STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION PLANS FOR PROPOSED LOCAL AGENCY IMPROVEMENT FEDERAL-AID PROJECT

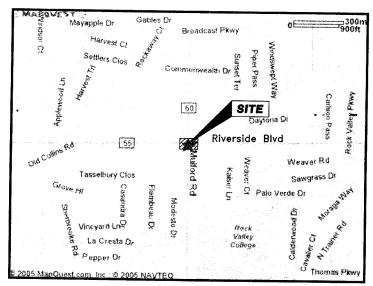
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FAP 525 (RIVERSIDE BLVD.) SECTION 03-00334-00-SP PROJECT NO. HS-525 (105) JOB NO. C-92-086-04 CONTRACT NO. 85357



PROJECT LOCATION MAP

NET LENGTH: 1583 FEET (0.300 MILES) ADT: MULFORD ROAD - VAR 21,700 TO 24,400 RIVERSIDE BLVD - VAR 16,600 TO 19,200 URBAN MINOR ARTERIAL



CALL J.U.L.I.E. BEFORE YOU DIG 1-800-892-0123

ENGINEER.



1475 S. PERRYVILLE ROAD ROCKFORD, ILLINOIS 61108 VOICE: (815) 484—4300 FAX: (815) 484—4303



STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS

LOCAL AGENCY OFFICIAL PASSED DISTRICT ENGINEER OF LOCAL ROADS REGIONAL ENGINEER

ARC PROJECT NO. 04227

UTILITY OFFICIALS

GAS: SCOTT PUFFER NICOR GAS COMPANY 300 W. TERRA COTTA AVENUE CRYSTAL LAKE, IL 60014 (815) 455-0271 ph. (815) 455-4688 fax

ELECTRIC:

LARRY MEYERS COMMONWEALTH EDISON COMPANY 123 ENERGY AVENUE ROCKFORD, IL. 61109 (815) 490-2257

TELEPHONE:

STEVEN JONES 2404 8TH AVE ROCKFORD, IL 61108 (815) 394-7270

WATER,

JOHN MARTIN CITY OF ROCKFORD PUBLIC WORKS 425 E. STATE STREET ROCKFORD, IL. 61104 (815) 961-3766

CABLE TELEVISION.

LORI BORDER
INSIGHT COMMUNICATIONS 811 21ST STREET ROCKFORD, IL. 61101 (815) 987-4510

SEWER.

MIKE OLSON ROCK RIVER WATER RECLAMATION DISTRICT 3333 KISHWAUKEE STREET ROCKFORD, IL. 61109 (815) 397-7660

GENERAL NOTES AND CONDITIONS

All earthwork, grading and paving shall be performed in accordance with Standard Specifications for Road and Bridge Construction in Illinois, State of Illinois Department of Transportation, adopted Jan. 1, 2002, the "Supplemental Specifications and Recurring Special Provision" (current edition), and all revisions and supplements thereto, and the requirements and specifications of the Illinois Department of Transportation and/or Winnebago County (where applicable).

All water main shall be constructed in accordance with the Standard Specifications for Water and Sewer Main Construction in illinois Fifth Edition dated May 1996, and all revisions and supplements thereto, and the Standard Specifications and Requirements of the City of Rockford or City of Loves Park. The Contractor is responsible for familiarizing himself with the

Notify the following at least 72 hours prior to start of construction:

- 1. Winnebago County Highway Dept. (815) 965-9431 2. City of Rockford Dept. of Public Works (815) 987-5570
- 3. City of Loves Park Street Dept. (815) 654-5040
- 4. Arc Design Resources, Inc. (815) 484-4300

The Contractor shall keep careful measurements and records of all construction and shall furnish the Engineer and IDOT with record drawings upon completion of his work.

The Contractor shall be responsible for protecting utility property during construction operations as outlined in Article 107.31 of the Standard Specifications. The J.U.L.I.E. number is 800-892-0123. These utilities located within the project limits or immediately adjacent to the project construction limits are members of J.U.L.I.E.

Commonwealth Edison Nicor Gas Company
Ameritech Telephone Company Rock River Water Reclamation District
Verizon Communications (GTE) City of Loves Park

These are known utilities located within the project limits or immediately adjacent to the project construction limits which are not members of J.U.L.I.E. and should be notified individually by the Contractor.

Insight Communications Mr. John Martin 811 21st Street Rockford, IL 61110 City of Rockford 425 East State Street 815-962-4400 Rockford II 61104

A minimum of 72 hours advance notice is required for non-emergency work.

The Contractor shall contact the City of Loves Park and/or City of Rockford for all water main shutoffs required due to construction operations. The Contractor shall not operate any valves or shutoffs without prior notification. The dividing line for the corporate limits is Riverside Bivd.

Any excess dirt or materials shall be disposed of by the Contractor offsite or as directed by the Engineer at the Contractor's

All structures, inlets, pipes, swales and roads must be kept clean and free of dirt, and debris at all times.

The Contractor is responsible for maintaining adequate signs, barricades, fencing, traffic control devices and measures, and all er measures that are necessary to protect the safety of the site at all times

When artificial lighting is utilized in night operations, the Contractor shall exercise the utmost precautions preventing adverse visibility to the motoring public and adjoining residential areas.

The Contractor shall provide and install two weighted sand bags on the bottom cross member of each type I barricade used.

The Contractor shall field verify the elevations of the benchmarks prior to commencing work. The Contractor shall also field verify the location and elevation of existing pipe inverts, curb or pavement where matching into existing work. The Contractor shall field verify horizontal control by referencing property corners to known property lines. Notify the engineer of any discrepancies between information shown on the plans and field measurements.

STORM SEWERS, WATERMAINS, AND UTILITIES

All storm sewer connections made to the ends of existing sewers, for the purpose of extensions shall be made with a concrete collar or other means that will provide a non-leaking seal at the connection point. This work shall be performed in accordance with section 550 of the Standard Specifications and shall be considered incidental to the cost of the associated length of new storm sewer, unless noted otherwise

In accordance with the standard specifications any additional sand backfill required for new structures or structure removals shall be incidental to their respective items.

SOIL EROSION, SEDIMENT CONTROL AND LANDSCAPING

The "Standard Specifications for Soil Erosion and Sediment Control 1987 Edition, WPC/87-012 as published by the Illinois Environmental Protection Agency shall govern soil erosion practices on this project

Any disturbed areas shall be kept to a practical minimum and shall be sodded or paved as soon as possible. This shall be done in an effort to minimize slitation within the construction zone and to eliminate sediments from

Stockpiles shall have a berm or trench around the circumference to control silt if needed. If the stockpile is to remain for more than nine months, it must have sufficient vegetation to control both water and wind erosion.

Straw bales firmly anchored or slit fence shall be placed around all inlets, catchbasins, and swales that receive sitty runoff during the course of

All site development and soil erosion control measures must meet the requirements of the City of Rockford. The resident Engineer will determine if temporary erosion control systems shown on the plan can be deleted, the proper method of installation, and if any additional erosion control systems shall be added which are not included in the plans.

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Construct temporary site access points using an aggregate surface. Do not track or spill dirt clumps onto adjacent roadways. If dirt is deposited on public pavements, remove the dirt and clean the pavements at the end of each day's operations.

Perimeter silt fence shall be placed prior to beginning earthwork within construction zone.

Temporary erosion control systems shall be left in place with proper maintenance until permanent erosion control is in place and working properly and all proposed turf areas are seeded and established. Once permanent erosion control systems as proposed in the plans are functional and established, temporary items shall be removed, cleaned up and disturbed turf reseeded.

EARTHWORK, GRADING AND PAVING

The subgrade of payement areas shall be free of all unsuitable material and shall be compacted to a minimum 95 per cent of modified proctor density.

The subgrade shall be inspected and approved by Winnebago County or its agents prior to placing the base material. Notify the engineer at least 48 hours prior to finish subgrade preparation in order to set up an inspection.

Cut or fill slopes shall have a maximum ratio of 4 horizontal to one vertical. These slope constraints apply to temporary stock piles as well as finished slope conditions.

The Contractor is responsible for maintaining positive drainage at the conclusion of each

Depressed curb shall be provided for handicapped ramps at all sidewalks abutting the curb and gutter and for future sidewalk locations. Truncated dome detection is

See cross sections for special slopes, including driveway slopes.

The transition from the proposed curb and gutter section to a different height, type or depressed section at the end of returns or at other connections to existing curb and gutter will be made in 4 feet, unless specified otherwise. This transition shall be paid for as proposed curb and gutter of the type specified.

The following application rates have been used to determine plan quantities of the

Aggregate Materials (Prime Coat) at 4.0 lbs/s.v. Bituminous Materials (Prime Coat) at 0.10 gallons/s.y./application Bituminous Base and Binder Course at 115 lbs/s.y./inch Bituminous Surface Courses at 115 lbs/s.y./inch Aggregate Materials at 110 lbs/s.y./inch

Tie the following

All sawcuts, including sawcut pavement (Full Depth), sawing Bituminous Surface and other sawcutting listed or implied on the plans shall be incidental to the accompanying removal items shown, in accordance with the special provisions for this project.

Tie bars shall be installed to tie PCC appurtenance to adjacent existing concrete

to the existing concrete pavement		Length, size, and spacing of Tie Bars	
Gutter or Curb & Gutter	Std. 606001	600 mm (24") long No. 20 (No. 6) @ 600 mm (24") centers	
PCC Base Course	Std. 353001	600 mm (24") long No. 20 (No. 6) @ 750 mm (30") centers	
PCC Pavement	Std. 420101	600 mm (24") long No. 20 (No. 6) @	

Tie bars to be installed in accordance with the applicable portions of Article 420.10(b) of the Standard Specifications. See Highway Standard 420001 for detail on longitudinal construction joint grouted—in—place tie bar. The cost of the tie bars to be included in the cost of the PCC appurtenance adjacent to the existing pavement.

LEGEND

existing	proposed	
상	\odot	deciduous tree
*	₩	evergreen tree
Ö	Ō	ornamental tree
ø		utility pole
Ø		utility pole w/ guy wire
*		light pole
£	Е	electric line
4" G	4" G	gas main
Т	т	telephone line
E)		electric pedestal/trans.
Ľ		telephone pedestal
0		telephone vault
a		utility pedestal (unknown)
歷		mailbox
8"W	8"W	water main
		water service w/ box
8	Θ	valve box/valve and vault
Ω	Ω	fire hydrant
		sanitary sewer and service
——)———	}	sanitary sewer service
		santtary forcemain
©	•	sanitary manhole
		storm sewer
D	D	conc. end section
\Box	. >	metal end section
0	•	storm manhole
0	•	inlet type A
The state of		curb inlet type 700
ा	•	inlet special
-0-	•	sign
		right-of-way
	• • ·	Raised reflective pavement marker(RRPM) with 2-sided blue lens(B/B) used for fire hydrant identification



DESIGN RESOURCES INC.

> CIVIL ENGINEERING LAND SURVEYING

ROCKFORD, ILLINOIS 61108 (815) 484-4300 (815) 484-4303 FAX

PROJECT NAME OWNER'S NAME

MULFORD RD./ RIVERSIDE BLVD INTERSECTION 03-00334-00-SP

WINNEBAGO COUNTY HIGHWAY DEPARTMENT 424 N SPRINGFIELD AVENUE ROCKFORD, IL 61101 (815) 965-9431 CONSULTANTS

SEAL / SIGNATURE

ACENCY REVIEW AGENCY REVIEW 05.13.05

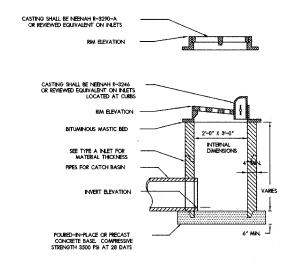
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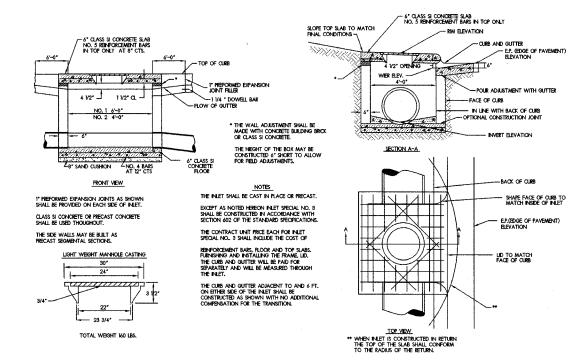
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SHEET TITLE

GENERAL NOTES



1 INLET 700

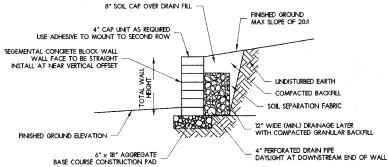


INLET SPECIAL NO. 2

SUMMARY OF QUANTITIES

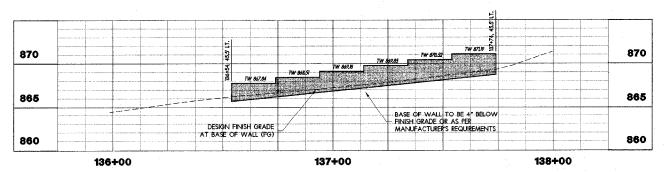
J000-2A

20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	32
20100700	TREE REMOVAL (UNDER 6 INCH DIAMETER)	IN DIA	8
20200100	EARTH EXCAVATION	CU YD	800
25200100	SODDING	SQ YD	1100
25200200	SUPPLEMENTAL WATERING	UNIT	20
28000400	PERIMETER EROSION BARRIER	FOOT	850
28000500	INLET AND PIPE PROTECTION	EACH	8
31101200	SUB-BASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	1510
35102400	AGGREGATE BASE COURSE, TYPE B, 12"	SQ YD	250
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GAL	75
x4066614	BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19.0, N.50	TON	25
X4066429	BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "D", N50	TON	25
42000300	PORTLAND CEMENT CONCRETE PAVEMENT 8"	SQ YD	1125
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	460
44000100	PAVEMENT REMOVAL	SQ YD	275
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	410
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	1250
44000600	SIDEWALK REMOVAL	SQ FT	495
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1
55100200	STORM SEWER REMOVAL 6"	FOOT	6
55100500	STORM SEWER REMOVAL 12"	FOOT	11
60262900	INLETS TO BE RECONSTRUCTED WITH NEW TYPE 1 FRAME, OPEN LID	EACH	2
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	240
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	915
70103700	TRAFFIC CONTROL COMPLETE	LSUM	1
# 78001100	PAINT PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	177
* 78001130	PAINT PAVEMENT MARKING - LINE 6"	FOOT	750
≭ 78001180	PAINT PAVEMENT MARKING - LINE 24"	FOOT	40
* 87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 147C	FOOT	1062
* 89502200	MODIFY EXISTING CONTROLLER	EACH	1
X0323144	MODULAR SEGMENTAL BLOCK RETAINING WALL	SQ FT	210
¥ X8801395	SIGNAL HEAD ,POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4
XX000968	INLET TYPE 700	EACH	3
XX005067	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT 8" (HIGH EARLY CONCRETE		324
60242600	INLET SPECIAL NO. 2	EACH	1
XXO06347.	STORM MANHOLE TYPE A - 3" DIA. W/M&DIAN DRAIN FR & GR W/ FLAT SLAB TOP	EACH	1
42400800	DETECTABLE WARNING	SQ FT	80
67100100	MOBILIZATION	LSUM	1
X X 004007	BITUMINOUS DRIVEWAY PAVEMENT	SQ YD	160
XX00635G	RECONSTRUCT WEET SPECIAL HO. !	EACH	1
8*	SOIL CAP OVER DRAIN FILL -		



2 MODULAR BLOCK RETAINING WALL

* SPECIALTY ITEMS



3 DETAIL OF SEGMENTAL CONCRETE BLOCK WALLS
SOME: 1 - 20 HORSONTAL
SOME : 1 - 20 HORSONTAL

ARC

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CIVIL ENGINEERING AND LAND SURVEYING

1475 S. PERRYVILLE ROAD ROCKFORD, ILLINOIS 61108 (815) 484-4300 (815) 484-4303 FAX

PROJECT NAME OWNER'S NAME

MULFORD RD./ RIVERSIDE BLVD INTERSECTION 03-00334-00-SP

WINNEAGO COUNTY
HIGHWAY DEPARTMENT
424 N SPRINGFIELD AVENUE
ROCKFORD, IL. 61101
(815) 965-9431
CONSULTANTS

SEAL / SIGNATURE

AGENCY REVEW 05.18.05
AGENCY REVEW 05.18.05

REVISIONS

RO. ITEM DATE

DATE

DRAWN MWT

CHECKED ITS

PROJECT NUMBER

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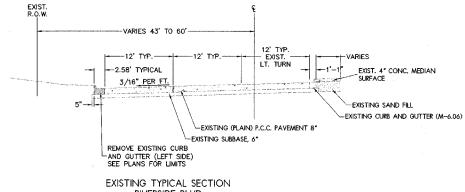
QUANTITIES, DETAILS, AND WALL PROFILES

04227

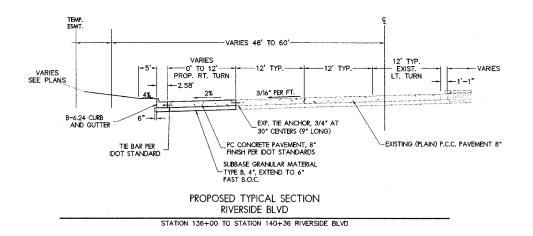
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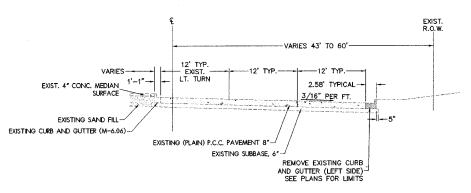
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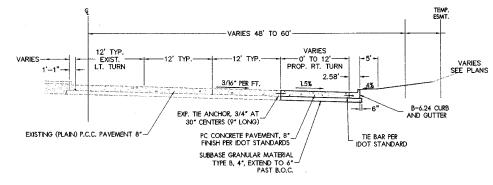








EXISTING TYPICAL SECTION MULFORD ROAD



PROPOSED TYPICAL SECTION MULFORD ROAD

STATION 205+50 TO STATION 210+00 MULFORD ROAD

SUPERPAVE GRADATION TABLE

USAGE	BINDER	SURFACE
PG:	PG 64-22	PG 64-22
RAP%: (MAX)	25%	15
DESIGN AIR VOIDS	4.2@NS0	4.2 @ NSO
MIXTURE COMPOSITION (GRADATION MIXTURE)	IL 19.0	IL 9.5 or 12.5
FRICTION AGG.	NA.	D

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PROJECT NAME OWNER'S NAME

MULFORD RD./ RIVERSIDE BLVD INTERSECTION 03-00334-00-SP

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CONSULTANTS

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AGENCY REVIEW AGENCY REVIEW

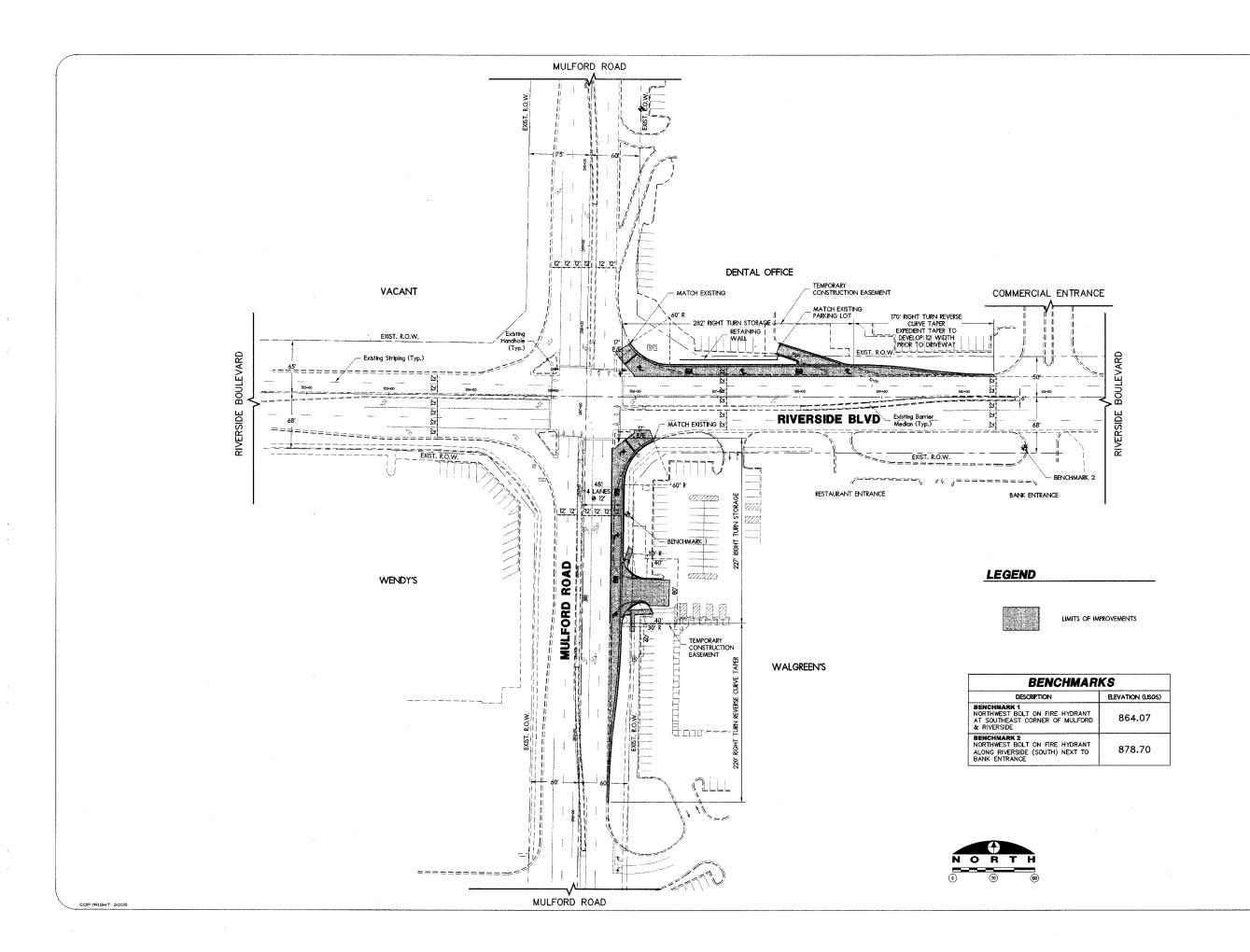
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TYPICAL **SECTIONS**





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03-00334-00-SP WINNEBAGO COUNTY HIGHWAY DEPARTMENT

HIGHWAY DEPARTMENT 424 N SPRINGFIELD AVENUE ROCKFORD, IL 61101 (815) 965-9431 GONBULTANTS

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NO. ITEM DATE

DATE

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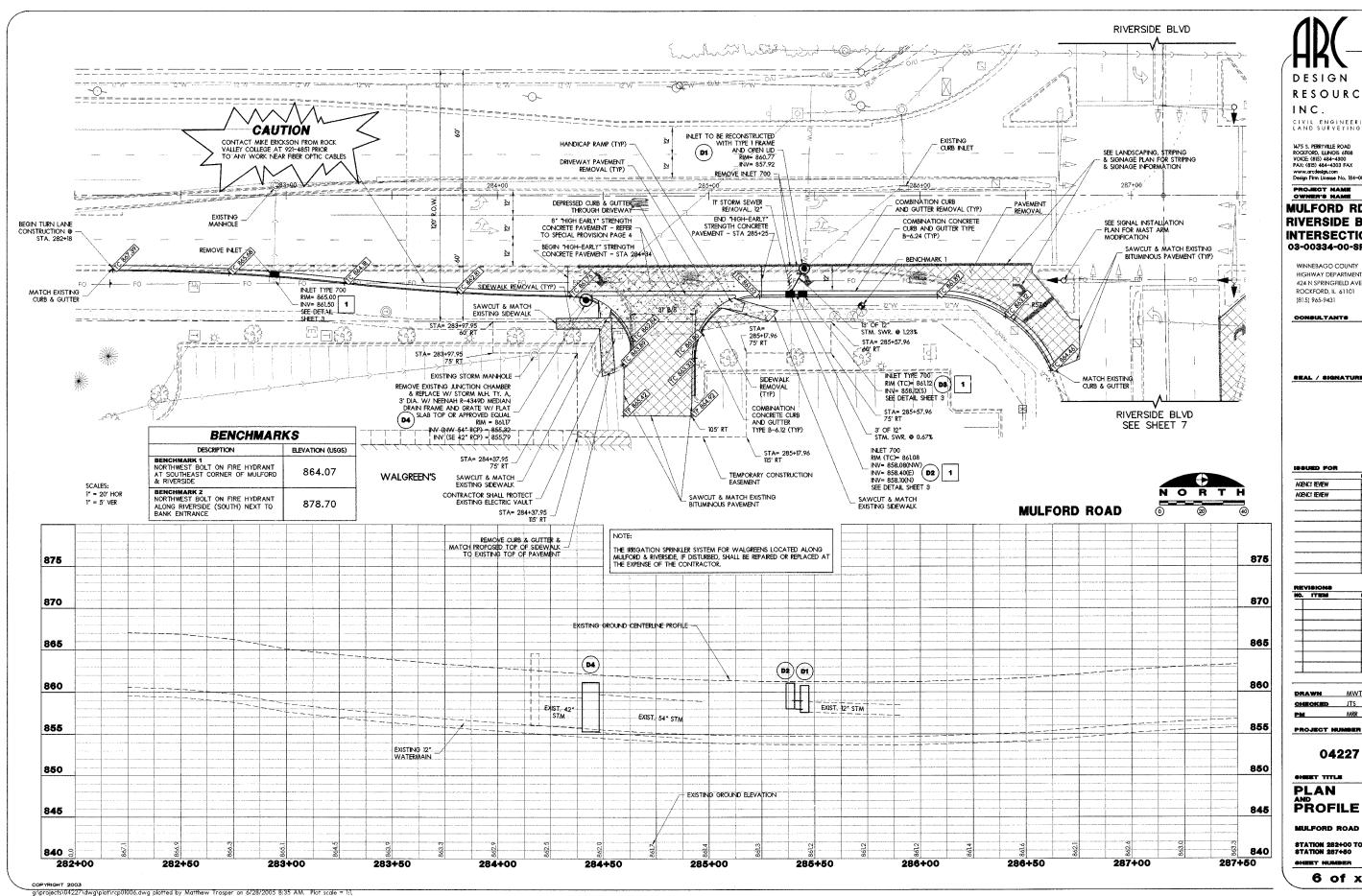
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COMPREHENSIVE SITE PLAN

04227

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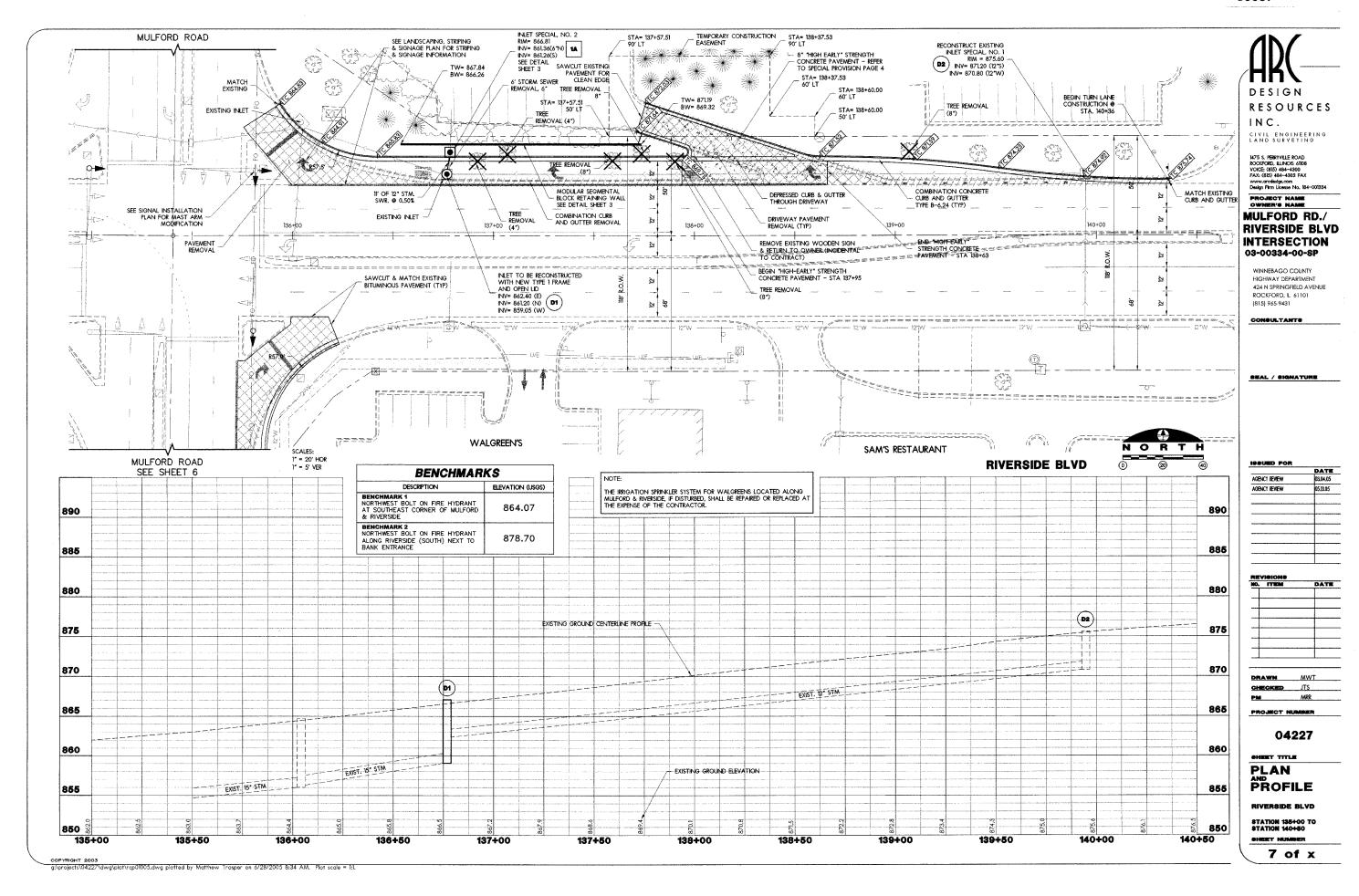
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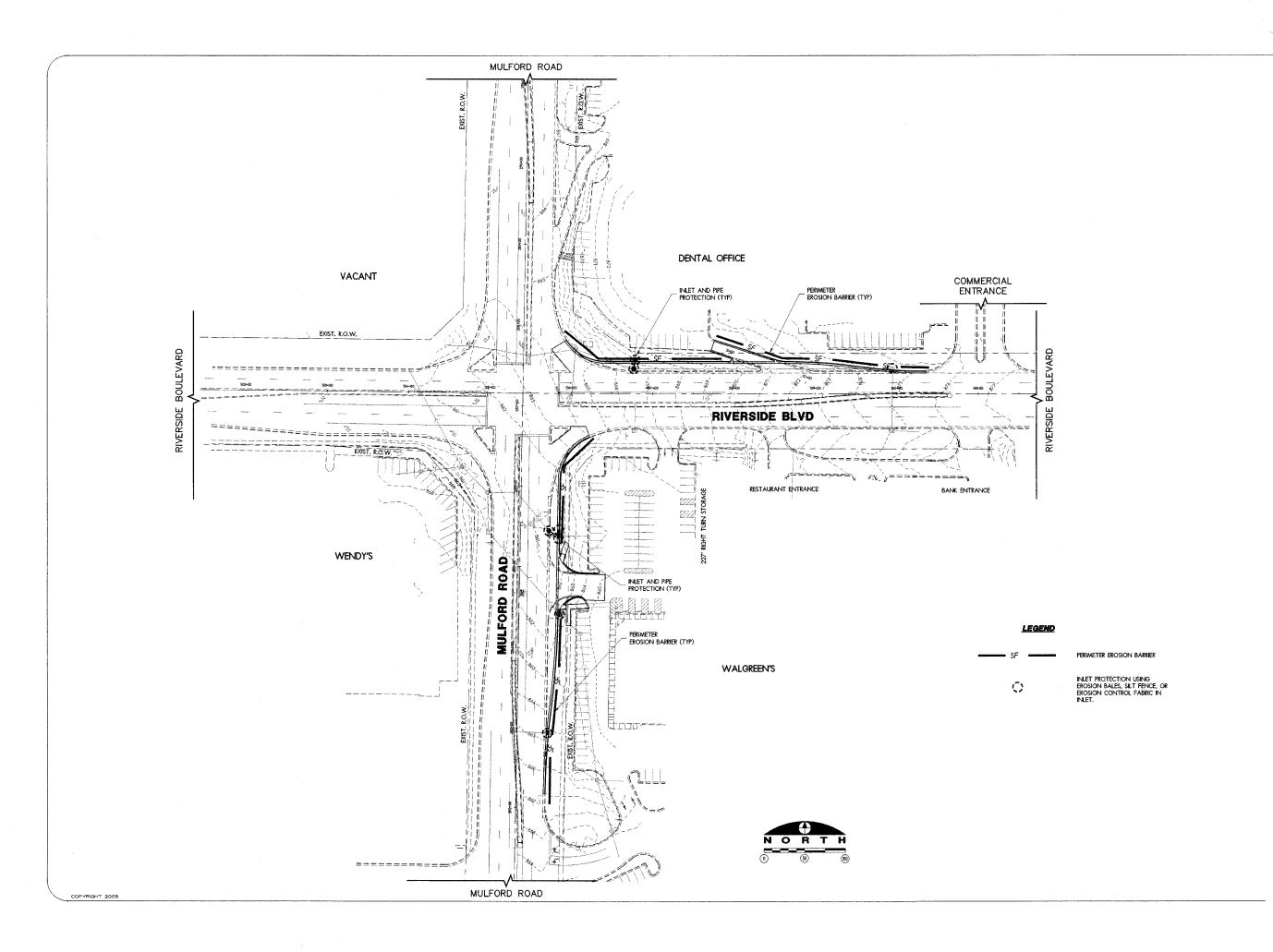
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AGENCY REVIEW AGENCY REVIEW 05,13,05 DATE PROJECT NUMBE 04227

MULFORD ROAD

STATION 282+00 TO STATION 287+50







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PROJECT NAME OWNER'S NAME

MULFORD RD./ RIVERSIDE BLVD INTERSECTION

O3-00334-00-SP
WINNEBAGO COUNTY
HIGHWAY DEPARTMENT
424 N SPRINGFIELD AVENUE
ROCKFORD, IL 61101
(815) 965-9431

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ISSUED FOR

CHECKED JTS

PROJECT NUMBER

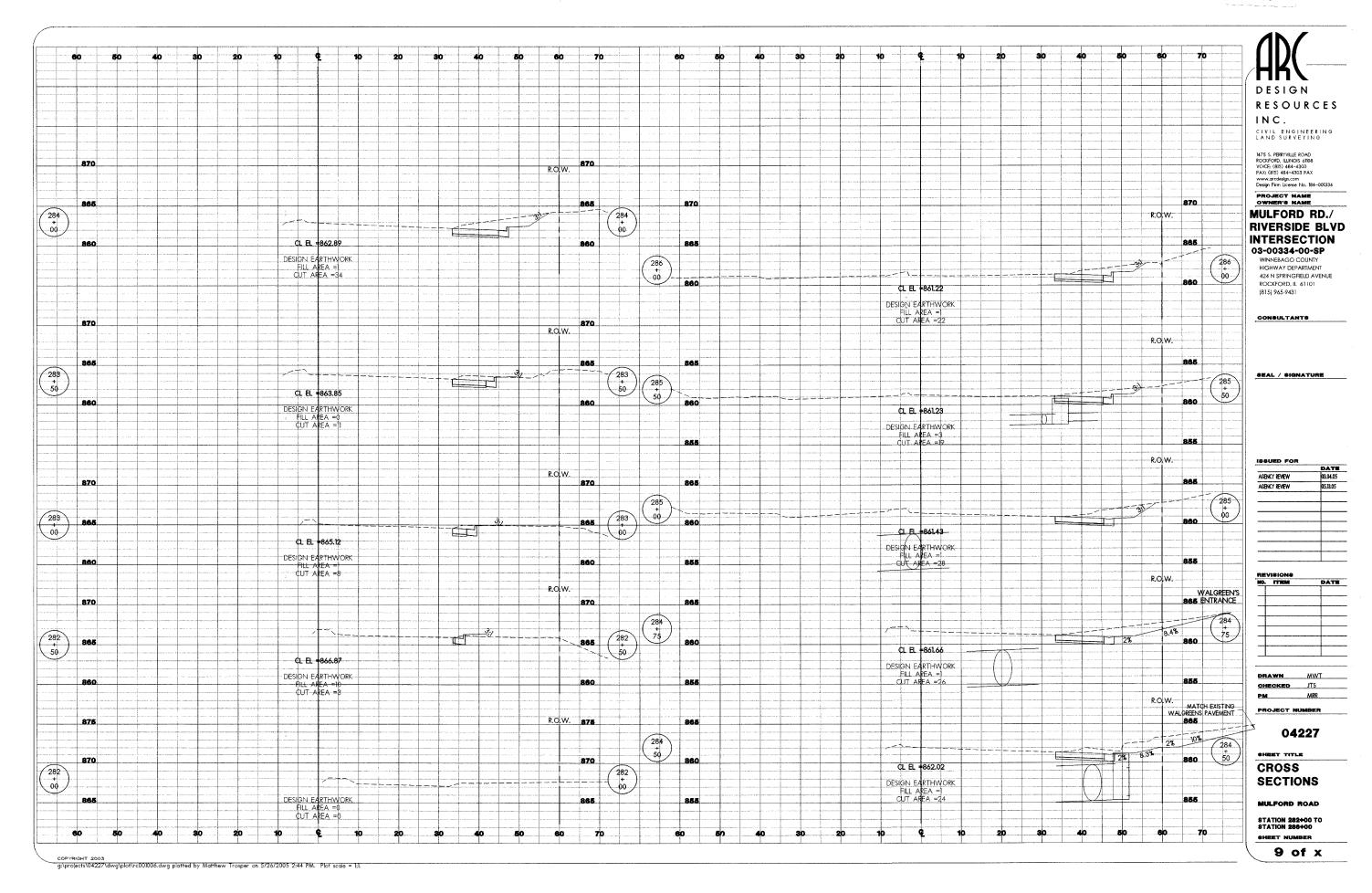
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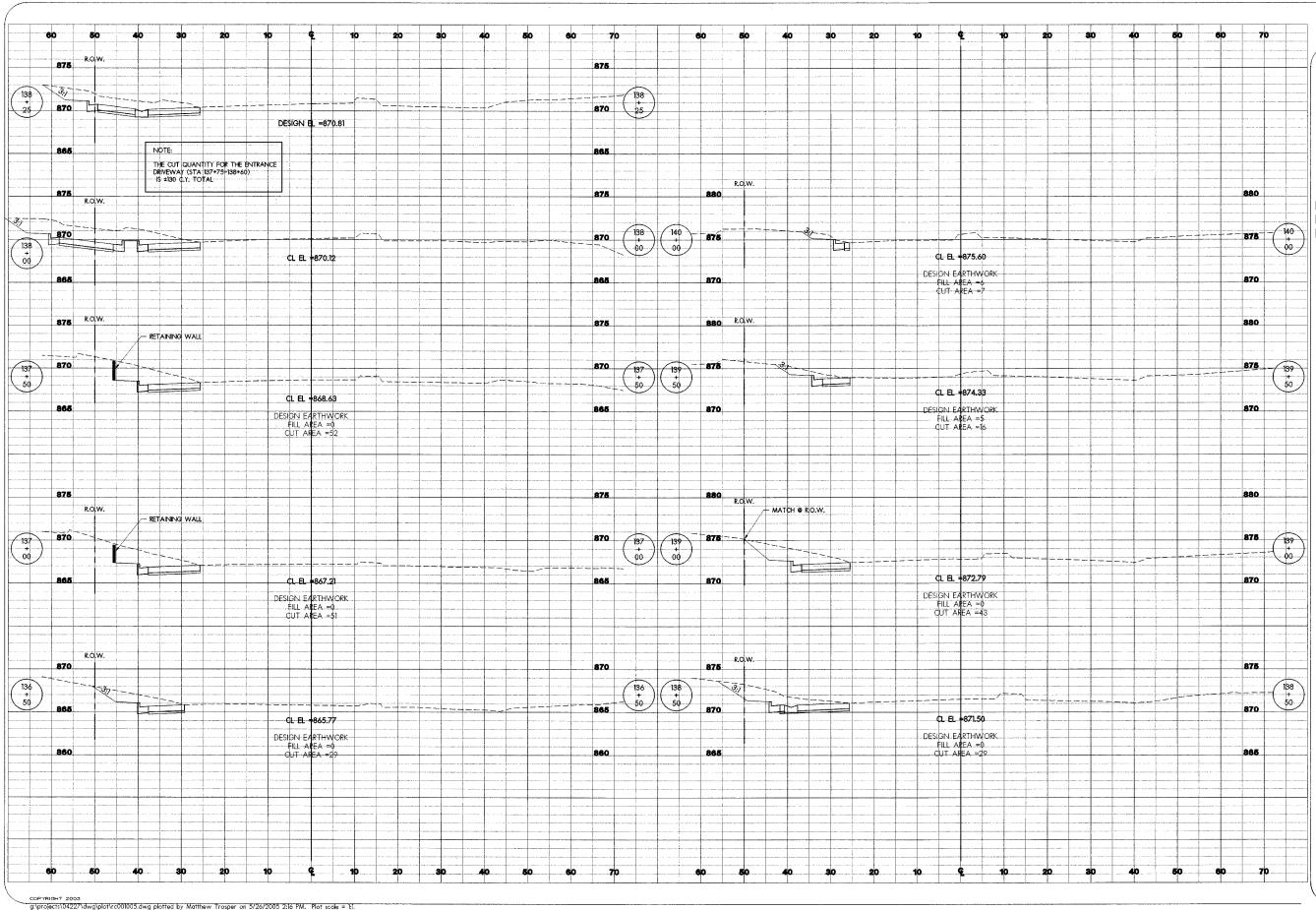
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SEDIMENT CONTROL PLAN

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AGENCY REVIEW 05.13.05

NO. ITEM DATE

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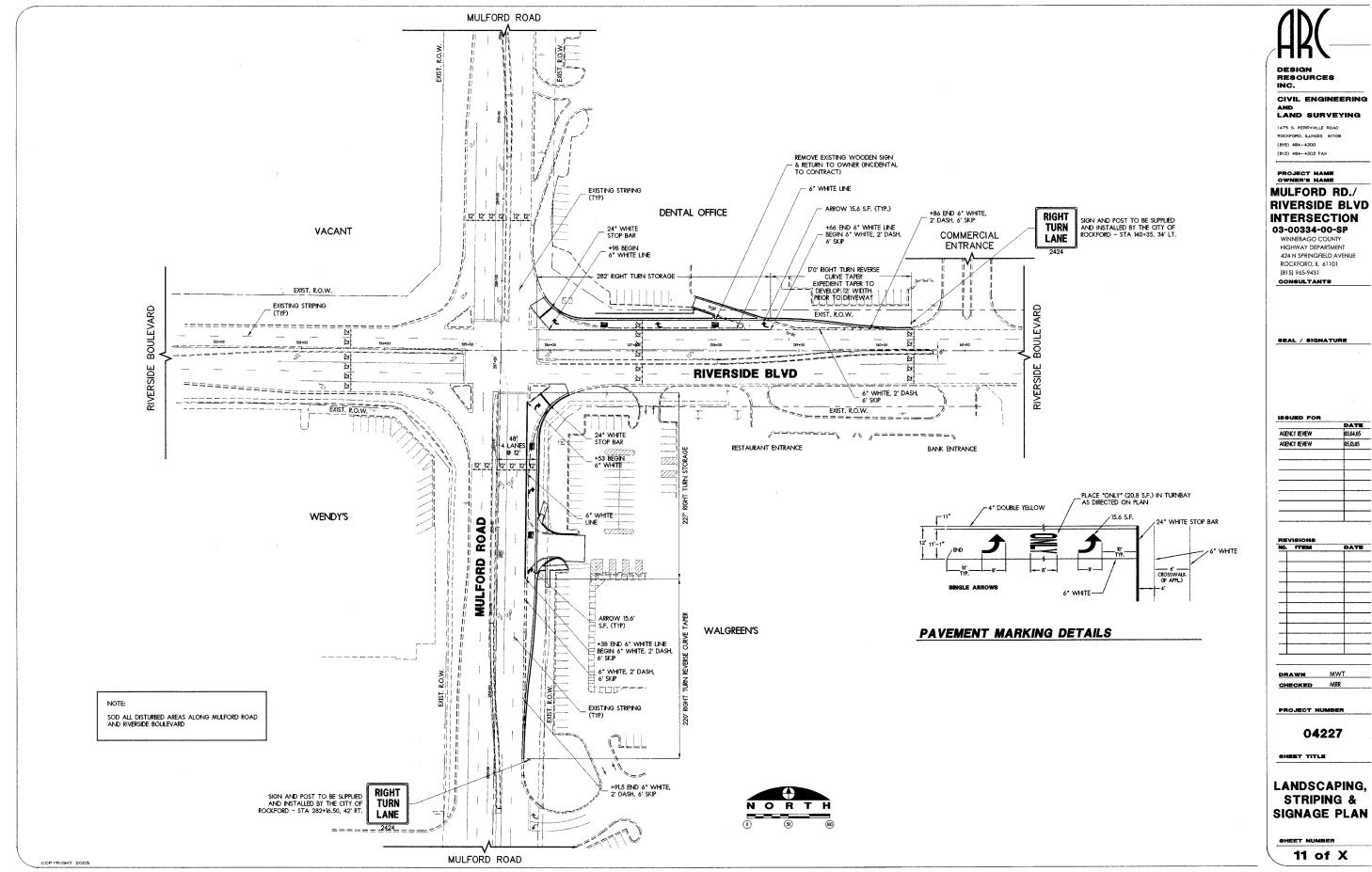
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CROSS SECTIONS

SHEET TITLE

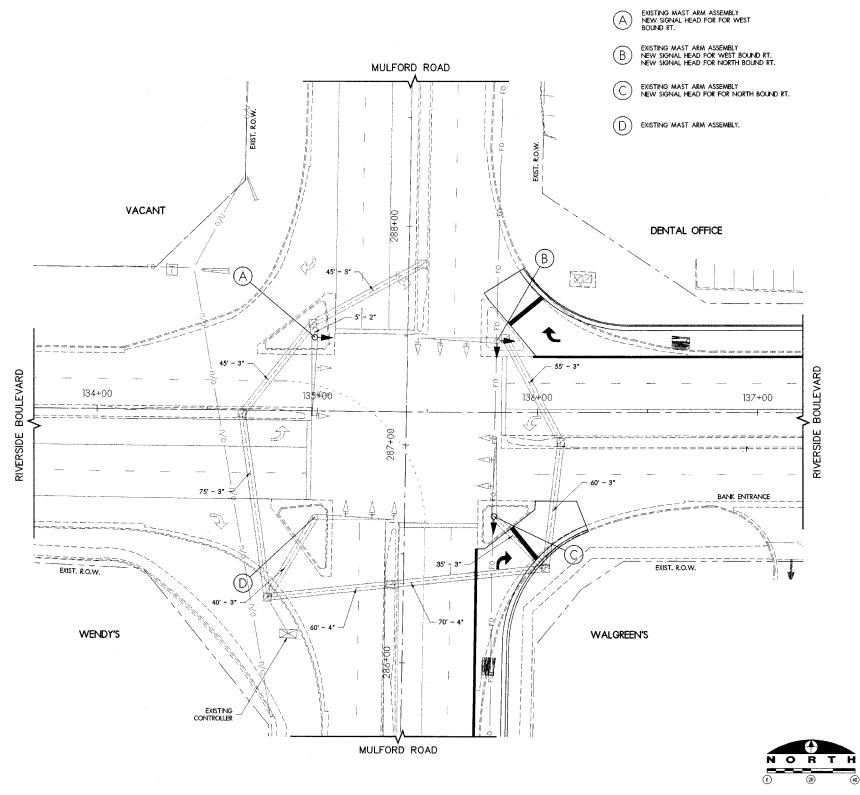
RIVERSIDE BLVD

STATION 136+50 TO STATION 140+00 SHEET NUMBER



	DATE
agency review	03,04,05
AGENCY REVIEW	05.13.05

SIGNAGE PLAN



GENERAL NOTES

- CALL J.U.L.I.E. AT LEAST 48 HOURS PRIOR TO CONSTRUCTION (800)892-0123
- ALL UTILITIES SHALL BE LOCATED IN THE FIELD PRIOR TO CONSTRUCTION. NOTIFY THE ENGINEER OF ANY CONFLICTS PRIOR TO CONSTRUCTION.
- ALL SIGNING, STRIPING, TRAFFIC SIGNALS, AND TRAFFIC CONTROL DEVICES DURING CONSTRUCTION SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.) CURRENT EDITION.
- ALL NEW CONSTRUCTION SHALL CONFORM TO THE SPECIFICATIONS OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION.
- ALL TRAFFIC SIGNAL EQUIPMENT IS TO BE SPUN ALLUMINUM OR GALVANIZED FINISH EXCEPT FOR SIGNAL HEADS.
- . ALL LENSES SHALL BE 12" AND L.E.D.
- THE REMOVAL AND REINSTALLATION OF ANY EXISTING CABLES FOR THE PURPOSE OF INSTALLING PROPOSED CABLES SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.

TRAFFIC SIGNAL LEGEND

	EXISTING	PROPOSED
CONTROLLER		
SERVICE INSTALLATION	-D:	-
SIGNAL HEAD	and the same of th	-
SIGNAL HEAD WITH BACKPLATE	2) Marian	◄ +
SIGNAL HEAD, PEDESTRIAN	District Control of the Control of t	⊪
SIGNAL POST	۸٥٨٨	۸ • ۸ ۸
MAST ARM ASSEMBLY AND POLE, STEEL	hand hand hand	o 早 子 子
HANDHOLE	Z	
HEAVY DUTY HANDHOLE	H	H
DOUBLE HANDHOLE		
G.S. CONDUIT IN TRENCH OR PUSHED	THE REPORT VALUE AND PARTY OF THE PARTY.	MALLO COLOR
DETECTOR LOOP		
COMMON TRENCH	CT	СТ
LUMINAIRE WITH MAST ARM	*	*

TRAFFIC SIGNAL QUANTITIES

87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C MODIFY EXISTING CONTROLLER	FOOT	1062
89502200		EACH	1
X8801395	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4

DESIGN RESOURCES

CIVIL ENGINEERING AND LAND SURVEYING

1475 S. PERRYVILLE ROAD ROCKFORD, ILLINOIS 61108 (815) 484-4300 (815) 484-4303 FAX

PROJECT NAME OWNER'S NAME

MULFORD RD./ RIVERSIDE BLVD INTERSECTION 03-00334-00-SP WINNEBAGO COUNTY

WINNEBAGO COUNTY HIGHWAY DEPARTMENT 424 N SPRINGFIELD AVENUE ROCKFORD, IL 61101 (815) 965-9431

CONSULTANTS

SEAL / SIGNATURE

158	UED FOR	DATI
AGE	NCY REVIEW	03.04.05
AGE	NCY BEVIEW	05.13.05
RE'	VISIONS ITEM	DATE
		DATI
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		DATI
		DATE
		DATI

MRR
PROJECT NUMBER

JTS

04227

SHEET TITLE

DRAWN

CHECKED

TRAFFIC SIGNAL INSTALLATION

SHEET NUMBER

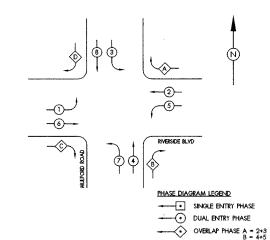
12 of X

CABLE PLAN LEGEND

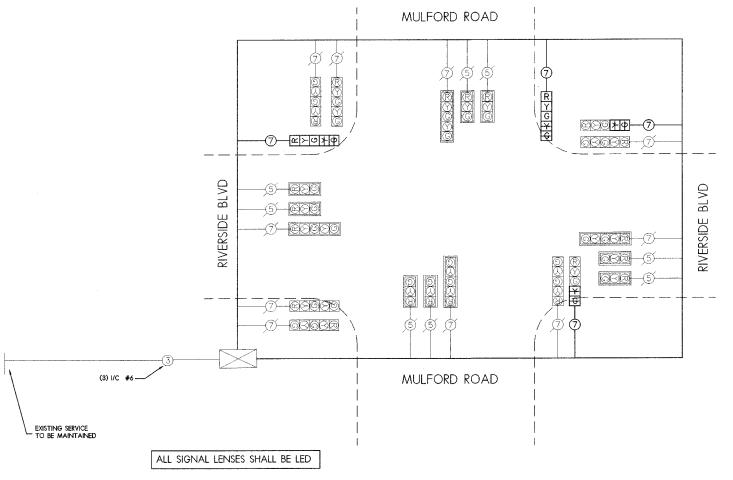
CONTROLLER	PROPOSED	EXISTING
	-	
SERVICE INSTALLATION	_	₽-
SIGNAL FACE WITH BACKPLATE "P" INDICATES OPTICALLY PROGRAMMED "L" INDICATES DIRECTIONAL LOUVRE, TYPE B	R Y G 1'	® +- ℃ 1.
LUMINAIRE, SODIUM VAPOR, 400 WATT	*	¢
12" TRAFFIC SIGNAL SECTION	R	R
DENOTES NUMBER OF CONDUCTORS. ALL LOOP DETECTOR CABLE SHALL BE NO. 18 TWISTED, SHELLDED. ALL OTHER CABLE SHALL BE NO. 14 AWG UNLESS NOTED P = NUMBER OF PAIRS	Ø	Ø
VEHICLE DETECTOR INDUCTION LOOP		

PHASE DESIGNATION DIAGRAM

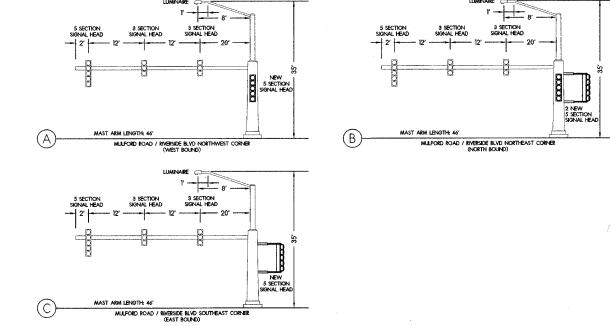
THE VEHICULAR PHASES TO BE USED ARE DESIGNATED BELOW:



CABLE PLAN (MAST ARMS ONLY)



MAST ARM DETAILS





DESIGN RESOURCES INC.

CIVIL ENGINEERING AND LAND SURVEYING

1475 S. PERRYVILLE ROAD ROCKFORD, ILLINOIS 61108 (815) 484-4300 (615) 484-4303 FAX

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HIGHWAY DEPARTMENT
424 N SPRINGFIELD AVENUE
ROCKFORD, IL 61101
(815) 965-9431
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DR	AWN	MWT	
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04227

PROJECT NUMBER

SHRET TITLE

CABLE PLAN & SIGNAL QUANTITIES

MULFORD ROAD/ RIVERSIDE BOULEVARD

13 of x

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