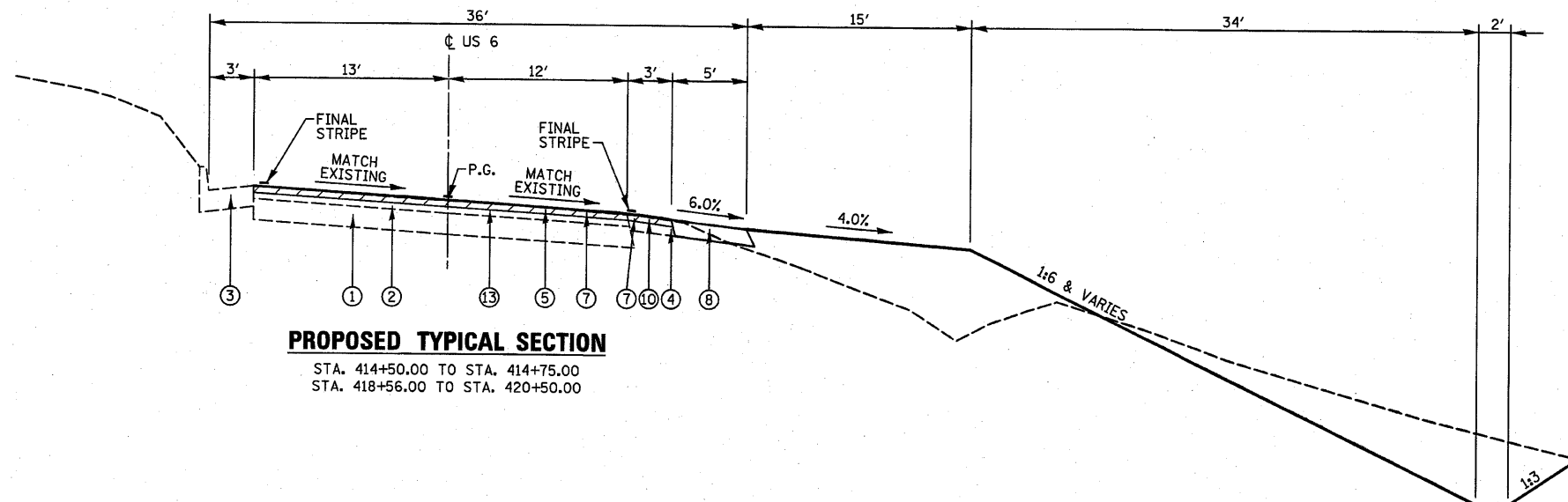
CODE NO.	ITEM	UNIT	TOTAL QUANTITIES	CONSTRUCTION TYPE CODES IDOT FUNDING		CONSTRUCTION TYPE CODES LOCAL AGENCY FUNDING	
				0005	EX S.N. 032-0084 PR S.N. 032-2020 0010	0005	EX S.N. 032-0084 PR S.N. 032-2020 0010
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1		1		
50105220	PIPE CULVERT REMOVAL	FOOT	118	118			
50200100	STRUCTURE EXCAVATION	CU YD	966		644		322
50800105	REINFORCEMENT BARS	POUND	21,840		17,300		4,540
51500100	NAME PLATES	EACH	1		1		
54003000	CONCRETE BOX CULVERTS	CU YD	90.0		74.1		15.9
54010906	PRECAST CONCRETE BOX CULVERT 9' X 6'	FOOT	238		144		94
54200220	PIPE CULVERTS, CLASS D, TYPE 1 15"	FOOT	143	143			
54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	1	1			
54215550	METAL END SECTIONS 15"	EACH	6	6			
550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	FOOT	68	68			
550A0320	STORM SEWERS, CLASS A, TYPE 2 8"	FOOT	50	50			
55100300	STORM SEWER REMOVAL 8"	FOOT	50	50			
55100700	STORM SEWER REMOVAL 15"	FOOT	15	15			
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1			
60240220	INLETS, TYPE B, TYPE 3 FRAME AND GRATE	EACH	1	1			
60600095	CLASS SI CONCRETE (OUTLET)	CU YD	1	1			
61133100	FIELD TILE JUNCTION VAULTS, 2' DIA.	EACH	2	2			
63200310	GUARDRAIL REMOVAL	FOOT	247	247			
64200105	SHOULDER RUMBLE STRIPS	FOOT	900	900			
66500105	WOVEN WIRE FENCE, 4'	FOOT	100	100			
66502300	WOVEN WIRE FENCE REMOVAL	FOOT	100	100			
66600105	FURNISHING AND ERECTING RIGHT-OF-WAY MARKERS	EACH	12	12			
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	3	3			
67100100	MOBILIZATION	L SUM	1	1			
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1			
70101700	TRAFFIC CONTROL AND PROTECTION	L SUM	1	1			
* 78005110	EPOXY PAVEMENT MARKING - LINE 4"	FOOT	2,147	2,147			
* 78005130	EPOXY PAVEMENT MARKING - LINE 6"	FOOT	213	213			
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	11	11			
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	11	11			
X6660400	REMOVE RIGHT-OF-WAY MARKERS	EACH	2	2			
Z0001900	ASBESTOS BEARING PAD REMOVAL	EACH	22		22		
60608220	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-9.36	FOOT	75	75			

* SPECIALTY ITEM



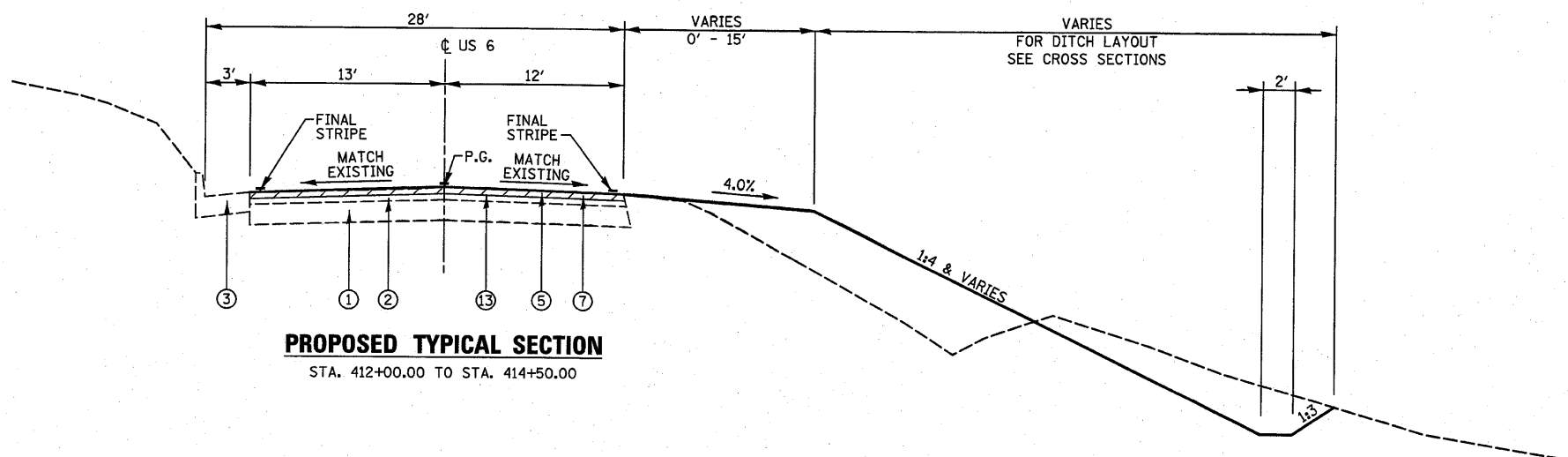
PROPOSED TYPICAL SECTION

STA. 414+75.00 TO STA. 416+85.00



PROPOSED TYPICAL SECTION

STA. 414+50.00 TO STA. 414+75.00
STA. 418+56.00 TO STA. 420+50.00



PROPOSED TYPICAL SECTION

STA. 412+00.00 TO STA. 414+50.00

LEGEND

- ① EXISTING CONCRETE PAVEMENT, 8"
- ② EXISTING BITUMINOUS CONCRETE OVERLAY, 5"
- ③ EXISTING COMBINATION CURB & GUTTER B-9.36
- ④ EXISTING HOT-MIX ASPHALT SHOULDER
- ⑤ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 (1 1/2")
PROPOSED HOT-MIX ASPHALT LEVELING BINDER (MACHINE METHOD), N50 (3/4")
- ⑥ PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 (9")
- ⑦ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
- ⑧ PROPOSED AGGREGATE SHOULDER TYPE B, 8"
- ⑨ PROPOSED COMBINATION CURB & GUTTER, TYPE B-9.36
- ⑩ PROPOSED HOT-MIX ASPHALT SHOULDERS -
(8" FULL DEPTH OR 1 1/2" SURFACE, 3/4" LEVEL BINDER)
- ⑪ PROPOSED SUB-BASE GRANULAR MATERIAL, TYPE A (12")
- ⑫ PROPOSED SUB-BASE GRANULAR MATERIAL, TYPE C
- ⑬ PROPOSED BITUMINOUS MATERIALS (PRIME COAT)

MIXTURE REQUIREMENTS

	HMA BINDER	HMA LEVELING BINDER	HMA SURFACE	HMA SHOULDERS FOR STAGED TRAFFIC	HMA SHOULDERS**
PG GRADE	PG 64-22	PG 64-22	PG 64-22	PG 64-22	PG 58-22
DESIGN AIR VOIDS	4.0% @ N50	4.0% @ N50	4.0% @ N50	4.0% @ N50	2.0% @ N30
MIXTURE COMPOSITION	IL 19.0	IL 12.5 OR IL 9.5	IL 12.5 OR IL 9.5	IL 19.0	IL 19.0
FRICITION AGGREGATE		MIXTURE C	MIXTURE C		
DENSITY TEST METHOD	CORES	CORES	CORES	CORES	CORES

NOTE: MATERIAL SHALL BE COMPACTED TO 93.0-97.4 PERCENT OF THE MAXIMUM THEORETICAL DENSITY, EXCEPT THAT WHEN PLACED AS FIRST LIFT ON AN UNIMPROVED SUBGRADE THE MINIMUM PERCENT COMPACTION SHALL BE 92.0 PERCENT. THE MAXIMUM THEORETICAL DENSITY SHALL BE DETERMINED FROM THE MOVING AVERAGE AS SPECIFIED IN THE QC/OA SPECIFICATION.

** IF THE RAP PERCENTAGE IS DIFFERENT THAN LISTED ABOVE, THE PG GRADE MAY NEED TO BE ADJUSTED. THIS WILL BE DETERMINED BY THE ENGINEER.

FILE NAME =
M:\26054\WD 7 US 6 5-Lane - SN 032-008

USER NAME = mkebuach
Microstation\sheet01.dgn
PLOT SCALE = 28.0000' / IN.
PLOT DATE = 6/28/2010

DESIGNED -
DRAWN -
CHECKED -
DATE -

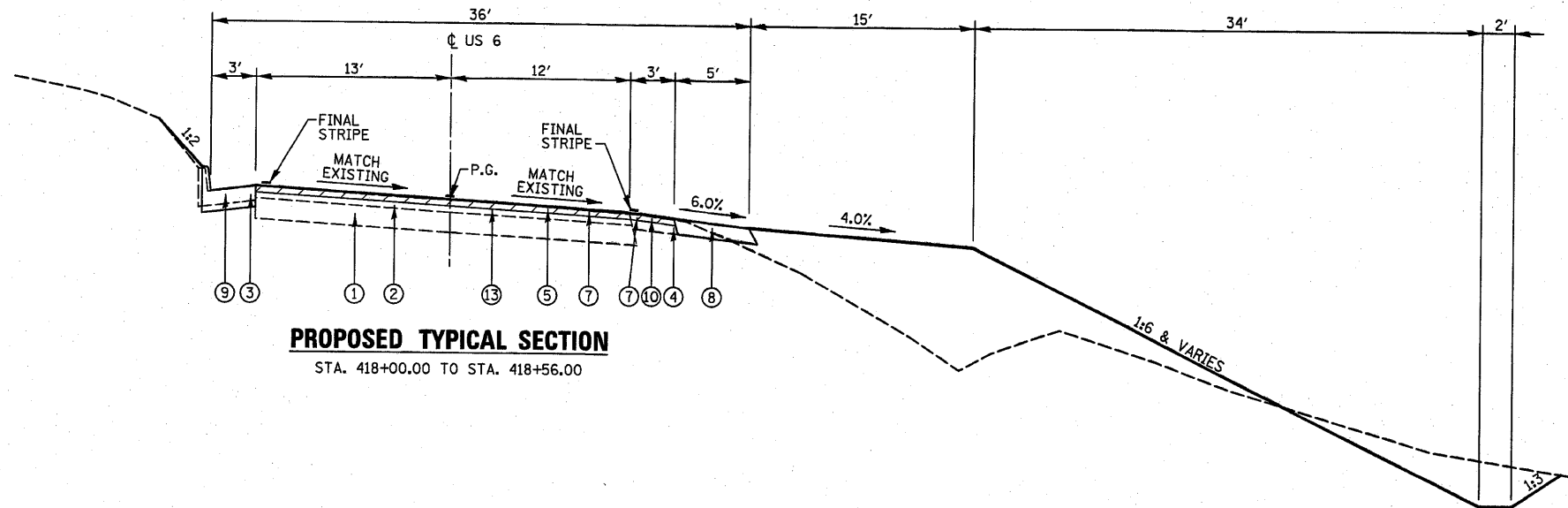
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS

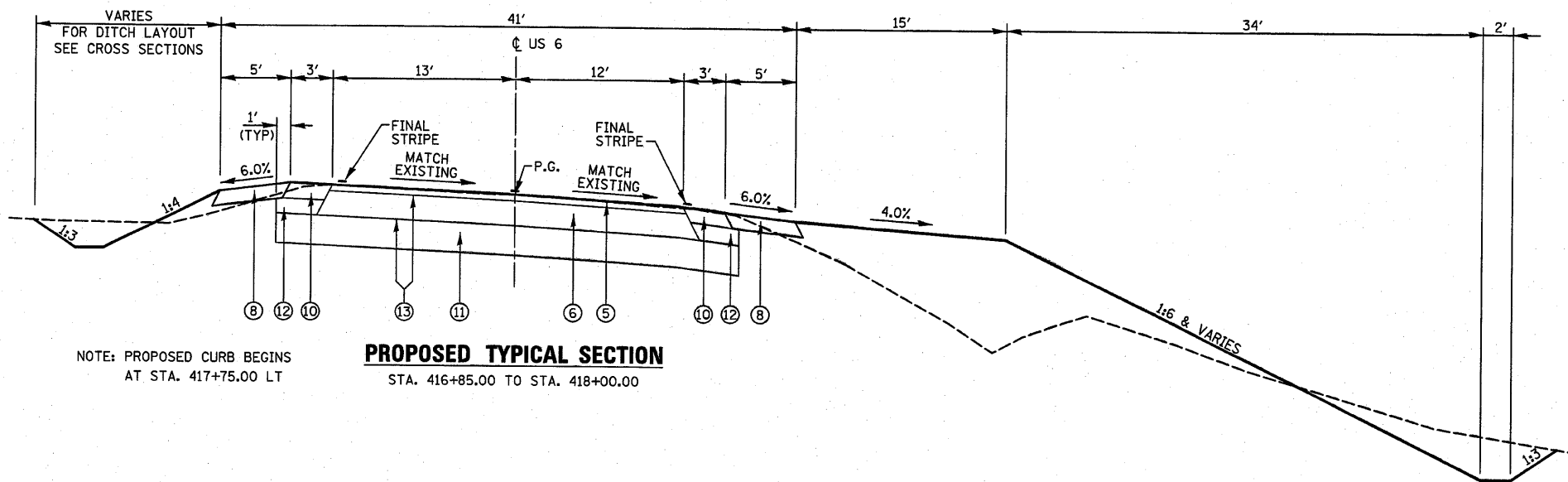
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
623	(0) BR	GRUNDY	35	4
CONTRACT NO. 66913				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



PROPOSED TYPICAL SECTION

STA. 418+00.00 TO STA. 418+56.00



PROPOSED TYPICAL SECTION

STA. 416+85.00 TO STA. 418+00.00

LEGEND

- ① EXISTING CONCRETE PAVEMENT, 8"
- ② EXISTING BITUMINOUS CONCRETE OVERLAY, 5"
- ③ EXISTING COMBINATION CURB & GUTTER B-9.36
- ④ EXISTING HOT-MIX ASPHALT SHOULDER
- ⑤ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 (1 1/2")
- ⑥ PROPOSED HOT-MIX ASPHALT LEVELING BINDER (MACHINE METHOD), N50 (3/4")
- ⑦ PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 (9")
- ⑧ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
- ⑨ PROPOSED AGGREGATE SHOULDER TYPE B, 8"
- ⑩ PROPOSED COMBINATION CURB & GUTTER, TYPE B-9.36
- ⑪ PROPOSED HOT-MIX ASPHALT SHOULDERS - (8" FULL DEPTH OR 1 1/2" SURFACE, 3/4" LEVEL BINDER)
- ⑫ PROPOSED SUB-BASE GRANULAR MATERIAL, TYPE A (12")
- ⑬ PROPOSED SUB-BASE GRANULAR MATERIAL, TYPE C
- ⑭ PROPOSED BITUMINOUS MATERIALS (PRIME COAT)

FILE NAME =	USER NAME = mkebusch	DESIGNED -	REVISED -
MA26854\WO 7 US 6 5-Lane - SN 032-008	Microstation\sheet01.dgn	DRAWN -	REVISED -
	PLOT SCALE = 28.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 6/28/2010	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
623	(0) BR	GRUNDY	35	5
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 66913	

EARTHWORK SCHEDULE

STATION	STATION	EARTH EXCAVATION 20200100 (CU YD)	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE (NOTE 1) (CU YD)	EMBANKMENT (CU YD)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (NOTE 2) 20400800 (CU YD)	CHANNEL EXCAV (NOTE 3) 20300100 (CU YD)
412+00	417+50	409	307	1864	-1557	
417+50	420+50	160	120	986	-866	
UPSTREAM OF CULVERT						20
DOWNSTREAM OF CULVERT						20
TOTAL		569	427	2,850	-2,423	40

EARTHWORK NOTES:

1. ESTIMATED SHRINKAGE FACTOR = 25%.
2. FURNISHED EXCAVATION = 2,423 CU YD.
3. SEE GENERAL NOTES FOR CHANNEL EXCAVATION LIMITS.
4. STRUCTURE EXCAVATION AND CHANNEL EXCAVATION ARE NOT INCLUDED IN EMBANKMENT QUANTITIES.

SEEDING SCHEDULE

STATION	STATION	SEEDING CL 3 25000300 (ACRE)	NITROGEN FERT NUTR 25000400 (POUND)	PHOSPHORUS FERT NUTR 25000500 (POUND)	POTASSIUM FERT NUTR 25000600 (POUND)	MULCH METHOD 2 25100115 (ACRE)	TEMP EROS CONTR SEED 28000250 (POUND)
RT 412+00	RT 415+90	0.45	41	41	41	0.45	135
LT 414+75	LT 415+04	0.03	3	3	3	0.03	9
LT 415+28	LT 418+15	0.20	18	18	18	0.20	60
RT 416+15	RT 418+52	0.36	32	32	32	0.36	108
RT 418+76	RT 420+50	0.21	19	19	19	0.21	63
TOTAL		1.25	113	113	113	1.25	375

PAVEMENT MARKING SCHEDULE

STATION	STATION	EPOXY PVT MK LINE 4 78005110 (FOOT)	EPOXY PVT MK LINE 6 78005130 (FOOT)	RAISED REFL PAVT MKR (2-WAY AMBER) 78100100 (EACH)	RAISED REF PVT MK REM 78300200 (EACH)
LT 412+00	LT 420+50	850			
RT 412+00	RT 420+50	850			
CL 412+00	CL 420+50	447	213	11	11
TOTAL		2,147	213	11	11

PAVEMENT SCHEDULE

STATION	STATION	SUB GRAN MAT A 31100100 (TON)	SUB GRAN MAT C 31101900 (TON)	BIT MATLS PR CT 40600100 (GALLON)	LEV BIND MM NSO 40600625 (TON)	HMA BC IL-19.0, NSO 40603080 (TON)	HMA SC "C" NSO 40603310 (TON)	PAVEMENT REM 44000100 (SQ YD)	HMA SURF REM 2 1/4 44000158 (SQ YD)	PAVED SHLD REMOVAL 44004250 (SQ YD)	AGGREGATE SHLDS B 8 48101600 (SQ YD)	HMA SHOULDERS 48203100 (TON)	SHOULDER RUMBLE STRIP 64200105 (FOOT)
412+00	414+50			56	29		58		694				
414+50	416+85			64	28		55		801		193	19	445
416+85	418+00	288	19	189	14	165	27	103		17	114	31	205
418+00	420+50			62	29		58		778		112	11	250
TOTAL		288	19	371	100	165	198	103	2,273	17	419	61	900

GUARDRAIL REMOVAL SCHEDULE

STATION	OFFSET	GUARDRAIL REMOV 63200310 (FOOT)
LT 416+18	LT 416+96	78
RT 416+36	RT 417+14	78
LT 417+73	LT 418+12	39
RT 417+93	RT 418+45	52
TOTAL		247

ROW MARKER SCHEDULE

STATION	OFFSET	FUR ERECT ROW MARKERS 66600105 (EACH)	REMOVE ROW MARKERS X0326372 (EACH)
RT 412+00	36.68'	1	
RT 414+00	80.0'	1	
RT 414+37.64	80.0'	1	
LT 414+50	30.84'	1	
LT 415+00	60.0'	1	
LT 415+99.86	36.78'		1
RT 417+00	80.0'	1	
RT 417+50	100.0'	1	
LT 417+63.65	60.0'	1	
RT 418+39.45	100.0'	1	
LT 418+50	34.32'	1	
RT 419+00	100.0'	1	
RT 419+14.54	34.80'		1
RT 420+50	38.15'	1	
TOTAL		12	2

TREE REMOVAL SCHEDULE

STATION	OFFSET	TREE REMOV 6 - 15 20100110 (UNIT)	TREE REMOV OVER 15 20100210 (UNIT)
415+40	50' LT	10	
415+69	50' LT	9	
415+69	48' LT	6	
416+02	50' LT	6	
416+02	32' LT	14	
416+02	32' LT	15	
416+02	32' LT	8	
416+02	32' LT	7	
416+02	32' LT	9	
416+25	35' LT	9	
416+25	32' LT	8	
416+47	48' LT	6	
416+48	30' LT	11	
416+49	29' LT	12	
416+74	44' LT	7	
416+75	44' LT	6	
416+77	39' LT	6	
416+93	32' LT	6	
417+21	38' LT	14	
417+25	36' LT	10	
417+27	43' LT		17
417+32	36' LT	9	
417+35	33' LT	6	
417+40	39' LT		21
417+51	35' LT	6	
417+56	45' LT	6	
TOTAL		206	38

FILE NAME =
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USER NAME = mkebuach
Microstation\sheeta21.dgn
PLOT SCALE = 20.0000' / IN.
PLOT DATE = 6/28/2010

DESIGNED -
DRAWN -
CHECKED -
DATE -

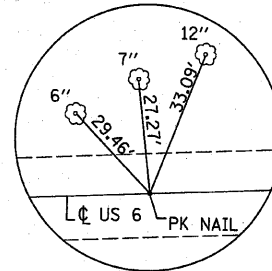
REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

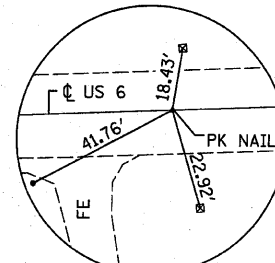
SCHEDULE OF QUANTITIES

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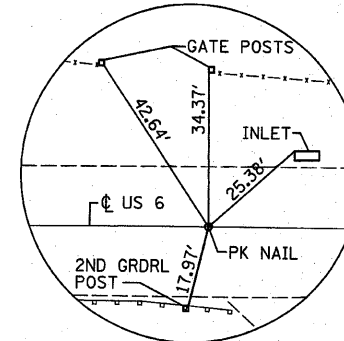
F.A.P. RTE. 623	SECTION (O) BR	COUNTY GRUNDY	TOTAL SHEETS 35	SHEET NO. 6
CONTRACT NO. 66913			FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT	



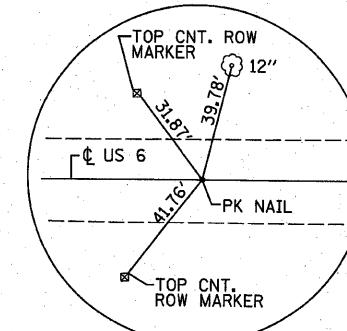
PC STA. 414+37.64
 N: 1,699,178.1756
 E: 914,525.8074



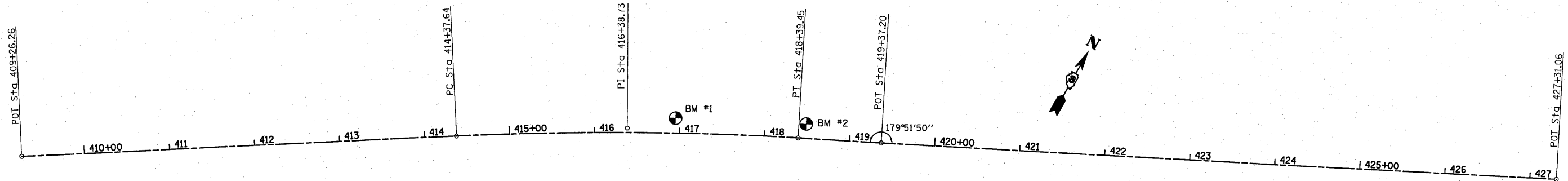
PI STA. 416+38.73
 N: 1,699,292.0282
 E: 914,691.5643



PT STA. 418+39.45
 N: 1,699,387.8470
 E: 914,868.3595



POT STA. 419+37.20
 N: 1,699,434.4207
 E: 914,954.2928



PI STA. = 416+38.73
 $\Delta = 6^\circ 01' 38''$ (RT)
 $D = 1^\circ 30' 00''$
 $R = 3,819.72'$
 $T = 201.09'$
 $L = 401.81'$
 $E = 5.29'$
 P.C. STA = 414+37.64
 P.T. STA = 418+39.45

BM #1- CHISELED SQUARE ON
 TOP OF NW WINGWALL
 STA 416+94.59, 18.23' LT
 ELEVATION = 529.78

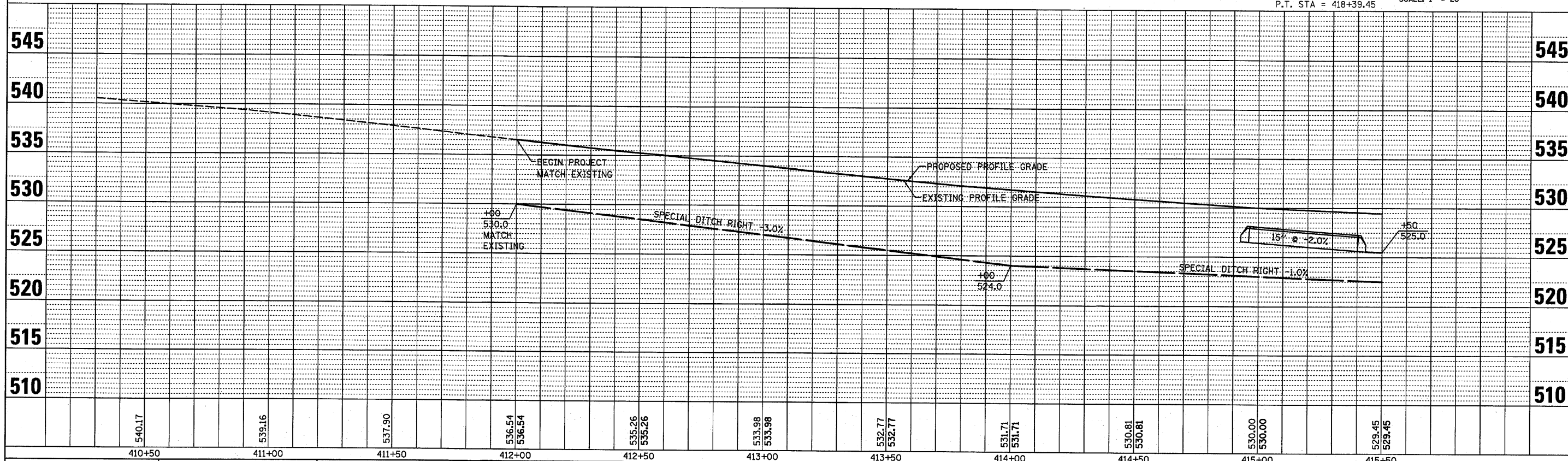
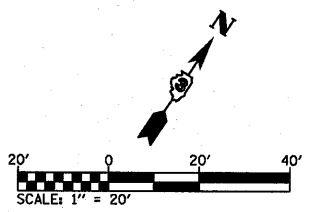
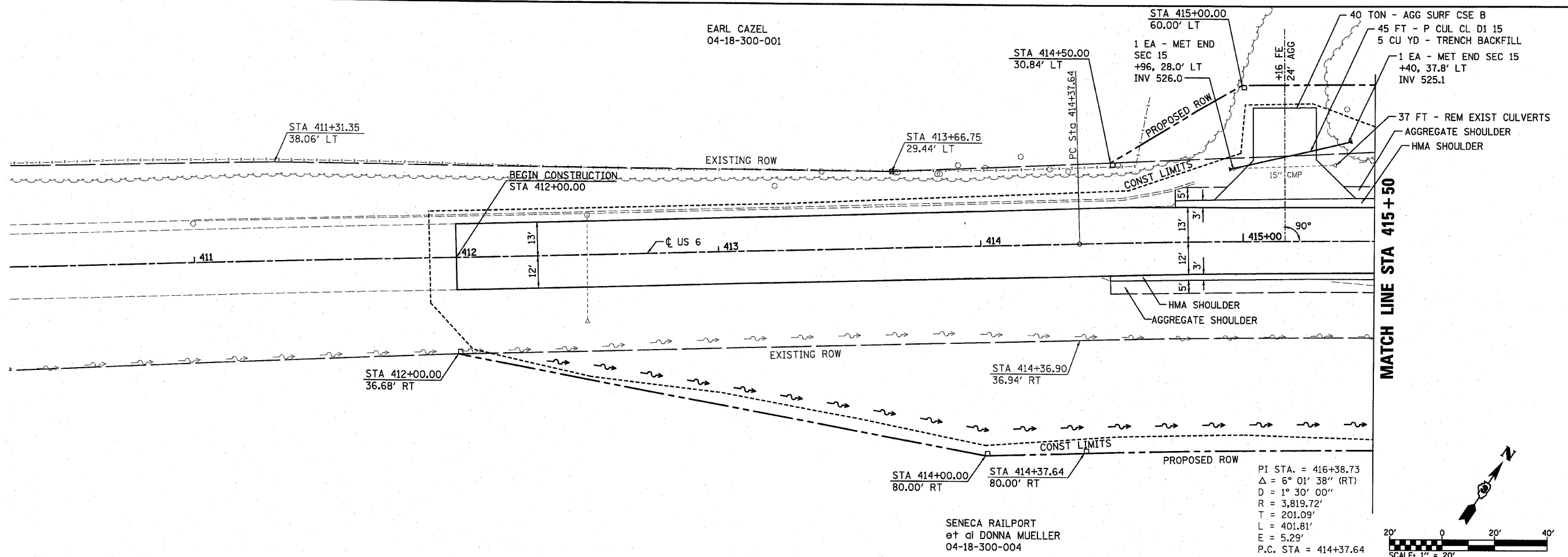
BM #2- CHISELED SQUARE
 IN TOP OF CURB
 STA 418+48.41, 16.96' LT
 ELEVATION = 529.96

FILE NAME =	USER NAME = mkebusch	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALIGNMENT & TIES				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
M:\26854\WO 7 US 6 5-Lane - SN 032-008	Microstation\sheet01.dgn	DRAWN -	REVISED -						623	(D) BR	GRUNDY	35	7
PLOT SCALE = 20.0000 / IN.	CHECKED -	REVISED -	SCALE:		SHEET NO.	OF	SHEETS	STA.	TO STA.	CONTRACT NO. 66913			
PLOT DATE = 6/22/2010	DATE -	REVISED -	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT										

DATE: _____ BY: _____
 REVIEWED: _____
 PLOTTED: _____
 ALIGNED: _____
 CHECKED: _____
 NOTE BOOK NO.: _____
 FILE NAME: _____

DATE: _____ BY: _____
 SURVEYED: _____
 GRADES CHECKED: _____
 STRUCTURE NOTATIONS CHKO: _____
 NOTE BOOK NO.: _____
 FILE NAME: _____

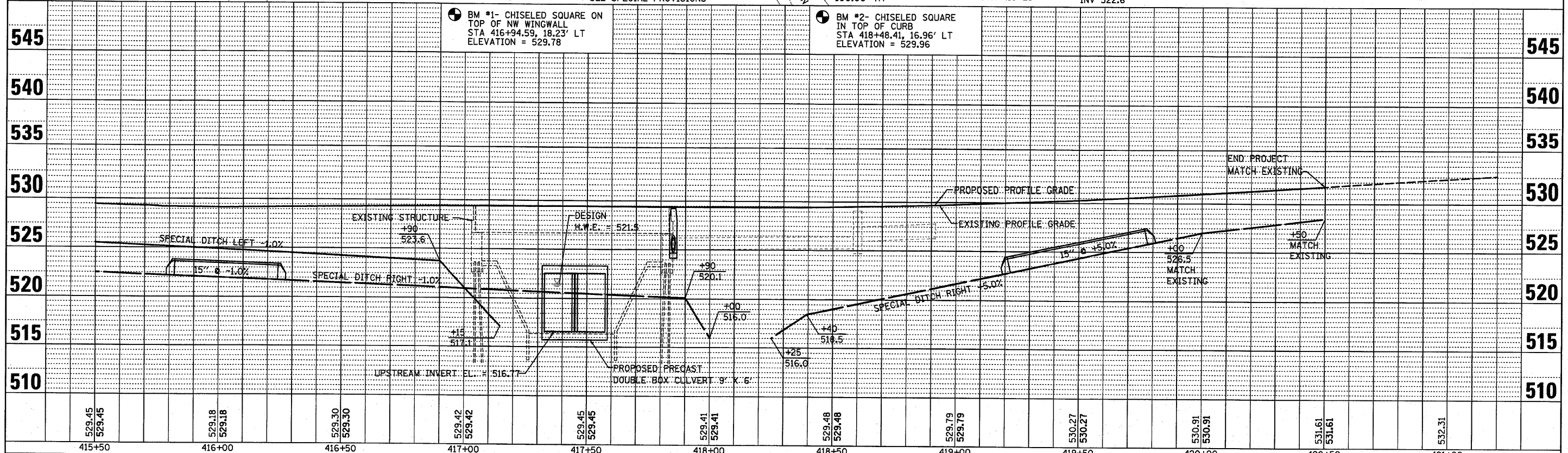
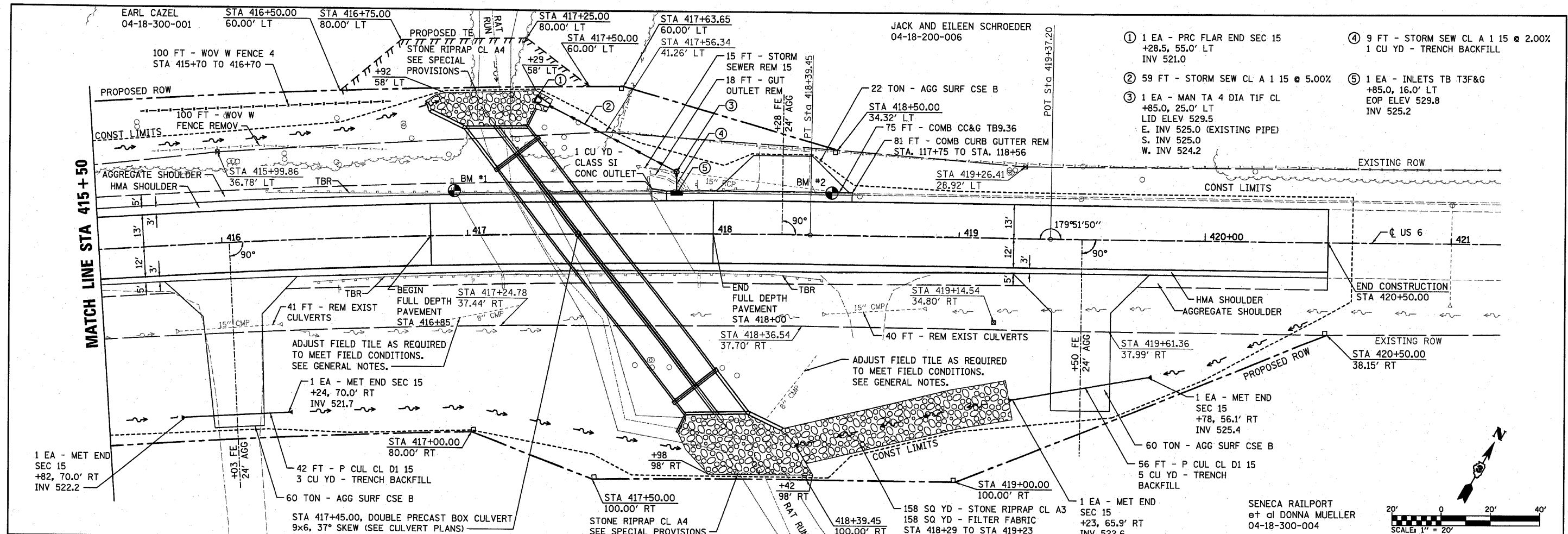
EARL CAZEL
04-18-300-001



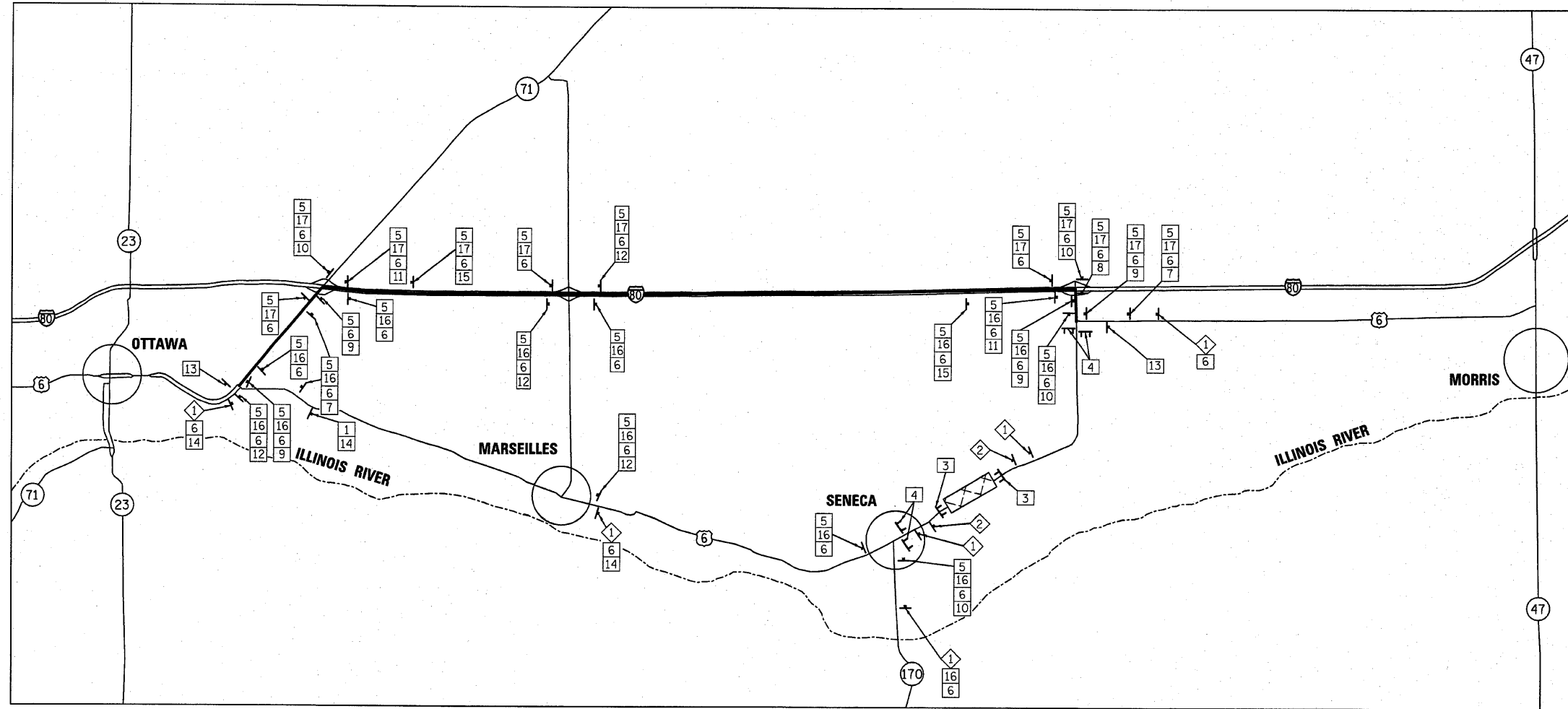
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PLOT SCALE = 20.0000' / IN.	CHECKED -	REVISED -				CONTRACT NO. 66913				
PLOT DATE = 6/24/2018	DATE -	REVISED -				FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

DATE: _____ BY: _____
 CHECKED: _____
 PLAN NO.: _____
 DATE: _____

DATE: _____ BY: _____
 CHECKED: _____
 PROFILE NO.: _____
 DATE: _____



FILE NAME = M:\26854\WD 7 US 6 5-Lane - SN 032-0084	USER NAME = moissegroser	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		PLAN & PROFILE		F.A.P. RTE. 623	SECTION (O) BR	COUNTY GRUNDY	TOTAL SHEETS 35	SHEET NO. 9
PLT SCALE = 20.0000' / IN.	CHECKED -	REVISOR -	DATE -	SCALE: 1" = 20'	SHEET NO. 2 OF 2 SHEETS	STA 415+50 TO STA 420+50	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	CONTRACT NO. 66913				






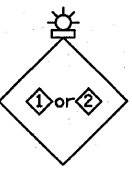
NOTES

1. ALL TRAFFIC CONTROL DEVICES SHALL BE FURNISHED, ERECTED AND MAINTAINED BY THE CONTRACTOR.
2. ALL SIGNS NOT ATTACHED TO BARRICADES SHALL BE POST MOUNTED.
3. TYPE III BARRICADES AND ROAD CLOSURE SIGNS SHALL BE POSITIONED AS SHOWN, IN ACCORDANCE WITH HIGHWAY STANDARD 701901 AND AS DIRECTED BY THE ENGINEER.
4. TYPE A LOW INTENSITY FLASHING WARNING LIGHTS SHALL BE USED ON EACH SIGN IN ADVANCE OF THE WORK DURING HOURS OF DARKNESS.
5. ALL WARNING SIGNS SHALL BE A MINIMUM OF 48" x 48" AND HAVE A BLACK LEGEND AND BORDER ON A FLUORESCENT ORANGE REFLECTORIZED BACKGROUND.
6. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ENTRANCES AT ALL TIMES.
7. ALL TYPE III BARRICADES UTILIZED FOR ROAD CLOSURES SHALL HAVE A LOW INTENSITY FLASHING LIGHT MOUNTED ON TOP OF EACH BARRICADE.
8. EXACT LOCATION OF ALL WARNING SIGNS AND BARRICADES SHALL BE STAKED IN THE FIELD FOR APPROVAL BY THE ENGINEER PRIOR TO INSTALLATION.
9. COVER CONFLICTING SIGNS. EXISTING DIRECTIONAL ARROWS MUST BE COVERED.

DETOUR

NOT TO SCALE

LEGEND

- ① W20-3(O)-48 (ROAD CLOSED AHEAD)
 - ② W20-3(O)-48 (ROAD CLOSED 500 FT)
 - ③ TYPE III BARRICADES W/ R-11-2-4830 (ROAD CLOSED) SIGN AND TYPE A LOW INTENSITY FLASHING LIGHTS
 - ④ TYPE III BARRICADES W/ R-11-4-4830 (ROAD CLOSED TO THRU TRAFFIC) SIGN AND TYPE A LOW INTENSITY FLASHING LIGHTS
 - ⑤ M4-8(O) (DETOUR)
 - ⑥ M1-4 (US ROUTE 6)
 - ⑦ M5-1(R) (ADVANCED RIGHT TURN ARROW)
 - ⑧ M5-1(L) (ADVANCED LEFT TURN ARROW)
 - ⑨ M6-1(R) (RIGHT TURN ARROW)
 - ⑩ M6-1(L) (LEFT TURN ARROW)
 - ⑪ M6-2(R) (DIAGONAL ARROW)
 - ⑫ M6-3 (STRAIGHT ARROW)
 - ⑬ M4-8(g) (END DETOUR)
 - ⑭ "1.5 MILES EAST OF SENECA"
 - ⑮ M5-2 (R) (ADVANCED DIAGONAL ARROW)
 - ⑯ M3-2 (EAST)
 - ⑰ M3-4 (WEST)
-  DETOUR ROUTE
 WORK ZONE
 TYPE A LOW INTENSITY FLASHING LIGHT
 48" x 48" FLUORESCENT ORANGE

FILE NAME = MA\26054\WD 7 US 6 5-Lane - SN 032-000
 USER NAME = mikabush
 PLOT SCALE = 20,000' / IN.
 PLOT DATE = 6/22/2010

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

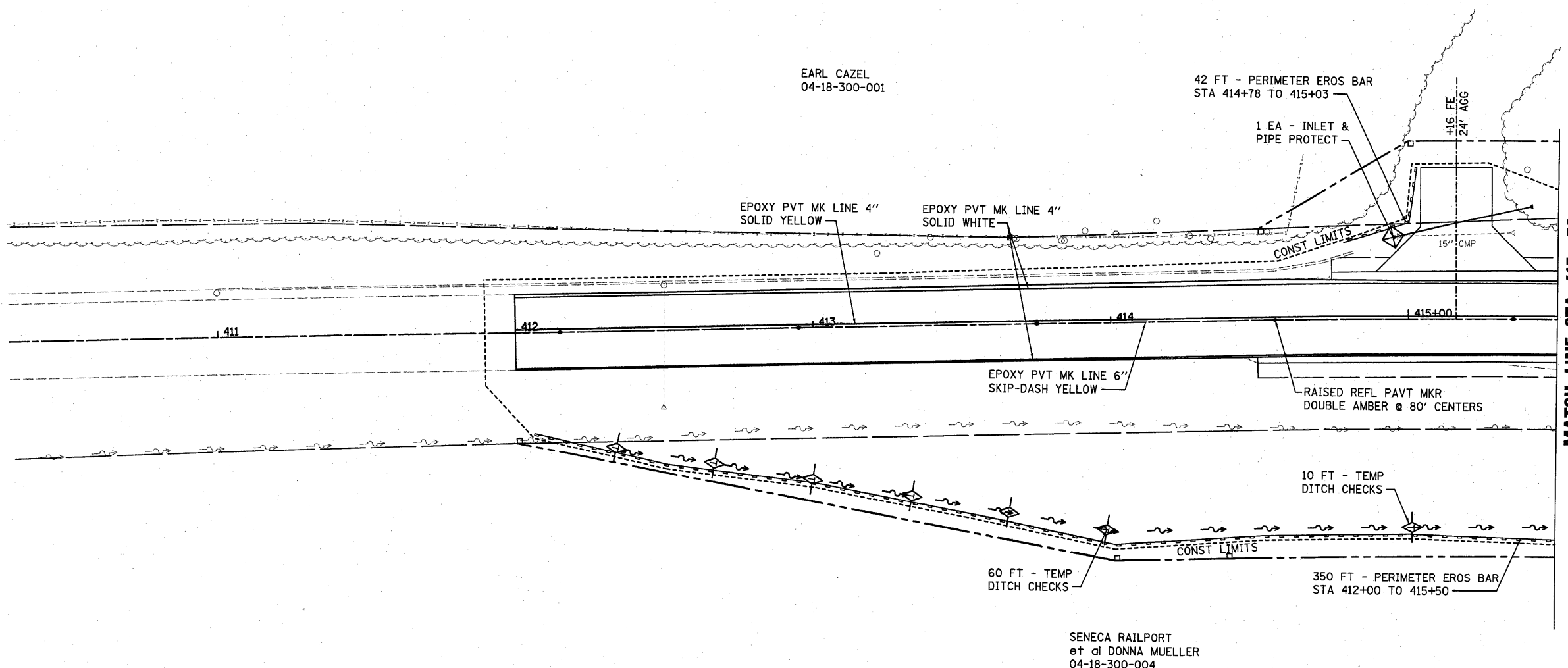
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETOUR PLAN			
SCALE:	SHEET NO.	OF	SHEETS
			STA. TO STA.

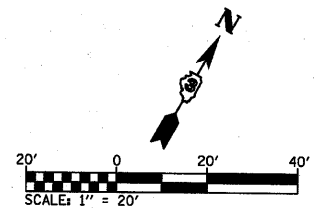
F.A.P. RTE. 623	SECTION (O) BR	COUNTY GRUNDY	TOTAL SHEETS 35	SHEET NO. 10
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 66913	

PLAN	DATE
SUBMITTED	
ALIGNMENT CHECKED	
RT. OF WAY CHECKED	
NO. /	
NO. /	

PP	DATE
FILE	
STRENGTH	
PLOTTED	
GRADES CHECKED	
STRUCTURE NOTATIONS CHKD	
NO. /	
NO. /	



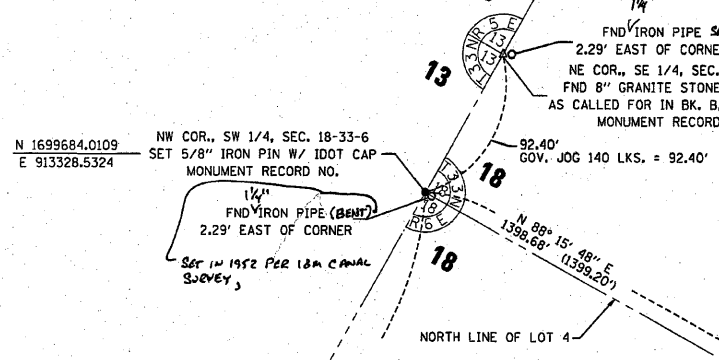
NOTE: SEE HIGHWAY STANDARD 000001 FOR LANDSCAPING AND EROSION CONTROL LEGEND.



FILE NAME = M:\26054\WD 7 US 6 5-Lane - SN 032-004	USER NAME = mikebusch Microstation\sheeta04.dgn	DESIGNED - DRAWN -	REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EROSION CONTROL & PAVEMENT MARKINGS	F.A.P. RTE. 623	SECTION (0) BR	COUNTY GRUNDY	TOTAL SHEETS 35	SHEET NO. 11	
	PLOT SCALE = 28.0000 / / IN. PLOT DATE = 6/24/2018	CHECKED - DATE -	REVISED - REVISED -			SCALE:	SHEET NO. 1 OF 2 SHEETS	STA 412+00 TO STA 415+50	CONTRACT NO. 66913		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

US RTE 6
 CURVE DATA
 PI STA. = 416+38.73
 $\Delta = 6^{\circ} 01' 38''$ (RT)
 D = 1° 30' 00"
 R = 3,819.72'
 T = 201.09'
 L = 401.81'
 E = 5.29'
 P.C. STA. = 414+37.64
 P.T. STA. = 418+39.45

SEC. 18, T. 33 N., R. 6 E., 3RD P.M.



PARCEL 3WF0001

EARL E. CAZEL, et al
 TOTAL HOLDING = 26.870 AC. ±
 TOTAL R.O.W. REQUIRED = 0.320 AC. ±
 AREA IN EX. R.O.W. = 0.164 AC. ±
 NET R.O.W. REQ'D. = 0.156 AC. ±
 REMAINDER = 26.550 AC. ±
 TEMPORARY EASEMENT = 0.035 AC. ±
 PURPOSE: CHANNEL GRADING & SHAPING

LOT 4

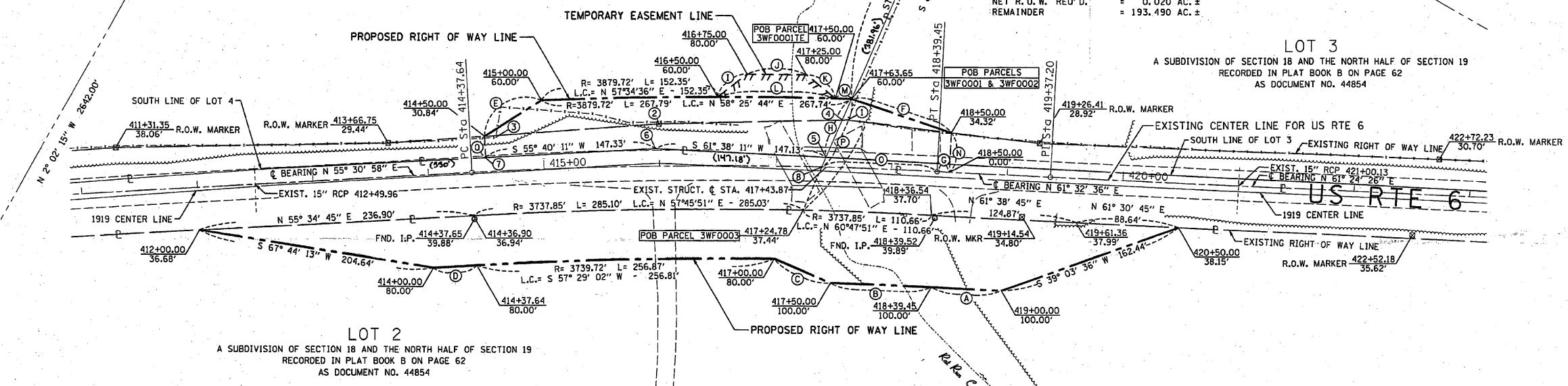
A SUBDIVISION OF SECTION 18 AND THE NORTH HALF OF SECTION 19
 RECORDED IN PLAT BOOK B ON PAGE 62
 AS DOCUMENT NO. 44854

PARCEL 3WF0002

JACK F. SCHROEDER, et ux
 TOTAL HOLDING = 193.600 AC. ±
 TOTAL R.O.W. REQUIRED = 0.110 AC. ±
 AREA IN EX. R.O.W. = 0.090 AC. ±
 NET R.O.W. REQ'D. = 0.020 AC. ±
 REMAINDER = 193.490 AC. ±

LOT 3

A SUBDIVISION OF SECTION 18 AND THE NORTH HALF OF SECTION 19
 RECORDED IN PLAT BOOK B ON PAGE 62
 AS DOCUMENT NO. 44854



PARCEL 3WF0003

SENECA I-80 RAILPORT, LLC, et al
 TOTAL HOLDING = 125.680 AC. ±
 TOTAL R.O.W. REQUIRED = 0.769 AC. ±
 REMAINDER = 124.911 AC. ±

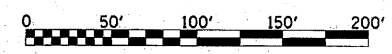
SURVEYOR'S STATEMENT

I, CURT A. BENDER, HEREBY CERTIFY THAT I AM A PROFESSIONAL LAND SURVEYOR OF THE STATE OF ILLINOIS, THAT THE SURVEY OF F.A.P. 623 (US ROUTE 6) WAS MADE BY WILLET HOFMANN & ASSOCIATES, INC. UNDER MY DIRECTION, AT THE REQUEST OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION, DISTRICT 3, AND THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT ALL MONUMENTS AND MARKS ARE OF THE CHARACTER AND OCCUPY THE POSITION SHOWN THEREON, AND ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

CURT A. BENDER, ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3688 (EXPIRES NOVEMBER 2010)
 WILLET, HOFMANN & ASSOCIATES, INC. - DESIGN FIRM NO. 184-000918

- LEGEND -
- (A) = S 61° 32' 36" W 60.55'
 - (B) = R = 3719.72' L = 87.11' L.C. = S 60° 52' 21" W - 87.11'
 - (C) = S 82° 06' 10" W 52.76'
 - (D) = S 55° 30' 58" W 37.64'
 - (E) = N 26° 06' 49" E 58.39'
 - (F) = N 77° 26' 01" E 91.02'
 - (G) = S 61° 32' 36" W 10.55'
 - (H) = S 8° 04' 49" E 55.56'
 - (I) = N 20° 44' 09" E 32.37'
 - (J) = N 59° 27' 06" E 51.05'
 - (K) = S 81° 49' 58" E 32.37'
 - (L) = R = 3879.72' L = 101.57' L.C. = S 59° 27' 06" W - 101.57'
 - (M) = R = 3879.72' L = 13.87' L.C. = S 60° 18' 14" W - 13.87'
 - (N) = S 28° 27' 24" E 34.32'
 - (O) = R = 3819.72' L = 99.48' L.C. = S 60° 47' 50" W - 99.48'
 - (P) = N 8° 04' 49" W 64.57'
 - (Q) = N 34° 17' 54" W 18.62'
- (1) = STA. 417+60.89 OFFSET 41.49'
 - (2) = STA. 415+99.86 OFFSET 36.78' R.O.W. MARKER
 - (3) = STA. 414+59.55 OFFSET 29.42'
 - (4) = STA. 417+56.34 OFFSET 41.26'
 - (5) = STA. 417+43.32 OFFSET 8.36' SE CORNER LOT 4
 - (6) = STA. 415+96.79 OFFSET 15.13'
 - (7) = STA. 414+50.00 OFFSET 12.21'
 - (8) = STA. 417+39.97 OFFSET 0.00'

PRE-FINAL



NOTE: FOR THE PURPOSE OF THIS PLAT, BEARINGS ARE BASED UPON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, (NAD-83, 2007 ADJ.).

WILLET, HOFMANN & ASSOCIATES, INC.
 CONSULTING ENGINEERS
 Land Surveying - Transportation - Structural
 Environmental - Architecture
 809 East Second Street Dixon, Illinois 61021
 Phone 815.284.3381 Fax 815.284.3385
 Design Firm #154-000918
 www.willett-hofmann.com

IDOT SURVEY BOOK #161, 161A, FAP 623-13-1

FILE NAME	USER NAME = #USER#	DESIGNED -	REVISED -
#FILE#		DRAWN -	REVISED -
PLOT SCALE = #SCALE#		CHECKED - C B	REVISED -
PLOT DATE = #DATE#		DATE	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RIGHT OF WAY PLANS	
PROJECT	JOB NO. R-93-012-10
SHEET NO. 1 OF 1 SHEETS	STA. 412+00.00 TO STA. 420+50.00
SCALE: 1" = 50'	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
623	(0) BR	GRUNDY	35	13
US ROUTE 6		CONTRACT NO.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

S:\PROJECTS\2010\10181010-3-115-6-21\SURVEY\8103101-SUR-RHWPL-AJZDN calculations by J.R. drawn by B.F.

B.M.: Chiseled "□" on top of N.W. wingwall, Sta. 416+94.59, 18.23' Lt.
Elev. 529.78

Existing Structure: SN 032-0084 was originally constructed in 1980 as Section 0-BR-1. The superstructure consists of a single span of 33" precast prestressed concrete deck beams on concrete pile bent abutments. The back-to-back abutments dimension measures 82'-0" while the out-to-out width measures 33'-0". The existing superstructure and substructure shall be removed according to Section 501 of the Standard Specifications. A traffic detour will be used during the construction of the culvert.

No salvage

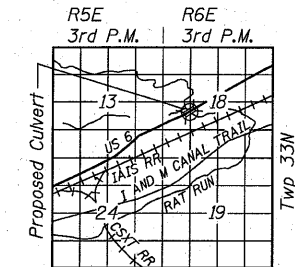
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS

Sheet No.	Description
1	General Plan
2	General Notes & Structure Details
3	Structure Details
4	Boring Logs

CURVE DATA

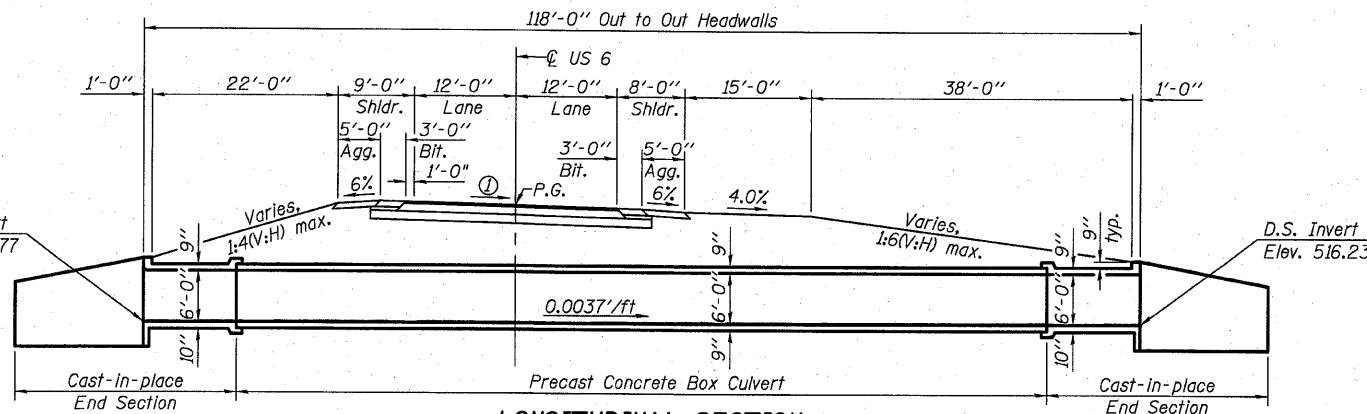
$\Delta = 6^{\circ}01'38''$ (Rt.)
 $D = 1^{\circ}30'00''$
 $T = 201.09'$
 $L = 401.81'$
 $E = 5.29'$
 $R = 3,819.72'$
 $S.E. = \text{①}$
 $P.C. = \text{Sta. } 414+37.64$
 $P.T. = \text{Sta. } 418+39.45$
 $P.I. = \text{Sta. } 416+38.73$



LOCATION SKETCH

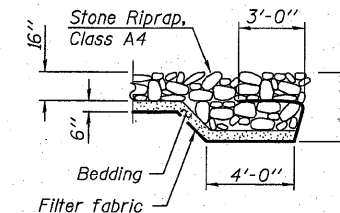
STATION 417+45
 BUILT 20__ BY
 STATE OF ILLINOIS
 F.A.P. RTE. 623 SEC. (O) BR
 LOADING HS20
 STRUCTURE NO. 032-2020

NAME PLATE
 See Std. 515001

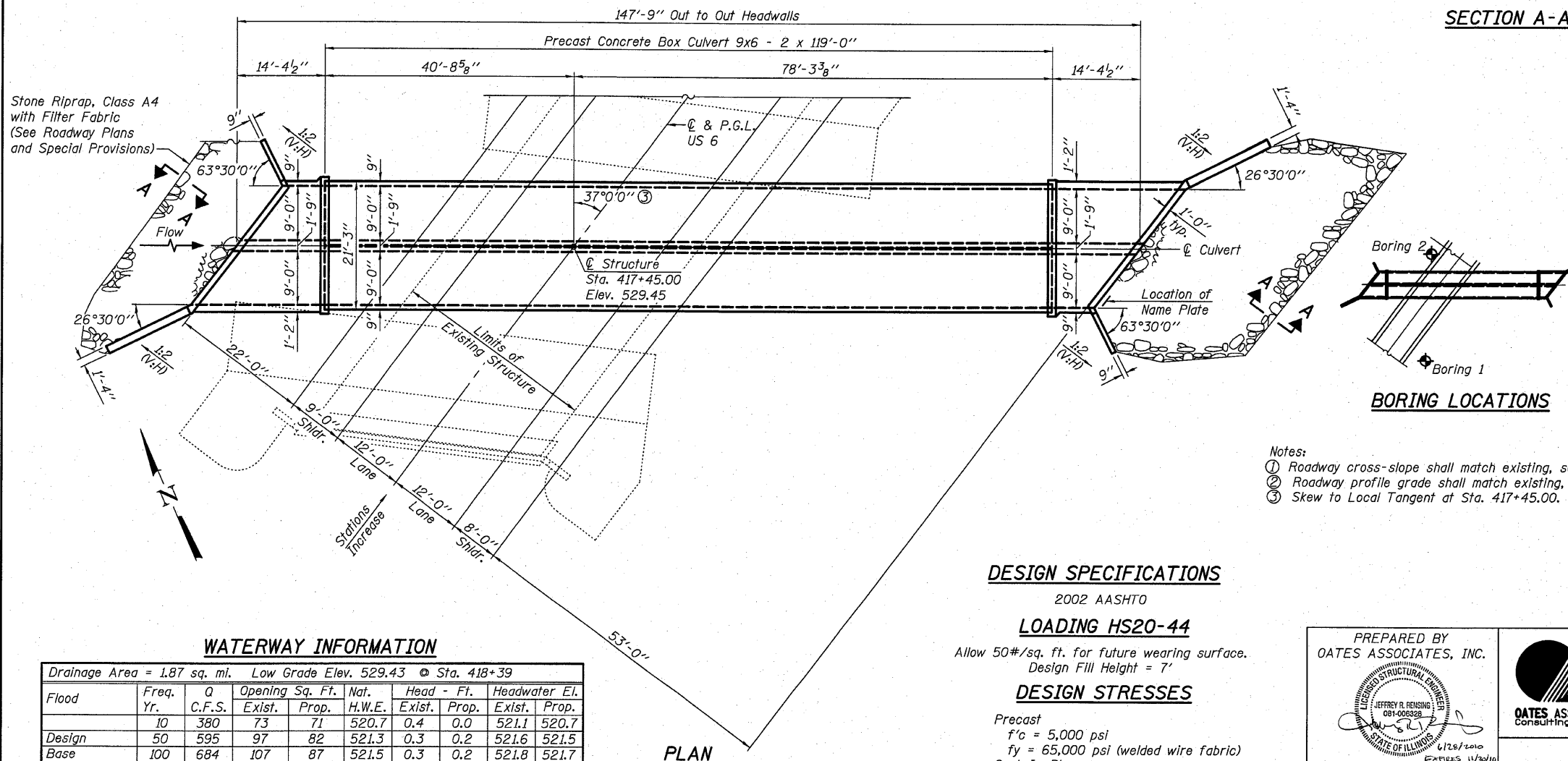


LONGITUDINAL SECTION

(Dimensions are at right angles to \perp Roadway)



SECTION A-A



PLAN

TOTAL BILL OF MATERIAL

Item	Unit	Total
Porous Granular Embankment	Cu. Yd.	1133
Porous Granular Embankment, Special	Cu. Yd.	205
Stone Riprap, Class A4	Sq. Yd.	181
Filter Fabric	Sq. Yd.	181
Removal of Existing Structures	Each	1
Structure Excavation	Cu. Yd.	966
Reinforcement Bars	Pound	21,840
Name Plates	Each	1
Concrete Box Culverts	Cu. Yd.	90.0
Precast Concrete Box Culvert 9'x6'	Foot	238
Asbestos Bearing Pad Removal	Each	22

- Notes:
 ① Roadway cross-slope shall match existing, see roadway plans.
 ② Roadway profile grade shall match existing, see roadway plans.
 ③ Skew to Local Tangent at Sta. 417+45.00.

DESIGN SPECIFICATIONS

2002 AASHTO

LOADING HS20-44

Allow 50#/sq. ft. for future wearing surface.
 Design Fill Height = 7'

DESIGN STRESSES

Precast
 $f'c = 5,000$ psi
 $f_y = 65,000$ psi (welded wire fabric)
 Cast-In-Place
 $f'c = 3,500$ psi
 $f_y = 60,000$ psi (reinforcement)

WATERWAY INFORMATION

Drainage Area = 1.87 sq. mi. Low Grade Elev. 529.43 @ Sta. 418+39

Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft.		Nat. H.W.E.		Head - Ft.		Headwater El.	
			Exist.	Prop.	Exist.	Prop.	Exist.	Prop.	Exist.	Prop.
Design	10	380	73	71	520.7	0.4	0.0	521.1	520.7	
Base	50	595	97	82	521.3	0.3	0.2	521.6	521.5	
Overtopping	100	684	107	87	521.5	0.3	0.2	521.8	521.7	
Max. Calc.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	500	902	136	98	522.2	0.2	0.6	522.4	522.8	

GENERAL PLAN
 US 6 OVER RAT RUN
 FAP ROUTE 623 - SECTION (O) BR
 GRUNDY COUNTY
 STATION 417+45.00
 STRUCTURE NO. 032-2020

PREPARED BY
 OATES ASSOCIATES, INC.

Eastport Business Center 1
 100 Lanter Court, Suite 1
 Collinsville, Illinois 62234
 618-345-2200
 Design Firm License No. 184.001115

DESIGNED JAD
 CHECKED NEL
 DRAWN JAD
 CHECKED NEL

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
623	(O) BR	GRUNDY	35	14

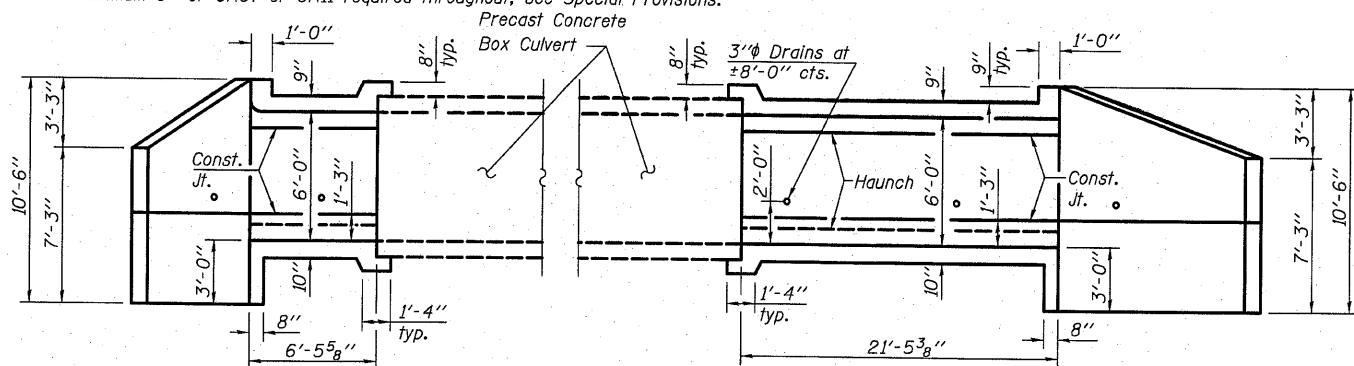
SHEET NO. 1
 4 SHEETS

CONTRACT NO. 66913
 ILLINOIS FED. AID PROJECT

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

- ① Precast Concrete Box Culvert sections shall conform to the requirements of Article 540.06 of the Standard Specifications and the applicable requirements of AASHTO M 259.
- ② Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. See Special Provisions.
- ③ Lifting holes shall be filled with concrete plugs and mastic after box sections are in place.
- ④ Fill space between boxes with class SI Concrete in accordance with Article 540.06 of the Standard Specifications. Cost included with Precast Concrete Box Culvert 9'x6'.
- ⑤ Porous Granular Embankment shall extend the entire length of the box, maintaining 2' of earth above the Porous Granular Embankment outside of the roadway shoulders.
- ⑥ Minor grading will be required in order to align the existing creek with the proposed structure. All grading should be completed within ROW as directed by the Engineer in the field. Excavation shall be paid for as Earth Excavation and backfill shall be paid for as Furnished Excavation, see Roadway Plans.
- ⑦ Excavation and placement of 1'-0" bedding material may be omitted if competent shale is encountered, minimum 6" of CA07 or CA11 required throughout, see Special Provisions.

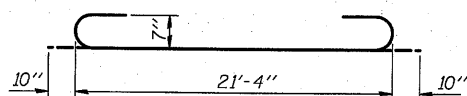


SHORT EXTERIOR WALL ELEVATION

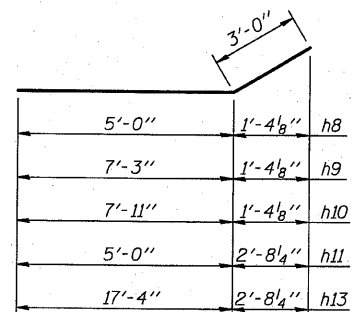
(Dimensions shown are parallel to ϕ Culvert)

LONG EXTERIOR WALL ELEVATION

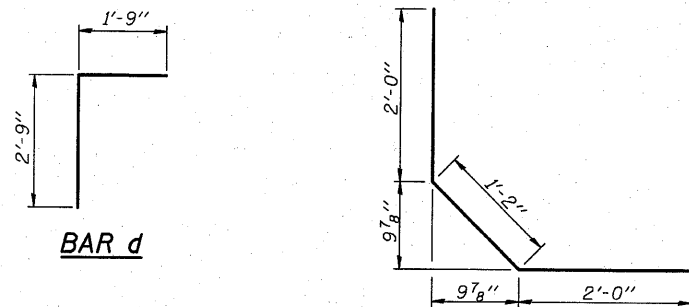
(Dimensions shown are parallel to ϕ Culvert)



BAR a



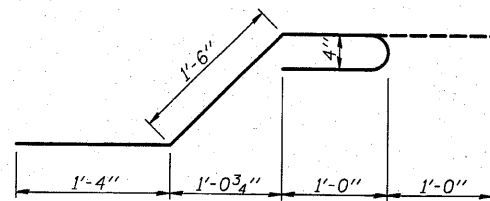
BARS h8, h9, h10, h11 & h13



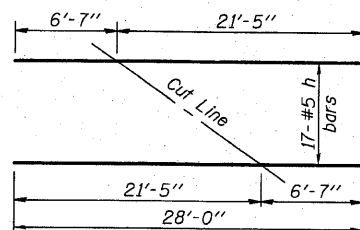
BAR d

BAR d1

BARS h12

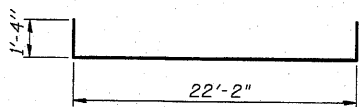


BAR x

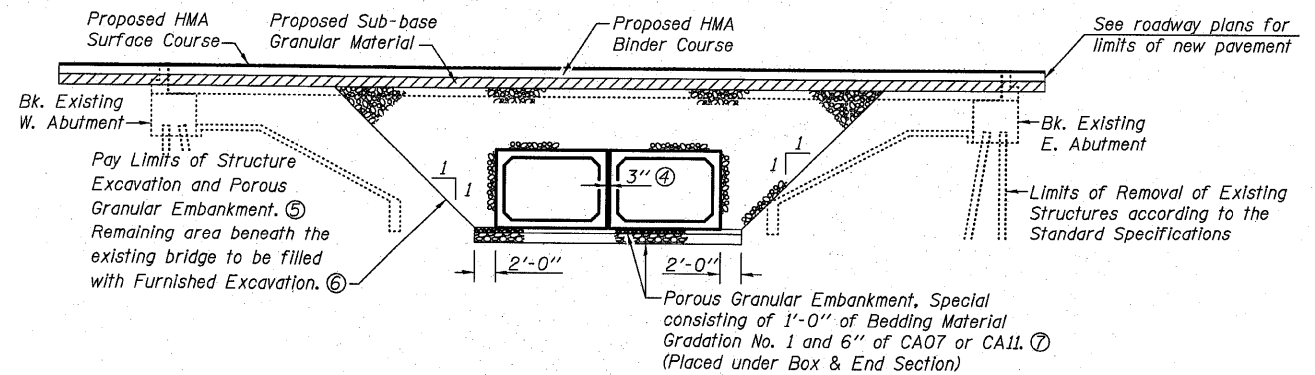


CUTTING DIAGRAM h BARS

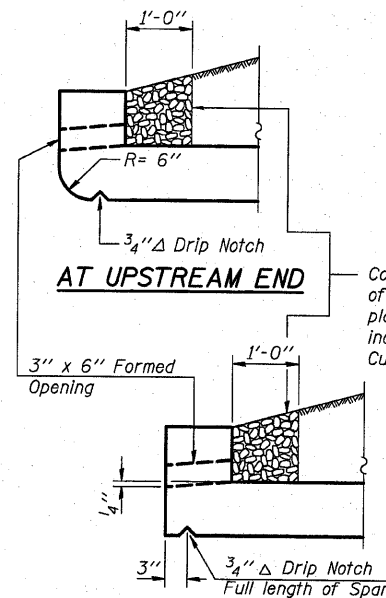
Order h Bars full length. Cut bars as shown and use remainder of bars in opposite face of slab.



BAR x1



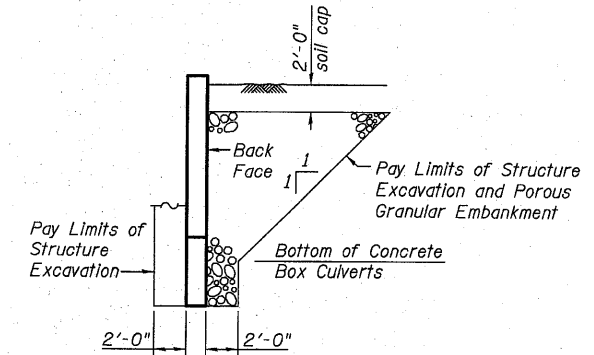
DOUBLE 9' x 6' PRECAST CONCRETE BOX CULVERT SECTION THRU BARREL



AT UPSTREAM END


AT DOWNSTREAM END

DRAIN DETAIL

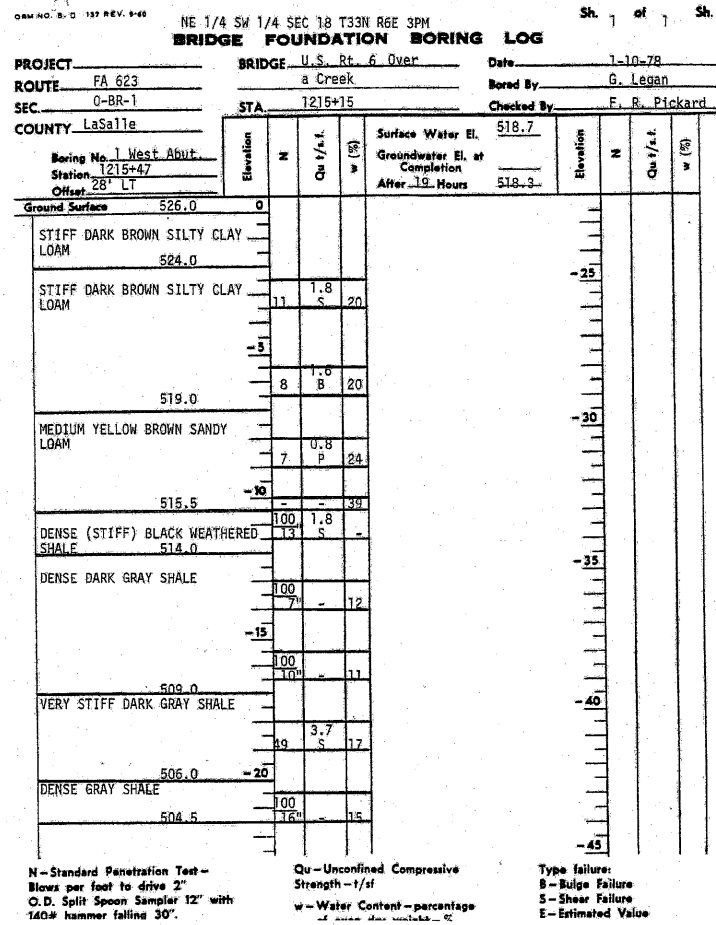


SECTION THRU WINGWALL

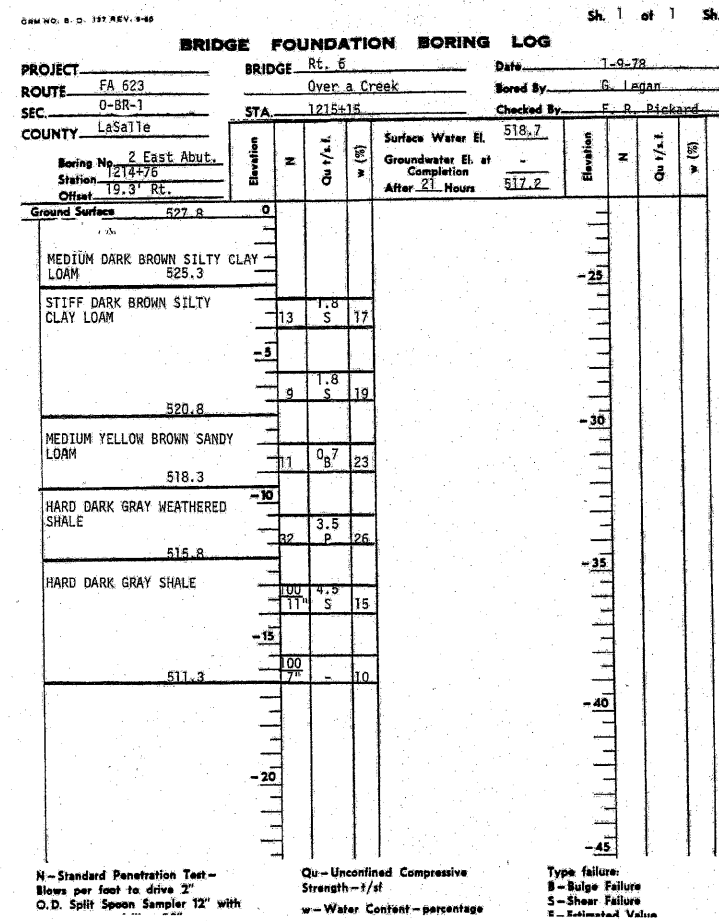
GENERAL NOTES & STRUCTURE DETAILS
STRUCTURE NO. 032-2020

 QATES ASSOCIATES Consulting Engineers	Eastport Business Center 1 100 Lanter Court, Suite 1 Collinsville, Illinois 62234 618-345-2200 Design Firm License No. 184.001115		DESIGNED JAD CHECKED NEL DRAWN JAD CHECKED NEL	
	SHEET NO. 2 4 SHEETS	F.A.P. RTE. 623	SECTION (0) BR	COUNTY GRUNDY
CONTRACT NO. 66913 ILLINOIS FED. AID PROJECT				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION




Current location: Sta. 416+90.18, 28' Rt.



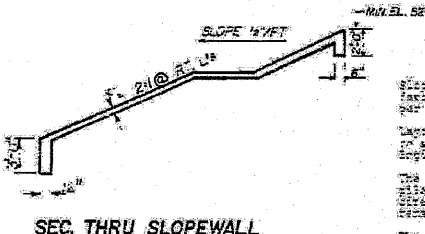
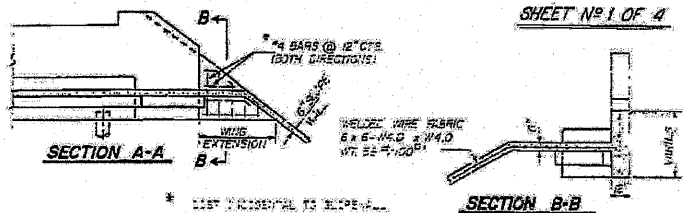
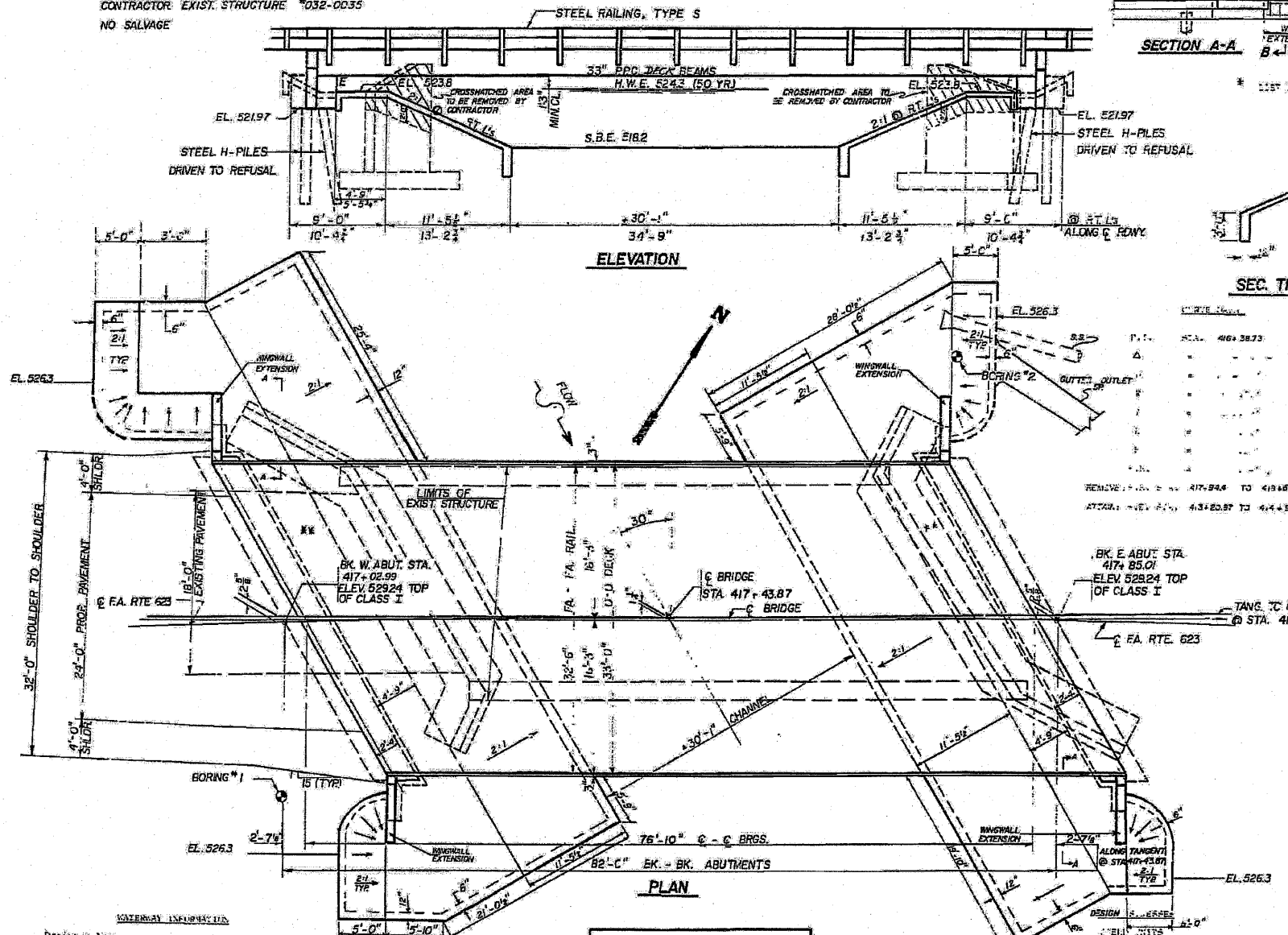
Current location: Sta. 417+61.18, 19.3' Lt.

BORING LOGS
ORIGINAL (1978)
STRUCTURE NO. 032-2020

 QATES ASSOCIATES Consulting Engineers Eastport Business Center 1 100 Lanter Court, Suite 1 Collinsville, Illinois 62234 618-345-2200 Design Firm License No. 184.001115	DESIGNED	JAD			
	CHECKED	NEL			
	DRAWN	JAD			
	CHECKED	NEL			
SHEET NO. 4	F.A.P. RTE. 623	SECTION (0) BR	COUNTY GRUNDY	TOTAL SHEETS 35	SHEET NO. 17
4 SHEETS			CONTRACT NO. 66913		
ILLINOIS FED. AID PROJECT					

BM - "0" TOP OF SOUTHWEST WINGWALL 17' RT.
STATION 417+22 ELEV. 529.36

EXISTING STRUCTURE: @ OLD STATION 1215+15 BUILT IN 1920 AS FA. PROJ. 7, SECTION C. EXISTING R.C. THRU GIRDER SUPERSTRUCTURE AND REQUIRED PARTS OF THE R.C. CLOSED ABUTMENTS TO BE REMOVED BY CONTRACTOR. EXIST. STRUCTURE #032-0035
NO SALVAGE

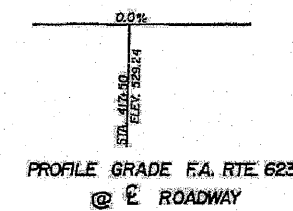
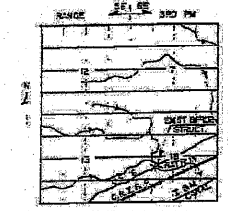


GENERAL NOTES

See special provisions for existing work.
Slope shall be 2:1 unless otherwise noted.
Slopes shall be protected with rip-rap or other suitable material.
Slopes shall be maintained as shown on the drawings.
The contractor shall be responsible for the stability of the slopes.
The top surface of the bridge shall be finished to the existing grade.
The contractor shall be responsible for the removal of the existing structure.
All reinforcement shall be placed in the concrete.
All structural steel shall be shop primed with two coats of zinc rich epoxy paint.

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
BITUMINOUS CONCRETE SURFACE COURSE, CLASS 1, 1 1/2\"/>				

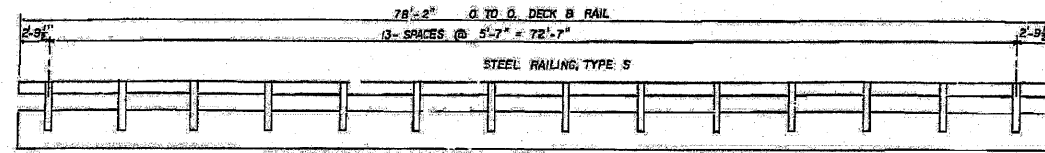


GENERAL PLAN & ELEVATION PROJECT
FA. RTE. 623 (U.S. RTE. 6)
SECTION 0-BR-1
GRUNDY COUNTY
STATION 417+43.87

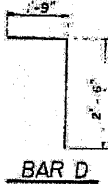
STATION 417+43.87
BUILT 1979 BY
STATE OF ILLINOIS
FA. RT. 623 SEC. 0-BR-1
LOADING HS 20
STR. NO. 032-

NAME PLATE LETTERING
SEE STC. 2/13

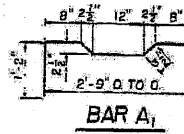
Drainage Area
Design Discharge
Existing Openings
Required Openings
Pavement Grading
Crested Height
Crested Height
Crested Height
Crested Height



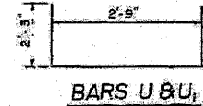
ELEVATION



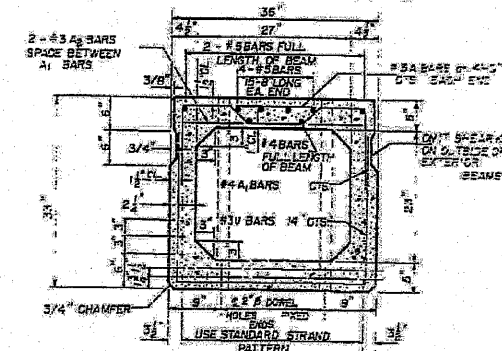
BAR D



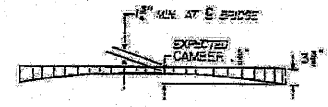
BAR A1



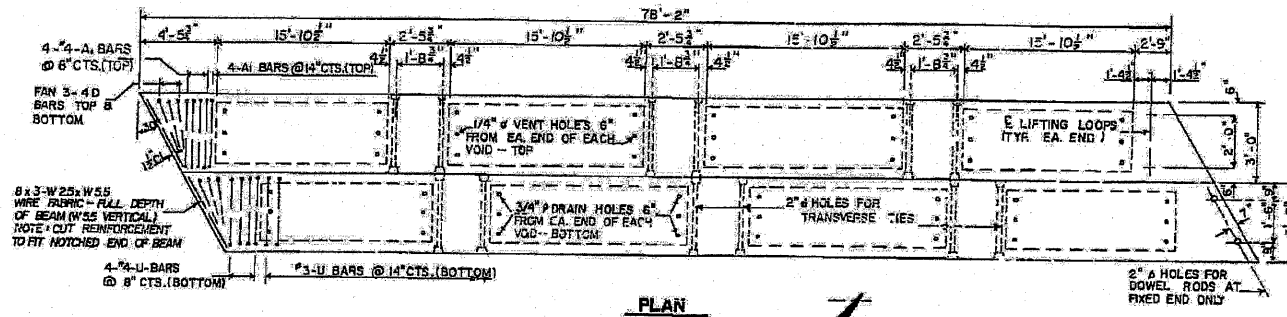
BARS U & U1



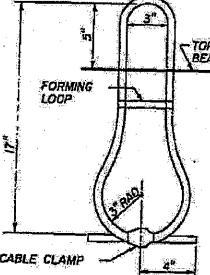
TYPICAL SECTION THRU 33" X 36" BEAM
17-7 WIRE - 1/2" Ø STRANDS, EACH STRAND STRESSED TO 22,500 LBS.
3 STRANDS | 3/4" UP, 5 STRANDS 3/4" UP AND 2 STRANDS 5/8" UP



BITUMINOUS SURFACE PROFILE

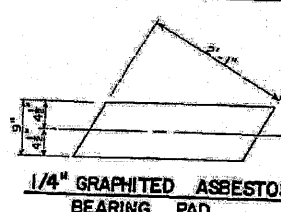


PLAN

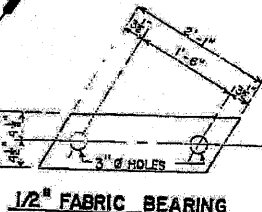


DETAIL OF LIFTING LOOPS

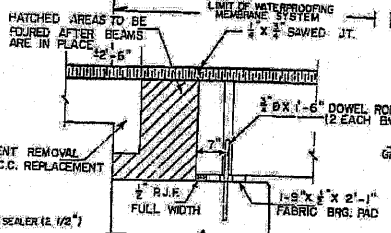
LIFTING LOOPS SHALL BE 6X25 CLASS WIRE 3/4" Ø ROPE WITH FIBER CORE. MIN. ULTIMATE TENSILE STRENGTH SHALL BE 46,000 LBS.



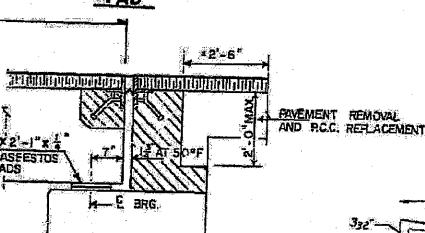
1/4" GRAPHITED ASBESTOS BEARING PAD



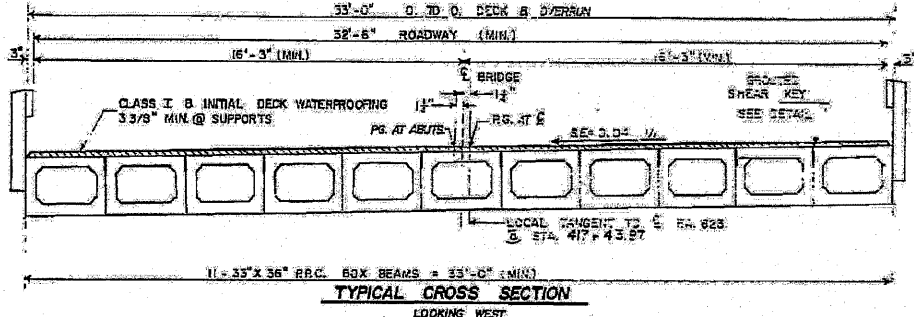
1/2" FABRIC BEARING PAD



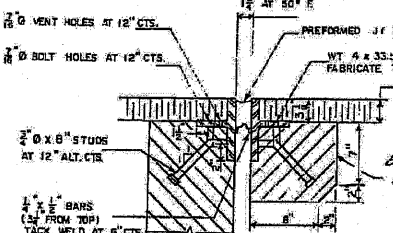
SEC. THRU EAST ABUT. (FIXED)



SEC. THRU WEST ABUT. (EXPANSION)

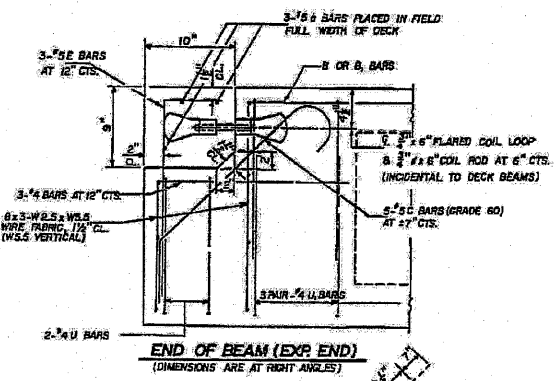


TYPICAL CROSS SECTION
LOOKING WEST

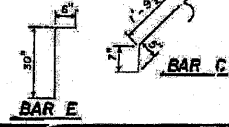


PREFORMED JT. SEALER

HATCHED AREAS TO BE POURED AFTER BEAMS HAVE BEEN ERECTED AND JOINTS GROUTED



END OF BEAM (EXP. END)
(DIMENSIONS ARE AT RIGHT ANGLES)



BAR C

BAR E

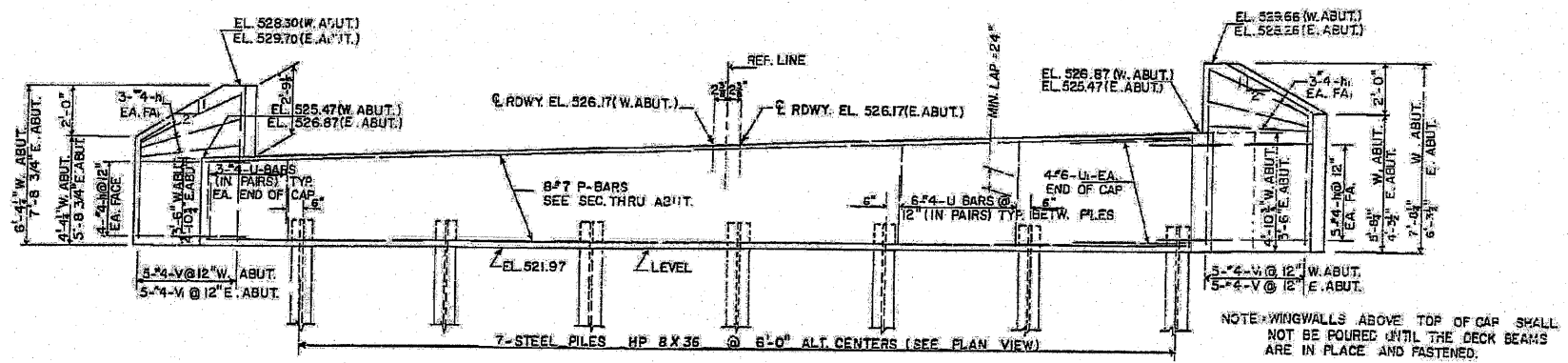
GENERAL NOTES

PRESTRESSING STEEL SHALL BE NON-GALVANIZED HIGH STRENGTH STRESS-RELIEVED 7-WIRE STRAND, GRADE 270. THE NOMINAL DIAMETER SHALL BE 1/2" AND THE NOMINAL CROSS-SECTIONAL AREA SHALL BE 0.153 SQUARE INCH.
THE 1" Ø RODS IN THE TRANSVERSE TIE ASSEMBLY SHALL BE TIGHTENED TO A SNUG FIT AND THE THREADS SET.
POCKETS THAT RECEIVE TRANSVERSE TIE BAR ON OUTSIDE BEAM SHALL BE FILLED WITH GROUT AFTER TRANSVERSE TIE ASSEMBLY IS IN PLACE.
LONGITUDINAL SHEAR KEYS SHALL BE DRY BACKED WITH 2:1 SAND AND P.C. MORTAR.
AFTER BEAMS HAVE BEEN ERECTED, HOLES FOR DOWEL ANCHORS SHALL BE DRILLED INTO THE SUBSTRUCTURE AND THE ANCHOR DOWELS SHALL BE GROUTED IN PLACE.
COST OF REINFORCEMENT AND ACCESSORIES CASTED INTO BEAM, OF BEARING PADS, OF FURNISHING AND ASSEMBLING TRANSVERSE TIES, OF FURNISHING, DRILLING AND GROUTING DOWEL HOLES, AND OF GROUTING LONGITUDINAL SHEAR KEYS IS INCLUDED IN UNIT PRICE BID FOR "PRECAST PRESTRESSED CONCRETE BRIDGE DECK".
REINFORCING BARS SHALL CONFORM TO A.A.A.S.T.Y.O. A-31 OR A-33, GRADE 60.

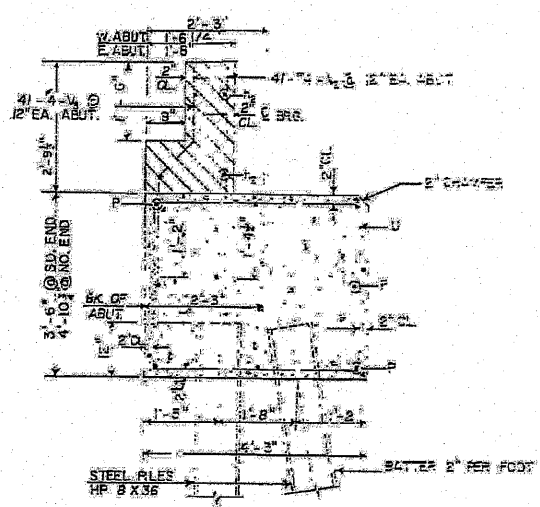
BILL OF MATERIALS

BAR	NO	SIZE	LENGTH	SHAPE
REINFORCEMENT BARS				120 LBS.
PRECAST PRESTRESSED CONCRETE DECK BEAMS	(33')			2580 SQ. FT.
CLASS X CONCRETE				0.90 CU. YD.
FURN. & ERECTING STR. STEEL				2640 LBS.
BIT. CONC. SURF. CSE. CLASS D				37 TONS
WATERPROOFING MEMBRANE SYSTEM				301 SQ. YD.
PREFORMED JOINT SEALER (2 1/2")				38 LIN. FT.
PORTLAND CEMENT MORTAR FINISH COURSE				782 LIN. FT.

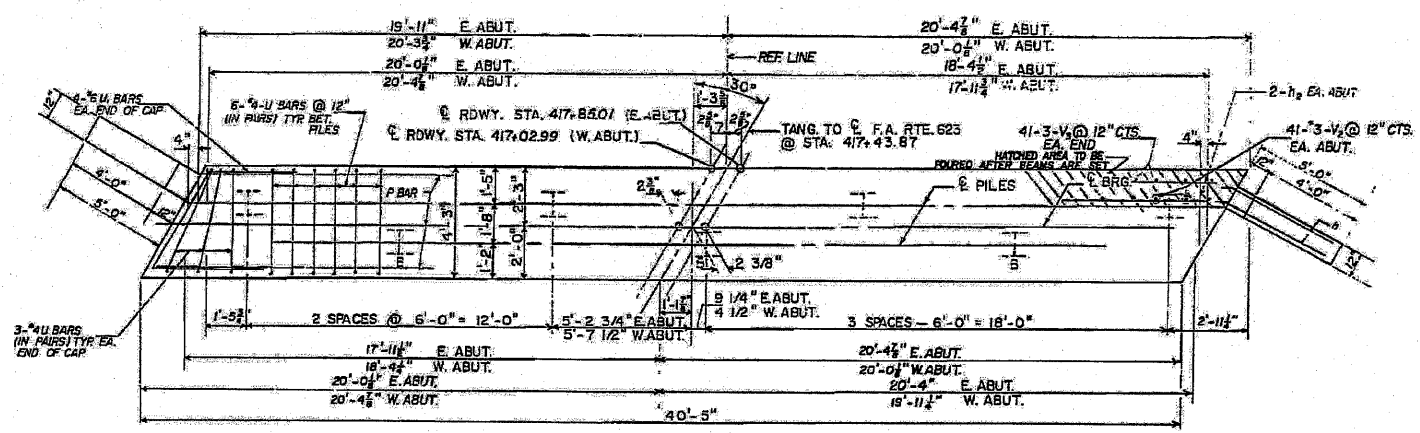
SUPERSTRUCTURE
F.A. RTE. 623 (U.S. RT. 6)
SECTION 0-BR-1
GRUNDY COUNTY
STATION 417+43.87



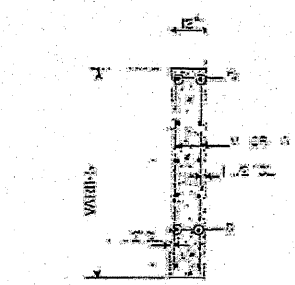
ELEVATION
WEST ABUT. SHOWN
EAST ABUT. OPPOSITE SUPERELEV.



SEC. THRU CAP
ALL DIMENSIONS @ RT. 2'S



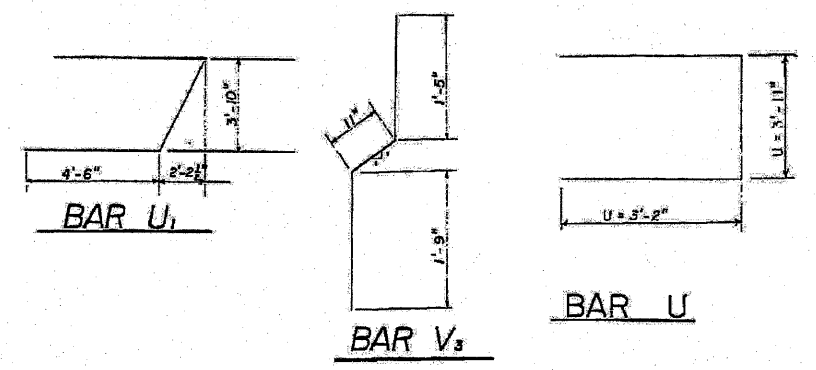
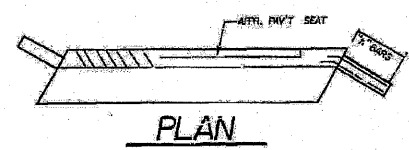
PLAN



SECTION THRU WINGWALL

PILE DATA

TYPE STEEL HP 8X36
CAPACITY DRIVEN TO REFUSAL
NO. REQUIRED 12 x 2 TEST PILES
EST. LENGTH 10 FT.



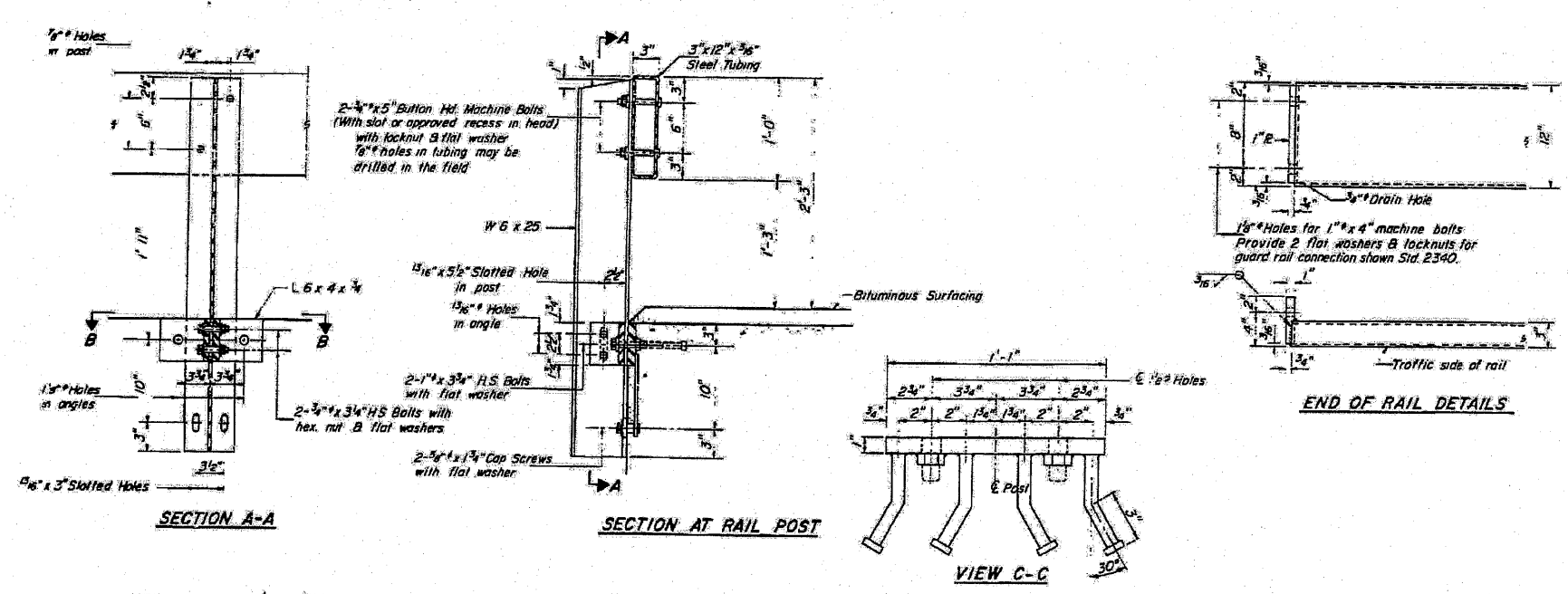
BILL OF MATERIAL — SUBSTR.

BAR	NO.	SIZE	LENGTH	SHAPE
P	16	"7	40'-0"	
U	168	"4	10'-3"	
U ₁	16	"6	13'-5"	
V	20	"4	8'-9"	
V ₁	20	"4	7'-0"	
V ₂	74	"4	4'-0"	
V ₃	74	"4	4'-1"	
h	36	"4	6'-0"	
h ₁	24	"4	4'-3"	
h ₂	16	"6	21'-0"	
CLASS X CONCRETE		CU. YDS. 66.1		
REINFORCEMENT BARS		LBS. 4080		
FURN. STL. PILES HP 8 X 36		LIN. FT. 120		
TEST PILES, HP 8 X 36		EA. 2		

ABUTMENTS
F.A. RTE. 523 (U.S. RT. 6)
SECTION O-BR-1
GRUNDY COUNTY
STATION 417+43.87

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROJECT NO.	SECTION	DATE	SHEET NO.
E46230BR-1	GRUNDY	11.1	46
SHEET 46			



NOTES

Hollow structural steel tubing shall conform to the requirements of ASTM designation A-500 Grade B or A-501 Structural Steel Tubing.

All other steel shapes and plates shall conform to the requirements of AASHTO M-183 except posts and angles shall conform to AASHTO M-223, Grade 55.

Bolts, cap screws, and nuts shall conform to the requirements of ASTM designation A-307 except for high strength bolts, nuts and washers noted which shall conform to AASHTO M-154.

All bolts, nuts, cap screws, washers and lock washers shall be galvanized in accordance with AASHTO M-232.

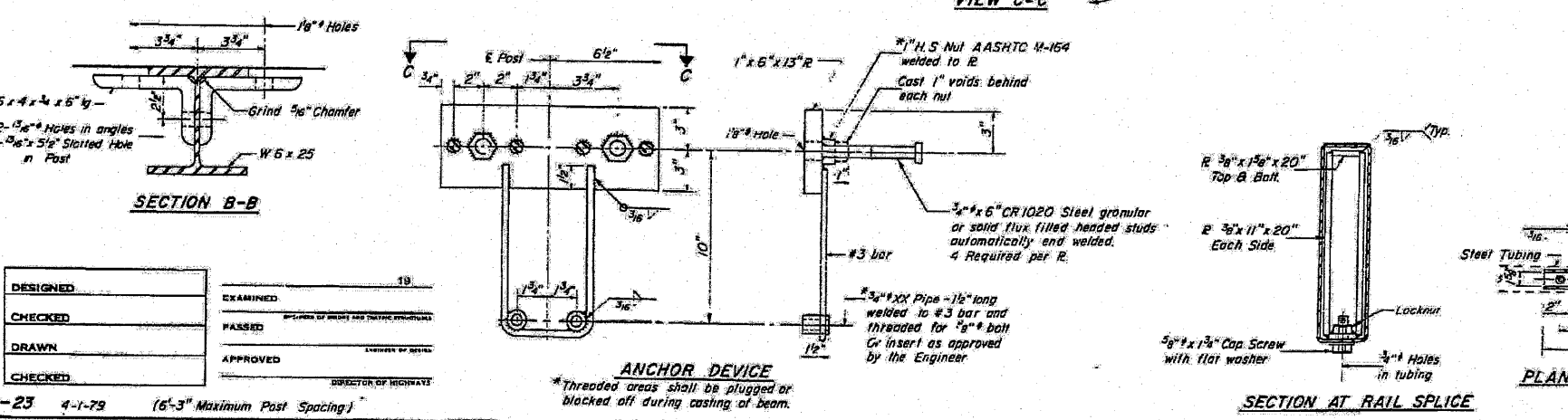
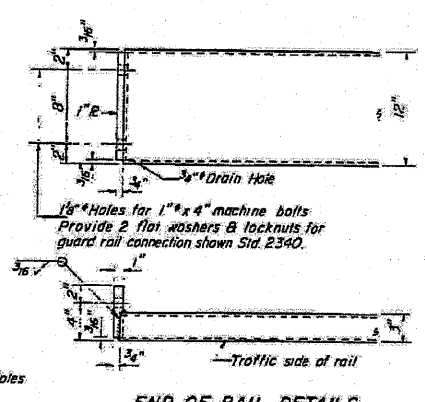
All posts, railing, rail splices, anchor devices and angles shall be galvanized after shop fabrication in accordance with AASHTO M-111 and ASTM A-385. Galvanized rail shall not be painted.

Railing shall be in accordance with Section 509 of the Standard Specifications, except as noted, and shall be paid for at the contract unit price per lineal foot for STEEL RAILING, TYPE S.

All field drilled holes shall be coated with an approved zinc rich paint before erection.

The lower portion of the post flange in contact with concrete shall receive two coats of asphalt paint conforming to Section 714.02, Type B or place 1/2" fabric bearing pad between the post and concrete.

The 3/4" high strength bolts used to connect the 6 x 4 x 3/4" angles to the post shall be tightened in accordance with Article 507.04(a)(3) of the Standard Specifications. The 1" high strength bolts connecting the angles to the concrete shall be tightened to a snug fit and given an additional 1/2 turn. The 5/8" cap screws in bottom of posts shall be tightened to a snug fit only.



BILL OF MATERIAL

Item	Unit	Quantity
Steel Railing, Type S	Lin. Ft.	157

**TYPE S
STEEL RAILING**
 F.A. RTE. 623 (U.S. RT. 6)
 SECTION 0-BR-1
 GRUNDY COUNTY
 STATION 417+43.67

DESIGNED	EXAMINED	19
CHECKED	PASSED	
DRAWN	APPROVED	
CHECKED		

R-23 4-1-79 (6'-3" Maximum Post Spacing)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROJECT NO.	SECTION	COUNTY	SHEET	SHEET NO.
FAP 623		GRUNDY	12	10
SHEET NO. 7 3 SHEETS				
Contract Number: 66808 * 10-BR-11				

GENERAL NOTES

The contractor is advised that the existing PPC Deck Beams are in a deteriorated condition with reduced load carrying capacity. It is the contractor's responsibility to account for the condition of the beams when developing construction procedures.

If the contractor's procedure for existing beam removal or placement of new beams involves placement of cranes or other heavy equipment on the bridge, a detailed procedure shall be submitted to the Engineer for approval. The procedure shall include calculations, prepared and sealed by an Illinois Licensed Structural Engineer, verifying that the equipment and procedure used will not overstress the new or existing beams. To distribute load to multiple beams and protect the existing surface, in all cases a double layer mat of heavy timbers shall be used at all times under crane tracks or wheels and any outriggers in the down position. If necessary, shims shall be used under the crane mat to ensure uniform contact with the underlying beams. If heavy equipment will be placed on new PPC deck beams, the following shall be done prior to placement of the timber mats: placement and tightening of transverse tie assemblies, grouting and curing the dowel rods 24 hours minimum and grouting and curing the shear keys.

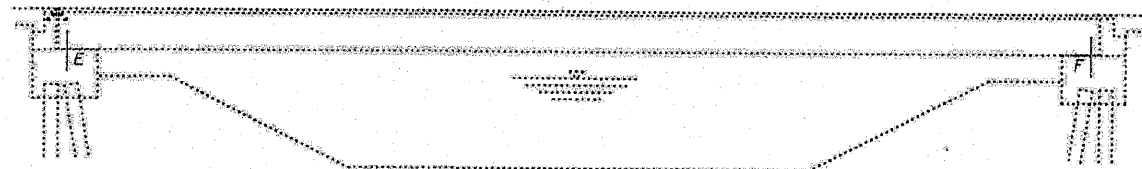
Any damage done to the bridge during beam removal shall be repaired by the Contractor. Cost to be included in the cost of Removal of Existing PPC Deck Beams. The top surface of the beams shall be finished according to the IDOT Manual for Fabrication of Precast Prestressed Concrete Products.

Plan dimensions and details relative to existing plans are subject to routine 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 based upon the unit price bid for the work.

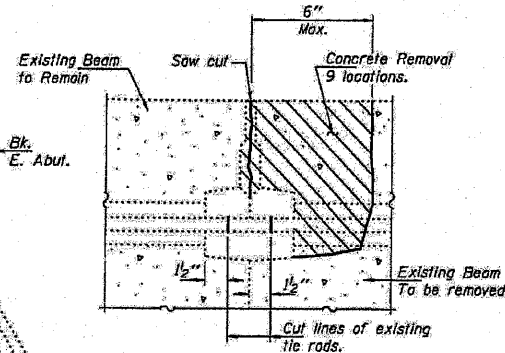
Temporary concrete barrier shall only be anchored into the overlay and not the PPC Deck Beams.

All structural steel shall be shop painted with the inorganic zinc rich primer per AASHTO M300, Type I. Cost included with PPC Deck Beams (33")

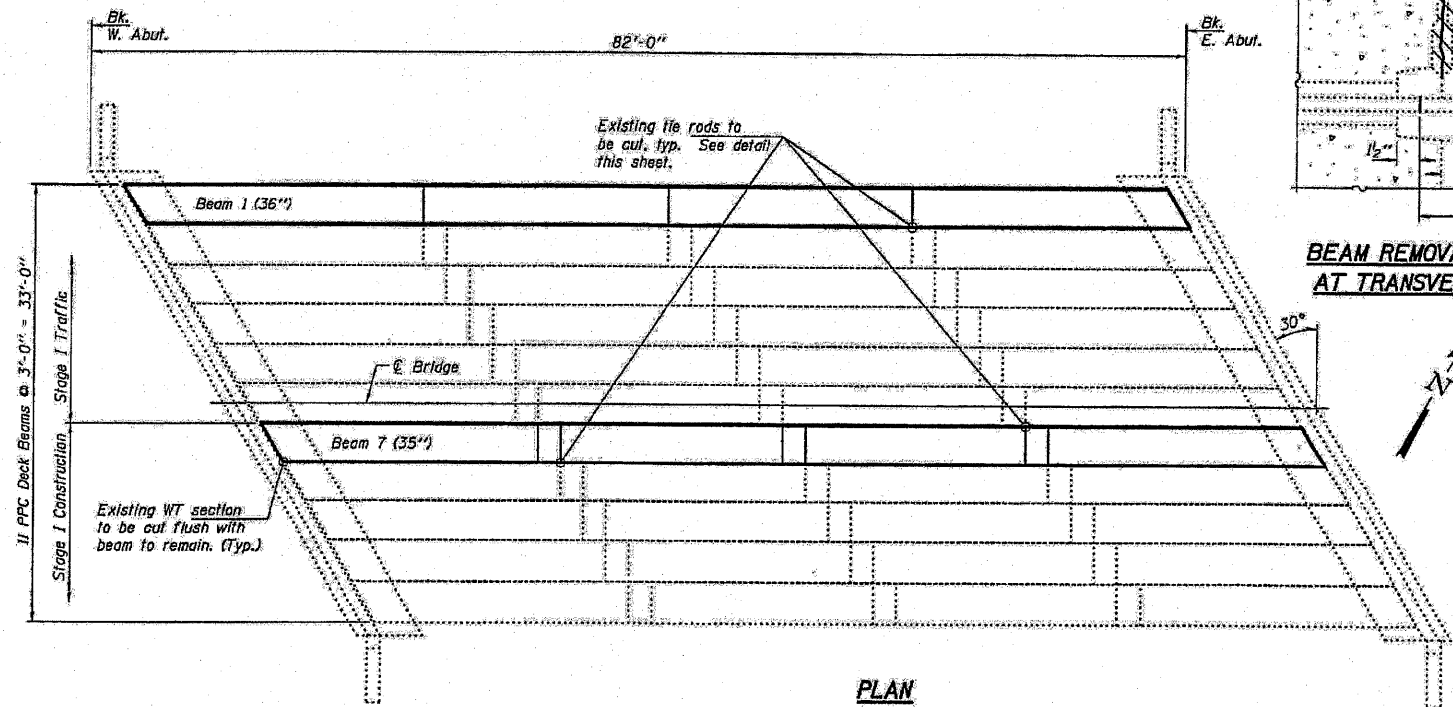
All structural steel shall conform to AASHTO Classification: M-270 Gr. 36, unless otherwise noted.



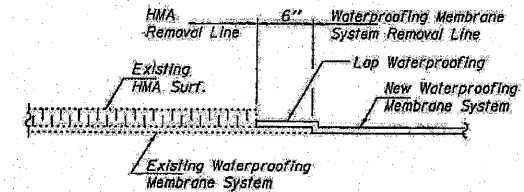
ELEVATION



BEAM REMOVAL DETAIL AT TRANSVERSE TIES



PLAN



WATERPROOFING TREATMENT

TOTAL BILL OF MATERIAL

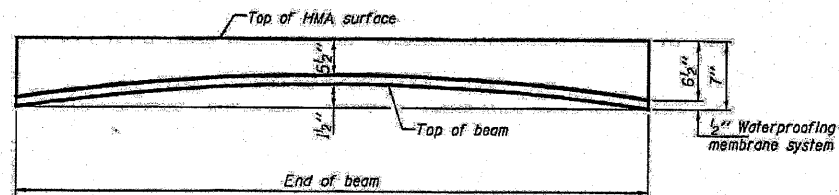
ITEM	UNIT	QUANTITY
HMA Surface Removal	Sq. Yd.	13.1
HMA Surface Course, Mix "C", NSO	Tons	22.1
Removal of Existing PPC Deck Beams	Sq. Ft.	469
PPC Deck Beams (33" Depth)	Sq. Ft.	463
Asbestos Bearing Pad Removal	Each	4
Removing and Re-Erecting Existing Railing	Foot	79
PC Mortar Fairing Course	Foot	235
Waterproofing Membrane System	Sq. Yd.	66

PLAN AND ELEVATION
FAP 623
GRUNDY COUNTY
SN 032-0084

DESIGN STRESSES
PRECAST PRESTRESSED UNITS
f'c = 6,000 psi
f'ci = 5,000 psi
f's = 270,000 psi (1/2" low lax strands)
f'si = 201,950 psi (1/2" low lax strands)

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DRAWN: [Signature]
CHECKED: [Signature]

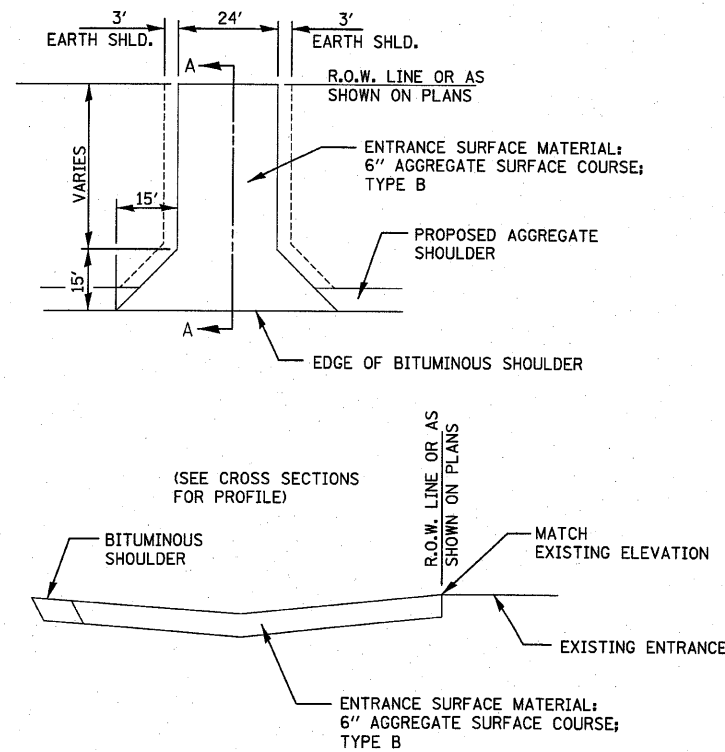
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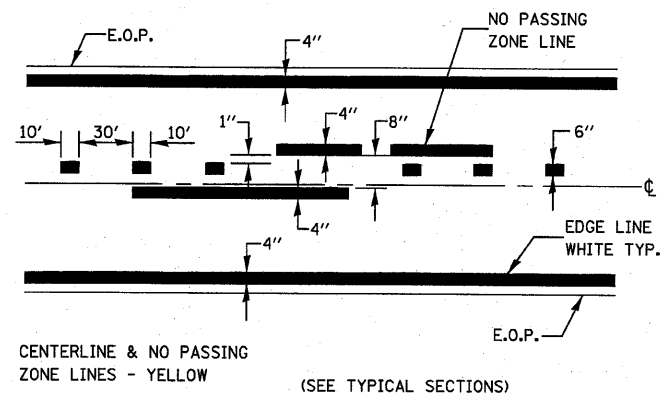
ANTICIPATED INITIAL CAMBER DIAGRAM

...\\deck_beams_fy08\0320084.dgn 5/2/2008 2:35:12 PM

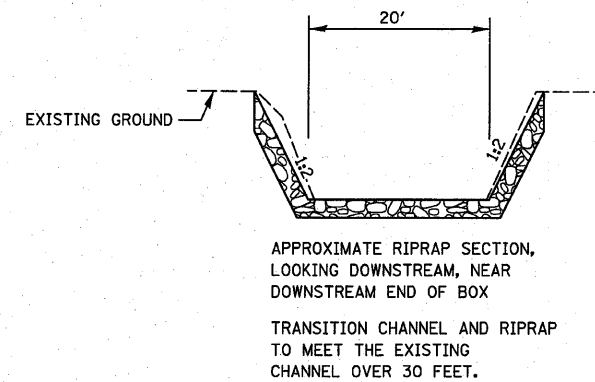
FILE NAME =	USER NAME = mjkbusch	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING BRIDGE REPAIR PLANS FOR INFORMATION ONLY	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
MA26854\WO 7 US 6 5-Lane - SN 832-988	Microstation\sheet83.dgn	DRAWN -	REVISED -			623	(O) BR	GRUNDY	35	22	
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	PLOT DATE = 6/22/2010	DATE -	REVISED -					FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	
								CONTRACT NO. 66913			



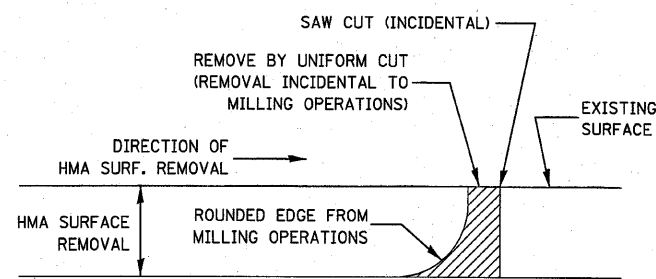
FIELD ENTRANCE DETAIL



PAVEMENT MARKING



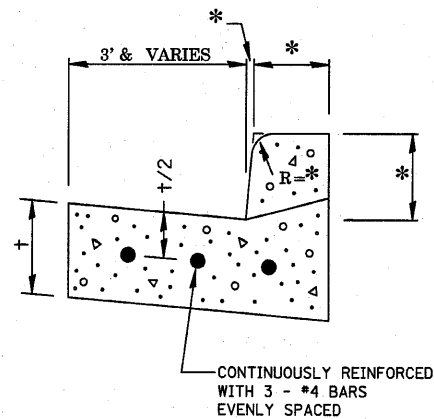
RIPRAP DETAIL



NOTE:
WHEN MILLING OPERATIONS PRODUCE A ROUNDED EDGE, THEN A SAW CUT SHALL BE USED TO MANUFACTURE A PERPENDICULAR EDGE AS SHOWN IN THE DETAIL. THE ENGINEER SHALL BE THE SOLE JUDGE CONCERNING THE USE OF THIS DETAIL

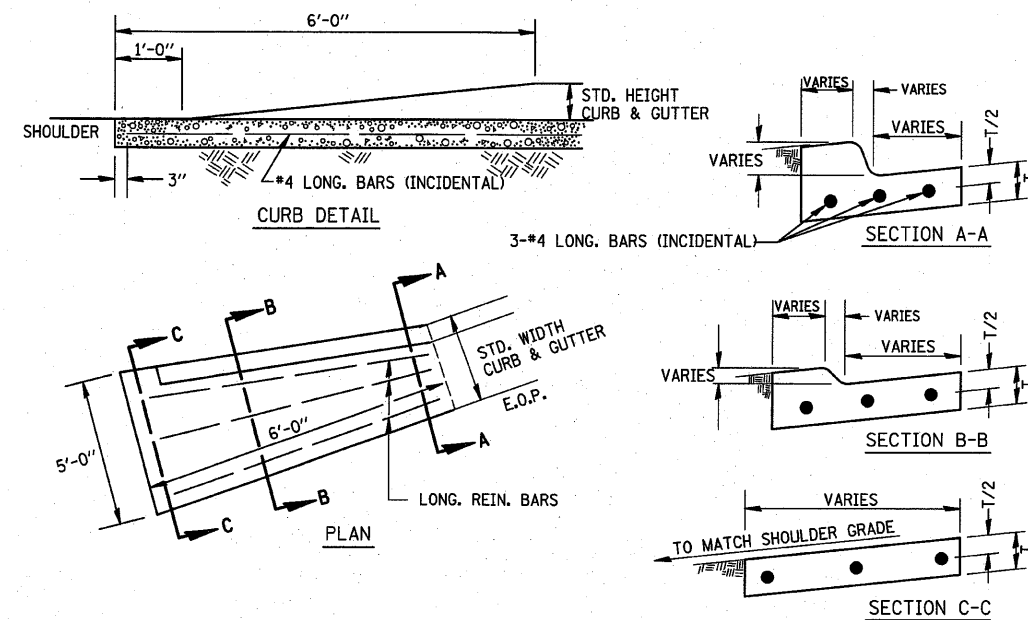
HMA SURFACE REMOVAL DETAIL

* VARIES - SEE STANDARD 606001



CONTINUOUSLY REINFORCED WITH 3 - #4 BARS EVENLY SPACED
REINFORCEMENT SHALL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR CC&G.

REINFORCEMENT DETAIL FOR COMBINATION CONCRETE CURB AND GUTTER



CURB & GUTTER OUTLET SPECIAL

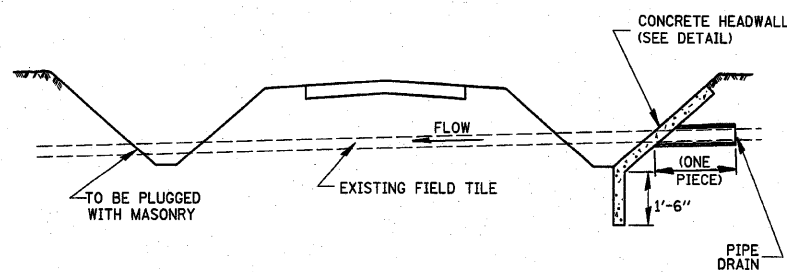
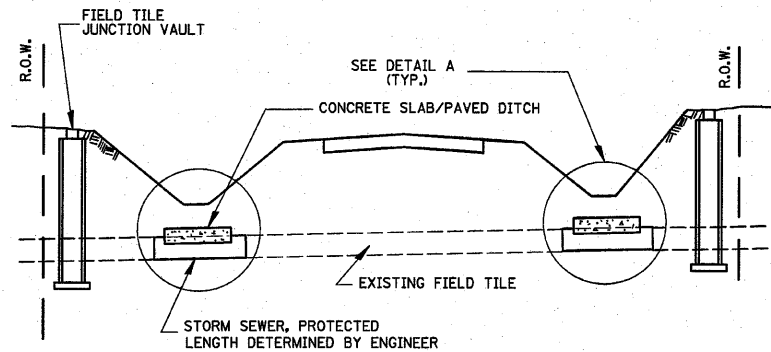
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

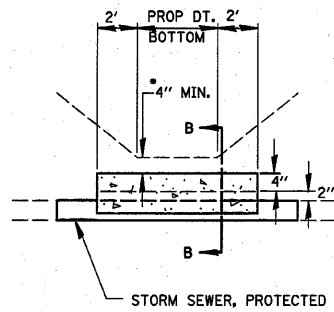
MISCELLANEOUS DETAILS

SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
623	(O) BR	GRUNDY	35	26
CONTRACT NO. 66913				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				

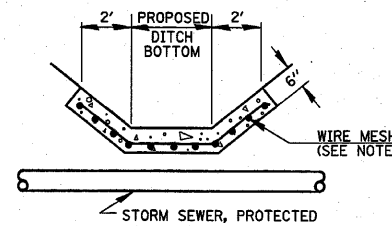


FIELD TILE REPLACEMENT

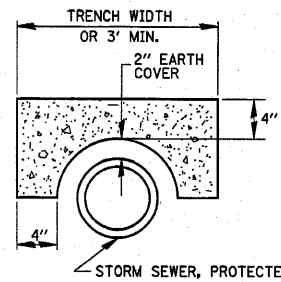


DETAIL A
NO SCALE

- * IF A 4" COVER CAN NOT BE PROVIDED A PAVED DITCH SHALL BE CONSTRUCTED AS SHOWN IN DETAIL C.
- NOTES
1. WIDTH OF CONCRETE SLAB SHALL BE THE SAME AS THE TRENCH WIDTH IN ACCORDANCE WITH SECTION 550 OF THE STD. SPECIFICATIONS, OR 3' MIN.
 2. CONCRETE FOR SLAB, HEADWALL AND PAVED DITCH SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC YARD FOR MISCELLANEOUS CONCRETE.**
 3. COST OF FURNISHING AND INSTALLING WIRE MESH SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER CUBIC YARD FOR MISCELLANEOUS CONCRETE. WIRE MESH TO WEIGH NOT LESS THAN 58# PER 100 SQ. FT.



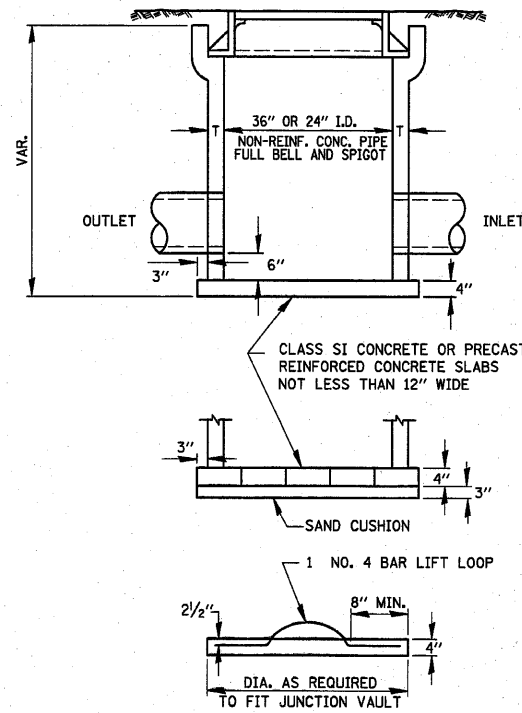
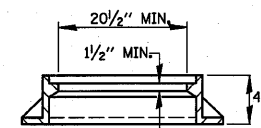
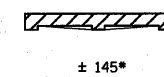
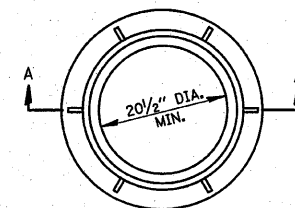
DETAIL C
NO SCALE



SECTION B-B

ALTERNATE MATERIALS FOR WALLS	T
PRECAST REINFORCED CONCRETE RISERS	4"
CONCRETE MASONRY UNIT	5"
MONOLITHIC CONCRETE	6"
BUILDING BRICK, GRADE SW FROM CLAY OR SHALE	8"
CONCRETE BUILDING BRICK, GRADE A	8"

- NOTES
1. THE CONTRACT UNIT PRICE FOR FIELD TILE JUNCTION VAULT SHALL INCLUDE THE COST OF FURNISHING AND PLACING THE FRAME AND GRATE OR PRECAST CONCRETE LID AND WHEN REQUIRED, THE SAND CUSHION.
 2. ALL FIELD TILE JUNCTION VAULTS SHALL BE 2'-0" IN DIAMETER UNLESS OTHERWISE NOTED ON THE PLANS.



FIELD TILE JUNCTION VAULT

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MA\26054\VO 7 US 6 5-Lane - SN 032-000	\\microstation\shasta01.dgn	DRAWN -	REVISED -
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	PLOT DATE = 6/22/2010	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

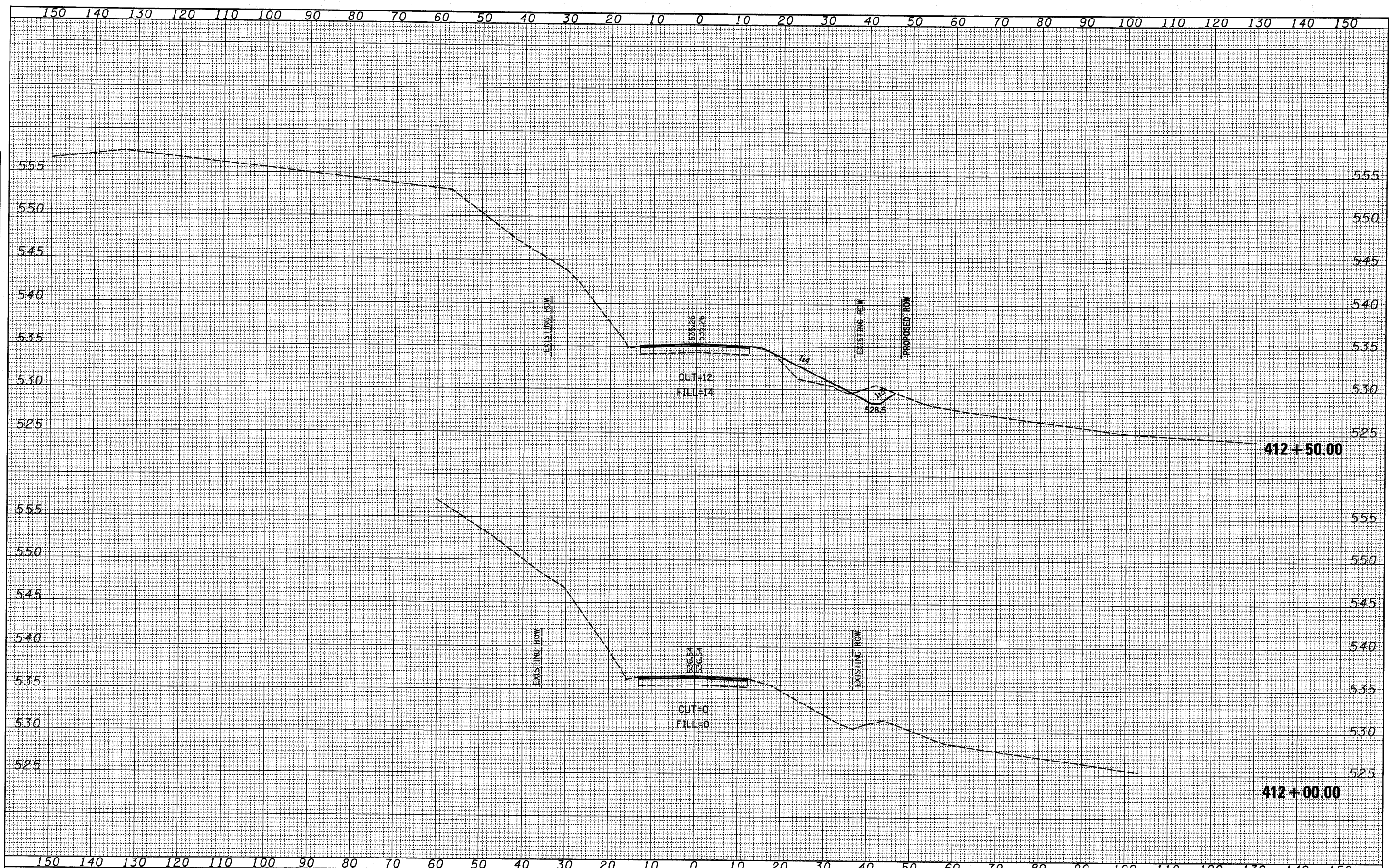
MISCELLANEOUS DETAILS

SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
623	(0) BR	GRUNDY	35	27
CONTRACT NO. 66913				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

DATE	
BY	
FINAL SURVEY	
NOTE BOOK	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
NOTE BOOK	
NO.	



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 PLOT SCALE = 10.0000' / IN.
 PLOT DATE = 6/24/2010

DESIGNED -	REVISD -
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CHECKED -	REVISD -
DATE -	REVISD -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

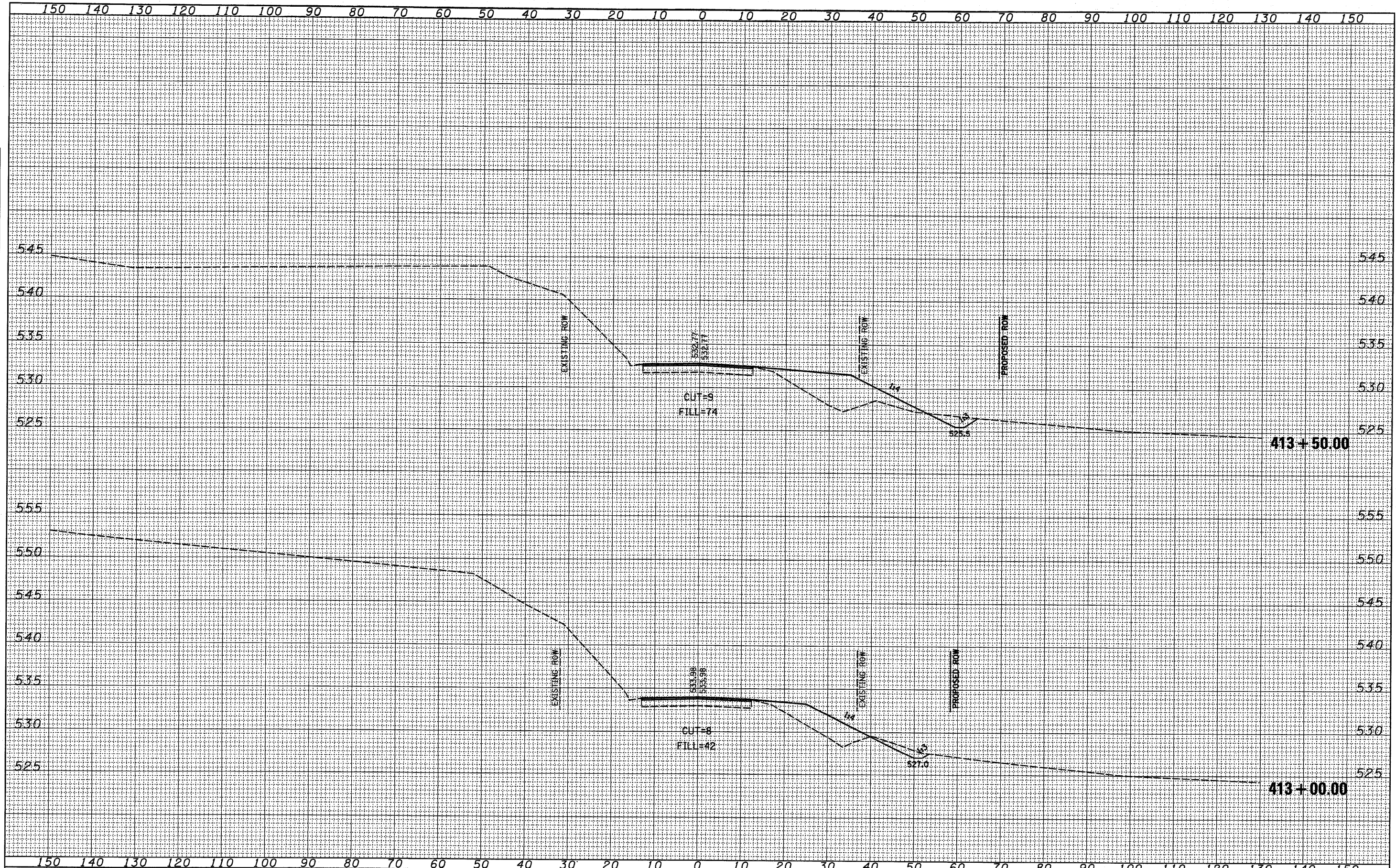
CROSS SECTIONS

SCALE: SHEET NO. OF SHEETS STA. 412+00.00 TO STA. 412+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
623	(O) BR	GRUNDY	35	28
CONTRACT NO. 66913			ILLINOIS FED. AID PROJECT	

DATE	
BY	
DESIGNED	
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REVISIONS	
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AREAS CHECKED	
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DATE	
BY	
DESIGNED	
DRAWN	
CHECKED	
DATE	
REVISIONS	
NO.	
AREAS CHECKED	
NO.	



FILE NAME =
 USER NAME = m.kebusch
 PLOT SCALE = 1/8" = 100'
 PLOT DATE = 6/24/2018

DESIGNED -	REVISIONS
DRAWN -	REVISIONS
CHECKED -	REVISIONS
DATE -	REVISIONS

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

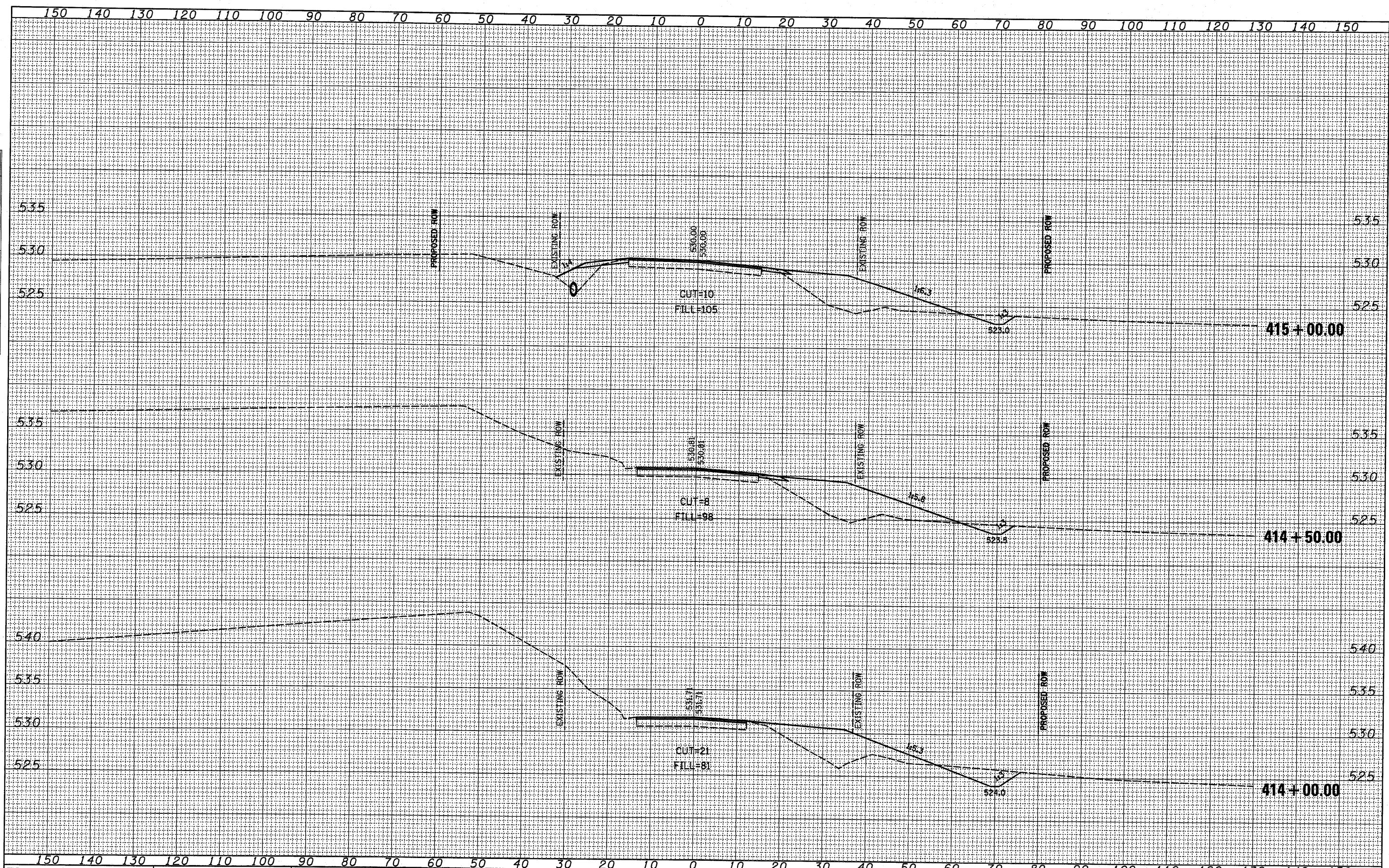
CROSS SECTIONS

SCALE: SHEET NO. OF SHEETS STA. 413+00.00 TO STA. 413+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
623	(O) BR	GRUNDY	35	29
CONTRACT NO. 66913				
ILLINOIS FED. AID PROJECT				

DATE	
BY	
FINAL SURVEY	
FLIPPED	
NOTE BOOK	
AREAS CHECKED	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY	
FLIPPED	
NOTE BOOK	
AREAS CHECKED	
AREAS CHECKED	



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 PLOT SCALE = 10.0000' / IN.
 PLOT DATE = 6/24/2018

USER NAME = mikebusch	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

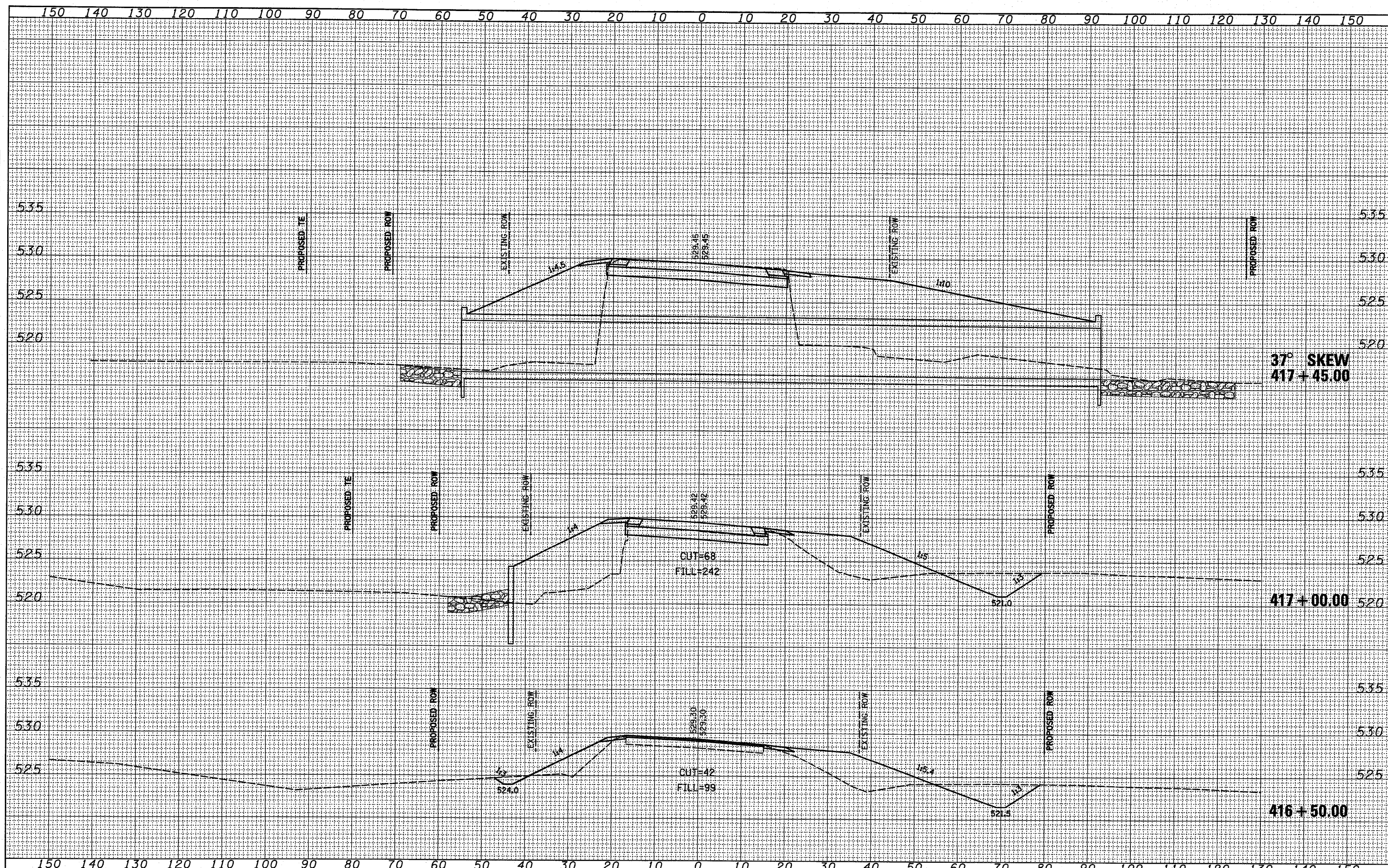
CROSS SECTIONS

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F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
623	(O) BR	GRUNDY	35	30
				CONTRACT NO. 66913
ILLINOIS FED. AID PROJECT				

DATE
BY
SURVEYED
FLATTED
NOTE BOOK
NO.

DATE
BY
SURVEYED
FLATTED
NOTE BOOK
NO.



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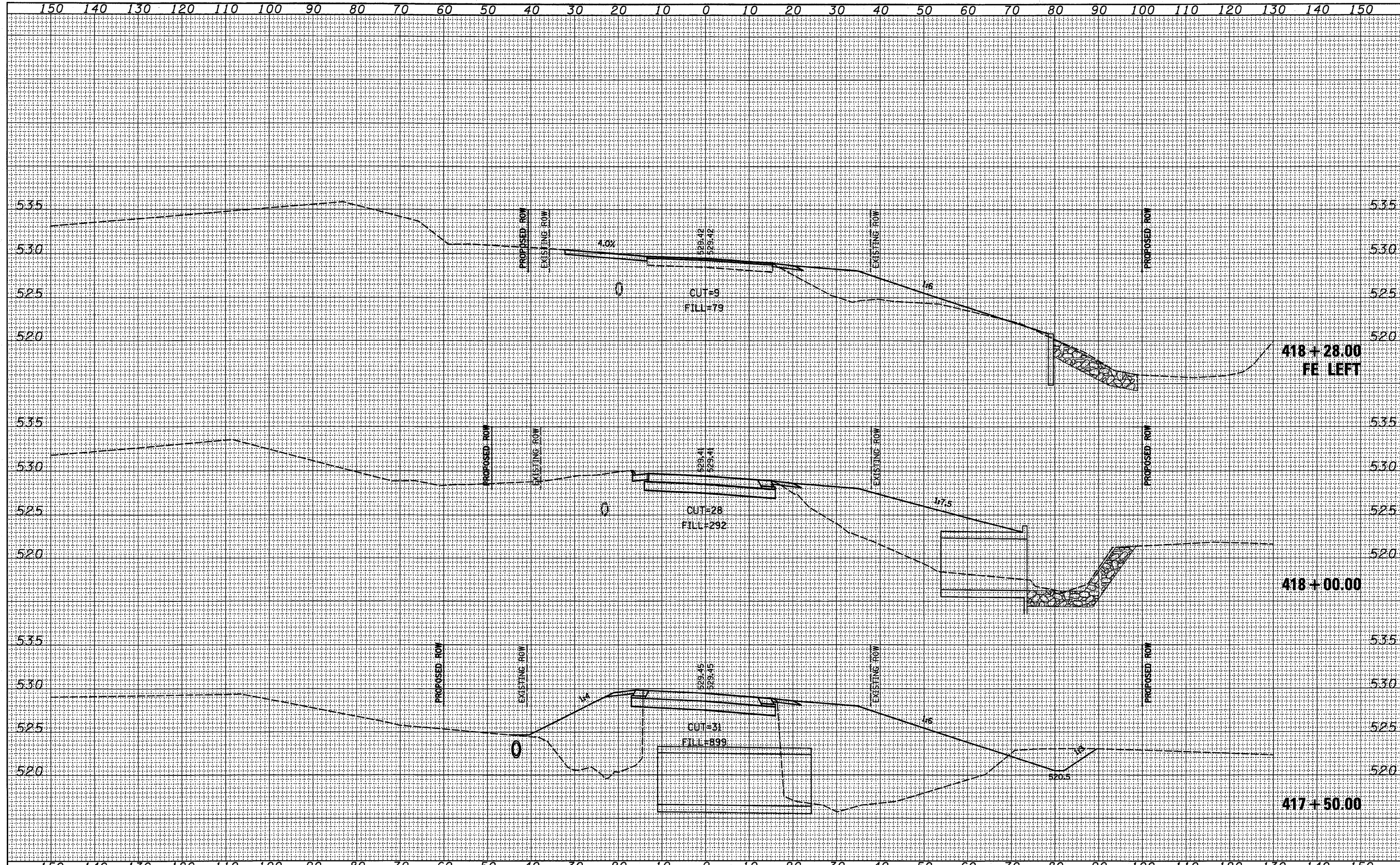
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DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

SCALE: SHEET NO. OF SHEETS STA. 416+50.00 TO STA. 417+33.00

F.A.P. RTE. 623	SECTION (O) BR	COUNTY GRUNDY	TOTAL SHEETS 35	SHEET NO. 32
CONTRACT NO. 66913				
ILLINOIS FED. AID PROJECT				



DATE	
BY	
FINAL SURVEY	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	

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 PLOT DATE = 6/24/2010

DESIGNED -	REVISED -
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CHECKED -	REVISED -
DATE -	REVISED -

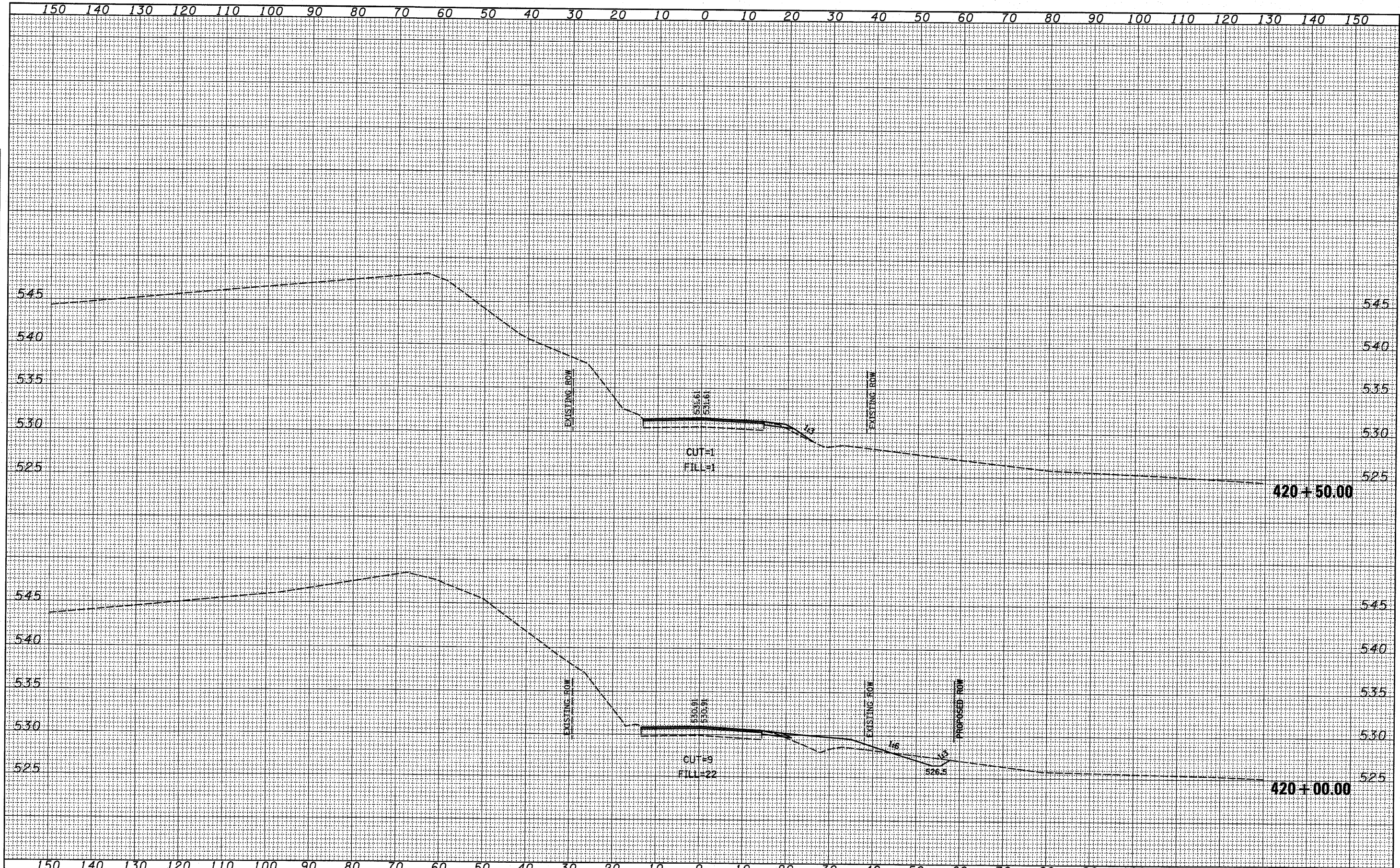
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS
 SCALE: SHEET NO. OF SHEETS STA. 417+50.00 TO STA. 418+28.00

F.A.P. RTE. 623	SECTION (O) BR	COUNTY GRUNDY	TOTAL SHEETS 35	SHEET NO. 33
CONTRACT NO. 66913				ILLINOIS FED. AID PROJECT

DATE	
BY	
SURVEYED	
FINAL SURVEY	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	



FILE NAME =
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 PLOT DATE = 6/24/2018

USER NAME = mkebuach	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS			
SCALE:	SHEET NO.	OF SHEETS	STA. 420+00.00 TO STA. 420+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
623	(O) BR	GRUNDY	35	35
CONTRACT NO. 66913				
ILLINOIS FED. AID PROJECT				