

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	(39&41)I-2	LAKE	9	1
		ILLINOIS	CONTRACT NO. 62916	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

IMPROVEMENT IS LOCATED
IN THE VILLAGE OF OLD
MILL CREEK

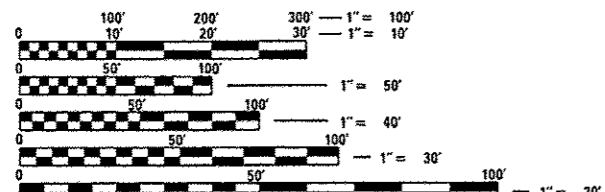
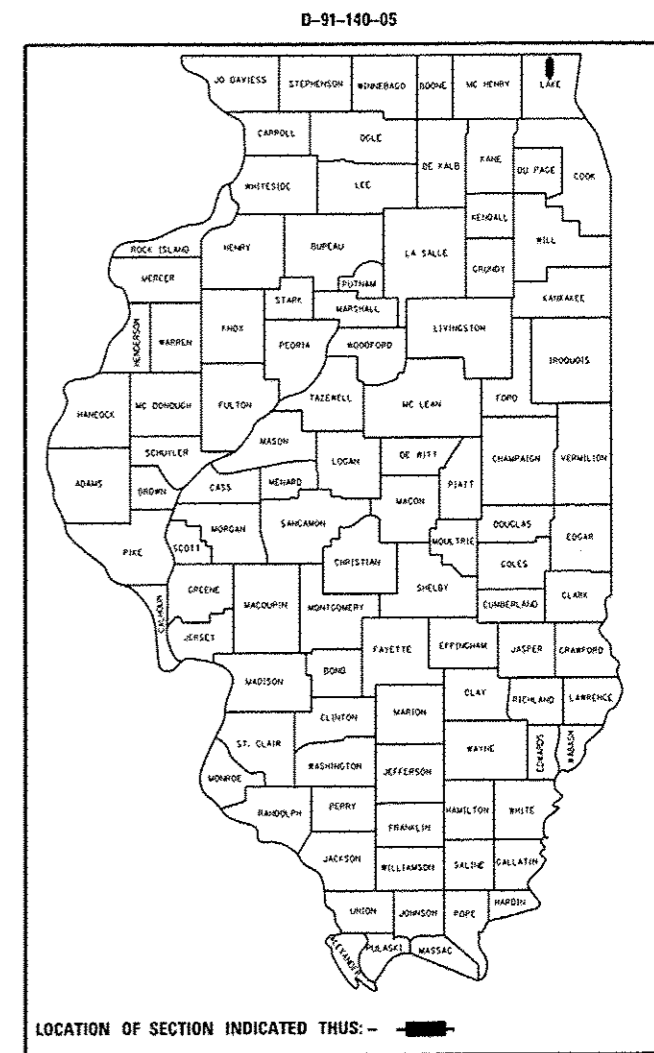
**PROPOSED
HIGHWAY PLANS**

FAP ROUTE 344: US 45 (MCHENRY RD.)
N. OF GRASS LAKE ROAD
SECTION (39&41)I-2
RETAINING WALL REMOVAL
LAKE COUNTY

C-91-140-05

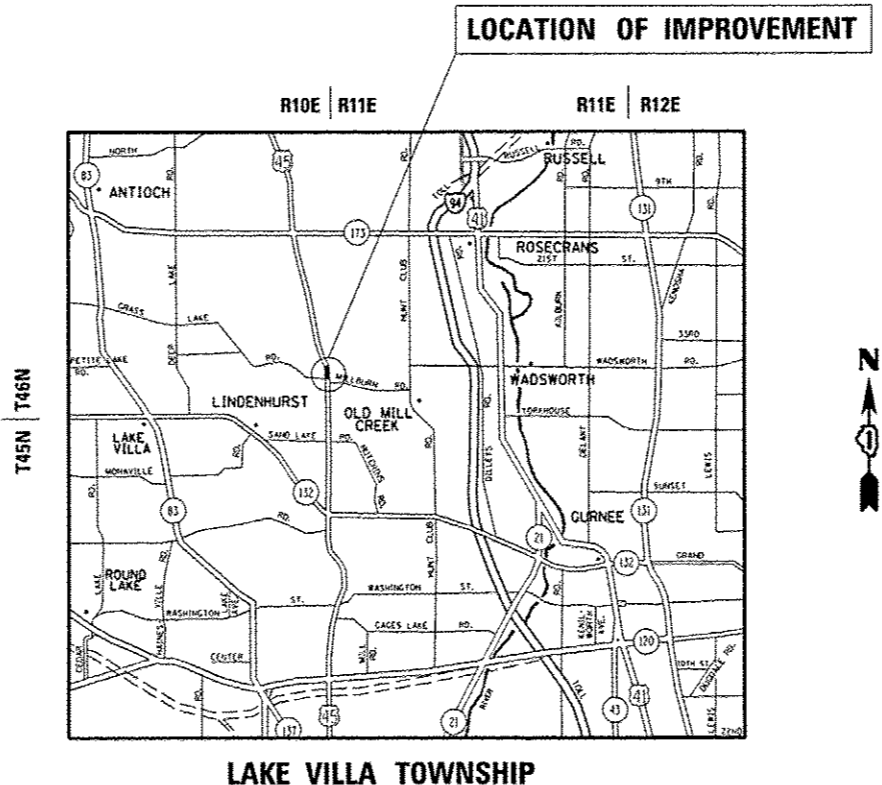
TRAFFIC DATA

2011 ADT = 7000
POSTED SPEED = 40 MPH



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

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



PROJECT ENGINEER: J. ALAIN MIDY (847)-221-3056
PROJECT MANAGER: ISSAM RAYYAN
CONTRACT NO. 62916

GROSS LENGTH = 94.00 FT. = 0.018 MILE
NET LENGTH = 94.00 FT. = 0.018 MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED July 9 2013
John F. ...
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

Aug 16 2013
John D. Baranzelli PE
ENGINEER OF DESIGN AND ENVIRONMENT

Aug 16 2013
Osman ...
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

**PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS**

INDEX OF SHEETS

1. COVER SHEET
2. INDEX OF SHEETS, STANDARDS AND GENERAL NOTES
3. SUMMARY OF QUANTITIES
4. TYPICAL SECTIONS AND SCHEDULE OF QUANTITIES
5. PLATS OF HIGHWAY
6. REMOVAL AND PROPOSED ROADWAY PLAN
7. TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS (TC-10)
8. ARTERIAL ROAD INFORMATION SIGN (TC-22)
9. CROSS SECTIONS

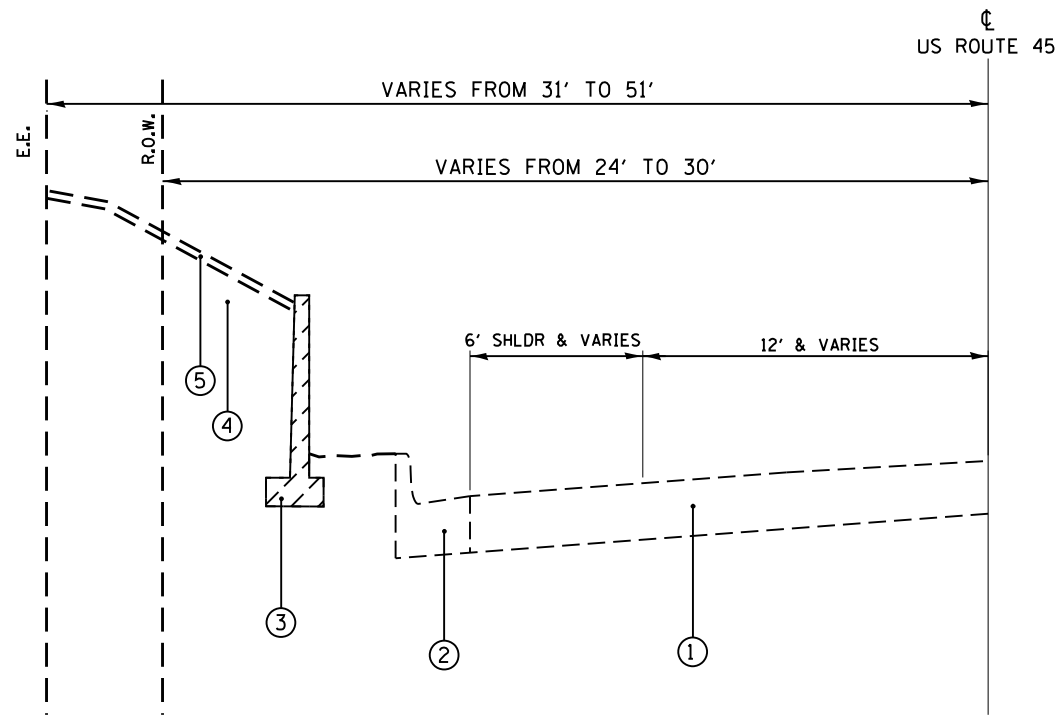
LIST OF STATE STANDARDS

- 000001-06 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 701006-04 OFF-RD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
- 701301-04 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
- 701701-08 URBAN LANE CLOSURE, MULTILANE INTERSECTION
- 701901-02 TRAFFIC CONTROL DEVICES

GENERAL NOTES

1. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL J.U.L.I.E. AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS UTILITIES. 48 HOUR NOTIFICATION IS REQUIRED.
2. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, AND THE VILLAGE OF OLD MILL CREEK.
3. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
4. ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT NO ADDITIONAL COST TO THE DEPARTMENT.
5. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
6. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847)705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
7. WHERE SECTION OR SUB-SECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED THEIR LOCATION.
8. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
9. DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS

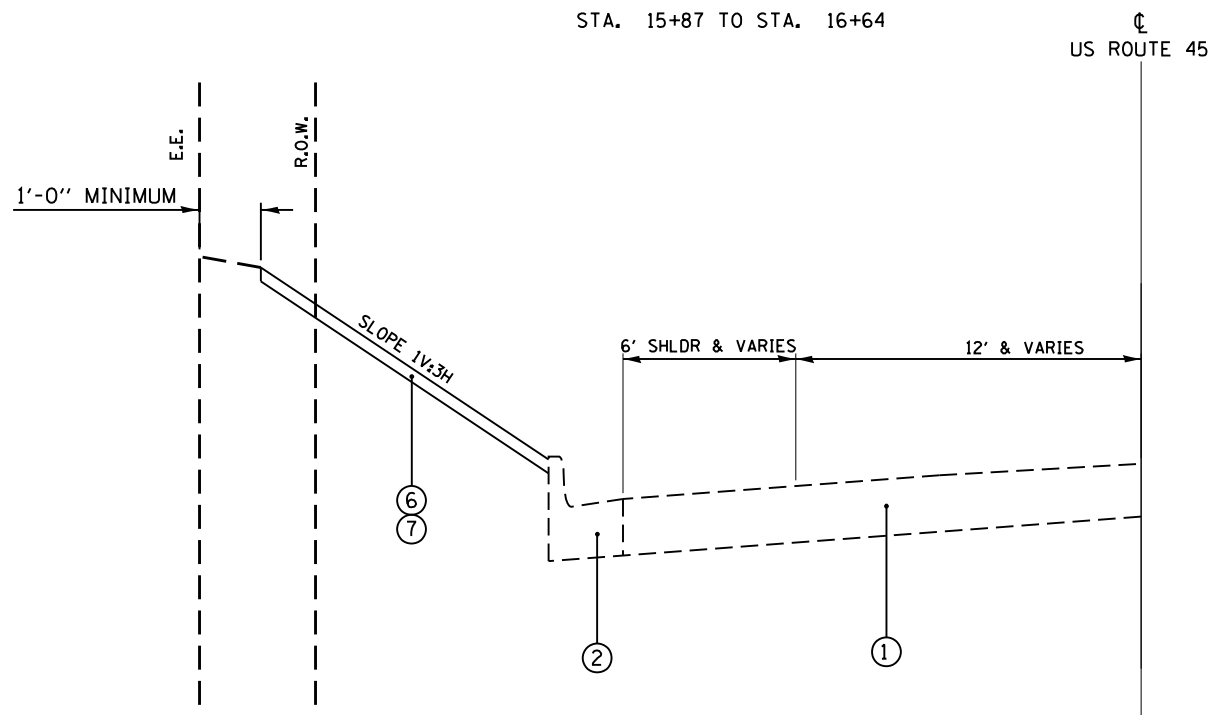
FILE NAME : c:\pwork\pvidot\dahhan\0195979\0114005-shl-gennotc.dgn	USER NAME : dahhan	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	US 45 N. OF GRASS LAKE ROAD		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default	PLOT SCALE : 2.0000 / 1 in.	DRAWN -	REVISED -		344	(39&4)1-2	LAKE	9	2		
	PLOT DATE : 7/10/2013	CHECKED -	REVISED -		SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.		CONTRACT NO. 62916				
		DATE -	REVISED -		ILLINOIS FED. AID PROJECT						



TYPICAL EXISTING CROSS SECTION

US ROUTE 45

STA. 15+87 TO STA. 16+64



PROPOSED TYPICAL CROSS SECTION

US ROUTE 45

STA. 15+87 TO STA. 16+81

LEGEND

- 1 EXISTING HMA PAVEMENT
- 2 EXISTING COMBINATION CONCRETE CURB AND GUTTER
- 3 EXISTING REINFORCED CONCRETE RETAINING WALL TO BE REMOVED
- 4 EXISTING GROUND
- 5 EXISTING TOPSOIL, 4"
- 6 PROPOSED SODDING, SALT TOLERANT
- 7 PROPOSED TOPSOIL FURNISH AND PLACE, 6"

EARTHWORK SCHEDULE					
EARTHWORK LOCATION	1 EARTH EXCAVATION (CU. YD.)	2 EARTH EXCAVATION ADJUSTED FOR SHRINKAGE (CU. YD.)	3 REMOVAL OF UNSTABLE OR UNSTABLE MATERIAL (CU. YD.)	4 EMBANKMENT (CU. YD.)	5 EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CU. YD.)
US 45					
15+87 - 16+81	14	11.9	0	7	4.9

TOPSOIL SCHEDULE					
TOPSOIL LOCATION	1 TOPSOIL EXCAVATION AND PLACEMENT (CU. YD.)	2 TOPSOIL EXCAVATION AND PLACEMENT ADJUSTED FOR SHRINKAGE (CU. YD.)	3 REMOVAL OF UNSTABLE OR UNSTABLE MATERIAL (CU. YD.)	4 TOPSOIL FURNISH AND PLACE, 6" (CU. YD.)	5 TOPSOIL BALANCE WASTE (+) OR SHORTAGE (-) (CU. YD.)
US 45					
15+87 - 16+81	4	3.4	0	13	-9.6

NOTE:

- 1 = QUANTITIES FROM EARTHWORK SPREADSHEET
- 2 = (1) * 0.85
- 3 = ESTIMATED QUANTITIES FROM CROSS-SECTIONS
- 4 = QUANTITIES FROM EARTHWORK SPREADSHEET
- 5 = (2)-(4)

PART OF THE NE.1/4 OF SECTION 36, TWP.46N., R.10E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS

CONTRACT NO. 62916

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	139&411-2	LAKE	9	5
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

LEGEND

SECTION CORNER
QUARTER SECTION CORNER

SECTION LINE
QUARTER SECTION LINE
QUARTER, QUARTER SECTION LINE
PLATTED LOT LINES
PROPERTY (DEED) LINE
APL APPARENT PROPERTY LINE
EXISTING CENTERLINE
PROPOSED CENTERLINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
PROPOSED EASEMENT
MEASURED DIMENSION
129.32' (129.32') (129.32')
COMPUTED DIMENSION
RECORDED DIMENSION
EXISTING BUILDING

GRAPHIC SCALE
FEET
0 20,40 30,60 50,100
SCALE: 1" = 20'

Bearings are referenced to the Illinois Coordinate System, NAD83, East Zone, as provided by the Illinois Department of Transportation.

- IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- + CUT CROSS FOUND OR SET
- 5/8" REBAR SET
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD -LUSH WITH GROUND TO TIE FOUND IRON STAKE IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- T2
- T3
- BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT2
- BT3
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ⊙ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

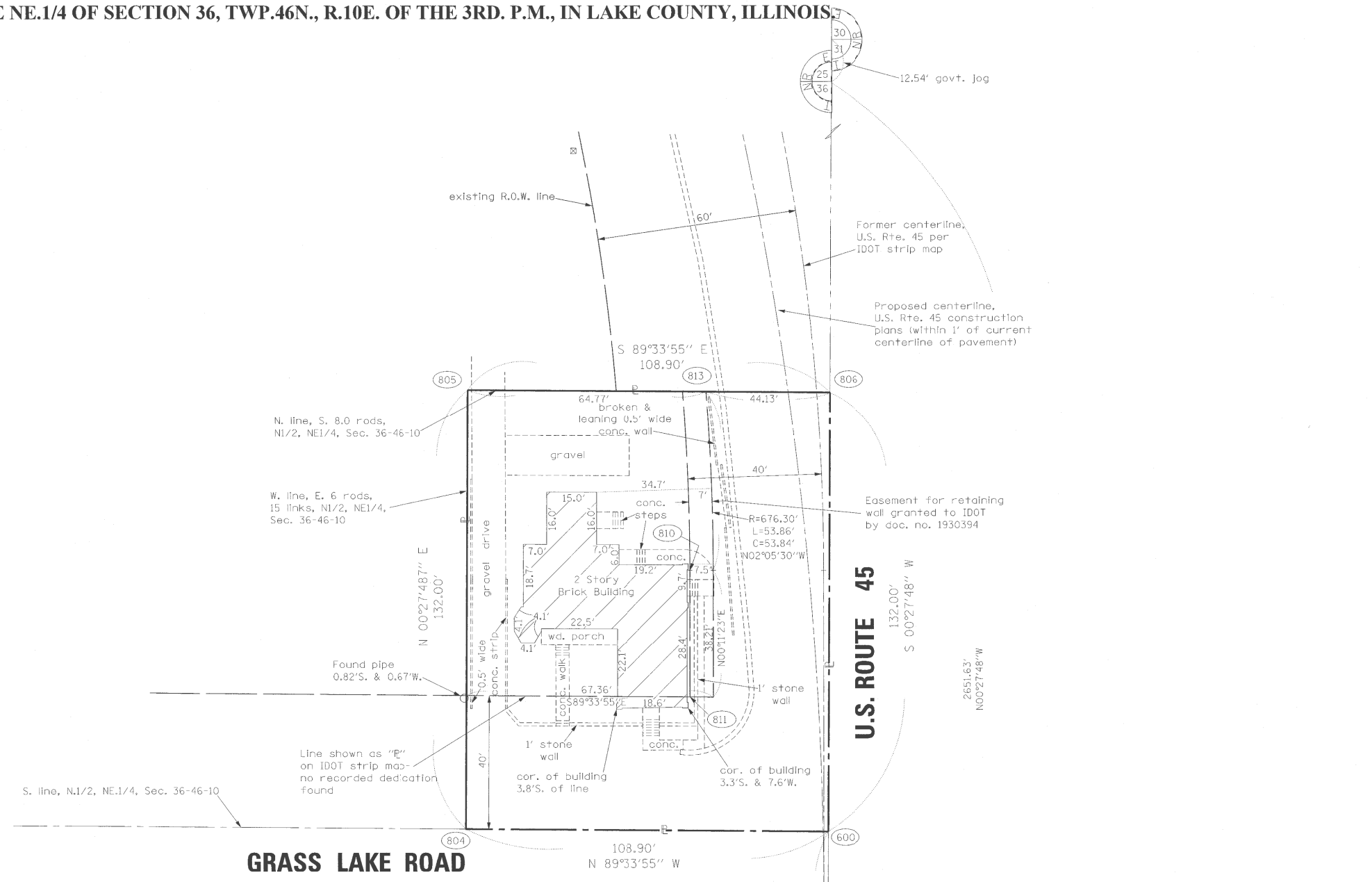
THIS IS TO CERTIFY THAT I, KENNETH J. PESAVENTO, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE, RUETTIGER, TONELLI & ASSOCIATES, AN ILLINOIS PROFESSIONAL DESIGN FIRM, NUMBER 184-001251,) HAVE SURVEYED THE PROPERTY DESCRIBED IN THE ABOVE CAPTION AND SHOWN HEREON IN SECTION 36, TOWNSHIP 46 NORTH, RANGE 10 EAST OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

FIELD WORK COMPLETED ON APRIL 25, 2013.
DATED AT Joliet, ILLINOIS THIS 17th DAY OF June 2013 A.D.



Kenneth J. Pesavento
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3425
LICENSE EXPIRATION DATE: 11-30-2014
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

RT & A Ruettiger, Tonelli & Associates, Inc.
Surveyors • Engineers • Planners • Landscape Architects • GIS Consultants
2174 ONEDA STREET - JOLIET, ILLINOIS 60435
PH: (815) 744-6600 FAX: (815) 744-0101
Website: www.ruettiger-tonelli.com
R.T. & A. Dwg. No.: 2013-0373



OWNER	TOTAL HOLDING ACRES	AREA IN EXISTING ROW ACRES	PERMANENT INDEX NUMBER
THE TRUST UNDER THE WILL OF TEMPLE SMITH, SR., FOR THE BENEFIT OF TEMPLE SMITH, JR.	0.330	0.189 Occupied ROW	02-36-200-023

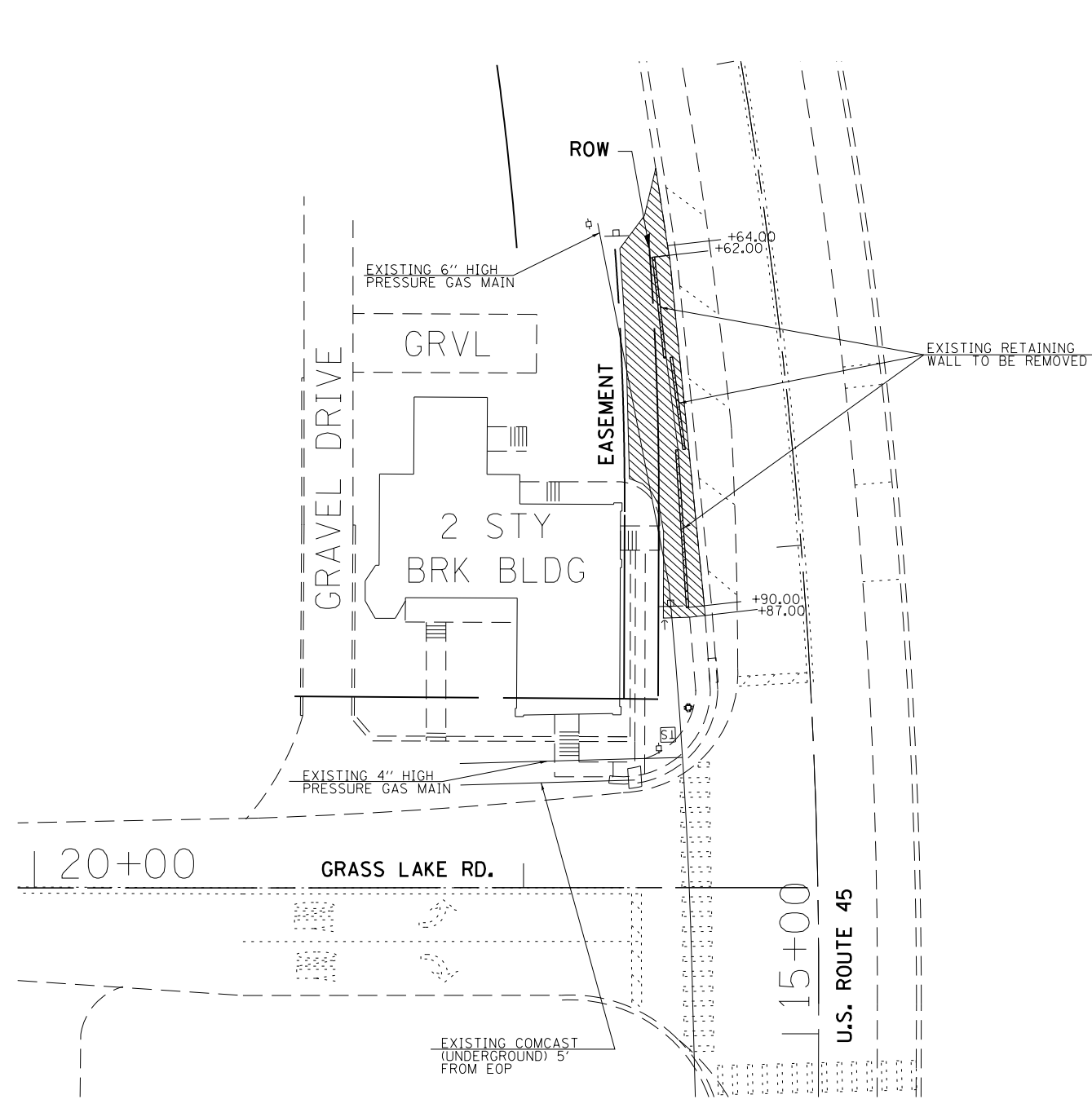
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804	2098030.8810	1073125.0434
805	2098162.8767	1073126.1108
806	2098162.0506	1073235.0077
810	2098108.5787	1073192.8485
811	2098070.3687	1073192.7219
813	2098162.3853	1073190.8833

REVISION DATE: REVISION MADE BY

PLAT OF SURVEY
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
US ROUTE 45

LIMITS: @ GRASS LAKE RD. COUNTY: LAKE
PROJECT JOB NO.:R91-999-90
STATION TO STATION
SCALE: 1"=20' SHEET 1 OF 1

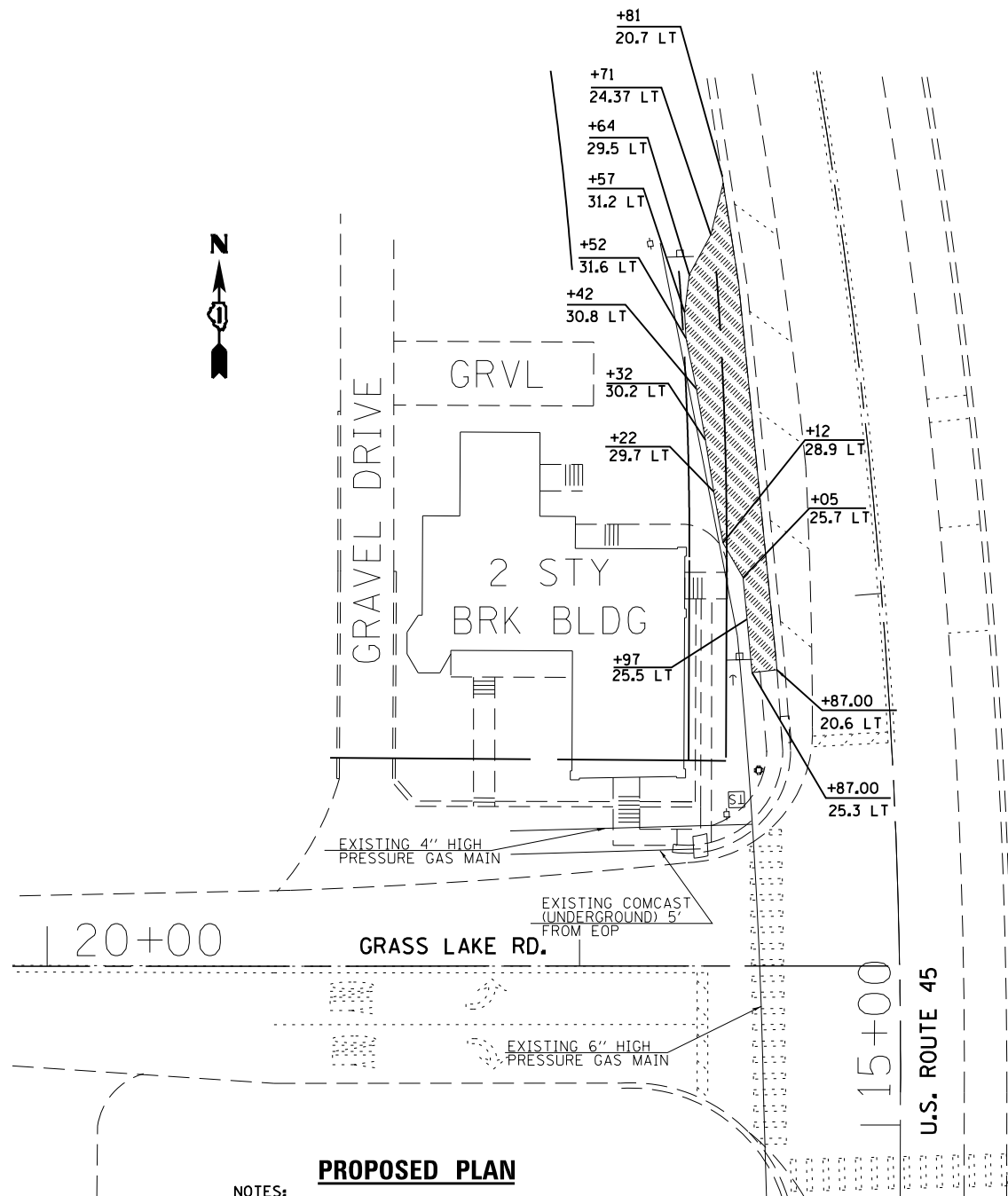
BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196



NOTES:

EXISTING CONCRETE RETAINING WALL REMOVAL SHALL BE PAID FOR AS "REMOVAL OF EXISTING STRUCTURE".

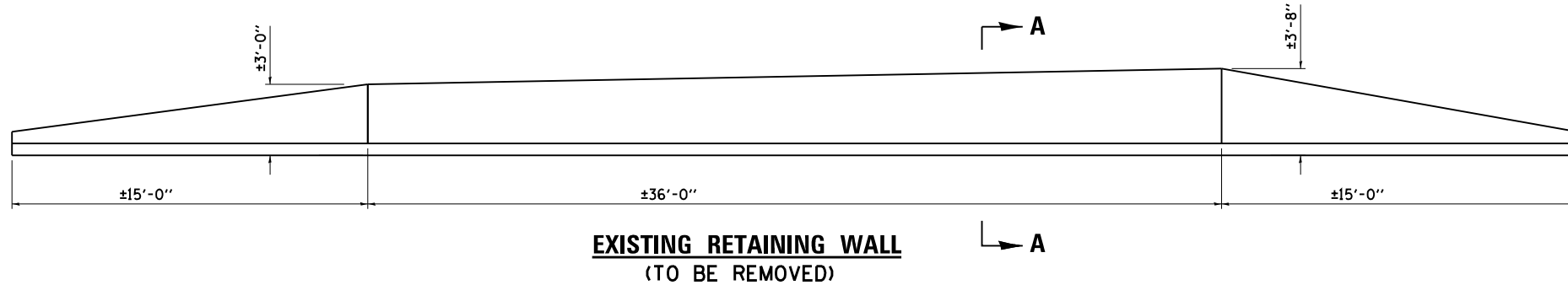
REMOVAL PLAN



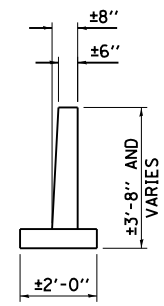
NOTES:

TRANSITION GROUND TO MEET EXISTING GRADE.

PROPOSED PLAN




**EXISTING RETAINING WALL
(TO BE REMOVED)**



SECTION A-A

LEGEND

 SODDING, SALT TOLERANT

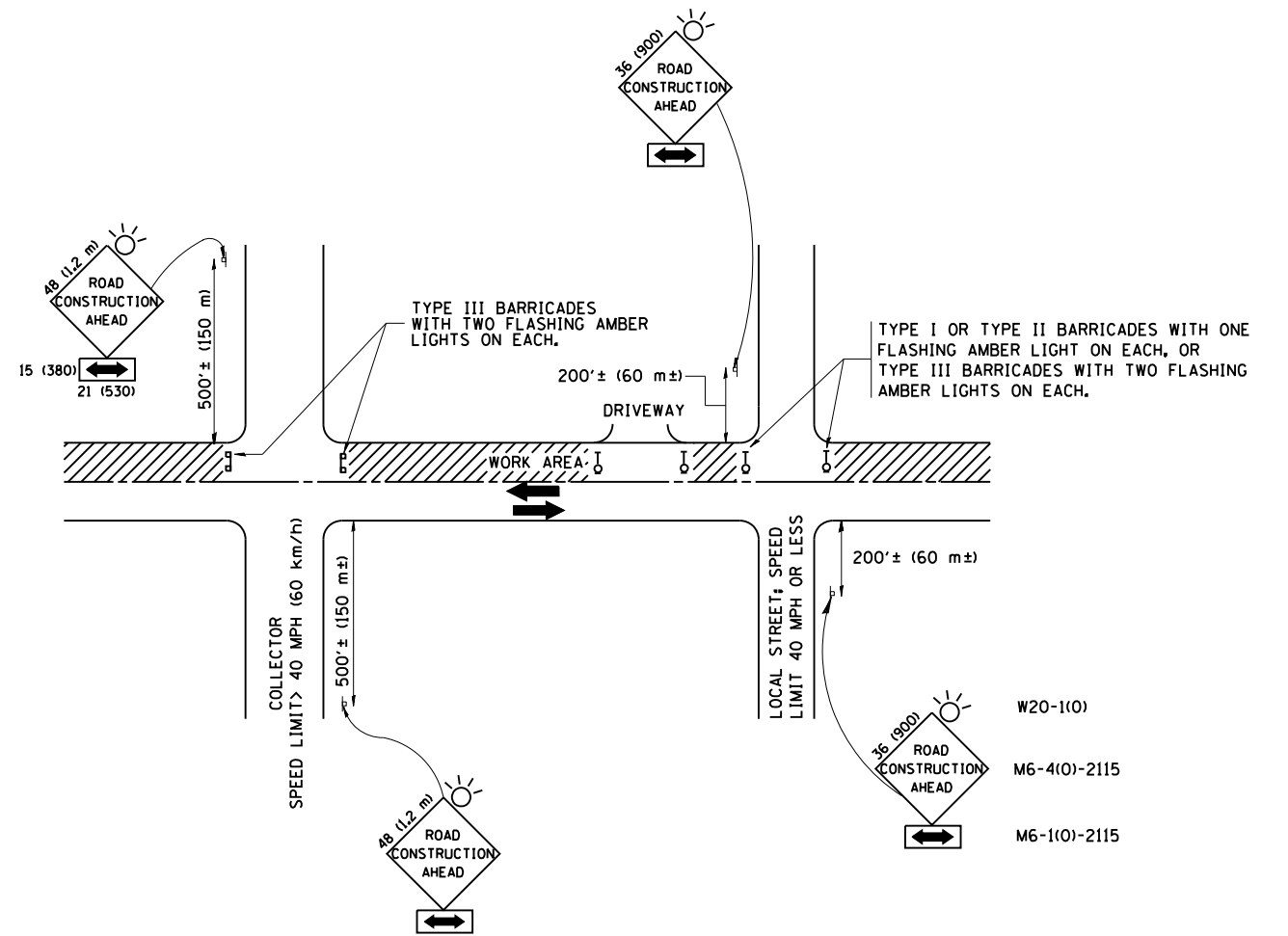
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	PLOT DATE = 7/10/2013	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

US 45 N. OF GRASS LAKE ROAD REMOVAL AND PROPOSED PLAN			
SCALE:	SHEET 1	OF 1 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	(39&41)-2	LAKE	9	6
CONTRACT NO. 62916				
ILLINOIS FED. AID PROJECT				



TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

NOTES:

- A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS
 1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE ROAD CONSTRUCTION AHEAD SIGN 36 x 36 (900x900) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
 2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE ROAD CONSTRUCTION AHEAD SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
 3. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
- B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:

USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.
- C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.
- D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

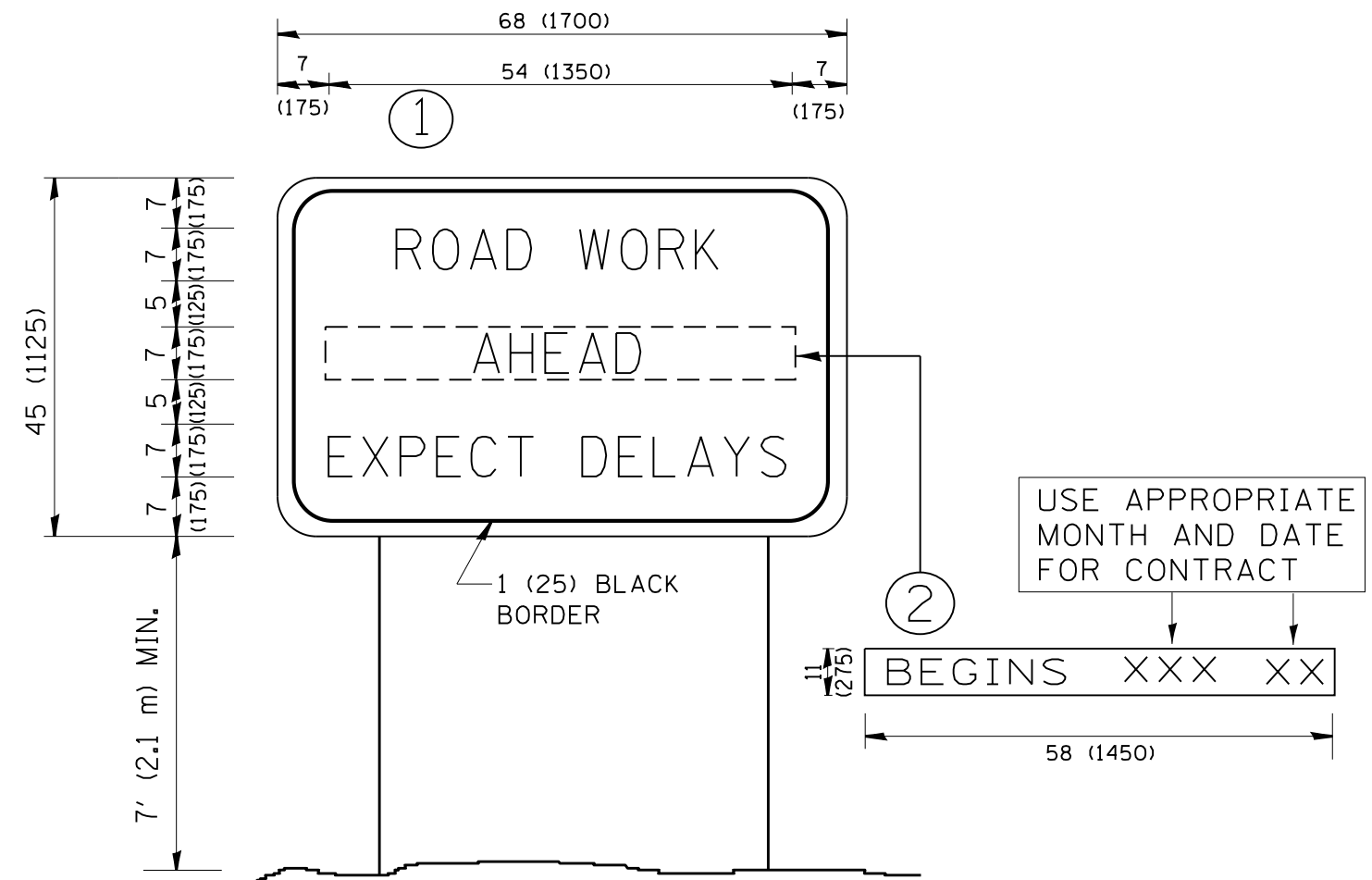
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	PLOT DATE = 7/10/2013	DATE - 06-89	REVISED - T. RAMMACHER 01-06-00

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION FOR
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	(39&41)-2	LAKE	9	7
TC-10		CONTRACT NO. 62916		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



NOTES:

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

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

FILE NAME =	USER NAME = dahhnr	DESIGNED -	REVISED - R. MIRS 09-15-97
et:\pw_work\p1dot\dahhnr\d0195979\DistStd.dgn		DRAWN -	REVISED - R. MIRS 12-11-97
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	PLOT DATE = 7/10/2013	DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD
INFORMATION SIGN**

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

F.A.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	(39&4)I-2	LAKE	9	8
TC-22		CONTRACT NO. 62916		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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

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

FILE NAME:
 USER NAME:
 DESIGNED:
 DRAWN:
 CHECKED:
 DATE:
 REVISIONS:
 REVISION:
 DATE:
 SCALE:
 SHEET OF SHEETS STA. TO STA.
 US 45 N. OF GRASS LAKE ROAD
 CROSS SECTIONS
 SHEET OF SHEETS STA. TO STA.
 F.A.P.
 SECTION
 COUNTY
 LAKE
 CONTRACT NO.
 ILLINOIS FED. AID PROJECT

