

SUMMARY OF QUANTITIES			TOTAL QUANTITY	CONSTRUCTION TYPE CODE	
CODE NO.	DESCRIPTION	UNIT		ROADWAY 1000-2A	BRIDGE X081-2A
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	48	48	
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	60	60	
20101000	TEMPORARY FENCE	FOOT	150	150	
20200100	EARTH EXCAVATION	CU YD	2,835	2,835	
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	1,313	1,313	
20300100	CHANNEL EXCAVATION	CU YD	982	982	
20400800	FURNISHED EXCAVATION	CU YD	1,975	1,975	
20700220	POROUS GRANULAR EMBANKMENT	CU YD	20	20	
X2070304	POROUS GRANULAR EMBANKMENT, SPECIAL	CU YD	160		160
20800150	TRENCH BACKFILL	CU YD	65	65	
21101625	TOPSOIL FURNISH AND PLACE, 6"	SQ YD	7,400	7,400	
25000210	SEEDING, CLASS 2A	ACRE	0.5	0.5	
25000310	SEEDING, CLASS 4	ACRE	1.0	1.0	
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	140	140	
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	140	140	
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	140	140	
25100635	HEAVY DUTY EROSION CONTROL BLANKET	SQ YD	6,900	6,900	
28000200	EARTH EXCAVATION FOR EROSION CONTROL	CU YD	30	30	
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	920	920	
28000305	TEMPORARY DITCH CHECKS	FOOT	100	100	
28000315	AGGREGATE DITCH CHECKS	TON	120	120	
28000400	PERIMETER EROSION BARRIER	FOOT	1,620	1,620	
28000500	INLET AND PIPE PROTECTION	EACH	2	2	
28000510	INLET FILTERS	EACH	4	4	
28001000	AGGREGATE (EROSION CONTROL)	TON	15	15	
28100105	STONE RIPRAP, CLASS A3	SQ YD	15	15	
28100107	STONE RIPRAP, CLASS A4	SQ YD	857		857
28200200	FILTER FABRIC	SQ YD	872	15	857
28400100	GABIONS	CU YD	27	27	
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	70	70	
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	2,620	2,620	
40600300	AGGREGATE (PRIME COAT)	TON	10	10	
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	280	280	
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	20	20	
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	10	10	
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	180	180	
42001300	PROTECTIVE COAT	SQ YD	50	50	
42001430	BRIDGE APPROACH PAVEMENT CONNECTOR (FLEXIBLE)	SQ YD	890	890	
44000100	PAVEMENT REMOVAL	SQ YD	1,960	1,960	
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SQ YD	480	480	
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	1	1	
48203021	HOT-MIX ASPHALT SHOULDERS, 6"	SQ YD	810	810	
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1		1
50105220	PIPE CULVERT REMOVAL	FOOT	130	130	
50200100	STRUCTURE EXCAVATION	CU YD	216		216
50300225	CONCRETE STRUCTURES	CU YD	73.3		73.3
50300255	CONCRETE SUPERSTRUCTURE	CU YD	276.8		276.8
50300260	BRIDGE DECK GROOVING	SQ YD	642		642
50300300	PROTECTIVE COAT	SQ YD	743		743
50401005	FURNISHING AND ERECTING PRECAST PRESTRESSED CONCRETE T-BEAMS, 48 IN.	FOOT	631.5		631.5
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	67,280		67,280
50800515	BAR SPLICERS	EACH	88		88
* Z0007124	STEEL RAILING (SPECIAL)	FOOT	231		231
51200958	FURNISHING METAL SHELL PILES 14" X 0.250"	FOOT	1,079		1,079
51202305	DRIVING PILES	FOOT	1,079		1,079
51203200	TEST PILE METAL SHELLS	EACH	2		2
51500100	NAME PLATES	EACH	1		1

SUMMARY OF QUANTITIES			TOTAL QUANTITY	CONSTRUCTION TYPE CODE	
CODE NO.	DESCRIPTION	UNIT		ROADWAY 1000-2A	BRIDGE X081-2A
542A0223	PIPE CULVERTS, CLASS A, TYPE 1 18"	FOOT	78	78	
542A5479	PIPE CULVERTS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 24"	FOOT	26	26	
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	3	3	
54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	1	1	
54214509	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, EQUIVALENT ROUND-SIZE 24"	EACH	2	2	
542C0223	PIPE CULVERTS, CLASS C, TYPE 1 18"	FOOT	63	63	
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	123	123	
59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	20	20	
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	114		114
Z0046304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	178		178
60208210	CATCH BASINS, TYPE C, TYPE 20 FRAME AND GRATE	EACH	4	4	
60240301	INLETS, TYPE B, TYPE 8 GRATE	EACH	1	1	
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	175	175	
* 63000001	STEEL PLATE BEAM GUARD RAIL, TYPE A, 6 FOOT POSTS	FOOT	288	288	
* 63000003	STEEL PLATE BEAM GUARD RAIL, TYPE A, 9 FOOT POSTS	FOOT	25	25	
* 63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	4	4	
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4	4	
63200310	GUARDRAIL REMOVAL	FOOT	273	273	
* 66503500	BARBED WIRE FENCE TO BE REMOVED AND RE-ERECTED	FOOT	790	790	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6	
67100100	MOBILIZATION	L SUM	1	1	
70102550	TRAFFIC CONTROL AND PROTECTION FOR TEMPORARY DETOUR	EACH	1	1	
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	12	12	
72000100	SIGN PANEL - TYPE 1	SQ FT	6	6	
72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	5	5	
72900100	METAL POST - TYPE A	FOOT	8	8	
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	1,590	1,590	
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	13	13	
* 78008210	POLYUREA PAVEMENT MARKING TYPE I - LINE 4"	FOOT	360	360	
* 78200410	GUARDRAIL MARKERS, TYPE A	EACH	16	16	
* 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	4	4	
* A2005020	TREE, GYMNOCLADUS DIOICUS (KENTUCKY COFFEETREE), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	8	8	
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	52	52	
XX005968	TURBIDITY CURTAIN	SQ YD	140	140	
XX006846	AGGREGATE FIELD ENTRANCE	SQ YD	60	60	
Z0001050	AGGREGATE SUBGRADE 12"	SQ YD	2,200	2,200	
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1	
Z0066600	STABILIZED DRIVEWAYS 8"	SQ YD	125	125	
Δ Z0076600	TRAINEES	HOUR	1,000	1,000	

* DENOTES SPECIALITY ITEM

Δ Y080

Revised 10-27-10

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PLOT DATE = 10/21/2010

DESIGNED - CLG
DRAWN - EPS
CHECKED - MJL
DATE - 6/18/2010

REVISED - 8/02/2010
REVISED - 10/21/2010
REVISED -
REVISED -

MCHENRY COUNTY DIVISION OF TRANSPORTATION

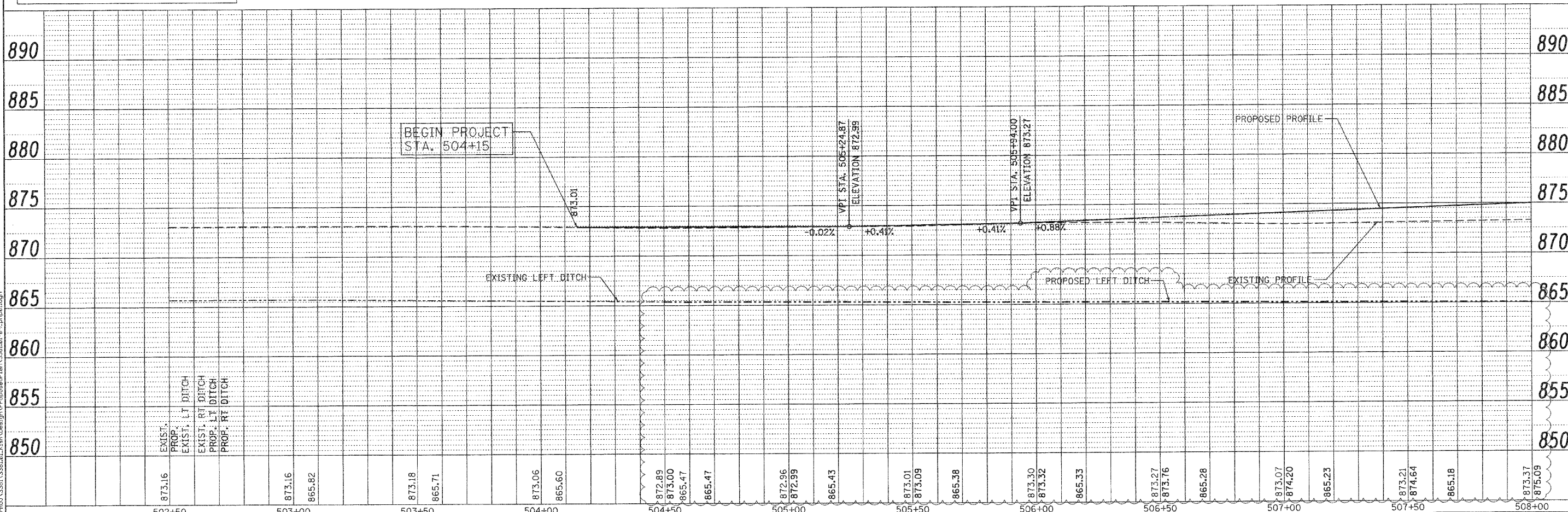
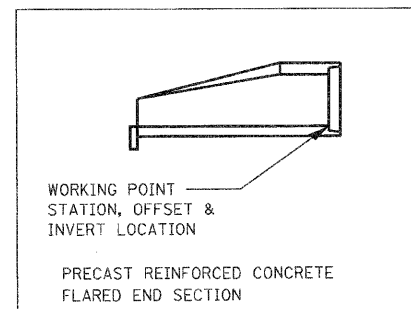
SUMMARY OF QUANTITIES

SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1233	06-00321-00-BR	McHENRY	48	4
CONTRACT NO. 63516				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

PLAN	DATE	BY
DESIGNED		
CHECKED		
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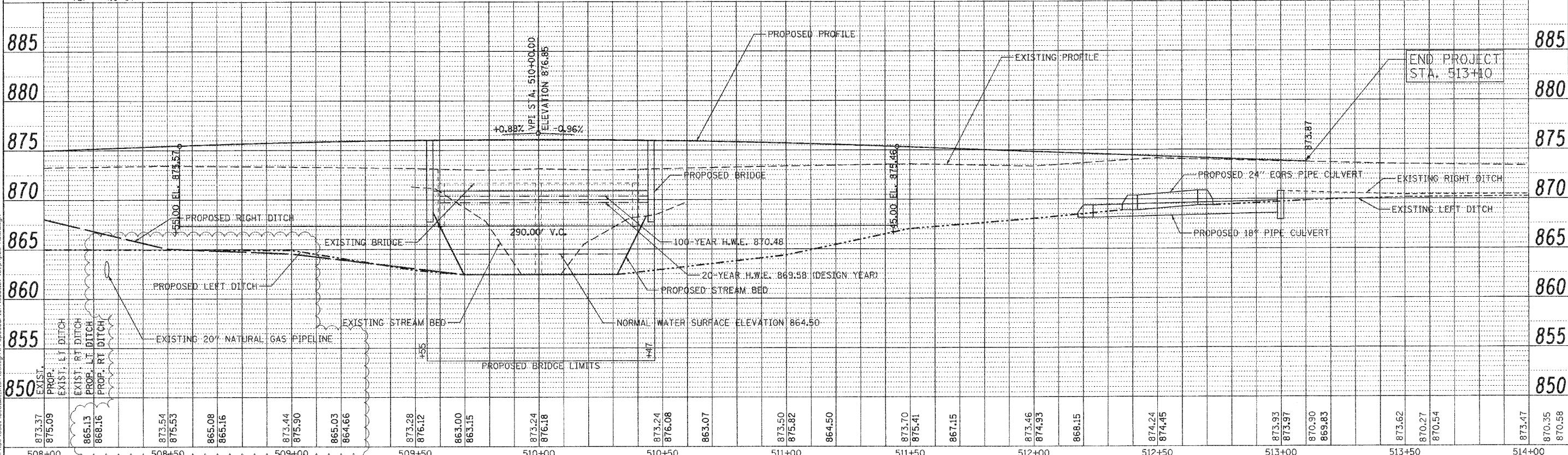
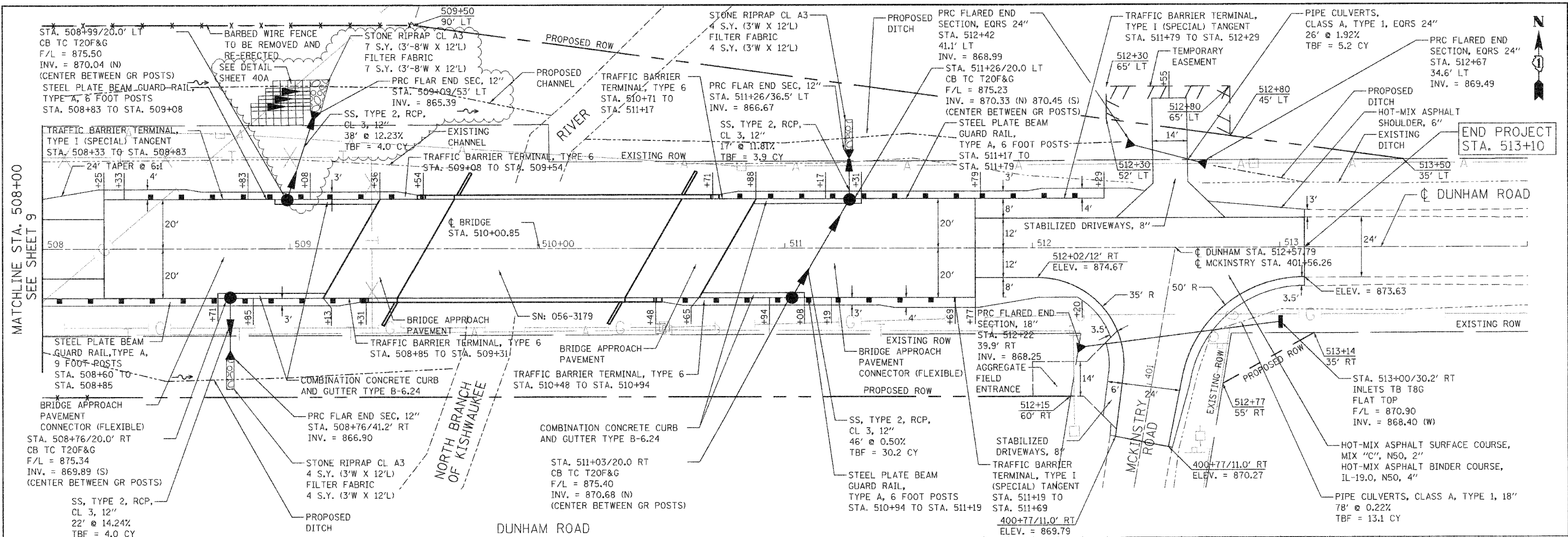
PROFILE	DATE	BY
DESIGNED		
CHECKED		
NOTED		
NO.		



Ciorba Group, Inc. CONSULTING ENGINEERS 5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656 Tel. 773.775.4005 Fax 773.775.4014		USER NAME = ogutowski DESIGNED - CLG DRAWN - EPS CHECKED - MJL DATE - 6/18/2010	REVISED - 8/02/2010 REVISED - 10/21/2010 REVISED - REVISED -	MCHENRY COUNTY DIVISION OF TRANSPORTATION	SCALE: 1" = 20' SHEET NO. OF SHEETS STA. TO STA.	F.A.S. RTE. 1233 SECTION 06-00321-00-BR COUNTY MCHENRY TOTAL SHEETS 48 SHEET NO. 9 CONTRACT NO. 63516 FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT
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PLAN	DATE	BY
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	Ciorba Group, Inc.	USER NAME = cgotowski	DESIGNED - CLG	REVISED - 8/02/2010	MCHENRY COUNTY DIVISION OF TRANSPORTATION	Revised 10-27-10 PROPOSED PLAN AND PROFILE			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	CONSULTING ENGINEERS		DRAWN - EPS	REVISED - 10/21/2010					1233	06-00321-00-BR	MCHENRY	48	10
	5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656	PLOT SCALE = 20,000.0' / IN.	CHECKED - MJL	REVISED -					CONTRACT NO. 63516				
	Tel. 773.775.4009 Fax 773.775.4014	PLOT DATE = 10/21/2010	DATE - 6/18/2010	REVISED -					SCALE: 1" = 20' SHEET NO. OF SHEETS STA. TO STA. FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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REVISD - 8/02/2010

REVISD - 10/21/2010

REVISD -

MCHENRY COUNTY DIVISION OF TRANSPORTATION

Revised 10-27-10

PROPOSED PLAN AND PROFILE

SCALE: 1" = 20'

SHEET NO. OF SHEETS STA. TO STA.

F.A.S. RTE. 1233

SECTION 06-00321-00-BR

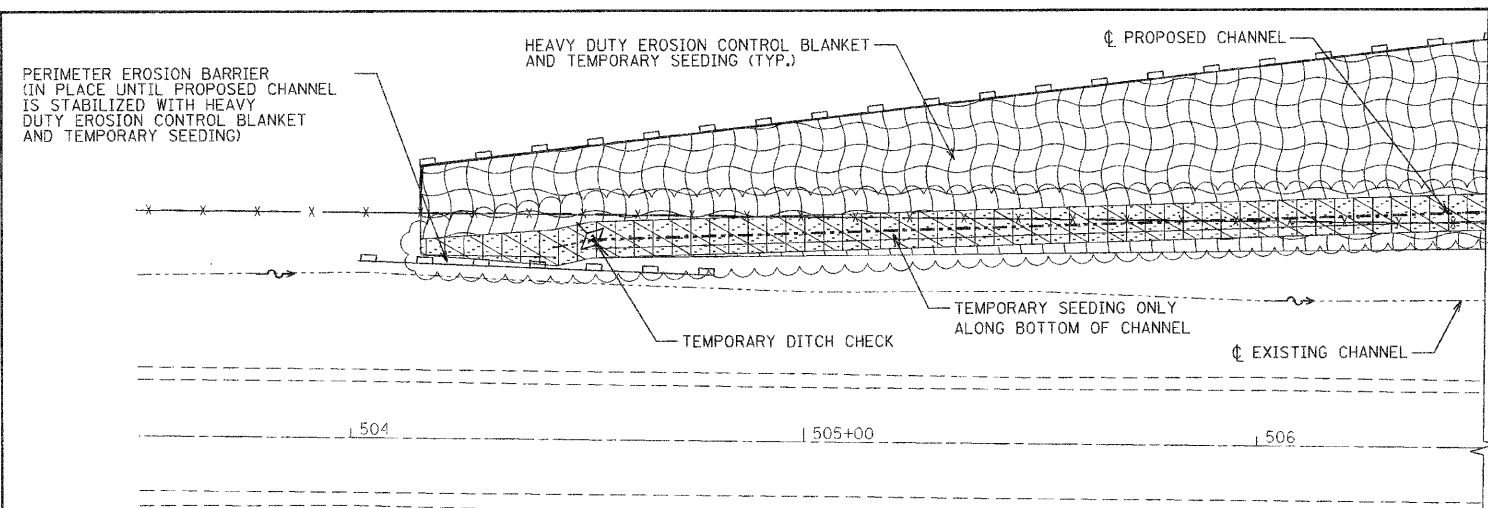
COUNTY MCHENRY

TOTAL SHEETS 48

SHEET NO. 10

CONTRACT NO. 63516

FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT



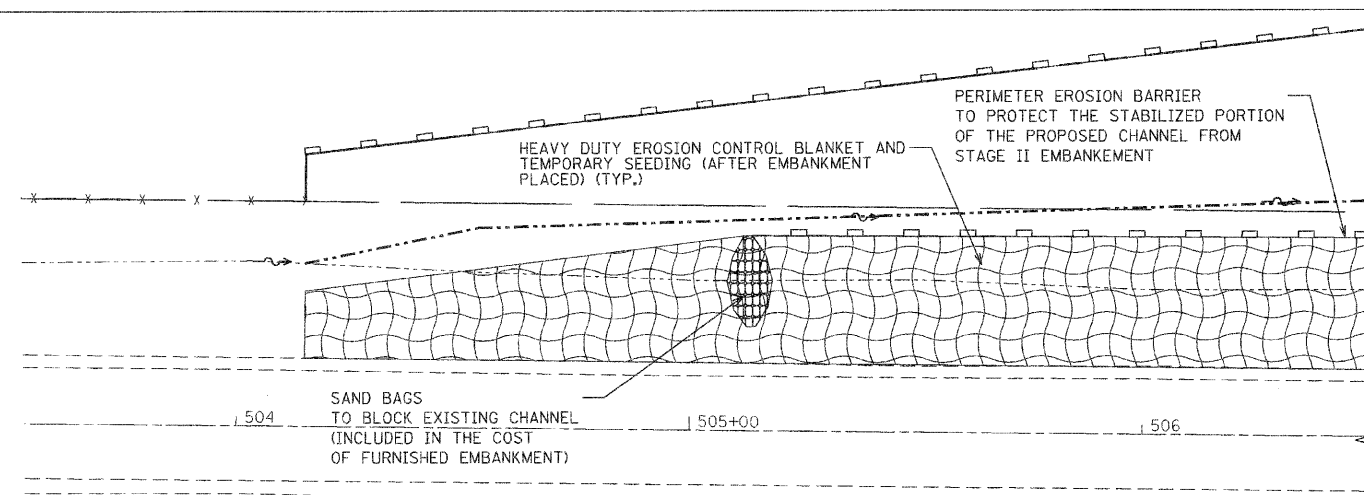
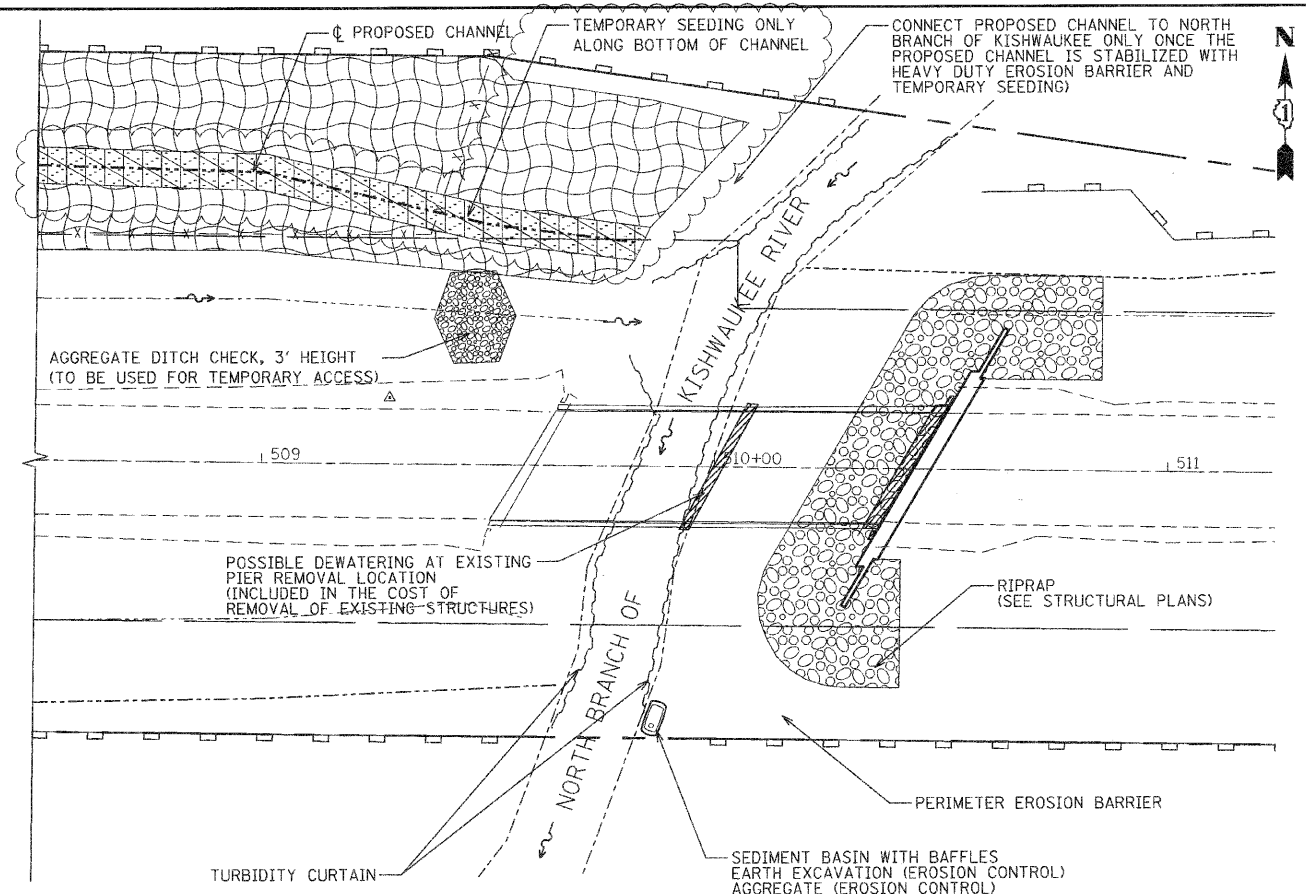
SUGGESTED STAGES OF CONSTRUCTION

STAGE I

1. INSTALL STAGE I CHANNEL EROSION CONTROL ITEMS.
2. EXCAVATE FOR PROPOSED CHANNEL ON THE NORTH SIDE OF DUNHAM ROAD WEST OF THE BRIDGE WITHOUT CONNECTING TO THE EXISTING CHANNEL TO THE WEST OR NORTH BRANCH OF KISHWAUKEE RIVER.
3. PLACE HEAVY DUTY EROSION CONTROL BLANKETS AND TEMPORARY SEEDING IN PROPOSED CHANNEL AND ON SIDE SLOPES.
4. REMOVE EXISTING PIER AND EAST ABUTMENT, INCLUDING DE-WATERING IF NECESSARY FOR PIER REMOVAL.
5. CONSTRUCT ABUTMENT, WINGWALLS, RIPRAP, GRADING AND CHANNEL EXCAVATION ON THE EAST SIDE OF THE BRIDGE.

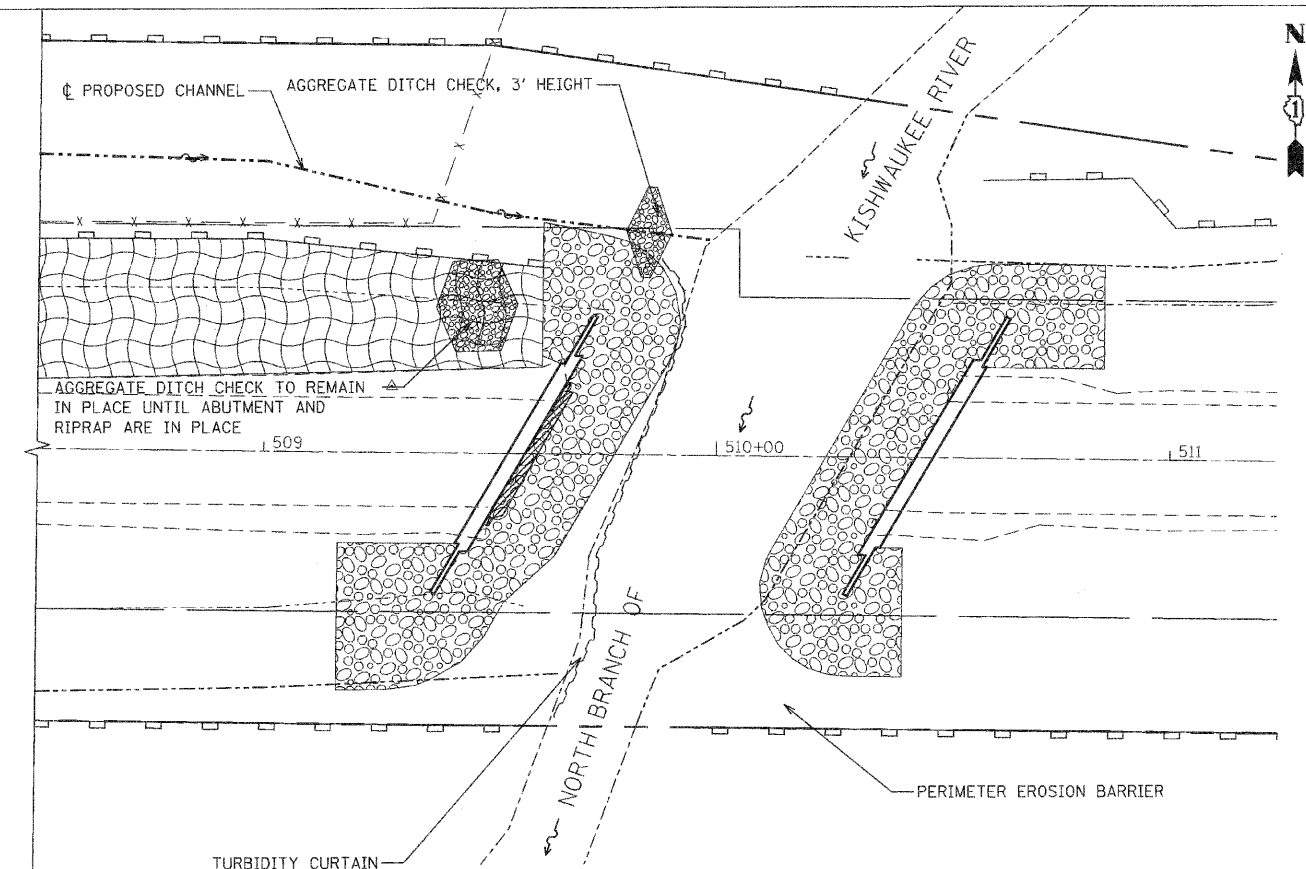
NOTES:

1. DISCHARGE FROM ANY DEWATERING SHALL BE ROUTED THROUGH AN EFFECTIVE SEDIMENT CONTROL MEASURE AND FILTERED (EG. SEDIMENT BASIN WITH A BAFFLE SYSTEM OR OTHER APPROPRIATE MEASURES)
2. WORK IN THE WATER WAY SHALL BE TIMED TO TAKE PLACE DURING LOW OR NO-FLOW CONDITIONS,
3. WORK MAY NOT BE PERFORMED IN THE WATER, EXCEPT FOR THE PLACEMENT OF THE MATERIALS NECESSARY FOR DE-WATERING OR EROSION CONTROL.
4. SEE LANDSCAPING & EROSION CONTROL PLAN FOR ADDITIONAL NOTES.



STAGE II

1. INSTALL STAGE II EROSION CONTROL ITEMS.
2. CONNECT PROPOSED CHANNEL ALONG THE NORTH SIDE OF DUNHAM ROAD TO THE EXISTING CHANNEL AND NORTH BRANCH OF KISHWAUKEE RIVER.
3. REMOVE EXISTING WEST ABUTMENT.
4. PERFORM WORK FOR ABUTMENT, WINGWALLS, RIPRAP, REMOVAL OF UNSUITABLE MATERIALS, GRADING, EMBANKMENT AND CHANNEL EXCAVATION ON THE WEST SIDE OF THE BRIDGE.
5. PLACE HEAVY DUTY EROSION CONTROL BLANKETS AND TEMPORARY SEEDING ON STAGE II EMBANKMENT FOR PROPOSED CHANNEL.
6. AGGREGATE DITCH CHECK TO REMAIN IN PLACE UNTIL SIDE SLOPES ARE STABILIZED.
7. FOLLOW THE LANDSCAPING AND EROSION CONTROL PLAN FOR EROSION CONTROL OUTSIDE OF THE CHANNEL AREAS.



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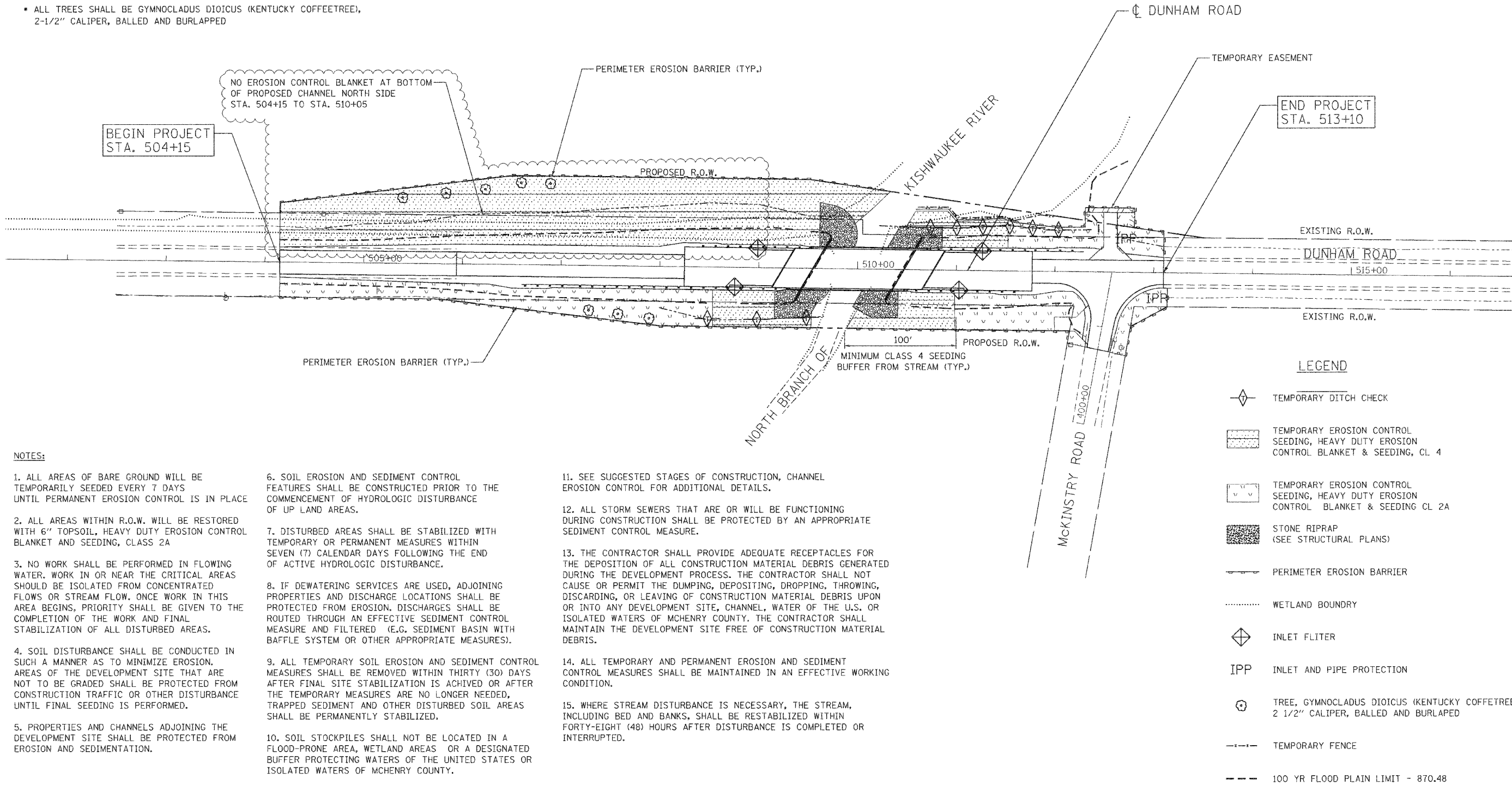
MCHENRY COUNTY DIVISION OF TRANSPORTATION

SUGGESTED STAGES OF CONSTRUCTION CHANNEL EROSION CONTROL			
SCALE: 1" = 20'	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1233	06-00321-00-BR	MCHENRY	48	11
CONTRACT NO. 63516				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

SCHEDULE OF TREES	
STATION	OFFSET
505+39	66.5' LT
505+83	71.5' LT
506+23	75.9' LT
506+59	83.0' LT
506+88	82.4' LT
507+28	45.2' RT
507+58	48.4' RT
507+90	52.5' RT

• ALL TREES SHALL BE GYMNOCLADUS DIOICUS (KENTUCKY COFFEETREE), 2-1/2" CALIPER, BALLED AND BURLAPPED



NOTES:

1. ALL AREAS OF BARE GROUND WILL BE TEMPORARILY SEEDED EVERY 7 DAYS UNTIL PERMANENT EROSION CONTROL IS IN PLACE

2. ALL AREAS WITHIN R.O.W. WILL BE RESTORED WITH 6" TOPSOIL, HEAVY DUTY EROSION CONTROL BLANKET AND SEEDING, CLASS 2A

3. NO WORK SHALL BE PERFORMED IN FLOWING WATER. WORK IN OR NEAR THE CRITICAL AREAS SHOULD BE ISOLATED FROM CONCENTRATED FLOWS OR STREAM FLOW. ONCE WORK IN THIS AREA BEGINS, PRIORITY SHALL BE GIVEN TO THE COMPLETION OF THE WORK AND FINAL STABILIZATION OF ALL DISTURBED AREAS.

4. SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. AREAS OF THE DEVELOPMENT SITE THAT ARE NOT TO BE GRADED SHALL BE PROTECTED FROM CONSTRUCTION TRAFFIC OR OTHER DISTURBANCE UNTIL FINAL SEEDING IS PERFORMED.

5. PROPERTIES AND CHANNELS ADJOINING THE DEVELOPMENT SITE SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION.

6. SOIL EROSION AND SEDIMENT CONTROL FEATURES SHALL BE CONSTRUCTED PRIOR TO THE COMMENCEMENT OF HYDROLOGIC DISTURBANCE OF UP LAND AREAS.

7. DISTURBED AREAS SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN SEVEN (7) CALENDAR DAYS FOLLOWING THE END OF ACTIVE HYDROLOGIC DISTURBANCE.

8. IF DEWATERING SERVICES ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION. DISCHARGES SHALL BE ROUTED THROUGH AN EFFECTIVE SEDIMENT CONTROL MEASURE AND FILTERED (E.G. SEDIMENT BASIN WITH BAFFLE SYSTEM OR OTHER APPROPRIATE MEASURES).

9. ALL TEMPORARY SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN THIRTY (30) DAYS AFTER FINAL SITE STABILIZATION IS ACHIVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED, TRAPPED SEDIMENT AND OTHER DISTURBED SOIL AREAS SHALL BE PERMANENTLY STABILIZED.

10. SOIL STOCKPILES SHALL NOT BE LOCATED IN A FLOOD-PRONE AREA, WETLAND AREAS OR A DESIGNATED BUFFER PROTECTING WATERS OF THE UNITED STATES OR ISOLATED WATERS OF MCHENRY COUNTY.

11. SEE SUGGESTED STAGES OF CONSTRUCTION, CHANNEL EROSION CONTROL FOR ADDITIONAL DETAILS.

12. ALL STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED BY AN APPROPRIATE SEDIMENT CONTROL MEASURE.

13. THE CONTRACTOR SHALL PROVIDE ADEQUATE RECEPTACLES FOR THE DEPOSITION OF ALL CONSTRUCTION MATERIAL DEBRIS GENERATED DURING THE DEVELOPMENT PROCESS. THE CONTRACTOR SHALL NOT CAUSE OR PERMIT THE DUMPING, DEPOSITING, DROPPING, THROWING, DISCARDING, OR LEAVING OF CONSTRUCTION MATERIAL DEBRIS UPON OR INTO ANY DEVELOPMENT SITE, CHANNEL, WATER OF THE U.S. OR ISOLATED WATERS OF MCHENRY COUNTY. THE CONTRACTOR SHALL MAINTAIN THE DEVELOPMENT SITE FREE OF CONSTRUCTION MATERIAL DEBRIS.

14. ALL TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED IN AN EFFECTIVE WORKING CONDITION.

15. WHERE STREAM DISTURBANCE IS NECESSARY, THE STREAM, INCLUDING BED AND BANKS, SHALL BE RESTABILIZED WITHIN FORTY-EIGHT (48) HOURS AFTER DISTURBANCE IS COMPLETED OR INTERRUPTED.

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PLOT DATE = 10/21/2010	DATE - 6/18/2010	REVISED -

MCHENRY COUNTY DIVISION OF TRANSPORTATION

Revised 10-27-10

LANDSCAPING & EROSION CONTROL PLAN

SCALE: 1" = 50'	SHEET NO.	OF	SHEETS	STA.	TO	STA.
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F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1233	06-00321-00-BR	McHENRY	48	13
CONTRACT NO. 63516				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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PLOT DATE = 10/21/2010

DESIGNED - CLG
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CHECKED - MJL
DATE - 6/18/2010

REVISED - 8/02/2010
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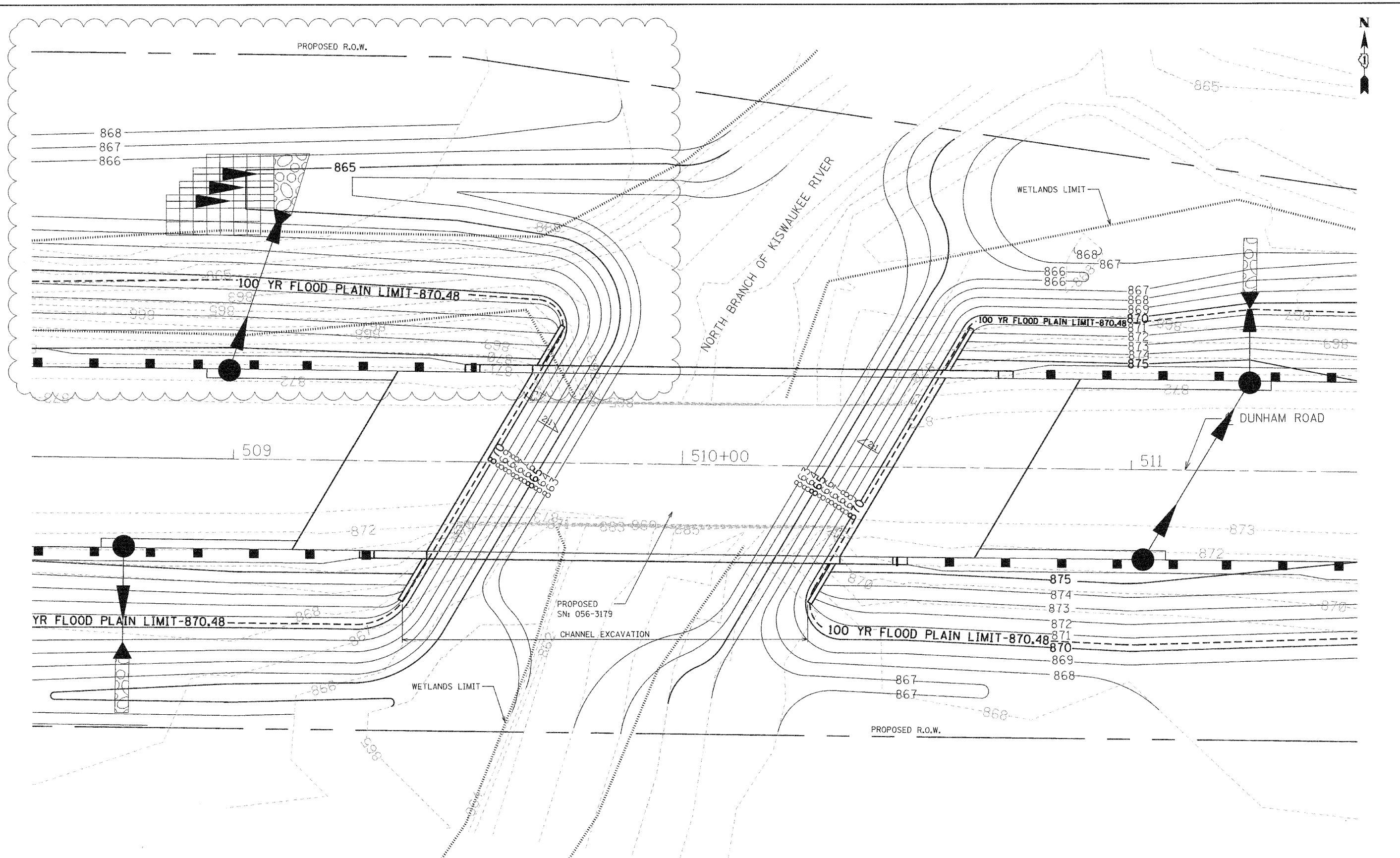
MCHENRY COUNTY DIVISION OF TRANSPORTATION

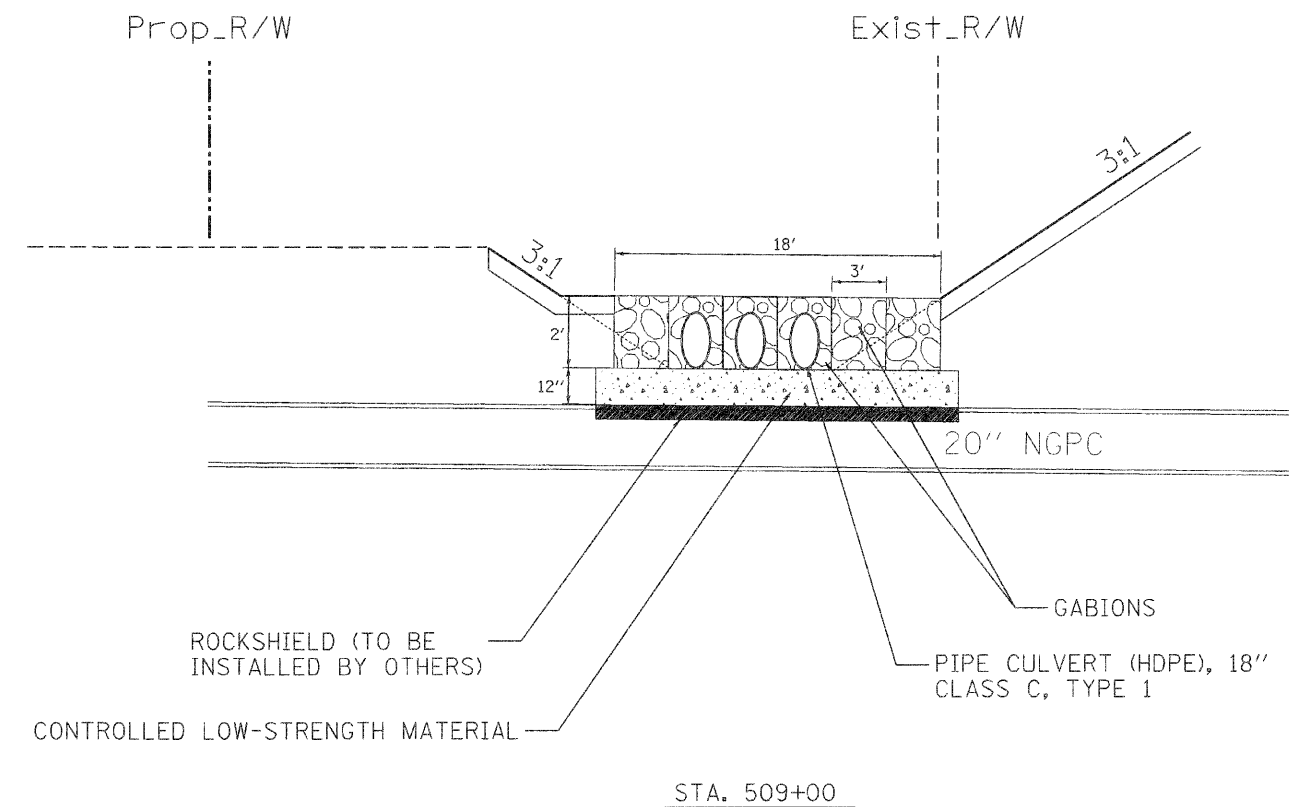
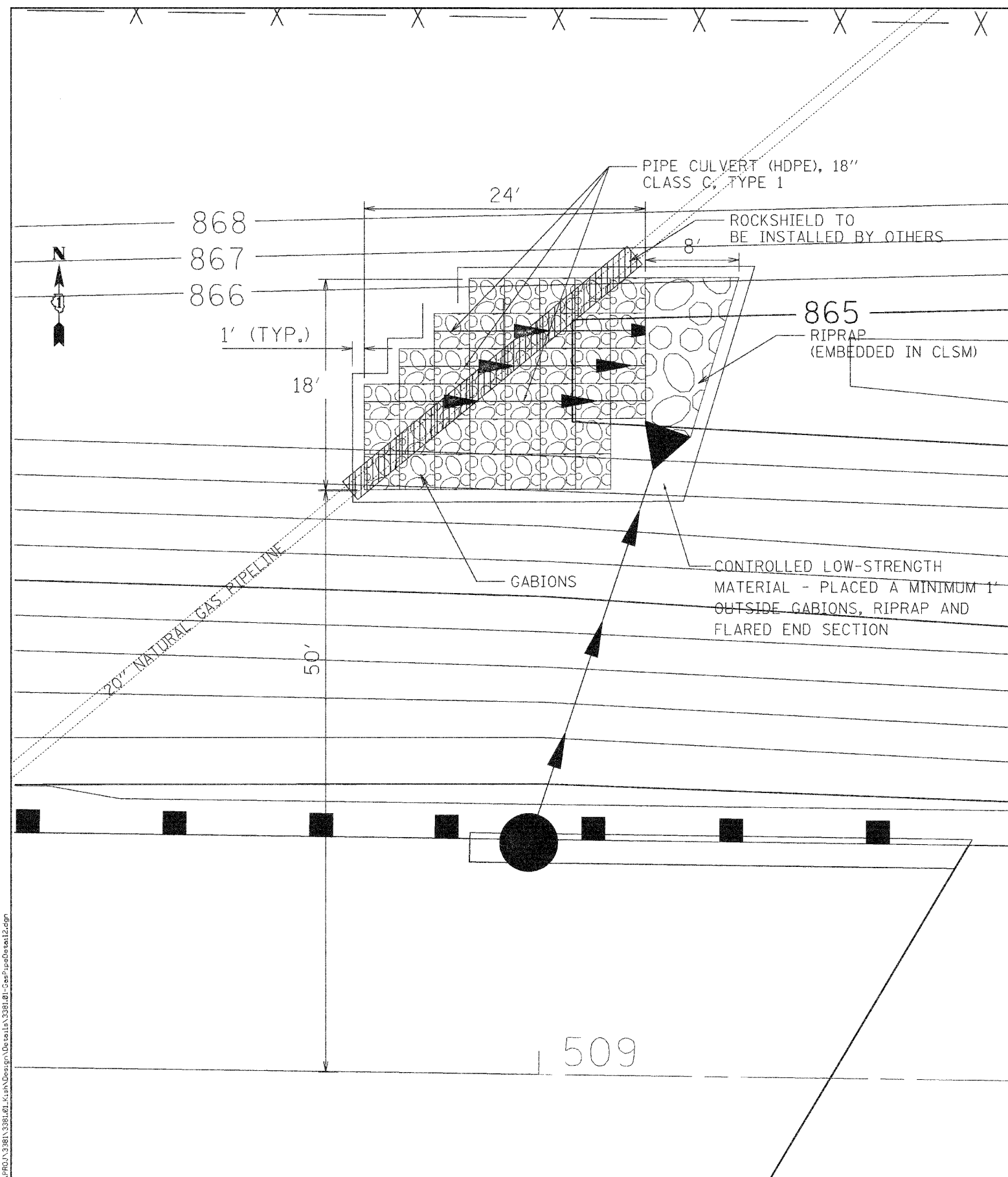
Revised
10-27-10

GRADING DETAIL AT BRIDGE ABUTMENTS

SCALE: 1" = 10' SHEET NO. OF SHEETS STA. TO STA.

F.A.S. RTE. 1233	SECTION 06-00321-00-BR	COUNTY MCHENRY	TOTAL SHEETS 48	SHEET NO. 14
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63516	





NOTES:

1. EXCAVATION WITHIN 18 INCHES OF THE 20 INCH NATURAL GAS PIPELINE SHALL BE DONE BY HAND.
2. GABION BASKETS SHALL BE CUT TO FIT THE PIPE CULVERTS. OPENINGS FOR THE PIPE CULVERTS SHALL BE REINFORCED WITH LACING WIRE.
3. CONTROLLED LOW-STRENGTH MATERIAL SHALL BE FRAMED AND POURED A MINIMUM OF 1' OUTSIDE THE LIMITS OF THE GABIONS, RIPRAP AND THE FLARED END SECTION.

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DATE - 6/18/2010	REVISED -

McHENRY COUNTY DIVISION OF TRANSPORTATION
DIVISION OF TRANSPORTATION

Revised 10-27-10

CROSS SECTIONS

SCALE: SHEET NO. OF SHEETS STA. 503+50.00 TO STA. 507+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1233	06-00321-00-BR	McHENRY	48	46
CONTRACT NO. 63516				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

