

04-27-2018 LETTING ITEM 182

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	17-00131-00-SW	LAKE	7	1
FED. ROAD DIST. NO. 1		ILLINOIS	FEDERAL AID PROJECT	

CONTRACT NO. 61E70

# PLANS FOR PROPOSED FEDERAL AID HIGHWAY

FAU1265 (CLAVEY ROAD) SIDEWALK IMPROVEMENTS  
FROM BARBERRY ROAD TO SKOKIE VALLEY BIKE PATH  
PEDESTRIAN RAILROAD CROSSING SIDEWALK IMPROVEMENTS

SECTION NO. 17-00131-00-SW  
PROJECT NO. G41(021)

CITY OF HIGHLAND PARK  
LAKE COUNTY  
JOB NO. C-91-121-18

FOR INDEX OF SHEETS, SEE SHEET NO. 2

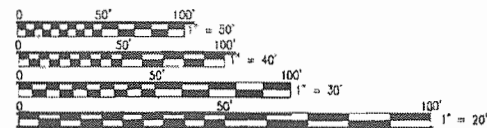
FOR LIST OF IDOT HIGHWAY STANDARDS, SEE SHEET NO. 2

**DESIGN DESIGNATION:**

CLAVEY ROAD  
ADT = 7,000 (2016)  
POSTED SPEED = 30 MPH

J.U.L.I.E.

FOR UNDERGROUND UTILITY LOCATION  
CALL J.U.L.I.E. TOLL FREE  
PHONE NO.: 811



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.



MORAINE TOWNSHIP

**LOCATION MAP**

GROSS/NET LENGTH 350 L.F. = (0.066 MILES)



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

Approved Feb 12 2018  
*K. L. K.*  
CITY OF HIGHLAND PARK DIRECTOR OF PUBLIC WORKS

Passed February 21 2018  
*John C. Christensen Holt*  
DISTRICT #11 ENGINEER OF LOCAL ROADS AND STREETS

Releasing for Bid  
Based on Limited  
Review February 21 2018  
*Anthony J. Dingley/CES*  
REGIONAL ENGINEER

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OF THE STATE OF ILLINOIS

PROGRAM AND OFFICE ENGINEER: CHARLES F. RIDDLE, P.E. (847) 705-4406, SCHAUMBURG, IL

CONTRACT NO. 61E70

*Jason R. Doland*  
JASON R. DOLAND, P.E., P.L.S.  
ILLINOIS REGISTERED PROFESSIONAL ENGINEER  
NO. 062055693 (LICENSE EXPIRES 11-30-17)

PLANS PREPARED BY: DOLAND ENGINEERING, LLC.  
PROFESSIONAL DESIGN FIRM NO. 184-00022

**DOLAND ENGINEERING, LLC**  
1716 ENGINEERING - LEAD DIRECTOR - LEAD PLANNER  
374 EAST DOLAN STREET, SUITE C  
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1707 ST. JOHN'S AVENUE  
HIGHLAND PARK, ILLINOIS 60035

# INDEX OF SHEETS

1	COVER SHEET
2	GENERAL NOTES
3	SUMMARY OF QUANTITIES
4	EXISTING CONDITIONS AND PROPOSED IMPROVEMENTS
5-6	CONSTRUCTION DETAILS
7	CROSS SECTIONS

# LEGEND

⊙	EXISTING MANHOLE
⊛	EXISTING LIGHT POLE
⊥	EXISTING TRAFFIC SIGN
⊕	EXISTING FIRE HYDRANT
⊖	EXISTING UTILITY POLE
⊗	EXISTING TREE

# IDOT HIGHWAY STANDARDS

000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
424001-10	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4-5m) TO 24" (600mm) FROM PAVEMENT EDGE
701011-04	OFF-ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-07	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS

# GENERAL NOTES

BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 811 FOR FIELD LOCATIONS OF BURIED UTILITY FACILITIES. (48 HOURS NOTIFICATION IS REQUIRED).

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

IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO COORDINATE WITH THE UNION PACIFIC RAILROAD WHENEVER CONSTRUCTION ACTIVITY IS WITHIN 25 FEET OF THE RAILROAD ROW. THE CONTRACTOR SHALL RETAIN FLAGMEN EMPLOYED AND DESIGNATED BY THE UNION PACIFIC RAILROAD TO MONITOR ON-COMING TRAIN TRAFFIC, AND ADVISE CONTRACTOR PERSONNEL WHEN ACTIVITY ON OR NEAR THE RAILROAD RIGHT-OF-WAY MAY PROCEED. THIS ITEM WILL BE PAID FOR ACCORDING TO ARTICLE 107.12 AND WILL BE REIMBURSED ACCORDING TO ARTICLE 109.05.

THE CONTRACTOR SHALL NOT WORK ON SATURDAYS, SUNDAYS, AND HOLIDAYS OBSERVED BY THE CITY, IN ADDITION TO AND IN ACCORDANCE WITH ARTICLE 107.09. THE CONTRACTOR SHALL NOT BEGIN WORK OR START UP ANY EQUIPMENT PRIOR TO HOURS PERMITTED BY LOCAL ORDINANCE. ALL WORK SHALL BE COMPLETED WITHIN THE HOURS PERMITTED BY LOCAL ORDINANCE.

OBSERVED HOLIDAYS:  
 NEW YEAR'S DAY  
 MARTIN LUTHER KING DAY  
 PASSOVER  
 MEMORIAL DAY  
 INDEPENDENCE DAY  
 LABOR DAY  
 ROSH HASHANAH  
 YOM KIPPUR  
 VETERAN'S DAY  
 THANKSGIVING DAY  
 CHRISTMAS DAY

ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", ADOPTED APRIL 1, 2016. THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREET AND HIGHWAYS, LATEST EDITION, THE DETAILS INCLUDED IN THE PLANS, AND THE SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS, THE AMERICANS WITH DISABILITIES ACT OF 1990 ACCESSIBILITY GUIDELINES, THE "DRAFT" REHABILITATION ACT OF 1973 (SECTION 504), AND THE PUBLIC RIGHTS-OF-WAY ACCESSIBILITY GUIDELINES.

MATERIALS AND EQUIPMENT SHALL NOT BE STORED WITHIN THE PROJECT LIMITS.

THE CONTRACTOR SHALL NOTIFY THE CITY OF HIGHLAND PARK AT LEAST 48 HOURS IN ADVANCE OF BEGINNING WORK, AND SHALL COORDINATE ALL CONSTRUCTION OPERATIONS WITH THE ENGINEER.

PUBLIC OR PRIVATE UTILITIES:  
 THE LOCATIONS OF PUBLIC OR PRIVATE UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE, AND THE DEPARTMENT DOES NOT GUARANTEE THEIR ACCURACY. THE CONTRACTOR SHALL BE REQUIRED TO ASCERTAIN THE EXACT LOCATIONS OF SUCH UTILITIES AND EXERCISE CARE DURING CONSTRUCTION OPERATIONS SO AS NOT TO DAMAGE THEM, IN ACCORDANCE WITH THE SPECIAL PROVISIONS AND ARTICLE 107.20 OF THE "STANDARD SPECIFICATIONS". THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE UTILITY OWNERS SO THAT THEIR FACILITIES MAY BE ADJUSTED OR RELOCATED, IF NECESSARY, PRIOR TO THE START OF CONSTRUCTION OPERATIONS UNLESS OTHERWISE NOTED IN THE PLANS. ALL RELOCATION WORK ON EXISTING PRIVATE UTILITIES WILL BE DONE BY THE OWNER OF THAT UTILITY.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE OR DESTRUCTION OF PUBLIC OR PRIVATE PROPERTY, AND SHALL RESTORE SUCH PROPERTY.

SURVEY AND MONUMENTS:  
 ALL ELEVATIONS IN THE PLANS ARE BASED UPON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)

DISPOSAL OF MATERIALS:  
 THERE WILL BE NO SPECIAL WASTE REMOVAL NECESSARY TO CONSTRUCT THIS PROJECT.

EXISTING DRAINAGE STRUCTURES:  
 DURING CONSTRUCTION OPERATIONS, WHENEVER ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES, SUCH THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED, IT SHALL BE REMOVED BY THE CONTRACTOR AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL DRAINAGE STRUCTURES SHALL BE FREE FROM DIRT AND DEBRIS.

WHEN EXISTING DRAINAGE FACILITIES ARE DISTURBED, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY OUTLETS AND CONNECTIONS FOR ALL PRIVATE OR PUBLIC DRAINS, SEWERS OR CATCH BASINS. CONTRACTOR SHALL PROVIDE FACILITIES TO TAKE IN ALL STORM WATER WHICH WILL BE RECEIVED BY THESE DRAINS AND SEWERS, AND DISCHARGE SAME. CONTRACTOR SHALL PROVIDE AND MAINTAIN AN EFFICIENT PUMPING PLANT, IF NECESSARY, AND A TEMPORARY OUTLET, AND BE PREPARED AT ALL TIMES TO DISPOSE OF THE WATER RECEIVED FROM THESE TEMPORARY CONNECTIONS UNTIL SUCH TIME AS THE PERMANENT CONNECTIONS WITH SEWERS ARE BUILT AND IN SERVICE. BEFORE ORDERING PIPE CULVERTS, THE CONTRACTOR SHALL CONTACT THE ENGINEER FOR THE EXACT LENGTH AND QUANTITY REQUIRED.

UNSUITABLE MATERIAL:  
 BEFORE REMOVAL OF ANY UNSUITABLE MATERIAL, THE CONTRACTOR SHALL TREAT THE SUBGRADE AS PER ARTICLE 301.03 OF THE "STANDARD SPECIFICATIONS" TO THE SATISFACTION OF THE ENGINEER. UNSUITABLE MATERIAL SHALL NOT BE USED AS EMBANKMENT OR FILL UNDER THE PROPOSED IMPROVEMENTS AS SHOWN ON THE PLANS.

STOCKPILES:  
 STOCKPILES OF TOPSOIL AND OTHER MATERIALS SHALL NOT BE LOCATED WITHIN A SPECIAL MANAGEMENT AREA. APPROVAL OF THE LOCATION MUST BE OBTAINED FROM THE ENGINEER PRIOR TO PLACEMENT. IF A STOCKPILE IS TO REMAIN IN PLACE FOR MORE THAN THREE DAYS, EROSION CONTROL MEASURES SHALL BE PROVIDED. STOCKPILES TO REMAIN IN PLACE FOR 30 DAYS OR MORE SHALL RECEIVE TEMPORARY SEEDING.

TREE TRIMMING:  
 ALL BRANCHES THAT ARE LESS THAN 12 FEET ABOVE THE SURFACE OF THE SIDEWALK SHALL BE REMOVED BY THE CONTRACTOR. THE CONTRACTOR SHALL PERFORM THE WORK IN ACCORDANCE WITH ANSI STANDARD A300-2001 (PART 1) FOR TREE, SHRUB AND OTHER WOODY PLANT MAINTENANCE AND ANSI Z133.1-1994 FOR TREE CARE OPERATIONS PRUNING, TRIMMING, REPAIRING, MAINTAINING AND REMOVING TREES AND CUTTING BRUSH.

ACCESS TO PROPERTY:  
 THE CONTRACTOR SHALL MAINTAIN ACCESS TO ABUTTING PROPERTY DURING CONSTRUCTION OF THIS PROJECT, EXCEPT FOR PERIODS OF SHORT DURATION AS APPROVED BY THE ENGINEER.

SAW CUTTING:  
 THE LIMITS OF REMOVAL OF ALL CONCRETE OR BITUMINOUS PAVEMENTS, CURBING OR SIDEWALKS SHALL BE SAWCUT IN ACCORDANCE WITH SECTION 440 OF THE "STANDARD SPECIFICATIONS" AND AT THE DIRECTION OF THE ENGINEER.

RESTORATION:  
 GRASS AREAS DISTURBED DURING CONSTRUCTION SHALL BE RESTORED WITH FOUR INCHES OF TOPSOIL AND SOD.

SEDIMENTATION AND EROSION CONTROL NOTES:  
 A) SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. SOIL STABILIZATION MEASURES SHALL CONSIDER THE TIME OF YEAR, SITE CONDITIONS AND THE USE OF TEMPORARY OR PERMANENT MEASURES.  
 B) SOIL EROSION AND SEDIMENT CONTROL FEATURES SHALL BE CONSTRUCTED PRIOR TO THE COMMENCEMENT OF UPLAND DISTURBANCE.  
 C) TEMPORARY SOIL STABILIZATION SHALL BE APPLIED TO DISTURBED AREAS WITHIN 14 CALENDAR DAYS OF THE END OF ACTIVE HYDROLOGIC DISTURBANCE. PERMANENT STABILIZATION SHALL BE DONE WITHIN 14 DAYS AFTER COMPLETION OF FINAL GRADING.  
 D) ALL STORM SEWER FACILITIES THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED, FILTERED, OR OTHERWISE TREATED TO REMOVE SEDIMENT.  
 E) ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS OF FINAL SITE STABILIZATION OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED. TRAPPED SEDIMENT AND OTHER DISTURBED SOIL AREAS SHALL BE PERMANENTLY STABILIZED.  
 F) ALL TEMPORARY AND PERMANENT EROSION CONTROL MEASURES SHALL BE MAINTAINED AND REPAIRED AS NEEDED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSPECTION AND REPAIR DURING CONSTRUCTION.  
 G) THE EROSION CONTROL MEASURES INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER.  
 H) THE CONTRACTOR SHALL INSTALL ALL EROSION CONTROL PRIOR TO THE START OF ANY EARTHWORK.  
 I) IF A STOCKPILE IS TO REMAIN IN PLACE FOR MORE THAN THREE DAYS, EROSION CONTROL MEASURES SHALL BE PROVIDED BY THE CONTRACTOR.  
 J) EROSION CONTROL MEASURES SHALL COMPLY WITH THE MINIMUM REQUIREMENTS OF THE LAKE COUNTY STORMWATER AND FLOODPLAIN ORDINANCE SPECIFICATIONS AT ALL TIMES.

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 ENGINEERING, LLC  
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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

SCALE: N/A

SHEET NO. 2 OF 7 SHEETS

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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	17-00131-00-SW	LAKE	7	2
FED. ROAD DIST. NO. -		ILLINOIS FEDERAL AID PROJECT		
CONTRACT NO. 61E70				

# SUMMARY OF QUANTITIES

				SAFETY SIDEWALK FACILITIES 0021	
SPECIALITY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	
	20101100	TREE TRUNK PROTECTION	EACH	4	
*	20101200	TREE ROOT PRUNING	EACH	3	
	20200100	EARTH EXCAVATION	CU YD	100	
	21101815	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	300	
	25200100	SODDING	SQ YD	300	
	25200200	SUPPLEMENTAL WATERING	UNIT	4	
	28000400	PERIMETER EROSION BARRIER	FOOT	270	
	31101160	SUBBASE GRANULAR MATERIAL, TYPE B 2"	SQ YD	176	
	31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	64	
	42101300	PROTECTIVE COAT	SQ YD	230	
	42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	45	
	42400200	PORTLAND CEMENT CONCRETE SIDEWALK, 5"	SQ FT	1580	
	42400300	PORTLAND CEMENT CONCRETE SIDEWALK, 6"	SQ FT	100	
	44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	54	
	44000600	SIDEWALK REMOVAL	SQ FT	130	

				SAFETY SIDEWALK FACILITIES 0021	
SPECIALITY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	
	67100100	MOBILIZATION	L SUM	1	
	70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	
	70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	
	70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	
*	78000650	THEMOPLASTIC PAVEMENT MARKING-LINE 24	FOOT	14	
	X0100002	GRADING AND SHAPING SPECIAL	SQ YD	183	
	X0323669	STEEL POST REMOVAL	EACH	1	
	X0326275	RAILROAD RIGHT-OF-WAY ENTRY PERMIT	EACH	1	
	X2800600	INLET PROTECTION, SPECIAL	EACH	1	
	X4240800	DETECTABLE WARNING, SPECIAL	SQ FT	20	
	Z0048665	RAILROAD PROTECTION LIABILITY INSURANCE	L SUM	1	
	Z0013796	CONSTRUCTION LAYOUT	L SUM	1	
*	Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	1	
	Z0064800	SELECTIVE CLEARING	UNIT	1	

**DOLAND**  
ENGINEERING, LLC  
2015 P.O. BOX 2088 - SUITE 200  
201 EAST CHICAGO STREET, SUITE 200  
MILWAUKEE, WIS. 53212  
(414) 382-8200 FAX (414) 382-3121  
www.dolandeng.com

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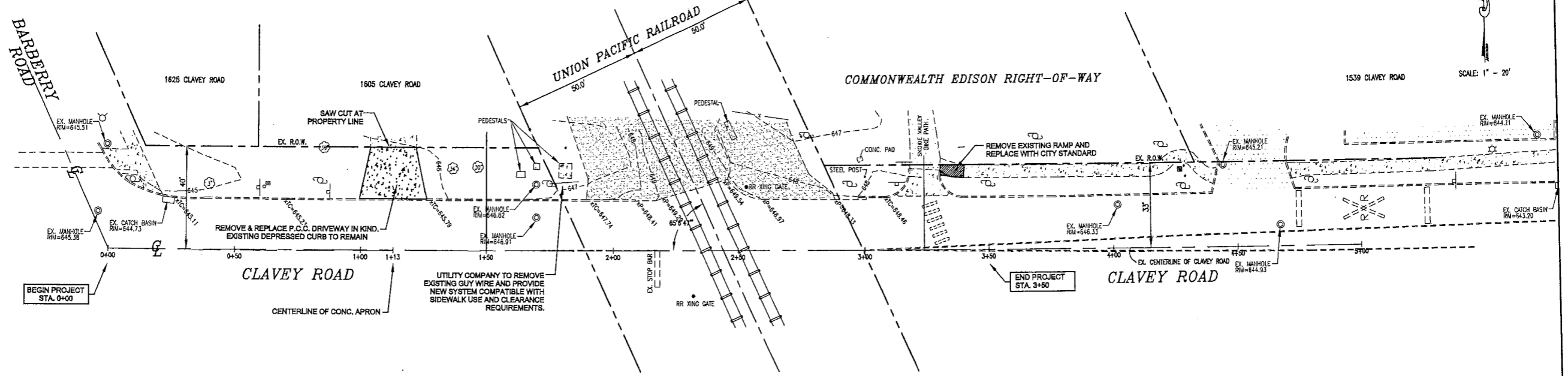
STATE OF ILLINOIS  
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SUMMARY OF QUANTITIES

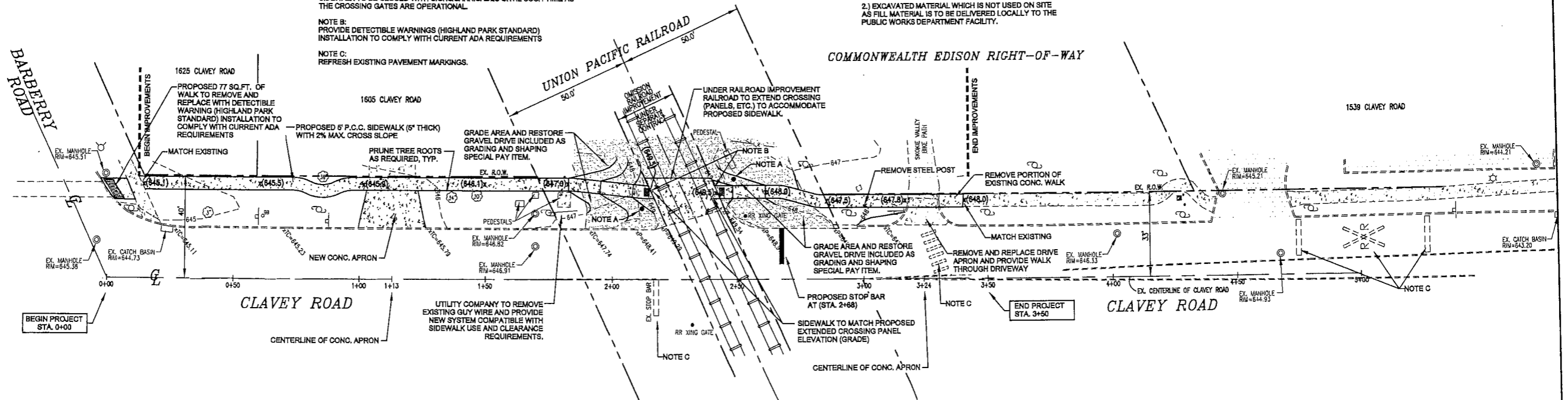
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F.A.W. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1285	17-06131-00-SW	LAKE	7	3
FED. ROAD DIST. NO. -		ILLINOIS FEDERAL AID PROJECT		CONTRACT NO. 61E70

**EXISTING CONDITIONS**



**PROPOSED IMPROVEMENTS**



**NOTE A:**  
PROPOSED PEDESTRIAN CROSSING GATE LOCATION DETERMINED AND DESIGNED BY THE UNION PACIFIC RAILROAD COMPANY, DRAWINGS BY THE UNION PACIFIC RAILROAD COMPANY, AS PART OF THE RAILROAD IMPROVEMENT OMISSION AREA.

SIDEWALK TO BE CLOSED WITH SIGNS/BARRICADES UNTIL SUCH TIME AS THE CROSSING GATES ARE OPERATIONAL.

**NOTE B:**  
PROVIDE DETECTIBLE WARNINGS (HIGHLAND PARK STANDARD) INSTALLATION TO COMPLY WITH CURRENT ADA REQUIREMENTS

**NOTE C:**  
REFRESH EXISTING PAVEMENT MARKINGS.

**NOTE:**  
1.) REMOVE EXISTING SHRUBS, PLANT MATERIAL, VEGETATION AS REQUIRED, (TYPICAL) IN ORDER TO ACCOMMODATE PROPOSED SIDEWALK ALIGNMENT.  
2.) EXCAVATED MATERIAL WHICH IS NOT USED ON SITE AS FILL MATERIAL IS TO BE DELIVERED LOCALLY TO THE PUBLIC WORKS DEPARTMENT FACILITY.

**DOLAND ENGINEERING, L.L.C.**  
3011 DEARBORN - 4TH FLOOR - 100 PLAZA -  
351 EAST COLFAX STREET, SUITE C  
PALM SPRING, ILLINOIS 60067  
(815) 381-5000 (815) 381-3107 FAX  
www.dolandengineering.com

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

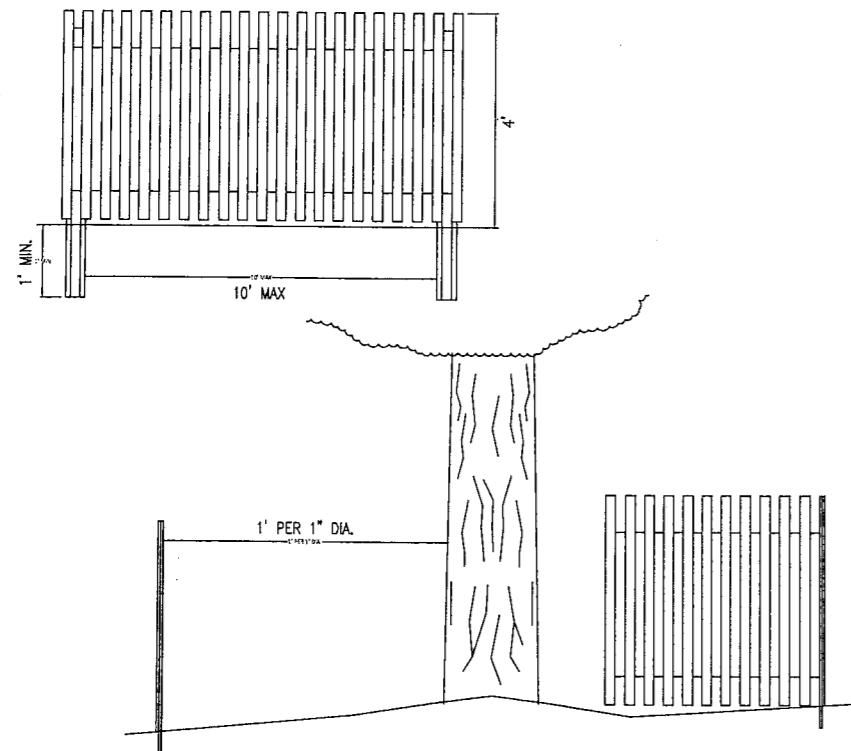
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SCALE: 1"=20' SHEET NO. 4 OF 7 SHEETS STA. STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1285	17-00131-00-SW	LAKE	7	4
FED. ROAD DIST. NO. -	ILLINOIS	FEDERAL AID PROJECT	CONTRACT NO. 61E70	

Install & Maintain 4' tall Wooden slat fence secured to metal posts spaced a maximum of 10' apart. The tree fence shall be 1 foot from the tree trunk for each inch of diameter measured 4.5' from ground level. The fence must be secured to the metal post with a minimum of 4 ties.

Installation shall be approved by the CITY FORESTER before the start of the project.

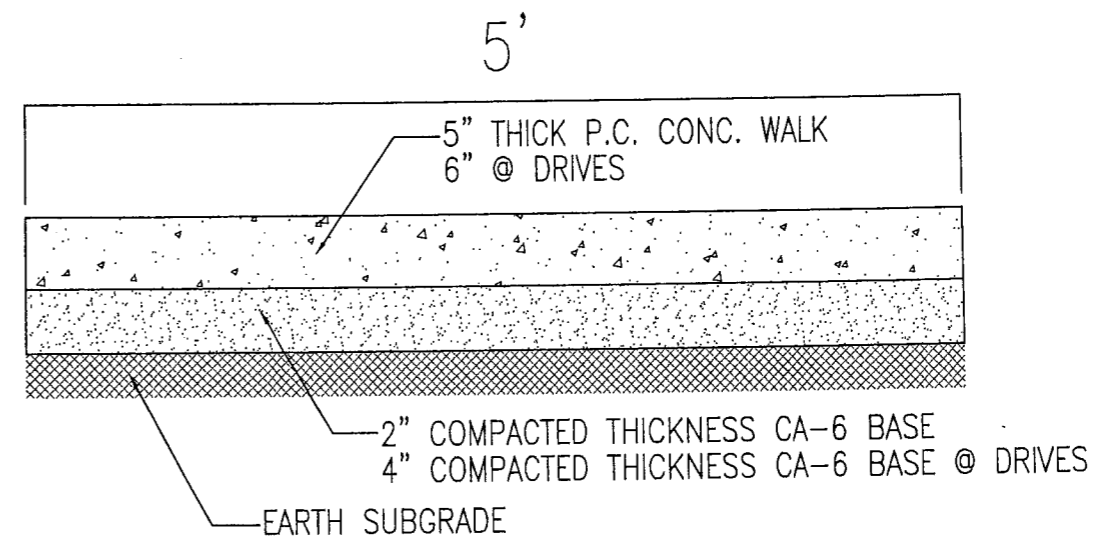
Failure to install and maintain protective tree fencing in accordance with City Standards will result in a ticket or a "STOP WORK ORDER" on the project.



### TREE PROTECTION DETAIL

NO. FOR-1041  
DATE: 1-30-09  
Drawn By: M.L.  
Approved By:  
Scale: None

### P.C. CONCRETE WALK SECTION



TYPICAL SIDEWALK CROSS SLOPE 1.5%

NOT TO SCALE

**DOLAND**  
ENGINEERING, LLC  
2010 ENGINEERING - 1000 WESTERN - 1000 PLAZA  
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS

SCALE: N/A

SHEET NO. 5 OF 7 SHEETS

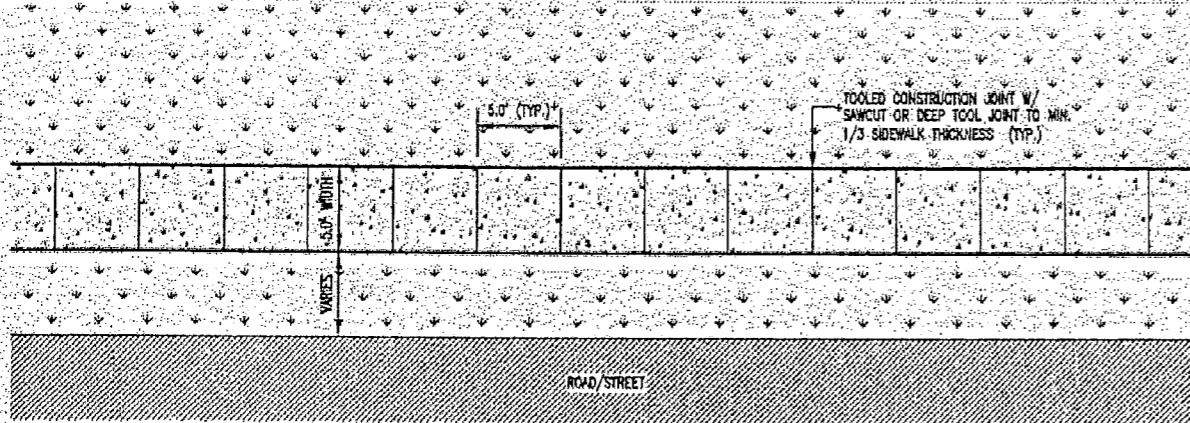
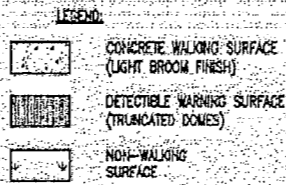
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1285	17-00131-00-SW	LAKE	7	5
FED. ROAD DIST. NO. --		ILLINOIS	FEDERAL AID PROJECT	
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**GENERAL SIDEWALK NOTES:**

1. THE MAXIMUM LONGITUDINAL SLOPE ON A PUBLIC SIDEWALK SHALL BE 5.0%. WHERE 5.0% OR LESS LONGITUDINAL SLOPES CANNOT BE ACHIEVED, RAMP MUST BE DESIGNED TO CONFORM TO THE STATE OF ILLINOIS ACCESSIBILITY CODE, THE ILLINOIS ENVIRONMENTAL BARRIERS ACT, AND ADA.
2. SIDEWALKS SHALL HAVE A CROSS-SLOPE OF NO LESS THAN 0.5% AND NO GREATER THAN 2.0% SLOPED IN THE GENERAL DIRECTION OF THE SURROUNDING AREA SLOPE.
3. SIDEWALKS SHALL BE CONSTRUCTED IN A MANNER TO FACILITATE PROPER DRAINAGE. IN NO CASE SHALL SIDEWALKS OBSTRUCT THE NECESSARY DRAINAGE OF THE SURROUNDING AREA.
4. SIDEWALKS SHALL HAVE 3/4" TRANSVERSE EXPANSION JOINTS ON INTERVALS NOT EXCEEDING 100 LINEAR FEET, OR AS SHOWN ON THE PLAN.
5. SEE PLAN AND PROFILE AND OTHER SPECIFIC DETAIL SHEETS FOR RIGHT-OF-WAY LOCATIONS AND SPECIFIC SITE CONDITIONS INCLUDING STREET LOCATION/CONDITIONS, UTILITY LOCATIONS (IF APPLICABLE), DIMENSIONS, ELEVATIONS (GRADE PROFILE), ETC.

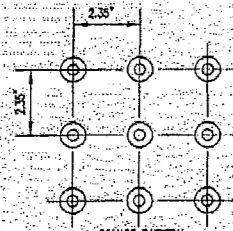


**TYPICAL SIDEWALK PLAN**

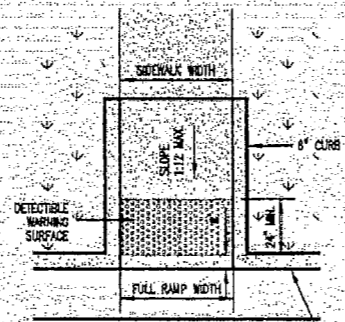
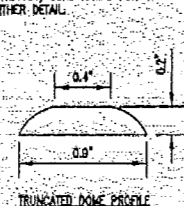
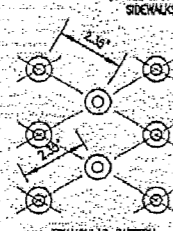
(NOT TO SCALE - DOES NOT REPRESENT ACCURATE SPECIFIC SITE DIMENSIONS/LOCATIONS)

**GENERAL ACCESSIBLE RAMP NOTES:**

1. ACCESSIBLE RAMP SHALL MEET ALL REQUIREMENTS OF THE ILLINOIS ACCESSIBILITY CODE, ILLINOIS ENVIRONMENTAL BARRIERS ACT, ADA, ILLINOIS DEPARTMENT OF TRANSPORTATION (IDOT), AND THE ILLINOIS ATTORNEY GENERAL OFFICE. INFORMATION MAY BE OBTAINED @ [www.illinois.gov/transportation](http://www.illinois.gov/transportation).
2. TRUNCATED DOMES SHALL MEET THE COLOR CONTRAST REQUIREMENTS OF ALL OF THE FOREMENTIONED AGENCY REQUIREMENTS.
3. ADA REFERS TO THE AMERICANS WITH DISABILITIES ACT STANDARDS FOR ACCESSIBLE DESIGN, 281 CFR PART 36, AS PUBLISHED BY THE U.S. DEPARTMENT OF JUSTICE.
4. 6" CURB MAY BE DELETED WHERE NO CURB IS PROVIDED ON THE STREETS.
5. SEE IDOT STANDARD (24001), CURB RAMP FOR SIDEWALKS, FOR FURTHER DETAIL.

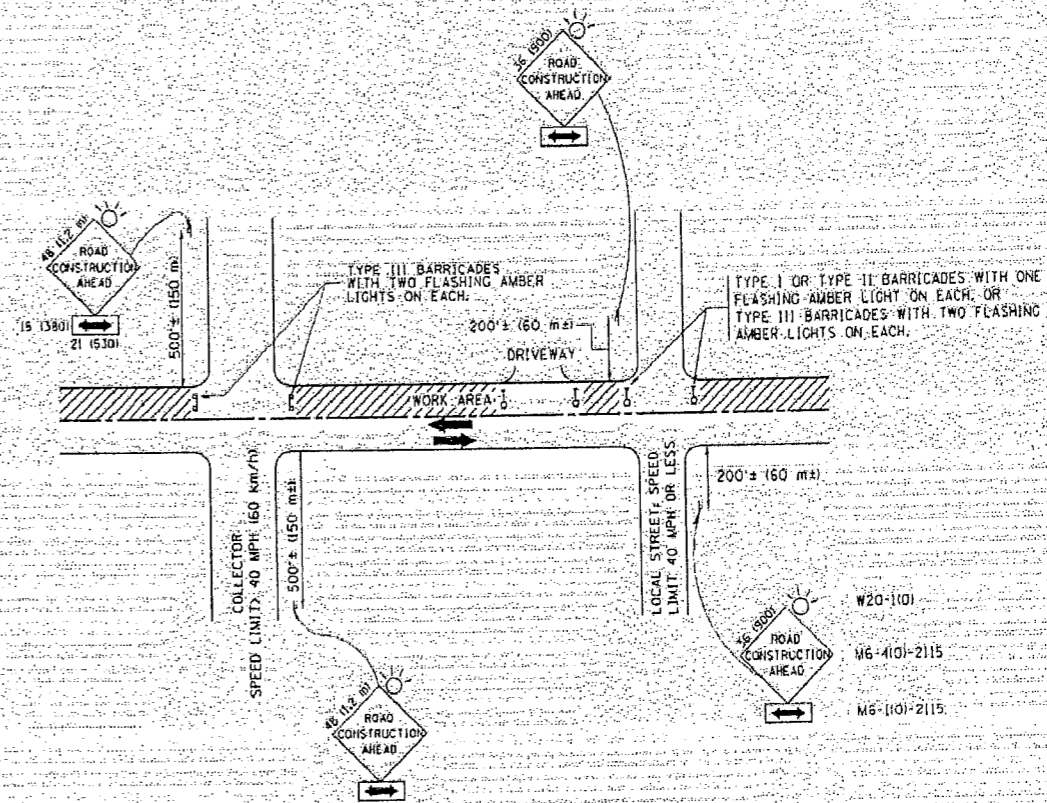


**DETECTABLE WARNING SURFACE (TRUNCATED DOMES)**



**TYPICAL TYPE A RAMP**

TYP. STREET CURB & GUTTER, EXIST. CURB & GUTTER MUST BE SAWCUT AND REMOVED FOR INSTALLATION OF RAMP. NEW RAMP CURB SHALL BE TIED INTO EXIST. CURB & GUTTER.



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

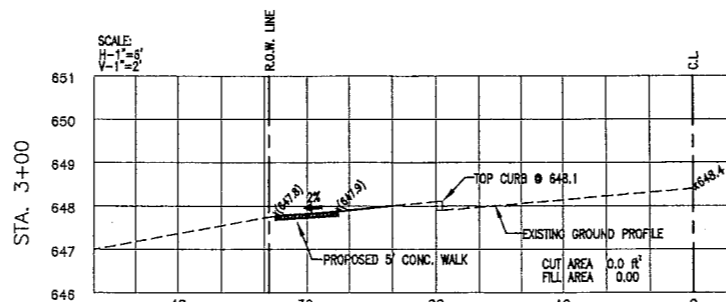
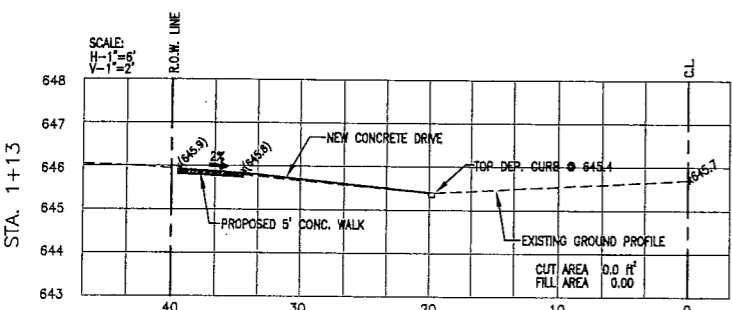
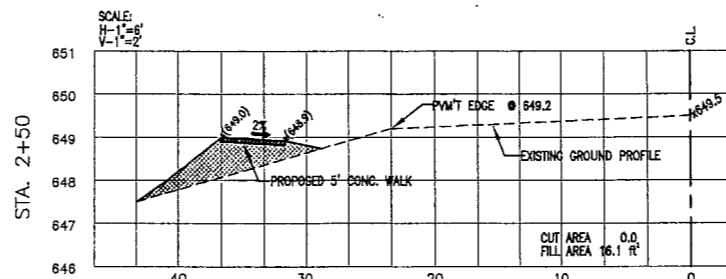
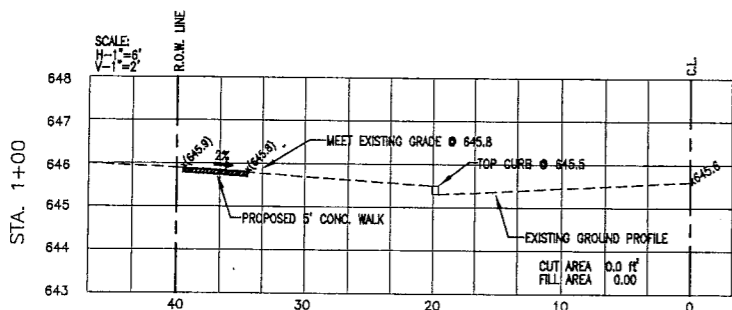
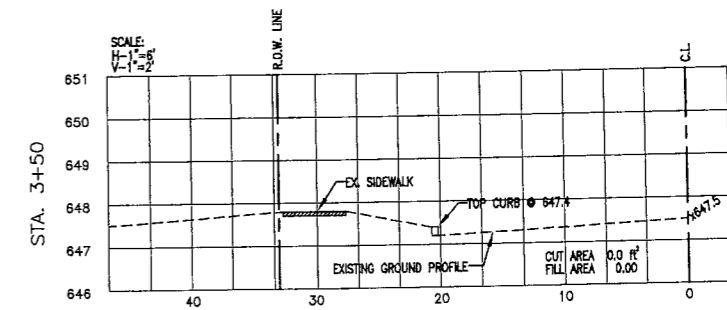
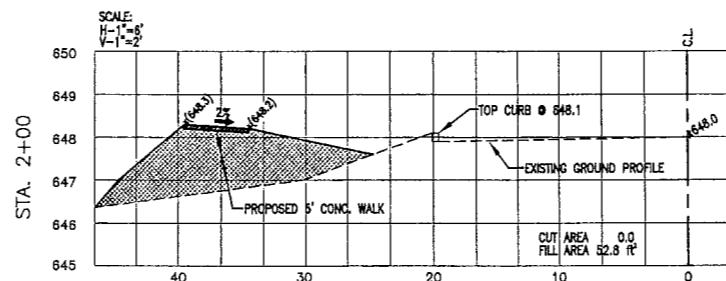
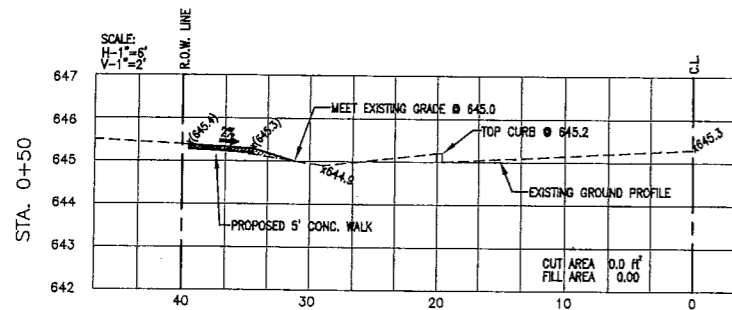
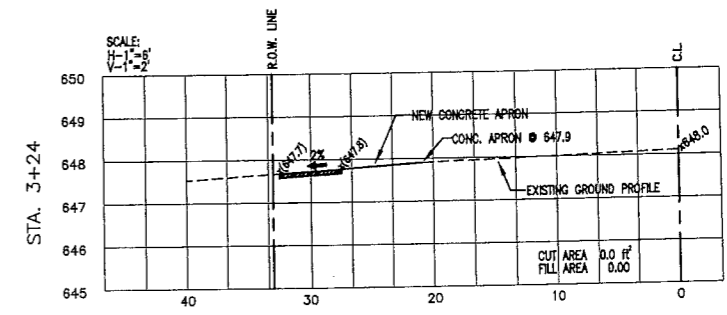
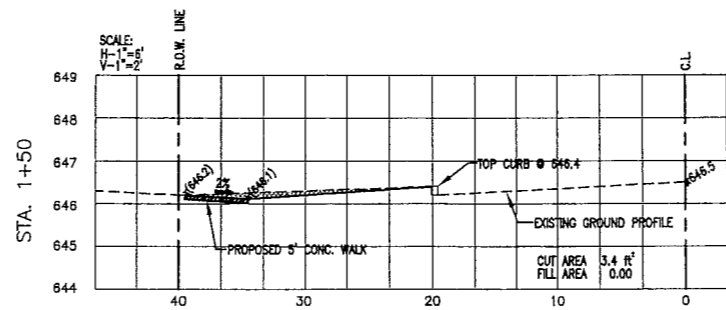
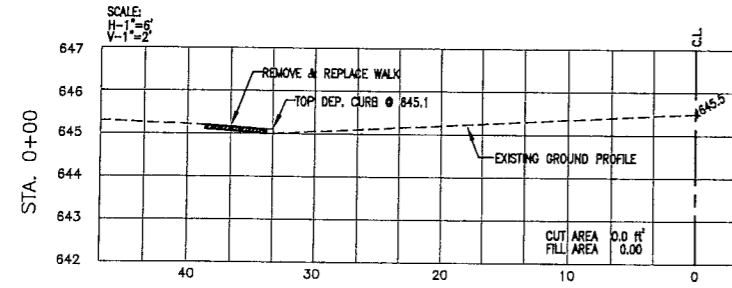
**NOTES:**

- 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, 1/2 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 (W6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (W6-4).
- FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAYS**
    1. USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 70150), 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.
    2. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.
    3. 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.

USER NAME:	DESIGNED:	REVISION:
PLOT SCALE: 1" = 20'	DRAWN:	REVISION:
PLOT DATE:	CHECKED:	REVISION:
	DATE:	REVISION:

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	17-00131-00-SW	LAKE	7	8
FED. ROAD DIST. NO. -		ILLINOIS FEDERAL AID PROJECT		CONTRACT NO. 61E70



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www.dolandengineering.com

USER NAME:	DESIGNED:	REVISED:
PLOT SCALE: 1" = 20'	DRAWN:	REVISED:
PLOT DATE:	CHECKED:	REVISED:
	DATE:	REVISED:

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

SCALE: 1"=20'

SHEET NO. 7 OF 7 SHEETS

STA. STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1285	17-00131-00-SW	LAKE	7	7
FED. ROAD DIST. NO. -		ILLINOIS	FEDERAL AID PROJECT	
CONTRACT NO. 61E70				