9-18-09 Letting, Item 104

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4075	08-00032-00-RS	McHENRY	49	1
FED. ROAD DIST. NO. 1	ILLINOIS	CONTRACT NO. 63193		

IMPROVEMENT LOCATED IN THE VILLAGE OF HUNTLEY.

INDEX OF SHEETS

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STATE OF ILLINOIS

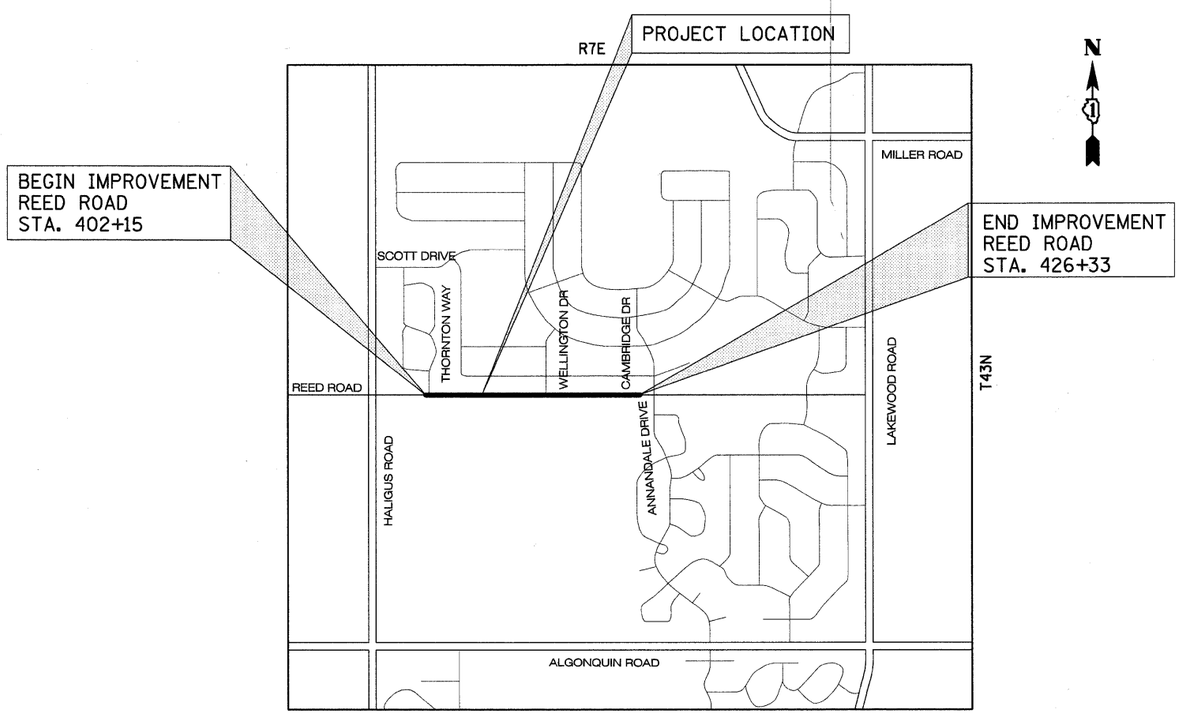
DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

PROPOSED HIGHWAY PLANS

F.A.U. 4075 (REED ROAD)
F.A.U. 3869 (HALIGUS ROAD) TO ANNANDALE DRIVE
SECTION 08-00032-00-RS
PROJECT NO. M-9003(281)
ROADWAY WIDENING AND RESURFACING
MCHENRY COUNTY
C-91-490-09

LOCATION OF SECTION INDICATED THUS: –



LOCATION MAP

NOT TO SCALE

PROJECT LENGTH:

REED ROAD - 2,418 FT (0.48 MILE) (NET & GROSS)

POSTED AND DESIGN SPEEDS:

REED ROAD - 45 MPH DESIGN; 45 MPH POSTED

DESIGN DESIGNATIONS:

REED ROAD - 13,000 (2030) * MINOR ARTERIAL TWS -2 * 0.61 (HMA OVERLAY-20)

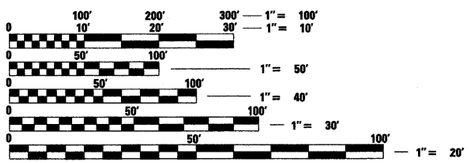
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

APPROVED William F. Geegan 5/1 20 09
William F. Geegan
VILLAGE ENGINEER, VILLAGE OF HUNTLEY

PASSED MAY 29 20 09
CHRISTOPHER WOLT
DISTRICT ONE ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID BASED ON LIMITED REVIEW MAY 29, 20 09
Diane M. O'Keefe
DEPUTY DIRECTOR OF HIGHWAYS, REGION ONE ENGINEER

FOR LIST OF STATE STANDARDS, SEE SHEET NO.3



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.

Call Before You Dig
JULIE
800.892.0123

Joint Utility Locating Information for Excavators

Call *48 hours before you dig* *(Excluding Sat., Sun. & Holidays)*

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

CONTRACT NO. 63193

DEREK N. MALL
062-051308
LICENSED PROFESSIONAL ENGINEER OF ILLINOIS

Derek N. Mall 11/30/09
REGISTERED P.E., STATE OF ILLINOIS EXPIRES 5/01/09

CIVILTECH ENGINEERING, INC.
184-000826
LS/PE/SE CORPORATION
ILLINOIS

PLANS PREPARED BY:

CIVILTECH
450 E. Devon Ave, Suite 300 - Itasca, Illinois 60143
Tel: 630.773.3900 - Fax: 630.773.3975
www.civiltechinc.com

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

ASSOCIATE FIELD ENGINEER: KEVIN STALLWORTH, P.E. (847) 705-4169

SPECIFICATIONS, STANDARDS AND SPECIAL PROVISIONS

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ("STANDARD SPECIFICATIONS"), ADOPTED JANUARY 1, 2007; THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", ADOPTED JANUARY 1, 2009; THE LATEST EDITION OF THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", (IMUTCD); "THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS" MAY 1996 FIFTH EDITION, THE DETAILS IN THE PLANS, AND THE SPECIAL PROVISIONS AND IDOT STANDARD DRAWINGS INCLUDED IN THE CONTRACT DOCUMENTS.
2. ALL REFERENCES TO "ENGINEER" SHALL BE INTERPRETED AS THE RESIDENT ENGINEER.
3. ALL UTILITY COMPANIES, SCHOOL DISTRICTS, AND LOCAL POLICE AND FIRE DEPARTMENTS SHALL BE NOTIFIED BY THE CONTRACTOR AT LEAST 72 HOURS PRIOR TO THE START OF CONSTRUCTION.
4. NO WORK SHALL COMMENCE UNTIL TRAFFIC CONTROL REQUIREMENTS ARE MET AND APPROPRIATE PERMITS HAVE BEEN OBTAINED FROM THE VILLAGE OF HUNTLEY, THE VILLAGE OF LAKE-IN-THE-HILLS AND THE MCHENRY COUNTY DIVISION OF TRANSPORTATION.

STAKING

1. ALL RADII FOR PROPOSED CURB AND GUTTER ARE TO THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
2. THE STATION/OFFSET/ELEVATIONS NOTED FOR ALL DRAINAGE STRUCTURES LOCATED IN THE CURB LINE REFER TO THE POSITION OF THE ADJACENT EDGE OF PAVEMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE OFFSET NECESSARY FOR EACH STRUCTURE TO SET THE FRAME AND GRATE IN THE PROPER LOCATION. ALL OTHER STRUCTURES ARE DIMENSIONED TO THE CENTER OF STRUCTURE.
3. PAVEMENT GRADES: THE ELEVATIONS INDICATED ON THE PLANS ARE FINISHED GRADES OF PROPOSED PAVEMENT, UNLESS OTHERWISE INDICATED.
4. THE CONSTRUCTION BASELINE HAS BEEN ESTABLISHED FOR STAKING PURPOSES ONLY AND IS NOT INTENDED TO BE A CENTERLINE OF RIGHT-OF-WAY.
5. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL SECTION OR SUBSECTION MONUMENTS OR PROPERTY OR REFERENCE MARKERS UNTIL THE VILLAGE, THE COUNTY, ITS AGENT OR AN AUTHORIZED SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATIONS.

PAVING AND CURB & GUTTER

1. THE CONTRACTOR SHALL SAW CUT PAVEMENT, CURB & GUTTER, AND SIDEWALK AS INDICATED ON THE PLANS TO SEPARATE THE EXISTING MATERIAL TO BE REMOVED BY MEANS OF AN APPROVED SAW TO FULL DEPTH AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE ITEM BEING REMOVED.

   THE CONTRACTOR SHALL BE REQUIRED TO SAW VERTICAL CUTS SO AS TO FORM CLEAN VERTICAL JOINTS. SHOULD THE CONTRACTOR DEFACE ANY EDGE, A NEW SAWED JOINT SHALL BE PROVIDED AND ANY ADDITIONAL WORK, INCLUDING REMOVAL AND REPLACEMENT, SHALL BE DONE AT THE CONTRACTOR'S EXPENSE.
2. BINDER COURSE SHALL NOT BE PLACED ADJACENT TO CURB AND GUTTER UNTIL THE CURB AND GUTTER HAS BEEN PROPERLY CURED AND BACKFILLED TO THE SATISFACTION OF THE ENGINEER.
3. HOT-MIX ASPHALT SURFACE COURSE SHALL NOT BE PLACED UNTIL ALL EARTH EXCAVATION, TOPSOIL PLACEMENT, AND HOT-MIX ASPHALT BINDER COURSE HAVE BEEN COMPLETED TO THE SATISFACTION OF THE ENGINEER.
4. THE THICKNESSES OF HOT-MIX ASPHALT MIXTURES SHOWN ON THE PLANS ARE NOMINAL. DEVIATIONS MAY OCCUR DUE TO IRREGULARITIES IN THE BINDER OR BASE UPON WHICH THE HOT-MIX ASPHALT MATERIALS ARE PLACED.
5. A QUANTITY OF CLASS D PATCHES HAS BEEN INCLUDED FOR THE USE IN MAKING SPOT REPAIRS TO REED ROAD ONCE THE EXISTING SURFACE HAS BEEN REMOVED. THIS WORK SHALL BE PERFORMED AT THE DIRECTION OF THE ENGINEER.

ROADWAY EXCAVATION

1. ALL EMBANKMENTS AND SUB-GRADE SHALL BE COMPACTED TO THE SATISFACTION OF THE ENGINEER PRIOR TO THE PLACEMENT OF GRANULAR SUB-BASE OR EMBANKMENT.
2. ALL EXCESS MATERIAL (BROKEN CONCRETE, SEWER PIPE, WASTE ROADWAY EXCAVATION AND SURPLUS MATERIAL FROM SEWER TRENCHES) SHALL BE LEGALLY DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT-OF-WAY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO SELECT DUMP SITES AND OBTAIN PERMISSION AND ALL NECESSARY PERMITS TO USE SUCH DUMP SITES. THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF THE REMOVAL ITEMS IN THE CONTRACT.
3. POROUS GRANULAR EMBANKMENT, SUBGRADE HAS BEEN PROVIDED TO REPLACE SOILS WHICH TEND TO BE UNSTABLE WHEN WET. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH PGES WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE ENGINEER. IF UNSUITABLE SOILS ARE ENCOUNTERED THE SOILS SHALL BE REMOVED AND REPLACED WITH PGES. THE REMOVAL AND REPLACEMENT AREA SHALL EXTEND TO 12 INCHES BEYOND THE CURB AND GUTTER AND COME UP AT A 1:1 SLOPE TO EXISTING GROUND SURFACE. THESE LIMITS MAY BE ALTERED BY THE ENGINEER IF FIELD CONDITIONS SO WARRANT. GEOTECHNICAL FABRIC FOR GROUND STABILIZATION SHALL BE PLACED BETWEEN THE EXISTING SUBGRADE AND THE PROPOSED PGES. REMOVAL OF THESE UNSUITABLE SOILS SHALL BE PAID FOR AS "REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL."

SEWER

1. THE COST OF MAKING SEWER CONNECTIONS TO EXISTING OR PROPOSED SEWER OR DRAINAGE STRUCTURES SHALL BE INCIDENTAL TO THE COST OF THE SEWER OR STRUCTURE BEING CONSTRUCTED.
2. UNLESS OTHERWISE NOTED ON THE PLANS, THE EXISTING DRAINAGE FACILITIES SHALL REMAIN IN USE DURING THE PERIOD OF CONSTRUCTION. LOCATIONS OF EXISTING DRAINAGE STRUCTURES AND SEWERS AS SHOWN ON THE PLANS ARE APPROXIMATE. PRIOR TO COMMENCING WORK THE CONTRACTOR, AT HIS OWN EXPENSE, SHALL DETERMINE THE EXACT LOCATIONS OF EXISTING STRUCTURES WHICH ARE WITHIN THE PROPOSED CONSTRUCTION LIMITS. DURING CONSTRUCTION, IF THE CONTRACTOR ENCOUNTERS OR OTHERWISE BECOMES AWARE OF ANY SEWERS, UNDERDRAINS OR FIELD DRAINS WITHIN THE RIGHT-OF-WAY OTHER THAN THOSE SHOWN ON THE PLANS, HE SHALL SO INFORM THE ENGINEER, WHO SHALL DIRECT THE WORK NECESSARY TO MAINTAIN OR REPLACE THE FACILITIES IN SERVICE AND TO PROTECT THEM FROM DAMAGE DURING CONSTRUCTION IF MAINTAINED. EXISTING FACILITIES TO BE MAINTAINED THAT ARE DAMAGED BECAUSE OF THE NON-COMPLIANCE WITH THIS PROVISION SHALL BE REPLACED AT THE CONTRACTOR'S OWN EXPENSE. SHOULD THE ENGINEER HAVE DIRECTED THE REPLACEMENT OF A FACILITY, THE NECESSARY WORK AND PAYMENT SHALL BE IN ACCORDANCE WITH SECTIONS 550 AND 601, AND ARTICLE 104.02 OF THE STANDARD SPECIFICATIONS.
3. WHEN EXISTING DRAINAGE FACILITIES ARE DISTURBED, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY OUTLETS AND CONNECTIONS FOR ALL PRIVATE OR PUBLIC DRAINS, SEWERS OR CATCH BASINS. THE CONTRACTOR SHALL PROVIDE FACILITIES TO TAKE IN ALL STORM WATER WHICH WILL BE RECEIVED BY THESE DRAINS AND SEWERS AND DISCHARGE THE SAME. HE SHALL PROVIDE AND MAINTAIN AN EFFICIENT PUMPING PLANT, IF NECESSARY, AND A TEMPORARY OUTLET. HE SHALL BE PREPARED AT ALL TIMES TO DISPOSE OF THE WATER RECEIVED FROM TEMPORARY CONNECTIONS UNTIL SUCH TIME AS THE PERMANENT CONNECTIONS WITH SEWER ARE BUILT AND IN SERVICE. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT.
4. TOP OF FRAME ("RIM") ELEVATIONS GIVEN ON THE PLANS ARE ONLY TO ASSIST THE CONTRACTOR IN DETERMINING THE APPROXIMATE OVERALL HEIGHT OF EACH STRUCTURE. FRAMES ON ALL NEW STRUCTURES SHALL BE ADJUSTED TO THE FINAL ELEVATIONS OF THE AREAS IN WHICH THEY ARE LOCATED, AS PART OF THE STRUCTURE COST.
5. DRAINAGE STRUCTURE FLAT-TOPS AND CONES SHALL BE TURNED SO THAT THE FRAMES ARE CLOSEST TO THE CENTERLINE OF THE ROAD. ALL FLAT-TOPS AND CONES ARE ASSUMED TO BE ECCENTRIC.
6. ALL SEWER AND WATER SERVICES CROSSED BY NEW STORM SEWERS SHALL BE PROPERLY LOCATED AND PROTECTED DURING CONSTRUCTION. ANY DAMAGE TO SAID SERVICES NOT CONSIDERED TO BE IN CONFLICT WITH THE PROPOSED STORM SEWER SHALL BE REPAIRED BY THE CONTRACTOR AT HIS OWN EXPENSE.
7. PRECAST CONCRETE ADJUSTING RINGS ON CATCH BASINS SHALL NOT EXCEED 8 INCHES.

SIGNING, STRIPING & LANDSCAPING

1. WHEN DIRECTED BY THE ENGINEER, SUPPLEMENTAL WATERING SHALL BE APPLIED TO ALL SEEDING AREAS PRIOR TO FINAL ACCEPTANCE AT A RATE SPECIFIED BY THE ENGINEER AND IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS" AND SPECIAL PROVISIONS.
2. THE CONTRACTOR SHALL ADHERE TO LIMITS OF RESTORATION SHOWN. AREAS OUTSIDE THESE LIMITS THAT ARE DAMAGED OR DISTURBED BY THE CONTRACTOR SHALL BE RESTORED BY THE CONTRACTOR AT HIS EXPENSE, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
3. ALL EXISTING TRAFFIC SIGNS WHICH INTERFERE WITH THE CONTRACTOR'S WORK SHALL BE REMOVED, A RECORD MADE OF THEIR CONDITION, AND SAFELY STORED AND SAFEGUARDED BY THE CONTRACTOR UNTIL THE ENGINEER DETERMINES THAT THEY BE REINSTALLED IN THE PERMANENT LOCATIONS.
4. ANY SIGN WHICH IS DAMAGED DURING THE TIME IT IS STORED SHALL BE REPAIRED OR REPLACED IN KIND BY THE CONTRACTOR AT HIS OWN EXPENSE PRIOR TO PERMANENT REINSTALLATION.
5. ALL UNUSED SIGNS AND POSTS SHALL BE RETURNED TO THE JURISIDICTION FROM WHICH IT WAS REMOVED: VILLAGE OF HUNTLEY, VILLAGE OF LAKE IN THE HILLS, OR MCHENRY COUNTY DIVISION OF TRANSPORTATION.
6. THE COST OF STORING AND SAFEGUARDING THE PERMANENT SIGNS AND POSTS, AND REINSTALLING THE PERMANENT SIGNS SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR "RELOCATE SIGN PANEL ASSEMBLY" OF THE TYPE SPECIFIED. NEW SIGN SUPPORTS SHALL BE USED FOR REINSTALLED SIGNS UNLESS OTHERWISE NOTED. FURNISHING, INSTALLING, MAINTAINING AND REMOVING THE TEMPORARY SIGNS SHALL BE INCLUDED IN THE COST OF THE VARIOUS TRAFFIC CONTROL AND PROTECTION ITEMS. THE NEW SUPPORTS SHALL BE PAID FOR AS "TELESCOPING STEEL SIGN SUPPORT."

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	PLOT DATE = 4/30/2009	DATE - 5/1/09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES AND STATE STANDARDS

SCALE: N.T.S. | SHEET NO. 1 OF 2 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4075	08-00032-00-RS	MCHENRY	49	2
		CONTRACT NO. 63193		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

EROSION CONTROL

1. ALL VEGETATIVE AND STRUCTURAL EROSION CONTROL PRACTICES SHALL BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH THE MINIMUM STANDARDS AND SPECIFICATIONS OF THE "ILLINOIS PROCEDURES AND STANDARDS FOR URBAN SOIL EROSION AND SEDIMENTATION CONTROL" AND THE "STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL" OF THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY.

2. SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. SOIL STABILIZATION MEASURES SHALL CONSIDER THE TIME OF YEAR, SITE CONDITIONS AND THE USE OF TEMPORARY OR PERMANENT MEASURES.

3. ALL EROSION CONTROL MEASURES SHALL BE IN PLACE BEFORE ANY WORK BEGINS.

4. THE CONTRACTOR SHALL INSPECT ALL EROSION CONTROL MEASURES PERIODICALLY AND AFTER EACH RUNOFF-PRODUCING RAINFALL EVENT. ANY NECESSARY REPAIRS OR CLEANUP TO MAINTAIN THE EFFECTIVENESS OF SAID MEASURES SHALL BE MADE IMMEDIATELY.

5. ALL STORM SEWER FACITILTIES THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED, FILTERED OR OTHERWISE TREATED TO REMOVE SEDIMENT. MUD AND SEDIMENT DEPOSITS SHALL BE REMOVED FROM THE ROADWAY AT THE END OF EACH WORK DAY BY SHOVELING AND/OR SWEEPING.

6. ALL SLOPES SHALL BE COVERED WITH SEED AS SOON AS GRADING AND PLACEMENT OF TOPSOIL HAS BEEN COMPLETED.

7. INLET FILTERS SHALL BE PLACED ON ALL CATCH BASINS, INLETS, AND MANHOLES WITH OPEN GRATES IN THE CURB AND GUTTER.

8. THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER.

9. SEE STANDARD 280001 FOR ADDITIONAL SOIL EROSION AND SEDIMENT CONTROL DETAILS AND REQUIREMENTS.

UTILITIES

1. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES. THE LOCATION OF PUBLIC OR PRIVATE UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE AND THE ENGINEER DOES NOT GUARANTEE THEIR ACCURACY. THE CONTRACTOR WILL BE REQUIRED TO ASCERTAIN THE EXACT LOCATION OF SUCH UTILITIES AND EXERCISE CARE DURING HIS CONSTRUCTION OPERATIONS SO AS NOT TO DAMAGE THEM IN ACCORDANCE WITH THE SPECIAL PROVISIONS AND ARTICLE 107.31 OF THE "STANDARD SPECIFICATIONS." THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE OWNERS OF ALL EXISTING UTILITIES SO THAT THEIR FACILITIES MAY BE LOCATED AND ADJUSTED OR MOVED, IF NECESSARY, PRIOR TO THE START OF THE CONSTRUCTION OPERATIONS.

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL ABOVE AND BELOW GROUND UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER OR THE UTILITY OWNER. THIS WORK SHALL BE AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR SHALL NOTIFY ALL UTILITY OWNERS OF HIS CONSTRUCTION SCHEDULE AND SHALL COORDINATE CONSTRUCTION OPERATIONS WITH THE UTILITY OWNERS SO THAT RELOCATION OF UTILITY LINES AND STRUCTURES MAY PROCEED IN AN ORDERLY MANNER. NOTIFICATION SHALL BE IN WRITING, WITH COPIES TRANSMITTED TO THE ENGINEER.

3. ANY EXISTING OR PROPOSED SEWER DAMAGED BY THE CONTRACTOR DURING CONSTRUCTION SHALL BE REPLACED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER AT NO COST TO THE VILLAGE.

4. THE CONTRACTOR SHALL RECEIVE NO ADDITIONAL COMPENSATION FOR CONSTRUCTION STAGING NECESSARY TO ACCOMMODATE UTILITY RELOCATION OR ADJUSTMENT AND/OR FOR DELAYS CAUSED BY UTILITY RELOCATION OR ADJUSTMENT.

5. THE CONTRACTOR SHALL FURNISH ALL LABOR, EQUIPMENT AND MATERIAL NECESSARY FOR DEWATERING TRENCH EXCAVATIONS AS WELL AS SHORING TRENCH WALLS DURING UTILITY OPERATIONS. COMPLIANCE WITH THE ABOVE WILL BE INCIDENTAL TO THE UTILITY INSTALLATIONS.

6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING LOCAL AGENCIES MAINTAINING SANITARY SEWERS AND WATER MAINS TO VERIFY THE MATERIALS AND METHODS ALLOWED FOR THE ADJUSTMENT OR RELOCATION OF THEIR FACILITIES, IF NECESSARY.

7. WHERE TRENCH BACKFILL IS REQUIRED, THE MATERIAL USED SHALL BE COMPACTED AS SPECIFIED IN ARTICLE 550.07 OF THE "STANDARD SPECIFICATIONS" USING METHOD ONE.

MATERIALS QC/QA POLICY

1. ALL HOT-MIX ASPHALT AND P.C. CONCRETE MATERIALS USED ON THIS PROJECT SHALL BE TESTED AND INSPECTED IN ACCORDANCE WITH THE ILLINOIS DEPARTMENT OF TRANSPORTATION'S QC/QA REQUIREMENTS.

2. THE CONTRACTOR SHALL PROVIDE QC TESTING TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION BUREAU OF MATERIALS ORDER BOARD (PHONE: 847-705-4337 OR FAX: 847-705-4529) BY 4:00 P.M., 24-HOURS IN ADVANCE OF CONSTRUCTION FOR INSPECTION OF ALL HOT-MIX ASPHALT AND CONCRETE MATERIALS USED ON THIS PROJECT.

3. THE CONTRACTOR IS TO SUBMIT A QC PLAN FOR HMA AND CONCRETE MATERIALS TO THE QA MANAGER FOR APPROVAL PRIOR TO CONSTRUCTION OPERATIONS COMMENCING. THE QA MANAGER WILL APPROVE THIS PLAN AND COPY THE DISTRICT MATERIALS OFFICE ON THE APPROVAL LETTER.

4. QC AND QA REPORTS FOR CONCRETE WILL BE SENT TO THE DISTRICT BUREAU OF MATERIALS OFFICE AFTER REVIEW AND APPROVAL BY THE QA MANAGER.

5. QC REPORT FOR HOT-MIX ASPHALT MIXTURES WILL BE TRANSMITTED DIRECTLY BY THE CONTRACTOR DAILY DURING PRODUCTION. THE DISTRICT WILL REVIEW AND RETAIN THE QA PLANT REPORTS. THE QA FIELD REPORTS CAN BE SUBMITTED BY THE QA MANAGER TO THE DISTRICT VIA THE DISTRICT LOCAL ROADS OFFICE.

6. THE COSTS TO COMPLY WITH THESE REQUIREMENTS SHALL BE INCLUDED IN THE COST OF THE VARIOUS HOT-MIX ASPHALT AND P.C. CONCRETE ITEMS.

MISCELLANEOUS

1. DIMENSIONS: IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION.

2. THE CONTRACTOR SHALL NOT CROSS COMPLETED BINDER COURSE, OR EXISTING PAVEMENT NOT SCHEDULED TO BE REMOVED, WITH CONSTRUCTION EQUIPMENT WHICH MAY DAMAGE THE PAVEMENT.

STATE STANDARDS

000001-05	STANDARD SYMBOLS ABBREVIATIONS & PATTERNS
280001-04	TEMPORARY EROSION CONTROL SYSTEMS
424001-05	CURB RAMPS FOR SIDEWALK
442201-03	CLASS C & D PATCHES
542301-02	PRECAST REINFORCED CONCRETE FLARED END SECTION
602001-01	CATCH BASIN-TYPE A
602011-01	CATCH BASIN-TYPE C
602301-02	INLET TYPE A
602306-02	INLET TYPE B
602601-02	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
604051-03	FRAMES & LIDS TYPE 11
606001-04	CONCRETE CURB TYPE B & COMBINATION CONCRETE CURB & GUTTER
701201-03	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS > 45 MPH
701301-03	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-02	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS, DAY ONLY, FOR SPEEDS > 45 MPH
701901-01	TRAFFIC CONTROL DEVICES
720006-02	SIGN PANEL ERECTION DETAILS
720001-01	SIGN PANEL MOUNTING DETAILS
728001-01	TELESCOPING STEEL SIGN SUPPORT
780001-02	TYPICAL PAVEMENT MARKINGS
886001-01	DETECTOR LOOP INSTALLATIONS

FILE NAME =	USER NAME = eds	DESIGNED - EAD	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES AND STATE STANDARDS

SCALE: N.T.S. | SHEET NO. 2 OF 2 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4075	08-00032-00-RS	MCHENRY	49	3
		CONTRACT NO. 63193		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

SUMMARY OF QUANTITES

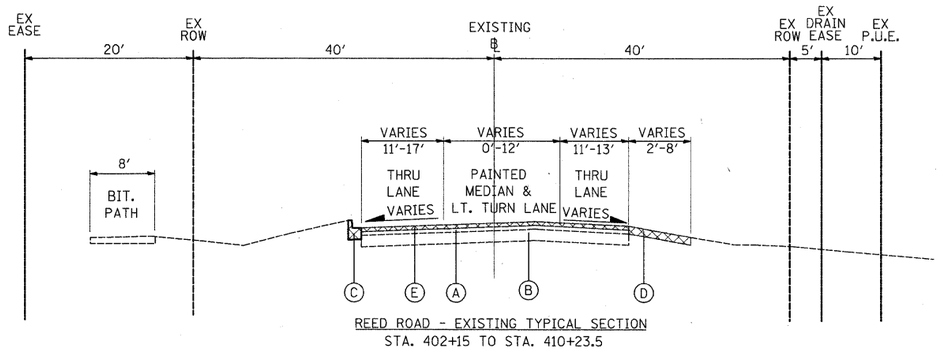
CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY
20200100	EARTH EXCAVATION	CU YD	1,792
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	476
20700420	POROUS GRANULAR EMBANKMENT, SUBGRADE	CU YD	476
20800150	TRENCH BACKFILL	CU YD	94
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	1,292
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	12,073
21300010	EXPLORATION TRENCH, SPECIAL	FOOT	50
25000110	SEEDING, CLASS 1A	ACRE	1.3
25000314	SEEDING, CLASS 4B	ACRE	0.1
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	187
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	187
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	187
25100630	EROSION CONTROL BLANKET	SQ YD	6,531
25200100	SODDING	SQ YD	5,542
25200200	SUPPLEMENTAL WATERING	UNIT	83
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	135
28000300	TEMPORARY DITCH CHECKS	EACH	15
28000510	INLET FILTERS	EACH	38
28100105	STONE RIPRAP, CLASS A3	SQ YD	92
28200200	FILTER FABRIC	SQ YD	92
31101400	SUB-BASE GRANULAR MATERIAL, TYPE B 6"	SQ YD	61
31102000	SUB-BASE GRANULAR MATERIAL, TYPE C	CU YD	81
35102000	AGGREGATE BASE COURSE, TYPE B 8"	SQ YD	46
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	2,017
40600300	AGGREGATE (PRIME COAT)	TON	41
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	20
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	840
40601005	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES	TON	3
40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	3,620
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	16
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	989
42001300	PROTECTIVE COAT	SQ YD	1,089
42400800	DETECTABLE WARNINGS	SQ FT	64
44000100	PAVEMENT REMOVAL	SQ YD	768
44000152	HOT-MIX ASPHALT SURFACE REMOVAL, 3/4"	SQ YD	7,399
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	2,482
44002208	HOT-MIX ASPHALT REMOVAL OVER PATCHES, 2"	SQ YD	25
44002600	GUTTER OUTLET REMOVAL	FOOT	30
44201713	CLASS D PATCHES, TYPE I, 6 INCH	SQ YD	100
44201717	CLASS D PATCHES, TYPE II, 6 INCH	SQ YD	150
44201721	CLASS D PATCHES, TYPE III, 6 INCH	SQ YD	150
44201723	CLASS D PATCHES, TYPE IV, 6 INCH	SQ YD	400

	CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY
	44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	6,357
	54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	11
	54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	2
	542A0220	PIPE CULVERTS, CLASS A, TYPE 1 15"	FOOT	23
	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	656
	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	158
	60109510	PIPE UNDERDRAINS, FABRIC LINED TRENCH 4"	FOOT	18
	60201105	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	EACH	2
	60207905	CATCH BASINS, TYPE C, TYPE 11 FRAME AND GRATE	EACH	6
	60214700	RESTRICTED DEPTH CATCH BASINS, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	EACH	4
	60236800	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	EACH	5
	60240310	INLETS, TYPE B, TYPE 11 FRAME AND GRATE	EACH	2
	60250200	CATCH BASINS TO BE ADJUSTED	EACH	10
	60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	4,901
	67000500	ENGINEER'S FIELD OFFICE, TYPE B	CAL MO	8
	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
	70102550	TRAFFIC CONTROL AND PROTECTION FOR TEMPORARY DETOUR	EACH	1
	72400720	RELOCATE SIGN PANEL - TYPE 2	SQ FT	43
	72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	90
*	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	73
*	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	8,757
*	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	492
*	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	380
*	78001100	PAINT PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	73
*	78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	8,757
*	78001130	PAINT PAVEMENT MARKING - LINE 6"	FOOT	492
*	78001150	PAINT PAVEMENT MARKING - LINE 12"	FOOT	380
*	85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
*	88600600	DETECTOR LOOP REPLACEMENT	FOOT	27
	X0323426	SEDIMENT CONTROL, DRAINAGE STRUCTURE INLET FILTER CLEANING	EACH	38
	X0323973	SEDIMENT CONTROL, SILT FENCE	FOOT	3,773
	X0323974	SEDIMENT CONTROL, SILT FENCE MAINTENANCE	FOOT	3,773
*	X8950200	REBUILD EXISTING HANDHOLE	EACH	1
	XX004801	BITUMINOUS BIKE PATH REMOVAL	SQ YD	61
	XX004878	MAINTENANCE OF TEMPORARY EROSION CONTROL SYSTEMS	L SUM	1
	XX005462	CHANGEABLE MESSAGE SIGN	WEEK	8
	Z0001050	AGGREGATE SUBGRADE 12"	SQ YD	3,415
	Z0019600	DUST CONTROL WATERING	UNIT	5
△	Z0076600	TRAINEES	HOURS	500
	XX007603	RESTRICTED DEPTH INLETS, TYPE B, TYPE 11 FRAME AND GRATE	EACH	2

△ Y080

* DENOTES SPECIALTY ITEM

FILE NAME =	USER NAME = eds	DESIGNED - EAD	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**SUMMARY OF QUANTITIES**	F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - EDS	REVISED -			4075	08-00032-00-RS	MCHENRY	49	4
	PLOT SCALE = 1.0000 ' / IN.	CHECKED - DNM	REVISED -					CONTRACT NO. 63193		
	PLOT DATE = 5/1/2009	DATE - 5/1/09	REVISED -		SCALE: N.T.S. SHEET NO. 1 OF 1 SHEETS STA. TO STA.	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

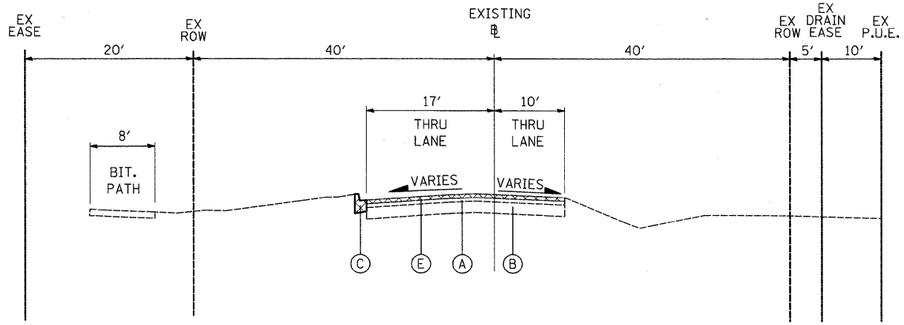


REED ROAD - EXISTING TYPICAL SECTION
STA. 402+15 TO STA. 410+23.5

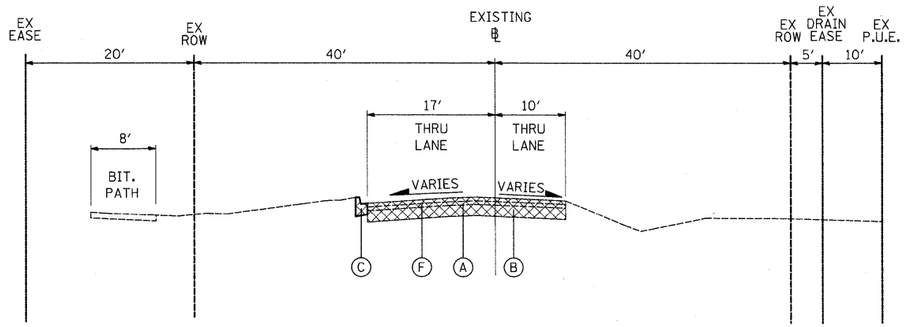
LEGEND

- (A) HMA PAVEMENT, 2 1/4" - 4"
- (B) GRANULAR BASE
- (C) COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.12
- (D) AGGREGATE SHOULDERS
- (E) HOT-MIX ASPHALT SURFACE REMOVAL, 3/4"
- (F) PAVEMENT REMOVAL

REMOVAL



REED ROAD - EXISTING TYPICAL SECTION
STA. 410+23.5 TO STA. 417+00
STA. 419+00 TO STA. 426+33



REED ROAD - EXISTING TYPICAL SECTION
STA. 417+00 TO STA. 419+00

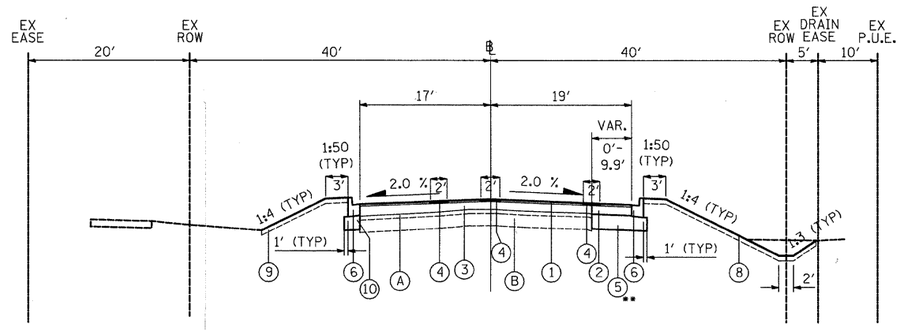
FILE NAME =	USER NAME = eds	DESIGNED - EDS	REVISED -
		DRAWN - EDS	REVISED -
	PLOT SCALE = 1.0000 ' / IN.	CHECKED - DNM	REVISED -
	PLOT DATE = 5/1/2009	DATE - 5/1/09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

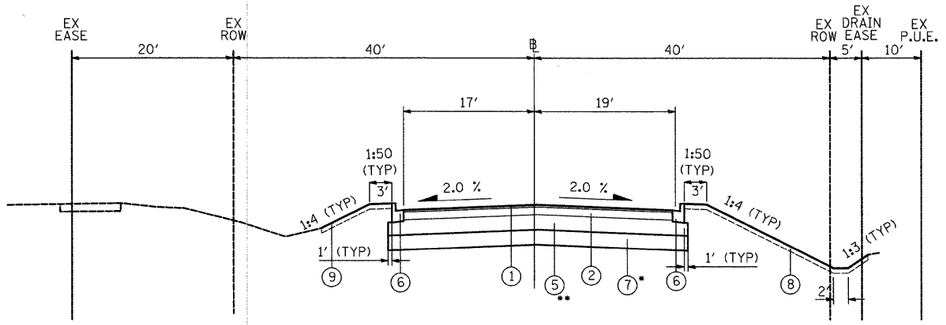
EXISTING TYPICAL SECTIONS – REED ROAD

SCALE: N.T.S. | SHEET NO. 1 OF 2 SHEETS | STA. | TO STA.

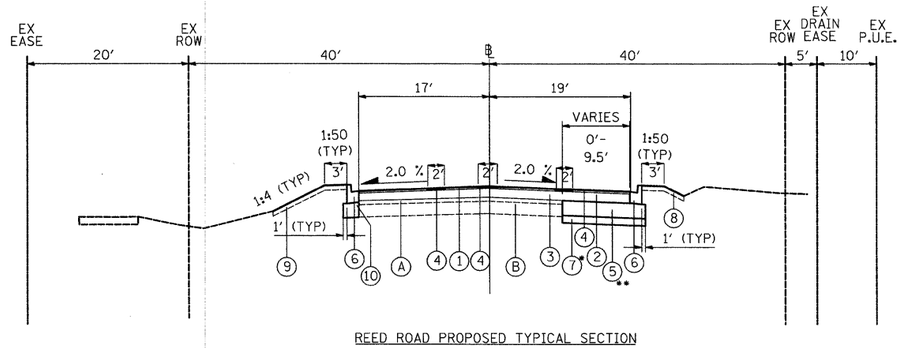
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4075	08-00032-00-RS	McHENRY	49	5
		CONTRACT NO. 63193		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



REED ROAD PROPOSED TYPICAL SECTION
STA. 402+15 TO STA. 417+00



REED ROAD PROPOSED TYPICAL SECTION
STA. 417+00 TO STA. 419+00



REED ROAD PROPOSED TYPICAL SECTION
STA. 419+00 TO STA. 426+33

LEGEND

(1) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1 3/4" (40603340)

(2) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 6 1/4" (40603085)

(3) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 4 1/4" MIN. AND VARIES (40603085)

(4) STRIP REFLECTIVE CRACK CONTROL TREATMENT (44300200)

(5) AGGREGATE SUBGRADE 12" (Z0001050)

(6) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (60603800)

(7) REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (20201200)
POROUS GRANULAR EMBANKMENT, SUBGRADE (20700420)

(8) TOPSOIL FURNISH AND PLACE, 4" (21101615) &
SEEDING CLASS 1A (25000110)
(SEE LANDSCAPING SHEETS FOR LIMITS OF SEEDING)

(9) TOPSOIL FURNISH AND PLACE, 4" (21101615) & SODDING (25200100)
(SEE LANDSCAPING SHEETS FOR LIMITS OF SODDING)

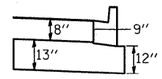
(10) SUB-BASE GRANULAR MATERIAL, TYPE C (31102000)

(A) EXISTING HOT-MIX ASPHALT PAVEMENT

(B) EXISTING SUBGRADE

* STA. 417+50 TO 420+50 UNDERCUTS WILL BE 12"
- WITH GEOTEXTILE GROUND STABILIZATION FABRIC
STA. 424+00 TO 427+00 UNDERCUTS WILL BE 6"

** AGGREGATE SUBGRADE SHALL BE 12" UNDER CURB AND GUTTER AND 13" UNDER PAVEMENT. THERE WILL BE NO ADDITIONAL COMPENSATION FOR THE ADDITIONALTHICKNESS OF SUBGRADE. THE EXTRA THICKNESS OF THE SUBGRADE SHALL BE INCLUDED IN AGGREGATE SUBGRADE 12".



HOT-MIX ASPHALT MIXTURE REQUIREMENTS			
MIXTURE TYPE	**AC TYPE**	**VOIDS**	**MAX RAP**
PROPOSED WIDENING AND RECONSTRUCTION (REED RD)			
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	PG 64-22	4% @ 70 GYR.	15.0%
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	PG 64-22*	4% @ 70 GYR.	25.0%
OVERLAY			
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	PG 64-22	4% @ 70 GYR.	15.0%
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	PG 64-22*	4% @ 70 GYR.	25.0%

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD / IN.

* WHEN RAP EXCEEDS 20%, THE NEW ASPHALT BINDER IN THE MIX SHALL BE PG 58-22.

FILE NAME =	USER NAME = eds	DESIGNED - EAD	REVISED -
		DRAWN - EDS	REVISED -
	PLOT SCALE = 1.0000 ' / IN.	CHECKED - DNM	REVISED -
	PLOT DATE = 5/1/2009	DATE - 5/1/09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED TYPICAL SECTIONS – REED ROAD

SCALE: N.T.S. | SHEET NO. 2 OF 2 SHEETS | STA. 402+15 TO STA. 426+33.14

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4075	08-00032-00-RS	MCHENRY	49	6
		CONTRACT NO. 63193		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

EARTHWORK QUANTITIES											
STATION	DISTANCE	EARTH EXCAVATION	EMBANKMENT	UNSUITABLE MATERIAL	SUB-BASE GRANULAR MATERIAL, TYPE C	EARTH EXCAVATION	EARTH EXCAVATION (ADJ. FOR SHRINKAGE)	EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)	REMOVAL & DISPOSAL OF UNSUITABLE MATERIALS	SUB-BASE GRANULAR MATERIAL, TYPE C
(XXX+XX)	(FT.)	(SQ. FT.)	(SQ. FT.)	(SQ. FT.)	(SQ. FT.)	(CU. YD.)	(CU. YD.)	(CU. YD.)	(CU. YD.)	(CU. YD.)	(CU. YD.)
REED ROAD											
402+00		31.1	0.0	0.0	0.0						
	15					17.4	14.8	0.0	14.8	0.0	0.0
402+15		31.7	0.0	0.0	0.0						
	35					40.6	34.5	1.5	33.0	0.0	0.2
402+50		30.9	2.3	0.0	0.3						
	50					51.8	44.0	8.7	35.3	0.0	1.1
403+00		25.0	7.1	0.0	0.9						
	50					41.3	35.1	19.1	16.0	0.0	1.9
403+50		19.6	13.6	0.0	1.2						
	50					33.6	28.6	28.1	0.5	0.0	2.6
404+00		16.6	16.8	0.0	1.6						
	50					27.7	23.5	41.7	-18.1	0.0	3.0
404+50		13.3	28.2	0.0	1.6						
	50					21.1	17.9	49.2	-31.3	0.0	3.1
405+00		9.5	24.9	0.0	1.7						
	50					17.5	14.9	35.7	-20.9	0.0	2.4
405+50		9.4	13.7	0.0	0.9						
	18					6.4	5.5	4.6	0.9	0.0	0.3
405+68		9.9	9.5	0.0	0.0						
	32					12.5	10.6	5.6	5.0	0.0	0.6
406+00		11.2	11.3	0.0	1.0						
	50					19.9	16.9	10.5	6.5	0.0	1.9
406+50		10.2	14.7	0.0	1.1						
	50					21.4	18.2	13.6	4.6	0.0	2.0
407+00		12.9	17.2	0.0	1.1						
	50					25.0	21.3	15.9	5.4	0.0	2.2
407+50		14.1	18.2	0.0	1.3						
	50					23.9	20.3	16.8	3.5	0.0	2.3
408+00		11.7	21.3	0.0	1.2						
	50					18.9	16.1	19.7	-3.7	0.0	2.1
408+50		8.8	22.0	0.0	1.1						
	50					14.3	12.2	20.4	-8.2	0.0	1.9
409+00		6.7	23.0	0.0	0.9						
	50					11.2	9.5	21.3	-11.7	0.0	1.9
409+50		5.4	25.1	0.0	1.1						
	50					15.8	13.4	23.2	-9.8	0.0	2.3
410+00		11.6	27.0	0.0	1.3						
	50					28.9	24.5	25.0	-0.4	0.0	2.4
410+50		19.6	25.1	0.0	1.2						
	50					38.2	32.5	23.3	9.2	0.0	2.2
411+00		21.7	19.7	0.0	1.1						
	50					35.7	30.4	18.2	12.1	0.0	1.9
411+50		16.9	19.1	0.0	0.9						
	50					28.0	23.8	17.7	6.1	0.0	1.7
412+00		13.4	22.6	0.0	0.9						
	50					25.0	21.3	20.9	0.3	0.0	1.5
412+50		13.6	21.3	0.0	0.8						
	50					24.6	20.9	19.7	1.2	0.0	1.5
413+00		12.9	20.5	0.0	0.9						
	50					25.0	21.2	19.0	2.2	0.0	1.5
413+50		14.1	21.0	0.0	0.8						
	50					28.5	24.2	19.4	4.8	0.0	0.7

EARTHWORK QUANTITIES											
STATION	DISTANCE	EARTH EXCAVATION	EMBANKMENT	UNSUITABLE MATERIAL	SUB-BASE GRANULAR MATERIAL, TYPE C	EARTH EXCAVATION	EARTH EXCAVATION (ADJ. FOR SHRINKAGE)	EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)	REMOVAL & DISPOSAL OF UNSUITABLE MATERIALS	SUB-BASE GRANULAR MATERIAL, TYPE C
(XXX+XX)	(FT.)	(SQ. FT.)	(SQ. FT.)	(SQ. FT.)	(SQ. FT.)	(CU. YD.)	(CU. YD.)	(CU. YD.)	(CU. YD.)	(CU. YD.)	(CU. YD.)
REED ROAD											
414+00		16.7	15.7	0.0	0.9						
	50					34.1	29.0	14.5	14.5	0.0	1.6
414+50		20.1	15.7	0.0	0.9						
	50					34.7	29.5	14.6	14.9	0.0	1.6
415+00		17.3	15.1	0.0	0.9						
	50					37.4	31.8	14.0	17.8	0.0	1.6
415+50		23.1	17.0	0.0	0.9						
	50					47.8	40.6	15.7	24.9	0.0	1.6
416+00		28.5	18.0	0.0	0.9						
	50					44.8	38.1	16.7	21.4	0.0	1.7
416+50		19.9	25.7	0.0	0.9						
	50					47.6	40.5	23.8	16.6	0.0	0.9
417+00		31.6	28.7	0.0	0.0						
	50					57.7	49.0	26.6	22.4	37.2	0.0
417+50		30.7	25.0	40.2	0.0						
	50					81.0	68.9	23.2	45.7	95.9	0.0
418+00		56.8	22.0	63.3	0.0						
	18					50.8	43.2	7.3	35.9	47.0	0.0
418+18		95.7	19.8	77.5	0.0						
	32					80.3	68.3	11.7	56.6	71.3	0.0
418+50		39.9	21.5	42.9	0.0						
	50					70.5	59.9	19.9	40.0	76.9	0.0
419+00		36.2	21.1	40.2	0.0						
	50					45.8	38.9	19.6	19.3	47.8	0.7
419+50		13.2	22.4	11.4	0.7						
	50					28.4	24.2	20.7	3.5	21.1	1.5
420+00		17.5	20.6	11.4	0.9						
	50					31.1	26.4	19.1	7.3	21.1	1.7
420+50		16.1	17.8	11.4	1.0						
	50					30.9	26.3	16.5	9.8	10.6	1.9
421+00		17.3	18.0	0.0	1.1						
	50					41.2	35.0	16.7	18.3	0.0	1.9
421+50		27.1	14.4	0.0	1.0						
	50					60.2	51.2	13.3	37.8	0.0	1.8
422+00		37.9	10.9	0.0	1.0						
	50					76.1	64.6	10.1	54.5	0.0	1.8
422+50		44.3	10.6	0.0	1.0						
	50					77.7	66.0	9.8	56.2	0.0	1.7
423+00		39.6	8.9	0.0	0.9						
	50					61.1	51.9	8.2	43.7	0.0	1.8
423+50		26.3	9.5	0.0	1.0						
	50					39.3	33.4	8.8	24.6	5.2	1.9
424+00		16.1	9.1	5.6	1.1						
	50					21.3	18.1	8.5	9.6	10.2	2.1
424+50		6.9	10.2	5.5	1.2						
	50					12.4	10.6	9.5	1.1	10.1	2.3
425+00		6.5	13.0	5.4	1.3						
	50					16.0	13.6	12.1	1.6	9.8	2.1
425+50		10.8	9.4	5.2	1.0						
	50					18.8	16.0	8.7	7.3	8.6	1.3
426+00		9.6	5.1	4.1	0.4						
	33					8.0	6.8	3.1	3.7	3.2	0.3
426+33		3.5	0.0	1.1	0.0						

TOTAL REED ROAD (CU. YD.)

EARTH EXCAVATION				REMOVAL AND DISPOSAL OF UNSUITABLE MATERIALS	SUB-BASE GRANULAR MATERIAL, TYPE C
20200100				20201200	31102000
1792	1538	872	+666	476	81

FILE NAME =	USER NAME = eds	DESIGNED - JSM	REVISED -
		DRAWN - JSM	REVISED -
	PLOT SCALE = 1.0000 ' / IN.	CHECKED - DNM	REVISED -
	PLOT DATE = 5/1/2009	DATE - 5/1/09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EARTHWORK CALCULATIONS

SCALE: N.T.S. | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4075	08-00032-00-RS	MCHENRY	49	7
		CONTRACT NO. 63193		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

PAVEMENT SCHEDULE

STATION		AGGREGATE SUBGRADE, 12" (SQ YD)	AGGREGATE (PRIME COAT) (TON)	BITUMINOUS MATERIALS (PRIME COAT) (GAL)	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES (TON)	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 (TON)	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (TON)	STRIP REFLECTIVE CRACK CONTROL TREATMENT (FOOT)
		Z0001050	40600300	40600100	40601005	40603310	40603340	44300200
REED RD	400+00 TO 404+50	81	4	193	3	0	95	705
	404+50 TO 410+00	375	10	476		3	233	1650
	410+00 TO 415+50	745	9	444		5	217	1650
	415+50 TO 421+00	1,548	9	477		8	234	750
	421+00 TO 425+25	556	7	342		0	168	1275
	425+25 TO 426+33	110	2	85		0	42	327
	TOTAL	3,415	41	2,017	3	16	989	6,357

SUBGRADE SCHEDULE

STATION		POROUS GRANULAR EMBANKMENT, SUBGRADE (CU YD)	TRENCH BACKFILL (CU YD)	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION (SQ YD)	SUB-BASE GRANULAR MATERIAL, TYPE B 6" (SQ YD)	AGGREGATE BASE COURSE, TYPE B 8" (SQ YD)
		20700420	20800150	21001000	31101400	35102000
REED RD	400+00 TO 404+50		13			
	404+50 TO 410+00		2		17	
	410+00 TO 415+50		3			46
	415+50 TO 421+00	429	8	1,023	44	
	421+00 TO 425+25	35	51	200		
	425+25 TO 426+33	12	17	69		
	TOTAL	476	94	1,292	61	46

EROSION CONTROL SCHEDULE

STATION		EROSION CONTROL BLANKET (SQ YD)	TEMPORARY DITCH CHECKS (EACH)	INLET FILTERS (EACH)	SEDIMENT CONTROL, DRAINAGE STRUCTURE INLET FILTER CLEANING (EACH)	SEDIMENT CONTROL, SILT FENCE (FOOT)	SEDIMENT CONTROL, SILT FENCE MAINTENANCE (FOOT)
		25100630	28000300	28000510	X0323426	X0323973	X0323974
REED RD	400+00 TO 404+50	934	0	3	3	622	622
	404+50 TO 410+00	1,476	3	13	13	712	712
	410+00 TO 415+50	1,439	2	4	4	850	850
	415+50 TO 421+00	1,219	3	11	11	805	805
	421+00 TO 425+25	1,158	6	4	4	675	675
	425+25 TO 426+33	305	1	3	3	109	109
	TOTAL	6,531	15	38	38	3,773	3,773

REMOVAL SCHEDULE

STATION		PAVEMENT REMOVAL (SQ YD)	HOT-MIX ASPHALT SURFACE REMOVAL, 3/4" (SQ YD)	COMBINATION CURB AND GUTTER REMOVAL (FOOT)	HOT-MIX ASPHALT REMOVAL OVER PATCHES, 2" (SQ YD)	GUTTER OUTLET REMOVAL (FOOT)	HOT-MIX ASPHALT SURFACE REMOVAL BUTT JOINT (SQ YD)	BITUMINOUS BIKE PATH REMOVAL (SQ YD)
		44000100	44000152	44000500	44002208	44002600	40600982	XX004801
REED RD	400+00TO 404+50		945	255	25	30	420	
	404+50 TO 410+00		2,162	570				18
	410+00 TO 415+50		1,631	550				
	415+50 TO 421+00	768	1,037	573				43
	421+00 TO 425+25		1,280	425				
	425+25 TO 426+33		344	109			420	
	TOTAL	768	7,399	2,482	25	30	840	61

HMA BINDER COURSE, IL-19.0, N70

STATION	DISTANCE	END AREA	HMA BINDER
(XXX+XX)	(FT.)	(SQ. FT.)	(CU. YD.)
REED ROAD - VARIABLE DEPTH FOR OVERLAY SECTIONS			
402+15		0.0	
	35		0.8
402+50		1.2	
	50		15.3
403+00		15.4	
	50		36.2
403+50		23.7	
	50		49.2
404+00		29.4	
	50		54.8
404+50		29.8	
	50		52.6
405+00		27.0	
	50		50.8
405+50		27.9	
	18		19.2
405+68		29.9	
	32		27.8
406+00		17.1	
	50		30.6
406+50		15.9	
	50		29.1
407+00		15.6	
	50		28.5
407+50		15.2	
	50		28.2
408+00		15.3	
	50		30.4
408+50		17.5	
	50		33.0
409+00		18.1	
	50		35.7
409+50		20.5	
	50		37.3
410+00		19.8	
	50		32.9
410+50		15.7	
	50		27.5
411+00		14.0	
	50		25.2
411+50		13.2	
	50		24.4
412+00		13.2	
	50		25.5
412+50		14.3	
	50		26.6
413+00		14.4	
	50		25.7
413+50		13.3	
	50		23.1

HMA BINDER COURSE, IL-19.0, N70

STATION	DISTANCE	EARTH EXCAVATION	HMA BINDER
(XXX+XX)	(FT.)	(SQ. FT.)	(CU. YD.)
REED ROAD - VARIABLE DEPTH FOR OVERLAY SECTIONS			
414+00		11.6	
	50		22.6
414+50		12.8	
	50		22.8
415+00		11.9	
	50		22.1
415+50		12.0	
	50		21.4
416+00		11.1	
	50		21.9
416+50		12.6	
	50		24.2
417+00		13.5	
	50		12.5
417+50		0.0	
	50		0.0
418+00		0.0	
	18		0.0
418+18		0.0	
	32		0.0
418+50		0.0	
	50		13.7
419+00		14.8	
	50		24.1
419+50		11.2	
	50		21.7
420+00		12.2	
	50		22.6
420+50		12.2	
	50		25.7
421+00		15.6	
	50		29.5
421+50		16.2	
	50		28.9
422+00		15.0	
	50		26.7
422+50		13.9	
	50		26.6
423+00		14.8	
	50		30.2
423+50		17.8	
	50		34.8
424+00		19.8	
	50		37.7
424+50		21.0	
	50		37.4
425+00		19.4	
	50		30.5
425+50		13.5	
	50		16.7
426+00		4.6	
	33		4.6
426+33		3.0	

CONCRETE SCHEDULE

STATION		DETECTABLE WARNINGS (SQ FT)	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (FOOT)	PROTECTIVE COAT (SQ YD)
		42400800	60603800	42001300
REED RD	402+15 TO 404+50	0	490	109
	404+50 TO 410+00	31	1120	249
	410+00 TO 415+50	0	1100	244
	415+50 TO 421+00	33	1123	250
	421+00 TO 425+25	0	850	189
	425+25 TO 426+33	0	218	48
	TOTAL	64	4901	1089

TOTAL REED ROAD OVERLAY SECTION (CU. YD.) 1329
X 2.016 TON/ CU. YD.

TOTAL REED ROAD OVERLAY SECTION (TON) **2680**
TOTAL REED ROAD WIDENING SECTION (TON) **940**

HMA BINDER COURSE, IL-19.0, N70 (TON) **3620**

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USER NAME = eds
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PLOT DATE = 5/1/2009

DESIGNED - JSM
DRAWN - JSM
CHECKED - DNM
DATE - 5/1/09

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: N.T.S. | SHEET NO. 1 OF 2 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4075	08-00032-00-RS	MCHENRY	49	8
		CONTRACT NO. 63193		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

DRAINAGE STRUCTURES SCHEDULE

LOCATION		STRUCTURE NO.	PRC FLAR END SEC, 12"	PRC FLAR END SEC, 15"	CB TC T11F&G	CB TA 4 DIA T11F&G	RD CB 4 DIA T11F&G	INLETS TA T11F&G	INLETS TB T11F&G	CB ADJUST	RD INLETS TB T11F&G
STATION	OFFSET		54213657	54213660	60207905	60201105	60214700	60236800	60240310	60250200	
			EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH
REED ROAD											
402+00	37.3 RT	2	1								
402+50	35.2 RT	3	1								
402+50	19.0 RT	4			1						
402+85.97	17.14 LT	5								1	
403+85.93	17.16 LT	6								1	
404+87.33	17.24 LT	16								1	
405+35	19.0 RT	9						1			
405+50	37.0 RT	7	1								
405+50	19.0 RT	8					1				
405+50.84	31.6 LT	17							1		
405+85.66	31.4 LT	18				1					
407+00	35.7 RT	10	1								
407+00	19.0 RT	11			1						
407+47.12	17.63 LT	19								1	
408+65	35.7 RT	12	1								
408+65	19.0 RT	13			1						
409+83.43	17.20 LT	20								1	
410+00	35.7 RT	14	1								
410+00	19.0 RT	15			1						
412+10	38.1 RT	21		1							
412+45	37.8 RT	22		1							
412+50	35.7 RT	23	1								
412+50	19.0 RT	24			1						
412+69.78	17.52 LT	25								1	
417+00	32.6 RT	26	1								
417+00	19.0 RT	27			1						
417+70.42	17.36 LT	34								1	
417+97.89	32.6 LT	35							1		
418+12	19.0 RT	30						1			
418+27.45	33.3 RT	28	1								
418+27.45	19.0 RT	29					1				
418+34.77	34.2 LT	36				1					
418+55.84	19.11 LT	37								1	
419+50	19.0 RT	33						1			
420+00	34.2 RT	31	1								
420+00	19.0 RT	32					1				
422+29.72	16.83 LT	41								1	
422+30	34.7 RT	38	1								
422+30	19.0 RT	39					1				
424+00	19.0 RT	40									1
425+10.71	17.06 LT	42								1	
426+20	17.4 RT	43									1
426+30	17.1 RT	44						1			
426+30	17.0 LT	45						1			
		TOTAL:	11	2	6	2	4	5	2	10	2

DRAINAGE PIPES SCHEDULE

PIPE NO.	D/S STR. NO.	DOWNSTREAM STRUCTURE LOCATION		STORM SEW CL A 1, 12"	STORM SEW CL A 2, 12"	P CUL CL A 1, 15"	P UNDR FAB LINE TR, 4"
		STATION	OFFSET	550A0050	550A0340	542A0220	60109510
				FOOT	FOOT	FOOT	FOOT
REED ROAD							
1	1	400+32.32	31.94 RT		158		
2	3	402+50	35.2 RT	9			
3	7	405+50	37.0 RT	8			
4	8	405+50	19.0 RT	12			
5	10	407+00	35.7 RT	9			
6	12	408+65	35.7 RT	9			
7	14	410+00	35.7 RT	9			
8	21	412+10	38.1 RT			23	
9	23	412+50	35.7 RT	9			
10	26	417+00	32.6 RT	6			
11	28	418+27.45	33.3 RT	4			
12	29	418+27.45	19.0 RT	13			
13	31	420+00.00	34.2 RT	5			
14	32	420+00	19.0 RT	47			
15	38	422+30	34.7 RT	6			
16	39	422+30	19.0 RT	167			
17	40	424+00	19.0 RT	217			
18	43	426+20	17.4 RT	8			
19	42	425+10.71	17.06 LT	118			
A	29	418+27.45	19.0 RT				9
B	40	424+00	19.0 RT				9
			TOTAL:	656	158	23	18

LANDSCAPING SCHEDULE

STATION		TOPSOIL FURNISH AND PLACE, 4" (SQ YD)	SEEDING, CLASS 1A (ACRE)	SEEDING, CLASS 4B (ACRE)	NITROGEN FERTILIZER NUTRIENT (POUND)	PHOSPHORUS FERTILIZER NUTRIENT (POUND)	POTASSIUM FERTILIZER NUTRIENT (POUND)	SODDING (SQ YD)	SUPPLEMENTAL WATERING (UNIT)	TEMPORARY EROSION CONTROL SEEDING (POUND)
		21101615	25000110	25000314	25000400	25000500	25000600	25200100	25200200	28000250
REED RD	400+00 TO 404+50	1,470	0.2		24	24	24	536	8	19
	404+50 TO 410+00	2,690	0.3		43	43	43	1214	18	31
	410+00 TO 415+50	2,750	0.3		43	43	43	1311	20	30
	415+50 TO 421+00	2,441	0.2	0.1	34	34	34	1222	18	25
	421+00 TO 425+25	2,162	0.2		34	34	34	1004	15	24
	425+25 TO 426+33	560	0.1		9	9	9	255	4	6
	TOTAL	12,073	1.3	0.1	187	187	187	5,542	83	135

RIPRAP SCHEDULE

LOCATION		STRUCTURE NUMBER	PIPE SIZE	APRON LENGTH	UPSTREAM WIDTH	DOWNSTREAM WIDTH	THICKNESS	STONE RIPRAP CL A3	FILTER FABRIC
STATION	OFFSET		(IN)	(FT)	(FT)	(FT)	(IN)	(SQ YD)	(SQ YD)
								28100105	28200200
REED ROAD									
402+50	35.2 RT	3	12	10	9	9	15	10	10
405+50	37.0 RT	7	12	10	4.5	4.5	15	5	5
407+00	35.7 RT	10	12	10	6	6	15	7	7
408+65	35.7 RT	12	12	10	5	5	15	6	6
410+00	35.7 RT	14	12	10	6	6	15	7	7
412+10	38.1 RT	21	15	12	9	9	15	12	12
412+50	35.7 RT	23	12	10	6.5	6.5	15	8	8
417+00	32.6 RT	26	12	10	7	7	15	8	8
418+27.50	33.3 RT	28	12	10	5	8	15	8	8
420+00	34.2 RT	31	12	10	10	10	15	12	12
422+30	34.7 RT	38	12	10	8	8	15	9	9
							TOTAL:	92	92

PAVEMENT MARKING & SIGNING SCHEDULE

STATION		THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (SQ FT)	THERMOPLASTIC PAVEMENT MARKING - LINE 4" (FOOT)	THERMOPLASTIC PAVEMENT MARKING - LINE 6" (FOOT)	THERMOPLASTIC PAVEMENT MARKING - LINE 12" (FOOT)	PAINT PAVEMENT MARKING - LETTERS AND SYMBOLS (SQ FT)	PAINT PAVEMENT MARKING - LINE 4" (FOOT)	PAINT PAVEMENT MARKING - LINE 6" (FOOT)	PAINT PAVEMENT MARKING - LINE 12" (FOOT)	TELESCOPING STEEL SIGN SUPPORT (FOOT)	RELOCATE SIGN PANEL - TYPE 2 (SQ FT)
		78000100	78000200	78000400	78005150	78001100	78001110	78001130	78001150	72800100	72400100
REED RD	402+15 TO 415+00	36.4	4,728	224	238	36.4	4,728	224	238	75	31
	415+00 TO 426+33	36.4	4,029	268	142	36.4	4,029	268	142	15	12
	TOTAL	73	8,757	492	380	73	8,757	492	380	90	43

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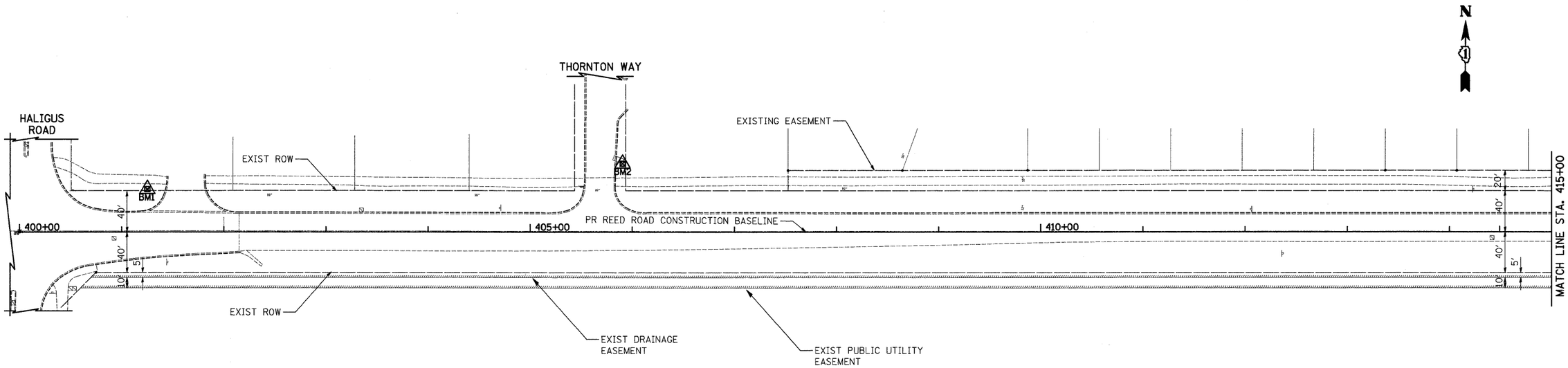
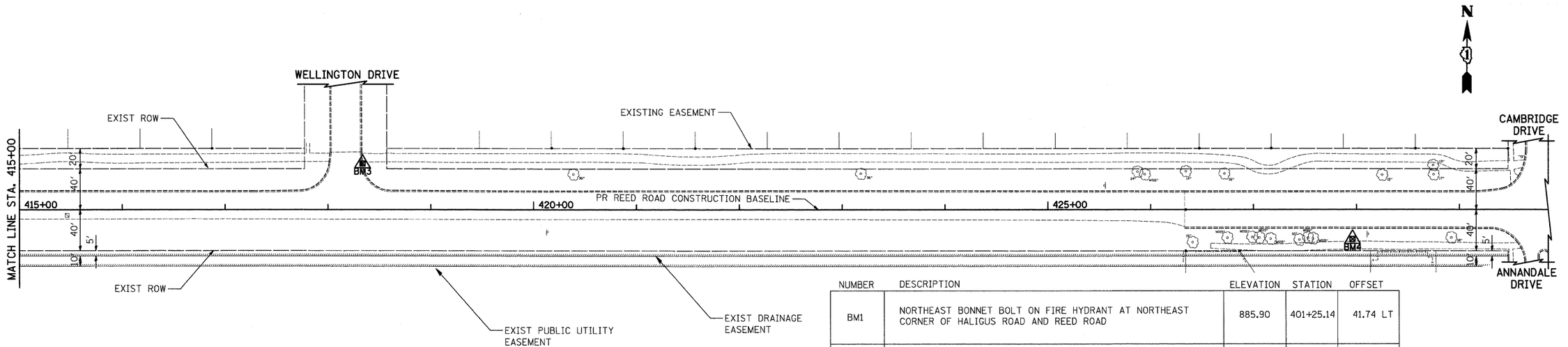
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: N.T.S. | SHEET NO. 2 OF 2 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4075	08-00032-00-RS	MCHENRY	49	9
		CONTRACT NO. 63193		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		





REED ROAD BASELINE

DESCRIPTION	STATION	NORTHING	EASTING
B.O.A.	400+00	2,009,217.9811	965,347.0964
E.O.A.	430+67.94	2,009,240.6685	968,414.9534

NUMBER	DESCRIPTION	ELEVATION	STATION	OFFSET
BM1	NORTHEAST BONNET BOLT ON FIRE HYDRANT AT NORTHEAST CORNER OF HALIGUS ROAD AND REED ROAD	885.90	401+25.14	41.74 LT
BM2	CHISELED SQUARE SOUTHEST CONER OF CONCRETE BASE OF SIGN AT THE NORTHEAST CORNER OF THORNTON WAY AND REED ROAD	885.59	405+90.52	66.89 LT
BM3	CUT CROSS IN THE TOP OF CURB AT THE NORTHEAST CORNER OF WELLINGTON DRIVE AND REED ROAD	887.72	418+33.61	45.17 LT
BM4	NAIL IN NORTH FACE OF POWER POLE ON THE SOUTH SIDE OF REED ROAD APPROXIMATELY 180 FEET WEST OF THE CENTERLINE OF ANNANDALE DRIVE.	895.88	427+96.01	28.82 RT

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REED ROAD
ALIGHNMENT, TIES AND BENCHMARKS

SCALE 1"=50' | SHEET NO. 1 OF 1 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4075	08-00032-00-RS	MCHENRY	49	10
		CONTRACT NO. 63193		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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SURVEYED
PLOTTED
ALIGNMENT CHECKED
DATA ENTERED
NOTE BOOK
NO.
CADD FILE NAME
BY
DATE

PROFILE
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BY
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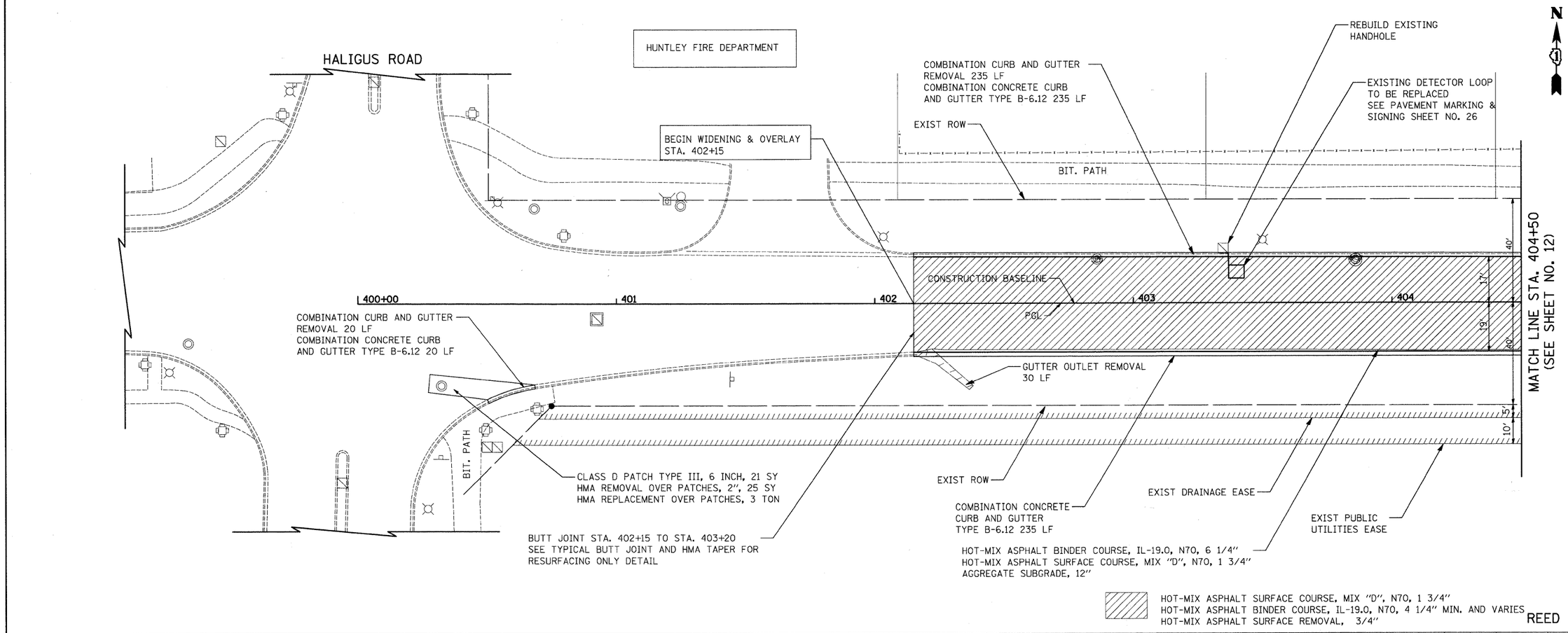

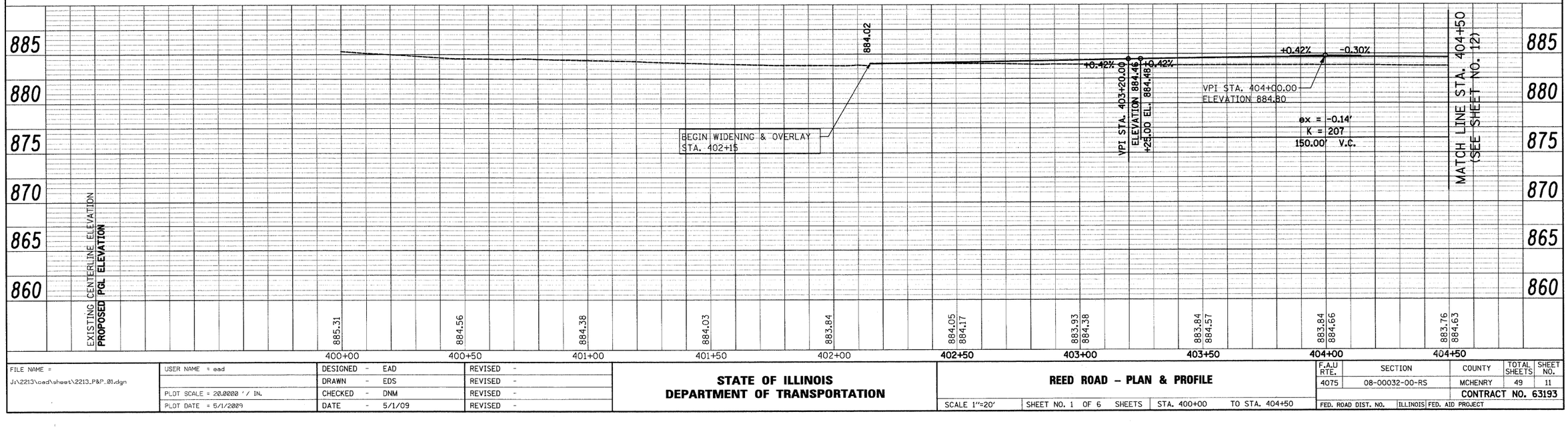

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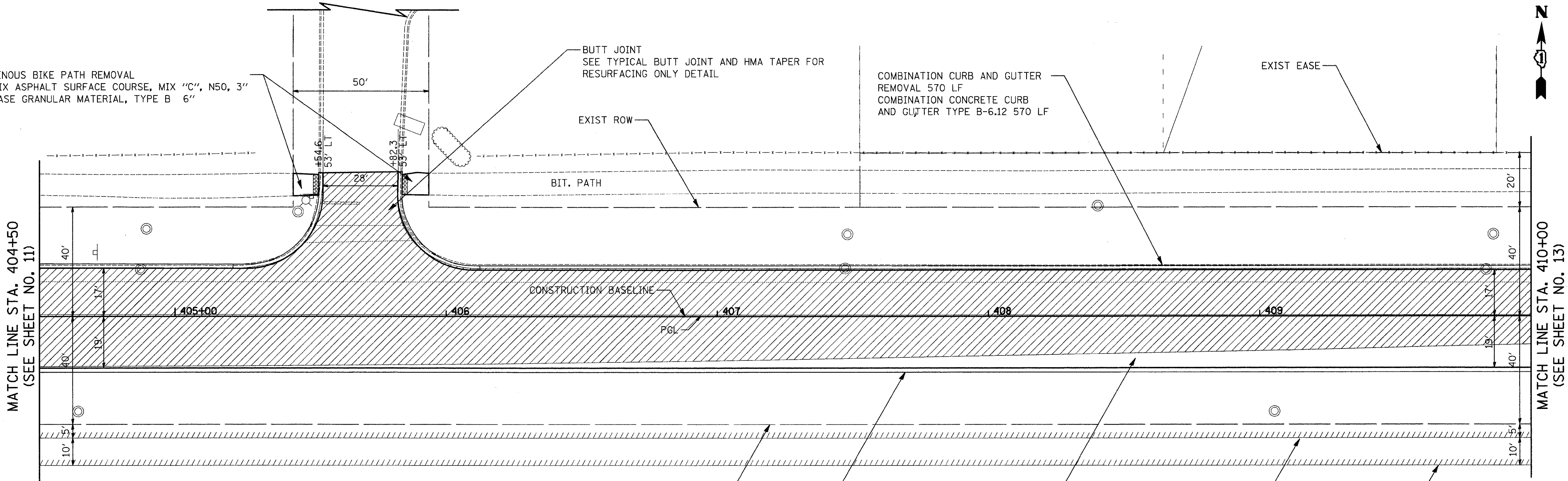
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REED ROAD – PLAN & PROFILE

SCALE 1"=20' | SHEET NO. 1 OF 6 SHEETS | STA. 400+00 TO STA. 404+50

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4075	08-00032-00-RS	MCHENRY	49	11
		CONTRACT NO. 63193		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



BITUMINOUS BIKE PATH REMOVAL
HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 3"
SUB-BASE GRANULAR MATERIAL, TYPE B 6"

BUTT JOINT
SEE TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY DETAIL

EXIST ROW

COMBINATION CURB AND GUTTER REMOVAL 570 LF
COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.12 570 LF

EXIST EASE

EXIST ROW

COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.12 550 LF

EXIST DRAINAGE EASE

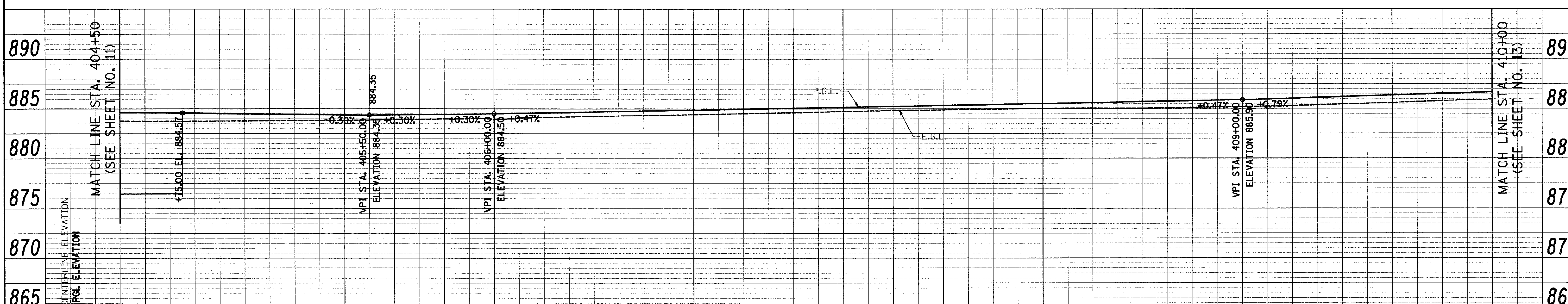
EXIST PUBLIC UTILITIES EASE

HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 6 1/4"
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1 3/4"
AGGREGATE SUBGRADE, 12"

DETECTABLE WARNINGS

HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1 3/4"
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 4 1/4" MIN. AND VARIES
HOT-MIX ASPHALT SURFACE REMOVAL, 3/4"

REED ROAD



Station	EXISTING CENTERLINE ELEVATION	PROPOSED PGL ELEVATION
404+50	883.76	884.63
405+00	883.77	884.50
405+50	883.86	884.35
406+00	883.94	884.50
406+50	884.28	884.73
407+00	884.52	884.97
407+50	884.77	885.20
408+00	884.97	885.43
408+50	885.04	885.67
409+00	885.21	885.90
409+50	885.53	886.29
410+00	885.97	886.69

PLAN: NOTE BOOK NO. ___ SURVEYED / PLOTTED / ALIGNMENT CHECKED / RT. OF WAY CHECKED / CADD FILE NAME — BY — DATE

PROFILE: NOTE BOOK NO. ___ SURVEYED / PLOTTED / GRADES CHECKED / B.M. NOTED / STRUCTURE NOTAT'NS CH'KD — BY — DATE

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

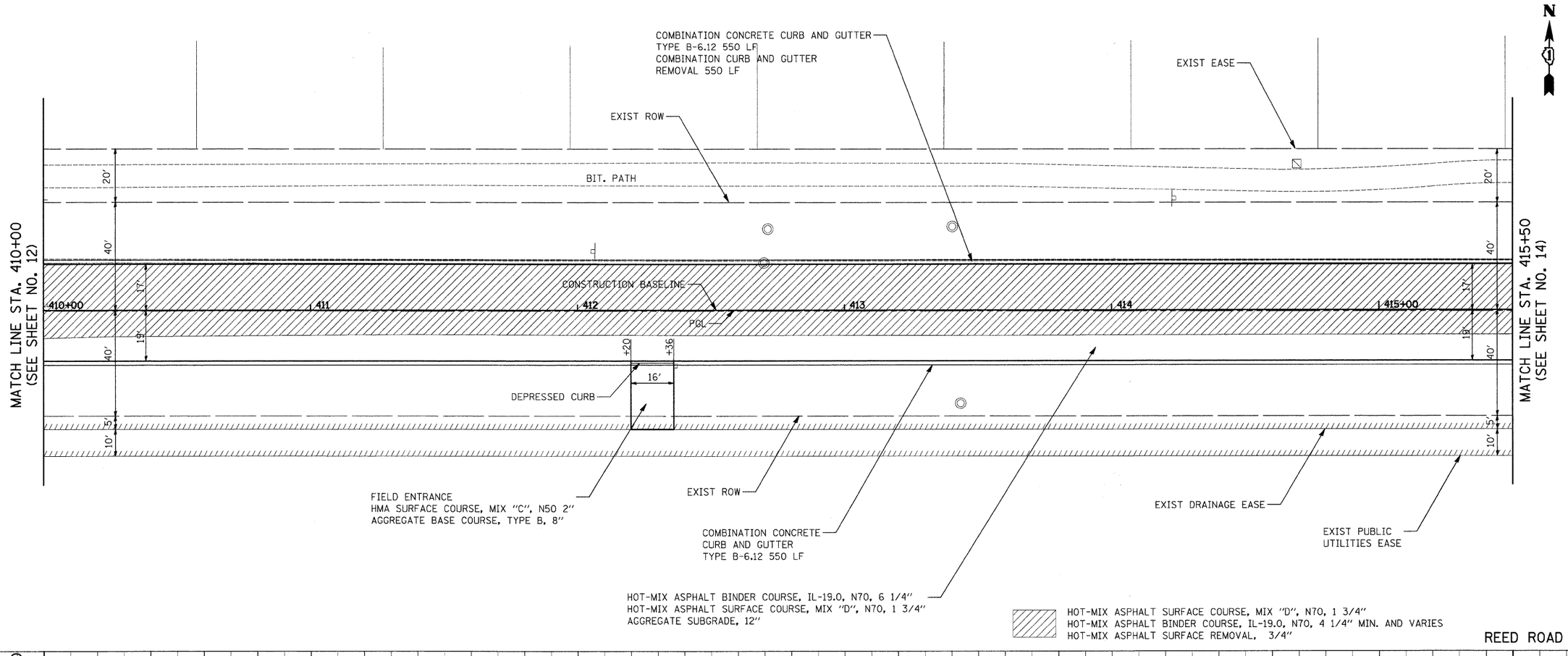
REED ROAD - PLAN & PROFILE

SCALE 1"=20' | SHEET NO. 2 OF 6 SHEETS | STA. 404+50 TO STA. 410+00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4075	08-00032-00-RS	MCHENRY	49	12

CONTRACT NO. 63193

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



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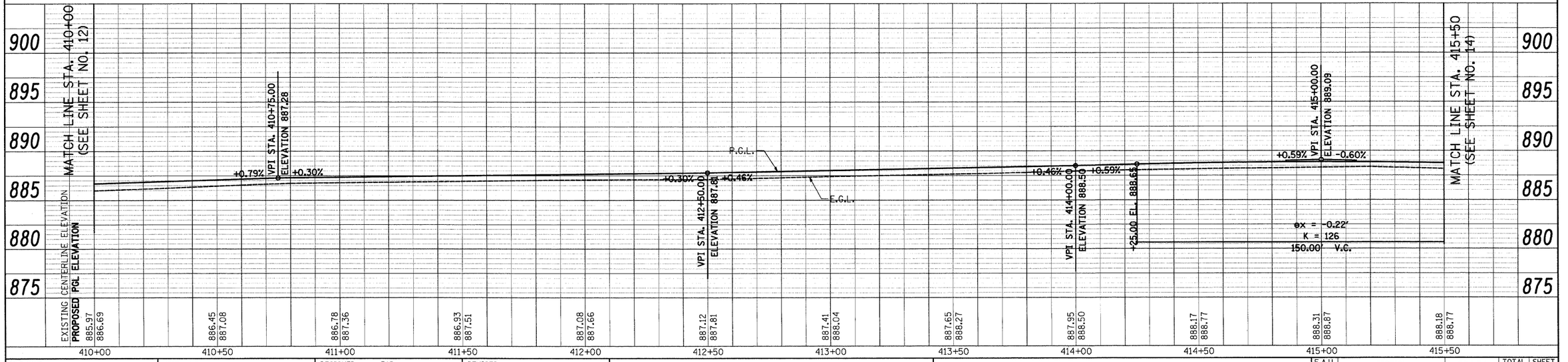

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	PLOT DATE = 5/1/2009	DATE - 5/1/09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REED ROAD – PLAN & PROFILE

SCALE 1"=20' | SHEET NO. 3 OF 6 SHEETS | STA. 410+00 | TO STA. 415+50

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4075	08-00032-00-RS	MCHENRY	49	13
		CONTRACT NO. 63193		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

WELLINGTON DRIVE

COMBINATION CONCRETE CURB AND GUTTER
TYPE B-6.12 573 LF
COMBINATION CONCRETE CURB AND GUTTER
REMOVAL 573 FT

BITUMINOUS BIKE PATH REMOVAL
HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 3"
SUB-BASE GRANULAR MATERIAL, TYPE B 6"

EXIST ROW

EXIST EASE

80'

+03.3 59' LT

431.5 59' LT

28'

BIT. PATH

BIT. PATH

20'

40'

17'

19'

40'

5'

10'

36"

MATCH LINE STA. 415+50
(SEE SHEET NO. 13)

MATCH LINE STA. 421+00
(SEE SHEET NO. 15)

CONSTRUCTION BASELINE

RECONSTRUCTION ENDS
STA. 419+00

416 417 418 419 420+00

PGL

RECONSTRUCTION BEGINS
STA. 417+00

EXIST ROW

PAVEMENT REMOVAL

EXIST DRAINAGE EASE

EXIST PUBLIC
UTILITIES EASE

COMBINATION CONCRETE
CURB AND GUTTER
TYPE B-6.12 550 LF

HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 6 1/4"
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1 3/4"
AGGREGATE SUBGRADE, 12"

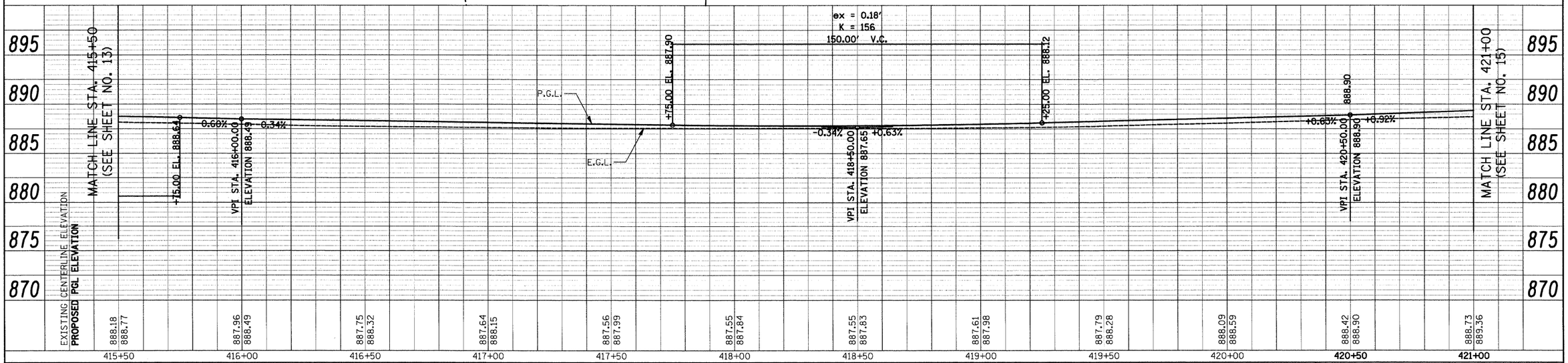
EXISTING
WETLAND LIMITS

PAVEMENT REMOVAL

DETECTABLE WARNINGS

HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1 3/4"
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 4 1/4" MIN. AND VARIES
HOT-MIX ASPHALT SURFACE REMOVAL, 3/4"

REED ROAD



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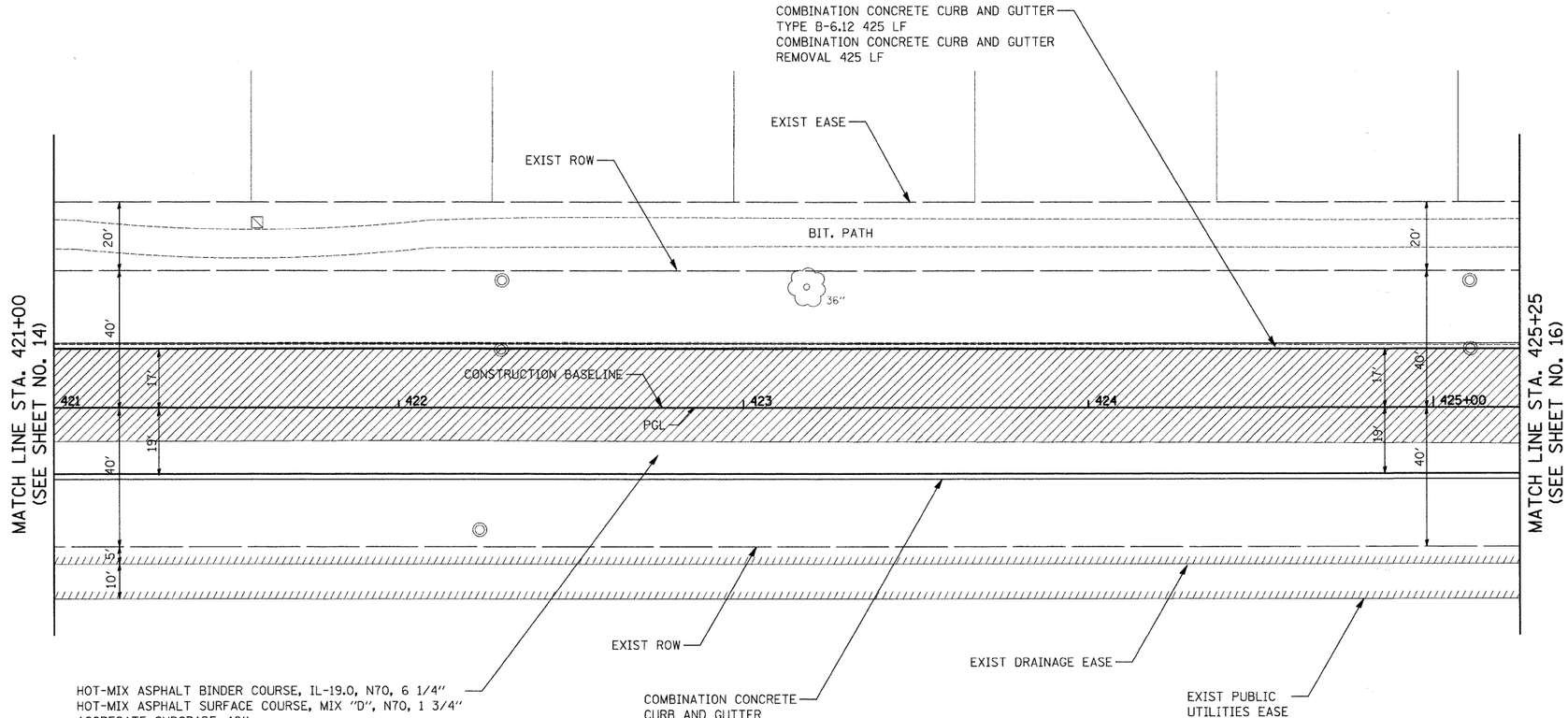
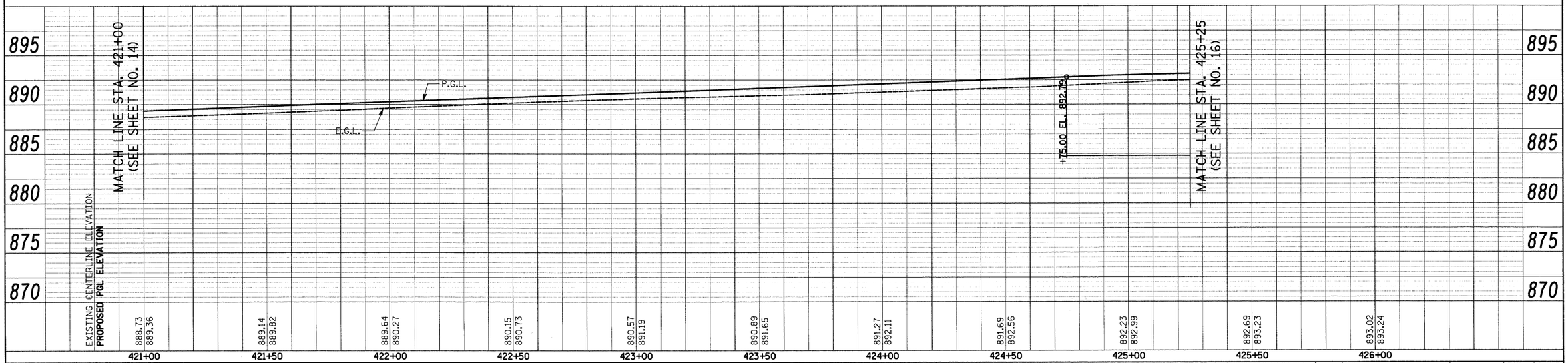
		DRAWN - EDS	REVISED -				4075	08-00032-00-RS	MCHENRY	49	14
	PLOT SCALE = 20.0000 ' / IN.	CHECKED - DNM	REVISED -						CONTRACT NO. 63193		
	PLOT DATE = 5/1/2009	DATE - 5/1/09	REVISED -		SCALE 1"=20'	SHEET NO. 4 OF 6 SHEETS	STA. 415+50	TO STA. 421+00	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT



HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1 3/4"
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 4 1/4" MIN. AND VARIES
HOT-MIX ASPHALT SURFACE REMOVAL, 3/4"

REED ROAD



PLAN
SURVEYED
PLOTTED
ALIGNMENT CHECKED
PVT. OF WAY CHECKED
NOTE BOOK
NO.
ROAD FILE NAME
BY
DATE

PROFILE
SURVEYED
PLOTTED
GRADES CHECKED
ELEV. NOTED
STRUCTURE NOTATING CHKD
NOTE BOOK
NO.
BY
DATE

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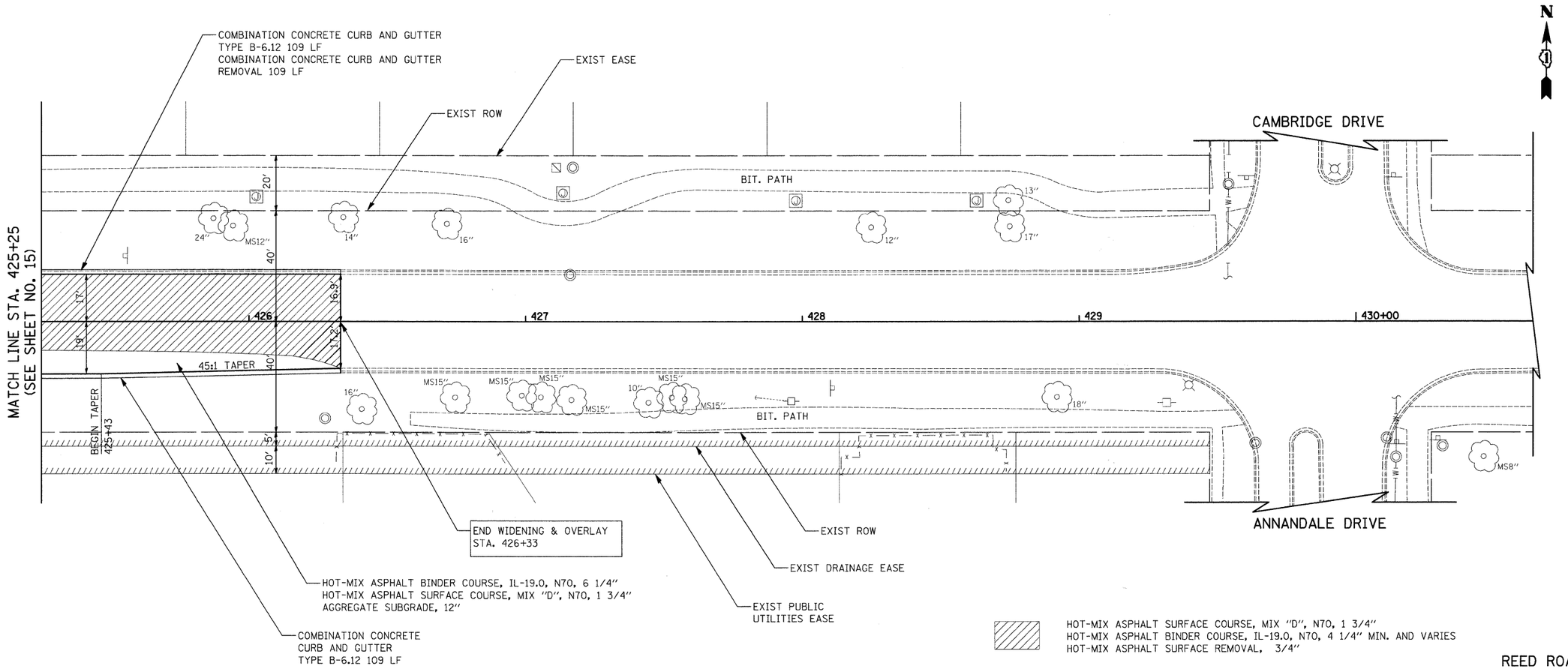
	PLOT DATE = 5/1/2009	DATE - 5/1/09	REVISED -

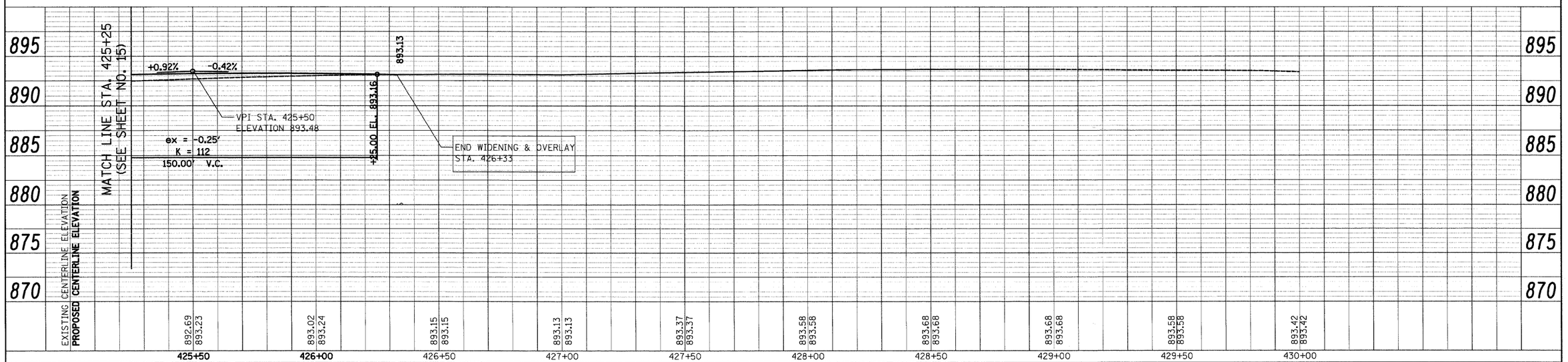
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REED ROAD – PLAN & PROFILE

SCALE 1"=20' | SHEET NO. 5 OF SHEETS | STA. 421+00 | TO STA. 425+25

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4075	08-00032-00-RS	MCHENRY	49	15
		CONTRACT NO. 63193		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		





PLAN — SURVEYED | DRAWN | ALIGNMENT CHECKED | R.T. OF WAY CHECKED | NOTE BOOK | CADD FILE NAME | NO. | BY | DATE

PROFILE — SURVEYED | DRAWN | GRADES CHECKED | B.M. NOTED | STRUCTURE NOTATIONS CHKD | NOTE BOOK | NO. | BY | DATE

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	PLOT DATE = 5/1/2009	DATE - 5/1/09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

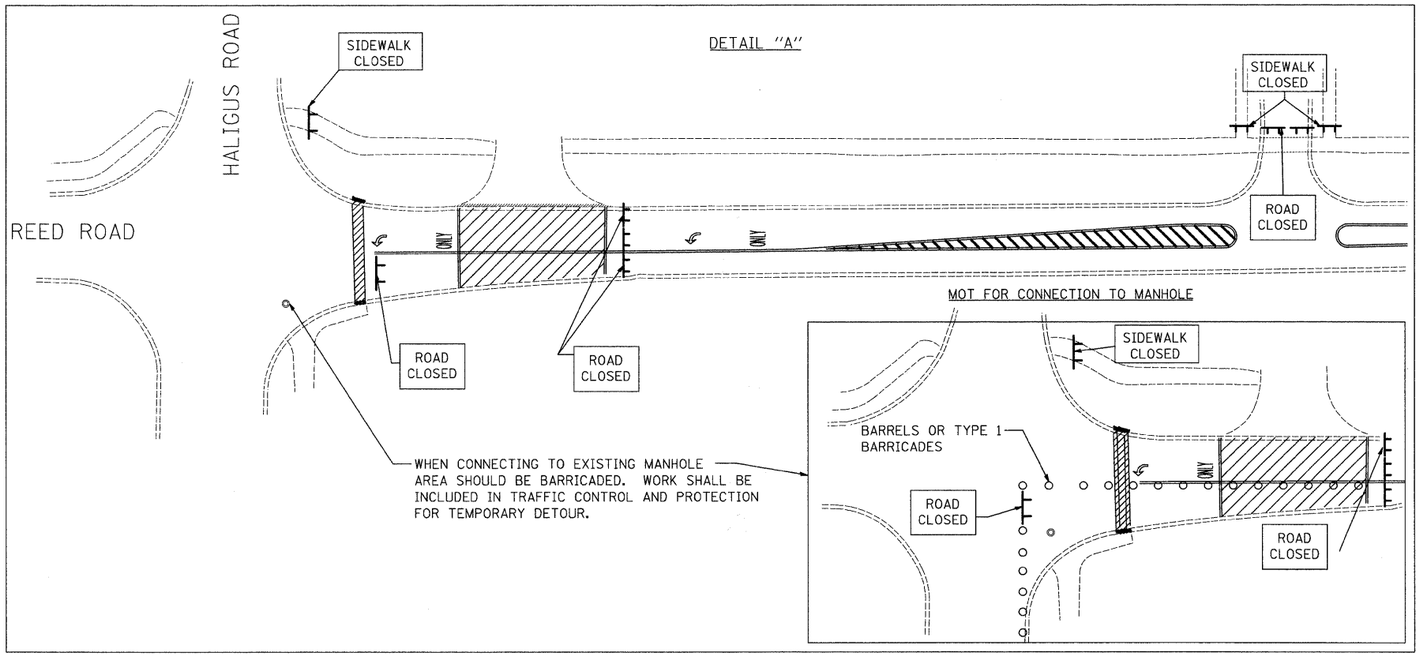
REED ROAD – PLAN & PROFILE

SCALE 1"=20' | SHEET NO. 6 OF 6 SHEETS | STA. 425+25 | TO STA. 430+00

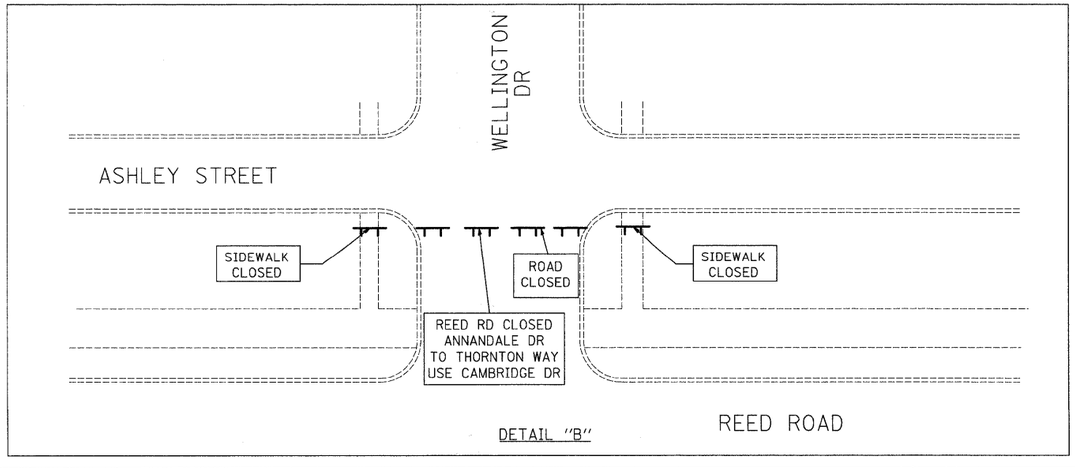
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4075	08-00032-00-RS	MCHENRY	49	16
		CONTRACT NO. 63193		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

DETOUR GENERAL NOTES

1. THE ENGINEER SHALL BE NOTIFIED IN WRITING AT LEAST ONE WEEK PRIOR TO THE DAY THE DETOUR IS TO BE IN EFFECT. THE CONTRACTOR SHALL CONTACT THE APPROPRIATE LOCAL AGENCIES AND INTERESTED PARTIES.
2. ALL SIGNING SHALL BE IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF THE STANDARD SPECIFICATIONS, THE DETAILS IN THESE PLANS, THE LATEST EDITION OF THE STATE OF ILLINOIS "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES," AND AS DIRECTED BY THE ENGINEER.
3. THE SIZES OF ALL SIGNS NOT SPECIFIED IN THESE PLANS SHALL BE AS REQUIRED BY THE ILLINOIS "MANUAL ON UNIFORM TRAFFIC CONTRL DEVICES."
4. ADDITIONAL SIGNING AND/OR BARRICADES DEEMED NECESSARY BY THE ENGINEER SHALL BE PROVIDED AND INSTALLED AT NO ADDITIONAL COST.
5. THE CONTRACTOR SHALL PROVIDE THE ENGINEER WITH THE NAMES AND PHONE NUMBERS OF HIS REPRESENTATIVES ON THE CONSTRUCTION SITE, AND HIS REPRESENTATIVE RESPONSIBLE FOR THE DETOUR SIGNING, PRIOR TO THE START OF WORK.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FIELD LOCATION OF ALL DETOUR AND CONSTRUCTION SIGNING. THE CONTRACTOR MAY REQUEST THE ENGINEER TO FIELD VERIFY THE POSITIONS OF ANY SIGNS.
7. ACTUAL LOCATIONS FOR SIGNING SHOWN ON THE DETOUR PLANS MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
8. ALL EXISTING SIGNING THAT IS NOT APPLICABLE WHILE THE DETOUR IS IN EFFECT SHALL BE COMPLETELY COVERED BY THE CONTRACTOR IN A MANNER MEETING THE APPROVAL OF THE ENGINEER.
9. ALL DETOUR SIGNING SHALL BE POST MOUNTED.
10. ALL DETOUR SIGNING EXCEPT REGULATORY SIGNS SHALL HAVE BLACK LEGENDS ON FLUORESCENT ORANGE SHEETING AND STANDARD BLACK BORDERS. THE FLUORESCENT ORANGE REFLECTIVE SHEETING SHALL MEET THE REQUIREMENTS OF ARTICLE 1106.01 OF THE STANDARD SPECIFICATIONS. ALL DETOUR SIGNING SHALL BE NEW OR IN LIKE-NEW CONDITION. THE ENGINEER SHALL BE THE SOLE JUDGE OF THE CONDITION OF THE SIGNS.
11. THE ROAD NAME SIGN SHALL BE A BLACK LEGEND ON ORANGE REFLECTIVE SHEETING. THE SIGN BLANK SHALL BE VARIABLE WITH DESIGN SERIES C LETTERS. THE CAPITAL LETTERS SHALL BE 6".
12. AT A MINIMUM, ALL AMBER FLASHING LIGHTS THAT ARE REQUIRED FOR THE DETOUR SIGNING SHALL MEET THE REQUIREMENTS FOR TYPE A-LOW INTENSITY FLASHING LIGHTS IN ARTICLE 1106.02 OF THE STANDARD SPECIFICATIONS. ALL LIGHTS SHALL OPERATE DURING HOURS OF DARKNESS. ONLY LIGHTS THAT HAVE BEEN APPROVED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION SHALL BE USED.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT ALL BARRICADES, SIGNS, LIGHTS AND OTHER DEVICES INSTALLED BY HIM ARE IN PLACE AND OPERATING 24 HOURS EACH DAY, INCLUDING SUNDAYS AND HOLIDAYS.
14. THE "ROAD CLOSED" (R11-2 & R11-4) SIGNS SHALL BE MOUNTED ON THE TYPE III BARRICADES. ALL TYPE III BARRICADES SHALL HAVE 2 AMBER TYPE A-LOW INTENSITY FLASHING LIGHTS SPACED NEAR THE CENTERLINES OF THE SUPPORTS.
15. THE TYPE III BARRICADES USED AT POINTS OF CLOSURE TO THRU TRAFFIC ONLY SHALL NOT EXCEED 8 FEET IN WIDTH EACH FOR A SINGLE APPROACH LANE. ALL BARRICADES AT THESE LOCATIONS SHALL HAVE REFLECTORIZED STRIPING ON THE BACK SIDES OF THE BARRICADES.
16. CONSTRUCTION EQUIPMENT SHALL NOT BE PARKED IMMEDIATELY BEHIND THE TYPE III BARRICADES DURING NON-WORKING HOURS. IN ANY EVENT, ARTICLE 701.11 OF THE STANDARD SPECIFICATIONS SHALL APPLY.
17. DURING NON-WORKING HOURS THE CONTRACTOR SHALL PROVIDE A MEANS TO RESTRAIN THE TYPE III BARRICADES FROM EASY MOVEMENT BY VANDALS. THE CHOSEN METHOD SHALL BE APPROVED BY THE ENGINEER.
18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE VISIBILITY OF ALL DETOUR AND CONSTRUCTION SIGNS, INCLUDING BRUSHING BACK VEGETATION IF DEEMED NECESSARY BY THE ENGINEER.
19. THE ENGINEER SHALL BE NOTIFIED AT LEAST 24 HOURS BEFORE THE ROAD IS TO BE REOPENED TO TRAFFIC. THE ENGINEER WILL CONTRACT THE APPROPRIATE LOCAL AGENCIES AND INTERESTED PARTIES.
20. THE COST OF THIS WORK FOR THE DETOUR SHALL BE INCLUDED IN THE UNIT PRICE FOR "TRAFFIC CONTROL AND PROTECTION FOR TEMPORARY DETOUR".
21. TRAFFIC CONTROL DEPICTED IN THESE PLANS AND THE APPLICABLE IDOT DETAILS AND STANDARDS ARE THE MINIMUM REQUIREMENTS. OTHER WORK OR SIGNING MAY BE REQUIRED BY THE ENGINEER. TRAFFIC CONTROL AND PROTECTION SHALL BE PERFORMED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS, DIVISION 700; APPLICABLE GUIDELINES IN THE ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS; AND APPLICABLE HIGHWAY STANDARDS FOR TRAFFIC CONTROL, UNLESS HEREIN REVISED.
22. THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND TRAFFIC CONTROL DEVICES SHALL FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.
23. ALL CONSTRUCTION SIGNS SHALL HAVE FLUORESCENT ORANGE BACKGROUNDS.
24. ALL SIGNS SHALL BE MOUNTED ON METAL POSTS, 7 FEET ABOVE THE EXISTING GROUND AND DRIVEN A MINIMUM OF 3 FEET INTO THE GROUND. A J.U.L.I.E. LOCATE SHALL BE PERFORMED PRIOR TO THE INSTALLATION OF THE POSTS.
25. THE FIRST WARNING SIGNS IN EACH DIRECTION OF TRAVEL SHALL BE EQUIPPED WITH MONO-DIRECTIONAL AMBER FLASHING LIGHTS DURING HOURS OF DARKNESS. FLAGS ARE OPTIONAL.



DETAIL "A"



DETAIL "B"

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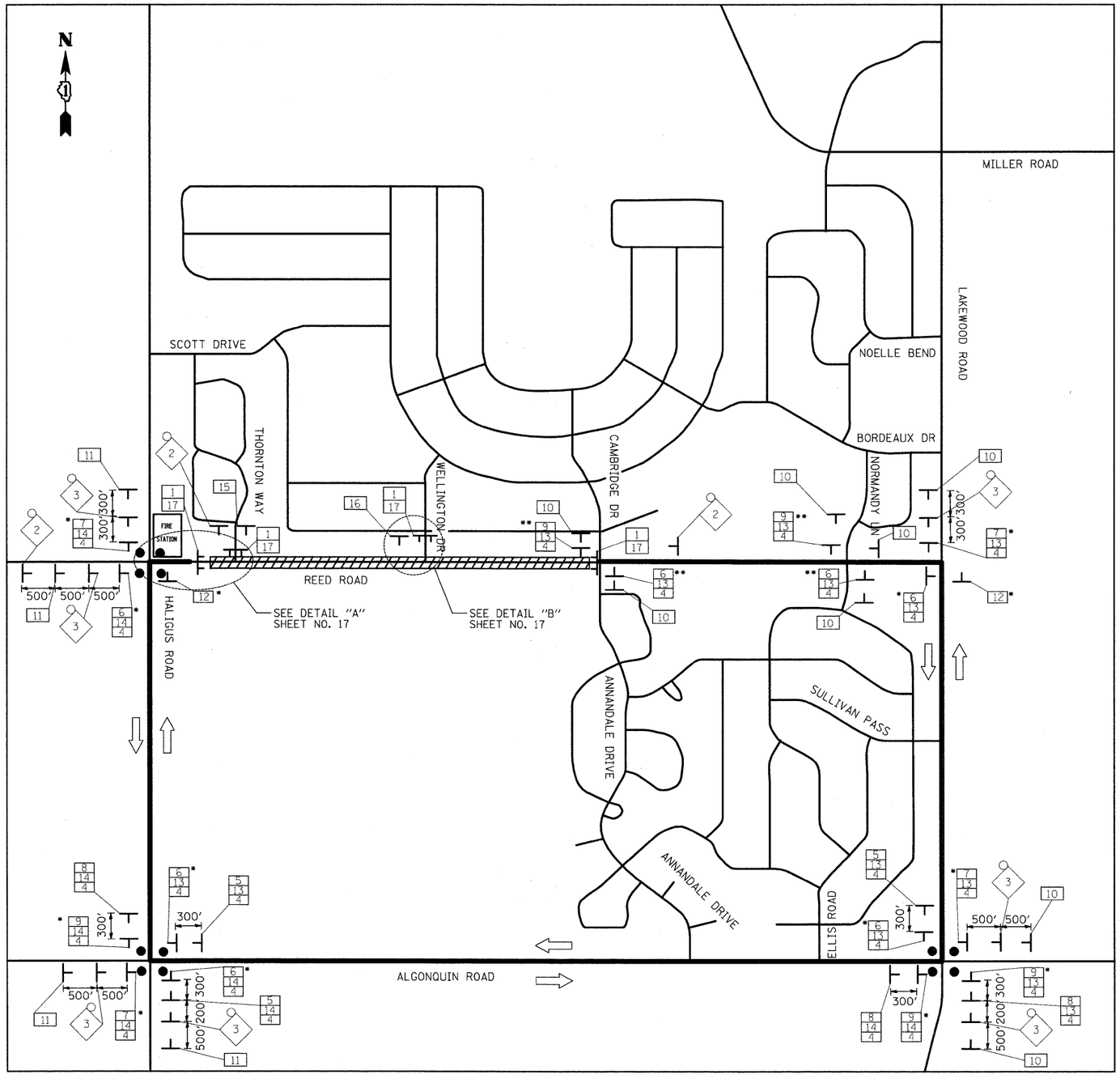
STATE OF ILLINOIS
DIVISION OF TRANSPORTATION

DETOUR GENERAL NOTES

SCALE: N.T.S. | SHEET NO. 1 OF 2 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4075	08-00032-00-RS	MCHENRY	49	17
		CONTRACT NO. 63193		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



LEGEND

- DETOUR ROUTE DIRECTION
- TYPE III BARRICADE WITH AMBER FLASHING LIGHTS
- WORK ZONE
- DETOUR ROUTE
- SIGN POST
- 48" X 48" CONSTRUCTION WARNING SIGN WITH AMBER FLASHING LIGHT (NUMBER DENOTES TYPE)
- M4-9 SERIES DETOUR SIGN WITH ROAD NAME & DIRECTION PLATES (NUMBER DENOTES TYPE)
- OTHER DETOUR SIGN (NUMBER DENOTES TYPE)
- SIGNALIZED INTERSECTION

NOTES

* PLACE AT INTERSECTION

** PLACE AT INTERSECTION AND SPACE EACH FOLLOWING SIGN 100' APART

SCHEDULE OF SIGNS

SIGN NO.		SIGN TYPE
1	ROAD CLOSED	R11-2(W)-4032
2	ROAD CLOSED AHEAD	W20-2(O)-48
3	DETOUR 500 FT	W20-2(O)-48
4	Reed Road	W17-1100-2412
5	DETOUR	M4-9R(O)-3030
6	DETOUR	M4-9R(O)-3024
7	DETOUR	M4-9(O)-3030
8	DETOUR	M4-9L(O)-3030
9	DETOUR	M4-9L(O)-3024
10	REED RD CLOSED ANNANDALE DR TO THORTON WAY	SPECIAL(O)-3642
11	REED RD CLOSED THORTON WAY TO ANNANDALE DR	SPECIAL(O)-3642
12	END DETOUR	M4-8a(O)-2418
13	WEST	M3-2(O)-2412
14	EAST	M3-2(O)-2412
15	REED RD CLOSED ANNANDALE DR TO THORNTON WAY USE HALIGUS ROAD	SPECIAL(O)-3648
16	REED RD CLOSED ANNANDALE DR TO THORNTON WAY USE CAMBRIDGE DR	SPECIAL(O)-3648
17	SIDEWALK CLOSED	R9-9(O)-3018

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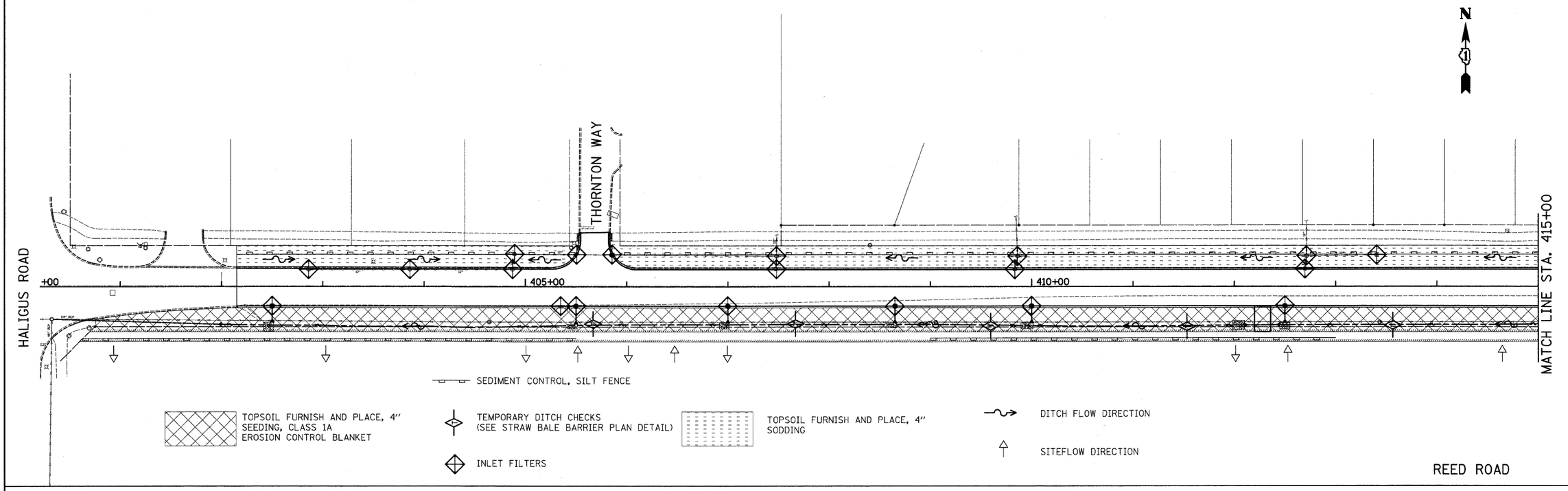
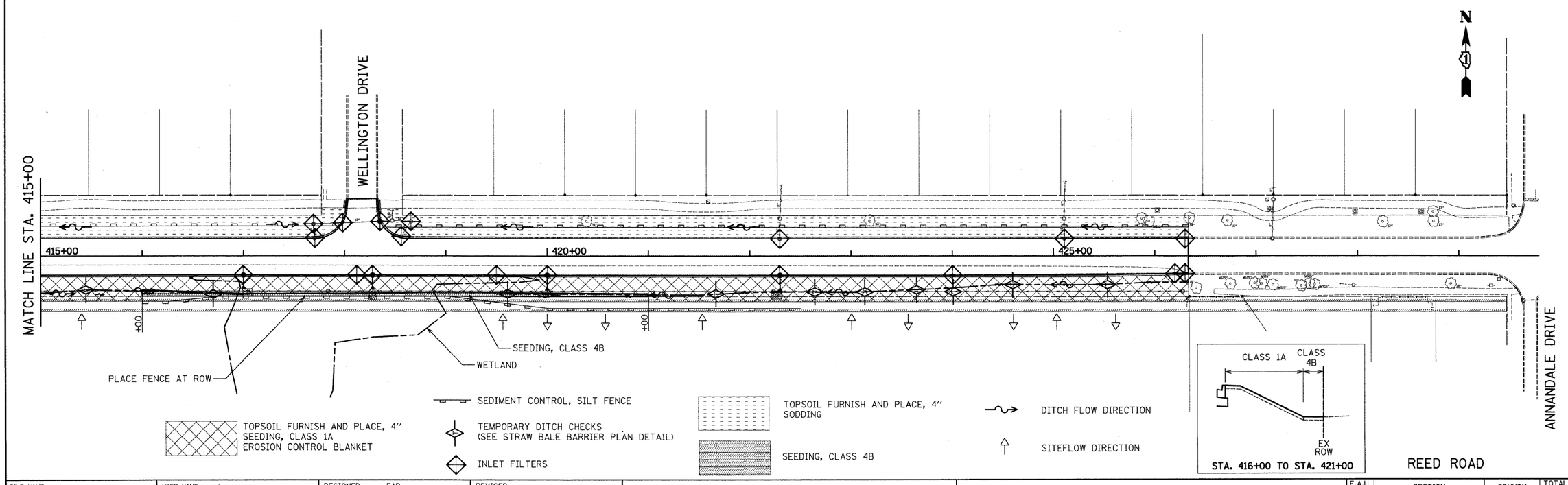
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETOUR PLAN - REED ROAD

SCALE: N.T.S. | SHEET NO. 2 OF 2 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4075	08-00032-00-RS	MCHENRY	49	18
		CONTRACT NO. 63193		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		





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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REED ROAD – LANDSCAPING AND EROSION CONTROL

SCALE: 1"=50' | SHEET NO. 1 OF 1 SHEETS | STA. 402+15 TO STA. 426+33

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4075	08-00032-00-RS	MCHENRY	49	19
		CONTRACT NO. 63193		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PLAN
SURVEYED
DRAWN
ALIGNMENT CHECKED
RT. OF WAY CHECKED
NOTE BOOK
NO.
DGN FILE NAME
DATE
BY

PROFILE
SURVEYED
DRAWN
GRADES CHECKED
B.M. NOTED
STRUCTURE NOTATIONS CHKD
NOTE BOOK
NO.
DATE
BY

HUNTLEY FIRE DEPARTMENT

HALIGUS ROAD

OVERLAY & WIDENING BEGINS
STA. 402+15

EXIST ROW

BIT. PATH

CONSTRUCTION BASELINE

PGL

400+00 | 401 | 402 | 403 | 404

MATCH LINE STA. 404+50
(SEE SHEET NO. 21)

40'
40'
5'
10'

1 STA. 400+32.32, 31.94' RT.
EXISTING MANHOLE
EX RIM = 884.71
EX INV = 872.31 (48" W)
EX INV = 872.41 (48" S)
EX INV = 872.41 (24" E)
PR INV = 878.36 (12" SE)

2 STA. 402+00, 37.3' RT.
PRC FLAR END SEC 12"
INV = 880.00 (12" NW)

3 STA. 402+50, 35.2' RT.
PRC FLAR END SEC 12"
INV = 880.64 (12" N)

4 STA. 402+50, 19.0' RT.
CB TC T11F&G
RIM = 883.79
INV = 880.79 (12" S)

5 STA. 402+85.97, 17.14' LT.
CB ADJUST
EX RIM = 883.38
PR RIM = 883.98

6 STA. 403+85.93, 17.16' LT.
CB ADJUST
EX RIM = 883.21
PR RIM = 884.31

EXIST ROW

EXIST DRAINAGE EASE

EXIST PUBLIC
UTILITIES EASE

(1) 158' - STORM SEW CL A 2, 12" @ 1.00%
T.B.F. = 12.3 CU. YD.

(2) 9' - STORM SEW CL A 1, 12" @ 1.00%
T.B.F. = 0.3 CU. YD.

REED ROAD

885
880
875
870
865
860

EXISTING CENTERLINE ELEVATION
PROPOSED POL ELEVATION

RECONSTRUCTION BEGINS
STA. 402+15

P.G.L.
E.G.L.
RT DITCH
24" EX STORM

MATCH LINE STA. 404+50
(SEE SHEET NO. 21)

RT DITCH PROFILE

401+50	402+00	402+50	403+00	403+50	404+00	404+50
XXX.XX	880.0	880.1	880.3	880.4	880.6	880.7
884.03	883.84	884.05 884.17	883.93 884.38	883.84 884.57	883.84 884.66	883.76 884.63

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	PLOT DATE = 5/1/2009	DATE - 5/1/09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REED ROAD – DRAINAGE AND UTILITIES

SCALE 1"=20' | SHEET NO. 1 OF 6 SHEETS | STA. 400+00 TO STA. 404+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4075	08-00032-00-RS	MCHENRY	49	20
		CONTRACT NO. 63193		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

7 STA. 405+50, 37.0' RT.
PRC FLAR END SEC 12"
INV = 881.00 (12" N)

8 STA. 405+50, 19.0' RT.
RD CB 4 DIA T11F&G
RIM = 883.97
INV = 881.14 (12" S)
INV = 881.24 (12" W)

9 STA. 405+35, 19.0' RT.
INLETS TA T11F&G
RIM = 884.02
INV = 881.36 (12" E)

10 STA. 407+00, 35.7' RT.
PRC FLAR END SEC 12"
INV = 881.94 (12" N)

11 STA. 407+00, 19.0' RT.
CB TC T11F&G
RIM = 884.59
INV = 882.09 (12" S)

12 STA. 408+65, 35.7' RT.
PRC FLAR END SEC 12"
INV = 882.71 (12" N)

13 STA. 408+65, 19.0' RT.
CB TC T11F&G
RIM = 885.36
INV = 882.86 (12" S)

14 STA. 410+00, 35.7' RT.
PRC FLAR END SEC 12"
INV = 883.66 (12" N)

15 STA. 410+00, 19.0' RT.
CB TC T11F&G
RIM = 886.31
INV = 883.81 (12" S)

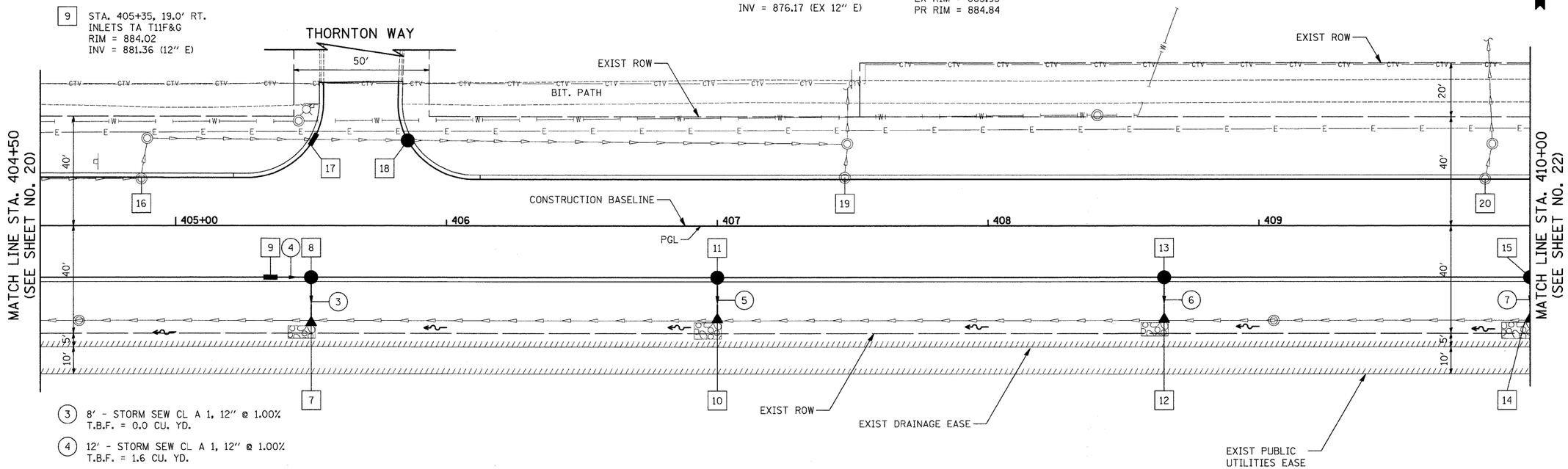
16 STA. 404+87.33, 17.24' LT.
CB ADJUST
EX RIM = 882.98
PR RIM = 884.20

17 STA. 405+50.84, 31.6' LT.
INLETS TB T11F&G
RIM = 883.08
INV = 876.18 (EX 12" W)
INV = 876.17 (EX 12" E)

18 STA. 405+85.66, 31.4' LT.
CB TA 4 DIA T11F&G
RIM = 883.34
INV = 876.10 (EX 12" W)
INV = 876.09 (EX 12" E)

19 STA. 407+47.12, 17.63' LT.
CB ADJUST
EX RIM = 883.93
PR RIM = 884.84

20 STA. 409+83.43, 17.20' LT.
CB ADJUST
EX RIM = 885.25
PR RIM = 886.22



(3) 8' - STORM SEW CL A 1, 12" @ 1.00%
T.B.F. = 0.0 CU. YD.

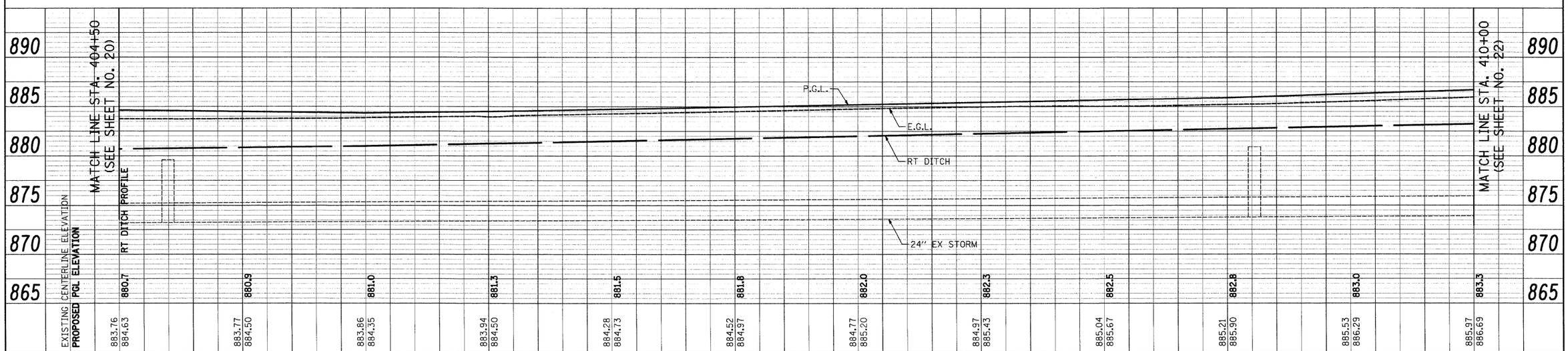
(4) 12' - STORM SEW CL A 1, 12" @ 1.00%
T.B.F. = 1.6 CU. YD.

(5) 9' - STORM SEW CL A 1, 12" @ 1.00%
T.B.F. = 0.3 CU. YD.

(6) 9' - STORM SEW CL A 1, 12" @ 1.00%
T.B.F. = 0.3 CU. YD.

(7) 9' - STORM SEW CL A 1, 12" @ 1.00%
T.B.F. = 0.3 CU. YD.

REED ROAD



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		DRAWN - EDS	REVISED -					
	PLOT SCALE = 20.0000 ' / IN.	CHECKED - DNM	REVISED -		SCALE 1"=20'	SHEET NO. 2 OF 6 SHEETS	STA. 404+50 TO STA. 410+00	
	PLOT DATE = 5/1/2009	DATE - 5/1/09	REVISED -					

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4075	08-00032-00-RS	MCHENRY	49	21
		CONTRACT NO. 63193		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PLAN — SURVEYED / PLOTTED / ALIGNMENT CHECKED / RT. OF WAY CHECKED / CADD FILE NAME / NOTE BOOK / NO. / BY / DATE

PROFILE — SURVEYED / PLOTTED / GRADES CHECKED / R.W. NOTED / STRUCTURE NOTATIONS CKD / NOTE BOOK / NO. / BY / DATE

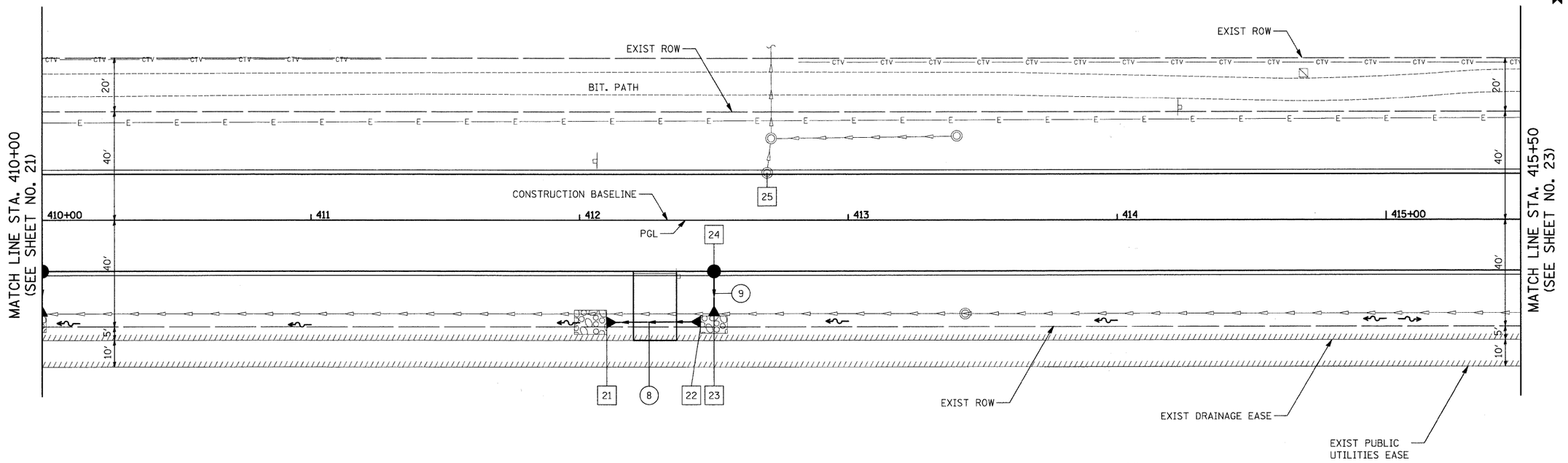
21 STA. 412+10, 38.1' RT.
PRC FLAR END SEC 15"
INV = 884.30 (15" E)

22 STA. 412+45, 37.8' RT.
PRC FLAR END SEC 15"
INV = 884.48 (15" W)

23 STA. 412+50, 35.7' RT.
PRC FLAR END SEC 12"
INV = 884.78 (12" N)

24 STA. 412+50, 19.0' RT.
CB TC T11F&G
RIM = 887.43
INV = 884.93 (12" S)

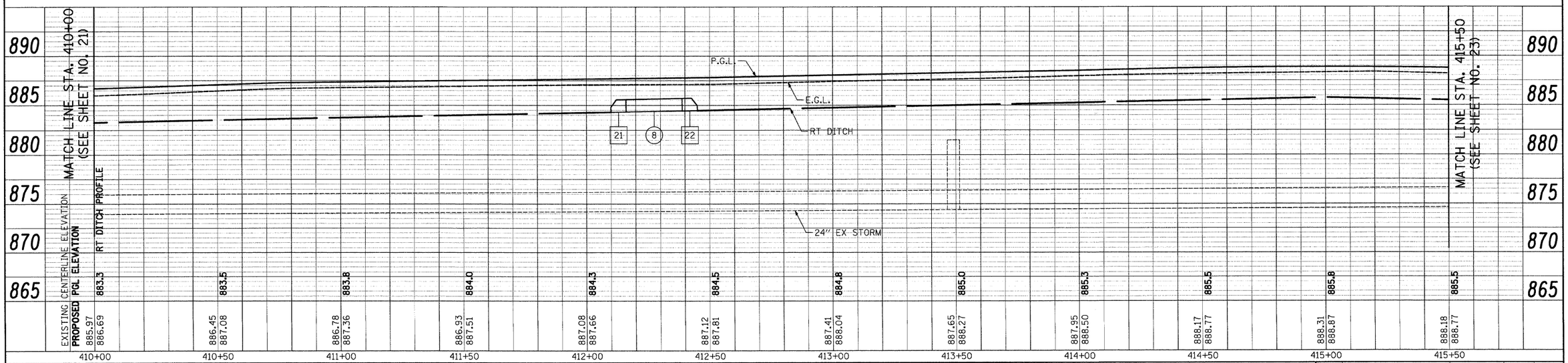
25 STA. 412+69.78, 17.52' LT.
CB ADJUST
EX RIM = 886.75
PR RIM = 487.55



8 23' - P CUL CL A 1, 15" @ 0.50%
T.B.F. = 2.5 CU. YD.

9 9' - STORM SEW CL A 1, 12" @ 1.00%
T.B.F. = 0.3 CU. YD.

REED ROAD



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R.M. NOTED
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NOTE BOOK
NO.
BY
DATE

PROFILE
SURVEYED
DRAWN
GRADES CHECKED
R.M. NOTED
STRUCTURE NOTA/FNC CK'KD
NOTE BOOK
NO.
BY
DATE

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	PLOT DATE = 5/1/2009	DATE - 5/1/09	REVISED -

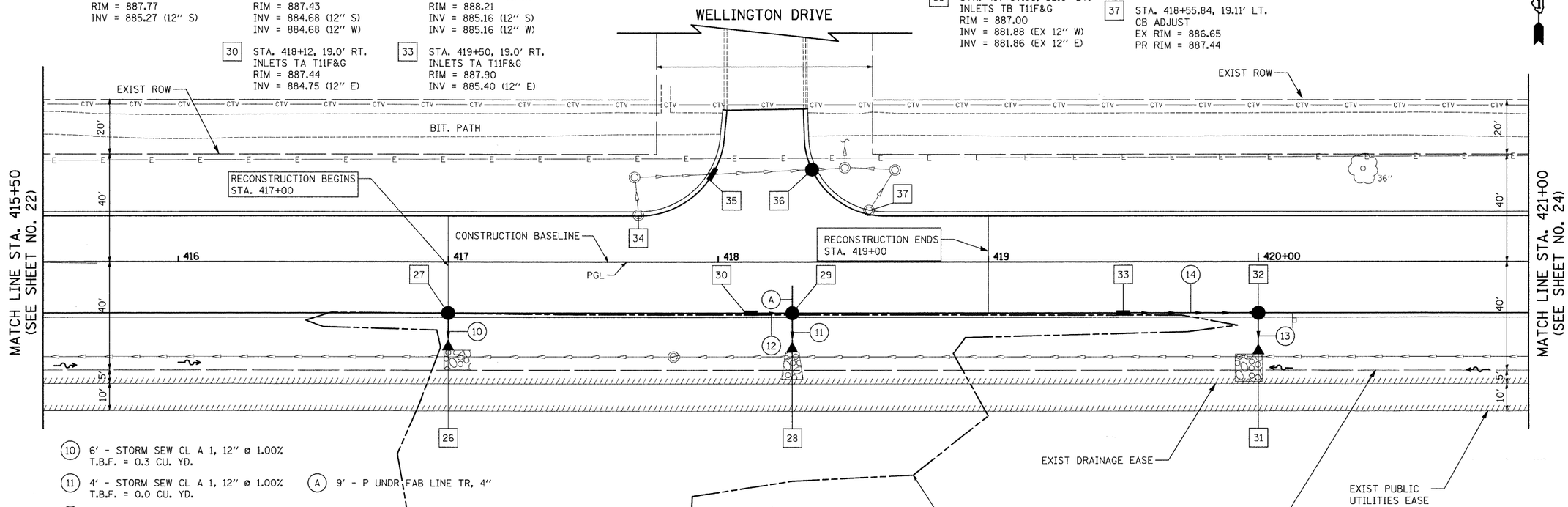
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REED ROAD – DRAINAGE AND UTILITIES

SCALE 1"=20' | SHEET NO. 3 OF 6 SHEETS | STA. 410+00 | TO STA. 415+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4075	08-00032-00-RS	MCHENRY	49	22
		CONTRACT NO. 63193		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

26	STA. 417+00, 32.6' RT. PRC FLAR END SEC 12" INV = 885.15 (12" N)	
27	STA. 417+00, 19.0' RT. CB TC T11F&G RIM = 887.77 INV = 885.27 (12" S)	
28	STA. 418+27.45, 33.3' RT. PRC FLAR END SEC 12" INV = 884.58 (12" N)	
29	STA. 418+27.45, 19.0' RT. RD CB 4 DIA T11F&G RIM = 887.43 INV = 884.68 (12" S) INV = 884.68 (12" W)	
30	STA. 418+12, 19.0' RT. INLETS TA T11F&G RIM = 887.44 INV = 884.75 (12" E)	
31	STA. 420+00, 34.2' RT. PRC FLAR END SEC 12" INV = 885.05 (12" N)	
32	STA. 420+00, 19.0' RT. RD CB 4 DIA T11F&G RIM = 888.21 INV = 885.16 (12" S) INV = 885.16 (12" W)	
33	STA. 419+50, 19.0' RT. INLETS TA T11F&G RIM = 887.90 INV = 885.40 (12" E)	
34	STA. 417+70.42, 17.36' LT. CB ADJUST EX RIM = 886.83 PR RIM = 887.55	
35	STA. 417+97.89, 32.6' LT. INLETS TB T11F&G RIM = 887.00 INV = 881.88 (EX 12" W) INV = 881.86 (EX 12" E)	
36	STA. 418+34.77, 34.2' LT. CB TA 4 DIA T11F&G RIM = 887.00 INV = 881.54 (EX 12" W) INV = 881.50 (EX 12" E)	
37	STA. 418+55.84, 19.11' LT. CB ADJUST EX RIM = 886.65 PR RIM = 887.44	



(10) 6' - STORM SEW CL A 1, 12" @ 1.00%
T.B.F. = 0.3 CU. YD.

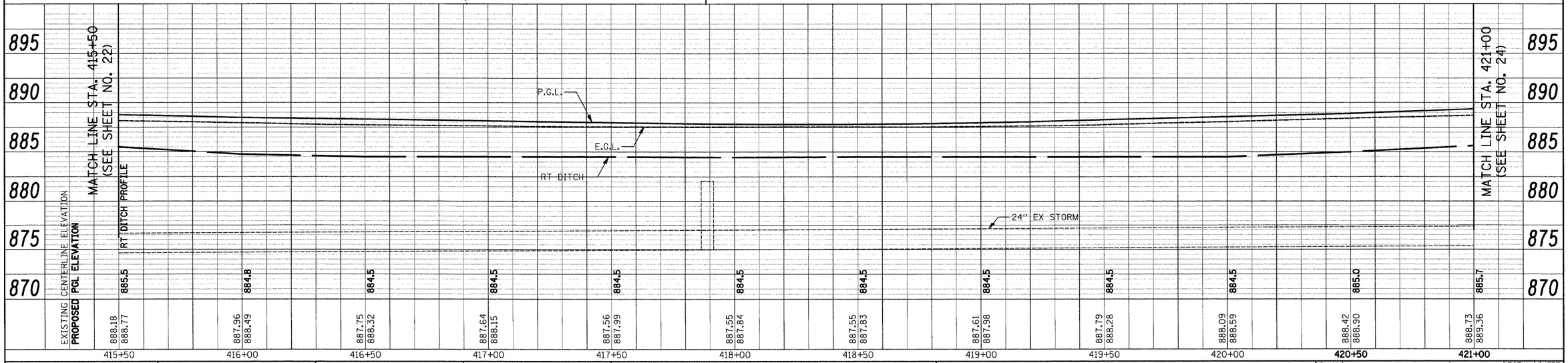
(11) 4' - STORM SEW CL A 1, 12" @ 1.00%
T.B.F. = 0.0 CU. YD.

(12) 13' - STORM SEW CL A 1, 12" @ 0.50%
T.B.F. = 1.8 CU. YD.

(13) 5' - STORM SEW CL A 1, 12" @ 1.00%
T.B.F. = 0.0 CU. YD.

(14) 47' - STORM SEW CL A 1, 12" @ 0.50%
T.B.F. = 6.3 CU. YD.

(A) 9' - P UNDR FAB LINE TR, 4"



PLAN
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ADDED
ALIGNMENT CHECKED
ET. MAP CHECKED
CADD FILE NAME
NOTE BOOK
NO.
DATE
BY

PROFILE
SURVEYED
ADDED
GRADES CHECKED
R.M. NOTED
STRUCTURE NOTATNS CKHD
NOTE BOOK
NO.
DATE
BY

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	PLOT DATE = 5/1/2009	DATE - 3/13/09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REED ROAD – DRAINAGE AND UTILITIES

SCALE 1"=20' | SHEET NO. 4 OF 6 SHEETS | STA. 415+50 TO STA. 421+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4075	08-00032-00-RS	MCHENRY	49	23
		CONTRACT NO. 63193		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

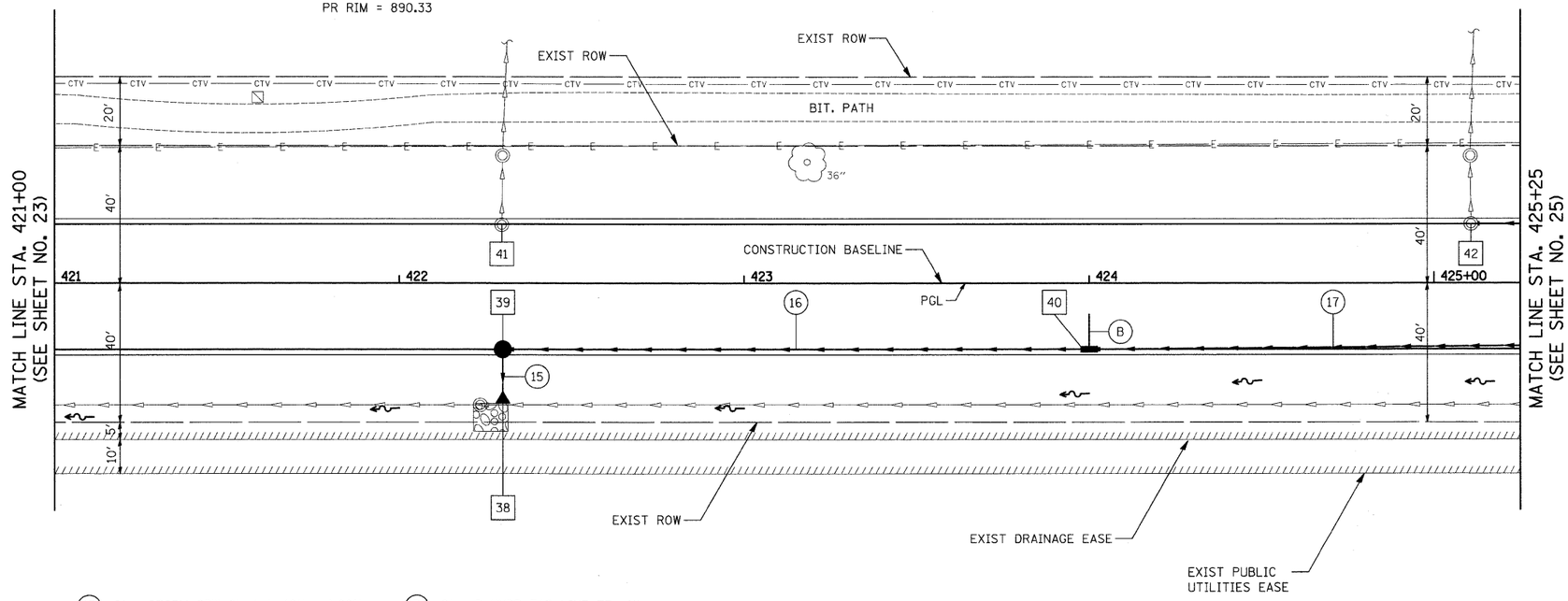
38 STA. 422+30, 34.7' RT.
PRC FLAR END SEC 12"
INV = 887.05 (12" N)

39 STA. 422+30, 19.0' RT.
RD CB 4 DIA T11F&G
RIM = 890.17
INV = 887.27 (12" E)
INV = 887.17 (12" S)

40 STA. 424+00, 19.0' RT.
RD INLETS TB T11F&G
RIM = 891.73
INV = 888.52 (12" W)
INV = 888.62 (12" E)

41 STA. 422+29.72, 16.83' LT.
CB ADJUST
EX RIM = 889.52
PR RIM = 890.33

42 STA. 425+10.71, 17.06' LT.
CB ADJUST
EX RIM = 891.88
PR RIM = 892.72
EX INV = 885.98 (12" N)
PR INV = 889.21 (12" E)



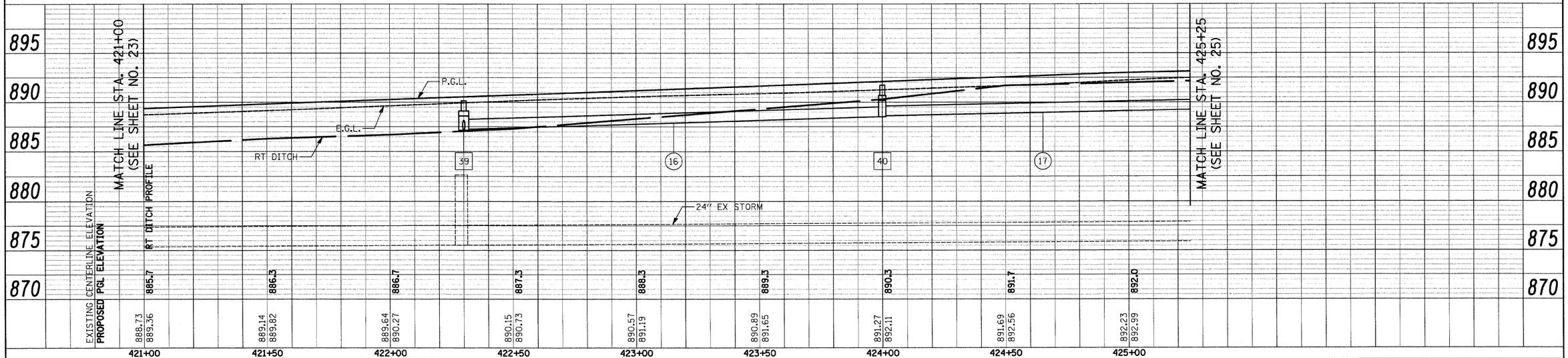
(15) 6' - STORM SEW CL A 1, 12" ø 1.00%
T.B.F. = 0.0 CU. YD.

(16) 167' - STORM SEW CL A 1, 12" ø 0.75%
T.B.F. = 22.1 CU. YD.

(17) 217' - STORM SEW CL A 1, 12" ø 0.50%
T.B.F. = 28.7 CU. YD.

(B) 9' - P UNDR FAB LINE TR, 4"

REED ROAD



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REED ROAD – DRAINAGE AND UTILITIES

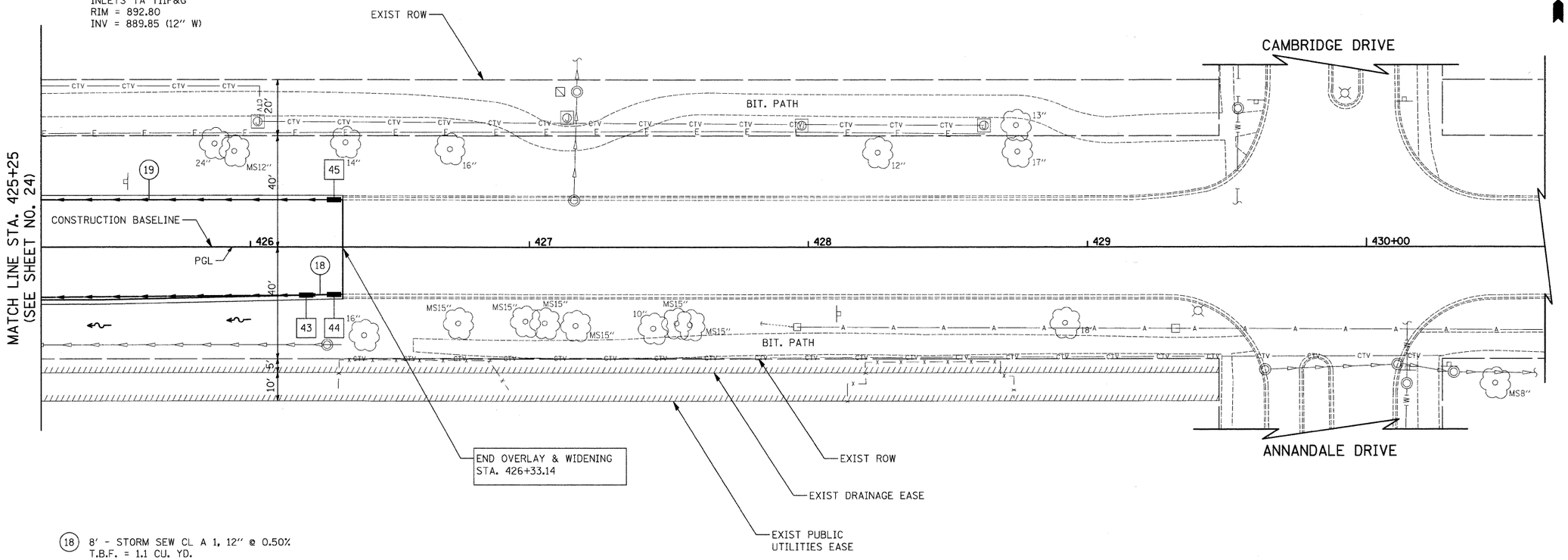
SCALE 1"=20' | SHEET NO. 5 OF SHEETS | STA. 421+00 TO STA. 425+25

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4075	08-00032-00-RS	MCHENRY	49	24
		CONTRACT NO. 63193		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

43 STA. 426+20, 17.4' RT.
RD INLETS TB T11F&G
RIM = 892.83
INV = 889.71 (12" W)
INV = 889.81 (12" E)

44 STA. 426+30, 17.1' RT.
INLETS TA T11F&G
RIM = 892.80
INV = 889.85 (12" W)

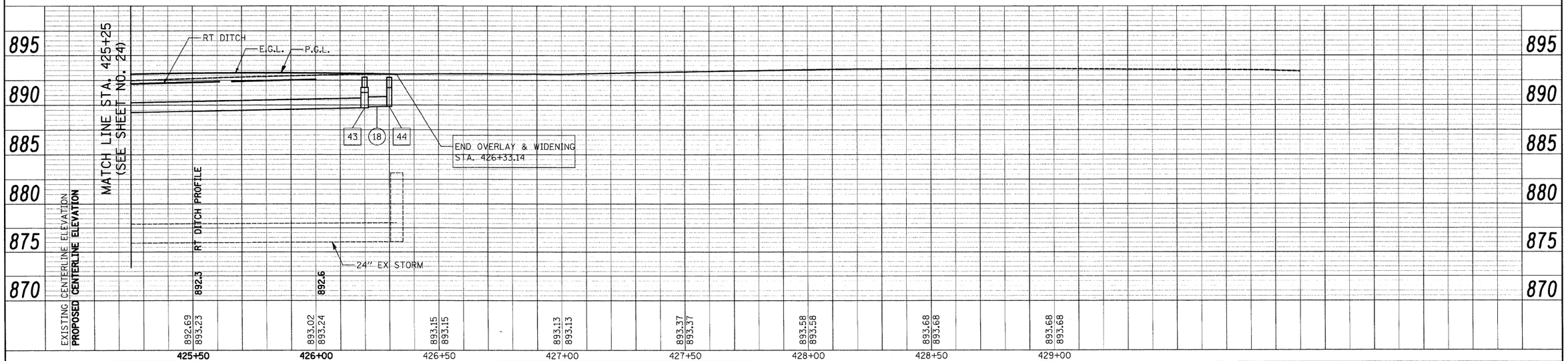
45 STA. 426+30, 17.0' LT.
INLETS TA T11F&G
RIM = 892.80
INV = 889.80 (12" W)



(18) 8' - STORM SEW CL A 1, 12" @ 0.50%
T.B.F. = 1.1 CU. YD.

(19) 118' - STORM SEW CL A 1, 12" @ 0.50%
T.B.F. = 15.6 CU. YD.

REED ROAD



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	PLOT DATE = 5/1/2009	DATE - 5/1/09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

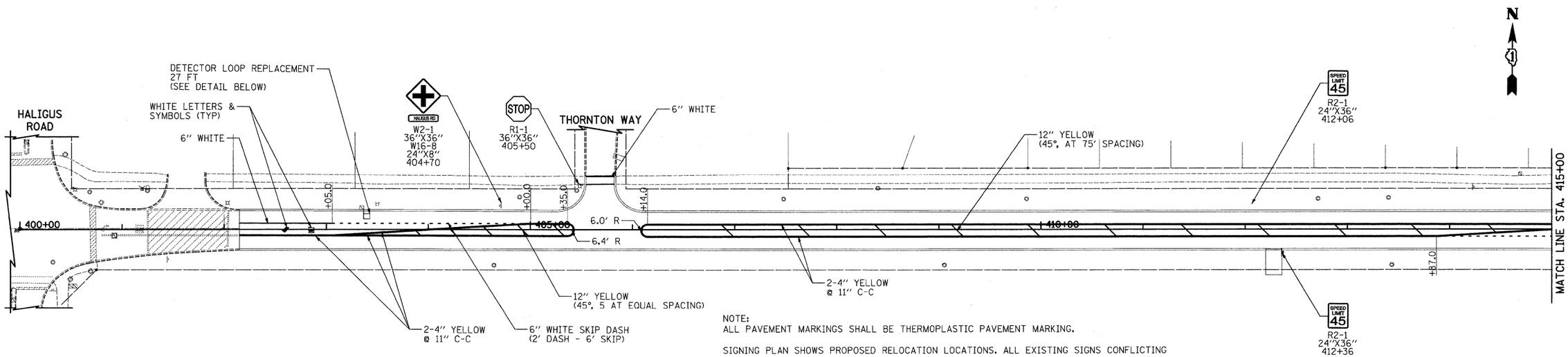
REED ROAD – DRAINAGE AND UTILITIES

SCALE 1"=20' | SHEET NO. 6 OF 6 SHEETS | STA. 425+25 | TO STA. 430+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4075	08-00032-00-RS	MCHENRY	49	25
		CONTRACT NO. 63193		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

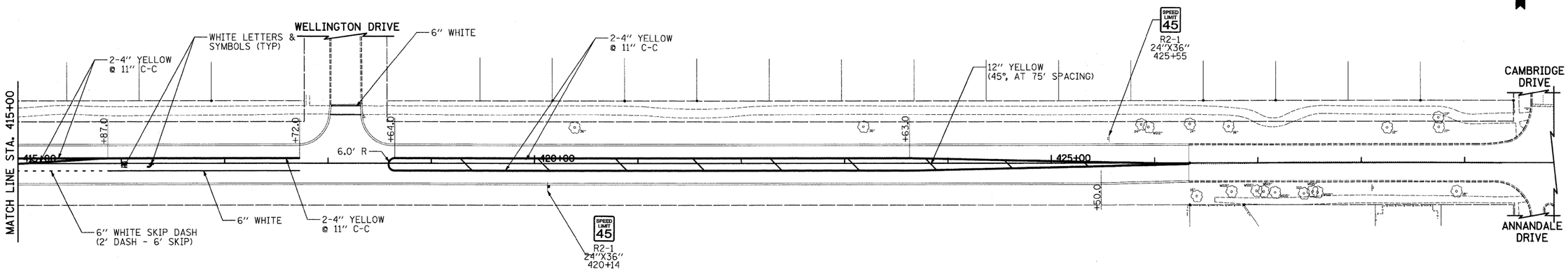
PLAN — SURVEYED / DRAWN / ALIGNMENT CHECKED / P.I., P.T. OR P.C. CHECKED / PLOT FILE NAME / NOTE BOOK / NO. / BY / DATE

PROFILE — SURVEYED / DRAWN / GRADES CHECKED / B.M. NOTED / STRUCTURE NO'S CHKD / NOTE BOOK / NO. / BY / DATE

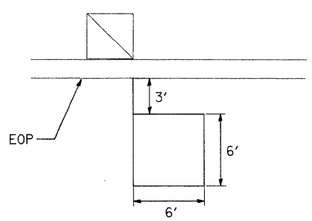


NOTE:
ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC PAVEMENT MARKING.

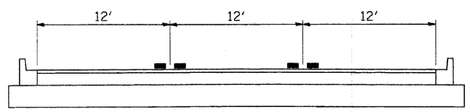
SIGNING PLAN SHOWS PROPOSED RELOCATION LOCATIONS. ALL EXISTING SIGNS CONFLICTING WITH CONTRACTOR'S WORK ARE TO REMOVED, INVENTORIED, MAKE NOTE OF THEIR CONDITION, AND STORED BY THE CONTRACTOR UNTIL THE ENGINEER DIRECTS THE CONTRACTOR TO REINSTALL THEM. SIGNS SHALL BE INSTALLED ON NEW TELESCOPING STEEL, UNLESS OTHERWISE NOTED. THE COST FOR REMOVAL, STORING, AND RE-ERECTING SHALL BE PAID FOR AS RELOCATE SIGN PANEL - TYPE 2. NEW TELESCOPING STEEL WILL BE PAID FOR AS TELESCOPING STEEL SIGN SUPPORTS. SEE GENREAL NOTES FOR FURTHER INFORMATION.



DETECTOR LOOP REPLACEMENT DETAIL



PAVEMENT MARKING TYPICAL SECTIONS



STA. 402+15 TO STA. 423+63

▬ ▬ = 2-4" YELLOW @ 11" C-C

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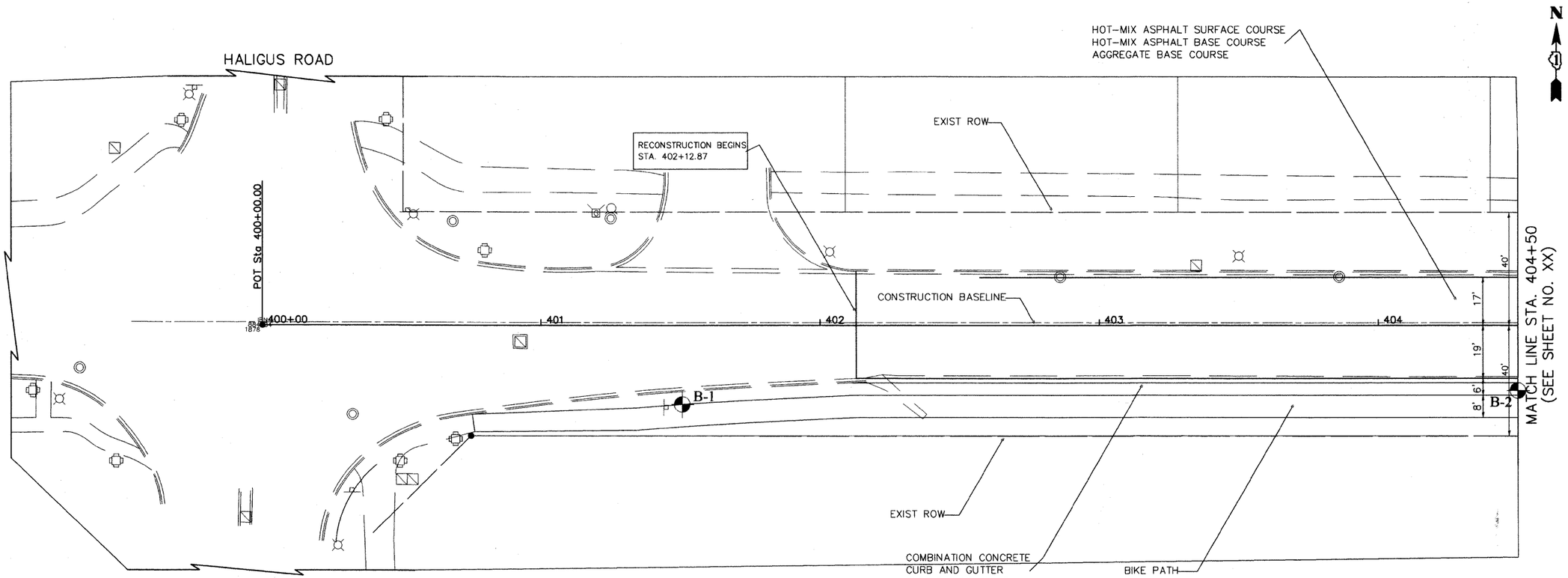
	PLOT DATE = 5/1/2009	DATE - 5/1/09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REED ROAD
PAVEMENT MARKINGS AND SIGNING

SCALE 1"=50' | SHEET NO. 1 OF 1 SHEETS

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4075	08-00032-00-RS	MCHENRY	49	26
		CONTRACT NO. 63193		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

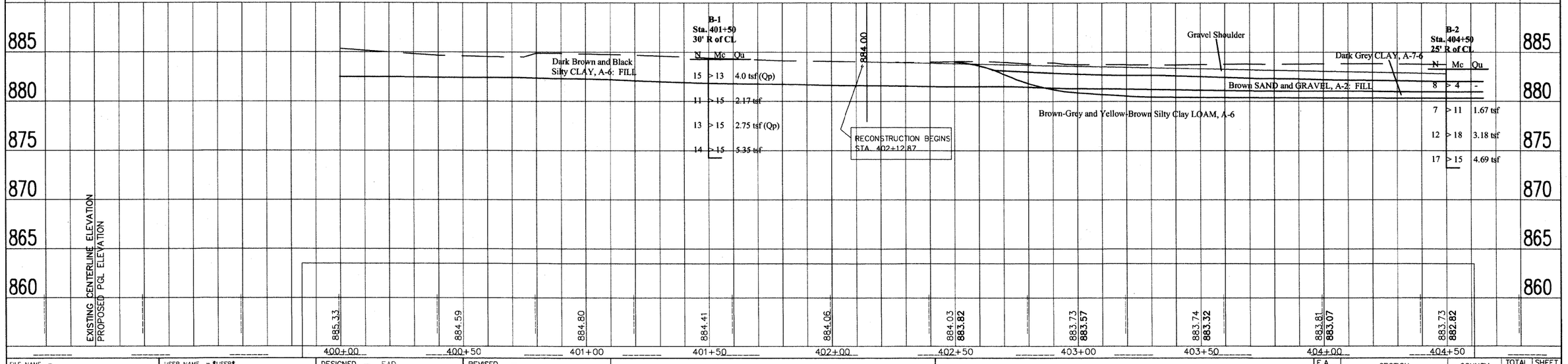


SOIL PROFILE DRAWING
MIDLAND STANDARD ENGINEERING & TESTING, INC.
REED ROAD IMPROVEMENTS
HUNTLEY, ILLINOIS
MSET PROJECT NO. 88298
JANUARY 2009

LEGEND
BORING NUMBER — CORE NUMBER

N = Standard Penetration Resistance, blows per foot
Mc = Moisture Content
Qu = Unconfined Compressive Strength, tons per square foot (lab)
Qp = Unconfined Compressive Strength, tons per square foot (field)
* = Sample tested for Classification
= Water Level During Drilling

REED ROAD



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	PLOT SCALE = $SCALE$	CHECKED — DNM	REVISED —
	PLOT DATE = $DATE$	DATE — 5/1/09	REVISED —

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

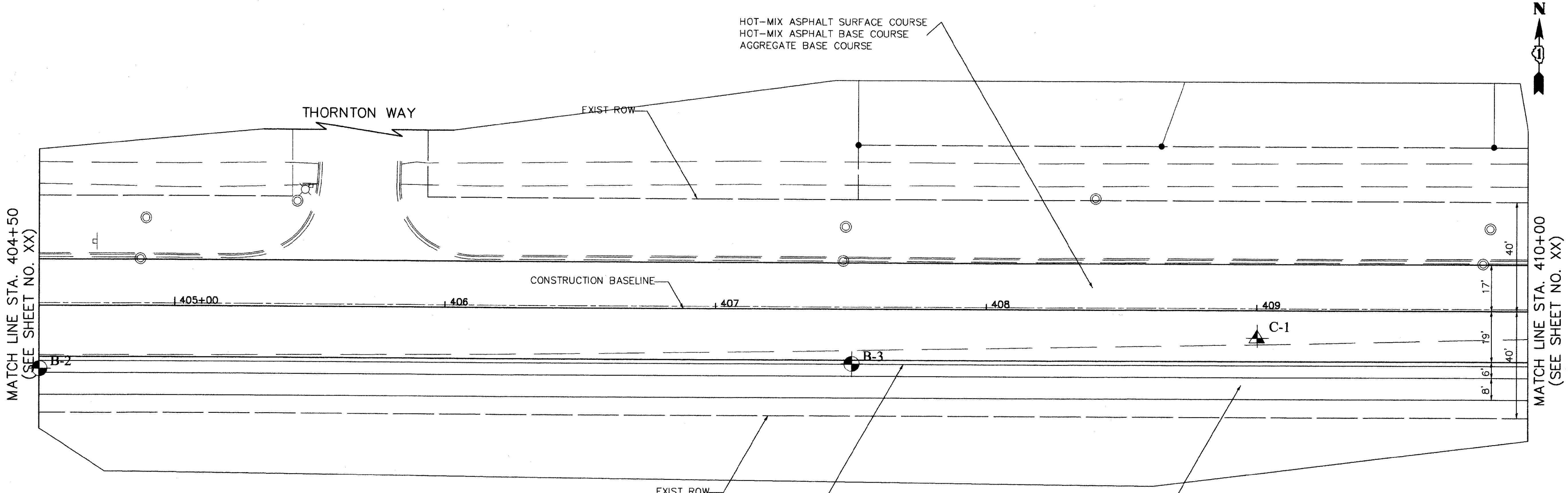
REED ROAD — PLAN & PROFILE

SCALE 1"=20' | SHEET NO. 1 OF ___ SHEETS | STA. 400+00 TO STA. 404+50

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
___	08-00032-00-RS	MCHENRY	49	27
		CONTRACT NO. 63193		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

PLAN: SURVEYED — BY — DATE; ALIGNMENT CHECKED; GRADES CHECKED; R.W. NOTED; STRUCTURE NO(S)/KM'S CK'D; NOTE BOOK ____ NO. ____; EXIST. FILE NAME ____

PROFILE: SURVEYED — BY — DATE; ALIGNMENT CHECKED; GRADES CHECKED; R.W. NOTED; STRUCTURE NO(S)/KM'S CK'D; NOTE BOOK ____ NO. ____

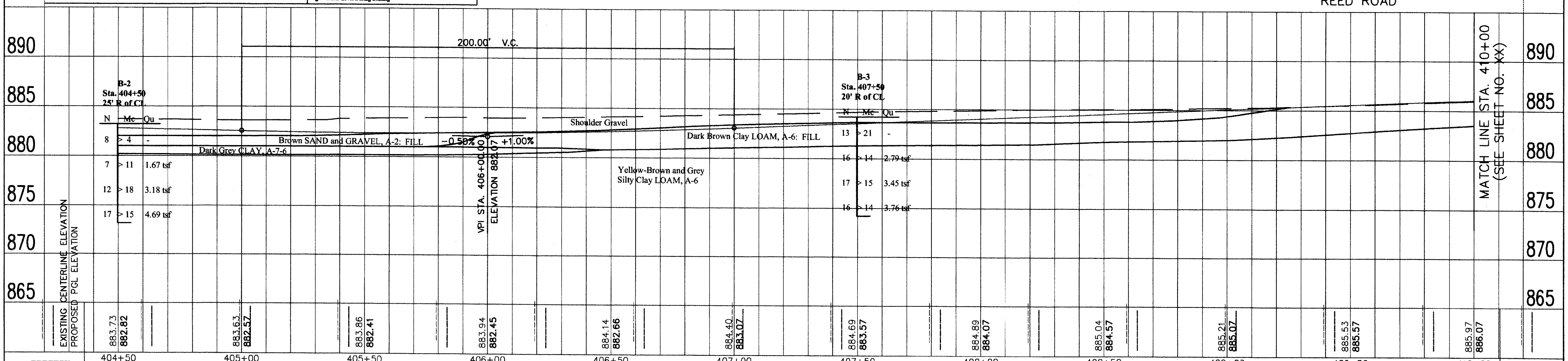


SOIL PROFILE DRAWING
MIDLAND STANDARD ENGINEERING & TESTING, INC.
REED ROAD IMPROVEMENTS
HUNTLEY, ILLINOIS
MSET PROJECT NO. 88298
JANUARY 2009

LEGEND
BORING NUMBER   CORE NUMBER

N = Standard Penetration Resistance, blows per foot
Mc = Moisture Content
Qu = Unconfined Compressive Strength, tons per square foot (lab)
Qp = Unconfined Compressive Strength, tons per square foot (field)
* = Sample tested for Classification
= Water Level During Drilling

REED ROAD



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	PLOT DATE = $DATE$	DATE – 5/1/09	REVISED –

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REED ROAD – PLAN & PROFILE

SCALE 1"=20' | SHEET NO. 2 OF ___ SHEETS | STA. 404+50 TO STA. 410+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
___	08-00032-00-RS	MCHENRY	49	28

CONTRACT NO. 63193

FED. ROAD DIST. NO. _ | ILLINOIS | FED. AID PROJECT

PLAN		
NOTE BOOK	SURVEYED	BY
NO.	PLOTTED	DATE
	ALIGNMENT CHECKED	
	RT. OF WAY CHECKED	
	CADD FILE NAME	

PROFILE		
NOTE BOOK	SURVEYED	BY
NO.	PLOTTED	DATE
	GRADES CHECKED	
	B.M. NOTED	
	STRUCTURE NOTATNS CH'KD	

PLAN
SURVEYED
PLOTTED
NOTE BOOK
NO.
ALIGNMENT CHECKED
R.T. OF WAY CHECKED
CADD FILE NAME
BY
DATE

PROFILE
SURVEYED
PLOTTED
NOTE BOOK
NO.
GRADES CHECKED
R.T. OF WAY CHECKED
STRUCTURE NO'S CHKD
BY
DATE

HOT-MIX ASPHALT SURFACE COURSE
HOT-MIX ASPHALT BASE COURSE
AGGREGATE BASE COURSE

EXIST ROW

CONSTRUCTION BASELINE

411 412 413 414 415+00

B-4

B-5

40'
17'
19'
40'
8' 6'

EXIST ROW

COMBINATION CONCRETE
CURB AND GUTTER
TYPE B-6.12 XX LF

BIKE PATH

N

MATCH LINE STA. 410+00
(SEE SHEET NO. XX)

MATCH LINE STA. 415+50
(SEE SHEET NO. XX)

SOIL PROFILE DRAWING
MIDLAND STANDARD ENGINEERING & TESTING, INC.
REED ROAD IMPROVEMENTS
HUNTLEY, ILLINOIS
MSET PROJECT NO. 88298
JANUARY 2009

LEGEND
BORING NUMBER — CORE NUMBER

N = Standard Penetration Resistance, blows per foot
Mc = Moisture Content
Qu = Unconfined Compressive Strength, tons per square foot (lab)
Qp = Unconfined Compressive Strength, tons per square foot (field)
* = Sample tested for Classification
▼ = Water Level During Drilling

REED ROAD

900
895
890
885
880
875

MATCH LINE STA. 410+00 (SEE SHEET NO. XX)

EXISTING CENTERLINE ELEVATION
PROPOSED PGL ELEVATION

886.45 886.57
886.78 887.07
886.93 887.57
887.08 888.07
887.12 888.57
887.41 889.07
887.65 889.57
887.95 890.07
888.17 890.47
888.31 890.68
888.18 890.68

410+00 410+50 411+00 411+50 412+00 412+50 413+00 413+50 414+00 414+50 415+00 415+50

B-4
Sta. 410+50
18' R of CL

N	Mc	Qu
11	> 17	2.13 tsf
18	> 15	3.5 tsf (Qp)
16	> 15	5.12 tsf
21	> 15	5.74 tsf

Dark Brown CLAY, A-7-6(24)*

Brown, Yellow-Brown, and Grey Silty Clay LOAM, A-6

Black Clay LOAM, A-7-6

B-5
Sta. 413+50
18' R of CL

N	Mc	Qu
11	> 23	-
12	> 16	2.67 tsf
12	> 16	3.57 tsf
21	> 16	3.5 tsf (Qp)

Orange-Brown Sandy LOAM, A-4

Dark Brown Clay LOAM, A-6: FILL

+1.00% −1.00%

VPI STA. 415+26.00
ELEVATION 891.33

Yellow-Brown and Grey Silt LOAM, A-4

250.00' V.C.

MATCH LINE STA. 415+50 (SEE SHEET NO. XX)

FILE NAME = $FILE$	USER NAME = $USER$	DESIGNED — EAD	REVISED —
		DRAWN — EDS	REVISED —
	PLOT SCALE = $SCALE$	CHECKED — DNM	REVISED —
	PLOT DATE = $DATE$	DATE — 5/1/09	REVISED —

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REED ROAD — PLAN & PROFILE

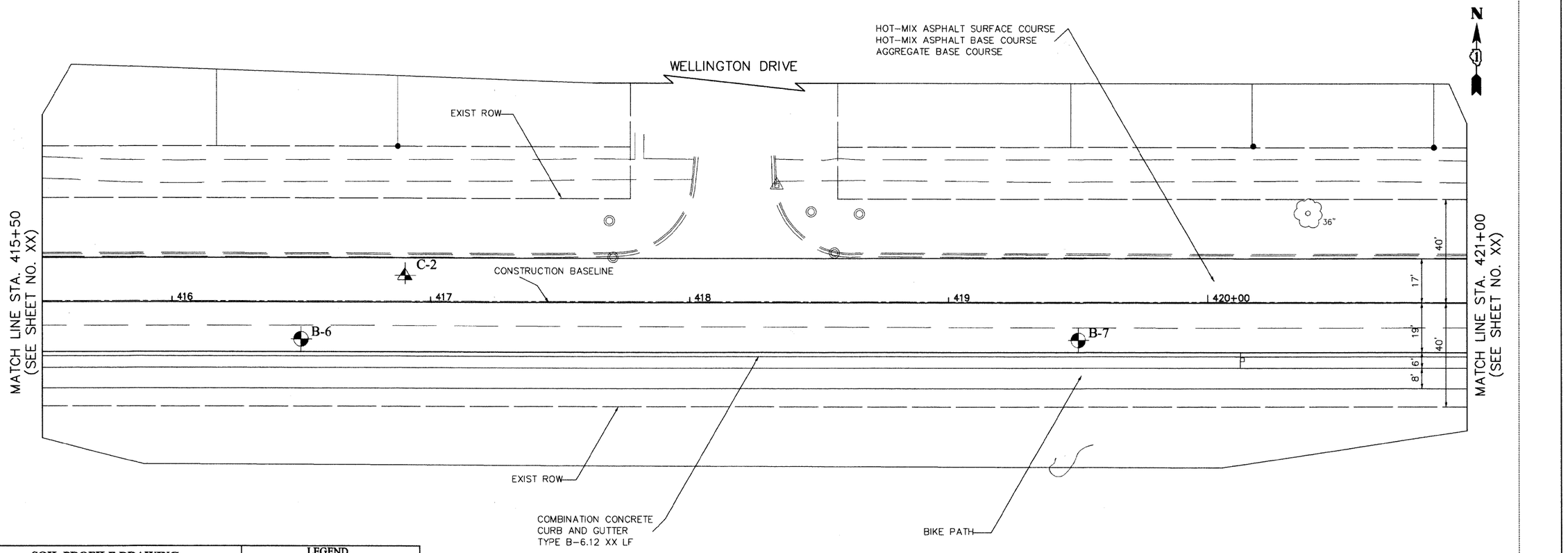
SCALE 1"=20' | SHEET NO. 3 OF ___ SHEETS | STA. 410+00 | TO STA. 415+50

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
____	08-00032-00-RS	MCHENRY	49	29

CONTRACT NO. 63193

FED. ROAD DIST. NO. _ | ILLINOIS | FED. AID PROJECT

PLAN
SURVEYED
PLOTTED
ALIGNMENT CHECKED
GRADES CHECKED
NOTE BOOK
NO.
CADD FILE NAME
BY
DATE

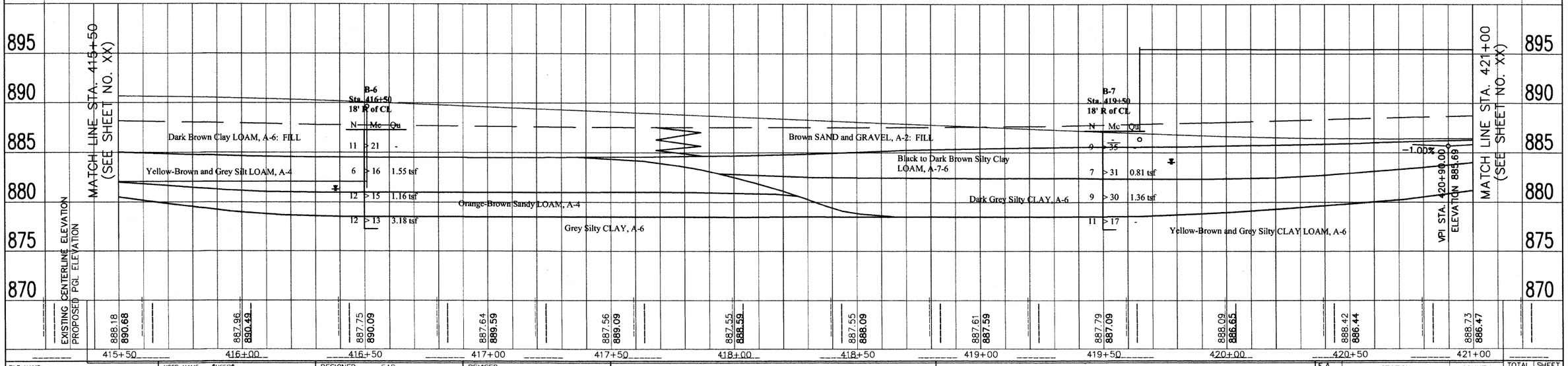


SOIL PROFILE DRAWING
MIDLAND STANDARD ENGINEERING & TESTING, INC.
REED ROAD IMPROVEMENTS
HUNTLEY, ILLINOIS
MSET PROJECT NO. 88298
JANUARY 2009

LEGEND
BORING NUMBER — CORE NUMBER
N = Standard Penetration Resistance, blows per foot
Mc = Moisture Content
Qu = Unconfined Compressive Strength, tons per square foot (lab)
Qp = Unconfined Compressive Strength, tons per square foot (field)
▼ = Sample tested for Classification
= Water Level During Drilling

PROFILE
SURVEYED
PLOTTED
GRADES CHECKED
NOTE BOOK
NO.
STRUCTURE NO/ATH'S CHKD
BY
DATE

REED ROAD



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		DRAWN — EDS	REVISED —
	PLOT SCALE = $SCALE$	CHECKED — DNM	REVISED —
	PLOT DATE = $DATE$	DATE — 5/1/09	REVISED —

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REED ROAD — PLAN & PROFILE

SCALE 1"=20' | SHEET NO. 4 OF ___ SHEETS | STA. 415+50 | TO STA. 421+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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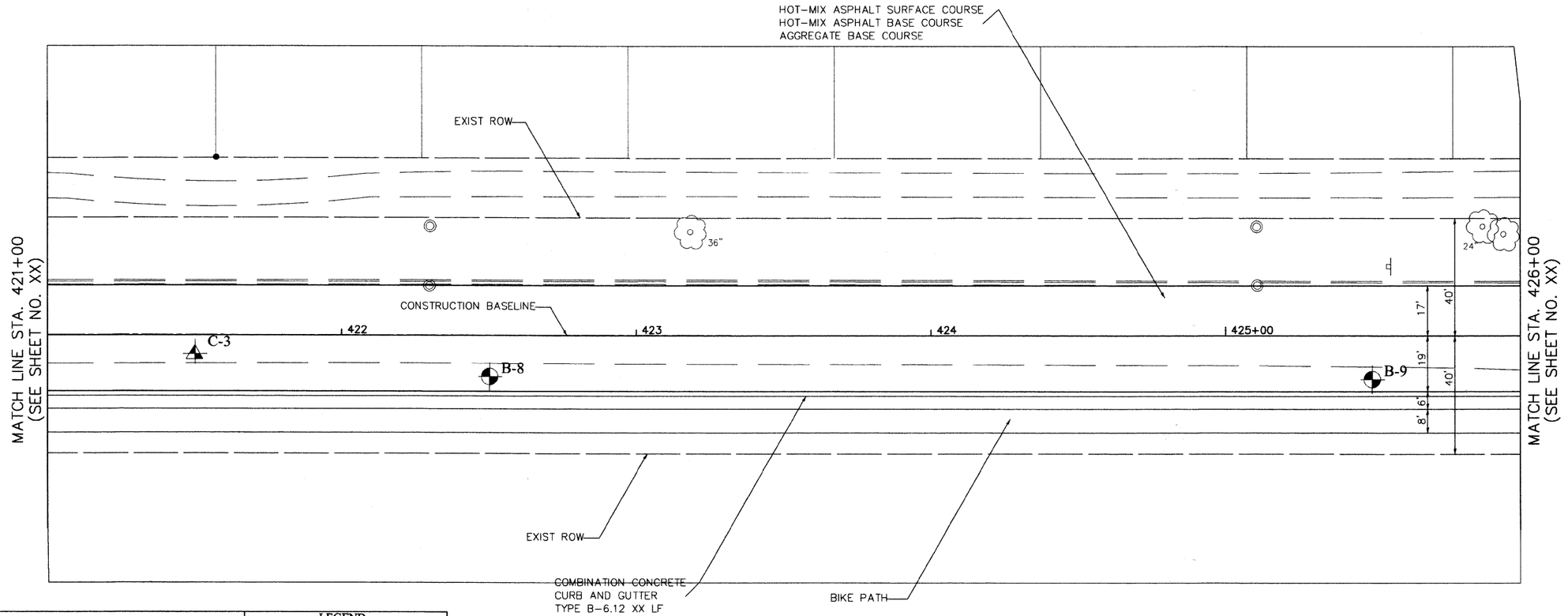
CONTRACT NO. 63193

FED. ROAD DIST. NO. _ | ILLINOIS | FED. AID PROJECT

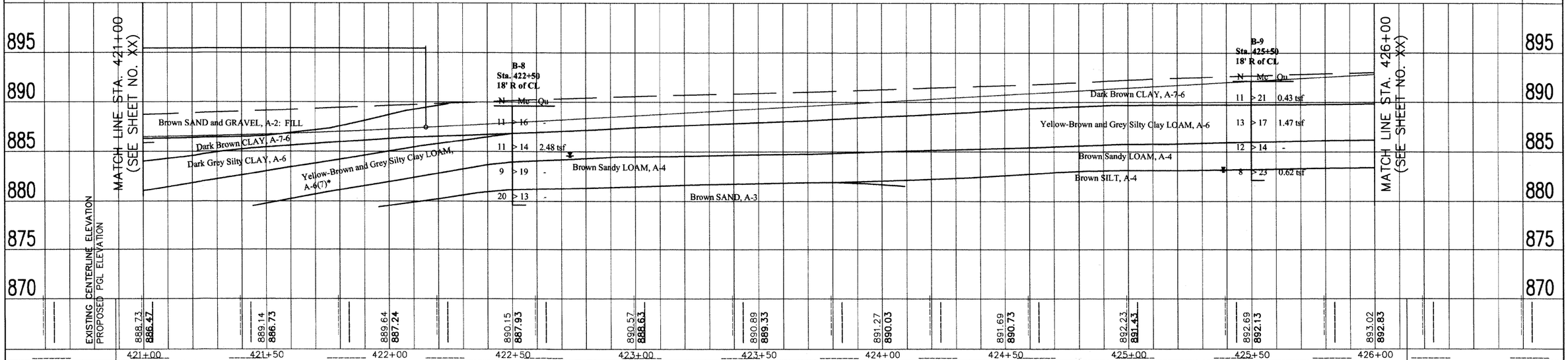


SOIL PROFILE DRAWING
MIDLAND STANDARD ENGINEERING & TESTING, INC.
REED ROAD IMPROVEMENTS
HUNTLEY, ILLINOIS
MSET PROJECT NO. 88298
JANUARY 2009

LEGEND
BORING NUMBER — CORE NUMBER

N = Standard Penetration Resistance, blows per foot
Mc = Moisture Content
Qu = Unconfined Compressive Strength, tons per square foot (lab)
Qp = Unconfined Compressive Strength, tons per square foot (field)
+ = Sample tested for Classification
= Water Level During Drilling

REED ROAD



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	PLOT DATE = $DATE$	DATE — 5/1/09	REVISED —

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REED ROAD — PLAN & PROFILE

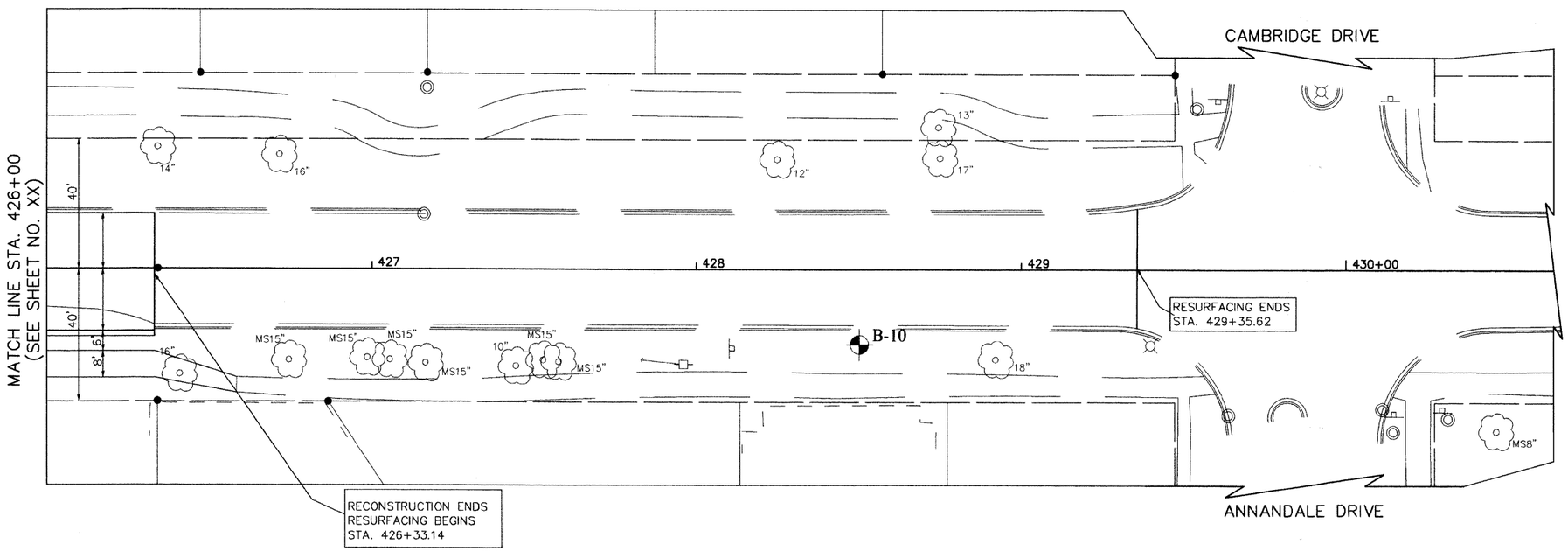
SCALE 1"=20' | SHEET NO. 5 OF ___ SHEETS | STA. 421+00 | TO STA. 426+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
___	08-00032-00-RS	MCHENRY	49	31

CONTRACT NO. 63193

FED. ROAD DIST. NO. _ | ILLINOIS | FED. AID PROJECT

PLAN
SURVEYED
PLOTTED
ALIGNMENT CHECKED
GRADES CHECKED
NOTE BOOK
NO.
BY
DATE

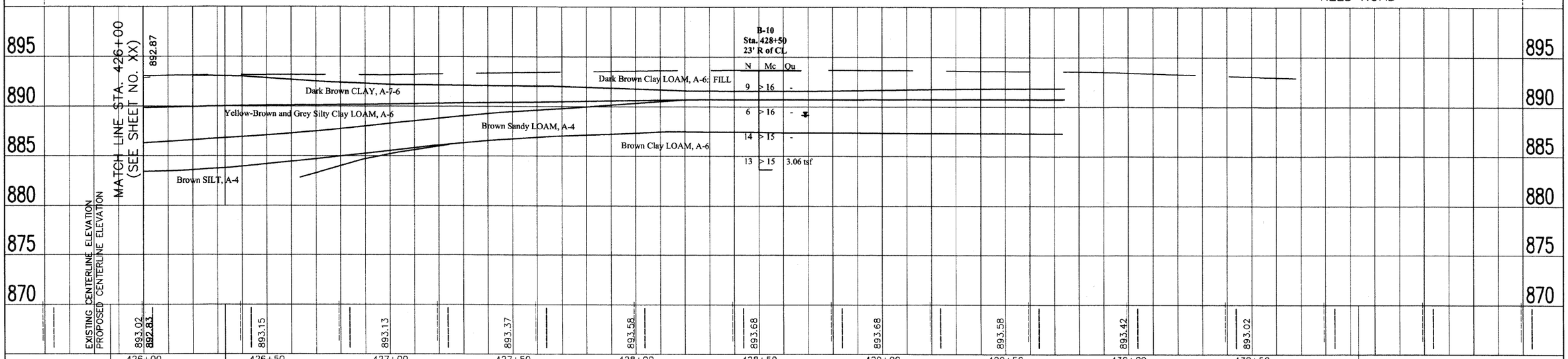


SOIL PROFILE DRAWING
MIDLAND STANDARD ENGINEERING & TESTING, INC.
REED ROAD IMPROVEMENTS
HUNTLEY, ILLINOIS
MSET PROJECT NO. 88298
JANUARY 2009

LEGEND
BORING NUMBER CORE NUMBER
N = Standard Penetration Resistance, blows per foot
Mc = Moisture Content
Qu = Unconfined Compressive Strength, tons per square foot (lab)
Qp = Unconfined Compressive Strength, tons per square foot (field)
* = Sample tested for Classification
= Water Level During Drilling

PROFILE
SURVEYED
PLOTTED
GRADES CHECKED
NOTE BOOK
NO.
BY
DATE
STRUCTURE NO.
TA'NS CH'KD

REED ROAD



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

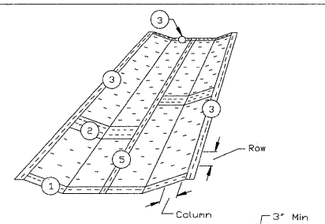
REED ROAD – PLAN & PROFILE

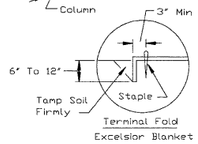
SCALE 1"=20' | SHEET NO. __ OF ____ SHEETS | STA. 426+00 | TO STA. 430+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
____	08-00032-00-RS	MCHENRY	49	32

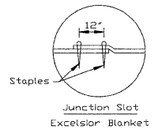
CONTRACT NO. 63193
FED. ROAD DIST. NO. _ | ILLINOIS | FED. AID PROJECT

EROSION CONTROL BLANKET



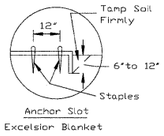


DETAIL 1

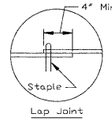


DETAIL 2

EROSION CONTROL BLANKET



DETAIL 3



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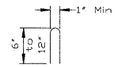
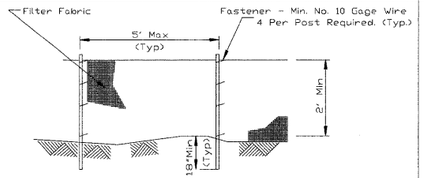


STAPLE DETAIL

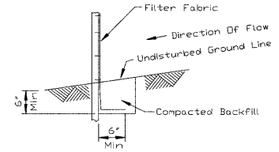
NOTES:

1. Staples are to be placed alternately, in columns approximately 2' apart and in rows approximately 3' apart. Approximately 175 staples are required per 4'x 225' roll of material and 125 staples are required per 4'x 150' roll of material.
2. Erosion control material shall be placed loosely over ground surface. Do not stretch.
3. All terminal ends and transverse laps shall be stapled at approximately 12" intervals.

SILT FENCE PLAN



ELEVATION

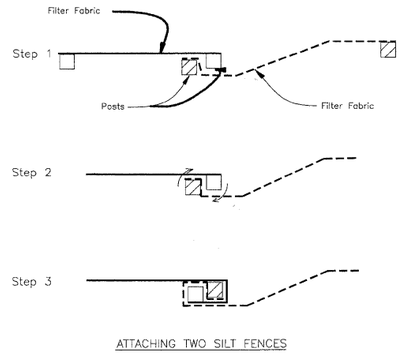


FABRIC ANCHOR DETAIL

NOTES:

1. Temporary sediment fence shall be installed prior to any grading work in the area to be protected. They shall be maintained throughout the construction period and removed in conjunction with the final grading and site stabilization.
2. Fence posts shall be either standard steel post or wood post with a minimum cross-sectional area of 3.0 sq. in.

SILT FENCE

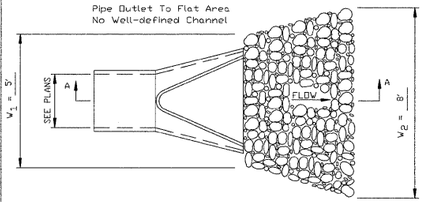


ATTACHING TWO SILT FENCES

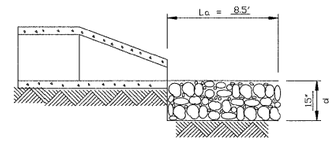
NOTES:

1. Place the end post of the second fence inside the end post of the first fence.
2. Rotate both posts at least 180 degrees in a clockwise direction to create a tight seal with the fabric material.
3. Drive both posts a minimum of 18 inches into the ground and bury the flap.

PIPE OUTLET TO FLAT AREA



PLAN

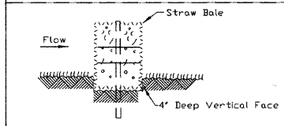


SECTION A-A

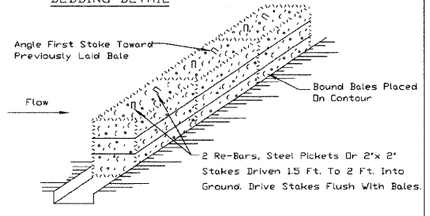
NOTES:

1. The rock riprap shall meet the IDOT requirements for the following gradation: RR 3, Quality A.

STRAW BALE BARRIER PLAN



BEDDING DETAIL

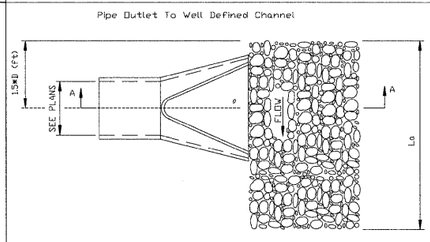


ANCHORING DETAIL

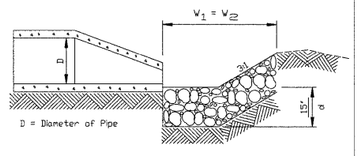
NOTES

1. Bales shall be placed at the top of slope or on the contour and in a row with ends tightly abutting the adjacent bales.
2. Each bale shall be embedded in the soil a minimum of 4", and placed so that bindings are horizontal.
3. Bales shall be securely anchored in place by either two stakes or re-bars driven through the bale. The first stake in each bale shall be driven toward the previously laid bale at an angle to force the bales together. Stakes shall be driven flush with the bale.
4. Inspection shall be frequent and repair replacement shall be made promptly as needed.
5. Bales shall be removed when they have served their usefulness so as not to block or impede storm flow or drainage.

PIPE OUTLET TO CHANNEL



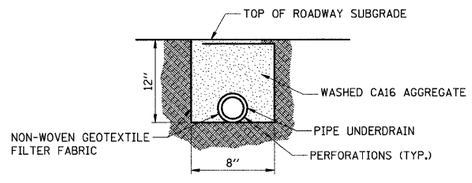
PLAN



SECTION A-A

NOTES:

1. The rock riprap shall shall meet the IDOT requirements for the following gradation: RR 3, Quality A.
2. For Lo, W_1, and W_2, see Riprap Schedule in the Schedule of Quantities Sheet No. 9.



SECTION B-B

GENERAL NOTES:

1. BOTH THE TRENCH AND DRAIN TILE SHALL BE WRAPPED WITH NON-WOVEN GEOTEXTILE FILTER FABRIC.
2. WASHED AGGREGATE SHALL BE PLACED AROUND THE DRAIN TILE.
3. HOLE SHALL BE DRILLED INTO STRUCTURE.
4. HYDRAULIC CEMENT SHALL BE PLACED AROUND THE PIPE TO SEAL THE OPENING, BOTH INSIDE AND OUTSIDE THE STRUCTURE.

PIPE UNDERDRAIN, FABRIC LINED TRENCH, 4"

FILE NAME =	USER NAME = eds	DESIGNED - EAD	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**DETAILS**	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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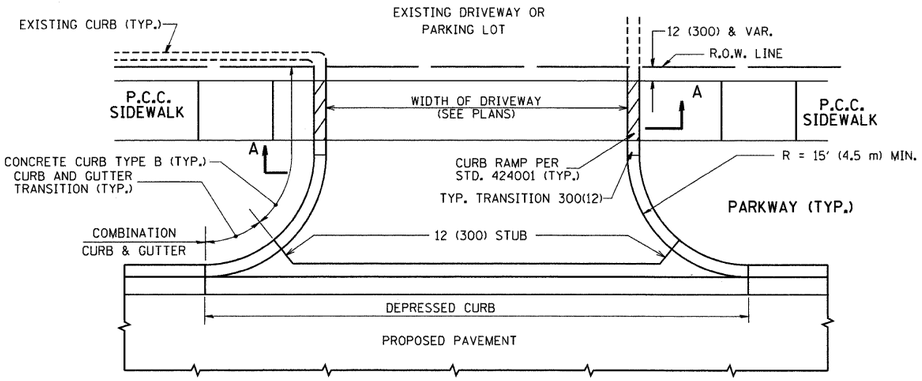
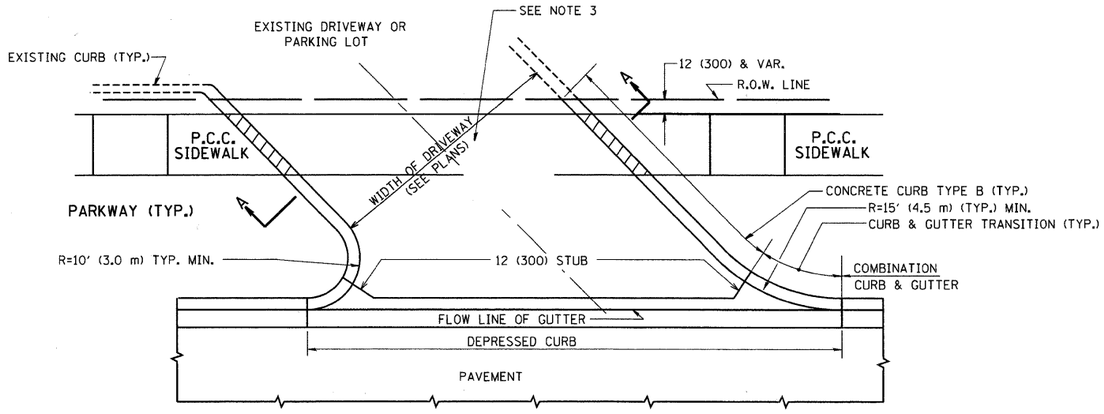
	PLOT DATE = 5/1/2009	DATE - 5/1/09	REVISED -		SCALE: N.T.S. SHEET NO. 1 OF 6 SHEETS STA. TO STA.	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



WITH CONCRETE CURB, TYPE B



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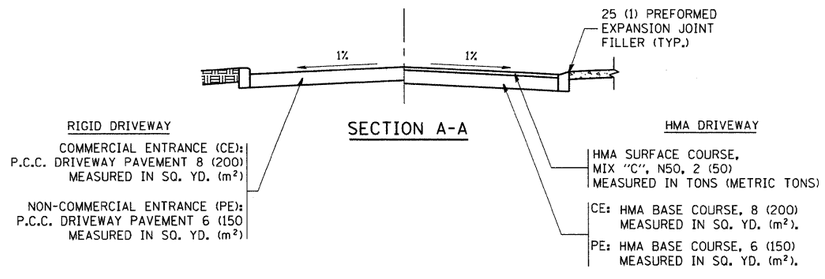
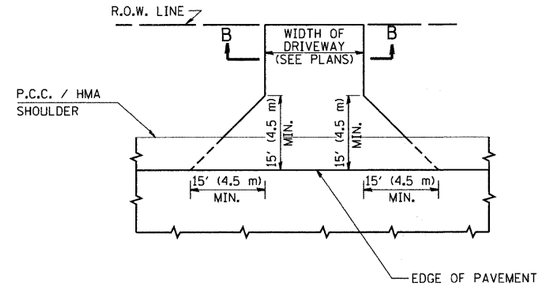
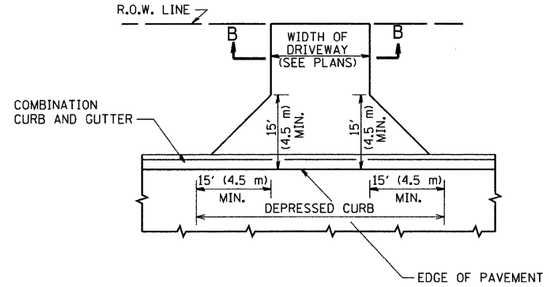
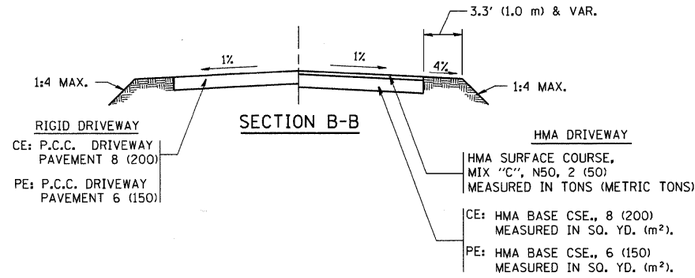




ADJACENT TO P.C.C. / HMA SHOULDER



ADJACENT TO CURB AND GUTTER



RURAL FIELD ENTRANCE (FE)

HMA SURFACE COURSE,
MIX "C", N50, 2 (50)
MEASURED IN TONS (METRIC TONS)

AGGREGATE BASE CSE., TYPE B, 8 (200)
MEASURED IN SQ. YD. (m²).

GENERAL NOTES:

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATIONS IN THE PERMIT HANDBOOK. DRIVEWAYS SHALL BE REPLACED IN KIND, UNLESS OTHERWISE NOTED ON THE PLANS.

COMMERCIAL DRIVEWAYS SHALL BE CONSTRUCTED WITH CONCRETE CURB, TYPE B RETURNS EXCEPT WHEN THE SIDEWALK EDGE IS 4 FEET (1.2 METERS) OR LESS FROM THE BACK OF CURB, CONSTRUCT A FLARE DRIVEWAY WITHOUT CURB.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847/ 705-4131 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS; SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

1 (25) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.

WHEN THE P.C.C. SIDEWALK EXTENDS THROUGH THE DRIVEWAY, THE THICKNESS OF THE SIDEWALK IN THE DRIVEWAY AREA SHALL BE THE SAME AS THE DRIVEWAY THICKNESS. SIDEWALK WILL BE PAID FOR AS P.C.C. SIDEWALK OF THE THICKNESS SPECIFIED. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

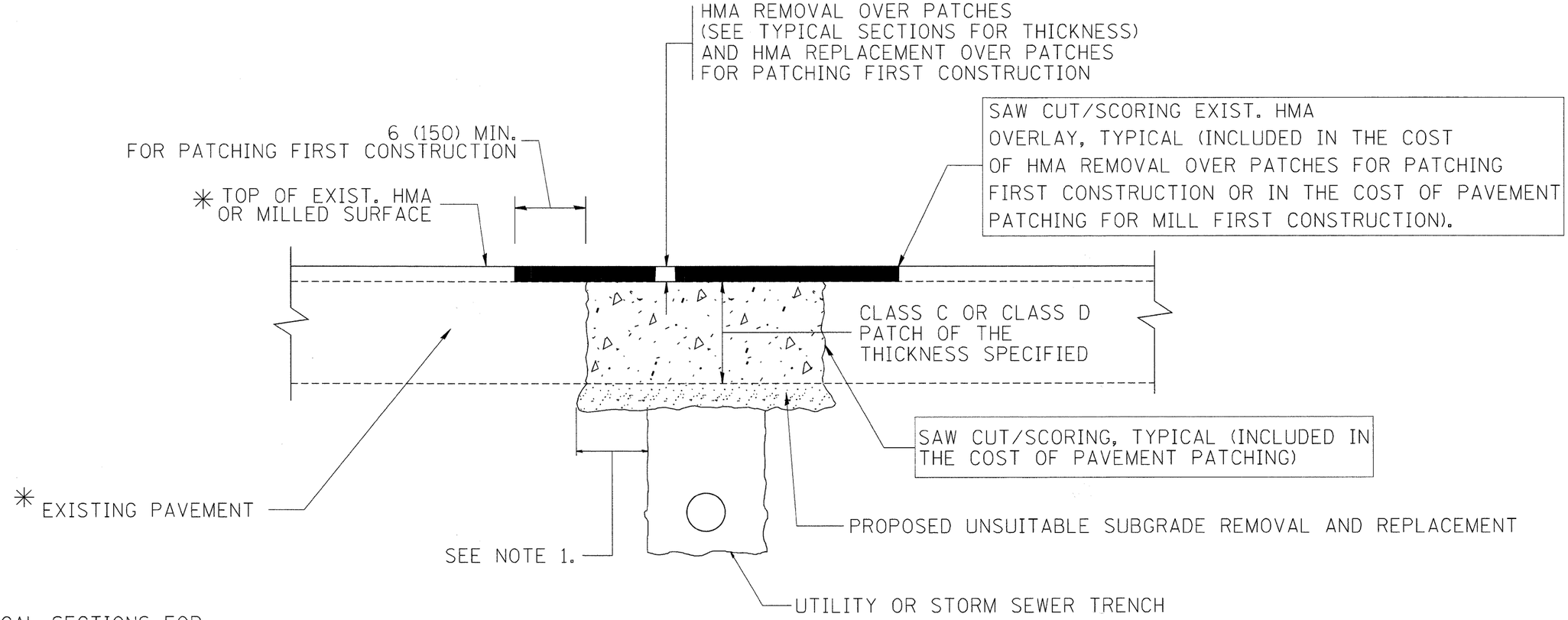
FILE NAME = c:\projects\diststd22x34\bd01.dgn	USER NAME = bauerdl	DESIGNED - R. SHAH	REVISED - M. GOMEZ 04-06-01
		DRAWN -	REVISED - P. LaFLUER 04-15-03
	PLOT SCALE = 49.9999 ' / IN.	CHECKED -	REVISED - R. BORO 01-01-07
	PLOT DATE = 6/12/2008	DATE - 11-04-95	REVISED - R. BORO 06-11-08

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRIVEWAY DETAILS – DISTANCE BETWEEN R.O.W. AND FACE OF CURB & EDGE OF SHOULDER >= 15' (4.5 m)

SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00032-00-RS	MCHENRY	49	34
	BD0156-07 (BD-01)	CONTRACT NO.		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

NOTES:

1. THE WIDTH OF THE FULL DEPTH PATCH OVER A TRENCH SHALL BE 12 (300) WIDER ON EACH SIDE OF THE TRENCH.
2. FOR METHOD OF MEASUREMENT AND BASIS OF PAYMENT, SEE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL".

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

1. MILL HMA FIRST IF THERE IS AT LEAST 4½ INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME = c:\projects\diststd22x34\bd22.dgn	USER NAME = bauerdl	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT**			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
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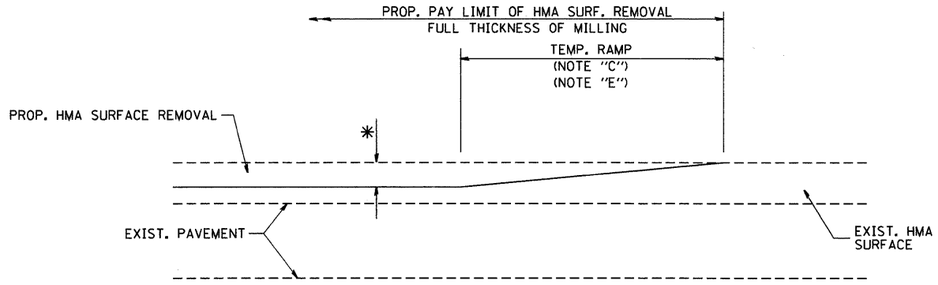
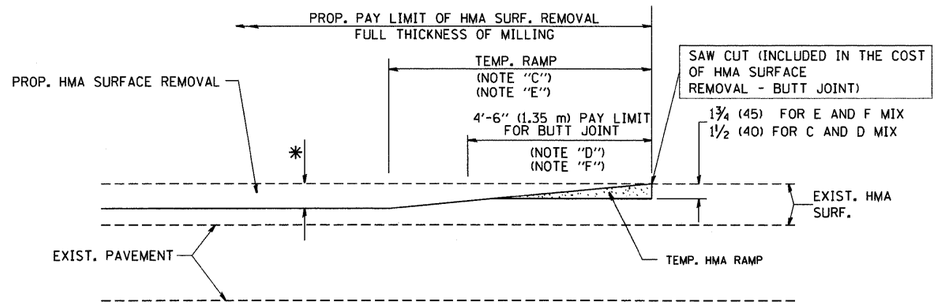
	PLOT DATE = 10/27/2008	DATE - 10-25-94	REVISED - K. ENG 10-27-08		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	



MILLED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

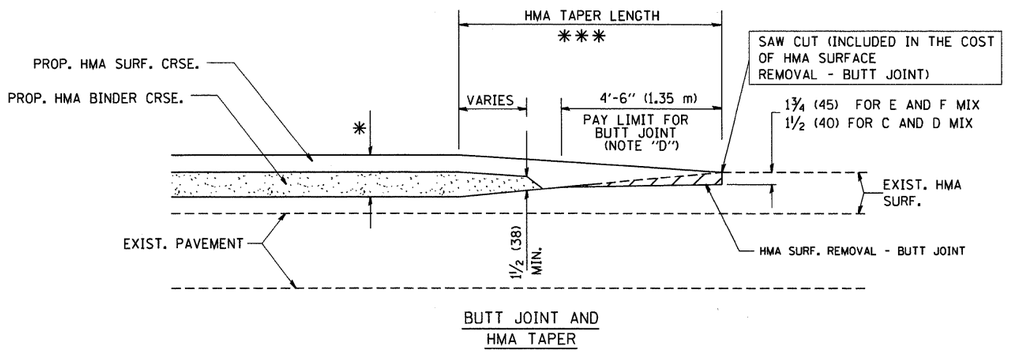


HMA CONSTRUCTED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

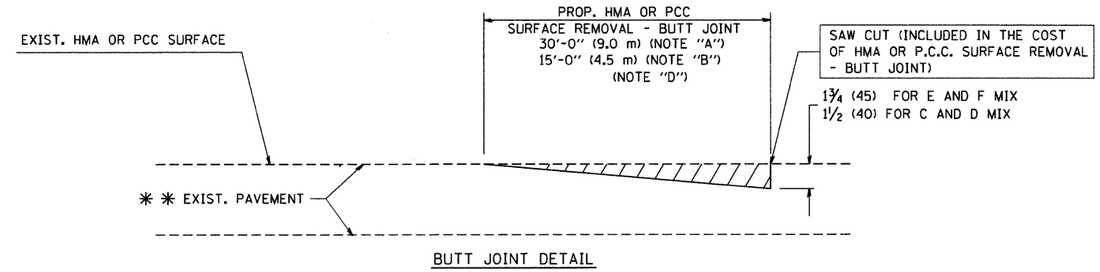
OPTION 2

TYPICAL TEMPORARY RAMP

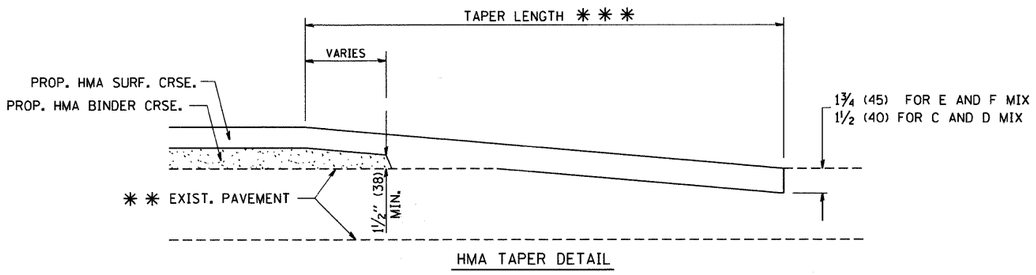


BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

* * PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

NOTES

A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.

B: MINOR SIDE ROADS.

C: THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.

D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.

E: TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.

F: INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT

G: SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".

* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.

* * * 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT:

THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL- BUTT JOINT".

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

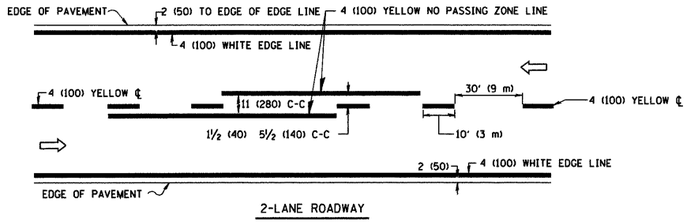
FILE NAME = W:\diststd\22x34\bd32.dgn	USER NAME = gaglianobt	DESIGNED - M. DE YONG	REVISED - R. SHAH 10-25-94
		DRAWN -	REVISED - A. ABBAS 03-21-97
	PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED - M. GOMEZ 04-06-01
	PLOT DATE = 1/4/2008	DATE - 06-13-90	REVISED - R. BORO 01-01-07

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

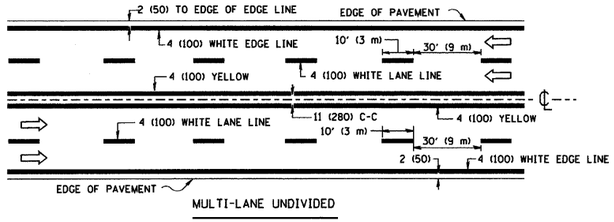
BUTT JOINT AND HMA TAPER DETAILS

SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

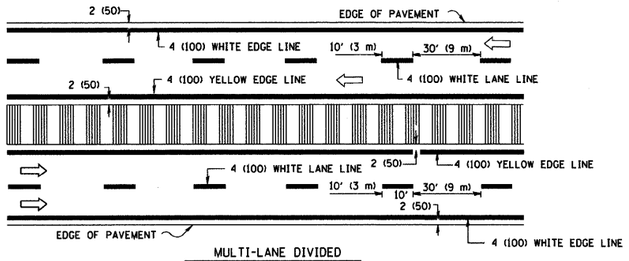
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00032-00-RS	MCHENRY	49	36
	BD400-05 BD32	CONTRACT NO.		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



2-LANE ROADWAY



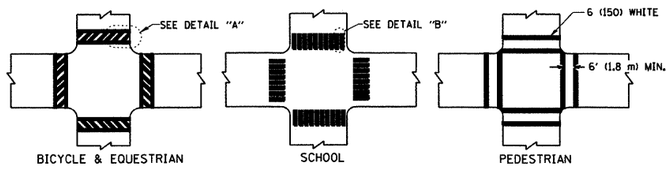
MULTI-LANE UNDIVIDED

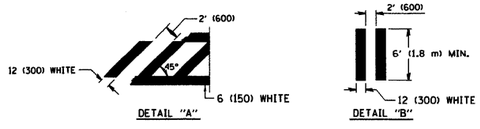


MULTI-LANE DIVIDED
WITH MOUNTABLE MEDIAN

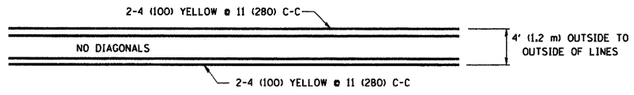
NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

TYPICAL LANE AND EDGE LINE MARKING

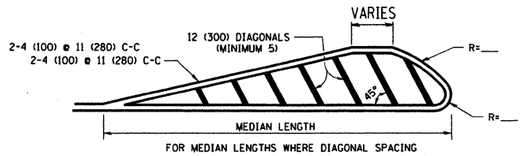




TYPICAL CROSSWALK MARKING



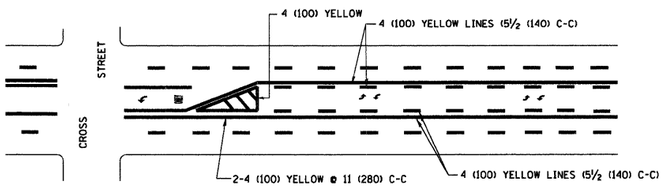
4' (1.2 m) WIDE MEDIANS ONLY



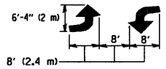
FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h))
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

MEDIANS OVER 4' (1.2 m) WIDE

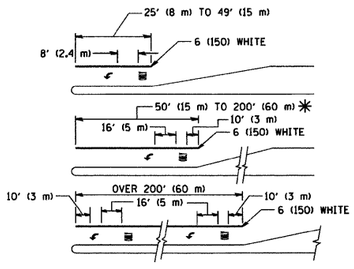


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

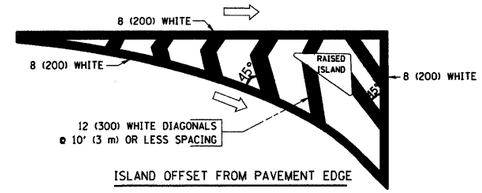


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m^2) ONLY AREA = 20.8 SQ. FT. (1.9 m^2)

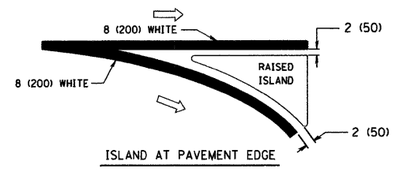
✳ TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING



ISLAND OFFSET FROM PAVEMENT EDGE



ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVEDED PAVEMENT	2 ℄ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 ℄ 4 (100)	SOLID SOLID	YELLOW YELLOW	5½ (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 ℄ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5½ (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 ℄ 6 (150) 12 (300) ℄ 45° 12 (300) ℄ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 ℄ 4 (100) WITH 12 (300) DIAGONALS ℄ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS ℄ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m^2) EACH "X"=54.0 SQ. FT. (5.0 m^2)
SHOULDER DIAGONALS	12 (300) ℄ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME = W:\diststd\22x34\tc13.dgn	USER NAME = geglenobt	DESIGNED - EVERS	REVISED -T. RAMMACHER 10-27-94
		DRAWN -	REVISED -A. HOUSEH 10-09-96
	PLOT SCALE = 50.000 ' / IN.	CHECKED -	REVISED -A. HOUSEH 10-17-96
	PLOT DATE = 1/4/2008	DATE - 03-19-90	REVISED -T. RAMMACHER 01-06-00

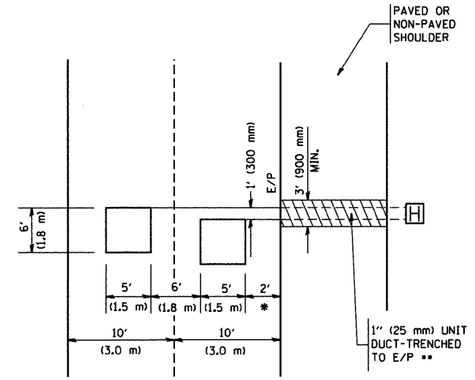
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
TYPICAL PAVEMENT MARKINGS

SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00032-00-RS	MCHENRY	49	37
	TC-13	CONTRACT NO.		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

LOOPS NEXT TO SHOULDERS

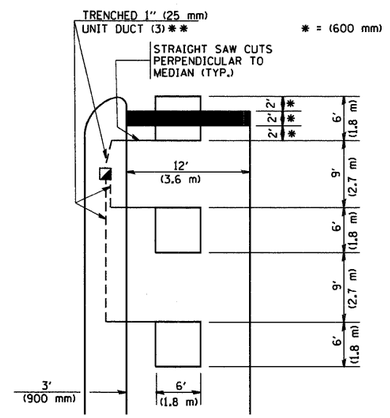


* = (600 mm)

** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

LEFT TURN LANES WITH MEDIANS
VOLUME DENSITY ("FAR OUT" DETECTION)
ON SAME APPROACH

(PROTECTED / PERMITTED LEFT TURN PHASING)

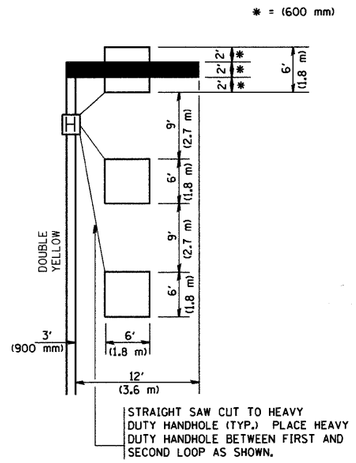


** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

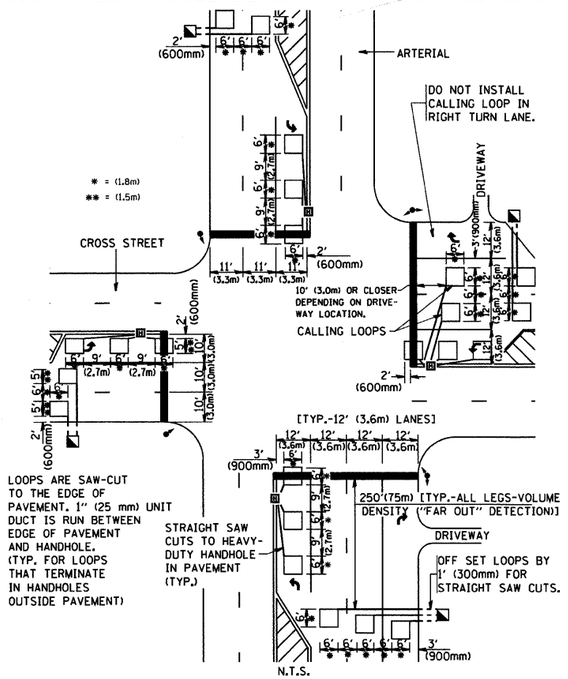
LEFT TURN LANES WITHOUT MEDIANS
VOLUME DENSITY ("FAR OUT" DETECTION)
ON SAME APPROACH

(PROTECTED / PERMITTED LEFT TURN PHASING)



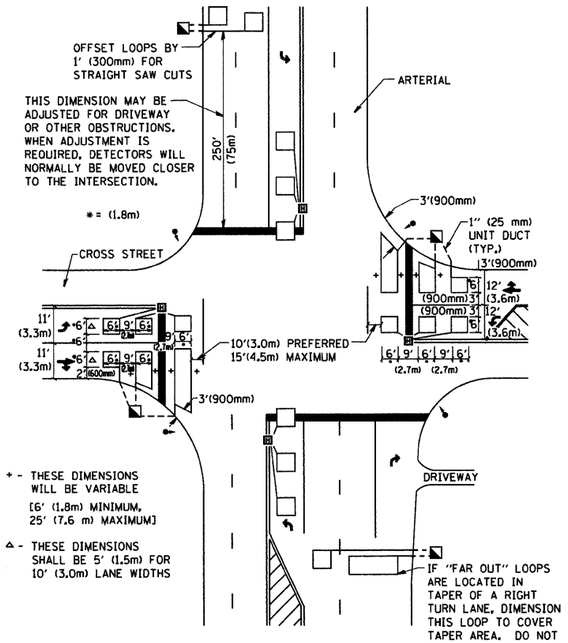
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)
CROSS STREET-VOLUME DENSITY ("FAR OUT" DETECTION)



DETAIL 1
N.T.S.

ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)
CROSS STREET-NON VOLUME DENSITY ("UPTIGHT" PRESENCE DETECTION)



DETAIL 2
N.T.S.

NOTES:

VEHICLES LOOP DETECTORS

* ALL LEAD IN CABLE SHALL BE TWO CONDUCTOR NO. 14 TWISTED, SHIELDED.
* EACH DETECTOR LOOP SHALL HAVE ITS OWN SAW CUT FROM THE LOOP TO THE EDGE OF PAVEMENT OR TO A HANDHOLE IN THE PAVEMENT.
* EACH DETECTOR LOOP SHALL HAVE ITS OWN ONE INCH (25 mm) UNIT DUCT BETWEEN THE EDGE OF PAVEMENT AND THE FIRST HANDHOLE OR JUNCTION BOX. EACH UNIT DUCT RUN SHALL BE SHOWN ON THE PLANS BY THE DESIGNER, BUT SHALL NOT BE PAID FOR SEPARATLY. THIS ITEM IS INCIDENTAL TO THE PAY ITEM FOR DETECTOR LOOPS.
* ONE DIMENSION OF ALL DETECTOR LOOPS SHALL BE SIX FEET (1.8 m)
* EACH LANE OF NON-LOCKING, PRESENCE DETECTION AND EACH LANE OF A DOUBLE LEFT TURN LANE REQUIRES A SEPARATE INDUCTIVE LOOP DETECTOR AND LEAD IN CABLE.
* WHEN NON-LOCKING, PRESENCE DETECTION IS USED, MORE THAN ONE LOOP PER LANE IS REQUIRED BEHIND THE STOP BAR (i.e. 1-1/2, 1-3/4, 2).
* WHEN SYSTEM LOOPS ARE REQUIRED ON AN APPROACH OF AN INTERSECTION, THE LOOPS USED FOR VOLUME DENSITY AND INTERSECTION TIMING SHALL ALSO BE USED AS SYSTEM DETECTORS. EACH ONE OF THESE TYPE OF LOOPS REQUIRES A SEPARATE TWO CONDUCTOR NO. 14 TWISTED SHIELDED CABLE AND A SEPARATE INDUCTIVE LOOP DETECTOR WHEN NEW CONTROLLERS ARE UTILIZED. THE DESIGNER SHALL LABEL THESE TYPES OF LOOPS AS "INTERSECTION AND SAMPLING (SYSTEM) DETECTORS" ON THE SIGNAL LAYOUT, THE INTERCONNECT PLAN AND THE SYSTEM CABLE PLAN. WHEN AN EXISTING CONTROLLER IS UTILIZED FOR THIS TYPE OF DETECTION, THE PAY ITEM "INDUCTIVE LOOP DETECTOR WITH SYSTEM OUTPUT" SHOULD BE USED.

PLACEMENT OF DETECTORS

THE FOLLOWING FIGURES REPRESENT THE MOST COMMON DETECTOR LOOP LOCATIONS AND SIZES. ADJUSTMENTS WILL BE NECESSARY FOR SPECIFIC GEOMETRIC CONSIDERATIONS.

LOCATIONS AND DEMENSIONS OF DETECTOR LOOPS ARE REQUIRED ON ALL SIGNAL LAYOUT PLAN SHEETS.

"FAR OUT" DETECTION REFERS TO LOCKING, PRESENCE TYPE DETECTION LOCATED IN THRU LANES, RIGHT TURN LANES, AND RIGHT TURN LANE TAPER AREAS (IF APPLICABLE), USUALLY 250' (75 m) IN ADVANCE OF STOP BARS. "UPTIGHT" DETECTION REFERS TO NON-LOCKING PRESENCE TYPE DETECTION LOCATED IN ALL LANES AND 10'-15' (3.0 m-4.5 m) BEHIND THE CROSSING STREET'S EDGE OF PAVEMENT EXTENDED.

NOTE:

ALL DETAILS AND NOTES SHOWN ARE FROM THE I.D.O.T. DISTRICT 1 TRAFFIC SIGNAL DESIGN GUIDELINES DATED JANUARY 1995

THIS DRAWING HAS BEEN PREPARED TO ASSIST THE RESIDENT ENGINEER FOR ALL ROADWAY RESURFACING OR S.M.A.R.T. PROJECTS WHERE THE DIMENSIONS ARE NOT SHOWN ON THE PLANS AND THE FINAL LOCATIONS FOR CROSSWALKS OR STOP BARS ARE NOT DETERMINED.

FILE NAME = W:\diststd\22x34\ts07.dgn	USER NAME = gaglianobt	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 50.0000 ' / IN.	CHECKED - R.K.F.	REVISED -
	PLOT DATE = 1/4/2008	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT 1 – DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING

SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			49	38
	TS-07	CONTRACT NO.		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY	BY	DATE
NOTE BOOK	SURVEYED	
NO.	PLOTTED	
	TOPS/GRADE	
	AREAS	
	AREAS CHECKED	

ORIGINAL SURVEY	BY	DATE
NOTE BOOK	SURVEYED	
NO.	PLOTTED	
	TOPS/GRADE	
	AREAS	
	AREAS CHECKED	

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	PLOT SCALE = 10.0000 ' / IN.	CHECKED - DNM	REVISED -
	PLOT DATE = 5/1/2009	DATE - 5/1/09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REVISED – REED ROAD CROSS SECTIONS

SCALE: 1"=5'V/10'H | SHEET NO. 1 OF 11 SHEETS | STA. 400+50.00 TO STA. 403+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4075	08-00032-00-RS	MCHENRY	49	39
		CONTRACT NO. 63193		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY	BY	DATE
NOTE BOOK	SURVEYED	
NO.	PLOTTED	
	TYPING SITE	
	AREAS	
	AREAS CHECKED	

ORIGINAL SURVEY	BY	DATE
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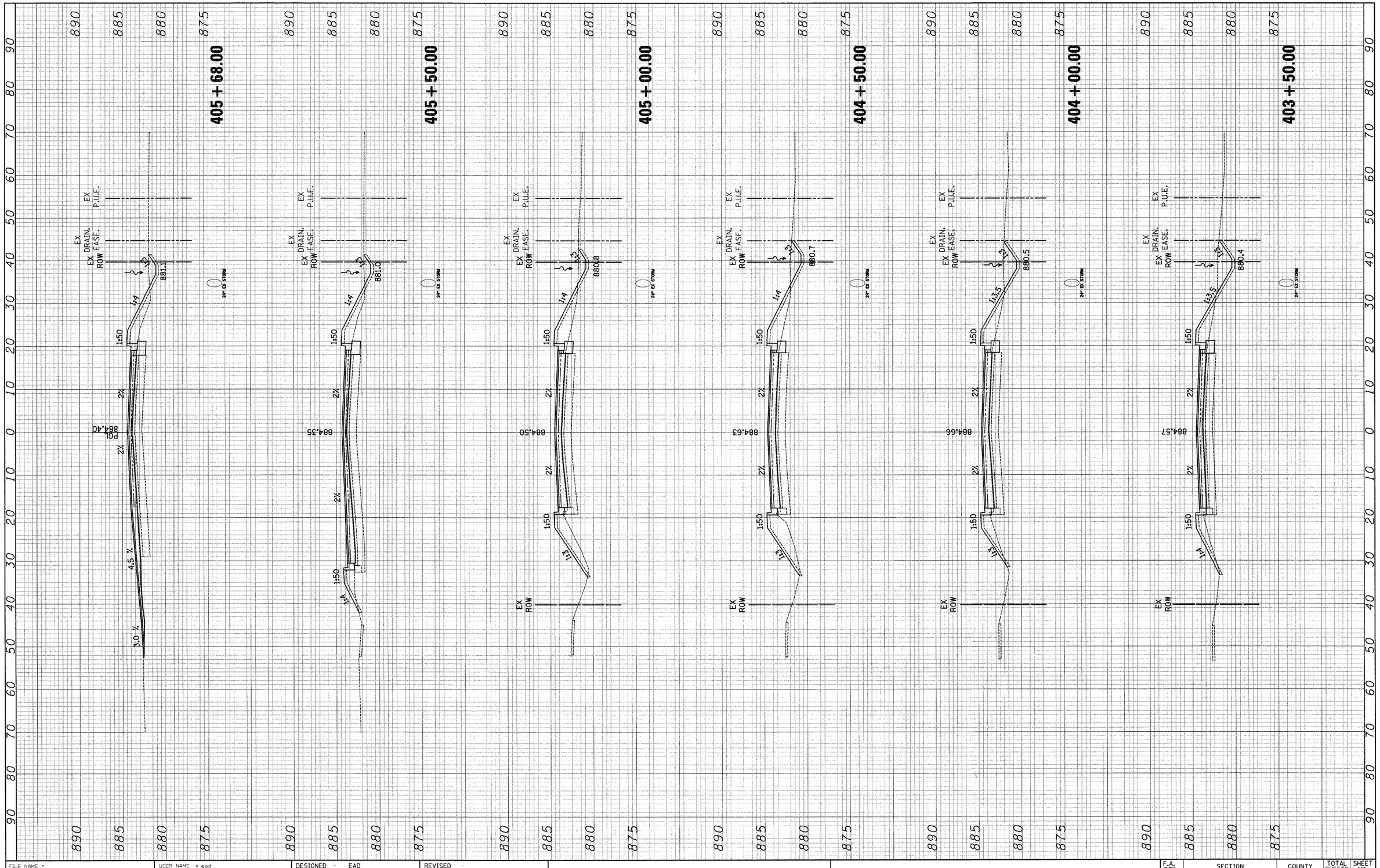

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	PLOT DATE = 5/1/2009	DATE - 5/1/09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

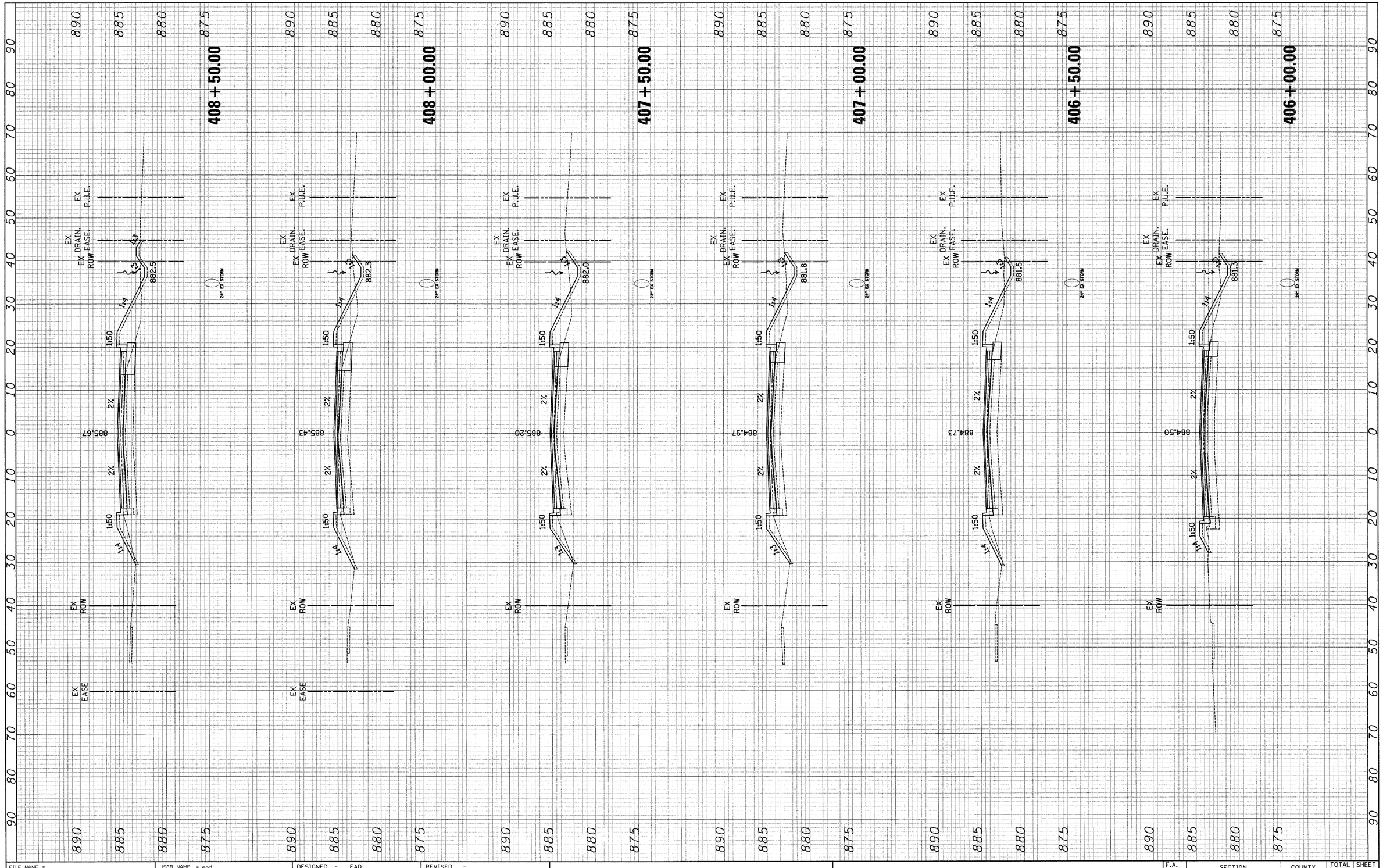
REVISED – REED ROAD CROSS SECTIONS

SCALE: 1"=5'V/10'H | SHEET NO. 2 OF 11 SHEETS | STA. 403+50.00 TO STA. 405+68.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4075	08-00032-00-RS	MCHENRY	49	40
		CONTRACT NO. 63193		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
NOTE BOOK	TOPSOIL SITE	
NO.	AREAS	
	AREAS CHECKED	

ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
NOTE BOOK	TOPSOIL SITE	
NO.	AREAS	
	AREAS CHECKED	



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

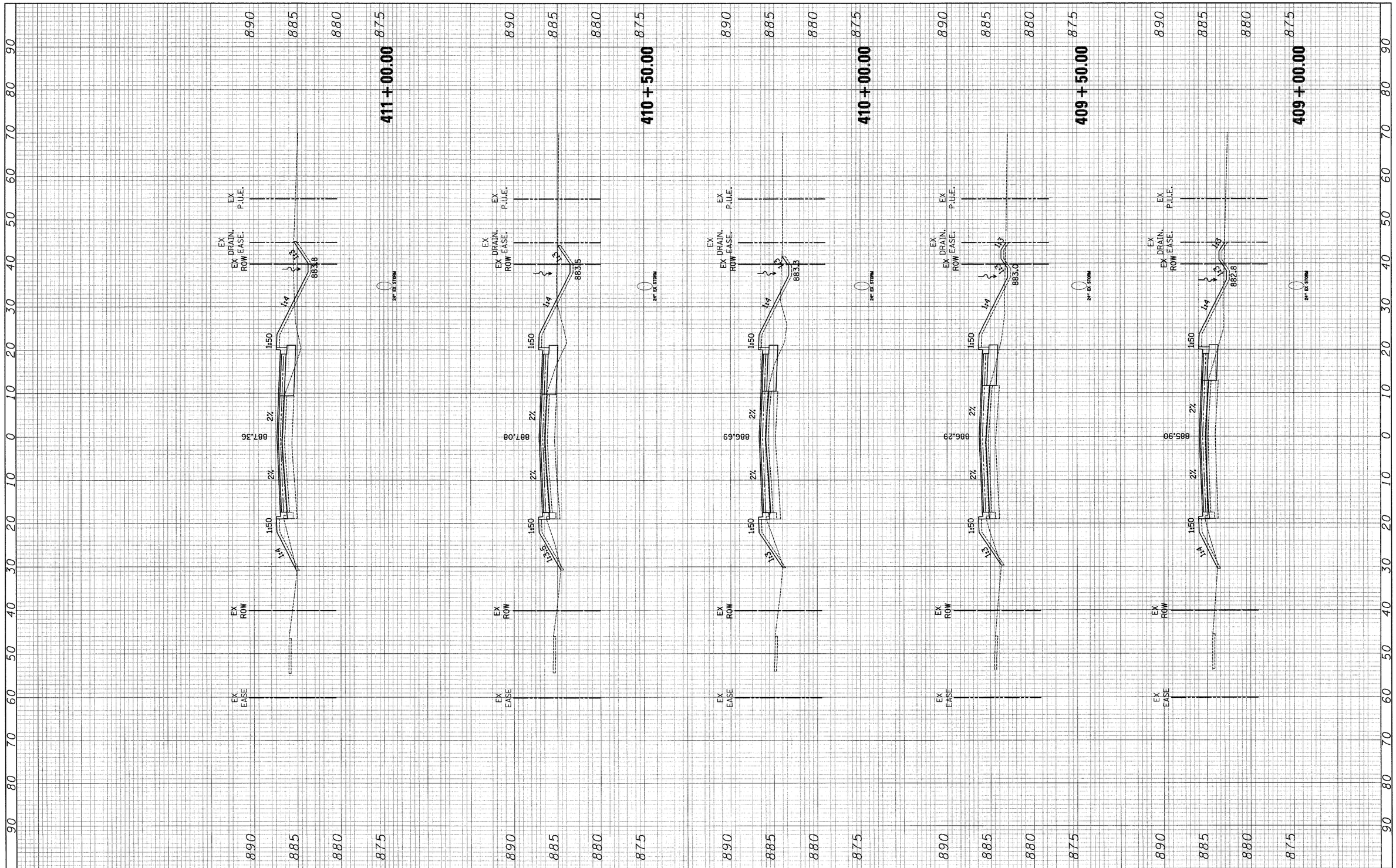
REVISED – REED ROAD CROSS SECTIONS

SCALE: 1"=5'V/10'H | SHEET NO. 3 OF 11 SHEETS | STA. 406+00.00 TO STA. 408+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4075	08-00032-00-RS	MCHENRY	49	41
		CONTRACT NO. 63193		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
NOTE BOOK		
SIGNATURE		
NO.	AREAS CHECKED	

ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
NOTE BOOK		
SIGNATURE		
NO.	AREAS CHECKED	



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

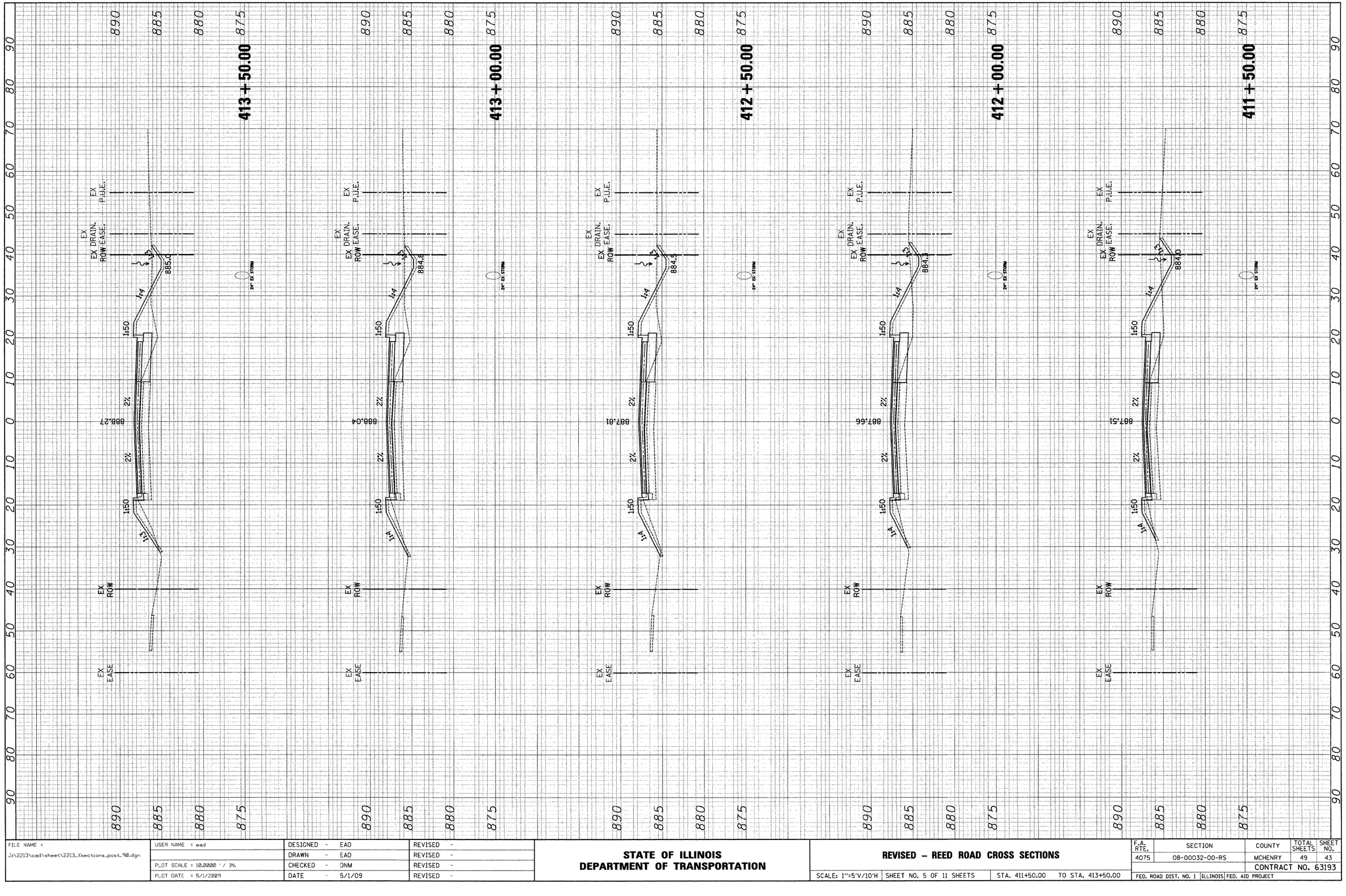
REVISED – REED ROAD CROSS SECTIONS

SCALE: 1"=5'V/10'H | SHEET NO. 4 OF 11 SHEETS | STA. 409+00.00 TO STA. 411+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4075	08-00032-00-RS	MCHENRY	49	42
		CONTRACT NO. 63193		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY		BY	DATE
	SURVEYED		
	PLOTTED		
NOTE BOOK	TRAVERSE		
	AREAS		
NO.	AREAS CHECKED		

ORIGINAL SURVEY		BY	DATE
	SURVEYED		
	PLOTTED		
NOTE BOOK	TRAVERSE		
	AREAS		
NO.	AREAS CHECKED		



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	PLOT DATE = 5/1/2009	DATE - 5/1/09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

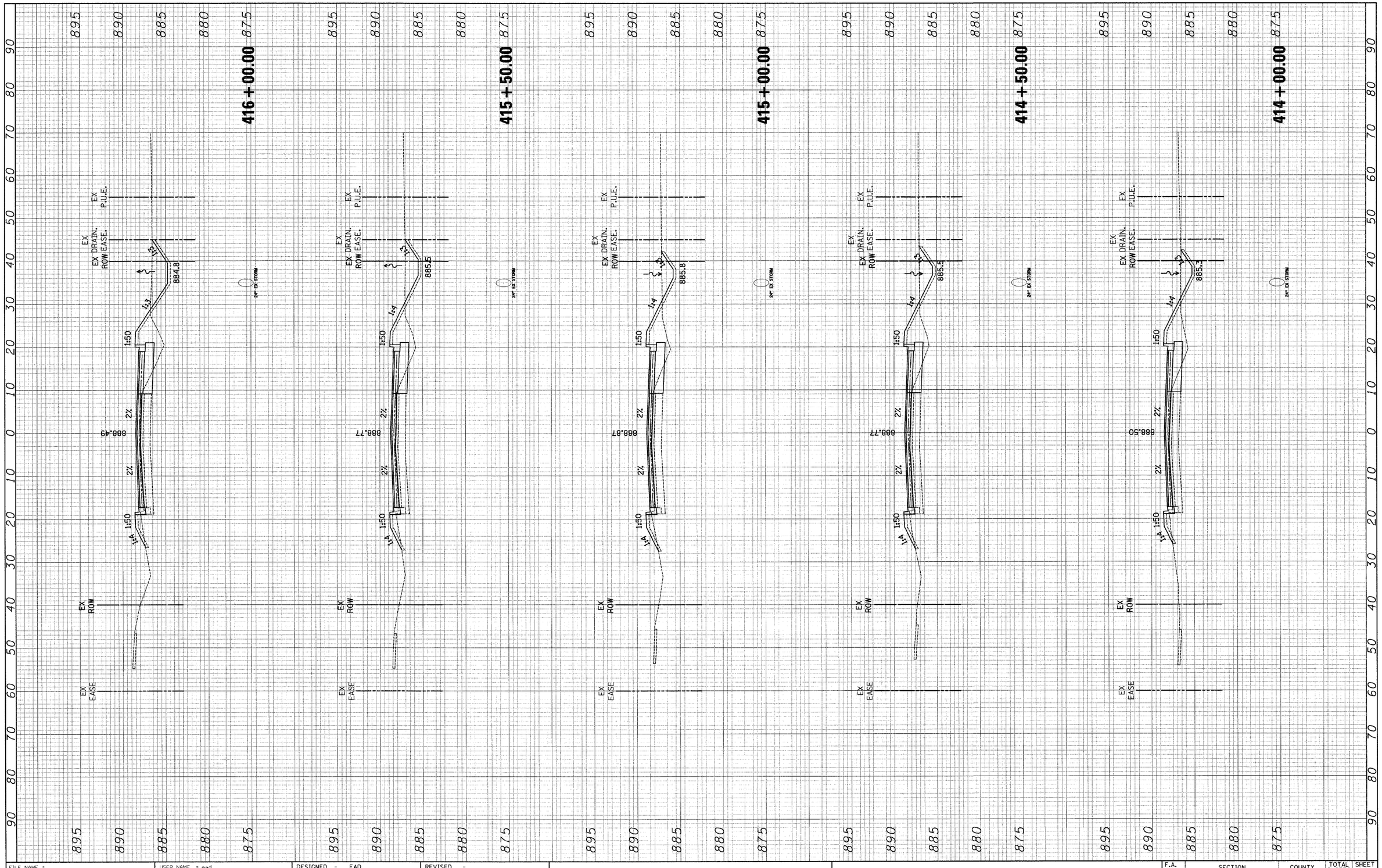
REVISED – REED ROAD CROSS SECTIONS

SCALE: 1"=5'V/10'H | SHEET NO. 5 OF 11 SHEETS | STA. 411+50.00 TO STA. 413+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4075	08-00032-00-RS	MCHENRY	49	43
		CONTRACT NO. 63193		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY	BY	DATE
NOTE BOOK	SURVEYED	
NO.	PLOTTED	
	TYPED	
	AREAS	
	AREAS CHECKED	

ORIGINAL SURVEY	BY	DATE
NOTE BOOK	SURVEYED	
NO.	PLOTTED	
	TYPED	
	AREAS	
	AREAS CHECKED	



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	PLOT DATE = 5/1/2009	DATE - 5/1/09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

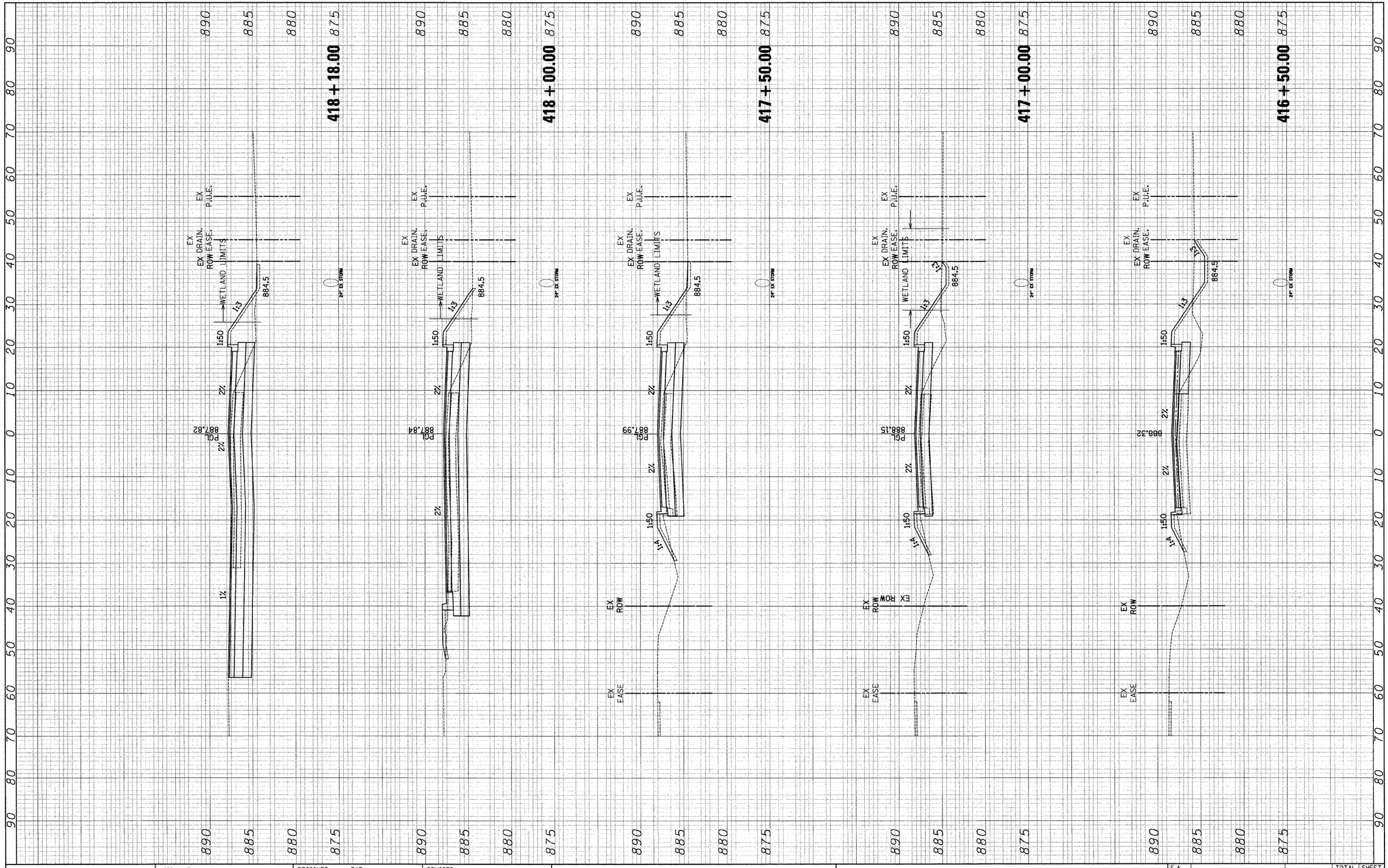
REVISED – REED ROAD CROSS SECTIONS

SCALE: 1"=5'V/10'H | SHEET NO. 6 OF 11 SHEETS | STA. 414+00.00 TO STA. 416+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4075	08-00032-00-RS	MCHENRY	49	44
		CONTRACT NO. 63193		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY	BY	DATE
NOTE BOOK	SURVEYED	
NO.	PLOTTED	
	TRIANGULATE	
	AREAS	
	AREAS CHECKED	

ORIGINAL SURVEY	BY	DATE
NOTE BOOK	SURVEYED	
NO.	PLOTTED	
	TRIANGULATE	
	AREAS	
	AREAS CHECKED	



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	PLOT DATE = 5/1/2009	DATE - 5/1/09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

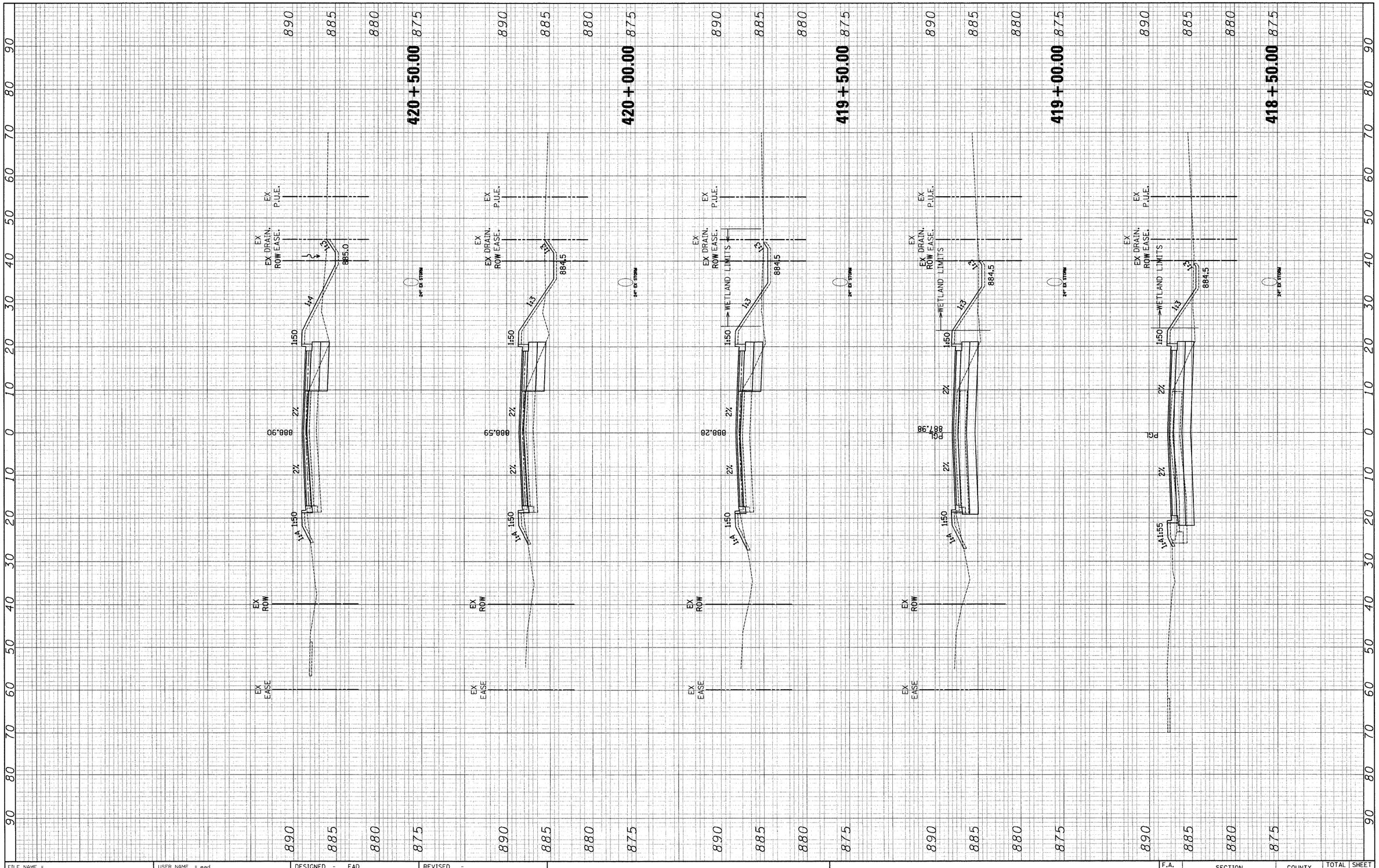
REVISED – REED ROAD CROSS SECTIONS

SCALE: 1"=5'V/10'H | SHEET NO. 7 OF 11 SHEETS | STA. 416+50.00 TO STA. 418+18.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4075	08-00032-00-RS	MCHENRY	49	45
		CONTRACT NO. 63193		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TYPICAL RATE		
NOTE BOOK		
AREAS		
NO.	AREAS CHECKED	

ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TYPICAL RATE		
NOTE BOOK		
AREAS		
NO.	AREAS CHECKED	



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	PLOT DATE = 5/1/2009	DATE - 5/1/09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

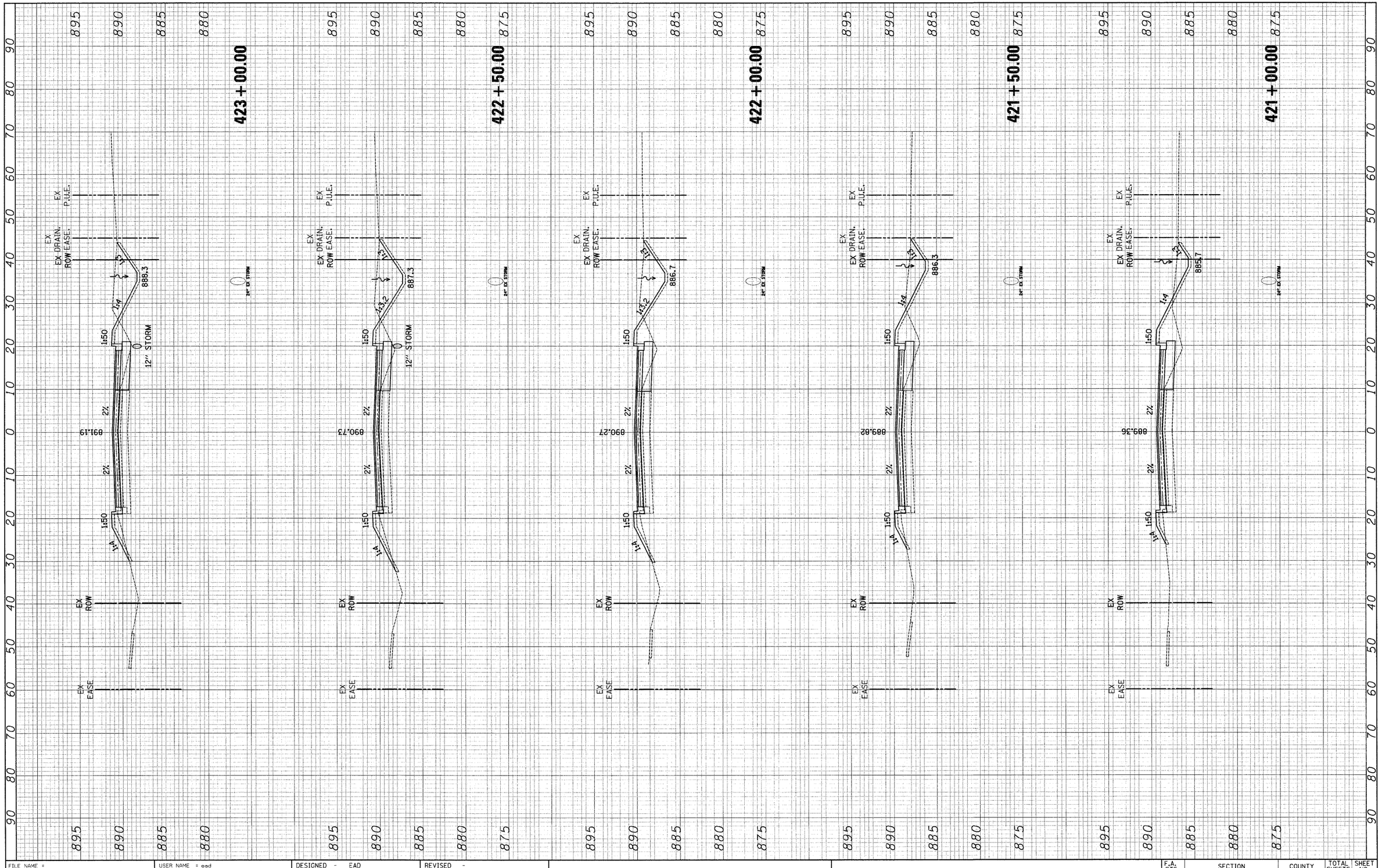
REVISED – REED ROAD CROSS SECTIONS

SCALE: 1"=5'V/10'H | SHEET NO. 8 OF 11 SHEETS | STA. 418+50.00 TO STA. 420+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4075	08-00032-00-RS	MCHENRY	49	46
		CONTRACT NO. 63193		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY	BY	DATE
NOTE BOOK	SURVEYED	
NO.	PLOTTED	
	TRIANGULATE	
	AREAS CHECKED	

ORIGINAL SURVEY	BY	DATE
NOTE BOOK	SURVEYED	
NO.	PLOTTED	
	TRIANGULATE	
	AREAS CHECKED	



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

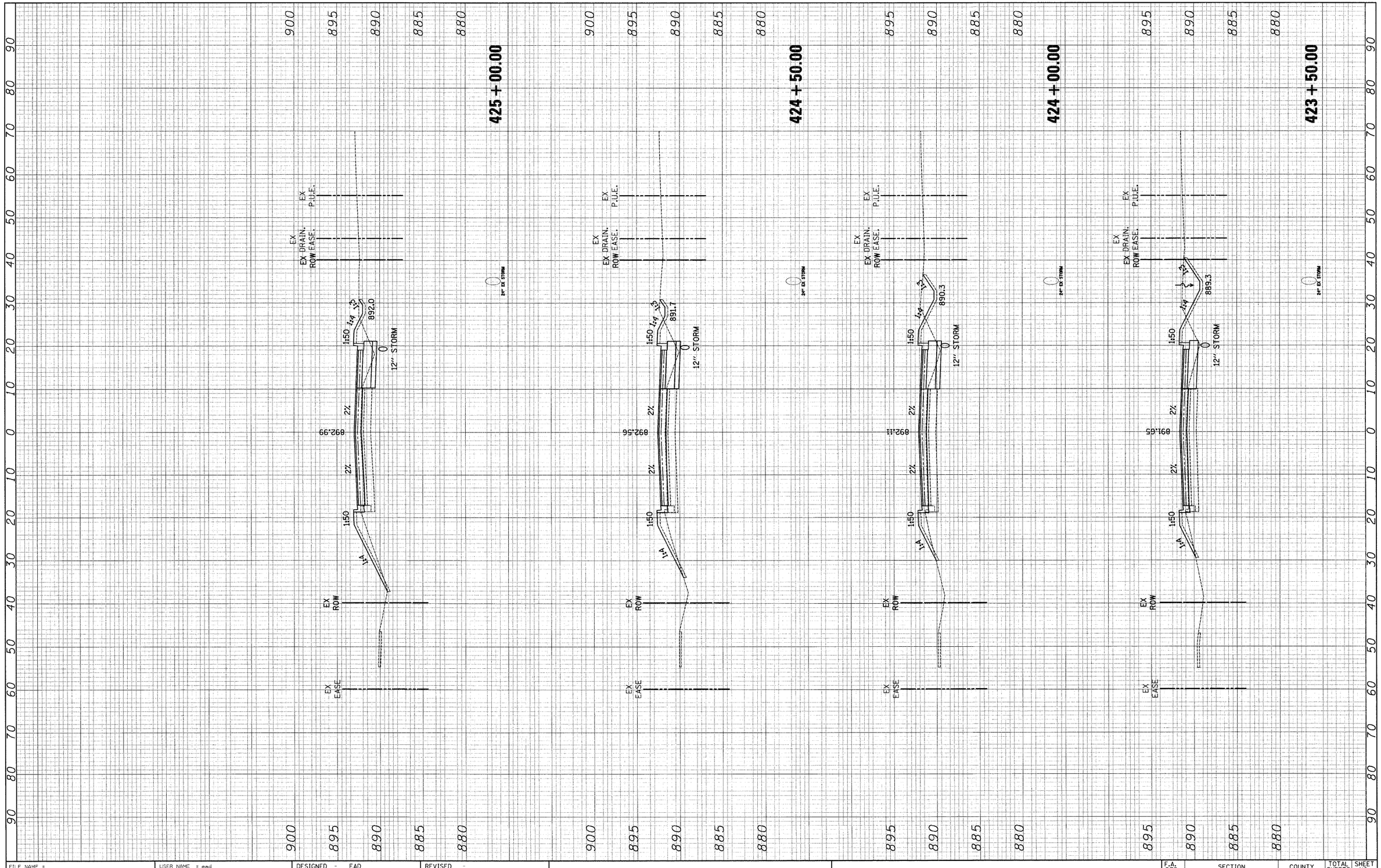
REVISED – REED ROAD CROSS SECTIONS

SCALE: 1"=5'V/10'H | SHEET NO. 9 OF 11 SHEETS | STA. 421+00.00 TO STA. 423+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4075	08-00032-00-RS	MCHENRY	49	47
		CONTRACT NO. 63193		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
NOTE BOOK		
NO.	AREAS CHECKED	

ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
NOTE BOOK		
NO.	AREAS CHECKED	



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

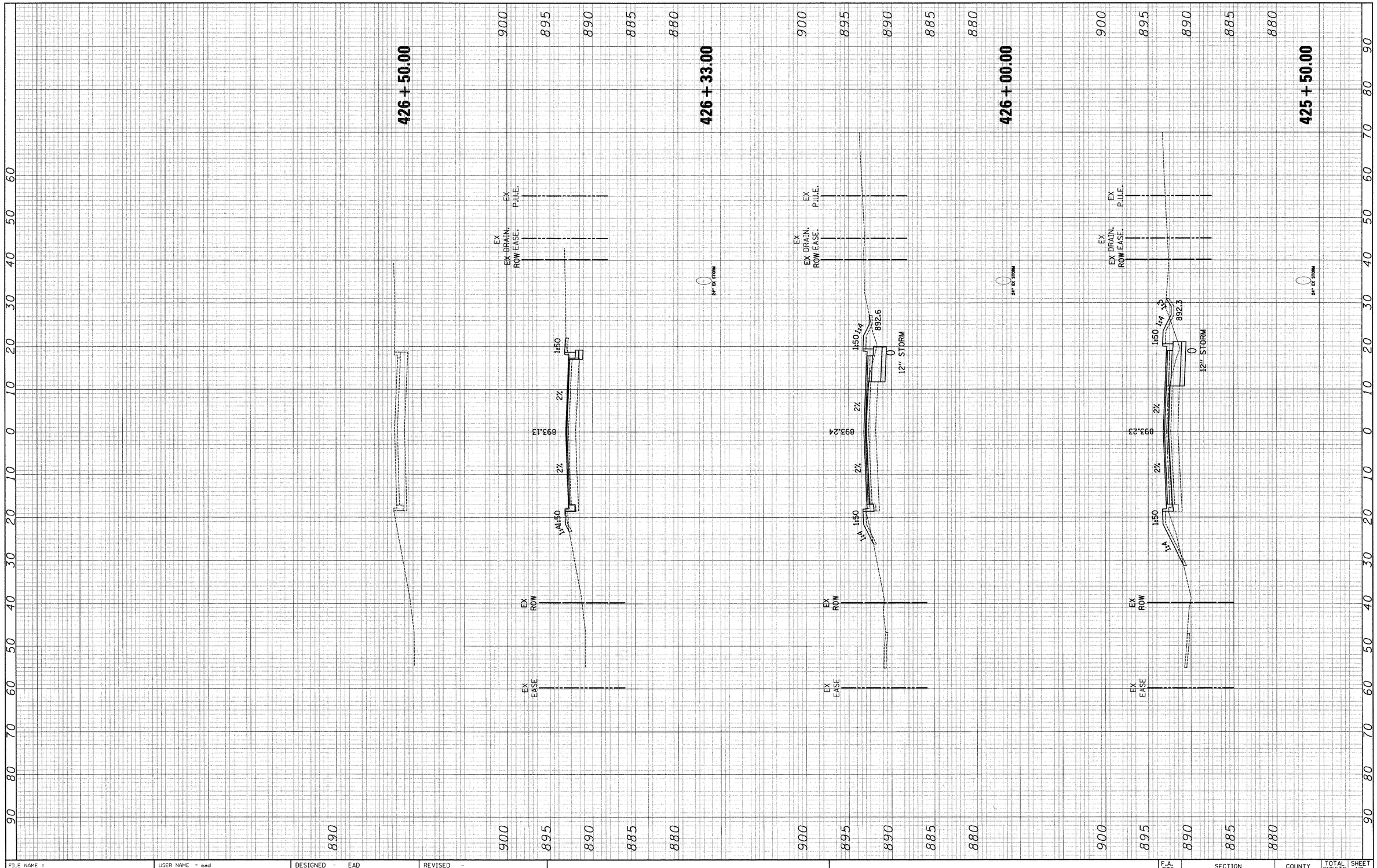
REVISED – REED ROAD CROSS SECTIONS

SCALE: 1"=5'V/10'H | SHEET NO. 10 OF 11 SHEETS | STA. 423+50.00 TO STA. 425+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4075	08-00032-00-RS	MCHENRY	49	48
		CONTRACT NO. 63193		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY	BY	DATE
NOTE BOOK	SURVEYED	
NO.	PLOTTED	
	TYPED/LETT.	
	AREAS	
	AREAS CHECKED	

ORIGINAL SURVEY	BY	DATE
NOTE BOOK	SURVEYED	
NO.	PLOTTED	
	TYPED/LETT.	
	AREAS	
	AREAS CHECKED	



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REVISED – REED ROAD CROSS SECTIONS

SCALE: 1"=5'V/10'H | SHEET NO. 11 OF 11 SHEETS | STA. 425+50.00 TO STA. 426+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4075	08-00032-00-RS	MCHENRY	49	49
		CONTRACT NO. 63193		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		