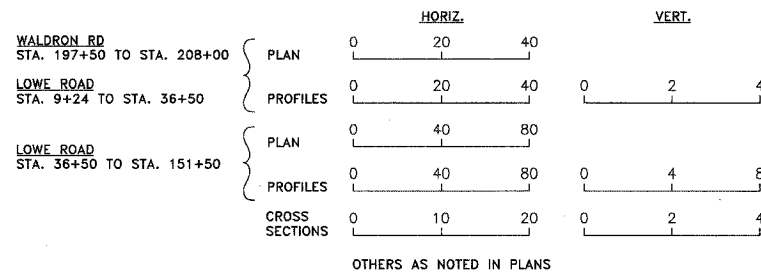


**STANDARD SCALES**



**INDEX OF SHEETS**

- 1 COVER SHEET, INDEX OF SHEETS & STANDARDS
- 2 GENERAL NOTES, PAVEMENT DESIGN & LEGEND
- 3 SUMMARY OF QUANTITIES
- 4 TYPICAL ROADWAY CROSS SECTIONS (LOWE ROAD, WALDRON ROAD)
- 5-9 SCHEDULE OF QUANTITIES
- 10 STORM SEWER STRUCTURE SCHEDULE
- 11-12 SCHEDULE OF QUANTITIES
- 13-16 PLAN AND PROFILE, STORM SEWER (WALDRON ROAD)
- 17 PLAN AND PROFILE, STORM SEWER (IRVINE STREET)
- 18-35 PLAN AND PROFILE, STORM SEWER (LOWE ROAD)
- 36 EROSION CONTROL (WALDRON ROAD)
- 37-41 EROSION CONTROL (LOWE ROAD)
- 42 STRIPING PLAN (WALDRON ROAD)
- 43-47 STRIPING PLAN (LOWE ROAD)
- 48 TRAFFIC DETOUR MAP
- 49-56 BRIDGE PLANS
- 57-60 CROSS SECTIONS (WALDRON ROAD)
- 61-83 CROSS SECTIONS (LOWE ROAD)

**STANDARDS**

- 280001-03 TEMPORARY EROSION CONTROL SYSTEMS
- 406201 MAILBOX TURNOUT
- 424001-04 CURB RAMPS FOR SIDEWALKS
- 482001-01 HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
- 482011-02 HMA SHOULDER STRIPS/SHLDS. WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
- 542301-01 PRECAST REINFORCED CONCRETE FLARED END SECTION
- 602301-01 INLET - TYPE A
- 602306-01 INLET - TYPE B
- 602401-01 MANHOLE TYPE A
- 602406-02 MANHOLE TYPE A 1.8 M (6') DIAMETER
- 602411 MANHOLE TYPE A 2.1M (7') DIAMETER
- 602601-01 PRECAST REINFORCED CONCRETE FLAT SLAB TOP
- 602701-01 MANHOLE STEPS
- 604001-02 FRAME AND LIDS TYPE 1
- 604006-02 FRAME AND GRATE TYPE 3
- 604036-01 GRATE TYPE 8
- 604041-01 FRAME AND GRATE TYPE 9
- 606001-03 CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
- 606101-02 TYPE A GUTTER (INLET, OUTLET & ENTRANCE)
- 630001-07 STEEL PLATE BEAM GUARDRAIL
- 630301-04 SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
- 631026-03 TRAFFIC BARRIER TERMINAL, TYPE 5A
- 664001-01 CHAIN LINK FENCE
- 720001 SIGN PANEL MOUNTING DETAILS
- 720006-01 SIGN PANEL ERECTION DETAILS
- 720011 METAL POSTS FOR SIGNS, MARKERS & DELINEATORS
- 780001-01 TYPICAL PAVEMENT MARKINGS
- 781001-02 TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
- B.L.R. 24-8 TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS
- B.L.R. 24-1 MAILBOX TURNOUT FOR LOCAL ROADS
- 701001-01 701301-02 701326-02 702001-06
- 701004-02 701306-01 701336-04
- 701201-02 701311-02 701501-03

**DESIGN DESIGNATION - MINOR ARTERIAL**

STA. 199+00 TO STA. 208+00

2006 ADT = 5720 M.U. 5% S.U. 10% P.V. 85%

DESIGN 2027 ADT = 7050 M.U. 5% S.U. 10% P.V. 85%

SEE SHEET 2 FOR PAVEMENT DESIGN

STA. 9+40 TO STA. 151+50

2006 ADT = 3280 M.U. 5% S.U. 10% P.V. 85%

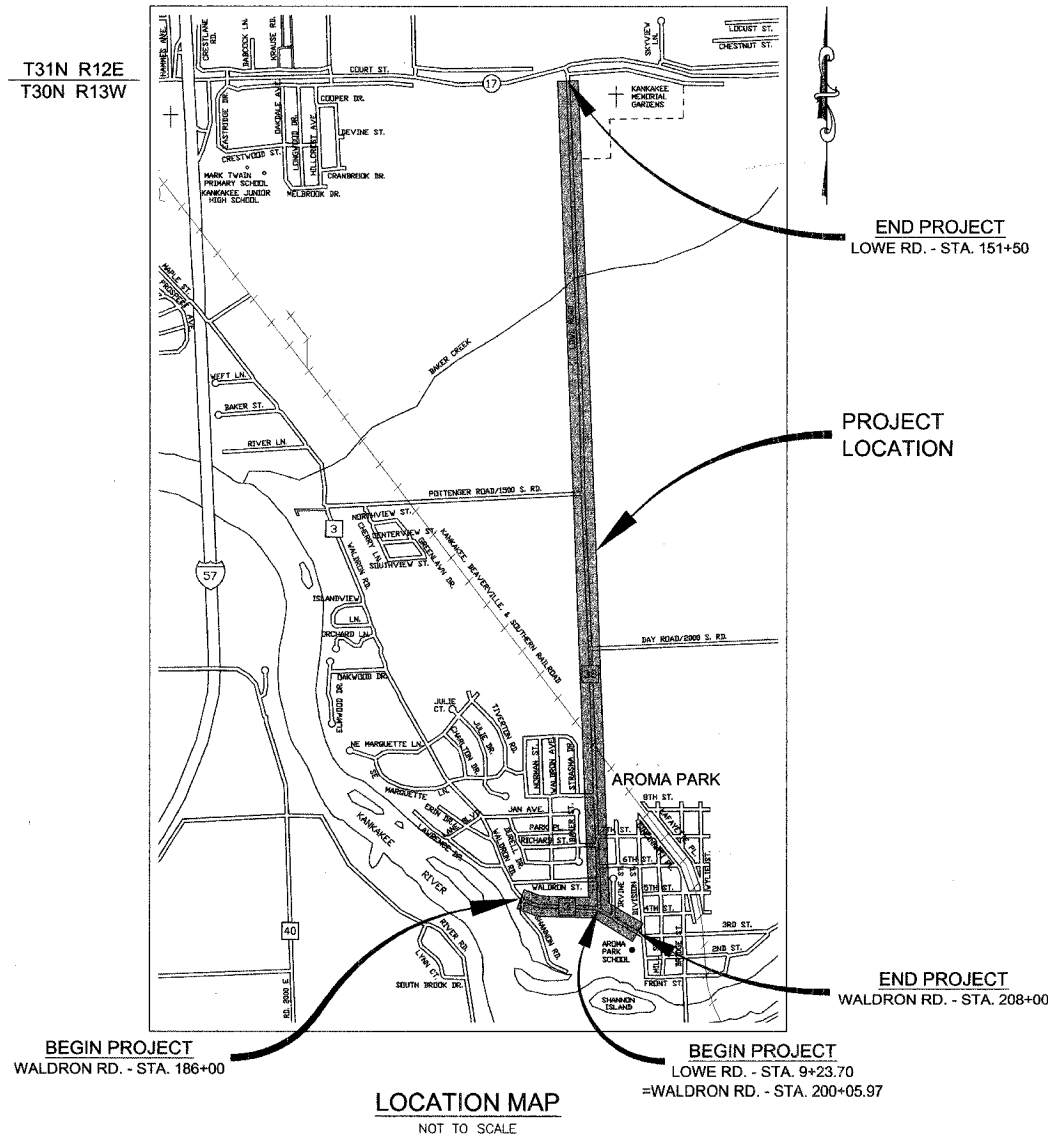
DESIGN 2027 ADT = 4040 M.U. 5% S.U. 10% P.V. 85%

SEE SHEET 2 FOR PAVEMENT DESIGN

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

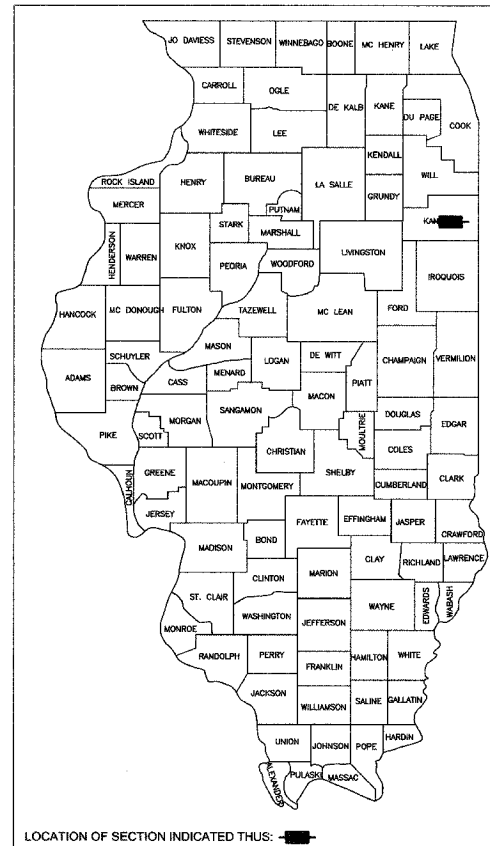
# PLANS FOR PROPOSED FEDERAL AID HIGHWAY

KANKAKEE COUNTY  
VILLAGE OF AROMA PARK  
LOWE RD. FAU 6209/WALDRON RD. FAU 6184  
SECTION 02-00284-00-WR & 01-00017-00-FP  
PROJECT NO. M-5034(16)  
JOB NO. C-93-007-06



GROSS LENGTH OF IMPROVEMENT = 15260 FEET = 2.89 MILES  
NET LENGTH OF IMPROVEMENT = 15260 FEET = 2.89 MILES

CALL J.U.L.I.E. BEFORE YOU DIG  
(Joint Utility Locating Information For Excavators)  
PH.# 1-800-892-0123



PREPARED IN ACCORDANCE WITH  
THE POLICIES OF THE FEDERAL AID  
PROCEDURES FOR LOCAL HIGHWAY  
IMPROVEMENTS (FAPLHI)

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

APPROVED *[Signature]*, 20 07  
VILLAGE PRESIDENT, VILLAGE OF AROMA PARK

APPROVED *[Signature]*, 20 07  
COUNTY ENGINEER, KANKAKEE COUNTY

PASSED *[Signature]*, 20 07  
DISTRICT 3 ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID  
BASED ON LIMITED REVIEW *[Signature]*, 20 07  
DEPUTY DIRECTOR OF HIGHWAYS, REGION 2 ENGINEER

*[Signature]*, 2-5-07  
STEVEN R. MCBURNEY P.E.# 062-058252 DATE  
EXPIRATION DATE OF P.E. LICENSE: 11-30-07



F.A.U. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	83	1

CONTRACT NO. 87314

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

\* LOWE RD. FAU 6209/WALDRON RD. FAU 6184  
\*\* 02-00284-00-WR & 01-00017-00-FP

**TYSON ENGINEERING, INC.**  
CONSULTING CIVIL ENGINEERS  
DESIGN FIRM LICENSE #184-001136  
367 SOUTH SCHUYLER AVENUE  
KANKAKEE, ILLINOIS 60801  
PHONE (815) 932-7406

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Do not scale drawings. Use dimensions only.

Contractor shall be responsible for verifying all dimensions.

Information herein and herein is confidential.

**REVISIONS**

NO.	DATE	BY	DESCRIPTION
3	10/24/06	MRG	PER IDOT REVIEW
4	12/29/06	MRG	PER COUNTY REV

COVER SHEET

PROPOSED IMPROVEMENTS FOR  
**LOWE ROAD**  
FROM IL-17 TO WALDRON ROAD  
**WALDRON ROAD**  
FROM CORP. LIMITS TO DIVISION STREET

**REVISIONS**

NO.	DATE	BY	GENERAL DESCRIPTION	SHEETS CHANGED
1	05/03/05	MRG	PER IDOT REVIEW	
2	05/12/05	MRG	PER IDOT REVIEW	
3	10/24/06	MRG	PER IDOT REVIEW	ALL
4	12/29/06	MRG	PER COUNTY REVIEW	ALL

SECTION  
02-00284-00-WR &  
01-00017-00-FP

DATE: 7/10/06

SCALE: N/A

DRAWN BY: MRG

CHECKED BY: SRM

JOB NO. E01015

FILE NO.

SHEET  
**1**  
83

**GENERAL NOTES**

THE WORK UNDER THIS CONTRACT CONSISTS OF THE FOLLOWING:

- CONSTRUCTION OF A TWO-LANE FACILITY.
- CONSTRUCTION OF STORM SEWER SYSTEM FOR ROADWAY DRAINAGE WILL NOT CONNECT TO ANY EXISTING STORM SEWER. EXISTING STORM SEWER WITHIN THE PROJECT AREA WILL BE REMOVED.
- CONSTRUCTION OF ROAD APPROACHES, INTERSECTIONS AND ENTRANCES.
- SIDEWALK, SODDING, AND OTHER WORK NECESSARY TO COMPLETE THE PROJECT.
- DATUM USED FOR SURVEY IS U.S.G.S.
- ALL STATIONING IS ALONG CENTERLINE OF ROADWAY, EXCEPT AS OTHERWISE NOTED.
- ACCESS TO ENTRANCES - ACCESS TO ENTRANCES SHALL BE MAINTAINED BY THE USE OF TEMPORARY SURFACE AGGREGATE IN ACCORDANCE WITH ARTICLE 107.09 OF THE STANDARD SPECIFICATIONS. HOWEVER THE COST OF FURNISHING, PLACING AND REMOVING THE TEMPORARY SURFACE AGGREGATE WILL BE PAID FOR AT THE CONTRACT PRICE PER TON FOR AGGREGATE SURFACE COURSE TYPE B AND NO OTHER COMPENSATION WILL BE ALLOWED, AN ESTIMATED QUANTITY OF 400 TONS OF AGGREGATE SURFACE COURSE, TYPE B HAS BEEN INCLUDED IN THE PLANS FOR ACCESS PURPOSES.
- THE THICKNESS OF BITUMINOUS MIXTURES SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATION FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE BITUMINOUS MIXTURE IS PLACED.
- EXCEPT AS NOTED IN THE PLANS, PAVEMENT GRADES SHOWN ARE AT THE TOP OF PAVEMENT SURFACES.
- ALL EXCAVATION UNDER PAVEMENT, SIDEWALK, AND CURB & GUTTER SHALL BE BACKFILLED AND COMPACTED WITH MATERIAL MEETING THE REQUIREMENTS OF SECTION 208. SEPARATE PAYMENT FOR TRENCH BACKFILL SHALL BE MADE ONLY WHEN SPECIFIED IN THE PLANS.
- THE ENGINEER SHALL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS BITUMINOUS MIXTURES.
- TEMPORARY MARKING TAPE SHALL BE USED FOR ALL TEMPORARY PAVEMENT MARKING ON FINAL SURFACE.
- ONLY THOSE TREES DESIGNATED BY THE ENGINEER OR LISTED IN THE TREE REMOVAL SCHEDULE SHALL BE REMOVED. THE CONTRACTOR WILL PROTECT ALL REMAINING TREES FROM DAMAGE DUE TO HIS OPERATIONS.
- ALL SAWCUTTING OF EXISTING PAVEMENT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT. THE MINIMUM SAW CUT DEPTH IN THE PAVEMENT SHALL BE 2 INCHES, UNLESS OTHERWISE SPECIFIED IN A DETAIL IN THE PLANS.
- THE CONTRACTOR SHALL PROVIDE TEMPORARY DRAINAGE.

- ALL REQUIRED SAW CUTTING SHALL BE INCIDENTAL TO THE REMOVAL PAY ITEM INVOLVED.
- FOR NEW CONSTRUCTION, PLACE SIDEWALK RAMPS FOR THE HANDICAPPED (STD 424001-04) AT ALL LOCATIONS WHERE PROPOSED SIDEWALK ABUTS CURB AT STREET ENTRANCES.
- THE EXISTING ROAD SIGNS THAT INTERFERE WITH CONSTRUCTION SHALL BE REMOVED OR RELOCATED AS DIRECTED BY THE ENGINEER. AFTER THE CONSTRUCTION IS COMPLETED, THE CONTRACTOR SHALL REPLACE THE SIGNS AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO COMPENSATION WILL BE ALLOWED.
- ABANDONED UNDERGROUND UTILITY ITEMS WHICH CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OUTSIDE THE LIMITS OF THE RIGHT OF WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS, AND AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCIDENTAL TO EARTH EXCAVATION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUB-NUMBER LISTED IN THE INDEX OF SHEETS, OR THE COPY OF THE STANDARD INCLUDED IN THESE PLANS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. THE NOTICE NUMBER IS 1-800-892-0123. A MINIMUM OF FORTY EIGHT (48) HOURS ADVANCE NOTICE IS REQUIRED.
- WHERE STORM SEWER IS SEPARATED BY LESS THAN 10' FROM WATER MAIN, AND PARALLEL, AND THE WATER MAIN INVERT IS LESS THAN 18" ABOVE THE STORM SEWER CROWN, THE WATER MAIN SHALL BE ENCASED IN WATER MAIN QUALITY CASING.
- THE STORM SEWER SHALL BE CONSTRUCTED WITH A RUBBER GASKET AT ANY LOCATION WHERE A WATER MAIN CROSSES BELOW THE SEWER, REGARDLESS OF VERTICAL SEPARATION, OR WHERE THE BOTTOM OF THE WATER MAIN IS LESS THAN 18" ABOVE THE TOP OF THE SEWER.
- PROTECTIVE COAT SHALL BE APPLIED TO THE SURFACES OF NEW CONCRETE ACCORDING TO ARTICLES 420.18 AND/OR 503.19 OF THE STANDARD SPECIFICATIONS.
- THERMOPLASTIC PAVEMENT MARKINGS AND PAINT STRIPING QUANTITIES ARE APPROXIMATE ONLY. PAYMENT WILL BE MADE FOR ACTUAL QUANTITIES USED AS MEASURED IN THE FIELD.
- THE FOLLOWING UTILITY COMPANIES HAVE UTILITIES WITHIN THE LIMITS OF CONSTRUCTION. ADJUSTMENT OF UTILITY LOCATIONS WILL BE MADE BY THE OWNER, UNLESS OTHERWISE NOTED ON THE PLANS.

**LEGEND**

- IRON ROD RECOVERED
- RIGHT-OF-WAY MARKER
- IRON PIPE RECOVERED
- PK NAIL RECOVERED
- EXIST. MAILBOX
- EXIST. FLAG POLE
- EXIST. GUY WIRE
- EXIST. POWER POLE
- EXIST. STREET LIGHT
- EXIST. LIGHT POLE
- EXIST. TELEPHONE PEDESTAL
- EXIST. GAS VALVE
- EXIST. FIRE HYDRANT
- EXIST. WATER VALVE
- EXIST. BUFFALO BOX
- EXIST. WATER METER
- EXIST. FLARED END SECTION
- EXIST. INLET
- EXIST. MANHOLE
- EXIST. STOP SIGN
- EXIST. SIGN
- EXIST. TRENCH FLOW LINE
- GRADE
- EXIST. SWALE FLOW LINE
- TREE/BUSH
- EXIST. TREE STUMP, SIZE
- EXIST. CULVERT
- EXIST. WATER
- EXIST. STORM SEWER
- EXIST. SANITARY SEWER
- EXIST. FENCE
- EXIST. EDGE OF PAVEMENT & SIDEWALK
- EXIST. CURB & GUTTER
- RIGHT OF WAY
- NEW SPOT ELEVATION (680.70)
- NEW STREET LIGHT
- NEW FIRE HYDRANT
- NEW WATER VALVE
- NEW MANHOLE
- NEW INLET
- NEW FLARED END SECTION
- NEW STORM SEWER
- NEW EASEMENT
- NEW AGGREGATE
- NEW CURB & GUTTER
- SURFACE REMOVAL
- DETECTABLE WARNINGS FOR CURB RAMPS ON SIDEWALKS
- REMOVE OBJECT

**PAVEMENT DESIGN**

**LOWE ROAD**  
STA. 9+40 to STA. 151+50

Class II, 2-lane pavement  
D.P. - 20 years  
Design Traffic  
Existing ADT: 3280 1% growth  
Proposed ADT: 4042  
PV (85%): 3436 SU (10%): 404 MU (5%): 202  
80,000 pound load limit  
Critical subgrade Eri: 3ksi  
T.F.= D.P. (0.073PV+56.03SU+192.72MU)  
1,000,000

T.F.= 1.237  
Subgrade support rating: fair  
use AC-20 because of stopping and starting  
mixture temperature: 78.5  
Eac: 580  
design strain: 100  
Pavement thickness required: 9.5"

USE: 10"

**WALDRON ROAD**  
STA. 199+00 to STA. 208+00

Class II, 2-lane pavement  
D.P. - 20 years  
Design Traffic  
Existing ADT: 5720 1% growth  
Proposed ADT: 7049  
PV (85%): 5992 SU (10%): 705 MU (5%): 352  
72,000 pound load limit  
Critical subgrade Eri: 3ksi  
T.F.= D.P. (0.073PV+44.53SU+156.403MU)  
1,000,000

T.F.= 1.739  
Subgrade support rating: fair  
use AC-20 because of stopping and starting  
mixture temperature: 78.5  
Eac: 580  
design strain: 90  
Pavement thickness required: 10.0"

USE: 10"

UTILITY	STATUS OF RELOCATION	
	DATE	
<b>POWER</b> COMMONWEALTH EDISON CO. 2500 SOUTH GOVERNORS HIGHWAY UNIVERSITY PARK, IL 60466	PRELIMINARY PLANS SET 7/21/05 FINAL PLAN SET 10/30/06	RELOCATION PRIOR TO CONSTRUCTION
<b>TELEPHONE</b> AT&T 65 WEST WEBSTER JOLIET, IL 60431	PRELIMINARY PLANS SET 7/21/05 FINAL PLAN SET 10/30/06	RELOCATION PRIOR TO CONSTRUCTION
<b>CABLE TV</b> COMCAST 17700 HOFFMAN WAY HOMEWOOD, IL 60430	PRELIMINARY PLANS SET 7/21/05 FINAL PLAN SET 10/30/06	RELOCATION PRIOR TO CONSTRUCTION
<b>GAS</b> NORTHERN ILLINOIS GAS CO. 1844 FERRY ROAD NAPERVILLE, IL 60563	PRELIMINARY PLANS SET 7/21/05 FINAL PLAN SET 10/30/06	RELOCATION PRIOR TO/ DURING CONSTRUCTION
<b>WATER</b> AQUA ILLINOIS 1000 SOUTH SCHUYLER AVE. KANKAKEE, IL 60901	PRELIMINARY PLANS SET 7/21/05 FINAL PLAN SET 10/30/06	RELOCATION PRIOR TO CONSTRUCTION

	SUPERPAVE BINDER	SUPERPAVE LEVEL BINDER	SUPERPAVE SURFACE	SUPERPAVE BASE COURSE/WIDENING	SUPERPAVE SHOULDER
PG GRADE	PG64-22	PG64-22	PG64-22	PG58-22	PG58-22
MAX % RAP ALLOWABLE**	25%	25%	15%	40%	40%
DESIGN AIR VOIDS	4.0% @ N50	4.0% @ N50	4.0% @ N50	2.0% @ N50	2.0% @ N50
MIXTURE COMPOSITION	IL 19.0	IL 19.0	IL 12.5 or IL 9.5	BAM	BAM
FRICITION AGGREGATE			MIXTURE D		
PLAN CONTROL LIMITS	CLASS I	CLASS I	CLASS I	NON-CLASS I	NON-CLASS I

\*\*If RAP option is selected, the asphalt cement grade may need to be adjusted. This will be determined by the Engineer.

FED. DIST.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	83	2

CONTRACT NO. 87314

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

\* LOWE RD. FAU 6209/WALDRON RD. FAU 6184  
\*\* 02-00284-00-WR & 01-00017-00-FP

**TYSON ENGINEERING, INC.**  
CONSULTING CIVIL ENGINEERS  
DESIGN FIRM LICENSE #164-001136  
367 SOUTH SCHUYLER AVENUE  
KANKAKEE, ILLINOIS 60901  
PHONE (815) 932-7406

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REVISIONS			
NO.	DATE	BY	DESCRIPTION
3	10/24/06	MRG	PER IDOT REVIEW
4	12/28/06	MRG	PER COUNTY REV

GENERAL NOTES  
PAVEMENT DESIGN  
LEGEND

PROPOSED IMPROVEMENTS FOR  
**LOWE ROAD**  
FROM IL-17 TO WALDRON ROAD  
**WALDRON ROAD**  
FROM CORP. LIMITS TO DIVISION STREET

SECTION  
02-00284-00-WR & 01-00017-00-FP

DATE: 7/10/06 JOB NO. E01015

SCALE: N/A FILE NO.

DRAWN BY: MRG SHEET

CHECKED BY: SRM SHEET

PAVEMENT DESIGN - COVER SHEET.dwg 1/17/2007 8:47:18 AM CST

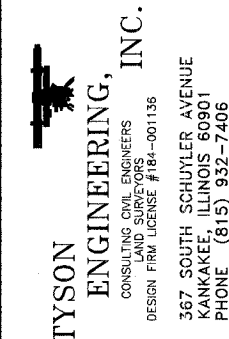
P:\2001\VE01015\SWP\ED01015-TYP SEC & SCHEDULES.dwg 3/21/2007 10:45:06 AM CDT

SUMMARY OF QUANTITIES						
Pay Item Number	Item	Unit	Fund Code 1000		Fund Code	Total Quantity
			Section 01-00017-00-FP	Section 02-00284-00-WR	X081	
			Quantity	Quantity	Quantity	
20100110	Tree Removal (6 to 15 Units Diameter)	UNIT	16	65	0	81
20100210	Tree Removal (Over 15 Units Diameter)	UNIT	36	42	0	78
20200100	Earth Excavation	CU YD	8,618	9,861	0	18499
20201200	Removal and Disposal of Unsuitable Material	CU YD	4,738	7,875	0	12613
20400800	Furnished Excavation	CU YD	0	1,168	0	1168
20800250	Trench Backfill Special	CU YD	2,676	133	0	2809
21001000	Geotechnical Fabric for Ground Stabilization	SQ YD	14336	3377	0	17713
21101615	Topsoil Furnish and Place, 4"	SQ YD	6,036	398	0	6434
25000210	Seeding, Class 2A	ACRE	1.65	11.00	0.00	12.65
25100125	Mulch, Method 3	ACRE	1.65	11.00	0.00	12.65
25100630	Erosion Control Blanket	SQ YD	0	2,706	0	2706
25200110	Sodding, Salt Tolerant	SQ YD	6,036	398	0	6434
28000250	Temporary Erosion Control Seeding	POUND	418	1,173	0	1591
28000300	Temporary Ditch Checks	EACH	0	77	0	77
28000400	Perimeter Erosion Barrier	FOOT	835	3,120	0	3955
28000500	Inlet and Pipe Protection	EACH	67	28	0	95
28100105	Stone Riprap, Class A3	SQ YD	0	188	0	188
28100707	Stone Dumped Riprap, Class A4	SQ YD	0	0	391	391
31101810	Sub-Base Granular Material Type B, 12"	SQ YD	14336	3377	0	17713
35101600	Aggregate Base Course, Type B 4"	SQ YD	0	1067	0	1067
35101800	Aggregate Base Course, Type B 6"	SQ YD	0	11863	0	11863
35102200	Aggregate Base Course, Type B 10"	SQ YD	616	0	0	616
35501308	Hot-Mix Asphalt Base Course, 6"	SQ YD	11,769	2,701	0	14470
35600700	Hot-Mix Asphalt Base Course Widening, 6"	SQ YD	0	4,702	0	4702
40200500	Aggregate Surface Course, Type A 6"	SQ YD	702	1966	0	2668
40600100	Bituminous Materials (Prime Coat)	GALLON	0	1401	0	1401
40600300	Aggregate (Prime Coat)	TON	0.0	28.1	0.0	28.1
40600625	Leveling Binder (Machine Method), N50	TON	0	2,549	0	2549
40600982	Hot-Mix Asphalt Surface Removal - Butt Joint	SQ YD	0	183	0	183
40600990	Temporary Ramp	SQ YD	0	33	0	33
40603080	Hot-Mix Asphalt Binder Course, IL-19.0, N50	TON	1,898	4,705	0	6603
40603335	Hot-Mix Asphalt Surface Course, Mix "D", N50	TON	1,136	2,804	0	3940
40800050	Incidental Hot-Mix Asphalt Surfacing	TON	0	88	0	88
42300200	Portland Cement Concrete Driveway Pavement, 6 inch	SQ YD	1731	0	0	1731
42300400	Portland Cement Concrete Driveway Pavement, 8 inch	SQ YD	952	0	0	952
42400100	Portland Cement Concrete Sidewalk 4 inch	SQ FT	17946	0	0	17946
42400800	Detectable Warnings	SQ FT	198	0	0	198
44000200	Driveway Pavement Removal	SQ YD	188	0	0	188
44000600	Sidewalk Removal	SQ FT	5036.35	0	0	5036.35
44300900	Strip Reflective Crack Control Treatment System A	FOOT	0	20700	0	20700
48100500	Aggregate shoulders, Type, A 6"	SQ YD	233	7,110	0	7343
48200209	Hot-Mix Asphalt Shoulders, 8"	SQ YD	0	7,850	0	7850
50100100	Removal of Existing Structures	EACH	0	0	1	1
50200100	Structure Excavation	CU YD	0	0	186	186
50200300	Cofferdam Excavation	CU YD	0	0	220	220
50200400	Rock Excavation for Structures	CU YD	2090	0	15	2105
50200500	Cofferdams	EACH	0	0	2	2
50300225	Concrete Structures	CU YD	0.0	0.0	111.4	111.4
50400505	Precast Prestressed Concrete Deck Beams (27" Depth)	SQ FT	0	0	5089	5089
50800105	Reinforcement Bars	POUND	0	0	18,110	18110
50900205	Steel Railing, Type S1	FOOT	0	0	243	243
51201400	Furnish Steel Piles HP10X42	FOOT	0	0	170	170
51202305	Driving Piles	FOOT	0	0	170	170
51203400	Test Pile Steel HP10X42	EACH	0	0	2	2
51204650	Pile Shoes	EACH	0	0	10	10
51500100	Name Plates	EACH	0	0	1	1
54010402	Precast Concrete Box Culvert 4'x2'	FOOT	0	48	0	48
54010502	Precast Concrete Box Culvert 5'x2'	FOOT	0	144	0	144
54010802	Precast Concrete Box Culvert 8'x2'	FOOT	0	40	0	40
542A0217	Pipe Culverts, Class A, Type 1 12"	FOOT	0	648	0	648
542A0220	Pipe Culverts, Class A, Type 1 15"	FOOT	0	40	0	40
542A0223	Pipe Culverts, Class A, Type 1 18"	FOOT	0	48	0	48
542A0229	Pipe Culverts, Class A, Type 1 24"	FOOT	0	144	0	144
542A0235	Pipe Culverts, Class A, Type 1 30"	FOOT	0	472	0	472
54213657	Precast Reinforced Concrete Flared End Sections 12"	EACH	1	21	0	22
54213660	Precast Reinforced Concrete Flared End Sections 15"	EACH	2	2	0	4
54213663	Precast Reinforced Concrete Flared End Sections 18"	EACH	0	2	0	2
54213669	Precast Reinforced Concrete Flared End Sections 24"	EACH	0	6	0	6
54213675	Precast Reinforced Concrete Flared End Sections 30"	EACH	0	6	0	6
54213693	Precast Reinforced Concrete Flared End Sections 48"	EACH	1	0	0	1
54223237	Pipe Culverts, Salvaged Pipe 12"	FOOT	28	0	0	28
550A0050	Storm Sewers, Class A, Type 1 12"	FOOT	849	275	0	1124
550A0070	Storm Sewers, Class A, Type 1 15"	FOOT	419	0	0	419
550A0090	Storm Sewers, Class A, Type 1 18"	FOOT	264	0	0	264
550A0120	Storm Sewers, Class A, Type 1 24"	FOOT	483	0	0	483

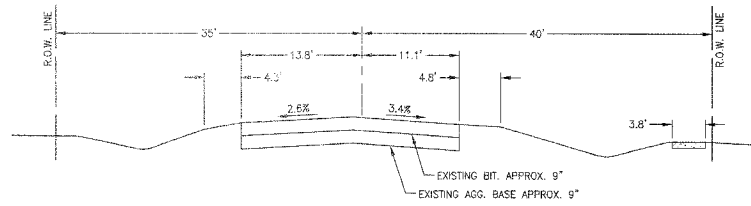
\* See Special Provisions  
 Δ Specialty Item

SUMMARY OF QUANTITIES						
Pay Item Number	Item	Unit	Fund Code 1000		Fund Code	Total Quantity
			Section 01-00017-00-FP	Section 02-00284-00-WR	X081	
			Quantity	Quantity	Quantity	
550A0140	Storm Sewers, Class A, Type 1 30"	FOOT	343	0	0	343
550A0180	Storm Sewers, Class A, Type 1 42"	FOOT	96	0	0	96
550A0190	Storm Sewers, Class A, Type 1 48"	FOOT	398	0	0	396
550A0340	Storm Sewers, Class A, Type 2 12"	FOOT	6	0	0	6
550A0410	Storm Sewers, Class A, Type 2 24"	FOOT	202	0	0	202
550A0430	Storm Sewers, Class A, Type 2 30"	FOOT	1,180	0	0	1180
550A0450	Storm Sewers, Class A, Type 2 36"	FOOT	569	0	0	569
550A0470	Storm Sewers, Class A, Type 2 42"	FOOT	99	0	0	99
55100200	Storm Sewer Removal 6"	FOOT	18	175	0	193
55100300	Storm Sewer Removal 8"	FOOT	16	373	0	389
55100400	Storm Sewer Removal 10"	FOOT	316	0	0	316
55100500	Storm Sewer Removal 12"	FOOT	362	527	0	889
55100700	Storm Sewer Removal 15"	FOOT	251	99	0	350
55100900	Storm Sewer Removal 18"	FOOT	865	332	0	1197
55101100	Storm Sewer Removal 21"	FOOT	568	35	0	603
55101200	Storm Sewer Removal 24"	FOOT	0	193	0	193
58100200	Waterproofing Membrane System	SQ YD	0	0	566	566
60100905	Pipe Drains 4"	FOOT	15	0	0	15
60100925	Pipe Drains 8"	FOOT	0	813	0	813
60218300	Manholes, Type A, 4'-Diameter, Type 1 Frame, Open Lid	EACH	1	0	0	1
60218400	Manholes, Type A, 4'-Diameter, Type 1 Frame, Closed Lid	EACH	7	0	0	7
60218500	Manholes, Type A, 4'-Diameter, Type 3 Frame and Grate	EACH	1	0	0	1
60221000	Manholes, Type A, 5'-Diameter, Type 1 Frame, Open Lid	EACH	6	0	0	6
60221100	Manholes, Type A, 5'-Diameter, Type 1 Frame, Closed Lid	EACH	11	0	0	11
60222930	Manholes, Type A, 5'-Diameter, With Special Frame and Grate	EACH	2	0	0	2
60223800	Manholes, Type A, 6'-Diameter, Type 1 Frame, Closed Lid	EACH	1	0	0	1
60224090	Manholes, Type A, 6'-Diameter, with Special Frame and Grate	EACH	1	0	0	1
60235700	Inlets, Type A, Type 3 Frame and Grate	EACH	28	0	0	28
60236200	Inlets, Type A, Type 6 Grate	EACH	5	0	0	5
60236600	Inlets, Type A, Type 9 Frame and Grate	EACH	0	6	0	6
60240220	Inlets, Type B, Type 3 Frame and Grate	EACH	19	0	0	19
60255500	Manholes to be Adjusted	EACH	3	5	0	8
60266600	Valve Boxes to be Adjusted	EACH	18	0	0	18
60500060	Removing Inlets	EACH	9	0	0	9
60602500	Concrete Gutter, Type A	FOOT	0	1,440	0	1440
60605000	Combination Concrete Curb and Gutter, Type B-6.24	FOOT	7,175	0	0	7175
60610400	Combination Concrete Curb and Gutter, Type M-6.24	FOOT	35	0	0	35
63000000	Steel Plate Beam Guard Rail, Type A	FOOT	0	275	0	275
63100075	Traffic Barrier Terminal, Type 5A	EACH	0	4	0	4
63100167	Traffic Barrier Terminal Type 1, Special (Tangent)	EACH	0	4	0	4
66407400	Chain Link Gates, 6'x8' Double	EACH	1	0	0	1
66900200	Non-Special Waste Disposal	CU YD	100	0	0	100
67100100	Mobilization	L SUM	0.41	0.47	0.12	1.00
70101700	Traffic Control and Protection	L SUM	0.41	0.47	0.12	1.00
70102550	Traffic Control and Protection for Temporary Detour	EACH	0.00	0.00	1.00	1.00
70300220	Temporary Pavement Marking - Line 4"	FOOT	940	0	0	940
78000100	Thermoplastic Pavement Marking - Letters and Symbols	SQ FT	61.2	61.2	0.0	122.4
78000400	Thermoplastic Pavement Marking - Line 6"	FOOT	1,811	0	0	1811
78000600	Thermoplastic Pavement Marking - Line 12"	FOOT	768	0	0	768
78000650	Thermoplastic Pavement Marking - Line 24"	FOOT	131	24	0	155
78100100	Raised Reflective Pavement Marker	EACH	94	287	0	381
78200400	Guardrail Reflectors	EACH	0	6	0	6
78201000	Terminal Markers - Direct Applied	EACH	0	4	0	4
78300100	Pavement Marking Removal	SQ FT	314	0	0	314
81012800	Conduit in Trench, 3" Dia., PVC	FOOT	40	0	0	40
Z0048665	Railroad Protective Liability Insurance	L SUM	0.00	1.00	0.00	1.00
Z0051500	Removing and Resetting Street Signs	EACH	7	2	0	9
Z0076600	Trainees	HOUR	410	470	120	1000
A2003816	Tree, Fraxinus pennsylvanica (Green Ash) 2" Caliper, Balled and Burlapped	EACH	3	8	0	11
XX000610	Relocate Existing Mailbox	EACH	22	8	0	30
XX000613	Modular Block Retaining Wall	SQ FT	42	0	0	42
XX000714	Fence to be Removed and Re-erected	FOOT	0	822	0	822
XX002208	6" Diameter Pipe Bollard Concrete Filled	EACH	2	0	0	2
XX004566	Concrete Cut-Off Wall	CU YD	0.0	0.0	9.5	9.5
XX006084	Remove Existing Monument	EACH	1	0	0	1
X0322672	Split Rail Fence to be Removed and Re-Erected	FOOT	177	0	0	177
X0324057	Wooden Fence Relocation	FOOT	13	0	0	13
X0324549	Precast Concrete Box Culvert End Sections 8'x2'	EACH	0	2	0	2
X0338850	Precast Concrete Box Culvert End Sections 5'x2'	EACH	0	6	0	6
X0656300	Pavement Removal and Replacement	SQ YD	40	0	0	40
X0914300	Precast Concrete Box Culvert End Sections 4'x2'	EACH	0	2	0	2
X7240500	Relocate Existing Signs	EACH	34	18	0	52
XX006664	Precast "T" Manholes for 48" Diameter Storm Sewer, Type 1 Frame, Open Lid	EACH	1	0	0	1
XX006665	Manholes, Type A, 7'-Diameter, with Special Frame, Closed Lid	EACH	1	0	0	1

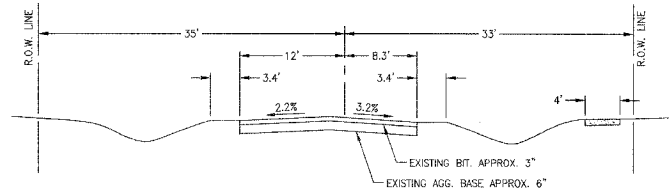
\* See Special Provisions  
 Δ Specialty Item  
 \*\* 1080

FAU #	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	83	3
CONTRACT NO. 87314				
FED. ROAD DIST. NO. ILLINOIS				
FED. AID PROJECT				
* LOWE RD. FAU 6209/WALDRON RD. FAU 6184				
** 02-00284-00-WR & 01-00017-00-FP				
 <b>TYSON ENGINEERING, INC.</b> CONSULTING SURVEYING ENGINEERS DESIGN FIRM LICENSE #184-001135 367 SOUTH SCHUYLER AVENUE KANKAKEE, ILLINOIS 60901 PHONE (815) 932-7406				
This document and the ideas and designs incorporated herein, as an instrument of professional service, is the property of Tyson Engineering Inc. and is not to be used in whole or in part, for any other project without written authorization of Tyson Engineering Inc.				
Do not scale drawings. Use dimensions only.				
Contractor shall be responsible for verifying all dimensions.				
Information hereon and herein is confidential.				
REVISIONS				
NO.	DATE	BY	DESCRIPTION	
3	10/24/06	MRG	PER IDOT REVIEW	
4	12/29/06	MRG	PER COUNTY REV	
SUMMARY OF QUANTITIES				
<b>PROPOSED IMPROVEMENTS FOR</b> <b>LOWE ROAD</b> FROM IL-17 TO WALDRON ROAD <b>WALDRON ROAD</b> FROM CORP. LIMITS TO DIVISION STREET				
SECTION				
02-00284-00-WR & 01-00017-00-FP				
DATE:	7/10/06	JOB NO.	E01015	
SCALE:	N/A	FILE NO.		
DRAWN BY:	MRG	SHEET	3	
CHECKED BY:	SRM		83	

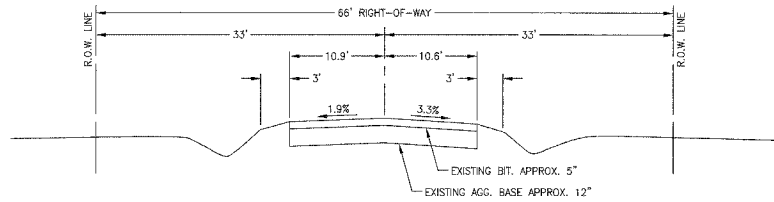
**TYPICAL EXISTING ROADWAY CROSS SECTIONS**



**WALDRON ROAD - STA. 199+00 TO STA. 208+00**  
NOT TO SCALE

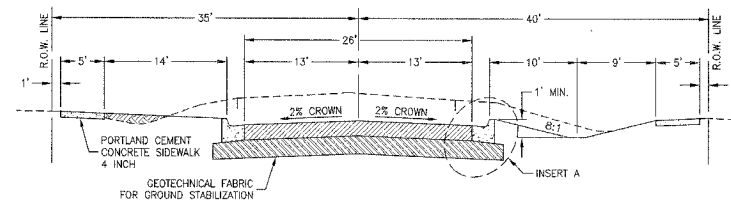


**LOWE ROAD - STA. 9+24 TO STA. 36+50**  
NOT TO SCALE

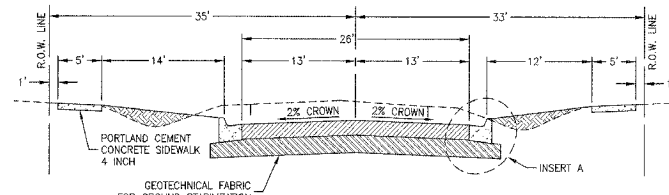


**LOWE ROAD - STA. 36+50 TO STA. 151+50**  
NOT TO SCALE

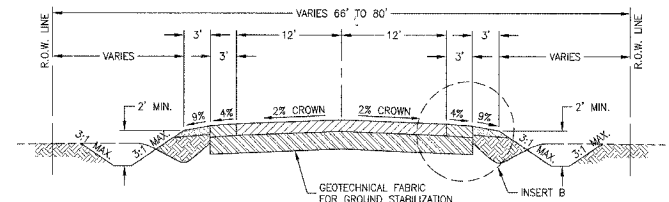
**TYPICAL PROPOSED ROADWAY CROSS SECTIONS**



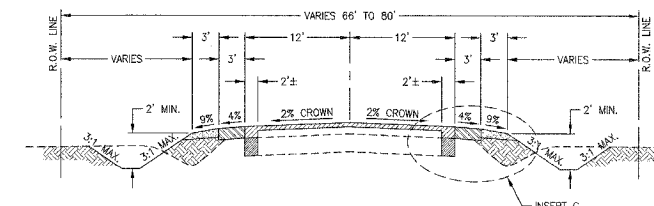
**WALDRON ROAD - STA. 199+25 TO STA. 208+00**  
NOT TO SCALE



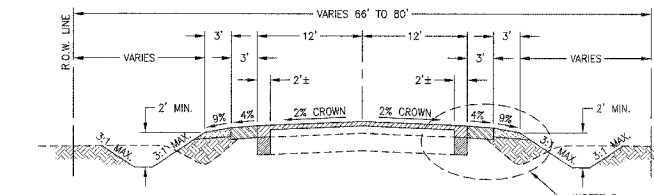
**LOWE ROAD - STA. 9+50 TO STA. 36+50**  
NOT TO SCALE



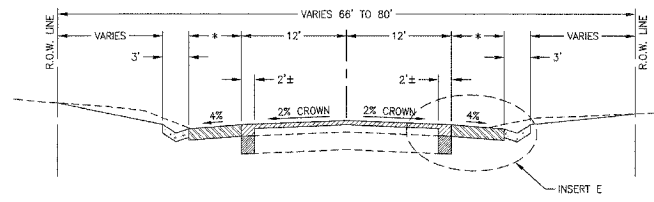
**LOWE ROAD**  
STA. 36+66 TO STA. 38+00  
STA. 106+50 TO STA. 109+53  
STA. 110+74 TO STA. 113+00  
STA. 134+50 TO STA. 138+00  
NOT TO SCALE



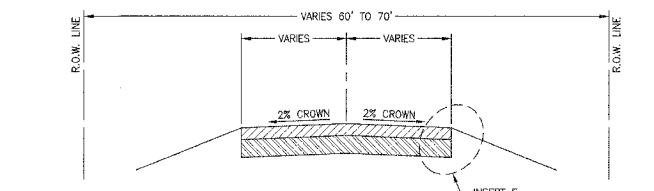
**LOWE ROAD - STA. 38+00 TO STA. 54+00**  
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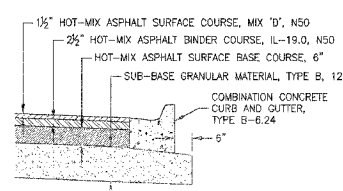
**LOWE ROAD**  
STA. 54+00 TO STA. 106+50  
STA. 113+00 TO STA. 134+50  
STA. 138+00 TO STA. 151+50  
**EXCEPT TYPE A GUTTER SECTIONS (BELOW)**  
NOT TO SCALE



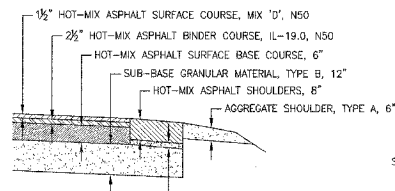
**LOWE ROAD**  
STA. 76+00 TO STA. 77+40 RT \*#6'  
STA. 76+50 TO STA. 77+85 LT \*#6'  
STA. 85+00 TO STA. 87+10 RT \*#6'  
STA. 142+15 TO STA. 151+50 RT \*#4'  
NOT TO SCALE



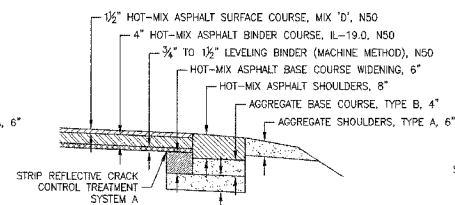
**SIDE STREETS**  
IRVINE STREET - STA. 301+40 TO STA. 302+30  
OLD WALDRON ROAD - STA. 14+30 LT  
SIXTH STREET - STA. 16+85 RT  
RICHARD STREET - STA. 20+48 LT  
STRASMA DRIVE - STA. 29+00 LT  
NOT TO SCALE



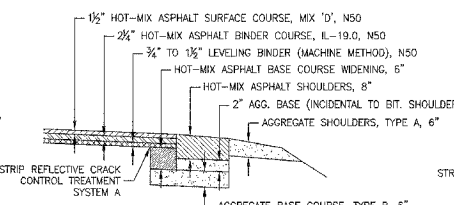
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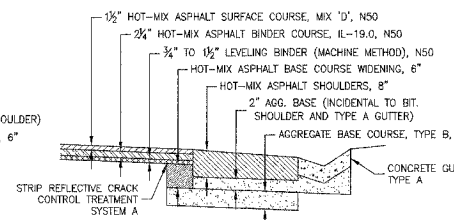
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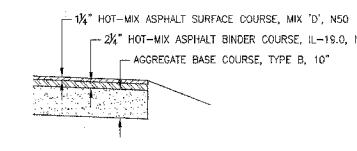
**INSERT C**  
NOT TO SCALE



**INSERT D**  
NOT TO SCALE



**INSERT E**  
NOT TO SCALE



**INSERT F**  
NOT TO SCALE

FAU SITE #	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	**	KANKAKEE	83	4

CONTRACT NO. 87314  
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT  
\* LOWE RD. FAU 6209/WALDRON RD. FAU 6184  
\*\* 02-00284-00-WR & 01-00017-00-FP

**TYSON ENGINEERING, INC.**  
CONSULTING CIVIL ENGINEERS  
LAND SURVEYORS  
DESIGN FIRM LICENSE #184-001136  
367 SOUTH SCHUYLER AVENUE  
KANKAKEE, ILLINOIS 60901  
PHONE (815) 952-7406

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REVISIONS			
NO.	DATE	BY	DESCRIPTION
3	10/24/06	MRG	PER IDOT REVIEW
4	12/29/06	MRG	PER COUNTY REV

TYPICAL ROADWAY CROSS SECTIONS

PROPOSED IMPROVEMENTS FOR  
**LOWE ROAD**  
FROM IL-17 TO WALDRON ROAD  
**WALDRON ROAD**  
FROM CORP. LIMITS TO DIVISION STREET

SECTION  
02-00284-00-WR &  
01-00017-00-FP

DATE: 7/10/06	JOB NO. E01015
SCALE: N/A	FILE NO.
DRAWN BY: MRG	SHEET 4
CHECKED BY: SRM	83

TRENCH BACKFILL SCHEDULE		
LOCATION	TRENCH BACKFILL SPECIAL (CU YD)	
<b>SECTION 01-00017-00-FP</b>		
STA 199+54	114	WALDRON
STA 9+85 TO 9+90	15	LOWE
STA 10+31 TO 10+62 - 25' LT	71	DRIVE
STA 11+05	6	LOWE
STA 11+15 TO 11+46 - 25' LT	74	DRIVE
STA 12+00	8	LOWE
STA 12+66 TO 12+91 - 25' LT	64	DRIVE
STA 13+50	8	LOWE
STA 13+96 TO 14+82 - 25' LT	134	OLD WALDRON
STA 14+85	6	LOWE
STA 14+78 TO 18+10 - 25' LT	535	SIDEWALK
STA 16+10	5	LOWE
STA 16+26 TO 16+38 - 31' RT	5	SIDEWALK
STA 16+42 - 41 TO 51' RT	3	DRIVE
STA 16+26 TO 15+99 - 25' LT	152	DRIVE
STA 17+20	12	LOWE
STA 18+93 TO 17+03 - 30' RT	6	SIDEWALK
STA 17+48 TO 17+75 - 25' LT	51	DRIVE
STA 18+34 TO 18+64 - 25' LT	98	DRIVE
STA 19+32 TO 19+59 - 25' LT	94	DRIVE
STA 20+14 TO 20+90 - 25' LT	181	RICHARD
STA 21+90	8	LOWE
STA 22+31 TO 22+54 - 25' LT	69	DRIVE
STA 22+66 TO 23+82 - 25' LT	330	SIDEWALK
STA 23+15	8	LOWE
STA 24+07 TO 24+32 - 25' LT	67	DRIVE
STA 24+70	8	LOWE
STA 24+77 TO 25+00 - 25' LT	58	DRIVE
STA 25+85 TO 25+88 - 25' LT	51	DRIVE
STA 25+98 TO 26+18 - 25' LT	41	DRIVE
STA 26+40 TO 26+60 - 25' LT	37	DRIVE
STA 26+85	8	LOWE
STA 27+23 TO 27+50 - 25' LT	41	DRIVE
STA 28+20	8	LOWE
STA 28+22 TO 28+49 - 25' LT	36	DRIVE
STA 28+69 TO 28+74 - 31' LT	3	SIDEWALK
STA 28+86 TO 29+40 - 25' LT	56	STRASMA
STA 29+75	10	LOWE
STA 30+14 TO 30+41 - 25' LT	11	DRIVE
STA 30+60 TO 32+84 - 25' LT	87	SIDEWALK
STA 31+00	6	LOWE
STA 33+00	6	LOWE
STA 195+60 TO 196+00 - 25' RT	74	DRIVE
STA 200+29 TO 200+38 - 29' LT	14	SIDEWALK
STA 201+55	15	WALDRON
STA 201+55 - 32' LT	3	SIDEWALK
STA 202+86 TO 202+95 - 25' RT	12	SIDEWALK
STA 203+00	25	WALDRON
STA 202+95 - 32' LT	10	SIDEWALK
STA 205+89 TO 206+25 - 19' LT	13	DRIVE
STA 206+35	12	WALDRON
STA 207+70	5	WALDRON
STA 301+58	12	IRVINE
STA 301+74 TO 301+92 - 21' RT	4	DRIVE
<b>SUBTOTAL</b>	<b>2676</b>	
<b>SECTION 02-00284-00-WR</b>		
STA 63+70 TO 64+30 - 29' LT	18	DAY
STA 64+25	19	LOWE
STA 80+18 TO 90+78 - 27' LT	10	POTTENGER
STA 84+00	19	LOWE
STA 142+15 TO 144+75 - 28' RT	67	SHOULDER
<b>SUBTOTAL</b>	<b>133</b>	
<b>TOTAL</b>	<b>2809</b>	

PAVEMENT MARKING SCHEDULE							
LOCATION	TEMPORARY PAVEMENT MARKING LINE 4" (FOOT)	THERMOPLASTIC PAVEMENT MARKING			RECESSED REFLECTIVE PAVEMENT MARKER (EACH)	PAVEMENT MARKING REMOVAL (SQ FT)	
		LETTERS AND SYMBOLS (SQ FT)	LINE 6" (FOOT)	LINE 12" (FOOT)			
<b>SECTION 01-00017-00-FP</b>							
STA 9+50 TO 36+50	680					227	SKIP DASH YELLOW
STA 9+50 TO 36+50			680		68		SKIP DASH YELLOW
STA 9+59			96	90			CROSS WALK WHITE
STA 9+75					28		STOP BAR WHITE
STA 14+01			70	60			CROSS WALK WHITE
STA 14+30 LT			76	60			CROSS WALK WHITE
STA 14+30 LT					15		STOP BAR WHITE
STA 16+34			67	60			CROSS WALK WHITE
STA 16+85 RT			88	78			CROSS WALK WHITE
STA 16+85 RT					17		STOP BAR WHITE
STA 20+19			72	60			CROSS WALK WHITE
STA 20+48 LT			88	84			CROSS WALK WHITE
STA 20+48 LT					17		STOP BAR WHITE
STA 29+00 LT			82	72			CROSS WALK WHITE
STA 29+00 LT					17		STOP BAR WHITE
STA 29+33			66	60			CROSS WALK WHITE
STA 31+71 RT		61.2			28		RR CROSSING WHITE
STA 197+50 TO 208+00	260					87	SKIP DASH YELLOW
STA 197+50 TO 208+00			280		26		SKIP DASH YELLOW
STA 200+32			54	48			CROSS WALK WHITE
STA 202+92			56	48			CROSS WALK WHITE
STA 301+32			56	48			CROSS WALK WHITE
STA 301+48					13		STOP BAR WHITE
<b>SUBTOTAL</b>	<b>940</b>	<b>61.2</b>	<b>1811</b>	<b>768</b>	<b>131</b>	<b>94</b>	<b>314</b>
<b>SECTION 02-00284-00-WR</b>							
STA 36+86 TO 151+50	2870					957	SKIP DASH YELLOW
STA 36+50 TO 151+50					267		
STA 36+50 TO 151+50			2870				SKIP DASH YELLOW
STA 36+86 TO 151+50 LT			11484				EDGE LINE WHITE
STA 36+86 TO 151+50 RT			11484				EDGE LINE WHITE
STA 41+27 LT		61.2			24		RR CROSSING WHITE
STA 54+00 RT					12		STOP BAR WHITE
STA 80+48 LT					12		STOP BAR WHITE
STA 127+45 TO 135+83			838				LINE YELLOW
STA 138+42 TO 147+07			865				LINE YELLOW
<b>SUBTOTAL</b>	<b>2870</b>	<b>61.2</b>	<b>27541</b>	<b>0</b>	<b>48</b>	<b>287</b>	<b>957</b>
<b>LESS COUNTY</b>	<b>-2870</b>	<b>0</b>	<b>-27541</b>	<b>0</b>	<b>-24</b>	<b>0</b>	<b>-957</b>
<b>TOTAL</b>	<b>940</b>	<b>122.4</b>	<b>1811</b>	<b>768</b>	<b>155</b>	<b>381</b>	<b>314</b>

\* TO BE DONE BY KANKAKEE COUNTY FORCES

FENCING SCHEDULE				
LOCATION	CHAIN LINK GATE 6"x6" DOUBLE (EACH)	FENCE TO BE REMOVED AND RE-ERECTED (FOOT)	SPLIT RAIL FENCE TO BE REMOVED AND RE-ERECTED (FOOT)	WOODEN FENCE RELOCATION (FOOT)
<b>SECTION 01-00017-00-FP</b>				
STA 21+89 TO 22+33 - 35' LT			44	
STA 22+49 TO 23+21 - 35' LT			72	
STA 23+47 TO 24+08 - 35' LT			61	
STA 34+25 - 40' RT	1			
STA 203+12 TO 203+25 - 35' LT				13
<b>SUBTOTAL</b>	<b>1</b>	<b>0</b>	<b>177</b>	<b>13</b>
<b>SECTION 02-00284-00-WR</b>				
STA 37+15 TO 44+15 - 33' RT		700		
STA 45+20 TO 46+42 - 33' RT		122		
<b>SUBTOTAL</b>	<b>0</b>	<b>822</b>	<b>0</b>	<b>0</b>
<b>TOTAL</b>	<b>1</b>	<b>822</b>	<b>177</b>	<b>13</b>

NON-SPECIAL WASTE SCHEDULE	
LOCATION	NON-SPECIAL WASTE DISPOSAL (CU YD)
<b>SECTION 01-00017-00-FP</b>	
STA 201+75 TO 202+25 LT	100
<b>SUBTOTAL</b>	<b>100</b>
<b>SECTION 02-00284-00-WR</b>	
<b>SUBTOTAL</b>	<b>0</b>
<b>TOTAL</b>	<b>100</b>

CONDUIT SCHEDULE	
LOCATION	CONDUIT IN TRENCH 3" DIA, PVC (FOOT)
<b>SECTION 01-00017-00-FP</b>	
STA 207+70	40
<b>SUBTOTAL</b>	<b>40</b>
<b>SECTION 02-00284-00-WR</b>	
<b>SUBTOTAL</b>	<b>0</b>
<b>TOTAL</b>	<b>40</b>

RETAINING WALL SCHEDULE	
LOCATION	MODULAR BLOCK RETAINING WALL (SQ FT)
<b>SECTION 01-00017-00-FP</b>	
STA 15+50 TO 15+63 RT	42
<b>SUBTOTAL</b>	<b>42</b>
<b>SECTION 02-00284-00-WR</b>	
<b>SUBTOTAL</b>	<b>0</b>
<b>TOTAL</b>	<b>42</b>

TURF ESTABLISHMENT SCHEDULE				
LOCATION	TOPSOIL FURNISH AND PLACE 4" (SQ YD)	SEEDING CLASS 2A (ACRE)	MULCH METHOD 3 (ACRE)	SODDING SALT TOLERANT (SQ YD)
<b>SECTION 01-00017-00-FP</b>				
STA 9+50 TO 11+10	263			263
STA 11+10 TO 14+30	1060			1060
STA 14+30 TO 20+16	1700			1700
STA 20+16 TO 32+80	1667	0.40	0.40	1667
STA 32+80 TO 36+50	108	0.30	0.30	108
STA 191+00 TO 197+50		0.40	0.40	
STA 197+50 TO 199+25		0.15	0.15	
STA 199+25 TO 200+30		0.05	0.05	
STA 200+30 TO 208+12	994	0.35	0.35	994
STA 301+34 TO 302+30	244			244
<b>SUBTOTAL</b>	<b>6036</b>	<b>1.65</b>	<b>1.65</b>	<b>6036</b>
<b>SECTION 02-00284-00-WR</b>				
STA 36+66 TO 47+00		0.75	0.75	
STA 47+00 TO 54+35		0.85	0.85	
STA 54+35 TO 67+00		1.10	1.10	
STA 67+00 TO 76+00		0.90	0.90	
STA 76+00 TO 77+65	398			398
STA 77+65 TO 120+00		4.85	4.85	
STA 120+00 TO 142+25		2.15	2.15	
STA 142+25 TO 151+70		0.80	0.80	
<b>SUBTOTAL</b>	<b>398</b>	<b>11.00</b>	<b>11.00</b>	<b>398</b>
<b>TOTAL</b>	<b>6434</b>	<b>12.65</b>	<b>12.65</b>	<b>6434</b>

SIDEWALK SCHEDULE		
LOCATION	PORTLAND CEMENT CONCRETE SIDEWALK 4" (SQ FT)	DETECTABLE WARNING (SQ FT)
<b>SECTION 01-00017-00-FP</b>		
STA 9+76 TO 32+64 LT	8740	63
STA 13+98 TO 14+60 RT	108	0
STA 14+00	100	18
STA 15+06 TO 15+68 RT	160	0
STA 16+21 TO 17+35 RT	256	18
STA 16+34	113	9
STA 17+85 TO 18+32 RT	124	0
STA 20+20	90	9
STA 26+26 TO 29+39 RT	400	0
STA 29+26	170	0
STA 29+37	105	18
STA 200+05 TO 207+84 LT	3230	27
STA 200+25 TO 208+31 RT	4030	0
STA 200+25	175	18
STA 202+90	145	18
<b>SUBTOTAL</b>	<b>17946</b>	<b>198</b>
<b>SECTION 02-00284-00-WR</b>		
<b>SUBTOTAL</b>	<b>0</b>	<b>0</b>
<b>TOTAL</b>	<b>17946</b>	<b>198</b>

GUARD RAIL SCHEDULE					
LOCATION	STEEL PLATE BEAM GUARD RAIL TYPE A (FOOT)	TRAFFIC BARRIER TERMINAL TYPE 5A (EACH)	TRAFFIC BARRIER TERMINAL, TYPE 1 SPECIAL (TANGENT) (EACH)	GUARDRAIL REFLECTORS (EACH)	TERMINAL MATERIALS - DIRECT APPLIED (EACH)
<b>SECTION 01-00017-00-FP</b>					
<b>SUBTOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>SECTION 02-00284-00-WR</b>					
STA 108+60 TO 111+40 RT	137.5	2	2	3	2
STA 108+85 TO 111+70 LT	137.5	2	2	3	2
<b>SUBTOTAL</b>	<b>275</b>	<b>4</b>	<b>4</b>	<b>6</b>	<b>4</b>
<b>TOTAL</b>	<b>275</b>	<b>4</b>	<b>4</b>	<b>6</b>	<b>4</b>

TREES SCHEDULE			
LOCATION	REMOVAL (6 TO 15 UNITS) (UNITS)	(OVER 15 UNITS) (UNITS)	GREEN ASH 2" CALIPER (EACH)
<b>SECTION 01-00017-00-FP</b>			
203+00 - 32' LT		36	
301+41 - 40' RT			1
26+30 - 20' LT			1
26+38 - 29' LT	8		
34+05 - 30' RT			1
34+19 - 38' RT	8		
<b>SUBTOTAL</b>	<b>16</b>	<b>36</b>	<b>3</b>
<b>SECTION 02-00284-00-WR</b>			
57+55 - 35' LT			1
58+00 - 30' LT	12		
75+80 - 25' RT	8		
76+40 - 40' LT			1
76+40 - 35' RT			1
76+43 - 27' LT		24	
76+78 - 20' LT	15		
76+80 - 24' RT	12		
76+90 - 35' RT			1
77+63 - 23' RT		18	
77+90 - 40' LT			1
78+00 - 40' LT			1
85+05 - 17' RT	10		
85+05 - 27' RT			1
85+13 - 31' RT	8		
87+05 - 27' RT			1
<b>SUBTOTAL</b>	<b>65</b>	<b>42</b>	<b>8</b>
<b>TOTAL</b>	<b>81</b>	<b>78</b>	<b>11</b>

CONTRACT NO. 87314  
 FED. ROAD DIST. NO. ILLINOIS  
 \*\* LOWE RD. FAU 6209/WALDRON RD. FAU 5184  
 \*\* 02-00284-00-WR & 01-00017-00-FP

**TYSON ENGINEERING, INC.**  
 CONSULTING CIVIL ENGINEERS  
 LAND SURVEYORS  
 DESIGN FIRM LICENSE #184-001136  
 367 SOUTH SCHUYLER AVENUE  
 KANKAKEE, ILLINOIS 60901  
 PHONE (815) 932-7406

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REVISIONS			
NO.	DATE	BY	DESCRIPTION
3	10/24/06	MRG	PER IDOT REVIEW
4	12/29/06	MRG	PER COUNTY REV

SCHEDULE OF QUANTITIES

PROPOSED IMPROVEMENTS FOR  
**LOWE ROAD**  
 FROM IL-17 TO WALDRON ROAD  
**WALDRON ROAD**  
 FROM CORP. LIMITS TO DIVISION STREET

SECTION 02-00284-00-WR & 01-00017-00-FP

DATE: 7/10/06 JOB NO. E01015  
 SCALE: N/A FILE NO.  
 DRAWN BY: MRG SHEET  
 CHECKED BY: SRM 5  
 83

PK2001E0015.dwg E01015 - TYP SEC & SCHEDULES.dwg 1/25/2007 10:30 PM CST



EROSION CONTROL SCHEDULE						
LOCATION	EROSION CONTROL BLANKET (SQ YD)	TEMP. EROSION CONTROL SEEDING (POUND)	TEMPORARY DITCH CHECKS (EACH)	PERIMETER EROSION BARRIER (FOOT)	INLET AND PIPE PROTECTION (EACH)	STONE RIP-RAP CLASS A3 (SQ YD)
<b>SECTION 01-00017-00-FP</b>						
STA 9+50 TO 11+10		18				
STA 9+90 - 19 LT					1	
STA 9+65 - 15 RT					1	
STA 9+65 - 20 RT					1	
STA 11+05 - 15 LT					1	
STA 11+05 - 15 RT					1	
STA 11+10 TO 14+30		42				
STA 12+00 - 15 LT					1	
STA 12+00 - 15 RT					1	
STA 12+10 - 15 RT					1	
STA 13+50 - 15 LT					1	
STA 13+50 - 15 RT					1	
STA 13+60 - 15 RT					1	
STA 14+30 - LT				100		
STA 14+30 TO 36+50		221				
STA 14+85 - 15 LT					1	
STA 14+85 - 15 RT					1	
STA 16+10 - 15 LT					1	
STA 16+10 - 15 RT					1	
STA 16+43 - 85 RT					1	
STA 16+87 - 59 RT					1	
STA 17+20 - 25 LT					1	
STA 17+20 - 15 LT					1	
STA 17+20 - 15 RT					1	
STA 17+85 - 25 LT					1	
STA 18+75 - 25 LT					1	
STA 19+94 - 15 LT					1	
STA 21+00 - 25 LT					1	
STA 21+50 - 15 LT					1	
STA 21+00 - 15 RT					1	
STA 21+60 - 15 RT					1	
STA 20+88 LT				90		
STA 23+15 - 15 LT					1	
STA 23+15 - 15 RT					1	
STA 23+05 - 15 RT					1	
STA 24+70 - 15 LT					1	
STA 24+70 - 15 RT					1	
STA 24+60 - 15 RT					1	
STA 26+65 - 15 LT					1	
STA 26+65 - 15 RT					1	
STA 26+55 - 15 RT					1	
STA 28+10 - 15 RT					1	
STA 28+20 - 15 LT					1	
STA 28+20 - 15 RT					1	
STA 28+85 - 54 LT					1	
STA 29+00 LT				90		
STA 29+75 - 15 LT					1	
STA 29+75 - 15 RT					1	
STA 29+75 - 20 RT					1	
STA 29+75 - 25 LT					1	
STA 29+85 - 15 LT					1	
STA 29+85 - 15 RT					1	
STA 31+00 - 15 LT					1	
STA 31+00 - 15 RT					1	
STA 33+00 TO 36+00 RT				380		
STA 33+00 - 15 RT					1	
STA 33+00 - 15 LT					1	
STA 34+25 TO 36+00 RT				175		
STA 191+00 TO 197+50 RT		42				
STA 196+40 - 25 RT					1	
STA 197+50 - 25 RT					1	
STA 197+50 TO 199+25 RT		17				
STA 198+50 - 25 RT					1	
STA 199+50 TO 208+00		78				
STA 201+55 - 25 RT					1	
STA 201+55 - 15 RT					1	
STA 201+55 - 15 LT					1	
STA 201+45 - 15 LT					1	

EROSION CONTROL SCHEDULE						
LOCATION	EROSION CONTROL BLANKET (SQ YD)	TEMP. EROSION CONTROL SEEDING (POUND)	TEMPORARY DITCH CHECKS (EACH)	PERIMETER EROSION BARRIER (FOOT)	INLET AND PIPE PROTECTION (EACH)	STONE RIP-RAP CLASS A3 (SQ YD)
STA 201+55 - 40 LT					1	
STA 203+00 - 25 RT					1	
STA 203+00 - 15 LT					1	
STA 205+70 - 22 LT					1	
STA 206+25 - 15 LT					1	
STA 206+35 - 25 RT					1	
STA 206+35 - 15 RT					1	
STA 206+35 - 15 LT					1	
STA 301+50 - 16 LT					1	
STA 301+93 - 21 RT					1	
<b>SUBTOTAL</b>	<b>0</b>	<b>418</b>	<b>0</b>	<b>835</b>	<b>67</b>	<b>0</b>
<b>SECTION 02-00284-00-WR</b>						
STA 36+40 TO 41+00 RT				440		
STA 36+66 TO 47+00		81				
STA 37+25 TO 41+00 LT				375		
STA 41+00 LT			1			
STA 41+00 RT			1			
STA 46+95 RT			1			
STA 47+00 TO 55+00		82				
STA 47+15 - 27 RT					1	
STA 50+40 - 27 RT					1	
STA 53+50 - LT			1			
STA 53+50 - RT			1			
STA 53+70 - 27 RT					1	
STA 53+80 - 27 LT					1	
STA 54+20 LT						20
STA 54+35 - 25 RT					1	
STA 54+50 LT			1			
STA 54+50 RT			1			
STA 55+00 TO 67+00		110				
STA 57+65 - 27 LT					1	
STA 58+00 RT			1			
STA 58+60 LT			1			
STA 60+50 RT			1			
STA 61+00 TO 69+00 LT				800		
STA 64+00 RT			1			
STA 66+50 RT			1			
STA 67+00 TO 76+50		109				
STA 71+45 - 27 LT					1	
STA 72+70 LT			1			
STA 73+50 RT			1			
STA 74+85 - 27 RT					1	
STA 75+50 RT			1			
STA 76+00 LT			1			
STA 75+80 - 28 RT					1	
STA 76+30 - 28 LT					1	
STA 76+50 TO 79+00		12				
STA 76+00 TO 120+00		484				
STA 80+20 - 28 LT					1	
STA 83+50 LT			1			
STA 83+50 RT			1			
STA 84+00 - 26 RT					1	
STA 84+10 - 37 LT					1	
STA 89+70 RT			1			
STA 91+20 LT			1			
STA 92+00 - 35 LT					1	
STA 92+50 RT			1			
STA 93+50 LT			1			
STA 93+60 - 27 RT					1	
STA 95+20 RT			1			
STA 98+50 LT			1			
STA 100+30 RT			1			
STA 102+75 LT			1			
STA 103+40 RT			1			
STA 105+40 LT			1			
STA 106+10 RT			1			
STA 106+80 - 30 RT					1	
STA 108+20 - 47 LT					1	
STA 109+00 LT			1			
STA 109+50 RT			1			

EROSION CONTROL SCHEDULE						
LOCATION	EROSION CONTROL BLANKET (SQ YD)	TEMP. EROSION CONTROL SEEDING (POUND)	TEMPORARY DITCH CHECKS (EACH)	PERIMETER EROSION BARRIER (FOOT)	INLET AND PIPE PROTECTION (EACH)	STONE RIP-RAP CLASS A3 (SQ YD)
STA 109+50 LT						42
STA 110+00 RT						42
STA 110+30 LT						42
STA 111+10 RT						42
STA 110+80 LT			1			
STA 111+50 RT			1			
STA 112+35 - 47 LT					1	
STA 114+90 RT					1	
STA 117+40 LT			1			
STA 120+00 TO 142+25		227				
STA 120+00 TO 126+00 RT				600		
STA 124+00 LT			1			
STA 124+95 - 27 LT					1	
STA 124+95 TO 138+00 LT	1450					
STA 125+70 LT			1			
STA 126+00 RT			1			
STA 126+00 TO 137+30 RT	1256					
STA 127+10 LT			1			
STA 127+60 RT			1			
STA 128+40 LT			1			
STA 128+70 RT			1			
STA 129+30 LT			1			
STA 129+50 RT			1			
STA 130+00 LT			1			
STA 130+30 RT			1			
STA 130+60 LT			1			
STA 130+80 RT			1			
STA 131+10 LT			1			
STA 131+30 RT			1			
STA 131+60 LT			1			
STA 131+80 RT			1			
STA 132+10 LT			1			
STA 132+20 RT			1			
STA 132+50 LT			1			
STA 132+70 RT			1			
STA 132+90 LT			1			
STA 133+10 RT			1			
STA 133+30 LT			1			
STA 133+40 RT			1			
STA 133+70 LT			1			
STA 133+80 RT			1			
STA 134+20 RT			1			
STA 134+60 RT			1			
STA 134+65 - 28 LT					1	
STA 134+80 LT			1			
STA 135+00 RT			1			
STA 135+20 LT			1			
STA 135+50 RT			1			
STA 135+60 LT			1			
STA 135+90 RT			1			
STA 136+10 LT			1			
STA 136+50 RT			1			
STA 136+70 LT			1			
STA 137+50 LT			1			
STA 137+90 - 27 RT					1	
STA 138+20 RT			1			
STA 140+40 - 32 RT					1	
STA 140+90 LT			1			
STA 142+25 TO 151+50		68				
STA 142+25 - 18 RT					1	
STA 142+75 - 18 RT					1	
STA 143+25 - 18 RT					1	
STA 143+75 - 18 RT					1	
STA 144+25 - 18 RT					1	
STA 144+75 - 18 RT					1	
STA 145+70 LT			1			
STA 142+25 TO 151+80 RT				955		
STA 149+50 TO 152+00 LT					250	
<b>SUBTOTAL</b>	<b>2706</b>	<b>1173</b>	<b>77</b>	<b>3120</b>	<b>28</b>	<b>188</b>
<b>TOTAL</b>	<b>2706</b>	<b>1591</b>	<b>77</b>	<b>39</b>		

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STORM SEWER PIPE SCHEDULE														
LOCATION	STORM SEWERS, CLASS A, TYPE 1 (FOOT)						STORM SEWERS, CLASS A, TYPE 2 (FOOT)						PIPE DRAINS (FOOT)	
	12"	15"	18"	24"	30"	42"	48"	12"	24"	30"	36"	42"	4"	8"
SECTION 01-00017-00-FP														
STA 9+90	47							6						
STA 9+90 TO 11+05 - 25 LT												115		
STA 11+05	40													
STA 11+05 TO 12+00 - 25 LT												95		
STA 12+00	50													
STA 12+00 TO 13+50 - 25 LT												150		
STA 13+50	50													
STA 13+50 TO 14+85 - 25 LT												135		
STA 14+85	40													
STA 14+85 TO 16+10 - 25 LT												125		
STA 16+10	125													
STA 16+10 TO 17+20 - 25 LT												110		
STA 17+20		60	40											
STA 17+20 TO 17+85 - 25 LT												65		
STA 17+85 TO 18+75 - 25 LT												90		
STA 18+75 TO 19+94 - 25 LT												119		
STA 19+94	10													
STA 19+94 TO 21+00 - 25 LT												106		
STA 21+00 TO 21+90 - 25 LT												90		
STA 21+90	50													
STA 21+90 TO 23+15 - 25 LT												125		
STA 23+15	50													
STA 23+15 TO 24+70 - 25 LT												155		
STA 24+70	50													
STA 24+70 TO 26+65 - 25 LT												195		
STA 26+65	50													
STA 26+65 TO 28+20 - 25 LT												155		
STA 28+20	50													
STA 28+20 TO 28+67 - 25 LT												47		
STA 28+67	34													
STA 28+67 TO 29+75 - 25 LT														
STA 29+75	25	40												
STA 29+75 TO 31+00 - 25 LT				125										
STA 31+00	40													
STA 31+00 TO 33+01 - 25 LT				200										
STA 33+00	40													
STA 193+50 TO 196+40 - 25 RT												290		
STA 196+40 TO 197+50 - 25 RT												108		
STA 197+50 TO 198+50 - 25 RT												96		
STA 198+50 TO 199+53 - 25 RT													99	
STA 199+53 TO 201+55												198		
STA 199+52 TO 9+90												74		
STA 201+55	35	40												
STA 201+55 TO 203+00 - 25 RT												145		
STA 203+00	41	35	59	40										
STA 203+00 TO 206+35 - 25 RT												335		
STA 206+35	21	44	40										15	
SUBTOTAL	849	419	264	483	343	96	398	6	202	1180	569	99	15	0
SECTION 02-00284-00-WR														
STA 75+87 TO 84+00 - 22 RT														813
STA 142+00 TO 144+75 - 18 RT	275													
SUBTOTAL	275	0	0	0	0	0	0	0	0	0	0	0	0	813
TOTAL	1124	419	264	483	343	96	398	6	202	1180	569	99	15	813

CULVERT SCHEDULE																	
LOCATION	PRECAST CONCRETE BOX CULVERT (FOOT)			PIPE CULVERTS, CLASS A, TYPE 1 (FOOT)					PRECAST REINFORCED CONCRETE FLARED END SECTIONS (EACH)					PRECAST CONCRETE BOX CULVERT END SECTIONS (EACH)			
	4'x2'	5'x2'	8'x2'	12"	15"	18"	24"	30"	12"	15"	18"	24"	30"	48"	4'x2'	5'x2'	8'x2'
	SECTION 01-00017-00-FP																
STA 16+10														1			
STA 17+20														1			
STA 193+50															1		
STA 203+00														1			
SUBTOTAL	0	0	0	0	0	0	0	0	1	2	0	0	0	1	0	0	0
SECTION 02-00284-00-WR																	
STA 47+16 TO 47+68 - 27 RT								40						2			
STA 50+41 TO 50+93 - 27 RT								40						2			
STA 52+70 TO 54+30 - 29 RT										96				4			
STA 53+77 TO 54+13 - 27 LT								24						2			
STA 54+25								40									2
STA 57+11 TO 57+55 - 27 LT										32				2			
STA 71+47 TO 72+07 - 27 LT										48				2			
STA 74+65 TO 75+09 - 24 RT										32				2			
STA 75+80 TO 77+80 - 28 RT										168				2			
STA 76+30 TO 78+10 - 28 LT										168				2			
STA 80+18 TO 80+78 - 28 LT										48				2			
STA 84+00													48				
STA 84+10 TO 87+98 - 37 LT										376				2			
STA 92+00 TO 92+60 - 35 LT										48				2			
STA 93+59 TO 94+19 - 28 RT										48						2	
STA 106+60 TO 107+20 - 30 RT										48						2	
STA 108+21 TO 108+81 - 46 LT											48			2			
STA 111+75 TO 112+35 - 47 LT										48						2	
STA 124+35 TO 124+95 - 27 LT										48						2	
STA 134+05 TO 134+65 - 26 LT											48			2			
STA 137+31 TO 137+91 - 27 RT										48				2			
STA 139+86 TO 140+36 - 32 RT										40				2			
STA 142+00 TO 144+75 - 18 RT														1			
SUBTOTAL	48	144	40	648	40	48	144	472	21	2	2	6	6	0	2	6	2
TOTAL	48	144	40	648	40	48	144	472	22	4	2	6	6	1	2	6	2

FAU DIST. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	**	KANKAKEE	83	8

CONTRACT NO. 87314  
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT  
 \* LOWE RD. FAU 8209/WALDRON RD. FAU 6184  
 \*\* 02-00284-00-WR & 01-00017-00-FP

**TYSON ENGINEERING, INC.**  
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 367 SOUTH SCHUYLER AVENUE  
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REVISIONS				
NO.	DATE	BY	DESCRIPTION	
3	10/24/06	MRG	PER IDOT REVIEW	
4	12/29/06	MRG	PER COUNTY REV	

SCHEDULE OF QUANTITIES

PROPOSED IMPROVEMENTS FOR  
**LOWE ROAD**  
 FROM IL-17 TO WALDRON ROAD  
**WALDRON ROAD**  
 FROM CORP. LIMITS TO DIVISION STREET


SECTION 02-00284-00-WR & 01-00017-00-FP	
DATE: 7/10/06	JOB NO. E01015
SCALE: N/A	FILE NO.
DRAWN BY: MRG	SHEET
CHECKED BY: SRM	<b>8</b>
	83



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STORM SEWER STRUCTURE SCHEDULE															
STRUCTURE	LOCATION	MANHOLES, TYPE A, TYPE 1 FRAME					MANHOLES, TYPE A, TYPE 1 WITH SPECIAL FRAME			MANHOLES, TYPE A, 4' DIAMETER, TYPE 3 FRAME AND GRATE (EACH)	INLETS				PRECAST "T" FOR 48" DIA. TYPE 1 FRAME OPEN LID (EACH)
		4' - OPEN LID (EACH)	4' - CLOSED LID (EACH)	5' - OPEN LID (EACH)	5' - CLOSED LID (EACH)	6' - CLOSED LID (EACH)	5' - GRATE (EACH)	6' - GRATE (EACH)	7' - CLOSED LID (EACH)		TYPE A, TYPE 3 FRAME AND GRATE (EACH)	TYPE B, TYPE 3 FRAME AND GRATE (EACH)	TYPE A, TYPE 8 GRATE (EACH)	TYPE A, TYPE 9 GRATE (EACH)	
SECTION 01-00017-00-FP															
16	STA 9+65 - 15 RT														
16A	STA 9+65 - 20 RT														
17	STA 9+90 - 19 LT														
15	STA 9+90 - 25 LT														
19	STA 11+05 - 15 RT														
21	STA 11+05 - 15 LT														
18	STA 11+05 - 25 LT														
25	STA 12+00 - 15 LT														
23	STA 12+00 - 15 RT														
22	STA 12+00 - 25 LT														
24	STA 12+10 - 15 RT														
93	STA 13+50 - 15 LT														
91	STA 13+50 - 15 RT														
90	STA 13+50 - 25 LT														
92	STA 13+60 - 15 RT														
33	STA 14+85 - 15 LT														
31	STA 14+85 - 15 RT														
30	STA 14+85 - 25 LT														
89	STA 16+10 - 15 LT														
88	STA 16+10 - 15 RT														
87	STA 16+10 - 25 LT														
34	STA 16+40 - 35 RT														
36	STA 16+90 - 35 RT														
40	STA 17+20 - 15 LT														
39	STA 17+20 - 15 RT														
38	STA 17+20 - 25 LT														
38A	STA 17+85 - 25 LT														
38B	STA 18+75 - 25 LT														
85	STA 19+94 - 15 LT														
84	STA 19+94 - 25 LT														
84A	STA 21+00 - 25 LT														
83	STA 21+80 - 15 RT														
81	STA 21+80 - 15 LT														
82	STA 21+90 - 15 RT														
80	STA 21+90 - 25 LT														
79	STA 23+05 - 15 RT														
77	STA 23+15 - 15 LT														
78	STA 23+15 - 15 RT														
76	STA 23+15 - 25 LT														
75	STA 24+80 - 15 RT														
73	STA 24+70 - 15 LT														
74	STA 24+70 - 15 RT														
72	STA 24+70 - 25 LT														
71	STA 26+55 - 15 RT														
69	STA 26+65 - 15 LT														
70	STA 26+65 - 15 RT														
68	STA 26+65 - 25 LT														
86	STA 28+10 - 15 RT														

STORM SEWER STRUCTURE SCHEDULE															
STRUCTURE	LOCATION	MANHOLES, TYPE A, TYPE 1 FRAME					MANHOLES, TYPE A, TYPE 1 WITH SPECIAL FRAME			MANHOLES, TYPE A, 4' DIAMETER, TYPE 3 FRAME AND GRATE (EACH)	INLETS				PRECAST "T" FOR 48" DIA. TYPE 1 FRAME OPEN LID (EACH)
		4' - OPEN LID (EACH)	4' - CLOSED LID (EACH)	5' - OPEN LID (EACH)	5' - CLOSED LID (EACH)	6' - CLOSED LID (EACH)	5' - GRATE (EACH)	6' - GRATE (EACH)	7' - CLOSED LID (EACH)		TYPE A, TYPE 3 FRAME AND GRATE (EACH)	TYPE B, TYPE 3 FRAME AND GRATE (EACH)	TYPE A, TYPE 8 GRATE (EACH)	TYPE A, TYPE 9 GRATE (EACH)	
86	STA 28+20 - 15 LT														
67	STA 28+20 - 15 RT														
65	STA 28+20 - 25 LT														
52	STA 28+67 - 25 LT														
51	STA 28+85 - 54 LT														
54	STA 29+75 - 15 LT														
56	STA 29+75 - 15 RT														
58	STA 29+75 - 20 RT														
53	STA 29+75 - 25 LT														
55	STA 29+85 - 15 LT														
57	STA 29+85 - 15 RT														
60	STA 31+00 - 15 LT														
61	STA 31+00 - 15 RT														
59	STA 31+00 - 25 LT														
63	STA 33+00 - 15 LT														
64	STA 33+00 - 15 RT														
62	STA 33+00 - 25 LT														
142	STA 196+40 - 25 RT														
146	STA 197+50 - 25 RT														
4	STA 198+50 - 25 RT														
14	STA 199+53 - 25 RT														
10	STA 201+55 - 25 RT														
11	STA 201+55 - 15 RT														
12	STA 201+55 - 15 LT														
13	STA 201+45 - 15 LT														
94	STA 201+55 - 40 LT														
41	STA 203+00 - 15 LT														
9	STA 203+00 - 25 RT														
96	STA 205+70 - 22 LT														
95	STA 205+91 - 22 LT														
8	STA 206+25 - 15 LT														
7	STA 206+35 - 15 LT														
6	STA 206+35 - 15 RT														
5	STA 206+35 - 25 RT														
44	STA 301+50 - 16 RT														
42	STA 301+62 - 24 LT														
	<b>SUBTOTAL</b>	1	7	6	11	1	2	1	1	1	28	19	5	0	1
<b>SECTION 02-00284-00-WR</b>															
	STA 142+25 - 18 RT														
	STA 142+75 - 18 RT														
	STA 143+25 - 18 RT														
	STA 143+75 - 18 RT														
	STA 144+25 - 18 RT														
	STA 144+75 - 18 RT														
	<b>SUBTOTAL</b>	0	0	0	0	0	0	0	0	0	0	0	0	6	0
	<b>TOTAL</b>	1	7	6	11	1	2	1	1	1	28	19	5	6	1

FAU DIST.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	**	KANKAKEE	83	9
CONTRACT NO. 87314				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
* LOWE RD, FAU 0209/WALDRON RD, FAU 6184				
* 02-00284-00-WR & 01-00017-00-FP				
 <b>TYSON ENGINEERING, INC.</b> CONSULTING CIVIL ENGINEERS LAND SURVEYORS DESIGN FIRM LICENSE #184-001136 367 SOUTH SCHUYLER AVENUE KANKAKEE, ILLINOIS 60901 PHONE (815) 932-7406				
This document and the ideas and designs incorporated herein, as an instrument of professional service, is the property of Tyson Engineering Inc. and is not to be used in whole or in part, for any other project without written authorization of Tyson Engineering Inc.				
Do not scale drawings. Use dimensions only. Contractor shall be responsible for verifying all dimensions. Information herein and herein is confidential.				
<b>REVISIONS</b>				
NO.	DATE	BY	DESCRIPTION	
3	10/24/06	MRG	PER IDOT REVIEW	
4	12/29/06	MRG	PER COUNTY REV	
SCHEDULE OF QUANTITIES				
<b>PROPOSED IMPROVEMENTS FOR</b> <b>LOWE ROAD</b> FROM IL-17 TO WALDRON ROAD <b>WALDRON ROAD</b> FROM CORP. LIMITS TO DIVISION STREET				
SECTION				
02-00284-00-WR & 01-00017-00-FP				
DATE:	7/10/06	JOB NO.	E01015	
SCALE:	N/A	FILE NO.		
DRAWN BY:	MRG	SHEET	<b>9</b>	
CHECKED BY:	SRM		83	

**STORM SEWER STRUCTURE SCHEDULE**

4) STA: 196+50 25' RT 5' DIA. TYPE 'A' MANHOLE, TYPE 1 FRAME, OPEN LID T/RIM = 615.82 42" E FL IN = 608.85 42" W FL OUT = 608.85 4-14: 99 LF 42" RCP @ 0.11%	21) STA: 11+05 15' LT 2' DIA. TYPE 'A' INLET, TYPE 3 FRAME AND GRATE EOP = 618.33 12" E FL IN = 615.03 12" W FL OUT = 615.03 21-19: 30 LF 12" RCP @ 1.0%	42) STA: 301+62 24' LT 4' DIA. TYPE 'A' MANHOLE, TYPE 1 FRAME, CLOSED LID T/RIM = 618.05 15" N FL IN = 615.31 12" W FL IN = 614.06 18" S FL OUT = 613.99 42-44: 41 LF 12" RCP @ 1.0% 42-43: 35 LF 15" RCP @ 3.0%	66) STA: 28+20 15' LT 2' DIA. TYPE 'A' INLET, TYPE 3 FRAME AND GRATE EOP = 618.60 12" E FL IN = 615.28 12" W FL OUT = 615.28 66-67: 30 LF 12" RCP @ 1.0%	84) STA: 19+94 25' LT 5' DIA. TYPE 'A' MANHOLE, TYPE 1 FRAME, CLOSED LID T/RIM = 624.15 30" N FL IN = 611.88 12" E FL IN = 620.47 30" S FL OUT = 611.88 84-85: 10 LF 12" RCP @ 1.0% 84-84A: 106 LF 30" RCP @ 0.13%
5) STA: 206+35 25' RT 5' DIA. TYPE 'A' MANHOLE, SPECIAL FRAME AND GRATE T/RIM = 616.35 18" NE FL IN = 613.14 24" NW FL OUT = 612.60 5-6: 10 LF 18" RCP @ 0.26%	22) STA: 12+00 25' LT 5' DIA. TYPE 'A' MANHOLE, TYPE 1 FRAME, CLOSED LID T/RIM = 619.29 36" N FL IN = 610.16 12" E FL IN = 615.25 36" S FL OUT = 610.07 22-25: 10 LF 12" RCP @ 1.0% 22-90: 150 LF 36" RCP @ 0.1%	43) STA: 301+93 21' RT 15" FES INV. = 616.36	67) STA: 28+20 15' RT 3' DIA. TYPE 'B' INLET, TYPE 3 FRAME AND GRATE EOP = 618.60 12" S FL IN = 615.56 12" W FL OUT = 615.56 67-86: 10 LF 12" RCP @ 1.0%	84A) STA: 21+00 25' LT 5' DIA. TYPE 'A' MANHOLE, TYPE 1 FRAME, OPEN LID T/RIM = 622.70 30" N FL IN = 612.02 30" S FL OUT = 612.02 84A-80: 90 LF 30" RCP @ 0.13%
6) STA: 206+35 15' RT 3' DIA. TYPE 'B' INLET, TYPE 3 FRAME AND GRATE EOP = 616.97 18" NE FL IN = 613.18 18" SW FL OUT = 613.17 6-7: 30 LF 18" RCP @ 0.26%	23) STA: 12+00 15' RT 3' DIA. TYPE 'B' INLET, TYPE 3 FRAME AND GRATE EOP = 618.71 12" N FL IN = 615.65 12" W FL OUT = 615.65 23-24: 10 LF 12" RCP @ 1.0%	44) STA: 301+50 16' LT 2' DIA. TYPE 'A' INLET, TYPE B GRATE T/RIM = 617.47 12" E FL OUT = 614.47	68) STA: 26+65 25' LT 5' DIA. TYPE 'A' MANHOLE, TYPE 1 FRAME, CLOSED LID T/RIM = 620.19 24" N FL IN = 612.75 12" E FL IN = 616.20 30" S FL OUT = 612.75 68-69: 10 LF 12" RCP @ 1.0% 68-65: 155 LF 24" RCP @ 0.17%	85) STA: 19+94 15' LT 2' DIA. TYPE 'A' INLET, TYPE 3 FRAME AND GRATE EOP = 623.57 12" W FL OUT = 620.57
7) STA: 206+35 15' LT 4' DIA. TYPE 'A' MANHOLE, TYPE 3 FRAME AND GRATE EOP = 616.97 15" NW FL IN = 613.48 19" SW FL OUT = 613.26 7-8: 10 LF 15" RCP @ 0.48%	24) STA: 12+10 15' RT 2' DIA. TYPE 'A' INLET, TYPE 3 FRAME AND GRATE EOP = 618.75 12" S FL OUT = 615.75	49) STA: 28+85 54' LT 2' DIA. TYPE 'A' INLET, TYPE 3 FRAME AND GRATE EOP = 618.02 12" SE FL OUT = 616.02	69) STA: 26+65 15' LT 2' DIA. TYPE 'A' INLET, TYPE 3 FRAME AND GRATE EOP = 619.61 12" E FL IN = 616.30 12" W FL OUT = 616.30 69-70: 30 LF 12" RCP @ 1.0%	86) STA: 28+10 15' RT 2' DIA. TYPE 'A' INLET, TYPE 3 FRAME AND GRATE EOP = 618.66 12" N FL OUT = 615.66
8) STA: 206+25 15' LT 3' DIA. TYPE 'B' INLET, TYPE 3 FRAME AND GRATE EOP = 616.97 15" NW FL IN = 615.55 19" SE FL OUT = 613.53 8-95: 34 LF 15" RCP @ 0.4%	25) STA: 12+00 15' LT 2' DIA. TYPE 'A' INLET, TYPE 3 FRAME AND GRATE EOP = 618.71 12" E FL IN = 615.35 12" W FL OUT = 615.35 25-23: 30 LF 12" RCP @ 1.0%	50) STA: 28+85 54' LT 2' DIA. TYPE 'A' INLET, TYPE 3 FRAME AND GRATE EOP = 618.02 12" SE FL OUT = 616.02	70) STA: 26+65 15' RT 3' DIA. TYPE 'B' INLET, TYPE 3 FRAME AND GRATE EOP = 619.61 12" S FL IN = 616.30 12" W FL OUT = 616.60 70-71: 10 LF 12" RCP @ 1.0%	87) STA: 16+10 25' LT 5' DIA. TYPE 'A' MANHOLE, TYPE 1 FRAME, CLOSED LID T/RIM = 621.20 30" N FL IN = 611.38 12" E FL IN = 617.22 30" S FL OUT = 611.38 87-89: 10 LF 12" RCP @ 1.0% 87-38: 110 LF 30" RCP @ 0.13%
9) STA: 203+00 25' RT 5' DIA. TYPE 'A' MANHOLE, TYPE 1 FRAME, OPEN LID T/RIM = 616.78 24" SE FL IN = 612.03 24" NE FL IN = 612.03 30" NW FL OUT = 612.03 9-41: 40 LF 24" RCP @ 0.17% 9-5: 335 LF 24" RCP @ 0.17%	30) STA: 14+85 25' LT 5' DIA. TYPE 'A' MANHOLE, TYPE 1 FRAME, CLOSED LID T/RIM = 620.41 30" N FL IN = 611.18 12" E FL IN = 616.43 36" S FL OUT = 611.00 30-39: 10 LF 12" RCP @ 1.0% 30-87: 125 LF 30" RCP @ 0.16%	51) STA: 29+75 25' LT 4' DIA. TYPE 'A' MANHOLE, TYPE 1 FRAME, OPEN LID T/RIM = 618.36 18" N FL IN = 614.69 15" E FL IN = 614.49 24" S FL OUT = 613.28 53-54: 10 LF 15" RCP @ 0.5% 53-59: 125 LF 18" RCP @ 0.26%	71) STA: 26+55 15' RT 2' DIA. TYPE 'A' INLET, TYPE 3 FRAME AND GRATE EOP = 619.70 12" N FL OUT = 616.70	88) STA: 16+10 15' RT 3' DIA. TYPE 'B' INLET, TYPE 3 FRAME AND GRATE EOP = 620.62 12" NE FL IN = 618.09 12" W FL OUT = 617.62 88-34: 38 LF 12" RCP @ 1.0%
10) STA: 201+55 25' RT 5' DIA. TYPE 'A' MANHOLE, SPECIAL FRAME AND GRATE T/RIM = 616.17 30" SE FL IN = 611.84 15" NE FL IN = 612.73 30" NW FL OUT = 611.84 10-11: 10 LF 15" RCP @ 0.5% 10-9: 145 LF 30" RCP @ 0.13%	31) STA: 14+85 15' RT 2' DIA. TYPE 'A' INLET, TYPE 3 FRAME AND GRATE EOP = 619.83 12" W FL OUT = 616.83	52) STA: 28+67 25' LT 6' DIA. TYPE 'A' MANHOLE, TYPE 1 FRAME, CLOSED LID T/RIM = 618.72 24" N FL IN = 613.10 12" NW FL IN = 615.68 24" S FL OUT = 613.10 52-51: 34 LF 12" RCP @ 1.0% 52-53: 108 LF 24" RCP @ 0.17%	72) STA: 26+55 15' RT 2' DIA. TYPE 'A' INLET, TYPE 3 FRAME AND GRATE EOP = 619.70 12" N FL OUT = 616.70	89) STA: 16+10 15' RT 2' DIA. TYPE 'A' INLET, TYPE 3 FRAME AND GRATE EOP = 620.62 12" E FL IN = 617.32 12" W FL OUT = 617.32 89-88: 30 LF 12" RCP @ 1.0%
11) STA: 201+55 15' RT 3' DIA. TYPE 'B' INLET, TYPE 3 FRAME AND GRATE EOP = 616.79 15" NE FL IN = 613.58 15" SW FL OUT = 612.78 11-12: 30 LF 15" RCP @ 0.5%	33) STA: 14+85 15' LT 2' DIA. TYPE 'A' INLET, TYPE 3 FRAME AND GRATE EOP = 619.83 12" E FL IN = 616.53 12" W FL OUT = 616.53 33-31: 30 LF 12" RCP @ 1.0%	53) STA: 29+75 25' LT 3' DIA. TYPE 'B' INLET, TYPE 3 FRAME AND GRATE EOP = 617.78 15" E FL IN = 614.54 12" N FL IN = 614.69 15" W FL OUT = 614.54 54-55: 10 LF 12" RCP @ 1.0% 54-56: 30 LF 15" RCP @ 0.5%	73) STA: 24+70 15' LT 2' DIA. TYPE 'A' INLET, TYPE 3 FRAME AND GRATE EOP = 621.69 12" E FL IN = 618.33 12" W FL OUT = 618.33 73-74: 30 LF 12" RCP @ 1.0%	90) STA: 13+50 25' LT 5' DIA. TYPE 'A' MANHOLE, TYPE 1 FRAME, CLOSED LID T/RIM = 619.89 36" N FL IN = 610.87 12" E FL IN = 615.85 36" S FL OUT = 610.31 90-93: 10 LF 12" RCP @ 1.0% 90-30: 135 LF 36" RCP @ 0.1%
12) STA: 201+55 15' LT 3' DIA. TYPE 'B' INLET, TYPE 3 FRAME AND GRATE EOP = 616.79 12" NE FL IN = 614.29 12" NW FL IN = 613.71 15" SW FL OUT = 613.71 12-13: 10 LF 12" RCP @ 1.0% 12-94: 25 LF 12" RCP @ 1.0%	34) STA: 16+40 35' RT 4' DIA. TYPE 'A' MANHOLE, TYPE 1 FRAME, CLOSED LID T/RIM = 622.09 12" E FL IN = 619.67 12" SW FL OUT = 618.45 34-35: 50 LF 12" RCP @ 4.0%	54) STA: 29+75 15' LT 3' DIA. TYPE 'B' INLET, TYPE 3 FRAME AND GRATE EOP = 617.78 12" E FL IN = 614.76 12" N FL IN = 614.69 15" W FL OUT = 614.69 56-57: 10 LF 12" RCP @ 1.0% 56-58: 5 LF 12" RCP @ 1.0%	74) STA: 24+70 15' RT 3' DIA. TYPE 'B' INLET, TYPE 3 FRAME AND GRATE EOP = 621.69 12" S FL IN = 618.63 12" W FL OUT = 618.63 74-75: 10 LF 12" RCP @ 1.0%	91) STA: 13+50 15' RT 3' DIA. TYPE 'B' INLET, TYPE 3 FRAME AND GRATE EOP = 619.31 12" N FL IN = 616.25 12" W FL OUT = 616.25 91-92: 10 LF 12" RCP @ 1.0%
13) STA: 201+45 15' LT 2' DIA. TYPE 'A' INLET, TYPE 3 FRAME AND GRATE EOP = 616.81 12" SE FL OUT = 613.81	35) STA: 16+43 85' RT 12" FES INV. = 621.67	55) STA: 29+85 15' LT 2' DIA. TYPE 'A' INLET, TYPE 3 FRAME AND GRATE EOP = 617.79 12" S FL OUT = 614.79	75) STA: 24+60 15' RT 2' DIA. TYPE 'A' INLET, TYPE 3 FRAME AND GRATE EOP = 621.73 12" N FL OUT = 618.73	92) STA: 13+60 15' RT 2' DIA. TYPE 'A' INLET, TYPE 3 FRAME AND GRATE EOP = 619.35 12" S FL OUT = 616.35
14) STA: 199+50 25' RT 7' DIA. TYPE 'A' MANHOLE, SPECIAL FRAME, CLOSED LID T/RIM = 618.29 36" N FL IN = 608.96 30" SE FL IN = 611.50 42" W FL OUT = 608.86 14-15: 74 LF 36" RCP @ 0.10% 14-10: 198 LF 30" RCP @ 0.17%	36) STA: 16+40 35' RT 4' DIA. TYPE 'A' MANHOLE, TYPE 1 FRAME, CLOSED LID T/RIM = 622.09 12" E FL IN = 619.67 12" SW FL OUT = 618.45 36-37: 24 LF 15" RCP @ 4.5%	56) STA: 29+75 15' RT 3' DIA. TYPE 'B' INLET, TYPE 3 FRAME AND GRATE EOP = 617.78 12" E FL IN = 614.76 12" N FL IN = 614.69 15" W FL OUT = 614.69 56-57: 10 LF 12" RCP @ 1.0% 56-58: 5 LF 12" RCP @ 1.0%	76) STA: 24+70 15' RT 3' DIA. TYPE 'B' INLET, TYPE 3 FRAME AND GRATE EOP = 621.69 12" S FL IN = 618.63 12" W FL OUT = 618.63 76-77: 10 LF 12" RCP @ 1.0% 76-72: 155 LF 30" RCP @ 0.13%	93) STA: 13+60 15' LT 2' DIA. TYPE 'A' INLET, TYPE 3 FRAME AND GRATE EOP = 619.31 12" E FL IN = 615.95 12" W FL OUT = 615.95 93-91: 30 LF 12" RCP @ 1.0%
15) STA: 9+90 25' LT 5' DIA. TYPE 'A' MANHOLE, TYPE 1 FRAME, CLOSED LID T/RIM = 619.53 36" N FL IN = 609.86 12" E FL IN = 613.72 36" S FL OUT = 609.03 15-17: 8 LF 12" RCP @ 1.0% 15-18: 115 LF 36" RCP @ 0.1%	37) STA: 16+40 35' RT 4' DIA. TYPE 'A' MANHOLE, TYPE 1 FRAME, CLOSED LID T/RIM = 622.09 12" E FL IN = 619.67 12" SW FL OUT = 618.45 37-38: 24 LF 15" RCP @ 4.5%	57) STA: 29+85 15' RT 2' DIA. TYPE 'A' INLET, TYPE 3 FRAME AND GRATE EOP = 617.79 12" S FL OUT = 614.79	77) STA: 24+60 15' RT 2' DIA. TYPE 'A' INLET, TYPE 3 FRAME AND GRATE EOP = 621.73 12" N FL OUT = 618.73	94) STA: 201+55 40' LT 2' DIA. TYPE 'A' INLET, TYPE B GRATE T/RIM = 616.87 12" SW FL OUT = 614.54
16) STA: 9+65 20' RT 2' DIA. TYPE 'A' INLET, TYPE B GRATE T/RIM = 617.25 12" W FL OUT = 614.25	38) STA: 17+20 25' LT 5' DIA. TYPE 'A' MANHOLE, TYPE 1 FRAME, OPEN LID T/RIM = 622.70 30" N FL IN = 611.52 18" E FL IN = 617.33 30" S FL OUT = 611.52 38-40: 10 LF 18" RCP @ 1.0% 38-38A: 65 LF 30" RCP @ 0.13%	58) STA: 29+75 20' RT 2' DIA. TYPE 'A' INLET, TYPE B GRATE T/RIM = 617.00 12" W FL OUT = 614.83	78) STA: 23+15 15' RT 3' DIA. TYPE 'B' INLET, TYPE 3 FRAME AND GRATE EOP = 622.31 12" S FL IN = 619.25 12" W FL OUT = 619.25 78-79: 10 LF 12" RCP @ 1.0%	95) STA: 205+91 22' LT 4' DIA. TYPE 'A' MANHOLE, TYPE 1 FRAME, CLOSED LID T/RIM = 617.49 10" NW FL IN = 614.72 12" N FL IN = 614.57 15" SE FL OUT = 613.67 95-96: 21 LF 12" RCP @ 1.0%
17) STA: 9+90 19' LT 3' DIA. TYPE 'B' INLET, TYPE 3 FRAME AND GRATE EOP = 617.95 12" SE FL IN = 613.79 12" W FL OUT = 613.79 17-16: 42 LF 12" RCP @ 1.0%	38A) STA: 17+85 25' LT 5' DIA. TYPE 'A' MANHOLE, TYPE 1 FRAME, OPEN LID T/RIM = 622.35 30" N FL IN = 611.61 30" S FL OUT = 611.61 38A-38B: 90 LF 30" RCP @ 0.13%	59) STA: 31+00 25' LT 4' DIA. TYPE 'A' MANHOLE, TYPE 1 FRAME, CLOSED LID T/RIM = 618.99 15" N FL IN = 615.69 12" E FL IN = 615.01 18" S FL OUT = 615.01 59-60: 10 LF 12" RCP @ 1.0% 59-62: 200 LF 15" RCP @ 0.32%	79) STA: 23+15 15' RT 2' DIA. TYPE 'A' INLET, TYPE 3 FRAME AND GRATE EOP = 622.35 12" N FL OUT = 619.35	96) STA: 205+70 22' LT 2' DIA. TYPE 'A' INLET, TYPE B GRATE T/RIM = 617.10 12" SE FL OUT = 614.93
18) STA: 11+05 25' LT 5' DIA. TYPE 'A' MANHOLE, TYPE 1 FRAME, CLOSED LID T/RIM = 618.91 36" N FL IN = 609.98 12" E FL IN = 614.93 36" S FL OUT = 609.98 18-21: 10 LF 12" RCP @ 1.0% 18-22: 95 LF 36" RCP @ 0.1%	39) STA: 17+20 15' RT 3' DIA. TYPE 'B' INLET, TYPE 3 FRAME AND GRATE EOP = 621.58 15" SE FL IN = 618.11 18" W FL OUT = 617.58 39-36: 36 LF 15" RCP @ 0.8%	60) STA: 31+00 15' LT 2' DIA. TYPE 'A' INLET, TYPE 3 FRAME AND GRATE EOP = 618.41 12" W FL OUT = 615.41	80) STA: 21+90 25' LT 5' DIA. TYPE 'A' MANHOLE, TYPE 1 FRAME, CLOSED LID T/RIM = 623.39 30" N FL IN = 612.14 12" E FL IN = 619.35 30" S FL OUT = 612.14 80-81: 10 LF 12" RCP @ 1.0% 80-76: 125 LF 30" RCP @ 0.13%	97) STA: 196+40 25' RT PRECAST 'T' MANHOLE FOR 48" DIAMETER STORM SEWER, TYPE 1 FRAME, OPEN LID T/RIM = 613.78 48" E FL IN = 607.78 48" W FL OUT = 607.78 142-146: 108 LF 48" RCP @ 0.07%
19) STA: 11+05 15' RT 2' DIA. TYPE 'A' INLET, TYPE 3 FRAME AND GRATE EOP = 618.33 12" W FL OUT = 615.33	40) STA: 17+20 15' LT 3' DIA. TYPE 'B' INLET, TYPE 3 FRAME AND GRATE EOP = 621.58 18" E FL IN = 617.43 18" W FL OUT = 617.43 40-39: 30 LF 18" RCP @ 0.5%	61) STA: 31+00 15' RT 2' DIA. TYPE 'A' INLET, TYPE 3 FRAME AND GRATE EOP = 618.41 12" W FL OUT = 615.41	81) STA: 21+90 15' LT 2' DIA. TYPE 'A' INLET, TYPE 3 FRAME AND GRATE EOP = 622.81 12" E FL IN = 619.45 12" W FL OUT = 619.45 81-82: 30 LF 12" RCP @ 1.0%	142) STA: 197+50 25' RT 6' DIA. TYPE 'A' MANHOLE, SPECIAL FRAME, OPEN LID T/RIM = 614.62 42" E FL IN = 608.74 46" W FL OUT = 607.86 146-4: 96 LF 42" RCP @ 0.11%
	41) STA: 203+00 15' LT 3' DIA. TYPE 'B' INLET, TYPE 3 FRAME AND GRATE EOP = 617.40 18" N FL IN = 613.69 24" SW FL OUT = 612.60 41-42: 59 LF 18" RCP @ 0.5%	62) STA: 33+00 25' LT 4' DIA. TYPE 'A' MANHOLE, TYPE 1 FRAME, CLOSED LID T/RIM = 619.60 12" E FL IN = 616.33 15" S FL OUT = 616.33 62-63: 10 LF 12" RCP @ 1.0%	82) STA: 21+90 15' RT 3' DIA. TYPE 'B' INLET, TYPE 3 FRAME AND GRATE EOP = 622.81 12" S FL IN = 619.75 12" W FL OUT = 619.75 82-83: 10 LF 12" RCP @ 1.0%	
		63) STA: 33+00 15' LT 2' DIA. TYPE 'A' INLET, TYPE 3 FRAME AND GRATE EOP = 619.73 12" E FL IN = 616.43 12" W FL OUT = 616.43 63-64: 30 LF 12" RCP @ 1.0%	83) STA: 21+80 15' RT 2' DIA. TYPE 'A' INLET, TYPE 3 FRAME AND GRATE EOP = 622.85 12" N FL OUT = 619.85	

DATE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7/10/06 <td>N/A <td>KANKAKEE <td>83</td> <td>10</td> </td></td>	N/A <td>KANKAKEE <td>83</td> <td>10</td> </td>	KANKAKEE <td>83</td> <td>10</td>	83	10

CONTRACT NO. 87314  
 FED. ROAD DIST. NO. ILLINOIS  
 FED. AID PROJECT  
 \* LOWE RD. FAU 6209/WALDRON RD. FAU 6184  
 \*\* 02-00284-00-WR & 01-00017-00-FP

**TYSON ENGINEERING, INC.**  
 CONSULTING CIVIL ENGINEERS  
 LAND SURVEYORS  
 DESIGN FIRM LICENSE #184-001136  
 367 SOUTH SCHUYLER AVENUE  
 KANKAKEE, ILLINOIS 60901  
 PHONE (815) 932-7406

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REVISIONS			
NO.	DATE	BY	DESCRIPTION
3	10/24/06	MRG	PER IDOT REVIEW
4	12/29/06	MRG	PER COUNTY REV

STORM SEWER  
 STRUCTURE SCHEDULE

PROPOSED IMPROVEMENTS FOR  
**LOWE ROAD**  
 FROM IL-17 TO WALDRON ROAD  
**WALDRON ROAD**  
 FROM CORP. LIMITS TO DIVISION STREET

SECTION  
 02-00284-00-WR &  
 01-00017-00-FP


DATE:	7/10/06	JOB NO.	E01015
SCALE:	N/A	FILE NO.	
DRAWN BY:	MRG	SHEET	10
CHECKED BY:	SRM		83

P:\2001\EDWARDS\EDWARDS-TYP-SEC & SCHEDULES.dwg 1/17/2007 10:00:28 AM CST

PA:\2001\ED015.dwg\ED015-11P SEC & SCHEDULES.dwg 1/17/2007 10:00:02 AM CST

LOCATION	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION (SQ YD)	SUB-BASE GRANULAR MATERIAL TYPE B 12" (SQ YD)	AGGREGATE BASE COURSE TYPE B (SQ YD)			AGGREGATE SURFACE COURSE TYPE A 6" (SQ YD)	BITUMINOUS MATERIALS (PRIME COAT) (GAL)	AGGREGATE (PRIME COAT) (TON)	AGGREGATE SHOULDERS TYPE A 6" (SQ YD)	HOT MIX ASPHALT SHOULDERS 8" (SQ YD)	HOT-MIX ASPHALT BASE COURSE 6" (SQ YD)	HOT-MIX ASPHALT BASE COURSE WIDENING 6" (SQ YD)	HOT-MIX ASPHALT SURFACE COURSE MIX "D", N50 (TON)	HOT-MIX ASPHALT BINDER COURSE IL-19.0, N50 (TON)	LEVELING BINDER (MACHINE METHOD) N50 (TON)	INCIDENTAL HOT-MIX ASPHALT SURFACING (TON)
			4"	6"	10"											
			SUBTOTAL													
<b>SECTION 01-00017-00-FP</b>																
STA 9+50 TO 36+50	9600	9600								7800		721	1201			
STA 10+09 TO 10+57 RT					61											
STA 14+30 LT	219	219			58					187		22	37			
STA 16+85 RT	325	325			58					273		30	50			
STA 20+45 LT	219	219			53					187		21	36			
STA 29+00 LT	219	219			127					187		27	46			
STA 29+26 LT					35							3	5			
STA 31+80 TO 34+27 RT								412								
STA 197+00 TO 199+25	506	506								506		47	76			
STA 197+88 LT					39											
STA 199+25 TO 208+00	3111	3111								2528		234	389			
STA 301+13 TO 301+40	137	137								101		9	16			
STA 301+40 TO 302+30					260			190				20	36			
STA 301+63 RT					27							2	4			
<b>SUBTOTAL</b>	<b>14336</b>	<b>14336</b>	<b>0</b>	<b>0</b>	<b>616</b>	<b>702</b>	<b>0</b>	<b>233</b>	<b>0</b>	<b>11769</b>	<b>0</b>	<b>1136</b>	<b>1898</b>	<b>0</b>	<b>0</b>	
<b>SECTION 02-00284-00-WR</b>																
STA 36+66 TO 38+00	447	447							89	89	357	33	55			
STA 38+00 TO 54+00			1067	1778		213	4.3	1067	1067		711	394	1051	394		
STA 44+34 RT						37										
STA 47+43 RT						94										
STA 50+64 RT						91										
STA 53+95 LT						42										
STA 54+00 RT				56		9	0.2				56				32	
STA 54+00 TO 76+00				2444		293	5.9	1467	1467		978	542	813	542		
STA 57+33 LT						64										
STA 58+27 LT															8	
STA 70+46 RT						83										
STA 71+77 LT						108										
STA 74+87 RT						53										
STA 76+00 TO 76+50				72		7	0.1	17	50		22	12	16	12		
STA 76+16 LT															8	
STA 76+50 TO 77+10				160		12	0.2		120		40	22	33	22		
STA 77+10 RT						29										
STA 77+34 LT						25										
STA 77+40 TO 77+85				65		6	0.1	15	45		20	11	17	11		
STA 77+85 TO 85+00				794		95	1.9	477	477		318	176	264	176		
STA 80+48 LT				42		9	0.2				42				32	
STA 85+00 TO 87+10				303		28	0.6	70	210		93	52	78	52		
STA 85+43 RT						20										
STA 86+85 RT						46										
STA 87+10 TO 106+50				2156		259	5.2	1293	1293		862	478	717	478		
STA 92+30 LT						156										
STA 93+81 RT						64										
STA 94+06 RT															8	
STA 108+50 TO 109+53	1010	1010						202	202	808		75	124			
STA 109+90 RT						108										
STA 108+50 LT						210										
STA 110+74 TO 113+00	753	753						151	151	603		56	93			
STA 112+08 LT						210										
STA 113+00 TO 134+50				2389		287	5.7	1433	1433		956	530	795	530		
STA 124+64 LT						98										
STA 134+36 LT						112										
STA 134+50 TO 138+00	1167	1167						233	233	933		86	144			
STA 137+64 RT						103										
STA 138+00 TO 142+15				461		55	1.1	277	277		184	102	153	102		
STA 140+13 RT						103										
STA 142+15 TO STA 151+50				1143		125	2.5	312	727		416	230	346	230		
STA 149+25 LT						110										
STA 151+50 TO 151+70						3	0.1	7	9		4	5	4			
<b>SUBTOTAL</b>	<b>3377</b>	<b>3377</b>	<b>1067</b>	<b>11863</b>	<b>0</b>	<b>1966</b>	<b>1401</b>	<b>28.1</b>	<b>7110</b>	<b>7850</b>	<b>2701</b>	<b>4702</b>	<b>2804</b>	<b>4705</b>	<b>2549</b>	
<b>TOTAL</b>	<b>17713</b>	<b>17713</b>	<b>1067</b>	<b>11863</b>	<b>616</b>	<b>2668</b>	<b>1401</b>	<b>28.1</b>	<b>7343</b>	<b>7850</b>	<b>14470</b>	<b>4702</b>	<b>3940</b>	<b>6603</b>	<b>2549</b>	

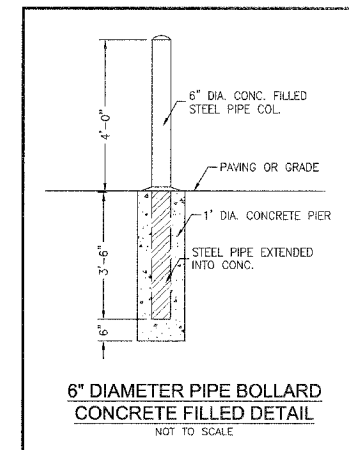
LOCATION	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT (SQ YD)		CONCRETE GUTTER TYPE A (FOOT)	COMBINATION CONCRETE CURB & GUTTER (FOOT)	
	6"	8"		TYPE B-6.24	TYPE M-6.24
	SUBTOTAL				
<b>SECTION 01-00017-00-FP</b>					
STA 9+50 TO 36+50					5385 35
STA 9+95 RT		71			
STA 10+09 TO 10+57 RT		27			
STA 10+46 LT		61			
STA 10+72 RT		71			
STA 11+31 LT		61			
STA 11+75 RT	78				
STA 12+78 LT	52				
STA 13+07 RT	31				
STA 14+20 RT	58				
STA 14+42 RT	70				
STA 15+37 RT	53				
STA 15+43 LT	43				
STA 16+44 RT	73				
STA 16+50 LT	45				
STA 16+65 RT					60
STA 16+83 LT	57				
STA 17+82 LT	49				
STA 18+10 RT	70				
STA 18+50 LT	55				
STA 18+98 RT	76				
STA 19+47 LT	49				
STA 19+93 RT	42				
STA 21+11 RT		142			
STA 22+43 LT	40				
STA 23+37 LT	56				
STA 24+21 LT	63				
STA 24+89 LT	40				
STA 25+76 LT	40				
STA 26+09 LT	32				
STA 26+50 LT	34				
STA 27+37 LT	59				
STA 28+35 LT	49				
STA 28+52 RT		94			
STA 29+30 LT	12				
STA 30+26 LT	49				
STA 30+29 RT		33			
STA 30+70 RT		66			
STA 31+50 LT	44				
STA 31+78 LT	36				
STA 32+15 RT		88			
STA 32+33 LT	40				
STA 32+72 LT	42				
STA 32+78 RT		58			
STA 33+60 RT		88			
STA 199+25 TO 208+00					1750
STA 200+82 LT		92			
STA 204+33 LT	51				
STA 205+12 LT	54				
STA 206+02 LT	46				
STA 206+68 LT	43				
<b>SUBTOTAL</b>	<b>1731</b>	<b>952</b>	<b>0</b>	<b>7175</b>	<b>35</b>
<b>SECTION 02-00284-00-WR</b>					
STA 76+00 TO 76+50			50		
STA 76+50 TO 77+40			180		
STA 77+40 TO 77+85			45		
STA 85+00 TO 87+10			210		
STA 142+15 TO STA 151+50			935		
STA 151+50 TO 151+70			20		
<b>SUBTOTAL</b>	<b>0</b>	<b>0</b>	<b>1440</b>	<b>0</b>	<b>0</b>
<b>TOTAL</b>	<b>1731</b>	<b>952</b>	<b>1440</b>	<b>7175</b>	<b>35</b>


CONTRACT NO. 87314	TOTAL SHEETS 83	SHEET NO. 11	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			
* LOWE RD. FAU 6209/WALDRON RD. FAU 6184			
** 02-00284-00-WR & 01-00017-00-FP			
 <b>TYSON ENGINEERING, INC.</b> CONSULTING CIVIL ENGINEERS LAND SURVEYORS DESIGN FIRM LICENSE #184-001136 367 SOUTH SCHUYLER AVENUE KANKAKEE, ILLINOIS 60901 PHONE (815) 932-7406			
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<b>REVISIONS</b>			
NO.	DATE	BY	DESCRIPTION
3	10/24/06	MRG	PER IDOT REVIEW
4	12/29/06	MRG	PER COUNTY REV
SCHEDULE OF QUANTITIES			
<b>PROPOSED IMPROVEMENTS FOR</b> <b>LOWE ROAD</b> FROM IL-17 TO WALDRON ROAD <b>WALDRON ROAD</b> FROM CORP. LIMITS TO DIVISION STREET			
SECTION 02-00284-00-WR & 01-00017-00-FP			
DATE:	7/10/06	JOB NO.:	E01015
SCALE:	N/A	FILE NO.:	
DRAWN BY:	MRG	SHEET:	11
CHECKED BY:	SRM		83

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MISCELLANEOUS SCHEDULE							
LOCATION	MANHOLES TO BE ADJUSTED (EACH)	VALVE BOXES TO BE ADJUSTED (EACH)	REMOVING AND RESETTING STREET SIGNS (EACH)	RELOCATE EXISTING MAILBOX (EACH)	RELOCATE EXISTING SIGNS (EACH)	6" DIA PIPE BOLLARD CONCRETE FILLED (EACH)	
SECTION 01-00017-00-FP							
STA 9+52 - 30 RT			1				
STA 9+64 - 17 RT		1					
STA 9+71 - 24 LT					1		STOP
STA 9+79 - 39 LT			1				
STA 11+15 - 20 RT					1		SPEED LIMIT
STA 12+03 - 20 RT					1		SCHOOL ZONE
STA 13+55 - 19 RT					1		SCHOOL CROSSING
STA 13+62 - 16 LT					1		STOP AHEAD
STA 13+96 - 30 RT		1					
STA 13+99 - 32 LT			1				
STA 14+04 - 35 LT					1		STOP
STA 14+63 - 30 LT		1					
STA 14+88 - 16 RT					1		SPEED LIMIT
STA 14+90 - 16 LT					1		END SCHOOL ZONE
STA 15+26 - 16 LT				1			
STA 15+61 - 23 RT	1						
STA 16+14 - 14 RT					1		SCHOOL CROSSING
STA 16+28 - 19 RT		1					
STA 16+39 - 36 RT		1					
STA 16+46 - 36 RT			1				
STA 16+65 - 16 LT				1			
STA 16+78 - 28 RT		1					
STA 16+79 - 13 RT		1					
STA 16+81 - 19 RT		1					
STA 16+90 - 20 RT					1		STOP
STA 16+96 - 21 RT		1					
STA 17+10 - 16 LT				1			
STA 17+32 - 21 LT					1		SCHOOL CROSSING
STA 17+64 - 14 RT					1		SPEED LIMIT
STA 17+80 - 16 LT				1			
STA 18+25 - 16 RT				1			
STA 18+73 - 16 LT				1			
STA 18+74 - 16 RT				1			
STA 19+22 - 16 RT				1			
STA 19+27 - 22 LT					1		SCHOOL ZONE
STA 19+66 - 16 RT				1			
STA 20+26 - 32 LT			1				
STA 20+31 - 26 LT					1		STOP
STA 20+31 - 33 LT		1					
STA 20+35 - 17 RT		1					
STA 20+66 - 60 LT					1		SPEED LIMIT
STA 20+67 - 6 RT				1			
STA 20+68 - 46 LT					1		SLOW CHILDREN
STA 21+86 - 18 LT					1		SCHOOL CROSSING
STA 22+27 - 16 LT				1			
STA 24+03 - 16 LT				1			
STA 24+44 - 19 LT					1		SCHOOL ZONE
STA 24+74 - 16 LT				1			
STA 25+07 - 16 LT				2			
STA 25+22 - 16 LT				1			
STA 27+14 - 16 LT				1			
STA 27+63 - 18 LT					1		SPEED LIMIT
STA 28+23 - 16 LT				1			
STA 28+74 - 37 LT		1					
STA 28+76 - 35 LT		1					
STA 28+78 - 31 LT		1					
STA 28+81 - 30 LT					1		STOP
STA 29+15 - 48 LT					1		SLOW CHILDREN
STA 29+26 - 26 LT			1				
STA 30+47 - 16 LT				1			

MISCELLANEOUS SCHEDULE							
LOCATION	MANHOLES TO BE ADJUSTED (EACH)	VALVE BOXES TO BE ADJUSTED (EACH)	REMOVING AND RESETTING STREET SIGNS (EACH)	RELOCATE EXISTING MAILBOX (EACH)	RELOCATE EXISTING SIGNS (EACH)	6" DIA PIPE BOLLARD CONCRETE FILLED (EACH)	
STA 30+81 - 21 RT					1		RAILROAD CROSSING
STA 31+34 - 16 LT				1			
STA 32+18 - 16 LT					1		
STA 32+40 - 17 RT					1		SPEED LIMIT
STA 32+57 - 16 LT					1		
STA 33+80 - 41 RT						1	
STA 33+88 - 41 RT						1	
STA 33+90 - 21 RT	1						
STA 34+17 - 45 RT		1					
STA 198+98 20 RT					1		SCHOOL ZONE
STA 199+20 - 21 LT		1					
STA 200+23 - 36 LT		1					
STA 200+38 - 33 RT	1						
STA 200+76 - 20 RT					1		SPEED LIMIT
STA 201+57 - 25 TO 28 LT					1		TRUCK ROUTE
STA 202+16 - 18 RT					1		PEDESTRIAN CROSSING
STA 202+28 - 32 LT			1				
STA 202+30 - 34 LT					1		STOP
STA 202+77 - 50 LT					1		SLOW CHILDREN
STA 202+85 - 35 LT					1		DEAD END
STA 202+95 - 36 LT		1					
STA 203+37 - 22 LT					1		PEDESTRIAN CROSSING
STA 205+75 - 25 RT					1		SCHOOL ZONE
STA 207+48 - 20 RT					1		
STA 207+95 - 23 RT					1		SCHOOL CROSSING
<b>SUBTOTAL</b>	<b>3</b>	<b>18</b>	<b>7</b>	<b>22</b>	<b>34</b>	<b>2</b>	
SECTION 02-00284-00-WR							
STA 42+14 - 15 RT					1		SPEED LIMIT
STA 42+16 - 16 LT					1		SPEED LIMIT
STA 44+34 - 16 LT					1		RR CROSSING
STA 48+13 - 22 LT					1		SPEED ZONE AHEAD
STA 53+51 - 23 LT					1		CITY LIMITS
STA 54+12 - 21 LT					1		TEE INTERSECTION
STA 54+20 - 17 RT	1						
STA 54+22 - 27 RT					1		STOP
STA 54+26 - 21 LT			1				
STA 58+27 - 21 LT					2		
STA 62+50 - 13 RT	1						
STA 69+91 - 16 RT					1		TRUCK ENTERING
STA 71+50 - 15 RT	1						
STA 75+90 - 22 RT	1						
STA 76+12 TO 76+17 - 21 LT					4		
STA 79+45 - 20 LT					1		TRUCK ENTERING
STA 80+26 - 24 LT					1		STOP
STA 80+40 - 14 RT	1						
STA 80+48 - 22 RT					1		TEE INTERSECTION
STA 80+71 - 29 LT					1		
STA 85+23 - 21 RT					1		
STA 94+06 - 21 RT					1		
STA 127+43 - 17 LT					1		NO PASSING ZONE
STA 127+45 - 18 RT					1		DO NOT PASS
STA 135+83 - 16 RT					1		PASS WITH CARE
STA 138+42 - 16 LT					1		PASS WITH CARE
STA 145+36 - 20 RT					1		SIGNAL AHEAD
STA 147+07 - 20 RT					1		NO PASSING ZONE
STA 147+07 - 16 LT					1		DO NOT PASS
<b>SUBTOTAL</b>	<b>5</b>	<b>0</b>	<b>2</b>	<b>8</b>	<b>18</b>	<b>0</b>	
<b>TOTAL</b>	<b>8</b>	<b>18</b>	<b>9</b>	<b>30</b>	<b>52</b>	<b>2</b>	



FAU NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	83	12
CONTRACT NO. 87314				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
* LOWE RD, FAU 6209/WALDRON RD, FAU 6184				
** 02-00284-00-WR & 01-00017-00-FP				
 <b>TYSON ENGINEERING, INC.</b> CONSULTING CIVIL ENGINEERS LAND SURVEYORS DESIGN FIRM LICENSE #184-001136 367 SOUTH SCHUYLER AVENUE KANKAKEE, ILLINOIS 60901 PHONE (815) 932-7406				
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<b>REVISIONS</b>				
NO.	DATE	BY	DESCRIPTION	
3	10/24/06	MRG	PER IDOT REVIEW	
4	12/29/06	MRG	PER COUNTY REV	
SCHEDULE OF QUANTITIES				
<b>PROPOSED IMPROVEMENTS FOR</b> <b>LOWE ROAD</b> FROM IL-17 TO WALDRON ROAD <b>WALDRON ROAD</b> FROM CORP. LIMITS TO DIVISION STREET				
<b>SECTION</b> 02-00284-00-WR & 01-00017-00-FP				
DATE:	7/10/06	JOB NO.	E01015	
SCALE:	N/A	FILE NO.		
DRAWN BY:	MRG	SHEET	12	
CHECKED BY:	SRM		83	

FAU. DIST.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	83	13

CONTRACT NO. 87314  
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT  
 \* LOWE RD. FAU 6209/WALDRON RD. FAU 6184  
 \*\* 02-00284-00-WR & 01-00017-00-FP

**TYSON ENGINEERING, INC.**  
 CONSULTING CIVIL ENGINEERS  
 LAND SURVEYORS  
 DESIGN FIRM LICENSE #184-001136  
 367 SOUTH SCHUYLER AVENUE  
 KANKAKEE, ILLINOIS 60901  
 PHONE (815) 932-7406

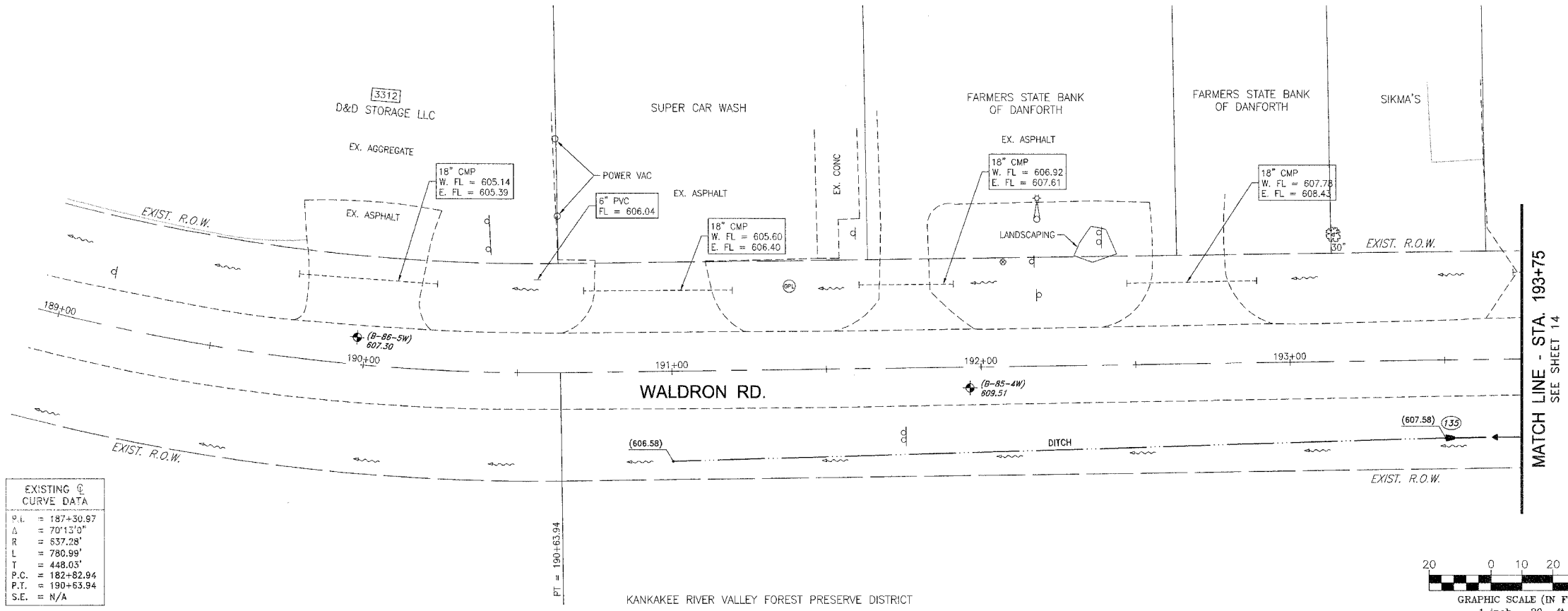
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REVISIONS			
NO.	DATE	BY	DESCRIPTION
3	10/24/08	MRG	PER IDOT REVIEW
4	12/29/08	MRG	PER COUNTY REV

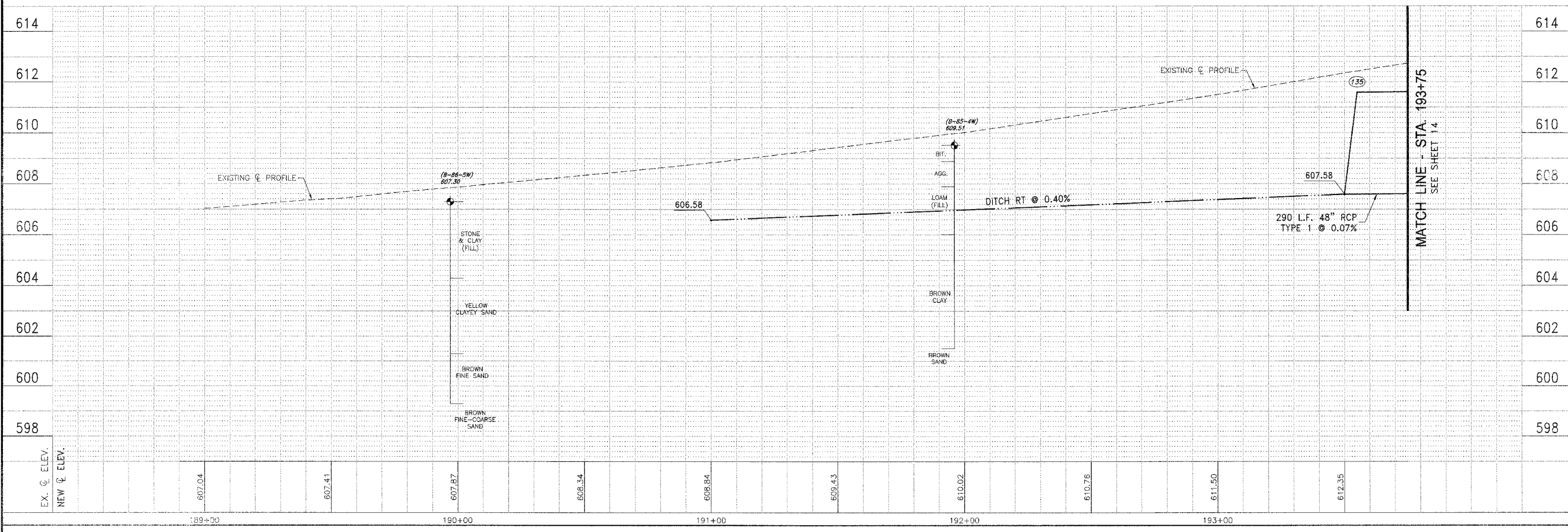
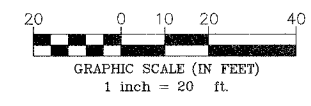
WALDRON ROAD  
 PLAN AND PROFILE  
 STA. 189+00 TO STA. 193+75

PROPOSED IMPROVEMENTS FOR  
**LOWE ROAD**  
 FROM IL-17 TO WALDRON ROAD  
**WALDRON ROAD**  
 FROM CORP. LIMITS TO DIVISION STREET

SECTION 02-00284-00-WR & 01-00017-00-FP	
DATE: 07/10/06	JOB NO. E01015
SCALE: HORZ.: 1"=20' VERT.: 1"=2'	FILE NO.
DRAWN BY: MRG	SHEET
CHECKED BY: SRM	<b>13</b>
	83



EXISTING @ CURVE DATA	
P.L.	= 187+30.97
Δ	= 70°13'0"
R	= 537.28'
L	= 790.99'
T	= 448.03'
P.C.	= 182+82.94
P.T.	= 190+63.94
S.E.	= N/A

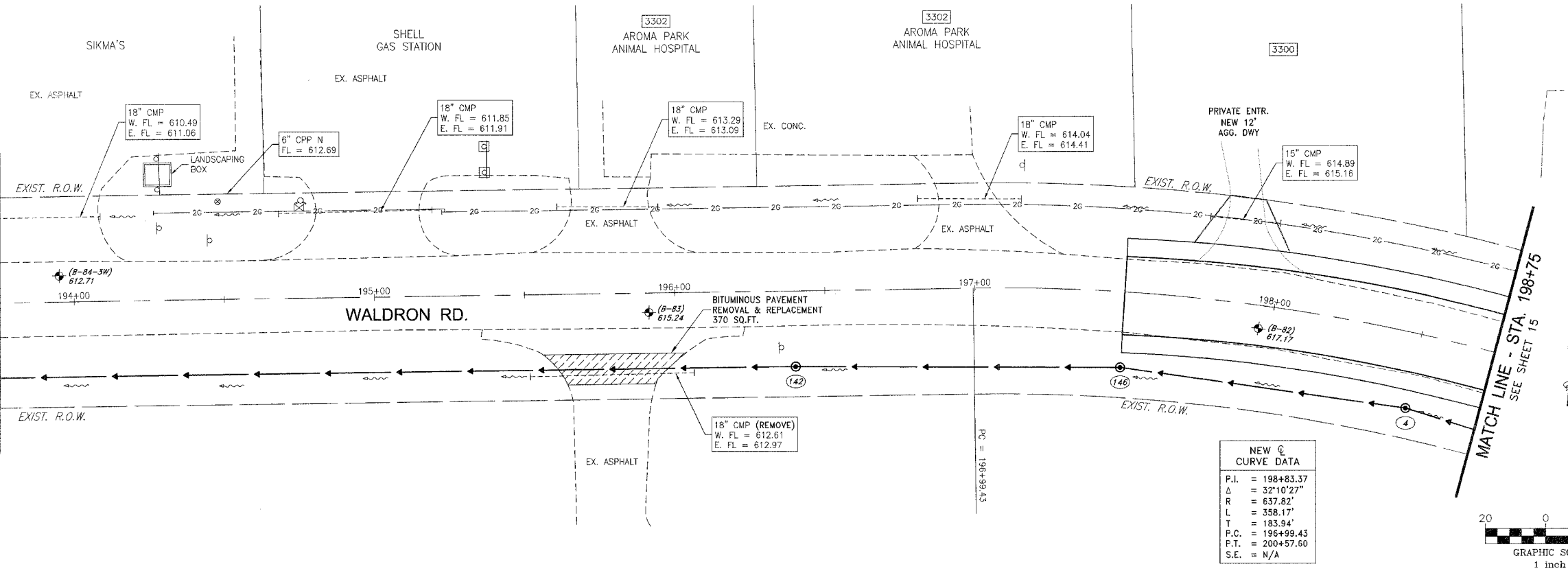


P:\2001\01015\01015.dwg 1/17/2007 10:02:44 AM CST

SEE SHEET 13  
MATCH LINE - STA. 193+75

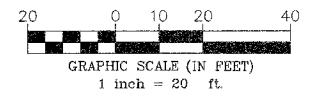
SEE SHEET 13  
MATCH LINE - STA. 193+75

MATCH LINE - STA. 198+75  
SEE SHEET 15



**NEW C CURVE DATA**

P.I.	= 198+83.37
Δ	= 32°10'27"
R	= 637.82'
L	= 358.17'
T	= 183.94'
P.C.	= 196+99.43
P.T.	= 200+57.60
S.E.	= N/A



FAU SITE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	KANKAKEE	B3	83	14

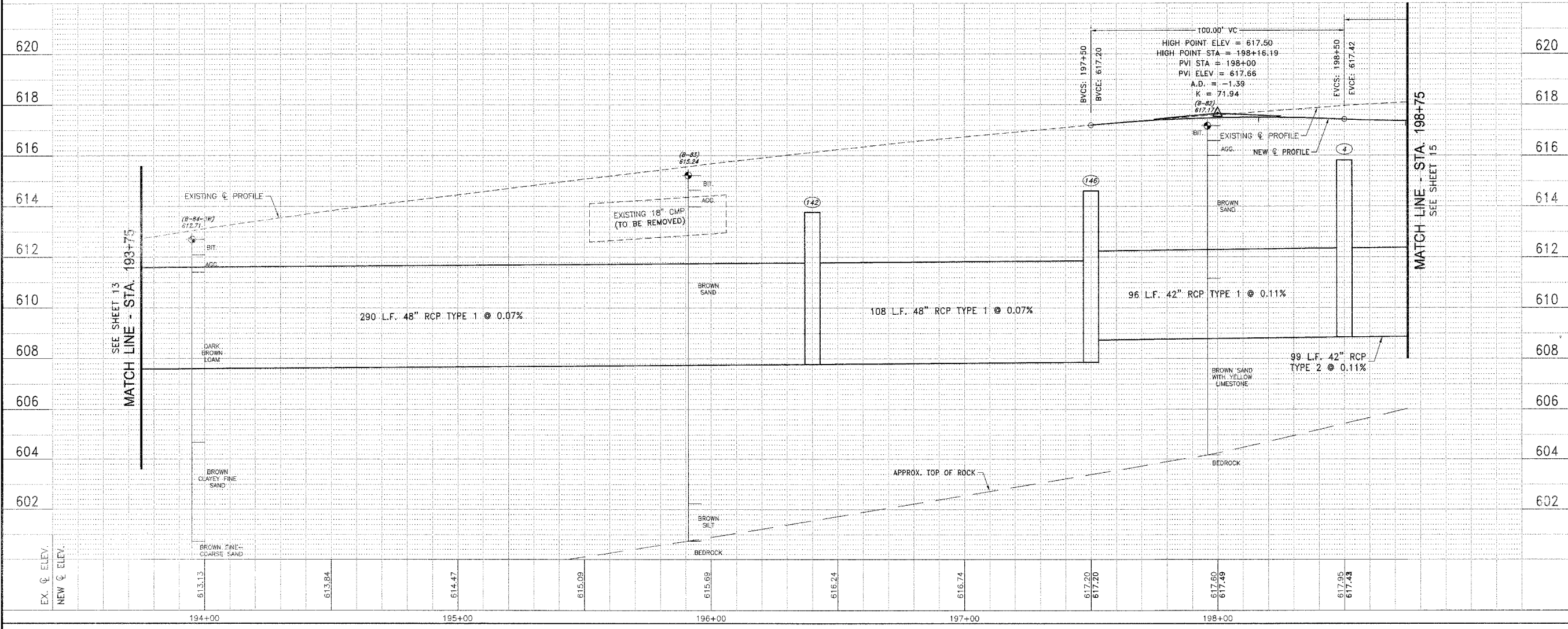
CONTRACT NO. 87314  
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT  
\* LOWE RD. FAU 6209/WALDRON RD. FAU 6184  
\*\* 02-00284-00-WR & 01-00017-00-FP

**TYSON ENGINEERING, INC.**  
CONSULTING CIVIL ENGINEERS  
LAND SURVEYORS  
DESIGN FIRM LICENSE #184-001136  
367 SOUTH SCHUYLER AVENUE  
KANKAKEE, ILLINOIS 60901  
PHONE (815) 932-7406

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**REVISIONS**

NO.	DATE	BY	DESCRIPTION
3	10/24/06	MRG	PER IDOT REVIEW
4	12/29/06	MRG	PER COUNTY REV



WALDRON ROAD  
PLAN AND PROFILE  
STA. 193+75 TO STA. 198+75

PROPOSED IMPROVEMENTS FOR  
**LOWE ROAD**  
FROM IL-17 TO WALDRON ROAD  
**WALDRON ROAD**  
FROM CORP. LIMITS TO DIVISION STREET

SECTION  
02-00284-00-WR &  
01-00017-00-FP

DATE:	07/10/06	JOB NO.	E01015
SCALE:	HORIZ.: 1"=20' VERT.: 1"=2'	FILE NO.	
DRAWN BY:	MRG	SHEET	14
CHECKED BY:	SRM		83

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SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	KANKAKEE	83	15

CONTRACT NO. 87314  
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT  
 \* LOWE RD. FAU 6209/WALDRON RD. FAU 6184  
 \*\* 02-00284-00-WR & 01-00017-00-FP

**TYSON ENGINEERING, INC.**  
 CONSULTING CIVIL ENGINEERS  
 LAND SURVEYORS  
 DESIGN FIRM LICENSE #184-001136  
 367 SOUTH SCHUYLER AVENUE  
 KANKAKEE, ILLINOIS 60901  
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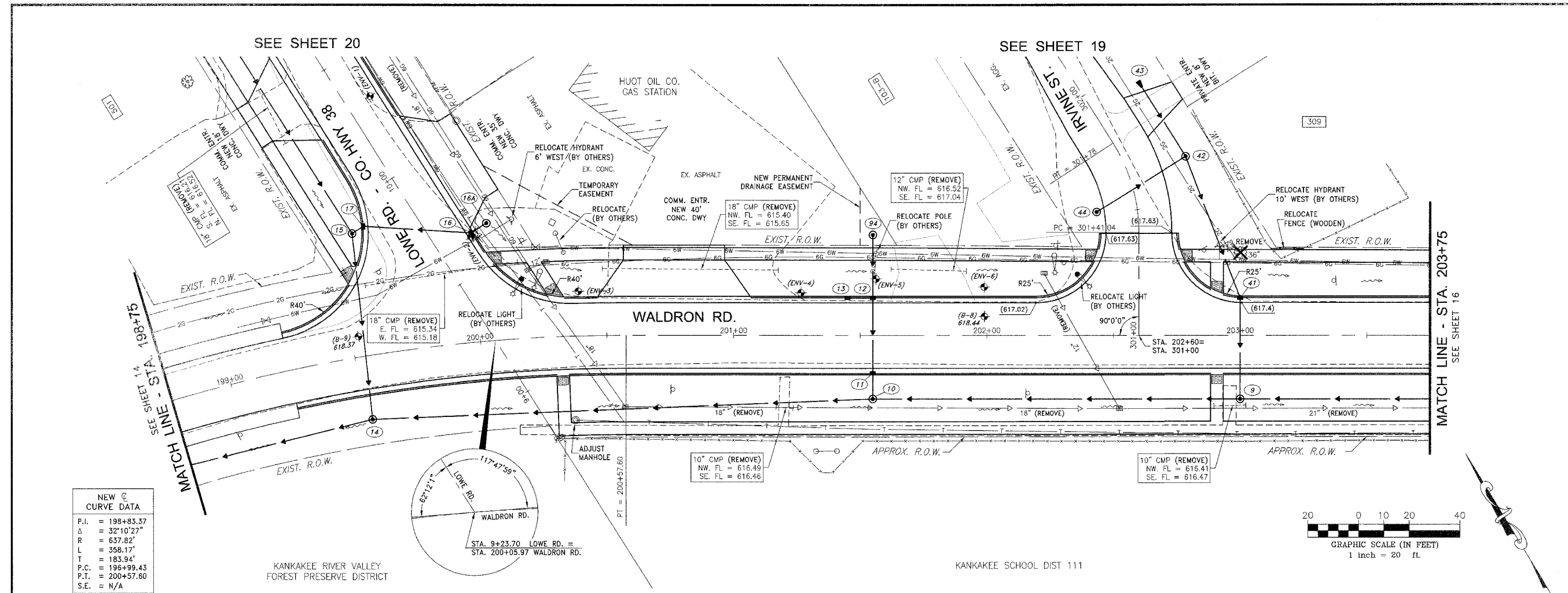
REVISIONS			
NO.	DATE	BY	DESCRIPTION
3	10/24/06	MRG	PER IDOT REVIEW
4	12/29/06	MRG	PER COUNTY REV

WALDRON ROAD  
 PLAN AND PROFILE  
 STA. 199+75 TO STA. 203+75

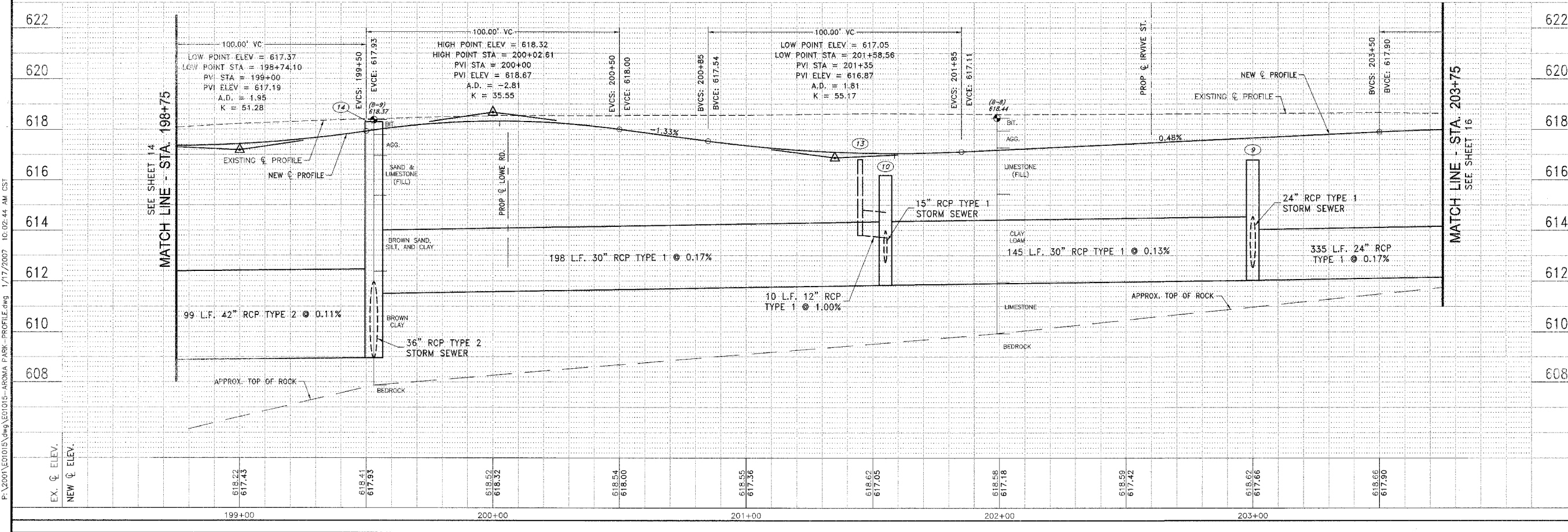
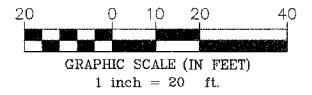
PROPOSED IMPROVEMENTS FOR  
**LOWE ROAD**  
 FROM IL-17 TO WALDRON ROAD  
**WALDRON ROAD**  
 FROM CORP. LIMITS TO DIVISION STREET

SECTION  
 02-00284-00-WR &  
 01-00017-00-FP

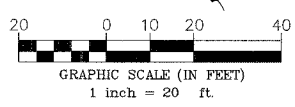
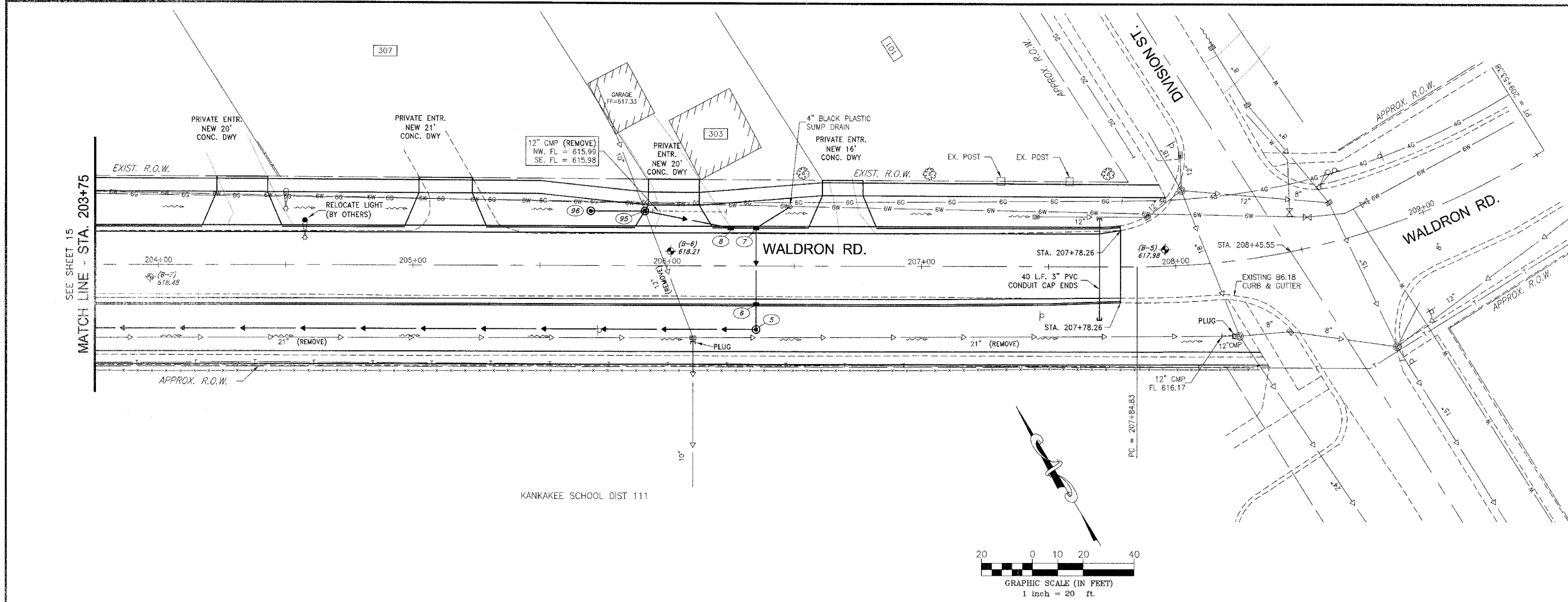
DATE: 07/10/06	JOB NO. E01015
SCALE: HORIZ.: 1"=20' VERT.: 1"=2'	FILE NO.
DRAWN BY: MRG	SHEET
CHECKED BY: SRM	15



NEW @ CURVE DATA	
P.I.	= 198+83.37
Δ	= 32°10'27"
R	= 637.82'
L	= 358.17'
T	= 183.04'
P.C.	= 196+99.43
P.T.	= 200+57.60
S.E.	= N/A



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FAU DIST.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	83	16

CONTRACT NO. 87314  
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT  
 \* LOWE RD. FAU 6209/WALDRON RD. FAU 6184  
 \*\* 02-00284-00-WR & 01-00017-00-FP

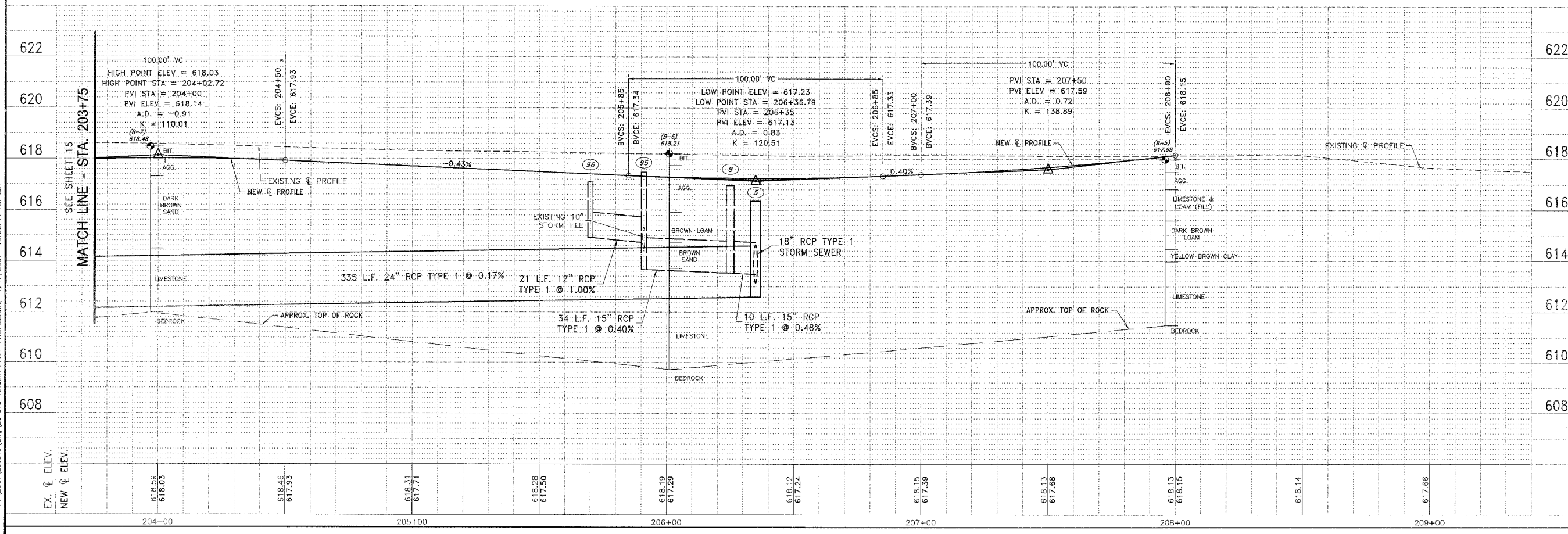
**TYSON ENGINEERING, INC.**  
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 LAND SURVEYORS  
 DESIGN FIRM LICENSE #184-001136  
 367 SOUTH SCHUYLER AVENUE  
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REVISIONS				
NO.	DATE	BY	DESCRIPTION	
3	10/24/06	MRG	PER IDOT REVIEW	
4	12/29/06	MRG	PER COUNTY REV	

WALDRON ROAD  
 PLAN AND PROFILE  
 STA. 203+75 TO STA. 209+00

PROPOSED IMPROVEMENTS FOR  
**LOWE ROAD**  
 FROM IL-17 TO WALDRON ROAD  
**WALDRON ROAD**  
 FROM CORP. LIMITS TO DIVISION STREET



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SECTION  
 02-00284-00-WR &  
 01-00017-00-FP

DATE:	07/10/06	JOB NO.	E01015
SCALE:	HORZ.: 1"=20' VERT.: 1"=2'	FILE NO.	
DRAWN BY:	MRG	SHEET	16
CHECKED BY:	SRM		83



FAU. DIST. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	83	17

CONTRACT NO. 87314

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

\* LOWE RD. FAU 6209/WALDRON RD. FAU 6184

\*\* 02-00284-00-WR & 01-00017-00-FP

**TYSON ENGINEERING, INC.**  
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 LAND SURVEYORS  
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**REVISIONS**

NO.	DATE	BY	DESCRIPTION
3	10/24/06	MRG	PER IDOT REVIEW
4	12/29/06	MRG	PER COUNTY REV

IRVINE STREET  
 PLAN AND PROFILE  
 STA. 301+00 TO STA. 303+50

PROPOSED IMPROVEMENTS FOR  
**LOWE ROAD**  
 FROM IL-17 TO WALDRON ROAD  
**WALDRON ROAD**  
 FROM CORP. LIMITS TO DIVISION STREET

SECTION  
 02-00284-00-WR &  
 01-00017-00-FP

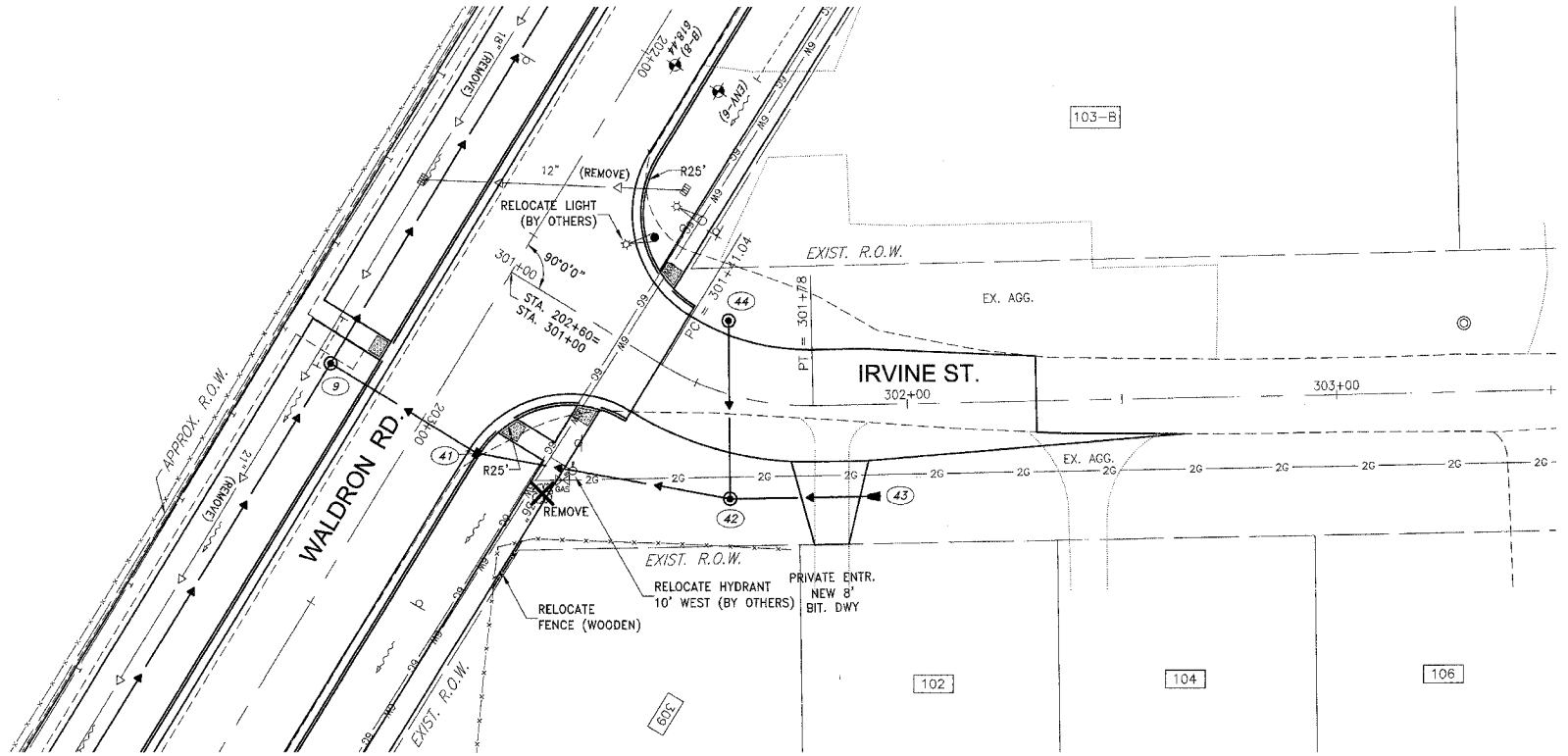
DATE: 07/10/06 JOB NO. E01015

SCALE: HORIZ.: 1"=20' FILE NO.  
 VERT.: 1"=2'

DRAWN BY: MRG SHEET

CHECKED BY: SRM SHEET **17**

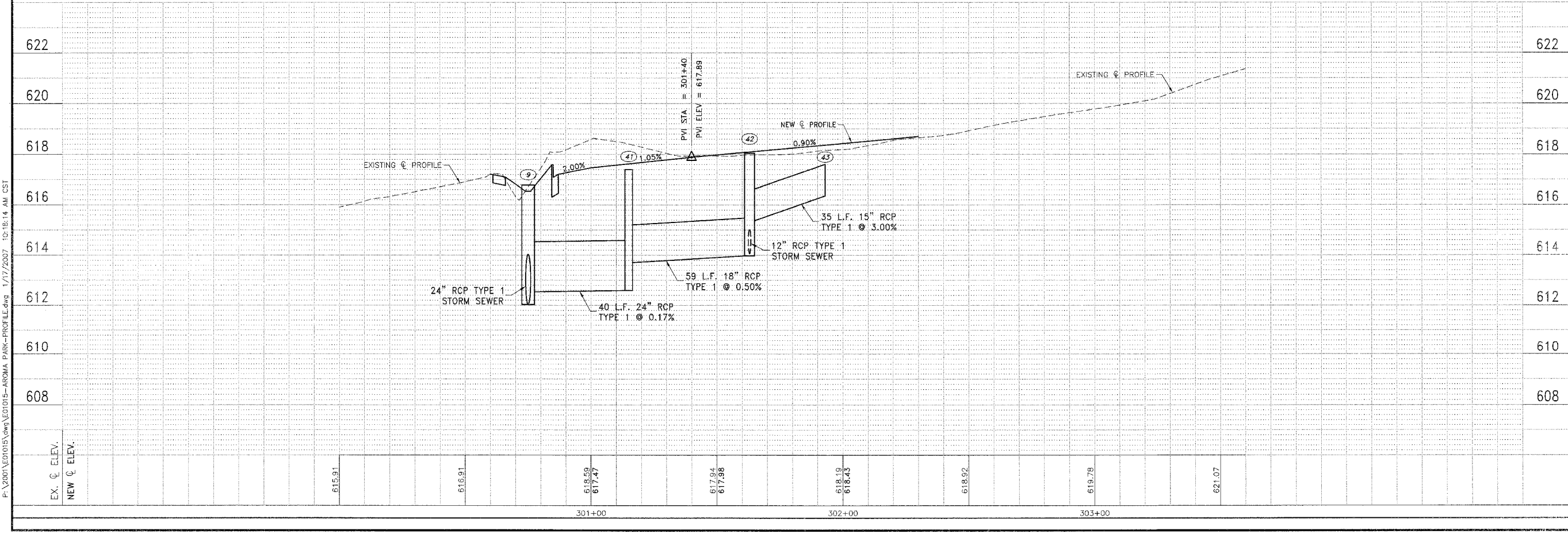
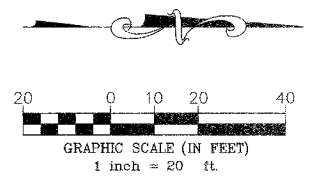
SEE SHEET 15



SEE SHEET 16

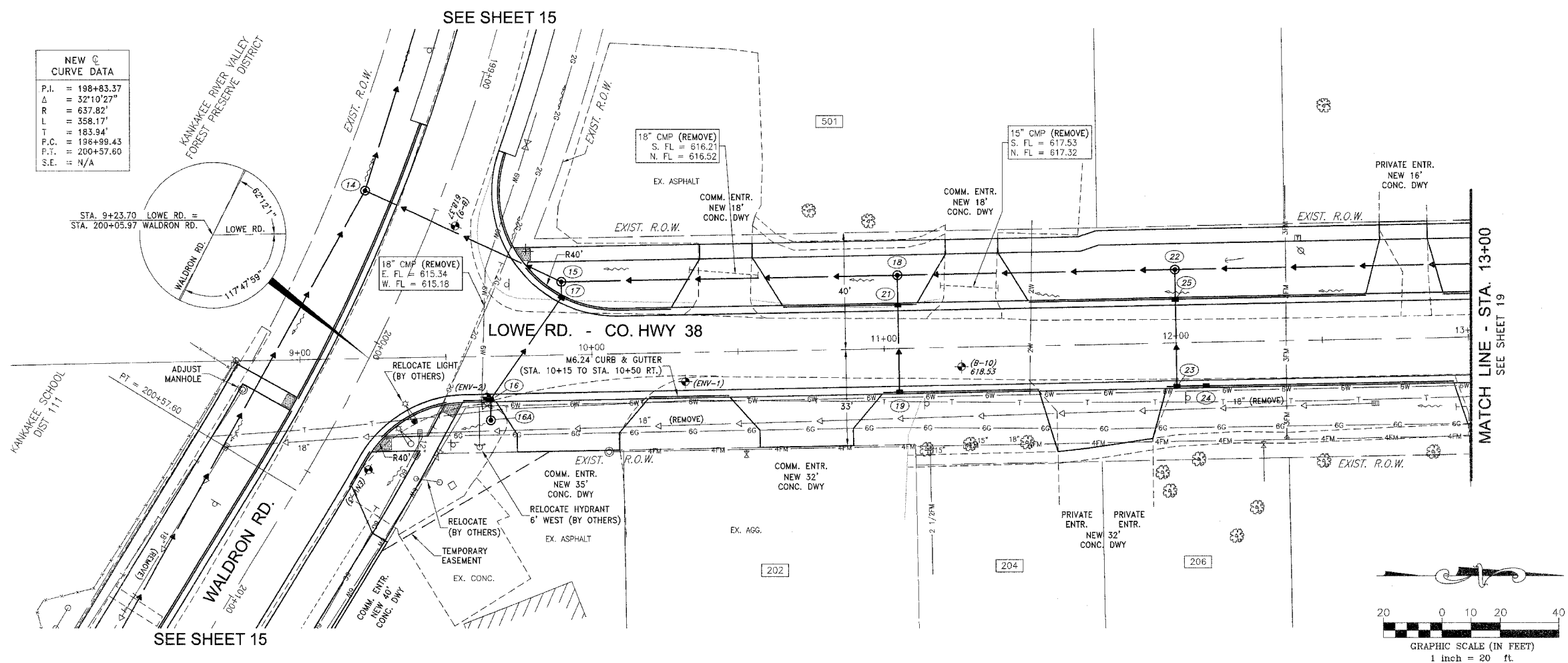
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Δ	= 32°34'50"
R	= 65.00'
L	= 36.96'
T	= 19.00'
P.C.	= 301+41.04
P.T.	= 301+78
S.E.	= N/A



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NEW C CURVE DATA	
P.I.	= 198+83.37
Δ	= 32°10'27"
R	= 637.82'
L	= 358.17'
T	= 183.94'
P.C.	= 196+99.43
P.T.	= 200+57.60
S.E.	= N/A



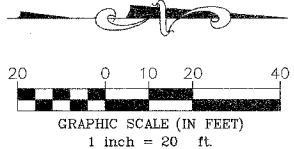
FAU DIST.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	83	18

CONTRACT NO. 87314  
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT  
 \* LOWE RD. FAU 6209/WALDRON RD. FAU 6184  
 \*\* 02-00284-00-WR & 01-00017-00-FP

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 DESIGN FIRM LICENSE #184-001136  
 367 SOUTH SCHUYLER AVENUE  
 KANKAKEE, ILLINOIS 60901  
 PHONE (815) 932-7406

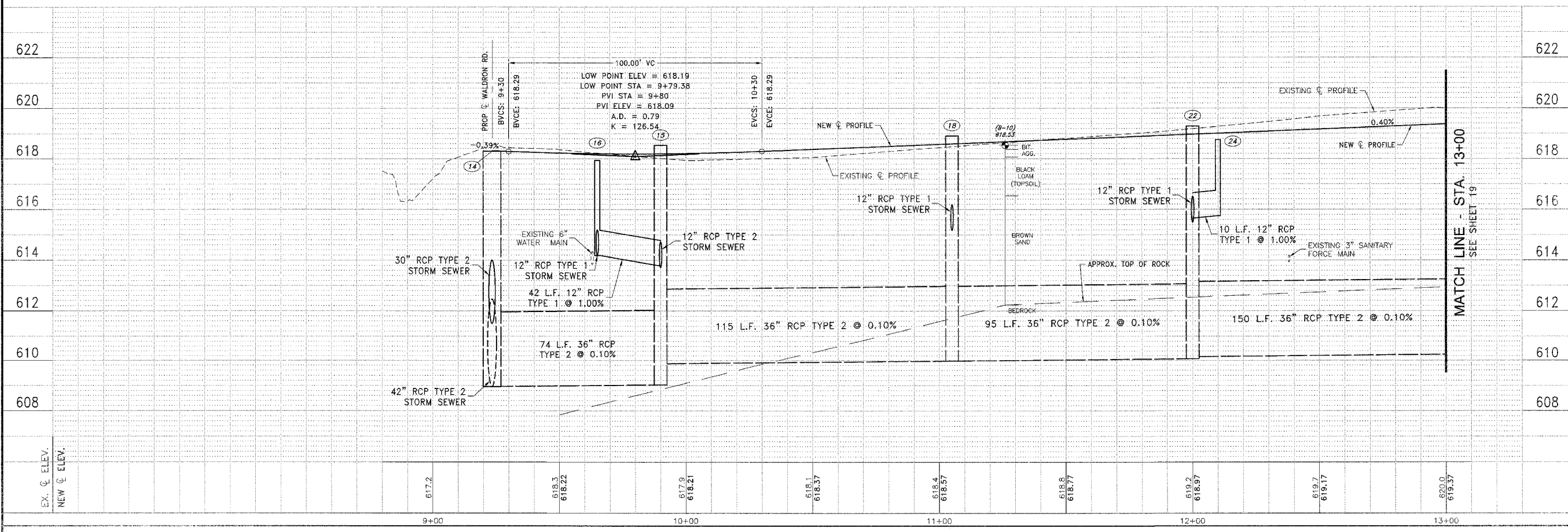
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REVISIONS			
NO.	DATE	BY	DESCRIPTION
3	10/24/06	MRG	PER IDOT REVIEW
4	12/29/06	MRG	PER COUNTY REV



LOWE ROAD  
 PLAN AND PROFILE  
 STA. 9+00 TO STA. 13+00

PROPOSED IMPROVEMENTS FOR  
**LOWE ROAD**  
 FROM IL-17 TO WALDRON ROAD  
**WALDRON ROAD**  
 FROM CORP. LIMITS TO DIVISION STREET



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SECTION  
 02-00284-00-WR &  
 01-00017-00-FP

DATE: 07/10/06 JOB NO. E01015  
 SCALE: HORIZ.: 1"=20' FILE NO.  
 VERT.: 1"=2'  
 DRAWN BY: MRG SHEET  
 CHECKED BY: SRM SHEET 18  
 83

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 LAND SURVEYORS  
 DESIGN FIRM LICENSE #184-001136  
 367 SOUTH SCHUYLER AVENUE  
 KANKAKEE, ILLINOIS 60901  
 PHONE (815) 932-7406

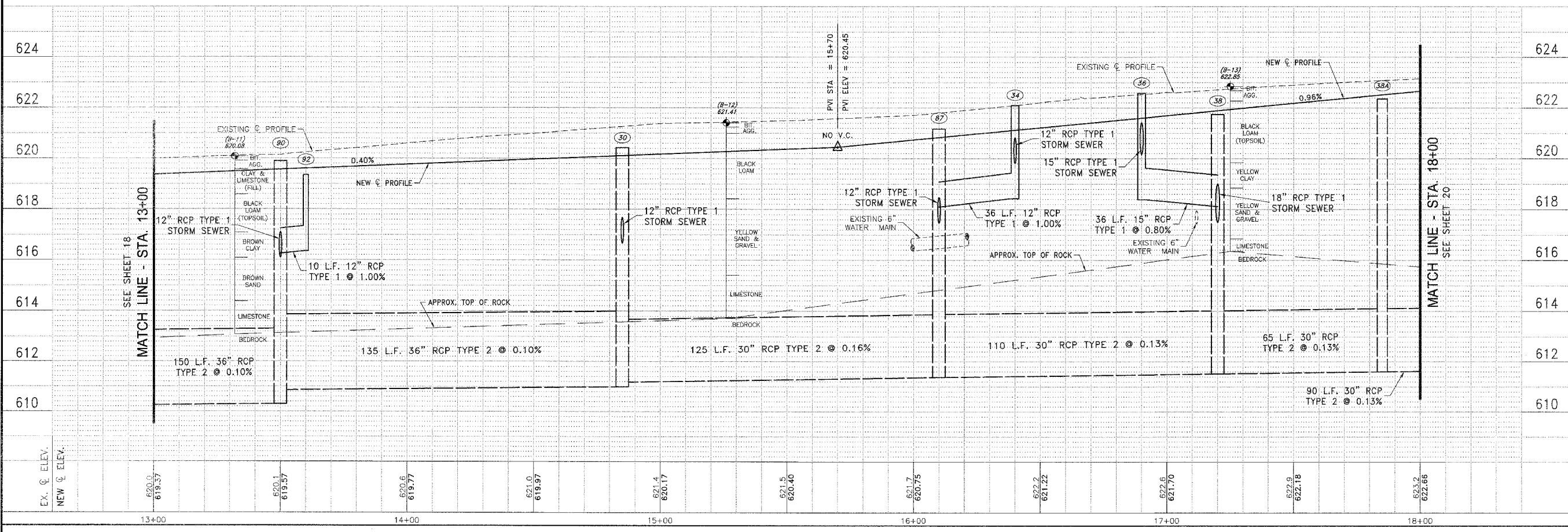
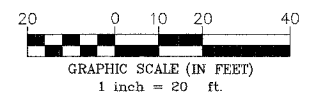
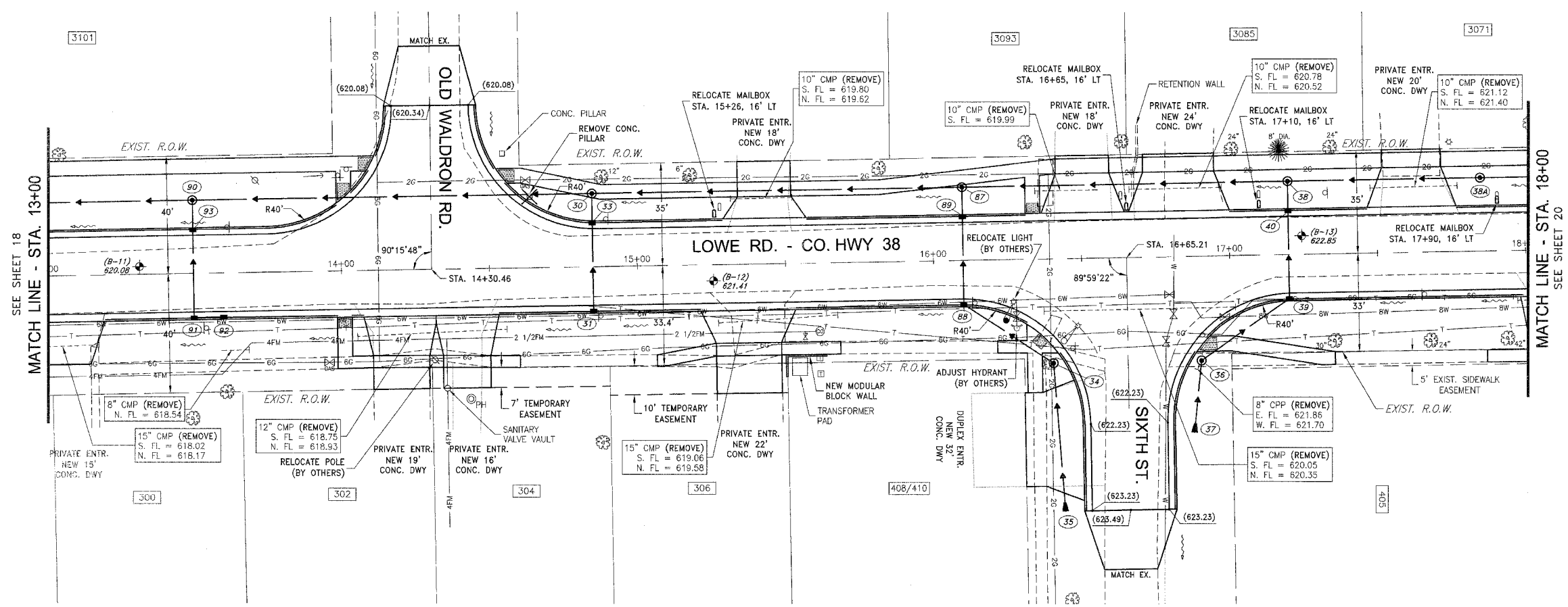
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REVISIONS			
NO.	DATE	BY	DESCRIPTION
3	10/24/06	MRC	PER IDOT REVIEW
4	12/29/06	MRC	PER COUNTY REV

LOWE ROAD  
 PLAN AND PROFILE  
 STA. 13+00 TO STA. 18+00

PROPOSED IMPROVEMENTS FOR  
**LOWE ROAD**  
 FROM IL-17 TO WALDRON ROAD  
**WALDRON ROAD**  
 FROM CORP. LIMITS TO DIVISION STREET

SECTION 02-00284-00-WR & 01-00017-00-FP	
DATE: 07/10/06	JOB NO. ED1015
SCALE: HORIZ.: 1"=20' VERT.: 1"=2'	FILE NO.
DRAWN BY: MRC	SHEET
CHECKED BY: SRM	<b>19</b>
	83



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SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
02-00284-00-WR & 01-00017-00-FP	KANKAKEE	83	20

CONTRACT NO. 87314  
 FED. ROAD DIST. NO. ILLINOIS  
 FED. AID PROJECT  
 \* LOWE RD. FAU 6209/WALDRON RD. FAU 6184  
 \*\* 02-00284-00-WR & 01-00017-00-FP

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 CONSULTING CIVIL ENGINEERS  
 LAND SURVEYORS  
 DESIGN FIRM LICENSE #184-001136  
 367 SOUTH SCHUYLER AVENUE  
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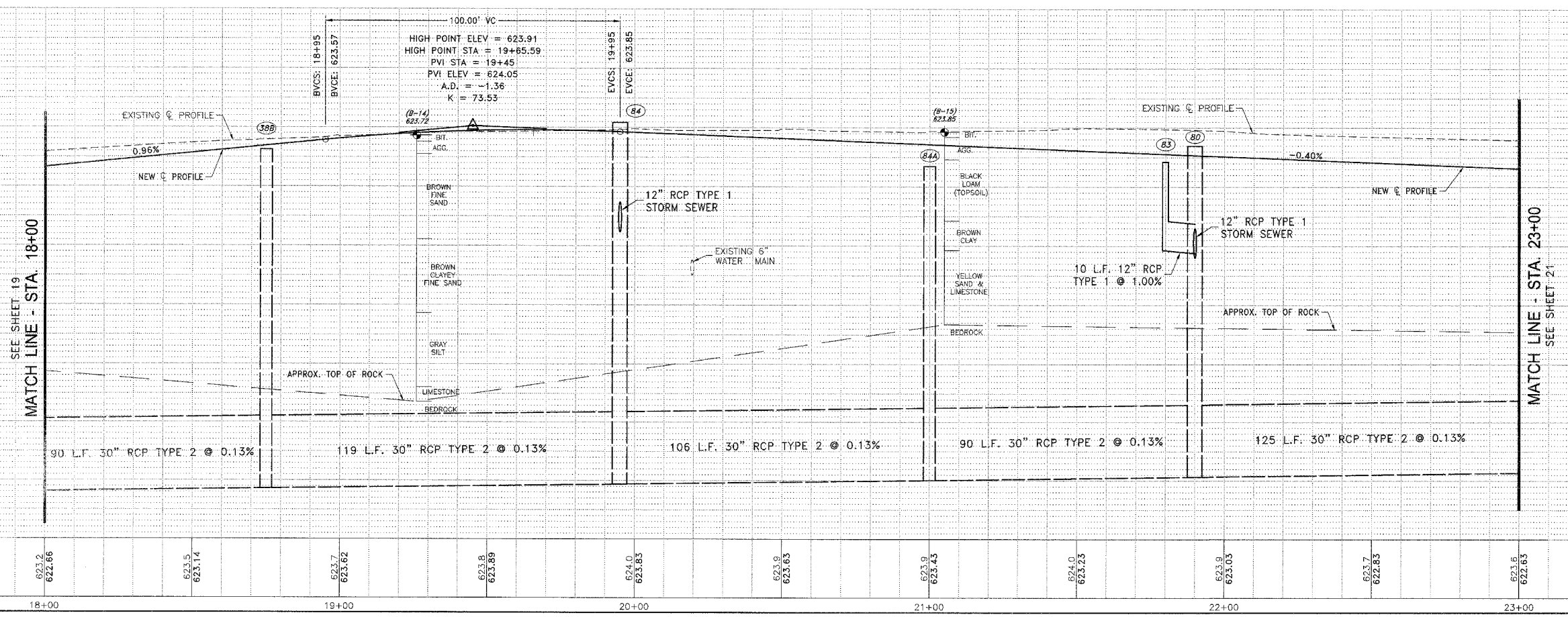
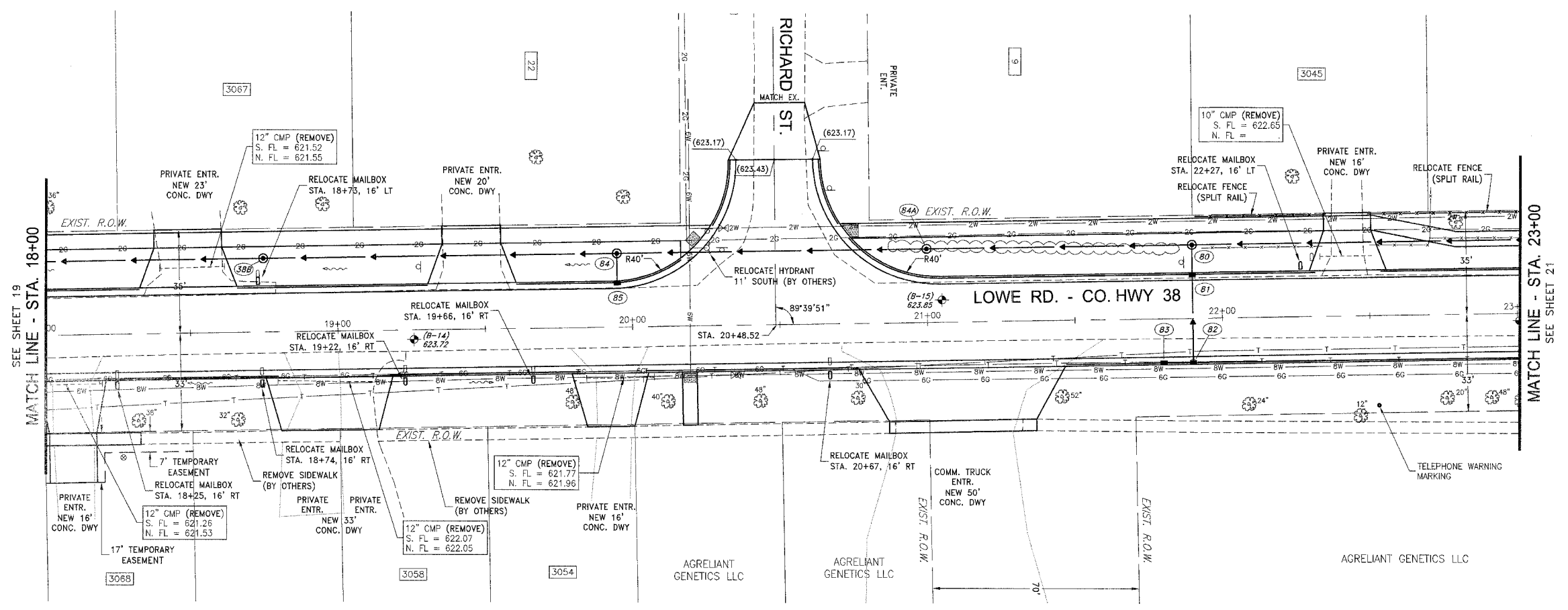
REVISIONS			
NO.	DATE	BY	DESCRIPTION
3	10/24/06	MRG	PER IDOT REVIEW
4	12/28/06	MRG	PER COUNTY REV

LOWE ROAD  
 PLAN AND PROFILE  
 STA. 18+00 TO STA. 23+00

PROPOSED IMPROVEMENTS FOR  
**LOWE ROAD**  
 FROM IL-17 TO WALDRON ROAD  
**WALDRON ROAD**  
 FROM CORP. LIMITS TO DIVISION STREET

SECTION  
 02-00284-00-WR &  
 01-00017-00-FP

DATE: 07/10/06	JOB NO. E01015
SCALE: HORIZ.: 1"=20' VERT.: 1"=2'	FILE NO.
DRAWN BY: MRG	SHEET
CHECKED BY: SRM	20
	83



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FAU NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	83	21

CONTRACT NO. 87314  
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT  
 \* LOWE RD. FAU 6209/WALDRON RD. FAU 6184  
 \*\* 02-00284-00-WR & 01-00017-00-FP

**TYSON ENGINEERING, INC.**  
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 LAND SURVEYORS  
 DESIGN FIRM LICENSE #184-0011-06  
 367 SOUTH SCHUYLER AVENUE  
 KANKAKEE, ILLINOIS 60901  
 PHONE (815) 932-7406

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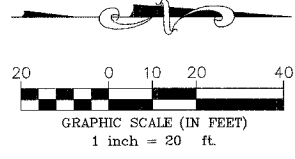
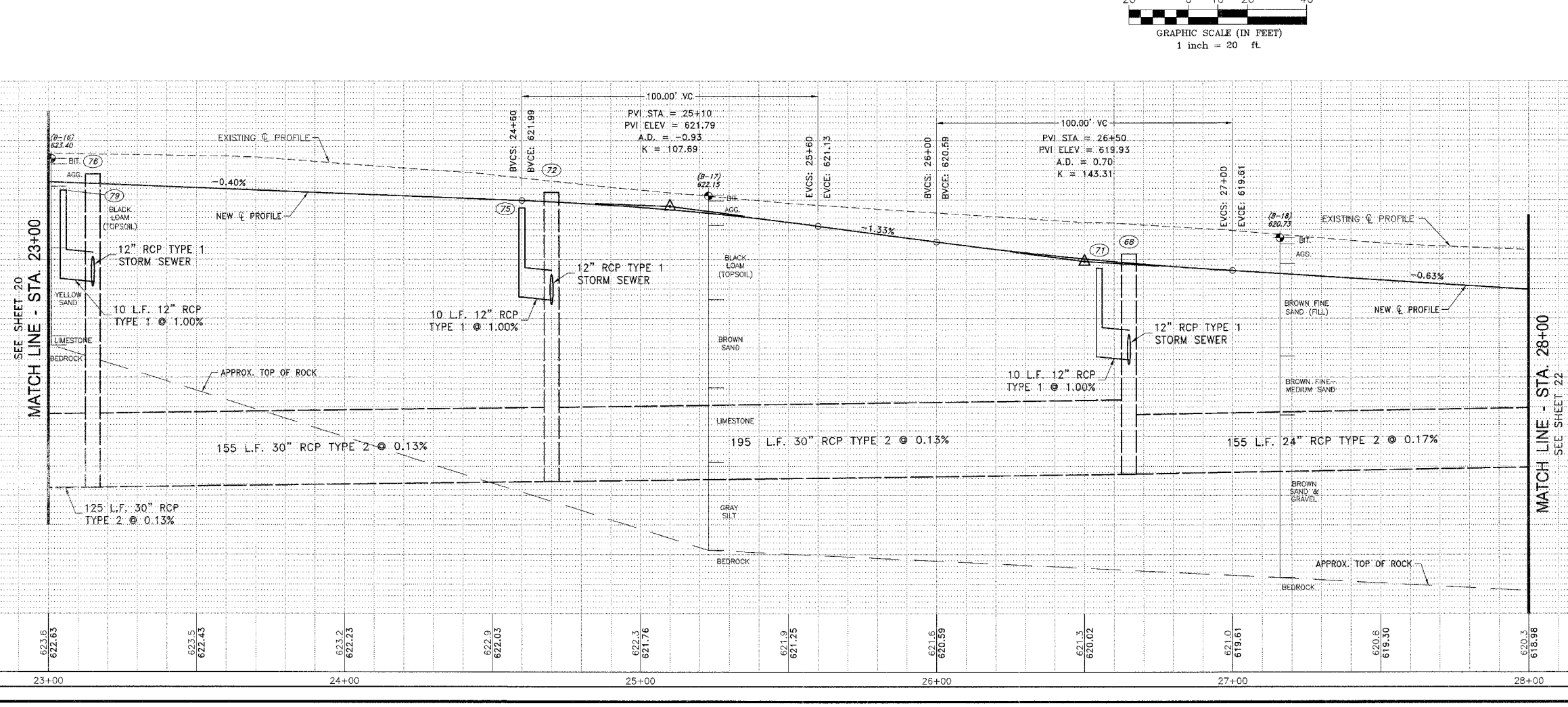
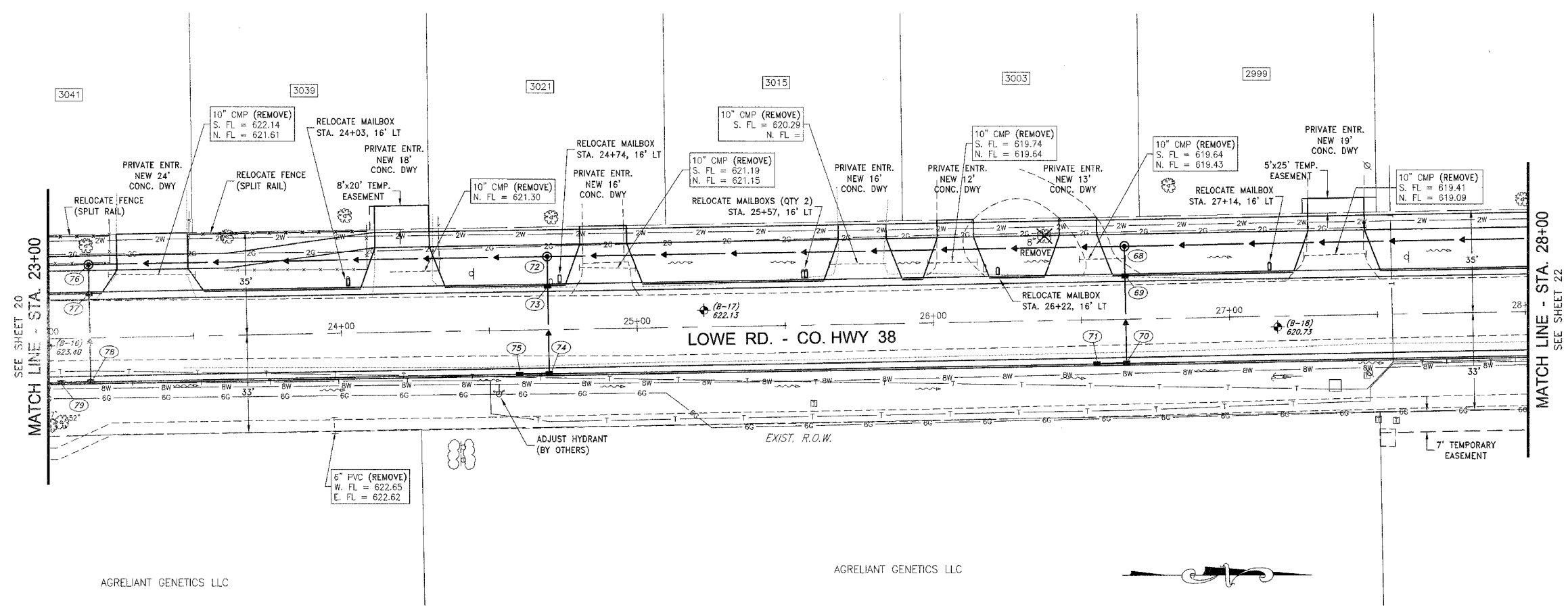
REVISIONS			
NO.	DATE	BY	DESCRIPTION
3	10/24/06	MRG	PER IDOT REVIEW
4	12/29/06	MRG	PER COUNTY REV

LOWE ROAD  
 PLAN AND PROFILE  
 STA. 23+00 TO STA. 28+00

PROPOSED IMPROVEMENTS FOR  
**LOWE ROAD**  
 FROM IL-17 TO WALDRON ROAD  
**WALDRON ROAD**  
 FROM CORP. LIMITS TO DIVISION STREET

SECTION  
 02-00284-00-WR &  
 01-00017-00-FP

DATE: 07/10/06	JOB NO. E01015
SCALE: HORZ.: 1"=20' VERT.: 1"=2'	FILE NO.
DRAWN BY: MRG	SHEET 21
CHECKED BY: SRM	83



P:\2007\01015\dwg\01015-AROMA P\PRK-PROFILE.dwg 1/17/2007 10:38:48 AM CST

PLAN	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	83	22

CONTRACT NO. B7314  
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT  
 \* LOWE RD. FAU 6209/WALDRON RD. FAU 6184  
 \*\* 02-00284-00-WR & 01-00017-00-FP

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 CONSULTING CIVIL ENGINEERS  
 LAND SURVEYORS  
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 KANKAKEE, ILLINOIS 60901  
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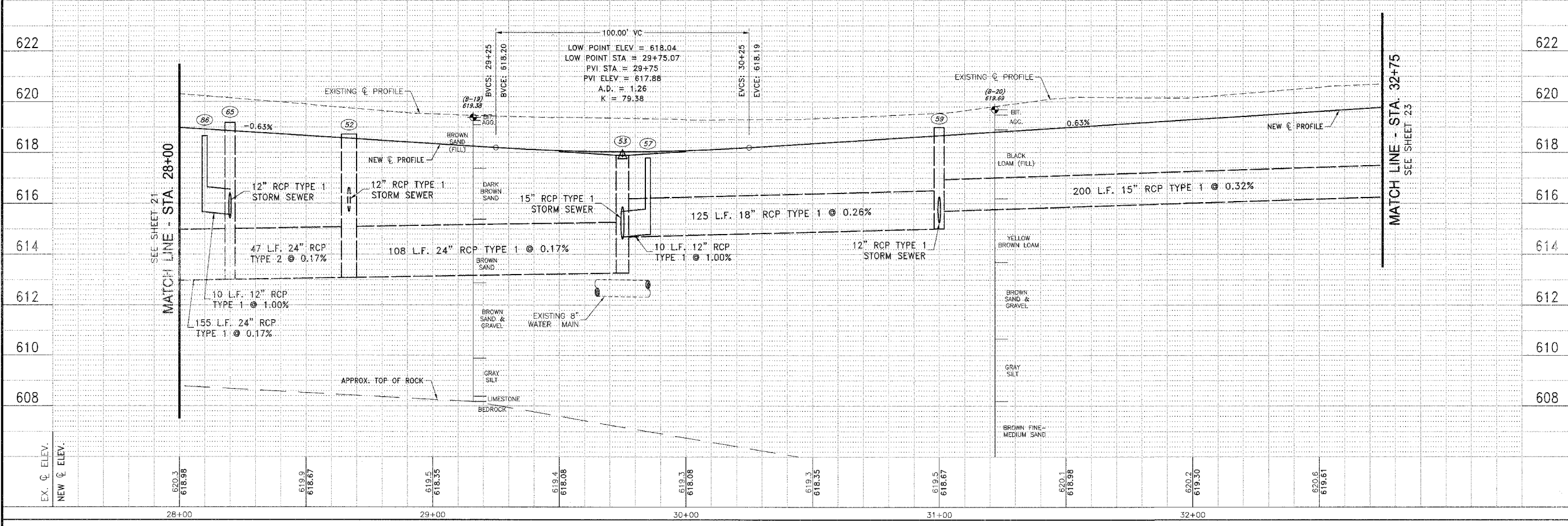
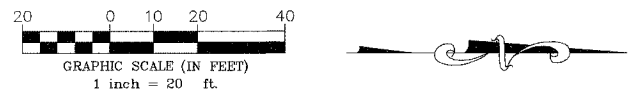
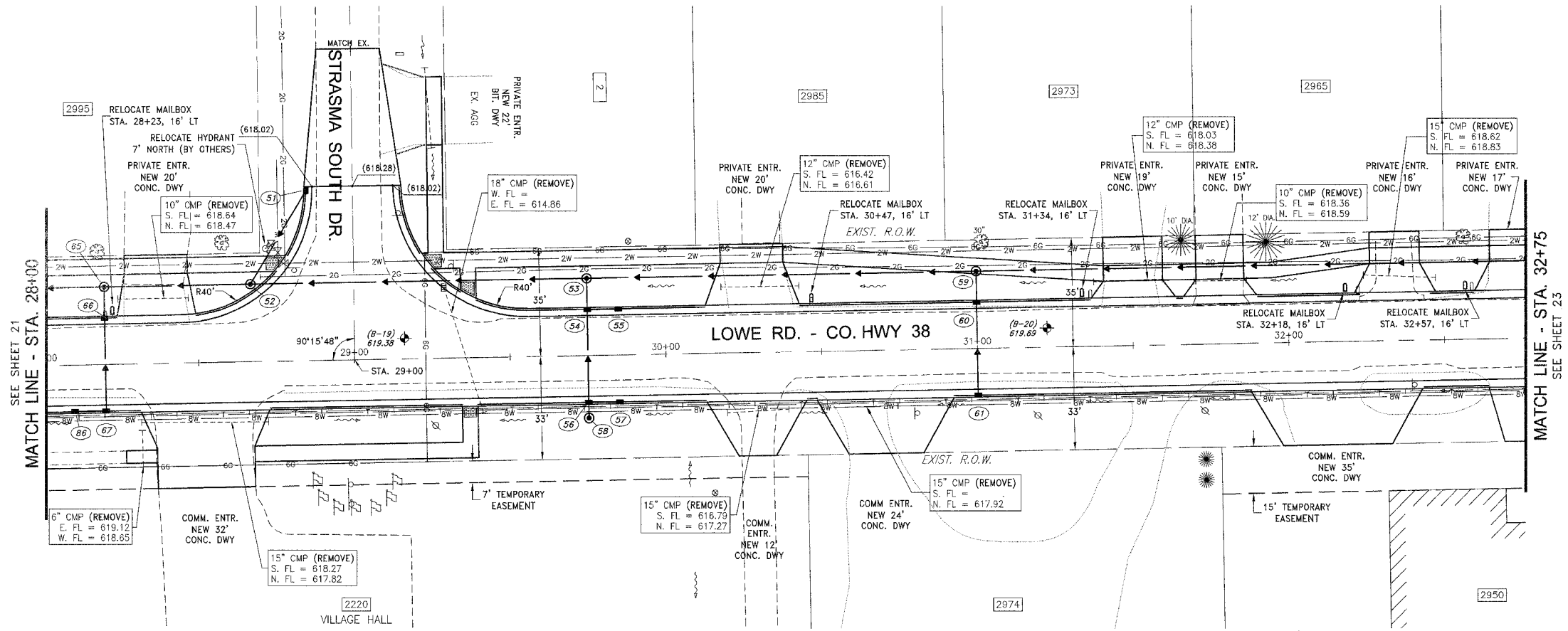
REVISIONS			
NO.	DATE	BY	DESCRIPTION
3	10/24/06	MRC	PER IDOT REVIEW
4	12/29/06	MRC	PER COUNTY REV

LOWE ROAD  
 PLAN AND PROFILE  
 STA. 28+00 TO STA. 32+75

PROPOSED IMPROVEMENTS FOR  
**LOWE ROAD**  
 FROM IL-17 TO WALDRON ROAD  
**WALDRON ROAD**  
 FROM CORP. LIMITS TO DIVISION STREET

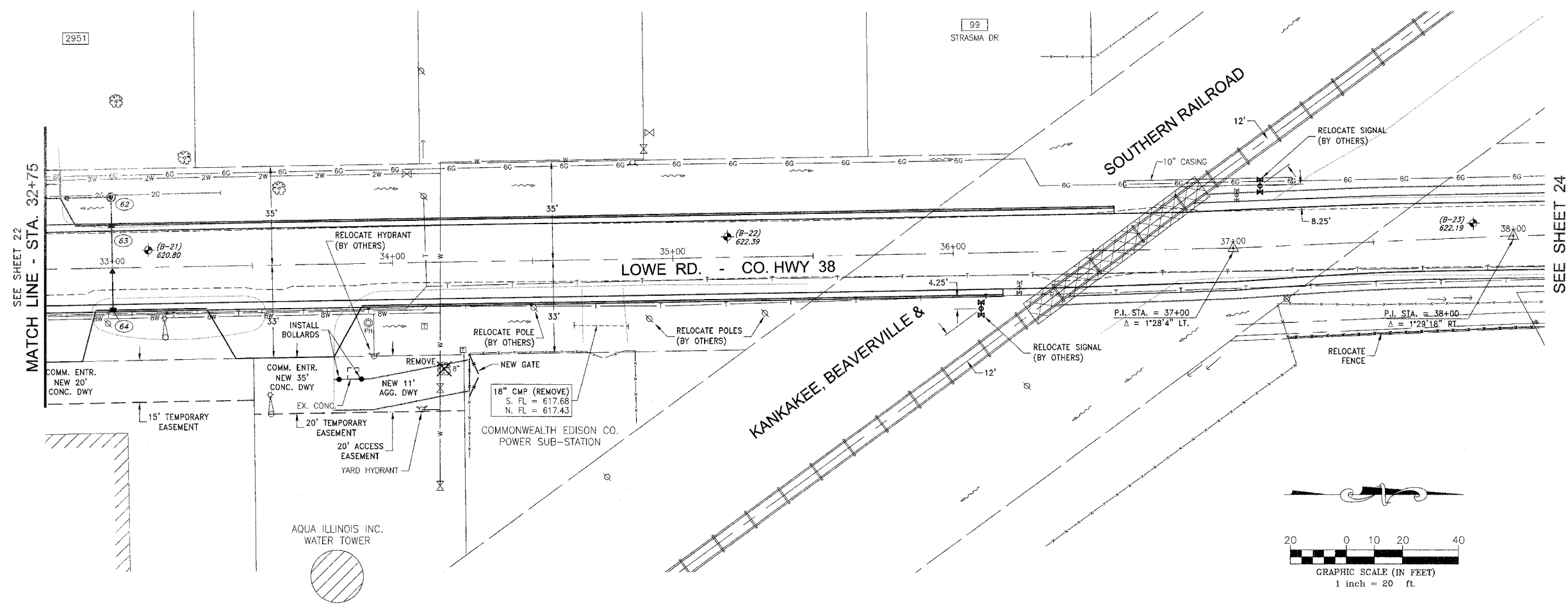
SECTION  
 02-00284-00-WR &  
 01-00017-00-FP

DATE: 07/10/06	JOB NO. E01015
SCALE: HORIZ.: 1"=20' VERT.: 1"=2'	FILE NO.
DRAWN BY: MRC	SHEET 22
CHECKED BY: SRM	83



P:\2001\E01015\Low\E01015-AROMA PARK-PROFILE.dwg 1/17/2007 10:36:48 AM CST

P:\2009\1015\eng\1015-RRDWA\_PARK-PROFILE.dwg 1/17/2007 10:36:48 AM CST



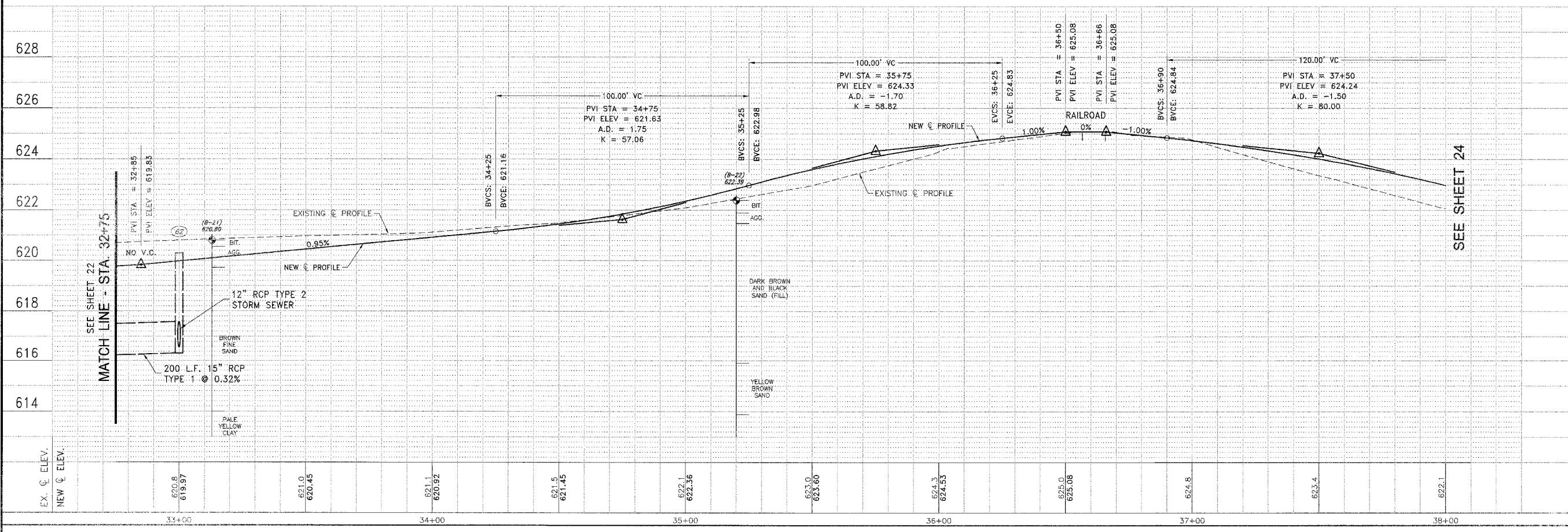
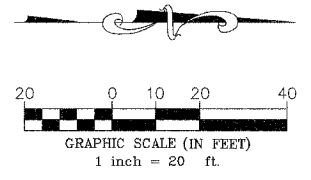
PLAN	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	**	KANKAKEE	83	23

CONTRACT NO. 87314  
 FED. ROAD DIST. NO. ILLINOIS  
 FED. AID PROJECT  
 \* LOWE RD. FAU 6206/WALDRON RD. FAU 6184  
 \*\* 02-00284-00-WR & 01-00017-00-FP

**TYSON ENGINEERING, INC.**  
 CONSULTING CIVIL ENGINEERS  
 LAND SURVEYORS  
 DESIGN FIRM LICENSE #184-001136  
 367 SOUTH SCHUYLER AVENUE  
 KANKAKEE, ILLINOIS 60901  
 PHONE (815) 932-7406

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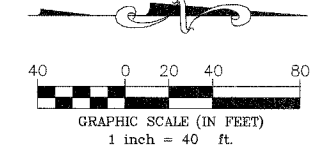
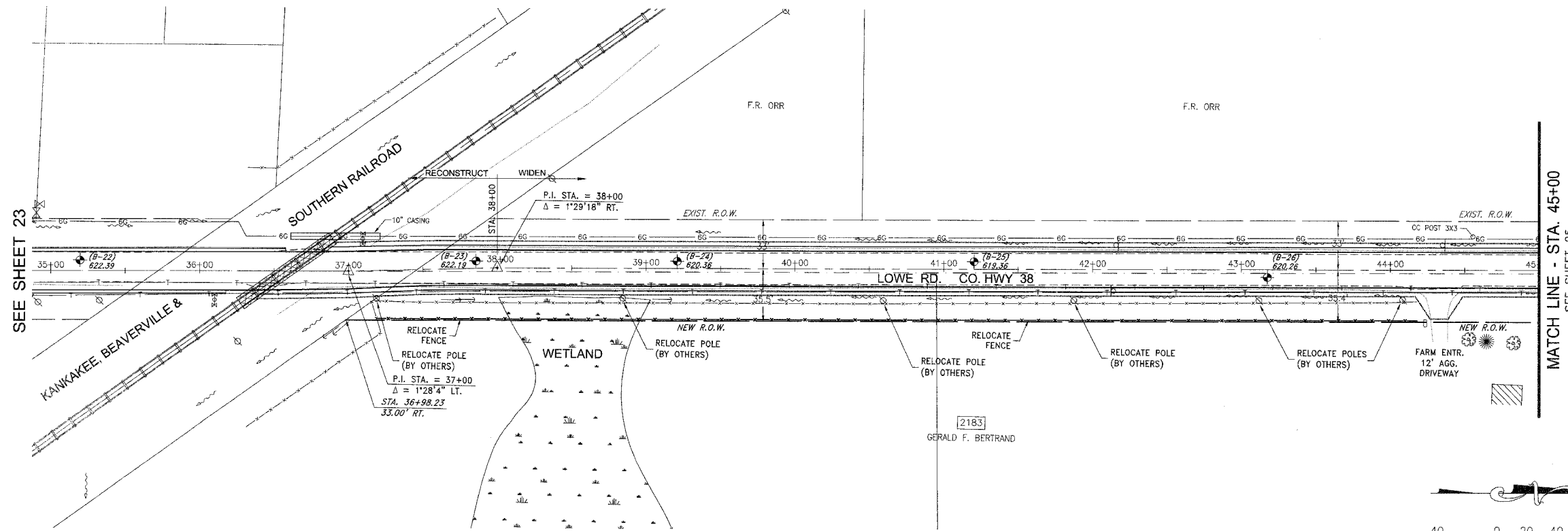
REVISIONS			
NO.	DATE	BY	DESCRIPTION
3	10/24/08	MRG	PER IDOT REVIEW
4	12/29/08	MRG	PER COUNTY REV



LOWE ROAD  
 PLAN AND PROFILE  
 STA. 32+75 TO STA. 38+00

PROPOSED IMPROVEMENTS FOR  
**LOWE ROAD**  
 FROM IL-17 TO WALDRON ROAD  
**WALDRON ROAD**  
 FROM CORP. LIMITS TO DIVISION STREET

SECTION 02-00284-00-WR & 01-00017-00-FP	
DATE: 07/10/06	JOB NO. E01015
SCALE: HORIZ.: 1"=20' VERT.: 1"=2'	FILE NO.
DRAWN BY: MRG	SHEET
CHECKED BY: SRM	<b>23</b>
	83



TALE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	83	24

CONTRACT NO. 87314  
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT  
 \* LOWE RD. FAU 6208/WALDRON RD. FAU 6184  
 \*\* 02-00284-00-WR & 01-00017-00-FP

**TYSON ENGINEERING, INC.**  
 CONSULTING CIVIL ENGINEERS  
 LAND SURVEYORS  
 DESIGN FIRM LICENSE #194-001136  
 367 SOUTH SCHUYLER AVENUE  
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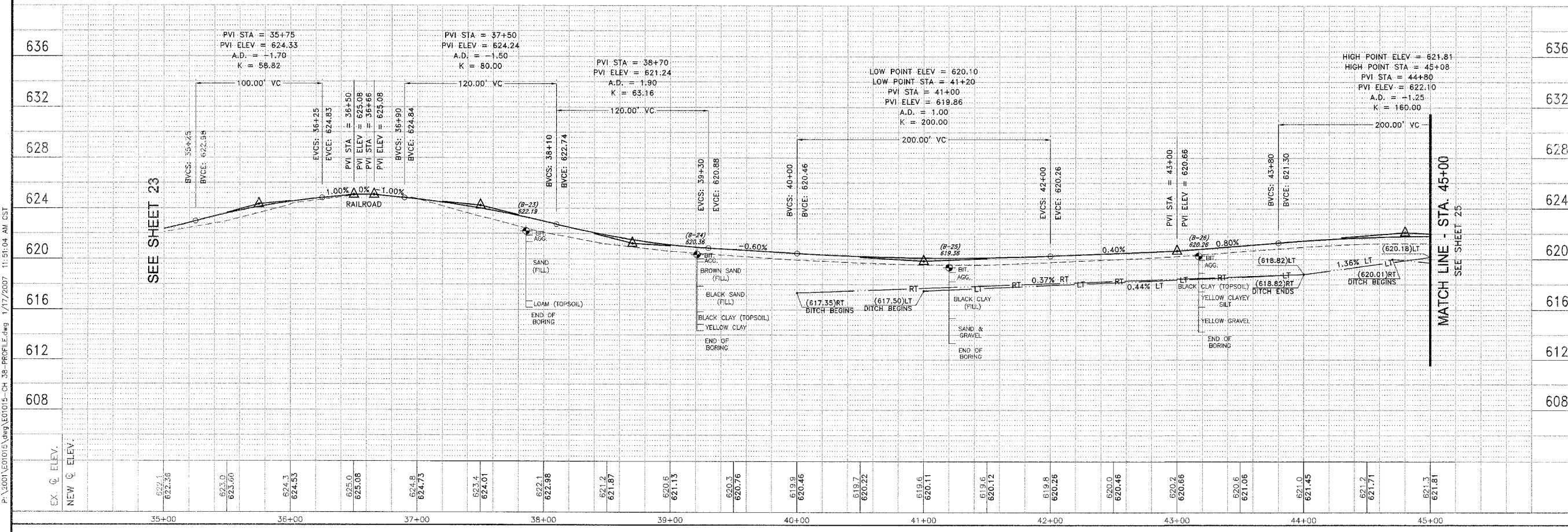
REVISIONS			
NO.	DATE	BY	DESCRIPTION
3	10/24/06	MRG	PER IDOT REVIEW
4	12/29/06	MRG	PER COUNTY REV

LOWE ROAD  
 PLAN AND PROFILE  
 STA. 35+00 TO STA. 45+00

PROPOSED IMPROVEMENTS FOR  
**LOWE ROAD**  
 FROM IL-17 TO WALDRON ROAD  
**WALDRON ROAD**  
 FROM CORP. LIMITS TO DIVISION STREET

SECTION  
 02-00284-00-WR &  
 01-00017-00-FP

DATE: 07/10/06	JOB NO. E01015
SCALE: HORZ.: 1"=40' VERT.: 1"=4'	FILE NO.
DRAWN BY: MRG	SHEET
CHECKED BY: SRM	<b>24</b>
	83



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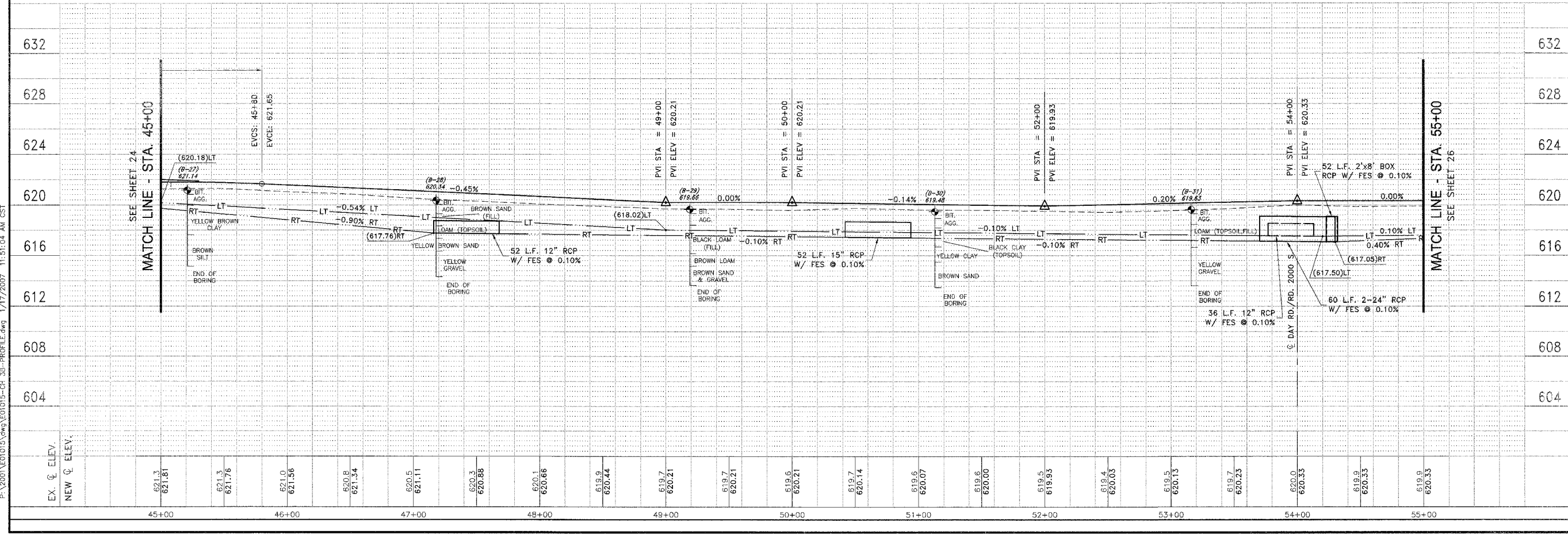
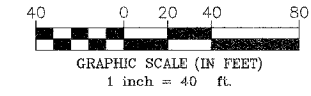
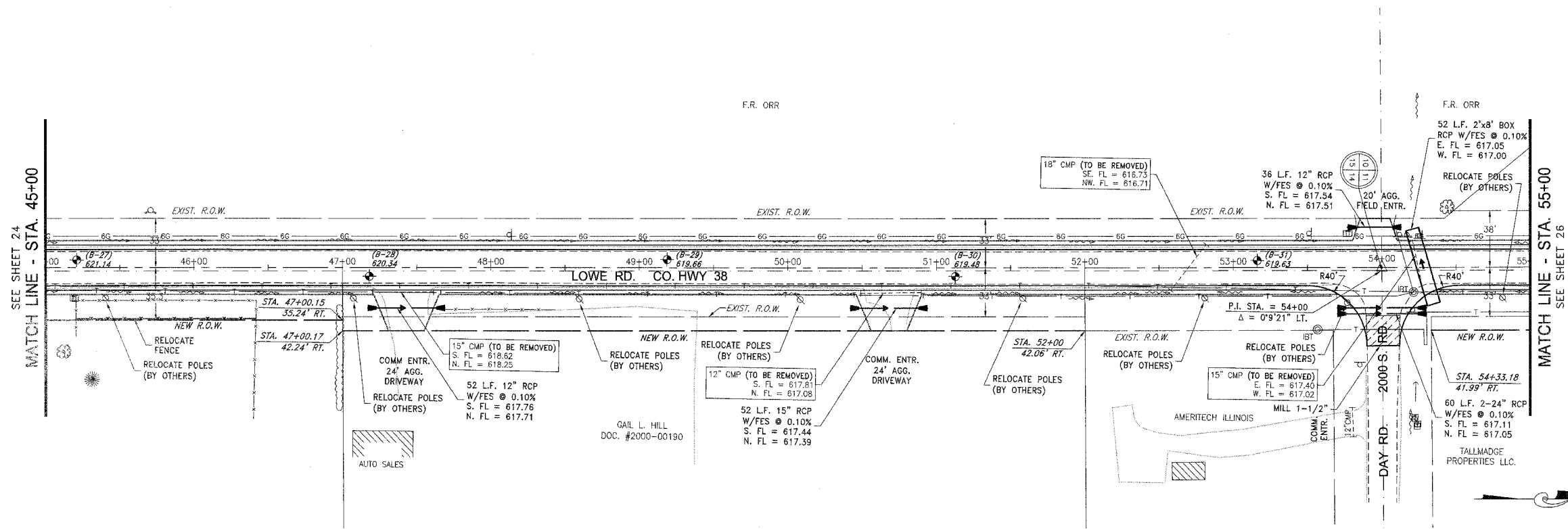
REVISIONS			
NO.	DATE	BY	DESCRIPTION
3	10/24/06	MRG	PER IDOT REVIEW
4	12/29/06	MRG	PER COUNTY REVIEW

LOWE ROAD  
 PLAN AND PROFILE  
 STA. 45+00 TO STA. 55+00

PROPOSED IMPROVEMENTS FOR  
**LOWE ROAD**  
 FROM IL-17 TO WALDRON ROAD  
**WALDRON ROAD**  
 FROM CORP. LIMITS TO DIVISION STREET

SECTION  
 02-00284-00-WR &  
 01-00017-00-FP

DATE: 07/10/06 JOB NO. E01015  
 SCALE: HORIZ.: 1"=40' FILE NO.  
 VERT.: 1"=4'  
 DRAWN BY: MRG SHEET  
 CHECKED BY: SRM **25**  
 83



P:\2001\01015\01015-CH 39-PROFILE.dwg 1/17/2007 11:51:04 AM CST

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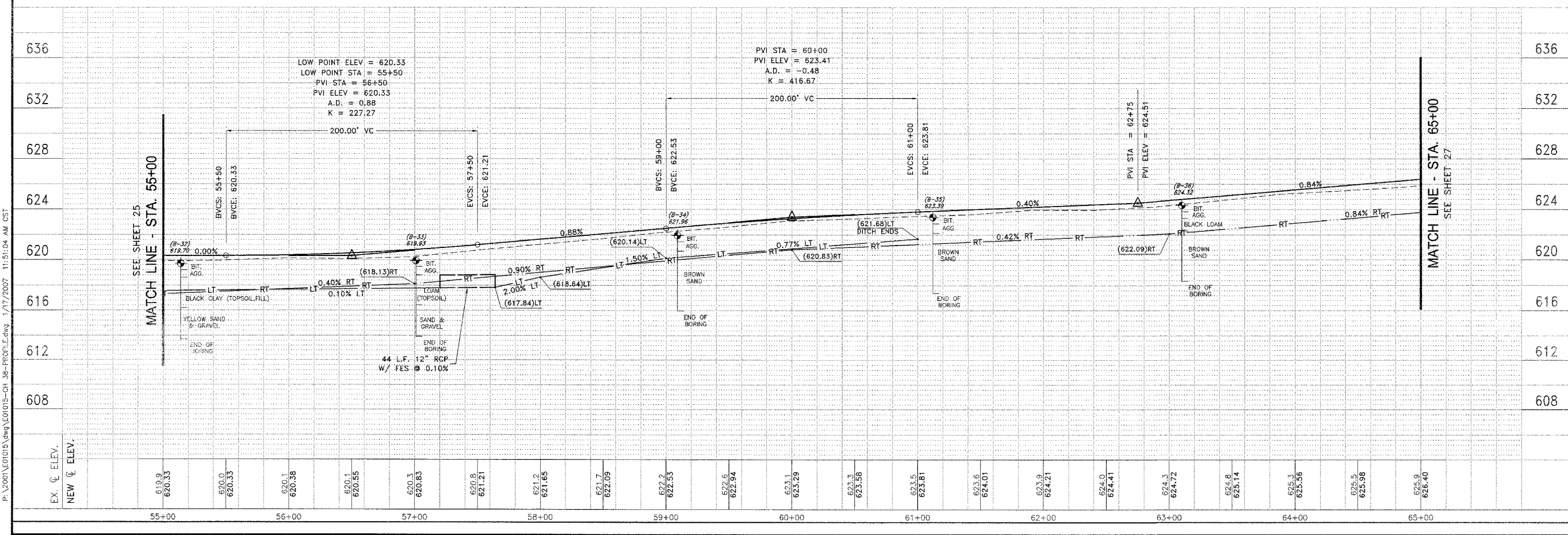
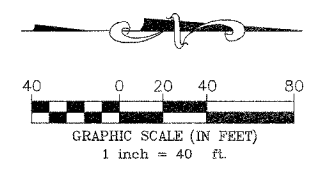
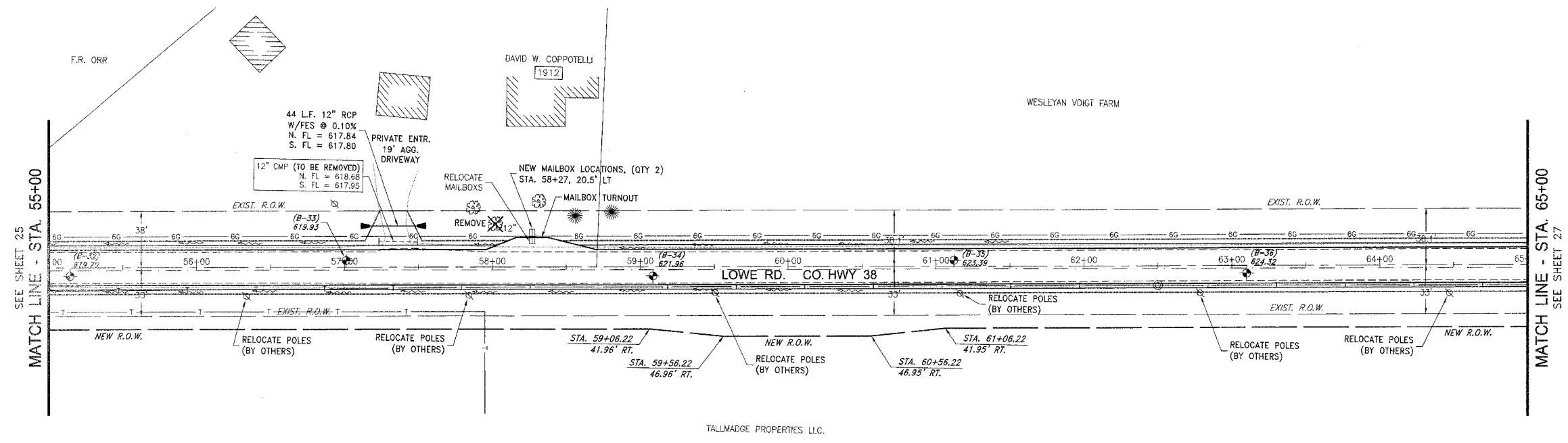
REVISIONS			
NO.	DATE	BY	DESCRIPTION
3	10/24/06	MRG	PER IDOT REVIEW
4	12/29/06	MRG	PER COUNTY REV

LOWE ROAD  
 PLAN AND PROFILE  
 STA. 55+00 TO STA. 65+00

PROPOSED IMPROVEMENTS FOR  
**LOWE ROAD**  
 FROM IL-17 TO WALDRON ROAD  
**WALDRON ROAD**  
 FROM CORP. LIMITS TO DIVISION STREET

SECTION  
 02-00284-00-WR &  
 01-00017-00-FP

DATE: 07/10/06 JOB NO. E01015  
 SCALE: HORZ.: 1"=40' FILE NO.  
 VERT.: 1"=4'  
 DRAWN BY: MRG SHEET  
 CHECKED BY: SRM SHEET  
**26**  
 83



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FAU DIST.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	83	27

CONTRACT NO. 87314  
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT  
 \* LOWE RD. FAU 6205/WALDRON RD. FAU 6184  
 \*\* 02-00284-00-WR & 01-00017-00-FP

**TYSON ENGINEERING, INC.**  
 CONSULTING CIVIL ENGINEERS  
 LAND SURVEYORS  
 DESIGN FIRM LICENSE #184-001136  
 367 SOUTH SCHUYLER AVENUE  
 KANKAKEE, ILLINOIS 60901  
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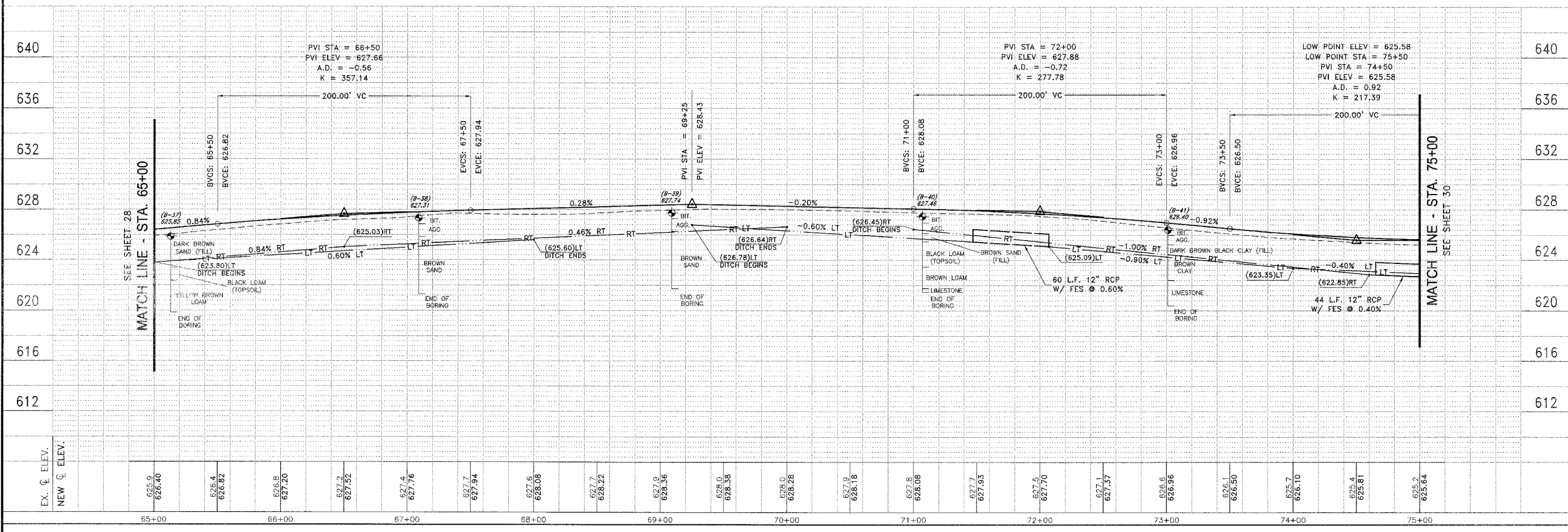
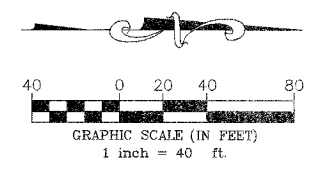
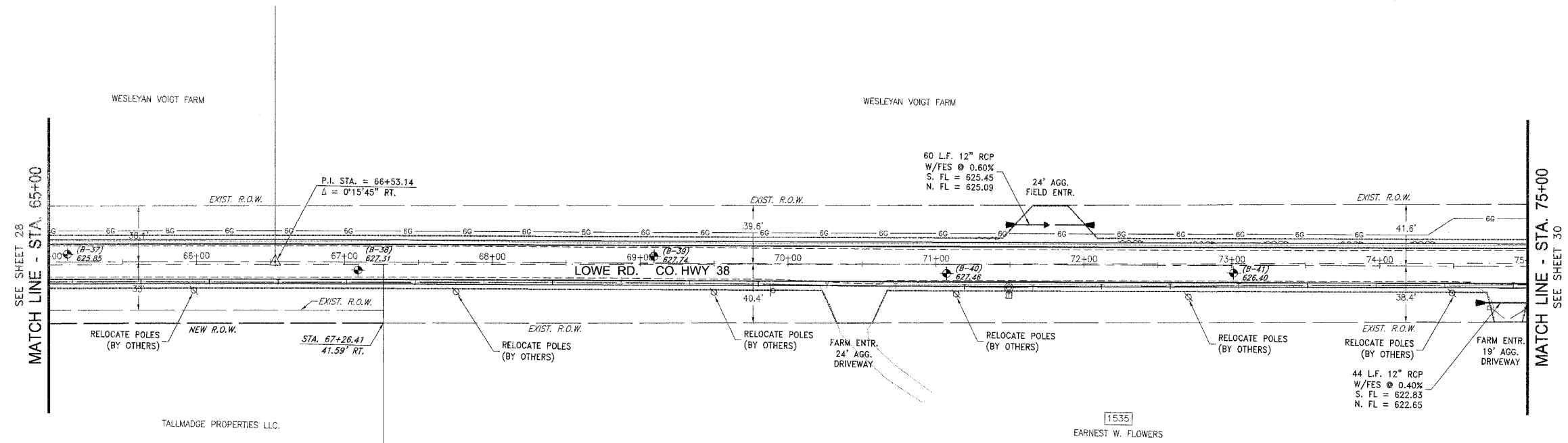
REVISIONS				
NO.	DATE	BY	DESCRIPTION	
3	10/24/06	MRG	PER IDOT REVIEW	
4	12/29/06	MRG	PER COUNTY REV	

LOWE ROAD  
 PLAN AND PROFILE  
 STA. 65+00 TO STA. 75+00

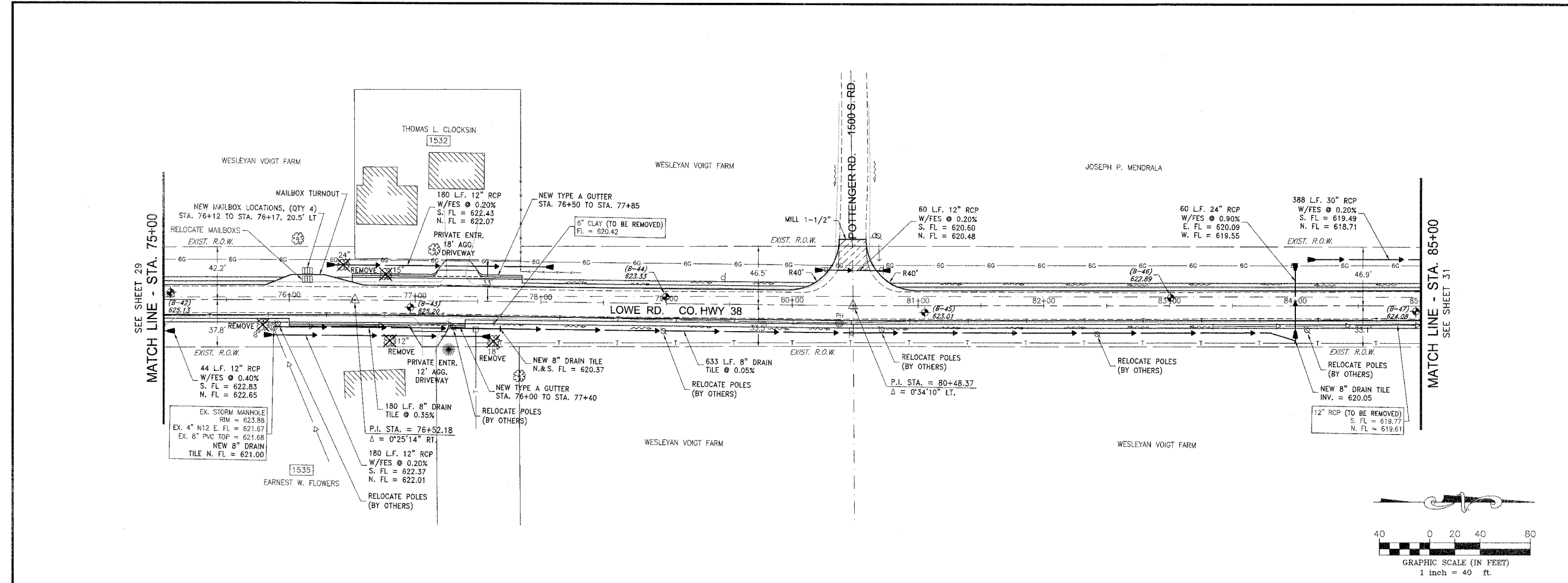
PROPOSED IMPROVEMENTS FOR  
**LOWE ROAD**  
 FROM IL-17 TO WALDRON ROAD  
**WALDRON ROAD**  
 FROM CORP. LIMITS TO DIVISION STREET

SECTION  
 02-00284-00-WR &  
 01-00017-00-FP

DATE: 07/10/06	JOB NO. E01015
SCALE: HORZ.: 1"=40' VERT.: 1"=4'	FILE NO.
DRAWN BY: MRG	SHEET
CHECKED BY: SRM	<b>27</b>
	83



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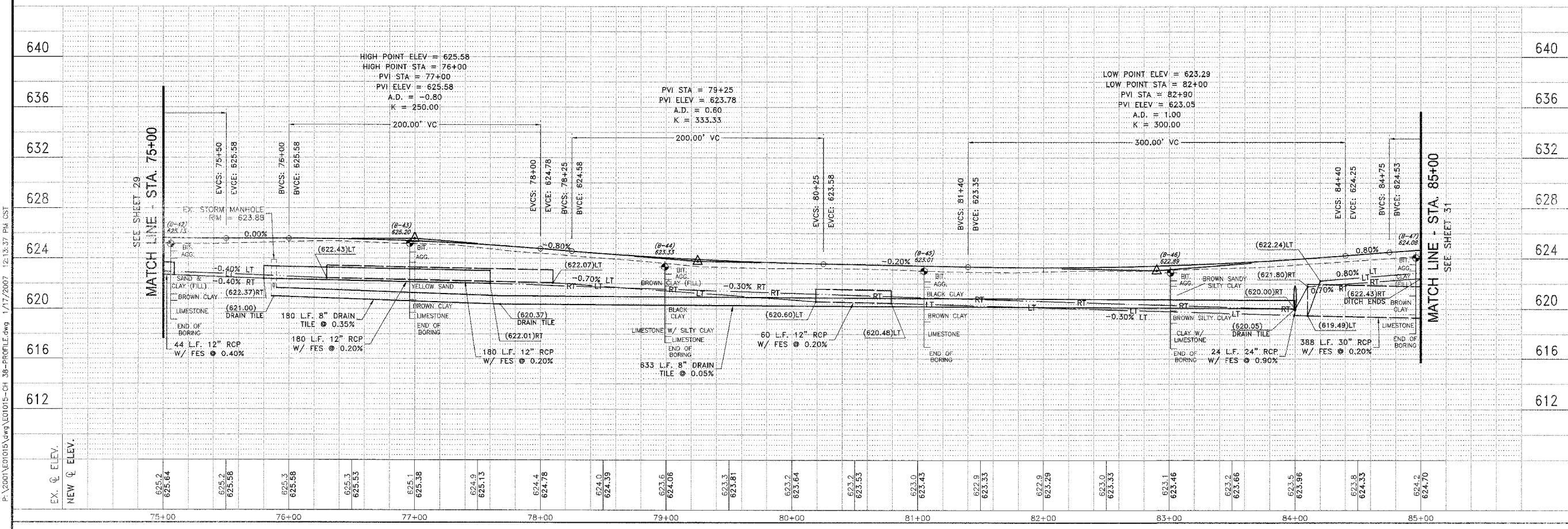
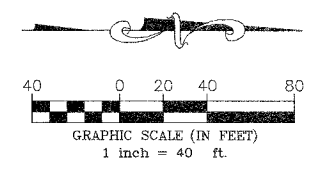


CONTRACT NO. 87314  
 FEDERAL ROAD DIST. NO. ILLINOIS  
 \* LOWE RD. FAU 6209/WALDRON RD. FAU 6194  
 \*\* 02-00284-00-WR & 01-00017-00-FP

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REVISIONS			
NO.	DATE	BY	DESCRIPTION
3	10/24/08	MRG	PER IDOT REVIEW
4	12/29/08	MRG	PER COUNTY REV



LOWE ROAD  
 PLAN AND PROFILE  
 STA. 75+00 TO STA. 85+00

PROJECT:  
**PROPOSED IMPROVEMENTS FOR  
 LOWE ROAD**  
 FROM IL-17 TO WALDRON ROAD  
**WALDRON ROAD**  
 FROM CORP. LIMITS TO DIVISION STREET

SECTION  
 02-00284-00-WR &  
 01-00017-00-FP

DATE: 07/10/06	JOB NO. E01015
SCALE: HORZ.: 1"=40' VERT.: 1"=4'	FILE NO.
DRAWN BY: MRG	SHEET 28
CHECKED BY: SRM	83

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FAU. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		KANKAKEE	83	29

CONTRACT NO. B7314  
 FED. ROAD DIST. NO. ILLINOIS  
 FED. AID PROJECT

\* LOWE RD. FAU 6209/WALDRON RD. FAU 6184  
 \*\* 02-00284-00-WR & 01-00017-00-FP

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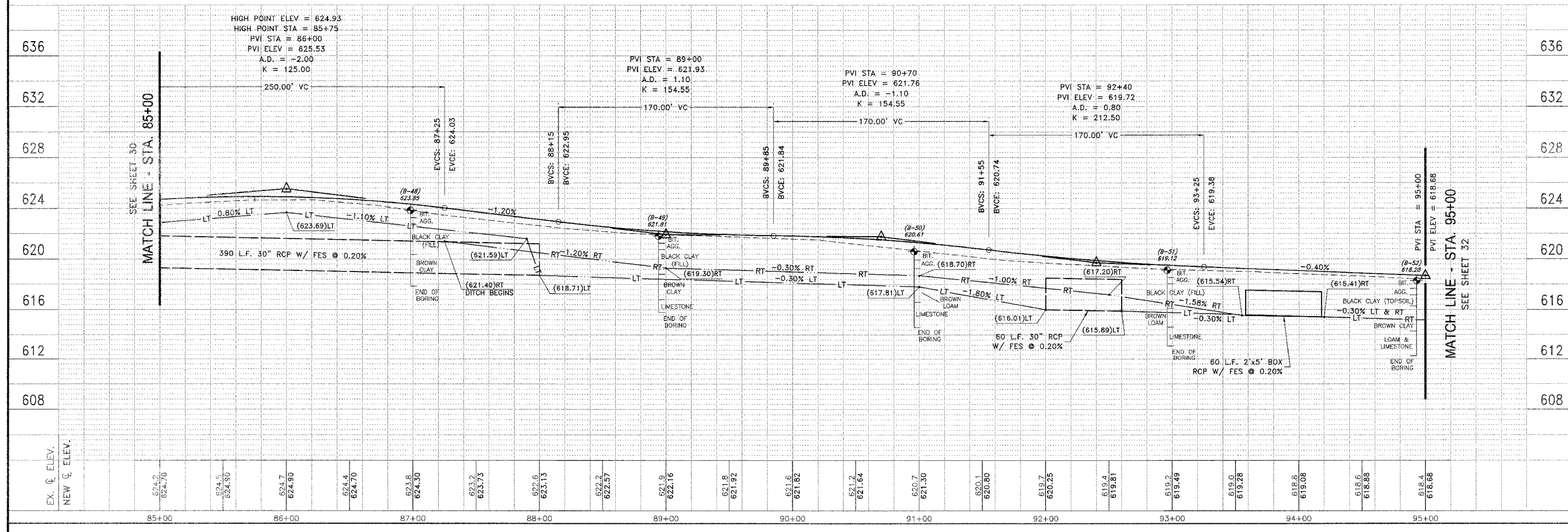
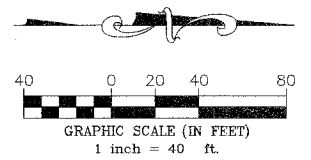
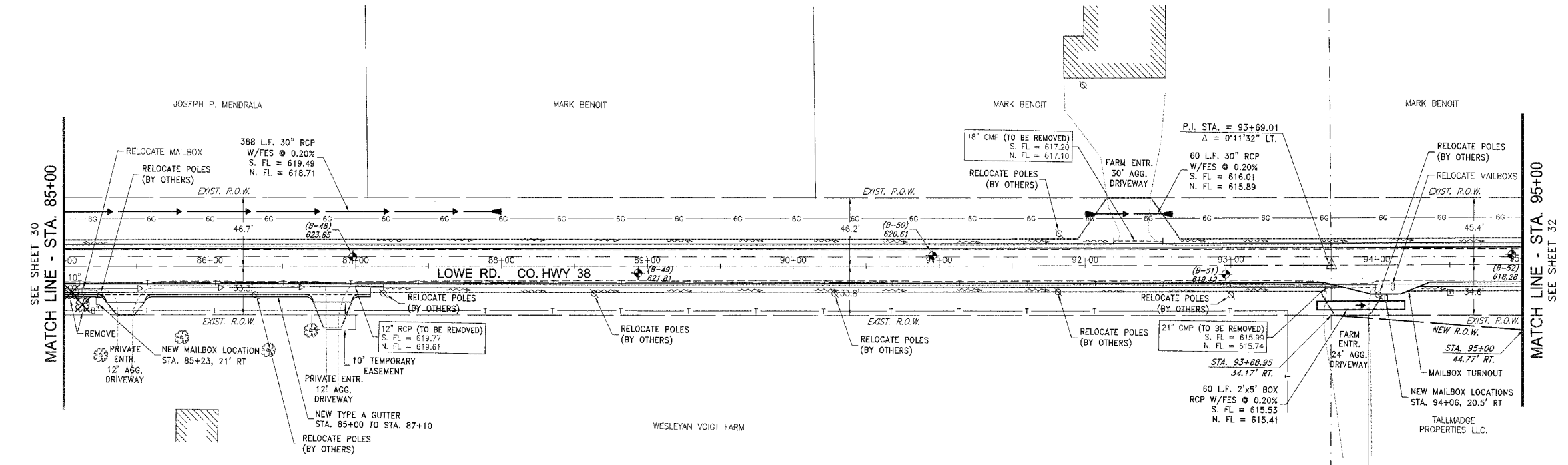
REVISIONS			
NO.	DATE	BY	DESCRIPTION
3	10/24/08	MRG	PER IDOT REVIEW
4	12/29/06	MRC	PER COUNTY REVIEW

**LOWE ROAD**  
 PLAN AND PROFILE  
 STA. 85+00 TO STA. 95+00

**PROPOSED IMPROVEMENTS FOR**  
**LOWE ROAD**  
 FROM IL-17 TO WALDRON ROAD  
**WALDRON ROAD**  
 FROM CORP. LIMITS TO DIVISION STREET

SECTION  
 02-00284-00-WR &  
 01-00017-00-FP

DATE: 07/10/06 JOB NO. E01015  
 SCALE: HORIZ.: 1"=40' FILE NO.  
 VERT.: 1"=4'  
 DRAWN BY: MRG SHEET  
 CHECKED BY: SRM 29  
 83



P.A.D. SHEET NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	**	KANKAKEE	83	30

CONTRACT NO. 87314  
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT  
 \* LOWE RD. FAU 6209/WALDRON RD. FAU 6184  
 \*\* 02-00284-00-WR & 01-00017-00-FP

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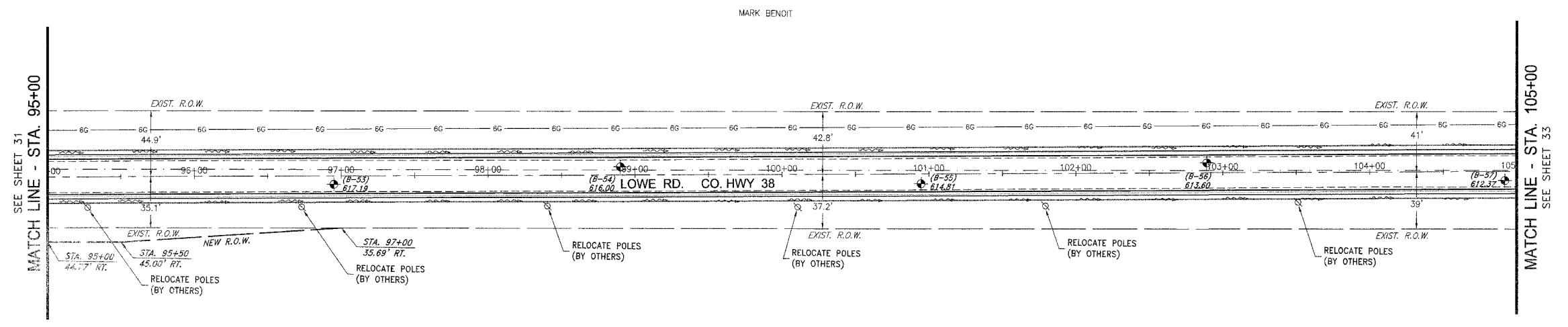
REVISIONS			
NO.	DATE	BY	DESCRIPTION
3	10/24/06	MRG	PER IDOT REVIEW
4	12/29/06	MRG	PER COUNTY REV

LOWE ROAD  
 PLAN AND PROFILE  
 STA. 95+00 TO STA. 105+00

PROPOSED IMPROVEMENTS FOR  
**LOWE ROAD**  
 FROM IL-17 TO WALDRON ROAD  
**WALDRON ROAD**  
 FROM CORP. LIMITS TO DIVISION STREET

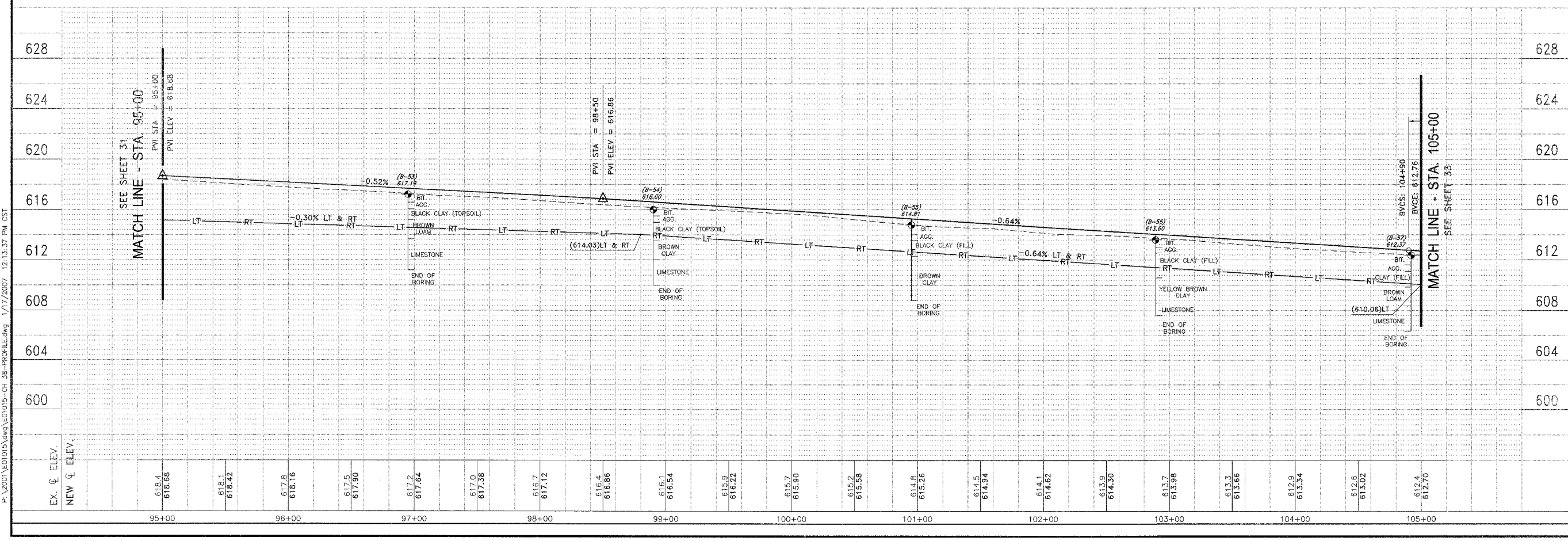
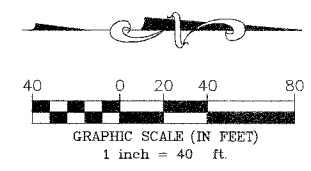
SECTION  
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 01-00017-00-FP

DATE: 07/10/06 JOB NO. E01015  
 SCALE: HORZ.: 1"=40' FILE NO.  
 VERT.: 1"=4'  
 DRAWN BY: MRG SHEET  
 CHECKED BY: SRM SHEET  
 30  
 83



MARK BENOIT

TALLMADGE PROPERTIES LLC.



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SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	KANKAKEE	83	31

CONTRACT NO. 87314  
 FED. ROAD DIST. NO. ILLINOIS  
 FED. AID PROJECT  
 \* LOWE RD, FAU 6209/WALDRON RD, FAU 6184  
 \*\* 02-00284-00-WR & 01-00017-00-FP

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 KANKAKEE, ILLINOIS 60901  
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REVISIONS			
NO.	DATE	BY	DESCRIPTION
3	10/24/06	MRG	PER IDOT REVIEW
4	12/29/06	MRG	PER COUNTY REV

LOWE ROAD  
 PLAN AND PROFILE  
 STA. 105+00 TO STA. 115+00

PROPOSED IMPROVEMENTS FOR  
**LOWE ROAD**  
 FROM IL-17 TO WALDRON ROAD  
**WALDRON ROAD**  
 FROM CORP. LIMITS TO DIVISION STREET

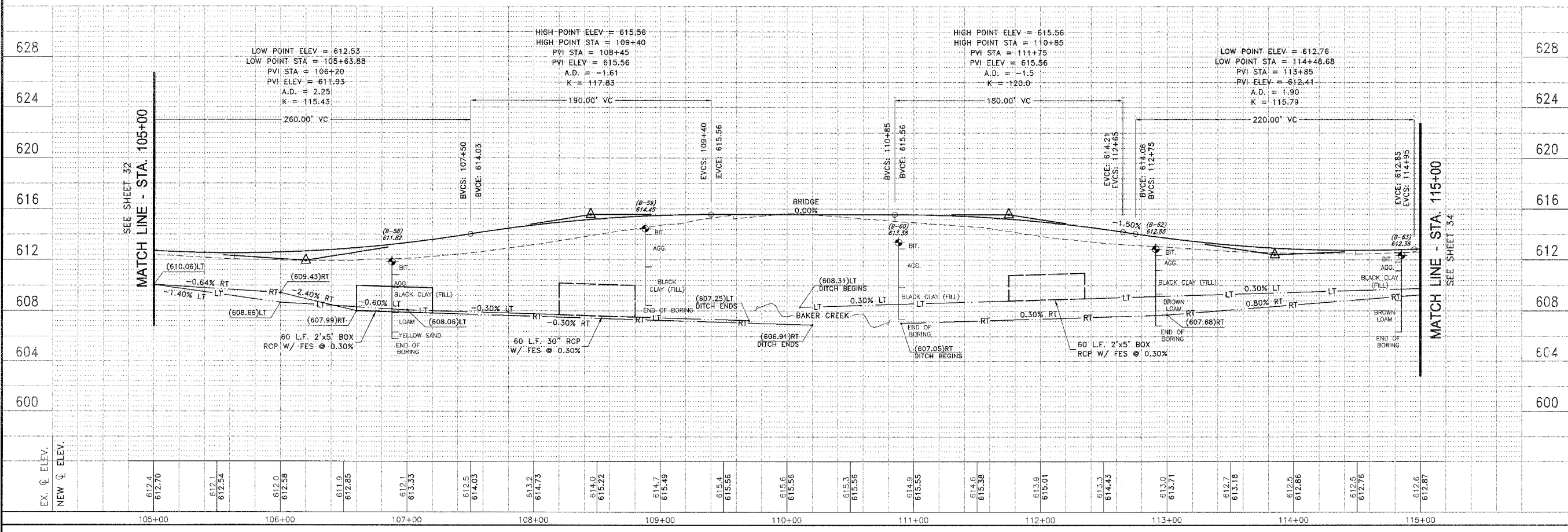
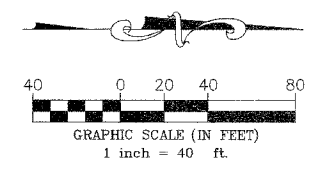
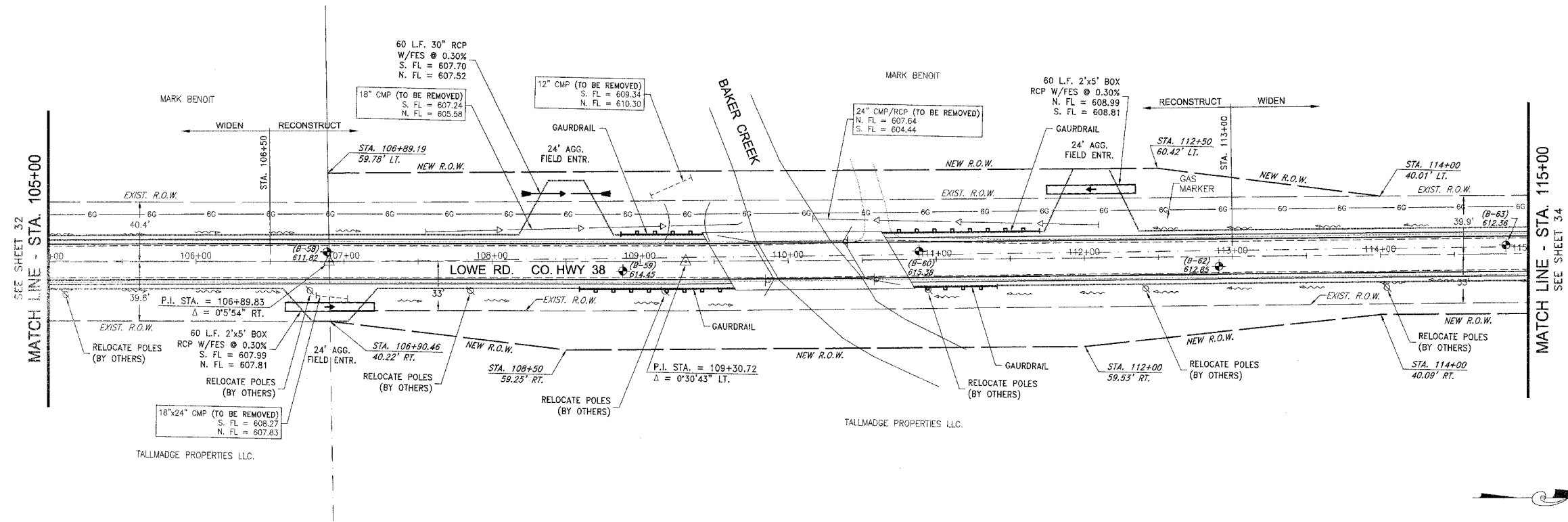
SECTION  
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 01-00017-00-FP

DATE: 07/10/06 JOB NO. E01015

SCALE: HORZ.: 1"=40' FILE NO.

DRAWN BY: MRG SHEET

CHECKED BY: SRM SHEET **31**



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SCALE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1"=40'	02-00284-00-WR	KANKAKEE	83	32

CONTRACT NO. 87314  
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT  
 \* LOWE RD. FAU 6209/WALDRON RD. FAU 6184  
 \* 02-00284-00-WR & 01-00017-00-FP

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 LAND SURVEYORS  
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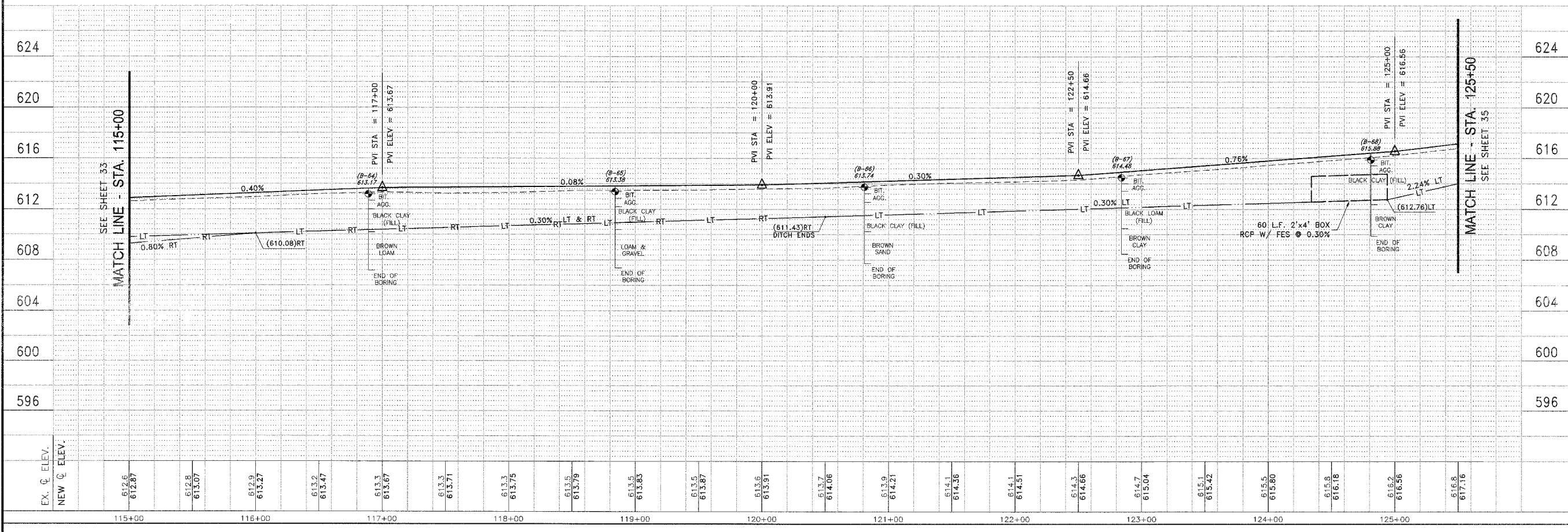
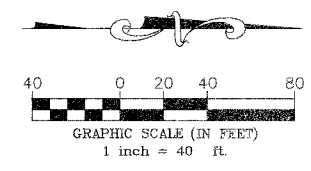
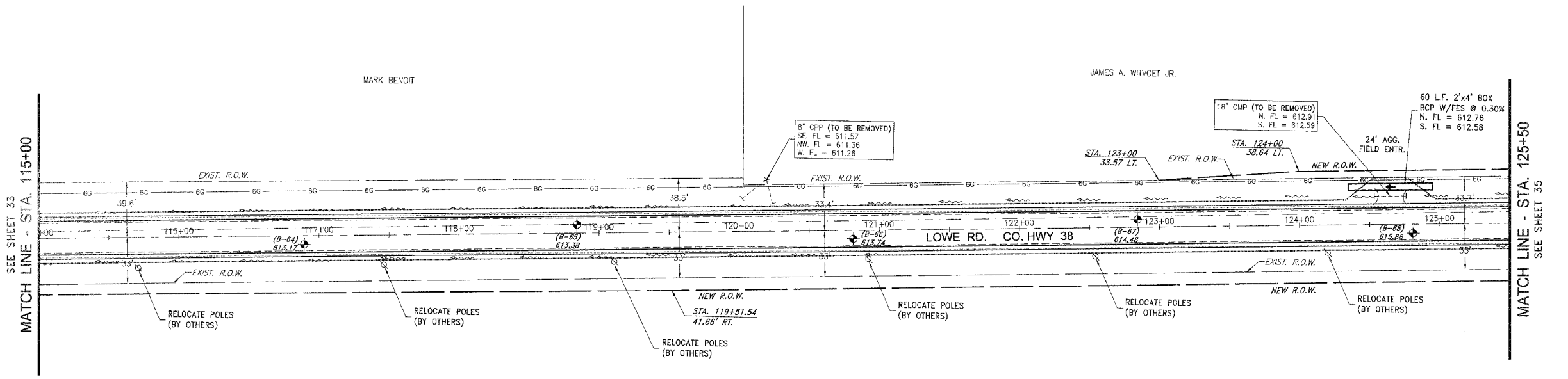
REVISIONS			
NO.	DATE	BY	DESCRIPTION
3	10/24/06	MRG	PER IDOT REVIEW
4	12/29/06	MRG	PER COUNTY REV

LOWE ROAD  
 PLAN AND PROFILE  
 STA. 115+00 TO STA. 125+50

PROPOSED IMPROVEMENTS FOR  
**LOWE ROAD**  
 FROM IL-17 TO WALDRON ROAD  
**WALDRON ROAD**  
 FROM CORP. LIMITS TO DIVISION STREET

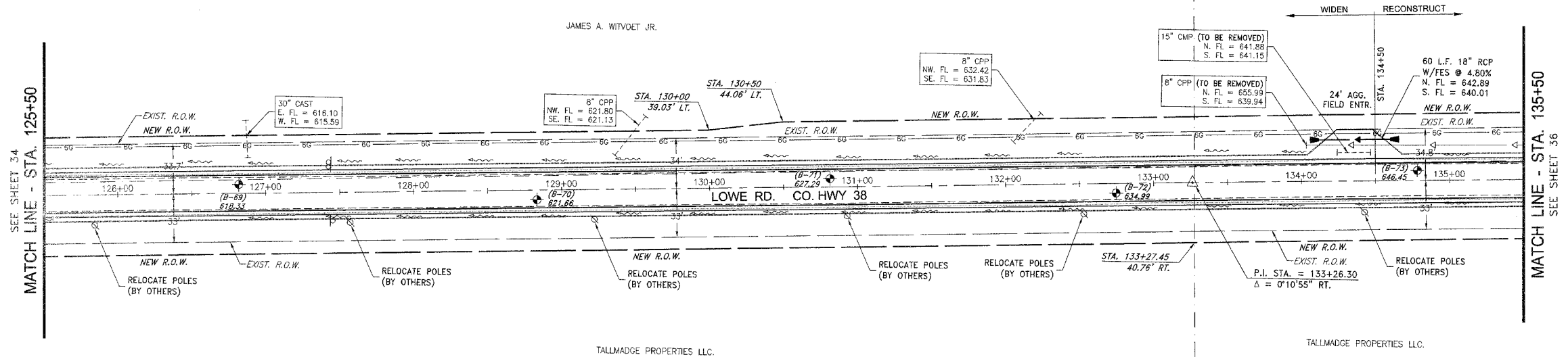
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 02-00284-00-WR &  
 01-00017-00-FP

DATE: 07/10/06	JOB NO. E01015
SCALE: HORIZ.: 1"=40' VERT.: 1"=4'	FILE NO.
DRAWN BY: MRG	SHEET 32
CHECKED BY: SRM	83



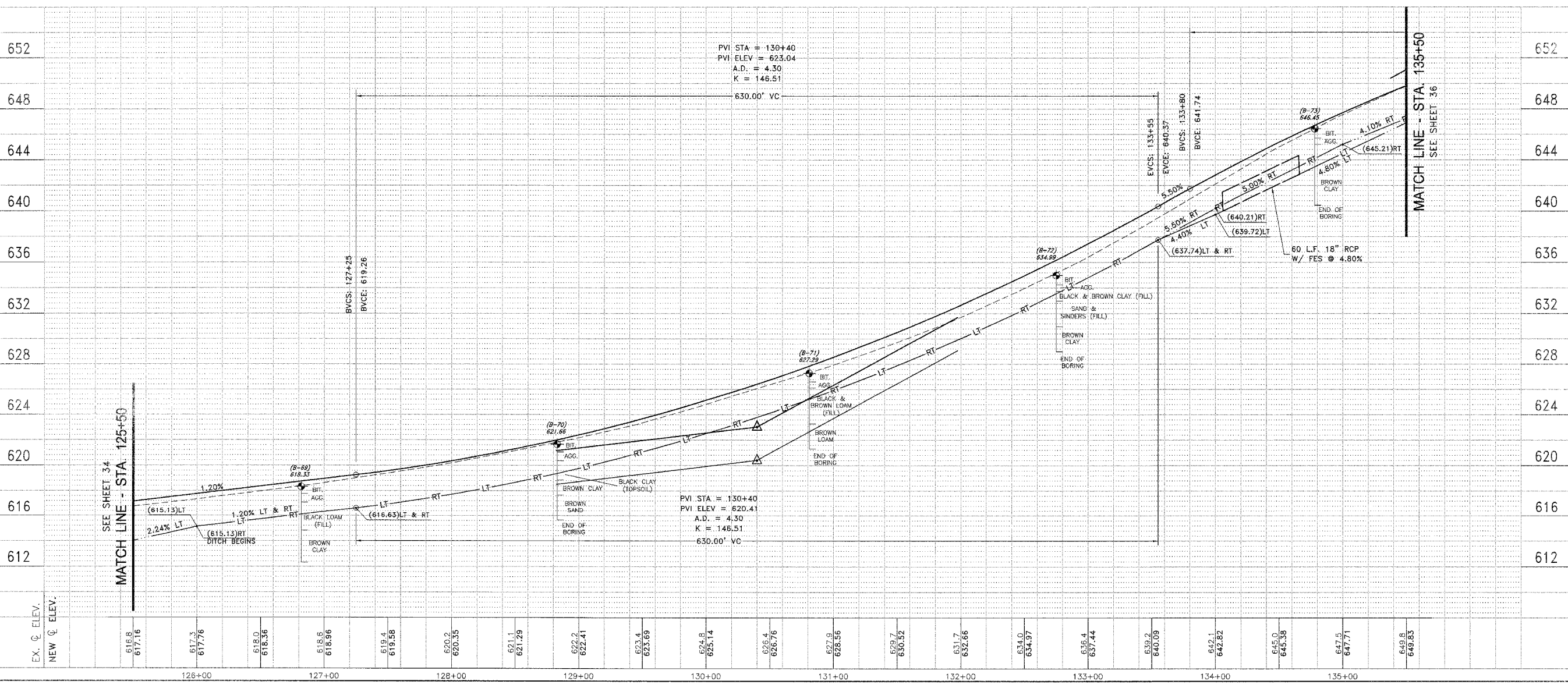
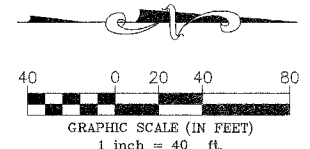


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TALLMADGE PROPERTIES LLC.

TALLMADGE PROPERTIES LLC.



PAV. R/W	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	83	33

CONTRACT NO. 87314  
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT  
 \* LOWE RD. FAU 6209/WALDRON RD. FAU 6184  
 \*\* 02-00284-00-WR & 01-00017-00-FP

**TYSON ENGINEERING, INC.**  
 CONSULTING CIVIL ENGINEERS  
 LAND SURVEYORS  
 DESIGN FIRM LICENSE #164-001136  
 367 SOUTH SCHUYLER AVENUE  
 KANKAKEE, ILLINOIS 60901  
 PHONE (815) 932-7406

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REVISIONS			
NO.	DATE	BY	DESCRIPTION
3	10/24/06	MRG	PER IDOT REVIEW
4	12/29/06	MRG	PER COUNTY REV

LOWE ROAD  
 PLAN AND PROFILE  
 STA. 125+50 TO STA. 135+50

PROPOSED IMPROVEMENTS FOR  
**LOWE ROAD**  
 FROM IL-17 TO WALDRON ROAD  
**WALDRON ROAD**  
 FROM CORP. LIMITS TO DIVISION STREET

SECTION  
 02-00284-00-WR &  
 01-00017-00-FP

DATE: 07/10/06	JOB NO. E01015
SCALE: HORIZ.: 1"=40' VERT.: 1"=4'	FILE NO.
DRAWN BY: MRG	SHEET
CHECKED BY: SRM	<b>33</b>
	83

**TYSON ENGINEERING, INC.**  
 CONSULTING CIVIL ENGINEERS  
 LAND SURVEYORS  
 DESIGN FIRM LICENSE #184-001136  
 367 SOUTH SCHUYLER AVENUE  
 KANKAKEE, ILLINOIS 60901  
 PHONE (815) 932-7406

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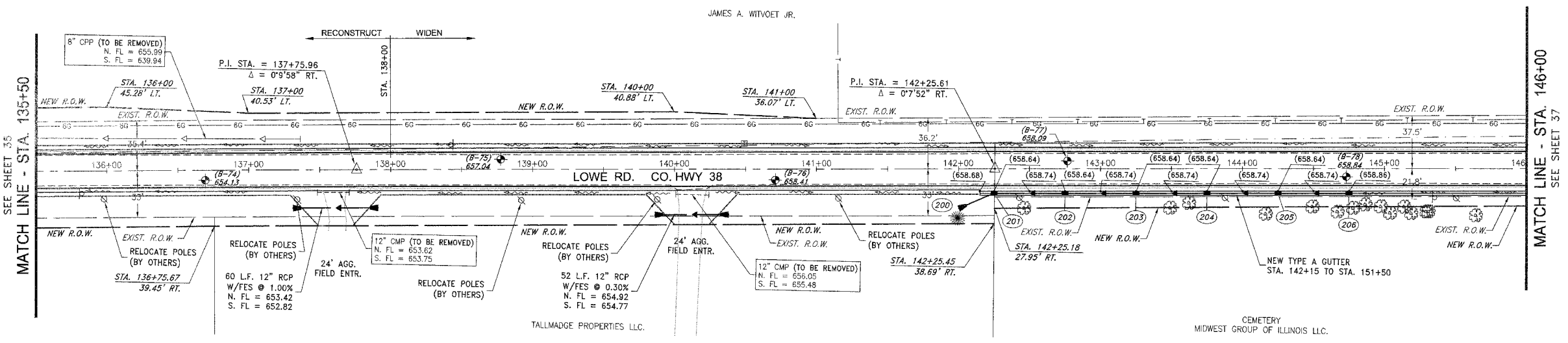
REVISIONS			
NO.	DATE	BY	DESCRIPTION
3	10/24/06	MRG	PER IDOT REVIEW
4	12/29/06	MRG	PER COUNTY REVIEW

LOWE ROAD  
 PLAN AND PROFILE  
 STA. 135+50 TO STA. 146+00

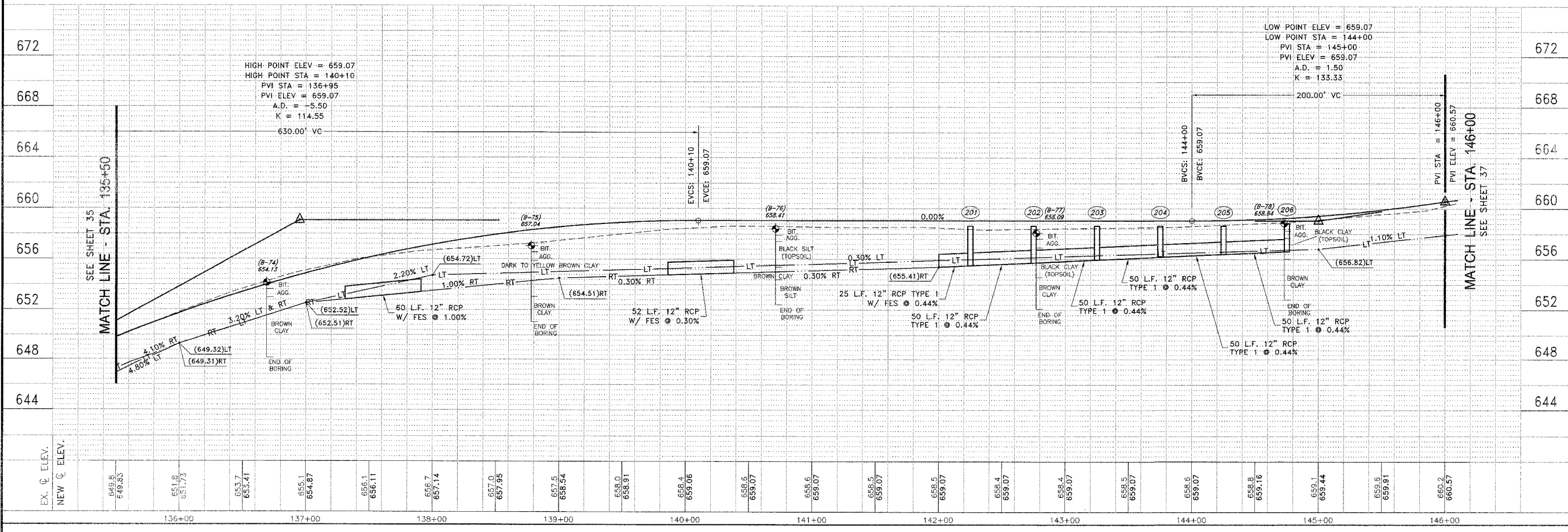
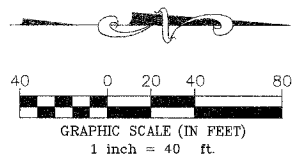
PROPOSED IMPROVEMENTS FOR  
**LOWE ROAD**  
 FROM IL-17 TO WALDRON ROAD  
**WALDRON ROAD**  
 FROM CORP. LIMITS TO DIVISION STREET

SECTION  
 02-00284-00-WR &  
 01-00017-00-FP


DATE: 07/10/06 JOB NO. E01015  
 SCALE: HORZ.: 1"=40' FILE NO.  
 VERT.: 1"=4'  
 DRAWN BY: MRG SHEET  
 CHECKED BY: SRM SHEET  
**34**  
 83

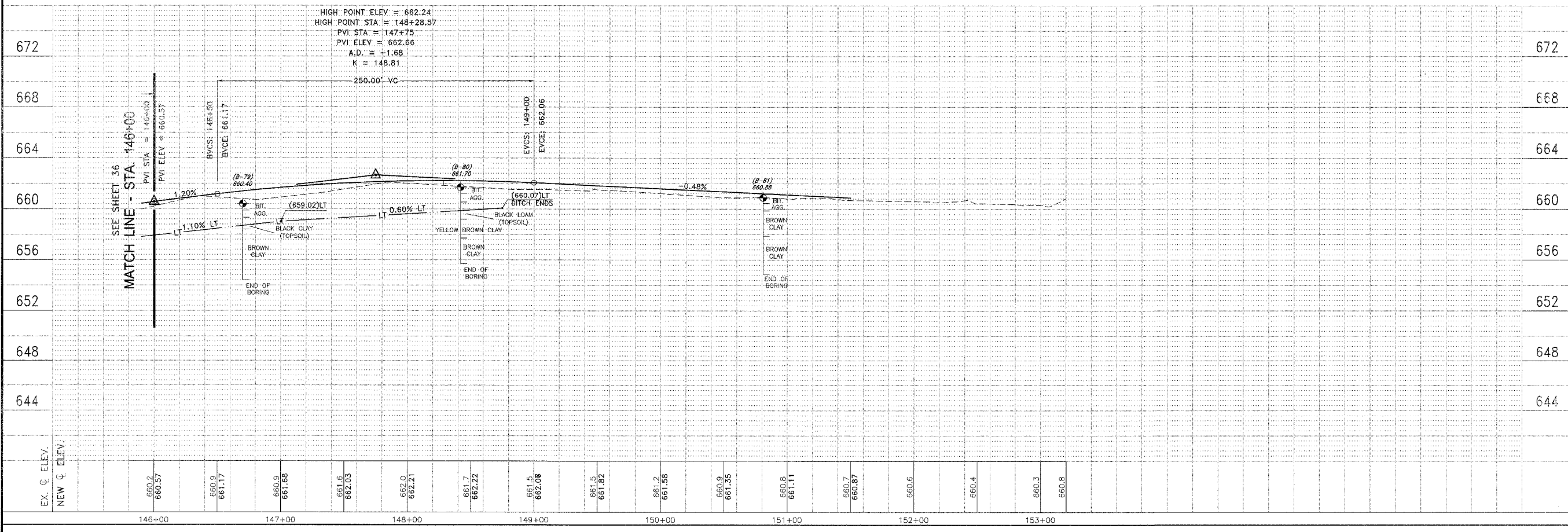
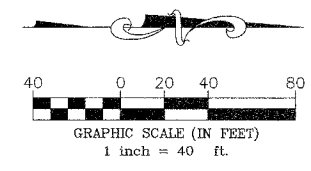
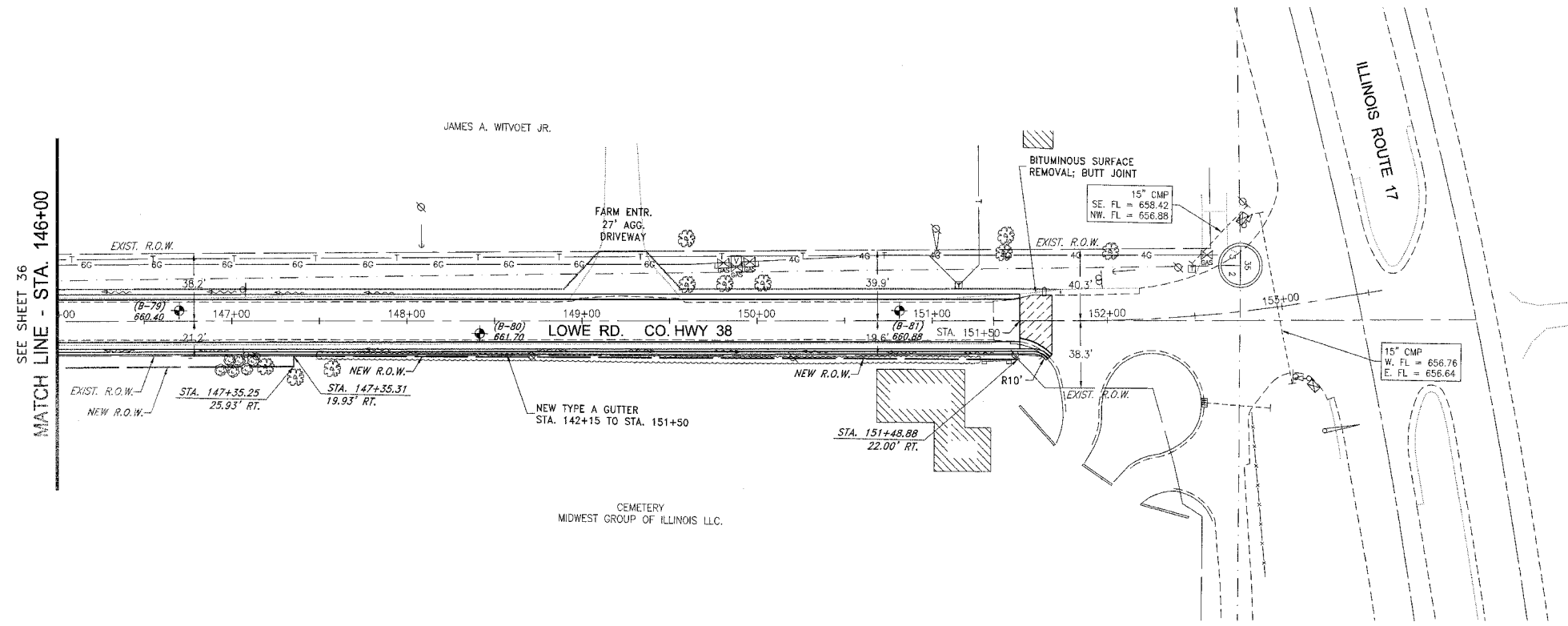


STORM SEWER STRUCTURE SCHEDULE			
200)	STA: 142+00	28' RT	2' DIA. TYPE A INLET, TYPE 9 FRAME & GRATE
		12" FES	EOP = 655.41
		200-201: 25 L.F. 12" RCP @ 0.44%	12" N. FL IN = 656.18
			12" S. FL OUT = 656.18
201)	STA: 142+25	17.5' RT	2' DIA. TYPE A INLET, TYPE 9 FRAME & GRATE
		12" N. FL IN = 658.64	EOP = 658.64
		12" S. FL OUT = 655.52	12" N. FL IN = 655.52
		201-202: 50 L.F. 12" RCP @ 0.44%	12" S. FL OUT = 656.18
202)	STA: 142+75	17.5' RT	2' DIA. TYPE A INLET, TYPE 9 FRAME & GRATE
		12" N. FL IN = 658.64	EOP = 658.64
		12" S. FL OUT = 655.74	12" N. FL IN = 655.74
		202-203: 50 L.F. 12" RCP @ 0.44%	12" S. FL OUT = 655.74
203)	STA: 143+25	17.5' RT	2' DIA. TYPE A INLET, TYPE 9 FRAME & GRATE
		12" N. FL IN = 658.64	EOP = 658.64
		12" S. FL OUT = 655.96	12" N. FL IN = 655.96
		203-204: 50 L.F. 12" RCP @ 0.44%	12" S. FL OUT = 655.96
204)	STA: 143+75	17.5' RT	2' DIA. TYPE A INLET, TYPE 9 FRAME & GRATE
		12" N. FL IN = 658.64	EOP = 658.64
		12" S. FL OUT = 656.18	12" N. FL IN = 656.18
		204-205: 50 L.F. 12" RCP @ 0.44%	12" S. FL OUT = 656.18
205)	STA: 144+25	17.5' RT	2' DIA. TYPE A INLET, TYPE 9 FRAME & GRATE
		12" N. FL IN = 658.64	EOP = 658.64
		12" S. FL OUT = 656.40	12" N. FL IN = 656.40
		205-206: 50 L.F. 12" RCP @ 0.44%	12" S. FL OUT = 656.40
206)	STA: 144+75	17.5' RT	2' DIA. TYPE A INLET, TYPE 9 FRAME & GRATE
		12" N. FL IN = 658.64	EOP = 658.64
		12" S. FL OUT = 656.62	12" N. FL IN = 656.62



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PLAN	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
83	83	KANKAKEE	83	35
CONTRACT NO. 87314				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
LOWE RD. FAU 8209/WALDRON RD. FAU 6184				
02-00284-00-WR & 01-00017-00-FP				
 <b>TYSON ENGINEERING, INC.</b> CONSULTING CIVIL ENGINEERS LAND SURVEYORS DESIGN FIRM LICENSE #184-001136 367 SOUTH SCHUYLER AVENUE KANKAKEE, ILLINOIS 60901 PHONE (815) 932-7406				
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REVISIONS				
NO.	DATE	BY	DESCRIPTION	
3	10/24/06	MRC	PER IDOT REVIEW	
4	12/29/06	MRC	PER COUNTY REV	
LOWE ROAD PLAN AND PROFILE STA. 146+00 TO STA. 151+50				
<b>PROPOSED IMPROVEMENTS FOR</b> <b>LOWE ROAD</b> FROM IL-17 TO WALDRON ROAD <b>WALDRON ROAD</b> FROM CORP. LIMITS TO DIVISION STREET				
SECTION 02-00284-00-WR & 01-00017-00-FP				
DATE:	07/10/06	JOB NO.	E01015	
SCALE:	HORIZ.: 1"=40'	FILE NO.		
	VERT.: 1"=4'			
DRAWN BY:	MRC	SHEET		
CHECKED BY:	SRM	<b>35</b>		
		83		



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FAU. RITE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	83	36

CONTRACT NO. 87314

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

\* LOWE RD. FAU 6209/WALDRON RD. FAU 6184

\*\* 02-00284-00-WR & 01-00017-00-FP

**TYSON ENGINEERING, INC.**  
 CONSULTING CIVIL ENGINEERS  
 LAND SURVEYORS  
 DESIGN FIRM LICENSE #184-001136  
 367 SOUTH SCHUYLER AVENUE  
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REVISIONS			
NO.	DATE	BY	DESCRIPTION
3	10/24/06	MRG	PER IDOT REVIEW
4	12/29/06	MRG	PER COUNTY REV

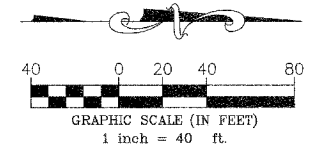
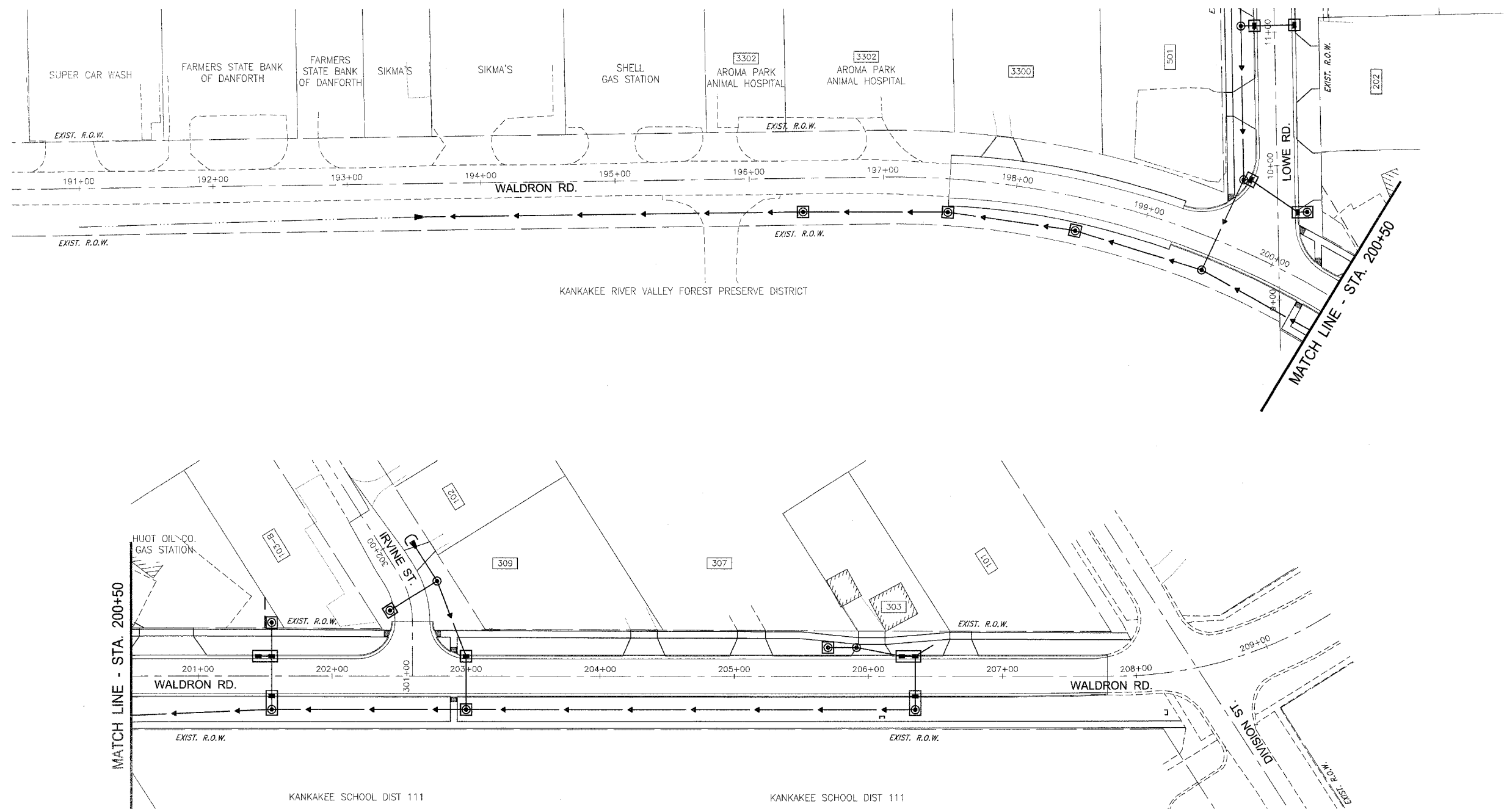
WALDRON ROAD  
 EROSION CONTROL  
 STA. 186+00 TO STA. 209+00

PROPOSED IMPROVEMENTS FOR  
**LOWE ROAD**  
 FROM IL-17 TO WALDRON ROAD  
**WALDRON ROAD**  
 FROM CORP. LIMITS TO DIVISION STREET

SECTION 02-00284-00-WR & 01-00017-00-FP	
DATE: 07/10/06	JOB NO. E01015
SCALE: HORZ.: 1"=40' VERT.: N/A	FILE NO.
DRAWN BY: MRG	SHEET
CHECKED BY: SRM	<b>36</b>
	83

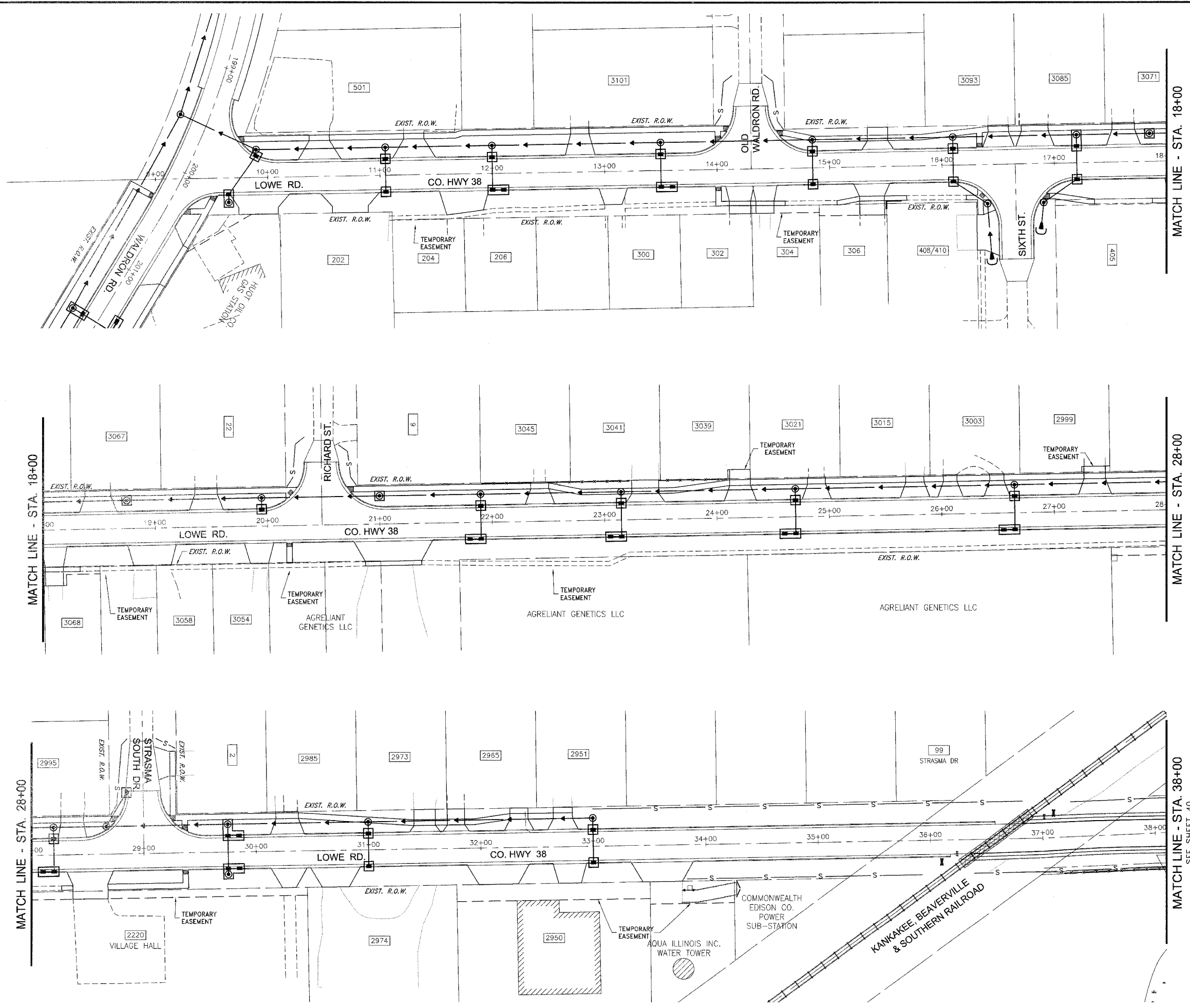
**EROSION CONTROL LEGEND**

- NEW INLET
- ⊙ NEW MANHOLE
- ▼ NEW FLARED END SECTION
- INLET AND PIPE PROTECTION
- C CULVERT INLET PROTECTION
- ▨ STRAW BALE DITCH CHECK
- S PERIMETER EROSION BARRIER
- ▨ RIP-RAP
- ▨ GEOTEXTILE EROSION CONTROL FABRIC



P:\2001\E01015\dwg\E01015-AROMA PARK.dwg 1/17/2007 10:06:16 AM CST

PA:2001E01015.dwg E:\01015-AROMA PARK.dwg 1/17/2007 10:08:16 AM CST



**EROSION CONTROL LEGEND**

- NEW INLET
- NEW MANHOLE
- ▼ NEW FLARED END SECTION
- INLET AND PIPE PROTECTION
- C CULVERT INLET PROTECTION
- ▨ STRAW BALE DITCH CHECK
- S PERIMETER EROSION BARRIER
- ▨ RIP-RAP
- ▨ GEOTEXTILE EROSION CONTROL FABRIC

CONTRACT NO. 87314  
 FEDERAL AID PROJECT  
 \* LOWE RD. FAU 6209/WALDRON RD. FAU 6184  
 \*\* 02-00284-00-WR & 01-00017-00-PP

**TYSON ENGINEERING, INC.**  
 CONSULTING CIVIL ENGINEERS  
 LAND SURVEYORS  
 DESIGN FIRM LICENSE #184-001136  
 367 SOUTH SCHUYLER AVENUE  
 KANKAKEE, ILLINOIS 60901  
 PHONE (815) 932-7406

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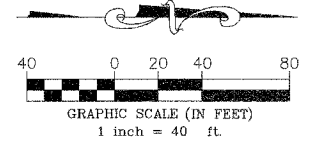
NO.	DATE	BY	DESCRIPTION
3	10/24/06	MRG	PER IDOT REVIEW
4	12/29/06	MRG	PER COUNTY REV

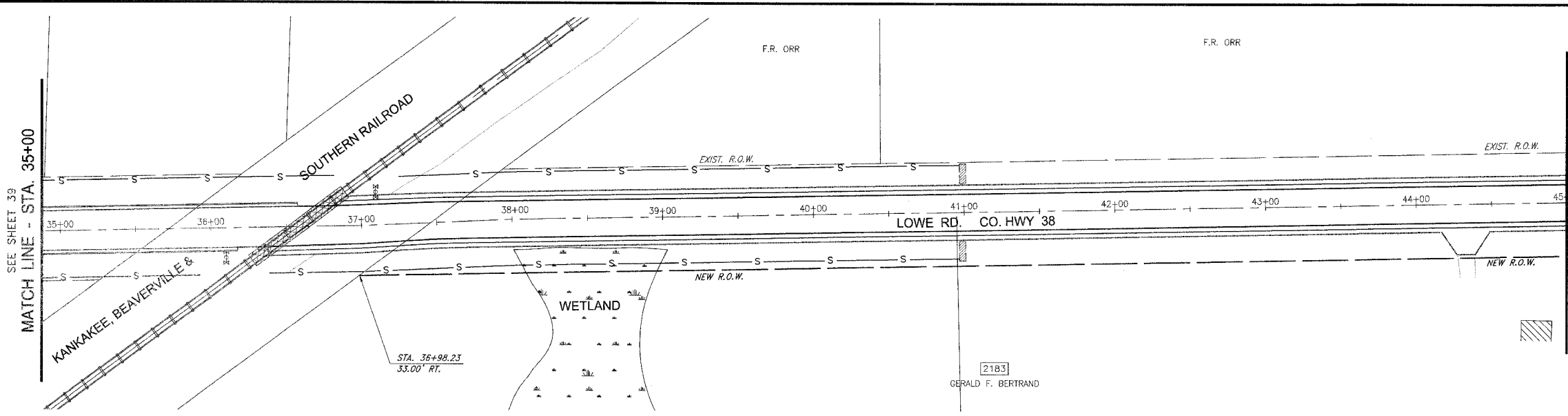
LOWE ROAD  
 EROSION CONTROL  
 STA. 9+00 TO STA. 38+00

PROJECT:  
**PROPOSED IMPROVEMENTS FOR  
 LOWE ROAD  
 FROM IL-17 TO WALDRON ROAD  
 WALDRON ROAD  
 FROM CORP. LIMITS TO DIVISION STREET**

SECTION  
 02-00284-00-WR &  
 01-00017-00-PP

DATE: 07/10/06	JOB NO. E01015
SCALE: HORIZ.: 1"=40' VERT.: N/A	FILE NO.
DRAWN BY: MRG	SHEET
CHECKED BY: SRM	<b>37</b>
	83

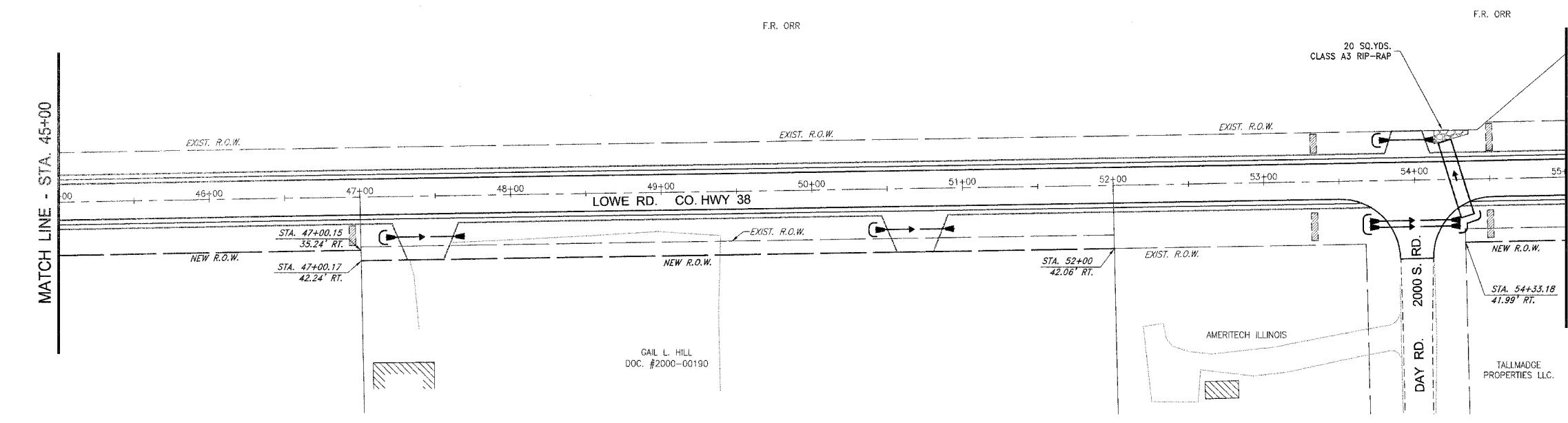




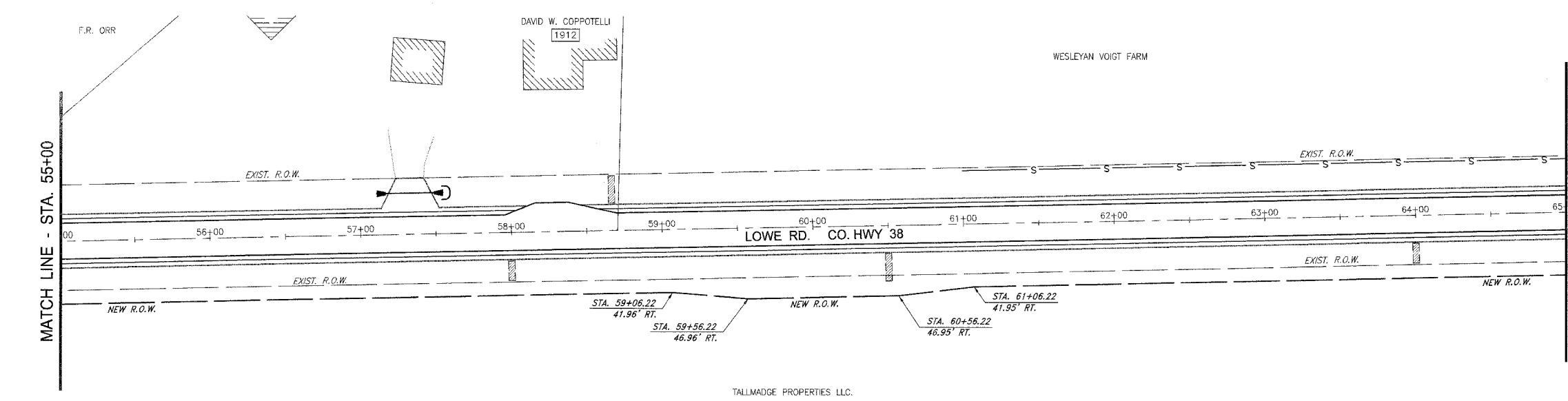
**EROSION CONTROL LEGEND**

- NEW INLET
- NEW MANHOLE
- ▴ NEW FLARED END SECTION
- INLET AND PIPE PROTECTION
- CULVERT INLET PROTECTION
- ▨ STRAW BALE DITCH CHECK
- PERIMETER EROSION BARRIER
- ▨ RIP-RAP
- ▨ GEOTEXTILE EROSION CONTROL FABRIC

MATCH LINE - STA. 45+00



MATCH LINE - STA. 55+00



MATCH LINE - STA. 65+00  
SEE SHEET 41

FAU. DIST.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	**	KANKAKEE	83	38

CONTRACT NO. 87314  
 ILLINOIS FED. AID PROJECT  
 \* LOWE RD. FAU 6209/WALDRON RD. FAU 6184  
 \*\* 02-00284-00-WR & 01-00017-00-FP

**TYSON ENGINEERING, INC.**  
 CONSULTING CIVIL ENGINEERS  
 LAND SURVEYORS  
 DESIGN FIRM LICENSE #184-001136  
 367 SOUTH SCHUYLER AVENUE  
 KANKAKEE, ILLINOIS 60901  
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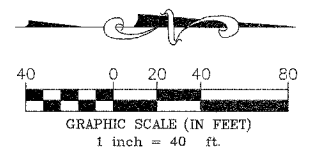
NO.	DATE	BY	DESCRIPTION
3	10/24/06	MRG	PER IDOT REVIEW
4	12/29/06	MRG	PER COUNTY REV

LOWE ROAD  
 EROSION CONTROL  
 STA. 35+00 TO STA. 65+00

PROPOSED IMPROVEMENTS FOR  
**LOWE ROAD**  
 FROM IL-17 TO WALDRON ROAD  
**WALDRON ROAD**  
 FROM CORP. LIMITS TO DIVISION STREET

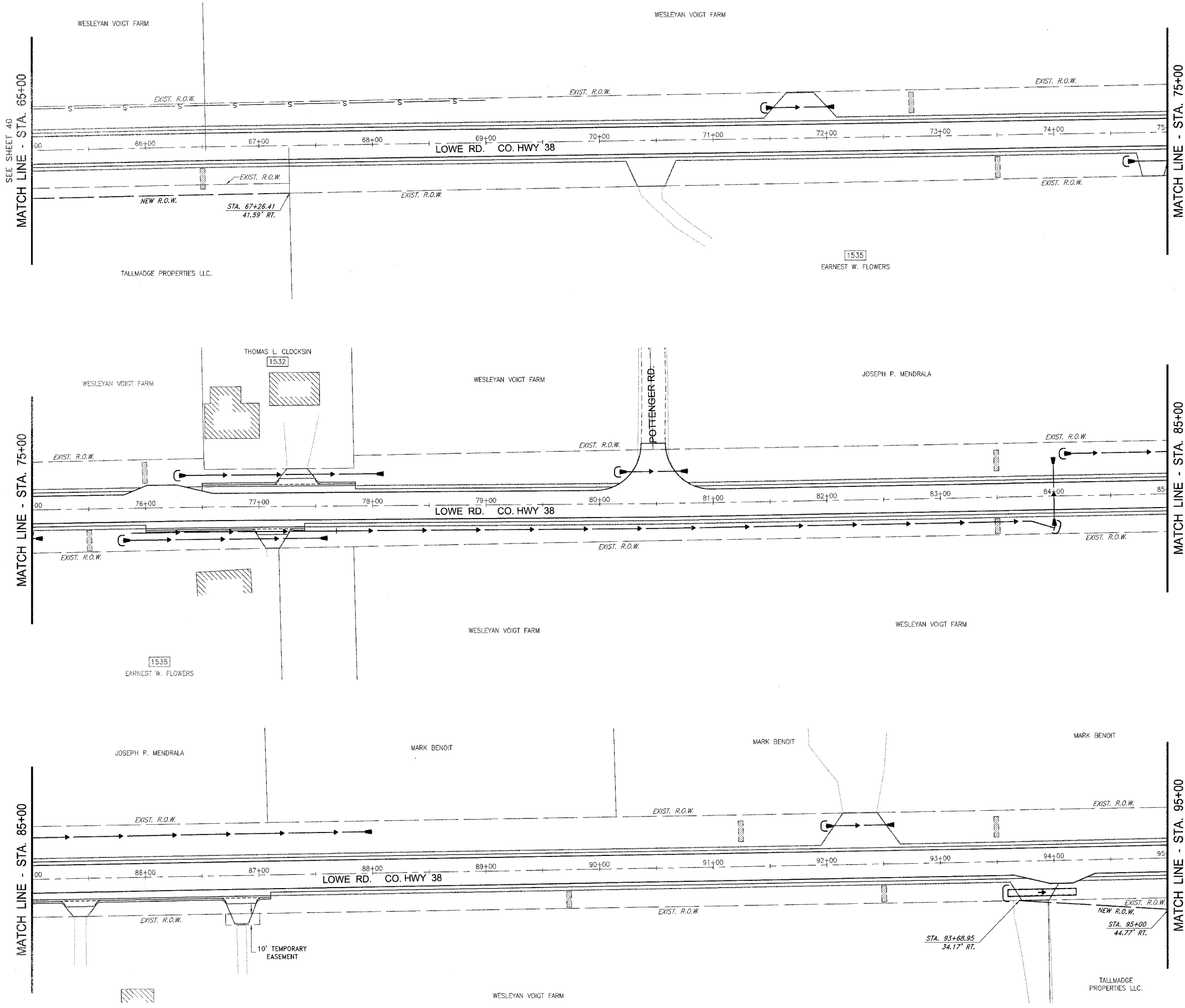
SECTION  
 02-00284-00-WR &  
 01-00017-00-FP

DATE: 07/10/06	JOB NO. E01015
SCALE: HORZ.: 1"=40' VERT.: N/A	FILE NO.
DRAWN BY: MRG	SHEET
CHECKED BY: SRM	<b>38</b>
	83



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**EROSION CONTROL LEGEND**

- NEW INLET
- NEW MAN-HOLE
- ▭ NEW FLARED END SECTION
- INLET AND PIPE PROTECTION
- CULVERT INLET PROTECTION
- ▨ STRAW BALE DITCH CHECK
- PERIMETER EROSION BARRIER
- ▨ RIP-RAP
- ▨ GEOTEXTILE EROSION CONTROL FABRIC

FAU NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	83	39

CONTRACT NO. 87314  
 FED. ROAD DIST. NO. ILLINOIS  
 \* LOWE RD. FAU 6209/WALDRON RD. FAU 6184  
 \*\* 02-00284-00-WR & 01-00017-00-FP

**TYSON ENGINEERING, INC.**  
 CONSULTING CIVIL ENGINEERS  
 LAND SURVEYORS  
 DESIGN FIRM LICENSE #184-001136  
 367 SOUTH SCHUYLER AVENUE  
 KANKAKEE, ILLINOIS 60901  
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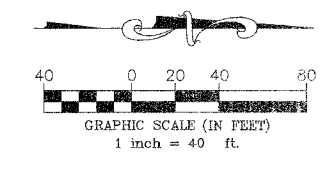
NO.	DATE	BY	DESCRIPTION
3	10/24/06	MRG	PER IDOT REVIEW
4	12/29/06	MRG	PER COUNTY REV

LOWE ROAD  
 EROSION CONTROL  
 STA. 65+00 TO STA. 95+00

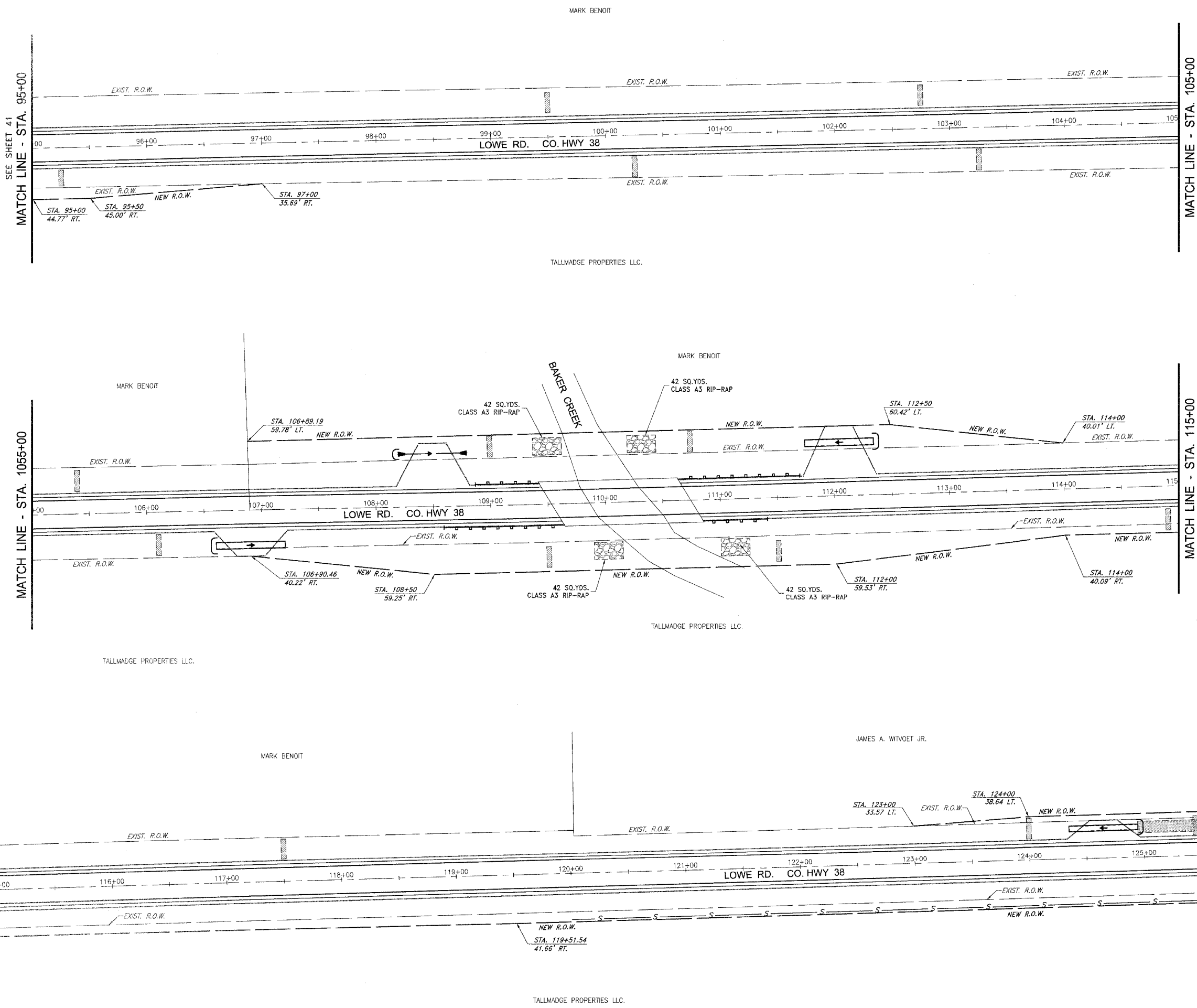
PROPOSED IMPROVEMENTS FOR  
**LOWE ROAD**  
 FROM IL-17 TO WALDRON ROAD  
**WALDRON ROAD**  
 FROM CORP. LIMITS TO DIVISION STREET

**SECTION**  
 02-00284-00-WR &  
 01-00017-00-FP

DATE: 07/10/06	JOB NO. E01015
SCALE: HORZ.: 1"=40' VERT.: N/A	FILE NO.
DRAWN BY: MRG	SHEET
CHECKED BY: SRM	<b>39</b>
	83



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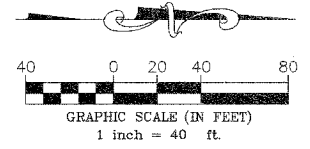
**EROSION CONTROL LEGEND**

- NEW INLET
- NEW MANHOLE
- ▤ NEW FLARED END SECTION
- INLET AND PIPE PROTECTION
- CULVERT INLET PROTECTION
- ▨ STRAW BALE DITCH CHECK
- S — PERIMETER EROSION BARRIER
- ▩ RIP-RAP
- ▨ GEOTEXTILE EROSION CONTROL FABRIC

MATCH LINE - STA. 105+00

MATCH LINE - STA. 115+00

MATCH LINE - STA. 125+50  
SEE SHEET 43



SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
02-00284-00-WR	KANKAKEE	83	40

CONTRACT NO. 87314  
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT  
 \* LOWE RD. FAU 6209/WALDRON RD. FAU 6184  
 \*\* 02-00284-00-WR & 01-00017-00-FP

**TYSON ENGINEERING, INC.**

CONSULTING CIVIL ENGINEERS  
 LAND SURVEYORS  
 DESIGN FIRM LICENSE # 04-001136

367 SOUTH SCHUYLER AVENUE  
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**REVISIONS**

NO.	DATE	BY	DESCRIPTION
3	10/24/06	MRG	PER IDOT REVIEW
4	12/29/06	MRG	PER COUNTY REV

LOWE ROAD  
 EROSION CONTROL  
 STA. 95+00 TO STA. 125+50

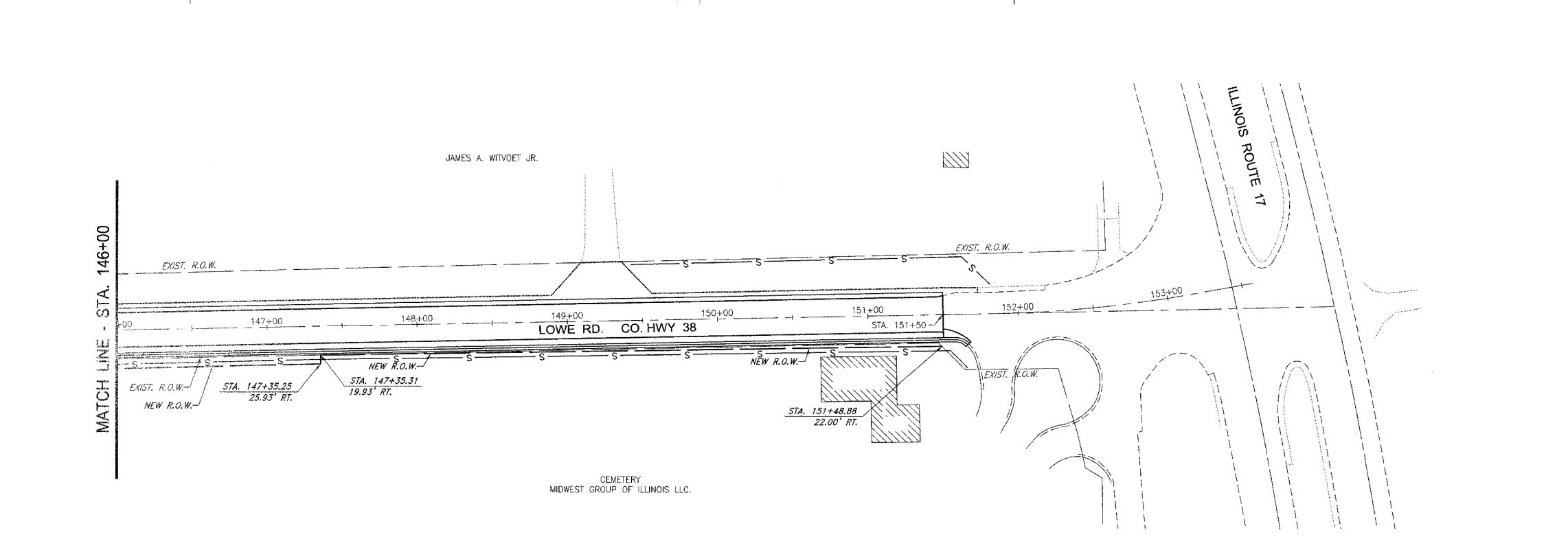
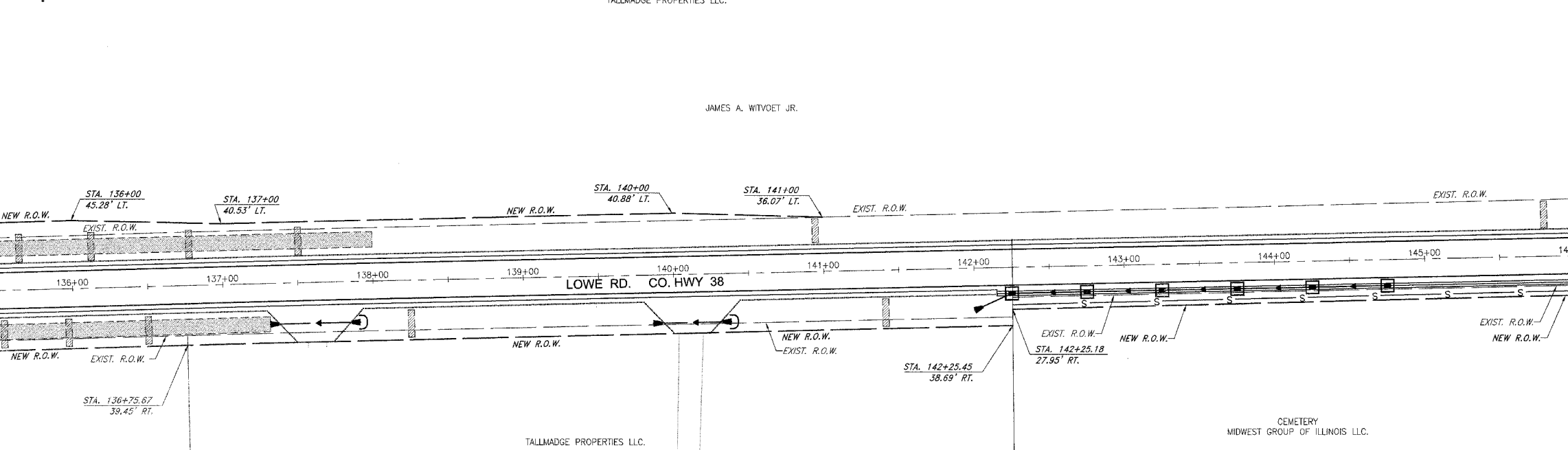
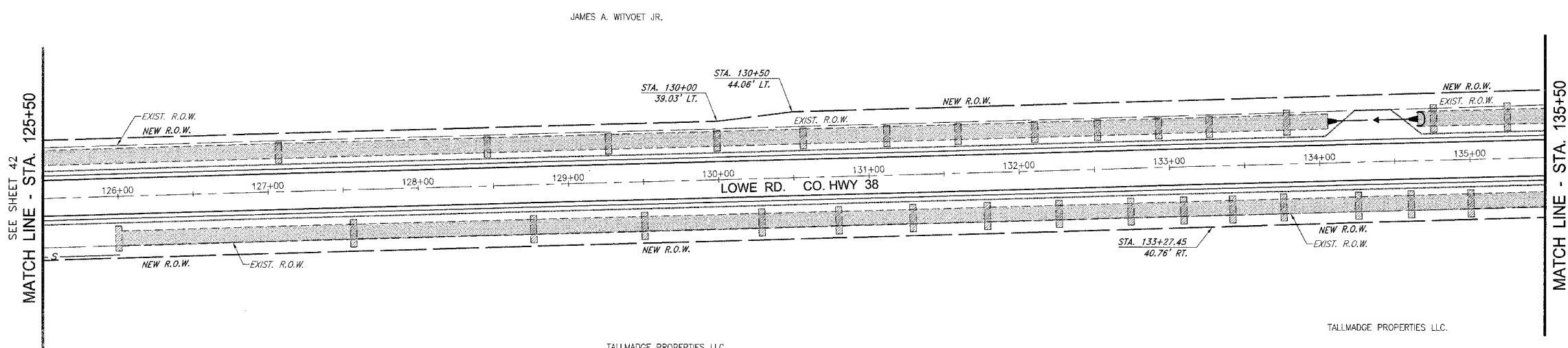
**PROPOSED IMPROVEMENTS FOR  
 LOWE ROAD**  
 FROM IL-17 TO WALDRON ROAD  
**WALDRON ROAD**  
 FROM CORP. LIMITS TO DIVISION STREET

SECTION  
 02-00284-00-WR &  
 01-00017-00-FP

DATE: 07/10/06	JOB NO. E01015
SCALE: HORZ.: 1"=40' VERT.: N/A	FILE NO.
DRAWN BY: MRG	SHEET
CHECKED BY: SRM	<b>40</b>
	83



PA\2006\01015\dwg\ER01015-CH\_28.dwg 1/17/2007 10:40:25 AM CST



**EROSION CONTROL LEGEND**

- NEW INLET
- NEW MANHOLE
- ▼ NEW FLARED END SECTION
- INLET AND PIPE PROTECTION
- C CULVERT INLET PROTECTION
- ▨ STRAW BALE DITCH CHECK
- S PERIMETER EROSION BARRIER
- ▨ RIP-RAP
- ▨ GEOTEXTILE EROSION CONTROL FABRIC

CONTRACT NO. 87314  
 ILLINOIS COUNTY TOTAL SHEETS 83 SHEET NO. 41  
 FEDERAL DIST. NO. ILLINOIS FED. AID PROJECT  
 \* LOWE RD. FAU 6209/WALDRON RD. FAU 6184  
 \*\* 02-00284-00-WR & 01-00017-00-FP

**TYSON ENGINEERING, INC.**  
 CONSULTING CIVIL ENGINEERS  
 LAND SURVEYORS  
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 367 SOUTH SCHUYLER AVENUE  
 KANKAKEE, ILLINOIS 60901  
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**REVISIONS**

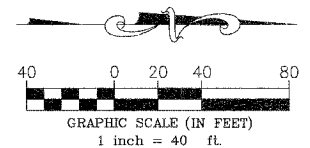
NO.	DATE	BY	DESCRIPTION
3	10/24/06	MRG	PER IDOT REVIEW
4	12/29/06	MRG	PER COUNTY REV

LOWE ROAD  
 EROSION CONTROL  
 STA. 125+50 TO STA. 151+50

PROPOSED IMPROVEMENTS FOR  
**LOWE ROAD**  
 FROM IL-17 TO WALDRON ROAD  
**WALDRON ROAD**  
 FROM CORP. LIMITS TO DIVISION STREET

SECTION  
 02-00284-00-WR &  
 01-00017-00-FP

DATE: 07/10/06	JOB NO. E01015
SCALE: HORZ.: 1"=40' VERT.: N/A	FILE NO.
DRAWN BY: MRG	SHEET
CHECKED BY: SRM	<b>41</b>
	83



FAU. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	83	42

CONTRACT NO. 87314  
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT  
 \* LOWE RD. FAU 6208/WALDRON RD. FAU 6184  
 \*\* 02-00284-00-WR & 01-00017-00-FP

**TYSON ENGINEERING, INC.**  
 CONSULTING CIVIL ENGINEERS  
 LAND SURVEYORS  
 DESIGN FIRM LICENSE #184-001136  
 367 SOUTH SCHUYLER AVENUE  
 KANKAKEE, ILLINOIS 60901  
 PHONE (815) 932-7406

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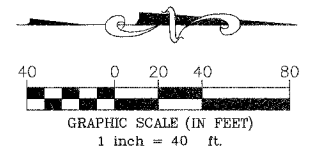
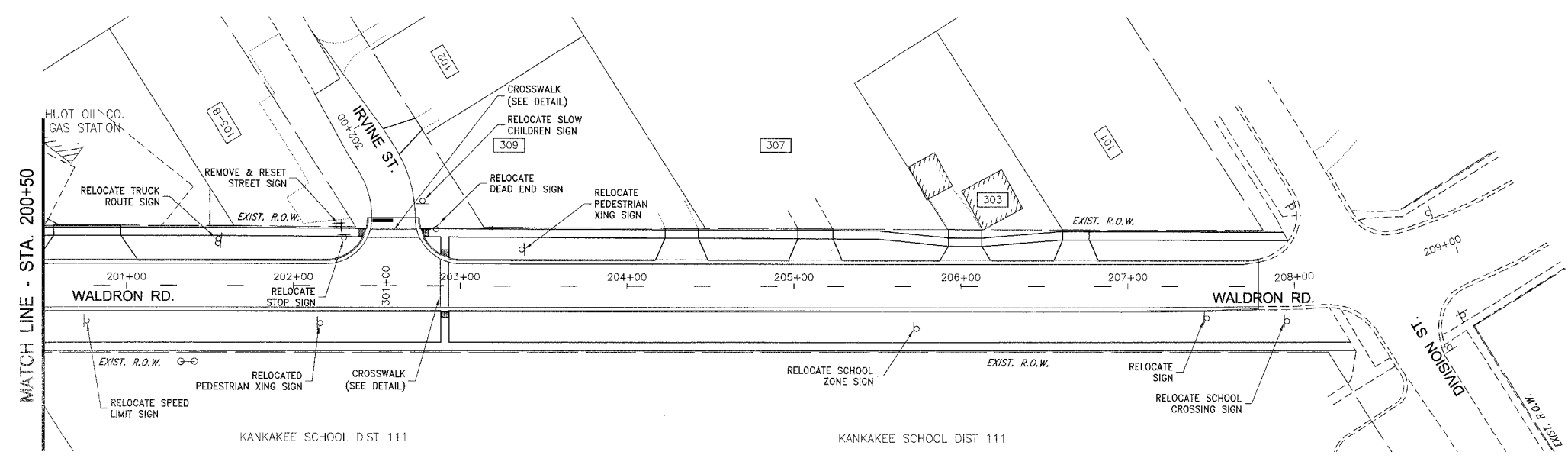
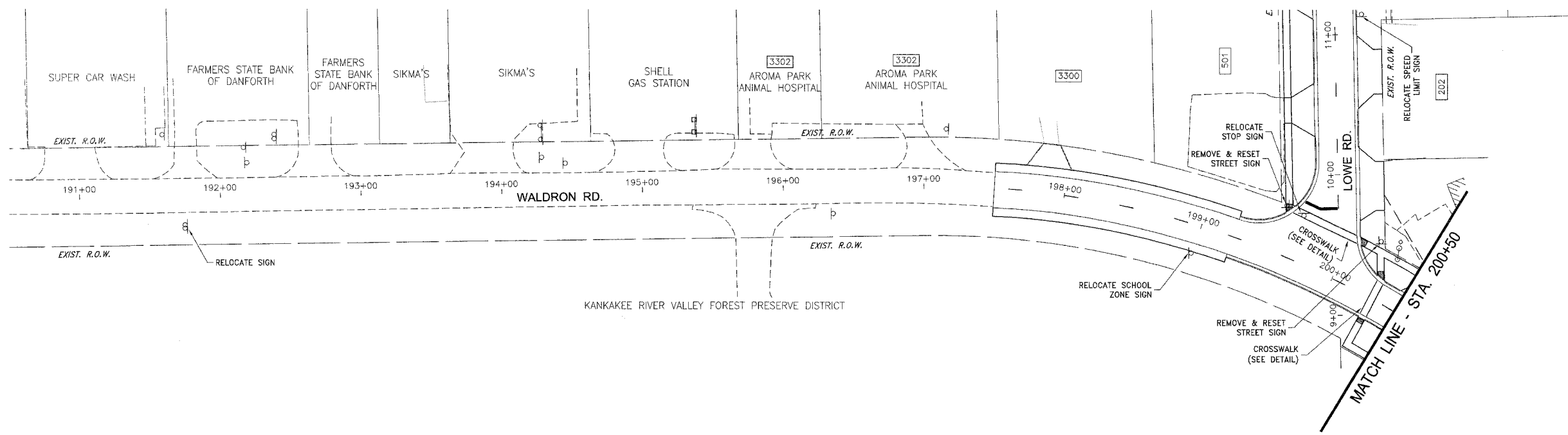
REVISIONS			
NO.	DATE	BY	DESCRIPTION
3	10/24/06	MRG	PER IDOT REVIEW
4	12/29/06	MRG	PER COUNTY REV

WALDRON ROAD  
 STRIPING AND  
 SIGNAGE PLAN  
 STA. 186+00 TO STA. 209+00

PROPOSED IMPROVEMENTS FOR  
**LOWE ROAD**  
 FROM IL-17 TO WALDRON ROAD  
**WALDRON ROAD**  
 FROM CORP. LIMITS TO DIVISION STREET

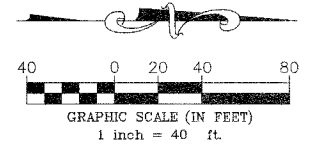
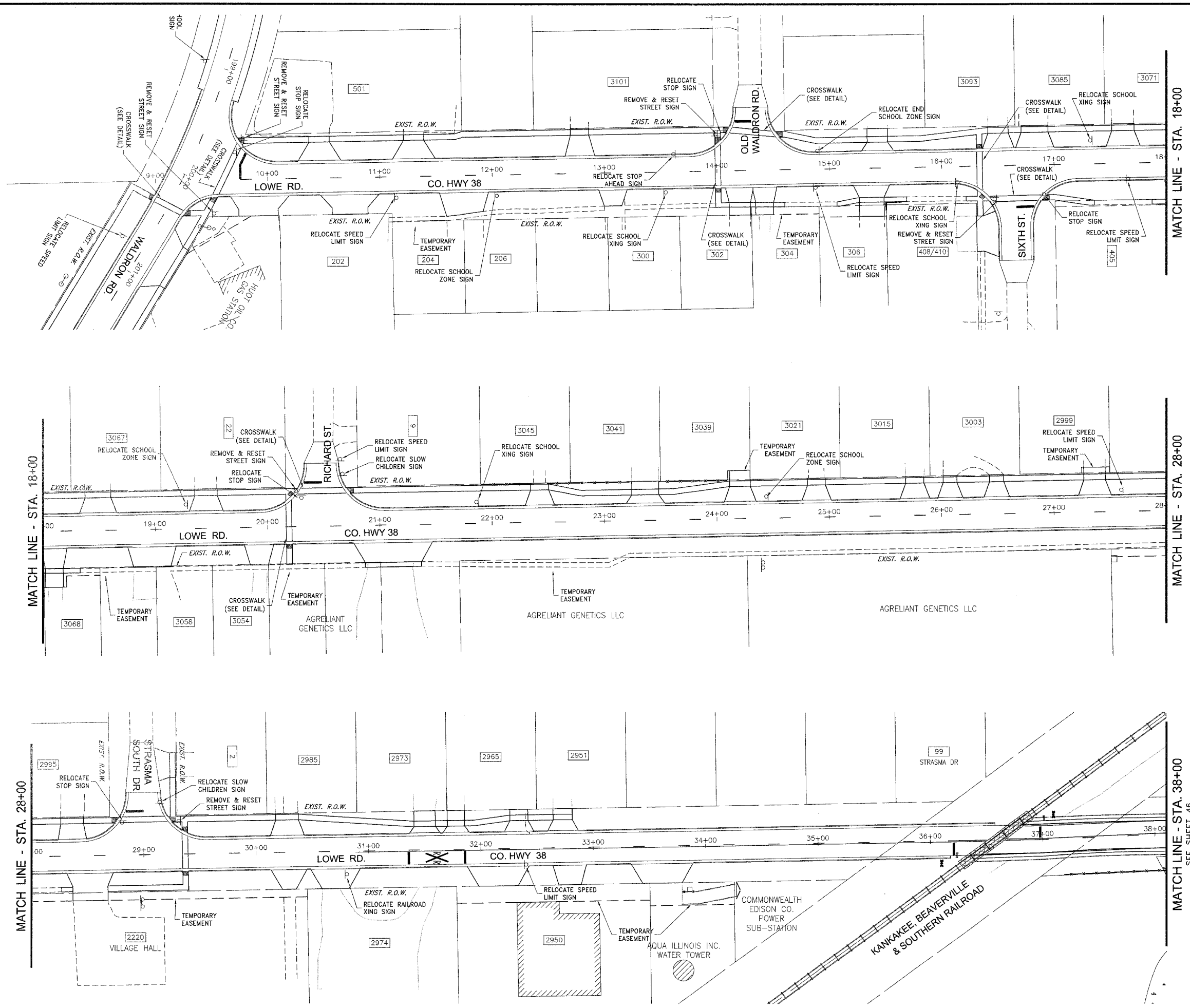
SECTION  
 02-00284-00-WR &  
 01-00017-00-FP

DATE: 07/10/06	JOB NO. E01015
SCALE: HORZ.: 1"=40' VERT.: N/A	FILE NO.
DRAWN BY: MRG	SHEET
CHECKED BY: SRM	<b>42</b>
	83



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FAU DIST.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	**	KANKAKEE	83	43

CONTRACT NO. 87314  
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT  
 \* LOWE RD. FAU 6209/WALDRON RD. FAU 6184  
 \*\* 02-00284-00-WR & 01-00017-00-FP

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 367 SOUTH SCHUYLER AVENUE  
 KANKAKEE, ILLINOIS 60901  
 PHONE (815) 932-7406

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REVISIONS				
NO.	DATE	BY	DESCRIPTION	
3	10/24/06	MRG	PER IDOT REVIEW	
4	12/29/06	MRG	PER COUNTY REV	

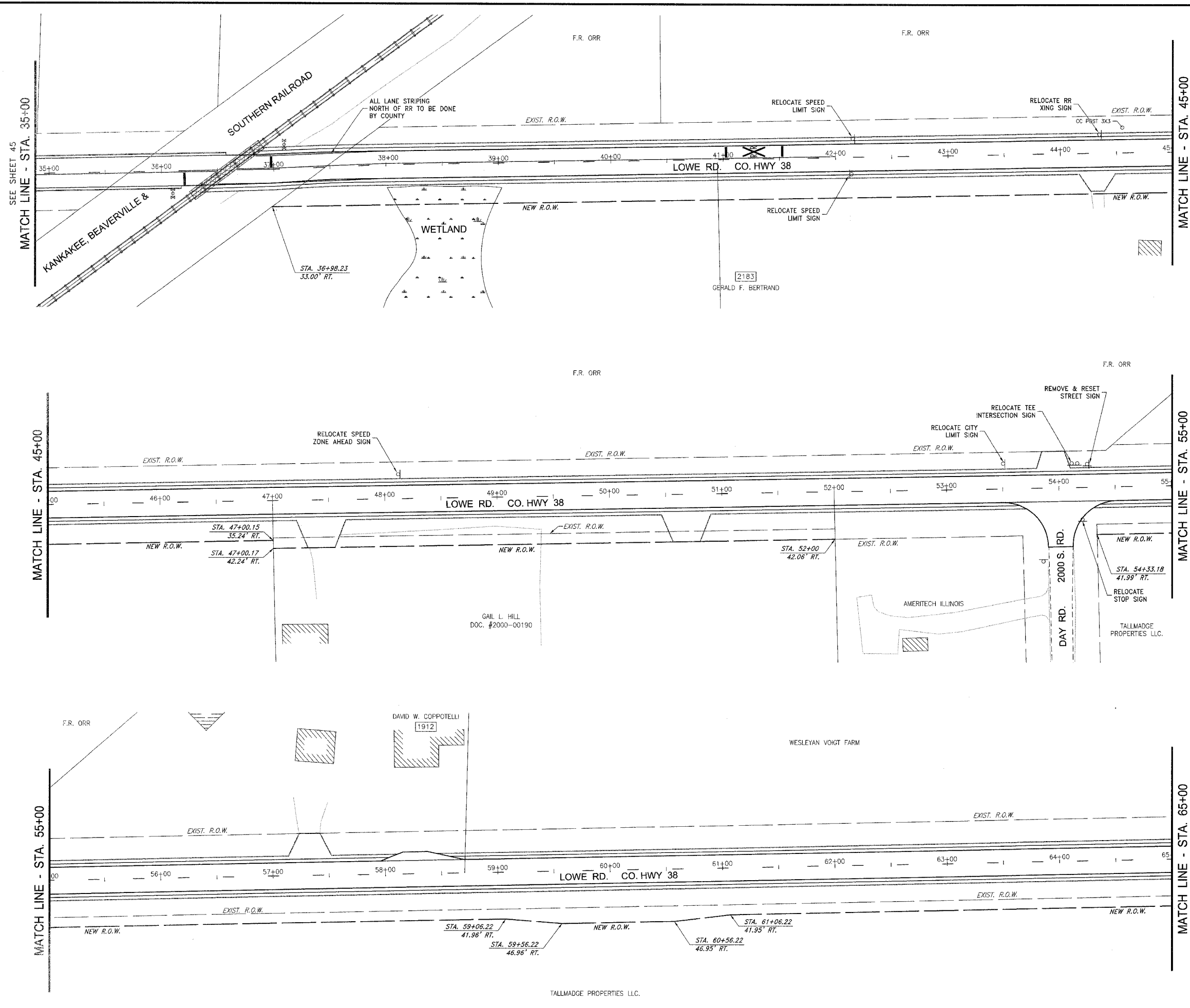
WALDRON ROAD  
 STRIPING AND  
 SIGNAGE PLAN  
 STA. 9+00 TO STA. 38+00

PROJECT:  
**PROPOSED IMPROVEMENTS FOR  
 LOWE ROAD  
 FROM IL-17 TO WALDRON ROAD  
 WALDRON ROAD  
 FROM CORP. LIMITS TO DIVISION STREET**

SECTION  
 02-00284-00-WR &  
 01-00017-00-FP

DATE: 07/10/06	JOB NO. E01015
SCALE: HORIZ.: 1"=40' VERT.: N/A	FILE NO.
DRAWN BY: MRG	SHEET
CHECKED BY: SRM	<b>43</b>
	83

P:\2001\01015\mk\01015-CH-38.dwg 1/17/2007 11:03:44 AM CST



MATCH LINE - STA. 35+00  
 MATCH LINE - STA. 45+00  
 MATCH LINE - STA. 55+00  
 MATCH LINE - STA. 65+00  
 SEE SHEET 45  
 SEE SHEET 47

F.A.P. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	83	44

CONTRACT NO. 87314  
 FED. ROAD DIST. NO. ILLINOIS  
 FED. AID PROJECT  
 \* LOWE RD. FAU 6209/WALDRON RD. FAU 6194  
 \*\* 02-00284-00-WR & 01-00017-00-FP

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REVISIONS				
NO.	DATE	BY	DESCRIPTION	
3	10/24/06	MRG	PER IDOT REVIEW	
4	12/29/06	MRG	PER COUNTY REV	

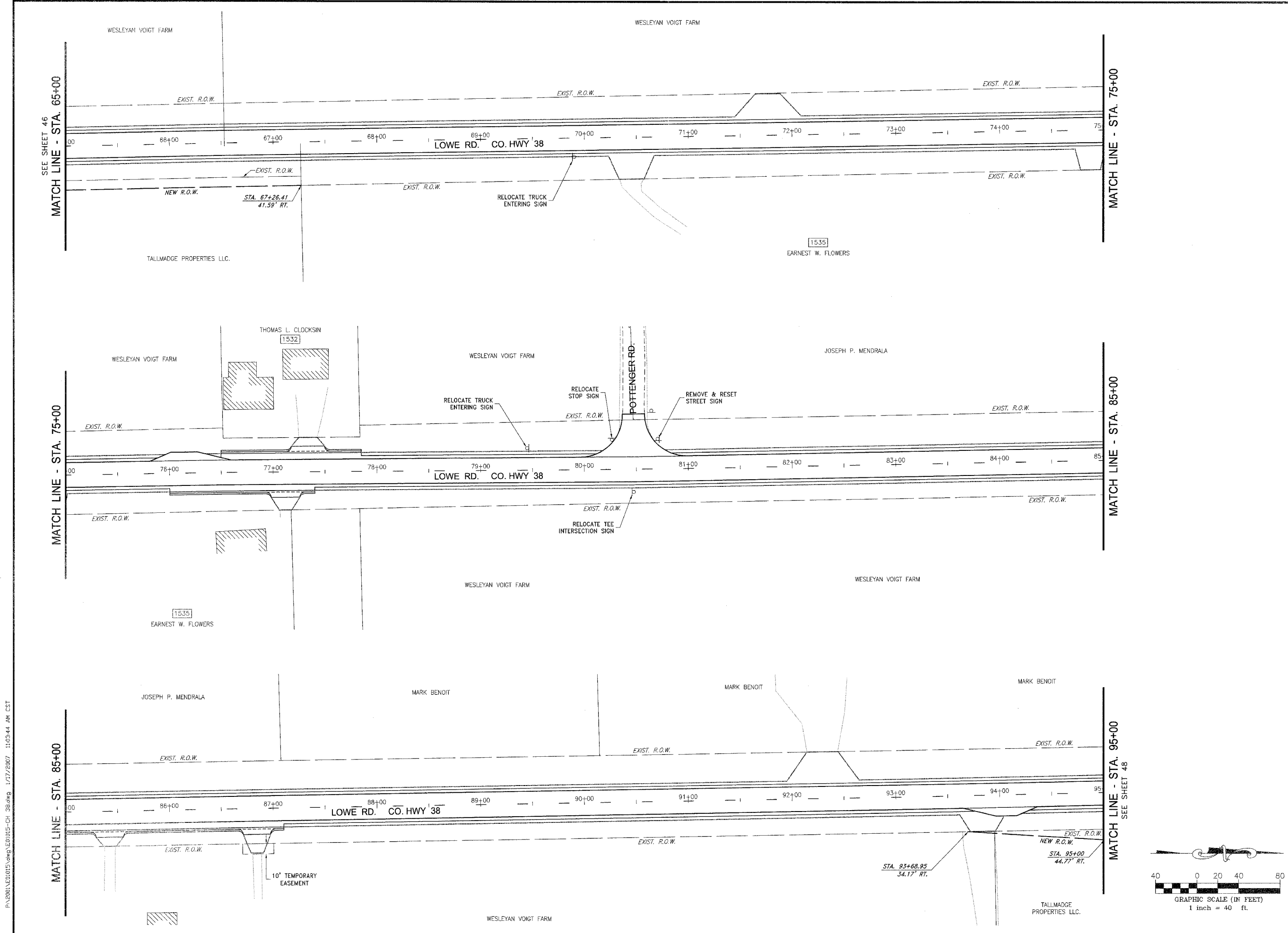
LOWE ROAD STRIPING AND SIGNAGE PLAN  
 STA. 35+00 TO STA. 65+00

**PROPOSED IMPROVEMENTS FOR LOWE ROAD FROM IL-17 TO WALDRON ROAD WALDRON ROAD FROM CORP. LIMITS TO DIVISION STREET**

SECTION  
 02-00284-00-WR & 01-00017-00-FP

DATE: 07/10/06 JOB NO. E01015  
 SCALE: HORZ.: 1"=40' FILE NO.  
 VERT.: N/A  
 DRAWN BY: MRG SHEET 44  
 CHECKED BY: SRM 83

GRAPHIC SCALE (IN FEET)  
 1 inch = 40 ft.



PLAN NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
83	83	KANKAKEE	83	45

CONTRACT NO. 87314

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

\* LOWE RD. FAU 6209/WALDRON RD. FAU 6184  
 \*\* 02-00284-00-WR & 01-00017-00-FP

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 LAND SURVEYORS  
 DESIGN FIRM LICENSE #184-001136  
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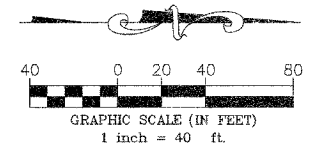
Do not scale drawings. Use dimensions only.  
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REVISIONS			
NO.	DATE	BY	DESCRIPTION
3	10/24/06	MRG	PER IDOT REVIEW
4	12/28/06	MRG	PER COUNTY REV

LOWE ROAD STRIPING AND SIGNAGE PLAN  
 STA. 65+00 TO STA. 95+00

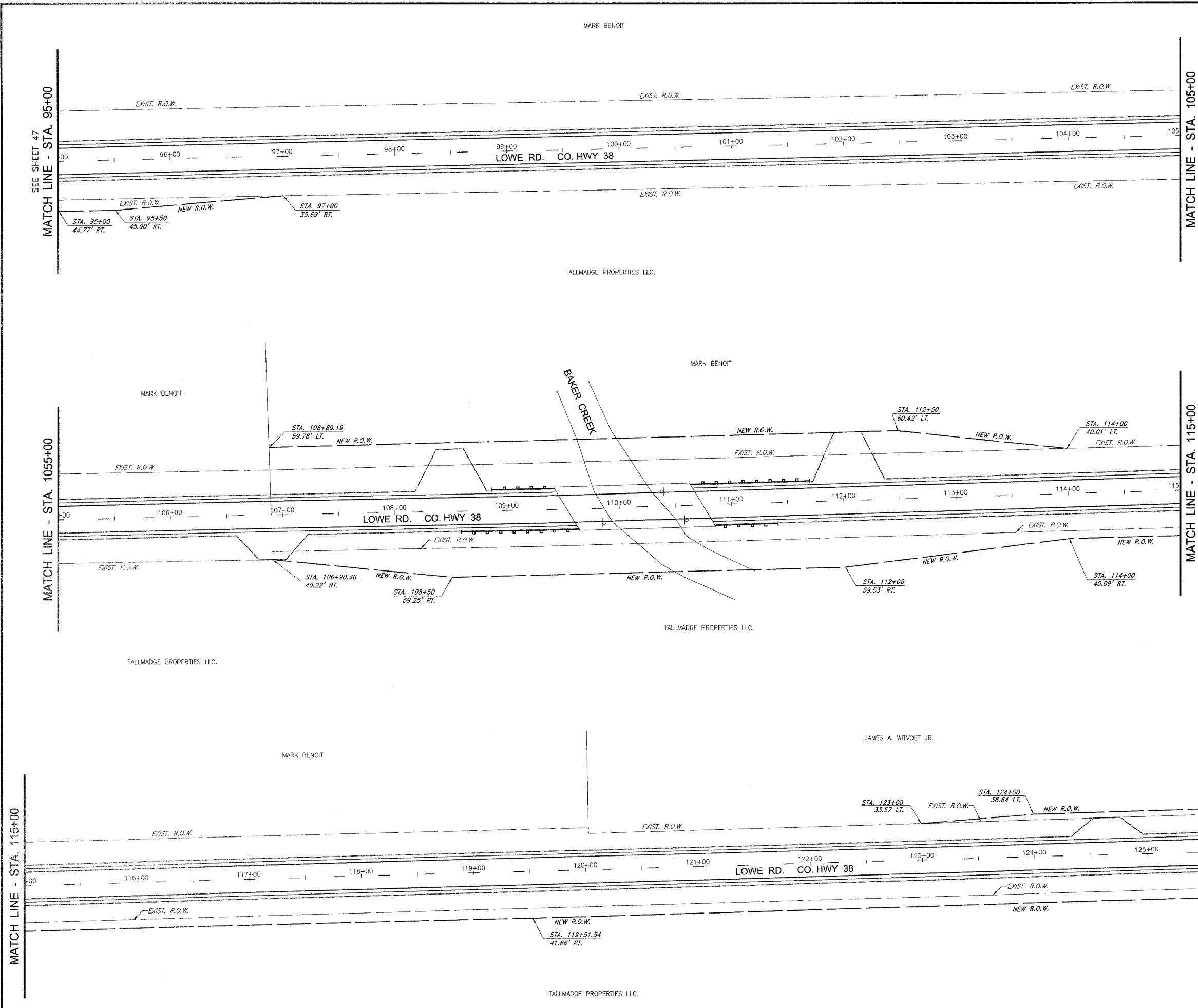
PROPOSED IMPROVEMENTS FOR  
**LOWE ROAD**  
 FROM IL-17 TO WALDRON ROAD  
**WALDRON ROAD**  
 FROM CORP. LIMITS TO DIVISION STREET

SECTION	
02-00284-00-WR & 01-00017-00-FP	
DATE: 07/10/06	JOB NO. E01015
SCALE: HORZ.: 1"=40' VERT.: N/A	FILE NO.
DRAWN BY: MRG	SHEET
CHECKED BY: SRM	<b>45</b>
	83



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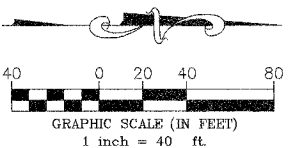
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MATCH LINE - STA. 105+00

MATCH LINE - STA. 115+00

MATCH LINE - STA. 125+50  
SEE SHEET 49



FAU DIST.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	83	48

CONTRACT NO. B7314  
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT  
\* LOWE RD. FAU 6209/WALDRON RD. FAU 6184  
\*\* 02-00284-00-WR & 01-00017-00-FP

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REVISIONS				
NO.	DATE	BY	DESCRIPTION	
3	10/24/06	MRG	PER IDOT REVIEW	
4	12/29/06	MRG	PER COUNTY REV	

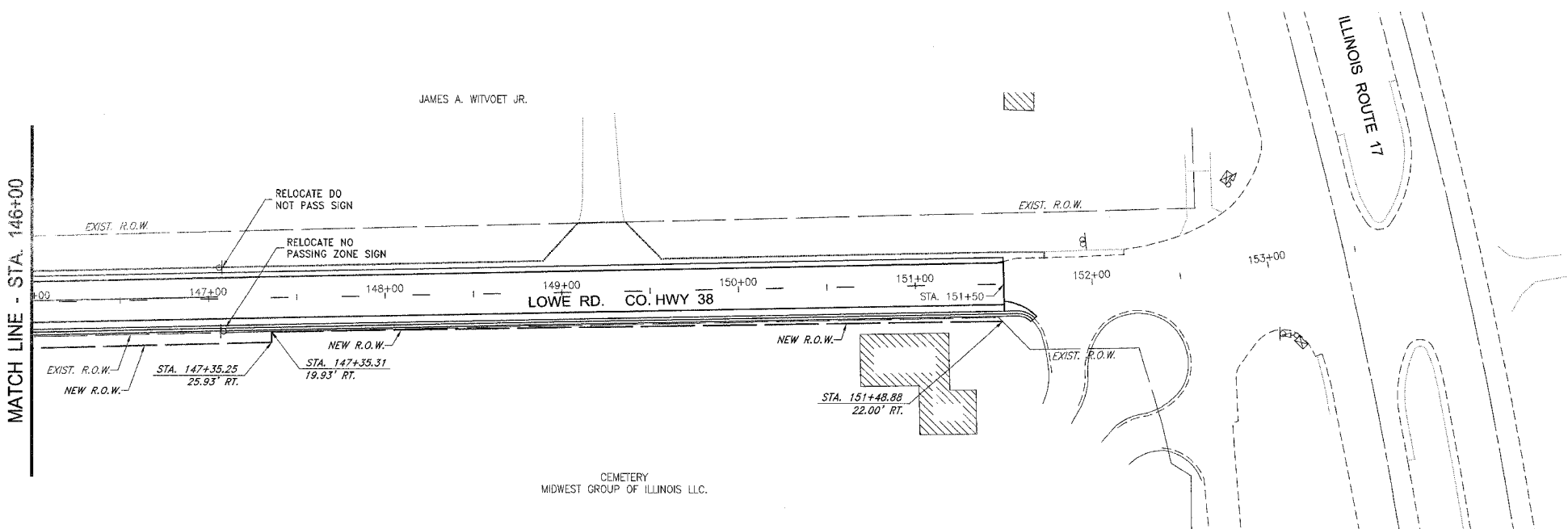
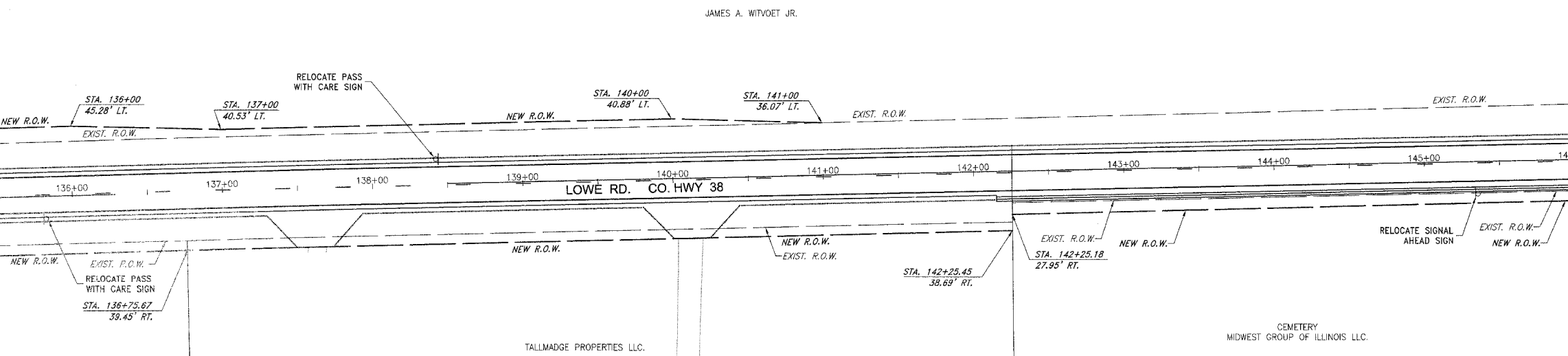
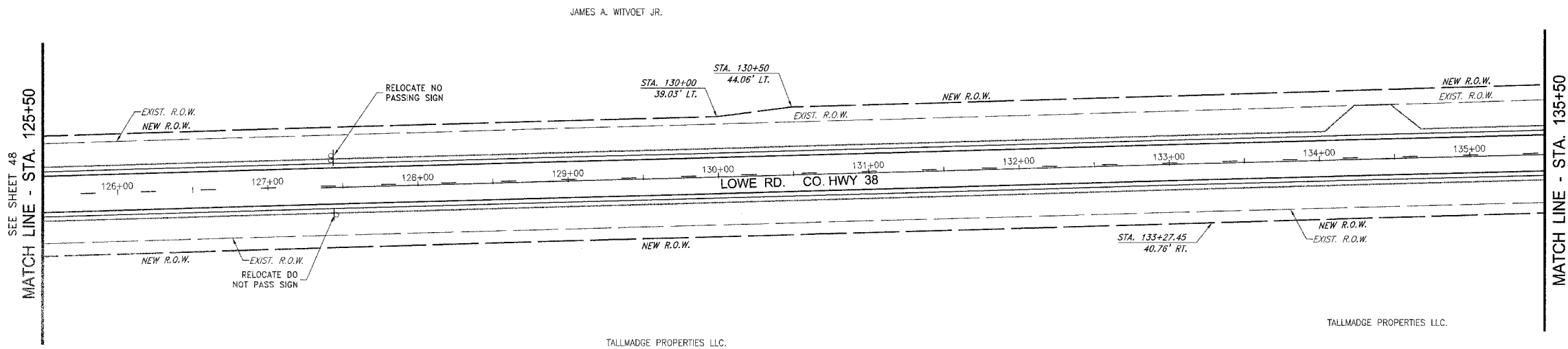
LOWE ROAD STRIPING AND SIGNAGE PLAN  
STA. 95+00 TO STA. 125+50

PROPOSED IMPROVEMENTS FOR  
**LOWE ROAD**  
FROM IL-17 TO WALDRON ROAD  
**WALDRON ROAD**  
FROM CORP. LIMITS TO DIVISION STREET

SECTION  
02-00284-00-WR &  
01-00017-00-FP

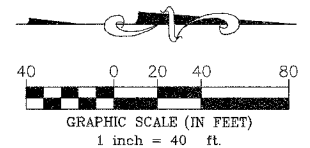
DATE: 07/10/06	JOB NO. E01015
SCALE: HORZ.: 1"=40' VERT.: N/A	FILE NO.
DRAWN BY: MRG	SHEET
CHECKED BY: SRM	<b>46</b>
	83

PA:2006\ED01015\dwg\ED01015-CH\_39.dwg 1/17/2007 11:02:44 AM CST



MATCH LINE - STA. 135+50

MATCH LINE - STA. 146+00



FAU NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	83	47

CONTRACT NO. 87314

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT  
 \*\* LOWE RD. FAU 6209/WALDRON RD. FAU 6184  
 \*\* 02-00284-00-WR & 01-00017-00-FP

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REVISIONS			
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4	12/29/06	MRG	PER COUNTY REV

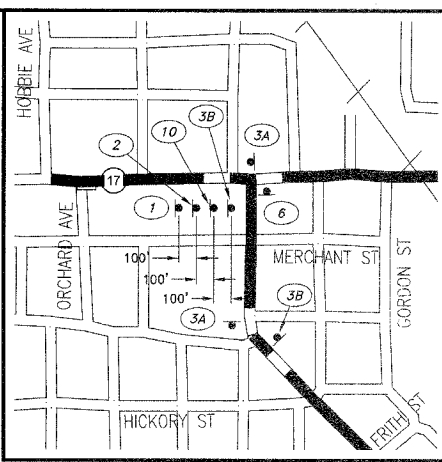
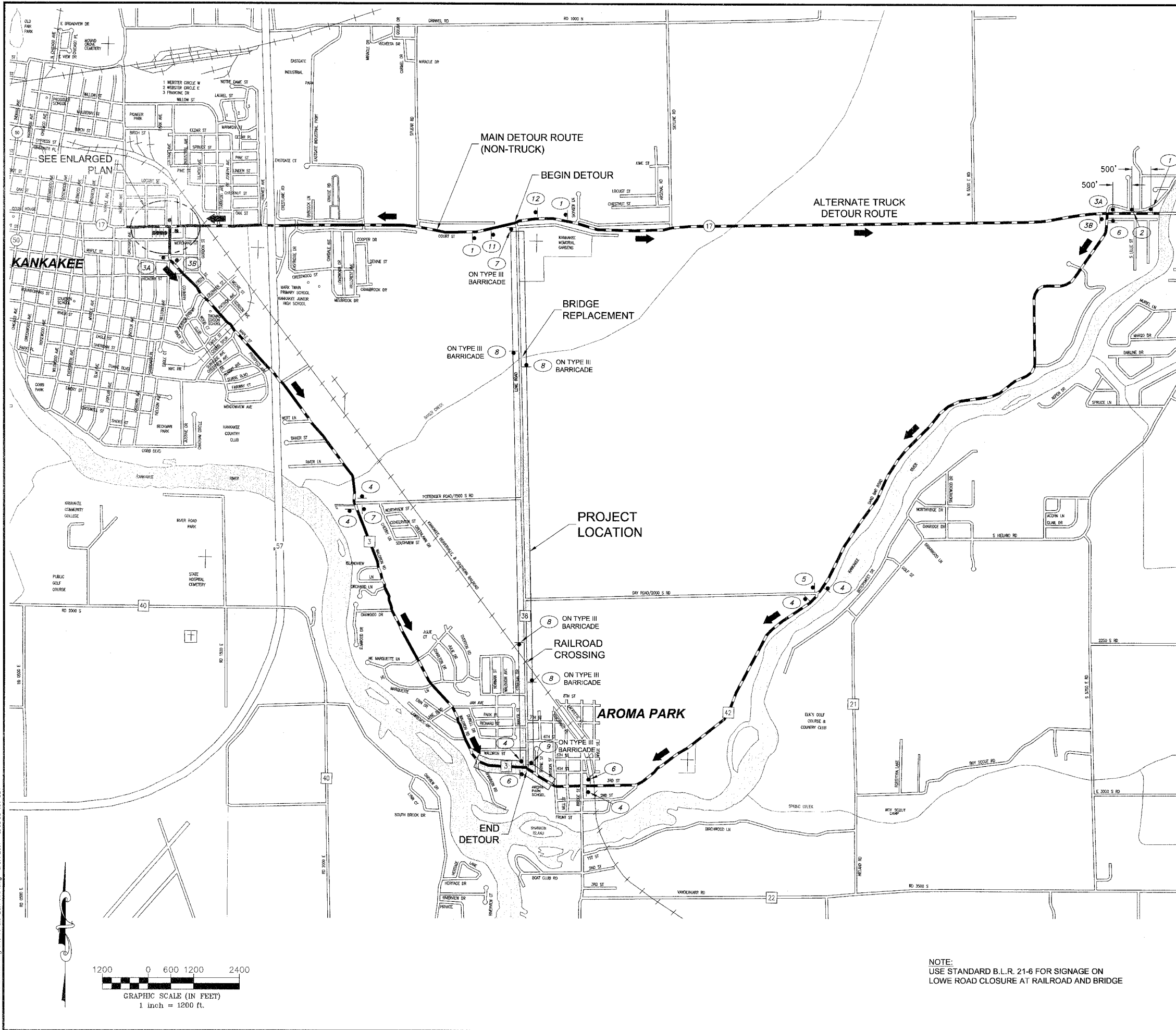
LOWE ROAD STRIPING AND SIGNAGE PLAN  
 STA. 125+50 TO STA. 151+50

PROPOSED IMPROVEMENTS FOR  
**LOWE ROAD**  
 FROM IL-17 TO WALDRON ROAD  
**WALDRON ROAD**  
 FROM CORP. LIMITS TO DIVISION STREET

SECTION  
 02-00284-00-WR &  
 01-00017-00-FP

DATE: 07/10/06	JOB NO. E01015
SCALE: HORZ.: 1"=40' VERT.: N/A	FILE NO.
DRAWN BY: MRG	SHEET
CHECKED BY: SRM	<b>47</b>

83



**ENLARGED PLAN**  
SCALE: 1"=500'

- LEGEND**
- DETOUR SIGN (NUMBER DENOTES TYPE)
  - DETOUR ROUTE
  - ALTERNATE TRUCK ROUTE

- |  |  |
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CONTRACT NO. 87314  
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT  
 \* LOWE RD. FAU 6209/WALDRON RD. FAU 6184  
 \*\* 02-00284-00-WR & 01-00017-00-FP

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NO.	DATE	BY	DESCRIPTION
3	10/24/06	MRG	PER IDOT REVIEW
4	12/29/06	MRG	PER COUNTY REV

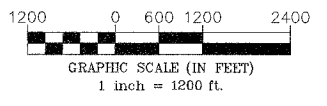
TRAFFIC DETOUR MAP

PROPOSED IMPROVEMENTS FOR  
**LOWE ROAD**  
 FROM IL-17 TO WALDRON ROAD  
**WALDRON ROAD**  
 FROM CORP. LIMITS TO DIVISION STREET

SECTION  
 02-00284-00-WR &  
 01-00017-00-FP

DATE: 07/10/06	JOB NO. E01015
SCALE: AS SHOWN	FILE NO.
DRAWN BY: MRG	SHEET
CHECKED BY: SRM	<b>48</b>

83



NOTE:  
 USE STANDARD B.L.R. 21-6 FOR SIGNAGE ON  
 LOWE ROAD CLOSURE AT RAILROAD AND BRIDGE

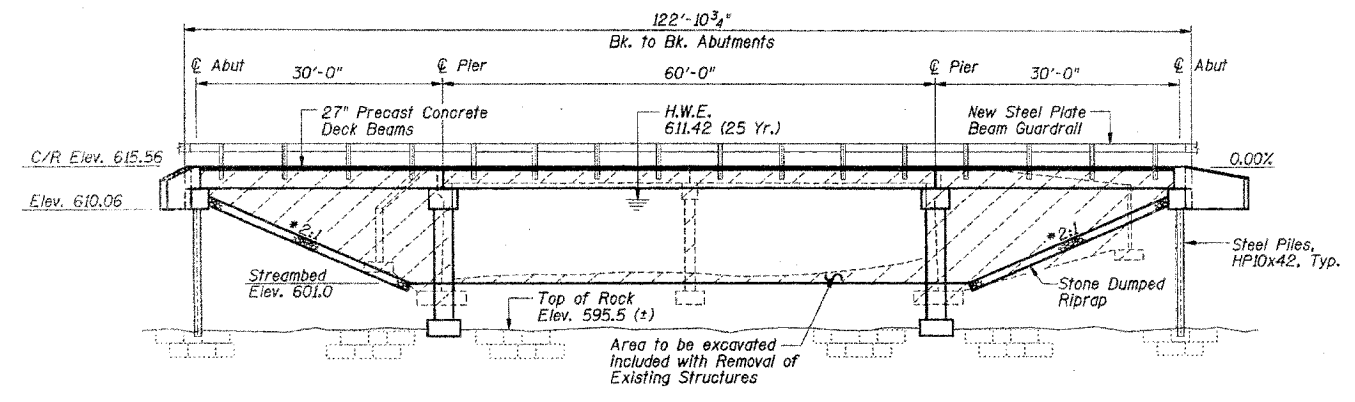
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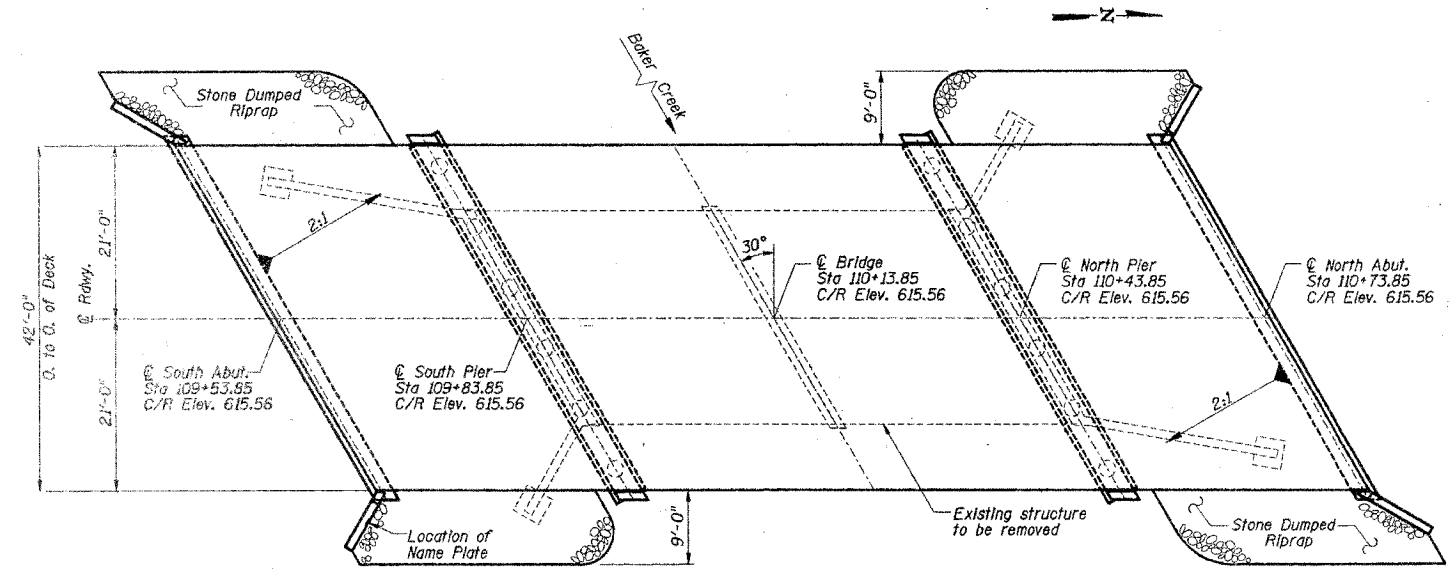
Existing Structure: Existing Structure is a two-span precast concrete deck beam bridge supported by concrete gravity abutments and concrete piers supported on a spread footing, 61'-10 1/2" B/B Abutments and 26'-0" O/O. Skew is 30 degrees RT.

ROUTE NO.	SECTION	COUNTY	SHEET NO.	TOTAL SHEETS
CH 38	*	Kankakee	83	49
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 87314 \*02-00284-00-WR



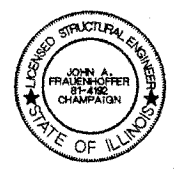
PROFILE



PLAN

GENERAL NOTES

- The Contractor shall drive 1 steel test pile in a permanent location at each abutment as directed by the Engineer before ordering the remainder of piles. Test piles shall be driven to 110 percent of the Nominal Required Bearing Indicated in the pile data information.
- Boring Data is shown only as a guide to bidders in estimating soil conditions which may be encountered during construction.
- Class SI or MS Concrete shall be used in the abutments and piers.
- Reinforcement bars shall conform to the requirements of AASHTO M31, M42 or M53 Grade 60.
- Layout of slope protection system may be varied in the field to suit ground conditions as directed by the Engineer.



I certify that to the best of my knowledge, information and belief, this bridge design is structurally adequate for the design loading shown on the plans. The design is an economical one for the style of structure and complies with the requirements of the current "AASHTO Standard Specifications for Highway Bridges."

*John A. Frauenhoffer*  
 JOHN A. FRAUENHOFFER  
 Illinois Licensed Structural Engineer Number 4192  
 License Expires 11/30/08

DSGN	K.J. Hoffmann				
DR	K.J. Hoffmann				
CHK	J.A. Frauenhoffer				
APVD	J.A. Frauenhoffer	NO.	DATE	REVISION	BY

BORING DATA

N - Standard Penetration Test - Blows per foot to drive 2" O.D. split spoon sampler 12" with 140 lb. hammer falling 30".  
 Qu - Unconfined Compressive Strength - Tons/Sq. Ft.  
 W - Water Content - Percentage of oven dry weight - %  
 B - Buige Failure, V - Shear Failure, P - Penetrometer

BORING B-1

Location: STA 110+52, 8' LT  
 Elev. 615.2 (±)

Water Levels  
 White Drilling: El. 603.2 (±)  
 At Completion: -

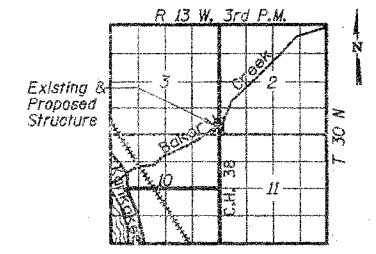
Depth (ft)	N	Qu	W	Soil Description
0				5" Blt. Conc. Surface
1.8				Crushed Stone, FILL
7.0	1.0P	18.0		Blk. SILTY CLAY, some crushed stone
9.2	1.2P	19.2		Blk SILTY CLAY, TOPSOIL
10.0	1.0P	20.3		
16.0				Wet, yellow fine to coarse SAND, trace gravel, silt, & clay
18.2				Moist, gray sandy SILT, little gravel & broken limestone
75.0				Limestone End of Boring

BORING B-2

Location: STA 110+13.85, 7' RT  
 Elev. 615.2 (±)

Water Levels  
 White Drilling: El. 602.2 (±)  
 At Completion: -

Depth (ft)	N	Qu	W	Soil Description
0				5" Blt. Conc. Surface
2.1	1.1P	18.7		Crushed Stone, FILL
9.0	1.0P	19.7		Brn & Blk SILTY CLAY-FILL
7.0	1.0P	19.0		
6.0	1.0P	20.2		Yellow & gray SILTY CLAY
4.8				Gray SILTY CLAY, trace sand & gravel
6.0				Gray sandy SILT, little gravel & broken limestone
8.6				Limestone End of Boring

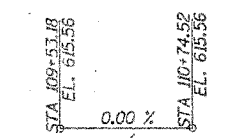


LOCATION SKETCH

STRUCTURE NO. 046-3493  
 SEC. 02-00284-00-WR BUILT 2000  
 COUNTY HIGHWAY 38  
 KANKAKEE COUNTY  
 LOADING HS-20-44

NAME PLATE

See Standard 515001



PROFILE GRADE

DESIGN SPECIFICATIONS

AASHTO (2002) and applicable Interims

DESIGN LOADING

HS 20-44  
 25 P.S.F Future Wearing Surface

DESIGN STRESSES

- f'c = 3,500 psi (Cast In Place Concrete)
- f'c = 5,000 psi (P.P.C. Units)
- f'ci = 4,000 psi (P.P.C. Units)
- fy = 60,000 psi (Reinforcement)
- f's = 270,000 psi (1/2" φ Strands)
- f'si = 201,960 psi (1/2" φ Strands)

WATERWAY DATA

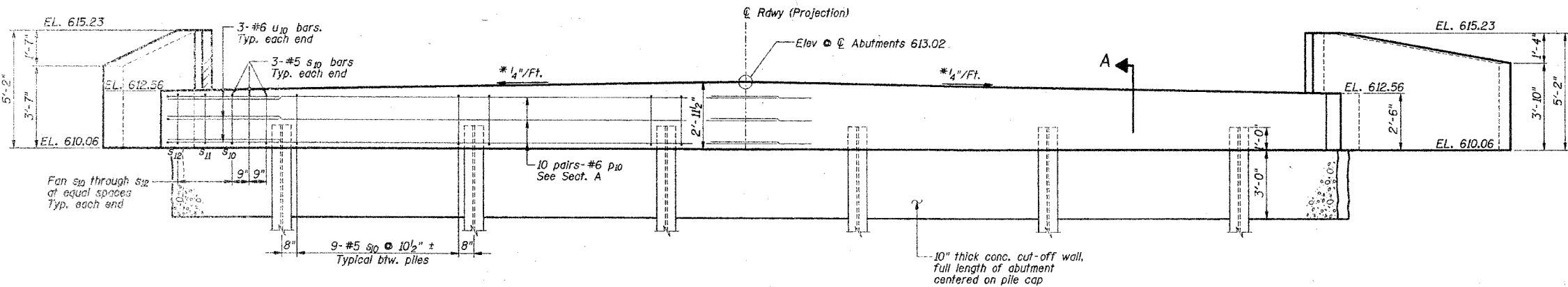
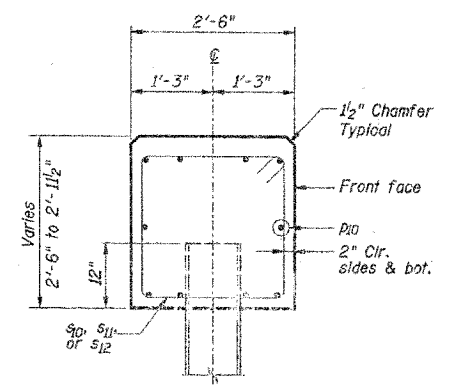
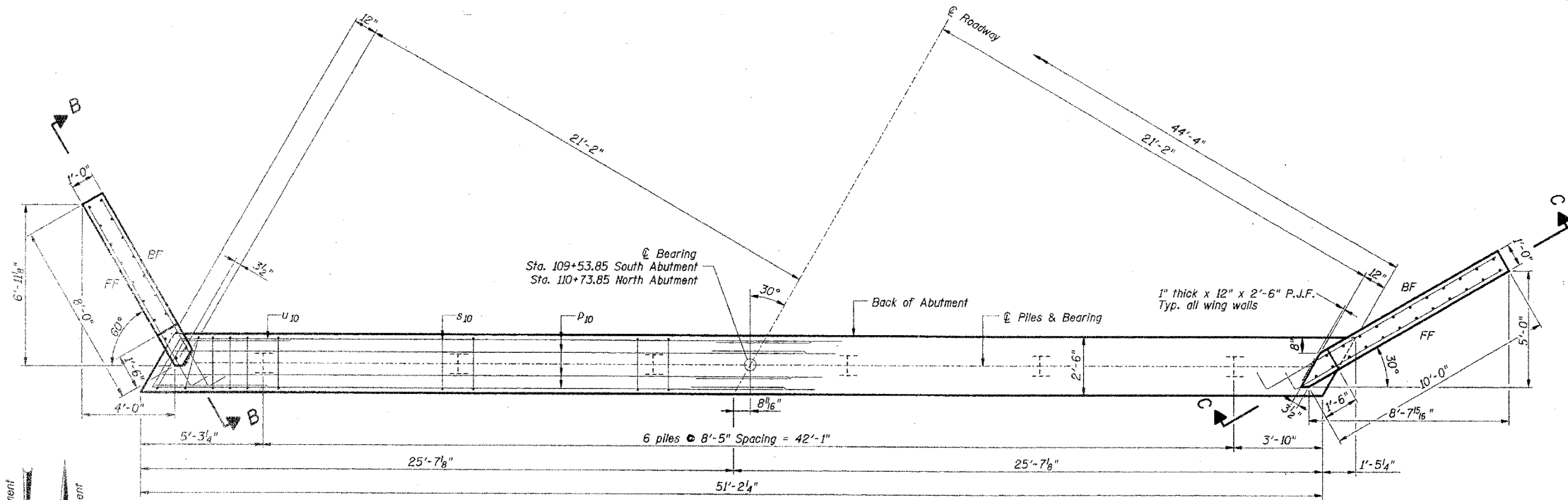
Drainage Area	41.54	Sq. Mi.
Existing Opening	442.5	Sq. Ft.
Required Opening (25 Yr.)	598.4	Sq. Ft.
Proposed Opening (25 Yr.)	640.3	Sq. Ft.
Design Discharge (25 Yr.)	2066.2	C.F.S.
Computed Discharge (100 Yr.)	2644.1	C.F.S.
25 Yr. Head	0.00	Ft.
100 Yr. Head	0.12	Ft.

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Stone Dumped Riprap, Class A4	Sq. Yds.		391	391
Removal of Existing Structures	Each		1	1
Structure Excavation	Cu. Yds.		186	186
Cofferdam Excavation	Cu. Yds.		220	220
Rock Excavation for Structures	Cu. Yds.		15	15
Cofferdams	Each		2	2
Concrete Structures	Cu. Yds.		111.4	111.4
Precast Prestressed Concrete Deck Beams (27" Deep)	Sq. Ft.	5089		5089
Reinforcement Bars	Pound		18110	18110
Steel Railing, Type S-1	Foot	243		243
Furnishing Steel Piles HP 10x42	Foot		170	170
Driving Piles	Foot		170	170
Test Piles, Steel HP10x42	Each		2	2
Pile Shoes	Each		12	12
Name Plate	Each		1	1
Waterproofing Membrane System	Sq. Yds.	566		566
Concrete Cut-off Wall	Cu. Yds.		9.5	9.5

**FRAUENHOFFER**  
 Frauenhoffer and Associates, P.C. Consulting Engineers  
 3002 Crossing Court Champaign, IL 61822 217-351-6268

GENERAL PLAN AND ELEVATION		SHEET 49
COUNTY HIGHWAY 38 SECTION 02-00284-00-WR KANKAKEE COUNTY		DWG NO. 3104gpb.dgn
		DATE AUG 2006
		PROJ NO. 3104



**BILL OF MATERIAL - 2 ABUTS.**

Bar	No.	Size	Length	Shape
h10	6	# 6	9'-11"	U
h11	6	# 6	10'-3"	U
h12	2	# 5	7'-8"	U
h13	2	# 5	7'-5"	U
h14	2	# 5	4'-4"	U
h15	2	# 5	4'-1"	U
h16	2	# 5	7'-9"	U
h17	2	# 5	7'-5"	U
h18	6	# 6	11'-4"	U
h19	6	# 6	12'-5"	U
h20	2	# 5	9'-7"	U
h21	2	# 5	8'-7"	U
h22	2	# 5	6'-10"	U
h23	2	# 5	5'-10"	U
h24	2	# 5	9'-8"	U
h25	2	# 5	8'-8"	U
p10	40	# 6	27'-4"	U
s10	102	# 5	9'-7"	U
s11	4	# 5	9'-10"	U
s12	4	# 5	10'-3"	U
u10	12	# 6	12'-4"	U
v1	12	# 4	4'-11"	U
v2	4	# 4	4'-10"	U
v3	8	# 4	4'-8"	U
v4	8	# 4	4'-5"	U
v5	8	# 4	4'-3"	U
v6	4	# 4	4'-0"	U
v7	4	# 4	3'-10"	U
v8	4	# 4	3'-7"	U
v9	4	# 4	3'-5"	U
v10	4	# 4	4'-10"	U
v11	4	# 4	4'-7"	U
v12	4	# 4	4'-2"	U
v13	4	# 4	4'-1"	U
v14	4	# 4	3'-11"	U
v15	4	# 4	3'-9"	U
v16	4	# 4	3'-8"	U
Concrete Structures	Cu. Yds.		31.6	
Reinforcement Bars	Lbs.		3,790	
Test Pile, Steel HP10x42	Each		2	
Furnish Steel Piles HP10x42	Foot		170	
Driving Piles	Foot		170	
Pile Shoes	Each		12	
Name Plate	Each		1	
Concrete Cut-off Wall	Cu. Yds.		9.5	
Structure Excavation	Cu. Yds.		186	

**PILE DATA**

Type: Steel HP 10 x 42  
 Nominal Required Bearing: 334 kips  
 Allowable Resistance Available: 68 kips  
 Estimated Length: 17 ft.  
 No. Required: 5  $\bullet$  South Abutment  
 5  $\bullet$  North Abutment  
 Test Piles: 1  $\bullet$  South Abutment  
 1  $\bullet$  North Abutment

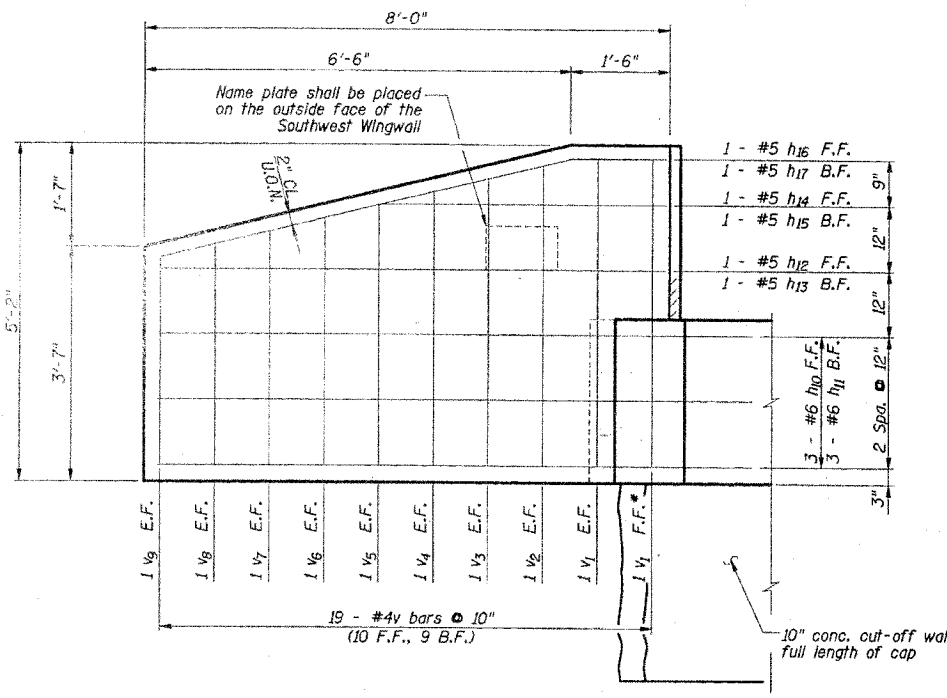
Note: The Steel H-piles shall be according to AASHTO M270 Grade 50.

DSGN	K.J. Hoffmann				
DR	K.J. Hoffmann				
CHK	J.A. Fraenhoffer				
APVD	J.A. Fraenhoffer	NO.	DATE	REVISION	BY

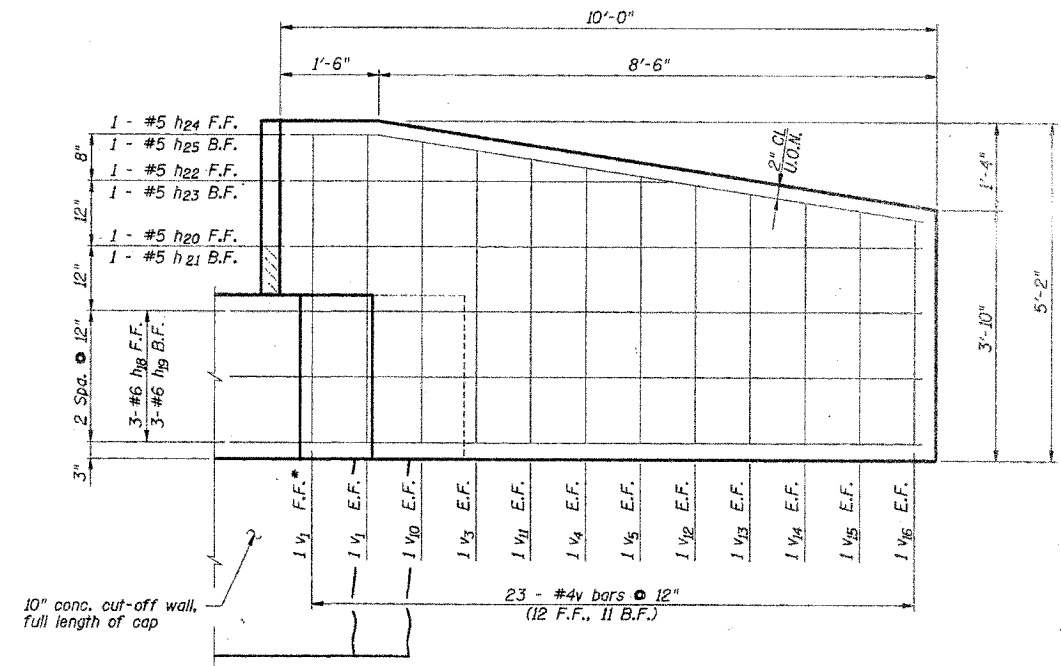
**FRAUENHOFFER**  
 Fraenhoffer and Associates, P.C. Consulting Engineers  
 3002 Crossing Court Champaign, Il. 61822 217-351-6268

ABUTMENTS - SHEET 1 OF 2  
 COUNTY HIGHWAY 38  
 SECTION 02-00284-00-WR  
 KANKAKEE COUNTY

SHEET	50
DWG NO.	3104-ebt.dgn
DATE	JUL 2006
PROJ NO.	3104

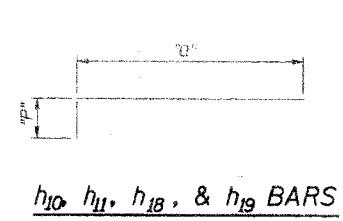


**ELEV. B-B**  
Wingwalls shall be poured after beams are in place.



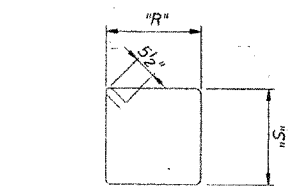
**ELEV. C-C**  
Wingwalls shall be poured after beams are in place.

F.F.\* - Front Face Only  
F.F. - Front Face  
B.F. - Back Face  
E.F. - Each Face  
U.O.N. - Unless otherwise noted



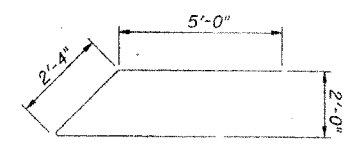
**h<sub>10</sub>, h<sub>11</sub>, h<sub>18</sub>, & h<sub>19</sub> BARS**

Bar	"P"	"Q"
h <sub>10</sub>	8'-11"	12"
h <sub>11</sub>	9'-3"	12"
h <sub>18</sub>	10'-4"	12"
h <sub>19</sub>	11'-5"	12"

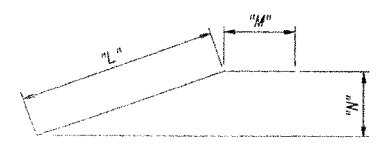


**s<sub>10</sub>, s<sub>11</sub>, & s<sub>12</sub> BARS**

Bar	"R"	"S"
s <sub>10</sub>	2'-2"	2'-2"
s <sub>11</sub>	2'-3"	2'-2"
s <sub>12</sub>	2'-6"	2'-2"



**BAR U10**



**h<sub>16</sub>, h<sub>17</sub>, h<sub>24</sub>, & h<sub>25</sub> BARS**

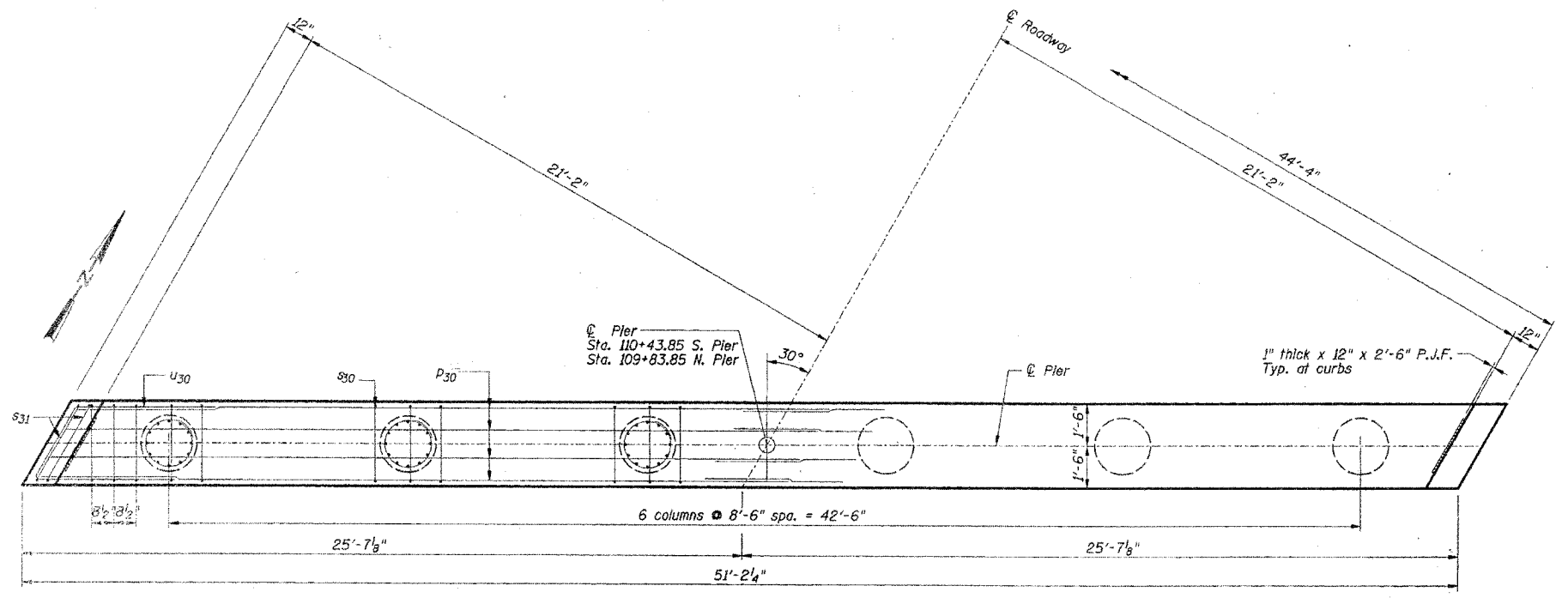
Bar	"L"	"M"	"N"
h <sub>16</sub>	6'-5"	1'-4"	1'-6 1/2"
h <sub>17</sub>	6'-5"	1'-1"	1'-6 1/2"
h <sub>24</sub>	8'-4"	1'-4"	1'-3 3/4"
h <sub>25</sub>	8'-4"	0'-4"	1'-3 3/4"

DSGN	K.J. Hoffmann				
DR	K.J. Hoffmann				
CHK	J.A. Fraenhoffer				
APVD	J.A. Fraenhoffer	NO.	DATE	REVISION	BY APVD

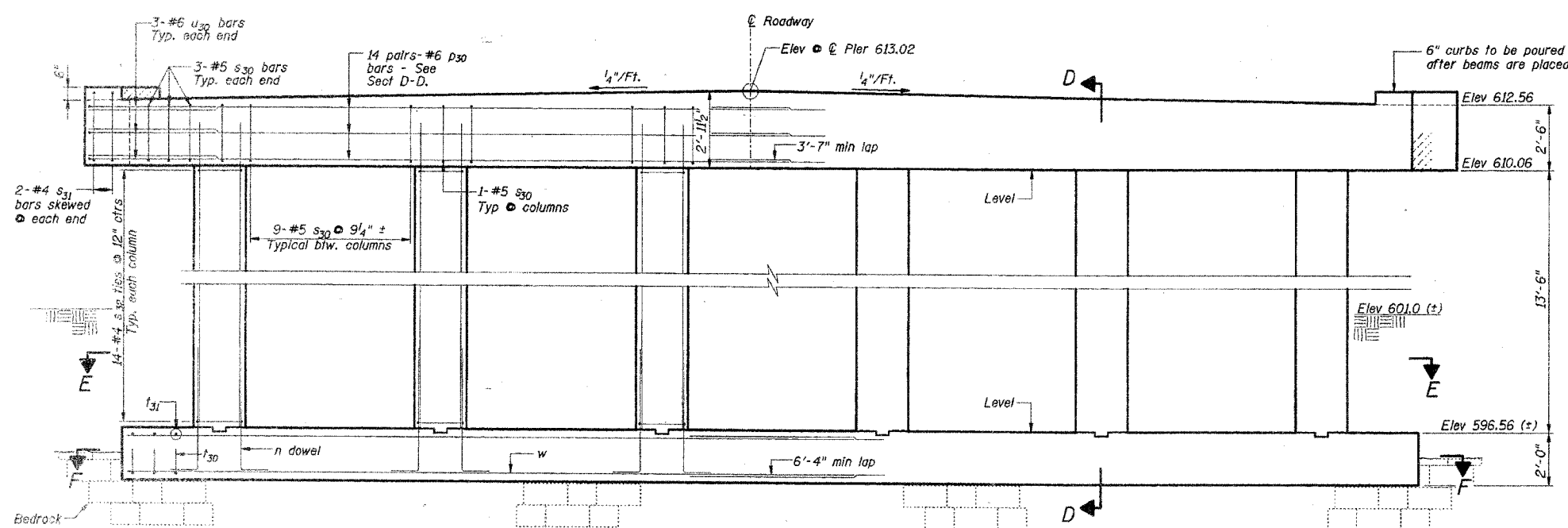
**FRAUENHOFFER**  
Fraenhoffer and Associates, P.C. Consulting Engineers  
3002 Crossing Court Champaign, Il. 61822 217-351-6268

**ABUTMENTS - SHEET 2 OF 2**  
COUNTY HIGHWAY 38  
SECTION 02-00284-00-WR  
KANKAKEE COUNTY

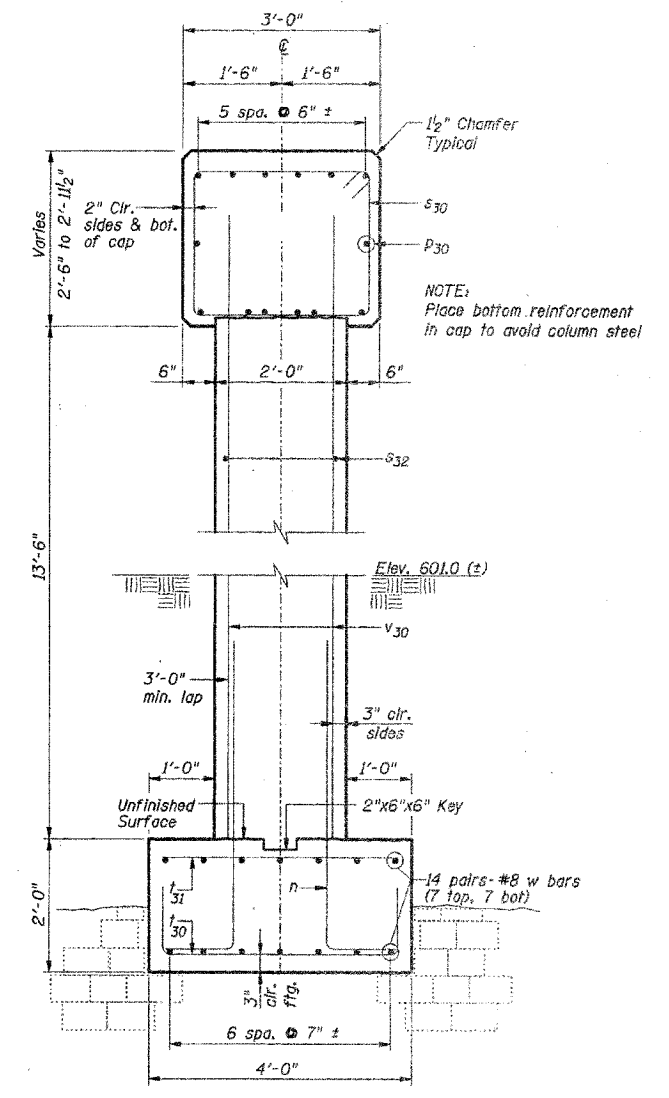
SHEET	51
DWG NO.	3104-sot.dgn
DATE	JUL 2006
PROJ NO.	3104



**PLAN**  
(Symmetrical about  $\text{\textcircled{C}}$  Pier)



**ELEVATION**  
Front Projection  
(Symmetrical about  $\text{\textcircled{C}}$  Pier)



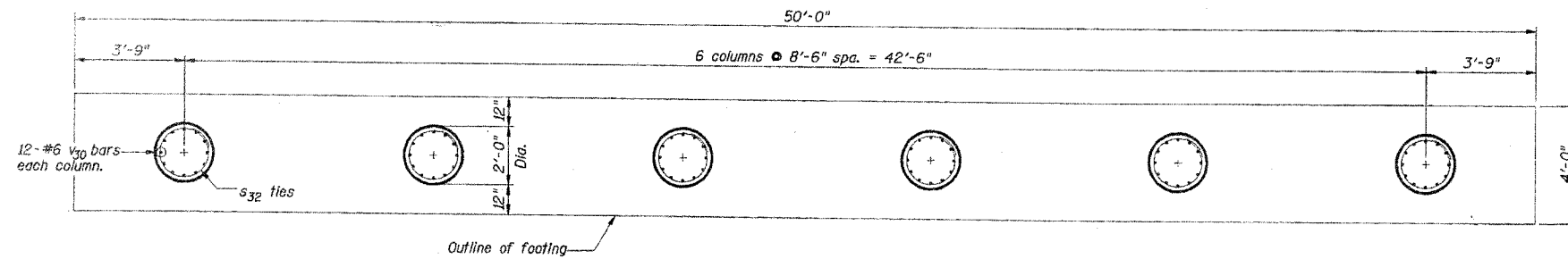
**SECTION D-D**  
(Perpendicular to  $\text{\textcircled{C}}$  of Pier)

DSGN	K.J. Hoffmann				
DR	K.J. Hoffmann				
CHK	J.A. Fraenhoffer				
APVD	J.A. Fraenhoffer	NO.	DATE	REVISION	BY

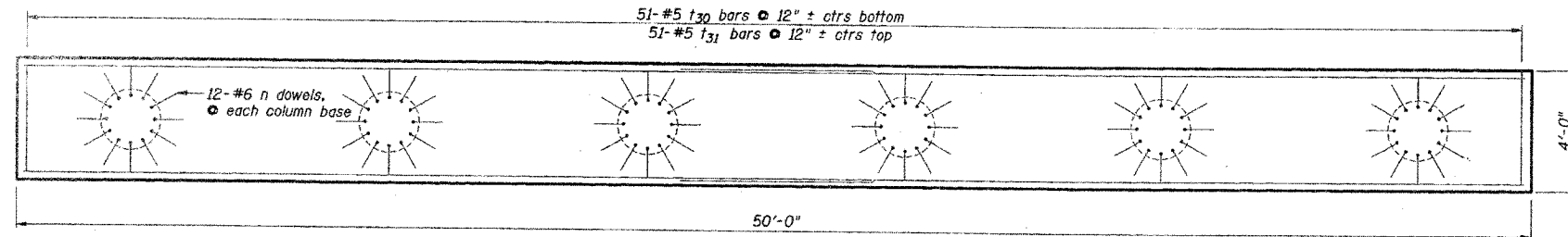
**FRAUENHOFFER**  
Frauenhoffer and Associates, P.C. Consulting Engineers  
3002 Crossing Court Champaign, Il. 61822 217-351-6268

**PIERS (SHEET 1 OF 2)**  
COUNTY HIGHWAY 38  
SECTION 05-00284-00-WR  
KANKAKEE COUNTY

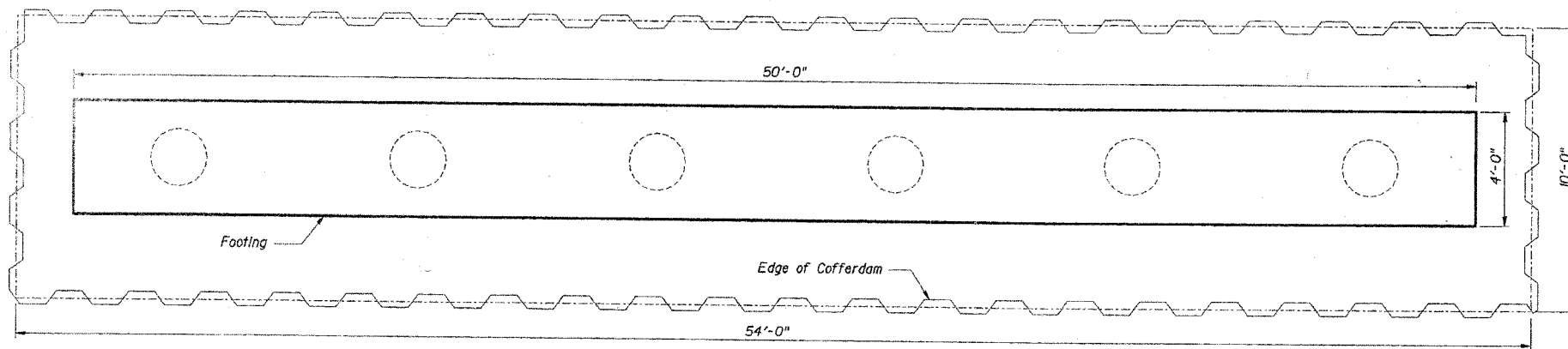
SHEET	52
DWG NO.	3104-PIER.dgn
DATE	JUL 2006
PROJ NO.	3104



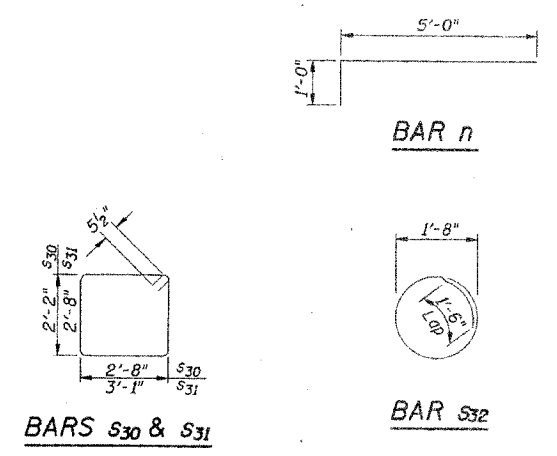
SECTION E-E



SECTION F-F



COFFERDAM PLAN



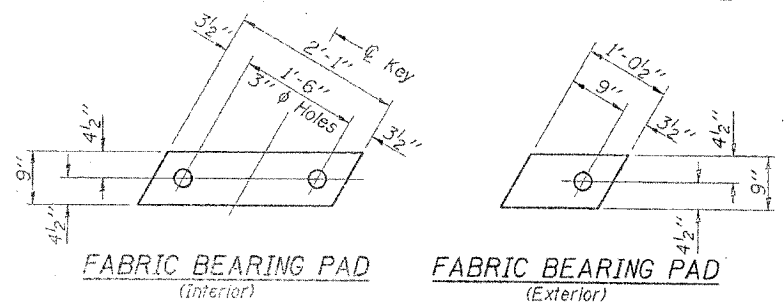
Bar	No.	Size	Length	Shape
n	144	# 6	6'-0"	—
p30	56	# 6	27'-2"	—
s30	114	# 5	10'-7"	□
s31	8	# 5	12'-5"	□
s32	168	# 4	6'-9"	○
t30	102	# 5	5'-6"	—
t31	102	# 5	3'-6"	—
u30	12	# 6	12'-10"	—
v30	144	# 6	15'-0"	—
w	56	# 8	28'-0"	—
Concrete Structures			Cu. Yds.	79.8
Reinforcement Bars			Lbs.	14,320
Rock Exc. for Structures			Cu. Yds.	15
Cofferdam Excavation			Cu. Yds.	220
Cofferdams			Each	2

DSGN	K.J. Hoffmann				
DR	K.J. Hoffmann				
CHK	J.A. Frauenhoffer				
APVD	J.A. Frauenhoffer	NO.	DATE	REVISION	BY

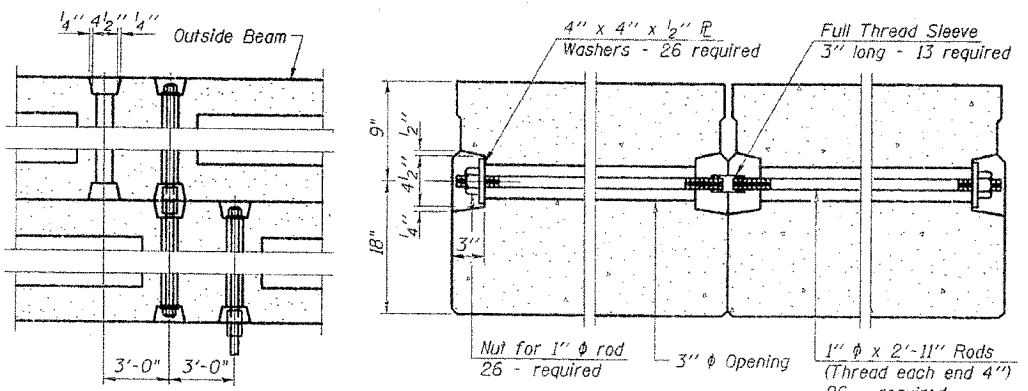
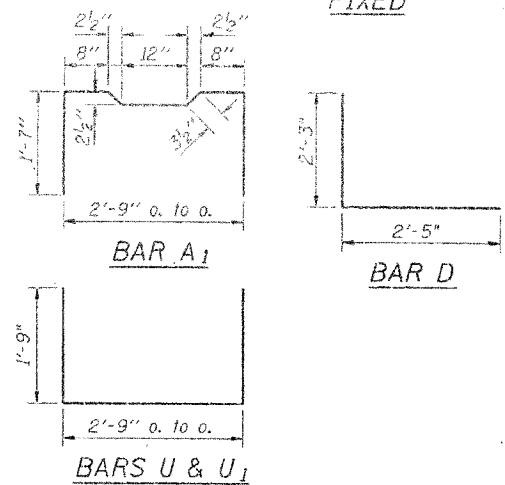
**FRAUENHOFFER**  
Frauenhoffer and Associates, P.C. Consulting Engineers  
3002 Crossing Court Champaign, Il. 61822 217-351-6268

PIERS (SHEET 2 OF 2)  
COUNTY HIGHWAY 38  
SECTION 05-00284-00-WR  
KANKAKEE COUNTY

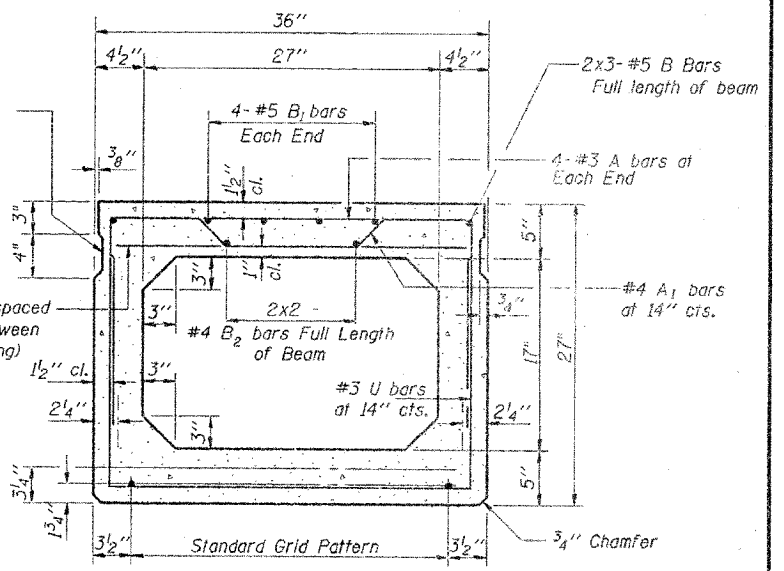
SHEET	53
DWG NO.	3104-PIER.dwg
DATE	JUL 2006
PROJ NO.	3104



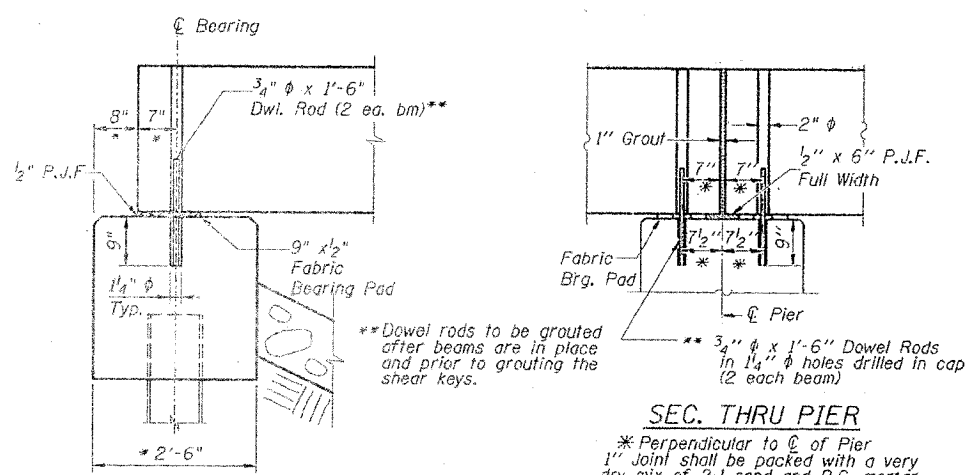
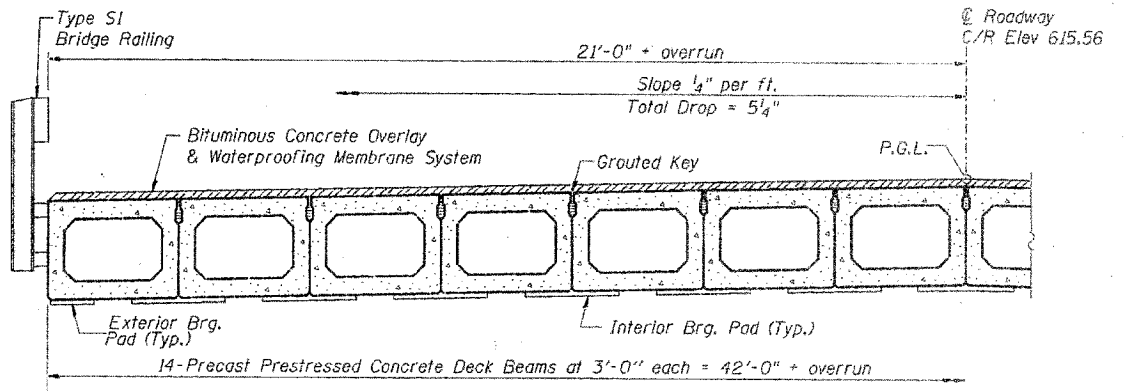
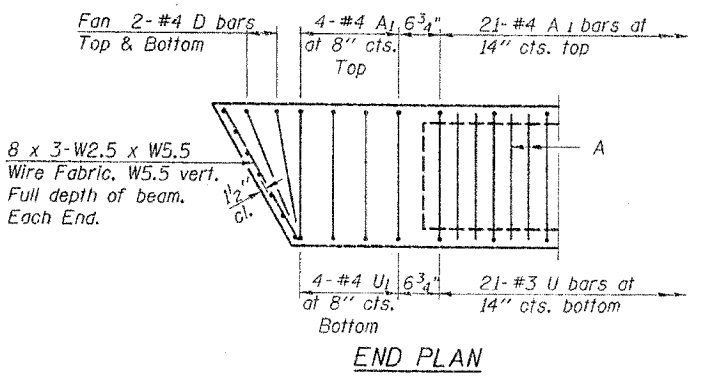
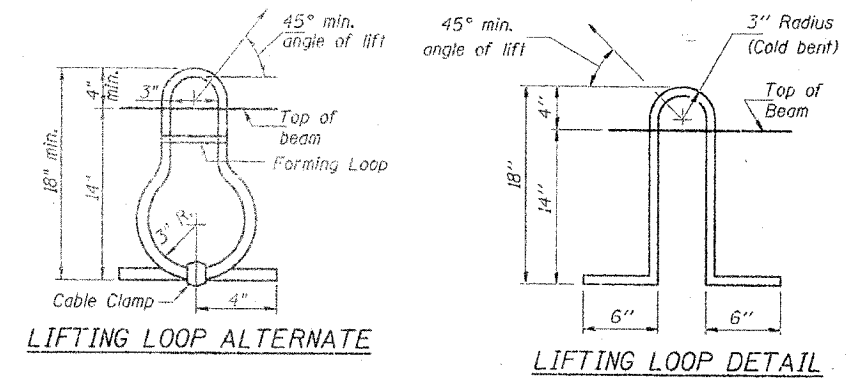
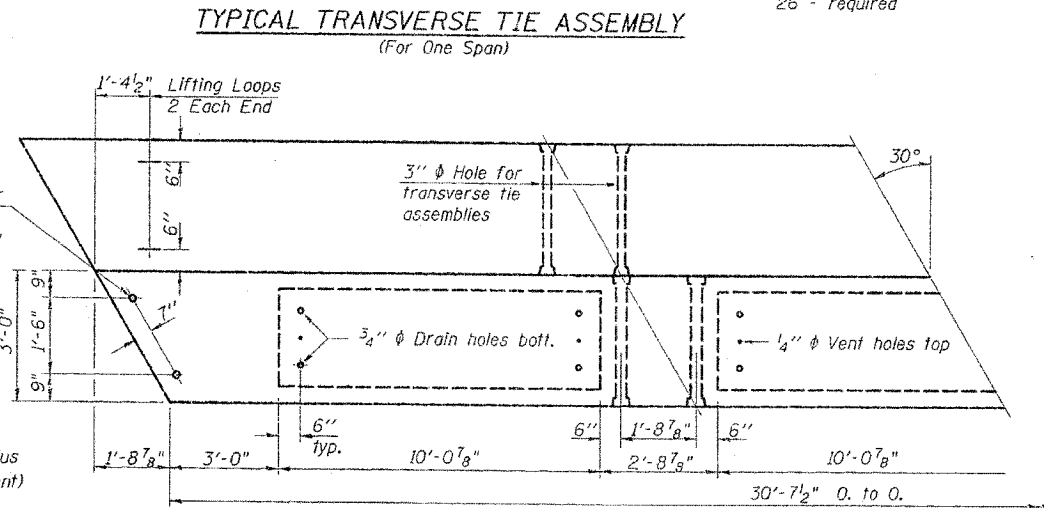
**FIXED**



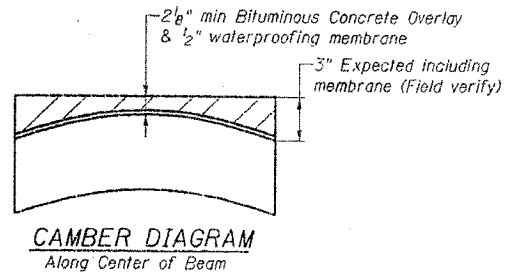
Omit key on exterior face of outside beams.



7-1/2" Strands Each Strand Stressed to 30,900 Lbs.  
 7-Strands 1 3/4" up  
 Note: Place strands symmetrically about center of beam.



**SEC. THRU PIER**  
 \* Perpendicular to center of pier  
 1 inch joint shall be packed with a very dry mix of 2:1 sand and P.C. mortar.  
 1 inch dimension may vary plus or minus to accommodate tolerance in beam lengths.



**NOTES**

Prestressing steel shall be uncoated high strength, low relaxation 7-wire strand, Grade 270. The nominal diameter shall be 1/2" and the nominal cross-sectional area shall be 0.153 sq. in. Lifting loops shall be 3/4" diameter, 6 x 25 class wire rope with fiber core and shall have a minimum ultimate tensile strength of 46,000 lbs. or 3-1/2" phi-270 ksi strands, as shown. The 1" phi rods in the transverse tie assembly shall be tightened to a snug fit and the threads set. Pockets that receive transverse tie bar on outside shall be filled with grout after transverse tie assembly is in place. Reinforcement bars shall conform to the requirements of AASHTO M-31, M-42 or M-53 Grade 60. The bearing seat surfaces shall be adjusted by shimming to assure firm and even bearing. Two 1/2" fabric adjusting shims of the dimensions of the Exterior Bearing Pad shall be provided for each bearing. Keyway surfaces shall be cleaned to remove form oil or other bond breaking material prior to shipment of the beams. Cleaning shall be done by sandblasting the keyway areas between top of the beam and the bottom edge of the key. A Corrosion Inhibitor, as covered in the Special Provisions, shall be used in the concrete for precast prestressed concrete deck beams. Required Release Strength, f'ci, shall be 4000 p.s.i.

**BILL OF MATERIAL**  
 ONE BEAM

Bar	No.	Size	Length	Shape
A	48	#3	2'-6"	
A <sub>1</sub>	29	#4	6'-1"	
B	6	#5	12'-6"	
B <sub>1</sub>	8	#5	6'-6"	
B <sub>2</sub>	4	#4	16'-9"	
D	8	#4	4'-8"	
U <sub>1</sub>	8	#4	6'-3"	
U	21	#3	6'-3"	

Precast Prestressed Conc. Deck Bms. Sq. Ft. 2573\*

\* Total Quantity of Beams for 2 spans

\* Perpendicular to center of abutment.

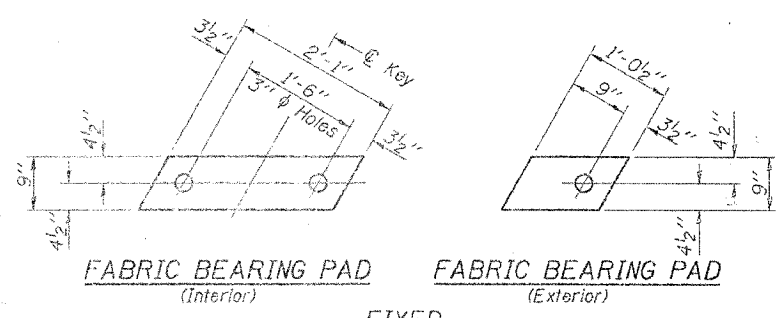
DSGN	K.J. Hoffmann				
DR	K.J. Hoffmann				
CHK	J.A. Frauenhoffer				
APVD	J.A. Frauenhoffer	NO.	DATE	REVISION	BY

**FRAUENHOFFER**  
 Frauenhoffer and Associates, P.C. Consulting Engineers  
 3002 Crossing Court Champaign, IL 61822 217-351-6268

**SUPERSTRUCTURE DETAILS - SPANS 1 & 3**

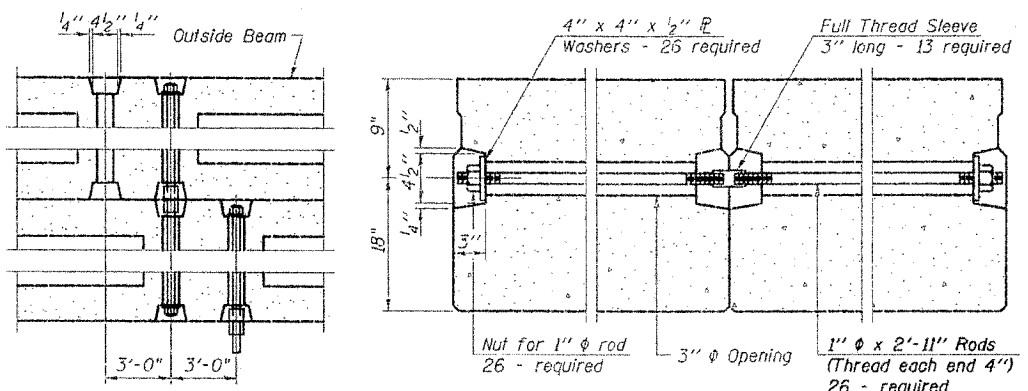
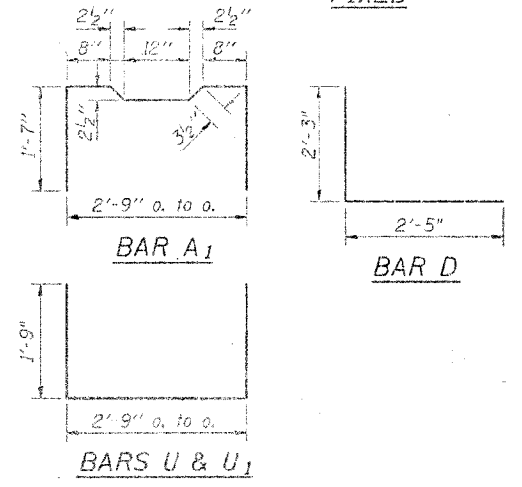
COUNTY HIGHWAY 38  
 SECTION 02-00284-00-WR  
 KANKAKEE COUNTY

SHEET 54  
 DWG NO. 3104-sup.dgn  
 DATE AUG 2006  
 PROJ NO. 3104

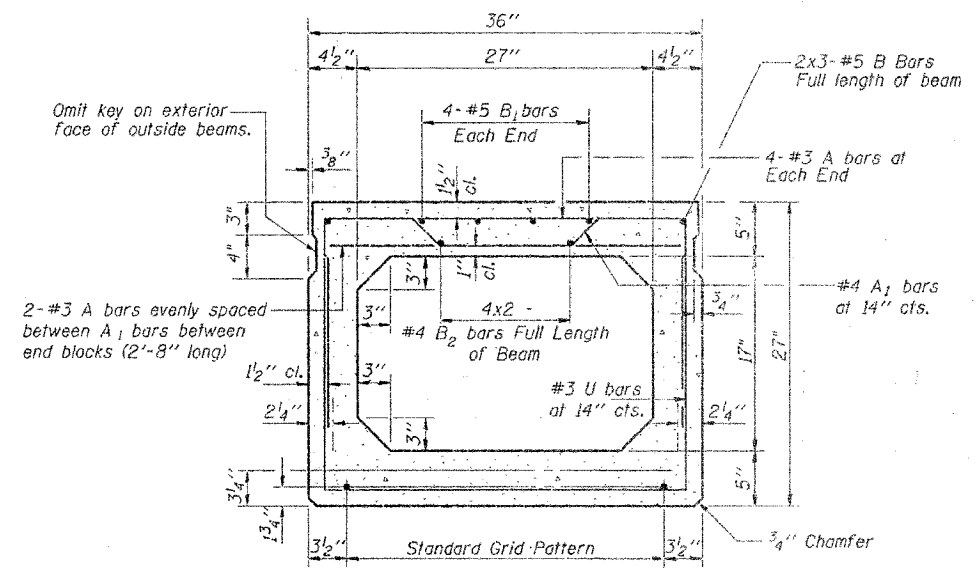


FABRIC BEARING PAD (Interior) FABRIC BEARING PAD (Exterior)

FIXED

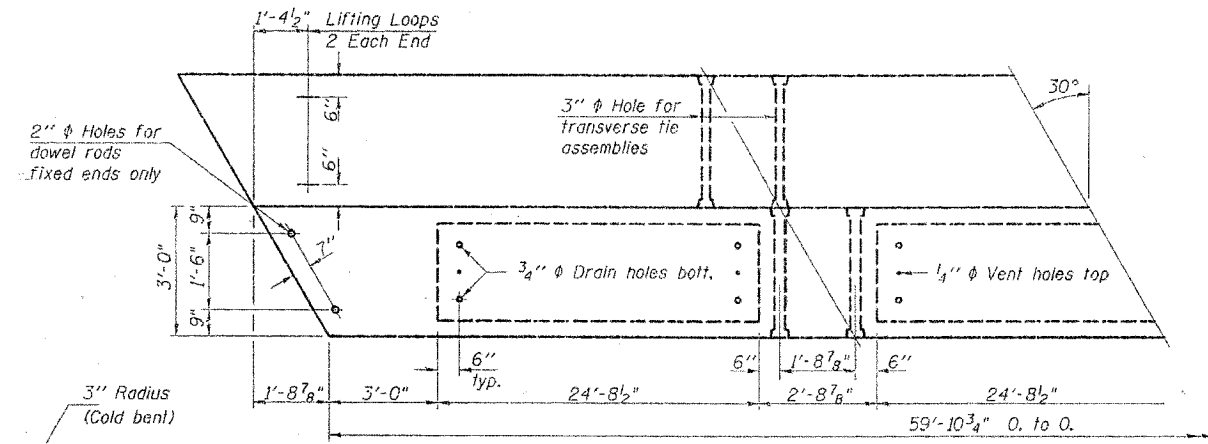


TYPICAL TRANSVERSE TIE ASSEMBLY

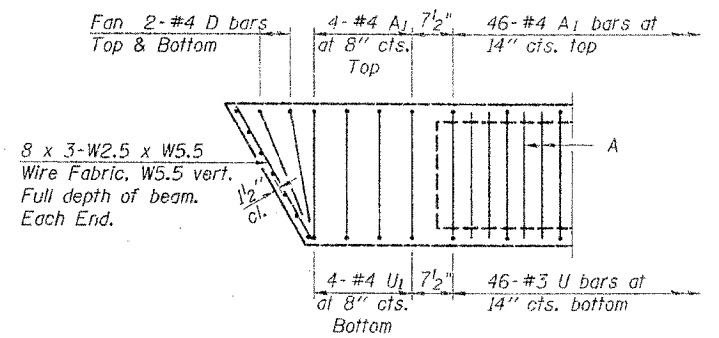


TYPICAL SECTION

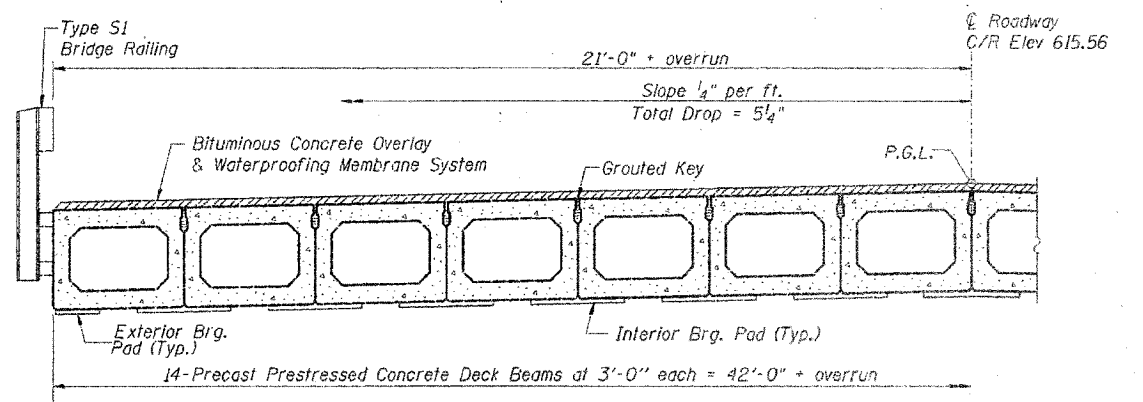
14-1/2" Strands Each Strand Stressed to 30,900 Lbs. 6-Strands 1 3/4" up, 6-Strands 3/4" up, 2-Strands 4 1/2" up. Note: Place strands symmetrically about C of beam.



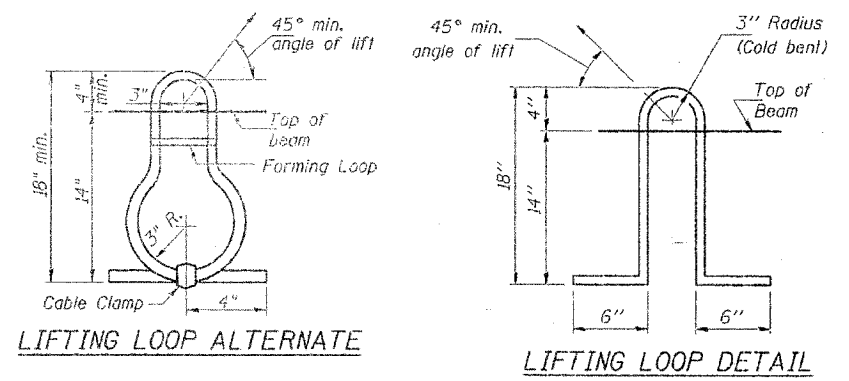
PLAN



END PLAN

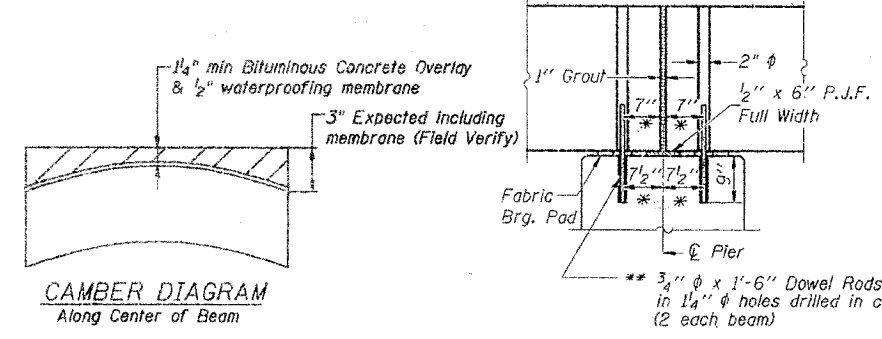


HALF CROSS SECTION

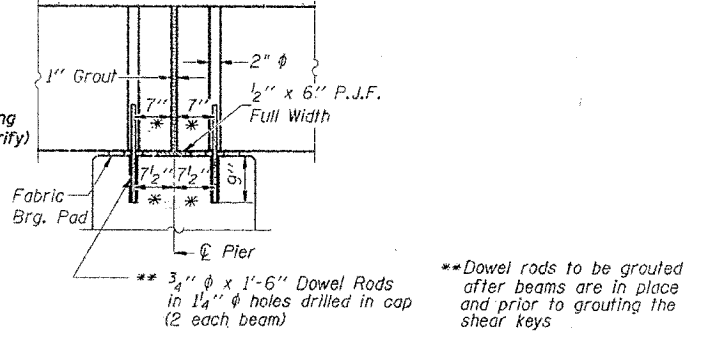


LIFTING LOOP ALTERNATE

LIFTING LOOP DETAIL



CAMBER DIAGRAM Along Center of Beam



SEC. THRU PIER

\* Perpendicular to C of Pier. 1" Joint shall be packed with a very dry mix of 2:1 sand and P.C. mortar. 1" Dimension may vary plus or minus to accommodate tolerance in beam lengths.

NOTES

Prestressing steel shall be uncoated high strength, low relaxation 7-wire strand, Grade 270. The nominal diameter shall be 1/2" and the nominal cross-sectional area shall be 0.153 sq. in. Lifting loops shall be 3/4" diameter, 6 x 25 class wire rope with fiber core and shall have a minimum ultimate tensile strength of 46,000 lbs. or 3-1/2" 270 ksi strands, as shown. The 1" rods in the transverse tie assembly shall be tightened to a snug fit and the threads set. Pockets that receive transverse tie bar on outside shall be filled with grout after transverse tie assembly is in place. Reinforcement bars shall conform to the requirements of AASHTO M-31, M-42 or M-53 Grade 60. The bearing seat surfaces shall be adjusted by shimming to assure firm and even bearing. Two 1/8" fabric adjusting shims of the dimensions of the Exterior Bearing Pad shall be provided for each bearing. Keyway surfaces shall be cleaned to remove form oil or other bond breaking material prior to shipment of the beams. Cleaning shall be done by sandblasting the keyway areas between top of the beam and the bottom edge of the key. A Corrosion Inhibitor, as covered in the Special Provisions, shall be used in the concrete for precast prestressed concrete deck beams. Required Release Strength, f'ci, shall be 4000 p.s.i.

BILL OF MATERIAL

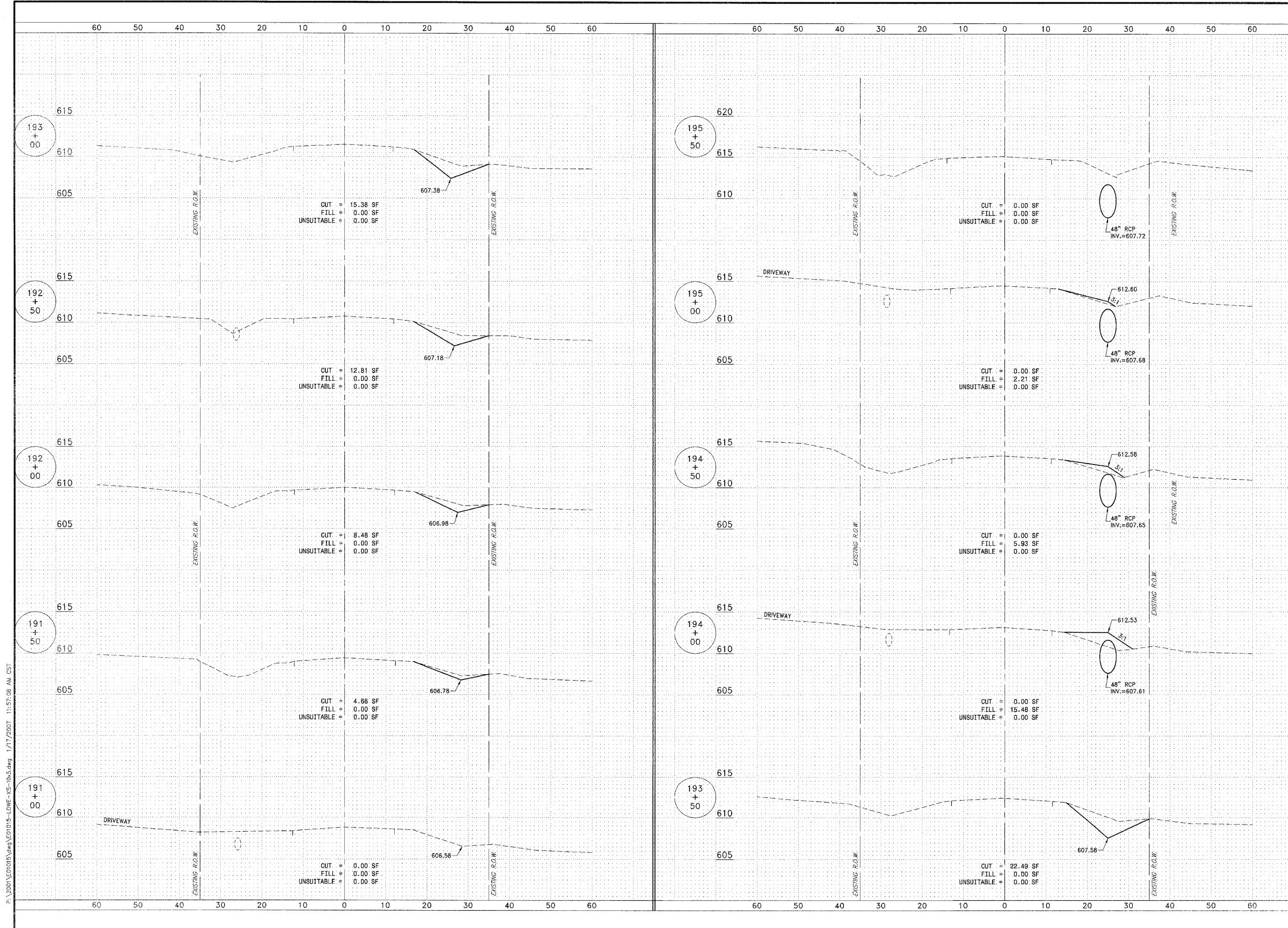
Bar	No.	Size	Length	Shape
A	98	#3	2'-8"	—
Aj	54	#4	6'-1"	—
B	6	#5	21'-8"	—
B1	8	#5	12'-6"	—
B2	8	#4	17'-3"	—
D	8	#4	4'-8"	—
U1	8	#4	6'-3"	—
U	46	#3	6'-3"	—
Precast Prestressed Conc. Deck Bms.				Sq. Ft. 2516*

\* Total Quantity of Beams for one span

DSGN	K.J. Hoffmann					<b>FRAUENHÖFFER</b> Frauenhoffer and Associates, P.C. Consulting Engineers 3002 Crossing Court Champaign, IL 61822 217-351-6268
DR	K.J. Hoffmann					
CHK	J.A. Frauenhoffer					
APVR	J.A. Frauenhoffer	NO.	DATE	REVISION	BY	







FAU. R/O.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		KANKAKEE	83	57

CONTRACT NO. 87314  
 FED. ROAD DIST. NO. ILLINOIS | FED. AID PROJECT  
 \* LOWE RD. FAU 6209/WALDRON RD. FAU 6184  
 \*\* 02-00284-00-WR & 01-00017-00-FP

**TYSON ENGINEERING, INC.**  
 CONSULTING CIVIL ENGINEERS  
 LAND SURVEYORS  
 DESIGN FIRM LICENSE #184-001136  
 367 SOUTH SCHUYLER AVENUE  
 KANKAKEE, ILLINOIS 60901  
 PHONE (815) 932-7406

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 Do not scale drawings. Use dimensions only.  
 Contractor shall be responsible for verifying all dimensions.  
 Information hereon and herein is confidential.

REVISIONS				
NO.	DATE	BY	DESCRIPTION	
3	10/24/06	MRG	PER IDOT REVIEW	
4	12/28/06	MRG	PER COUNTY REV	

**WALDRON ROAD  
CROSS SECTIONS  
STA. 191+00 TO STA. 195+50**

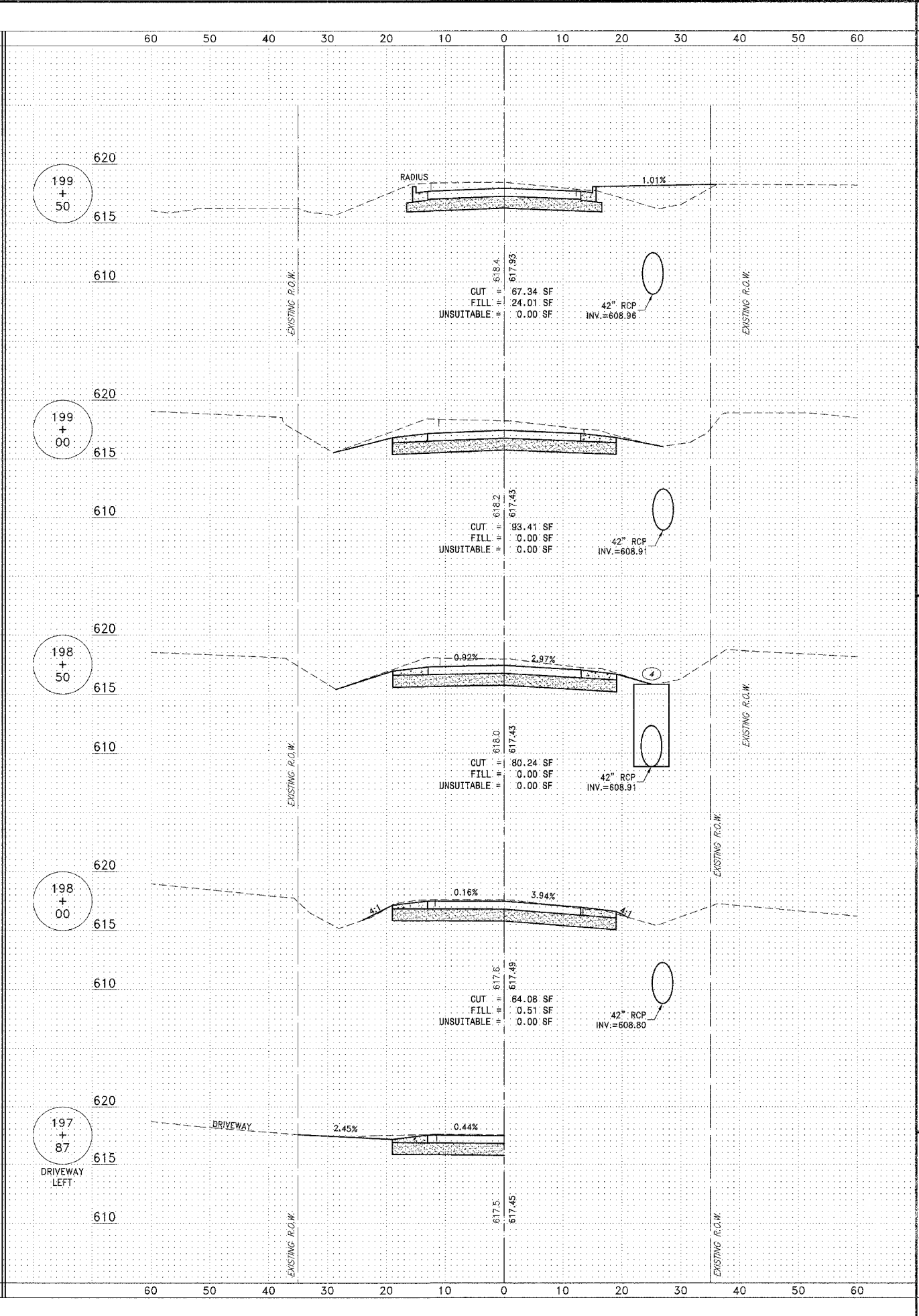
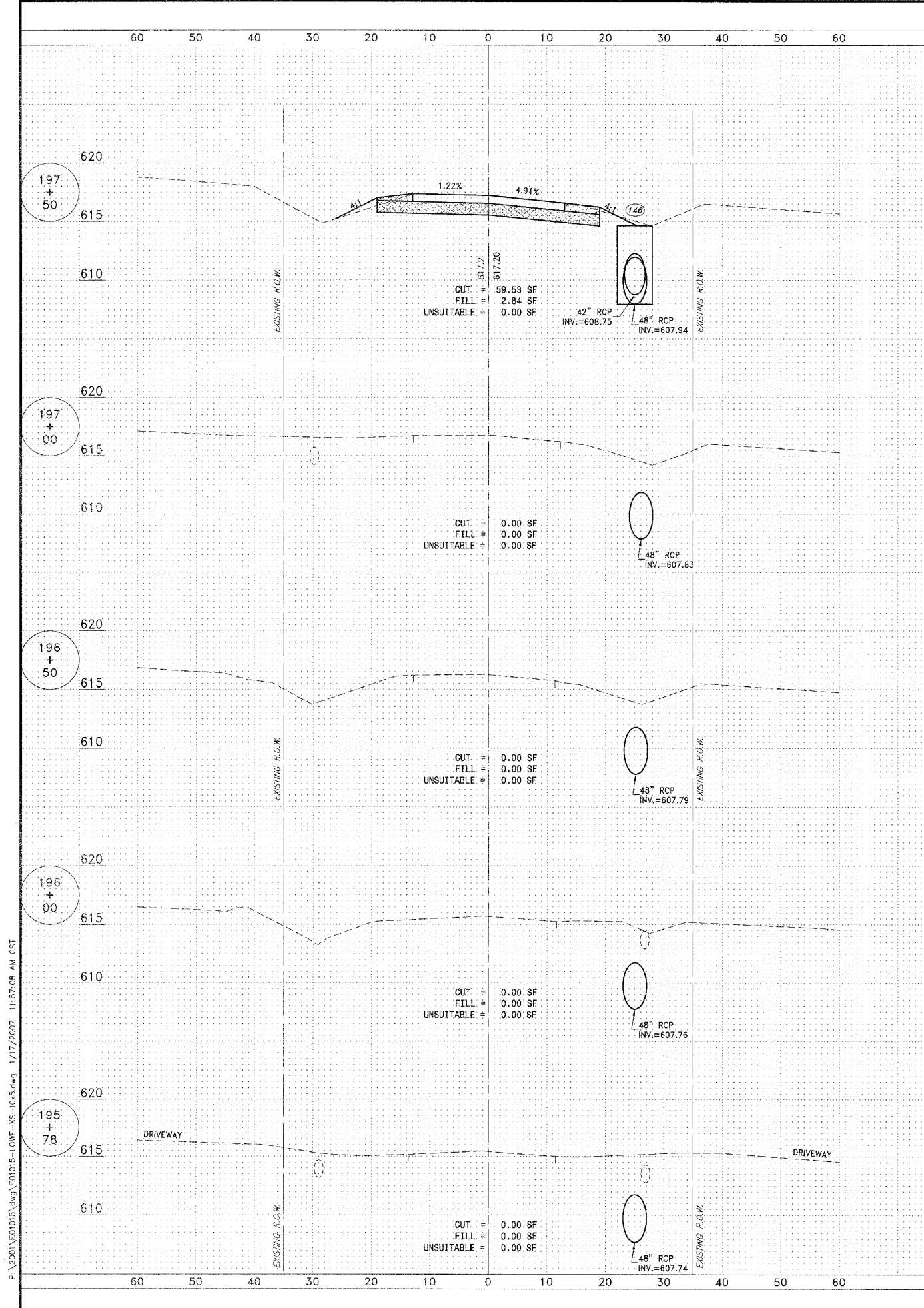
**PROPOSED IMPROVEMENTS FOR  
LOWE ROAD  
FROM IL-17 TO WALDRON ROAD  
WALDRON ROAD  
FROM CORP. LIMITS TO DIVISION STREET**

SECTION  
02-00284-00-WR &  
01-00017-00-FP

DATE: 07/10/06	JOB NO. E01015
SCALE: HORZ.: 1"=10' VERT.: 1"=5'	FILE NO.
DRAWN BY: MRG	SHEET
CHECKED BY: SRM	<b>57</b>

83

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FAU NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	83	58

CONTRACT NO. 87314

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT  
 \* LOWE RD. FAU 6209/WALDRON RD. FAU 6184  
 \*\* 02-00284-00-WR & 01-00017-00-FP

**TYSON ENGINEERING, INC.**  
 CONSULTING CIVIL ENGINEERS  
 LAND SURVEYORS  
 DESIGN FIRM LICENSE #184-001136  
 367 SOUTH SCHUYLER AVENUE  
 KANKAKEE, ILLINOIS 60901  
 PHONE (815) 932-7406

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REVISIONS			
NO.	DATE	BY	DESCRIPTION
3	10/24/06	MRG	PER IDOT REVIEW
4	12/29/06	MRG	PER COUNTY REV

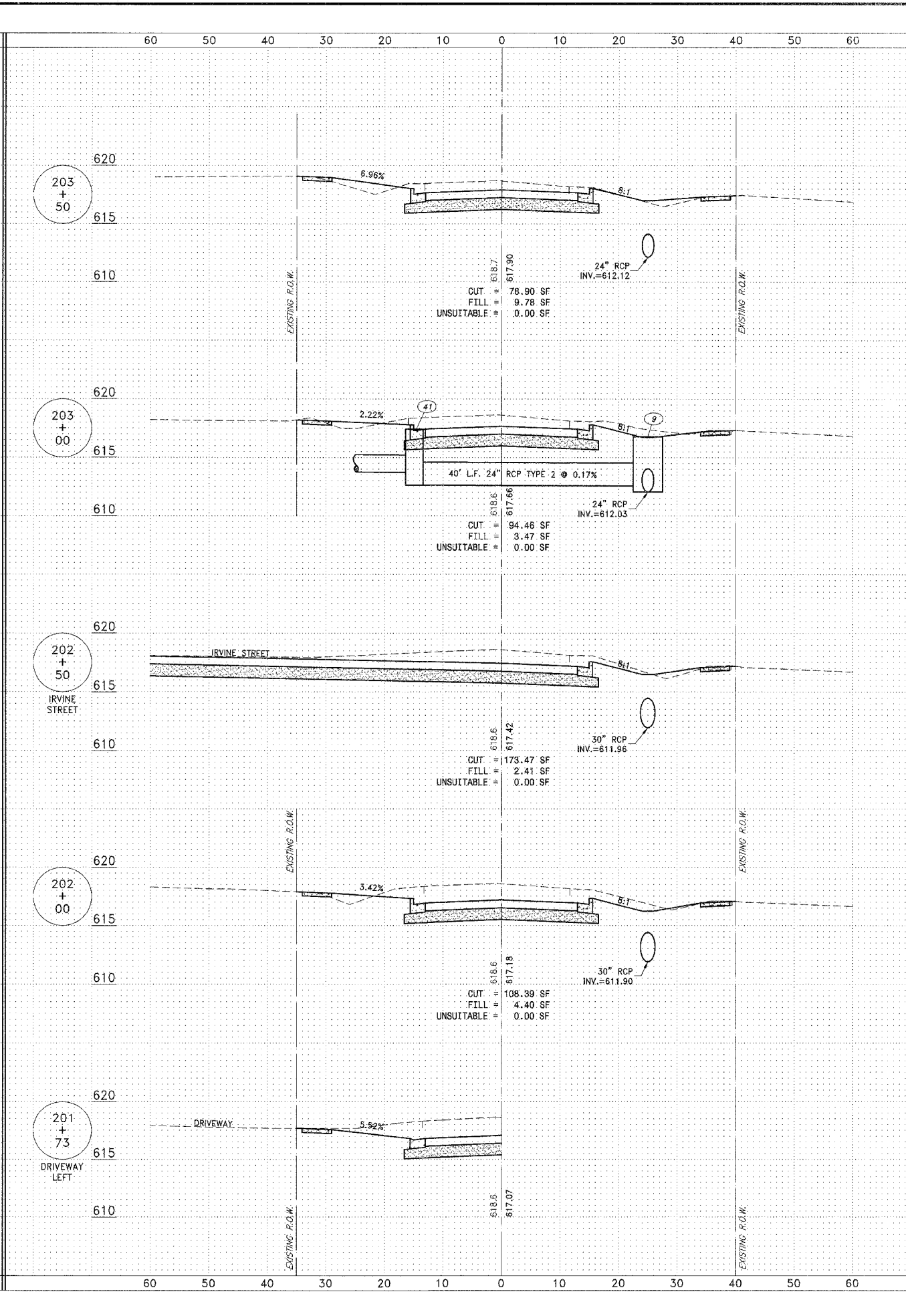
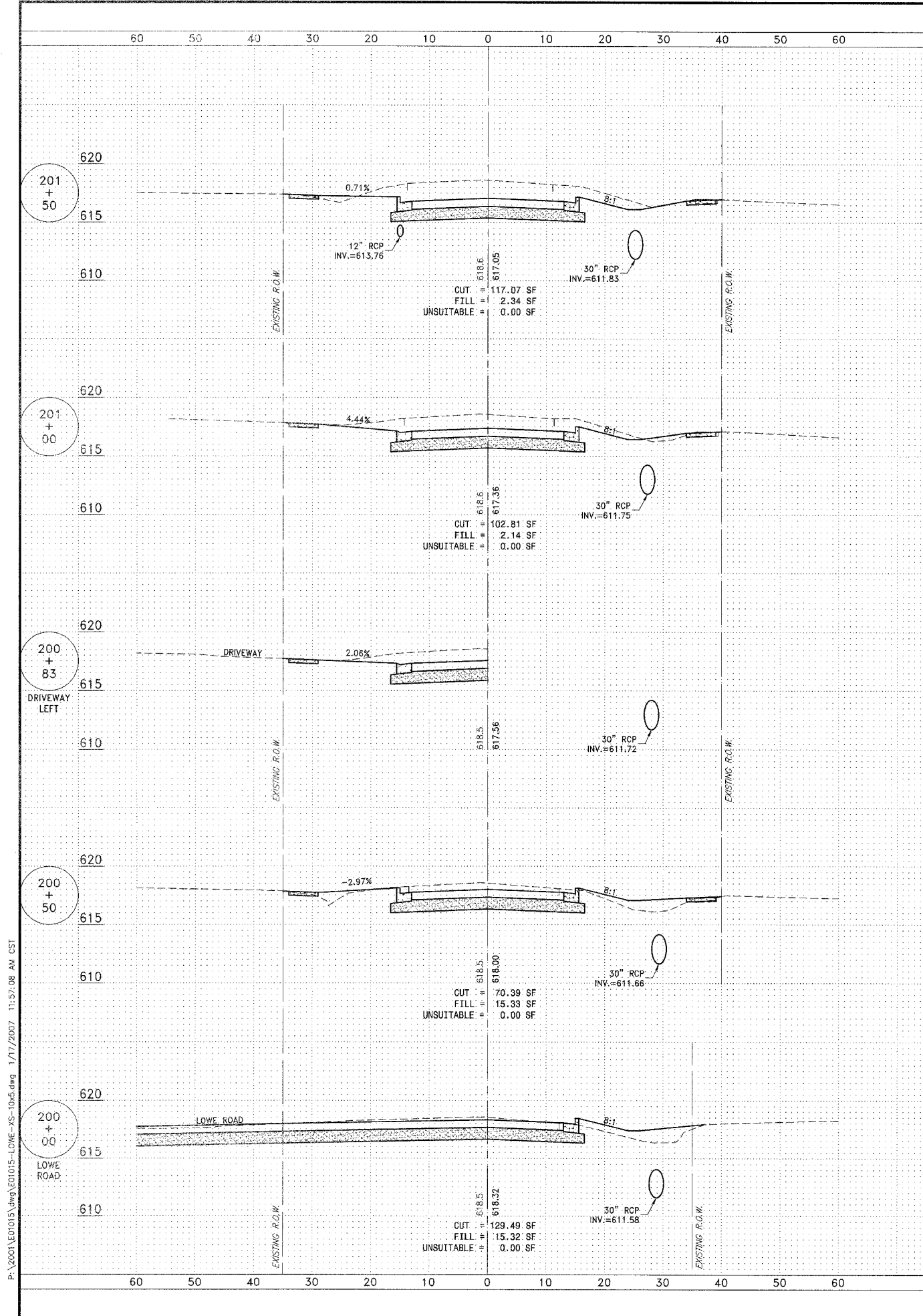
WALDRON ROAD  
 CROSS SECTIONS  
 STA. 195+78 TO STA. 199+50

PROJECT:  
**PROPOSED IMPROVEMENTS FOR  
 LOWE ROAD**  
 FROM IL-17 TO WALDRON ROAD  
**WALDRON ROAD**  
 FROM CORP. LIMITS TO DIVISION STREET

SECTION  
 02-00284-00-WR &  
 01-00017-00-FP

DATE:	07/10/06	JOB NO.	E01015
SCALE:	HORZ.: 1"=10' VERT.: 1"=5'	FILE NO.	
DRAWN BY:	MRG	SHEET	58
CHECKED BY:	SRM		83

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CONTRACT NO. 87314  
 COUNTY: KANKAKEE  
 SHEET NO.: 83 OF 99  
 PROJECT: LOWE RD. FAU 5209/WALDRON RD. FAU 6184  
 \*\* 02-00284-00-WR & 01-00017-00-FP

**TYSON ENGINEERING, INC.**  
 CONSULTING CIVIL ENGINEERS  
 LAND SURVEYORS  
 DESIGN FIRM LICENSE #184-001136  
 367 SOUTH SCHUYLER AVENUE  
 KANKAKEE, ILLINOIS 60901  
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REVISIONS			
NO.	DATE	BY	DESCRIPTION
3	10/24/06	MRG	PER IDOT REVIEW
4	12/29/06	MRG	PER COUNTY REV

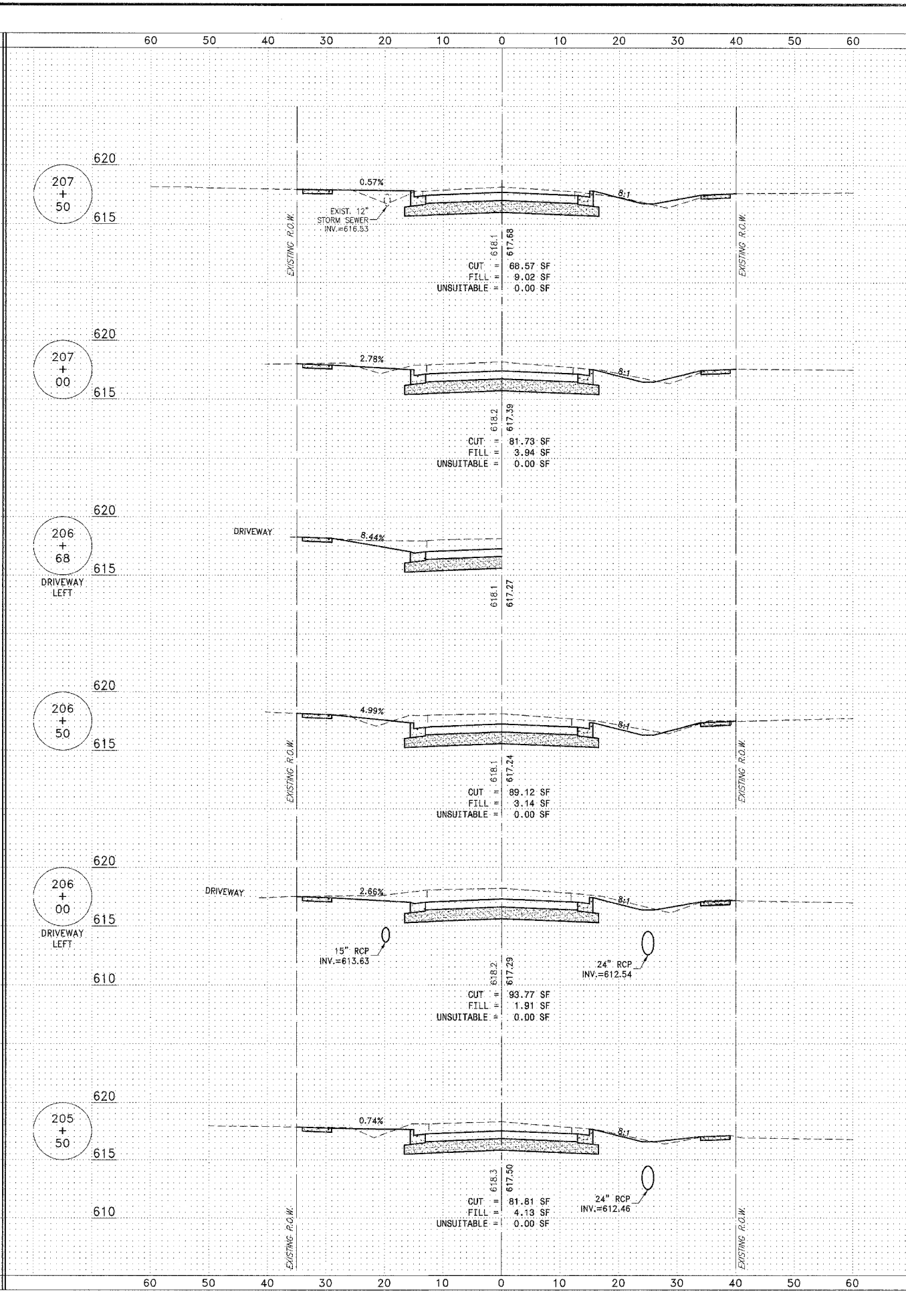
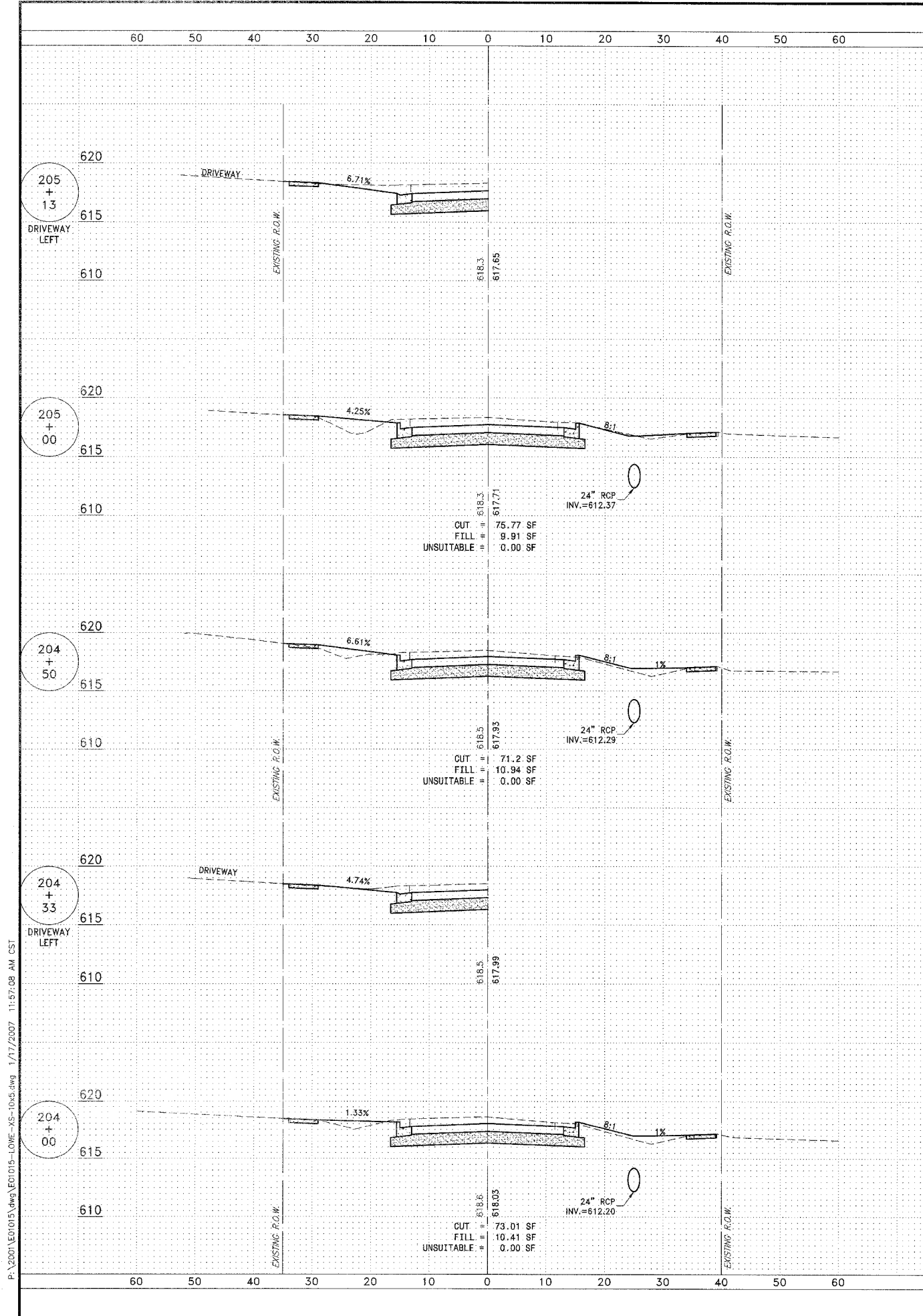
PROJECT: WALDRON ROAD CROSS SECTIONS  
 STA. 200+00 TO STA. 203+50

PROPOSED IMPROVEMENTS FOR  
**LOWE ROAD**  
 FROM IL-17 TO WALDRON ROAD  
**WALDRON ROAD**  
 FROM CORP. LIMITS TO DIVISION STREET

SECTION  
 02-00284-00-WR &  
 01-00017-00-FP

DATE: 07/10/06 JOB NO. E01015  
 SCALE: HORIZ.: 1"=10' FILE NO.  
 VERT.: 1"=5'  
 DRAWN BY: MRG SHEET  
 CHECKED BY: SRM **59**  
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FAU NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	83	60

CONTRACT NO. 87314  
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT  
 \* LOWE RD, FAU 6209/WALDRON RD, FAU 6184  
 \*\* 02-00284-00-WR & 01-00017-00-FP

**TYSON ENGINEERING, INC.**  
 CONSULTING CIVIL ENGINEERS  
 LAND SURVEYORS  
 DESIGN FIRM LICENSE #184-001136  
 367 SOUTH SCHUYLER AVENUE  
 KANKAKEE, ILLINOIS 60901  
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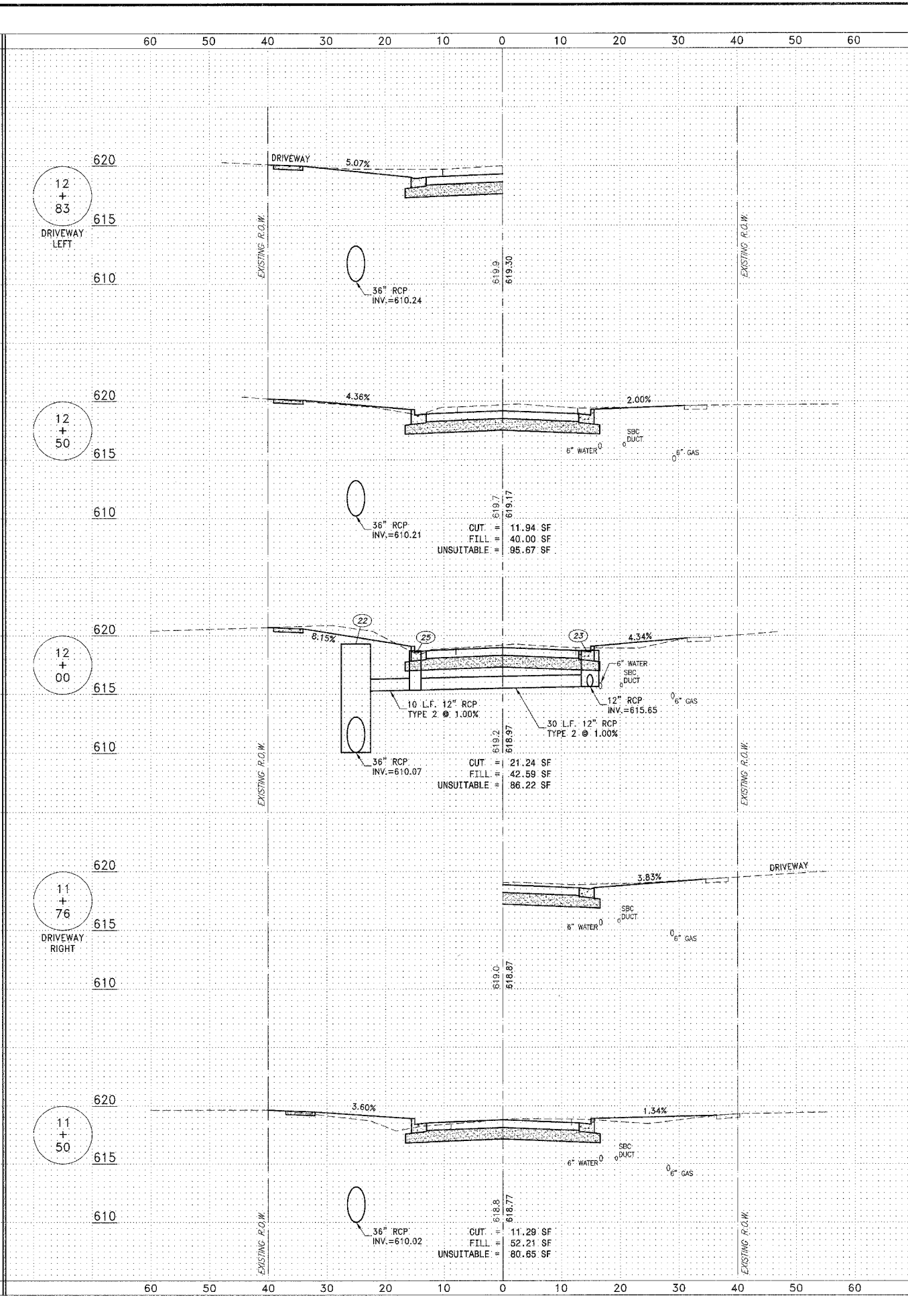
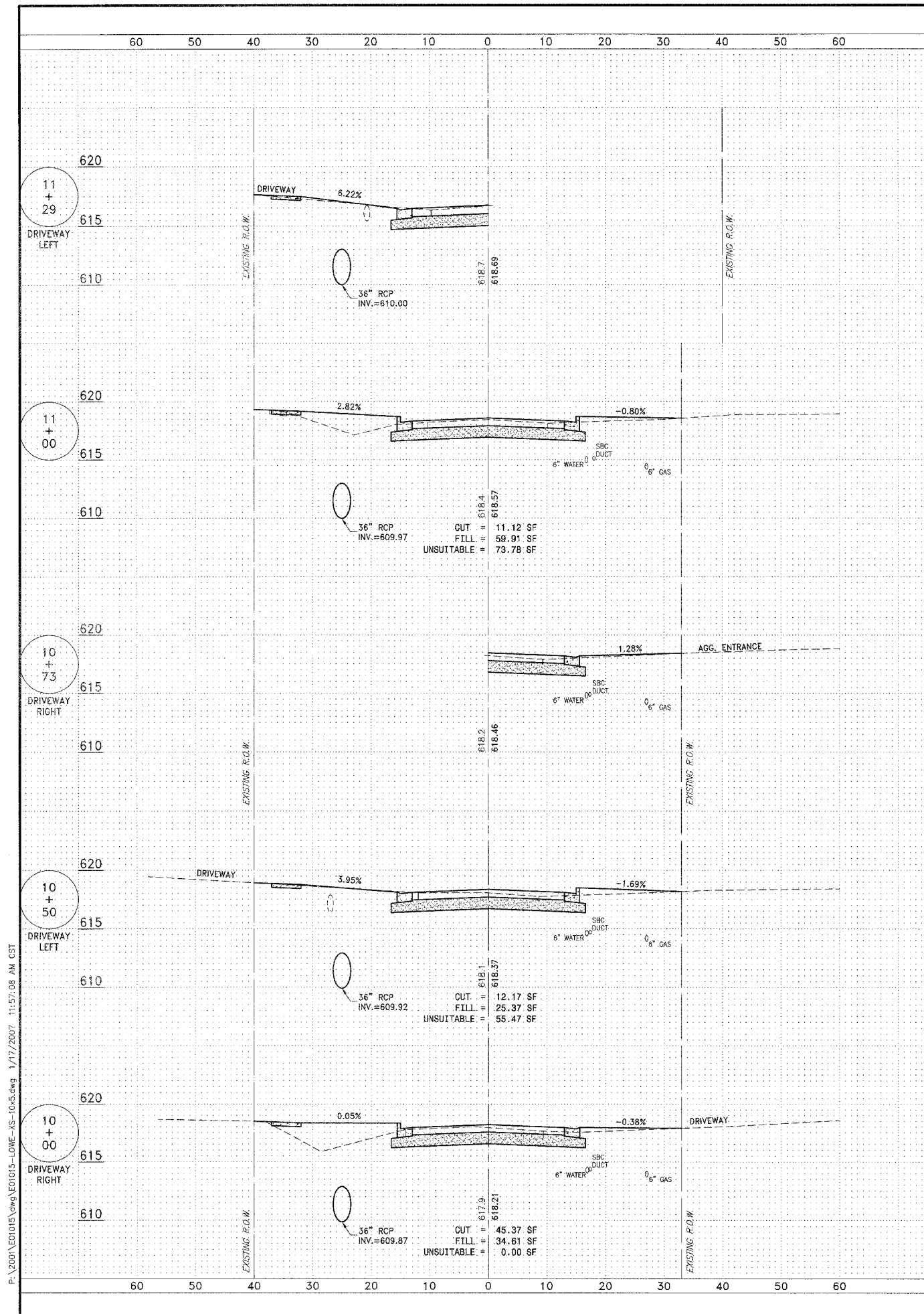
REVISIONS				
NO.	DATE	BY	DESCRIPTION	
3	10/24/06	MRG	PER IDOT REVIEW	
4	12/29/06	MRG	PER COUNTY REV	

PROJECT:  
**PROPOSED IMPROVEMENTS FOR LOWE ROAD**  
 FROM IL-17 TO WALDRON ROAD  
**WALDRON ROAD**  
 FROM CORP. LIMITS TO DIVISION STREET

SECTION  
 02-00284-00-WR &  
 01-00017-00-FP

DATE:	07/10/06	JOB NO.	E01015
SCALE:	HORIZ.: 1"=10' VERT.: 1"=5'	FILE NO.	
DRAWN BY:	MRG	SHEET	60
CHECKED BY:	SRM		83

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PLAN SHEET	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	**	KANKAKEE	83	61

CONTRACT NO. 87314  
 FED. ROAD DIST. NO. ILLINOIS  
 FED. AID PROJECT  
 \* LOWE RD. FAU 6209/WALDRON RD. FAU 6184  
 \*\* 02-00284-00-WR & 01-00017-00-FP

**TYSON ENGINEERING, INC.**  
 CONSULTING CIVIL ENGINEERS  
 LAND SURVEYORS  
 DESIGN FIRM LICENSE #184-001136  
 367 SOUTH SCHUYLER AVENUE  
 KANKAKEE, ILLINOIS 60901  
 PHONE (815) 932-7406

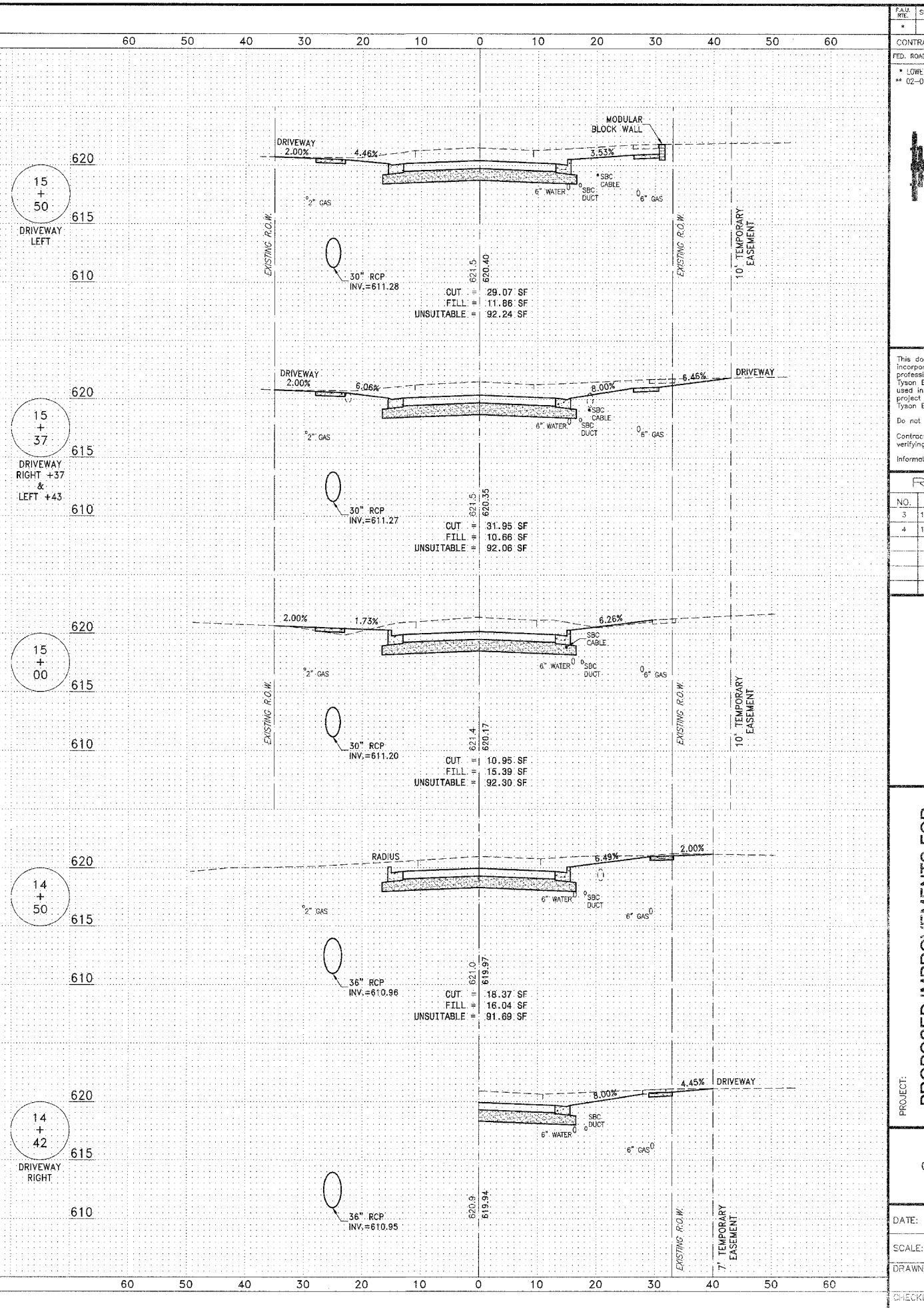
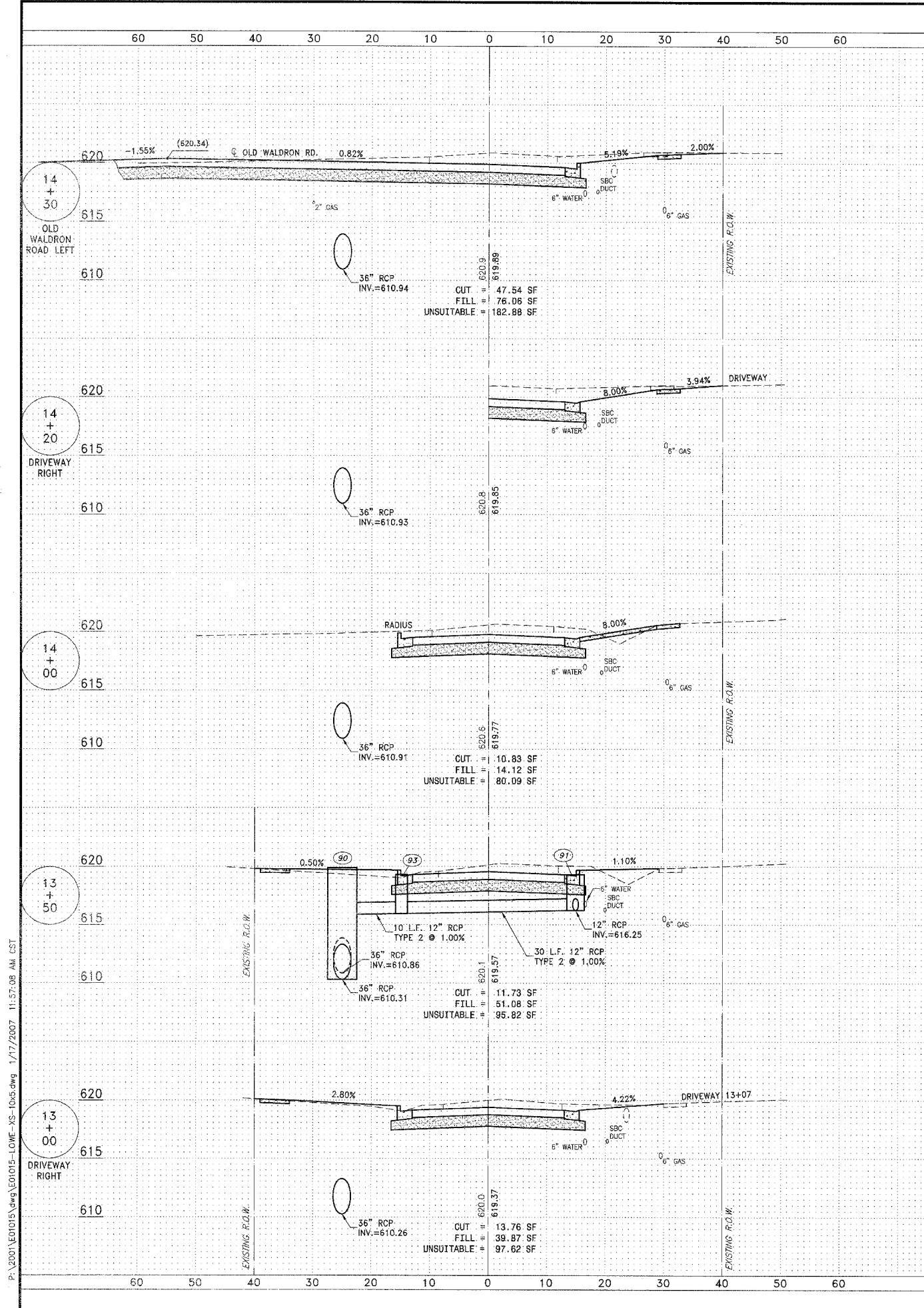
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REVISIONS			
NO.	DATE	BY	DESCRIPTION
3	10/24/06	MRG	PER IDOT REVIEW
4	12/29/06	MRG	PER COUNTY REV

PROJECT: **PROPOSED IMPROVEMENTS FOR LOWE ROAD**  
**LOWE ROAD**  
 FROM IL-17 TO WALDRON ROAD  
**WALDRON ROAD**  
 FROM CORP. LIMITS TO DIVISION STREET

SECTION  
 02-00284-00-WR &  
 01-00017-00-FP

DATE: 07/10/06	JOB NO. E01015
SCALE: HORIZ.: 1"=10' VERT.: 1"=5'	FILE NO.
DRAWN BY: MRG	SHEET
CHECKED BY: SRM	<b>61</b>



FAU NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	83	62

CONTRACT NO. 87314  
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT  
 \* LOWE RD. FAU 6209/WALDRON RD. FAU 6184  
 \*\* 02-00284-00-WR & 01-00017-00-FP

**TYSON ENGINEERING, INC.**  
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 DESIGN FIRM LICENSE #184-001138  
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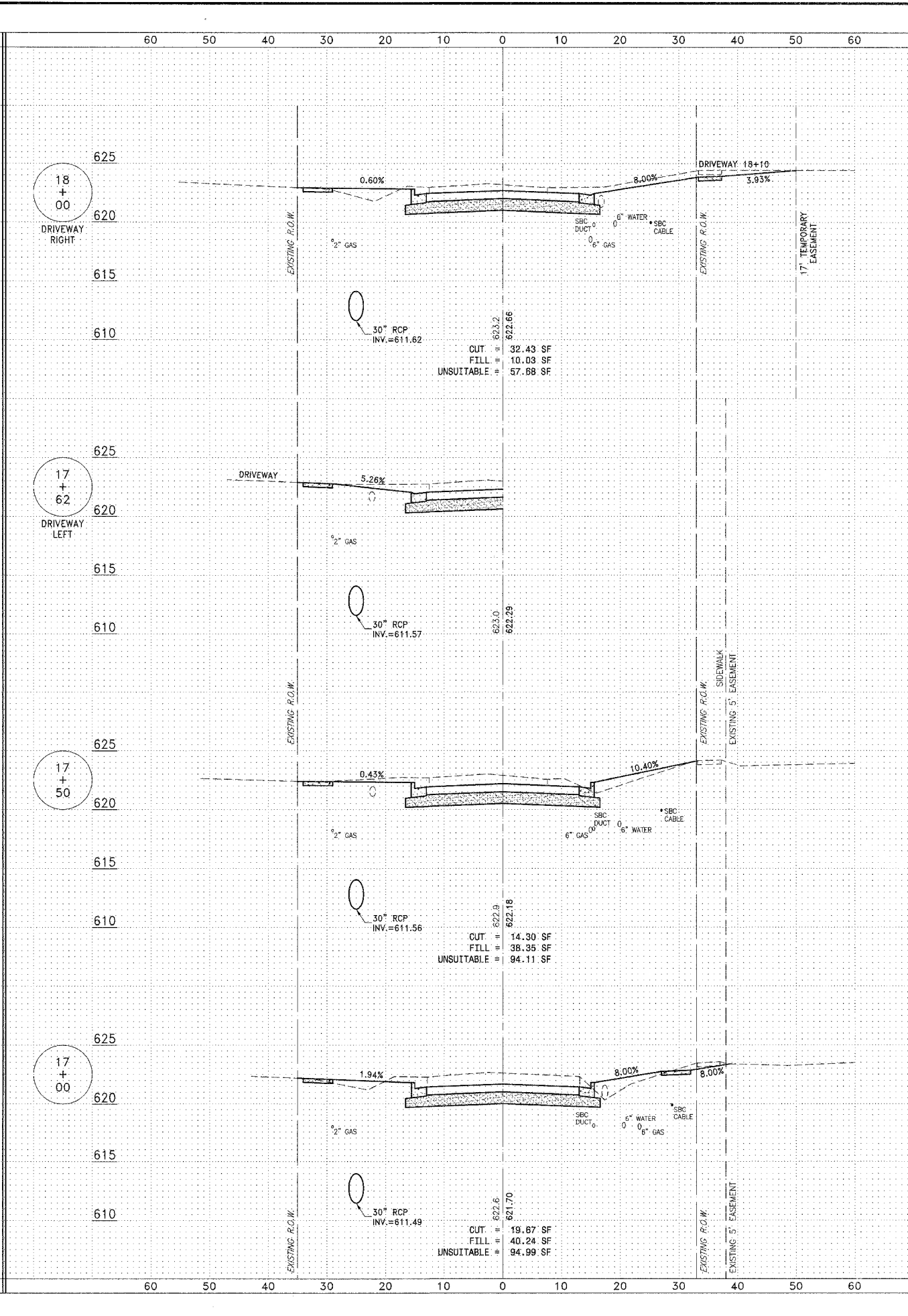
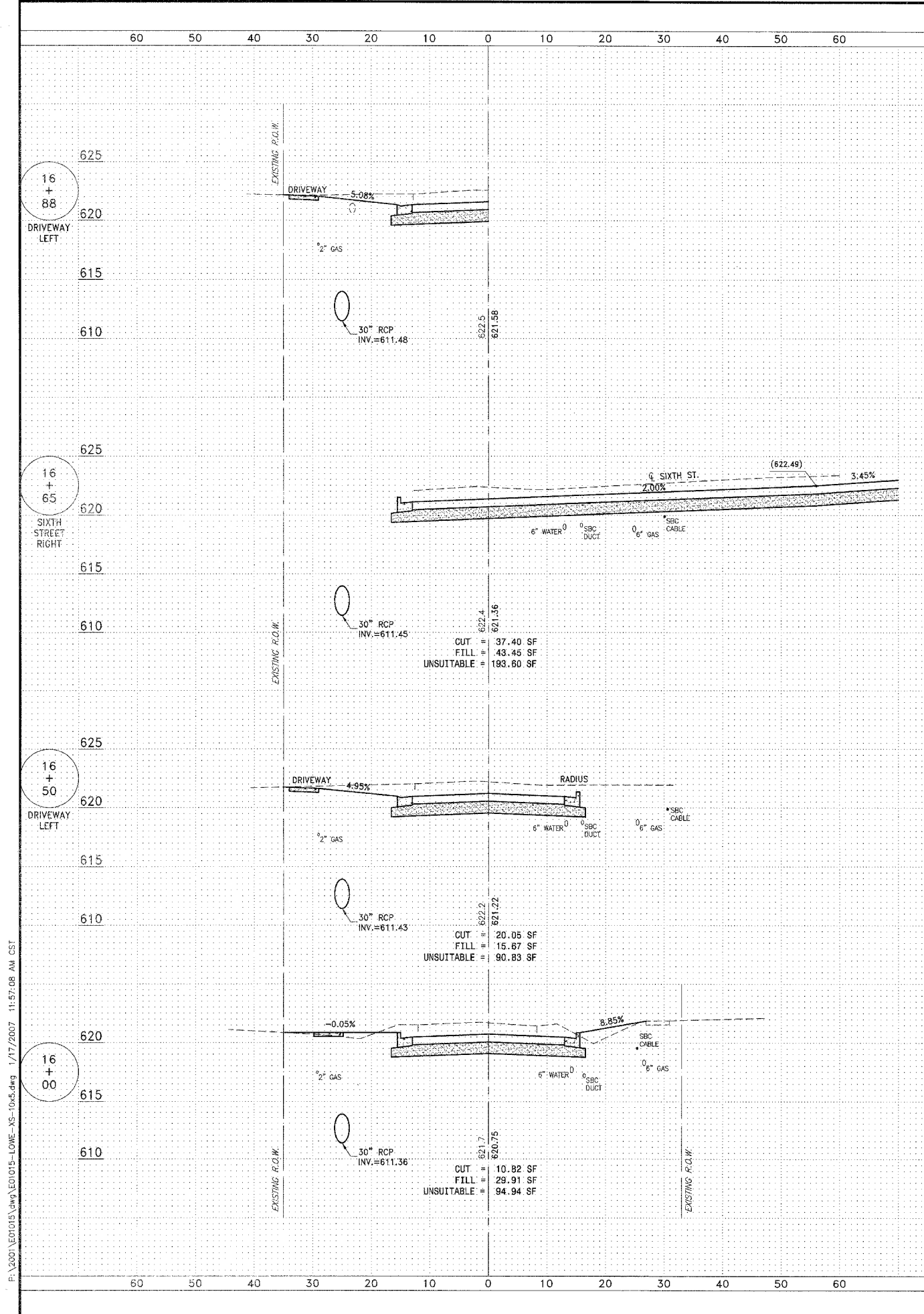
REVISIONS			
NO.	DATE	BY	DESCRIPTION
3	10/24/06	MRG	PER IDOT REVIEW
4	12/29/06	MRG	PER COUNTY REV

PROJECT: **PROPOSED IMPROVEMENTS FOR LOWE ROAD**  
**FROM IL-17 TO WALDRON ROAD**  
**WALDRON ROAD**  
**FROM CORP. LIMITS TO DIVISION STREET**

SECTION  
 02-00284-00-WR &  
 01-00017-00-FP

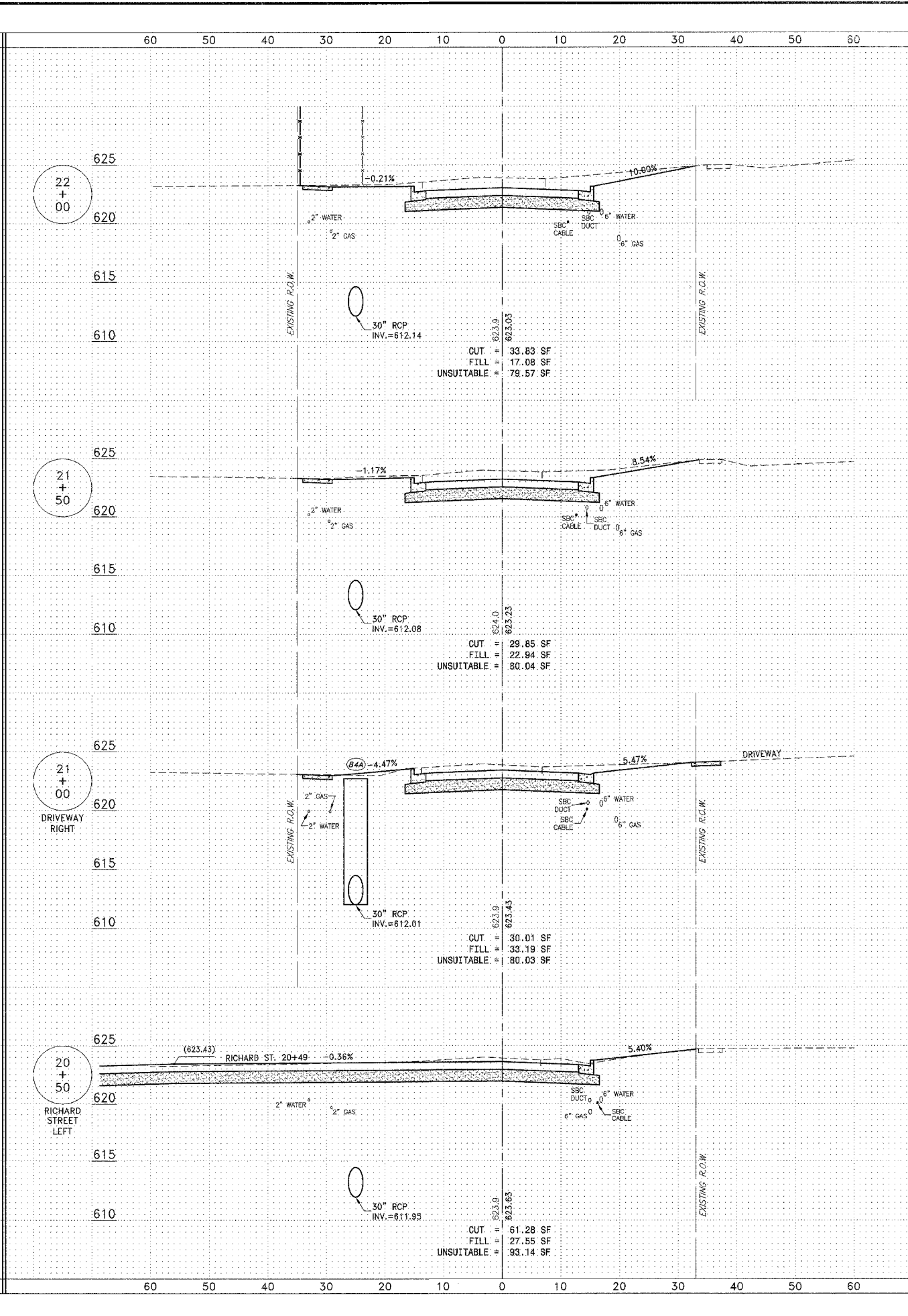
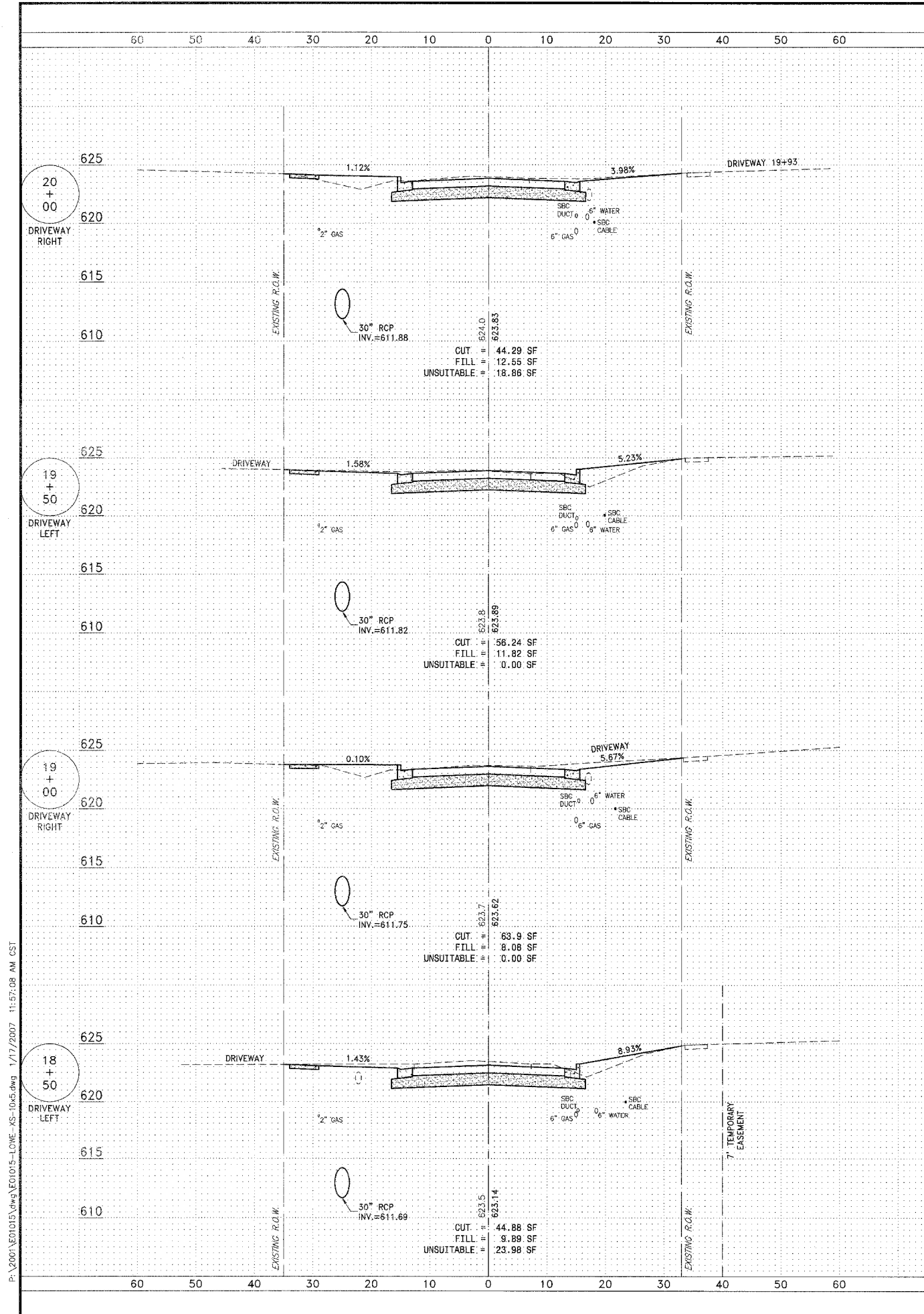
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 VERT.: 1"=5'  
 DRAWN BY: MRG SHEET  
 CHECKED BY: SRM **62**  
 83

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FAU DIST. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	**	KANKAKEE	83	63
CONTRACT NO. 87314				
FED. ROAD DIST. NO. ILLINOIS				
FED. AID PROJECT				
* LOWE RD. FAU 5209/WALDRON RD. FAU 6184				
** 02-00284-00-WR & 01-00017-00-FP				
 <b>TYSON ENGINEERING, INC.</b> CONSULTING CIVIL ENGINEERS LAND SURVEYORS DESIGN FIRM LICENSE #184-001136 367 SOUTH SCHUYLER AVENUE KANKAKEE, ILLINOIS 60901 PHONE (815) 932-7406				
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<b>REVISIONS</b>				
NO.	DATE	BY	DESCRIPTION	
3	10/24/06	MRG	PER IDOT REVIEW	
4	12/29/06	MRG	PER COUNTY REV	
<b>PROPOSED IMPROVEMENTS FOR</b> <b>LOWE ROAD</b> FROM IL-17 TO WALDRON ROAD <b>WALDRON ROAD</b> FROM CORP. LIMITS TO DIVISION STREET				
<b>SECTION</b> 02-00284-00-WR & 01-00017-00-FP				
DATE:	07/10/06	JOB NO.	E01015	
SCALE:	HORIZ.: 1"=10'	FILE NO.		
DRAWN BY:	MRG	SHEET		
CHECKED BY:	SRM	<b>63</b>		
		83		

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CONTRACT NO. 87314  
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT  
 \* LOWE RD. FAU 6209/WALDRON RD. FAU 6184  
 \*\* 02-00284-00-WR & 01-00017-00-FP

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 DESIGN FIRM LICENSE #184-001136  
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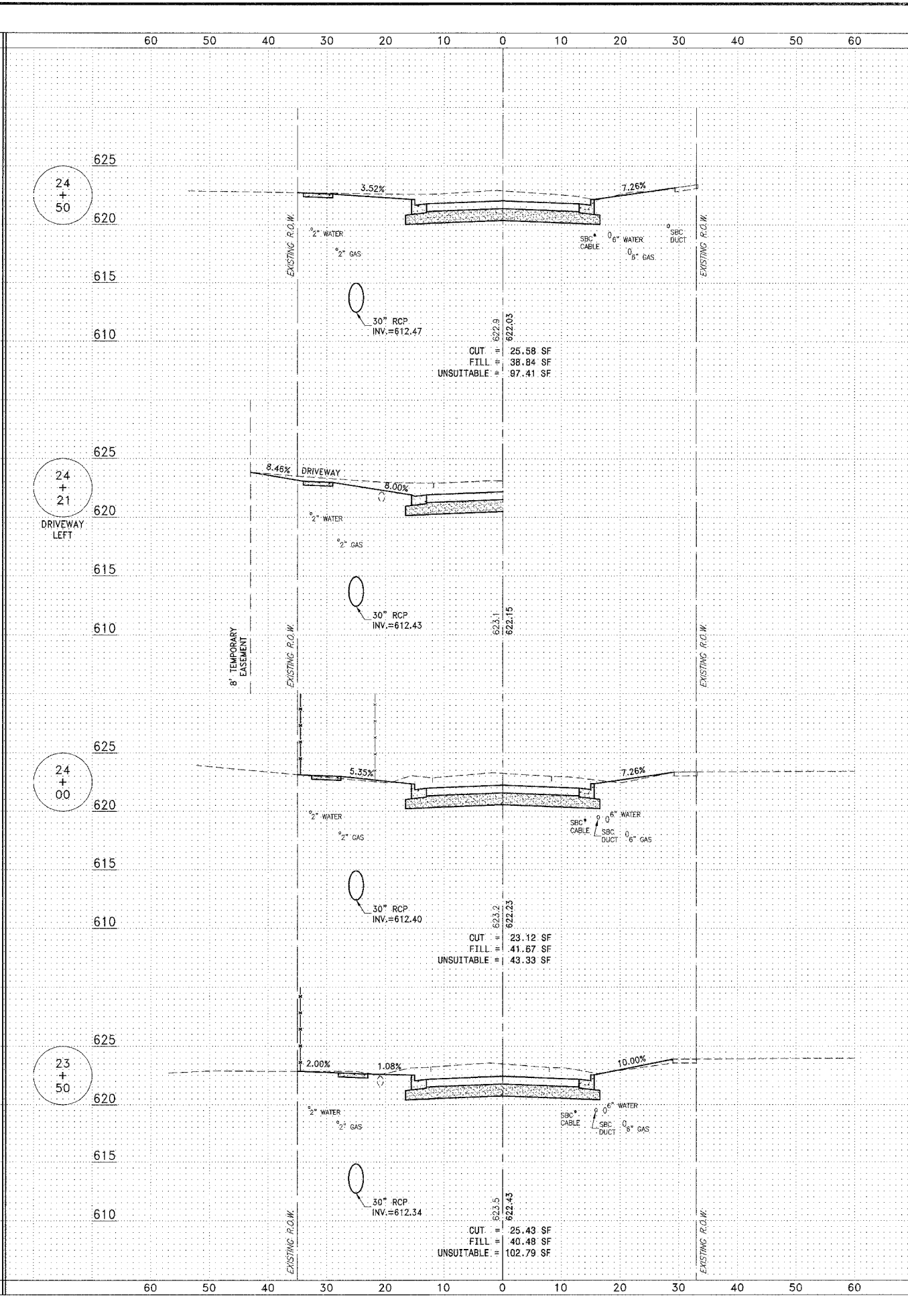
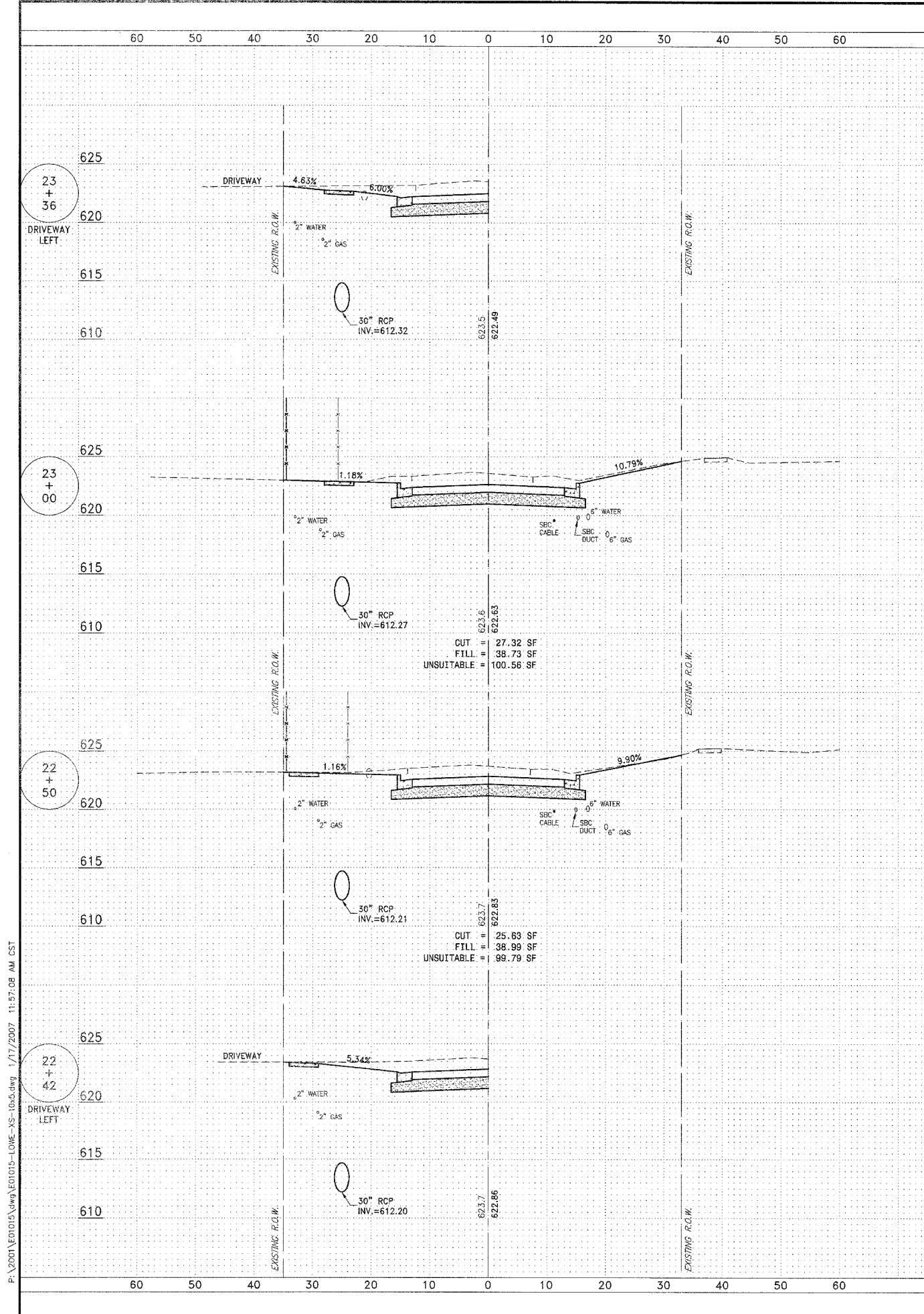
REVISIONS			
NO.	DATE	BY	DESCRIPTION
3	10/24/06	MRG	PER IDOT REVIEW
4	12/29/06	MRG	PER COUNTY REV

PROJECT: **PROPOSED IMPROVEMENTS FOR LOWE ROAD**  
 FROM IL-17 TO WALDRON ROAD  
**WALDRON ROAD**  
 FROM CORP. LIMITS TO DIVISION STREET

SECTION  
 02-00284-00-WR &  
 01-00017-00-FP

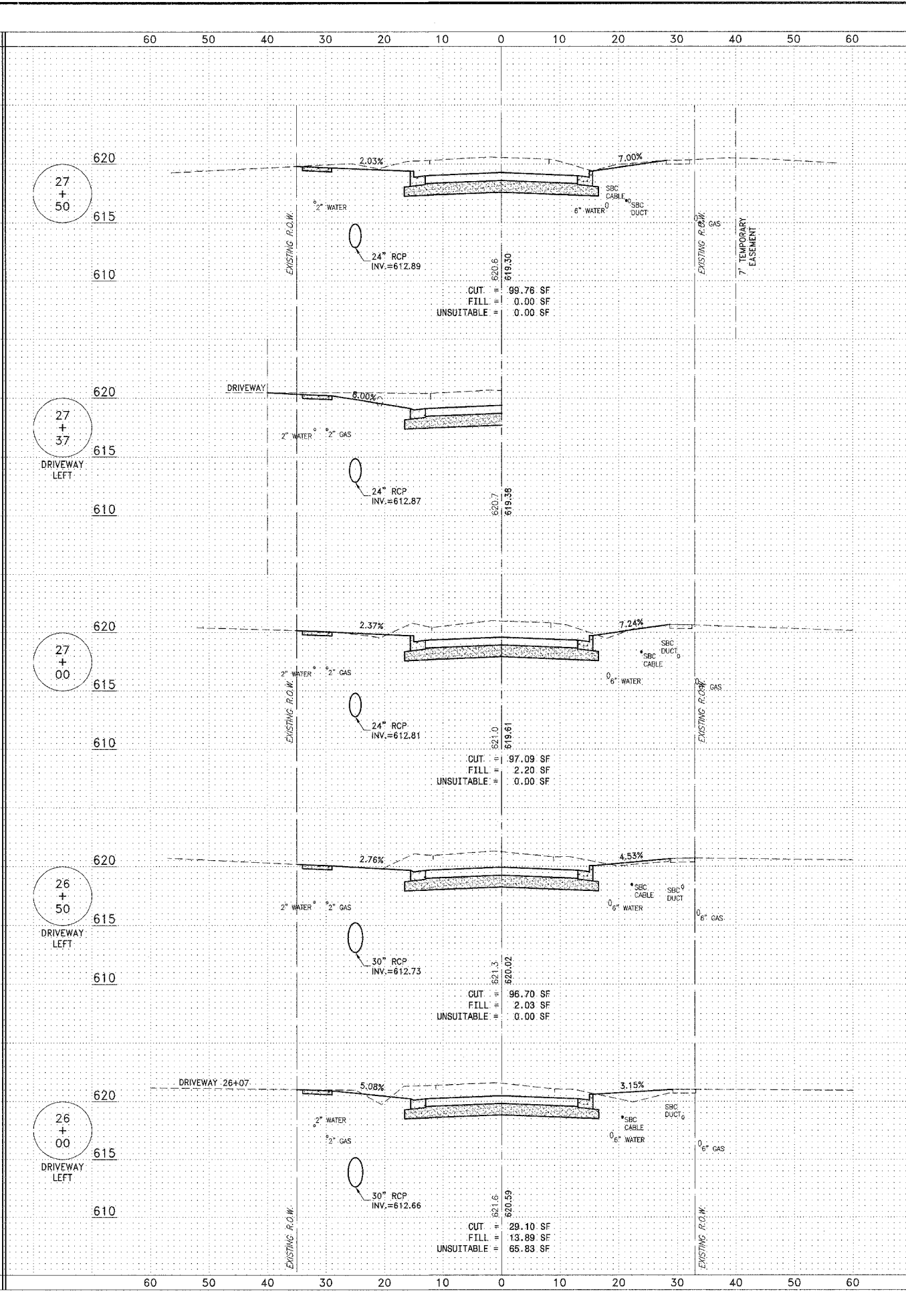
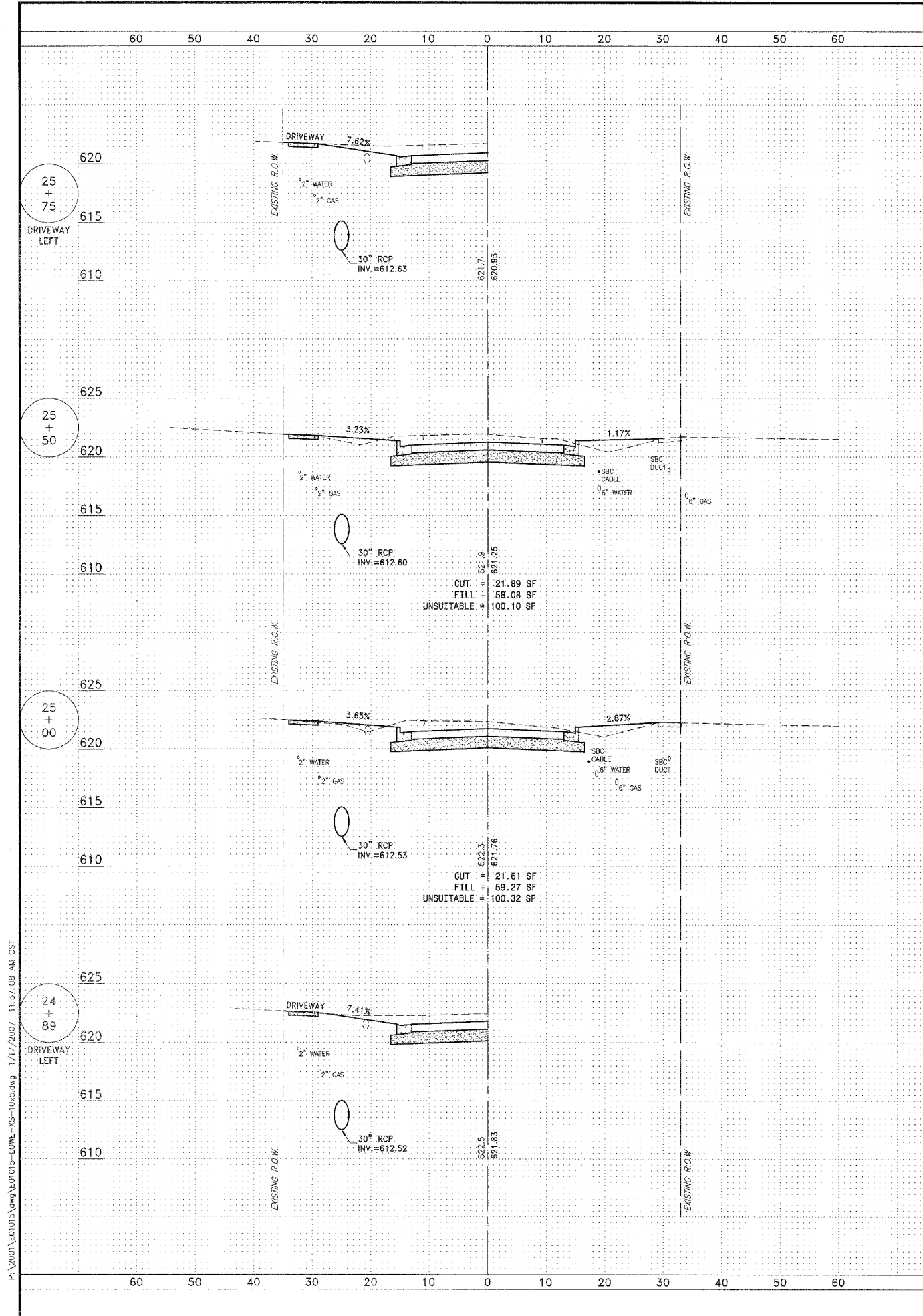
DATE: 07/10/06 JOB NO. E01015  
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 VERT.: 1"=5'  
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 CHECKED BY: SRM **64**  
 83





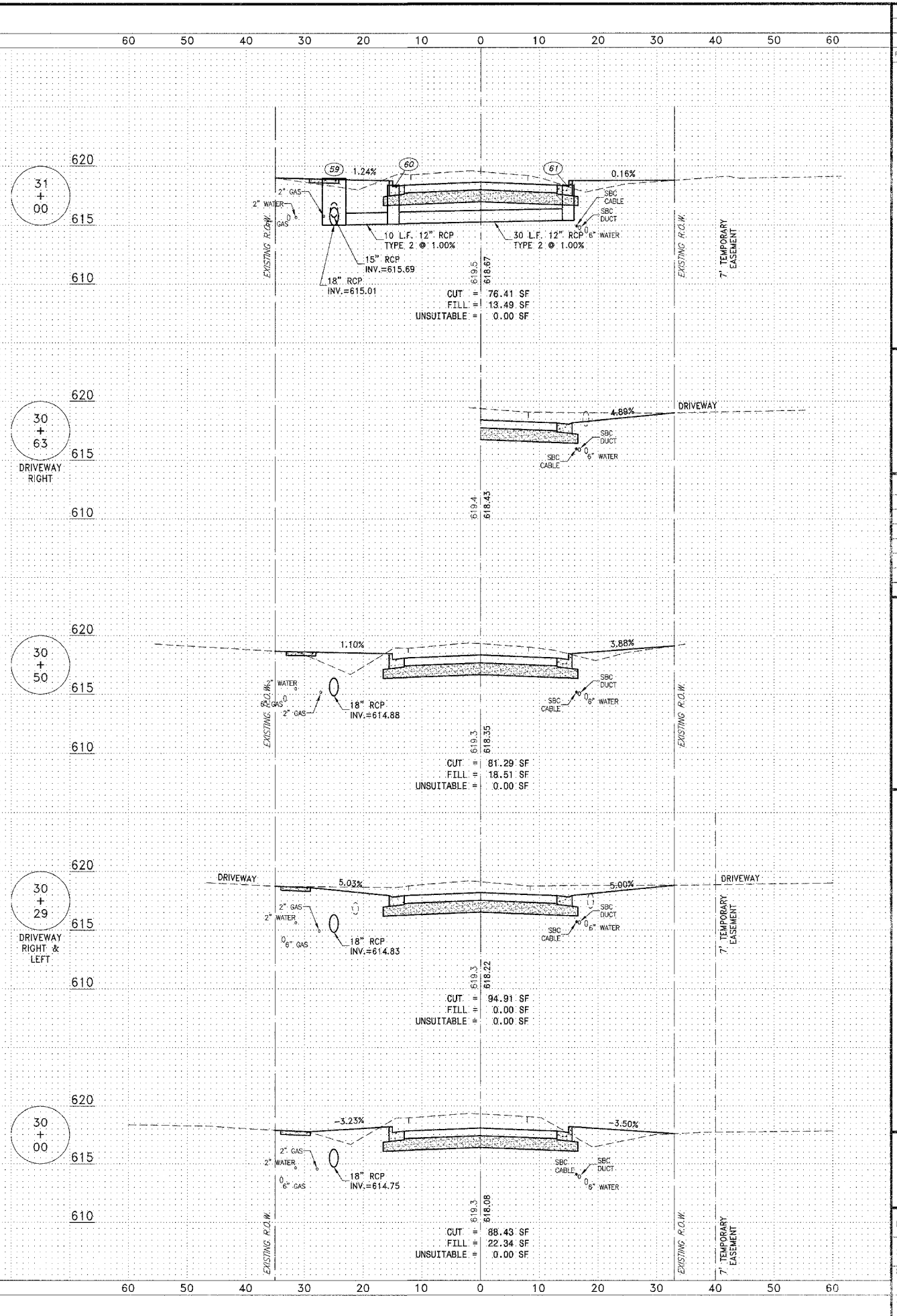
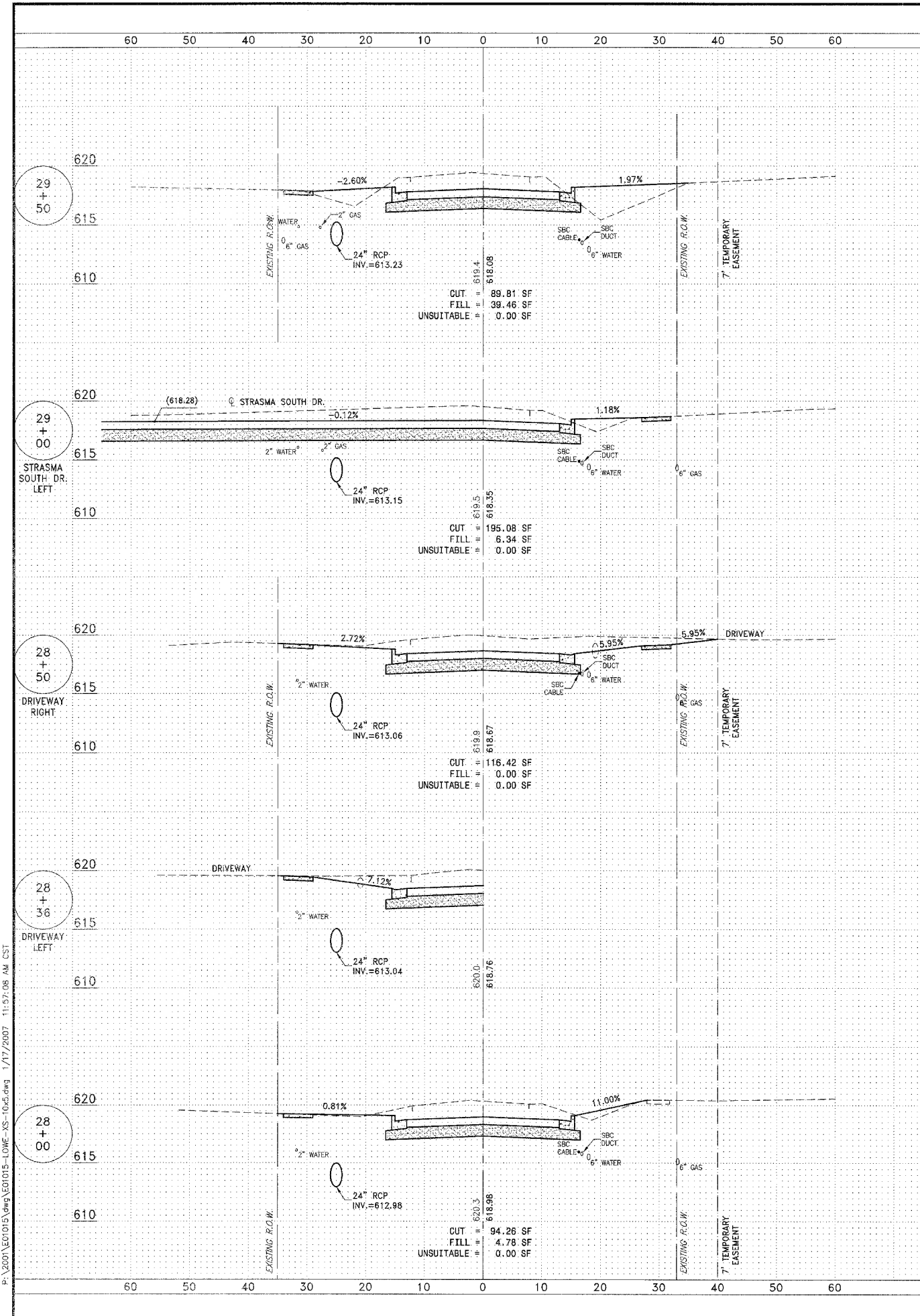
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SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	KANKAKEE	83	65
CONTRACT NO. 87314			
FED. ROAD DIST. NO. ILLINOIS   FED. AID PROJECT			
* LOWE RD. FAU 6209/WALDRON RD. FAU 6184			
** 02-00284-00-WR & 01-00017-00-FP			
<b>TYSON ENGINEERING, INC.</b> CONSULTING CIVIL ENGINEERS LAND SURVEYORS DESIGN FIRM LICENSE #184-001136 367 SOUTH SCHUYLER AVENUE KANKAKEE, ILLINOIS 60901 PHONE (815) 932-7406			
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<b>REVISIONS</b>			
NO.	DATE	BY	DESCRIPTION
3	10/24/06	MRG	PER IDOT REVIEW
4	12/29/06	MRG	PER COUNTY REV
<b>LOWE ROAD</b> <b>CROSS SECTIONS</b> STA. 22+42 TO STA. 24+50			
<b>PROPOSED IMPROVEMENTS FOR</b> <b>LOWE ROAD</b> FROM IL-17 TO WALDRON ROAD <b>WALDRON ROAD</b> FROM CORP. LIMITS TO DIVISION STREET			
<b>SECTION</b> 02-00284-00-WR & 01-00017-00-FP			
DATE:	07/10/06	JOB NO.	E01015
SCALE:	HORIZ.: 1"=10' VERT.: 1"=5'	FILE NO.	
DRAWN BY:	MRG	SHEET	65
CHECKED BY:	SRM		83



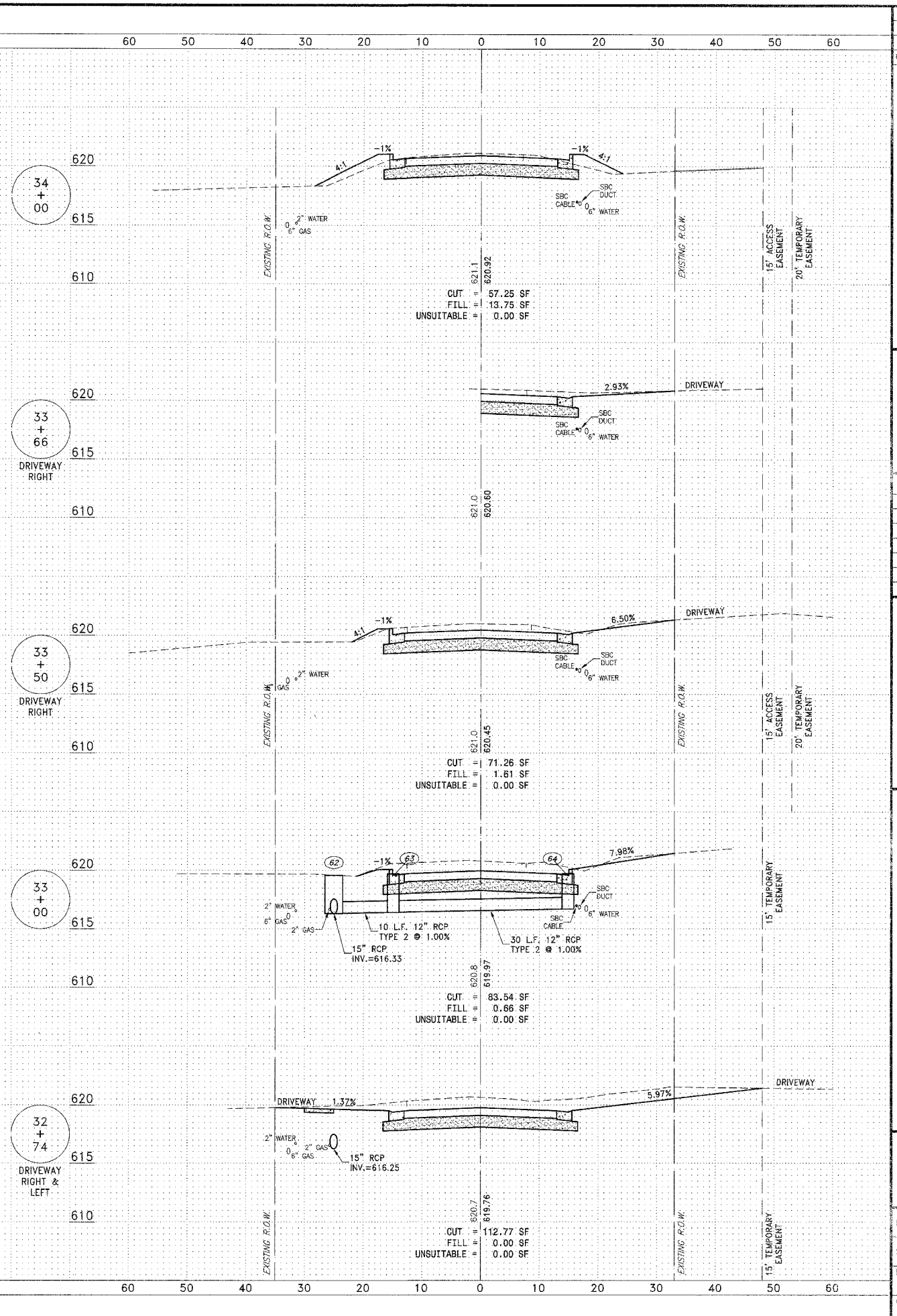
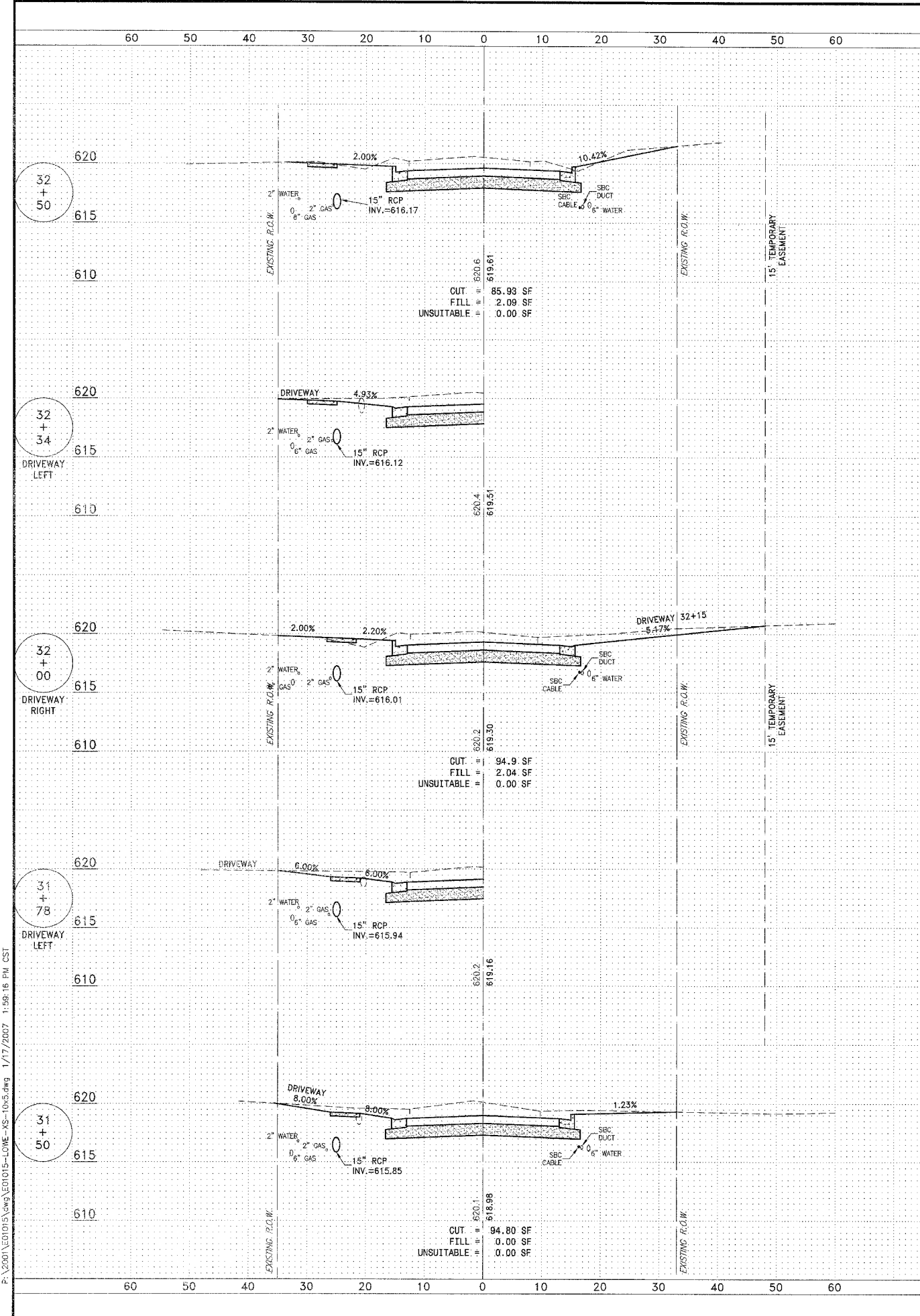
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F.A.D. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
83	83	KANKAKEE	83	66
CONTRACT NO. B7314				
FED. ROAD DIST. NO. ILLINOIS				
FED. AID PROJECT				
* LOWE RD. FAU 6209/WALDRON RD. FAU 6184				
** 02-00284-00-WR & 01-00017-00-FP				
 <b>TYSON ENGINEERING, INC.</b> CONSULTING CIVIL ENGINEERS LAND SURVEYORS DESIGN FIRM LICENSE #184-001136 367 SOUTH SCHUYLER AVENUE KANKAKEE, ILLINOIS 60901 PHONE (815) 932-7406				
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<b>REVISIONS</b>				
NO.	DATE	BY	DESCRIPTION	
3	10/24/06	MRG	PER IDOT REVIEW	
4	12/29/06	MRG	PER COUNTY REV	
<b>LOWE ROAD</b> <b>CROSS SECTIONS</b> STA. 24+89 TO STA. 27+50				
<b>PROPOSED IMPROVEMENTS FOR</b> <b>LOWE ROAD</b> FROM IL-17 TO WALDRON ROAD <b>WALDRON ROAD</b> FROM CORP. LIMITS TO DIVISION STREET				
<b>SECTION</b> 02-00284-00-WR & 01-00017-00-FP				
DATE:	07/10/06	JOB NO.	E01015	
SCALE:	HORIZ.: 1"=10' VERT.: 1"=5'	FILE NO.		
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FAU NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	**	KANKAKEE	83	67
CONTRACT NO. 87314				
FED. ROAD DIST. NO. ILLINOIS				
FED. AID PROJECT				
** LOWE RD. FAU 5205/WALDRON RD. FAU 6184				
** 02-00284-00-WR & 01-00017-00-FP				
 <b>TYSON ENGINEERING, INC.</b> CONSULTING CIVIL ENGINEERS LAND SURVEYORS DESIGN FIRM LICENSE #184-001136 367 SOUTH SCHUYLER AVENUE KANKAKEE, ILLINOIS 60901 PHONE (815) 932-7406				
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<b>REVISIONS</b>				
NO.	DATE	BY	DESCRIPTION	
3	10/24/06	MRG	PER IDOT REVIEW	
4	12/29/06	MRG	PER COUNTY REV	
<b>LOWE ROAD</b> <b>CROSS SECTIONS</b> STA. 28+00 TO STA. 31+00				
<b>PROPOSED IMPROVEMENTS FOR</b> <b>LOWE ROAD</b> FROM IL-17 TO WALDRON ROAD <b>WALDRON ROAD</b> FROM CORP. LIMITS TO DIVISION STREET				
<b>SECTION</b> 02-00284-00-WR & 01-00017-00-FP				
DATE:	07/10/06	JOB NO.	E01015	
SCALE:	HORZ.: 1"=10'	FILE NO.		
	VERT.: 1"=5'			
DRAWN BY:	MRG	SHEET		
CHECKED BY:	SRM	67		
		83		



FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	83	88

CONTRACT NO. 87314  
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT  
 \* LOWE RD. FAU 6209/WALDRON RD. FAU 6184  
 \*\* 02-00284-00-WR & 01-00017-00-FP

**TYSON ENGINEERING, INC.**  
 CONSULTING CIVIL ENGINEERS  
 LAND SURVEYORS  
 DESIGN FIRM LICENSE #184-001136  
 367 SOUTH SCHUYLER AVENUE  
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REVISIONS			
NO.	DATE	BY	DESCRIPTION
3	10/24/06	MRG	PER IDOT REVIEW
4	12/29/06	MRG	PER COUNTY REV

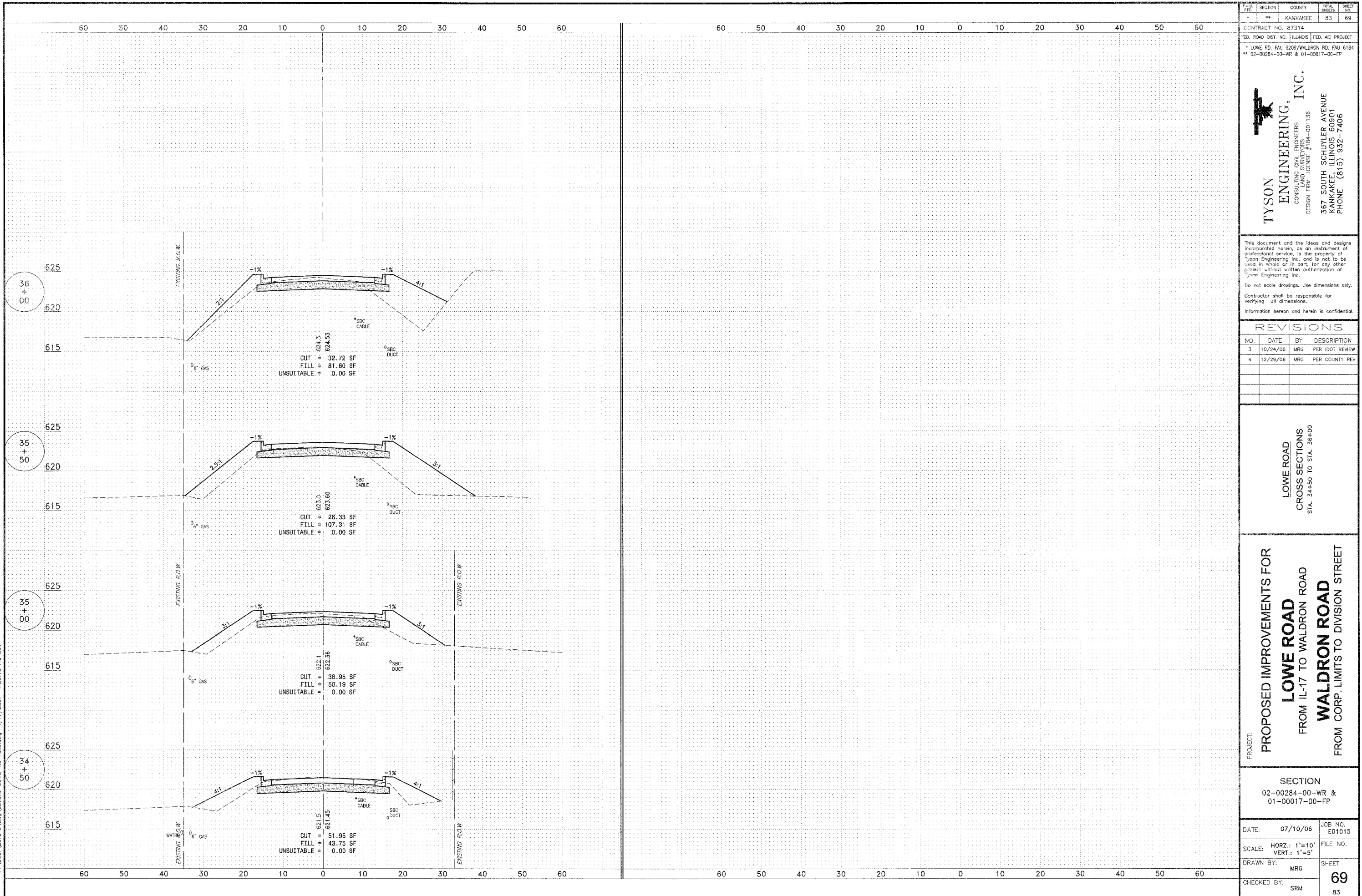
PROJECT: **PROPOSED IMPROVEMENTS FOR LOWE ROAD**  
 FROM IL-17 TO WALDRON ROAD  
**WALDRON ROAD**  
 FROM CORP. LIMITS TO DIVISION STREET

SECTION  
 02-00284-00-WR &  
 01-00017-00-FP

DATE:	07/10/05	JOB NO.	E01015
SCALE:	HORZ.: 1"=10' VERT.: 1"=5'	FILE NO.	
DRAWN BY:	MRG	SHEET	68
CHECKED BY:	SRM		83

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CONTRACT NO. 87314  
 FEDERAL ROAD DIST. NO. ILLINOIS  
 \* LOWE RD. FAU 6209/WALDRON RD. FAU 6154  
 \*\* 02-00284-00-WR & 01-00017-00-FP

**TYSON ENGINEERING, INC.**  
 CONSULTING CIVIL ENGINEERS  
 LAND SURVEYORS  
 DESIGN FIRM LICENSE #184-001136  
 367 SOUTH SCHUYLER AVENUE  
 KANKAKEE, ILLINOIS 60901  
 PHONE (815) 932-7406

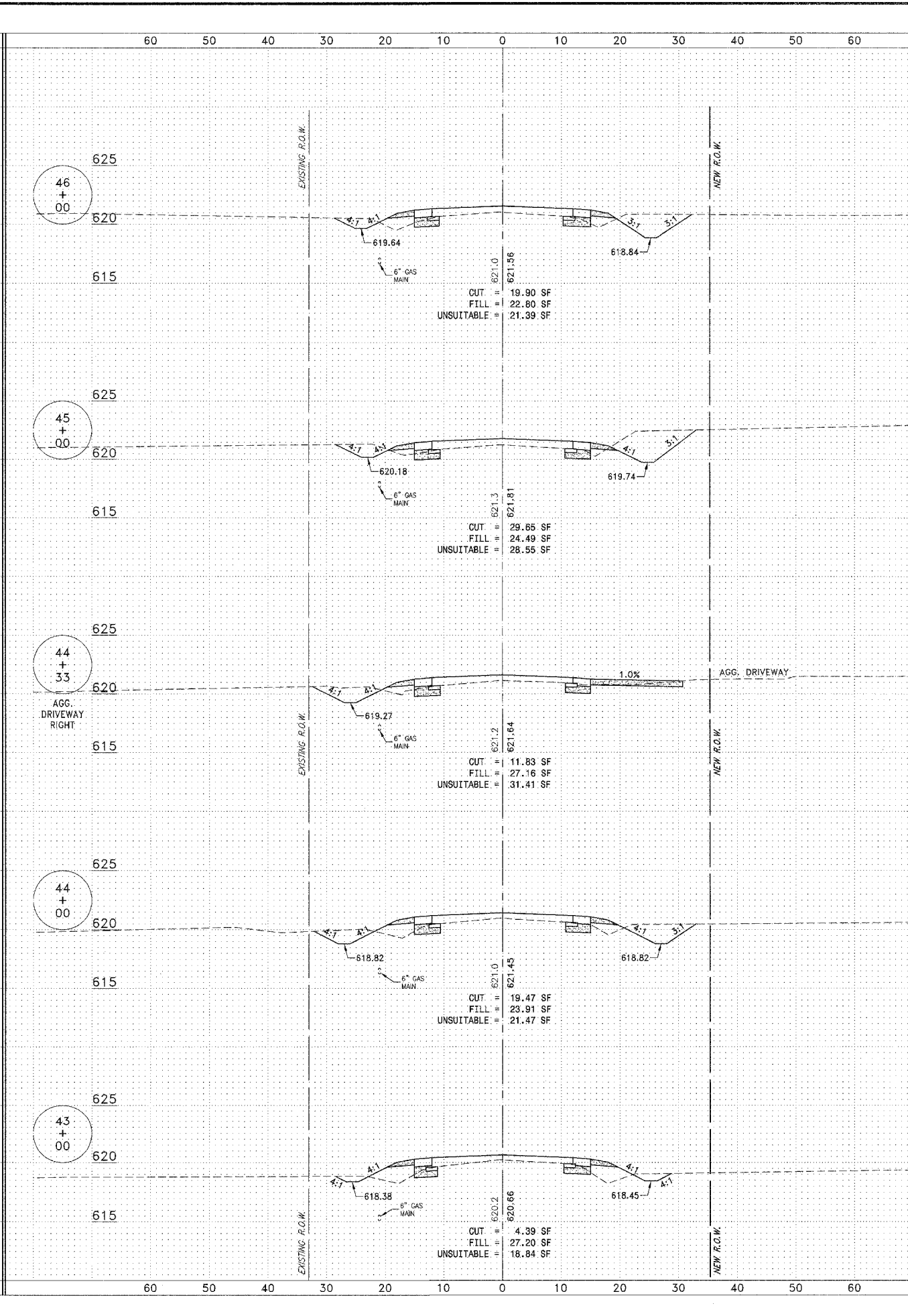
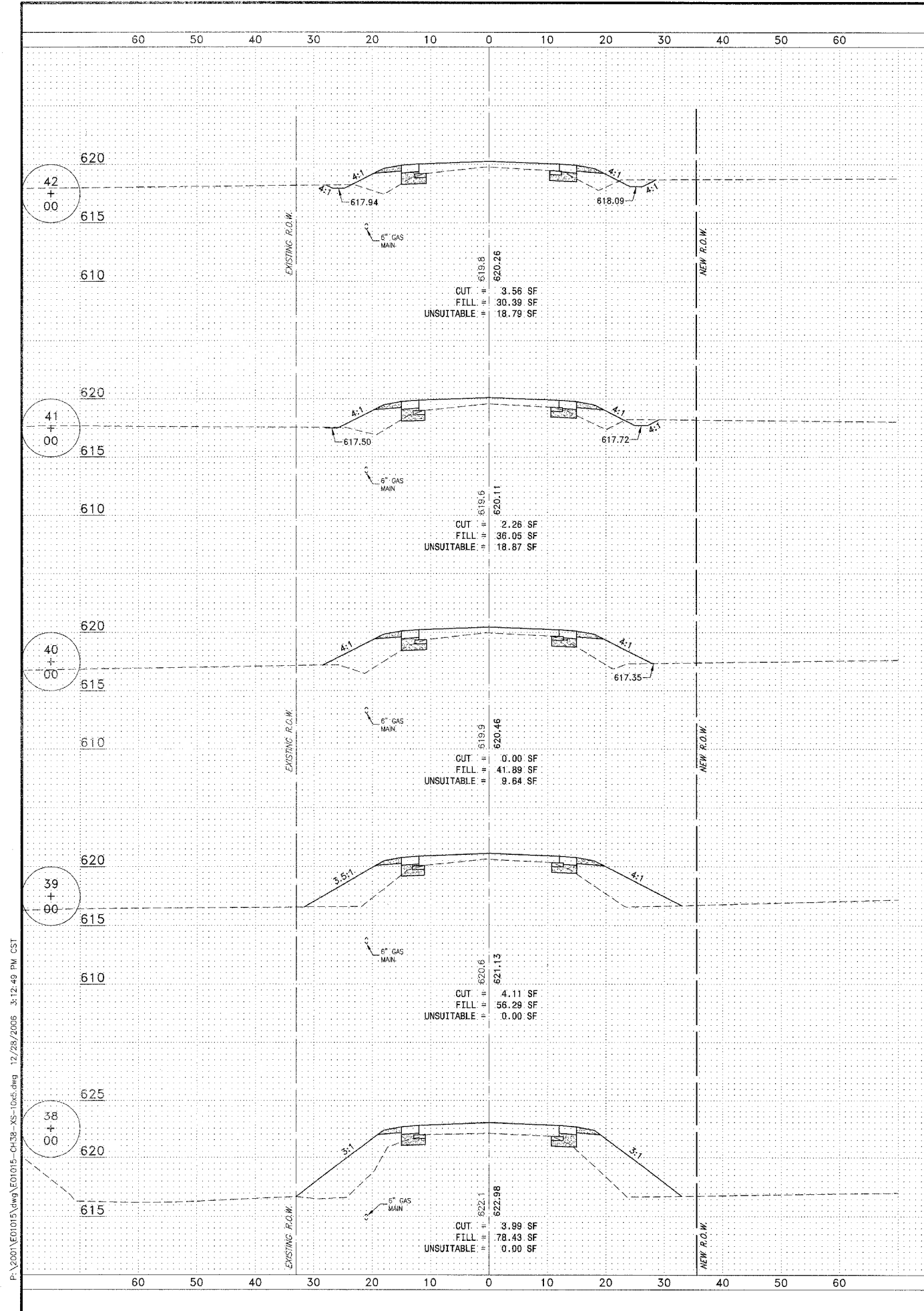
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REVISIONS			
NO.	DATE	BY	DESCRIPTION
3	10/24/06	MRG	PER IDOT REVIEW
4	12/29/06	MRG	PER COUNTY REV

LOWE ROAD  
 CROSS SECTIONS  
 STA. 34+50 TO STA. 36+00

PROJECT:  
**PROPOSED IMPROVEMENTS FOR  
 LOWE ROAD  
 FROM IL-17 TO WALDRON ROAD  
 WALDRON ROAD  
 FROM CORP. LIMITS TO DIVISION STREET**

SECTION 02-00284-00-WR & 01-00017-00-FP	
DATE: 07/10/06	JOB NO. ED1015
SCALE: HORZ.: 1"=10' VERT.: 1"=5'	FILE NO.
DRAWN BY: MRG	SHEET
CHECKED BY: SRM	<b>69</b>
	83



P:\2001\E01015\wg\E01015-CH38-XS-06c.dwg 12/28/2006 3:12:49 PM CST

PLAN NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	83	70

CONTRACT NO. 87314  
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT  
 \* LOWE RD. FAU 5209/WALDRON RD. FAU 6184  
 \*\* 02-00284-00-WR & 01-00017-00-FP

**TYSON ENGINEERING, INC.**  
 CONSULTING CIVIL ENGINEERS  
 LAND SURVEYORS  
 DESIGN FIRM LICENSE #184-001139  
 367 SOUTH SCHUYLER AVENUE  
 KANKAKEE, ILLINOIS 60901  
 PHONE (815) 932-7406

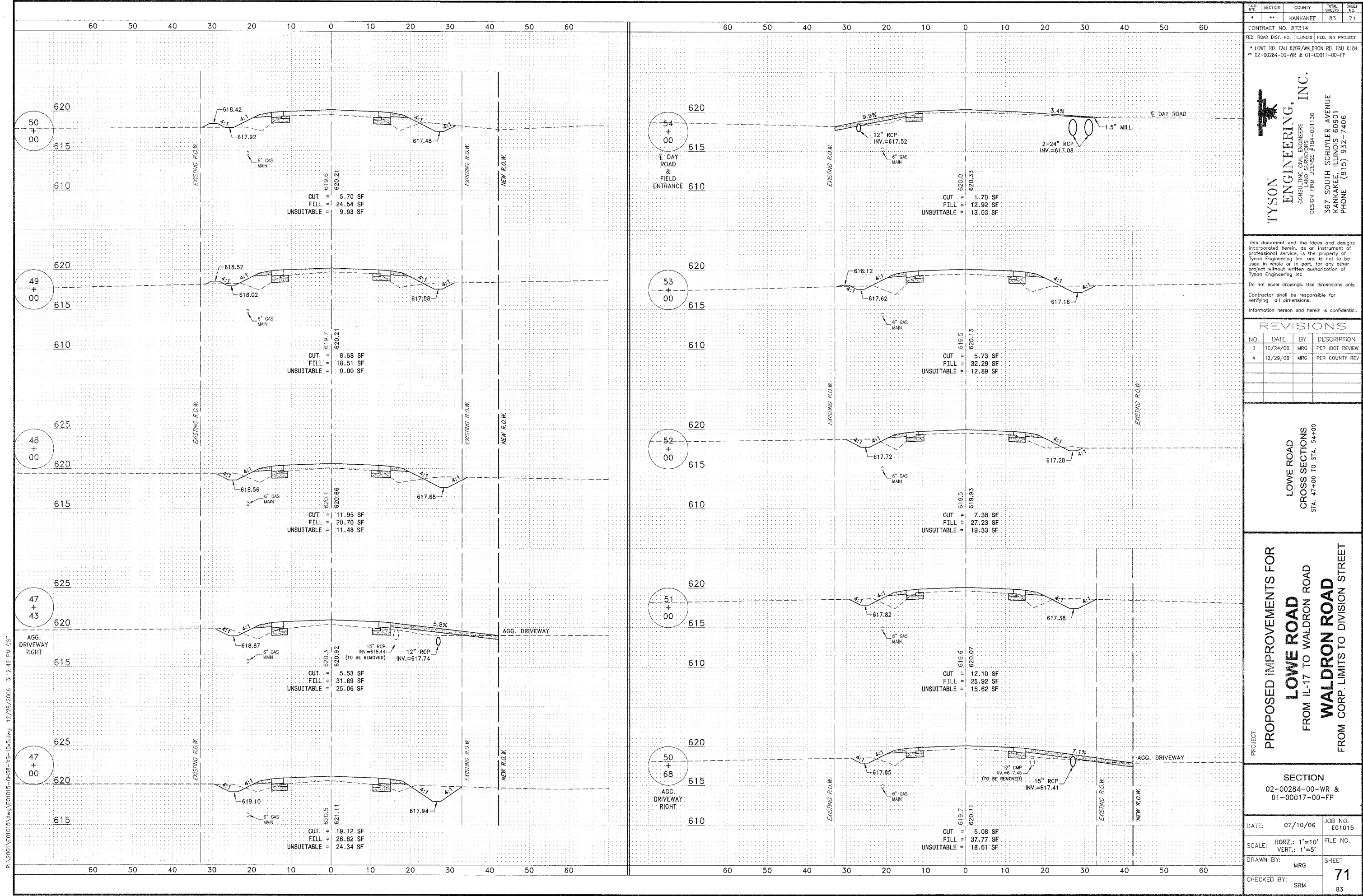
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REVISIONS			
NO.	DATE	BY	DESCRIPTION
3	10/24/06	MRG	PER IDOT REVIEW
4	12/29/06	MRG	PER COUNTY REV

PROJECT: **PROPOSED IMPROVEMENTS FOR LOWE ROAD**  
**CROSS SECTIONS**  
 FROM IL-17 TO WALDRON ROAD  
**WALDRON ROAD**  
 FROM CORP. LIMITS TO DIVISION STREET

SECTION  
 02-00284-00-WR &  
 01-00017-00-FP

DATE: 07/10/06 JOB NO. E01015  
 SCALE: HORIZ.: 1"=10'  
 VERT.: 1"=5' FILE NO.  
 DRAWN BY: MRG SHEET  
 CHECKED BY: SRM **70**  
 83



PLAN	SECTION	COUNTY	TOTAL	SHEET
NO.	NO.	NO.	SHEETS	NO.
*	**	KANKAKEE	83	71

CONTRACT NO. 87314  
 FED. ROAD DIST. NO. ILLINOIS  
 FED. AID PROJECT  
 \* LOWE RD. FAU 6205/WALDRON RD. FAU 6184  
 \*\* 02-00284-00-WR & 01-00017-00-FP

**TYSON ENGINEERING, INC.**  
 CONSULTING CIVIL ENGINEERS  
 LAND SURVEYORS  
 DESIGN FIRM LICENSE #184-001136  
 367 SOUTH SCHUYLER AVENUE  
 KANKAKEE, ILLINOIS 60901  
 PHONE (815) 932-7406

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**REVISIONS**

NO.	DATE	BY	DESCRIPTION
3	10/24/06	MRG	PER IDOT REVIEW
4	12/29/06	MRG	PER COUNTY REV

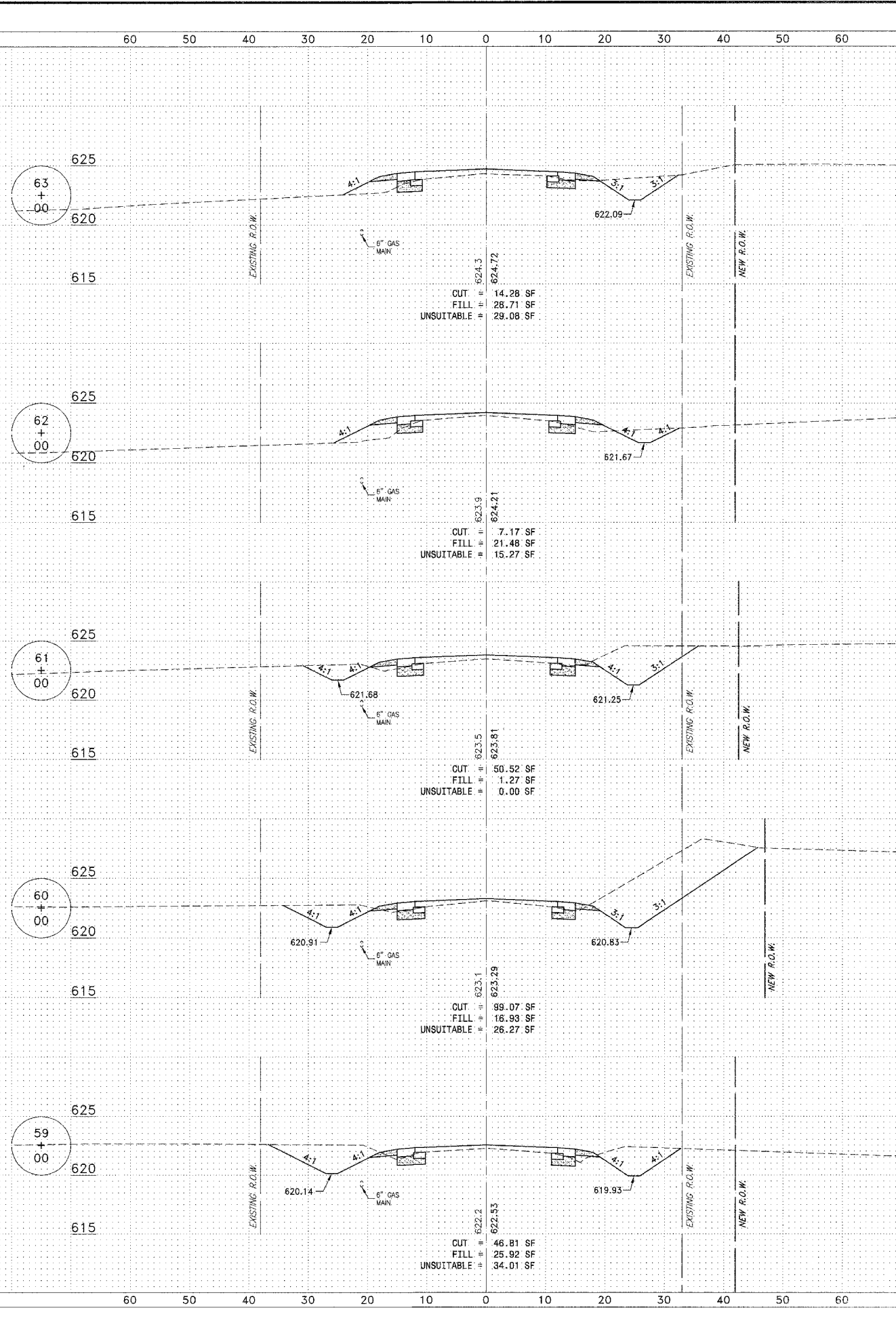
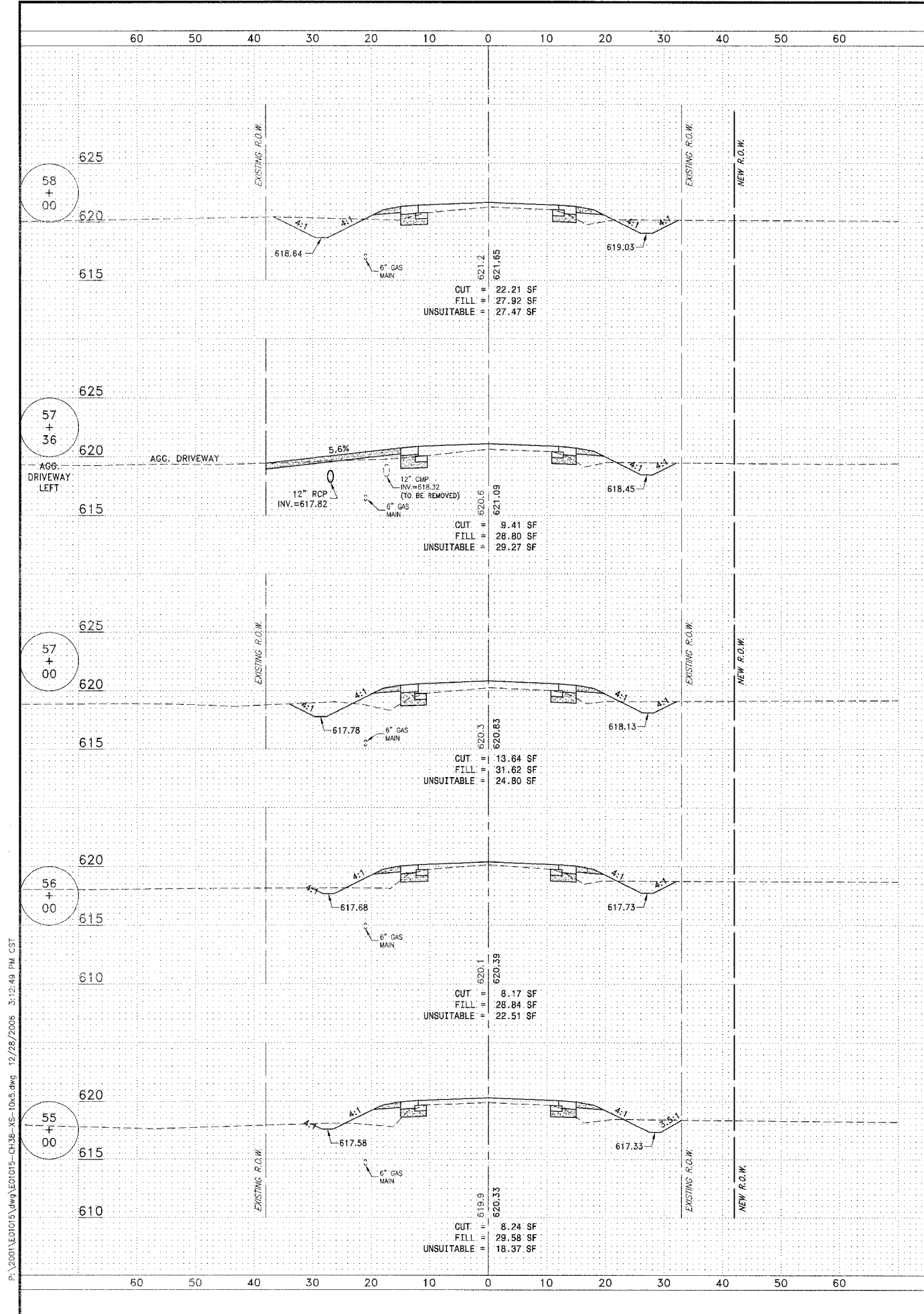
**LOWE ROAD**  
 CROSS SECTIONS  
 STA. 47+00 TO STA. 54+00

**PROPOSED IMPROVEMENTS FOR**  
**LOWE ROAD**  
 FROM IL-17 TO WALDRON ROAD  
**WALDRON ROAD**  
 FROM CORP. LIMITS TO DIVISION STREET

**SECTION**  
 02-00284-00-WR &  
 01-00017-00-FP

DATE: 07/10/06	JOB NO. E01015
SCALE: HORZ.: 1"=10' VERT.: 1"=5'	FILE NO.
DRAWN BY: MRG	SHEET
CHECKED BY: SRM	<b>71</b>
	83

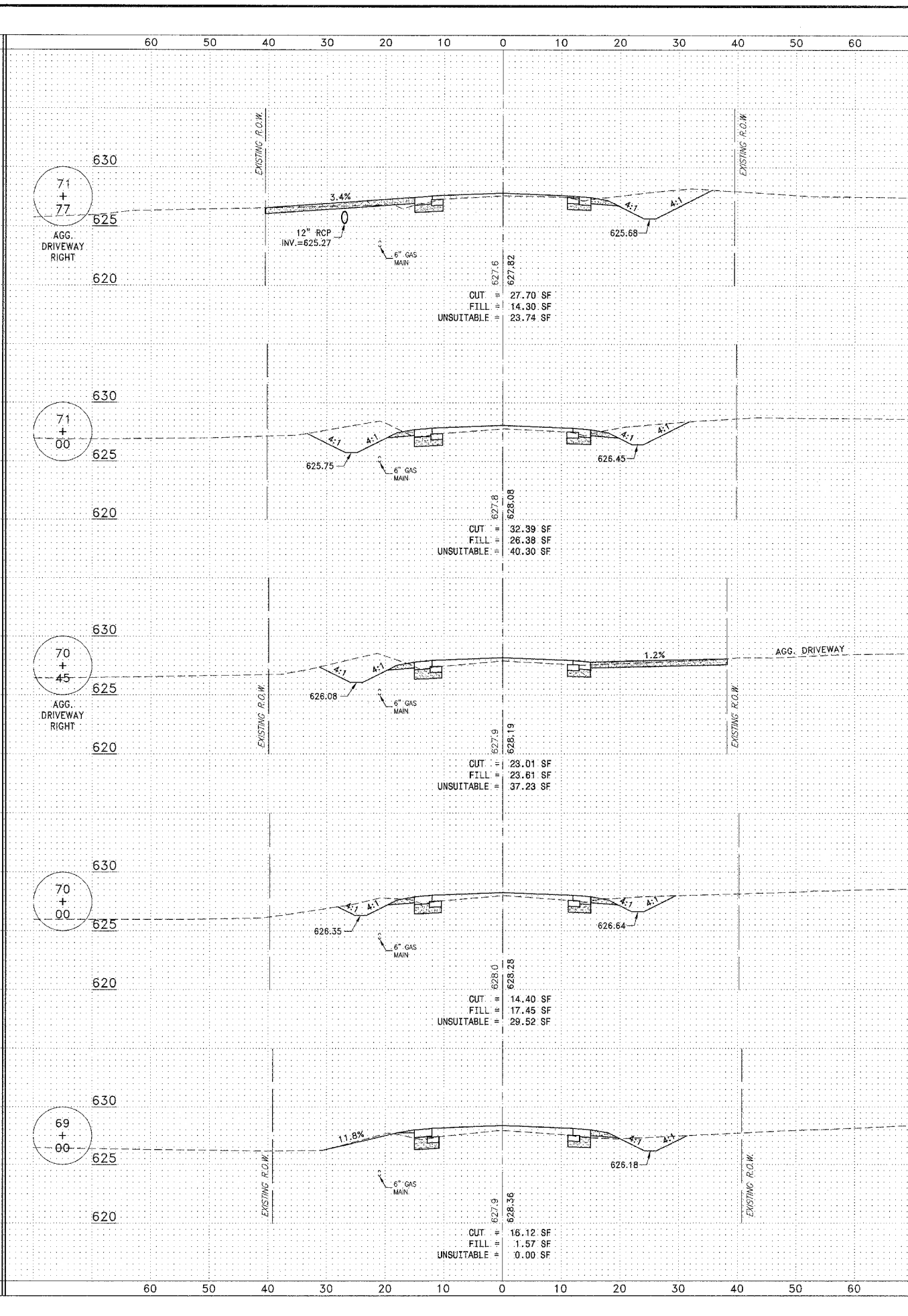
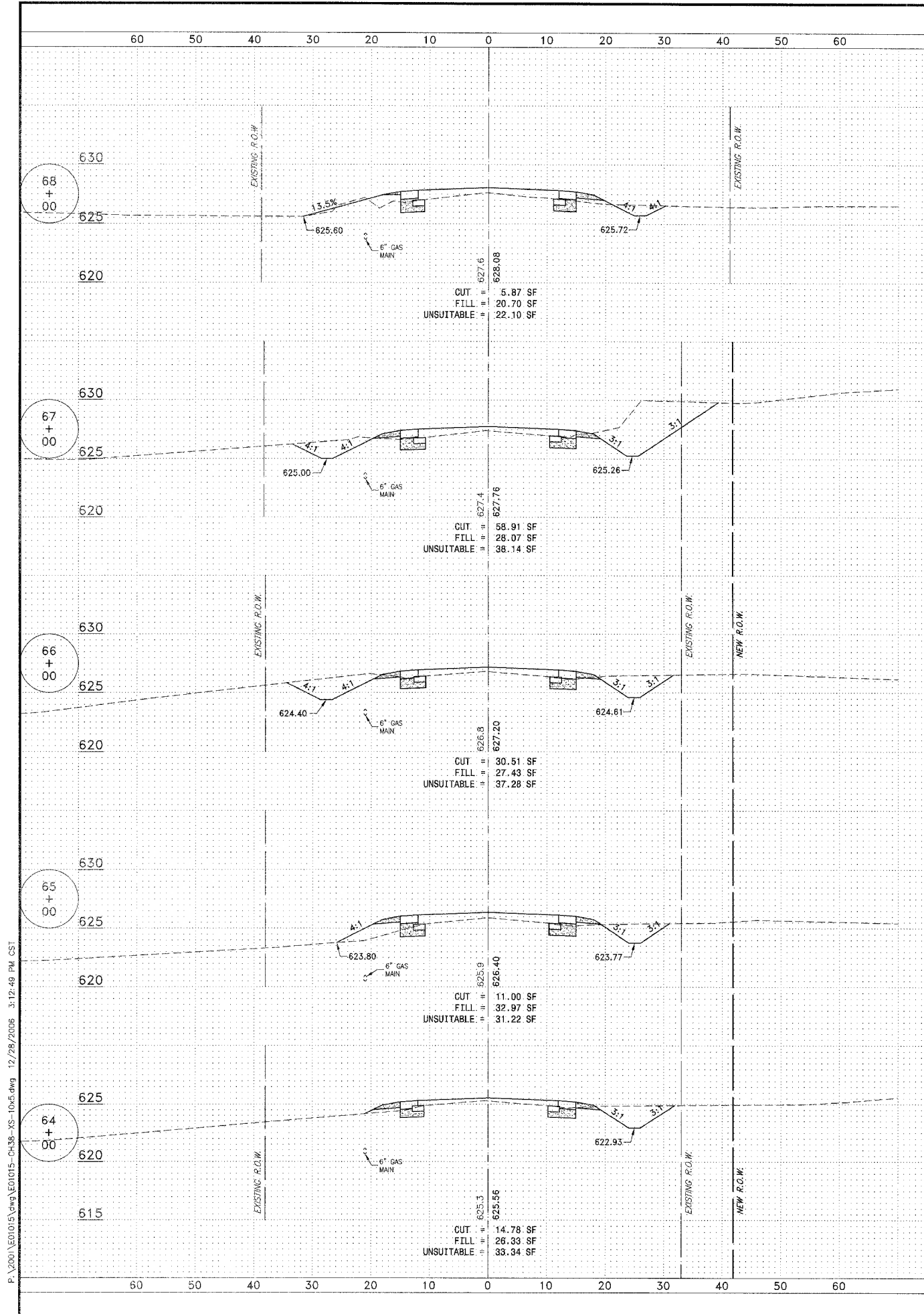
P:\2001\01015\01015-0438-XS-10v5.dwg 12/28/2006 3:12:49 PM CST



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FAU RFE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	83	72
CONTRACT NO. 87314				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
* LOWE RD. FAU 6209/WALDRON RD. FAU 6184				
** 02-00284-00-WR & 01-00017-00-FP				
 <b>TYSON ENGINEERING, INC.</b> CONSULTING CIVIL ENGINEERS LAND SURVEYORS DESIGN FIRM LICENSE # 94-001136 367 SOUTH SCHUYLER AVENUE KANKAKEE, ILLINOIS 60901 PHONE (815) 932-7406				
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<b>REVISIONS</b>				
NO.	DATE	BY	DESCRIPTION	
3	10/24/06	MRG	PER IDOT REVIEW	
4	12/29/06	MRC	PER COUNTY REV	
<b>PROPOSED IMPROVEMENTS FOR</b> <b>LOWE ROAD</b> FROM IL-17 TO WALDRON ROAD <b>WALDRON ROAD</b> FROM CORP. LIMITS TO DIVISION STREET				
<b>SECTION</b> 02-00284-00-WR & 01-00017-00-FP				
DATE:	07/10/06	JOB NO.	E01015	
SCALE:	HORIZ.: 1"=10' VERT.: 1"=5'	FILE NO.		
DRAWN BY:	MRG	SHEET	72	
CHECKED BY:	SRM		83	





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FAU. REC.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	83	73

CONTRACT NO. 87314  
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT  
 \* LOWE RD. FAU 6209/WALDRON RD. FAU 6184  
 \*\* 02-00284-00-WR & 01-00017-00-FP

**TYSON ENGINEERING, INC.**  
 CONSULTING CIVIL ENGINEERS  
 LAND SURVEYORS  
 DESIGN FIRM LICENSE #184-001136  
 367 SOUTH SCHUYLER AVENUE  
 KANKAKEE, ILLINOIS 60901  
 PHONE (815) 932-7406

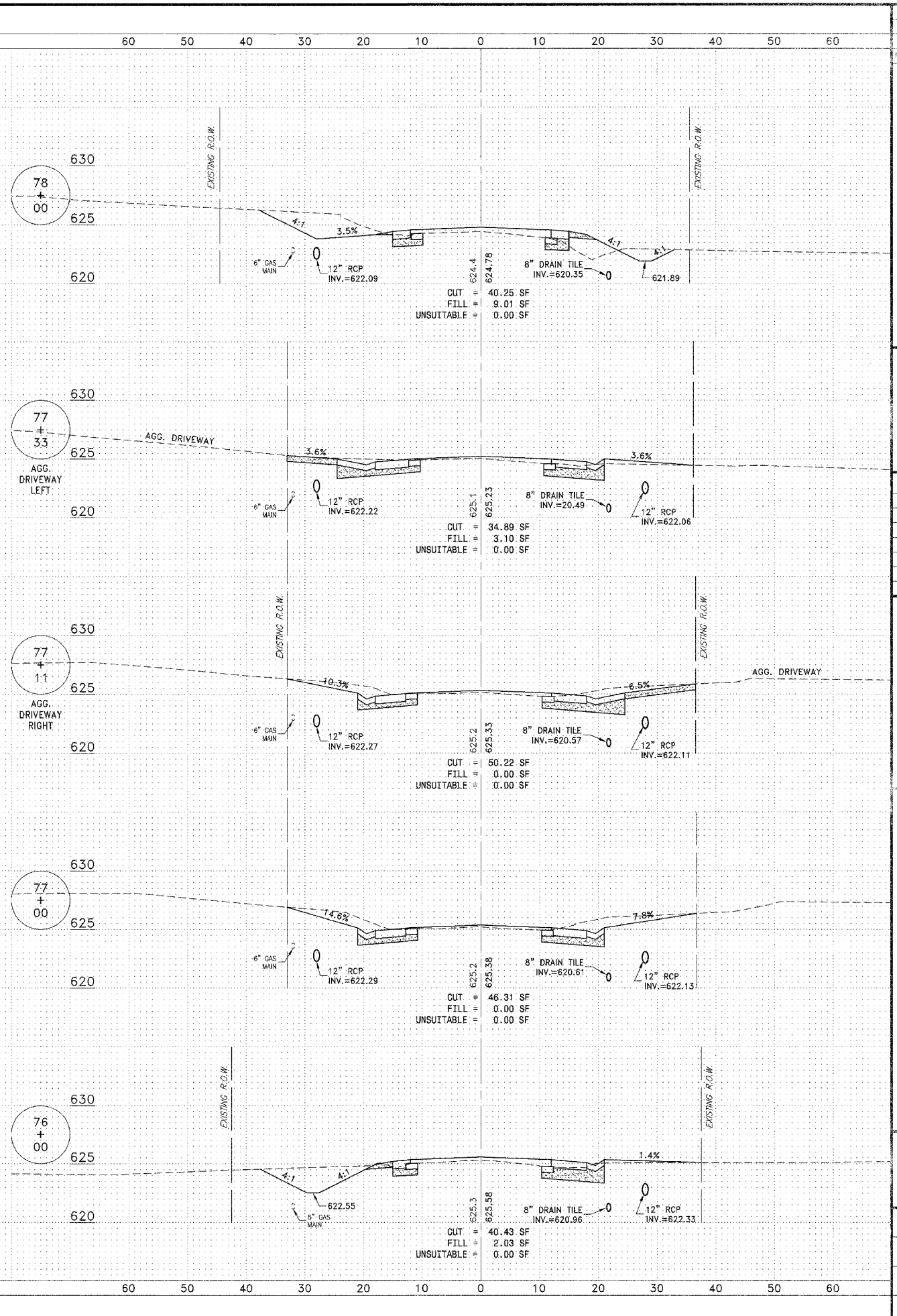
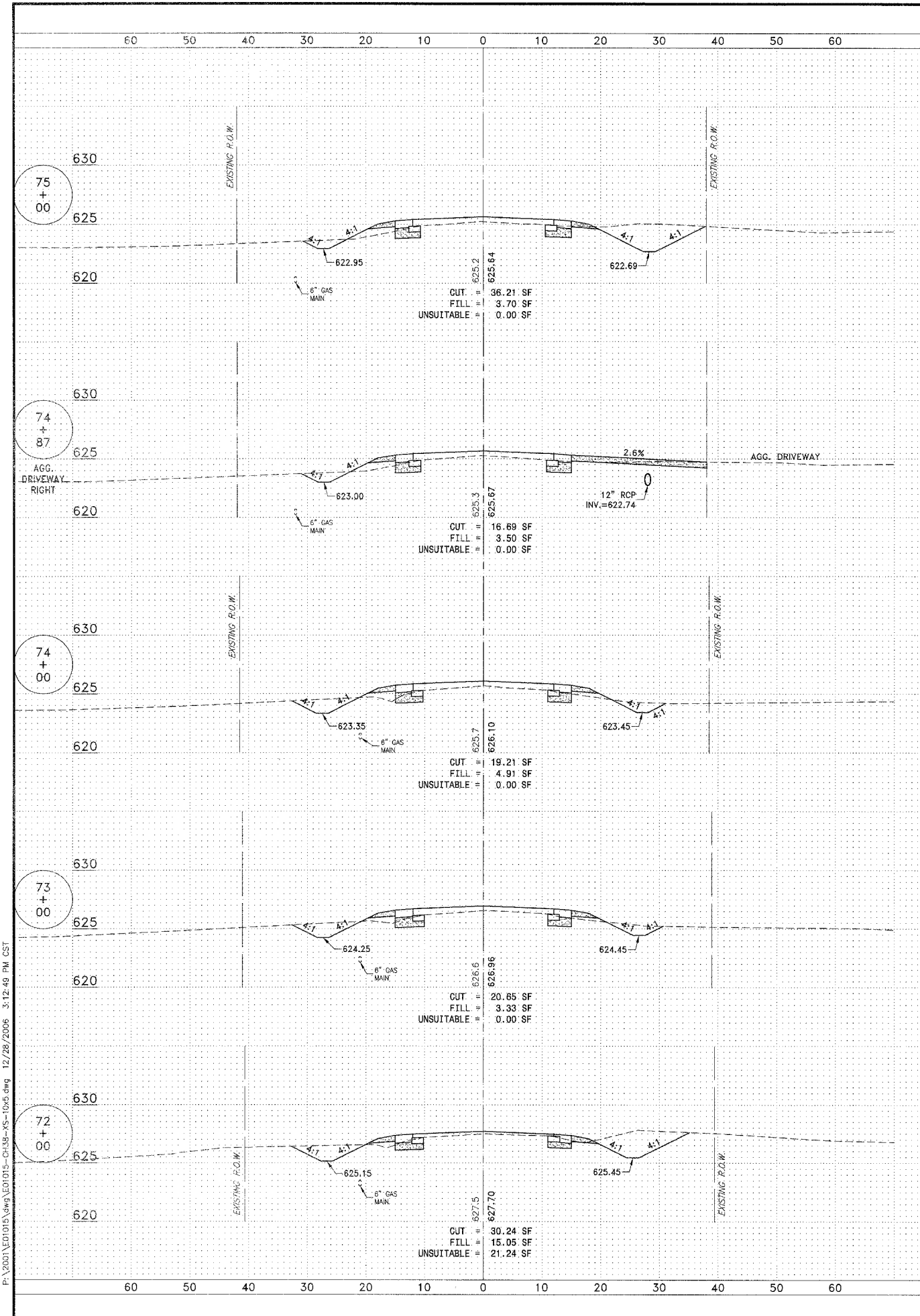
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REVISIONS			
NO.	DATE	BY	DESCRIPTION
3	10/24/06	MRG	PER IDOT REVIEW
4	12/29/06	MRG	PER COUNTY REV

PROJECT: **PROPOSED IMPROVEMENTS FOR LOWE ROAD**  
 FROM IL-17 TO WALDRON ROAD  
**WALDRON ROAD**  
 FROM CORP. LIMITS TO DIVISION STREET

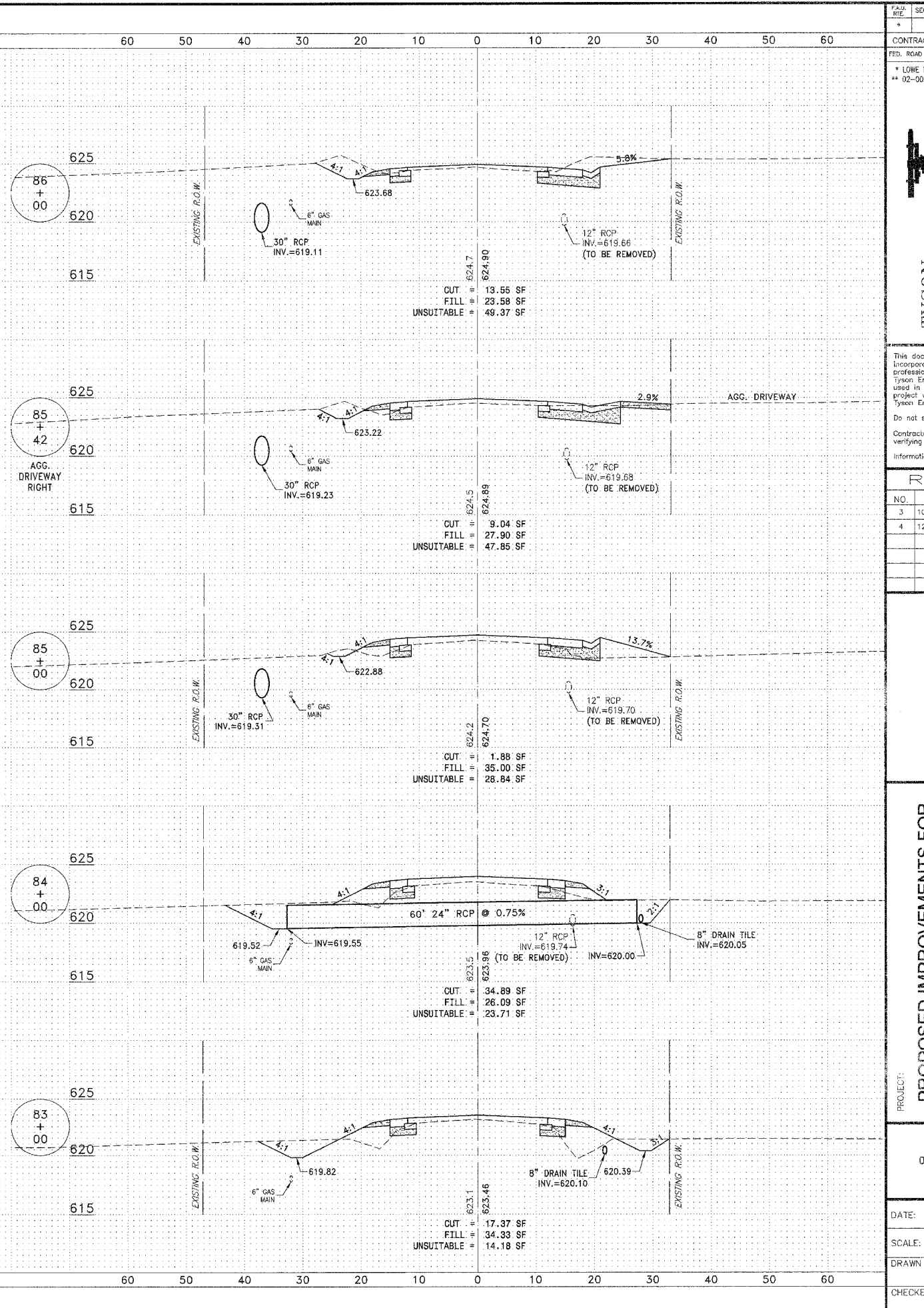
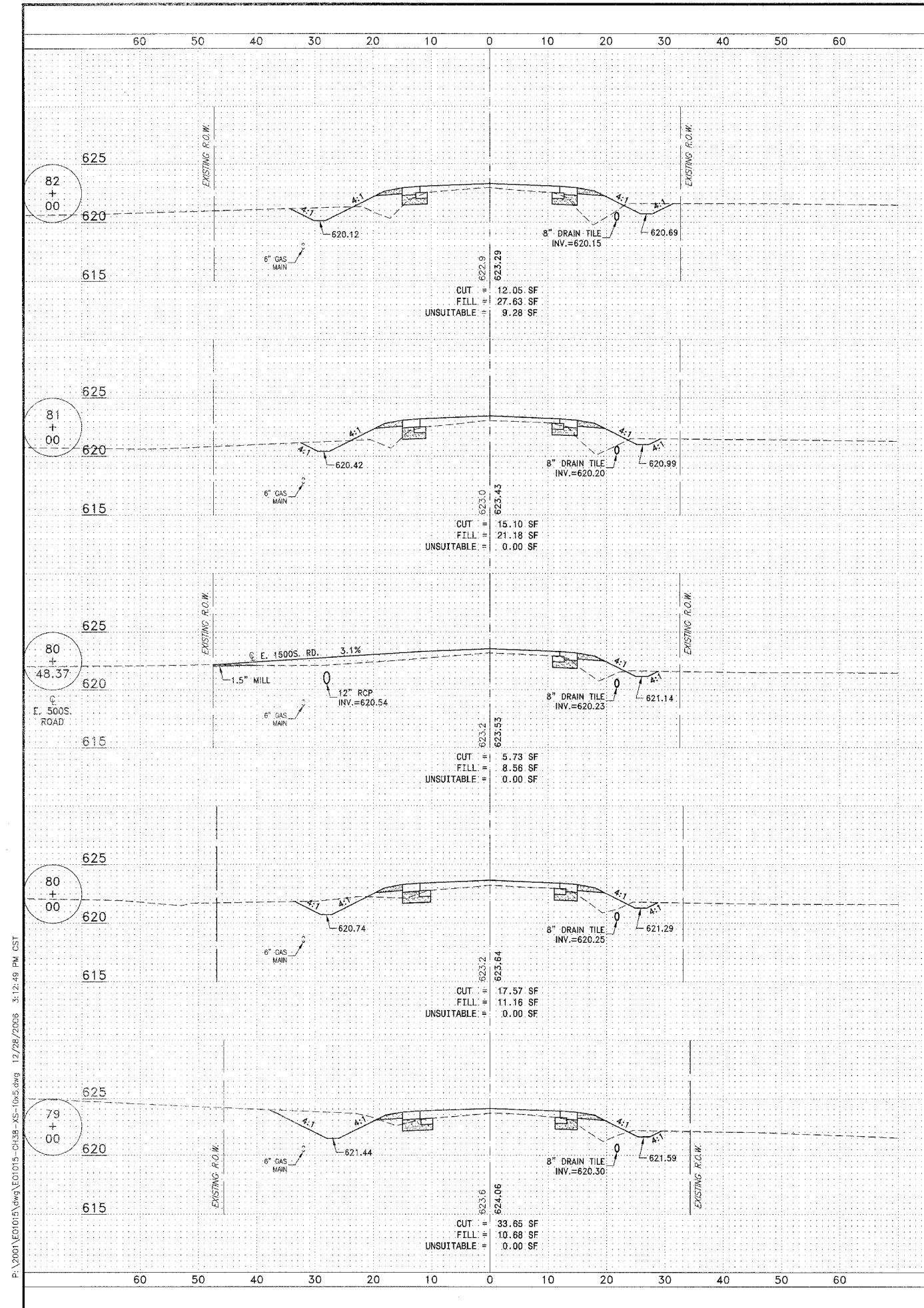
SECTION  
 02-00284-00-WR &  
 01-00017-00-FP

DATE:	07/10/06	JOB NO.	E01015
SCALE:	HORIZ.: 1"=10' VERT.: 1"=5'	FILE NO.	
DRAWN BY:	MRG	SHEET	73
CHECKED BY:	SRM		83



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PLAN NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	**	KANKAKEE	83	74
CONTRACT NO. 67314				
FED. ROAD DIST. NO. ILLINOIS				
FED. AID PROJECT				
* LOWE RD. FAU 6209/WALDRON RD. FAU 6184				
** 02-00284-00-WR & 01-00017-00-FP				
 <b>TYSON ENGINEERING, INC.</b> CONSULTING CIVIL ENGINEERS LAND SURVEYORS DESIGN FIRM LICENSE #184-001136 367 SOUTH SCHUYLER AVENUE KANKAKEE, ILLINOIS 60901 PHONE (815) 932-7406				
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<b>REVISIONS</b>				
NO.	DATE	BY	DESCRIPTION	
3	10/24/06	MRG	PER IDOT REVIEW	
4	12/23/06	MRG	PER COUNTY REV	
<b>LOWE ROAD</b> <b>CROSS SECTIONS</b> STA. 72+00 TO STA. 78+00				
<b>PROPOSED IMPROVEMENTS FOR</b> <b>LOWE ROAD</b> FROM IL-17 TO WALDRON ROAD <b>WALDRON ROAD</b> FROM CORP. LIMITS TO DIVISION STREET				
<b>SECTION</b> 02-00284-00-WR & 01-00017-00-FP				
DATE:	07/10/16	JOB NO.	E01015	
SCALE:	HORIZ.: 1"=10'	FILE NO.		
	VERT.: 1"=5'			
DRAWN BY:	MRG	SHEET		
CHECKED BY:	SRM	74		
		83		



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CONTRACT NO. 87314  
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT  
 \* LOWE RD. FAU 6209/WALDRON RD. FAU 6184  
 \*\* 02-00284-00-WR & 01-00017-00-FP

**TYSON ENGINEERING, INC.**  
 CONSULTING CIVIL ENGINEERS  
 LAND SURVEYORS  
 DESIGN FIRM LICENSE #184-001136  
 367 SOUTH SCHUYLER AVENUE  
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**REVISIONS**

NO.	DATE	BY	DESCRIPTION
3	10/24/06	MRG	PER IDOT REVIEW
4	12/29/06	MRG	PER COUNTY REV

**LOWE ROAD CROSS SECTIONS**  
 STA. 79+00 TO STA. 86+00

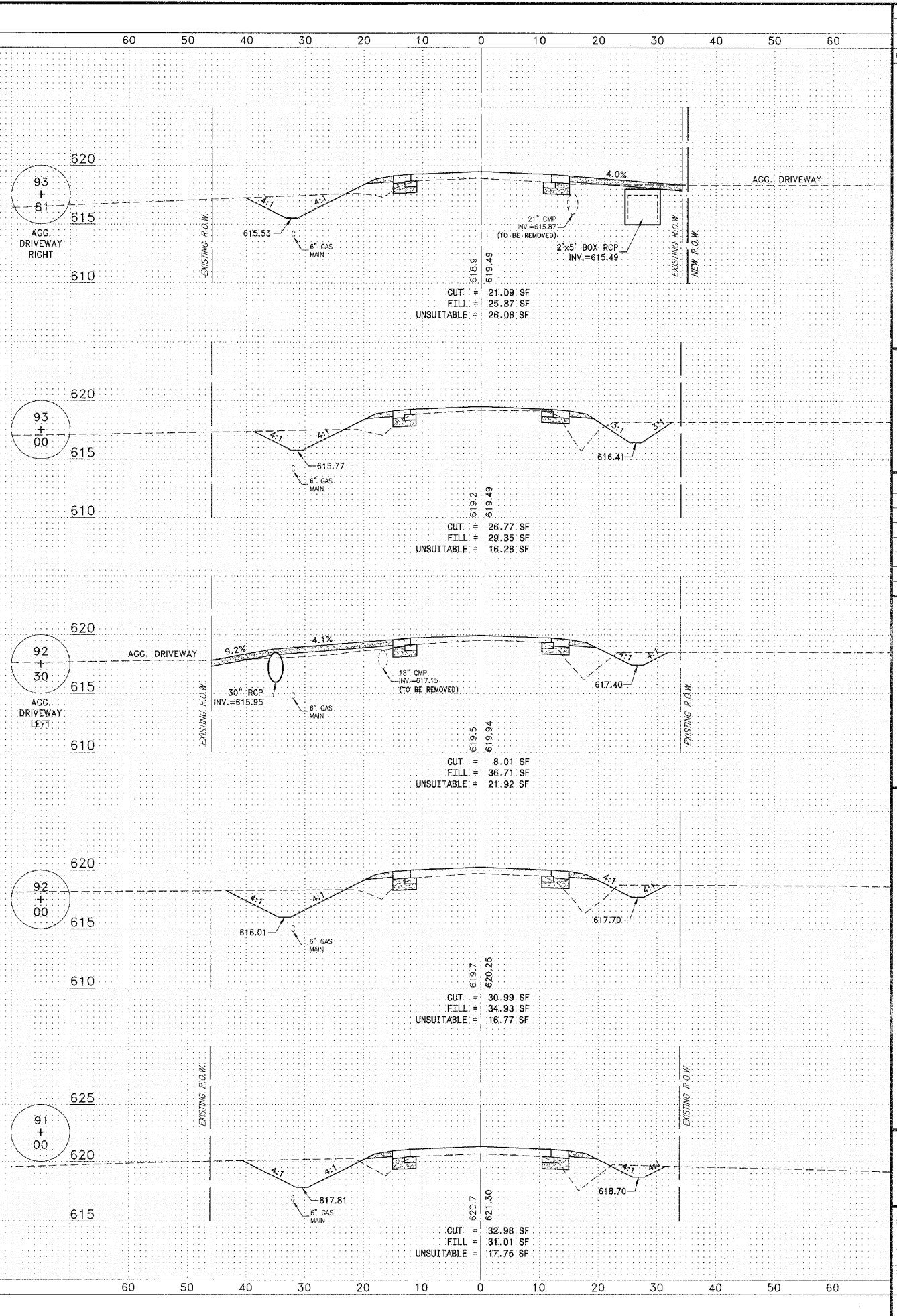
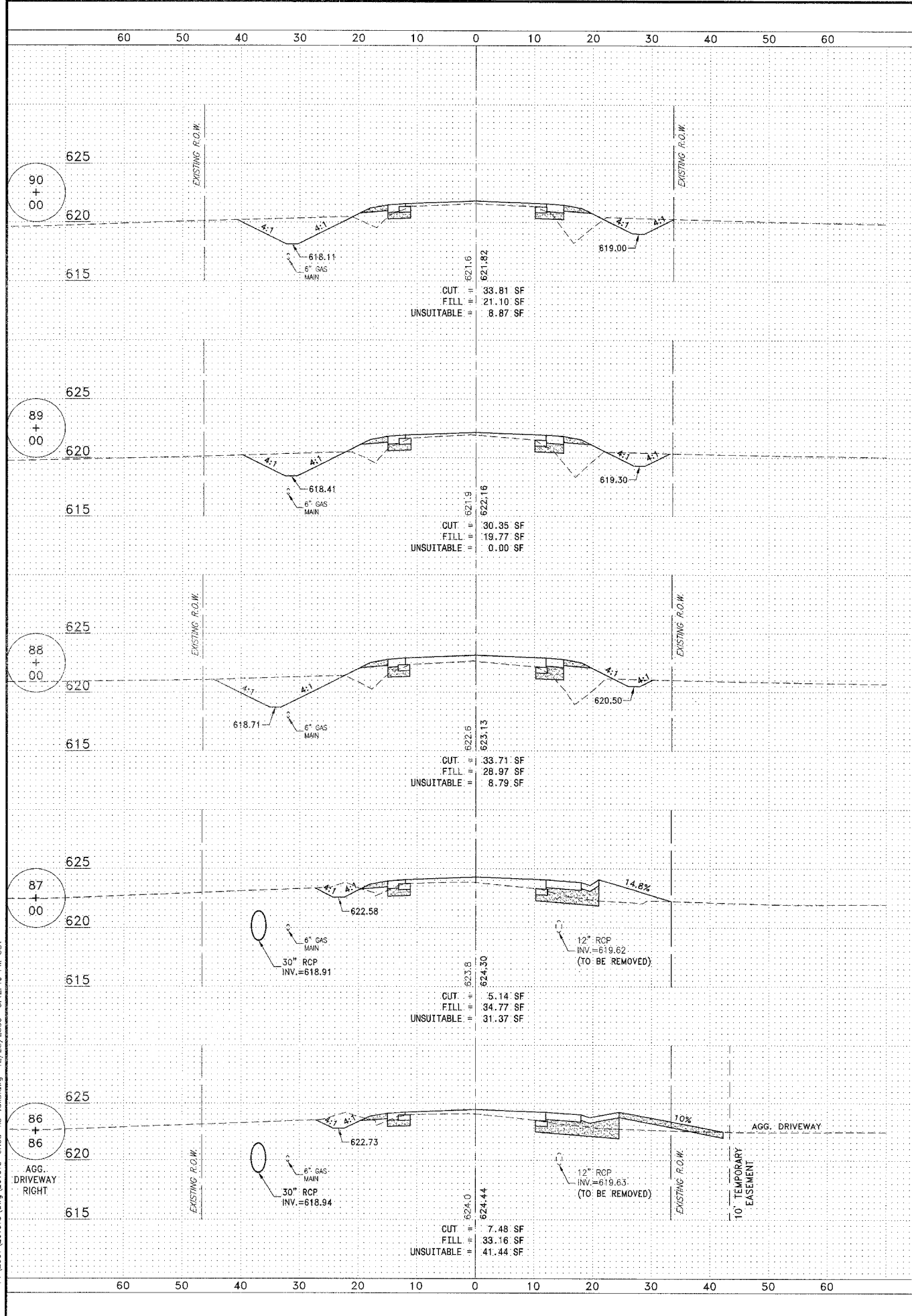
**PROPOSED IMPROVEMENTS FOR**  
**LOWE ROAD**  
 FROM IL-17 TO WALDRON ROAD  
**WALDRON ROAD**  
 FROM CORP. LIMITS TO DIVISION STREET

SECTION  
 02-00284-00-WR &  
 01-00017-00-FP

DATE: 07/10/06	JOB NO. E01015
SCALE: HORIZ.: 1"=10' VERT.: 1"=5'	FILE NO.
DRAWN BY: MRG	SHEET
CHECKED BY: SRM	<b>75</b>

83

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PLAN NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	83	76

CONTRACT NO. 87314  
 FED. ROAD DIST. NO. ILLINOIS  
 FED. AID PROJECT  
 \* LOWE RD. FAU 6209/WALDRON RD. FAU 6184  
 \*\* 02-00284-00-WR & 01-00017-00-FP

**TYSON ENGINEERING, INC.**  
 CONSULTING CIVIL ENGINEERS  
 LAND SURVEYORS  
 DESIGN FIRM LICENSE #184-001136  
 367 SOUTH SCHUYLER AVENUE  
 KANKAKEE, ILLINOIS 60901  
 PHONE (815) 932-7406

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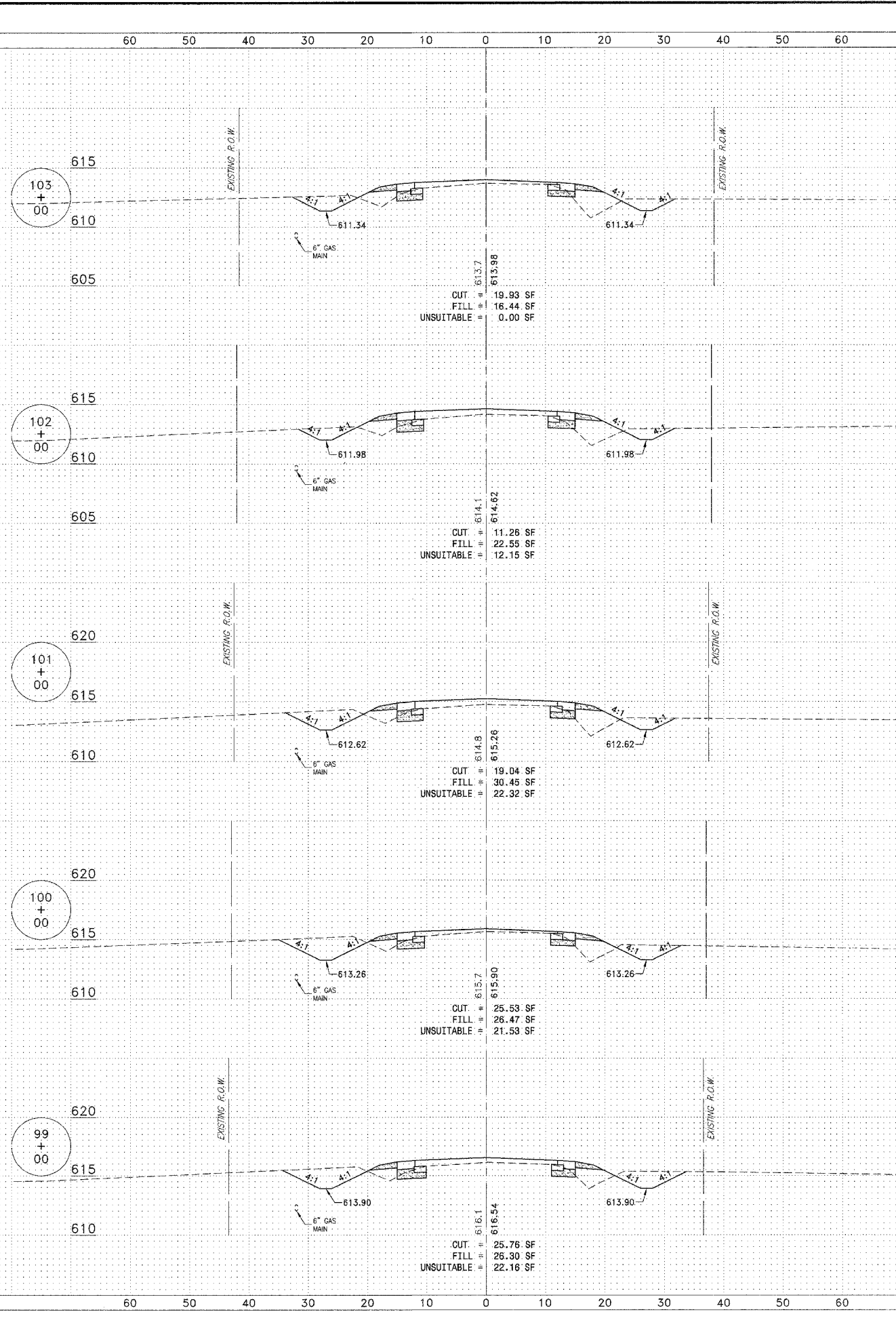
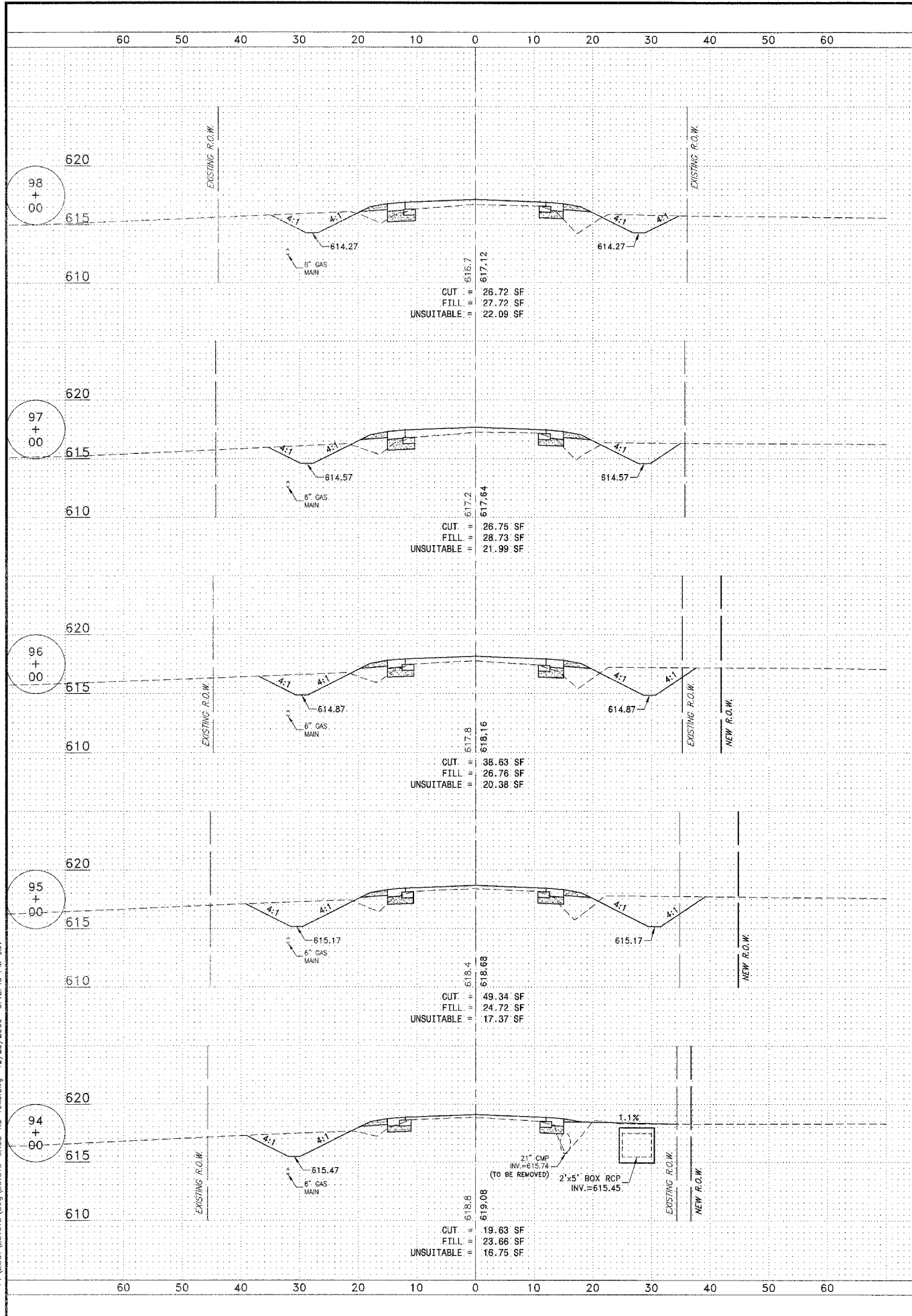
NO.	DATE	BY	DESCRIPTION
3	10/24/06	MRG	PER IDOT REVIEW
4	12/29/06	MRG	PER COUNTY REV

PROJECT: **PROPOSED IMPROVEMENTS FOR LOWE ROAD**  
**FROM IL-17 TO WALDRON ROAD**  
**WALDRON ROAD**  
**FROM CORP. LIMITS TO DIVISION STREET**

SECTION  
 02-00284-00-WR &  
 01-00017-00-FP

DATE:	07/10/06	JOB NO.	E01015
SCALE:	HORIZ.: 1"=10' VERT.: 1"=5'	FILE NO.	
DRAWN BY:	MRG	SHEET	76
CHECKED BY:	SRM		83

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DATE:	07/10/06	JOB NO.:	E01015
SCALE:	HORIZ.: 1"=10' VERT.: 1"=5'	FILE NO.:	
DRAWN BY:	MRG	SHEET:	77
CHECKED BY:	SRM		83

CONTRACT NO. B7314  
 FEDERAL ROAD DIST. NO. ILLINOIS  
 FEDERAL AID PROJECT NO. 02-00284-00-WR & 01-00017-00-FP

**TYSON ENGINEERING, INC.**  
 CONSULTING CIVIL ENGINEERS  
 LAND SURVEYORS  
 DESIGN FIRM LICENSE #184-001136  
 367 SOUTH SCHUYLER AVENUE  
 KANKAKEE, ILLINOIS 60901  
 PHONE (815) 932-7406

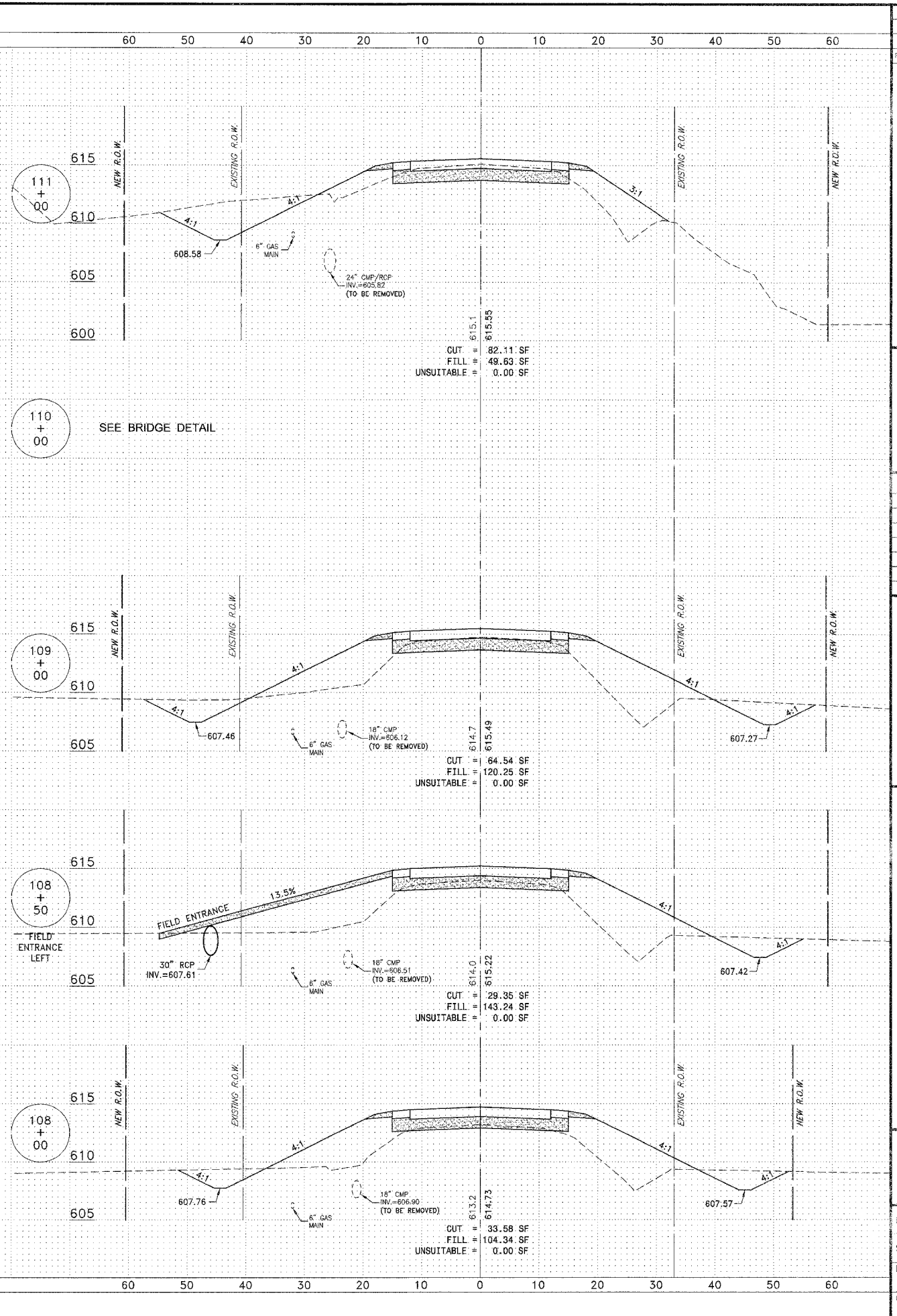
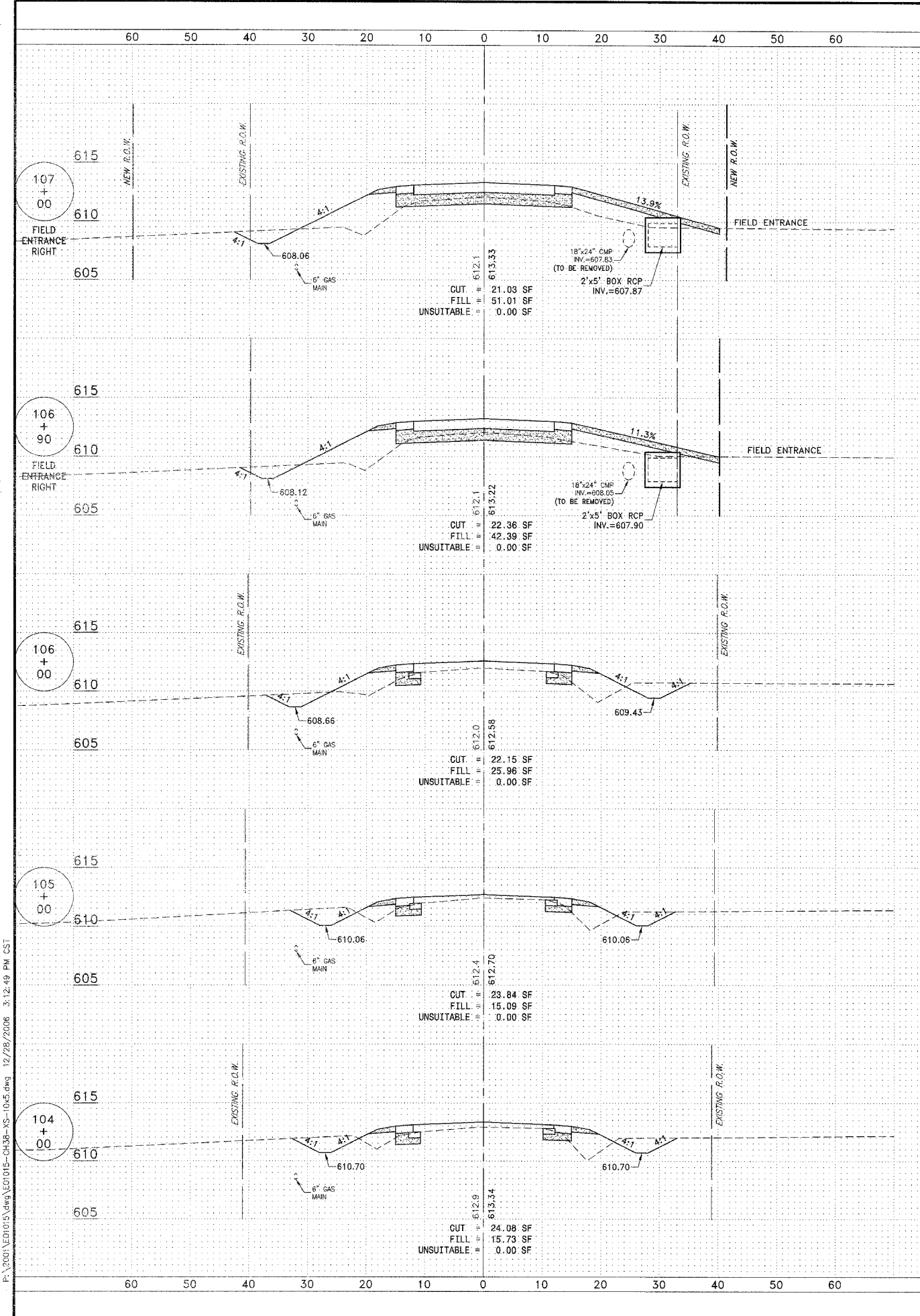
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REVISIONS			
NO.	DATE	BY	DESCRIPTION
3	10/24/06	MRG	PER IDOT REVIEW
4	12/29/06	MRG	PER COUNTY REV

PROJECT: **LOWE ROAD**  
**CROSS SECTIONS**  
 STA. 94+00 TO STA. 103+00

PROPOSED IMPROVEMENTS FOR  
**LOWE ROAD**  
 FROM IL-17 TO WALDRON ROAD  
**WALDRON ROAD**  
 FROM CORP. LIMITS TO DIVISION STREET

SECTION  
 02-00284-00-WR &  
 01-00017-00-FP



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FAJ SITE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	**	KANKAKEE	83	78

CONTRACT NO. 87314  
 FED. ROAD DIST. NO. ILLINOIS  
 FED. AID PROJECT  
 \* LOWE RD, FAJ 6209/WALDRON RD, FAJ 6184  
 \*\* 02-00284-00-WR & 01-00017-00-PP

**TYSON ENGINEERING, INC.**  
 CONSULTING CIVIL ENGINEERS  
 LAND SURVEYORS  
 DESIGN FIRM LICENSE #184-001136  
 367 SOUTH SCHUYLER AVENUE  
 KANKAKEE, ILLINOIS 60901  
 PHONE (815) 932-7406

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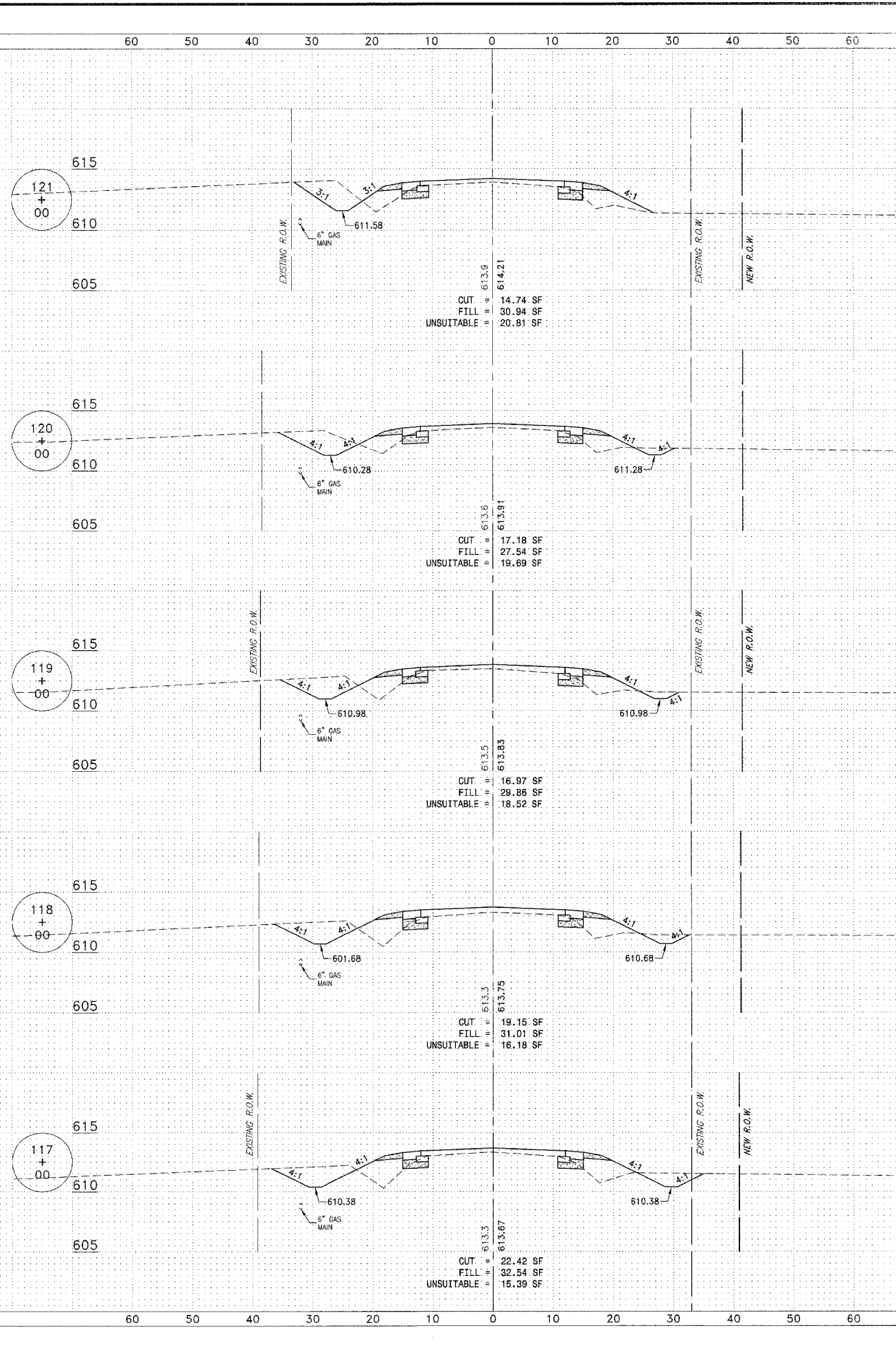
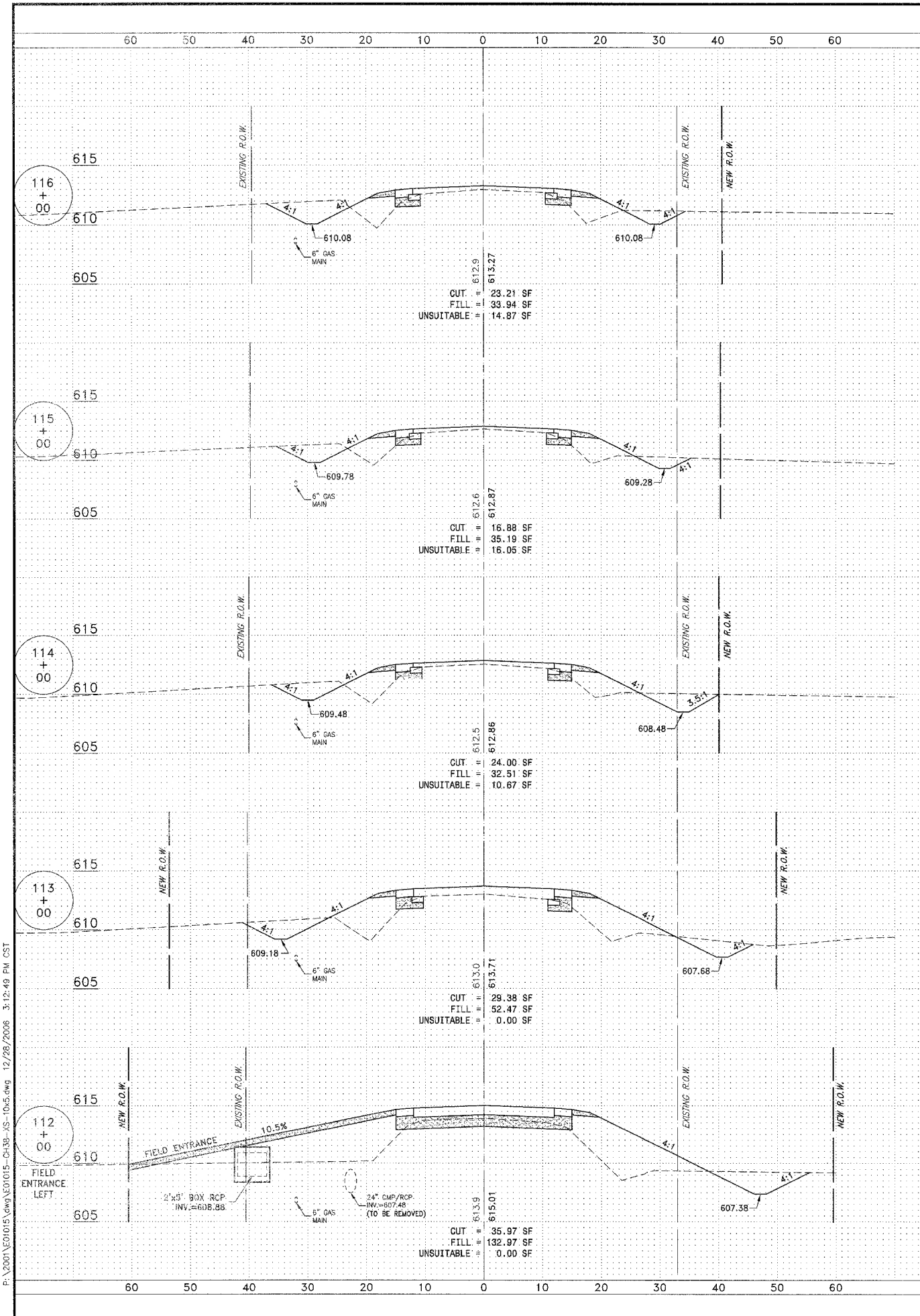
NO.	DATE	BY	DESCRIPTION
3	10/24/06	MRG	PER IDOT REVIEW
4	12/29/06	MRG	PER COUNTY REV

PROJECT: **LOWE ROAD CROSS SECTIONS**  
 STA. 104+00 TO STA. 111+00

**PROPOSED IMPROVEMENTS FOR LOWE ROAD**  
 FROM IL-17 TO WALDRON ROAD  
**WALDRON ROAD**  
 FROM CORP. LIMITS TO DIVISION STREET

SECTION  
 02-00284-00-WR &  
 01-00017-00-PP

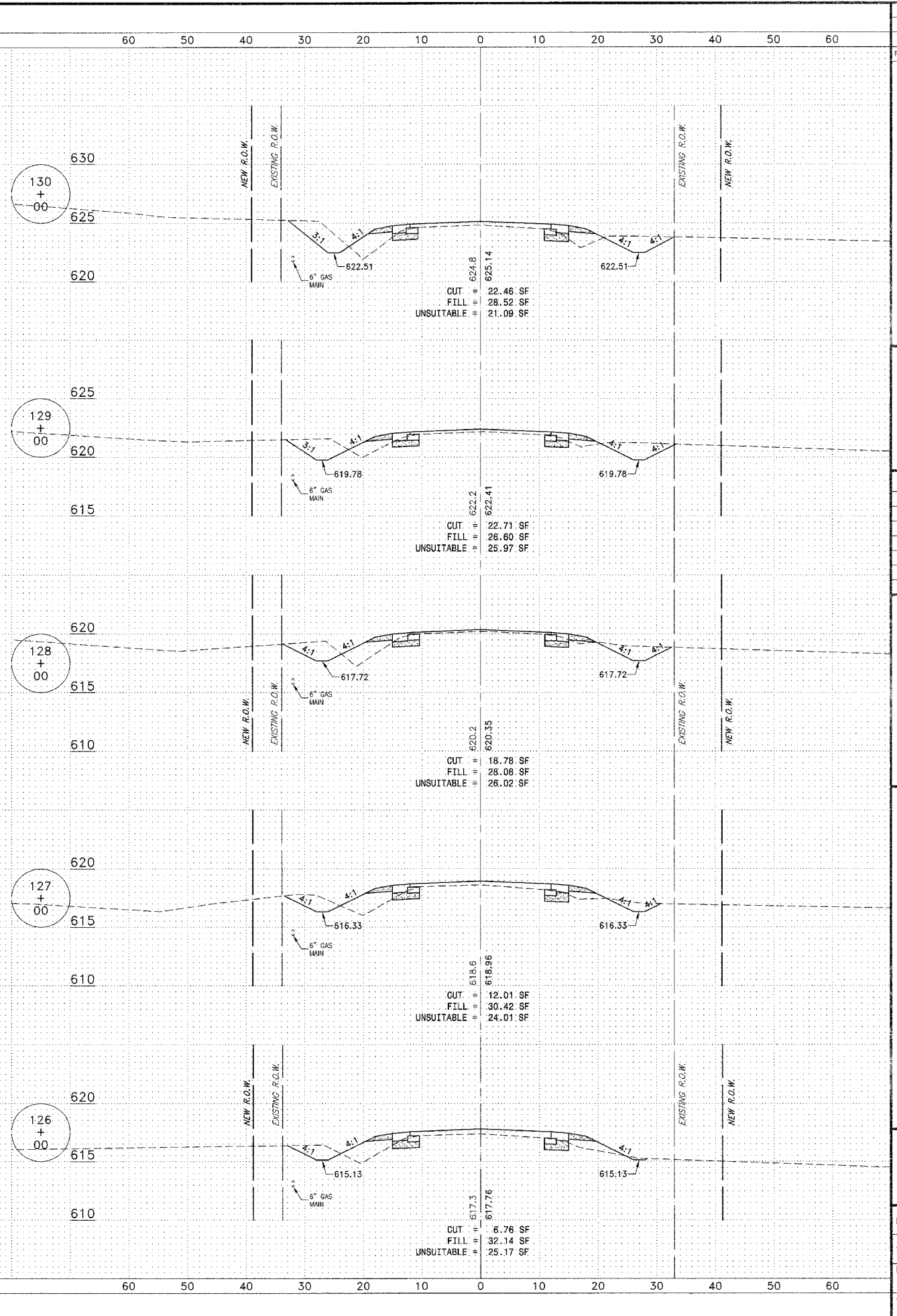
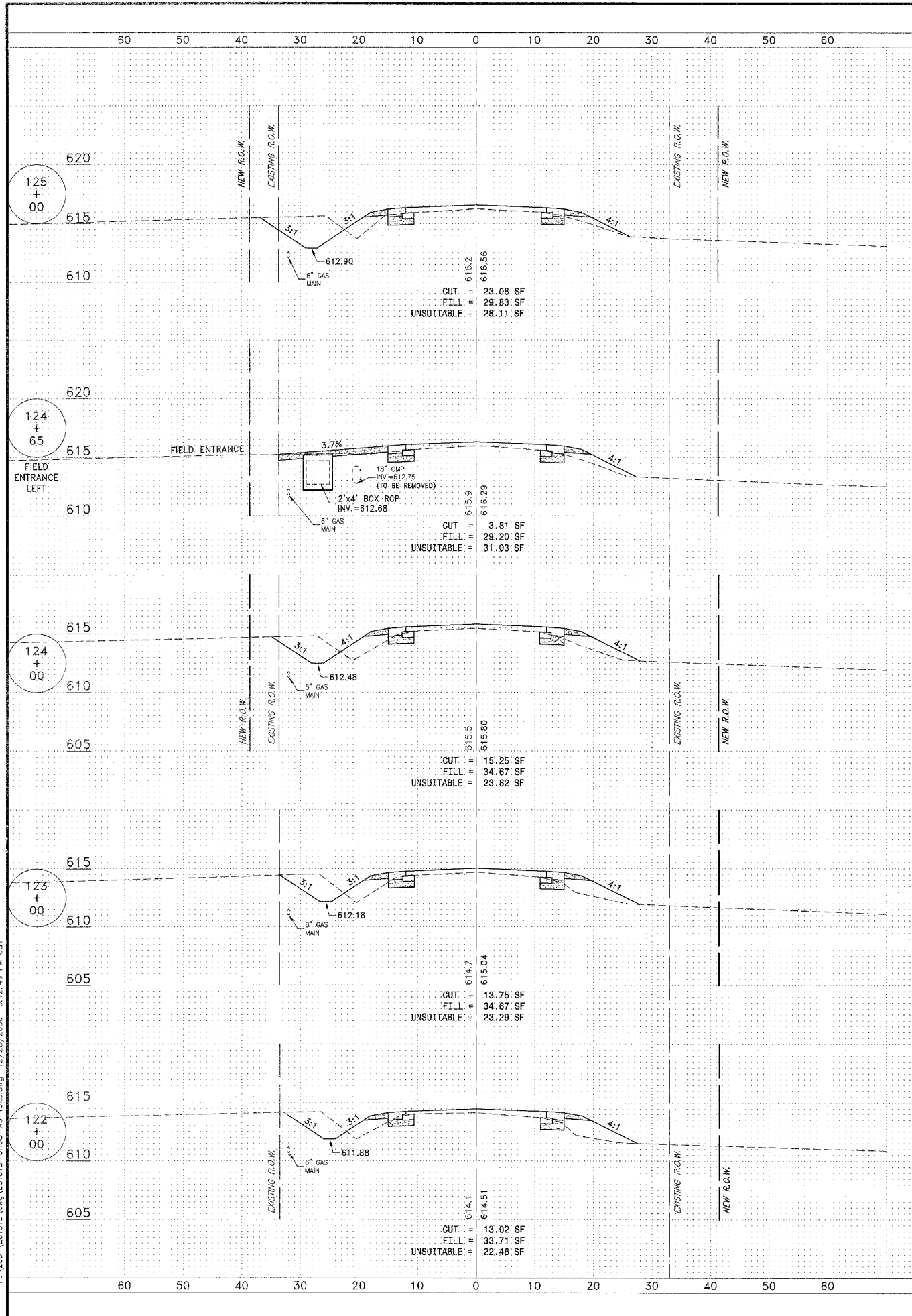
DATE:	07/10/06	JOB NO.	E01015
SCALE:	HORZ.: 1"=10' VERT.: 1"=5'	FILE NO.	
DRAWN BY:	MRG	SHEET	78
CHECKED BY:	SRM		83



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FULL SITE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		KANKAKEE	83	79
CONTRACT NO. B7314				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
* LOWE RD. FAU S209/WALDRON RD. FAU 6184				
** 02-00284-00-WR & 01-00017-00-FP				
<b>TYSON ENGINEERING, INC.</b> CONSULTING CIVIL ENGINEERS LAND SURVEYORS DESIGN FIRM LICENSE # 04-001136 367 SOUTH SCHUYLER AVENUE KANKAKEE, ILLINOIS 60901 PHONE (815) 932-7406				
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<b>REVISIONS</b>				
NO.	DATE	BY	DESCRIPTION	
3	10/24/06	MRG	PER IDOT REVIEW	
4	12/29/06	MRG	PER COUNTY REV	
<b>PROPOSED IMPROVEMENTS FOR</b> <b>LOWE ROAD</b> FROM IL-17 TO WALDRON ROAD <b>WALDRON ROAD</b> FROM CORP. LIMITS TO DIVISION STREET				
PROJECT: <b>LOWE ROAD CROSS SECTIONS</b> STA. 112+00 TO STA. 121+00				
SECTION 02-00284-00-WR & 01-00017-00-FP				
DATE:	07/10/06	JOB NO.	E01015	
SCALE:	HORIZ.: 1"=10' VERT.: 1"=5'	FILE NO.		
DRAWN BY:	MRG	SHEET	79	
CHECKED BY:	SRM		83	

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FAU DIST. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	83	80

CONTRACT NO. 87314

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

\* LOWE RD. FAU 6209/WALDRON RD. FAU 6184  
 \*\* 02-00284-00-WR & 01-00017-00-PP

**TYSON ENGINEERING, INC.**  
 CONSULTING CIVIL ENGINEERS  
 LAND SURVEYORS  
 DESIGN FIRM LICENSE #184-001136  
 367 SOUTH SCHUYLER AVENUE  
 KANKAKEE, ILLINOIS 60901  
 PHONE (815) 932-7406

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REVISIONS			
NO.	DATE	BY	DESCRIPTION
3	10/24/06	MRG	PER IDOT REVIEW
4	12/29/06	MRG	PER COUNTY REV

PROJECT: **LOWE ROAD**  
**CROSS SECTIONS**  
 STA. 122+00 TO STA. 130+00

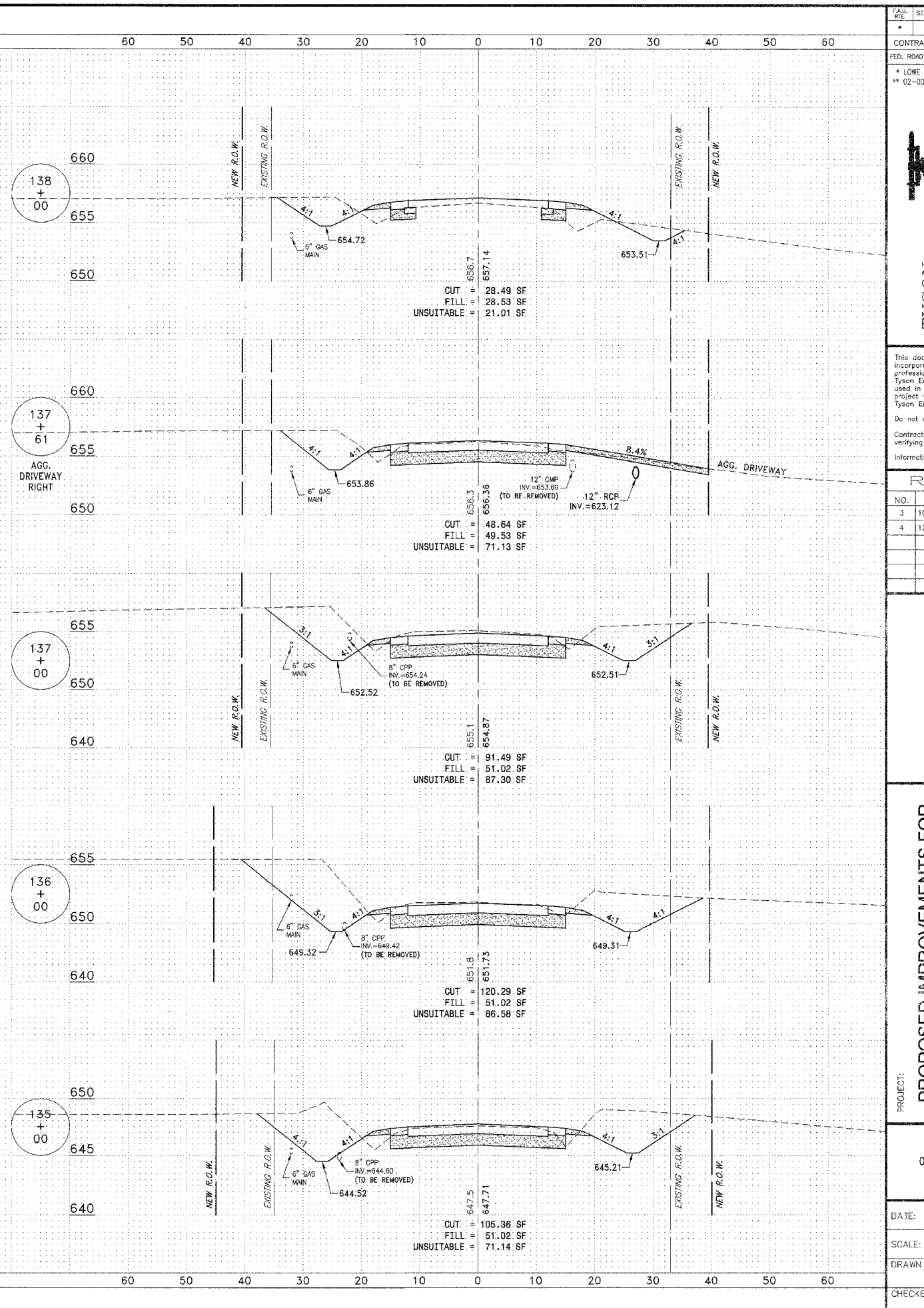
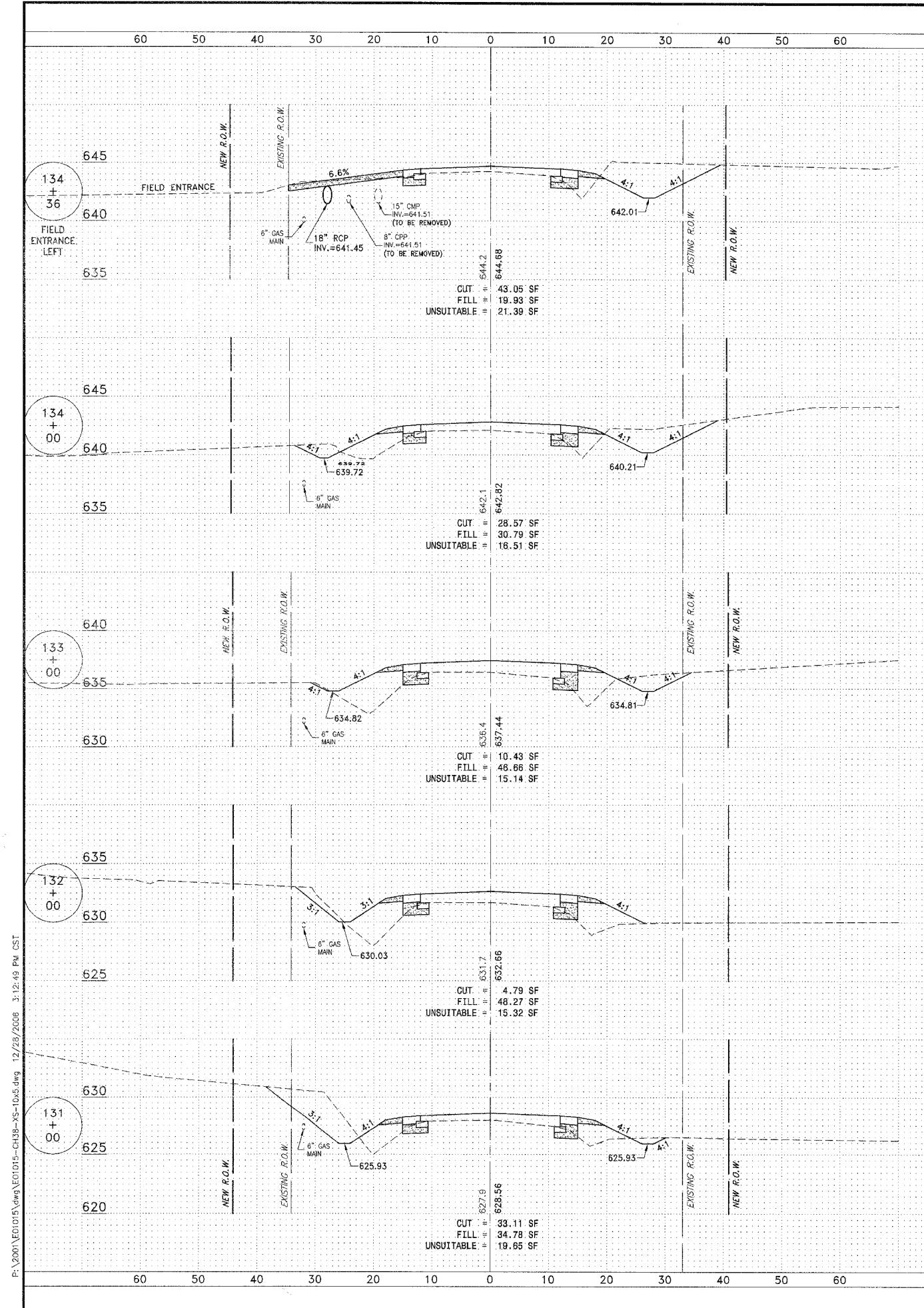
**PROPOSED IMPROVEMENTS FOR**  
**LOWE ROAD**  
 FROM IL-17 TO WALDRON ROAD  
**WALDRON ROAD**  
 FROM CORP. LIMITS TO DIVISION STREET

SECTION  
 02-00284-00-WR &  
 01-00017-00-PP

DATE: 07/10/06	JOB NO. E01015
SCALE: HORIZ.: 1"=10' VERT.: 1"=5'	FILE NO.
DRAWN BY: MRG	SHEET
CHECKED BY: SRM	<b>80</b>

83





FAU DIST.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	**	KANKAKEE	83	81

CONTRACT NO. 87314  
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT  
 \* LOWE RD. FAU 8209/WALDRON RD. FAU 6184  
 \*\* 02-00284-00-WR & 01-00017-00-FP

**TYSON ENGINEERING, INC.**  
 CONSULTING CIVIL ENGINEERS  
 LAND SURVEYORS  
 DESIGN FIRM LICENSE #184-001136  
 367 SOUTH SCHUYLER AVENUE  
 KANKAKEE, ILLINOIS 60901  
 PHONE (815) 932-7406

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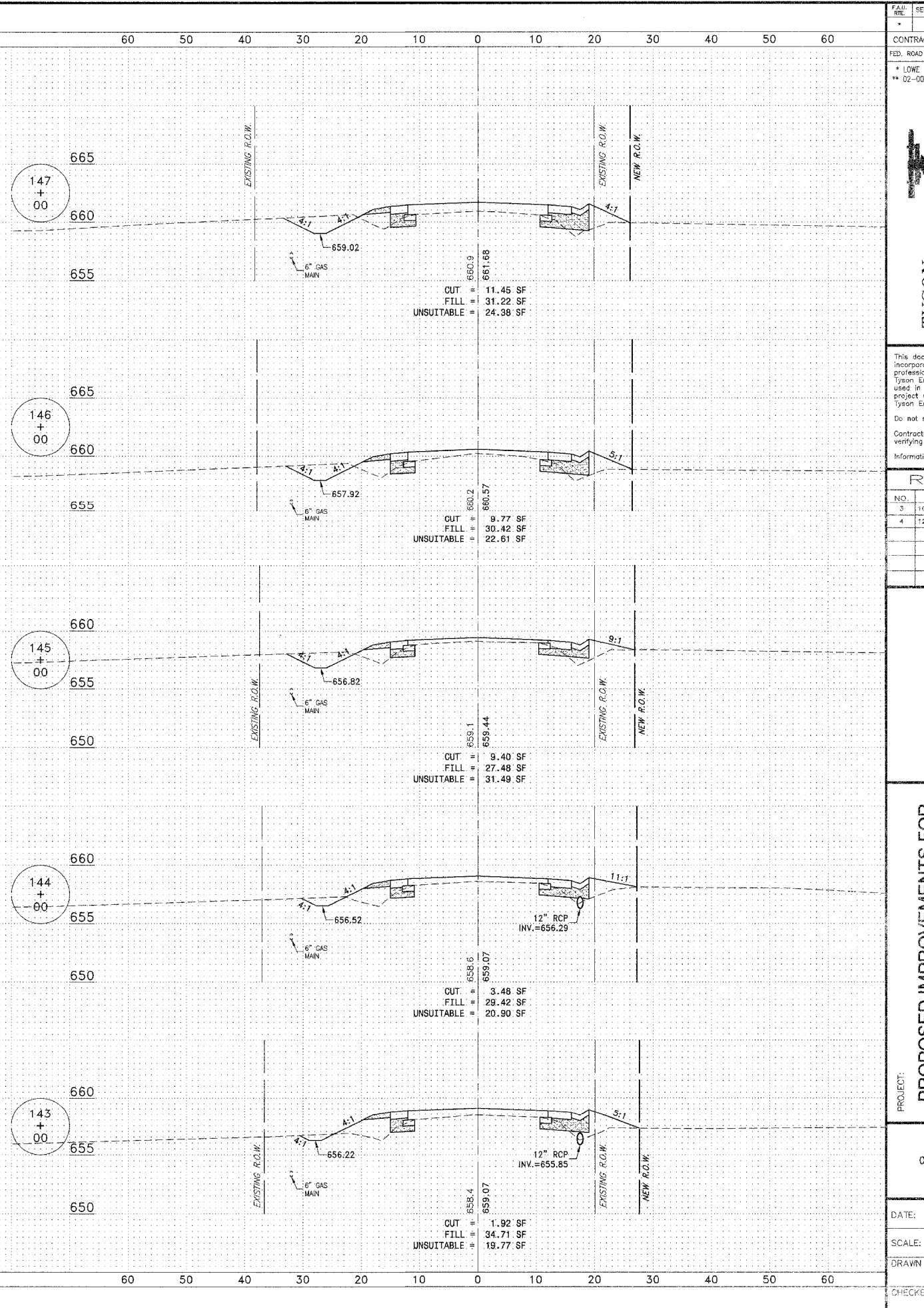
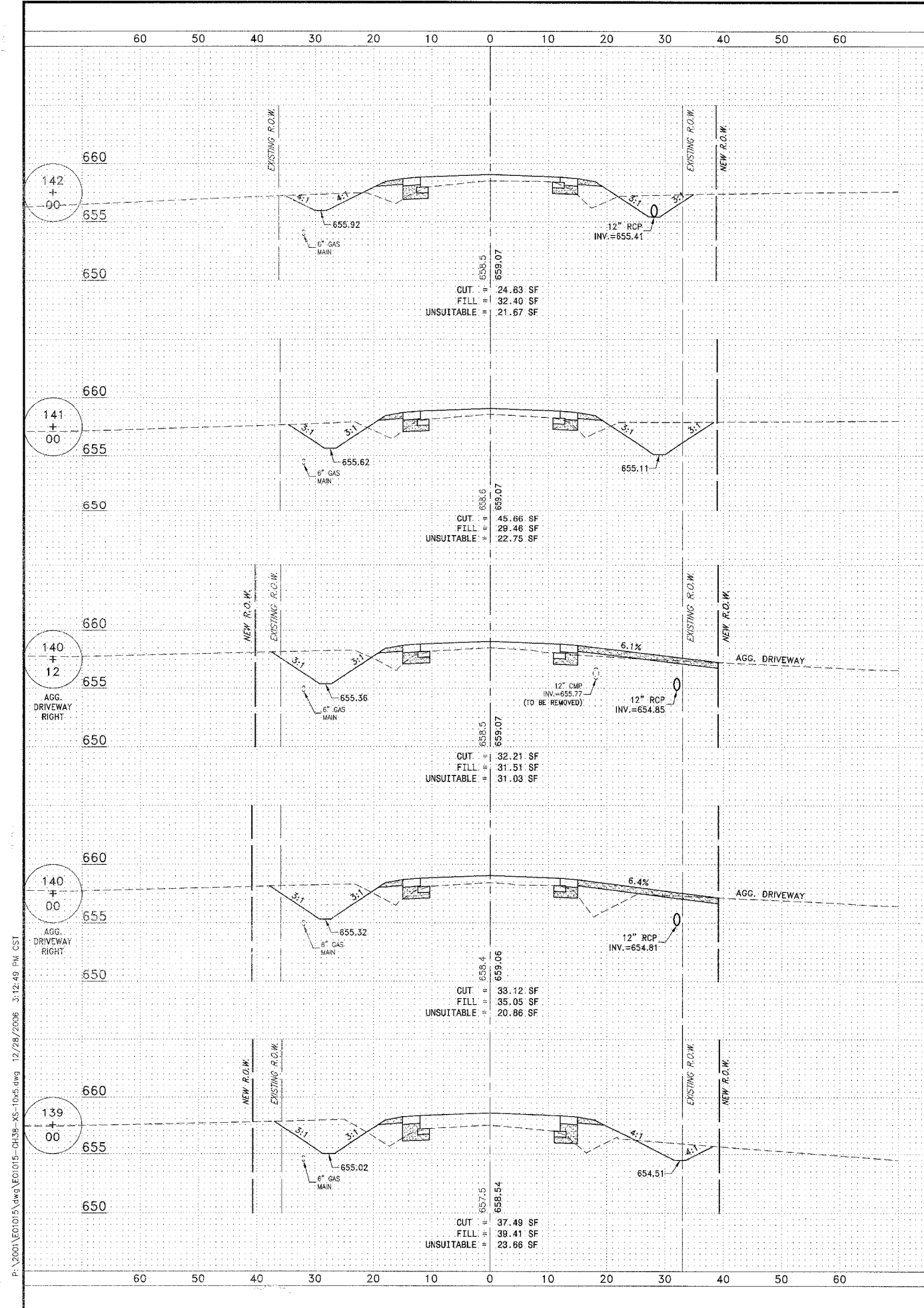
REVISIONS				
NO.	DATE	BY	DESCRIPTION	
3	10/24/06	MRG	PER IDOT REVIEW	
4	12/29/06	MRG	PER COUNTY REV	

PROJECT: **PROPOSED IMPROVEMENTS FOR LOWE ROAD**  
 FROM IL-17 TO WALDRON ROAD  
**WALDRON ROAD**  
 FROM CORP. LIMITS TO DIVISION STREET

SECTION  
 02-00284-00-WR &  
 01-00017-00-FP

DATE:	07/10/06	JOB NO.	E01015
SCALE:	HORIZ.: 1"=10' VERT.: 1"=5'	FILE NO.	
DRAWN BY:	MRG	SHEET	81
CHECKED BY:	SRM		83

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PLAN	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	**	KANKAKEE	83	82

CONTRACT NO. 87314

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

LOWE RD. FAU 6209/WALDRON RD. FAU 6184  
 \*\* 02-00284-00-WR & 01-00017-00-FP

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 LAND SURVEYORS  
 DESIGN FIRM LICENSE # 181-001136  
 367 SOUTH SCHUYLER AVENUE  
 KANKAKEE, ILLINOIS 60901  
 PHONE (815) 932-7406

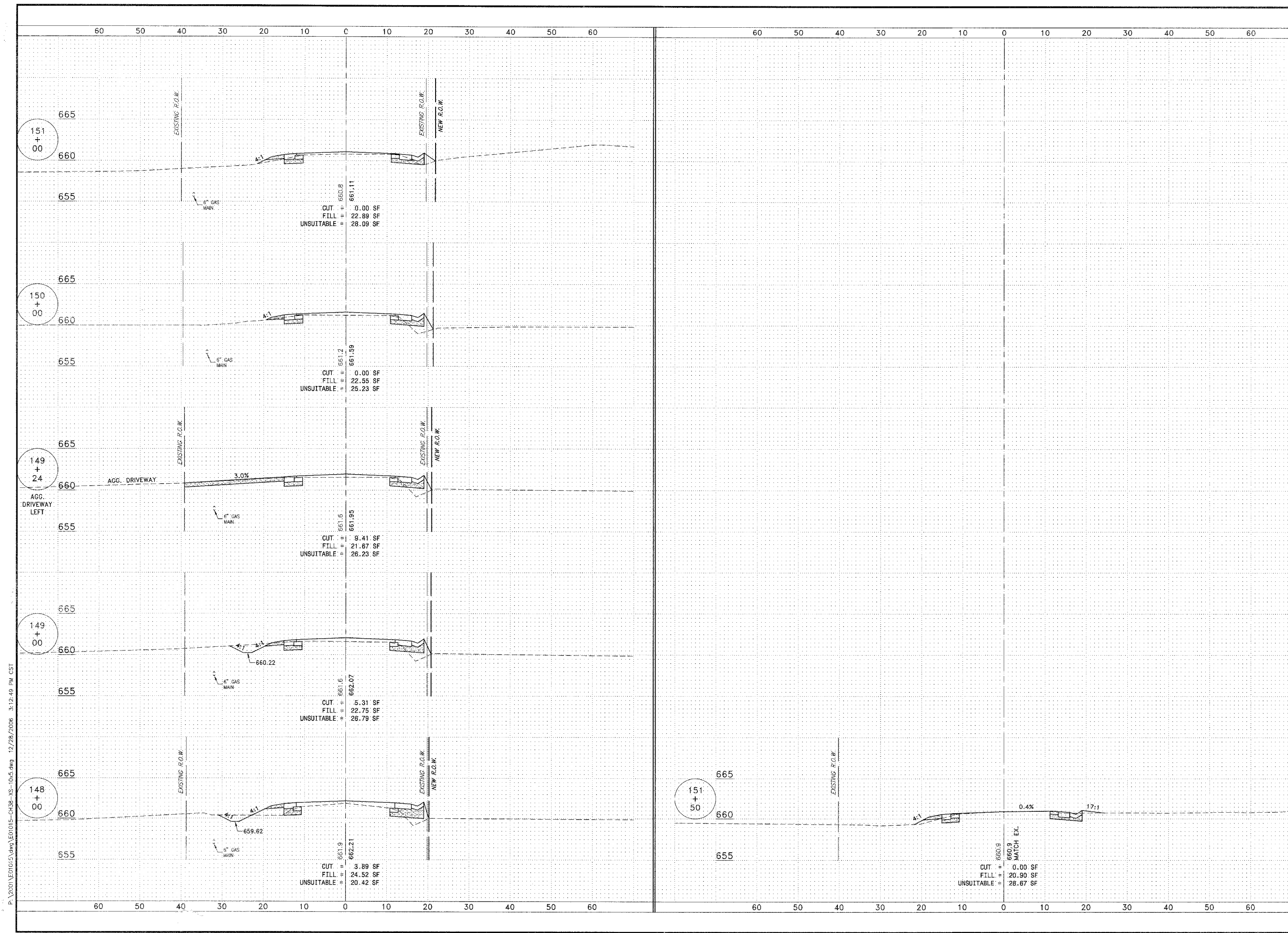
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NO.	DATE	BY	DESCRIPTION
3	10/24/06	MRC	PER DOT REVIEW
4	12/29/06	MRC	PER COUNTY REV

PROJECT: **PROPOSED IMPROVEMENTS FOR LOWE ROAD**  
 FROM IL-17 TO WALDRON ROAD  
**WALDRON ROAD**  
 FROM CORP. LIMITS TO DIVISION STREET

SECTION  
 02-00284-00-WR &  
 01-00017-00-FP

DATE:	07/10/06	JOB NO.	E01015
SCALE:	HORIZ.: 1"=10' VERT.: 1"=5'	FILE NO.	
DRAWN BY:	MRC	SHEET	82
CHECKED BY:	SRM		83



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FAJ SITE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	83	83
CONTRACT NO. 87314				
FED. ROAD DIST. NO. ILLINOIS				
FED. AID PROJECT				
* LOWE RD. FAJ 6209/WALDRON RD. FAJ 6184				
** 02-00284-00-WR & 01-00017-00-FP				
 <b>TYSON ENGINEERING, INC.</b> CONSULTING CIVIL ENGINEERS LAND SURVEYORS DESIGN FIRM LICENSE #184-001136 367 SOUTH SCHUYLER AVENUE KANKAKEE, ILLINOIS 60901 PHONE (815) 932-7406				
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<b>REVISIONS</b>				
NO.	DATE	BY	DESCRIPTION	
3	10/24/06	MRG	PER IDOT REVIEW	
4	12/29/06	MRG	PER COUNTY REV	
PROJECT: <b>PROPOSED IMPROVEMENTS FOR LOWE ROAD</b> <b>LOWE ROAD</b> FROM IL-17 TO WALDRON ROAD <b>WALDRON ROAD</b> FROM CORP. LIMITS TO DIVISION STREET CROSS SECTIONS STA. 148+00 TO STA. 151+50				
SECTION 02-00284-00-WR & 01-00017-00-FP				
DATE:	07/10/06	JOB NO.:	E01015	
SCALE:	HORZ.: 1"=10' VERT.: 1"=5'	FILE NO.:		
DRAWN BY:	MRG	SHEET:	83	
CHECKED BY:	SRM		83	