

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5952	10-00083-00-TL	GRUNDY	70	1
FED. ROAD DIST. NO. -	ILLINOIS	CONTRACT NO. 87486		

+1 (2)

INDEX OF SHEETS

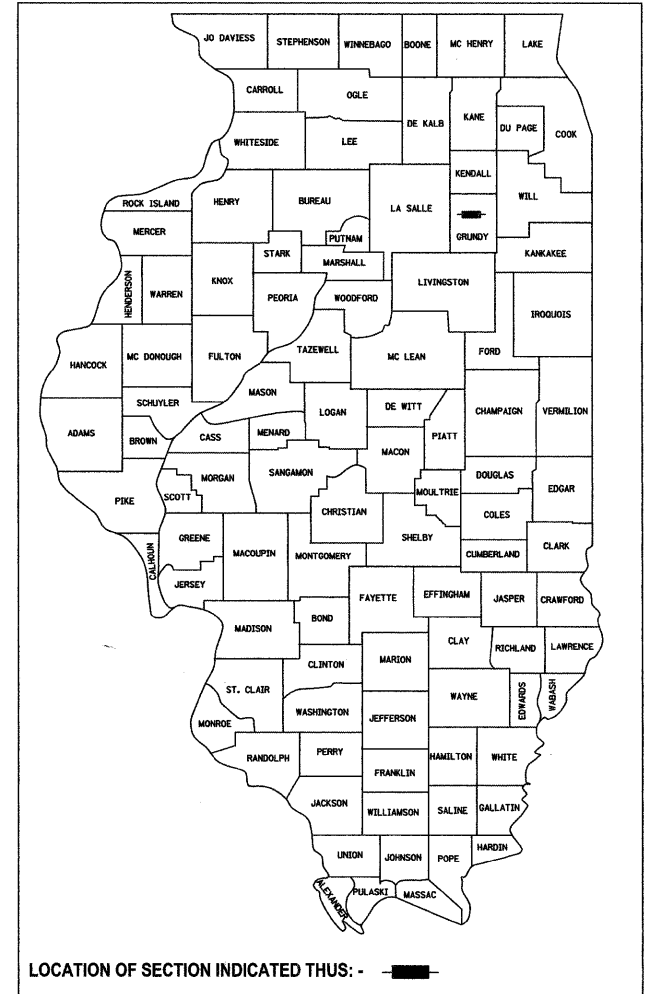
- 1. COVER SHEET
- 2. GENERAL NOTES AND TRAFFIC CONTROL
- 3.-3A. TYPICAL SECTIONS
- 4.-5. SUMMARY OF QUANTITIES
- 6.-7. SCHEDULE OF QUANTITIES
- 8.-12. REMOVAL PLANS
- 13.-18. PLAN AND PROFILE (US 6)
- 19.-21. PLAN AND PROFILE (SIDE STREETS)
- 22.-30. PAVEMENT MARKING AND SIGN PLANS
- 31.-36. TRAFFIC SIGNAL PLANS
- 37. INTERSECTION DETAILS
- 38.-43. DETAILS
- 44.-61. CROSS SECTIONS (US 6)
- 62.-70. CROSS SECTIONS (SIDE STREETS)

HIGHWAY STANDARDS

- 000001-06 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 280001-06 TEMPORARY EROSION CONTROL SYSTEMS
- 424001-06 PERPENDICULAR CURB RAMPS FOR SIDEWALKS
- 424011 CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
- 482001-02 HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
- 482011-03 HMA SHOULDER STRIPS/SHOULDERS WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
- 542301-03 PRECAST REINFORCED CONCRETE FLARED END SECTION
- 542306-02 PRECAST REINFORCED CONCRETE ELLIPTICAL FLARED END SECTION
- 542401-01 METAL END SECTION FOR PIPE CULVERTS
- 542406-01 METAL END SECTION FOR PIPE ARCHES
- 602301-03 INLET, TYPE A
- 602401-03 MANHOLE, TYPE A
- 602601-02 PRECAST REINFORCED CONCRETE FLAT SLAB TOP
- 602701-02 MANHOLE STEPS
- 604001-03 FRAME AND LIDS, TYPE 1
- 604036-02 GRATE, TYPE 8
- 606001-04 CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
- 701001-02 OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 M) AWAY
- 701006-03 OFF-ROAD OPERATIONS, 2L, 2W, 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE
- 701011-02 OFF-ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY
- 701201-04 LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS > 45 MPH
- 701301-04 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
- 701306-03 LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS > 45 MPH
- 701311-03 LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
- 701326-04 LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS > 45 MPH
- 701501-06 URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
- 701502-04 URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
- 701901-02 TRAFFIC CONTROL DEVICES
- 720001-01 SIGN PANEL MOUNTING DETAILS
- 720006-02 SIGN PANEL ERECTION DETAILS
- 720016-03 MAST ARM MOUNTED STREET NAME SIGNS
- 780001-03 TYPICAL PAVEMENT MARKINGS
- 781001-03 TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
- 805001-01 ELECTRICAL SERVICE INSTALLATION DETAILS
- 814001-02 HANDHOLES
- 814006-02 DOUBLE HANDHOLES
- 857001-01 STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
- 862001-01 UNINTERRUPTIBLE POWER SUPPLY (UPS)
- 873001-02 TRAFFIC SIGNAL GROUNDING & BONDING
- 877001-05 STEEL MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
- 877011-05 STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
- 877012-02 STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 56' THROUGH 75'
- 878001-09 CONCRETE FOUNDATION DETAILS
- 880001-04 SPAN WIRE MOUNTED SIGNALS AND FLASHING BEACON INSTALLATION
- 880006-01 TRAFFIC SIGNAL MOUNTING DETAILS
- 886001-01 DETECTOR LOOP INSTALLATIONS
- 886006-01 TYPICAL LAYOUT FOR DETECTION LOOPS

PLANS FOR PROPOSED FEDERAL AID HIGHWAY

F.A.U. 5952 (US 6)
EDGEWATER DR. TO LAKEWOOD DR.
CITY OF MORRIS
SECTION 10-00083-00-TL
PROJECT M-5047(010)
GRUNDY COUNTY
C-93-083-11

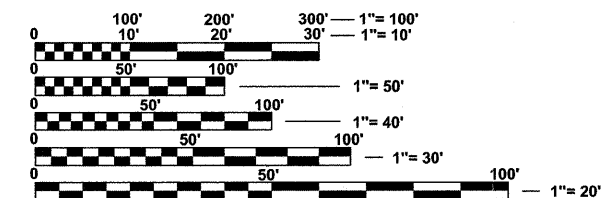


LOCATION OF SECTION INDICATED THUS: -

FAU 5952 (US 6)
FUNCTION CLASSIFICATION: MINOR ARTERIAL
ADT= 10400 (2011)
POSTED SPEED 45 MPH

EDGEWATER DRIVE
FUNCTION CLASSIFICATION: LOCAL ROAD
ADT= 3230 (2011)
POSTED SPEED 25 MPH

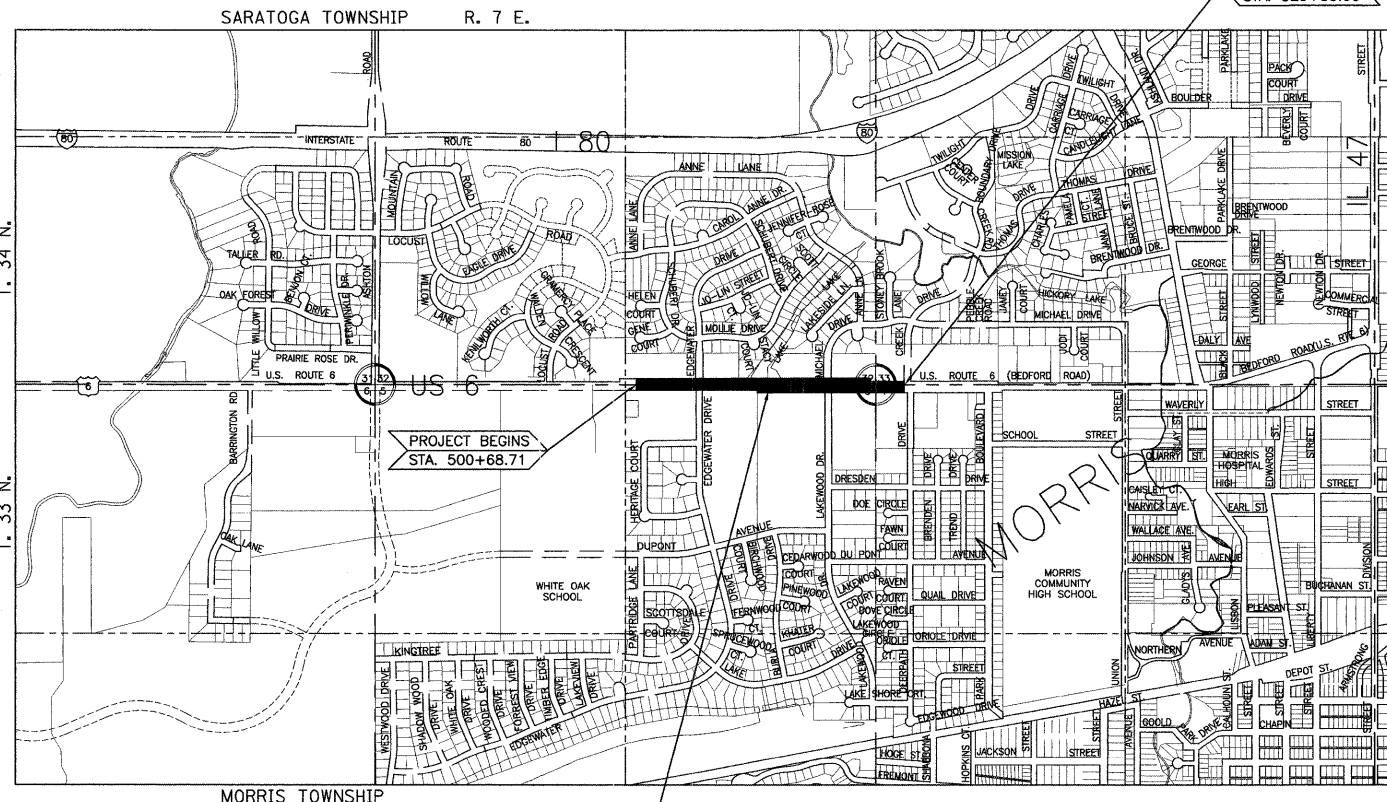
LAKEWOOD DRIVE
FUNCTION CLASSIFICATION: LOCAL ROAD
ADT= 1730 (2011)
POSTED SPEED 25 MPH



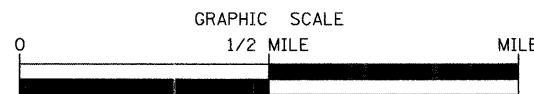
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

CONTRACT NO. 87486



PROJECT LOCATION



NET LENGTH OF SECTION 2881.29 (0.546 MILES)
GROSS LENGTH OF SECTION 2881.29 (0.546 MILES)

10/20/2011
date
JAMES K. CLINARD
LICENSED PROFESSIONAL ENGINEER
NO. 062-041793
STATE OF ILLINOIS
expires 11-30-2011
signature
PROFESSIONAL DESIGN FIRM
LICENSE NO. 184-001717

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED 10-27-2011
date
[Signature]
MAYOR, CITY OF MORRIS

PASSED 10-28-2011
date
[Signature]
DISTRICT 3 IMPLEMENTATION ENGINEER

RELEASED FOR BID BASED ON LIMITED REVIEW 10-28-2011
date
[Signature]
DEPUTY DIRECTOR OF HIGHWAYS, REGION 2 ENGINEER

JAMES K. CLINARD
CHAMBLIN & ASSOCIATES
815.223.3344

GENERAL NOTES

THE THICKNESS OF HMA MIXTURES 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 MIXTURE 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.

AGGREGATE (PRIME COAT): FA 20 MAY BE USED IN ADDITION TO THE GRADATIONS LISTED IN THE 3RD PARAGRAPH OF ARTICLE 1003.03(c) OF THE STANDARD SPECIFICATIONS.

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 EARTH EXCAVATION.

PLACE CURB RAMP FOR SIDEWALKS (STANDARD 424001) AT ALL LOCATIONS WHERE PROPOSED SIDEWALK ABUTS CURB AT STREET ENTRANCES.

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	0.08	GAL / SQ YD OR
	0.375	GAL / SQ YD
AGGREGATE PRIME COAT	0.002	TONS / SQ YD
BITUMINOUS RESURFACING	112	LBS / SQ YD / IN
SHORT TERM PAVEMENT MARKING	10	FT / 100 FT OF APPLICATION
MIX FOR CRACKS, JTS & FLGWYS	0.0003	TONS / SQ YD
LEVEL BINDER (HAND METHOD)	0.0005	TONS / SQ YD
SUPPLEMENTAL WATERING	3	GAL / SQ YD / APPLICATION
CALCIUM CHLORIDE	2	LB / SQ YD / APPLICATION

ALL DAMAGE TO DEPARTMENT OWNED UNDERGROUND FACILITIES, CAUSED BY THE CONTRACTOR SHALL BE REPAIRED TO THE SATISFACTION OF THE DEPARTMENT AT THE CONTRACTOR'S EXPENSE. THIS SHALL INCLUDE ALL TEMPORARY REPAIRS REQUIRED TO KEEP THE FACILITY OPERATIONAL WHILE MATERIAL IS BEING OBTAINED TO MAKE PERMANENT REPAIRS. SPLICING OF ELECTRIC CABLE SHALL NOT BE ALLOWED. ELECTRIC CABLE SHALL BE REPLACED FROM POLE TO POLE OR CONTROLLER.

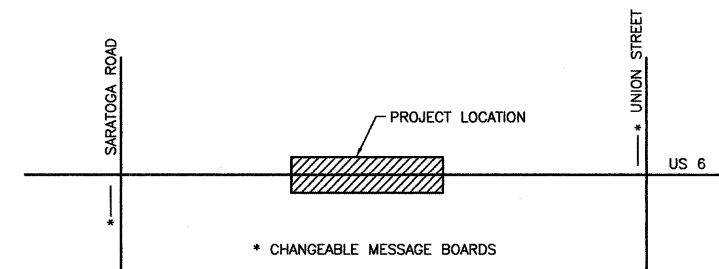
THE COST OF MAKING ANY SEWER CONNECTIONS TO AN EXISTING DRAINAGE STRUCTURE OR PIPE SHALL BE INCLUDED IN THE COST OF THE NEW SEWER.

ALL EQUIVALENT ROUND PIPE SHALL BE ARCHES.

MEMBERS OF JULIE KNOWN TO BE WITHIN THE LIMITS OF THE IMPROVEMENT ARE:

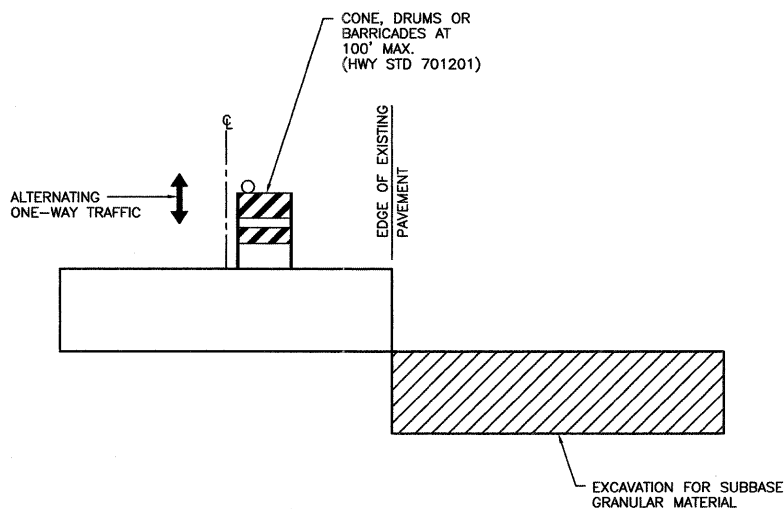
AT&T (SBC) 65 W. WEBSTER ST., 4TH FLOOR JOLIET, IL 60431	1-815-727-8049
COMED 1910 SOUTH BRIGGS STREET JOLIET, IL 60431	1-815-724-5170
NICOR GAS 1305 DR. MARTIN LUTHER KING DR. BLOOMINGTON, IL 61701	1-309-828-5002 EXT. 242
COMCAST 1304 MARQUETTE DRIVE ROSEMONT, IL 60446	1-847-489-0283
CITY OF MORRIS 700 DIVISION STREET MORRIS, IL 60450	1-815-942-5063

COMMITMENTS: THE CONTRACTOR SHALL NOTIFY ALL APPROPRIATE EMERGENCY SERVICES AND SCHOOL DISTRICTS TWO WEEKS IN ADVANCE OF THE WORK.



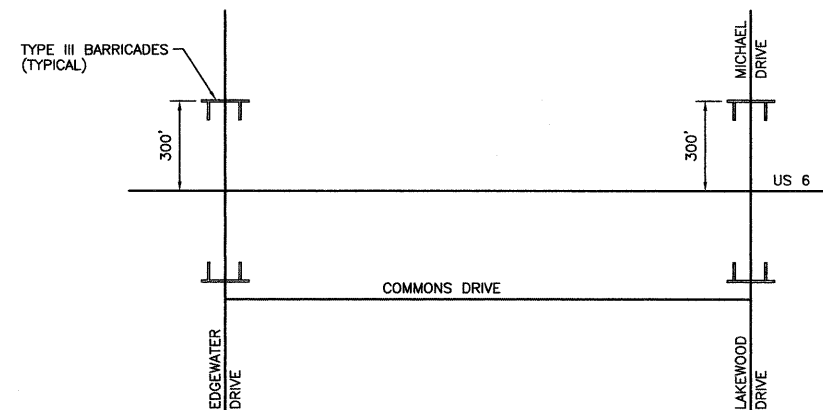
PUBLIC INFORMATION PLAN

- 1) CHANGEABLE MESSAGE BOARDS SHALL BE IN PLACE FOR TWO WEEKS PRIOR TO START OF CONSTRUCTION.
- 2) THE CONTRACTOR SHALL NOTIFY EMERGENCY SERVICES (POLICE, FIRE & AMBULANCE) IN WRITING 2 WEEKS PRIOR TO BEGINNING WORK AND SHALL GIVE 24 HOUR NOTICE OF SIDE STREET CLOSURES/CHANGES.



STAGE CONSTRUCTION WIDENING DETAIL

TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH HIGHWAY STANDARD 701201 DURING WORK TO EXCAVATE FOR SUB-BASE GRANULAR MATERIAL. THE FIRST 4" OF SUB-BASE GRANULAR MATERIAL SHALL BE PLACED PRIOR TO OPENING THE ADJACENT LANE. THEN TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH HIGHWAY STANDARD 701326.



SIDE ROAD CLOSURE DETAIL

ONE SIDE ROAD INTERSECTION AT A TIME MAY BE CLOSED FOR PAVEMENT WIDENING THROUGH THE INTERSECTION. THE CLOSURES SHALL BE LIMITED TO 3 DAYS AT EACH INTERSECTION. TYPE III BARRICADES SHALL BE PLACED AT THE LOCATIONS SHOWN IN ACCORDANCE WITH HIGHWAY STANDARD 701901.

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CHECKED BY: JKC	LEVEL	BY	DATE	DESCRIPTION
DATE: 10/11				

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PERU MORRIS ILLINOIS

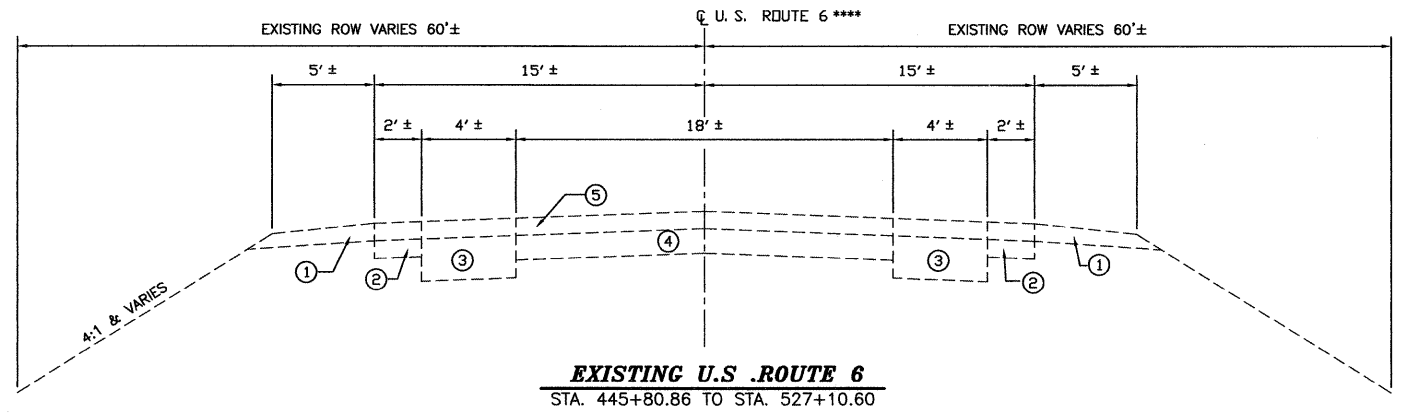
FAU 5952 (US 6)
SECTION 10-00083-00-TL
CITY OF MORRIS
GRUNDY COUNTY

GENERAL NOTES AND TRAFFIC CONTROL

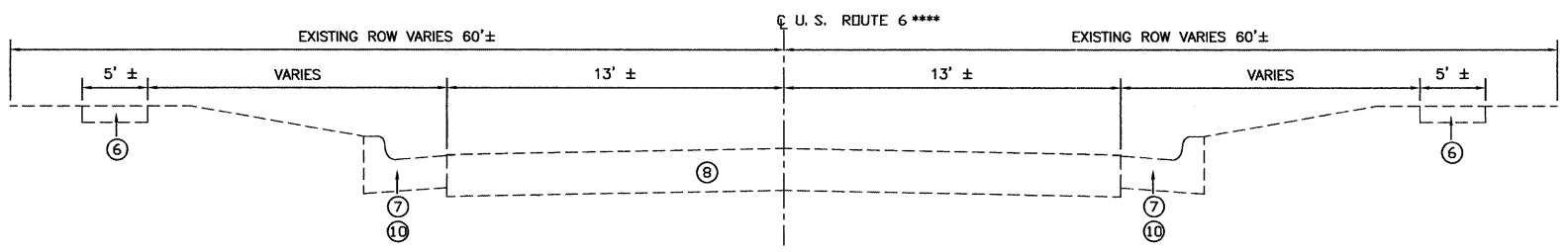
CONSTRUCTION PLANS

CURRENT AS OF: 10/11	SHEET 2
SCALE: AS NOTED	OF 70
FILE NO.: 6969.00 Y-	

CONTRACT NO. 87486



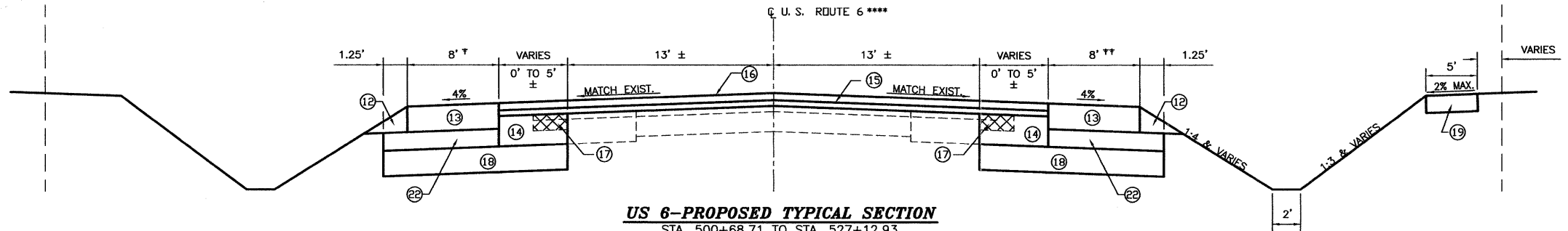
EXISTING U.S. ROUTE 6
STA. 445+80.86 TO STA. 527+10.60



EXISTING U.S. ROUTE 6
STA. 527+10.60 TO STA. 529+50.00

**** U.S. ROUTE 6 IS NOT THE SAME AS CENTERLINE OF EXISTING PAVEMENT AND THE DISTANCE BETWEEN THE TWO CENTERLINES VARIES THROUGHOUT THE PROJECT.

- LEGEND**
- ① EXISTING AGGREGATE SHOULDERS, TYPE B, 2 1/2'±
 - ② EXISTING HOT-MIX ASPHALT SHOULDER, 6'±
 - ③ EXISTING HOT-MIX BASE COURSE WIDENING, 9'±
 - ④ EXISTING PCC PAVEMENT, 8'±
 - ⑤ EXISTING HOT-MIX ASPHALT OVERLAY, 5'±
 - ⑥ EXISTING PCC SIDEWALK
 - ⑦ EXISTING COMBINATION CURB AND GUTTER
 - ⑧ EXISTING 13 1/2" HOT-MIX ASPHALT PAVEMENT
 - ⑨ NOT USED
 - ⑩ COMBINATION CURB AND GUTTER REMOVAL
 - ⑪ NOT USED
 - ⑫ AGGREGATE SHOULDER, TYPE B
 - ⑬ HOT-MIX ASPHALT SHOULDER, 8'
 - ⑭ HOT-MIX ASPHALT BASE COURSE, 8 3/4'
 - ⑮ LEVELING BINDER, (MACHINE METHOD), N70, 1'
 - ⑯ HOT-MIX ASPHALT SURFACE COURSE, MIX 'D', N70, 1 1/2'
 - ⑰ HOT-MIX ASPHALT SHOULDER REMOVAL (SEE REMOVAL PLANS)
 - ⑱ SUBBASE GRANULAR MATERIAL, TYPE A, 12'
 - ⑲ PCC SIDEWALK, 4'
 - ⑳ PROPOSED COMBINATION CURB AND GUTTER, TYPE B-6.24
 - ㉑ PROPOSED PCC BASE COURSE WIDENING, 9'
 - ㉒ SUBBASE GRANULAR MATERIALS, TYPE C

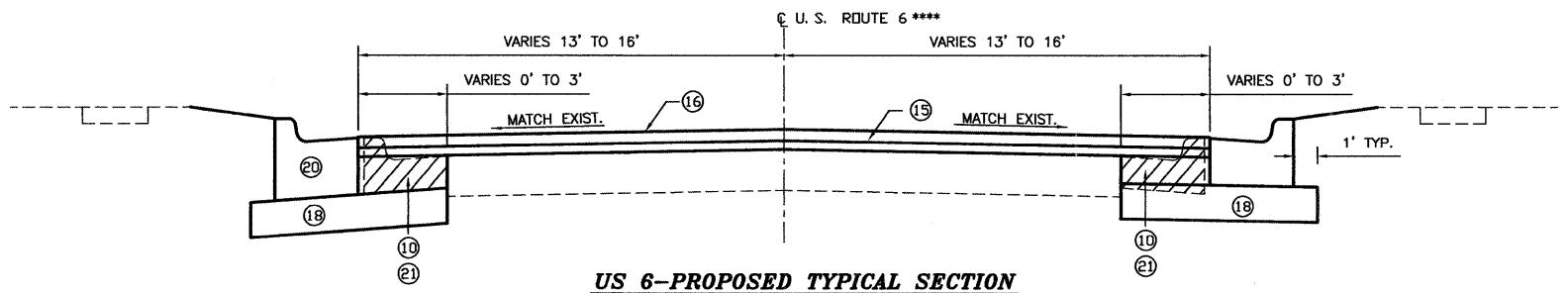


US 6-PROPOSED TYPICAL SECTION
STA. 500+68.71 TO STA. 527+12.93

† - 6' & VARIES LEFT STA. 500+68.71 TO STA. 501+28.71 TO WIDEN EXISTING SHOULDER TO REMAIN. EXTEND LEVELING BINDER AND SURFACE WIDTH TO INCLUDE EXISTING SHOULDER.

†† - 6' & VARIES RIGHT STA. 500+68.71 TO STA. 502+43.22 TO WIDEN EXISTING SHOULDER TO REMAIN. EXTEND LEVELING BINDER AND SURFACE WIDTH TO INCLUDE EXISTING SHOULDER.

STRUCTURAL DESIGN TRAFFIC:	Year	2018
	PV =	12809
	SU =	333
	MU =	187
ROAD/STREET CLASSIFICATION:	Class MINOR ARTERIAL	
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:	P =	50
	S =	50
	M =	50
TRAFFIC FACTOR:	Actual TF =	0.72
	AC Type =	20
	Minimum TF =	2.06
PG GRADE:	Binder =	PG64-22
	Surface =	PG64-22
SUBGRADE SUPPORT RATING:	SSR = POOR	



US 6-PROPOSED TYPICAL SECTION
STA. 527+12.93 TO STA. 529+50.00

	HMA SURFACE	BASE COURSE	HMA LEVEL BINDER
PG GRADE **	PG64-22	PG64-22	PG64-22
DESIGN AIR VOIDS	4.0% @ N70	4.0% @ N70	4.0% @ N70
MIXTURE COMPOSITION	IL 9.5	IL 19.0	IL 9.5
FRICTION AGGREGATE	MIXTURE D	--	--
DENSITY TEST METHOD	CORES/CORRELATION	CORES	SATISFACTION OF ENGINEER

* 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/QA SPECIFICATION.

** WHEN RAP EXCEEDS 20%, THE VIRGIN ASPHALT BINDER SHALL BE REDUCED BY ONE GRADE (I.E. 25% RAP WOULD REQUIRE A VIRGIN ASPHALT BINDER GRADE OF PG62-22 TO BE REDUCED TO A PG58-22).

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Drawing Name: 6.10689-10-Morris-Stu (CAD) (U.S. ROUTE 6) - TYP. (S&G) Last Modified: Oct 17, 2011 - 9:12am Plotted on: Oct 17, 2011 - 9:51am by mrcd

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CHECKED BY: JKC					
DATE: 10/11					

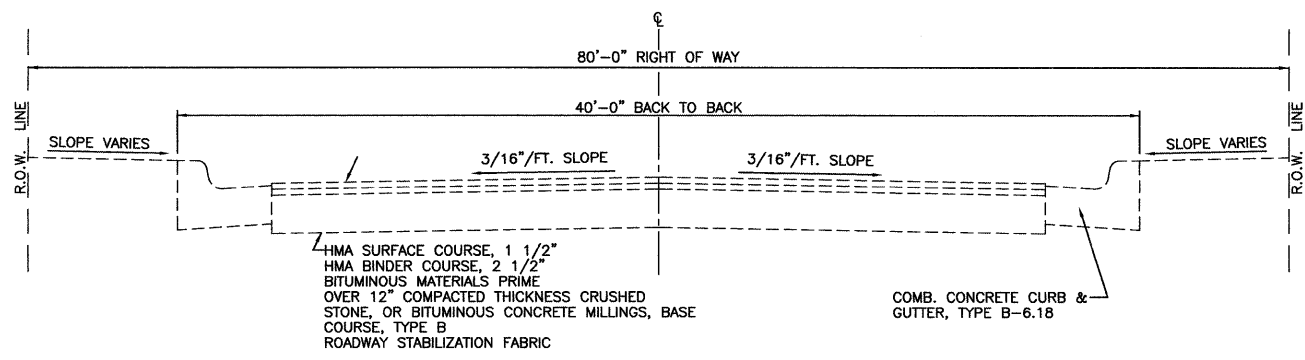
CHAMLIN ASSOCIATES
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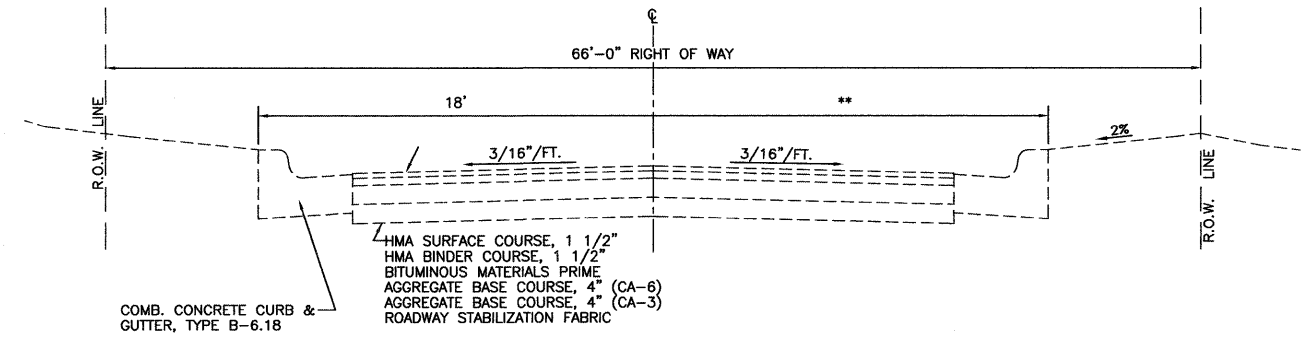
TYPICAL SECTIONS

CONSTRUCTION PLANS

CONTRACT NO. 87486
CURRENT AS OF: 10/11
SCALE: AS NOTED
FILE NO.: 6969.00 Y- OF 70

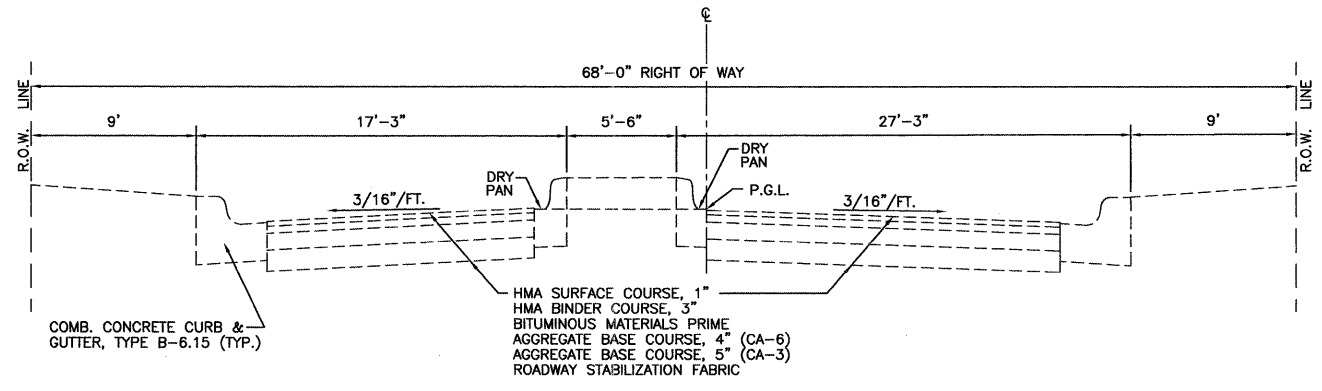


EXISTING EDGEWATER DRIVE NORTH
N.T.S.

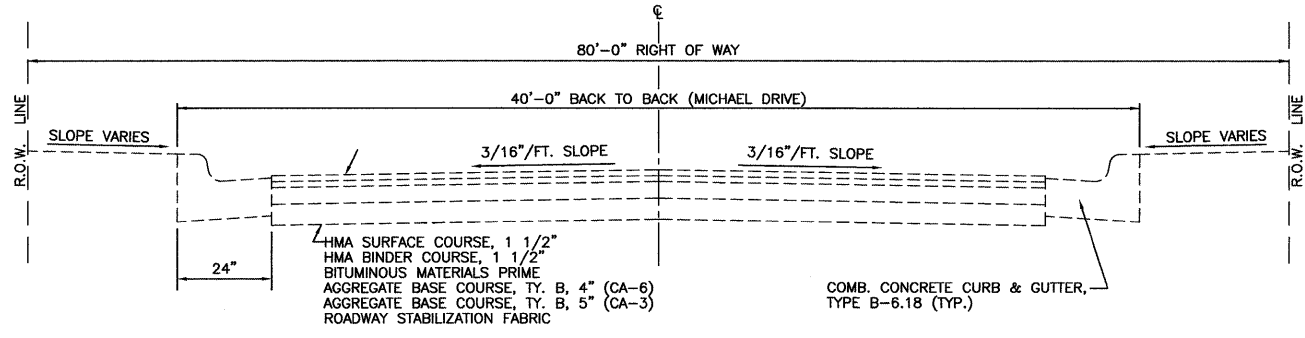


EXISTING EDGEWATER DRIVE SOUTH
N.T.S.

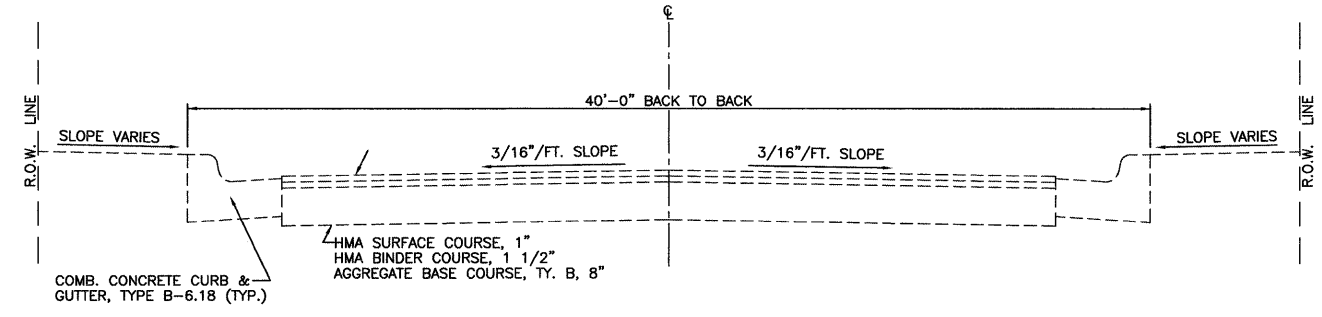
** VARIES 18' TO 26' (STA 96+71.39 TO STA. 97+71.39)
26' (STA. 97+71.39 TO STA. 99+35.36)



EXISTING WASHBURN DRIVE
N.T.S.
STA 11+85 TO STA 12+75



EXISTING MICHAEL DRIVE
N.T.S.



EXISTING LAKEWOOD DRIVE
N.T.S.

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Drawing Name: C:\Users\jchamblin\Documents\2010\10\11\10-11-10-11\10-11-10-11.dwg User: jchamblin Date: 10/11/11 9:51am by: jchamblin

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CHECKED BY: JKC	LEVEL	BY	DATE
DATE: 10/11			
			DESCRIPTION

CHAMBLIN & ASSOCIATES
PERU MORRIS ILLINOIS

FAU 5952 (US 6)
SECTION 10-00083-00-TL
CITY OF MORRIS
GRUNDY COUNTY

TYPICAL SECTIONS

CONSTRUCTION PLANS

CONTRACT NO. 87486	
CURRENT AS OF: 10/11	
SCALE: AS NOTED	SHEET 3A
FILE NO.: 6969.00 Y-	OF 70

CONSTRUCTION TYPE CODE 0021

ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY
20200100	EARTH EXCAVATION	CU YD	7340
20200200	ROCK EXCAVATION	CU YD	6
20800150	TRENCH BACKFILL	CU YD	79
25000210	SEEDING, CLASS 2A	ACRE	3
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	246
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	246
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	246
Δ 25100115	MULCH, METHOD 2	ACRE	3
25100630	EROSION CONTROL BLANKET	SQ YD	199
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	546
28000305	TEMPORARY DITCH CHECKS	FOOT	342
28000500	INLET AND PIPE PROTECTION	EACH	12
28100105	STONE RIPRAP, CLASS A3	SQ YD	9
31100910	SUBBASE GRANULAR MATERIAL, TYPE A 12"	SQ YD	10871
31101900	SUBBASE GRANULAR MATERIAL, TYPE C	TON	525
35101400	AGGREGATE BASE COURSE, TYPE B	TON	116
35400400	PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 9"	SQ YD	72
35501319	HOT-MIX ASPHALT BASE COURSE, 8 3/4"	SQ YD	5441
Δ 40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	136
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	132
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	2528
40600300	AGGREGATE (PRIME COAT)	TON	63
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	5
40600535	LEVELING BINDER (HAND METHOD), N70	TON	8
40600635	LEVELING BINDER (MACHINE METHOD), N70	TON	762
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	367
40600990	TEMPORARY RAMP	SQ YD	130
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	1327
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	43
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	34
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	8895
42400800	DETECTABLE WARNINGS	SQ FT	180
44000100	PAVEMENT REMOVAL	SQ YD	1862
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	2186
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	398
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	985
44000600	SIDEWALK REMOVAL	SQ FT	510

* - SPECIALTY ITEM
 Δ - SPECIAL PROVISION

ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY
44004250	PAVED SHOULDER REMOVAL	SQ YD	1036
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	5477
48101200	AGGREGATE SHOULDERS, TYPE B	TON	392
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	3602
50105220	PIPE CULVERT REMOVAL	FOOT	406
542A1060	PIPE CULVERTS, CLASS A, TYPE 2 15"	FOOT	153
542A5473	PIPE CULVERTS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 18"	FOOT	246
542A5479	PIPE CULVERTS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 24"	FOOT	148
542D5470	PIPE CULVERTS, CLASS D, TYPE 1 EQUIVALENT ROUND-SIZE 15"	FOOT	88
542D5473	PIPE CULVERTS, CLASS D, TYPE 1 EQUIVALENT ROUND-SIZE 18"	FOOT	59
542D5479	PIPE CULVERTS, CLASS D, TYPE 1 EQUIVALENT ROUND-SIZE 24"	FOOT	102
54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	1
54214923	PRECAST REINFORCED CONCRETE FLARED END SECTIONS - ARCH, EQUIVALENT ROUND-SIZE 18"	EACH	4
54214929	PRECAST REINFORCED CONCRETE FLARED END SECTIONS - ARCH, EQUIVALENT ROUND-SIZE 24"	EACH	2
54215760	METAL END SECTIONS, EQUIVALENT ROUND-SIZE 15"	EACH	4
54215763	METAL END SECTIONS, EQUIVALENT ROUND-SIZE 18"	EACH	2
54215769	METAL END SECTIONS, EQUIVALENT ROUND-SIZE 24"	EACH	4
55100700	STORM SEWER REMOVAL 15"	FOOT	101
55100900	STORM SEWER REMOVAL 18"	FOOT	36
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2
60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	1
60240215	INLETS, TYPE B, TYPE 1 FRAME, CLOSED LID	EACH	1
60255500	MANHOLES TO BE ADJUSTED	EACH	1
60260100	INLETS TO BE ADJUSTED	EACH	4
60500040	REMOVING MANHOLES	EACH	1
60500050	REMOVING CATCH BASINS	EACH	2
60604400	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18	FOOT	1010
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	475
Δ * 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	100
Δ * 66900450	SPECIAL WASTE PLANS AND REPORTS	L SUM	1
Δ * 66900530	SOIL DISPOSAL ANALYSIS	EACH	3
67100100	MOBILIZATION	L SUM	1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1
70102622	TRAFFIC CONTROL AND PROTECTION, STANDARD 701502	L SUM	1
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	30
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	3
70300100	SHORT TERM PAVEMENT MARKING	FOOT	1944

* - SPECIALTY ITEM
 Δ - SPECIAL PROVISION

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CHECKED BY: JKC	LEVEL	BY	DATE	DESCRIPTION
DATE: 10/11				


 PERU MORRIS
 ILLINOIS

FAU 5952 (US 6)
 SECTION 10-00083-00-TL
 CITY OF MORRIS
 GRUNDY COUNTY

SUMMARY OF QUANTITIES

CONSTRUCTION PLANS

CONTRACT NO. 87486	
CURRENT AS OF: 10/11	
SCALE: AS NOTED	SHEET 4
FILE NO.: 6969.00 Y-	OF 70

CONSTRUCTION TYPE CODE 0021

ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	421
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	15565
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	1146
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	1796
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	677
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	181
Δ 70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	8764
72000100	SIGN PANEL - TYPE 1	SQ FT	43
72000200	SIGN PANEL - TYPE 2	SQ FT	115
72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	5
72400310	REMOVE SIGN PANEL - TYPE 1	SQ FT	6
72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	6
73000100	WOOD SIGN SUPPORT	FOOT	42
* 78000100	THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	421
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	15565
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1146
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	1796
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	677
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	181
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	170
Δ 78300100	PAVEMENT MARKING REMOVAL	SQ FT	50
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	48
* 80500200	SERVICE INSTALLATION, TYPE B	EACH	1
* 81028320	UNDERGROUND CONDUIT, PVC, 1" DIA.	FOOT	691
* 81028340	UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	4
* 81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	888
* 81028360	UNDERGROUND CONDUIT, PVC, 2 1/2" DIA.	FOOT	116
* 81028370	UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	238
* 81028390	UNDERGROUND CONDUIT, PVC, 4" DIA.	FOOT	128
* 81100500	CONDUIT ATTACHED TO STRUCTURE, 1 1/2" DIA., GALVANIZED STEEL	FOOT	13
* 81400700	HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	8
* 81400720	DOUBLE HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	1
* 81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	2172
* 82102250	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT	EACH	4
Δ * X8510225	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
Δ * 85800300	FLASHER CONTROLLER, WITHOUT CABINET	EACH	1
* - SPECIALTY ITEM			
Δ - SPECIAL PROVISION			

ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY
* 86200300	UNINTERRUPTIBLE POWER SUPPLY, EXTENDED	EACH	1
* 87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	2017
* 87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1467
* 87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	947
* 87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1716
* 87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	2945
* 87301705	ELECTRIC CABLE IN CONDUIT, COMMUNICATION NO. 18 3 PAIR	FOOT	963
* 87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	15
* 87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1 C	FOOT	1465
* 87502460	TRAFFIC SIGNAL POST, GALVANIZED STEEL 12 FT.	EACH	2
* 87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	3
* 87702920	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 38 FT.	EACH	1
* 87702940	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 42 FT.	EACH	1
* 87702960	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 46 FT.	EACH	1
* 87702980	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 50 FT.	EACH	1
* 87800100	CONCRETE FOUNDATION, TYPE A	FOOT	15
* 87800150	CONCRETE FOUNDATION, TYPE C	FOOT	3.5
* 87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	52
* 88040030	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 1-SECTION, POST MOUNTED	EACH	1
* 88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	4
* 88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4
* 88040160	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	4
* 88102825	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	8
* 88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	12
* 88500100	INDUCTIVE LOOP DETECTOR	EACH	15
* 88600100	DETECTOR LOOP, TYPE I	FOOT	1741
Δ * 88700200	LIGHT DETECTOR	EACH	4
Δ * 88700300	LIGHT DETECTOR AMPLIFIER	EACH	1
Δ * 88800100	PEDESTRIAN PUSH-BUTTON	EACH	8
Δ * X8250210	PHOTOCELL RELAY	EACH	1
Δ Z0013798	CONSTRUCTION LAYOUT	L SUM	1
Δ Z0056610	STORM SEWER (WATER MAIN REQUIREMENTS) 15 INCH	FOOT	116
Δ Z0056612	STORM SEWER (WATER MAIN REQUIREMENTS) 18 INCH	FOOT	72
* - SPECIALTY ITEM			
Δ - SPECIAL PROVISION			

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CHECKED BY: JKC	LEVEL	BY	DATE
DATE: 10/11			

CHAMLIN & ASSOCIATES
PERU MORRIS ILLINOIS

FAU 5952 (US 6)
SECTION 10-00083-00-TL
CITY OF MORRIS
GRUNDY COUNTY

SUMMARY OF QUANTITIES

CONSTRUCTION PLANS

CURRENT AS OF: 10/11	
SCALE: AS NOTED	SHEET 5
FILE NO.: 6969.00 Y-	OF 70

CONTRACT NO. 87486

EARTHWORK SCHEDULE				
LOCATION	EARTH EXCAVATION CU. YD.	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE CU. YD.	EMBANKMENT CU. YD.	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) CU. YD.
MAINLINE				
STA. 500+68.71 TO EDGEWATER - NORTH	847.0	635.3	243.0	392.3
STA. 500+68.71 TO EDGEWATER - SOUTH	514.0	385.5	338.0	47.5
EDGEWATER TO MICHAEL - NORTH	2254.0	1690.5	550.0	1140.5
EDGEWATER TO WASHBURN - SOUTH	579.0	434.3	297.0	137.3
WASHBURN TO LAKEWOOD - SOUTH	1811.0	1358.3	389.0	969.3
MICHAEL TO STA. 527+12.93 - NORTH	851.0	638.3	352.0	286.3
LAKEWOOD TO STA. 527+12.93 - SOUTH	484.0	363.0	293.0	70.0
TOTAL	7340	5505	2462	3043
NOTE - SIDEROAD EARTHWORK QUANTITIES INCLUDED IN MAINLINE QUANTITIES.				FURNISHED EXCAVATION

RESURFACING SCHEDULE							
LOCATION	LENGTH FOOT	BITUMINOUS MATERIALS (PRIME COAT) GALLON	AGGREGATE (PRIME COAT) TON	MIXTURE FOR CRACKS JOINTS & FLANGEWAYS TON	LEVELING BINDER (HAND METHOD) TON	LEVELING BINDER (MACHINE METHOD) TON	HMA SURFACE COURSE TON
MAINLINE							
STA. 500+68.71 TO STA. 501+28.71	60	31.1	0.8	0.1	0.1	10.9	16.3
STA. 501+28.71 TO STA. 504+08.63	279.35	154.4	3.9	0.3	0.5	54.0	81.1
STA. 504+08.63 TO STA. 526+50.19	2241.99	1515.2	37.9	2.8	4.7	530.3	795.5
STA. 526+50.19 TO STA. 527+12.93	62.88	38.6	1.0	0.1	0.1	13.5	20.3
STA. 527+12.93 TO STA. 528+90.00	177.07	92.2	2.3	0.2	0.3	32.3	48.4
STA. 528+90.00 TO STA. 529+50.00	60	27.7	0.7	0.1	0.1	9.7	14.8
SIDE STREETS							
EDGEWATER DRIVE - NORTH		64.7	1.6	0.1	0.2	22.6	34.0
EDGEWATER DRIVE - SOUTH		242.1	6.1	0.5	0.8	21.2	127.1
WASHBURN DRIVE - SOUTH		89.7	2.2	0.2	0.3	20.7	47.1
MICHAEL DRIVE - NORTH		48.2	1.2	0.1	0.2	16.9	25.3
LAKEWOOD DRIVE - SOUTH		223.9	5.6	0.4	0.7	30.2	117.5
TOTAL	2881.29	2528	63	5	8	762	1327

COMBINATION CONCRETE CURB & GUTTER SCHEDULE			
LOCATION	CC&G REMOVAL FOOT	CC&G TYPE B-6.18 FOOT	CC&G TYPE B-6.24 FOOT
EDGEWATER DRIVE			
NW QUAD	27.2	98.8	
NE QUAD	33.5	101.7	
SW QUAD	68.3	126.6	
SE QUAD	67.6	149.1	
WASHBURN DRIVE *			
NE QUAD	6.2	56.6	
SE QUAD	4.1	13.3	
MEDIAN	17.5	56.6	
LAKEWOOD/MICHAEL DRIVE			
NW QUAD		75.7	
NE QUAD		75.2	
SW QUAD	142.6	125.0	
SE QUAD	144.1	131.6	
U.S. 6			
STA. 527+12.93 TO 529+50.00 LT.	236.1		237.3
STA. 527+12.93 TO 529+50.00 RT.	238.0		237.3
TOTAL	985	1010	475

SEEDING						
LOCATION	NITROGEN FERTILIZER NUTRIENT POUND	PHOSPHORUS FERTILIZER NUTRIENT POUND	POTASSIUM FERTILIZER NUTRIENT POUND	SEEDING, CLASS 2A ACRE	MULCH, METHOD 2 ACRE	TEMPORARY EROSION CONTROL SEEDING POUND
STA. 500+68.71 TO EDGEWATER - NORTH	35	35	35	0.4	0.4	76.9
STA. 500+68.71 TO EDGEWATER - SOUTH	32	32	32	0.4	0.4	70.4
EDGEWATER TO MICHAEL - NORTH	46	46	46	0.5	0.5	101.8
EDGEWATER TO WASHBURN - SOUTH	37	37	37	0.4	0.4	82.9
WASHBURN TO LAKEWOOD - SOUTH	30	30	30	0.3	0.3	66.0
MICHAEL TO STA. 529+50.00 - NORTH	39	39	39	0.4	0.4	85.9
LAKEWOOD TO STA. 529+50.00 - SOUTH	28	28	28	0.3	0.3	62.2
TOTAL	246	246	246	3	3	546

DRIVEWAY & ENTRANCE SCHEDULE							
LOCATION	DRIVEWAY WIDTH FOOT	DRIVEWAY PAVEMENT REMOVAL SQ. YD.	PCC DRIVEWAY PAVEMENT 8" SQ. YD.	AGG BASE COURSE, TYPE B TON	INCIDENTAL HMA SURFACING TON	AGG SURFACE COURSE, TYPE B TON	AGGREGATE FOR TEMPORARY ACCESS TON
STA. 503+61.66, RT. (C.E.)	30.0	185.6	—	61.2	22.5	—	30.1
STA. 504+17.60, LT. (F.E.)	20.0	—	—	—	—	42.2	20.8
STA. 512+42.45, LT. (C.E.)	34.0	173.9	—	54.6	20.0	—	26.9
STA. 520+85.21, LT. (F.E.)	17.0	—	—	—	—	36.9	18.2
STA. 526+67.94, LT. (F.E.)	28.0	—	—	—	—	56.9	28.0
STA. 528+26.30, RT. (C.E.)	26.0	38.2	34.1	—	—	—	7.7
TOTAL	INFO ONLY	398	34	116	43	136	132

PAVEMENT WIDENING SCHEDULE					
LOCATION	PAVED SHOULDER REMOVAL SQ. YD.	PAVEMENT REMOVAL SQ. YD.	SUB-BASE GRAN. MATL. TYPE A 12" SQ. YD.	HOT-MIX ASPHALT BASE COURSE, 8 3/4" SQ. YD.	PCC BASE COURSE WIDENING 9" SQ. YD.
MAINLINE					
STA. 500+68.71 TO STA. 504+08.63	113.5	—	842.6	156.0	—
STA. 504+08.63 TO STA. 526+50.19	894.6	—	6606.2	3117.0	—
STA. 526+50.19 TO STA. 527+12.93	27.9	—	192.2	132.5	—
STA. 527+12.93 TO STA. 528+90.00	—	—	208.8	—	67.6
STA. 528+90.00 TO STA. 529+50.00	—	—	50.2	—	4.8
SIDE STREETS					
EDGEWATER DRIVE - NORTH	—	623.3	493.5	424.8	—
EDGEWATER DRIVE - SOUTH	—	412.2	860.5	379.0	—
WASHBURN DRIVE - SOUTH	—	—	410.8	369.7	—
MICHAEL DRIVE - NORTH	—	406.9	374.3	322.5	—
LAKEWOOD DRIVE - SOUTH	—	419.9	831.9	539.1	—
TOTAL	1036	1862	10871	5441	72

SHOULDER SCHEDULE			
LOCATION	HOT-MIX ASPHALT SHOULDER, 8" SQ. YD.	SUBBASE GRANULAR MATERIAL, TYPE C TON	AGGREGATE SHOULDERS, TYPE B TON
STA. 500+68.71 TO EDGEWATER - NORTH	555.8	73.8	74.2
STA. 500+68.71 TO EDGEWATER - SOUTH	551.6	65.6	58.0
EDGEWATER TO MICHAEL - NORTH	1000.2	176.3	100.5
EDGEWATER TO WASHBURN - SOUTH	434.7	63.6	46.7
WASHBURN TO LAKEWOOD - SOUTH	393.5	53.3	42.8
MICHAEL TO STA. 527+12.93 - NORTH	366.7	55.4	35.1
LAKEWOOD TO STA. 527+12.93 - SOUTH	299.7	36.9	34.7
TOTAL	3602	525	392

TEMPORARY RAMP SCHEDULE	
LOCATION	TEMPORARY RAMP SQ. YD.
MAINLINE	
STA. 500+68.71.00	13.3
STA. 529+50.00	14.4
SIDE STREETS	
EDGEWATER DRIVE - NORTH	20.0
EDGEWATER DRIVE - SOUTH	22.2
WASHBURN DRIVE - SOUTH	20.0
MICHAEL DRIVE - NORTH	20.0
LAKEWOOD DRIVE - SOUTH	20.0
TOTAL	130


SIDEWALK SCHEDULE			
LOCATION	SIDEWALK REMOVAL SQ. FT.	PCC SIDEWALK 4" SQ. FT.	DETECTABLE WARNINGS SQ. FT.
EDGEWATER - NW QUAD		301.1	20.0
EDGEWATER - NE QUAD	145.8	315.7	20.0
EDGEWATER - SW QUAD		672.2	20.0
EDGEWATER TO WASHBURN		3855.0	30.0
WASHBURN TO LAKEWOOD	125.5	2748.2	30.0
MICHAEL - NW QUAD		309.2	20.0
MICHAEL - NE QUAD		310.7	20.0
LAKEWOOD - SE QUAD	238.4	382.9	20.0
TOTAL	510	8895	180

PAVEMENT MARKING SCHEDULE																
LOCATION	TEMPORARY PAVEMENT MARKING					THERMOPLASTIC PAVEMENT MARKING					RAISED REFLECTIVE PAVEMENT MARKERS EACH	SHORT TERM PAVEMENT MARKING FOOT	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL EACH	PAVEMENT MARKING REMOVAL SQ. FT.	WORK ZONE PAV'T MARKING REM. SQ. FT.	
	LETTERS & SYMBOLS SQ. FT.	LINE 4" FOOT	LINE 6" FOOT	LINE 8" FOOT	LINE 12" FOOT	LINE 24" FOOT	LETTERS & SYMBOLS SQ. FT.	LINE 4" FOOT	LINE 6" FOOT	LINE 8" FOOT						LINE 12" FOOT
MAINLINE																
STA. 495+80.26 TO STA. 508+50.79	46.8	4452	236	237	205	—	46.8	4452	236	237	205	—	46	608	16	2113.0
STA. 508+50.79 TO STA. 515+68.68	46.8	3439	108	237	284	—	46.8	3439	108	237	284	—	45	552	9	1781.0
STA. 515+68.68 TO STA. 522+16.62	93.6	2241	106	449	—	30	93.6	2241	106	449	—	30	38	288	8	1301.0
STA. 522+16.62 TO STA. 534+20.05	46.8	3483	239	197	188	24	46.8	3483	239	197	188	24	41	320	15	1769
SIDE STREETS																
EDGEWATER DRIVE - NORTH	31.2	500	73	149	—	24	31.2	500	73	149	—	24	—	8	—	383.0
EDGEWATER DRIVE - SOUTH	31.2	490	108	147	—	29	31.2	490	108	147	—	29	—	72	—	416.0
WASHBURN DRIVE - SOUTH	62.4	—	99	88	—	24	62.4	—	99	88	—	24	—	8	—	220.0
MICHAEL DRIVE - NORTH	31.2	490	73	147	—	24	31.2	490	73	147	—	24	—	16	—	380.0
LAKEWOOD DRIVE - SOUTH	31.2	470	104	145	—	26	31.2	470	104	145	—	26	—	72	—	401.0
TOTAL	421	15565	1146	1796	677	181	421	15565	1146	1796	677	181	170	1944	48	8764

STRIP REFLECTIVE CRACK CONTROL SCHEDULE	
LOCATION	STRIP REFLECTIVE CRACK CONTROL FOOT
MAINLINE	
STA. 501+28.71 TO STA. 504+08.06	559
STA. 504+08.06 TO STA. 526+50.05	4484
STA. 526+50.05 TO STA. 527+12.93	126
STA. 527+12.93 TO STA. 528+66.76	308
TOTAL	5477

HMA SURFACE REMOVAL		
LOCATION	HMA SURFACE REMOVAL - BUTT JOINT SQ. YD.	HMA SURFACE REMOVAL - 1 1/2" SQ. YD.
MAINLINE		
STA. 500+68.71.00 TO STA. 501+28.71	194.2	—
STA. 528+90.00 TO STA. 529+50.00	173.3	—
SIDE STREETS		
EDGEWATER DRIVE - SOUTH	—	1139.0
WASHBURN DRIVE - SOUTH	—	191.3
LAKEWOOD DRIVE - SOUTH	—	855.4
TOTAL	367	2186

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DRAWN BY: CHAMS CHECKED BY: JKC DATE: 10/11	REVISIONS LEVEL BY DATE DESCRIPTION	 PERU MORRIS ILLINOIS	FAU 5952 (US 6) SECTION 10-00083-00-TL CITY OF MORRIS GRUNDY COUNTY	SCHEDULE OF QUANTITIES	CONTRACT NO. 87486 CURRENT AS OF: 10/11 SCALE: AS NOTED FILE NO.: 6969.00 Y-- OF 70	CONSTRUCTION PLANS SHEET 6 OF 70
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CULVERT AND SEWER SCHEDULE

LOCATION	TRENCH BACKFILL	PIPE CULVERTS, CLASS A, TYPE 2, 18"	PIPE CULVERTS, CLASS A, TYPE 1, EQUIVALENT ROUND SIZE 18"	PIPE CULVERTS, CLASS A, TYPE 1, EQUIVALENT ROUND SIZE 24"	PIPE CULVERTS, CLASS D, TYPE 1, EQUIVALENT ROUND SIZE 18"	PIPE CULVERTS, CLASS D, TYPE 1, EQUIVALENT ROUND SIZE 18"	PIPE CULVERTS, CLASS D, TYPE 1, EQUIVALENT ROUND SIZE 24"	STORM SEWER (WATER MAIN REQUIREMENTS) 18"	STORM SEWER (WATER MAIN REQUIREMENTS) 18"	PRECAST REINF. CONC. FLARED END SECT. 18"	PRECAST REINF. CONC. FLARED END SECT. - ARCH, EQUIVALENT ROUND SIZE 18"	PRECAST REINF. CONC. FLARED END SECT. - ARCH, EQUIVALENT ROUND SIZE 24"	METAL END SECTIONS, EQUIVALENT ROUND SIZE 18"	METAL END SECTIONS, EQUIVALENT ROUND SIZE 18"	METAL END SECTIONS, EQUIVALENT ROUND SIZE 24"	MANHOLES, TYPE A, 4' DIAMETER, TYPE 1 FRAME, CLOSED LID	INLETS, TYPE A, TYPE 8 GRATE	INLETS, TYPE B, TYPE 1 FRAME, CLOSED LID	EROSION CONTROL BLANKET	STONE RIPRAP, CLASS A3	MANHOLES TO BE ADJUSTED	INLETS TO BE ADJUSTED
	CU. YD.	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	SQ. YD.	SQ. YD.	EACH	EACH
MAINLINE																						
STA. 503+28.42 TO STA. 503+92.83, RT.	6.0				52								2						23			
STA. 503+93.60 TO STA. 504+41.60, LT.	6.0				36								2						23			
STA. 507+75.00 TO STA. 509+35.00, RT.	16.0		148								2								23			
STA. 509+35.00 TO STA. 509+45.00, RT.																				9		
STA. 512+07.00 TO STA. 512+77.95, LT.	9.0					59									2				23			
STA. 515+14.00 TO STA. 516+24.00, RT.	0.0		98								2								23			
STA. 520+64.00 TO STA. 521+09.71, LT.	6.0						52								2				25			
STA. 521+40.00 TO STA. 523+00.00, LT.	6.0			148								2							25			
STA. 521+25.00, 47.0' RT.																	1					
STA. 521+72.00, 47.0' RT.																						
STA. 521+25.00 TO STA. 521+72.00, RT.	3.0								45													
STA. 521+87.20, 71.0' RT.																						
STA. 521+72.00 TO STA. 521+87.20, RT.	8.0								27													
STA. 522+90.00, 45.0' RT.																						
STA. 521+72.00 TO STA. 522+90.00, RT.	10.0							116														
STA. 522+90.00 TO STA. 524+50.00, RT.		153																				
STA. 524+50.00, 40.5' RT.										1									10			
STA. 526+37.00 TO STA. 526+99.00, LT.	9.0						50								2				25			
SIDE STREETS																						
MICHAEL DRIVE																						
STA. 200+67.49, 5.63' RT.																					1	
STA. 200+73.36, 19.10' RT.																						1
STA. 200+74.31, 19.49' LT.																						1
STA. 200+82.20, 19.41' LT.																						1
STA. 200+84.51, 19.13' RT.																						1
TOTAL	79	153	246	148	88	59	102	116	72	1	4	2	4	2	4	2	1	1	199	9	1	4

SIGN SCHEDULE

LOCATION	SIGN PANEL - TYPE 1	WOOD SIGN SUPPORT	REMOVE SIGN PANEL ASSEMBLY - TYPE A	REMOVE SIGN PANEL - TYPE 1	RELOCATE SIGN PANEL ASSEMBLY - TYPE A *
	SQ. FT.	FOOT	EACH	SQ. FT.	EACH
MAINLINE					
STA. 500+50, RT	9	14			
STA. 511+87.84, RT				6	1
STA. 514+32.64, LT					1
STA. 517+94.38, RT	6.25	13			
STA. 520+32.23, LT					1
STA. 520+90.82, RT					1
STA. 528+75.07, LT			1		
EDGEWATER DRIVE					
STA. 99+37.86, RT					1
STA. 200+62.31, LT					1
WASHBURN DRIVE					
STA. 12+72.95, RT	7.5	15			
LAKWOOD/MICHAEL DRIVE INTERSECTION			4		
TOTAL	23	42	5	6	6

* - INCLUDES NEW WOOD SIGN SUPPORT

CULVERT AND SEWER REMOVAL SCHEDULE

LOCATION	PIPE CULVERT REMOVAL	STORM SEWER REMOVAL 15"	STORM SEWER REMOVAL 18"	REMOVING MANHOLES	REMOVING CATCH BASINS
	FOOT	FOOT	FOOT	EACH	EACH
STA. 503+28.42 TO STA. 503+92.83, RT	64				
STA. 504+02.27 TO STA. 504+32.85, LT	31				
STA. 508+13.89 TO STA. 508+96.73, RT	83				
STA. 512+08.90 TO STA. 512+65.55, LT	57				
STA. 520+82.54 TO STA. 521+07.04, LT	45				
STA. 521+64.61, 37.8' RT					1
STA. 521+64.61, 37.8' RT TO STA. 521+87.27, 65.8' RT			36		
STA. 521+64.61, 37.8' RT TO STA. 522+65.53, 38.4' RT		101			
STA. 521+69.33 TO STA. 522+58.30, LT	89				
STA. 521+87.27, 65.8' RT				1	
STA. 522+65.53, 38.4' RT					1
STA. 526+49.89 TO STA. 506+86.43, LT	37				
TOTAL	406	101	36	1	2

TEMPORARY EROSION CONTROL

LOCATION	TEMPORARY DITCH CHECKS	INLET AND PIPE PROTECTION
	FOOT	EACH
STA. 501+50, LT & RT	18	
STA. 503+00, LT	9	
STA. 503+28.42, 38.5' RT		1
STA. 503+93.60, 45' LT		1
STA. 504+50, LT & RT	18	
STA. 505+00, LT & RT	18	
STA. 505+25, RT	9	
STA. 505+50, LT & RT	18	
STA. 505+75, RT	9	
STA. 506+00, LT & RT	18	
STA. 506+25, RT	9	
STA. 506+50, LT & RT	18	
STA. 506+75, RT	9	
STA. 507+00, LT & RT	18	
STA. 507+25, RT	9	
STA. 507+50, LT & RT	18	
STA. 507+75, 46' RT		1
STA. 507+75, 38' LT		1
STA. 509+50, LT	9	
STA. 510+00, LT & RT	18	
STA. 510+50, LT	9	
STA. 511+00, LT	9	
STA. 511+50, LT	9	
STA. 511+75, RT	9	
STA. 512+07.0, 37.5' LT		1
STA. 513+00, LT	9	
STA. 513+25, RT	9	
STA. 514+75, LT	9	
STA. 515+14, 38.5' RT		1
STA. 516+75, LT	9	
STA. 517+25, RT	9	
STA. 518+75, LT	9	
STA. 519+25, RT	9	
STA. 520+64, 41' LT		1
STA. 521+25, 47' RT		1
STA. 521+40, 41' LT		1
STA. 524+50, LT	9	
STA. 524+50, RT		1
STA. 525+75, RT	9	
STA. 526+37, 42' LT		1
STA. 528+00, 28.7' RT		1
TOTAL	342	12

CONTRACT NO. 87486

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Drawing Name: C:\Users\B\18869-00 - Morris - STU\CAD\PLANS - SCHEDULE.dwg, Last Modified: Oct 14, 2011, 11:25am by morris

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CHECKED BY: JKC	LEVEL	BY	DATE	DESCRIPTION
DATE: 10/11				

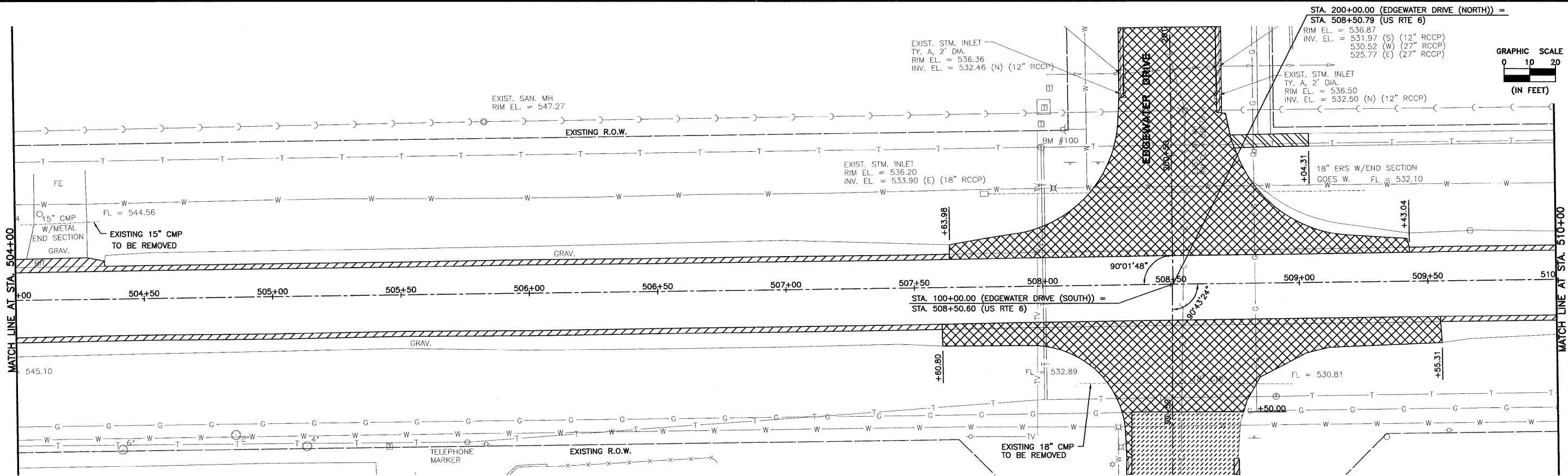
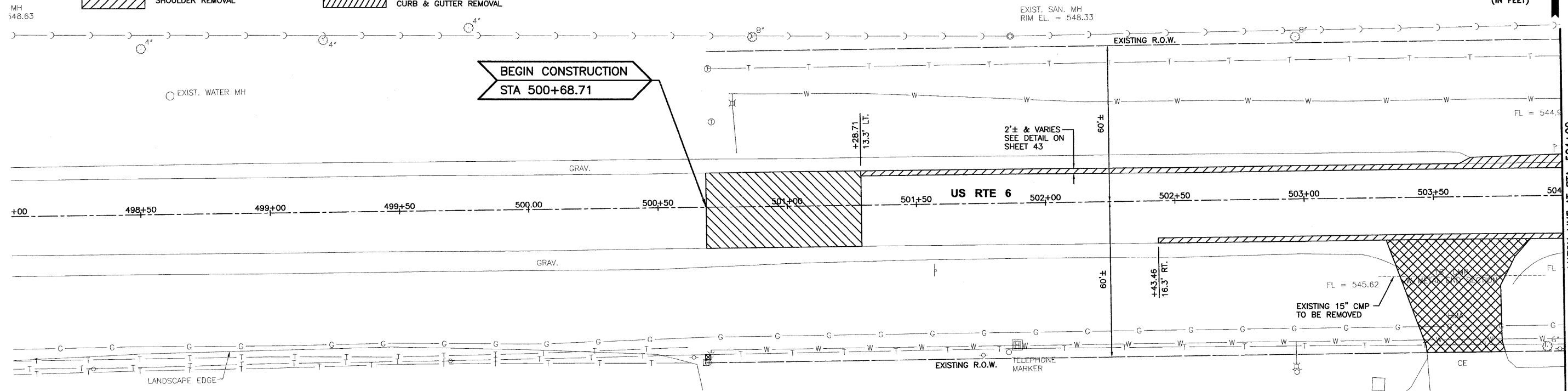
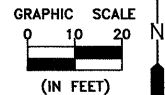


PERU MORRIS
ILLINOIS
FAU 5952 (US 6)
SECTION 10-00083-00-TL
CITY OF MORRIS
GRUNDY COUNTY

SCHEDULE OF QUANTITIES

CONSTRUCTION PLANS	CURRENT AS OF: 10/11	
	SCALE: AS NOTED	SHEET 7
	FILE NO.: 6969.00 Y-	OF 70

- HOT-MIX ASPHALT SURFACE REMOVAL, BUTT JOINT
- HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"
- SHOULDER REMOVAL
- SIDEWALK REMOVAL
- PAVEMENT REMOVAL & DRIVEWAY PAVEMENT REMOVAL
- COMBINATION CONCRETE CURB & GUTTER REMOVAL



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CHECKED BY: JKC	LEVEL	BY	DATE	DESCRIPTION
DATE: 10/11				

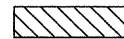
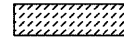
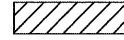
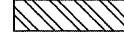

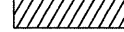
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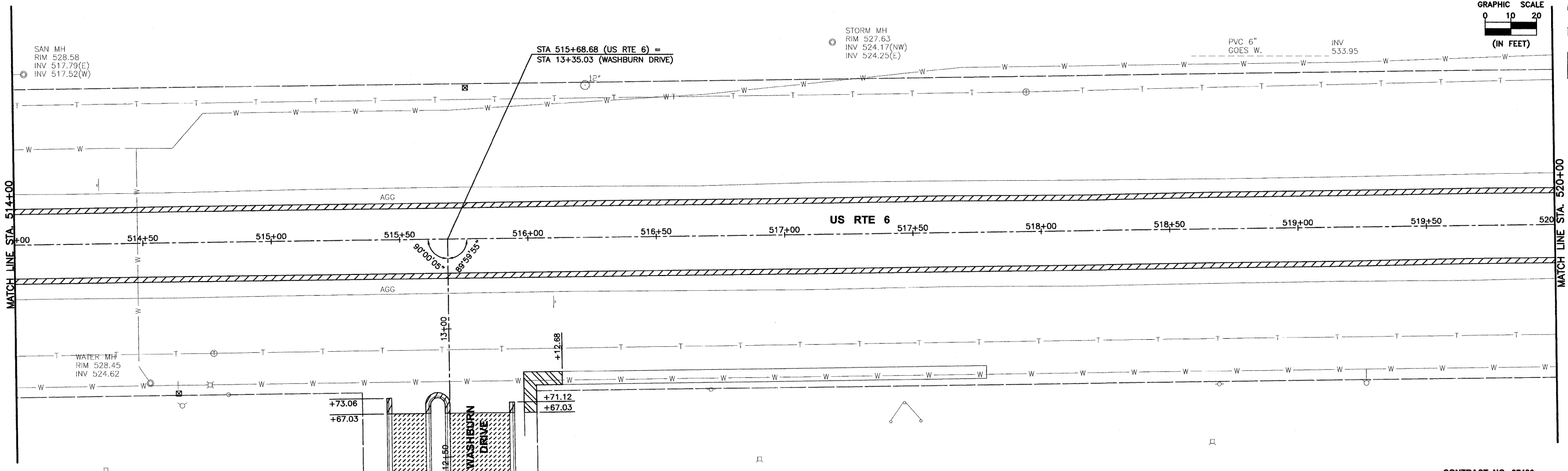
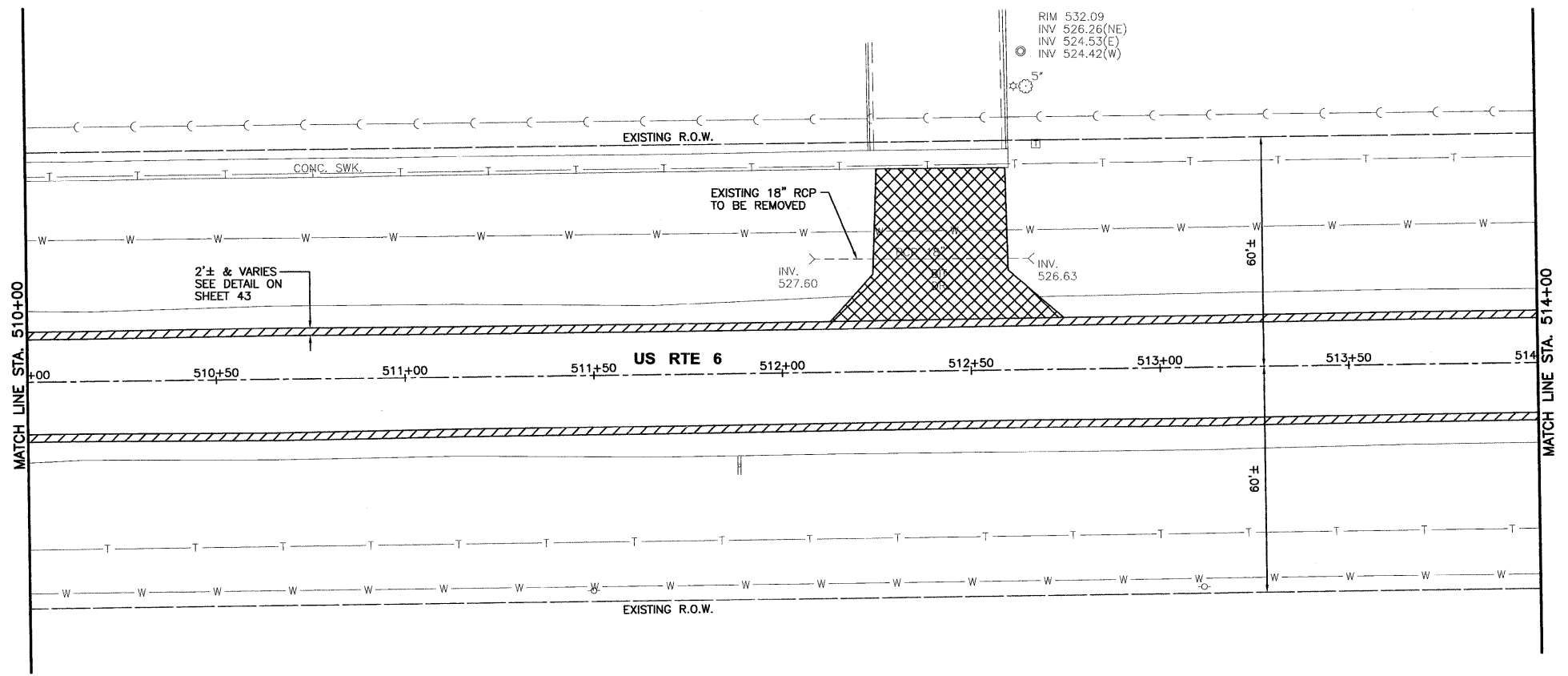
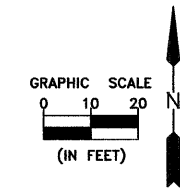
FAU 5952 (US 6)
SECTION 10-00083-00-TL
CITY OF MORRIS
GRUNDY COUNTY

REMOVAL PLANS
US 6
STA. 500+68.71 TO STA. 510+00

CONTRACT NO. 87486

CURRENT AS OF: 10/11	
SCALE: AS NOTED	SHEET 8
FILE NO.: 6969.00 Y-	OF 70

-  HOT-MIX ASPHALT SURFACE REMOVAL, BUTT JOINT
-  HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"
-  SHOULDER REMOVAL
-  SIDEWALK REMOVAL
-  PAVEMENT REMOVAL & DRIVEWAY PAVEMENT REMOVAL
-  COMBINATION CONCRETE CURB & GUTTER REMOVAL



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Drawing Name: C:\Users\jcham\OneDrive\Documents\10-00083-00-TL\10-00083-00-TL.dwg, Sep 22, 2011, 9:12 am, Plotted on: Oct 13, 2011, 10:05 am, by nancq

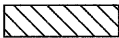


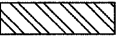

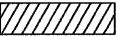
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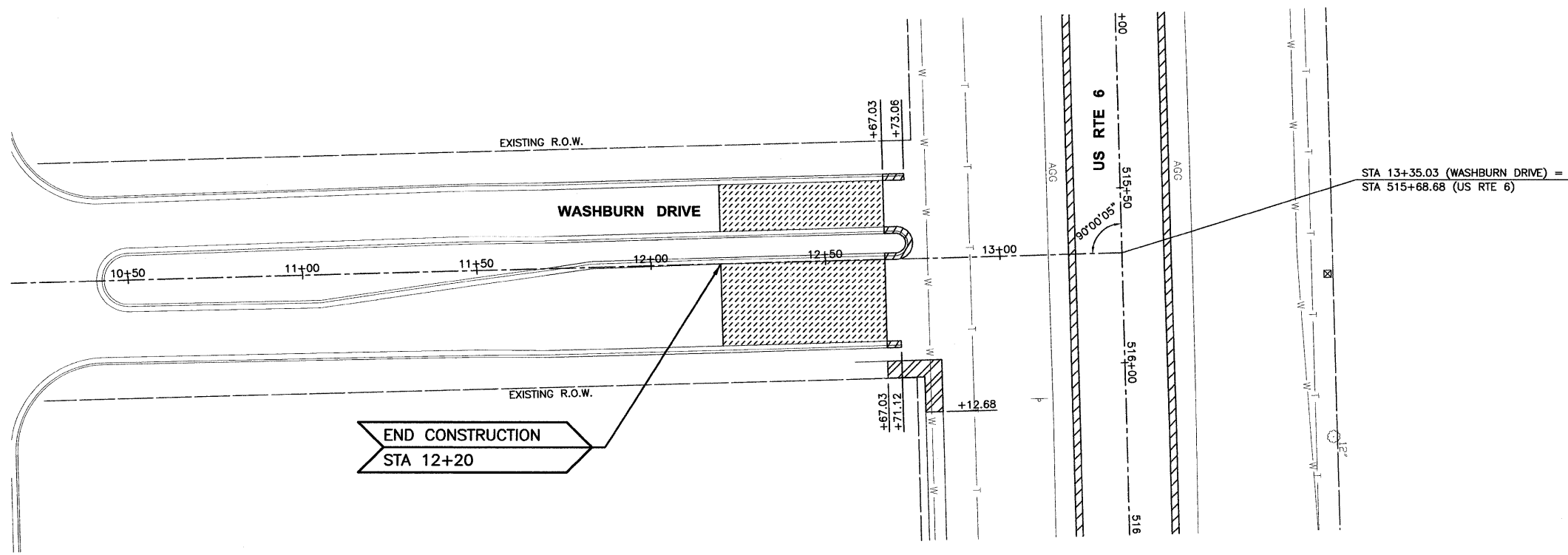
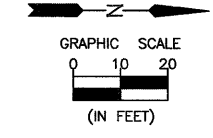
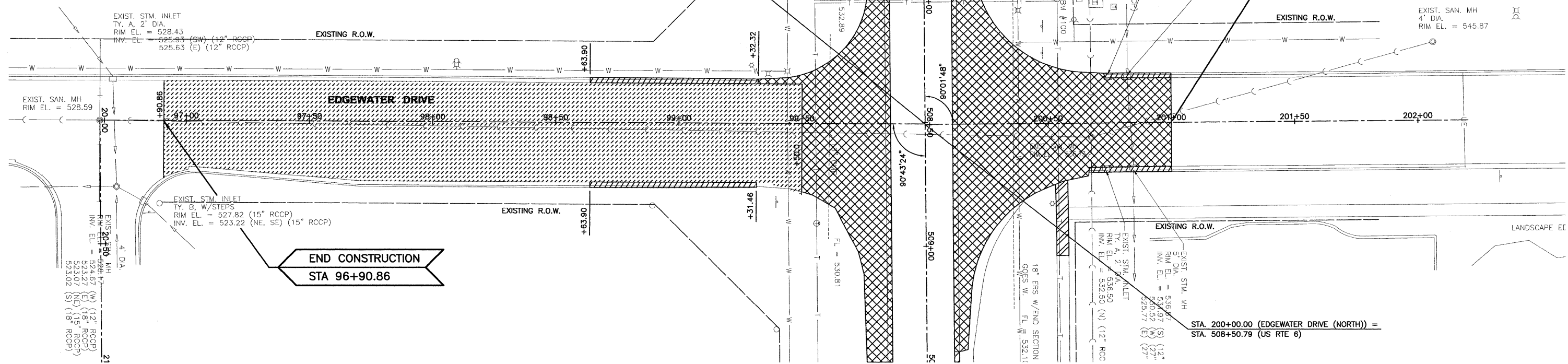
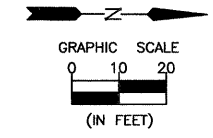
FAU 5952 (US 6)
SECTION 10-00083-00-TL
CITY OF MORRIS
GRUNDY COUNTY

REMOVAL PLANS
US 6
STA. 510+00 TO STA. 520+00

CONSTRUCTION PLANS	CONTRACT NO. 87486	
	CURRENT AS OF: 10/11	
	SCALE: AS NOTED	SHEET 9
	FILE NO.: 6969.00 Y-	OF 70

-  HOT-MIX ASPHALT SURFACE REMOVAL, BUTT JOINT
-  HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"
-  SHOULDER REMOVAL
-  SIDEWALK REMOVAL
-  PAVEMENT REMOVAL & DRIVEWAY PAVEMENT REMOVAL
-  COMBINATION CONCRETE CURB & GUTTER REMOVAL

STA. 100+00.00 (EDGEWATER DRIVE (SOUTH)) =
STA. 508+50.60 (US RTE 6)



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 Drawing Name: C:\Users\jmorris\Documents\STU\CAD\PLANS-STU\011-REMEDOC-WASH.dwg, Last Modified: Oct. 13, 2011 - 9:30am Plotted on: Oct. 13, 2011 - 10:07am by nancq

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CHECKED BY: JKC	LEVEL	BY	DATE	DESCRIPTION
DATE: 10/11				

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PERU MORRIS ILLINOIS

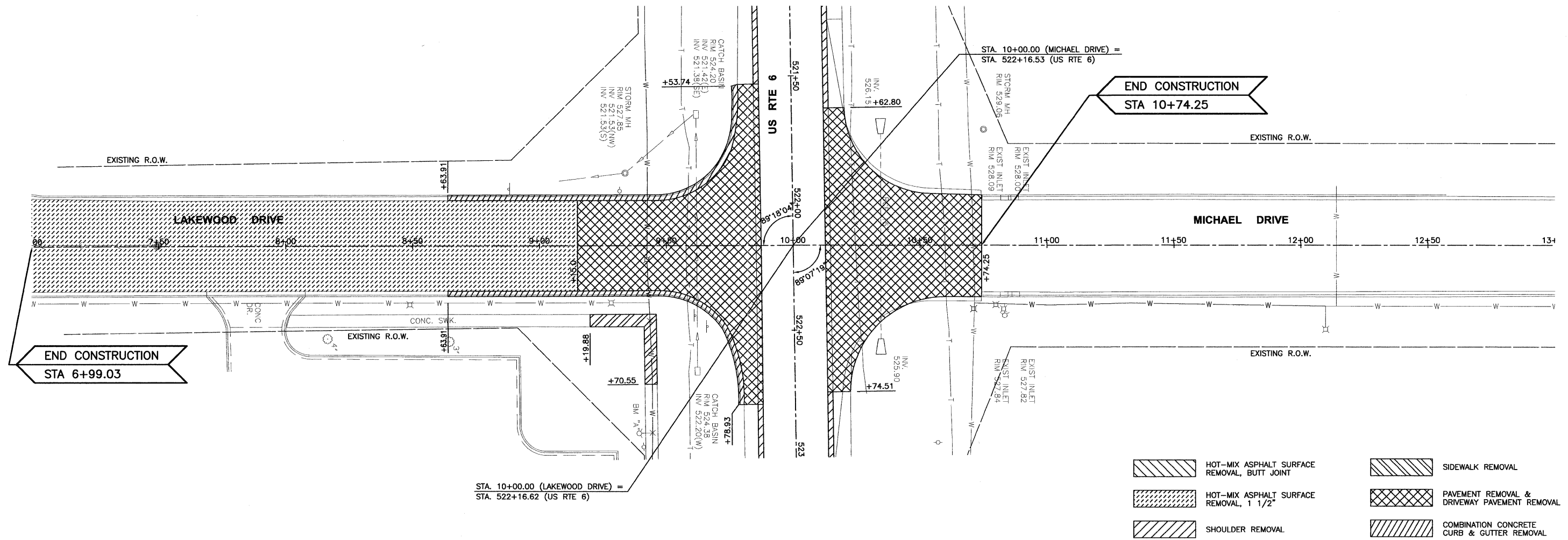
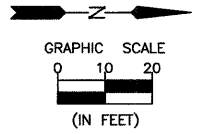
FAU 5952 (US 6)
SECTION 10-00083-00-TL
CITY OF MORRIS
GRUNDY COUNTY

REMOVAL PLANS
EDGEWATER DRIVE AND
WASHBURN DRIVE

CONSTRUCTION
PLANS

CONTRACT NO. 87486

CURRENT AS OF: 10/11	
SCALE: AS NOTED	SHEET 11
FILE NO.: 6969.00 Y-	OF 70



- HOT-MIX ASPHALT SURFACE REMOVAL, BUTT JOINT
- HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"
- SHOULDER REMOVAL
- SIDEWALK REMOVAL
- PAVEMENT REMOVAL & DRIVEWAY PAVEMENT REMOVAL
- COMBINATION CONCRETE CURB & GUTTER REMOVAL

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CHECKED BY: JKC	LEVEL	BY	DATE
DATE: 10/11			

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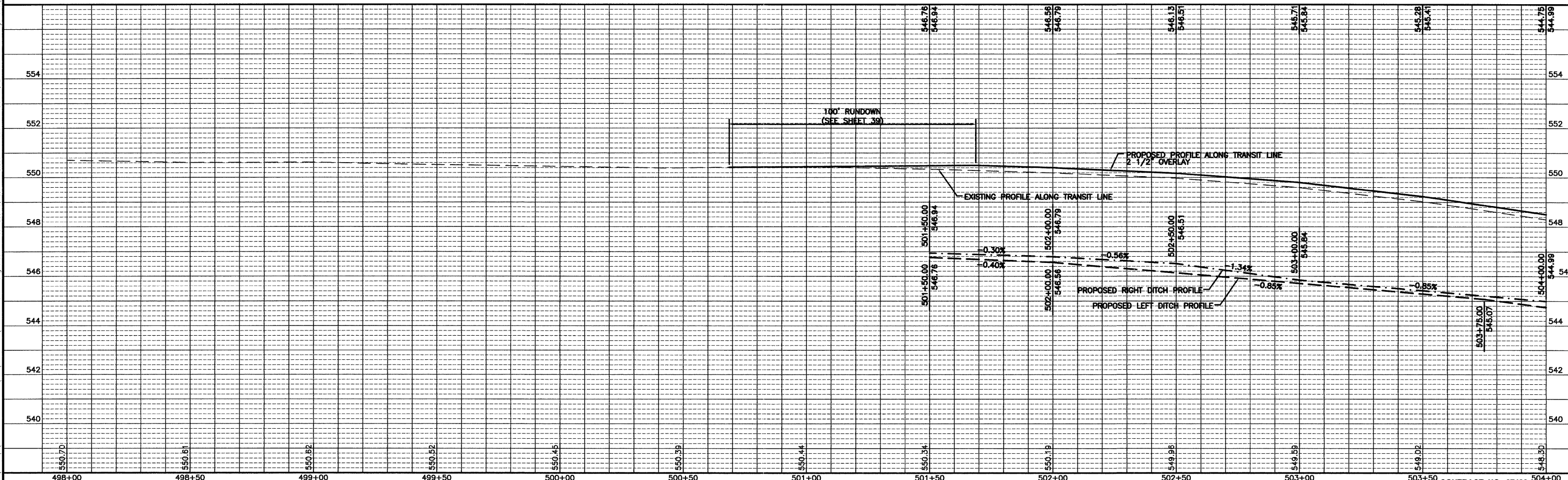
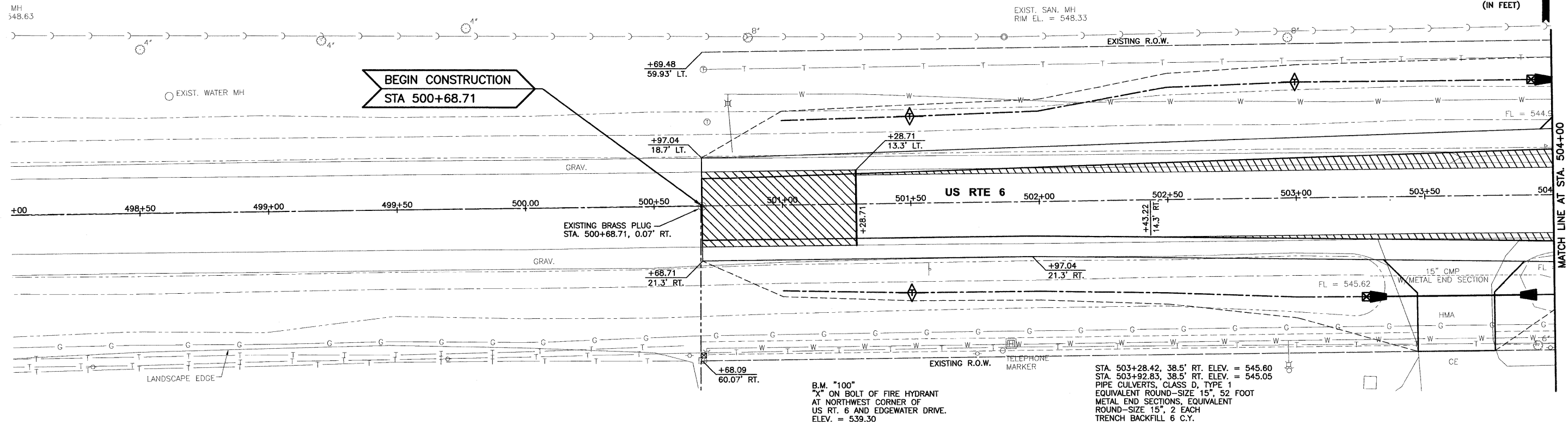
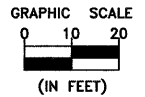
FAU 5952 (US 6)
SECTION 10-00083-00-TL
CITY OF MORRIS
GRUNDY COUNTY

REMOVAL PLANS
LAKEWOOD / MICHAEL DRIVE

CONSTRUCTION PLANS

CONTRACT NO. 87486	
CURRENT AS OF: 10/11	
SCALE: AS NOTED	SHEET 12
FILE NO.: 6969.00 Y-	OF 70

- HOT-MIX ASPHALT BASE COURSE WIDENING
- HOT-MIX ASPHALT SURFACE REMOVAL, BUTT JOINT
- PCC BASE COURSE WIDENING
- PCC DRIVEWAY, 8"
- TEMPORARY DITCH CHECK
- INLET AND PIPE PROTECTION



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DATE: 10/11			

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PERU MORRIS
ILLINOIS

FAU 5952 (US 6)
SECTION 10-00083-00-TL
CITY OF MORRIS
GRUNDY COUNTY

PLAN AND PROFILE
US 6
STA. 500+68.71 TO STA. 504+00

CONSTRUCTION PLANS

CURRENT AS OF: 10/11

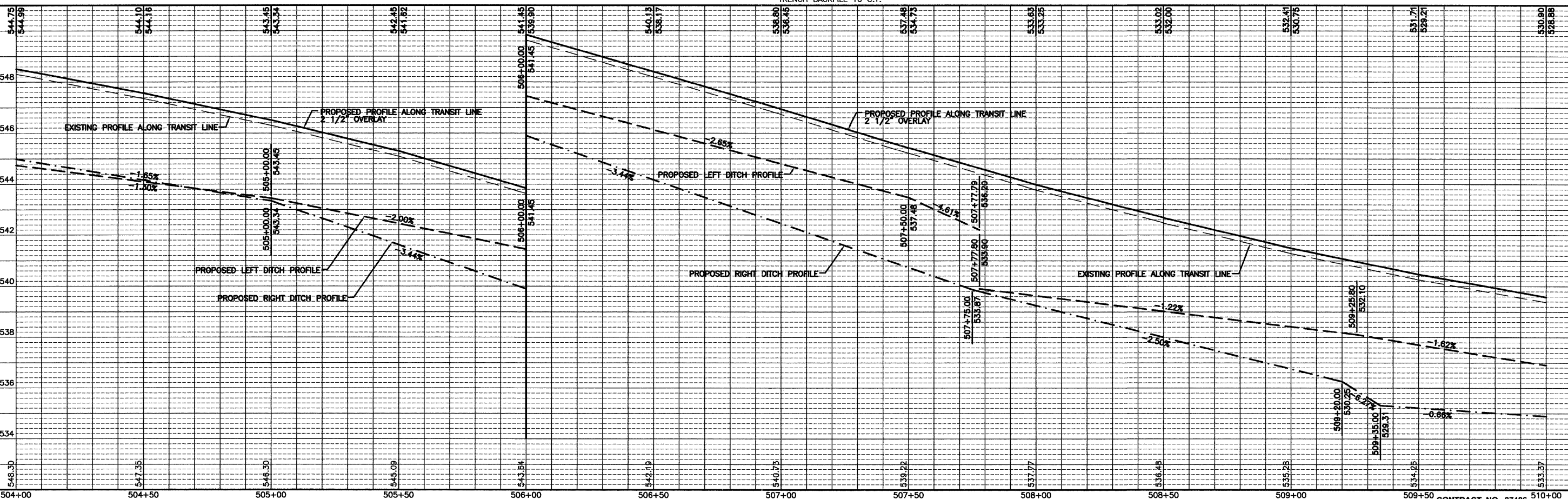
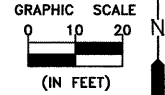
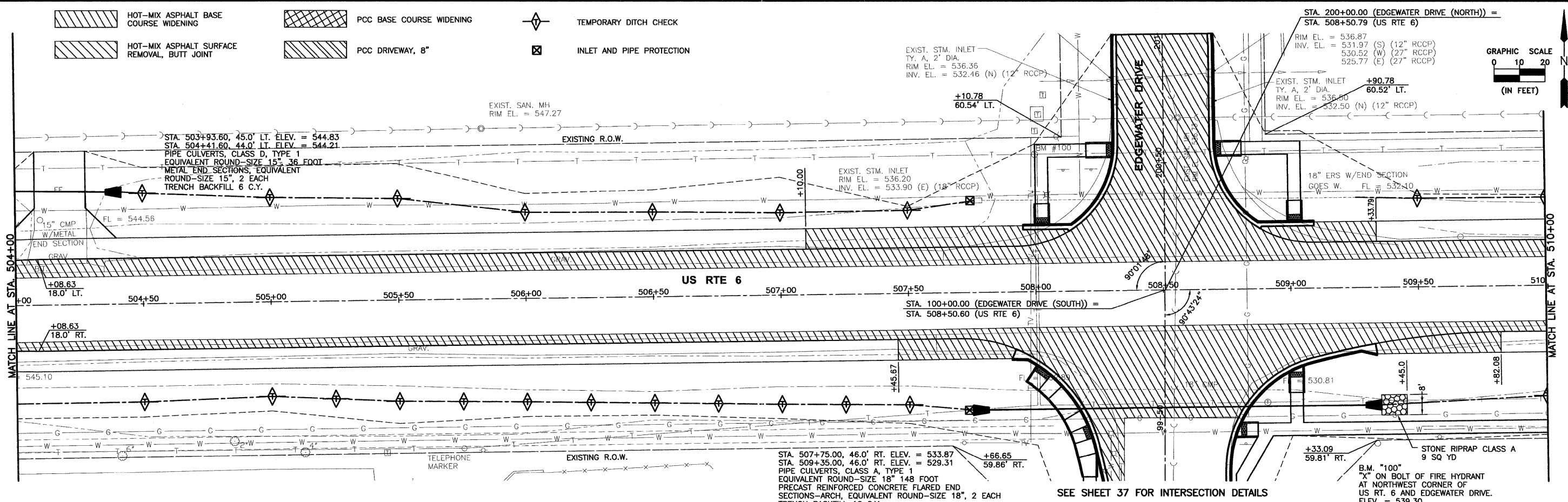
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FILE NO.: 6969.00 Y-

SHEET 13
OF 70

CONTRACT NO. 87486

- HOT-MIX ASPHALT BASE COURSE WIDENING
- PCC BASE COURSE WIDENING
- TEMPORARY DITCH CHECK
- HOT-MIX ASPHALT SURFACE REMOVAL, BUTT JOINT
- PCC DRIVEWAY, 8"
- INLET AND PIPE PROTECTION



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 Drawing Name: C:\Users\6869-00\Morris-STU\CAD\PLANS-STU\014-PP04-510.dwg Last Modified: Oct 13, 2011 - 9:52am Plotted on: Oct 13, 2011 - 10:18am by nrcsrb

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DATE: 10/11					



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 SECTION 10-00083-00-TL
 CITY OF MORRIS
 GRUNDY COUNTY

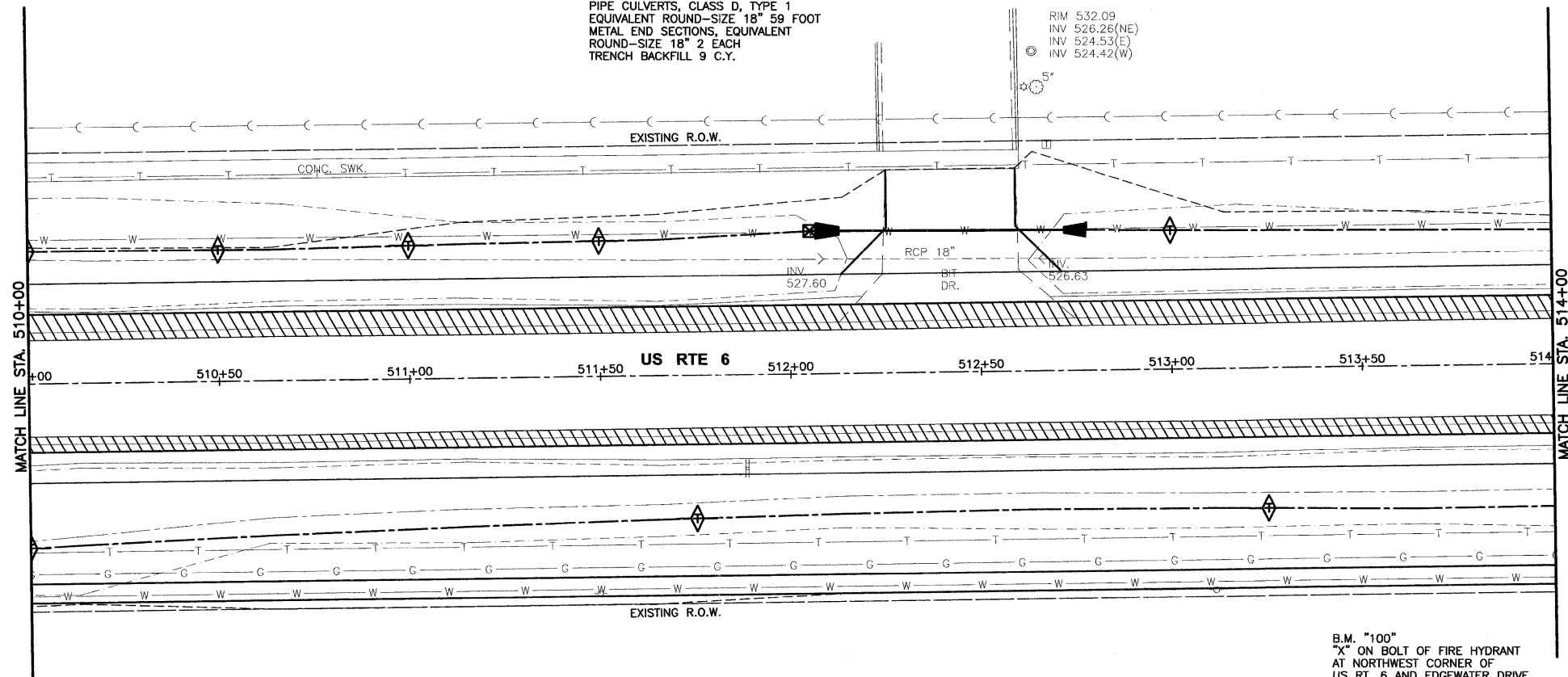
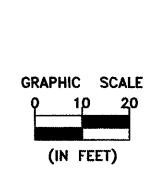
PLAN AND PROFILE
 US 6
 STA. 504+00 TO STA. 510+00

CONSTRUCTION PLANS	CURRENT AS OF: 10/11	
	SCALE: AS NOTED	SHEET 14
	FILE NO.: 6969.00 Y-	OF 70

CONTRACT NO. 87486

STA. 512+07.00, 37.50' LT. ELEV. = 527.55
 STA. 512+77.95, 36.84' LT. ELEV. = 527.00
 PIPE CULVERTS, CLASS D, TYPE 1
 EQUIVALENT ROUND-SIZE 18" 59 FOOT
 METAL END SECTIONS, EQUIVALENT
 ROUND-SIZE 18" 2 EACH
 TRENCH BACKFILL 9 C.Y.

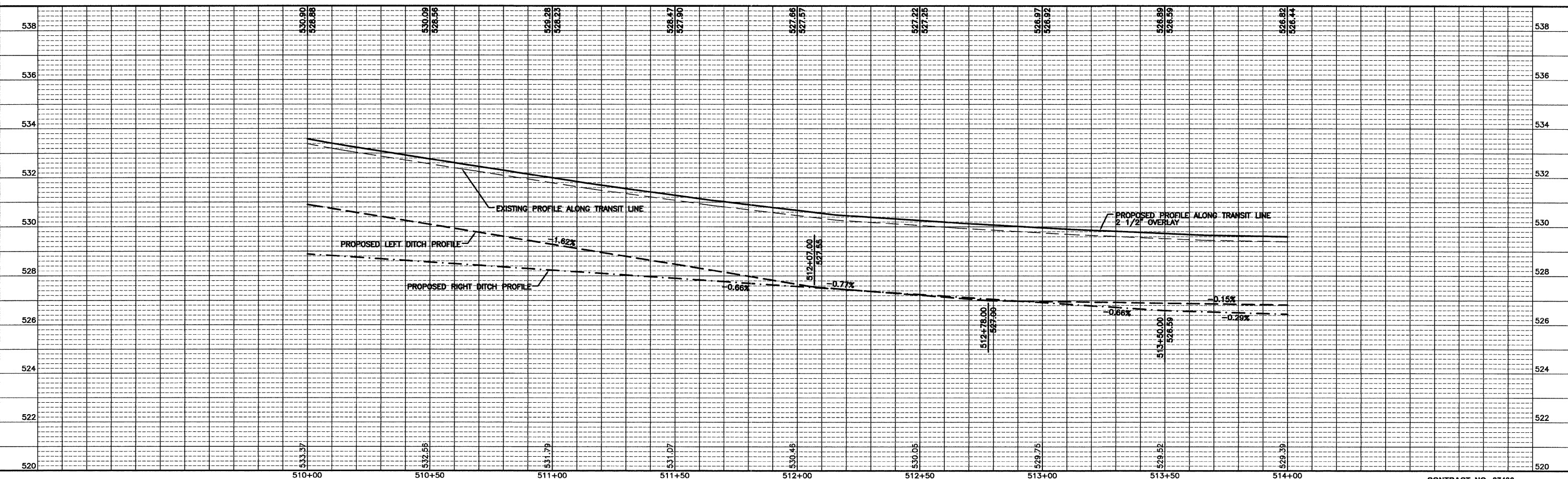
RIM 532.09
 INV 526.26(NE)
 INV 524.53(E)
 INV 524.42(W)



- HOT-MIX ASPHALT BASE COURSE WIDENING
- HOT-MIX ASPHALT SURFACE REMOVAL, BUTT JOINT
- PCC BASE COURSE WIDENING
- PCC DRIVEWAY, 8"
- TEMPORARY DITCH CHECK
- INLET AND PIPE PROTECTION

B.M. "100"
 "X" ON BOLT OF FIRE HYDRANT
 AT NORTHWEST CORNER OF
 US RT. 6 AND EDGEWATER DRIVE.
 ELEV. = 539.30

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 Drawing Location: C:\Users\jchamlin\Documents\Projects\10-00083-00-TL\10-00083-00-TL.dwg
 Plot Date: Oct 13, 2011 9:24am
 Plot Size: 10.00x15.00



DRAWN BY: CHAMS	REVISIONS		
CHECKED BY: JKC	LEVEL	BY	DATE
DATE: 10/11			

CHAMLIN & ASSOCIATES
 PERU MORRIS ILLINOIS

FAU 5952 (US 6)
 SECTION 10-00083-00-TL
 CITY OF MORRIS
 GRUNDY COUNTY

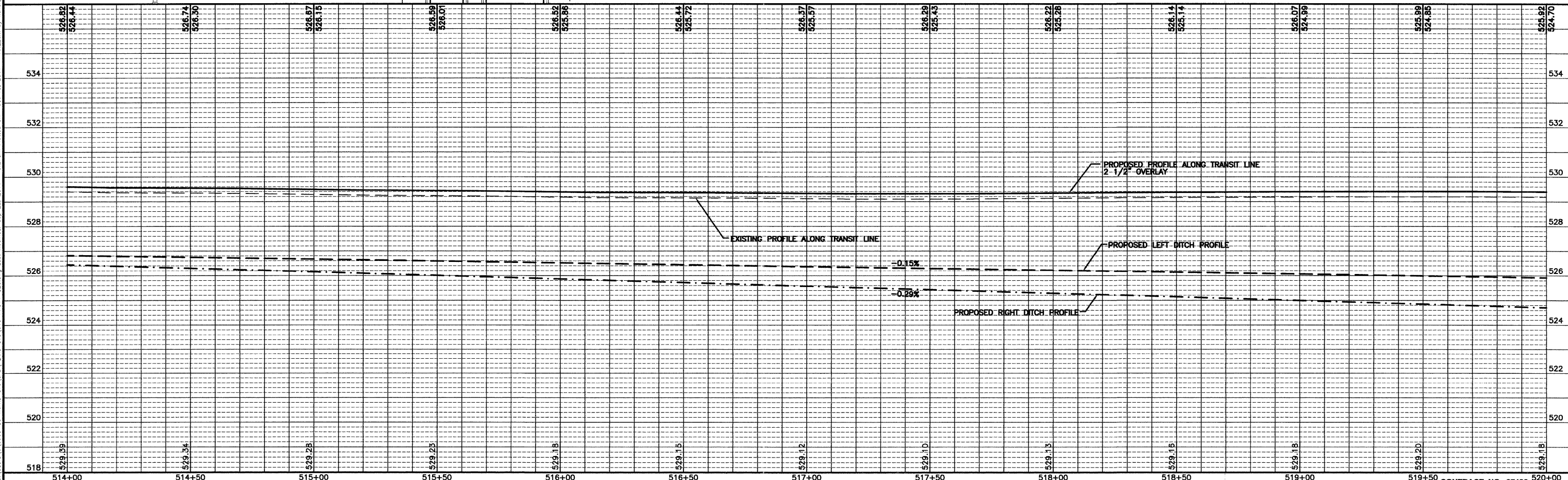
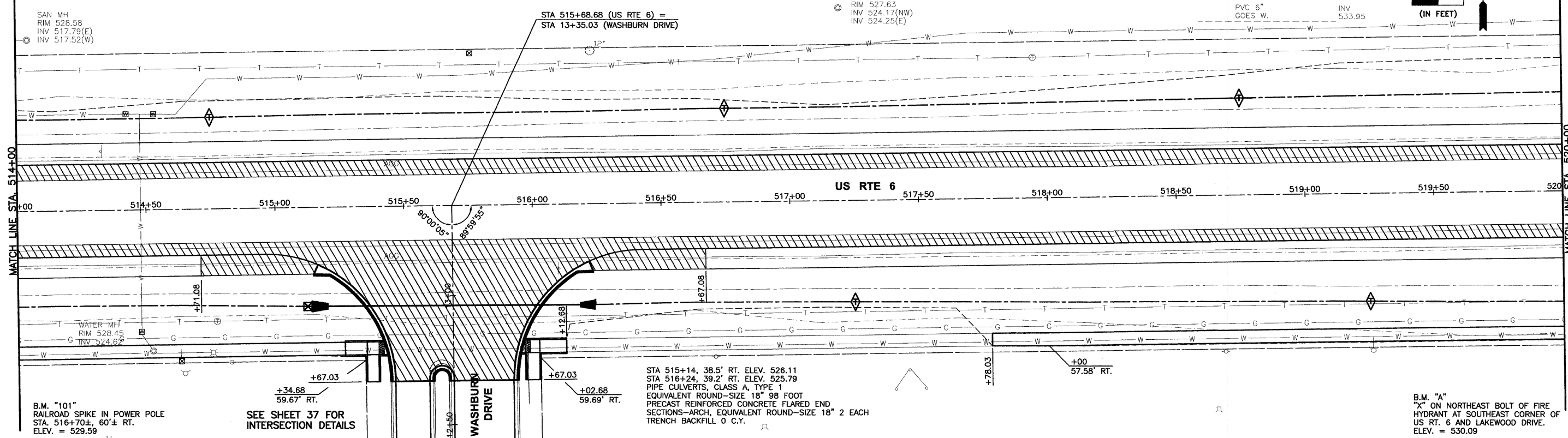
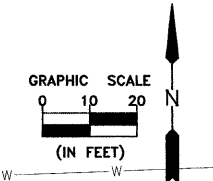
PLAN AND PROFILE
 US 6
 STA. 510+00 TO STA. 514+00

CONSTRUCTION PLANS

CURRENT AS OF: 10/11	SHEET 15
SCALE: AS NOTED	OF 70
FILE NO.: 6969.00 Y-	

CONTRACT NO. 87486

- HOT-MIX ASPHALT BASE COURSE WIDENING
- HOT-MIX ASPHALT SURFACE REMOVAL, BUTT JOINT
- PCC BASE COURSE WIDENING
- PCC DRIVEWAY, 8"
- TEMPORARY DITCH CHECK
- INLET AND PIPE PROTECTION



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Drawing Name: CA\Users\A.V. 08/09-10-Morris-STU\016-PP914-520.dwg Last Modified: Sep 22, 2011 - 9:27am Plotted on: Oct 13, 2011 - 10:22am by nandag

DRAWN BY: CHAMS	REVISIONS		
CHECKED BY: JKC	LEVEL	BY	DATE
DATE: 10/11			

CHAMLIN & ASSOCIATES
PERU MORRIS ILLINOIS

FAU 5952 (US 6)
SECTION 10-00083-00-TL
CITY OF MORRIS
GRUNDY COUNTY

PLAN AND PROFILE
US 6
STA. 514+00 TO STA. 520+00

CONSTRUCTION PLANS

CURRENT AS OF: 10/11

SCALE: AS NOTED

FILE NO.: 6969.00 Y-

SHEET 16 OF 70

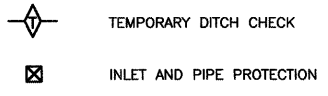
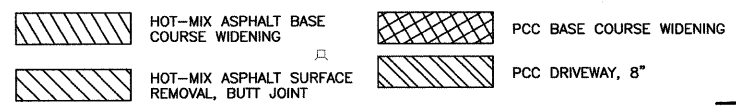
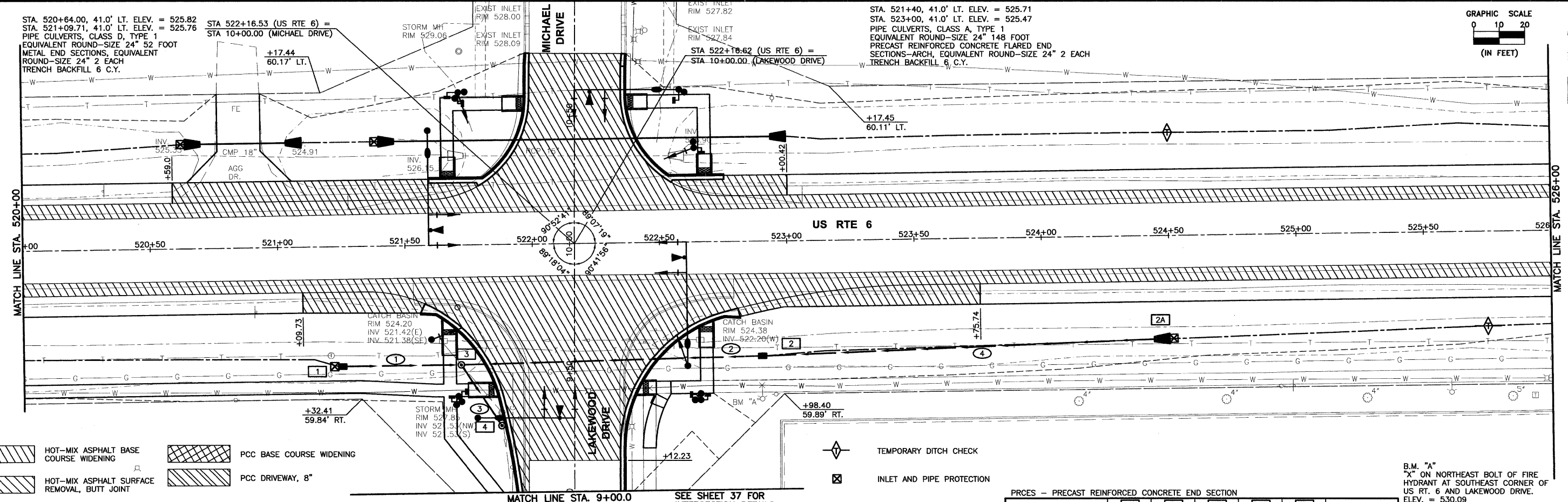
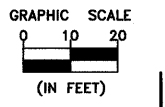
CONTRACT NO. 87486

STA. 520+64.00, 41.0' LT. ELEV. = 525.82
 STA. 521+09.71, 41.0' LT. ELEV. = 525.76
 PIPE CULVERTS, CLASS D, TYPE 1
 EQUIVALENT ROUND-SIZE 24" 52 FOOT
 METAL END SECTIONS, EQUIVALENT
 ROUND-SIZE 24" 2 EACH
 TRENCH BACKFILL 6 C.Y.

STA 522+16.53 (US RTE 6) =
 STA 10+00.00 (MICHAEL DRIVE)

STA 522+16.62 (US RTE 6) =
 STA 10+00.00 (LAKEWOOD DRIVE)

STA. 521+40, 41.0' LT. ELEV. = 525.71
 STA. 523+00, 41.0' LT. ELEV. = 525.47
 PIPE CULVERTS, CLASS A, TYPE 1
 EQUIVALENT ROUND-SIZE 24" 148 FOOT
 PRECAST REINFORCED CONCRETE FLARED END
 SECTIONS-ARCH, EQUIVALENT ROUND-SIZE 24" 2 EACH
 TRENCH BACKFILL 6 C.Y.

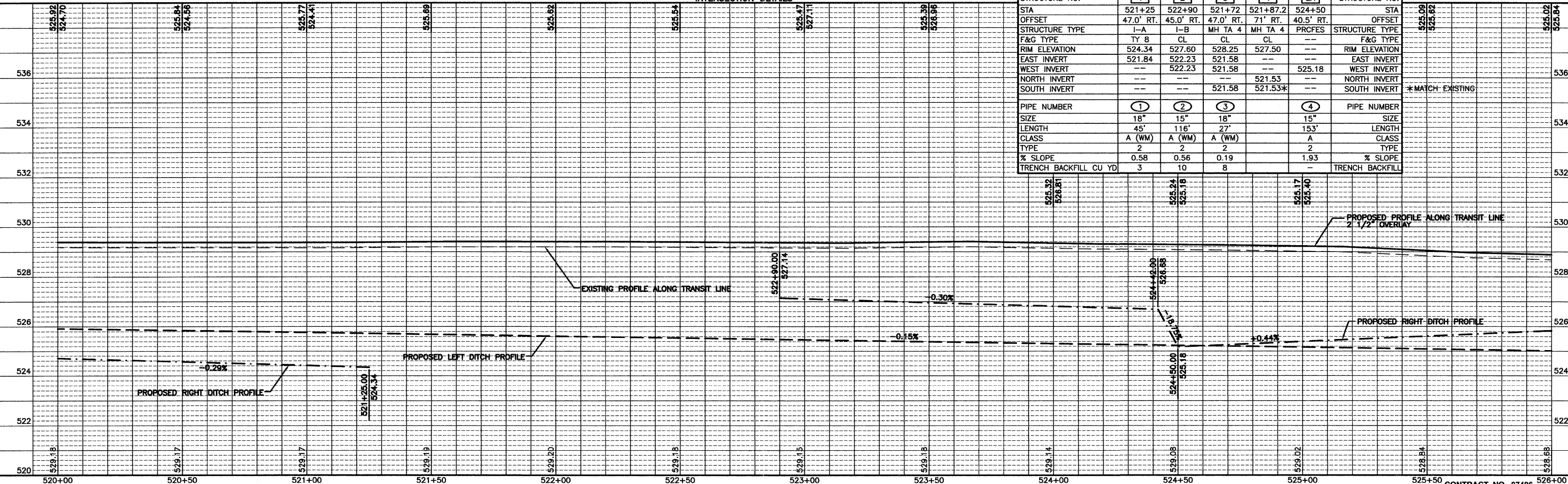


SEE SHEET 37 FOR INTERSECTION DETAILS

PRCES - PRECAST REINFORCED CONCRETE END SECTION

STRUCTURE NO.	1	2	3	4	2A	STRUCTURE NO.
STA	521+25	522+90	521+72	521+87.2	524+50	STA
OFFSET	47.0' RT.	45.0' RT.	47.0' RT.	71' RT.	40.5' RT.	OFFSET
STRUCTURE TYPE	I-A	I-B	MH TA 4	MH TA 4	PRCFES	STRUCTURE TYPE
F&G TYPE	TY 8	CL	CL	CL	---	F&G TYPE
RIM ELEVATION	524.34	527.60	528.25	527.50	---	RIM ELEVATION
EAST INVERT	521.84	522.23	521.58	---	---	EAST INVERT
WEST INVERT	---	522.23	521.58	---	525.18	WEST INVERT
NORTH INVERT	---	---	---	521.53	---	NORTH INVERT
SOUTH INVERT	---	---	521.58	521.53*	---	SOUTH INVERT
PIPE NUMBER	①	②	③	④	④	PIPE NUMBER
SIZE	18"	15"	18"	15"	15"	SIZE
LENGTH	45'	116'	27'	153'	153'	LENGTH
CLASS	A (WM)	A (WM)	A (WM)	A	A	CLASS
TYPE	2	2	2	2	2	TYPE
% SLOPE	0.58	0.56	0.19	1.93	---	% SLOPE
TRENCH BACKFILL CU YD	3	10	8	---	---	TRENCH BACKFILL

B.M. "A"
 "X" ON NORTHEAST BOLT OF FIRE
 HYDRANT AT SOUTHEAST CORNER OF
 US RT. 6 AND LAKEWOOD DRIVE.
 ELEV. = 530.09



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 Drawing Name: C:\Users\j\Documents\STUD\CD\PLANS\STA\017-PP520-526.dwg Last Modified: Oct 13, 2011 10:30am Plotted on: Oct 14, 2011 8:47am by: jmc

DRAWN BY: CHAMS	LEVEL	BY	DATE	REVISIONS	DESCRIPTION
CHECKED BY: JKC					
DATE: 10/11					

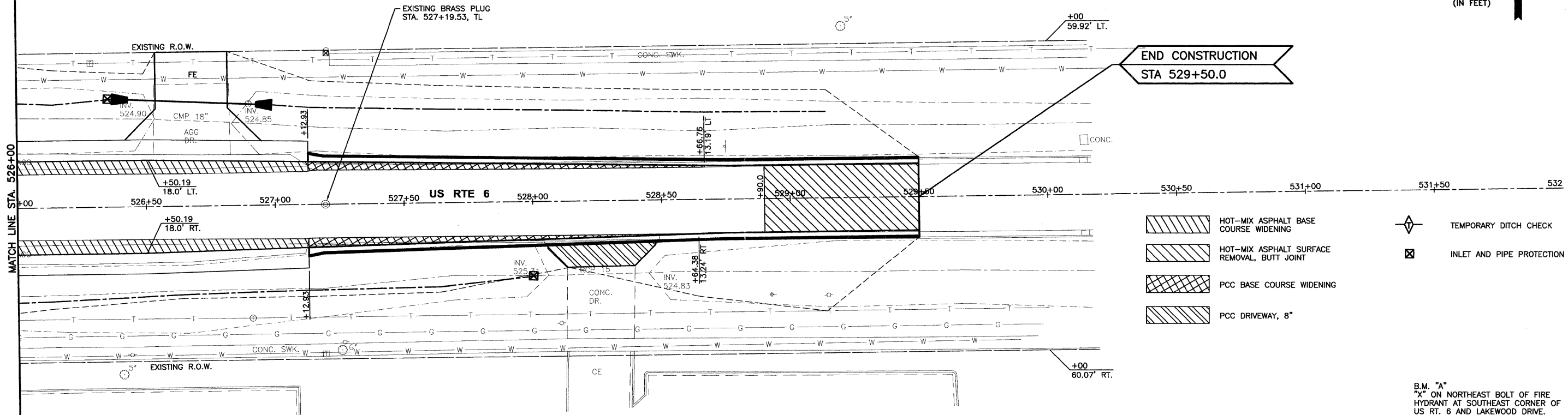
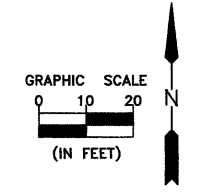
CHAMLIN & ASSOCIATES
 PERU MORRIS ILLINOIS

FAU 5952 (US 6)
 SECTION 10-00083-00-TL
 CITY OF MORRIS
 GRUNDY COUNTY

PLAN AND PROFILE
 US 6
 STA. 520+00 TO STA. 526+00

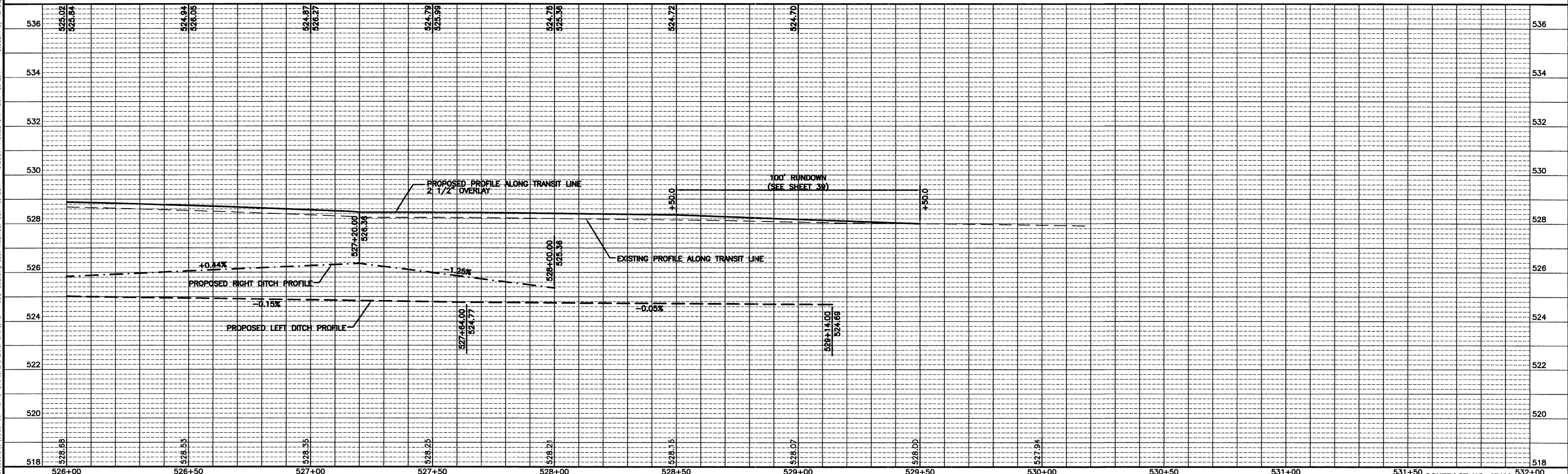
CONSTRUCTION PLANS
 CURRENT AS OF: 10/11
 SCALE: AS NOTED SHEET 17
 FILE NO.: 6969.00 Y- OF 70
 CONTRACT NO. 87486

STA. 526+37, 42.0' LT. ELEV. = 524.96
 STA. 526+99, 39.0' LT. ELEV. = 524.87
 PIPE CULVERTS, CLASS D, TYPE 1
 EQUIVALENT ROUND-SIZE 24" 50 FOOT
 METAL END SECTIONS, EQUIVALENT
 ROUND-SIZE 24" 2 EACH
 TRENCH BACKFILL 9 C.Y.



- HOT-MIX ASPHALT BASE COURSE WIDENING
- HOT-MIX ASPHALT SURFACE REMOVAL, BUTT JOINT
- PCC BASE COURSE WIDENING
- PCC DRIVEWAY, 8"
- TEMPORARY DITCH CHECK
- INLET AND PIPE PROTECTION

B.M. "A"
 "X" ON NORTHEAST BOLT OF FIRE HYDRANT AT SOUTHEAST CORNER OF US RT. 6 AND LAKEWOOD DRIVE. ELEV. = 530.09



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 Drawing Name: C:\Users\jchamlin\Documents\STU\CAD\PLANS-STU\018-PP526-532.dwg Last Modified: Oct 13, 2011 - 9:53am Plotted on: Oct 13, 2011 - 10:30am by nancja

DRAWN BY: CHAMS	REVISIONS		
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DATE: 10/11			

CHAMLIN & ASSOCIATES
 PERU MORRIS ILLINOIS

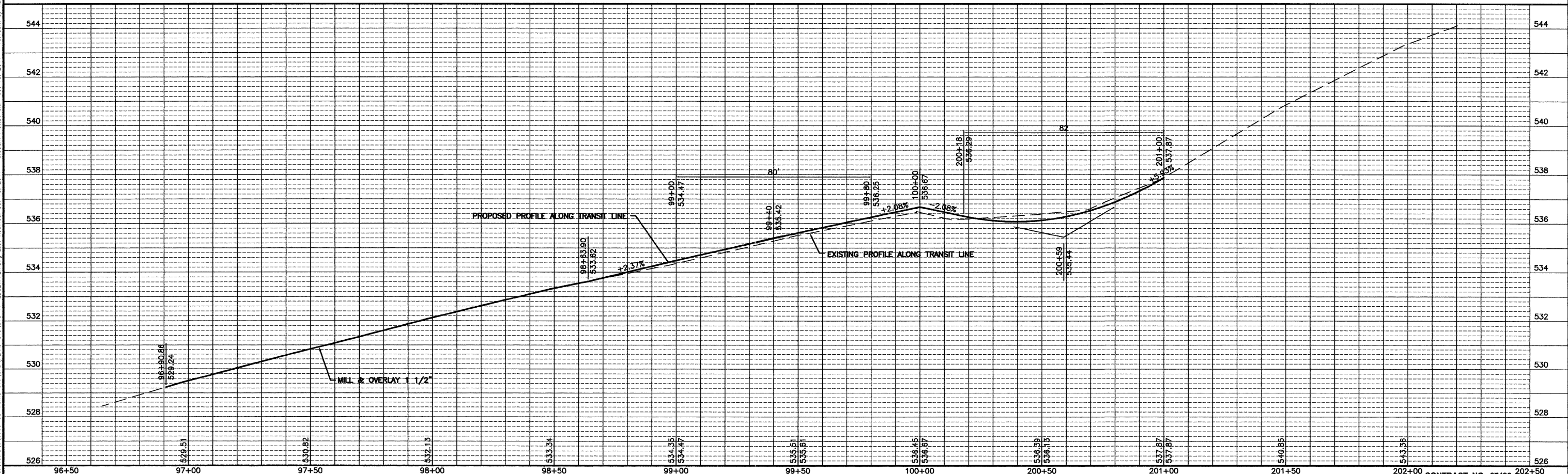
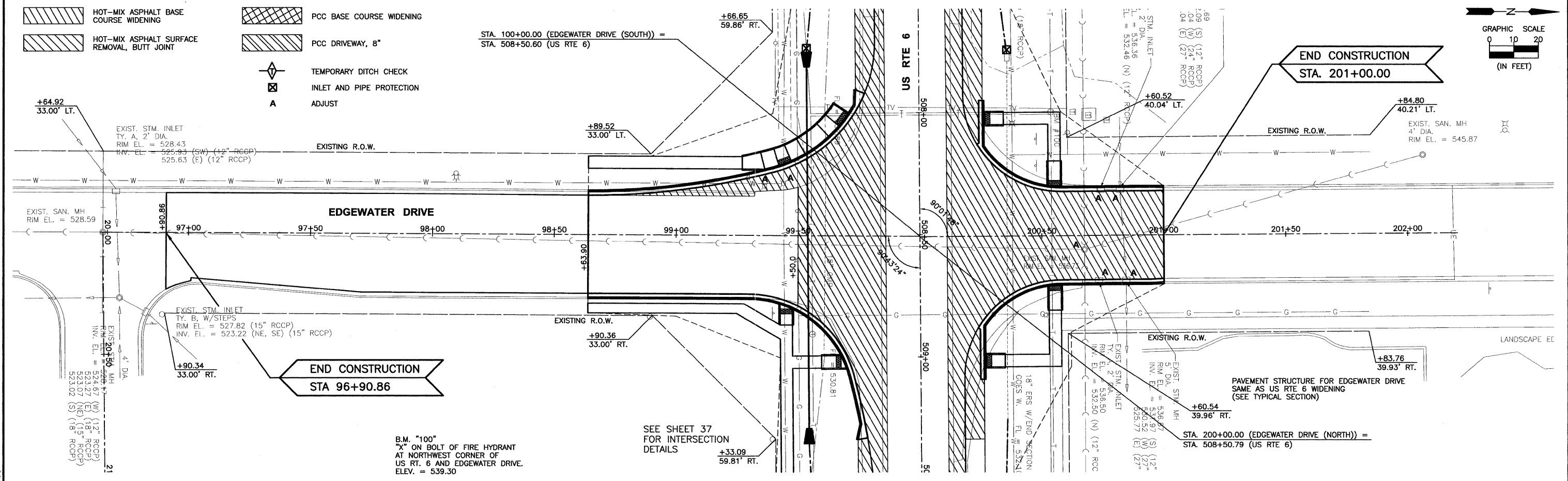
FAU 5952 (US 6)
 SECTION 10-00083-00-TL
 CITY OF MORRIS
 GRUNDY COUNTY

PLAN AND PROFILE
 US 6
 STA. 526+00 TO STA. 529+50

CONSTRUCTION PLANS

CURRENT AS OF: 10/11	
SCALE: AS NOTED	SHEET 18
FILE NO.: 6969.00 Y-	OF 70

CONTRACT NO. 87486



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 Drawing Name: C:\Users\j\OneDrive\Documents\STU\CAD\PLANS-STU\018-PP-EDGEWATER.dwg Last Modified: Oct 13, 2011 - 9:55am Plotted on: Oct 13, 2011 - 10:43am by marcia

DRAWN BY: CHAMS	REVISIONS		
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DATE: 10/11			

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PERU MORRIS
ILLINOIS

FAU 5952 (US 6)
SECTION 10-00083-00-TL
CITY OF MORRIS
GRUNDY COUNTY

PLAN AND PROFILE
EDGEWATER DRIVE

CONSTRUCTION PLANS

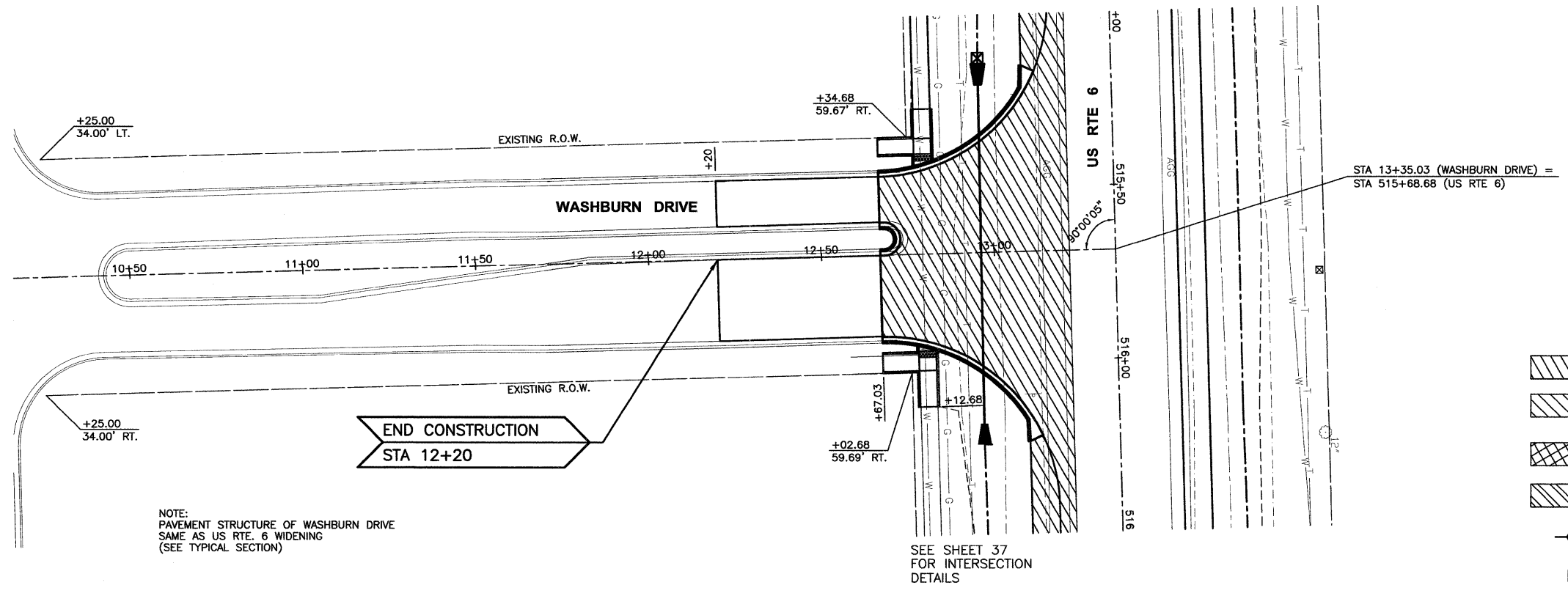
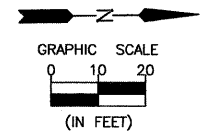
CURRENT AS OF: 10/11

SCALE: AS NOTED

FILE NO.: 6969.00 Y-

SHEET 19 OF 70

CONTRACT NO. 87486



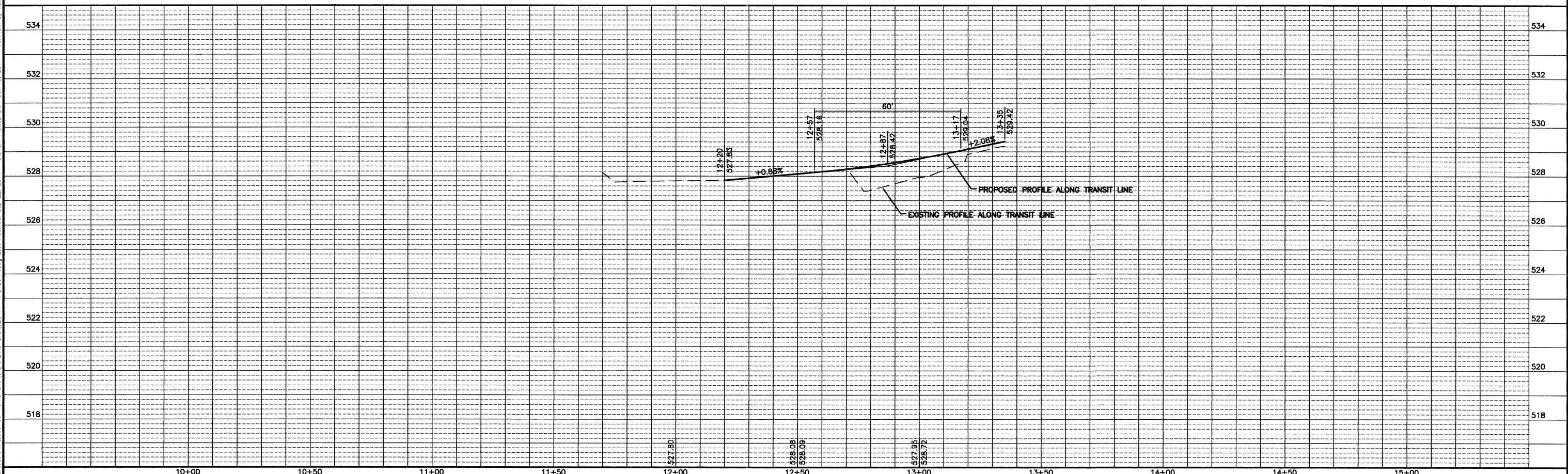
- HOT-MIX ASPHALT BASE COURSE WIDENING
- HOT-MIX ASPHALT SURFACE REMOVAL, BUTT JOINT
- PCC BASE COURSE WIDENING
- PCC DRIVEWAY, 8"
- TEMPORARY DITCH CHECK
- INLET AND PIPE PROTECTION

B.M. "101"
RAILROAD SPIKE IN POWER POLE
STA. 516+70±, 60'± RT.
ELEV. = 529.59

NOTE:
PAVEMENT STRUCTURE OF WASHBURN DRIVE
SAME AS US RTE. 6 WIDENING
(SEE TYPICAL SECTION)

SEE SHEET 37
FOR INTERSECTION
DETAILS

END CONSTRUCTION
STA 12+20



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CHECKED BY: JKC					
DATE: 10/11					




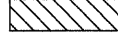
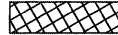



FAU 5952 (US 6)
SECTION 10-00083-00-TL
CITY OF MORRIS
GRUNDY COUNTY

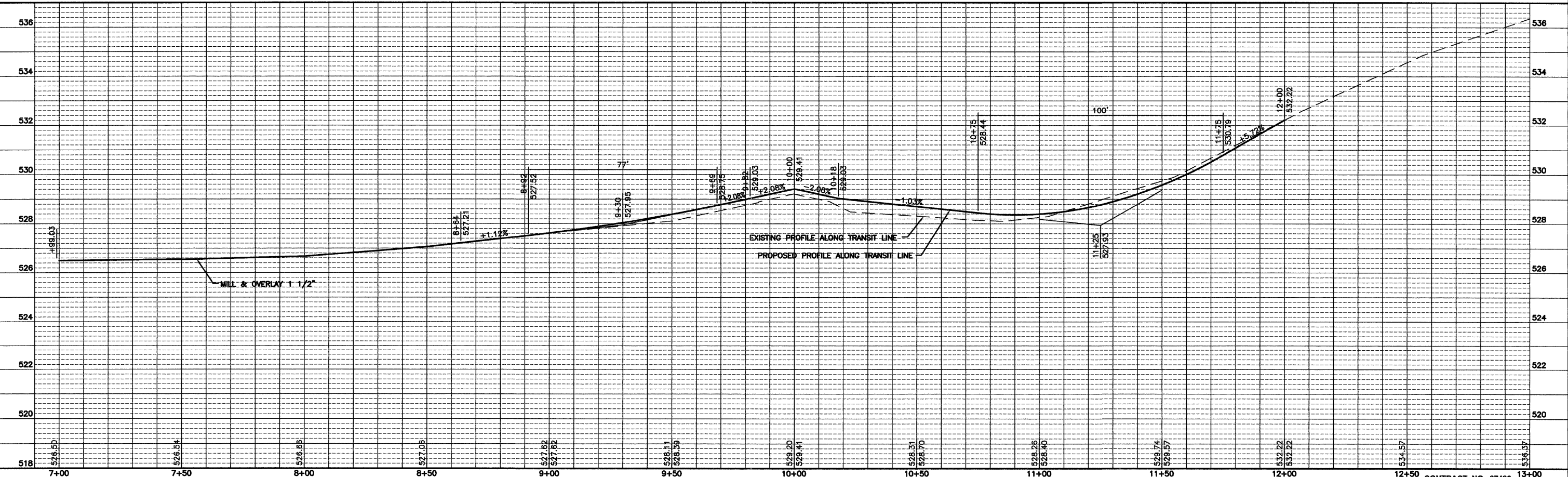
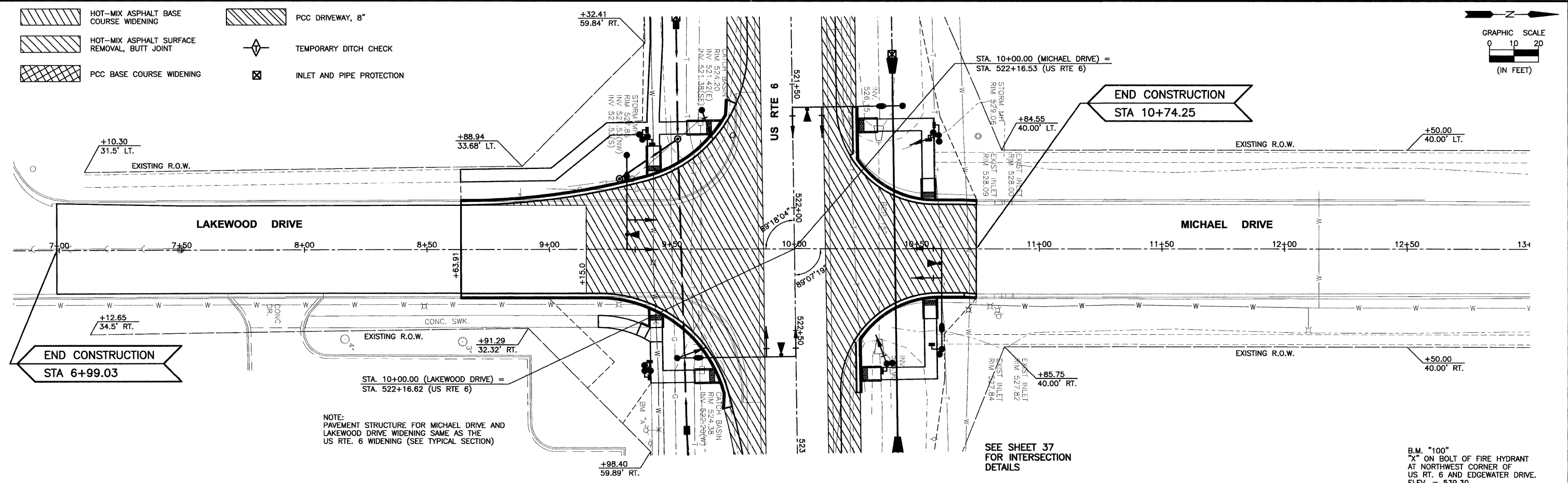
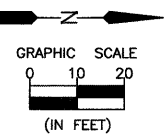
PLAN AND PROFILE
WASHBURN DRIVE

CONSTRUCTION
PLANS

CONTRACT NO. 87486	CURRENT AS OF: 10/11	SHEET 20
SCALE: AS NOTED	FILE NO.: 6969.00 Y-	OF 70

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Drawing Name: G:\Users\G.V. Usher\Documents\10-Morris-Stu\CD\PLANS-STU\20-PP-WASHBURN.cad Last Modified: Sep 22, 2011 - 9:31am Plotted on: Oct 13, 2011 - 10:44am by nmcg

-  HOT-MIX ASPHALT BASE COURSE WIDENING
-  HOT-MIX ASPHALT SURFACE REMOVAL, BUTT JOINT
-  PCC BASE COURSE WIDENING
-  PCC DRIVEWAY, 8"
-  TEMPORARY DITCH CHECK
-  INLET AND PIPE PROTECTION



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Drawing Name: C:\Users\jmk\Documents\6969-10-Morris-Stu\LAKEWOOD.DWG Last Modified: Sep 22, 2011 - 9:39am Plotted on: Oct 13, 2011 - 10:46am by ransiq

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DATE: 10/11			

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CITY OF MORRIS
GRUNDY COUNTY

PLAN AND PROFILE
LAKEWOOD DRIVE

CONSTRUCTION PLANS

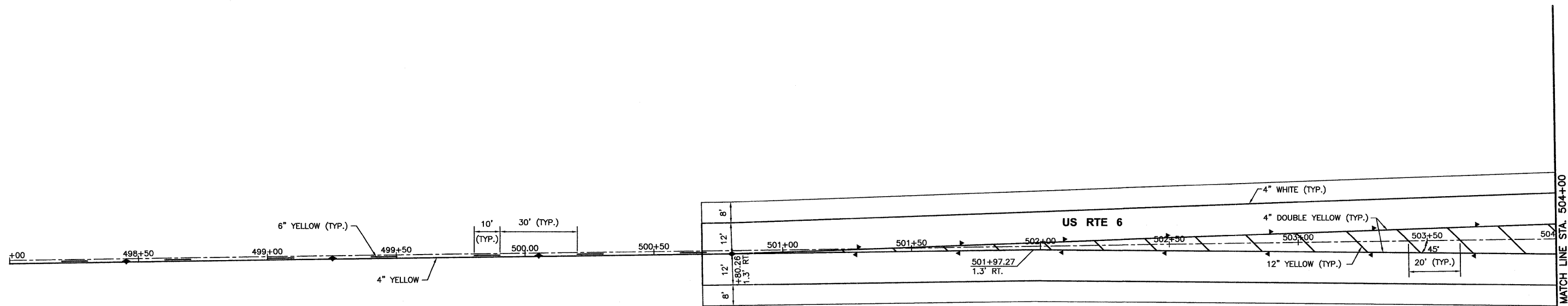
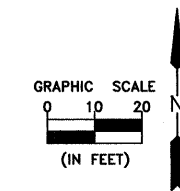
CURRENT AS OF: 10/11

SCALE: AS NOTED

FILE NO.: 6969.00 Y-

SHEET 21 OF 70

CONTRACT NO. 87486



SOLID YELLOW NO PASSING
PAVEMENT MARKING STARTS
AT STA. 495+80.26

INSTALL W6-1 (36X36)
"DIVIDED HIGHWAY" SIGN
IN ACCORDANCE WITH
HIGHWAY STANDARD 720006

LEGEND

- ▶ ONE-WAY AMBER MARKER
- ▷ ONE-WAY CRYSTAL MARKER
- ◆ TWO-WAY AMBER MARKER
- ▲ TRAFFIC SIGN

SEE HIGHWAY STANDARD 781001

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Drawing Name: C:\Users\jchamblin\Documents\STU\CAD\PLANS-STU\022-PMK498-504.dwg, Last Modified: Oct 13, 2011 - 10:50am, Plotted on: Oct 13, 2011 - 10:50am by nanciq

DRAWN BY: CHAMS	REVISIONS		
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DATE: 10/11			

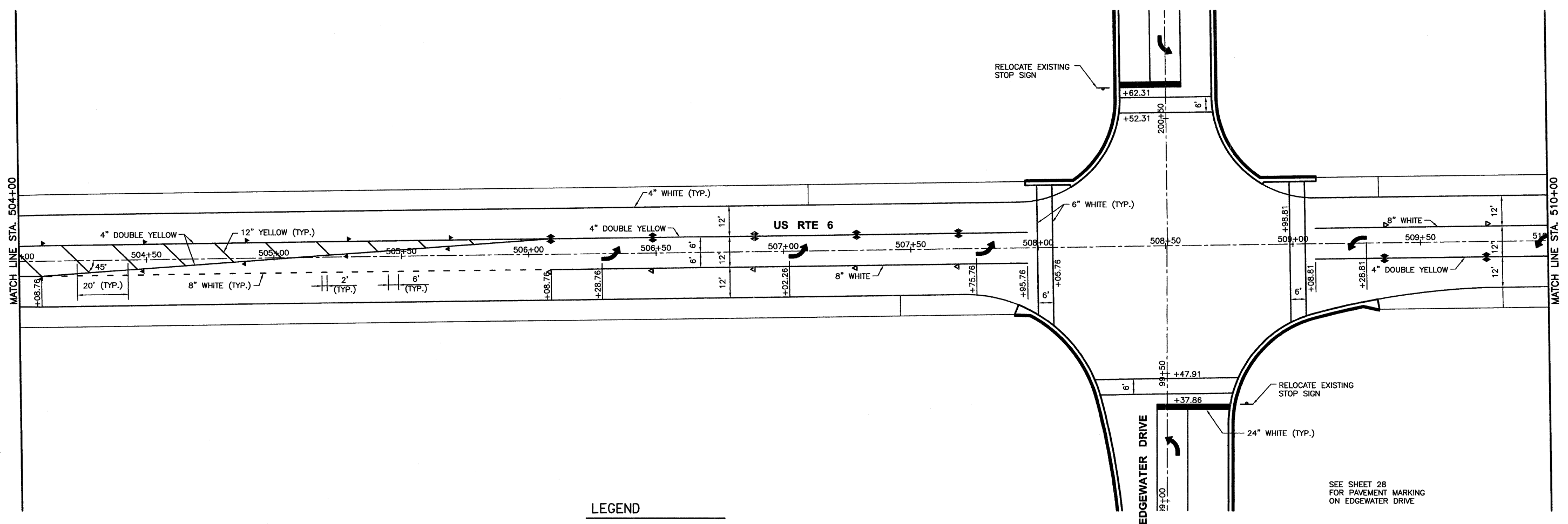
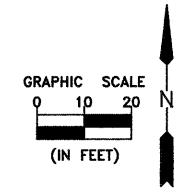
CHAMBLIN & ASSOCIATES
PERU MORRIS ILLINOIS

FAU 5952 (US 6)
SECTION 10-00083-00-TL
CITY OF MORRIS
GRUNDY COUNTY

PAVEMENT MARKING AND SIGN PLANS
US 6
STA. 498+00 TO STA. 504+00

CONSTRUCTION PLANS

CONTRACT NO. 87486	
CURRENT AS OF: 10/11	
SCALE: AS NOTED	SHEET 22
FILE NO.: 6969.00 Y-	OF 70



- LEGEND**
- ▶ ONE-WAY AMBER MARKER
 - ▷ ONE-WAY CRYSTAL MARKER
 - ◀ TWO-WAY AMBER MARKER
 - ▲ TRAFFIC SIGN
- SEE HIGHWAY STANDARD 781001

RELOCATED SIGNS SHALL BE LOCATED IN ACCORDANCE WITH HIGHWAY STANDARD 720006

SEE SHEET 28 FOR PAVEMENT MARKING ON EDGEWATER DRIVE

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 Drawing Name: C:\Users\VB\B969-00-Morris-STA\CAD\PLANS-STU\023-FM5504-510.dwg Last Modified: Oct 13, 2011 - 10:51am Plotted on: Oct 13, 2011 - 10:51am by roneg

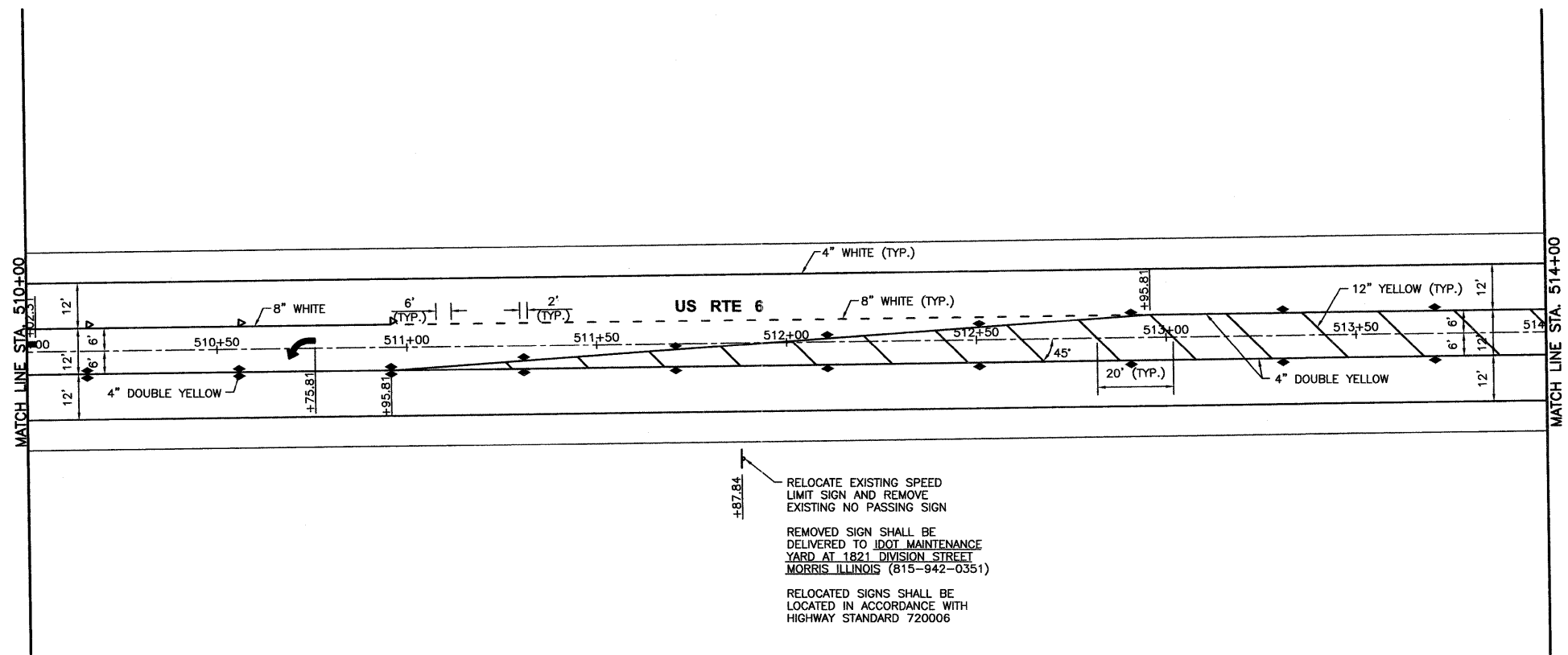
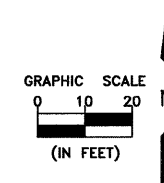
DRAWN BY: CHAMS	REVISIONS		
CHECKED BY: JKC	LEVEL	BY	DATE
DATE: 10/11			


CHAMBLIN & ASSOCIATES
 PERU MORRIS ILLINOIS

FAU 5952 (US 6)
 SECTION 10-00083-00-TL
 CITY OF MORRIS
 GRUNDY COUNTY

PAVEMENT MARKING AND SIGN PLANS
 US 6
 STA. 504+00 TO STA. 510+00

CONSTRUCTION PLANS
 CONTRACT NO. 87486
 CURRENT AS OF: 10/11
 SCALE: AS NOTED SHEET 23 OF 70
 FILE NO.: 6969.00 Y- OF 70



+87.84
 RELOCATE EXISTING SPEED
 LIMIT SIGN AND REMOVE
 EXISTING NO PASSING SIGN
 REMOVED SIGN SHALL BE
 DELIVERED TO IDOT MAINTENANCE
 YARD AT 1821 DIVISION STREET
 MORRIS ILLINOIS (815-942-0351)
 RELOCATED SIGNS SHALL BE
 LOCATED IN ACCORDANCE WITH
 HIGHWAY STANDARD 720006

- LEGEND**
- ▶ ONE-WAY AMBER MARKER
 - ▽ ONE-WAY CRYSTAL MARKER
 - ◆ TWO-WAY AMBER MARKER
 - ⊥ TRAFFIC SIGN
- SEE HIGHWAY STANDARD 781001

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 Drawing Name: C:\Users\jchamblin\Documents\STU\CAD\PLANS-STU\024-PMK\0-514.dwg Last Modified: Sep 22, 2011 - 9:41am Plotted on: Oct 13, 2011 - 10:54am by nancq

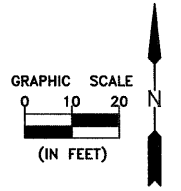
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CHECKED BY: JKC	LEVEL	BY	DATE
DATE: 10/11			


 PERU MORRIS
 ILLINOIS

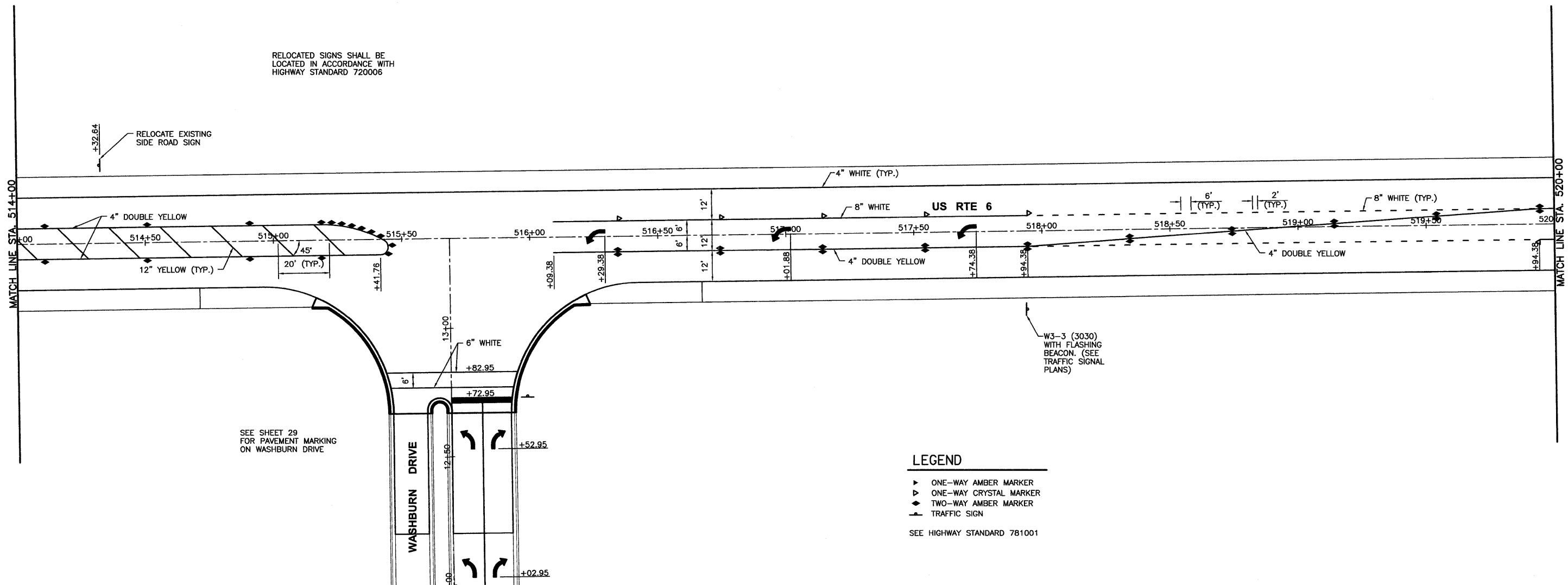
FAU 5952 (US 6)
 SECTION 10-00083-00-TL
 CITY OF MORRIS
 GRUNDY COUNTY

PAVEMENT MARKING AND SIGN PLANS
 US 6
 STA. 510+00 TO STA. 514+00

CONSTRUCTION PLANS	CONTRACT NO. 87486	
	CURRENT AS OF: 10/11	
	SCALE: AS NOTED	SHEET 24
	FILE NO.: 6969.00 Y-	OF 70



RELOCATED SIGNS SHALL BE LOCATED IN ACCORDANCE WITH HIGHWAY STANDARD 720006



- LEGEND**
- ▶ ONE-WAY AMBER MARKER
 - ▷ ONE-WAY CRYSTAL MARKER
 - ◄ TWO-WAY AMBER MARKER
 - TRAFFIC SIGN
- SEE HIGHWAY STANDARD 781001

SEE SHEET 29 FOR PAVEMENT MARKING ON WASHBURN DRIVE

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 DRAWN BY: CHAMS
 CHECKED BY: JKC
 DATE: 10/11
 PROJECT: FAU 5952 (US 6) SECTION 10-00083-00-TL CITY OF MORRIS GRUNDY COUNTY
 FILE NO.: 6969.00 Y- OF 70

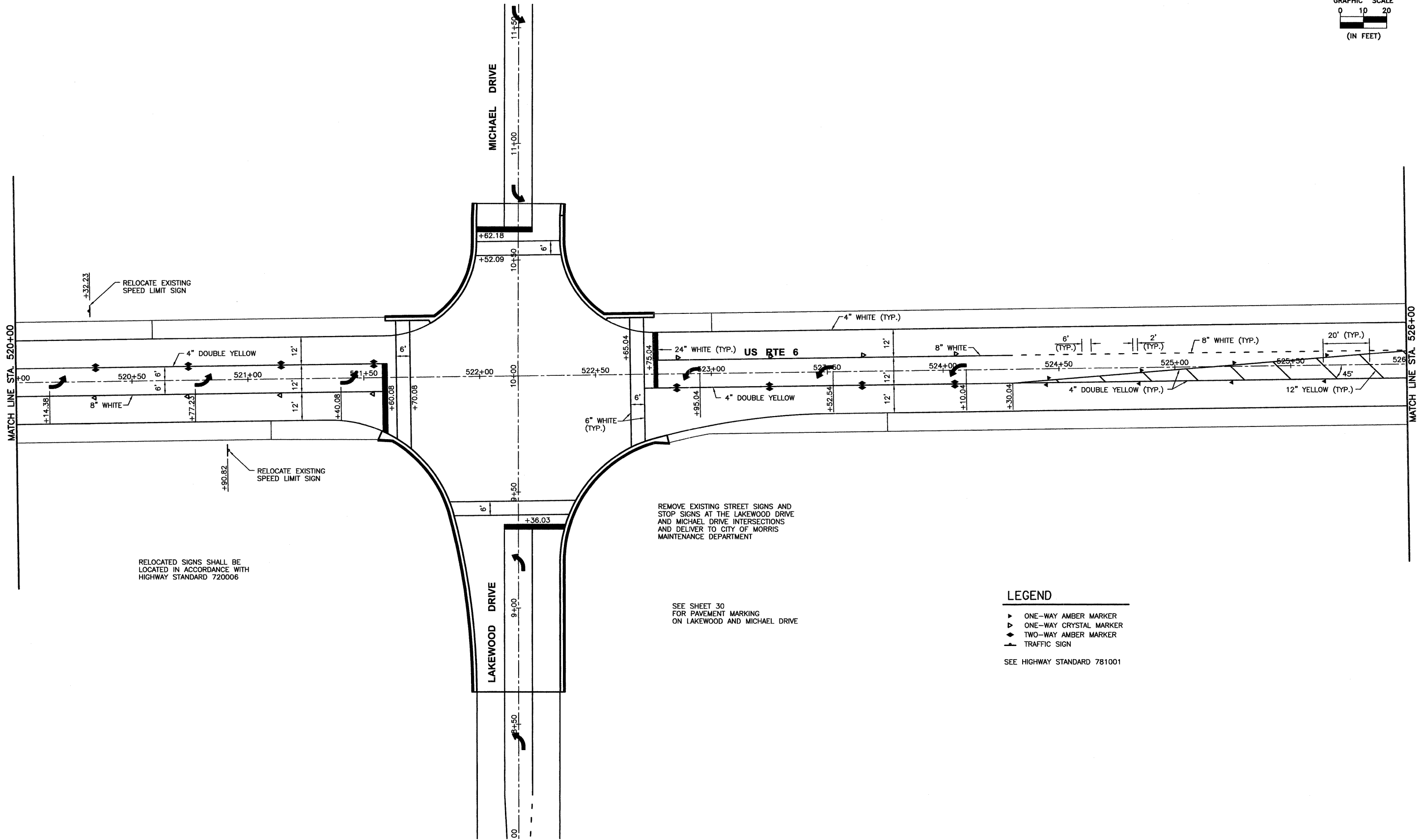
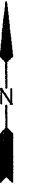
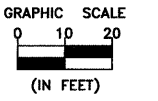
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			DESCRIPTION	



PERU MORRIS ILLINOIS
 FAU 5952 (US 6)
 SECTION 10-00083-00-TL
 CITY OF MORRIS
 GRUNDY COUNTY

PAVEMENT MARKING AND SIGN PLANS
 US 6
 STA. 514+00 TO STA. 520+00

CONSTRUCTION PLANS	CONTRACT NO. 87486	
	CURRENT AS OF: 10/11	
	SCALE: AS NOTED	SHEET 25
	FILE NO.: 6969.00 Y-	OF 70



RELOCATED SIGNS SHALL BE LOCATED IN ACCORDANCE WITH HIGHWAY STANDARD 720006

REMOVE EXISTING STREET SIGNS AND STOP SIGNS AT THE LAKEWOOD DRIVE AND MICHAEL DRIVE INTERSECTIONS AND DELIVER TO CITY OF MORRIS MAINTENANCE DEPARTMENT

SEE SHEET 30 FOR PAVEMENT MARKING ON LAKEWOOD AND MICHAEL DRIVE

LEGEND

- ▶ ONE-WAY AMBER MARKER
- ▷ ONE-WAY CRYSTAL MARKER
- ◆ TWO-WAY AMBER MARKER
- ▲ TRAFFIC SIGN

SEE HIGHWAY STANDARD 781001

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 Drawing Name: CA\Users\STU\CAD\PLANS-STU\026-PMK-020-526.dwg, Last Modified: Oct 13, 2011 - 11:12am, Plotted on: Oct 13, 2011 - 11:13am by nencia

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CHECKED BY: JKC	LEVEL	BY	DATE	DESCRIPTION
DATE: 10/11				

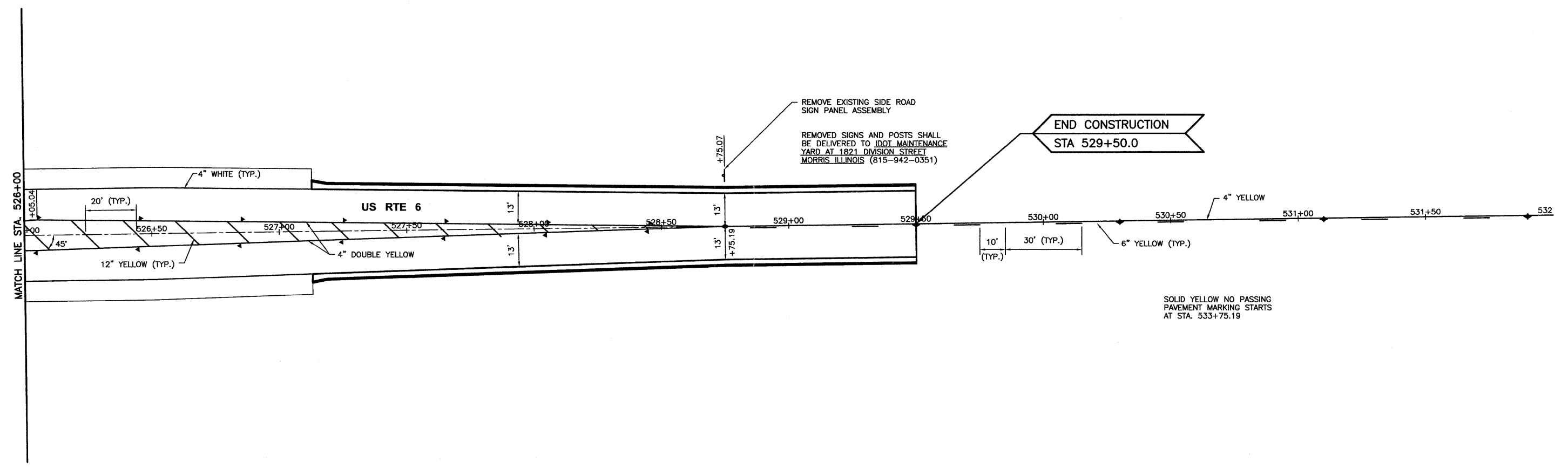
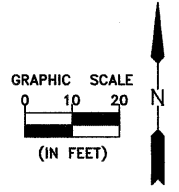
CHAMBLIN ASSOCIATES
 PERU MORRIS ILLINOIS

FAU 5952 (US 6)
 SECTION 10-00083-00-TL
 CITY OF MORRIS
 GRUNDY COUNTY

PAVEMENT MARKING AND SIGN PLANS
 US 6
 STA. 520+00 TO STA. 526+00

CONSTRUCTION PLANS

CONTRACT NO. 87486	
CURRENT AS OF: 10/11	
SCALE: AS NOTED	SHEET 26
FILE NO.: 6969.00 Y-	OF 70



- LEGEND**
- ▶ ONE-WAY AMBER MARKER
 - ◀ ONE-WAY CRYSTAL MARKER
 - ◄ TWO-WAY AMBER MARKER
 - ▲ TRAFFIC SIGN
- SEE HIGHWAY STANDARD 781001

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 Drawn: Norma, Checked: JKC, Date: 10/11
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DRAWN BY: CHAMS	REVISIONS			
CHECKED BY: JKC	LEVEL	BY	DATE	DESCRIPTION
DATE: 10/11				

CHAMBLIN & ASSOCIATES

PERU MORRIS ILLINOIS

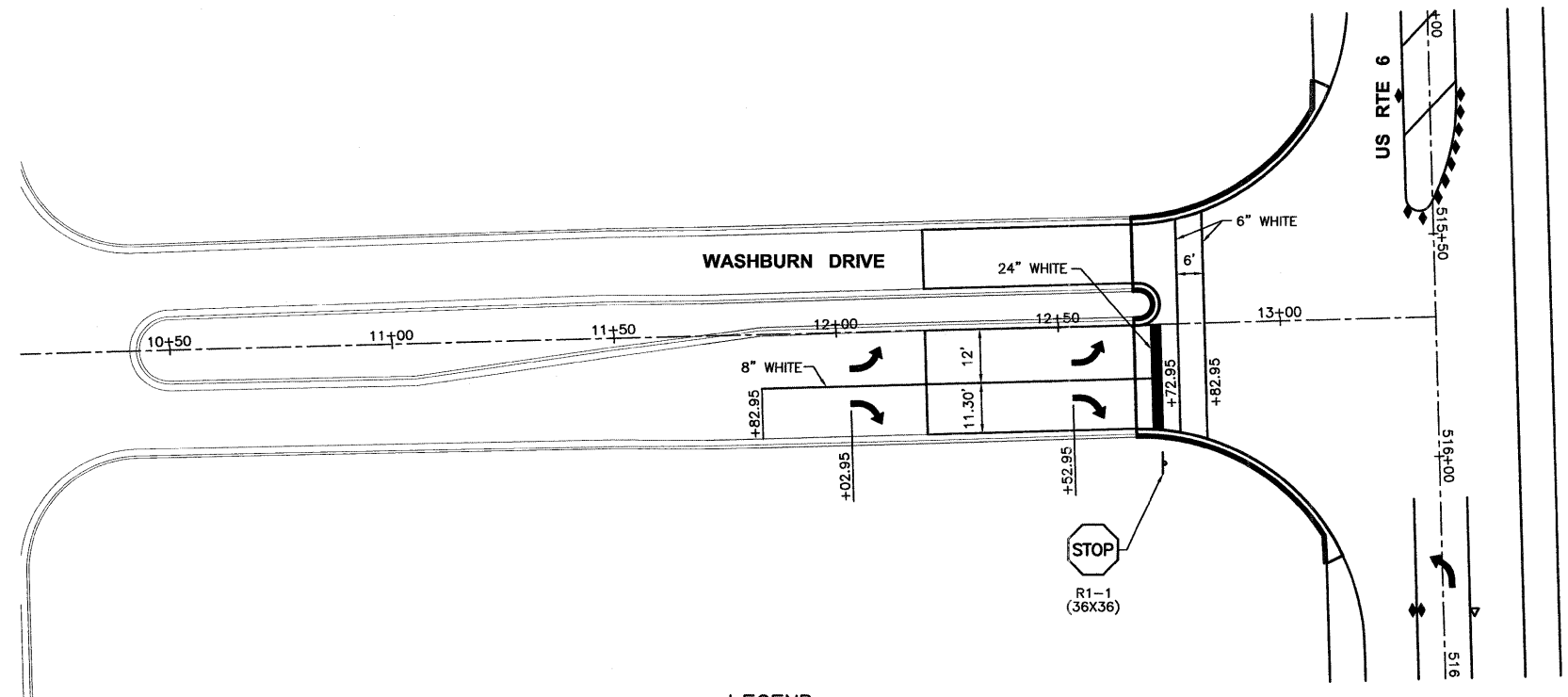
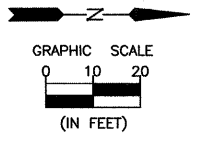
FAU 5952 (US 6)
 SECTION 10-00083-00-TL
 CITY OF MORRIS
 GRUNDY COUNTY

PAVEMENT MARKING AND SIGN PLANS
 US 6
 STA. 526+00 TO STA. 532+00

CONSTRUCTION PLANS

CONTRACT NO. 87486

CURRENT AS OF: 10/11	
SCALE: AS NOTED	SHEET 27
FILE NO.: 6969.00 Y-	OF 70



- LEGEND**
- ▶ ONE-WAY AMBER MARKER
 - ▶ ONE-WAY CRYSTAL MARKER
 - ◆ TWO-WAY AMBER MARKER
 - ▲ TRAFFIC SIGN
- SEE HIGHWAY STANDARD 781001

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 Drawing Name: G:\Users\A.V.Usery\A\6969-00-Morris-STU\CAD\PLANS-STU\029-PMK-WASHBURN.dwg Last Modified: Oct 13, 2011 - 11:42am Plotted on: Oct 13, 2011 - 11:42am By: nancig

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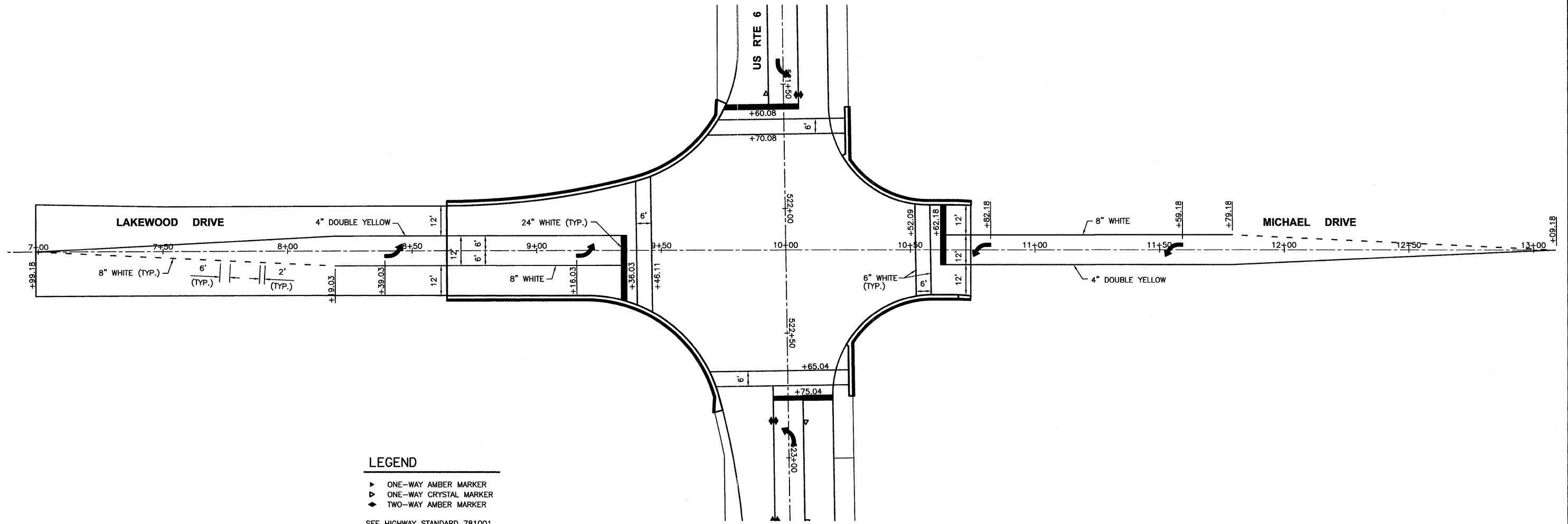
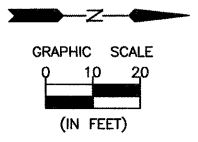

CHAMBLIN ASSOCIATES
 PERU MORRIS ILLINOIS

FAU 5952 (US 6)
 SECTION 10-00083-00-TL
 CITY OF MORRIS
 GRUNDY COUNTY

PAVEMENT MARKING AND SIGN PLANS
 WASHBURN DRIVE

CONSTRUCTION PLANS

CONTRACT NO. 87486	
CURRENT AS OF: 10/11	
SCALE: AS NOTED	SHEET 29
FILE NO.: 6969.00 Y-	OF 70



- LEGEND**
- ▶ ONE-WAY AMBER MARKER
 - ▷ ONE-WAY CRYSTAL MARKER
 - ◆ TWO-WAY AMBER MARKER
- SEE HIGHWAY STANDARD 781001

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 Drawing Name: C:\Users\STU\CAD\PLANS-STU\030-PMK-LAKEWOOD.dwg Last Modified: Oct 13, 2011 - 12:01pm Plotted on: Oct 14, 2011 - 8:12am by morris

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DATE: 10/11				


 PERU MORRIS
 ILLINOIS

FAU 5952 (US 6)
 SECTION 10-00083-00-TL
 CITY OF MORRIS
 GRUNDY COUNTY

PAVEMENT MARKING AND SIGN PLANS
 LAKEWOOD DRIVE AND MICHAEL DRIVE

CONSTRUCTION PLANS

CONTRACT NO. 87486	
CURRENT AS OF: 10/11	
SCALE: AS NOTED	SHEET 30
FILE NO.: 6969.00 Y-	OF 70

GENERAL NOTES

1. THE CONTRACTOR SHALL CONTACT TH A MINIMUM OF 72 HOURS PRIOR TO BEGINNING WORK.
2. THE TRAFFIC SIGNAL SECTION AT THE ILLINOIS DEPARTMENT OF TRANSPORTATION, DISTRICT 3, SHALL BE NOTIFIED AT 815-434-8506 AT LEAST 72 HOURS PRIOR TO TURNING ON ANY FLASHER OR CONTROLLER UNITS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY DURING CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. A MINIMUM OF 48 HOURS ADVANCED NOTICE IS REQUIRED FOR NON-EMERGENCY WORK. THE JULIE NUMBER IS 800-892-0123.
4. ALL TRAFFIC CONTROL AND OTHER ADVISORY SIGNS NEEDED FOR CONSTRUCTION ARE TO BE FURNISHED BY THE CONTRACTOR IN ACCORDANCE WITH SECTION 701 OF THE STANDARD SPECIFICATIONS.
5. ALL TRAFFIC SIGNAL HEADS SHALL BE 12-INCH POLYCARBONATE.
6. TRAFFIC SIGNAL HEADS SHALL BE PROPERLY COVERED PRIOR TO INTERSECTION TURN-ON OR AS DIRECTED BY THE ENGINEER. THIS COST SHALL BE INCLUDED WITH THE COST OF THE ASSOCIATED TRAFFIC SIGNAL PAY ITEMS.
7. A 1/4" DIAMETER CONTINUOUS RODENT RESISTANT NYLON ROPE SHALL BE FURNISHED AND LEFT IN PLACE IN ALL CONDUITS BETWEEN HANDHOLES AND FOUNDATIONS OR CONTROLLER. THIS COST SHALL BE INCLUDED WITH THE COST OF CONDUIT PAY ITEM.
8. THE CONTRACTOR SHALL ARRANGE FOR A FACTORY OR SUPPLIER REPRESENTATIVE TO BE PRESENT AT THE INTERSECTION WHEN THE SIGNAL IS TURNED ON. COST TO BE INCLUDED WITH THE TRAFFIC SIGNAL CONTROLLER PAY ITEM.
9. ALL CONDUIT IN TRENCH SHALL BE PVC. ALL CONDUIT PUSHED MAY BE PVC OR GALVANIZED STEEL. CONDUIT ATTACHED TO STRUCTURES SHALL BE GALVANIZED STEEL.
10. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR PLACING CONDUIT AT A GREATER THAN 2' MINIMUM DEPTH TO AVOID OBSTACLES SUCH AS UNDERGROUND UTILITIES.
11. THE ELECTRICAL CONDUCTORS FOR ALL TRAFFIC SIGNAL HEADS SHALL BE SOLID, SOFT COPPER.
12. ALL THREADS OF BOLTS USED IN THE ASSEMBLY OF TRAFFIC SIGNAL COMPONENTS SHALL BE COATED WITH A NON-LEAD BASED ANTI-SEIZE COMPOUND, SIMILAR TO LEAD PLATE, PRIOR TO ASSEMBLY.
13. ALL HARDWARE SHALL BE TIGHTENED AND WELL SECURED; CABLES SHALL BE NEATLY WOUND IN HANDHOLES. CABLES SHALL BE NEATLY TRAINED IN THE CONTROLLER CABINET.
14. ALL TRAFFIC SIGNAL WIRING SHALL EXTEND FROM CONTROLLER TO SIGNAL. SPLICES IN JUNCTION BOXES WILL NOT BE ALLOWED.
15. THE CONTROLLER CABINET SHALL BE PLACED SO THAT A TECHNICIAN MAY SEE THE INTERSECTION OVER THE TOP OF THE CABINET WHILE WATCHING THE COMPONENTS IN THE CABINET.
16. THE PROPOSED TRAFFIC SIGNAL CONTROLLER CABINET SHALL BE FURNISHED WITH A MANUAL CONTROL SWITCH AND MANUAL CONTROL CHORD WITHIN THE POLICE DOOR COMPARTMENT. THIS WORK SHALL BE INCLUDED IN THE CONTROLLER CABINET PAY ITEM.
17. THE CONTRACTOR SHALL PROVIDE A SELF-ADHERED PHASE DIAGRAM ON THE INSIDE OF THE CONTROLLER CABINET DOOR.
18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ELECTRICAL SERVICE FOR THE TRAFFIC SIGNALS. THE CONTRACTOR SHALL CONTACT THE UTILITY COMPANY PRIOR TO BEGINNING WORK TO OBTAIN THE UTILITY COMPANY REQUIREMENTS FOR THE SERVICE INSTALLATION.
19. THE ELEVATION OF THE TOP OF THE DOUBLE HANDHOLE SHALL BE LESS THAN THE ELEVATION OF THE TOP OF THE CONTROLLER FOUNDATION.
20. ALL UNINTERRUPTIBLE POWER SUPPLIES SHALL BE EQUIPPED WITH ALPHA GUARD MONITORS.
21. ALL GROUNDING MATERIALS FOR CONCRETE FOUNDATIONS SHALL REFER TO SECTION 806 OF THE STANDARD SPECIFICATIONS.
22. ALL AREAS DISTURBED BY THE CONTRACTOR SHALL BE RESTORED WITH SEED OR SOD TO THE SATISFACTION OF THE ENGINEER. SEEDING OR SODDING SHALL NOT BE PERMITTED AT ANY TIME WHEN THE GROUND IS FROZEN, WET, OR IN AN UNTILLABLE CONDITION.
23. THE FIBER OPTIC CABLE SHALL BE LABELED WITH DIRECTION AND ASSIGNMENT NUMBER
24. THE SURGE PROTECTOR IN THE CONTROLLER CABINET SHALL HAVE AN INDICATOR LIGHT.
25. THE MAST ARMS SHALL BE LOCATED A MINIMUM 6' FROM THE FACE OF CURB OR A MINIMUM 18' FROM THE EDGE OF PAVEMENT TO THE FACE OF FOUNDATION WHERE THERE IS NO CURB, UNLESS OTHERWISE DIRECTED BY THE ENGINEER. IN CURB AREA, GET MORE THAN 6" IF POSSIBLE IF THE SIGNAL HEAD STILL LINES UP IN CENTER SF LANE.
26. IF THERE IS A PAY ITEM, CHANGEABLE MESSAGE SIGNS ARE REQUIRED FOR BOTH DIRECTIONS. ONE WEEK PRIOR TO SIGNAL TURN-ON, THE MESSAGE SHOULD READ "NEW SIGNAL AHEAD TURN ON DATE ." FOR THREE WEEKS AFTER, THE MESSAGE SHOULD READ "NEW SIGNAL AHEAD/BE PREPARED TO STOP".
27. ALL MAST ARM SIGNAL HEADS ON AN INDIVIDUAL MAST ARM SHALL BE MOUNTED SO THAT THE "RED" INDICATIONS ARE LEVEL WITH EACH OTHER.
28. BACK PLATES MUST BE POLYCARBONATE WITH A DEEP BACK FLANGE.
29. THE CONTRACTOR SHALL PROVIDE 3 FEET SLACK CABLE IN EACH TRAFFIC SIGNAL STRUCTURE: MAST ARM, POST, CONTROLLER. THE SLACK, WHICH IS IN ADDITION TO THE VERTICAL LENGTH OF CABLE DEFINED IN THE SPECIFICATIONS, SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR EACH CABLE.
30. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPORTING THE NEW ELECTRICAL LOADS FOR THE UNMETERED SERVICES ON THIS IMPROVEMENT TO THE UTILITY COMPANY AND AGENCY RESPONSIBLE FOR ENERGY CHARGES.
31. MAST ARM TRAFFIC SIGNAL HEADS SHALL BE CENTERED ON LANES.
32. SIGNAL AND PEDESTRIAN HEADS SHALL HAVE BLACK HOUSING AND BLACK POLYCARBONATE BRACKETS.
33. PEDESTRIAN SIGNALS SHALL BE 16"X 18", 1-FACE, 1-SECTION, LED.
34. HAND AND PERSON SYMBOLS ON PEDESTRIAN SIGNALS SHALL BE FILLED.
35. DETECTOR LOOPS SHALL BE INSTALLED IN THE LEVEL BINDER PRIOR TO HMA SURFACE PLACEMENT.

ALL UNINTERRUPTIBLE POWER SUPPLIES SHALL BE EQUIPPED WITH ALPHAGURD MONITORS.

LAKWOOD/MICHAEL DRIVE TRAFFIC SIGNAL SCHEDULE OF QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY
20200200	ROCK EXCAVATION	CU YD	6
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	3
72000100	SIGN PANEL - TYPE 1	SQ FT	20
72000200	SIGN PANEL - TYPE 2	SQ FT	115
80500200	SERVICE INSTALLATION, TYPE B	EACH	1
81028320	UNDERGROUND CONDUIT, PVC, 1" DIA.	FOOT	691
81028340	UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	4
81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	888
81028360	UNDERGROUND CONDUIT, PVC, 2 1/2" DIA.	FOOT	116
81028370	UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	238
81028390	UNDERGROUND CONDUIT, PVC, 4" DIA.	FOOT	128
81100500	CONDUIT ATTACHED TO STRUCTURE, 1 1/2" DIA., GALVANIZED STEEL	FOOT	13
81400700	HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	8
81400720	DOUBLE HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	1
81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	2172
82102250	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT	EACH	4
85700205	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
85800300	FLASHER CONTROLLER, WITHOUT CABINET	EACH	1
86200300	UNINTERRUPTIBLE POWER SUPPLY, EXTENDED	EACH	1
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	2017
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1467
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	947
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1716
87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	2945
87301705	ELECTRIC CABLE IN CONDUIT, COMMUNICATION NO. 18 3 PAIR	FOOT	963
87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	15
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1465
87502460	TRAFFIC SIGNAL POST, GALVANIZED STEEL 12 FT.	EACH	2
87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	3
87702920	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 38 FT.	EACH	1
87702940	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 42 FT.	EACH	1
87702960	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 46 FT.	EACH	1
87702980	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 50 FT.	EACH	1
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	15
87800150	CONCRETE FOUNDATION, TYPE C	FOOT	3.5
87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	82
88040030	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 1-SECTION, POST MOUNTED	EACH	1
88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	4
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4
88040160	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	4
88102825	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	8
88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	12
88500100	INDUCTIVE LOOP DETECTOR	EACH	15
88600100	DETECTOR LOOP, TYPE I	FOOT	1741
88700200	LIGHT DETECTOR	EACH	4
88700300	LIGHT DETECTOR AMPLIFIER	EACH	1
88800100	PEDESTRIAN PUSH-BUTTON	EACH	8
X8250210	PHOTOCELL RELAY	EACH	1

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CHAMLIN & ASSOCIATES
PERU MORRIS ILLINOIS

FAU 5952 (US 6)
SECTION 10-00083-00-TL
CITY OF MORRIS
GRUNDY COUNTY

TRAFFIC SIGNAL
GENERAL NOTES AND
SUMMARY OF QUANTITIES

CONSTRUCTION PLANS

CONTRACT NO. 87486

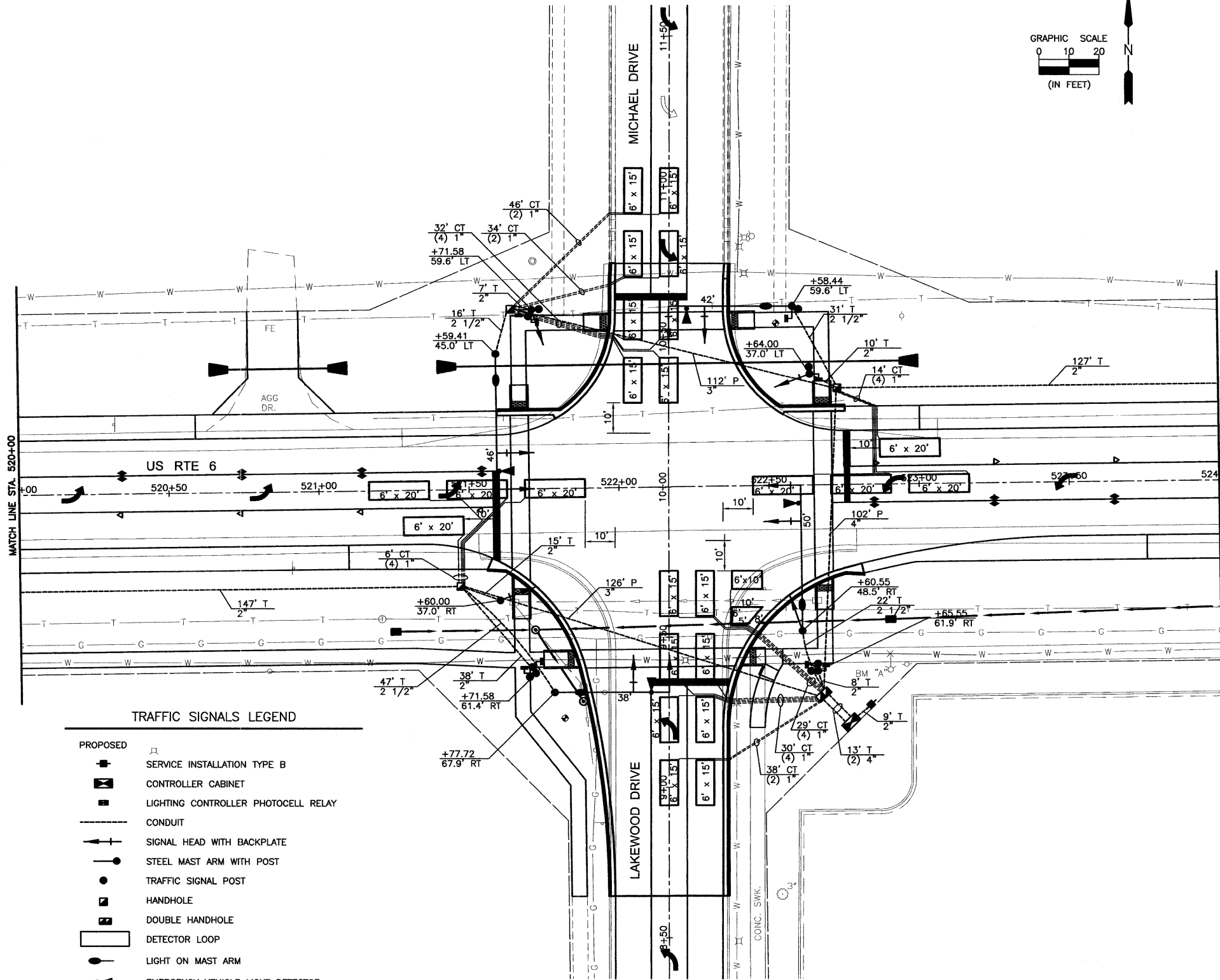
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FILE NO.: 6969.00 Y-	OF 70

SCHEDULE OF QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY
20200200	ROCK EXCAVATION	CU YD	6
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	3
72000100	SIGN PANEL - TYPE 1	SQ FT	20
72000200	SIGN PANEL - TYPE 2	SQ FT	115
80500200	SERVICE INSTALLATION, TYPE B	EACH	1
81028320	UNDERGROUND CONDUIT, PVC, 1" DIA.	FOOT	680
81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	361
81028360	UNDERGROUND CONDUIT, PVC, 2 1/2" DIA.	FOOT	116
81028370	UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	238
81028390	UNDERGROUND CONDUIT, PVC, 4" DIA.	FOOT	128
81400700	HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	3
81400720	DOUBLE HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	1
81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	2172
82102250	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT	EACH	4
85700205	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
85800300	FLASHER CONTROLLER, WITHOUT CABINET	EACH	1
86200300	UNINTERRUPTIBLE POWER SUPPLY, EXTENDED	EACH	1
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1778
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1467
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	947
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1716
87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	2385
87301705	ELECTRIC CABLE IN CONDUIT, COMMUNICATION NO. 18 3 PAIR	FOOT	963
87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	15
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	898
87502460	TRAFFIC SIGNAL POST, GALVANIZED STEEL 12 FT.	EACH	2
87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	3
87702920	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 38 FT.	EACH	1
87702940	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 42 FT.	EACH	1
87702960	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 46 FT.	EACH	1
87702980	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 50 FT.	EACH	1
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	15
87800150	CONCRETE FOUNDATION, TYPE C	FOOT	3.5
87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	52
88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	4
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4
88040160	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	4
88102825	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	8
88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	12
88500100	INDUCTIVE LOOP DETECTOR	EACH	15
88600100	DETECTOR LOOP, TYPE I	FOOT	1671
88700200	LIGHT DETECTOR	EACH	4
88700300	LIGHT DETECTOR AMPLIFIER	EACH	1
88800100	PEDESTRIAN PUSH-BUTTON	EACH	8
X8250210	PHOTOCELL RELAY	EACH	1

NOTE: LOCATIONS OF TRAFFIC SIGNAL POSTS AND MAST ARM ASSEMBLIES MAY BE CHANGED IN THE FIELD AS NECESSARY TO AVOID UTILITIES. THE NEW LOCATIONS SHALL BE COORDINATED WITH THE ENGINEER AND APPROVED BY THE DISTRICT TRAFFIC SIGNAL SECTION TO ENSURE THE NEW LOCATIONS MEET OPERATIONAL OFFSET/CLEAR ZONE REQUIREMENTS AND MAINTAIN PROPER POSITION OF SIGNAL HEADS IN RELATION TO THE TRAVELED LANES.

CONDUITS INDICATED AS IN TRENCH MAY ALSO BE PLOWED, BORED OR PULLED AT THE CONTRACTORS OPTION.



TRAFFIC SIGNALS LEGEND

- PROPOSED
- SERVICE INSTALLATION TYPE B
- ▣ CONTROLLER CABINET
- ▣ LIGHTING CONTROLLER PHOTOCELL RELAY
- CONDUIT
- ↑ SIGNAL HEAD WITH BACKPLATE
- STEEL MAST ARM WITH POST
- TRAFFIC SIGNAL POST
- HANDHOLE
- DOUBLE HANDHOLE
- DETECTOR LOOP
- LIGHT ON MAST ARM
- ▲ EMERGENCY VEHICLE LIGHT DETECTOR
- 100' T / 2" T—INDICATES CONDUIT IN TRENCH
- 100' P / 2" P—INDICATES CONDUIT PUSHED
- 100' CT / (2) 2" CT—INDICATES CONDUIT IN COMMON TRENCH (2) INDICATES # OF CONDUITS

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PERU MORRIS ILLINOIS

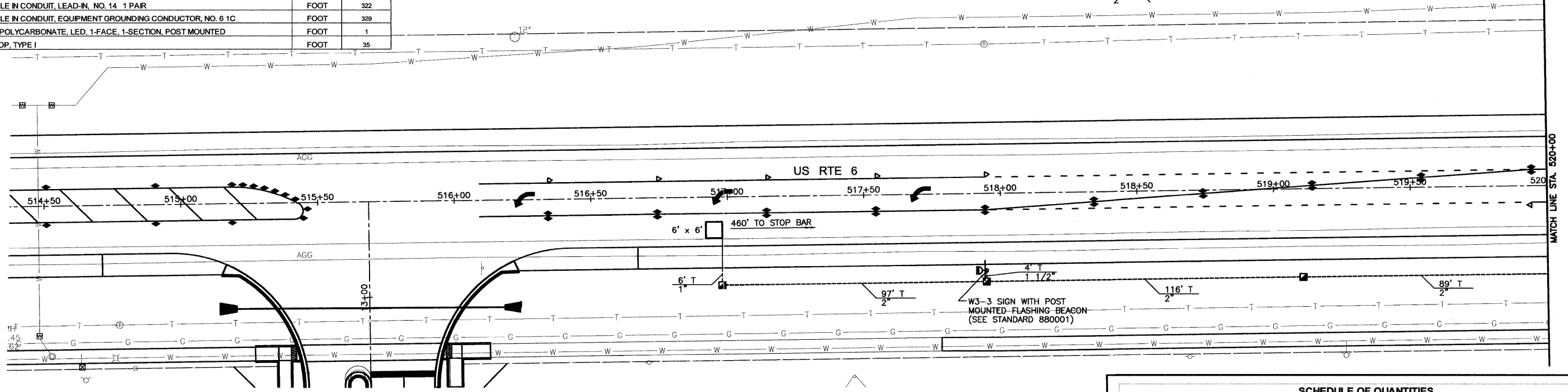
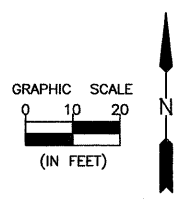
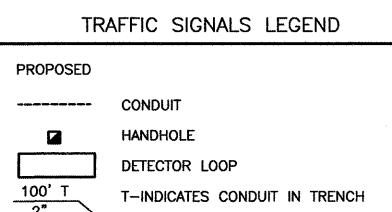
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SECTION 10-00083-00-TL
CITY OF MORRIS
GRUNDY COUNTY

TRAFFIC SIGNAL PLAN

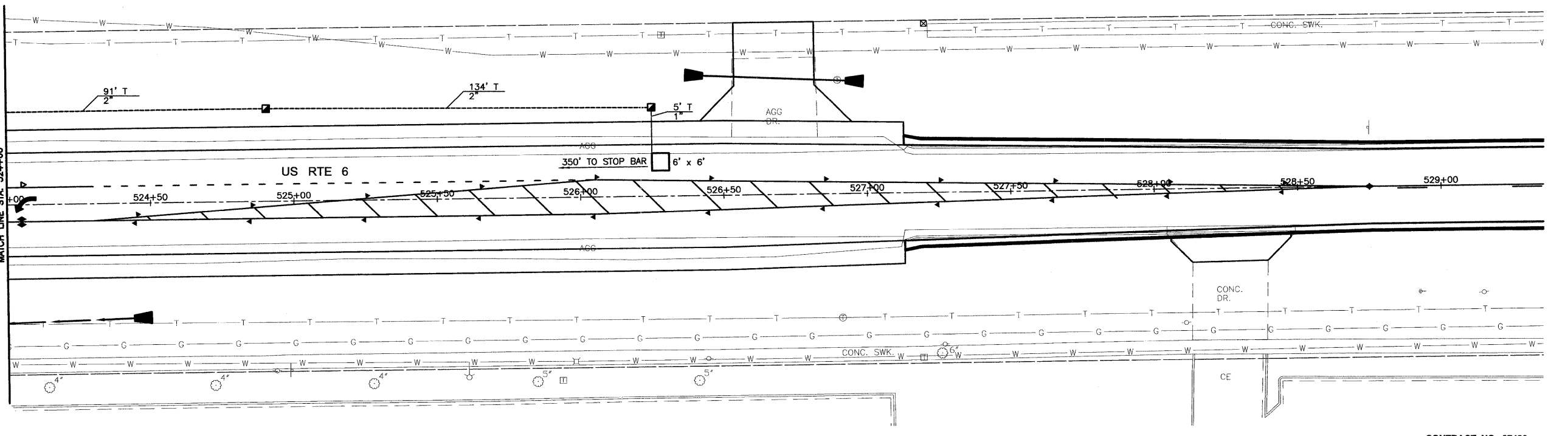
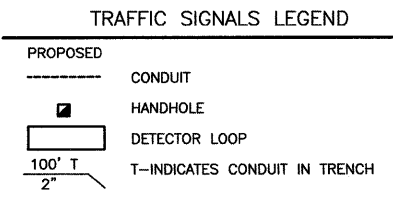
CONSTRUCTION PLANS

CONTRACT NO. 87486
CURRENT AS OF: 10/11
SCALE: AS NOTED SHEET 32
FILE NO.: 6969.00 Y- OF 70

SCHEDULE OF QUANTITIES			
ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY
81028320	UNDERGROUND CONDUIT, PVC, 1" DIA.	FOOT	6
81028340	UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	4
81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	302
81100500	CONDUIT ATTACHED TO STRUCTURE, 1 1/2" DIA., GALVANIZED STEEL	FOOT	13
81400700	HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	3
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 2C	FOOT	238
87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	322
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	329
88040030	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 1-SECTION, POST MOUNTED	FOOT	1
88600100	DETECTOR LOOP, TYPE I	FOOT	35



SCHEDULE OF QUANTITIES			
ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY
81028320	UNDERGROUND CONDUIT, PVC, 1" DIA.	FOOT	5
81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	225
81400700	HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	2
87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	238
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	238
88600100	DETECTOR LOOP, TYPE I	FOOT	35



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CHECKED BY: JKC	LEVEL	BY	DATE	DESCRIPTION
DATE: 10/11				

CHAMBLIN & ASSOCIATES

PERU MORRIS
ILLINOIS

FAU 5952 (US 6)
SECTION 10-00083-00-TL
CITY OF MORRIS
GRUNDY COUNTY

TRAFFIC SIGNAL PLAN

CONSTRUCTION PLANS

CONTRACT NO. 87486

CURRENT AS OF: 10/11

SCALE: AS NOTED

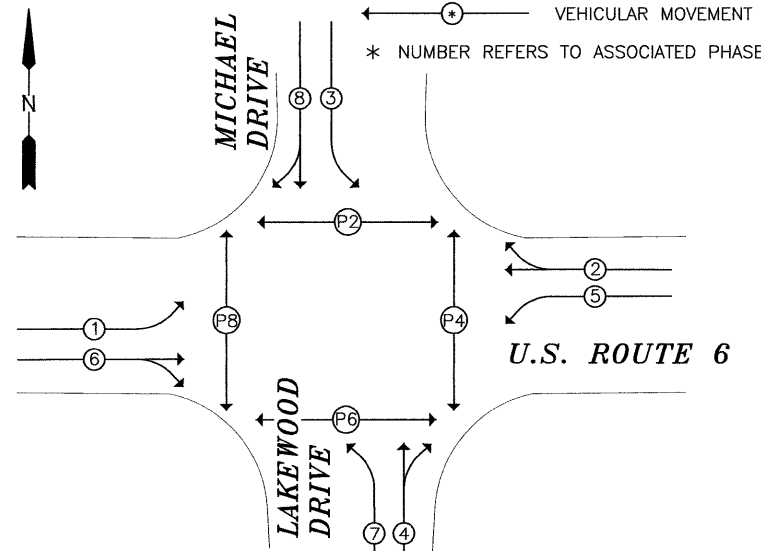
FILE NO.: 6969.00 Y- OF 70

SHEET 33

CONTROLLER SEQUENCE

NAME OF INTERSECTION: US ROUTE 6, LAKEWOOD DRIVE, AND MICHAEL DRIVE
 CONTROLLER SPECIFIED: FULL-ACTUATED CONTROLLER, STANDARD SEQUENCE II, 8 PHASE, IN TYPE IV CABINET
 REFERRING TO STANDARD 857001, THE VEHICULAR AND PEDESTRIAN PHASES USED ARE DESIGNATED.

LEGEND

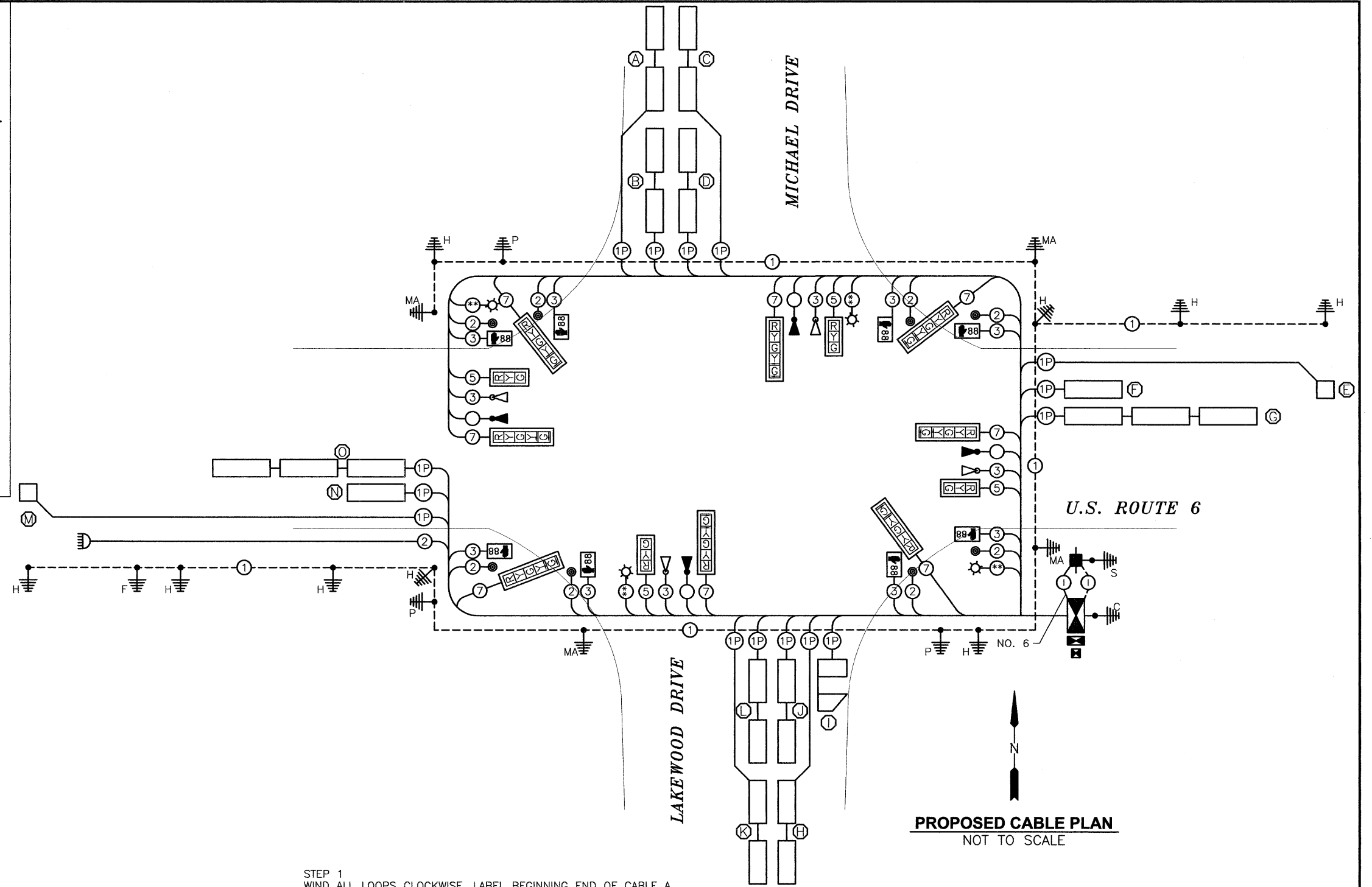


PHASE DESIGNATION DIAGRAM

NOT TO SCALE

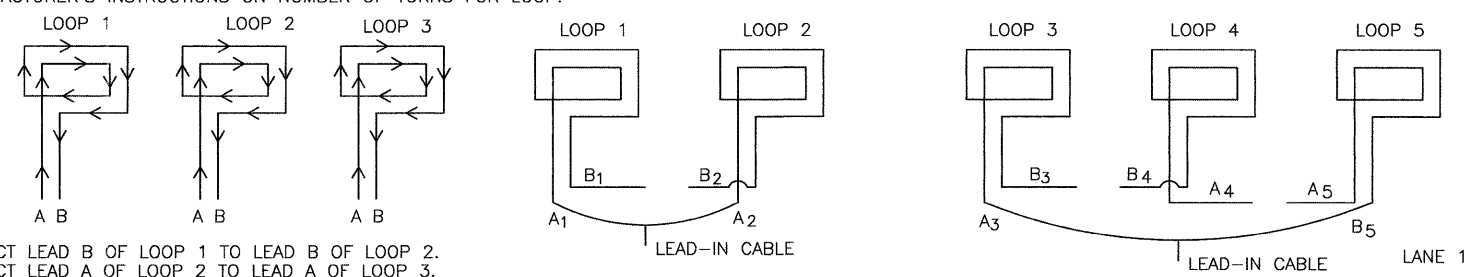
TRAFFIC SIGNALS LEGEND

- (*) DENOTES NUMBER OF CONDUCTORS (NEW) ALL CABLE NO. 14 EXCEPT AS INDICATED
- (+P) DENOTES NUMBER OF PAIR OF WIRE (NEW) ALL LOOP DETECTOR CABLE TO BE TWISTED, SHIELDED ALL CABLE NO. 14 EXCEPT AS INDICATED
- (*) DENOTES PROPOSED DETECTOR LOOP SYSTEM
- (***) DENOTES 3-1 CONDUCTOR, NO. 10 CABLE 600 (XLP-TYPE USE)
- ⚡ PROPOSED FLASHER BEACON
- ⊙ PEDESTRIAN PUSH BUTTON
- ⚠ EMERGENCY VEHICLE CONFIRMATION BEACON
- ⚡ EMERGENCY VEHICLE LIGHT DETECTOR
- ⏏ LEFT TURN YELLOW
- ⏏ LEFT TURN GREEN
- ⏏ SIGNAL SECTION 12"
- ⏏ WALK/DON'T WALK COUNTDOWN SECTION
- ⏏ TRAFFIC SIGNAL BACKPLATE
- ⚙ PROPOSED LUMINAIRE, HPS, 250 WATT
- ⚡ PROPOSED SERVICE INSTALLATION, TYPE B
- ⏏ PROPOSED FLASHER CONTROLLER
- ⏏ PROPOSED LIGHTING CONTROLLER PHOTOCELL RELAY
- ⏏ PROPOSED CONTROLLER CABINET
- ⏏ PROPOSED VEHICLE DETECTOR, INDUCTION LOOP
- ①--- GROUND CABLE IN CONDUIT, NO. 6 SOLID COPPER (GREEN)
- ⚡ GROUND ROD AT CONTROLLER (C), FLASHER POST (P), MAST ARM (MA), OR SERVICE (S)



PROPOSED CABLE PLAN
NOT TO SCALE

STEP 1
 WIND ALL LOOPS CLOCKWISE. LABEL BEGINNING END OF CABLE A. LABEL ENDING END OF CABLE B. FOLLOW DETECTOR LOOP CABLE MANUFACTURER'S INSTRUCTIONS ON NUMBER OF TURNS FOR LOOP.



STEP 2
 CONNECT LEAD B OF LOOP 1 TO LEAD B OF LOOP 2. CONNECT LEAD A OF LOOP 2 TO LEAD A OF LOOP 3.

DETECTOR LOOP WINDING AND SERIES SPLICING DETAIL
 (SEE DETECTOR LOOP INDUCTANCE CHART FOR NUMBER OF TURNS)

CHAMLIN & ASSOCIATES, INC. © 2010 Drawing Name: C:\Users\jv\Documents\STU\034-TS-CABLE.dwg Last Modified: Sep 22, 2011 9:52am Plotted on: Oct 14, 2011 9:56am by: ronic

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	LEVEL	BY	DATE
CHECKED BY: JKC			
DATE: 10/11			

CHAMLIN & ASSOCIATES
 PERU MORRIS ILLINOIS

FAU 5952 (US 6)
 SECTION 10-00083-00-TL
 CITY OF MORRIS
 GRUNDY COUNTY

TRAFFIC SIGNAL CABLE DETAILS

CONSTRUCTION PLANS

CONTRACT NO. 87486
 CURRENT AS OF: 10/11
 SCALE: AS NOTED SHEET 34
 FILE NO.: 6969.00 Y- OF 70

DETECTOR LOOP INDUCTANCE CHART					
DETECTOR LOOP SYSTEM	LOCATIONS	TURNS PER LOOP	INDUCTANCE READING (MICROHENRIES)	FREQUENCY (HERTZ)	J PIN STATUS
A	8 SB THRU BK	4	495	27413	ON
B	8 SB THRU FR	4	492	27499	ON
C	3 SB LT BK	4	499	27292	ON
D	3 SB LT FR	4	498	27328	ON
E	2 WB FAR	6	366	31902	ON
F	5 WB THRU	4	296	35433	OFF
G	4 WB LT	4	844	20997	ON
H	4 NB THRU BK	4	443	28968	ON
I	4 NB RT	4	346	32781	ON
J	7 NB THRU FR	4	445	28903	ON
K	7 NB LT BK	4	449	28797	ON
L	6 NB LT FR	4	451	28733	ON
M	6 EB FAR	6	357	32273	ON
N	6 EB THRU	4	298	35315	OFF
O	1 EB LT BK	4	842	21019	ON

J PIN STATUS: "ON" MEANS STANDARD DETECTOR SETUP. "OFF" MEANS J WIRE HAS BEEN DISCONNECTED. BUT INTACT, AT THE HARNESS PANEL WITH THE NECESSARY SPADE CONNECTION ATTACHED, MARKED, AND INSULATED.

ELECTRICAL LOAD FOR INTERSECTION				
STREET NAME	COMPONENT	NUMBER	WATTAGE EACH	BURNTIME %
US ROUTE 6	RED	6	10	68
	YELLOW	6	22	5
	GREEN	6	12	27
	YELLOW ARROW-LT.	4	9	5
	GREEN ARROW-LT.	4	3.4	11
	88	4	6	100
	88	4	6	13
LAKEWOOD DRIVE AND MICHAEL DRIVE	RED	6	10	74
	YELLOW	6	22	5
	GREEN	6	12	21
	YELLOW ARROW-LT.	4	9	5
	GREEN ARROW-LT.	4	3.4	11
	88	4	6	100
	88	4	6	13
TRAFFIC SIGNAL CABINET	CONTROLLER	1	6	100
	VEHICLE DETECTORS	16	4	100
	BATTERY BACKUP	1	50	100
LIGHTING	LUMINAIRE	4	250	100
	FLASHING BEACON	YELLOW	1	22

AGENCY RESPONSIBLE FOR TRAFFIC SIGNAL ENERGY CHARGES:
CITY OF MORRIS

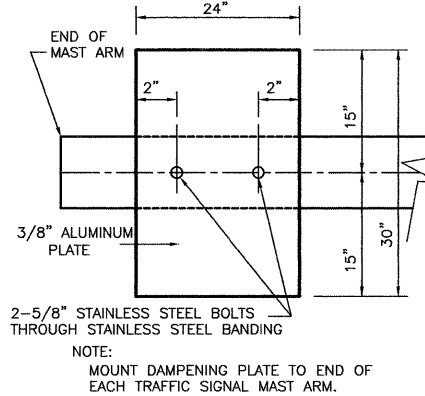
TOP OF FOUNDATION ELEVATIONS

FOUNDATION #	ELEVATION
1	529.95
2	*
3	528.00
3A	*
4	*
5	530.50
6	*
7	528.75
8	*

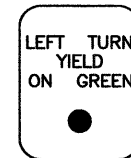
* - 3" ABOVE PROPOSED GRADE

NOTE: TOP OF FOUNDATION ELEVATIONS SET FOR FUTURE ROADWAY WIDENING IMPROVEMENTS.

NOTE:
DAMPENING DEVICE SHALL CONSIST OF A 24" X 30" TYPE 1, UNPAINTED ALUMINUM SIGN STOCK MOUNTED HORIZONTALLY ON TOP OF MAST ARM WITH THE 30" LENGTH PERPENDICULAR TO THE ARM. COST OF THE DAMPENING DEVICE IS INCLUDED IN THE MAST ARM PAY ITEM.



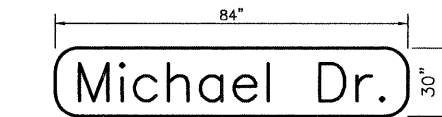
DAMPENING PLATE DETAIL - TOP VIEW



R10 - 12
24" X 30"

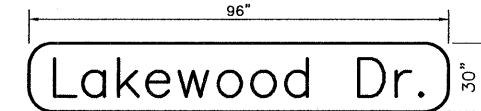
TYPE A SHEETING REQUIRED
4 SIGNS REQUIRED = 5 SQ.FT. EACH
= 20 SQ.FT. TOTAL

THIS SIGN SHALL BE LOCATED 6" TO 12" TO THE RIGHT OF EACH 5 SECTION MAST ARM MOUNTED LEFT TURN SIGNAL AND DIRECTLY BELOW AND PARALLEL TO THE BACKPLATE OF EACH POST BRACKETED 5 SECTION LEFT TURN SIGNAL FOR THE NORTHBOUND AND SOUTHBOUND APPROACHES.



* 2 SIGNS REQUIRED = 17.50 SQ. FT. EACH
= 35.00 SQ. FT. TOTAL

THIS STREET NAME SIGN SHALL BE PLACED ON THE MAST ARM NEAREST TO AND PARALLEL WITH MICHAEL DRIVE ON BOTH SIDES OF THE MAST ARM

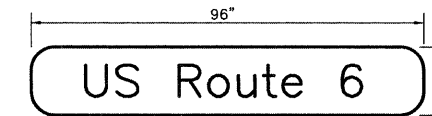


* 2 SIGNS REQUIRED = 20.0 SQ. FT. EACH
= 40.0 SQ. FT. TOTAL

THIS STREET NAME SIGN SHALL BE PLACED ON THE MAST ARM NEAREST TO AND PARALLEL WITH LAKEWOOD DRIVE ON BOTH SIDES OF THE MAST ARM

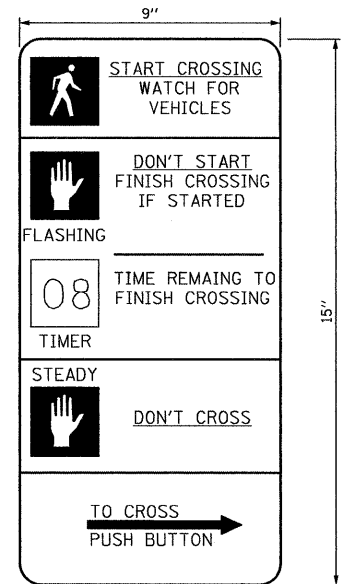
* TYPE ZZ SHEETING REQUIRED D SERIES LETTERS 1ST LINE 10" UPPER CASE/8" LOWER CASE

SEE STANDARD 720016 FOR ADDITIONAL DETAILS

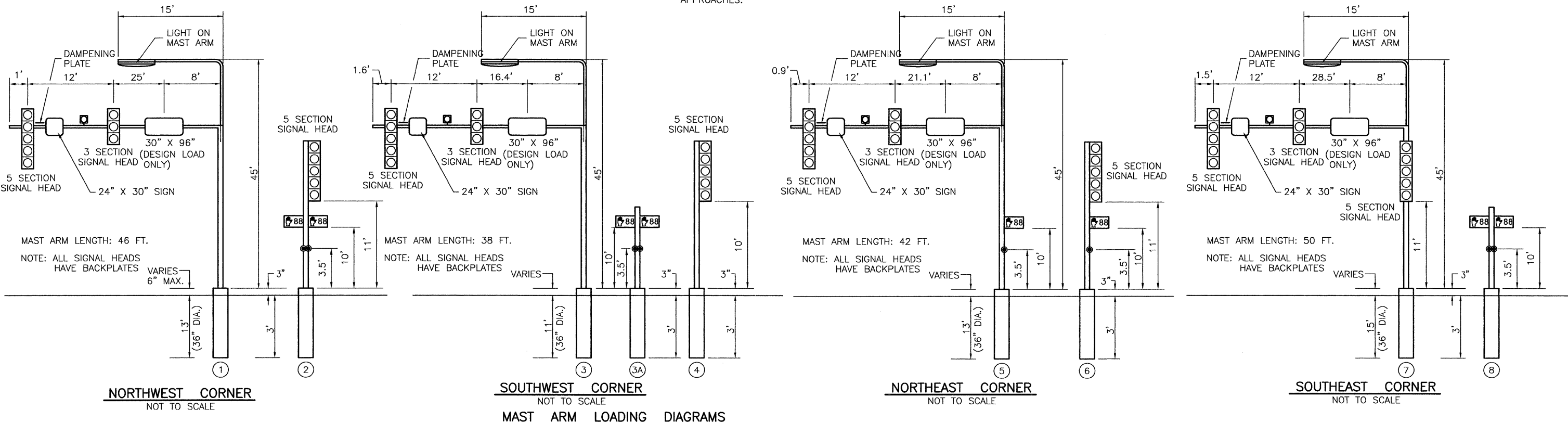


* 2 SIGN REQUIRED = 20.0 SQ. FT. EACH
= 40.0 SQ. FT. TOTAL

THIS STREET NAME SIGN SHALL BE PLACED ON THE MAST ARMS PARALLEL WITH US ROUTE 6



THE CONTRACTOR SHALL SUPPLY AND MOUNT ONE SIGN WITH EACH PEDESTRIAN PUSH-BUTTON AND THIS SHALL BE INCLUDED IN THE COST OF PEDESTRIAN PUSH-BUTTON PAY ITEM.



ALL MAST ARM FOUNDATIONS SHALL BE 36" DIAMETER

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CHECKED BY: JKC	LEVEL	BY	DATE
DATE: 10/11			

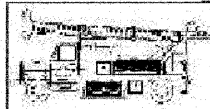
CHAMLIN & ASSOCIATES PERU MORRIS ILLINOIS

FAU 5952 (US 6)
SECTION 10-00083-00-TL
CITY OF MORRIS
GRUNDY COUNTY

TRAFFIC SIGNAL DETAILS

CONSTRUCTION PLANS
CURRENT AS OF: 10/11
SCALE: AS NOTED SHEET 35
FILE NO.: 6969.00 Y- OF 70

CONTRACT NO. 87486



Midwest Testing Services, Inc.
3705 Progress Blvd.
Peru, IL 61354

BORING LOG

Sheet 1 of 1

Phone: 815-223-6696
Fax: 815-223-6659
e-mail: mts37@comcast.net

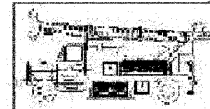
Client: Chamlin & Associates
Project Name: Traffic Signals Rte. 6 & Lakewood Drive
Project Site: Morris, IL
FAU 5952 (US 6) Sec. No. 10-00083-00-TL

Boring No. B-2
Surface Elev. 529.91
Auger Depth 21.00 Rotary Depth NA
Start Date 04/02/11 Finish Date 04/02/11

Location: Northeast Quadrant of Intersection
See Attached Location Sketch

(DEPTH) ELEV.	DESCRIPTION OF MATERIALS	Coring Log	Depth in feet	SAMPLES						DRILLED BY	REMARKS
				Sample No.	Sample Type	Qu (TSF)	N Value (Blows)	Bulge / Shear	Moisture (%)	Dry Density (PCF)	
529.91											
528.91			1								
527.91	Medium Stiff Brown Silty Clay Fill		2								
526.91			3	1	SS	1.0	6	B	23		
525.91	Buried Concrete		4								
524.91			5	2	SS		42		14		
523.91	Very Dense Brown Shaley Sandstone		6								
522.91			7								
521.91			8	3	SS		80 6"		11		
520.91			9								
519.91	Very Dense Brown/Gray Shale		10	4	SS		100 6"		10		
518.91			11								
517.91			12								
516.91			13	5	SS		100 4"		10		
515.91			14								
514.91			15								
513.91	Very Dense Gray Shale		16	6	SS		100 6"		10		
512.91			17								
511.91			18	7	SS		80 6"		11		
510.91			19								
509.91			20	8	SS		80 6"		11		

Groundwater Data: Water after 24 hrs 12-feet below top of ground elevation.
Comments: *No ground water encountered while drilling.*



Midwest Testing Services, Inc.
3705 Progress Blvd.
Peru, IL 61354

BORING LOG

Sheet 1 of 1

Phone: 815-223-6696
Fax: 815-223-6659
e-mail: mts37@comcast.net

Client: Chamlin & Associates
Project Name: Traffic Signals Rte. 6 & Lakewood Drive
Project Site: Morris, IL
FAU 5952 (US 6) Sec. No. 10-00083-00-TL

Boring No. B-1
Surface Elev. 527.43
Auger Depth 21.00 Rotary Depth NA
Start Date 04/02/11 Finish Date 04/02/11

Location: Southwest Quadrant of Intersection
See Attached Location Sketch

(DEPTH) ELEV.	DESCRIPTION OF MATERIALS	Coring Log	Depth in feet	SAMPLES						DRILLED BY	REMARKS
				Sample No.	Sample Type	Qu (TSF)	N Value (Blows)	Bulge / Shear	Moisture (%)	Dry Density (PCF)	
527.43											
526.43			1								
525.43	Medium Stiff to Stiff Brown/Gray Silty Clay		2								
524.43			3	1	SS	1.2	8	B	21		
523.43			4								
522.43	Very Dense Gray/Brown Weathered Shale with layers of Sandstone		5	2	SS		60		12		
521.43			6								
520.43			7								
519.43	Very Dense Gray/Brown Sandy Shale		8	3	SS		80 6"		10		
518.43			9								
517.43			10	4	SS		100 3"		9		
516.43			11								
515.43			12								
514.43			13	5	SS		100 4"		9		
513.43	Very Dense Gray Shale		14								
512.43			15	6	SS		100 6"		10		
511.43			16								
510.43			17								
509.43			18	7	SS		90 6"		10		
508.43			19								
507.43			20	8	SS		80 6"		11		

Groundwater Data: Water after 24 hrs 12-feet below top of ground elevation.
Comments: *No ground water encountered while drilling.*

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Drawing Name: G:\Users\AUGUSTIN\Documents\10-00083-00-Morris-STU\CAD\PLANS-STU\036-BORINGS.dwg Last Modified: Sep 22, 2011 - 9:53am Plotted on: Oct 13, 2011 - 12:02pm by nmcq

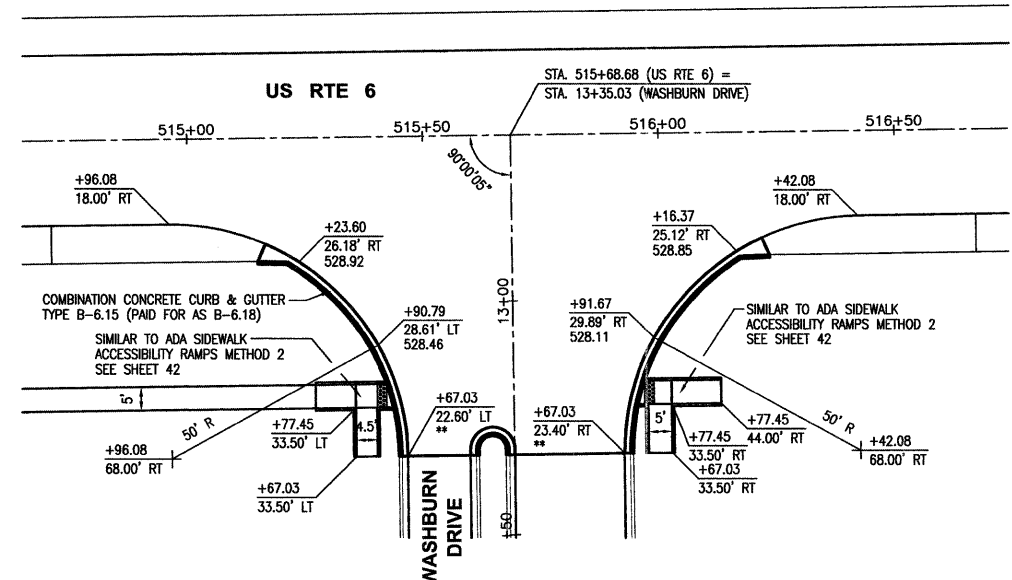
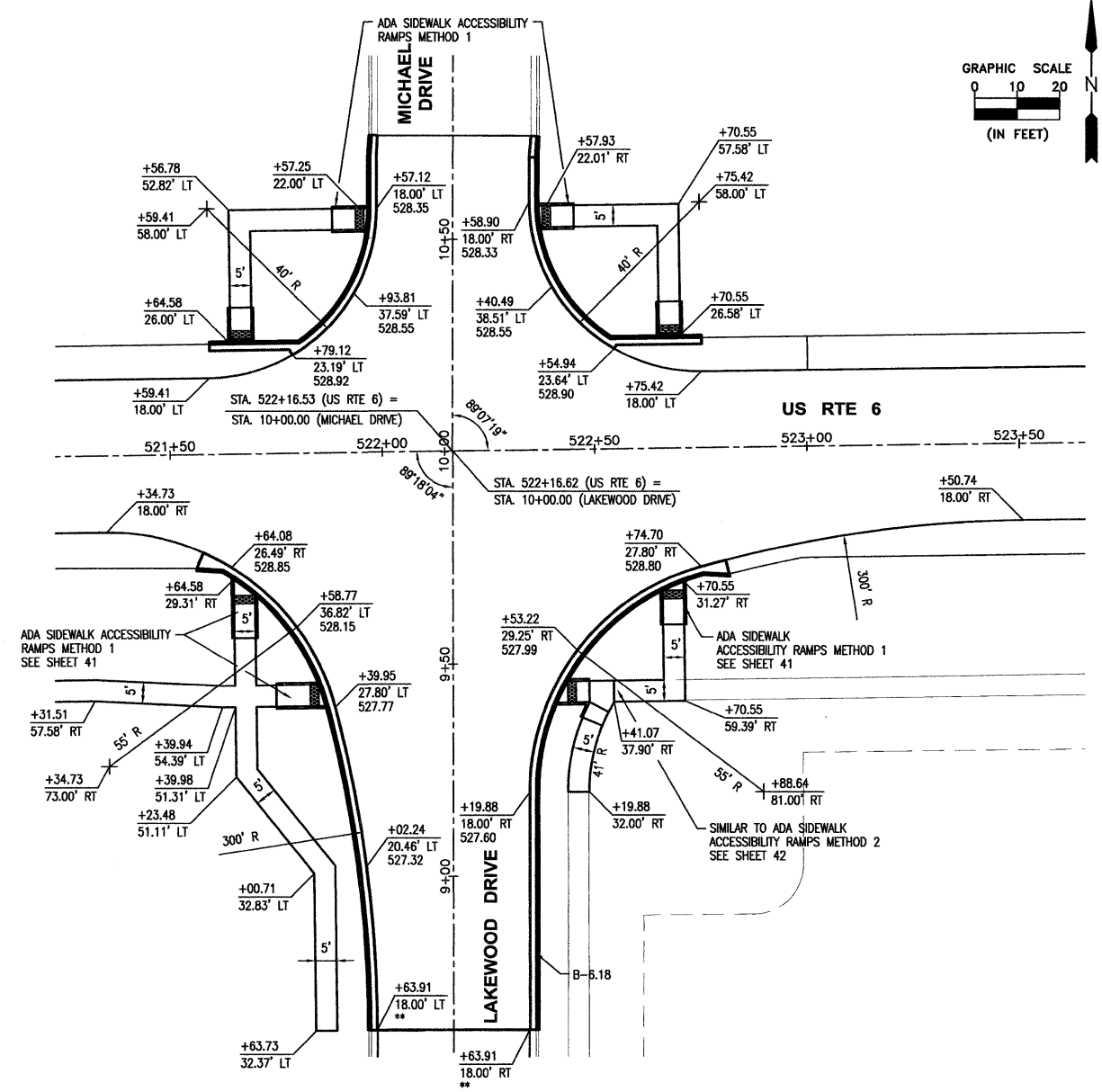
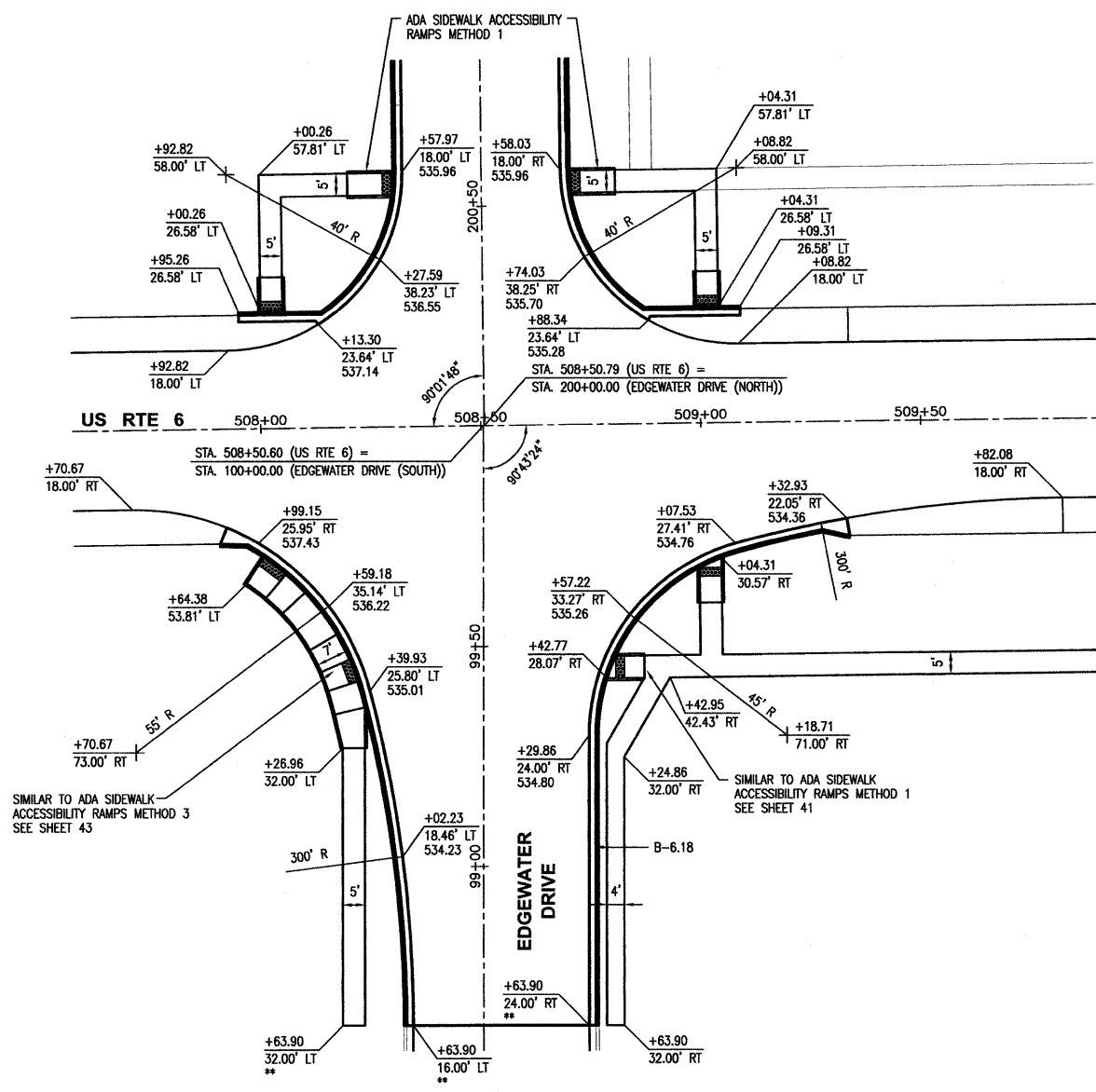
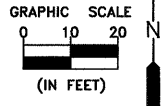
DRAWN BY: CHAMS	REVISIONS		
CHECKED BY: JKC	LEVEL	BY	DATE
DATE: 10/11			

CHAMLIN & ASSOCIATES
PERU MORRIS
ILLINOIS

FAU 5952 (US 6)
SECTION 10-00083-00-TL
CITY OF MORRIS
GRUNDY COUNTY

TRAFFIC SIGNAL SOIL BORINGS

CONSTRUCTION PLANS
CURRENT AS OF: 10/11
SCALE: AS NOTED SHEET 36
FILE NO.: 6969.00 Y- OF 70



** - MATCH EXISTING
 [Symbol] - DETECTABLE WARNING

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 Drawing Name: C:\Users\jva\OneDrive\Documents\CHAMBLIN\Projects\10-00083-00-TL\10-00083-00-TL.dwg
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 Drawn by: jva
 Checked by: jkc
 Date: 10/11/11

DRAWN BY: CHAMS	REVISIONS	
CHECKED BY: JKC	LEVEL	DESCRIPTION
DATE: 10/11	BY	DATE

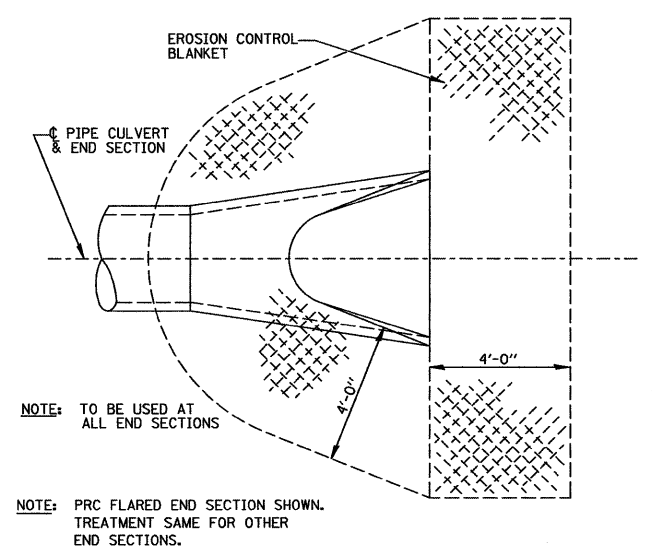
CHAMBLIN & ASSOCIATES
 PERU MORRIS
 ILLINOIS

FAU 5952 (US 6)
 SECTION 10-00083-00-TL
 CITY OF MORRIS
 GRUNDY COUNTY

INTERSECTION DETAILS

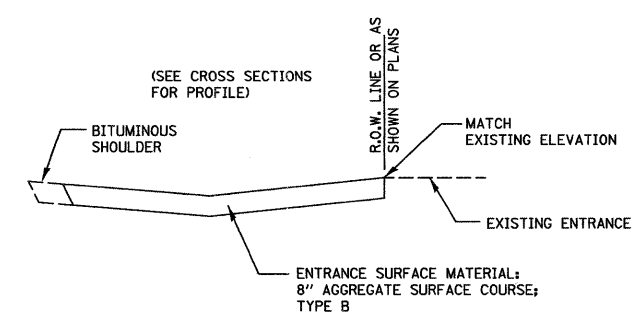
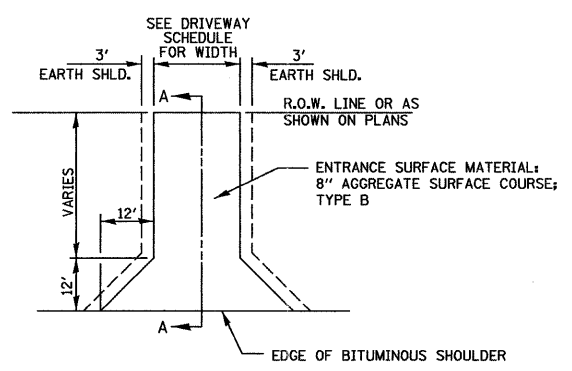
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	CURRENT AS OF: 10/11	SHEET 37
	SCALE: AS NOTED	FILE NO.: 6969.00 Y- OF 70

CHAMBLIN & ASSOCIATES, INC. © 2010
 Drawing Name: G:\Users\A\G669-00-Morris-Stu\CAD\PLANS-STU\038-DETAILS.dwg, Last Modified: Sep 22, 2011 - 10:30am, Plotted on: Oct 13, 2011 - 12:30pm by nansig

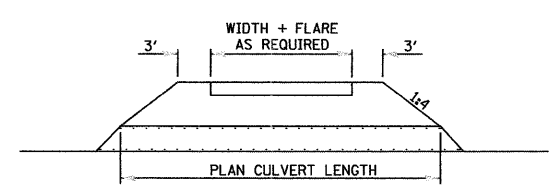


**DETAIL OF EROSION CONTROL BLANKET
LINING AROUND END SECTION**

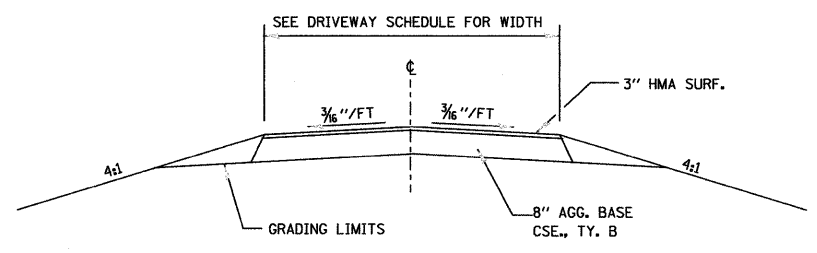
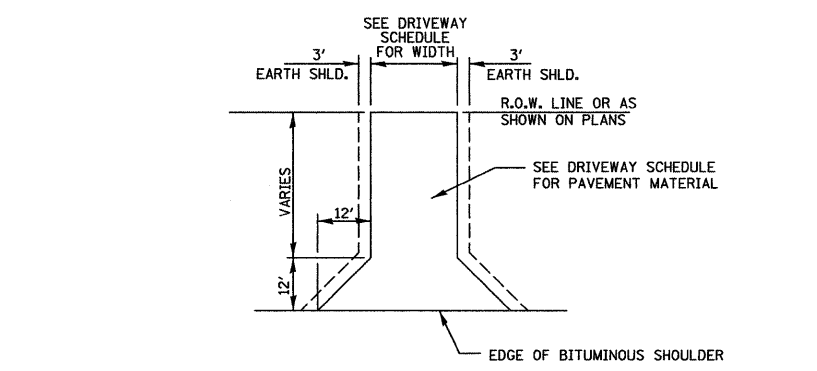
251-2



SECTION A-A



FIELD ENTRANCE DETAIL



COMMERCIAL ENTRANCE

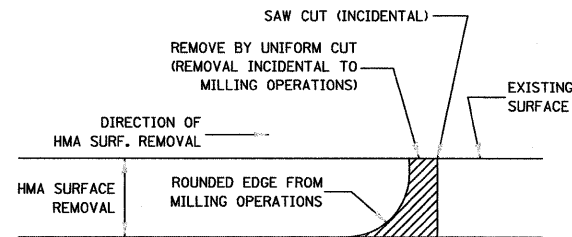
DRAWN BY: CHAMS	REVISIONS			
CHECKED BY: JKC	LEVEL	BY	DATE	DESCRIPTION
DATE: 10/11				

CHAMBLIN & ASSOCIATES
 PERU MORRIS ILLINOIS

FAU 5952 (US 6)
 SECTION 10-00083-00-TL
 CITY OF MORRIS
 GRUNDY COUNTY

DETAILS

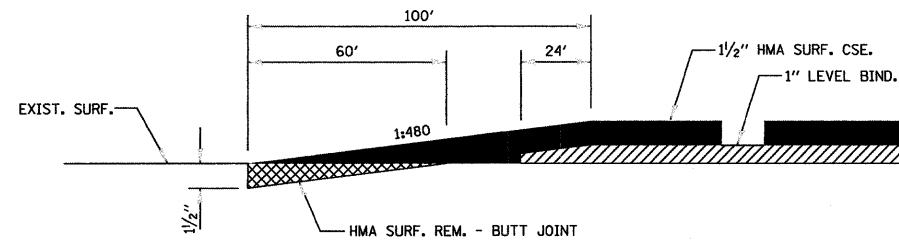
CONSTRUCTION PLANS
 CONTRACT NO. 87486
 CURRENT AS OF: 10/11
 SCALE: AS NOTED SHEET 38
 FILE NO.: 6969.00 Y- OF 70



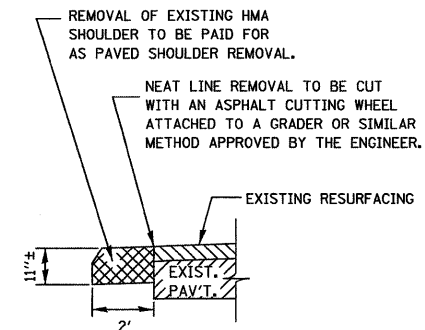
NOTE:
 WHEN MILLING OPERATIONS PRODUCE A ROUNDED EDGE,
 THEN A SAW CUT SHALL BE USED TO MANUFACTURE
 A PERPENDICULAR EDGE AS SHOWN IN THE DETAIL.
 THE ENGINEER SHALL BE THE SOLE JUDGE
 CONCERNING THE USE OF THIS DETAIL

HMA DETAIL AT BUTT JOINTS

406-8



406-11



**REMOVAL OF EXISTING
 HMA SHOULDER**

440-1

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 Drawing Name: C:\Users\jchamblin\Documents\STU\CAD\PLANS-STU\038-DETAILS.dwg Last Modified: Sep 22, 2011 - 10:38am Plotted on: Oct 13, 2011 - 12:31pm by ronsiq

DRAWN BY: CHAMS	REVISIONS		
CHECKED BY: JKC	LEVEL	BY	DATE
DATE: 10/11			

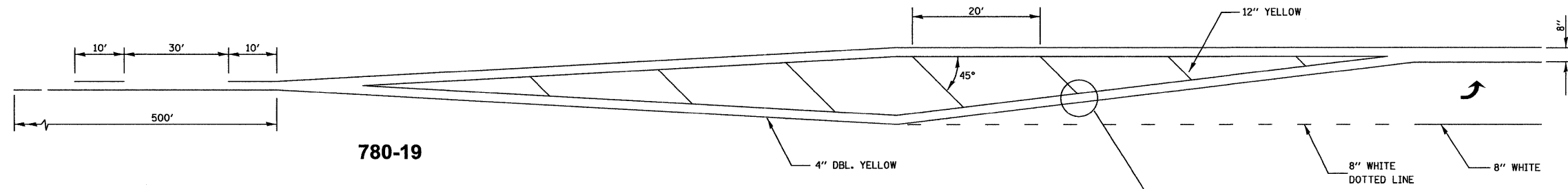

CHAMBLIN & ASSOCIATES
 PERU MORRIS ILLINOIS

FAU 5952 (US 6)
 SECTION 10-00083-00-TL
 CITY OF MORRIS
 GRUNDY COUNTY

DETAILS

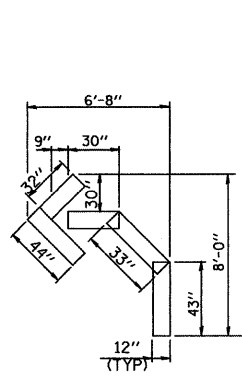
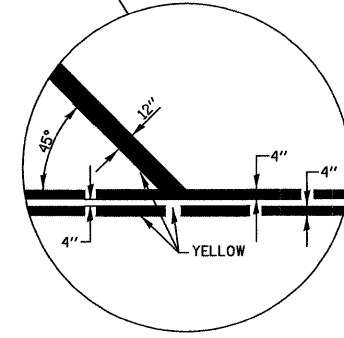
**CONSTRUCTION
 PLANS**

CONTRACT NO. 87486	
CURRENT AS OF: 10/11	
SCALE: AS NOTED	SHEET 39
FILE NO.: 6969.00 Y-	OF 70

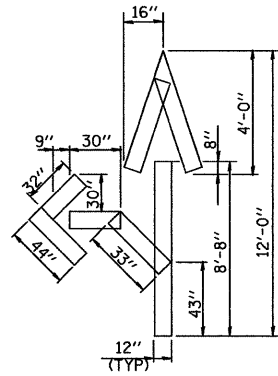


780-19

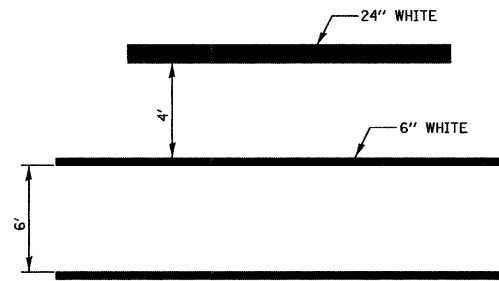
**ADVANCE AND INTERSECTION LANE
DIVIDER LINES**



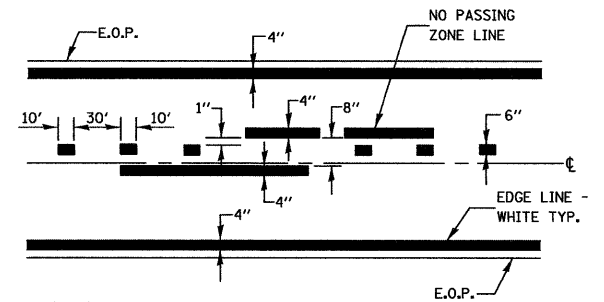
QUANTITY
12" LINE = 16 LIN. FT.
OR 4" LINE = 48 LIN. FT.



QUANTITY
12" LINE = 29 LIN. FT.
OR 4" LINE = 87 LIN. FT.

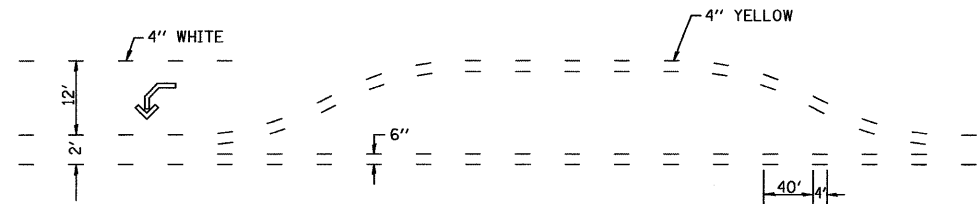


**TYPICAL SPACING DETAIL FOR
CROSSWALKS AND STOP BARS**

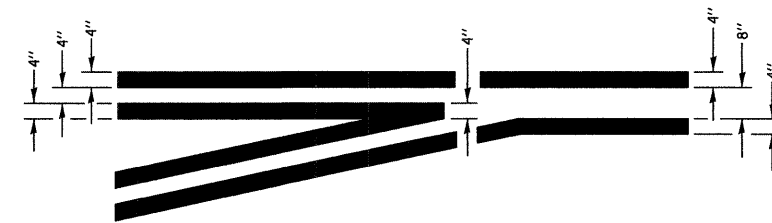


NO PASSING
ZONE LINES - YELLOW (SEE TYPICAL SECTIONS)

PAVEMENT MARKING



SHORT-TERM PAVEMENT MARKING FOR MEDIANS AND ARROWS



**TYPICAL APPLICATION
@ LEFT TURN LANES**

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CHECKED BY: JKC	LEVEL	BY	DATE	DESCRIPTION
DATE: 10/11				

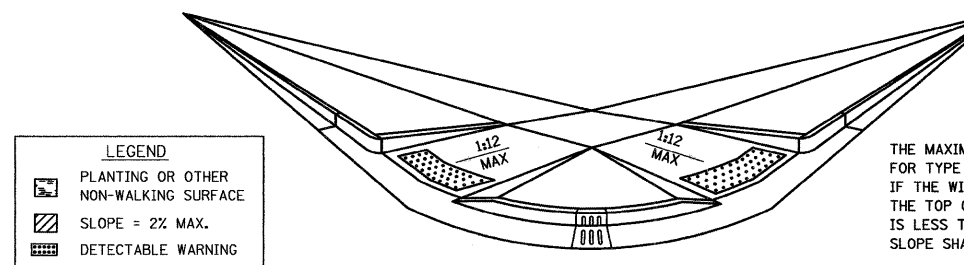
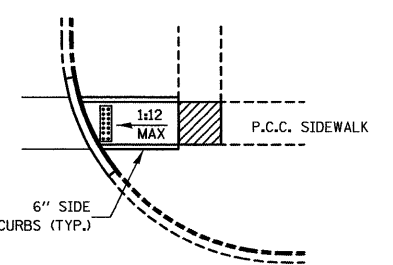
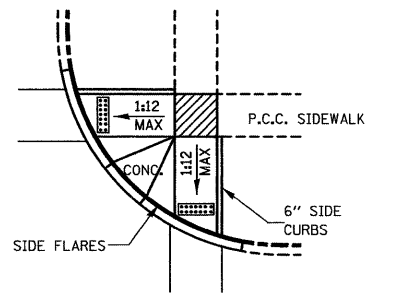
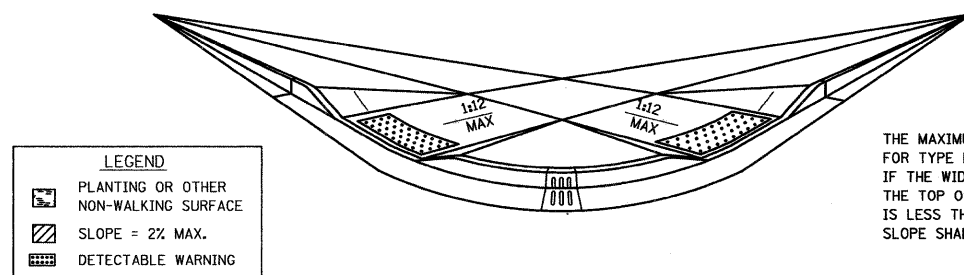
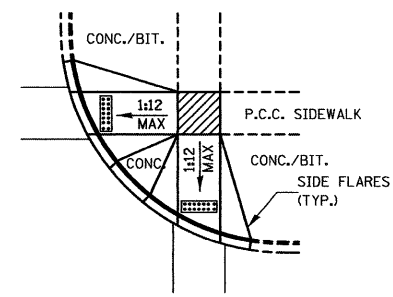
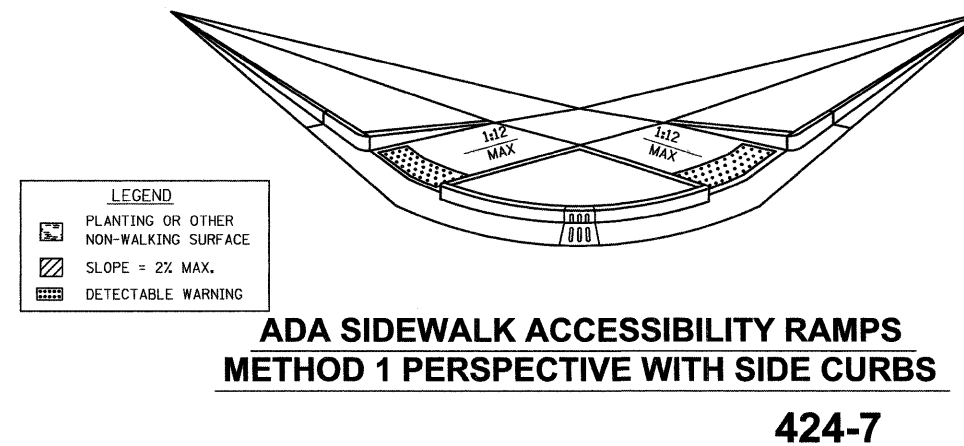
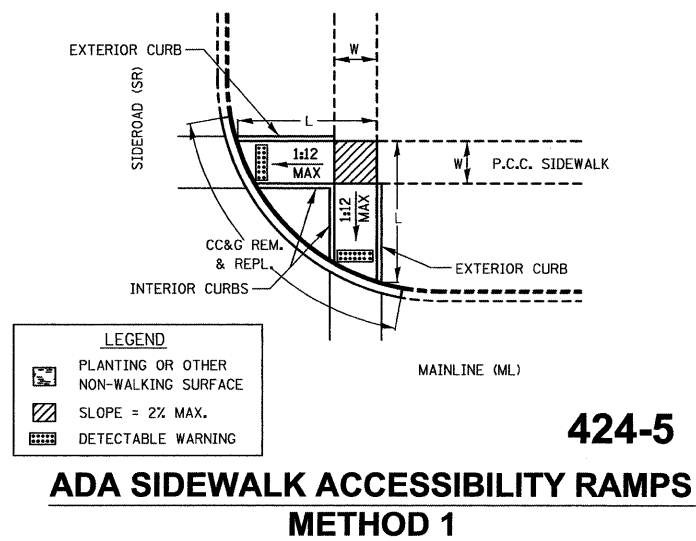
CHAMBLIN & ASSOCIATES
PERU MORRIS ILLINOIS

FAU 5952 (US 6)
SECTION 10-00083-00-TL
CITY OF MORRIS
GRUNDY COUNTY

DETAILS

CONSTRUCTION
PLANS

CONTRACT NO. 87486	
CURRENT AS OF: 10/11	
SCALE: AS NOTED	SHEET 40
FILE NO.: 6969.00 Y-	OF 70



424-6
TYPICAL CURB APPLICATIONS FOR METHOD 1

424-9
ADA SIDEWALK ACCESSIBILITY RAMPS
METHOD 1 PERSPECTIVE WITH SIDE CURBS AND SIDE FLARES

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Drawing Name: C:\Users\j\Documents\STU\CD\PLANS-STU\CD\PLANS-STU\CD\DETAILS.dwg User: j\morris Date: 10/11/11 10:39am Plotted on: Oct 13, 2011 12:31pm by ransig

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DATE: 10/11				

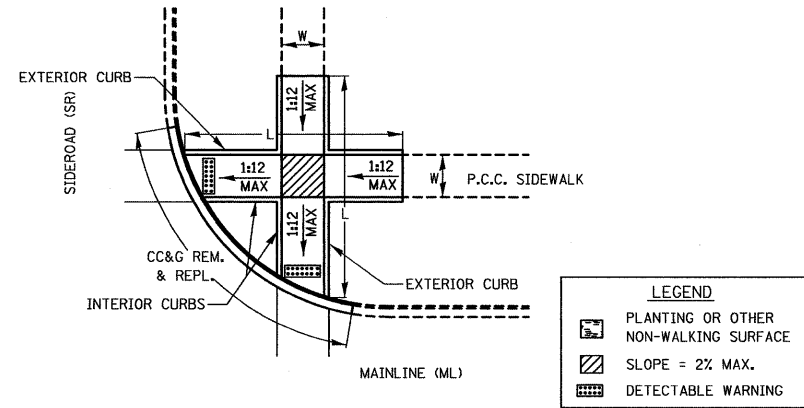
CHAMLIN & ASSOCIATES
PERU MORRIS
ILLINOIS

FAU 5952 (US 6)
SECTION 10-00083-00-TL
CITY OF MORRIS
GRUNDY COUNTY

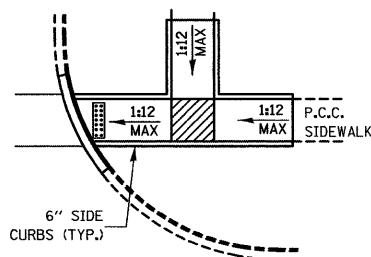
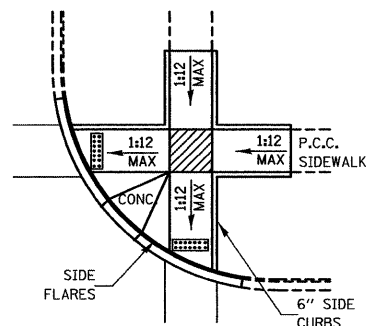
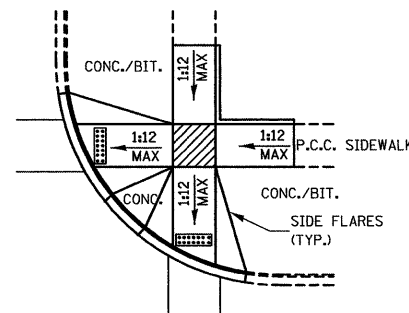
DETAILS

CONSTRUCTION
PLANS

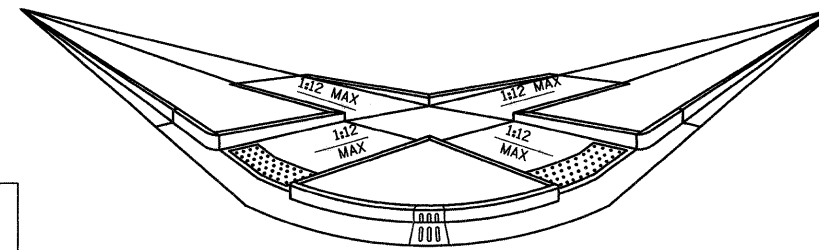
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CURRENT AS OF: 10/11	
SCALE: AS NOTED	SHEET 41
FILE NO.: 6969.00 Y-	OF 70



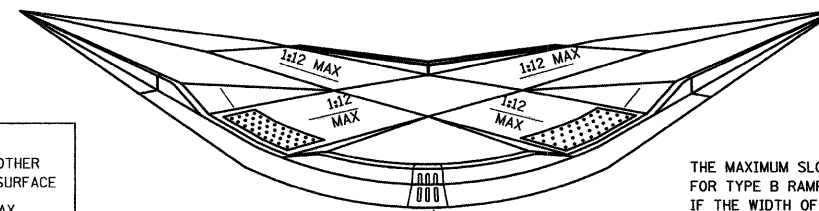
**ADA SIDEWALK ACCESSIBILITY RAMPS
METHOD 2
424-10**



**424-11
TYPICAL CURB APPLICATIONS FOR METHOD 2**



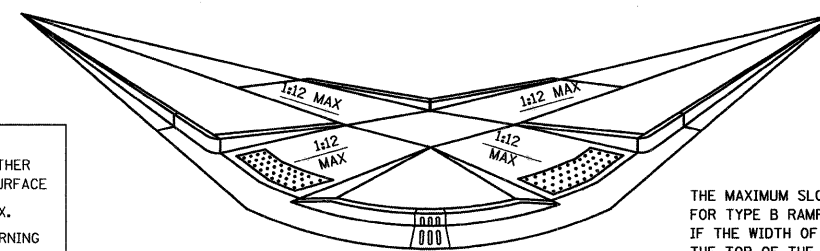
**424-12
ADA SIDEWALK ACCESSIBILITY RAMPS
METHOD 2 PERSPECTIVE WITH SIDE CURBS**



**ADA SIDEWALK ACCESSIBILITY RAMPS
METHOD 2 PERSPECTIVE WITH SIDE FLARES**

THE MAXIMUM SLOPE OF THE SIDE FLARE FOR TYPE B RAMPS SHALL BE 1:10; HOWEVER, IF THE WIDTH OF THE LANDING AREA BETWEEN THE TOP OF THE RAMP AND AN OBSTRUCTION IS LESS THAN 4'-0" THEN THE MAXIMUM SLOPE SHALL BE 1:12.

424-13



**ADA SIDEWALK ACCESSIBILITY RAMPS
METHOD 2 PERSPECTIVE WITH SIDE CURBS AND SIDE FLARES**

THE MAXIMUM SLOPE OF THE SIDE FLARE FOR TYPE B RAMPS SHALL BE 1:10; HOWEVER, IF THE WIDTH OF THE LANDING AREA BETWEEN THE TOP OF THE RAMP AND AN OBSTRUCTION IS LESS THAN 4'-0" THEN THE MAXIMUM SLOPE SHALL BE 1:12.

424-14

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DATE: 10/11				

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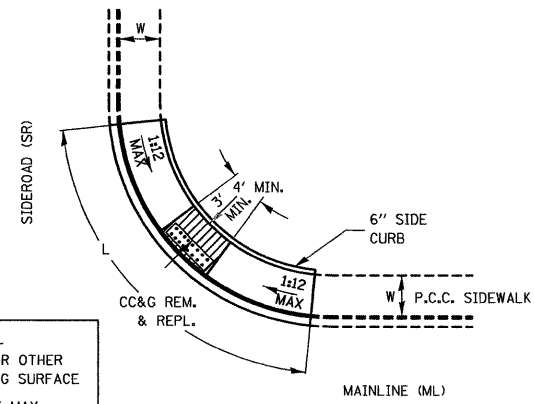
FAU 5952 (US 6)
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DETAILS

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CURRENT AS OF: 10/11	
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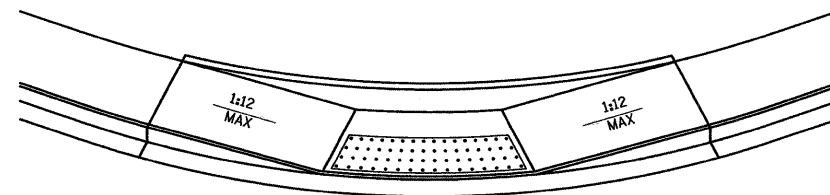


LEGEND

	PLANTING OR OTHER NON-WALKING SURFACE
	SLOPE = 2% MAX.
	DETECTABLE WARNING

**ADA SIDEWALK ACCESSIBILITY RAMPS
METHOD 3**

424-15



LEGEND

	PLANTING OR OTHER NON-WALKING SURFACE
	SLOPE = 2% MAX.
	DETECTABLE WARNING

**ADA SIDEWALK ACCESSIBILITY RAMPS
METHOD 3 PERSPECTIVE**

424-16

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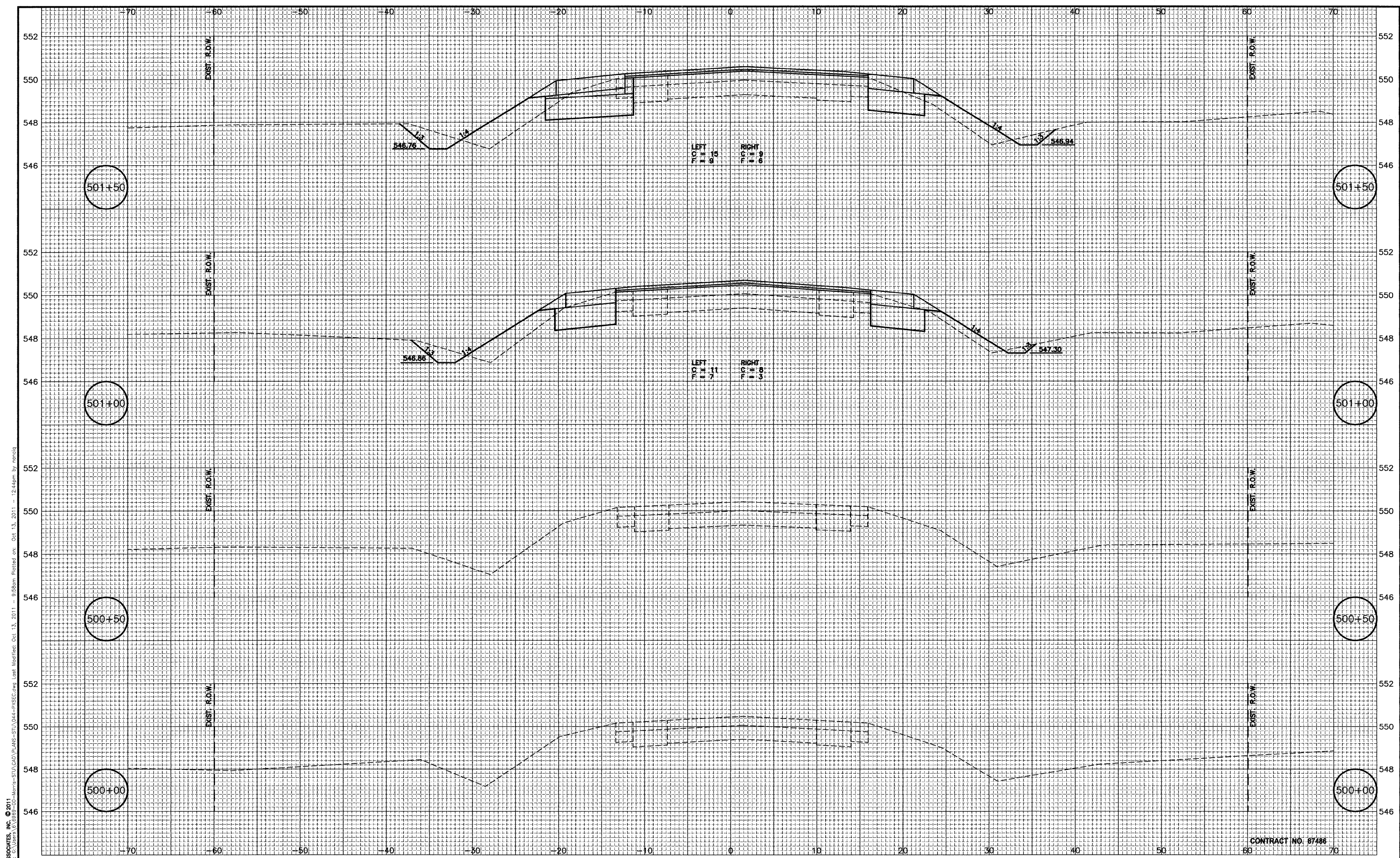
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GRUNDY COUNTY

DETAILS

**CONSTRUCTION
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CONTRACT NO. 87486

CURRENT AS OF: 10/11	
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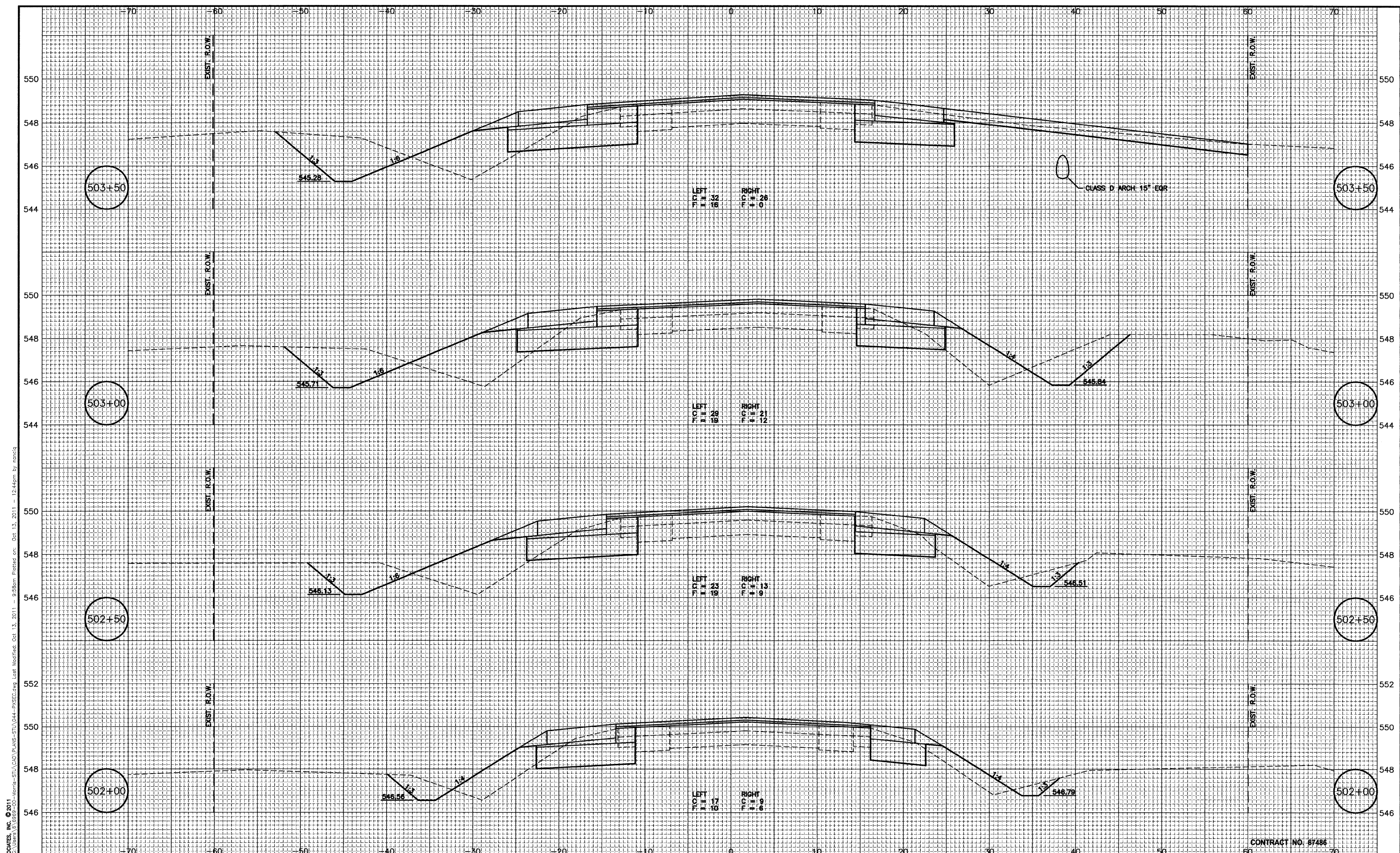
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CROSS SECTION
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 CURRENT AS OF: 10/11
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 FILE NO.: 6969.00 Y-
 SHEET 44 OF 70



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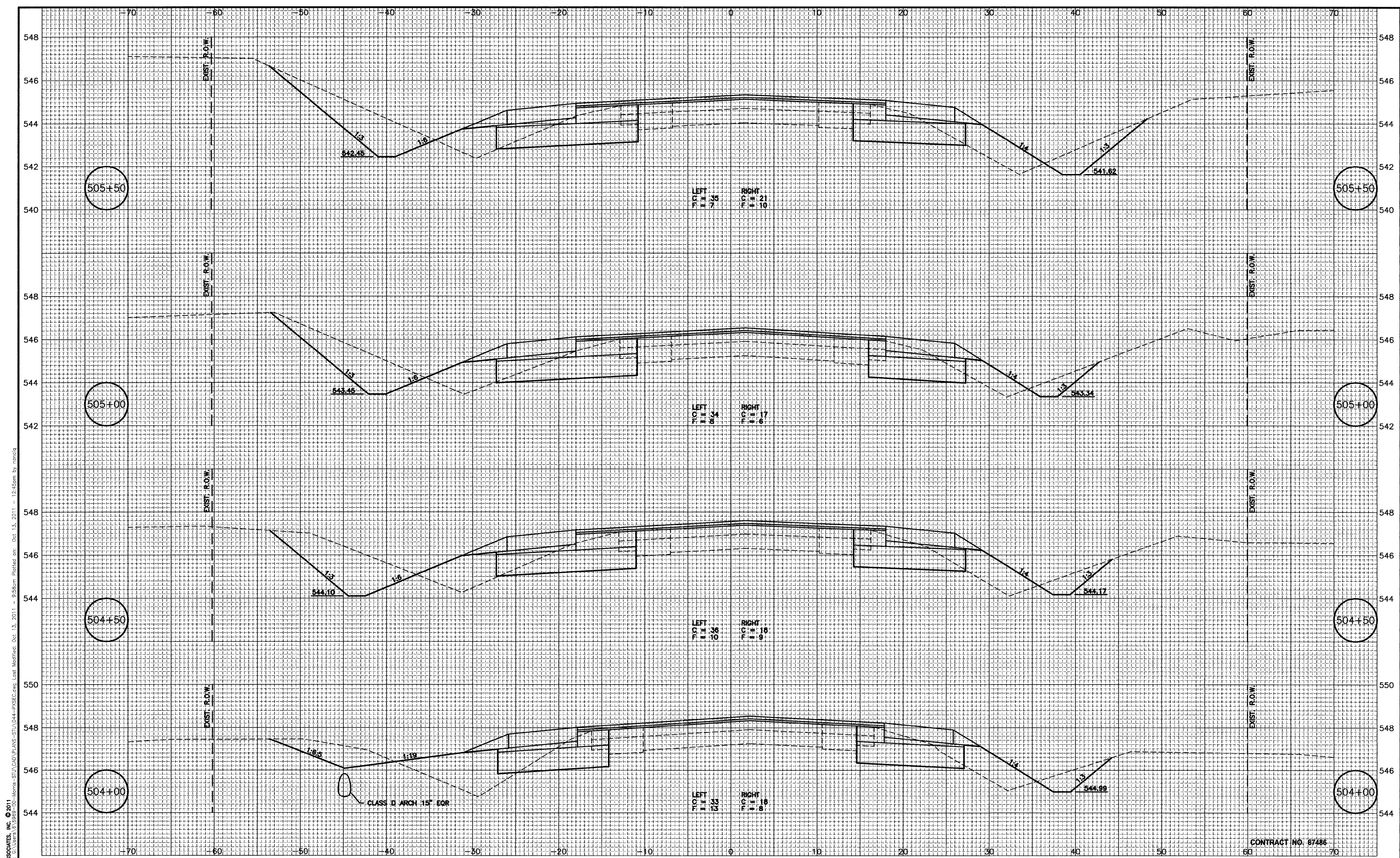
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CROSS SECTION
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CONSTRUCTION PLANS		CURRENT AS OF: 10/11
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FILE NO.: 6969.00 Y-	OF 70	



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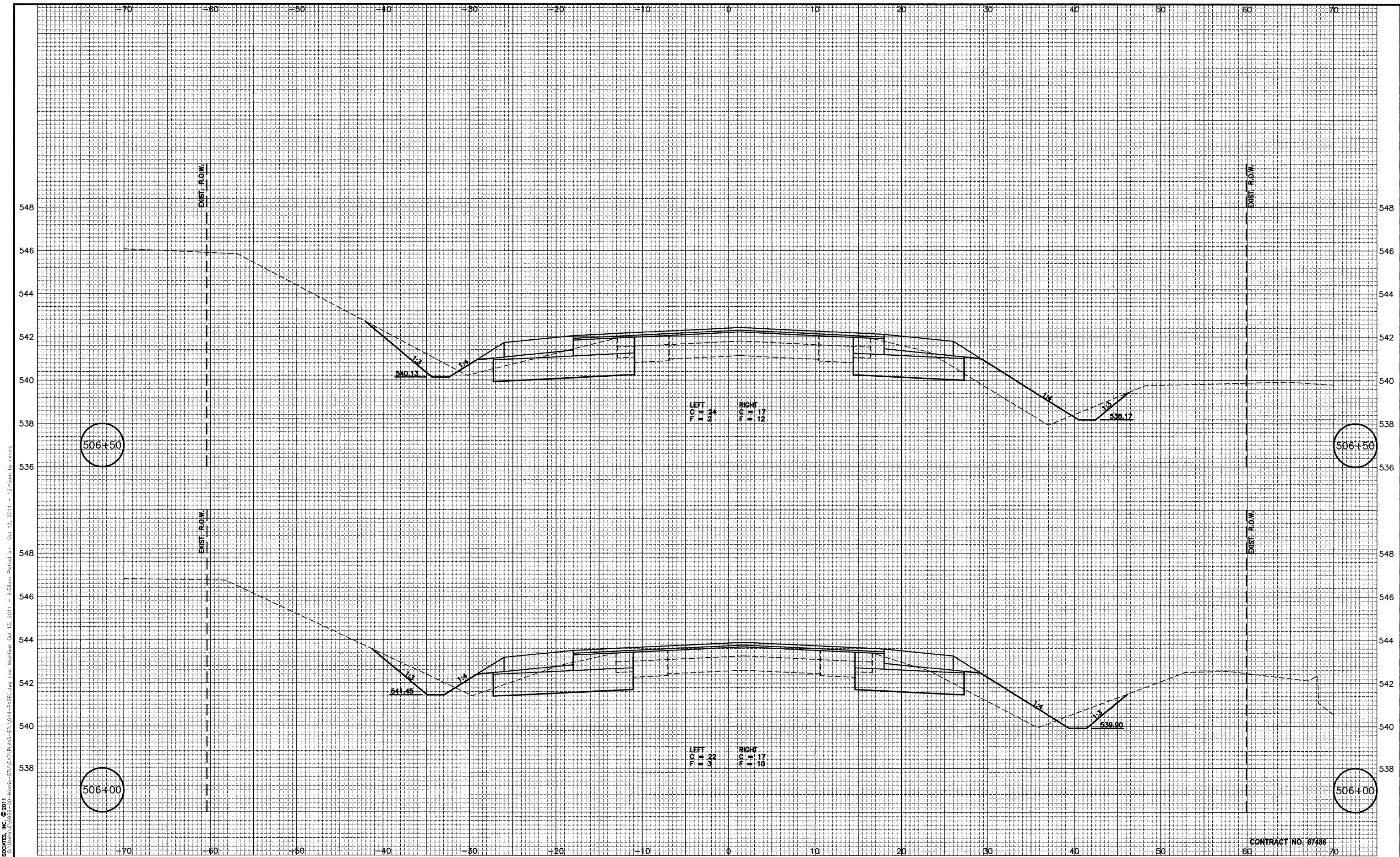
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CROSS SECTION
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CONSTRUCTION PLANS
 CURRENT AS OF: 10/11
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 SHEET 46 OF 70



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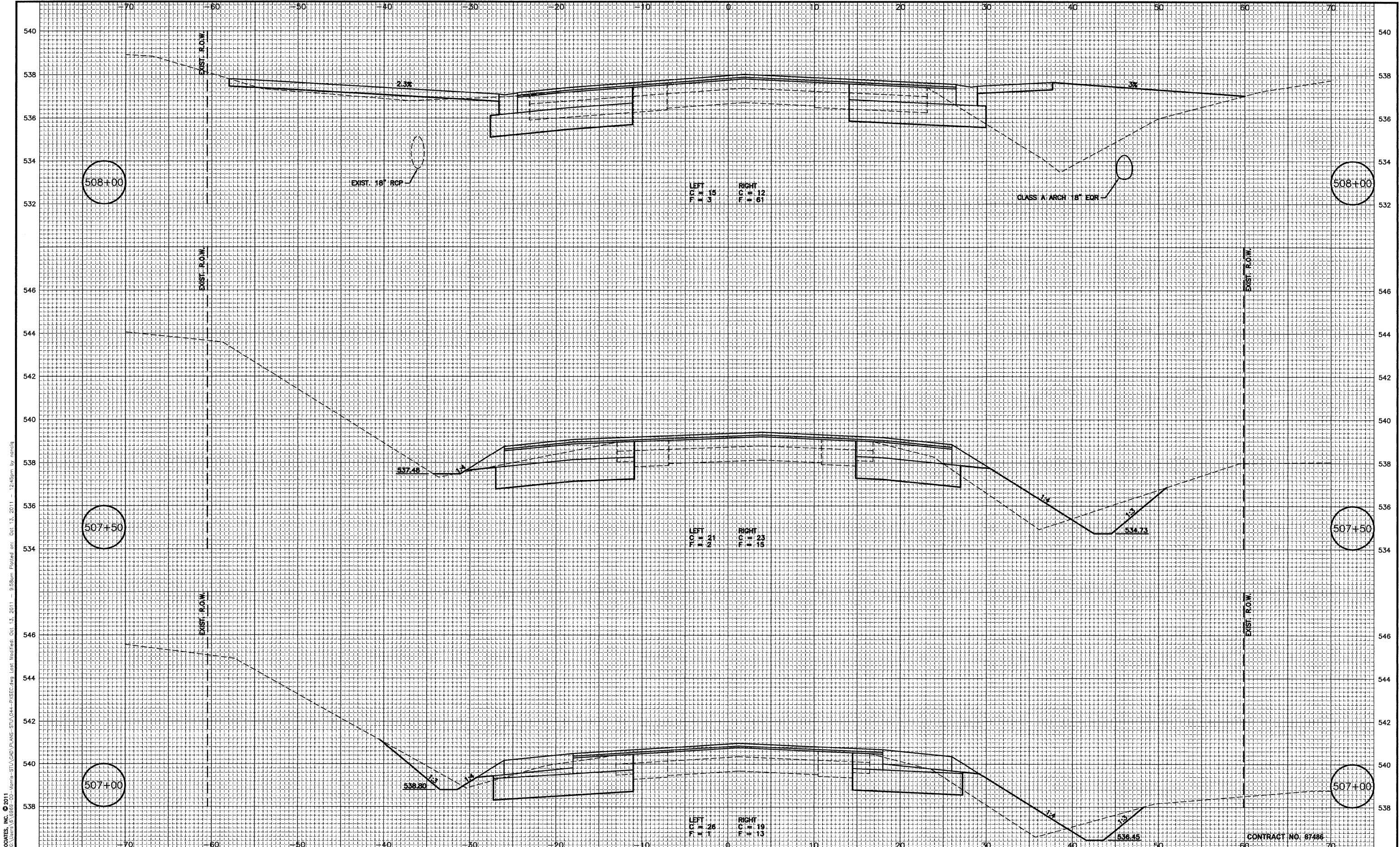
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 CITY OF MORRIS
 GRUNDY COUNTY

CROSS SECTION
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 CURRENT AS OF: 10/11
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 SHEET 47
 OF 70



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PERU MORRIS
ILLINOIS

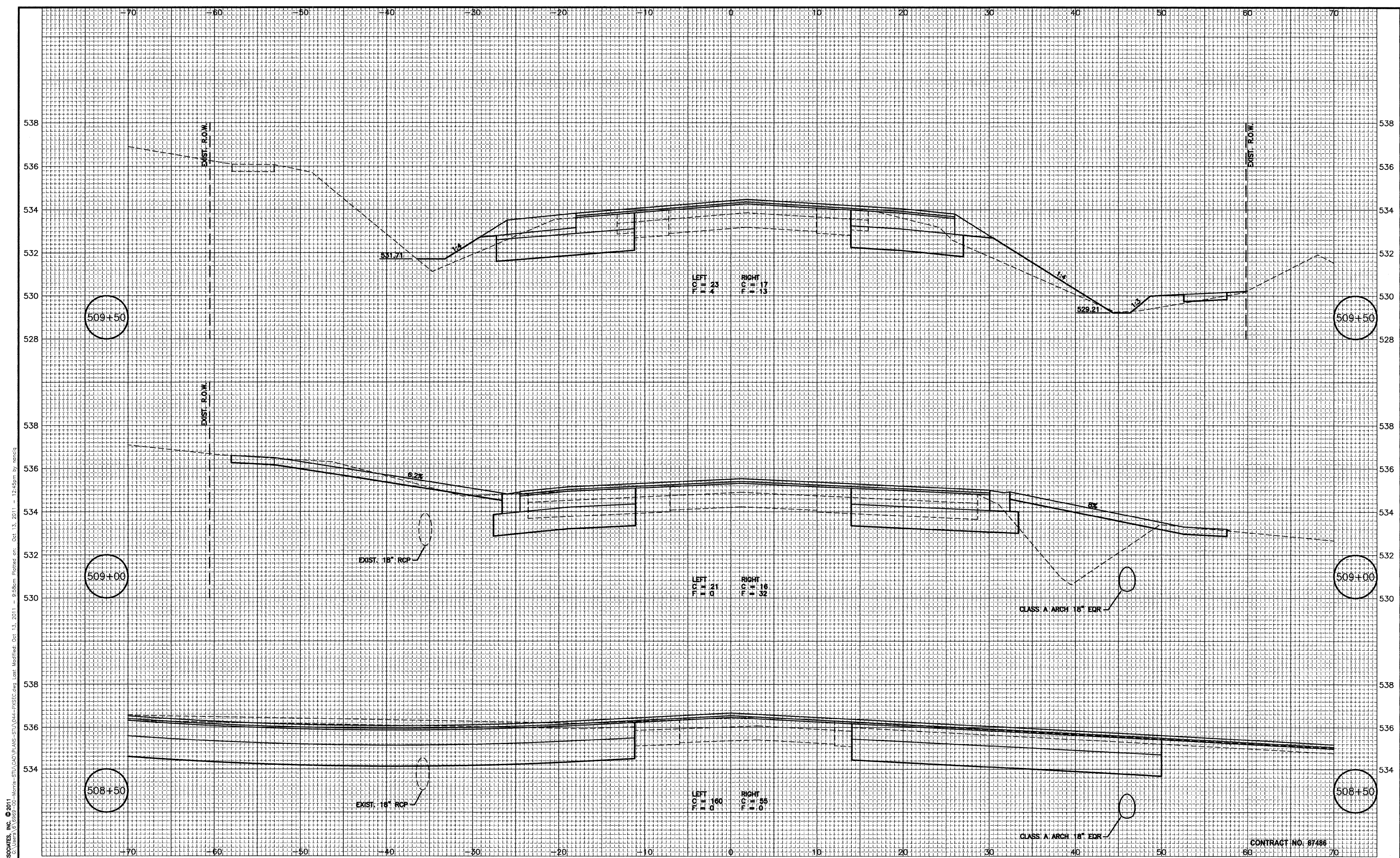
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 GRUNDY COUNTY

CROSS SECTION
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CONSTRUCTION PLANS
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SHEET 48	OF 70
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CONTRACT NO: 67486



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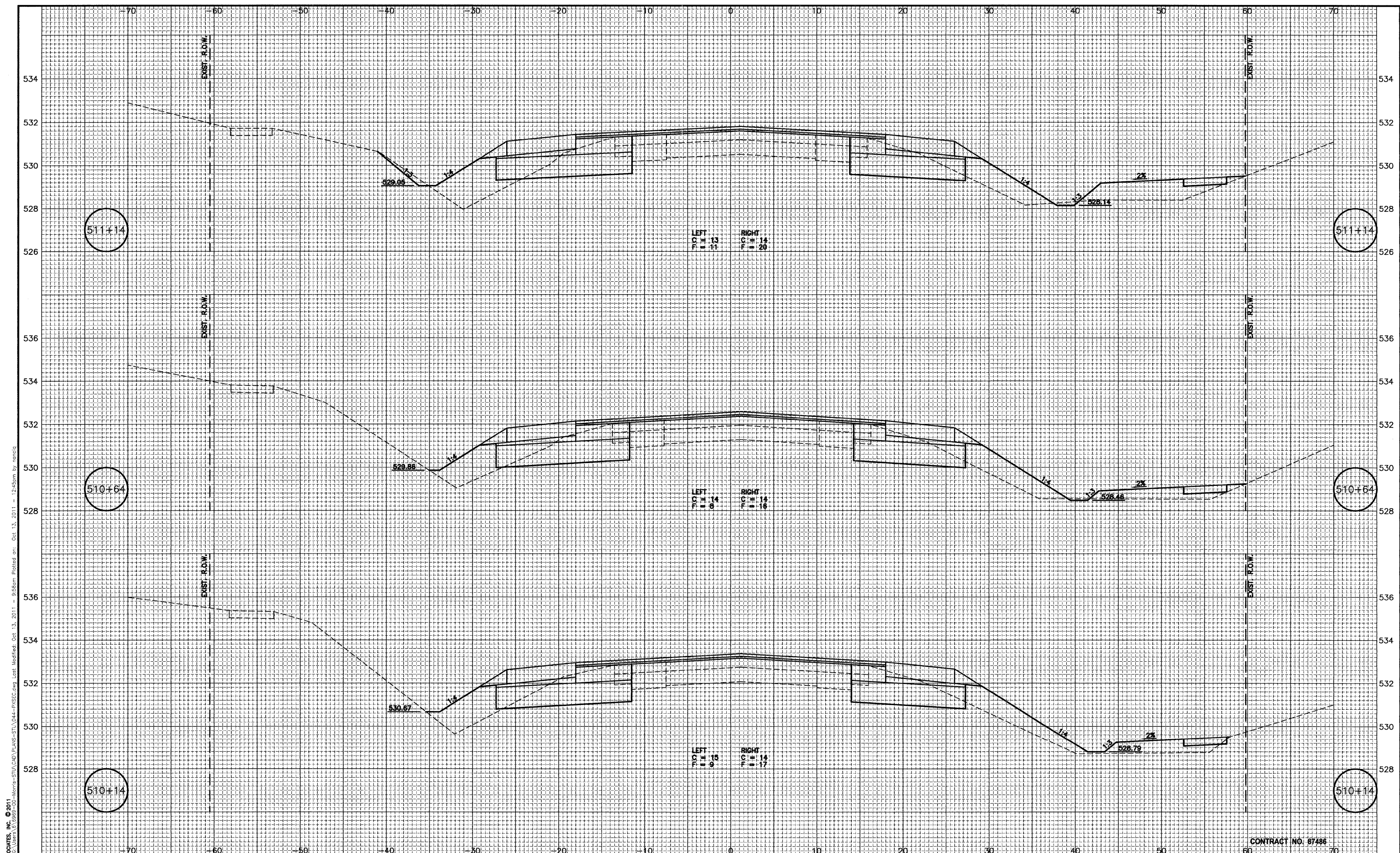
FAU 5952 (US 6)
 SECTION 10-00083-00-TL
 CITY OF MORRIS
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CROSS SECTION
 US 6

CONSTRUCTION PLANS
 CURRENT AS OF: 10/11
 SCALE: AS NOTED
 FILE NO.: 6969.00 Y-

SHEET 49	OF 70
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CONTRACT NO: 67466



LEFT
P.C. = 13
I.C. = 21

RIGHT
P.C. = 14
F.C. = 20

LEFT
P.C. = 14
F.C. = 8

RIGHT
P.C. = 14
F.C. = 16

LEFT
P.C. = 15
I.C. = 9

RIGHT
P.C. = 14
F.C. = 17

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 Drawing Name: C:\Users\jv\Documents\STU\CAD\PLANS-STU\044-PAVSEC.dwg Last Modified: Oct 13, 2011 - 9:58am Plotted on: Oct 13, 2011 - 12:45pm by narelle

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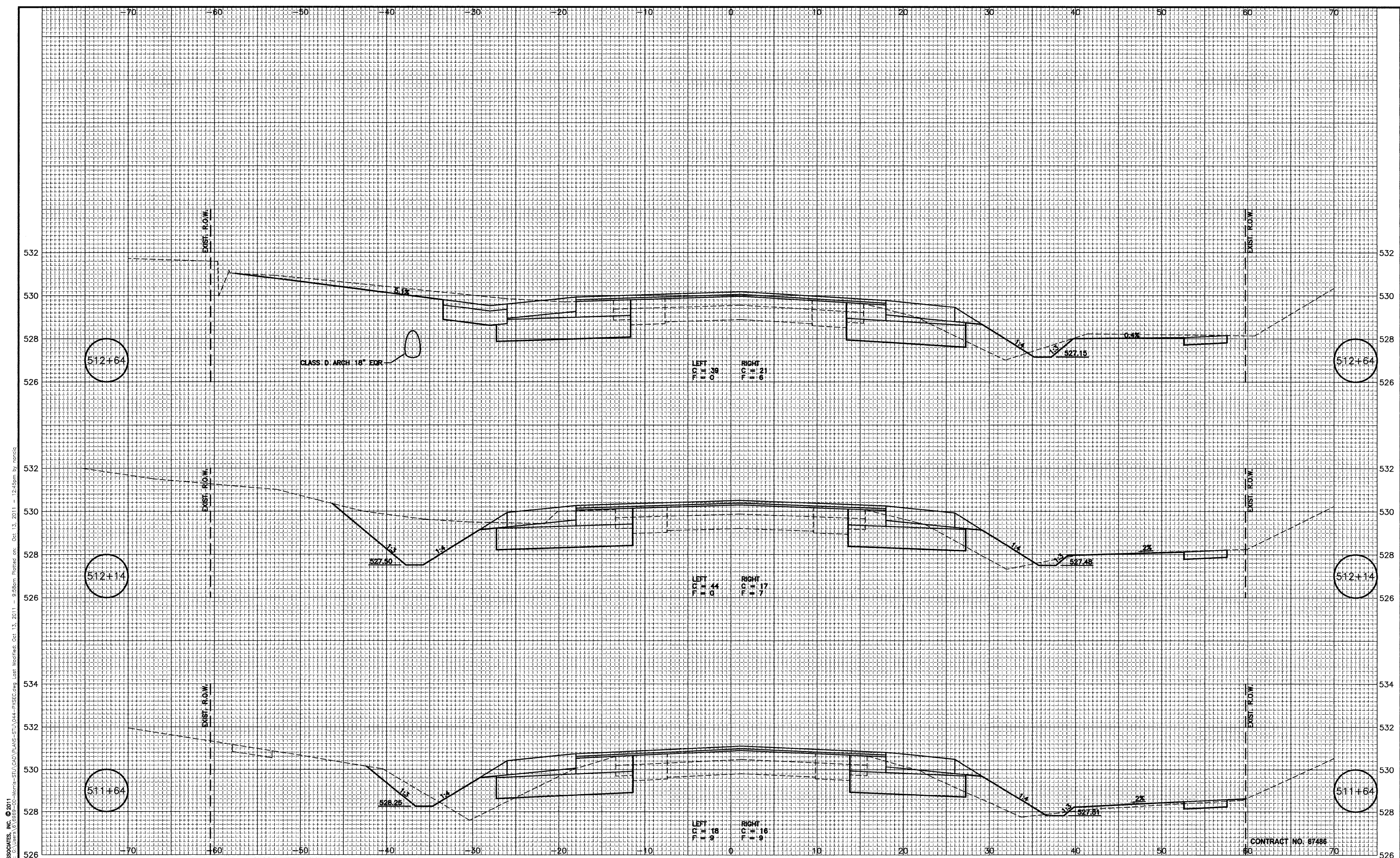
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CROSS SECTION
US 6

CONSTRUCTION PLANS

CURRENT AS OF: 10/11	SHEET 50
SCALE: AS NOTED	OF 70
FILE NO.: 6969.00 Y-	



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DATE: 10/11			

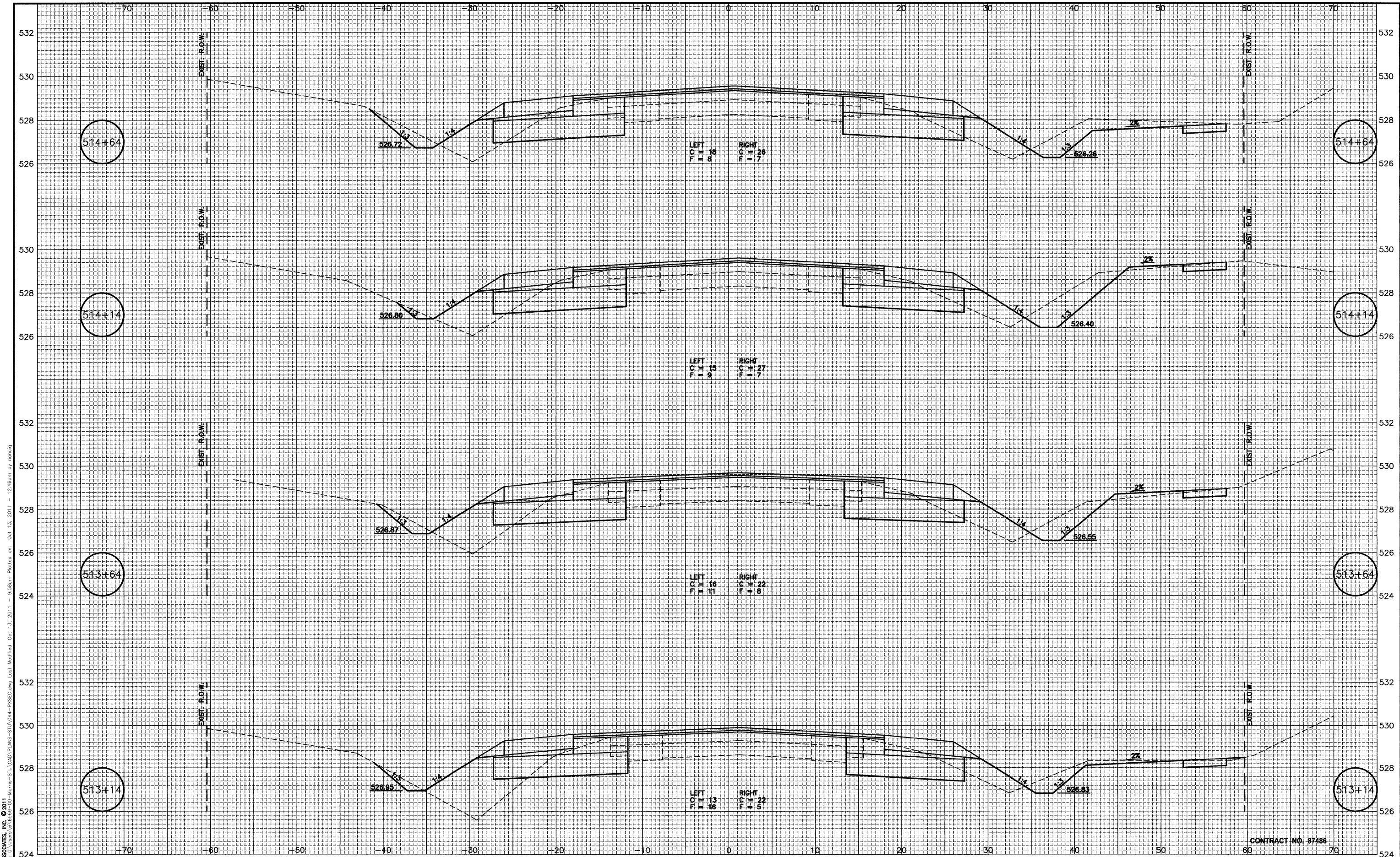
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CROSS SECTION
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CONSTRUCTION PLANS
 CURRENT AS OF: 10/11
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 FILE NO.: 6969.00 Y-
 SHEET 51
 OF 70

CONTRACT NO. 87486



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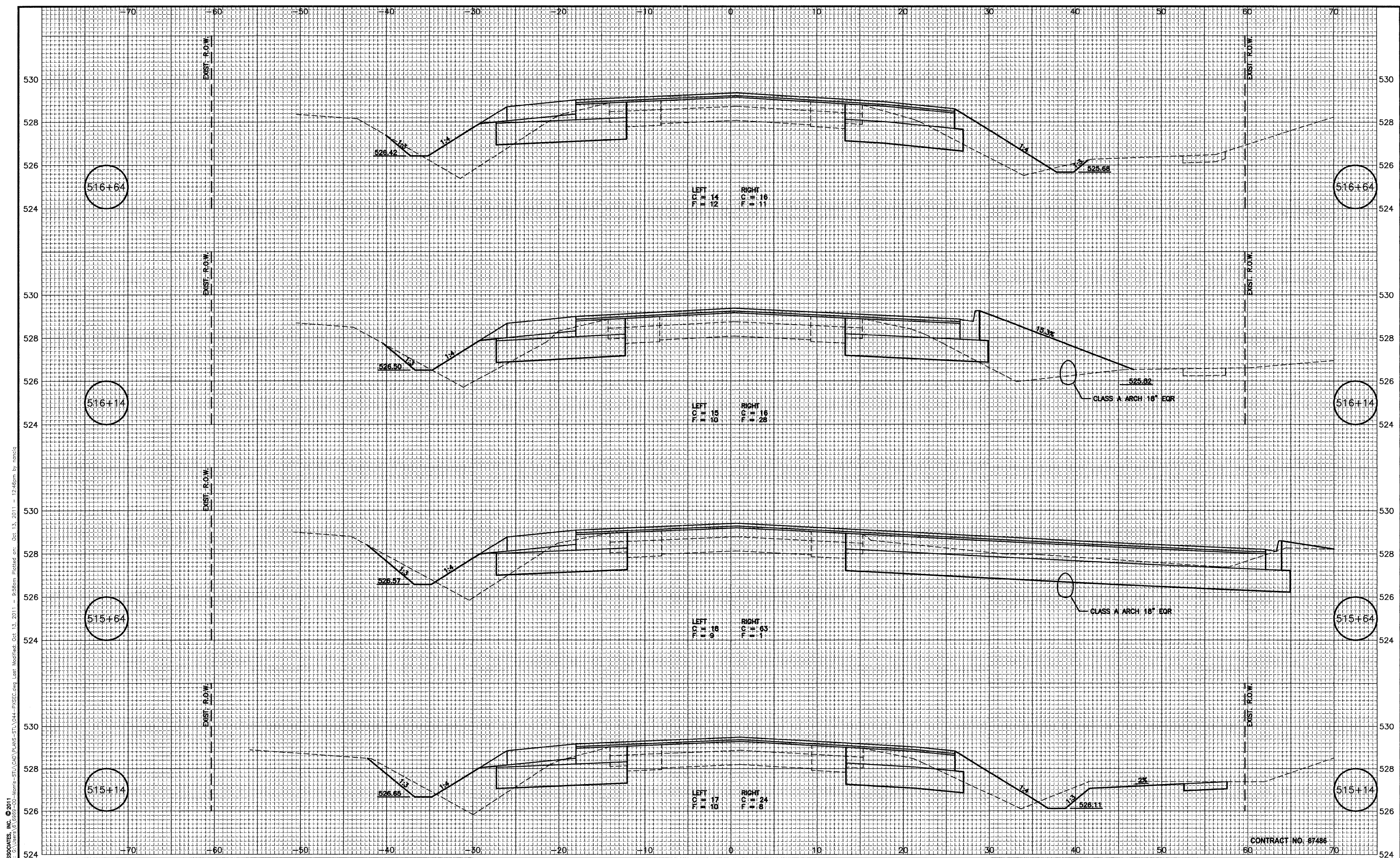
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CROSS SECTION
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CONSTRUCTION PLANS

CONTRACT NO: 87466	CURRENT AS OF: 10/11
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FILE NO.: 6969.00 Y-	OF 70



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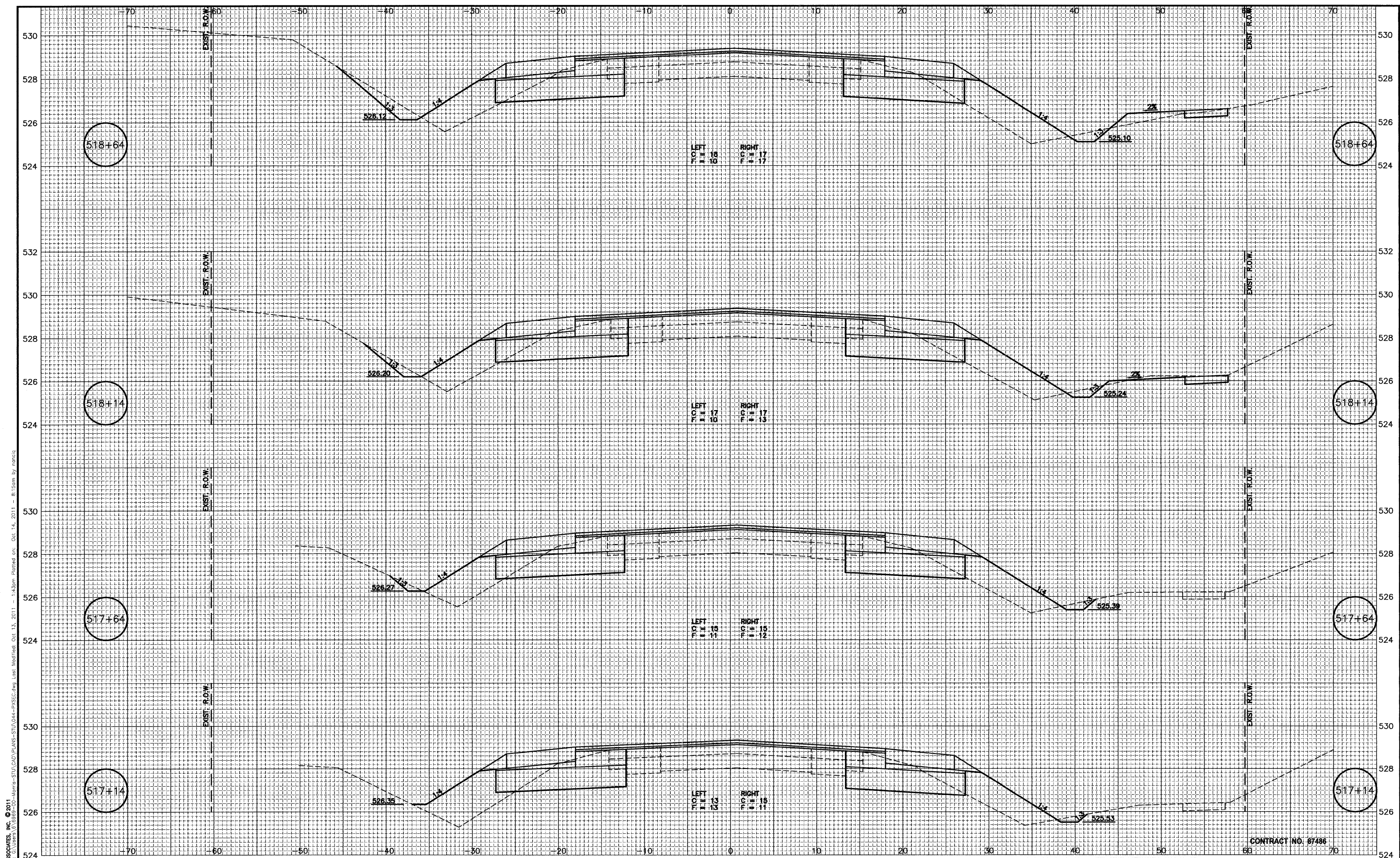


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CROSS SECTION
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CONSTRUCTION PLANS
 CURRENT AS OF: 10/11
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 FILE NO.: 6969.00 Y-
 SHEET 53 OF 70

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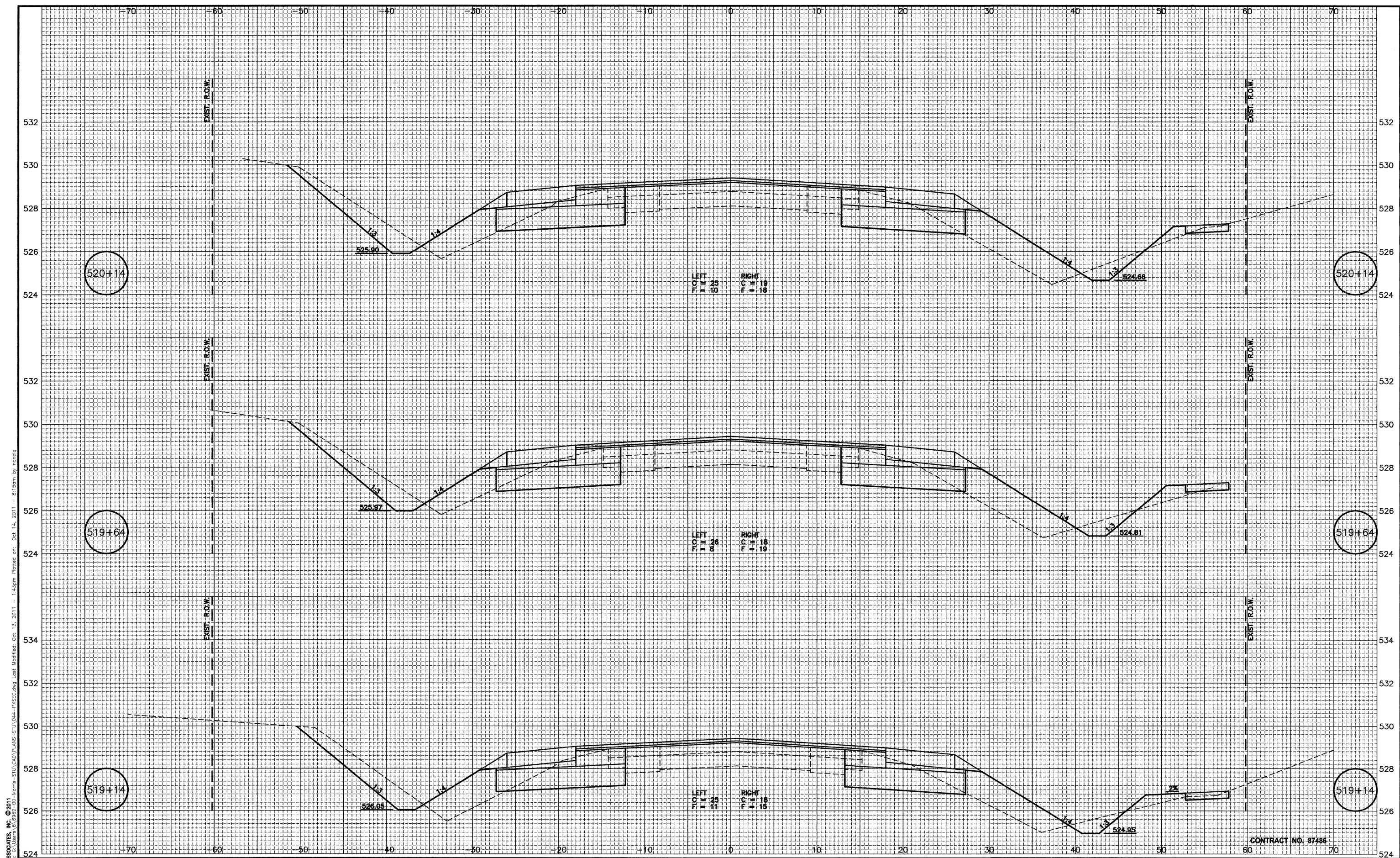
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 CITY OF MORRIS
 GRUNDY COUNTY

CROSS SECTION
 US 6

CONSTRUCTION PLANS
 CURRENT AS OF: 10/11
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 FILE NO.: 6969.00 Y-
 SHEET 54 OF 70



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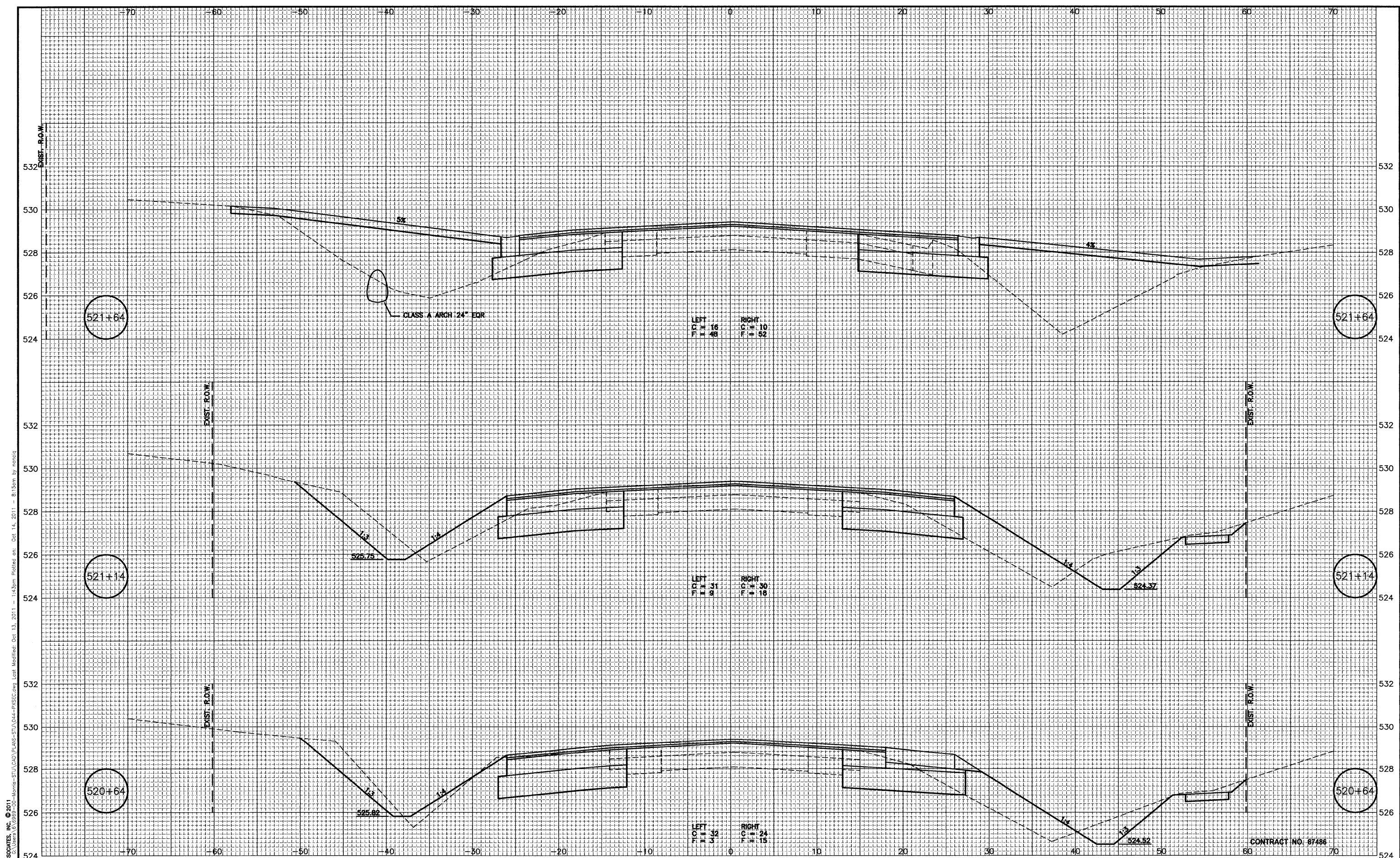
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 GRUNDY COUNTY

CROSS SECTION
 US 6

CONSTRUCTION PLANS
 CURRENT AS OF: 10/11
 SCALE: AS NOTED
 FILE NO.: 6969.00 Y-

SHEET 55
 OF 70



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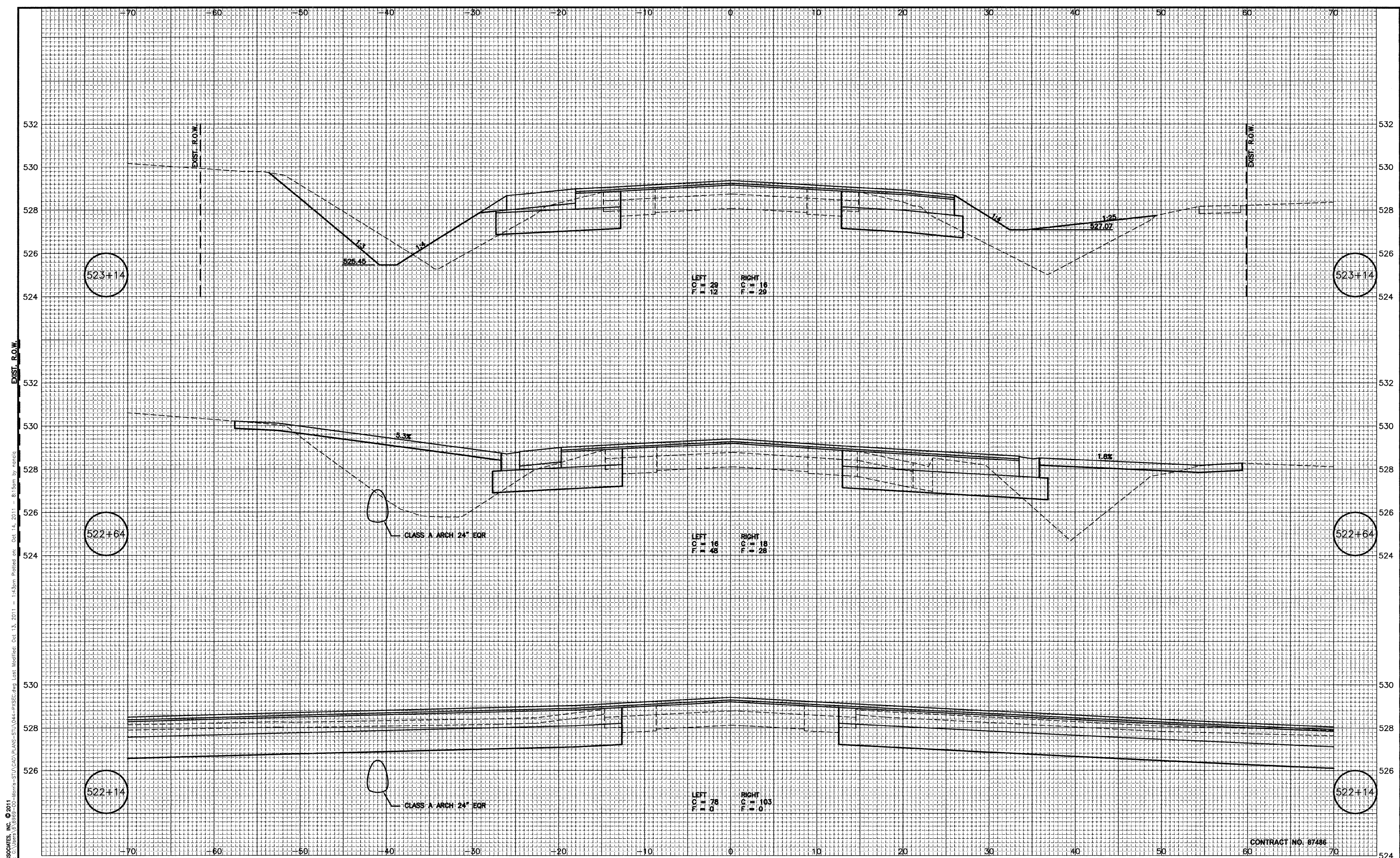
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 GRUNDY COUNTY

CROSS SECTION
 US 6

CONSTRUCTION PLANS
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 SCALE: AS NOTED
 FILE NO.: 6969.00 Y-
 SHEET 56
 OF 70

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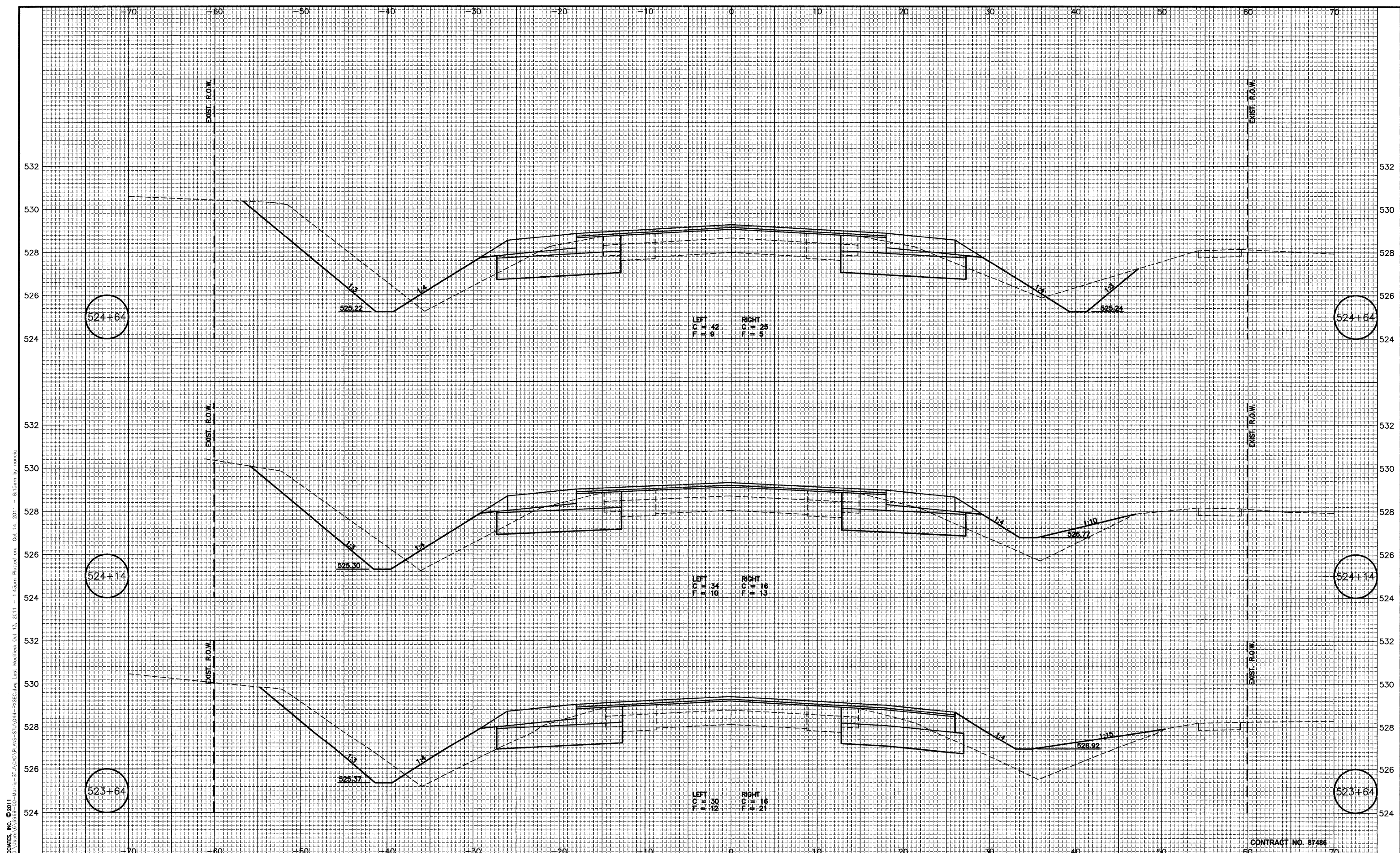
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 CITY OF MORRIS
 GRUNDY COUNTY

CROSS SECTION
 US 6

CONSTRUCTION PLANS
 CURRENT AS OF: 10/11
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 FILE NO.: 6969.00 Y-
 SHEET 57
 OF 70



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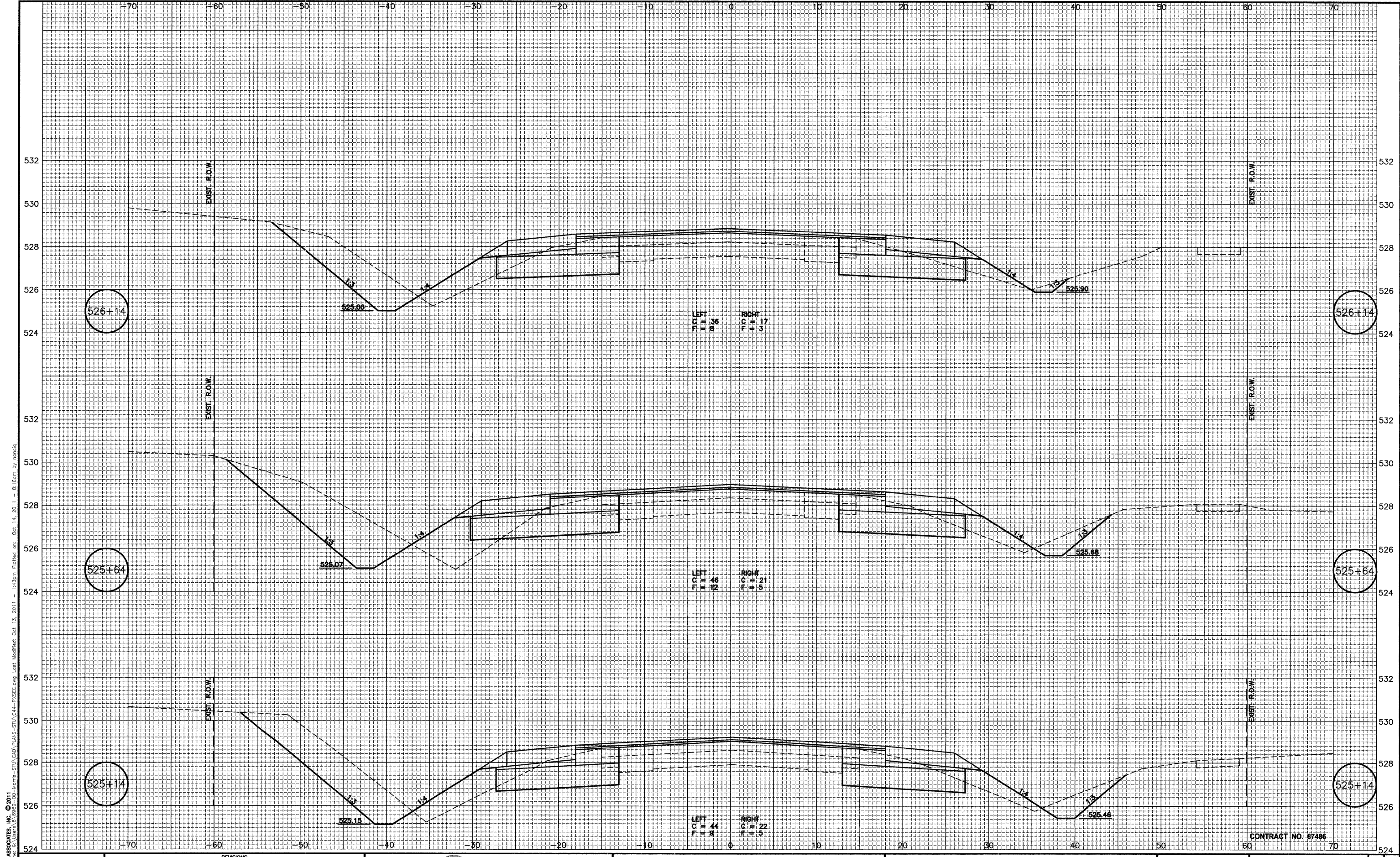

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 GRUNDY COUNTY

CROSS SECTION
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CONSTRUCTION PLANS
 CURRENT AS OF: 10/11
 SCALE: AS NOTED
 FILE NO.: 6969.00 Y-

SHEET 58
OF 70



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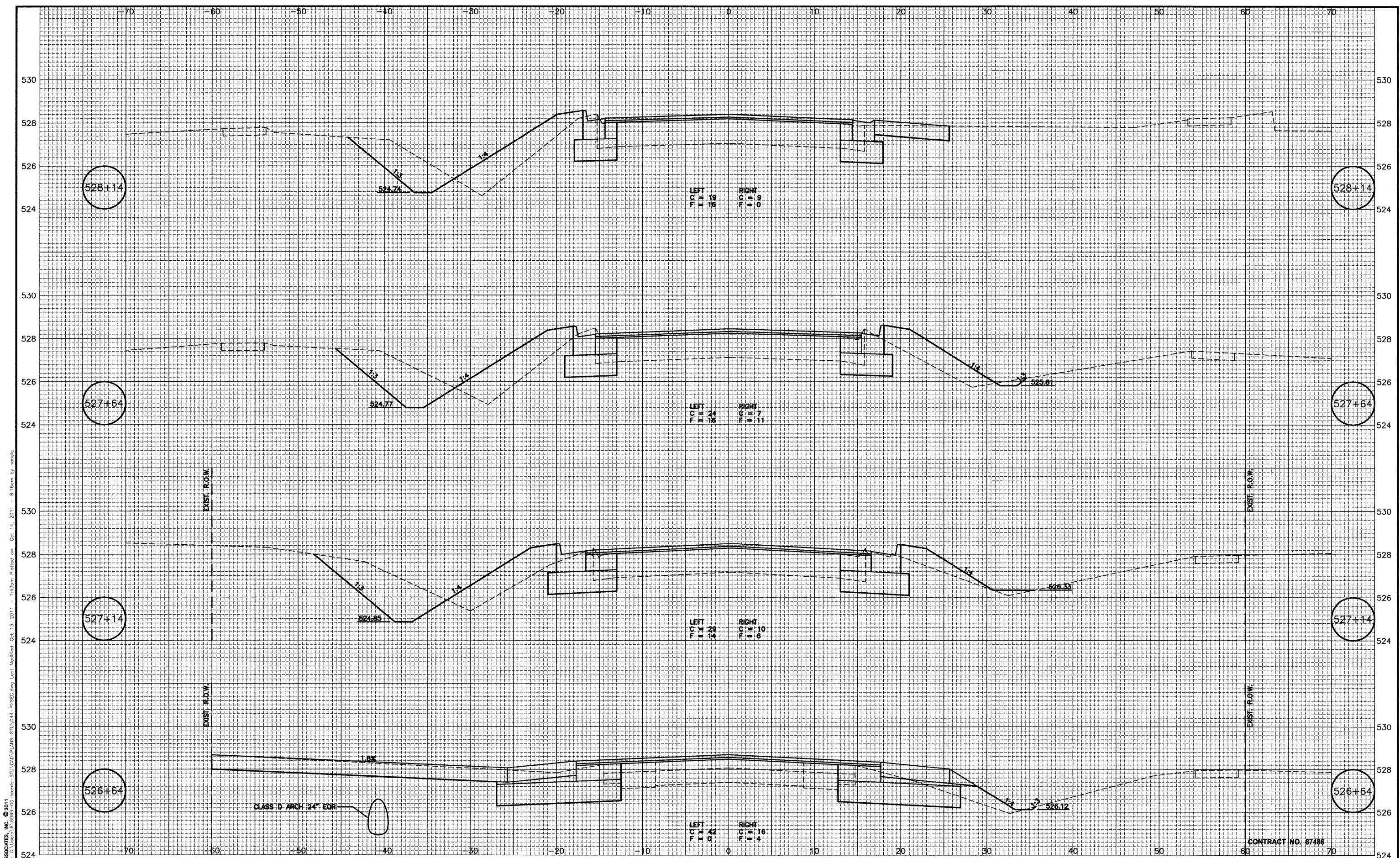
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CROSS SECTION
 US 6

**CONSTRUCTION
 PLANS**

CURRENT AS OF: 10/11	SHEET 59
SCALE: AS NOTED	OF 70
FILE NO.: 6969.00 Y-	

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CONTRACT NO. 07486

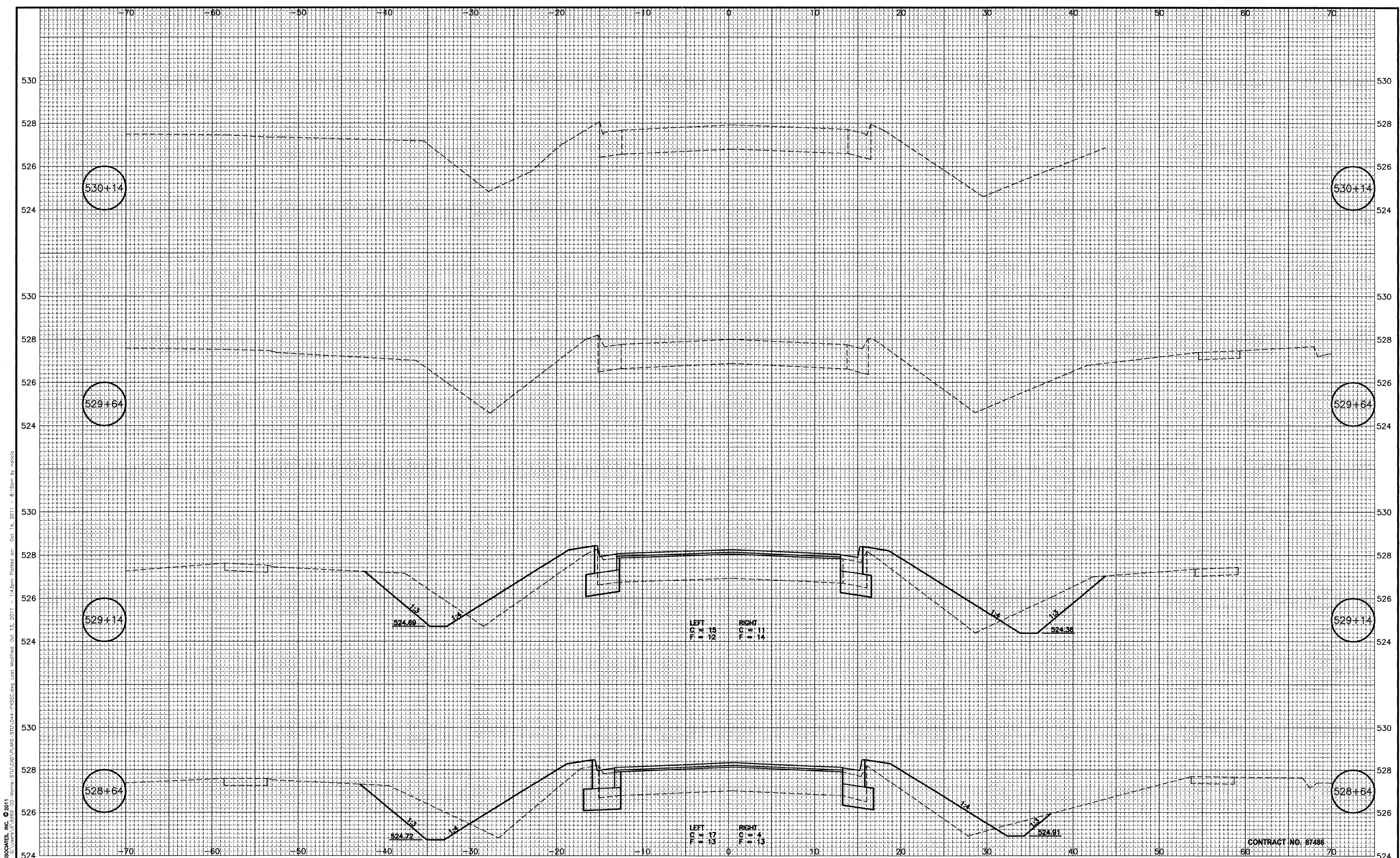
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 SECTION 10-00083-00-TL
 CITY OF MORRIS
 GRUNDY COUNTY

CROSS SECTION
 US 6

CONSTRUCTION PLANS
 CURRENT AS OF: 10/11
 SCALE: AS NOTED
 SHEET 60
 FILE NO.: 6969.00 Y- OF 70



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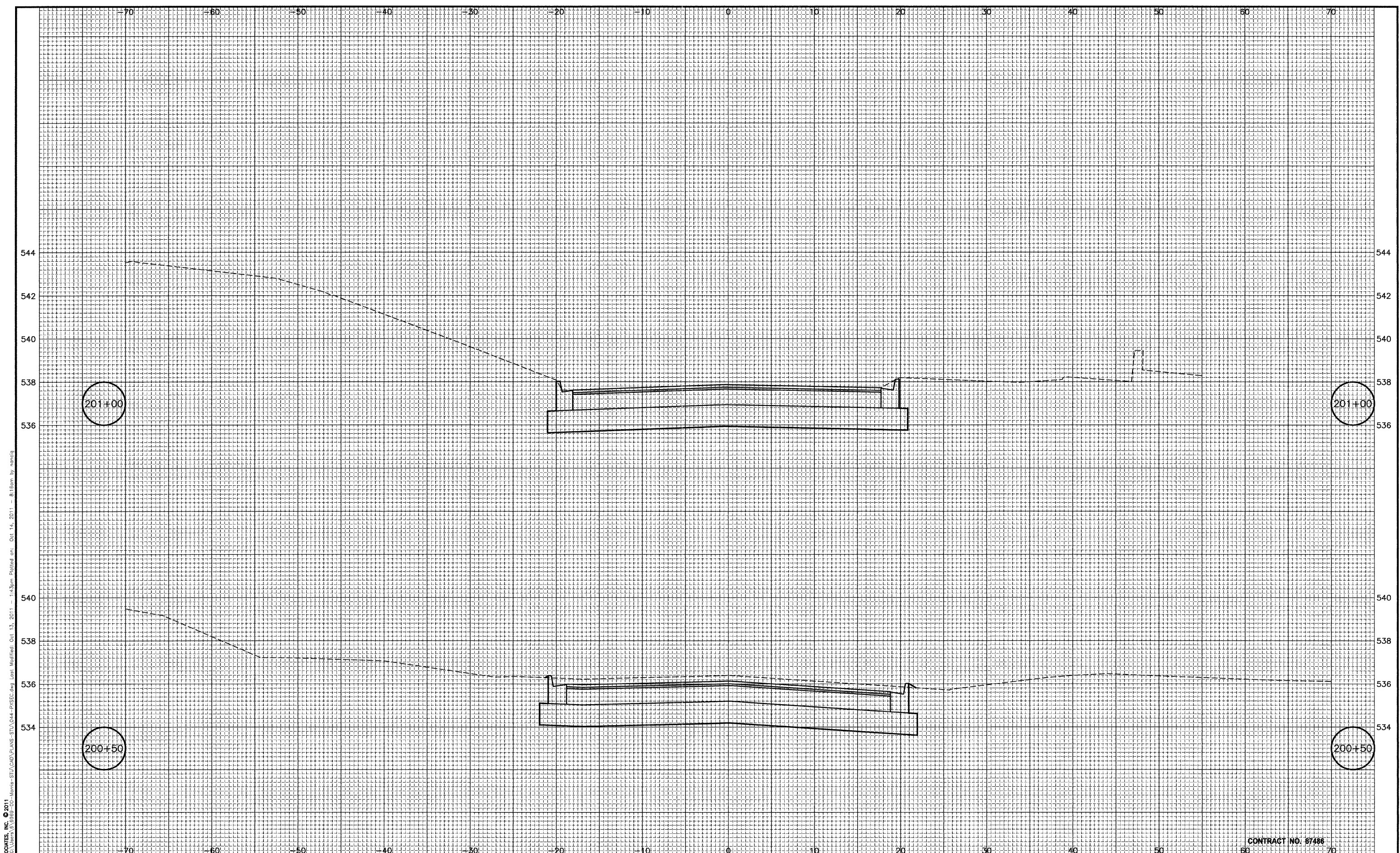
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 SECTION 10-00083-00-TL
 CITY OF MORRIS
 GRUNDY COUNTY

CROSS SECTION
 US 6

CONSTRUCTION PLANS
 CURRENT AS OF: 10/11
 SCALE: AS NOTED
 FILE NO.: 6969.00 Y-
 SHEET 61 OF 70



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 Drawing Name: C:\Users\A\1089-00_Morris-STU\CAD\PLANS-STU\044-PYSEC.dwg Last Modified: Oct 13, 2011 1:43pm Plotted on: Oct 14, 2011 8:18am by nmc1q

CONTRACT NO. 87486

DRAWN BY: CHAMS		REVISIONS	
LEVEL	BY	DATE	DESCRIPTION
CHECKED BY: JKC			
DATE: 10/11			

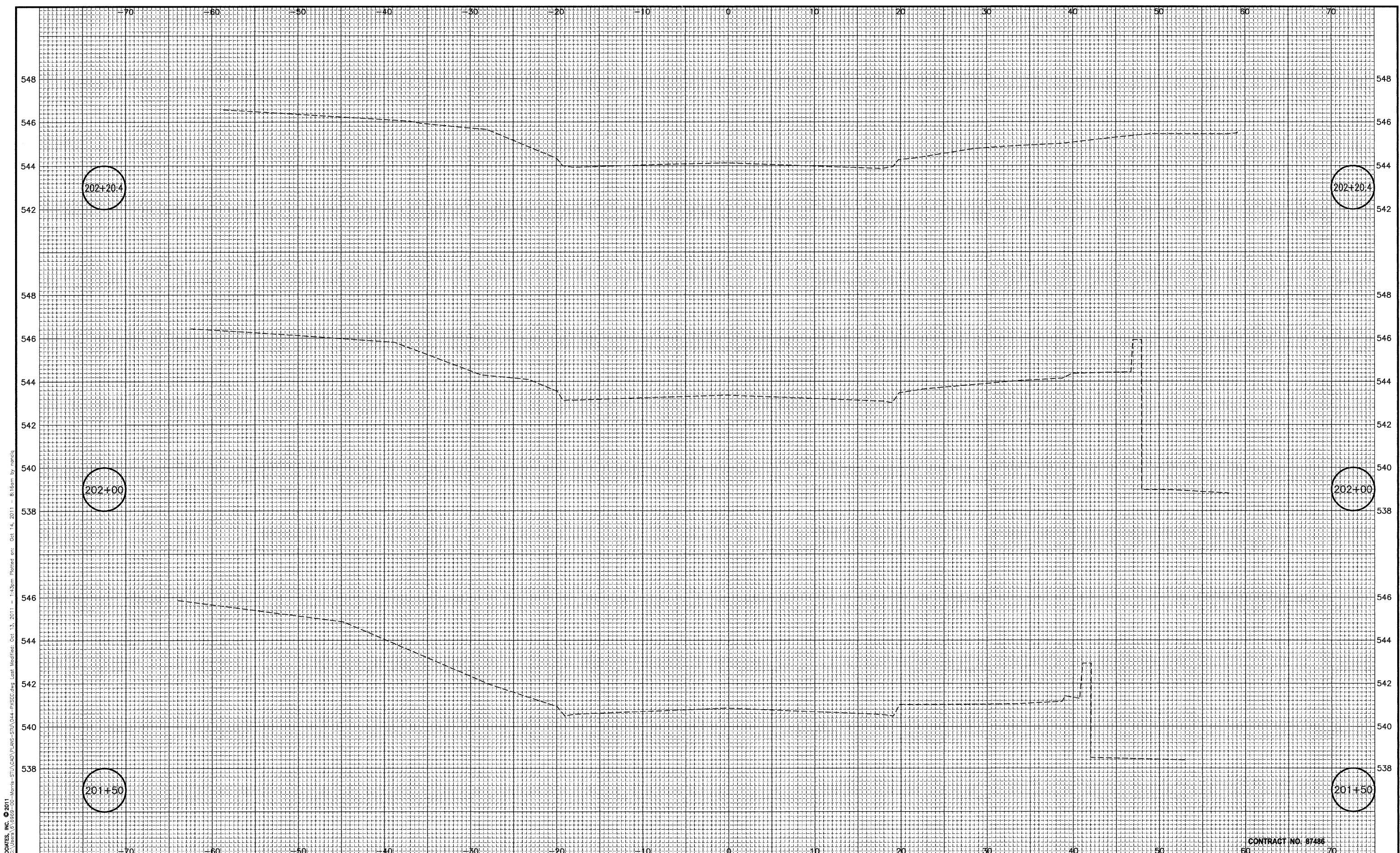
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FAU 5952 (US 6)
 SECTION 10-00083-00-TL
 CITY OF MORRIS
 GRUNDY COUNTY

CROSS SECTION
 EDGEWATER DRIVE

**CONSTRUCTION
 PLANS**

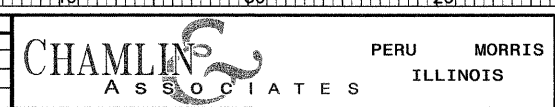
CURRENT AS OF: 10/11	
SCALE: AS NOTED	SHEET 62
FILE NO.: 6969.00 Y-	OF 70



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CONTRACT NO. 87486

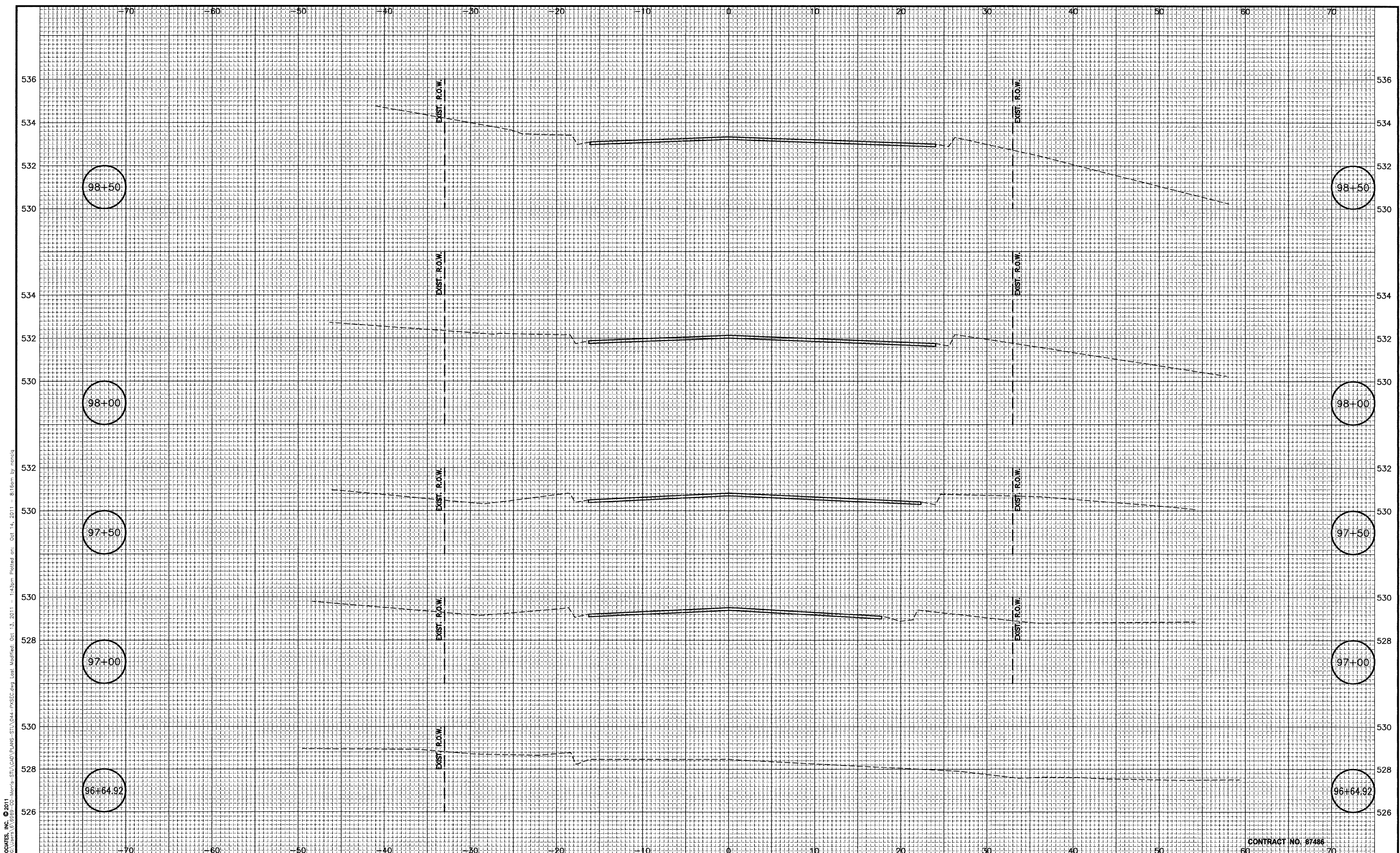
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DATE: 10/11				



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 SECTION 10-00083-00-TL
 CITY OF MORRIS
 GRUNDY COUNTY

CROSS SECTION
 EDGEWATER DRIVE

CONSTRUCTION PLANS	CURRENT AS OF: 10/11	
	SCALE: AS NOTED	SHEET 63
	FILE NO.: 6969.00 Y-	OF 70



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 Drawing Name: C:\Users\j\OneDrive\Documents\10-00083-00-TL\10-00083-00-TL-01.dwg
 Plot Date: Oct 13, 2011 14:25pm
 Plot Size: 8.5x11 in

CONTRACT NO. 97486

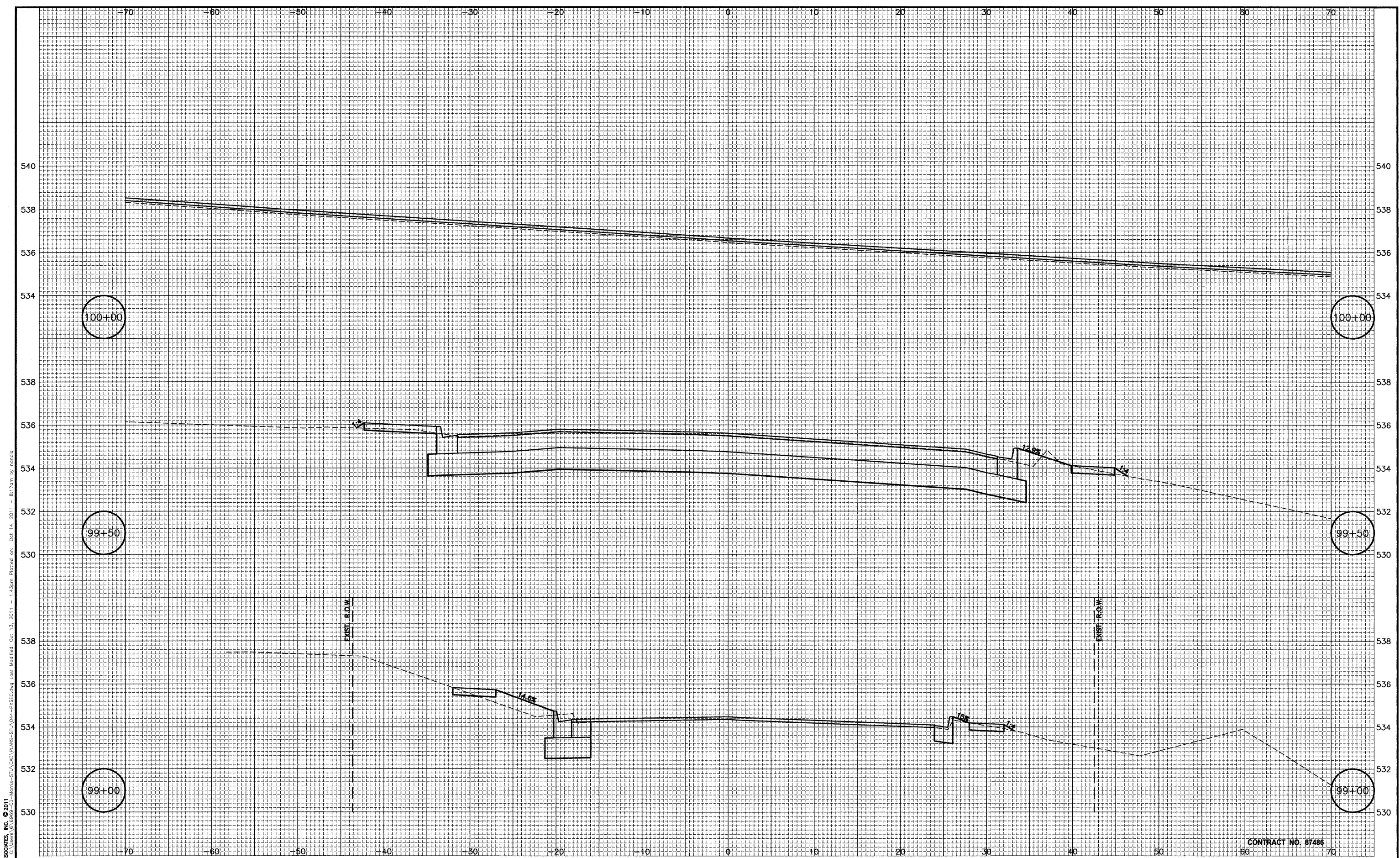
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CHECKED BY: JKC	LEVEL	BY	DATE
DATE: 10/11			


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 CITY OF MORRIS
 GRUNDY COUNTY

CROSS SECTION
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CONSTRUCTION PLANS
 CURRENT AS OF: 10/11
 SCALE: AS NOTED
 SHEET 64 OF 70
 FILE NO.: 6969.00 Y-



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 Drawing Name: C:\Users\jchamlin\Documents\Projects\10-00083-00-TL\10-00083-00-TL-01.dwg
 Date: 10/11
 Plot Date: 10/11
 Plot Size: 11x17
 Plot Scale: 1"=10'-0"

CONTRACT NO. 87486

DRAWN BY: CHAMS	REVISIONS			
CHECKED BY: JKC	LEVEL	BY	DATE	DESCRIPTION
DATE: 10/11				

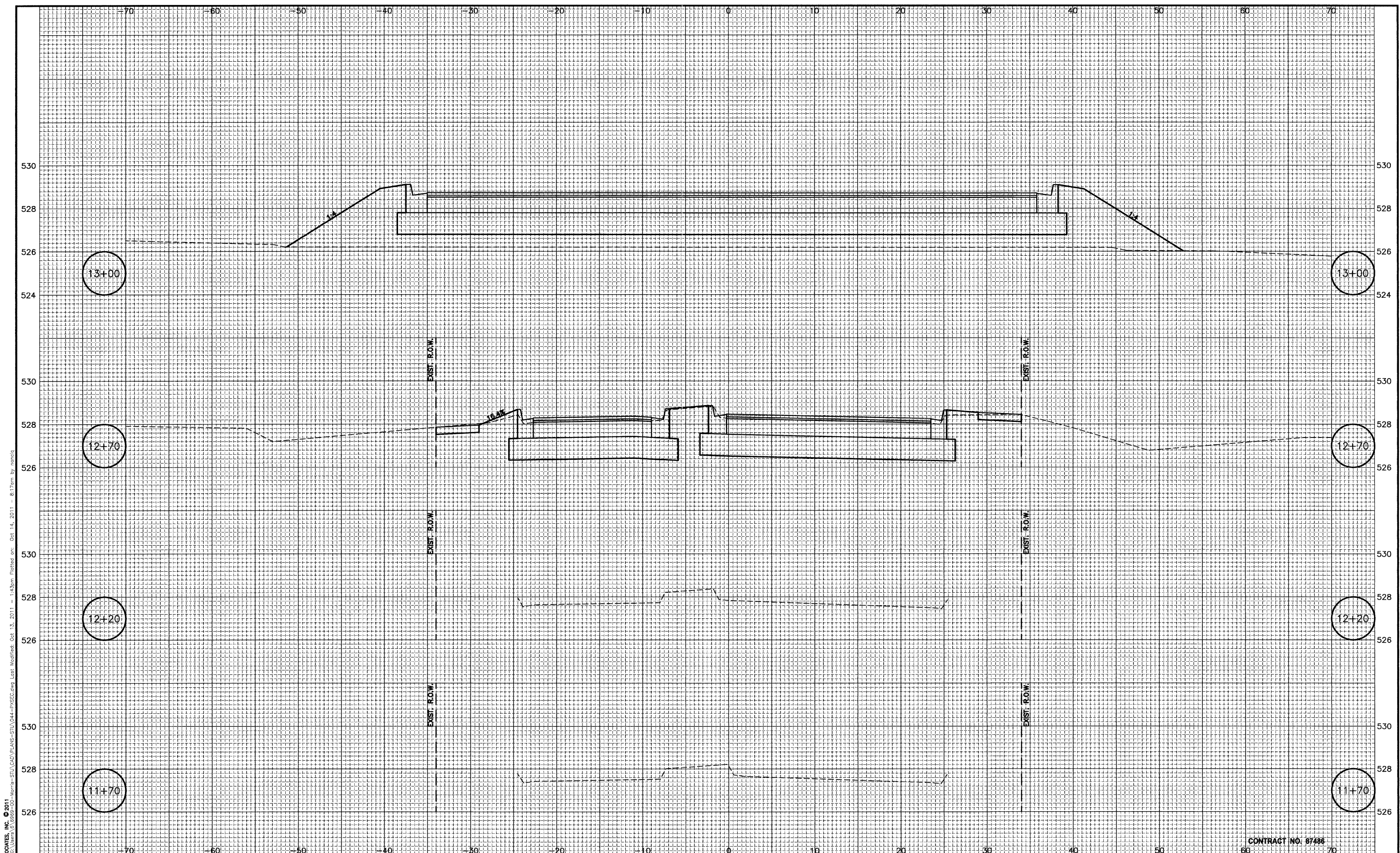


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 CITY OF MORRIS
 GRUNDY COUNTY

CROSS SECTION
 EDGEWATER DRIVE

CONSTRUCTION
 PLANS

CURRENT AS OF: 10/11	
SCALE: AS NOTED	SHEET 65
FILE NO.: 6969.00 Y-	OF 70



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 Drawing Name: C:\Users\jchamblin\Documents\10-00083-00-TL\10-00083-00-TL-01.dwg
 Plot Date: Oct 13, 2011 8:17:00 AM
 Plot Size: 14.50 x 11.50
 Plot Scale: 1:1
 Plotter: HP DesignJet 5000

CONTRACT NO. 87486

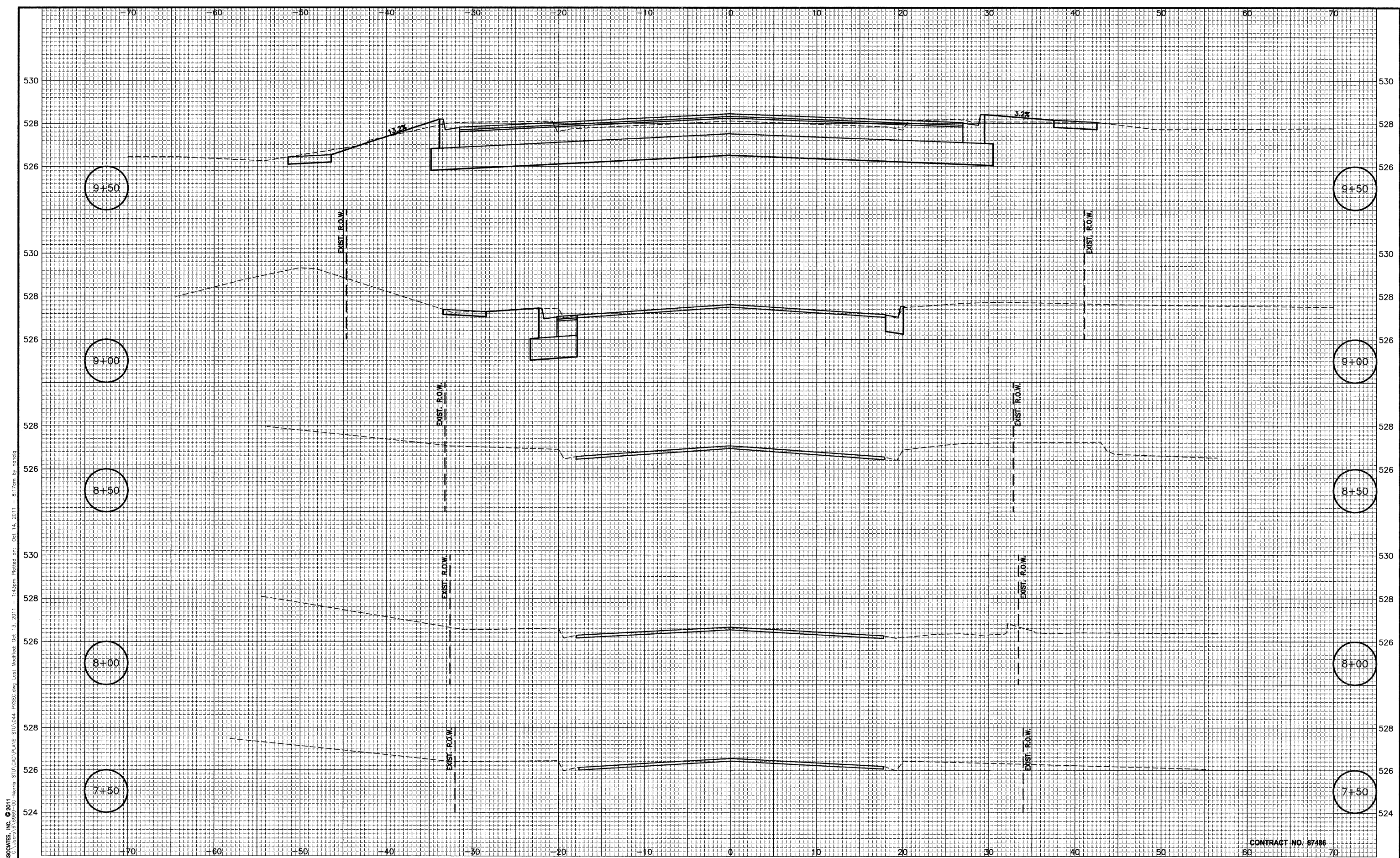
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CHECKED BY: JKC	LEVEL	BY	DATE
DATE: 10/11			


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 SECTION 10-00083-00-TL
 CITY OF MORRIS
 GRUNDY COUNTY

CROSS SECTION
 WASHBURN DRIVE

CONSTRUCTION PLANS
 CURRENT AS OF: 10/11
 SCALE: AS NOTED
 FILE NO.: 6969.00 Y-
 SHEET 66 OF 70



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CONTRACT NO: 87486

DRAWN BY: CHAMS	REVISIONS		
CHECKED BY: JKC	LEVEL	BY	DATE
DATE: 10/11			

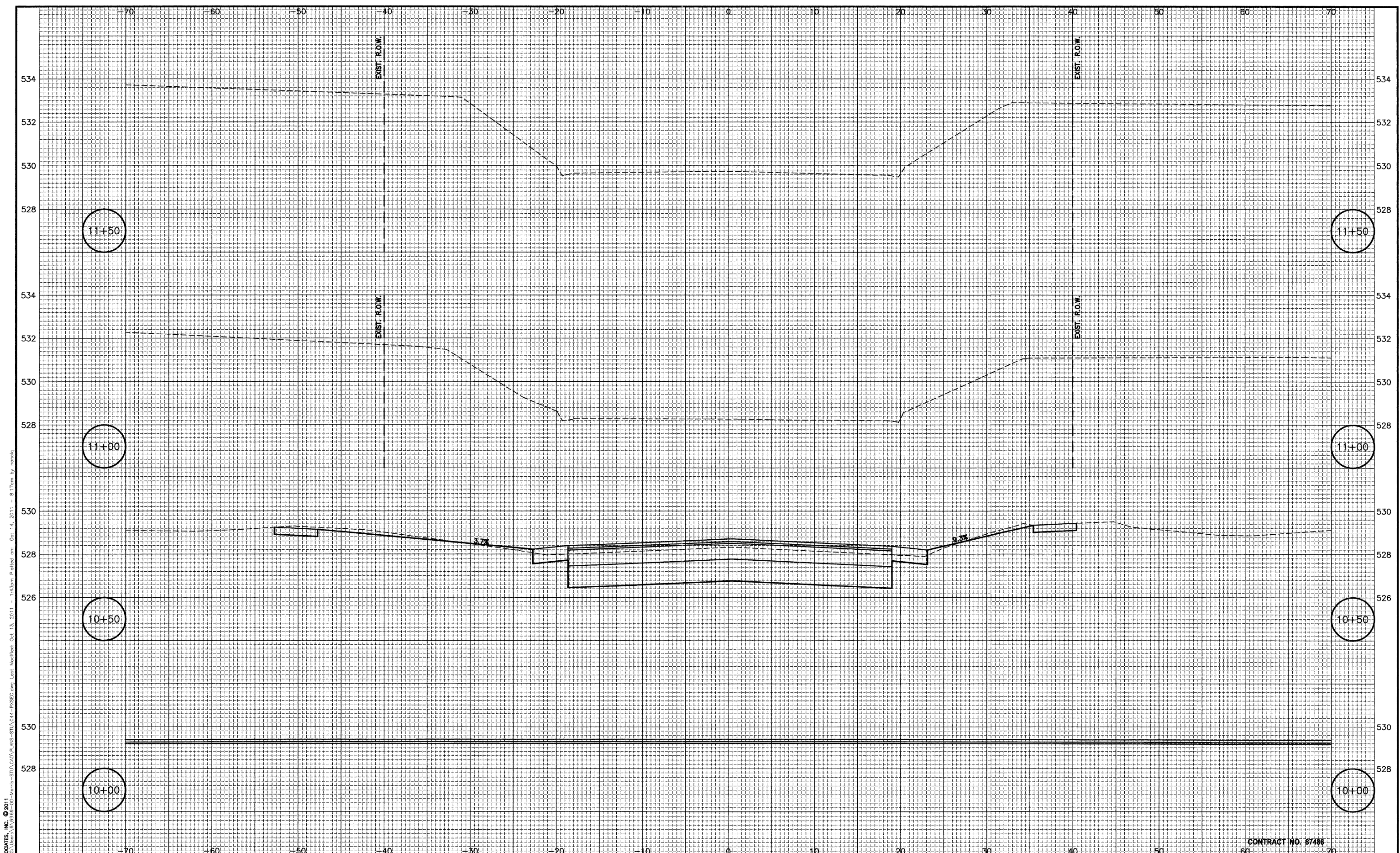

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 CITY OF MORRIS
 GRUNDY COUNTY

CROSS SECTION
 LAKEWOOD DRIVE

CONSTRUCTION PLANS
 CURRENT AS OF: 10/11
 SCALE: AS NOTED
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SHEET 68
OF 70



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 Drawing Name: G:\Morris\10-00083-00-TL\10-00083-00-TL-01-01-01.dwg
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CONTRACT NO. 67486

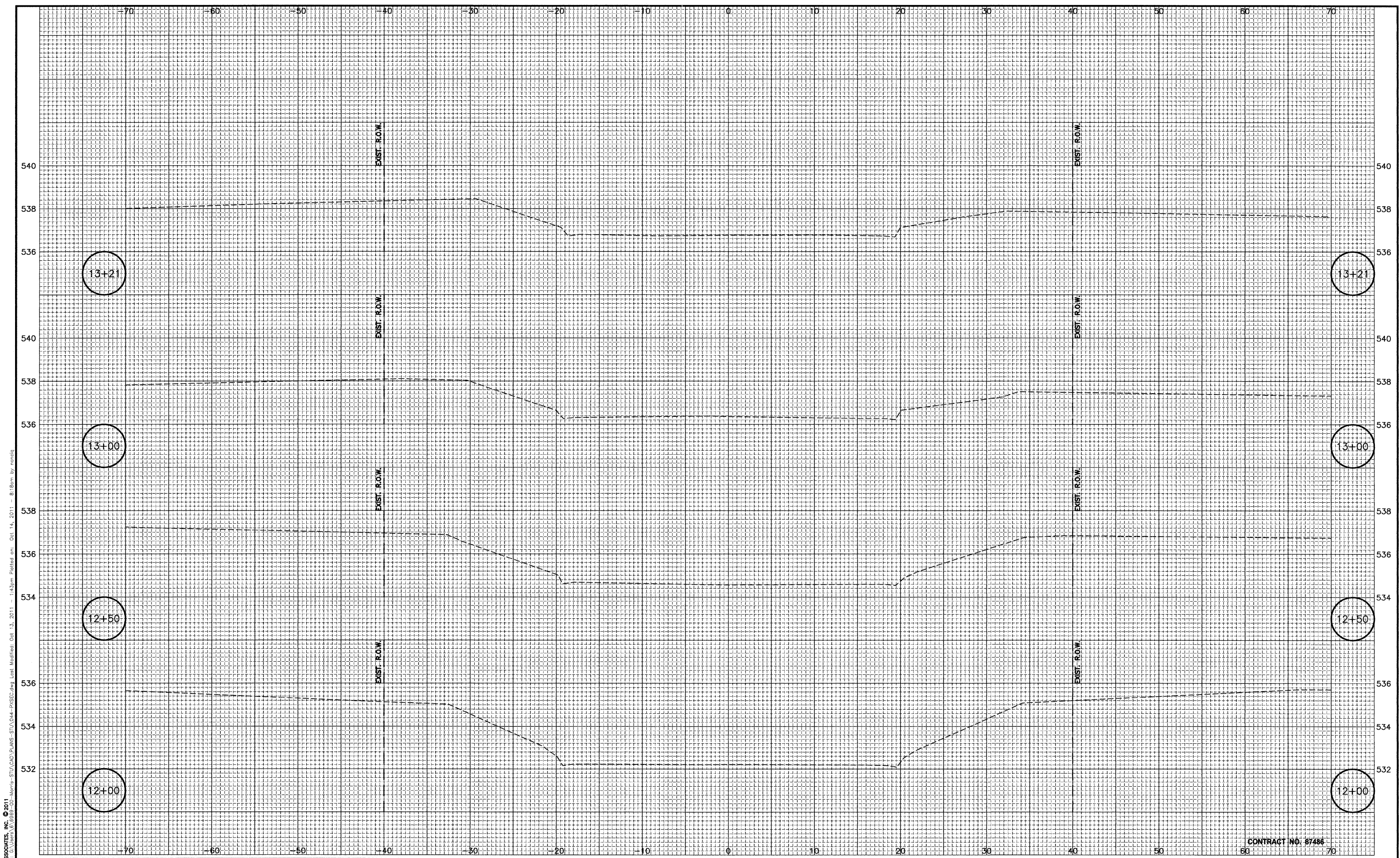
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CHECKED BY: JKC	LEVEL	BY	DATE
DATE: 10/11			



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 CITY OF MORRIS
 GRUNDY COUNTY

CROSS SECTION
 MICHAEL DRIVE

CONSTRUCTION PLANS	CURRENT AS OF: 10/11	
	SCALE: AS NOTED	SHEET 69
	FILE NO.: 6969.00 Y-	OF 70



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 Drawing Name: G:\Users\jchamlin\Documents\Projects\10-00083-TL\10-00083-TL-01.dwg
 Drawing Date: 10/11
 Drawing Scale: 1"=40'-0"
 Drawing Title: CONSTRUCTION PLANS
 Drawing Author: JKC
 Drawing Checker: JKC
 Drawing Date: 10/11

DRAWN BY: CHAMS	REVISIONS		
CHECKED BY: JKC	LEVEL	BY	DATE
DATE: 10/11			

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 GRUNDY COUNTY

CROSS SECTION
 MICHAEL DRIVE

CONSTRUCTION PLANS

CONTRACT NO: 67486	CURRENT AS OF: 10/11
SCALE: AS NOTED	SHEET 70
FILE NO.: 6969.00 Y-	OF 70