

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

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

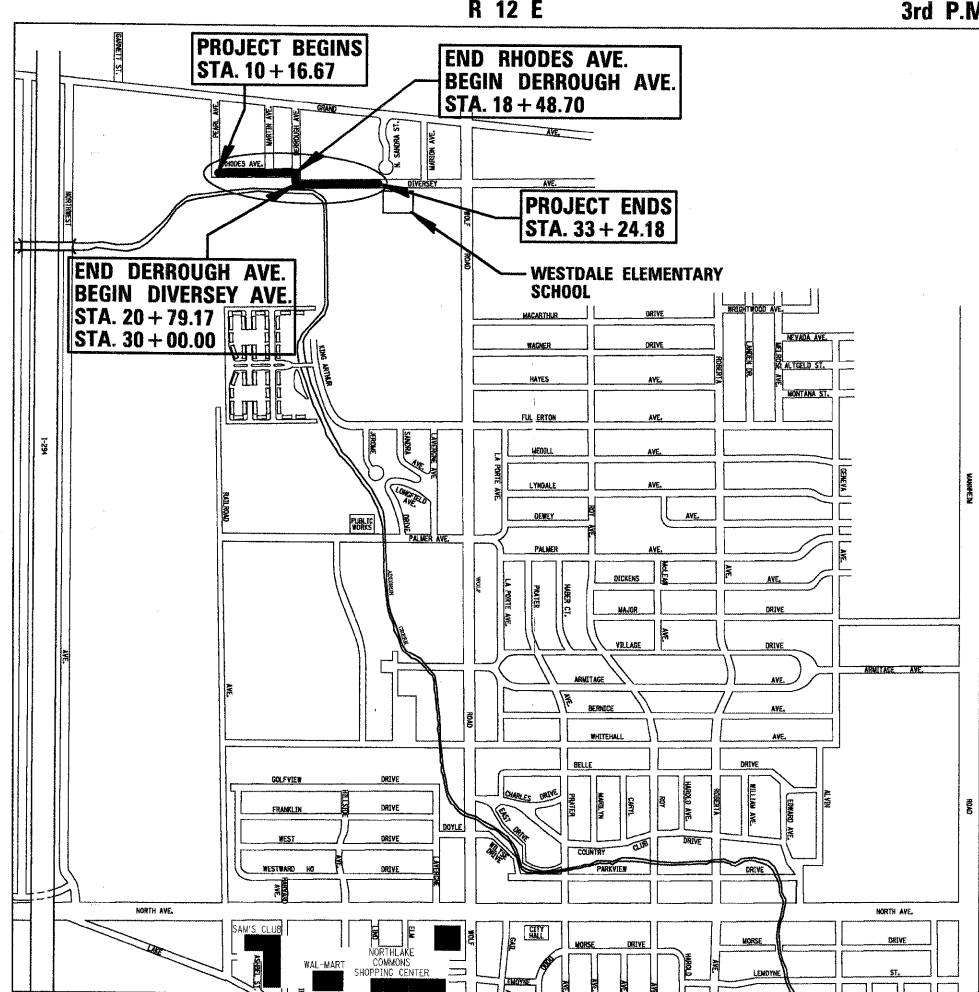
**PLANS FOR PROPOSED  
FEDERAL AID HIGHWAY**

**DIVERSEY AVENUE, DERROUGH AVENUE  
AND RHODES AVENUE  
PEARL AVENUE TO WESTDALE ELEMENTARY SCHOOL  
SIDEWALKS, CURB AND GUTTER**  
Section No.: 10-00074-00-SW  
Project No.: SRTS-4009(086)  
CITY OF NORTHLAKE  
COOK COUNTY  
JOB NO.: C-40-004-11

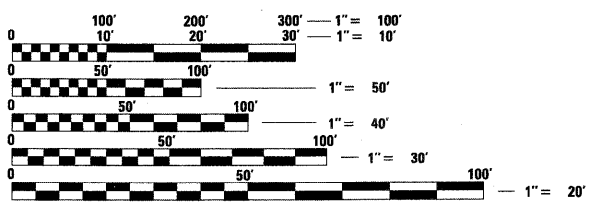
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
----	10-00074-00-SW	COOK	22	1
		ILLINOIS	CONTRACT NO. 63559	

**INDEX OF SHEETS**

SHEET NO.	DESCRIPTION
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13	CONSTRUCTION DETAILS
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15	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
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17-21	CROSS SECTIONS - RHODES AVENUE AND DERROUGH AVENUE
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R 12 E 3rd P.M.  
N  
N.T.S.



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

**CONTRACT NO. 63559**

**LOCATION MAP - LEYDEN TOWNSHIP**  
GROSS LENGTH OF PROJECT = 1441 LINEAL FEET (0.27 MI.)  
NET LENGTH OF PROJECT = 1441 LINEAL FEET (0.27 MI.)

TRAFFIC DATA - DIVERSEY AVENUE  
DERROUGH AVENUE  
RHODES AVENUE  
ADT (YEAR) = 400 (2009)  
POSTED SPEED LIMIT = 25 MPH

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

APPROVED February 1, 2011  
*[Signature]*  
MAYOR  
CITY OF NORTHLAKE

PASSED FEBRUARY 15, 2011  
*[Signature]*  
DISTRICT 1 ENGINEER OF LOCAL ROADS AND STREETS

RELEASING FOR  
BID BASED ON  
LIMITED REVIEW FEBRUARY 15, 2011  
*[Signature]*  
DEPUTY DIRECTOR OF HIGHWAYS  
REGION ONE ENGINEER

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS



CIVIL  
February 1, 2011  
*[Signature]*  
**ANDREW M. PUFUNDT**  
ILLINOIS REGISTRATION No. 062-061729 ENGINEER  
EXPIRATION DATE: 11/30/11  
PROFESSIONAL DESIGN FIRM No. 184-001175  
EXPIRATION DATE: 04/30/11

**GENERAL NOTES**

**SPECIFICATIONS, STANDARDS AND SPECIAL PROVISIONS**

ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", ADOPTED JANUARY 1, 2007; THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", ADOPTED JANUARY 1, 2011; THE LATEST EDITION OF THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" (IMUTCD), "THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS" JULY 2009 SIXTH EDITION, THE "DETAILS" IN THE PLANS, LATEST EDITION OF THE MANUAL OF TEST PROCEDURE OF MATERIALS, THE AMERICAN WITH DISABILITIES ACT OF 1990 ACCESSIBILITY GUIDELINES, THE "DRAFT" REHABILITATION ACT OF 1973 (SECTION 504), THE PUBLIC RIGHTS-OF-WAY ACCESSIBILITY GUIDELINES, AND THE "SPECIAL PROVISIONS" INCLUDED IN THE CONTRACT DOCUMENTS.

**UTILITIES**

THE CONTRACTOR SHALL COOPERATE WITH THE ENGINEER IN ANY UNDERGROUND UTILITY CONSTRUCTION WHICH MAY OCCUR DURING THE CONTRACTOR'S OPERATIONS AS SHOWN ON THE PLANS.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE UTILITY OWNERS OF ALL EXISTING FACILITIES SO THAT THE UTILITIES AND THEIR APPURTENANCES MAY BE LOCATED AND ADJUSTED OR MOVED, IF NECESSARY, PRIOR TO THE START OF CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL COOPERATE WITH ALL UTILITY OWNERS AS PROVIDED FOR IN THE STANDARD SPECIFICATIONS.

THE LOCATIONS OF EXISTING DRAINAGE STRUCTURES, STORM AND SANITARY SEWERS, WATER SERVICE LINES AND OTHER UTILITY LINES ARE APPROXIMATE, AND THE DEPARTMENT DOES NOT GUARANTEE THEIR ACCURACY. THEIR EXACT HORIZONTAL AND VERTICAL LOCATIONS ARE TO BE DETERMINED IN THE FIELD BY THE CONTRACTOR AT HIS OWN EXPENSE.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER IN ACCORDANCE WITH ARTICLE 107.20 AND 107.31.

COORDINATION OF ALL UTILITY WORK INVOLVED IN THE CONSTRUCTION AREA WILL BE DISCUSSED AT THE PRECONSTRUCTION CONFERENCE.

BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 811 OR 800-892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, GAS AND CABLE TELEVISION FACILITIES. (48 HOURS NOTIFICATION IS REQUIRED.)

**STAKING**

THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL SECTION OR SUBSECTION MONUMENTS OR PROPERTY OR REFERENCE MARKERS UNTIL THE ENGINEER, HIS AGENT OR AN AUTHORIZED SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATIONS.

ALL RADII FOR PROPOSED CURB AND GUTTER ARE TO THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED, AND SHALL BE AS INDICATED ON THE PLANS, ELEVATIONS SHOWN AT POINT OF CURVE, ETC. IS EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.

**WATER, STORM SEWER AND SANITARY SEWER**

WHENEVER DURING CONSTRUCTION OPERATIONS 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 AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL UTILITY STRUCTURES SHALL BE FREE FROM DIRT AND DEBRIS. THE WORK SPECIFIED ABOVE WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST FOR MOBILIZATION.

ANY EXISTING OR PROPOSED STORM SEWER DAMAGED BY THE CONTRACTOR DURING CONSTRUCTION SHALL BE REPLACED BY THE CONTRACTOR AT THEIR OWN EXPENSE.

THE CONTRACTOR SHALL NOT OPEN OR SHUT ANY WATER VALVES OR FIRE HYDRANTS WITHOUT PRIOR AUTHORIZATION FROM THE CITY OF NORTHLAKE WATER DEPARTMENT. UNAUTHORIZED USE SHALL SUBJECT THE OFFENDER TO ARREST AND PROSECUTION.

**MISCELLANEOUS**

ACCESS: THE CONTRACTOR SHALL PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT, EXCEPT FOR PERIODS OF SHORT DURATION. THE COST TO PROVIDE ACCESS SHALL BE PAID FOR AND INCLUDED IN THE ITEM FOR AGGREGATE FOR TEMPORARY ACCESS.

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.

ALL SAWCUTTING SHALL BE INCLUDED IN REMOVAL ITEMS AND SHALL BE PERFORMED PRIOR TO BEGINNING REMOVAL. ANY ITEMS OF WORK REMOVED PRIOR TO SAWCUTTING WILL NOT BE MEASURED FOR PAYMENT.

EXISTING PAVEMENT SECTION IS ASSUMED TO BE 13". REMOVAL OF ANY ADDITIONAL MATERIAL (INCLUDING STONE, CLAY ETC.) TO GET DOWN TO PROPER ELEVATION FOR INSTALLATION OF AGGREGATE BASE COURSE SHALL BE INCLUDED IN COST FOR PAVEMENT REMOVAL. THIS INCLUDES THE AGGREGATE SHOULDER PARKING AREA ALONG DERROUGH AVENUE.

THE THICKNESSES OF HOT-MIX ASPHALT MIXTURES SHOWN IN THE PLANS ARE NOMINAL. DEVIATIONS MAY OCCUR DUE TO IRREGULARITIES IN THE SURFACES OR BASIS ON WHICH THEY ARE TO BE PLACED. PLAN THICKNESSES SHOULD BE CONSIDERED THE MINIMUM THICKNESS PERMITTED.

DETECTABLE WARNINGS FOR THE HANDICAPPED SHALL BE INSTALLED AT ALL INTERSECTING STREETS, SIGNALIZED COMMERCIAL DRIVEWAYS AND SIGNALIZED ALLEYS AS DIRECTED BY THE ENGINEER (SEE IDOT STD. 424001-05 INCLUDED IN THE SPECIFICATIONS). CONTRACTOR SHALL VERIFY THAT ALL SLOPES MEET ADA REQUIREMENTS PRIOR TO INSTALLING SIDEWALK DETECTABLE WARNINGS AND ADJACENT CURB AND GUTTER.

PAVEMENT GRADES: THE ELEVATIONS INDICATED ON THE PLANS ARE FINISHED GRADES OF PROPOSED PAVEMENT OR SURFACE COURSE, UNLESS OTHERWISE INDICATED.

RELOCATING EXISTING SIGNS: EXISTING SIGNS WHICH ARE IN CONFLICT WITH PROPOSED IMPROVEMENTS SHALL BE REMOVED AND REINSTALLED UPON COMPLETION OF CONFLICTING IMPROVEMENTS IN ACCORDANCE WITH THE ILLINOIS DEPARTMENT OF TRANSPORTATION "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES" AND THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION". STOP SIGNS, SPEED LIMIT SIGNS, AND STREET NAME SIGNS SHALL BE UP AND VISIBLE AT ALL TIMES. THIS WORK SHALL BE INCLUDED IN THE PAY ITEM TRAFFIC CONTROL AND PROTECTION, STANDARD 701501.

PER ARTICLE 107.20, MAILBOXES WHICH ARE IN CONFLICT WITH PROPOSED IMPROVEMENTS SHALL BE REMOVED, TEMPORARILY RELOCATED, AND REPLACED UPON COMPLETION OF THE PROPOSED IMPROVEMENTS AS DIRECTED BY THE ENGINEER.

PROPOSED CONCRETE CURB AND GUTTER SHALL BE TRANSITIONED TO EXISTING CURB AND GUTTER OVER A LENGTH OF 5 FEET. THIS WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT FOR COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.12.

ALL UNDERGROUND, DRIVEWAY, CONCRETE, AND LANDSCAPE RESTORATION WORK IS TO BE COMPLETED BEFORE THE SURFACE COURSE CAN BE INSTALLED.

ALL REMOVAL OR EXCAVATION ITEMS BEING DISPOSED OF AT AN UNCONTAMINATED SOIL FILL OPERATION OR CLEAN CONSTRUCTION AND DEMOLITION DEBRIS (CCDD) FILL SITE SHALL MEET THE REQUIREMENTS OF PUBLIC ACT 96-1416. ALL COSTS ASSOCIATED WITH MEETING THESE REQUIREMENTS SHALL BE INCLUDED IN THE UNIT PRICE COST FOR THE ASSOCIATED REMOVAL OR EXCAVATION ITEMS IN THE CONTRACT. THESE COSTS SHALL INCLUDE BUT ARE NOT LIMITED TO ALL REQUIRED TESTING, LAB ANALYSIS, CERTIFICATION BY A LICENSED PROFESSIONAL ENGINEER, AND STATE OR LOCAL TIPPING FEES.

COST TO CONNECT EXISTING OR PROPOSED STORM SEWER TO EXISTING OR PROPOSED DRAINAGE STRUCTURE SHALL BE INCLUDED IN COST FOR STORM SEWER.

COST FOR CONSTRUCTION OF SPEED HUMP IS INCLUDED IN THE COST FOR HOT-MIX ASPHALT SURFACE COURSE. THIS INCLUDES ALL LABOR AND MATERIALS TO CONSTRUCT THE SPEED HUMP IN ACCORDANCE WITH THE DETAIL AS SHOWN IN THE PLANS.

**IDOT HIGHWAY STANDARDS**

000001-06	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
280001-05	TEMPORARY EROSION CONTROL SYSTEMS
424001-05	CURB RAMPS FOR SIDEWALKS
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
542311-02	GRATING FOR CONCRETE FLARED END SECTION (FOR 24" THRU 54" PIPE)
602001-02	CATCH BASIN TYPE A
602011-02	CATCH BASIN TYPE C
602601-02	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
604001-03	FRAME AND LIDS TYPE 1
606001-04	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701501-06	URBAN LANE CLOSURE, 2L, 2W UNDIVIDED
701801-04	LANE CLOSURE MULTILANE 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE
701901-01	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-02	SIGN PANEL ERECTION DETAILS
729001-01	APPLICATIONS OF TYPES A & B METAL POSTS
780001-02	TYPICAL PAVEMENT MARKINGS
BD-22	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT
TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS
TC-13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
BLR 17-4	TRAFFIC CONTROL DEVICES - DAY LABOR CONSTRUCTION
BLR 18-5	TRAFFIC CONTROL DEVICES - DAY LABOR MAINTENANCE

**THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR JOB SITE SAFETY AS WELL AS SUPERVISION/DIRECTION AND MEANS/METHODS OF CONSTRUCTION.**

FILE NAME =	USER NAME = EDTODA	DESIGNED - AMP	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>GENERAL NOTES AND IDOT STANDARDS</b>	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
\\NDRTHLAK\940032DC107\Civil\Not1.dcl07.shx		DRAWN - EDT	REVISED -			----	10-00074-00-SW	COOK	22	2	
PLOT SCALE = N.T.S.		CHECKED - MEW	REVISED -			CONTRACT NO. 63559					
PLOT DATE = 2/8/2011		DATE - 02/08/11	REVISED -			ILLINOIS FED. AID PROJECT					
					SCALE: N.T.S.	SHEET NO.	OF	SHEETS	STA. 10+00.00 TO STA. 24+92.22		

**SUMMARY OF QUANTITIES**

LOCATION OF WORK				DIVERSEY AVE. DERROUGH AVE. RHODES AVE. 100% FED	DERROUGH AVE. 100% LOCAL	PROJECT TOTAL
FUNDING SOURCE				SRTS	LOCAL	TOTAL
SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE		
ITEM #	ITEM	UNIT	0021	0004		
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	6	0	6	
20101100	TREE TRUNK PROTECTION	EACH	1	0	1	
20101200	TREE ROOT PRUNING	EACH	3	0	3	
20101400	NITROGEN FERTILIZER NUTRIENT	POUND	40.5	4.5	45	
20101500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	40.5	4.5	45	
20101600	POTASSIUM FERTILIZER NUTRIENT	POUND	40.5	4.5	45	
20101700	SUPPLEMENTAL WATERING	UNIT	9	1	10	
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	20	60	80	
20400800	FURNISHED EXCAVATION	CU YD	25	0	25	
20700220	POROUS GRANULAR EMBANKMENT	CU YD	20	60	80	
20800150	TRENCH BACKFILL	CU YD	50	0	50	
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	120	490	610	
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	800	100	900	
25000100	SEEDING, CLASS 1	ACRE	0.45	0.05	0.5	
25100530	EROSION CONTROL BLANKET	SQ YD	1460	65	1525	
28000500	INLET AND PIPE PROTECTION	EACH	6	0	6	
28000510	INLET FILTERS	EACH	20	1	21	
31101100	SUB-BASE GRANULAR MATERIAL, TYPE B	CU YD	95	10	105	
35101598	AGGREGATE BASE COURSE, TYPE B 3"	SQ YD	70	0	70	
35101800	AGGREGATE BASE COURSE, TYPE B 6"	SQ YD	100	45	145	
35102000	AGGREGATE BASE COURSE, TYPE B 8"	SQ YD	120	490	610	
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	55	15	70	
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	40	55	95	
40600300	AGGREGATE (PRIME COAT)	TON	1	2	3	
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	50	120	170	
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	85	55	140	
42300300	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 7 INCH	SQ YD	70	0	70	
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH	SQ FT	8100	0	8100	
42400400	PORTLAND CEMENT CONCRETE SIDEWALK 7 INCH	SQ FT	475	0	475	
42400800	DETECTABLE WARNINGS	SQ FT	60	0	60	
44000100	PAVEMENT REMOVAL	SQ YD	775	360	1135	
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	290	40	330	
44000300	CURB REMOVAL	FOOT	45	0	45	
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	380	0	380	
44000600	SIDEWALK REMOVAL	SQ FT	325	0	325	
44201713	CLASS D PATCHES, TYPE I, 6 INCH	SQ YD	0	50	50	
54213689	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	6	0	6	
54247130	GRATING FOR CONCRETE FLARED END SECTION 24"	EACH	6	0	6	
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	187	0	187	
550A0120	STORM SEWERS, CLASS A, TYPE 1 24"	FOOT	40	0	40	
55100500	STORM SEWER REMOVAL 12"	FOOT	153	0	153	
55101200	STORM SEWER REMOVAL 24"	FOOT	5	0	5	
59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	100	0	100	
60200105	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	4	0	4	
60200905	CATCH BASINS, TYPE C, TYPE 1 FRAME, OPEN LID	EACH	7	0	7	
60250400	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, OPEN LID	EACH	1	1	2	
60265700	VALVE VAULTS TO BE ADJUSTED	EACH	2	0	2	
60903800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6, 12	FOOT	1200	0	1200	
67100100	MOBILIZATION	L SUM	0.9	0.1	1	
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701305	L SUM	0.9	0.1	1	
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	0.9	0.1	1	
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	0.9	0.1	1	
72000100	SIGN PANEL - TYPE 1	SQ FT	32	0	32	
72900100	METAL POST - TYPE A	FOOT	70	0	70	
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	26	0	26	
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	30	0	30	
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	34	0	34	
* 81400730	HANDHOLE, COMPOSITE CONCRETE	EACH	1	0	1	
- 89502380	REMOVE EXISTING HANDHOLE	EACH	1	0	1	
X 48102000	AGGREGATE SHOULDER REMOVAL	CU YD	260	55	315	
- X6026050	SANITARY MANHOLES TO BE ADJUSTED	EACH	3	0	3	
- X6961700	COMBINATION CONCRETE CURB AND GUTTER, TYPE B (SPECIAL)	FOOT	250	345	595	
* 20013798	CONSTRUCTION LAYOUT	L SUM	0.9	0.1	1	
- 20016400	DRAINAGE STRUCTURES TO BE ADJUSTED	EACH	2	0	2	
- 20018700	DRAINAGE STRUCTURES TO BE REMOVED	EACH	5	0	5	
- 20056608	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	FOOT	5	0	5	

- INDICATES SPECIAL PROVISION  
\* INDICATES SPECIALTY ITEM

FILE NAME =  
N:\NORTH LAKE\940832DC107\Civil\equal.dwg

USER NAME = EDTODA  
PLOT SCALE = N.T.S.  
PLOT DATE = 2/8/2011

DESIGNED - AMP  
DRAWN - EDT  
CHECKED - MEW  
DATE - 02/08/11

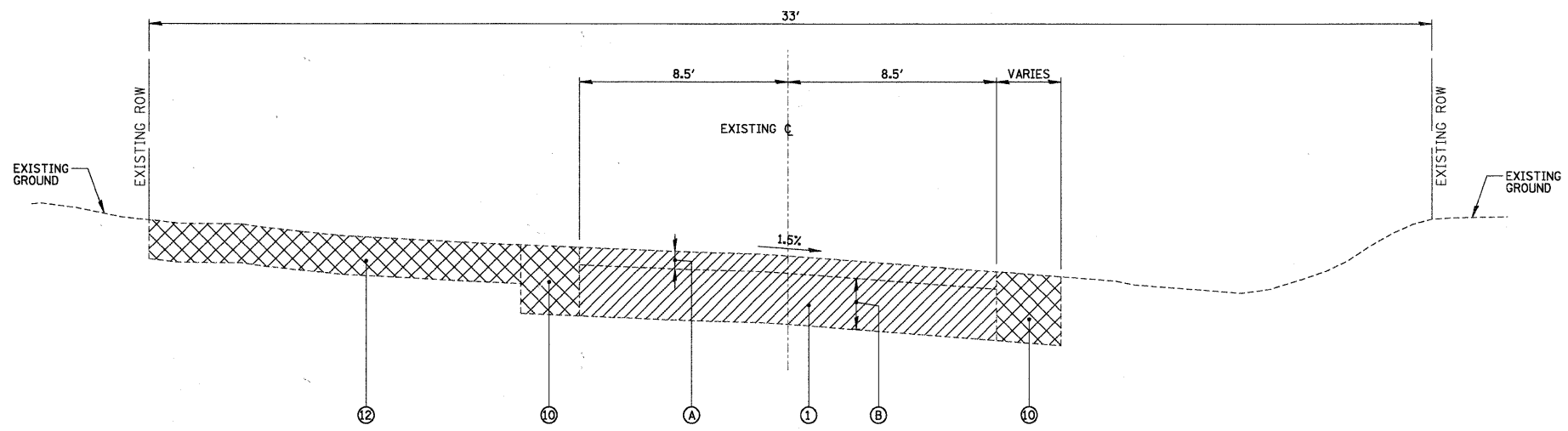
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

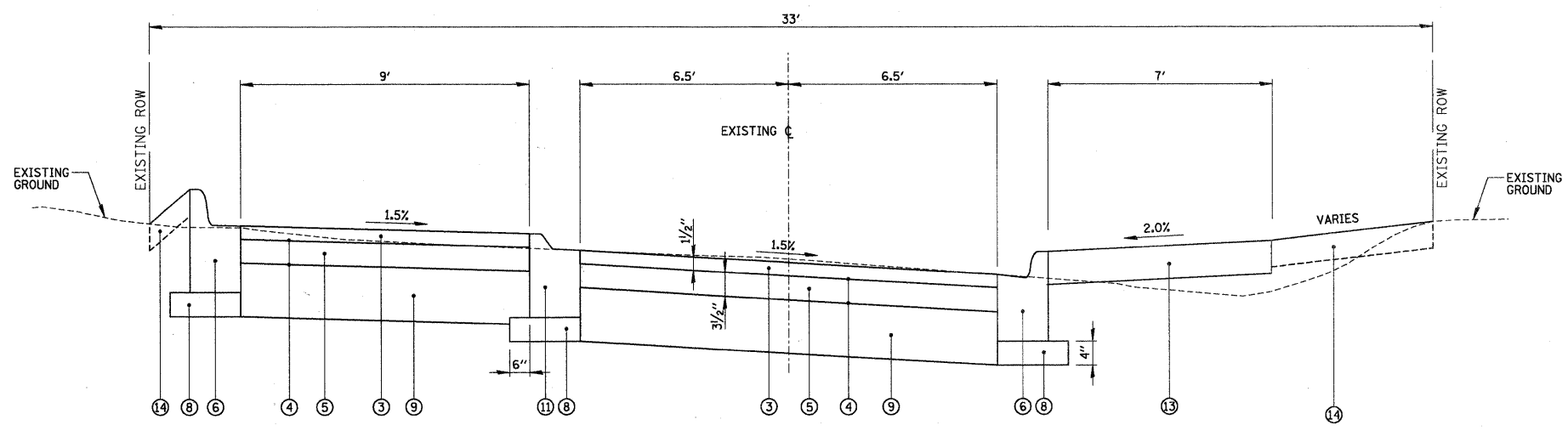
**SUMMARY OF QUANTITIES**

SCALE: N.T.S. SHEET NO. OF SHEETS STA. 10+00.00 TO STA. 24+92.22

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
----	10-00074-00-SW	COOK	22	3
CONTRACT NO. 63559			ILLINOIS FED. AID PROJECT	



**EXISTING TYPICAL SECTION - DERROUGH AVENUE**  
STA. 18+48.70 TO STA. 21+10.83



**PROPOSED TYPICAL SECTION - DERROUGH AVENUE**  
STA. 18+48.70 TO STA. 21+10.83

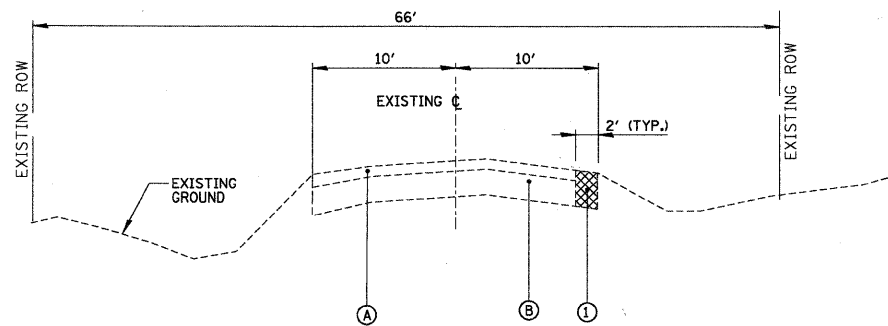
**LEGEND**

- (A) EXISTING ASPHALT PAVEMENT (+/- 3")
- (B) EXISTING AGGREGATE BASE (+/- 10")
- (C) EXISTING COMBINATION CURB AND GUTTER, TYPE B-6.12
- (1) PAVEMENT REMOVAL
- (2) COMBINATION CONCRETE CURB AND GUTTER REMOVAL (LIMITS AS SHOWN ON PLANS)
- (3) HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 - 1 1/2"
- (4) BITUMINOUS MATERIALS (PRIME COAT)
- (5) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 - 3 1/2"
- (6) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-4.12
- (7) COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
- (8) SUBBASE GRANULAR MATERIAL, TYPE B
- (9) AGGREGATE BASE COURSE, TYPE B, 8"
- (10) AGGREGATE SHOULDER REMOVAL
- (11) COMBINATIN CONCRETE CURB AND GUTTER TYPE B-4.12 (DEPRESSED)
- (12) PAVEMENT REMOVAL OR AGGREGATE SHOULDER REMOVAL
- (13) PCC SIDEWALK 5 INCH
- (14) TOPSOIL, FURNISH AND PLACE, 4"
- (15) CONTROLLED LOW-STRENGTH MATERIAL, 10"

**HOT-MIX ASPHALT MIXTURE REQUIREMENTS**

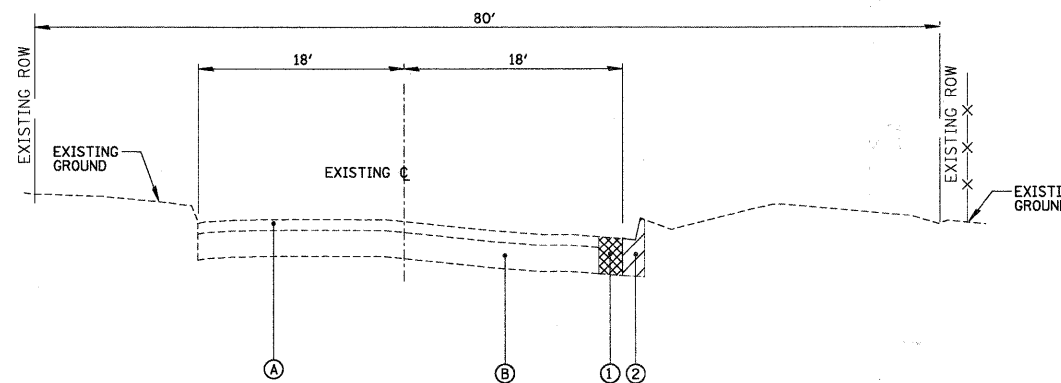
ITEM	AIR VOIDS
<b>PAVEMENT RECONSTRUCTION</b>	
HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 (IL-9.5 MM) - 1 1/2"	4% @ 50 GYR
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 - 3 1/2"	4% @ 50 GYR
<b>DRIVEWAYS</b>	
HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 (IL-9.5 MM) - 3" ( IN 2 LIFTS)	4% @ 50 GYR
<b>PAVEMENT REPLACEMENT</b>	
HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 (IL-9.5 MM) - 1 1/2"	4% @ 50 GYR
<b>PATCHING</b>	
CLSS "D" PATCHES (HMA BINDER, IL-19 MM)	4% @ 70 GYR

NOTE:  
1. THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE QUANTITIES IS 112 LBS/SY/IN.  
2. THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 70-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR "PERCENT OF RAP" SEE DISTRICT ONE SPECIAL PROVISIONS.



**EXISTING TYPICAL SECTION - RHODES AVENUE**

STA. 10+16.67 TO STA. 18+48.70

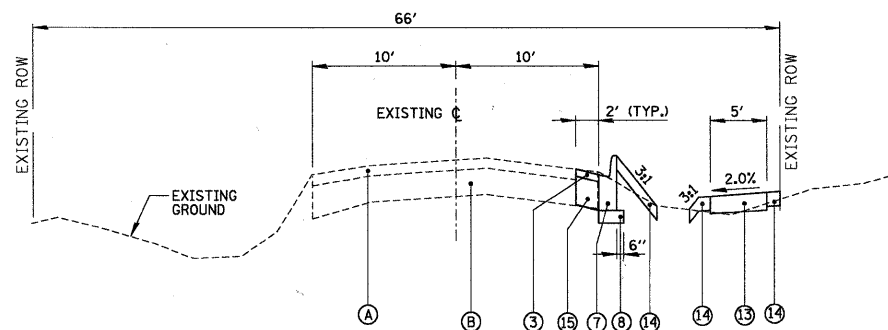


**EXISTING TYPICAL SECTION - DIVERSEY AVENUE**

STA. 30+00 TO STA. 33+24.18

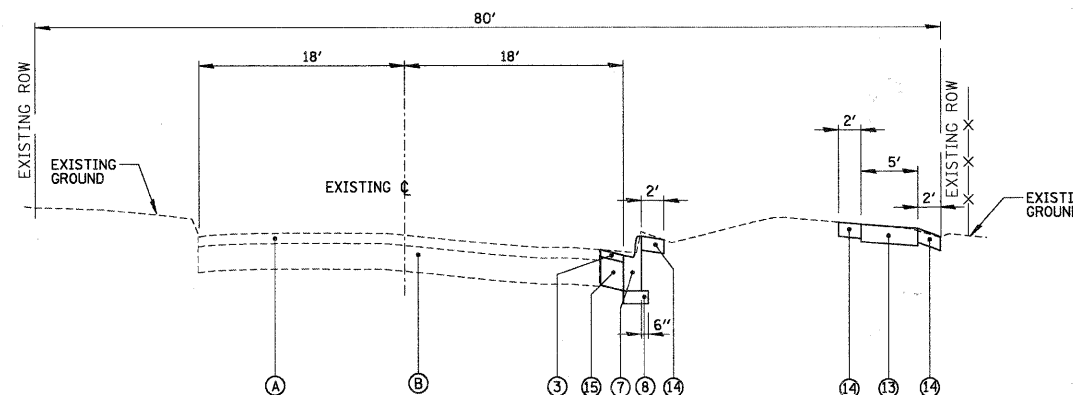
**LEGEND**

- (A) EXISTING ASPHALT PAVEMENT (+/- 3")
- (B) EXISTING AGGREGATE BASE (+/- 10")
- (C) EXISTING COMBINATION CURB AND GUTTER; TYPE B-6.12
- (1) PAVEMENT REMOVAL
- (2) COMBINATION CONCRETE CURB AND GUTTER REMOVAL (LIMITS AS SHOWN ON PLANS)
- (3) HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 - 1 1/2"
- (4) BITUMINOUS MATERIALS (PRIME COAT)
- (5) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 - 3 1/2"
- (6) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-4.12
- (7) COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
- (8) SUBBASE GRANULAR MATERIAL, TYPE B
- (9) AGGREGATE BASE COURSE, TYPE B, 8"
- (10) AGGREGATE SHOULDER REMOVAL
- (11) COMBINATIN CONCRETE CURB AND GUTTER TYPE B-4.12 (DEPRESSED)
- (12) PAVEMENT REMOVAL OR AGGREGATE SHOULDER REMOVAL
- (13) PCC SIDEWALK 5 INCH
- (14) TOPSOIL, FURNISH AND PLACE, 4"
- (15) CONTROLLED LOW-STRENGTH MATERIAL, 10"



**PROPOSED TYPICAL SECTION - RHODES AVENUE**

STA. 10+16.67 TO STA. 18+48.70



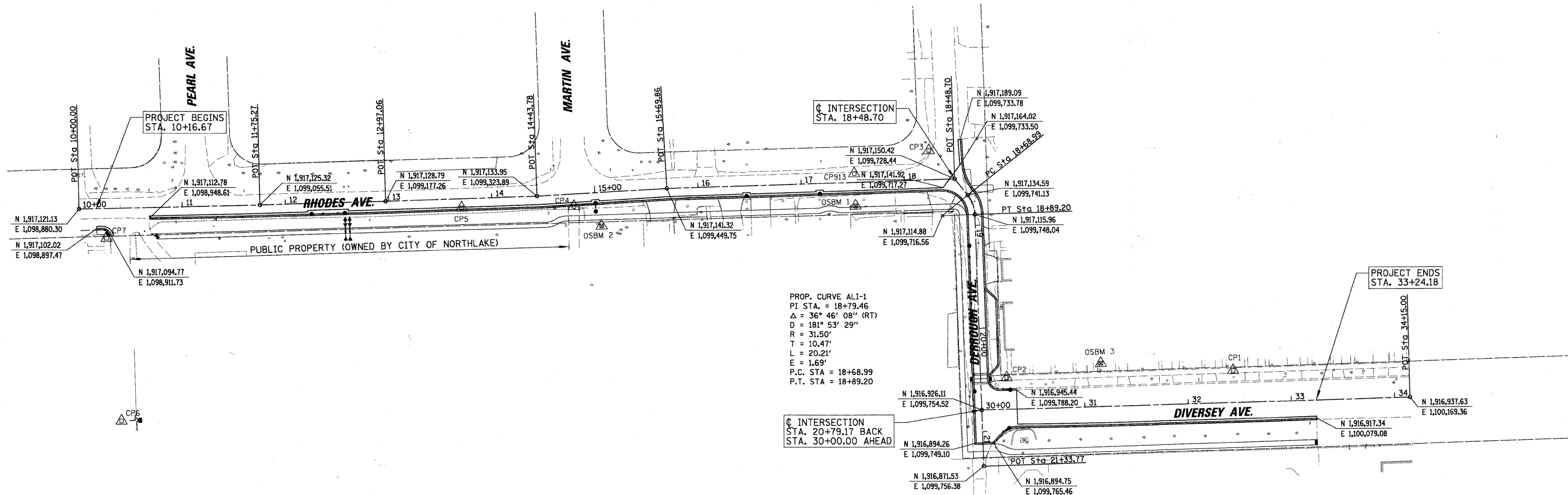
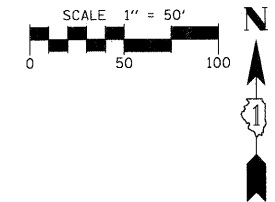
**PROPOSED TYPICAL SECTION - DIVERSEY AVENUE**

STA. 30+00 TO STA. 33+24.18

**HOT-MIX ASPHALT MIXTURE REQUIREMENTS**

ITEM	AIR VOIDS
<b>PAVEMENT RECONSTRUCTION</b>	
HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 (IL-9.5 MM) - 1/2"	4% @ 50 GYR
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 - 3/2"	4% @ 50 GYR
<b>DRIVEWAYS</b>	
HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 (IL-9.5 MM) - 3" (IN 2 LIFTS)	4% @ 50 GYR
<b>PAVEMENT REPLACEMENT</b>	
HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 (IL-9.5 MM) - 1/2"	4% @ 50 GYR
<b>PATCHING</b>	
CLASS "D" PATCHES (HMA BINDER, IL-19 MM)	4% @ 70 GYR

- NOTE:
- THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE QUANTITIES IS 112 LBS/SY/IN.
  - THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 70-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR "PERCENT OF RAP" SEE DISTRICT ONE SPECIAL PROVISIONS.



PROP. CURVE ALI-1  
 PI STA. = 18+79.46  
 $\Delta = 36^\circ 46' 08''$  (RT)  
 $D = 181' 53' 29''$   
 $R = 31.50'$   
 $T = 10.47'$   
 $L = 20.21'$   
 $E = 1.69'$   
 P.C. STA = 18+68.99  
 P.T. STA = 18+89.20

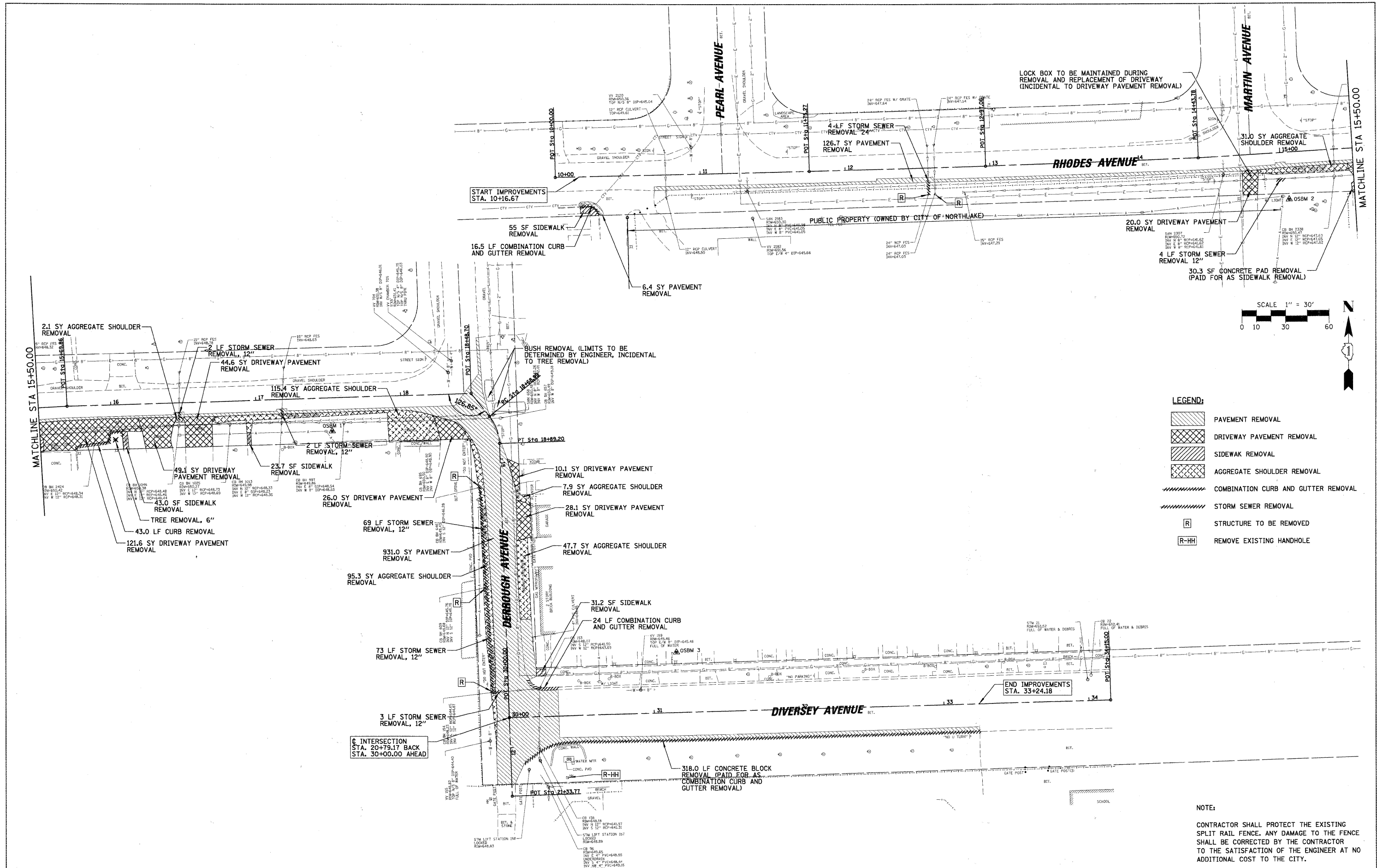
ELEVATION BENCHMARKS DATUM: NAVD '88		
NO.	DESCRIPTION	ELEV.
TP 14	RAILROAD SPIKE IN NORTH FACE OF POWER POLE @ SOUTHEAST CORNER OF DERROUGH AV. (AND GRAND AV. (FROM NORTHLAKE LEVEL RUN))	658.50
OSBM 1	RAILROAD SPIKE IN EAST FACE OF UTILITY POLE 100' ± WEST OF DERROUGH AV. ON SOUTH SIDE OF RHODES AV.	651.70
OSBM 2	SPROCKET SPIKE IN UTILITY POLE WITH LIGHT AT MARTIN AV. ON SOUTH SIDE OF RHODES AV.	651.17
OSBM 3	EAST SIDE OF DOOR SILL AT FRONT OF 1 STORY BRICK BUILDING AT #124 DIVERSEY AV.	652.00

HORIZONTAL CONTROL POINTS						
POINT NO.	NORTHING (Y)	EASTING (X)	ELEVATION	DESCRIPTION	STATION	OFFSET
1	1,916,963.84	1,099,998.04	652.26	HORIZONTAL CONTROL STATION	23+22.28	30.96' LT
2	1,916,957.29	1,099,778.80	648.78	HORIZONTAL CONTROL STATION	31+38.56	25.84' LT
3	1,917,178.15	1,099,703.46	651.18	HORIZONTAL CONTROL STATION	18+24.64	28.54' LT
4	1,917,124.08	1,099,359.75	650.83	HORIZONTAL CONTROL STATION	14+73.01	11.95' RT
5	1,917,122.47	1,099,250.91	650.87	HORIZONTAL CONTROL STATION	13+70.44	8.90' RT
6	1,916,916.19	1,098,921.28	650.80	HORIZONTAL CONTROL STATION	10+36.08	205.86' RT
7	1,917,092.91	1,098,906.97	651.31	HORIZONTAL CONTROL STATION	10+25.99	28.85' RT
913	1,917,155.81	1,099,631.22	650.42	CP-PK	17+51.71	8.57' LT

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PLOT DATE = 2/8/2011		DATE - 02/08/11	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

ALIGNMENT, TIES AND BENCHMARKS			
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS
----	10-00074-00-SW	COOK	22
			SHEET NO. 6
SCALE: 50'			CONTRACT NO. 63559
SHEET NO. OF SHEETS		STA. 10+00.00 TO STA. 24+92.22	
ILLINOIS FED. AID PROJECT			



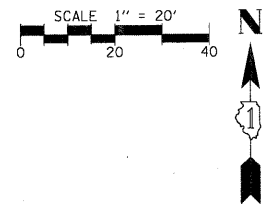
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PLOT DATE = 2/8/2011		DATE - 02/08/11	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EXISTING CONDITIONS AND REMOVAL PLAN**

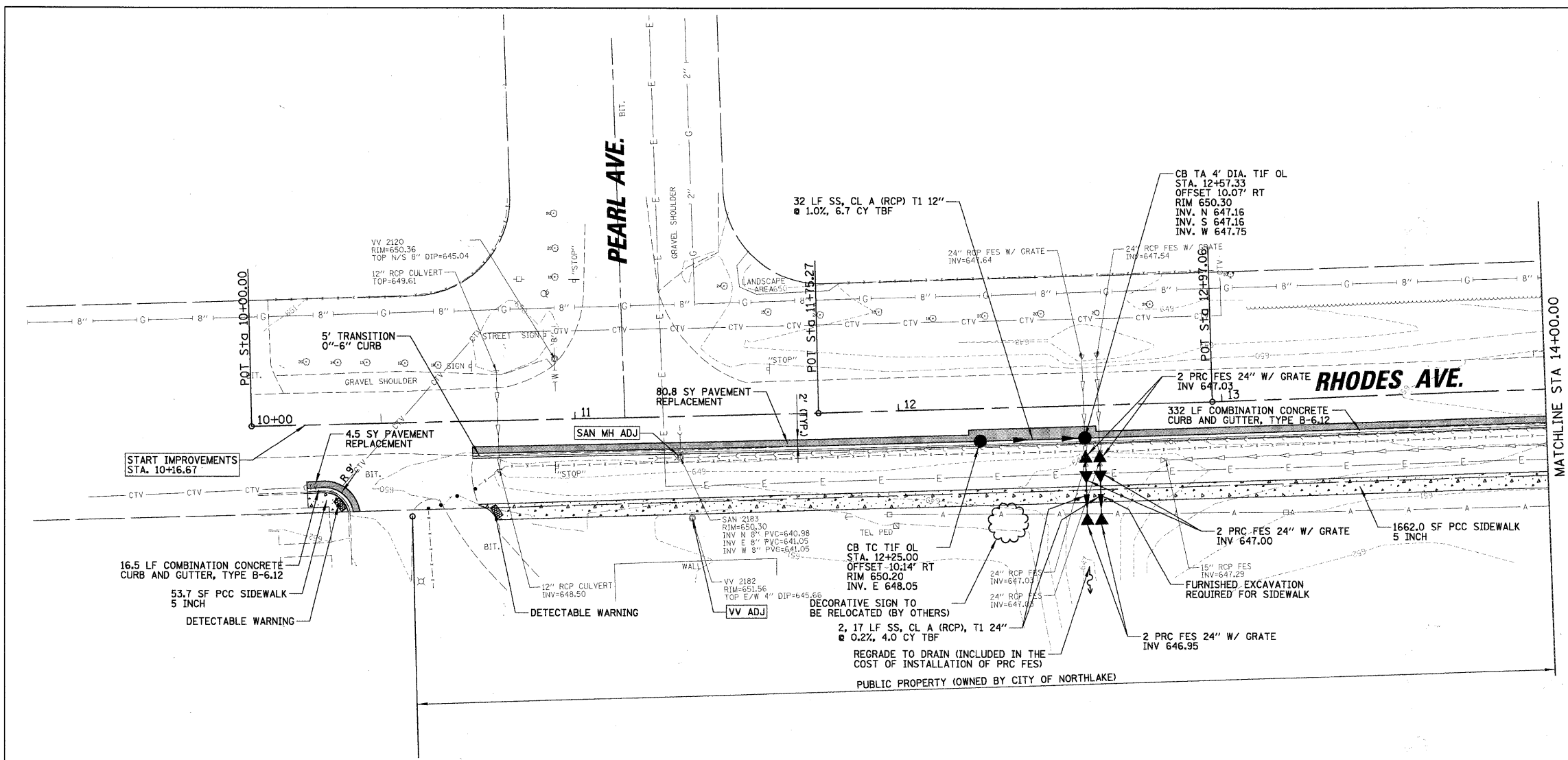
SCALE: 30' SHEET NO. OF SHEETS STA. 10+00.00 TO STA. 24+92.22

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
---	10-0074-00-SW	COOK	22	7
			CONTRACT NO. 63559	
ILLINOIS FED. AID PROJECT				

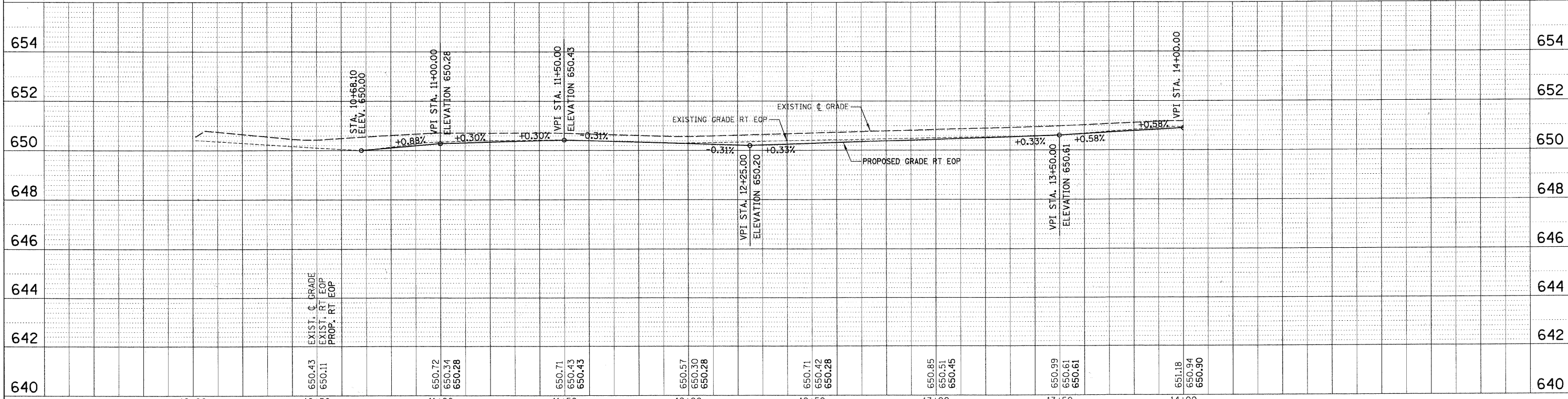


PLAN	SURVEYED	BY	DATE
	NOTE BOOK		
	ALIGNED		
	CHECKED		
	PLT. OF WY. CHECKED		
	NO. _____		
	PAID FILE NAME		

PROFILE	SURVEYED	BY	DATE
	NOTE BOOK		
	GRABES CHECKED		
	B.M. NOTED		
	STRUCTURE NOTATIONS OK'D		
	NO. _____		

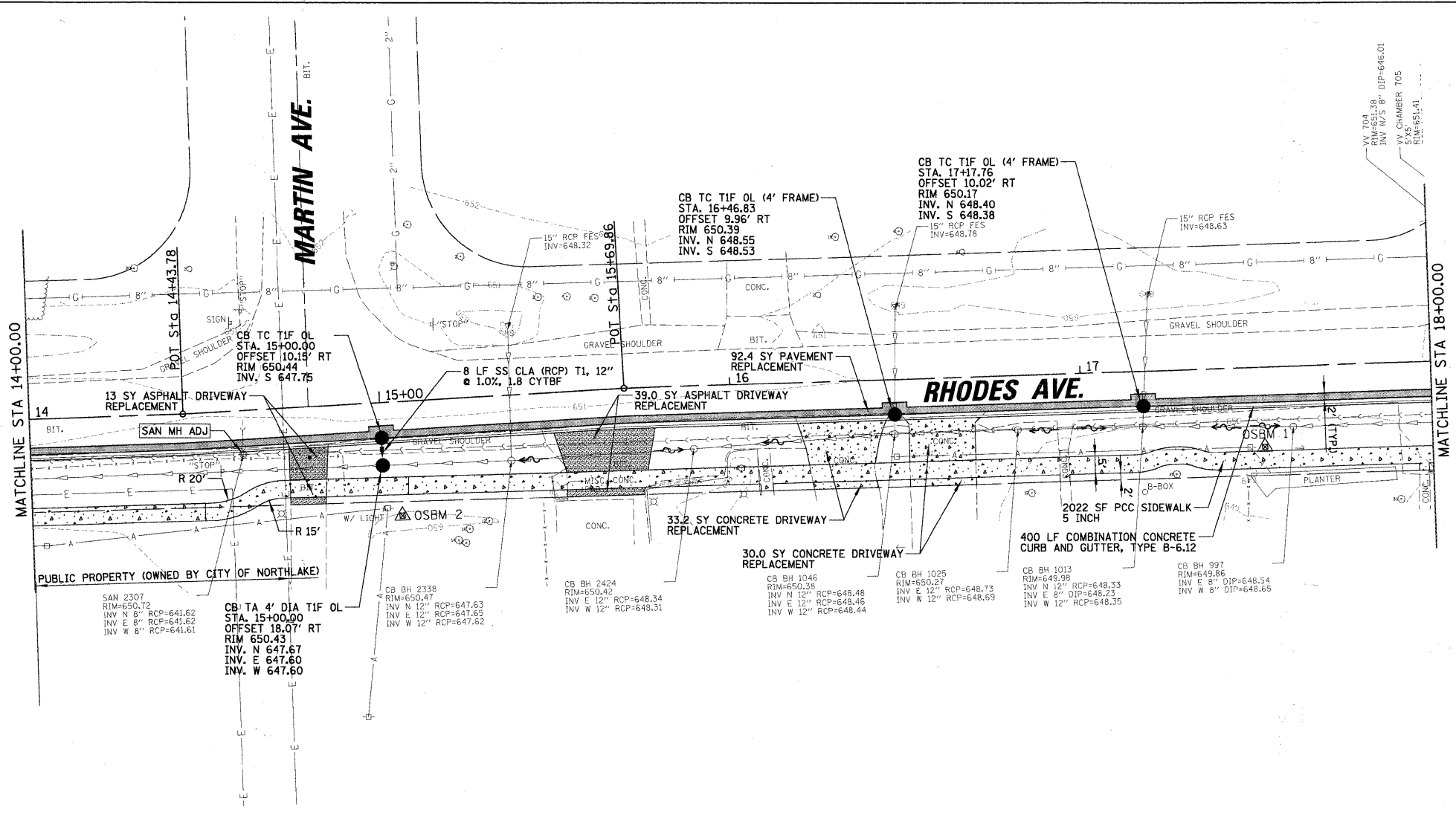
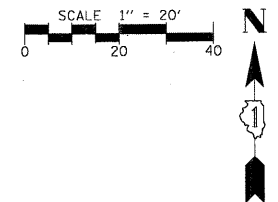


- LEGEND:**
- COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
  - PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH
  - ASPHALT DRIVEWAY REPLACEMENT  
- HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 3"  
- AGGREGATE BASE COURSE, TYPE B, 6"
  - PCC DRIVEWAY REPLACEMENT  
- PORTLAND CEMENT CONCRETE PAVEMENT, 7"  
- AGGREGATE BASE COURSE, TYPE B, 3"
  - PAVEMENT REPLACEMENT  
- HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 1 1/2"  
- CONTROLLED LOW-STRENGTH MATERIAL, 10"
  - PAVEMENT RECONSTRUCTION  
- HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 1 1/2"  
- HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 3 1/2"  
- AGGREGATE BASE COURSE, TYPE B, 8"

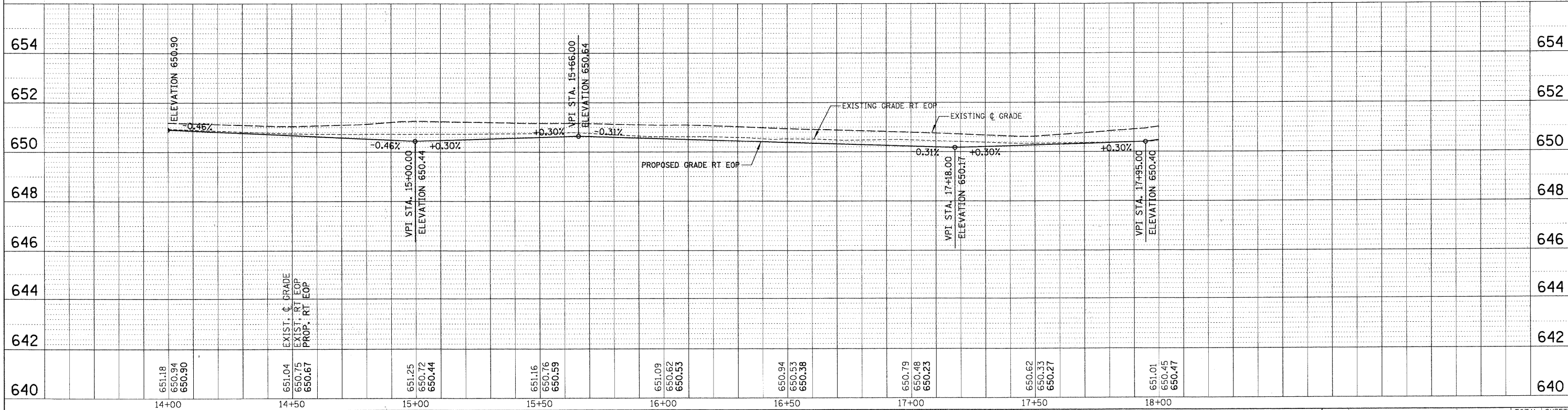


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PLOT SCALE = 2"	CHECKED - MEW	DRAWN - EDT	REVISED -		SCALE: 20'	SHEET NO. OF SHEETS	STA. 10+00.00 TO STA. 15+50.00	CONTRACT NO. 63559					
PLOT DATE = 2/8/2011	DATE = 02/08/11	CHECKED - MEW	REVISED -		ILLINOIS FED. AID PROJECT								
		DATE = 02/08/11	REVISED -										





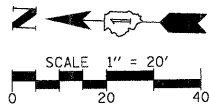
- LEGEND:**
- COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
  - PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH
  - ASPHALT DRIVEWAY REPLACEMENT  
- HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 3"  
- AGGREGATE BASE COURSE, TYPE B, 6"
  - PCC DRIVEWAY REPLACEMENT  
- PORTLAND CEMENT CONCRETE PAVEMENT, 7"  
- AGGREGATE BASE COURSE, TYPE B, 3"
  - PAVEMENT REPLACEMENT  
- HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 1 1/2"  
- CONTROLLED LOW-STRENGTH MATERIAL, 10"
  - PAVEMENT RECONSTRUCTION  
- HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 1 1/2"  
- HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 3 1/2"  
- AGGREGATE BASE COURSE, TYPE B, 8"



PLAN	SURVEYED	DATE
	ALIGNED	
	CHECKED	
	BY	
	NO.	
	FILE NAME	

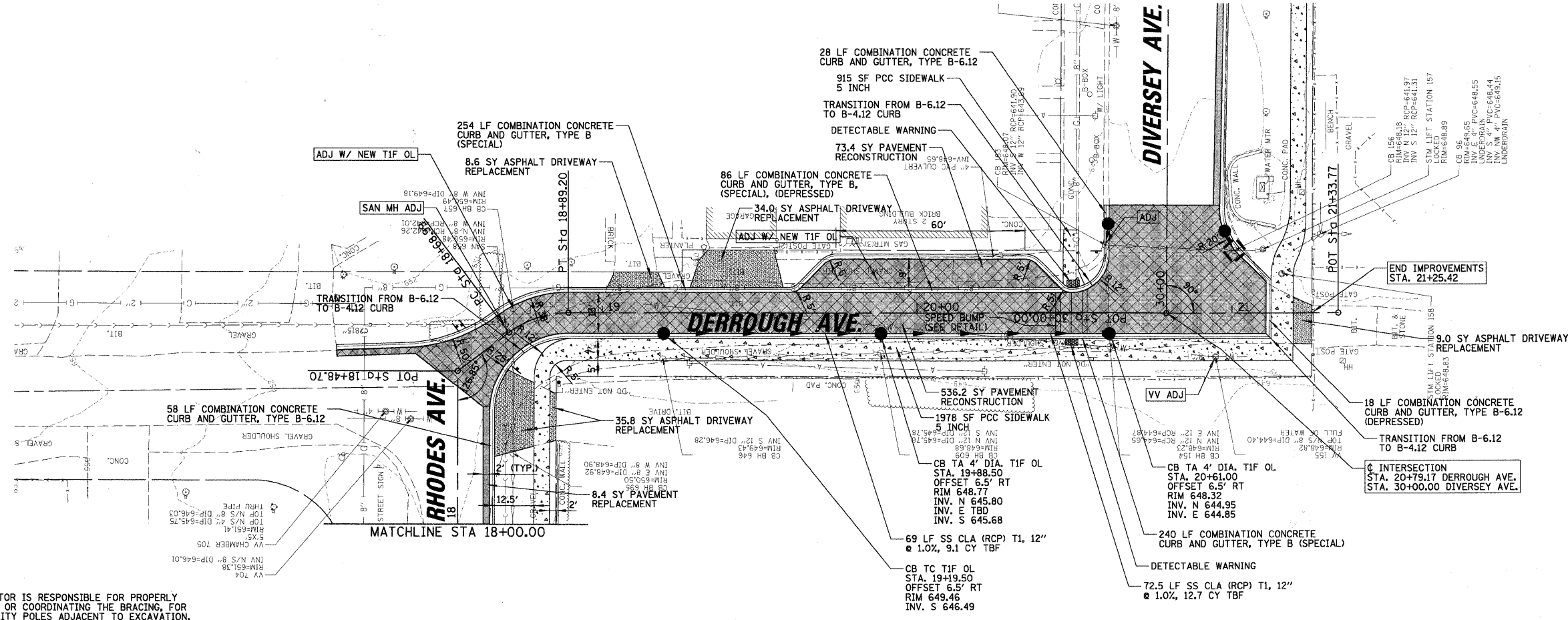
PROFILE	SURVEYED	DATE
	GRADES CHECKED	
	BY	
	NOTED	
	STRUCTURE	
	NOTATIONS	
	CHKD	

FILE NAME = N:\NORTHLAKE\940232DC187\civil\rrp2.dcl07.sht USER NAME = EDTODR PLOT SCALE = 20' PLOT DATE = 2/8/2011	DESIGNED - AMP DRAWN - EDT CHECKED - MEW DATE - 02/08/11	REVISED - REVISED - REVISED - REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PROPOSED ROADWAY PLAN AND PROFILE</b> SCALE: 20' SHEET NO. OF SHEETS STA. 15+50.00 TO STA. 20+00.00	<table border="1"> <tr> <th>F.A. RTE.</th> <th>SECTION</th> <th>COUNTY</th> <th>TOTAL SHEETS</th> <th>SHEET NO.</th> </tr> <tr> <td>---</td> <td>10-00074-00-SW</td> <td>COOK</td> <td>22</td> <td>9</td> </tr> <tr> <td colspan="3" style="text-align: center;">CONTRACT NO. 63559</td> <td colspan="2" style="text-align: center;">ILLINOIS FED. AID PROJECT</td> </tr> </table>	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	---	10-00074-00-SW	COOK	22	9	CONTRACT NO. 63559			ILLINOIS FED. AID PROJECT	
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.																
---	10-00074-00-SW	COOK	22	9																
CONTRACT NO. 63559			ILLINOIS FED. AID PROJECT																	



DATE	BY
SURVEYED	ALIGNED
CHECKED	PAID
NO.	NO.

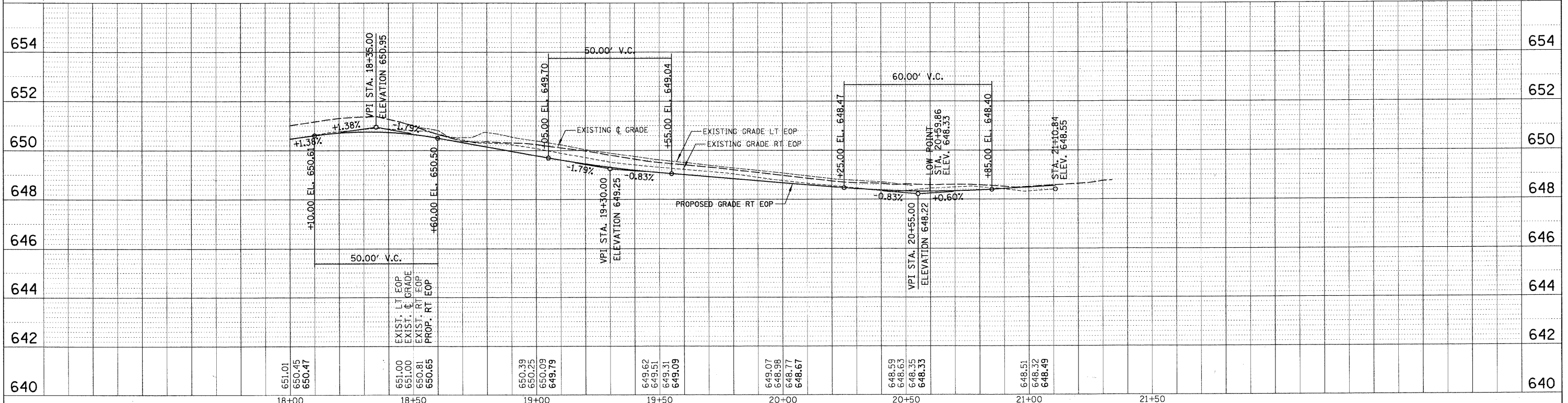
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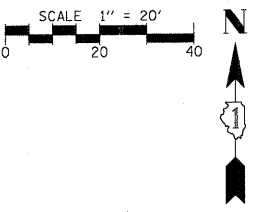
**NOTE:**  
 CONTRACTOR IS RESPONSIBLE FOR PROPERLY BRACING, OR COORDINATING THE BRACING, FOR ALL UTILITY POLES ADJACENT TO EXCAVATION. ANY DAMAGE TO EXISTING UTILITIES WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.

**LEGEND:**

	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
	PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH
	ASPHALT DRIVEWAY REPLACEMENT - HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 3" - AGGREGATE BASE COURSE, TYPE B, 6"
	PCC DRIVEWAY REPLACEMENT - PORTLAND CEMENT CONCRETE PAVEMENT, 7" - AGGREGATE BASE COURSE, TYPE B, 3"
	PAVEMENT REPLACEMENT - HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 1 1/2" - CONTROLLED LOW-STRENGTH MATERIAL, 10"
	PAVEMENT RECONSTRUCTION - HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 1 1/2" - HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 3 1/2" - AGGREGATE BASE COURSE, TYPE B, 8"

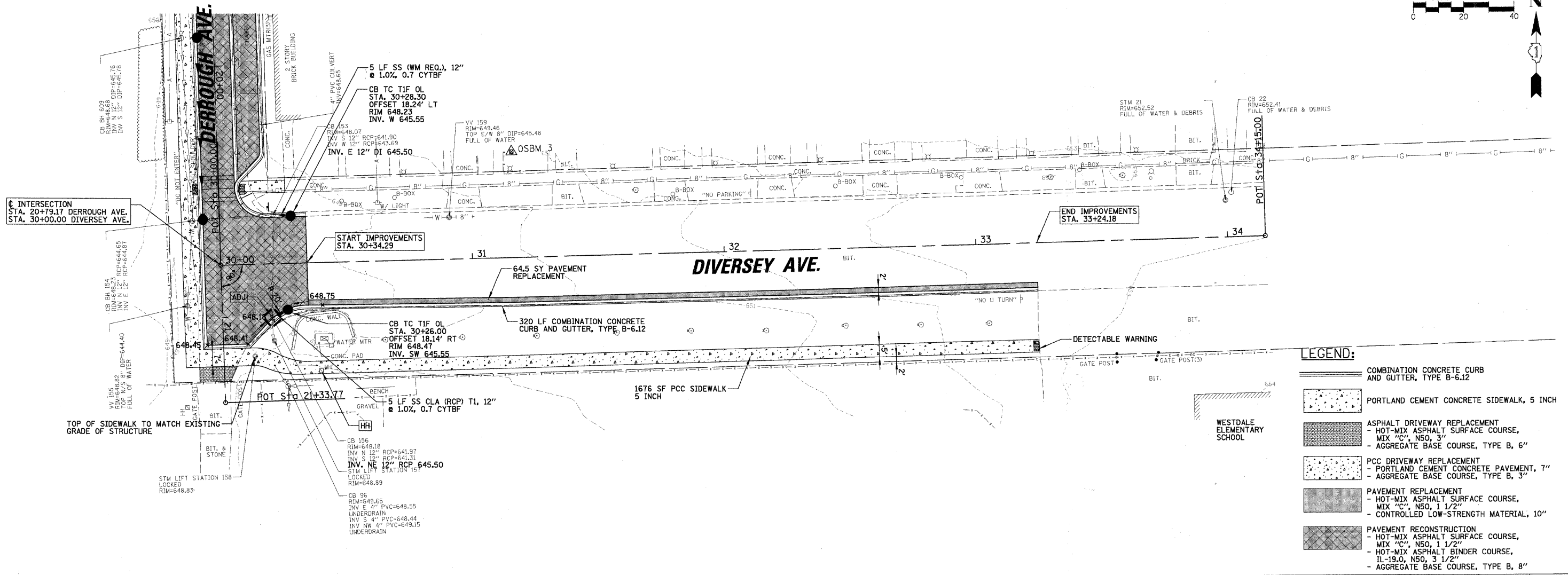


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PLOT SCALE = 20'	CHECKED = MEW	REVISED -	REVISED -			SCALE: 20'	SHEET NO. OF SHEETS = 10 OF 22	CONTRACT NO. 63559		ILLINOIS FED. AID PROJECT
PLOT DATE = 2/8/2011	DATE = 02/08/11	REVISED -	REVISED -			STA. 15+50.00 TO STA. 20+00.00				



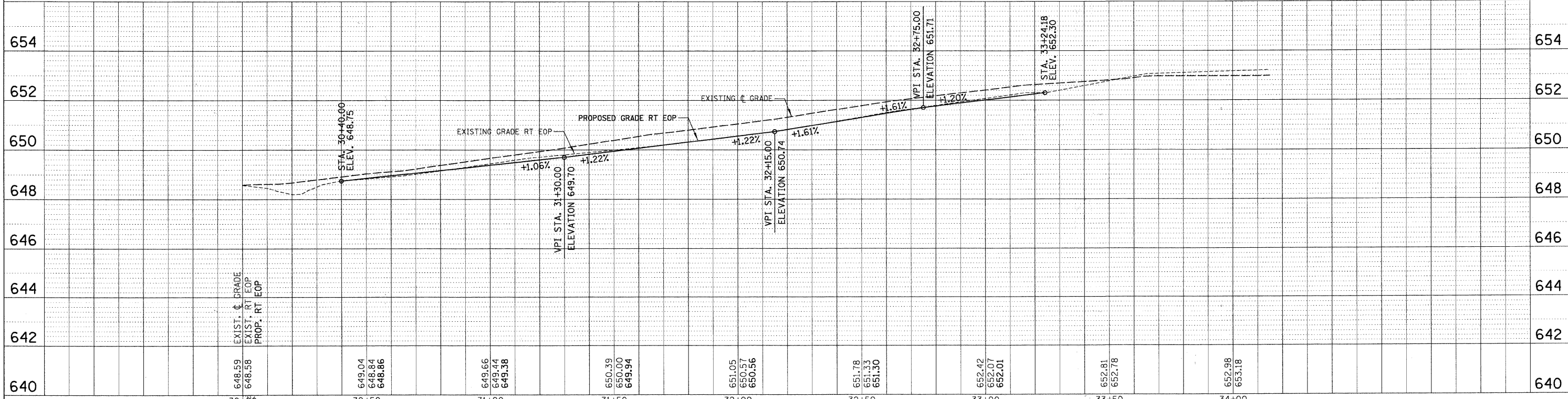
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SURVEYED	
GRADES CHECKED	
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PROFILE	
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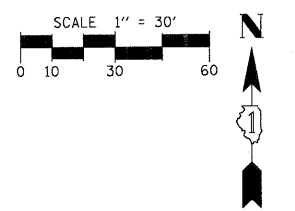
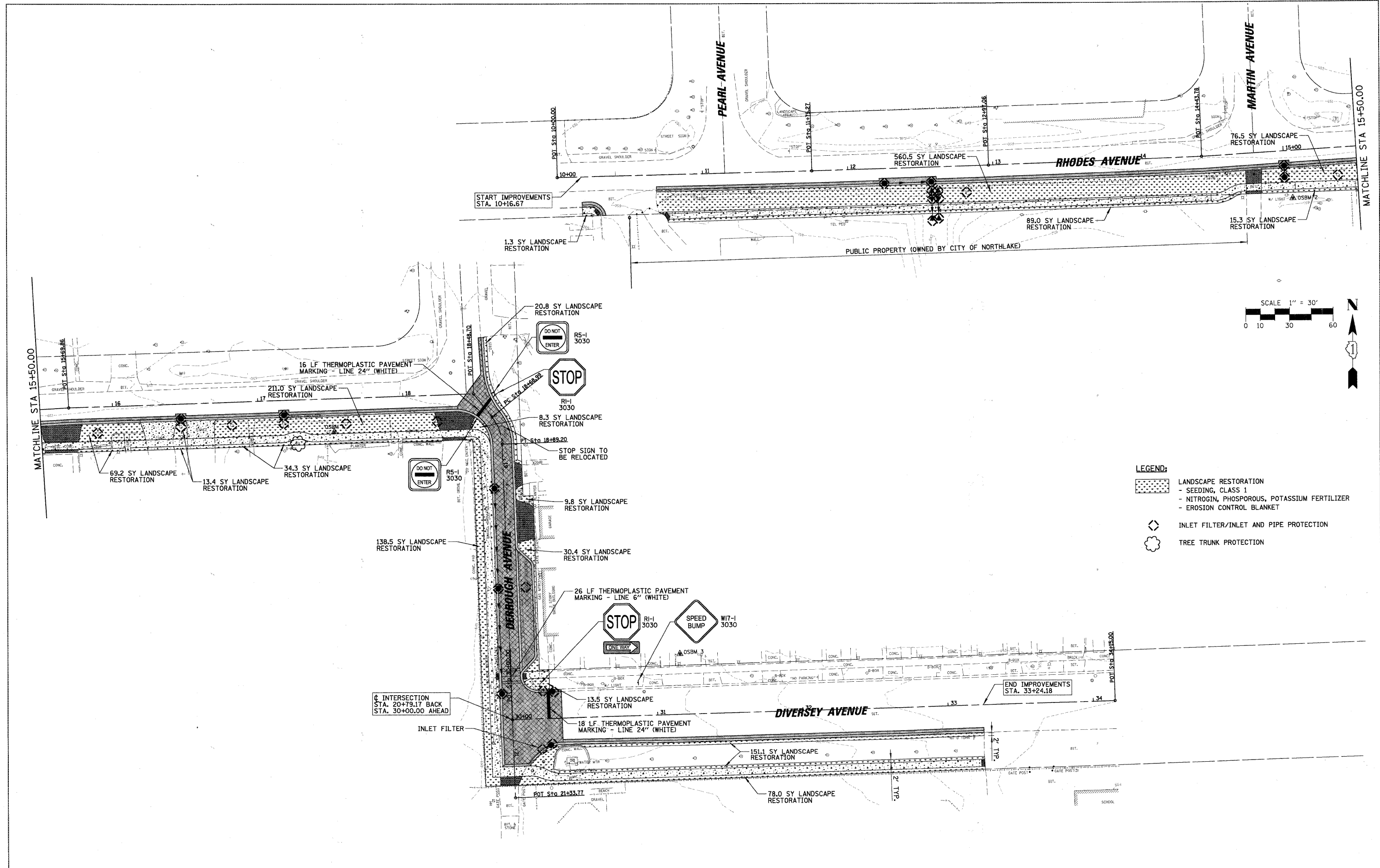


**LEGEND:**

- COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH
- ASPHALT DRIVEWAY REPLACEMENT  
- HOT-MIX ASPHALT SURFACE COURSE, MIX "C", NSO, 3"  
- AGGREGATE BASE COURSE, TYPE B, 6"
- PCC DRIVEWAY REPLACEMENT  
- PORTLAND CEMENT CONCRETE PAVEMENT, 7"  
- AGGREGATE BASE COURSE, TYPE B, 3"
- PAVEMENT REPLACEMENT  
- HOT-MIX ASPHALT SURFACE COURSE, MIX "C", NSO, 1 1/2"  
- CONTROLLED LOW-STRENGTH MATERIAL, 10"
- PAVEMENT RECONSTRUCTION  
- HOT-MIX ASPHALT SURFACE COURSE, MIX "C", NSO, 1 1/2"  
- HOT-MIX ASPHALT BINDER COURSE, IL-19.0, NSO, 3 1/2"  
- AGGREGATE BASE COURSE, TYPE B, 8"

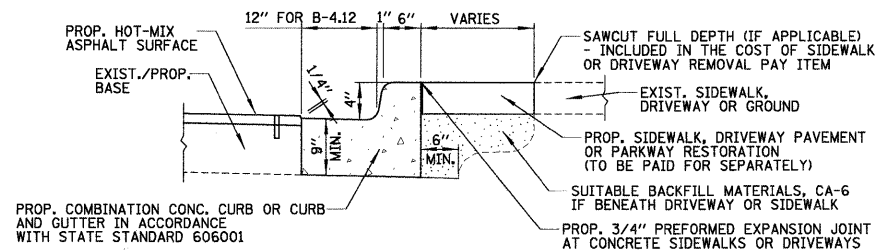
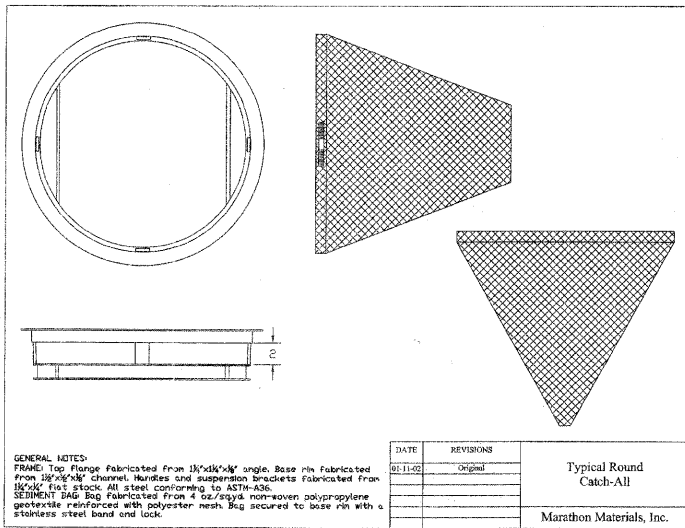


FILE NAME =	USER NAME = EDTODA	DESIGNED - AMP	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PROPOSED ROADWAY PLAN AND PROFILE</b>				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\NORTHLAKE\9400320C107\Civil\p4.dcl07.sht		DRAWN - EDT	REVISED -		SCALE: 20'	SHEET NO.	OF	SHEETS	STA. 20+00.00 TO STA. 24+92.22	10-00074-00-SW	COOK	22	11
		CHECKED - MEW	REVISED -							CONTRACT NO. 63559			
		DATE - 02/08/11	REVISED -							ILLINOIS FED. AID PROJECT			



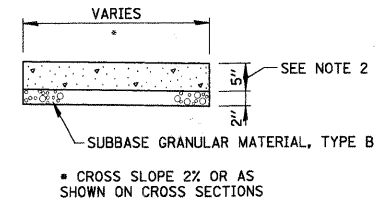
- LEGEND:**
- LANDSCAPE RESTORATION
    - SEEDING, CLASS 1
    - NITROGEN, PHOSPOROUS, POTASSIUM FERTILIZER
    - EROSION CONTROL BLANKET
  - INLET FILTER/INLET AND PIPE PROTECTION
  - TREE TRUNK PROTECTION

FILE NAME = N:\NORTHLAKE\940032DC\07\Civil\elp.do107.sht	USER NAME = EDT00A	DESIGNED - AMP	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>EROSION CONTROL, LANDSCAPING AND PAVEMENT MARKING PLAN</b>			F.A. RTE. ---	SECTION 10-00074-00-SW	COUNTY COOK	TOTAL SHEETS 22	SHEET NO. 12
PLLOT SCALE = 3/8"	DRAWN - EDT	CHECKED - MEW	REVISED -					SCALE: 30'	SHEET NO. OF	SHEETS	STA. 10+00.00 TO STA. 24+92.22	CONTRACT NO. 63559
PLLOT DATE = 2/8/2011	DATE - 02/08/11	REVISED -	REVISED -									



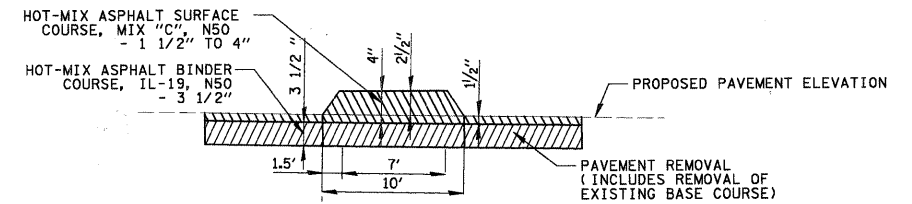
ALL REQUIRED EARTH EXCAVATION AND SUITABLE BACKFILL TO CONSTRUCT COMBINATION CONCRETE CURB AND GUTTER WILL BE INCLUDED IN THE COST FOR COMBINATION CONCRETE CURB AND GUTTER, TYPE B (SPECIAL)

**COMBINATION CONCRETE CURB AND GUTTER, TYPE B (SPECIAL)**  
 NOT TO SCALE

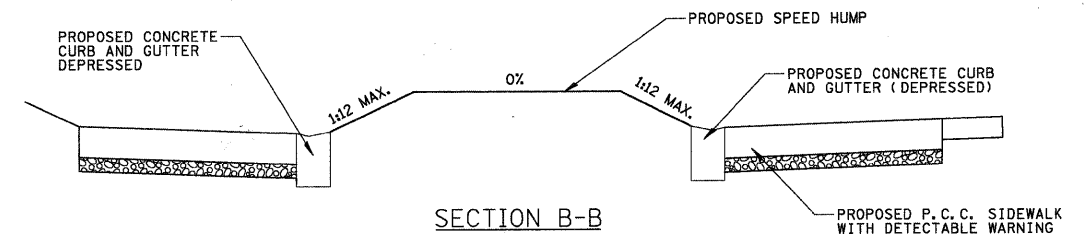


- NOTES:**
1. ALL REQUIRED EARTH EXCAVATION TO CONSTRUCT P.C.C. SIDEWALK SHALL BE INCLUDED IN THE COST FOR P.C.C. SIDEWALK.
  2. THICKNESS SHALL BE INCREASED TO 7" WHERE SIDEWALK IS ADJACENT TO A DRIVEWAY
  3. WHEN FORMS ARE REMOVED FROM THE SIDEWALK EITHER THE SIDEWALK SHALL BE BARRICADED OR BACKFILLED WITHIN 24 HOURS.

**P.C.C. SIDEWALK DETAIL**

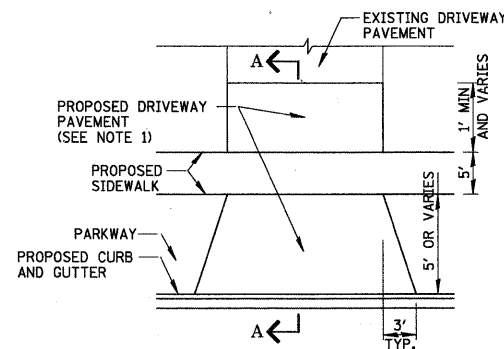


**SECTION A-A**

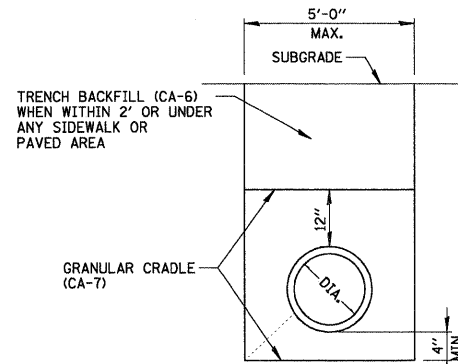


**SECTION B-B**

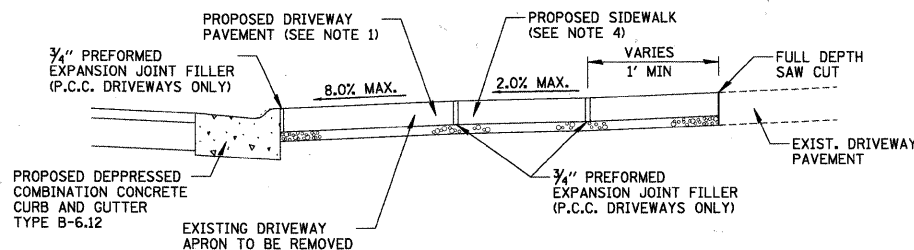
**SPEED HUMP - PROFILES**  
 NOT TO SCALE



**PLAN**



**TYPICAL TRENCH DETAIL**  
 N.T.S.

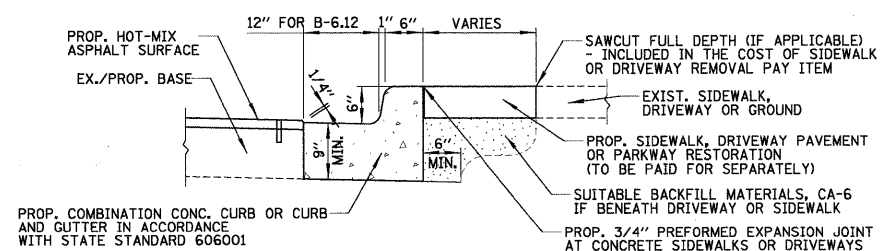


**SECTION A-A**

**TYPICAL DRIVEWAY DETAILS**  
 N.T.S.

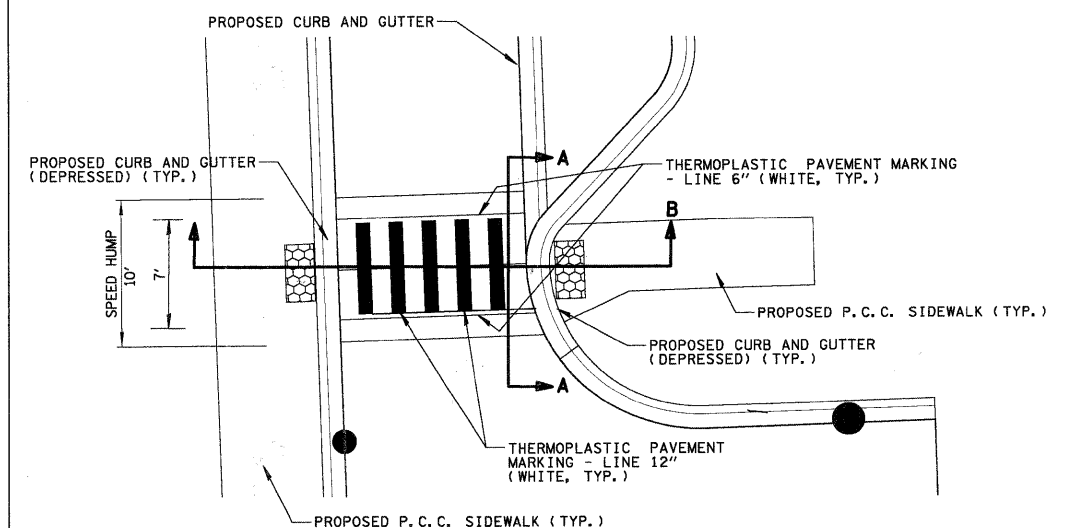
**NOTES:**

1. THE PROPOSED DRIVEWAY PAVEMENT SHALL CONSIST OF:  
 A) 7" PORTLAND CEMENT CONCRETE AND 3" OF AGGREGATE BASE COURSE TYPE B IF THE EXISTING DRIVEWAY IS P.C.C.  
 B) 3" HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 6" AGGREGATE BASE COURSE TYPE B IF THE EXISTING DRIVEWAY IS ASPHALT OR AGGREGATE.
2. PREFORMED EXPANSION JOINT FILLER SHALL BE CONSIDERED INCIDENTAL TO P.C.C. DRIVEWAY PAVEMENT
3. ALL REQUIRED EARTH EXCAVATION REQUIRED TO CONSTRUCT DRIVES SHALL BE INCIDENTAL TO DRIVEWAY REMOVAL.



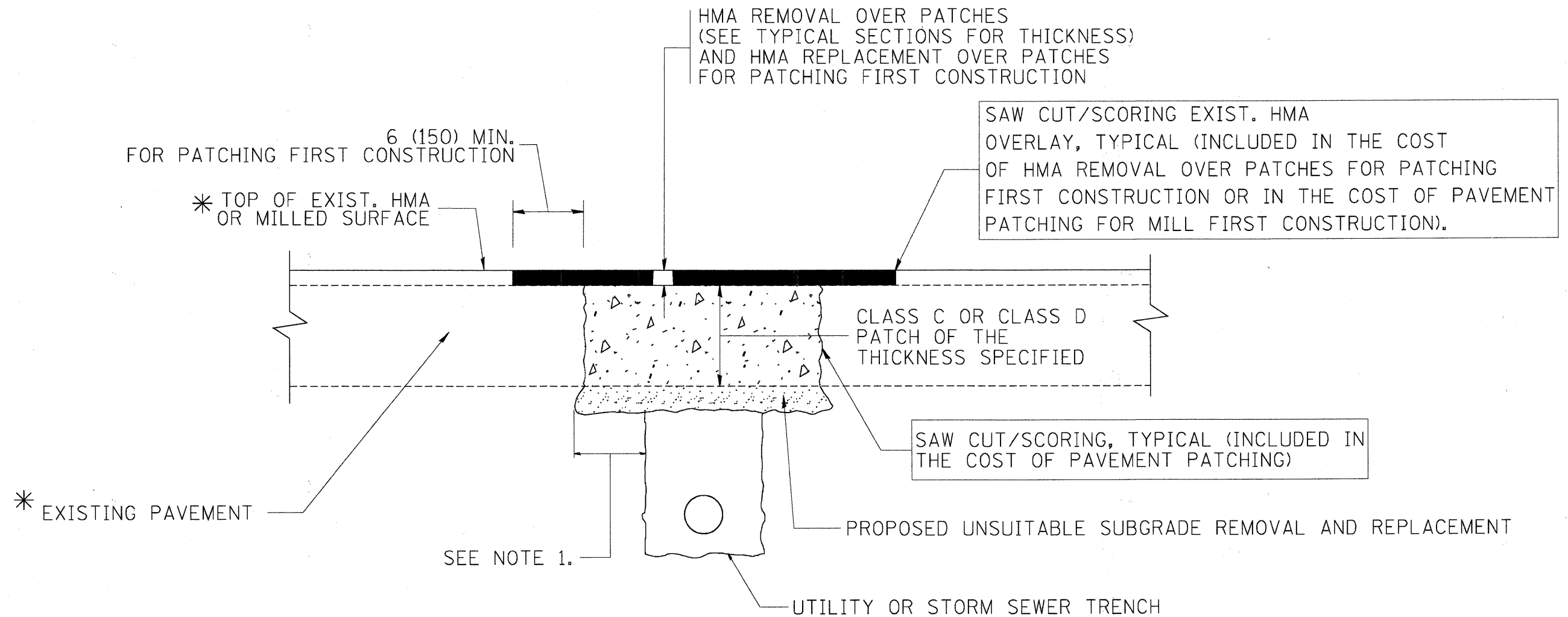
ALL REQUIRED EARTH EXCAVATION AND SUITABLE BACKFILL TO CONSTRUCT COMBINATION CONCRETE CURB AND GUTTER WILL BE INCLUDED IN THE COST FOR COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12

**COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12**  
 NOT TO SCALE



**SPEED HUMP - PLAN**  
 NOT TO SCALE

FILE NAME =	USER NAME = EDT00A	DESIGNED - AMP	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>CONSTRUCTION DETAILS</b>				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\NORTHLAKE\948032DC107\Civil\det1.dwt		DRAWN - EDT	REVISED -		SCALE: N.T.S.	SHEET NO.	OF	SHEETS	STA. 10+00.00 TO STA. 24+922.22	10-00074-00-SW	COOK	22	13
		CHECKED - MEW	REVISED -										
		DATE - 02/08/11	REVISED -										
											CONTRACT NO. 63559		
											ILLINOIS FED. AID PROJECT		



\* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

**NOTES:**

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

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

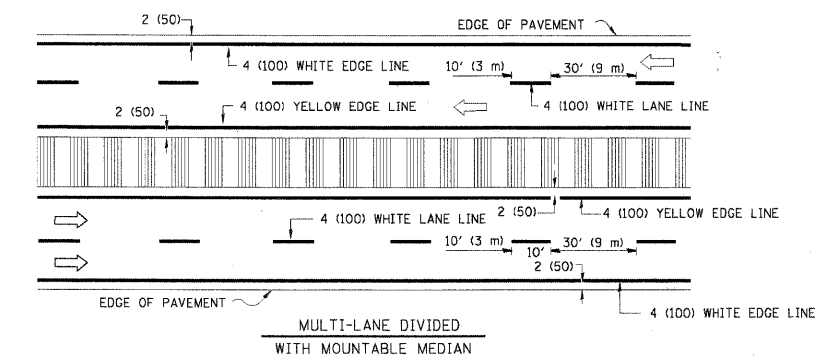
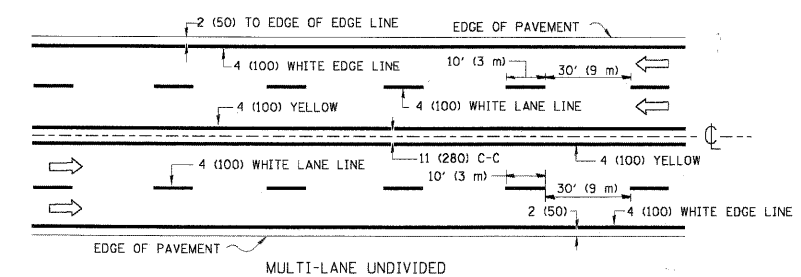
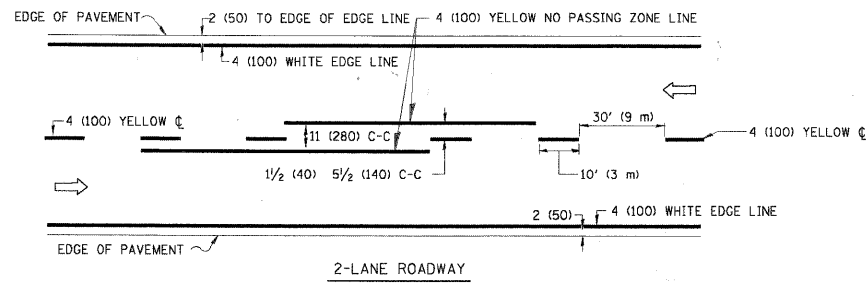
1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

1. MILL HMA FIRST IF THERE IS AT LEAST 4 1/2 INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

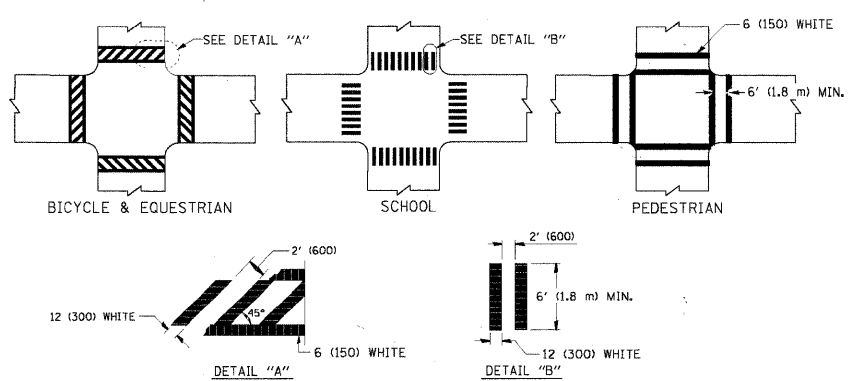
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME = c:\projects\diststd22x34\bd22.dgn	USER NAME = baward1	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT</b>			F.A. RTE. =	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED - R. BORO 01-01-07		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	10-00074-00-SW	COOK	22	14
		PLOT SCALE = 50.000' / IN.	REVISED - R. BORO 09-04-07					<b>BD400-04 (BD-22)</b>		CONTRACT NO. 63559		
		DATE = 10/27/2008	REVISED - K. ENG 10-27-08					FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

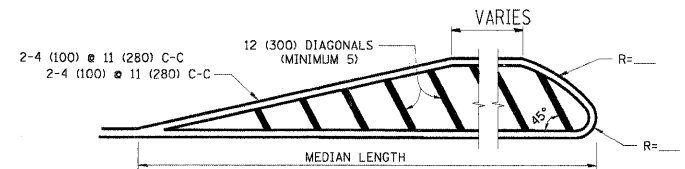
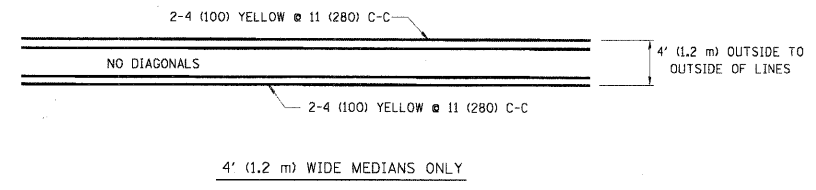


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

**TYPICAL LANE AND EDGE LINE MARKING**

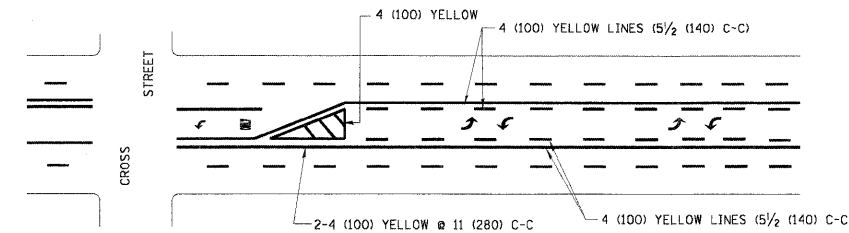


**TYPICAL CROSSWALK MARKING**

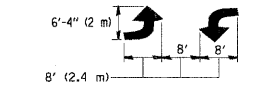


FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.  
 DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))  
 75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)  
 150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

**MEDIANS OVER 4' (1.2 m) WIDE**

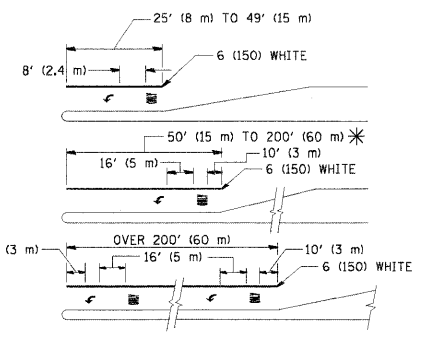


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



**TYPICAL PAINTED MEDIAN MARKING**

**TYPICAL PAINTED MEDIAN MARKING**

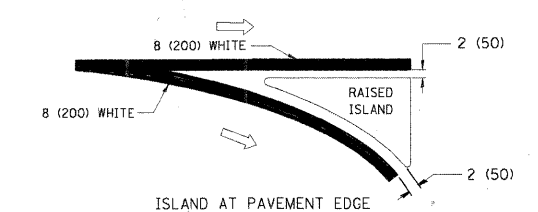
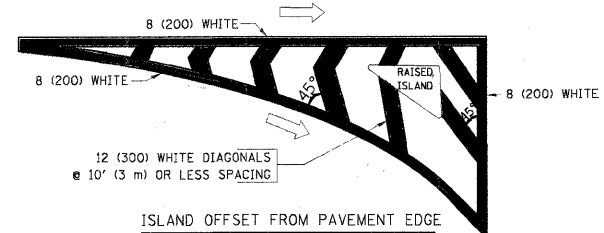


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.  
 \* AREA = 15.6 SQ. FT. (1.5 m<sup>2</sup>) ONLY AREA = 20.8 SQ. FT. (1.9 m<sup>2</sup>)

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

**TYPICAL LEFT (OR RIGHT) TURN LANE**

**TYPICAL TURN LANE MARKING**

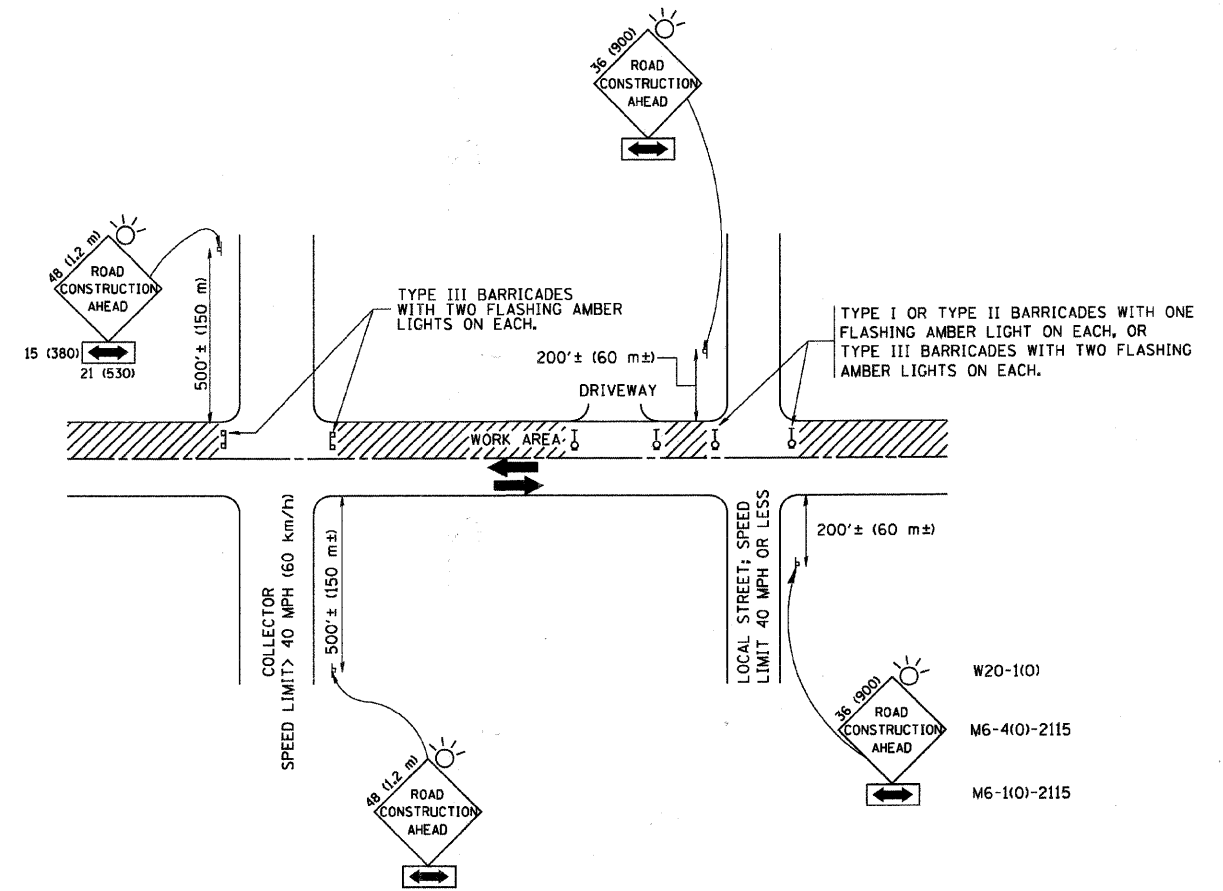


**TYPICAL ISLAND MARKING**

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT, OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW; TWO-WAY TRAFFIC WHITE; ONE-WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m <sup>2</sup> ) EACH "X"=54.0 SQ. FT. (5.0 m <sup>2</sup> )
SHOULDER DIAGONALS	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))

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

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



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

NOTES:

- A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS**
- 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:
    - 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.
    - 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.
  - SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
    - 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.
    - 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.
  - 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.

REVISIONS	
NAME	DATE
LHA	6/89
T. RAMMACHER	09/08/94
J. OBERLE	10/18/95
A. HOUSEH	03/06/96
A. HOUSEH	10/15/96
T. RAMMACHER	01/06/00

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 TRAFFIC CONTROL AND PROTECTION  
 FOR  
 SIDE ROADS, INTERSECTIONS, AND  
 DRIVEWAYS

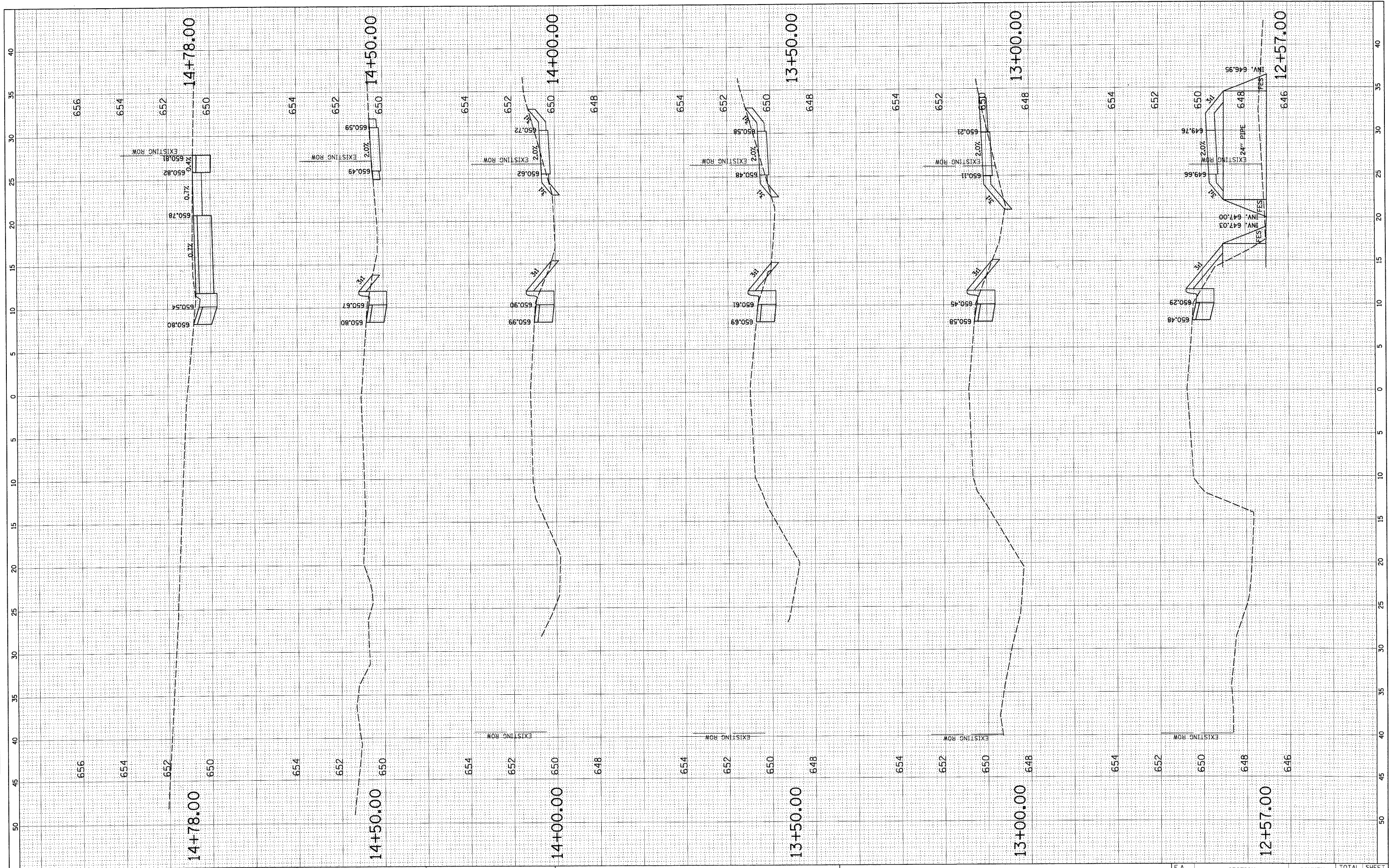
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PLOTTED	DATE
NOTE BOOK	NO.
AREAS CHECKED	

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SURVEYED	BY
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NOTE BOOK	NO.
AREAS CHECKED	



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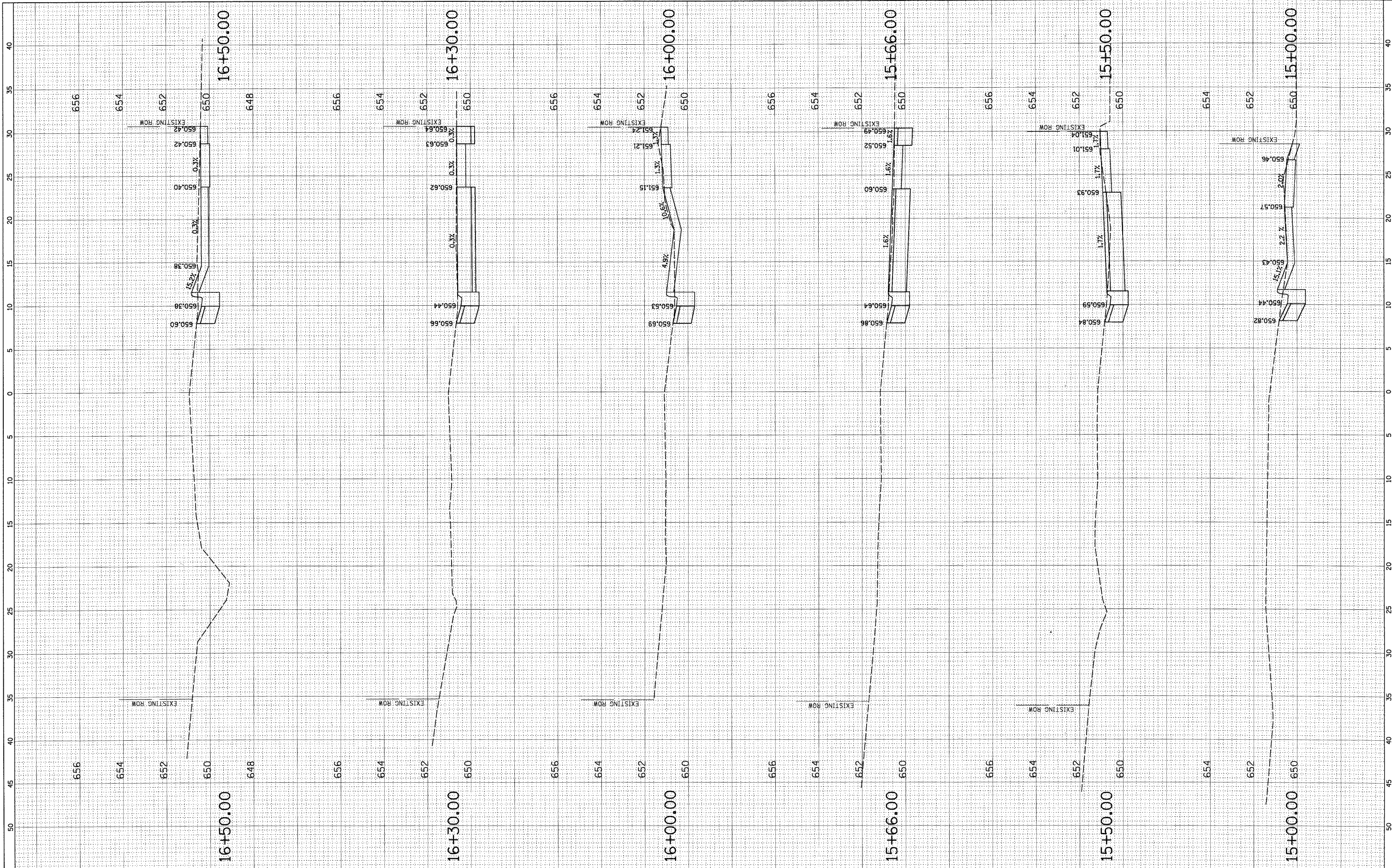
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 RHODES AVENUE AND DERROUGH AVENUE**  
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
---	10-00074-00-SW	COOK	22	18
CONTRACT NO. 63559 ILLINOIS FED. AID PROJECT				

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED	BY	DATE
	AREAS	BY	DATE
	AREAS	BY	DATE
	AREAS	BY	DATE
	AREAS	BY	DATE

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED	BY	DATE
	AREAS	BY	DATE
	AREAS	BY	DATE
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 CHECKED - MEW  
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

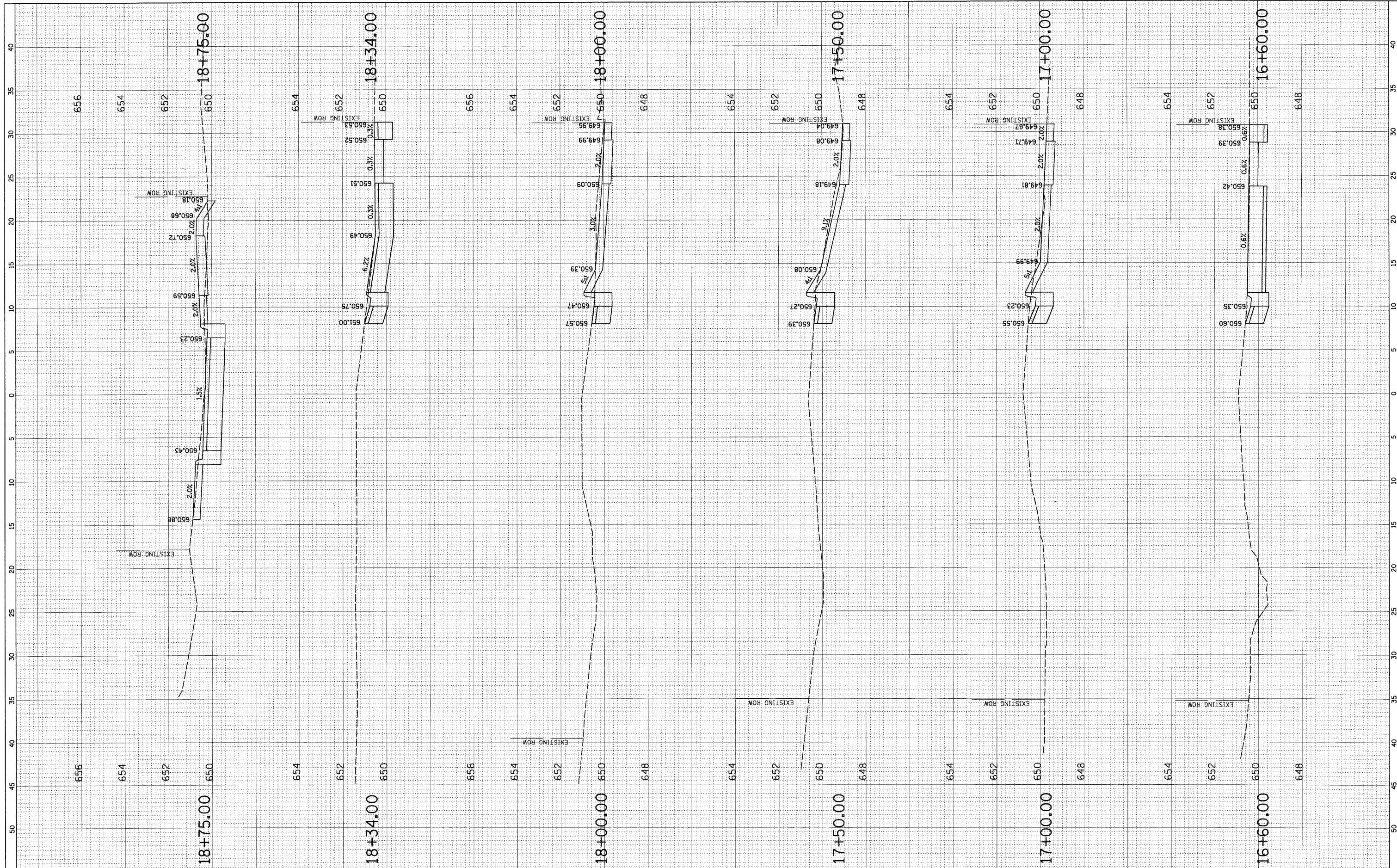
**CROSS SECTIONS  
 RHODES AVENUE AND DERROUGH AVENUE**

SCALE: SHEET NO. OF SHEETS STA. 10+00.00 TO STA. 24+92.22

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				CONTRACT NO. 63559
ILLINOIS FED. AID PROJECT				

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



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DRAWN - EDT	REVISD -
CHECKED - MEW	REVISD -
DATE - 02/08/11	REVISD -

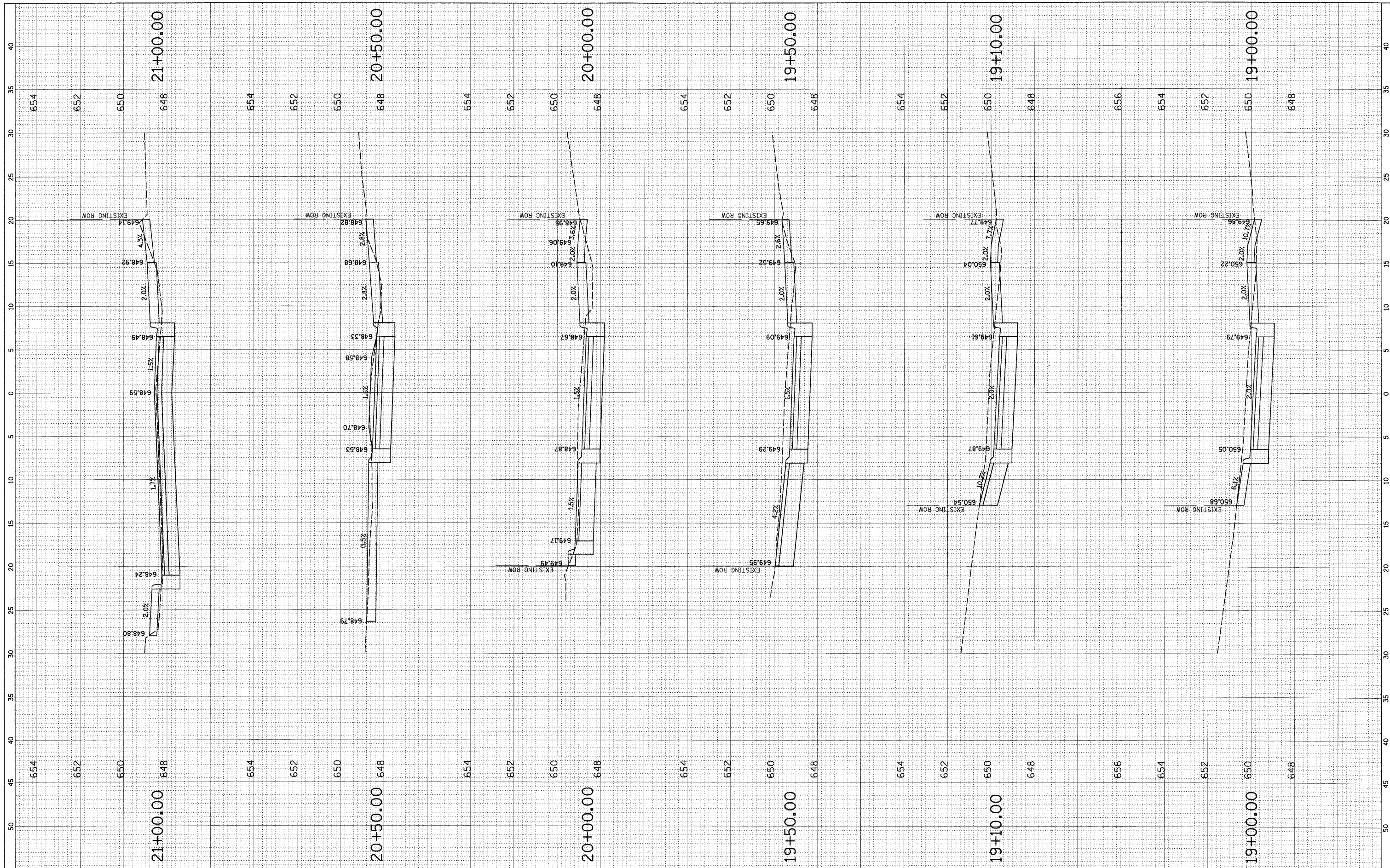
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>CROSS SECTIONS</b>			
<b>RHODES AVENUE AND DERROUGH AVENUE</b>			
SCALE:	SHEET NO.	OF SHEETS	STA. 10+00.00 TO STA. 24+92.22

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---	10-00074-00-SW	COOK	22	20
CONTRACT NO. 63559				
ILLINOIS FED. AID PROJECT				

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NOTE BOOK	TEMPERATURE	
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NOTE BOOK	TEMPERATURE	
NO.	AREAS CHECKED	



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 USER NAME = EDTODA

DESIGNED - AMP  
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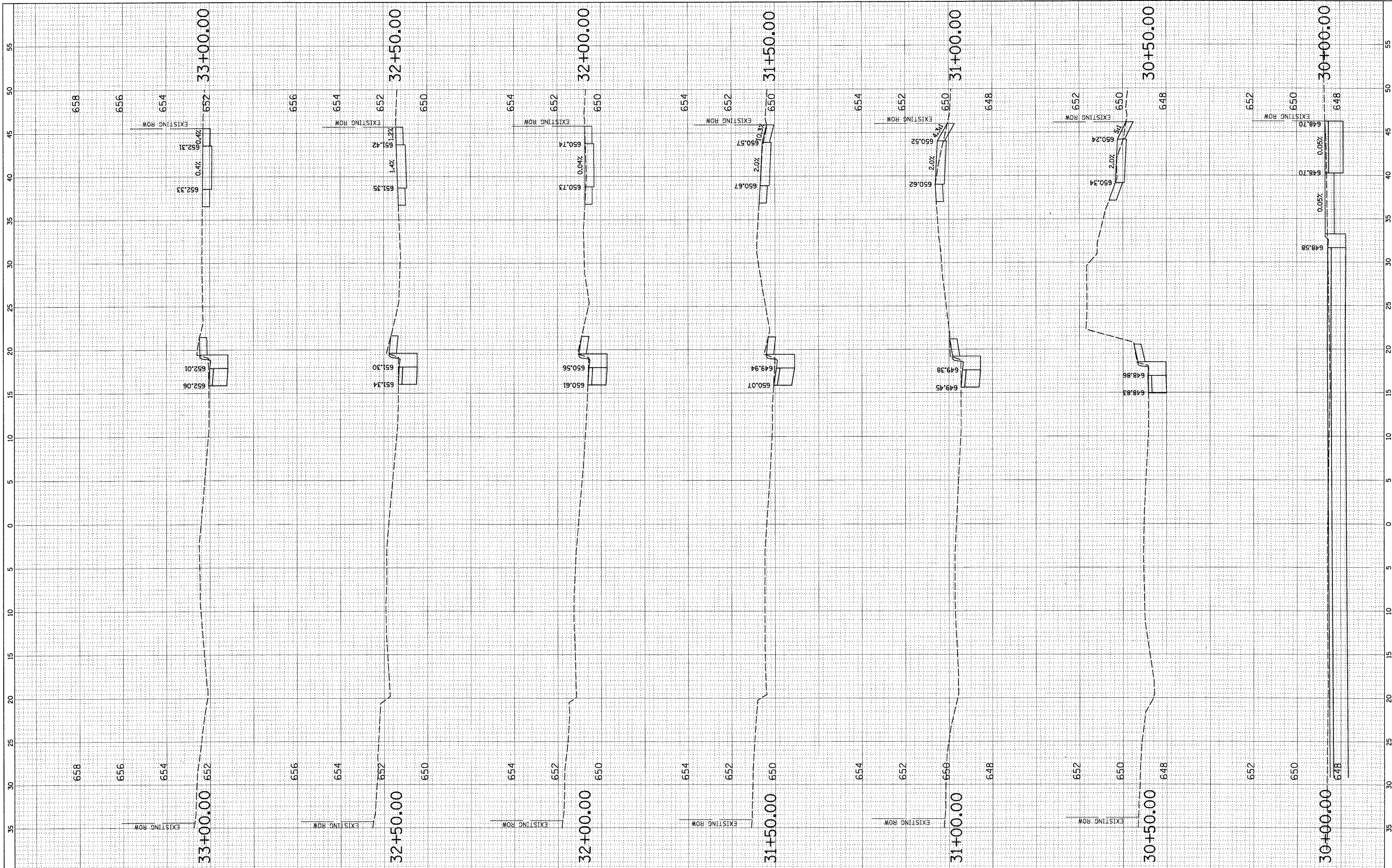
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**  
**RHODES AVENUE AND DERROUGH AVENUE**  
 SCALE: SHEET NO. OF SHEETS STA. 10+00.00 TO STA. 24+92.22

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
----	10-00074-00-SW	COOK	22	21
CONTRACT NO. 63559				
ILLINOIS FED. AID PROJECT				

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

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



FILE NAME =	USER NAME = EDT00A	DESIGNED - AMP	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTIONS DIVERSEY AVENUE</b>			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		CHECKED - MEW	REVISED -		STA. 10+00.00 TO STA. 24+92.22				CONTRACT NO. 63559			
		DATE - 02/08/11	REVISED -		ILLINOIS FED. AID PROJECT							