

03-06-2015 LETTING ITEM 171

FOR INDEX OF SHEETS, SEE SHEET NO. 2

FOR LIST OF HIGHWAY STANDARDS, SEE SHEET NO. 2

F.A.U. RTE.	SECTION	COUNTY	TOTAL	SHEET NO.
2644	13-00205-00-FP	COOK	53	1
			+ 5 = 58	
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLANS FOR PROPOSED
FEDERAL AID HIGHWAY

FAU 2644 (WALNUT AVENUE) OAKTON STREET TO THOMAS STREET
FAU 1272 (NICHOLS ROAD) KENNICOTT AVENUE TO ARLINGTON HEIGHTS ROAD

PAVEMENT RECONSTRUCTION

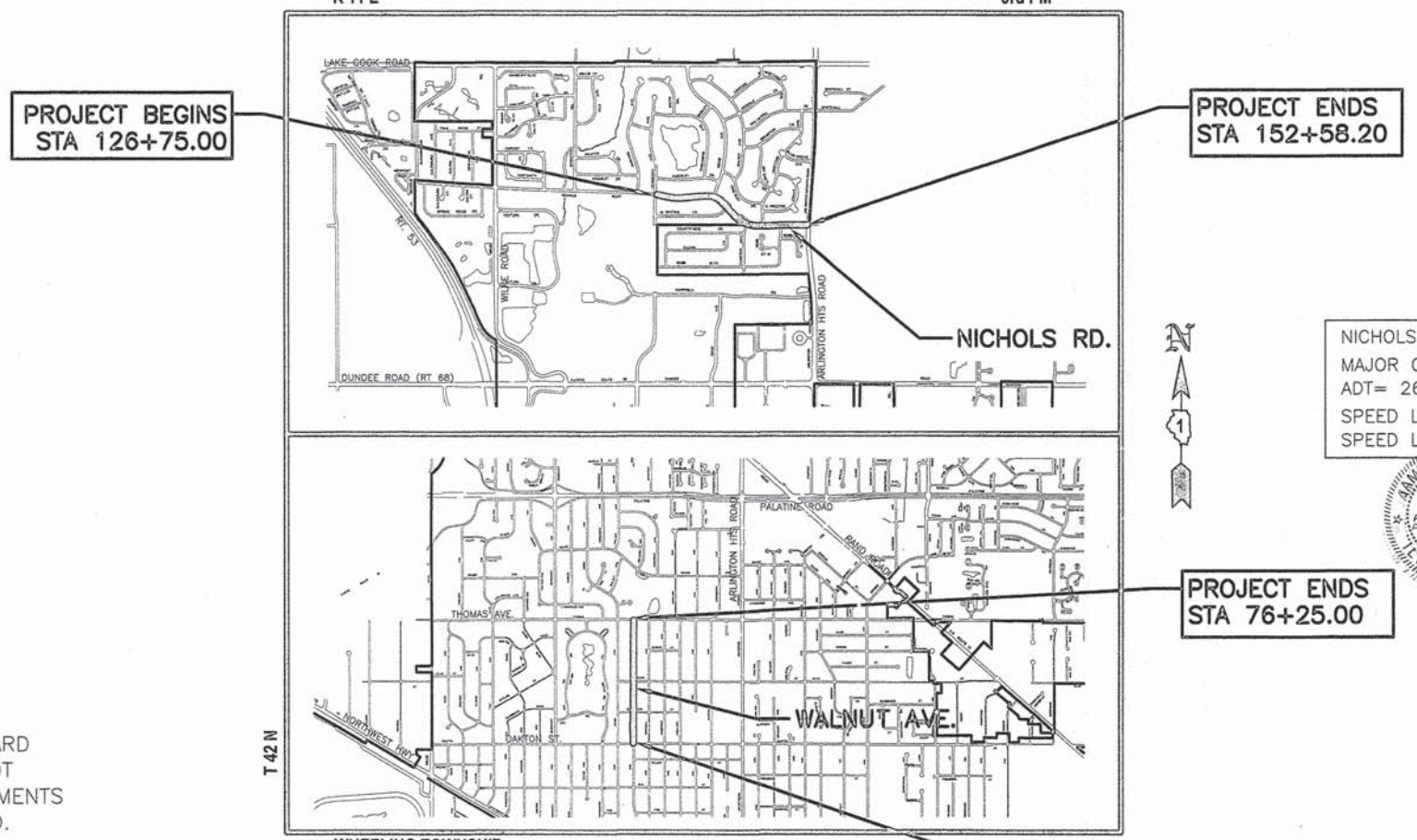
SECTION NO. 13-00205-00-FP

PROJECT NO. M-4003 (349)

VILLAGE OF ARLINGTON HEIGHTS

COOK COUNTY

JOB NO. C-91-366-14



PROJECT BEGINS
STA 126+75.00

PROJECT ENDS
STA 152+58.20

PROJECT ENDS
STA 76+25.00

PROJECT BEGINS
STA 50+13.60

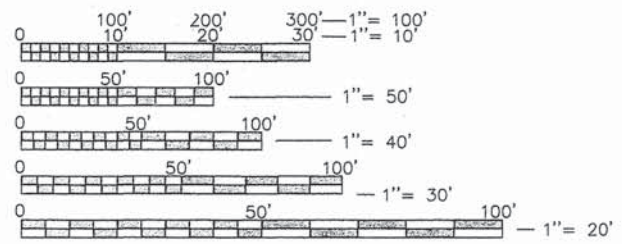
NICHOLS ROAD MAJOR COLLECTOR ADT= 2660 (2012) SPEED LIMIT (POSTED): 25/30 MPH SPEED LIMIT (DESIGN): 30 MPH	WALNUT AVE. MAJOR COLLECTOR ADT= 880 (2010) SPEED LIMIT (POSTED): 25/30 MPH SPEED LIMIT (DESIGN): 30 MPH
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

APPROVED 12/14, 2014
John J. Manelli
VILLAGE OF ARLINGTON HEIGHTS, DIRECTOR OF ENGINEERING

PASSED DECEMBER 22, 2014
Christopher Holt
DISTRICT 1 ENGINEER OF LOCAL ROADS & STREETS

Releasing for Bid
Based on Limited
Review December 22, 2014
John Ford
DEPUTY DIRECTOR OF HIGHWAYS, REGION 1 ENGINEER



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

LOCATION MAPS
NOT TO SCALE

GROSS LENGTH OF IMPROVEMENT = 5317 FEET = 1.01 MILES
NET LENGTH OF IMPROVEMENT = 5317 FEET = 1.01 MILES
TOWNSHIP 42 N RANGE 11 E WHEELING TOWNSHIP

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

FEDERAL AID PROGRAM ENGINEER: FAWAD AQUEEL, P.E. (847) 705-4021 SCHAMBURG, IL
PROJECT ENGINEER: BRIGET SCHWAB, P.E. (847) 368-5250 ARLINGTON HEIGHTS, IL

CONTRACT NO. 61A97

INDEX OF SHEETS

Sheet Number	Sheet Title
1	TITLE SHEET
2	INDEX OF SHEETS - HIGHWAY STANDARDS
3	GENERAL NOTES
4	SUMMARY OF QUANTITIES
5	TYPICAL SECTIONS
6	EARTHWORK SCHEDULE
7	WALNUT AVE - ALIGNMENT, TIES AND BENCHMARKS
8	NICHOLS RD - ALIGNMENT, TIES AND BENCHMARKS
9	WALNUT AVE - BEGIN-54+00
10	WALNUT AVE - 54+00-58+00
11	WALNUT AVE - 58+00-62+00
12	WALNUT AVE - 62+00-66+00
13	WALNUT AVE - 66+00-70+00
14	WALNUT AVE - 70+00-74+00
15	WALNUT AVE - 74+00-END
16	NICHOLS RD - 124+50-128+50
17	NICHOLS RD - 128+50-132+50
18	NICHOLS RD - 132+50-135+50
19	NICHOLS RD - 135+50-138+50
20	NICHOLS RD - 138+50-142+00
21	NICHOLS RD - 142+00-144+50
22	NICHOLS RD - 144+50-149+00
23	NICHOLS RD - 149+00-153+00
24	WALNUT AVE - WALNUT TRAFFIC CONTROL
25	NICHOLS RD - DETOUR STAGE 1
26	NICHOLS RD - DETOUR STAGE 2
27	WALNUT AVE - EROSION CONTROL - STRIPING
28	NICHOLS RD - EROSION CONTROL - STRIPING
29	TRAFFIC SIGNAL PLAN - FOR INFORMATION ONLY
30	TRAFFIC SIGNAL CABLE PLAN - FOR INFORMATION ONLY
31-31E	DETAIL SHEET
32	WALNUT AVE - CROSS SECTIONS 1
33	WALNUT AVE - CROSS SECTIONS 2
34	WALNUT AVE - CROSS SECTIONS 3
35	WALNUT AVE - CROSS SECTIONS 4
36	WALNUT AVE - CROSS SECTIONS 5
37	WALNUT AVE - CROSS SECTIONS 6
38	WALNUT AVE - CROSS SECTIONS 7
39	WALNUT AVE - CROSS SECTIONS 8
40	WALNUT AVE - CROSS SECTIONS 9
41	WALNUT AVE - CROSS SECTIONS 10
42	NICHOLS RD - CROSS SECTIONS 1
43	NICHOLS RD - CROSS SECTIONS 2
44	NICHOLS RD - CROSS SECTIONS 3
45	NICHOLS RD - CROSS SECTIONS 4
46	NICHOLS RD - CROSS SECTIONS 5
47	NICHOLS RD - CROSS SECTIONS 6
48	NICHOLS RD - CROSS SECTIONS 7
49	NICHOLS RD - CROSS SECTIONS 8
50	NICHOLS RD - CROSS SECTIONS 9
51	NICHOLS RD - CROSS SECTIONS 10
52	NICHOLS RD - CROSS SECTIONS 11
53	NICHOLS RD - CROSS SECTIONS 12

HIGHWAY STANDARDS

000001-06	STANDARD SYMBOLS, ABBREVIATION, & PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
424001-08	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424006-02	DIAGONAL CURB RAMPS FOR SIDEWALKS
424011-02	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
424016-02	MID-BLOCK CURB RAMPS FOR SIDEWALKS
424021-03	DEPRESSED CORNER FOR SIDEWALKS
602001-02	CATCH BASIN TYPE A
602301-04	INLET TYPE A
606001-06	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701801-05	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-04	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS

DISTRICT ONE DETAILS

TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
TC-13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
TC-16	PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING
BD-7	DETAIL OF STORM SEWER CONNECTION TO EXISTING SEWER
BD-32	BUTT JOINT AND HMA TAPER DETAILS

DATE	
BY	
DESIGNED	
CHECKED	
IN CHARGE	
STRUCTURE NOTATIONS CH/MD	
PLAN	
NOTE BOOK NO.	

DATE	
BY	
DESIGNED	
CHECKED	
IN CHARGE	
STRUCTURE NOTATIONS CH/MD	
PROFILE	
NOTE BOOK NO.	

Road and Reconstruction SPT

FILE NAME = 2014 STP Legend-Benchmark.dwg	USER NAME = chomuth	DESIGNED - BS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS AND HIGHWAY STANDARDS	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	LAYOUT NAME = ANSI Expand D	DRAWN - CH	REVISED -			2644	13-00205-00-FP	COOK	53	2
	PLOT SCALE = 20.00' / IN.	CHECKED - JM	REVISED -			SCALE: VERT. N/A SHEET NO. 2 OF 53 SHEETS		CONTRACT NO. 61A97		
	PLOT DATE = Dec 12, 2014-3:01am	DATE - 06/19/2014	REVISED -			FED ROAD DIST NO. 1 ILLINOIS FED. AID PROJECT				

GENERAL NOTES

ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", ADOPTED JANUARY 1, 2012; THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", ADOPTED JANUARY 1, 2015; THE LATEST EDITION OF THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREET AND HIGHWAYS" (MUTCD); THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS; THE "STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS"; AND THE "MANUAL OF TEST PROCEDURES FOR MATERIALS".

ANY REFERENCE TO "STANDARDS" THROUGHOUT THE PLANS OR SPECIAL PROVISIONS SHALL BE INTERPRETED AS THE LATEST IDOT STANDARDS.

THE THICKNESSES OF HMA MIXTURES SHOWN ON THE PLANS ARE NOMINAL, DEVIATIONS MAY OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE COURSE UPON WHICH THE HMA MATERIALS ARE PLACED.

THE CONTRACTOR SHALL NOTIFY THE ENGINEER (847) 368-5250 72 HOURS PRIOR TO THE COMMENCEMENT OF WORK.

THE CONTRACTOR SHALL NOTIFY AS NECESSARY, ALL TESTING AGENCIES SUFFICIENTLY IN ADVANCE OF CONSTRUCTION. FAILURE OF THE CONTRACTOR TO ALLOW PROPER NOTIFICATION TIME WHICH RESULTS IN TESTING COMPANIES BEING UNABLE TO VISIT THE SITE AND PERFORM TESTING WILL CAUSE THE CONTRACTOR TO SUSPEND OPERATIONS TO BE TESTED UNTIL TESTING AGENCY CAN SCHEDULE TESTING OPERATIONS. COSTS OF SUSPENSION OF WORK WILL BE ABSORBED BY THE CONTRACTOR.

ALL ELEVATIONS SHOWN ON THESE PLANS ARE ON USGS DATUM.

WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER, AND AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.

THE CONTRACTOR'S ATTENTION IS CALLED TO THE FACT THAT SOME QUANTITIES ARE GIVEN IN BOTH SUMMARY FORM AND ON THE PLAN SHEETS. CARE SHOULD BE TAKEN TO AVOID DUPLICATION OF QUANTITIES.

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

PAY ITEMS IN THE SUMMARY OF QUANTITIES HAVE BEEN ESTIMATED. IF, IN THE ENGINEER'S OPINION, THE WORK IS NOT REQUIRED, THE ITEM WILL BE DEDUCTED FROM THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED. PAYMENT WILL BE MADE ONLY FOR THE ACTUAL WORK COMPLETED.

ALL UNBALLASTED TYPE I AND TYPE II BARRICADES SHALL HAVE TWO SANDBAGS ON THE BOTTOM RAIL.

CONSTRUCTION ACTIVITIES MAY OCCUR BETWEEN 7:00AM AND 5:00PM MONDAY THROUGH FRIDAY AND 8:00AM TO 5:00PM ON SATURDAYS. CONSTRUCTION ACTIVITIES ON SUNDAY ARE PROHIBITED. NO WORK WILL BE PERFORMED ON HOLIDAYS OBSERVED IN ILLINOIS. CONSTRUCTION ACTIVITIES ARE IDENTIFIED AS THE OPERATION OF HEAVY EQUIPMENT, INCLUDING BUT NOT LIMITED TO THE WARMING UP OF ANY PIECE OF EQUIPMENT OR TURNING ON ENGINES.

MATERIALS RESULTING FROM THE REMOVAL OF PAVEMENT, DRIVEWAYS, HMA SURFACE, ETC. SHALL BE REMOVED AT THE END OF EACH DAY TO AN APPROVED SITE. IN THE JUDGMENT OF THE VILLAGE, SHOULD IT BE NECESSARY TO REMOVE SUCH MATERIALS, THE VILLAGE WILL HAVE THE MATERIAL REMOVED AND THE CONTRACTOR WILL BE CHARGED ACCORDINGLY.

MATERIAL AND EQUIPMENT MUST BE STORED IN AN AREA APPROVED BY THE ENGINEER.

ADDITIONAL AREAS USED FOR STORAGE MUST BE REVIEWED BY THE ENGINEER PRIOR TO USE. ALL AREAS USED SHALL BE RESTORED TO ORIGINAL CONDITION AND TO THE SATISFACTION OF THE ENGINEER.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE OR DESTRUCTION OF PUBLIC OR PRIVATE PROPERTY IN ACCORDANCE WITH THE SPECIAL PROVISIONS AND ARTICLE 107.20 OF THE "STANDARD SPECIFICATION", AND SHALL RESTORE SUCH PROPERTY AT HIS OWN EXPENSE.

THE LOCATIONS OF PUBLIC OR PRIVATE UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE AND THE VILLAGE DOES NOT GUARANTEE THEIR ACCURACY, THE CONTRACTOR SHALL HAVE THE RESPECTIVE UTILITY COMPANIES FIELD LOCATE ALL THEIR FACILITIES PRIOR TO BEGINNING CONSTRUCTION. THE CONTRACTOR SHALL ALSO VERIFY THE DEPTHS OF THE EXISTING UTILITIES IF NECESSARY, ANY RELOCATION OR LOWERING OF UTILITIES SHALL BE COORDINATED BY THE CONTRACTOR.

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 AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE VILLAGE ENGINEER.

COORDINATION OF ALL UTILITY WORK INVOLVED IN THE CONSTRUCTION AREA WILL BE DISCUSSED AT A PRE-CONSTRUCTION CONFERENCE. THE CONTRACTOR SHALL USE ALL NECESSARY PRECAUTIONS AND PROTECTIVE MEASURES REQUIRED TO MAINTAIN EXISTING UTILITIES, SEWERS, AND APPURTENANCES THAT MUST BE KEPT IN OPERATION. IN PARTICULAR, THE CONTRACTOR WILL TAKE ADEQUATE MEASURES TO PREVENT UNDERMINING OF UTILITIES AND SEWERS WHICH ARE STILL IN SERVICE.

BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 1-800-892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, GAS AND CABLE TELEVISION FACILITIES IN ACCORDANCE WITH STATE LAW.

48 HOURS BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CONTACT THE ARLINGTON HEIGHTS PUBLIC WORKS DEPARTMENT AT (847) 368-5800.

EMERGENCY VEHICLE ACCESS MUST BE MAINTAINED DURING CONSTRUCTION.

WHEN DIRECTED BY THE ENGINEER, SUPPLEMENTAL WATERING SHALL BE APPLIED TO ALL SODDED AREAS PRIOR TO FINAL ACCEPTANCE AT A RATE SPECIFIED BY THE ENGINEER AND IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS" AND SPECIAL PROVISIONS.

ALL EXISTING GRASS AREAS DISTURBED BY THE CONSTRUCTION OPERATIONS SHALL BE SODDED AS DIRECTED BY THE ENGINEER. FOR SEDIMENT AND EROSION CONTROL PURPOSES, ALL AREAS FOR MUST BE STABILIZED WITH SOD WITHIN 14 DAYS OF LAST DISTURBANCE.

EXCAVATION, SURPLUS, AND WASTE MATERIALS RESULTING FROM SODDING OPERATIONS SHALL BE IMMEDIATELY LOADED AND HAULED AWAY AND SHALL NOT BE STORED IN THE STREET OR PARKWAY AREA. HAULING AWAY AND DISPOSAL OF THIS MATERIAL SHALL BE INCLUDED UNDER THE CONTRACT UNIT PRICE FOR SODDING.

FOR ALL EXCAVATED AREAS THE SUBGRADE SHALL BE PREPARED ACCORDING TO SECTION 301 AND SHALL BE INCLUDED UNDER THE CONTRACT UNIT PRICE FOR EARTH EXCAVATION BEFORE REMOVAL OF ANY UNSUITABLE MATERIAL.

PROOF ROLLS SHALL BE CONDUCTED ON ALL SUBGRADE AT INTERVALS NOT LESS THAN 500 FEET OR AS DIRECTED BY THE ENGINEER.

AGGREGATE SUBGRADE IMPROVEMENT HAS BEEN PROVIDED FOR SOILS WHICH TEND TO BE UNSUITABLE WHEN WET. THE ACTUAL NEED OR REMOVAL AND REPLACEMENT WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE ENGINEER (BY USE OF A CONE PENETROMETER IN CONJUNCTION WITH THE IDOT STABILITY MANUAL AND PROOF ROLLS). NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR FOR ANY ADDITIONS OR DEDUCTIONS FROM THE CONTRACT AMOUNT. IF NO ADDITIONAL UNSUITABLE SOILS ARE ENCOUNTERED, THEN THE EXCESS QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.

EXISTING PAVEMENT, DRIVEWAY AND SIDEWALK TO REMAIN SHALL BE SAWCUT FULL DEPTH TO PROVIDE A NEAT VERTICAL FACE BETWEEN THE PROPOSED AND EXISTING AND SHALL BE INCLUDED IN THE PRICE OF THE APPROPRIATE REMOVAL ITEM.

ALL CURB SHALL BE DEPRESSED AT DRIVEWAYS.

THE CONTRACTOR SHALL EXAMINE ALL PLANS AND SPECIFICATIONS, VISIT THE SITE OF THE WORK AND INFORM HIMSELF FULLY WITH THE WORK INVOLVED, GENERAL AND LOCAL CONDITIONS, ALL FEDERAL, STATE, AND LOCAL LAWS, ORDINANCES, RULES AND REGULATIONS AND ALL PERTINENT ITEMS WHICH MAY AFFECT THE COST AND TIME OF COMPLETION OF THIS PROJECT BEFORE SUBMITTING A PROPOSAL.

THE CONTRACTOR SHALL TAKE APPROPRIATE MEASURES TO CONTROL EROSION THROUGHOUT THE ENTIRE PROJECT. REFERENCE SHOULD BE MADE TO "PROCEDURES AND STANDARDS FOR URBAN SOIL EROSION AND SEDIMENTATION CONTROL" PUBLISHED BY THE NORTHEASTERN ILLINOIS SOIL EROSION AND SEDIMENTATION CONTROL STEERING COMMITTEE. FOR APPROPRIATE EROSION CONTROL MEASURES, THIS ITEM SHALL BE INCLUDED IN THE COST OF THE CONTRACT.

THE CONTRACTOR SHALL TAKE APPROPRIATE MEASURES TO CONTROL DUST AT ALL TIMES ALONG THE ENTIRE PROJECT BY MEANS SUCH AS MECHANICAL SWEEPER, WATER TRUCK, OR AS DIRECTED BY THE ENGINEER. THIS ITEM SHALL BE INCLUDED IN THE COST OF THE CONTRACT.

THE CONTRACTOR SHALL CAREFULLY REMOVE AND RE-ERECT ALL SIGNS, POLES AND MAIL BOXES INTERFERING WITH CONSTRUCTION ACTIVITIES. THIS WORK WILL BE INCIDENTAL TO THE CONTRACT WHICH SHALL INCLUDE ALL MATERIAL, LABOR AND EQUIPMENT NEEDED TO COMPLETE THESE OPERATIONS SPECIFIED HEREIN. ANY SIGNS NOT USED RE-ERECTED SHALL REMAIN PROPERTY OF THE VILLAGE OF ARLINGTON HEIGHTS.

THE CONTRACTOR SHALL PROTECT ALL SIDEWALKS AND CURB AND GUTTER FROM DAMAGE AND VANDALISM.

THE CONTRACTOR SHALL MAINTAIN ALL DRAINAGE FACILITIES DURING CONSTRUCTION AND SHALL REPAIR ANY DRAINAGE FACILITIES DAMAGED DURING CONSTRUCTION. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE COST OF THE CONTRACT AND WILL NOT BE PAID FOR SEPARATELY.

THE CONTRACTOR SHALL VERIFY THE ELEVATION, LOCATION, AND SIZE OF THE EXISTING SEWERS PRIOR TO ANY WORK TAKING PLACE.

CARE IS TO BE TAKEN AS NOT TO DAMAGE ANY OF THE EXISTING TRAFFIC SIGNAL CONDUITS, FIBER CABLES AND EQUIPMENT. IF ANY OF THE OTHER TRAFFIC SIGNAL CONDUITS, CABLES AND/OR EQUIPMENT IS DAMAGED, THE CONTRACTOR SHALL REPAIR AND/OR REPLACE THE CONDUITS, CABLES AND/OR EQUIPMENT AT NOT COST TO THE COUNTY.

COOK COUNTY IS NOT PART OF JULIE FOR LOCATION OF TRAFFIC SIGNAL EQUIPMENT, CONTACT THE MECHANICAL, ELECTRICAL, ARCHITECTURAL AND LANDSCAPING DIVISION AT 312-603-1730.

FOR THE LOCATION OF UNDERGROUND COUNTY MAINTAINED FACILITIES, SEE COUNTY SPECIAL PROVISION "TRAFFIC SIGNAL WORK GENERAL"

TRAFFIC CONTROL DEVICES FOR DETOUR ROUTES WILL NOT BE PAID FOR SEPARATELY, BUT IT IS INCLUDED TO THE PAY ITEM "TRAFFIC CONTROL & PROTECTION."

THE NORTH BOUND LEFT TURN SECTIONS SHALL BE BAGGED AND DEACTIVATED UNDER CONSTRUCTION STAGES WHEN DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT IT IS INCLUDED TO THE PAY ITEM "TRAFFIC CONTROL & PROTECTION."

PLAN	DATE	BY
	DATE	BY
NOTE BOOK NO.	GRADES CHECKED	STRUCTURE NOTATIONS CHRD
	GRADES CHECKED	STRUCTURE NOTATIONS CHRD

PROFILE	DATE	BY
	DATE	BY
NOTE BOOK NO.	GRADES CHECKED	STRUCTURE NOTATIONS CHRD
	GRADES CHECKED	STRUCTURE NOTATIONS CHRD

RECEIVED
BUREAU OF
JAN 12 2015
LOCAL ROADS & STREETS

FILE NAME = 2014 STP General Notes.dwg	USER NAME = chomuth	DESIGNED - BS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	LAYOUT NAME = ANSI Expand D	DRAWN - CH	REVISED -			2644	13-00205-00-FP	COOK	53	3
	PLOT SCALE = 20.00' / IN.	CHECKED - JM	REVISED -					CONTRACT NO. 61A97		
	PLOT DATE = Jan 12, 2015-11:42am	DATE - 06/19/2014	REVISED -			SCALE: VERT. N/A	SHEET NO. 3 OF 53 SHEETS	FED ROAD DIST NO. 1 ILLINOIS FED. AID PROJECT		

SUMMARY OF QUANTITIES

SI	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
					0004	0021	0031	0042
					RECONSTRUCTION NO CAPACITY ADDED	SAFETY	LANDSCAPING	TRAINEES
	20200100	EARTH EXCAVATION	CU YD	2121	2121			
	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	1032	1032			
	21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	6192	6192			
	21101600	TOPSOIL FURNISH AND PLACE, VARIABLE DEPTH	SQ YD	7650			7650	
	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	95			95	
	25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	95			95	
	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	95			95	
	25200110	SODDING, SALT TOLERANT	SQ YD	7650			7650	
	25200200	SUPPLEMENTAL WATERING	UNIT	15			15	
	28000510	INLET FILTERS	EACH	39			39	
	30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	1032	1032			
	31101180	SUBBASE GRANULAR MATERIAL, TYPE B 2"	SQ YD	20341	20341			
	31101400	SUBBASE GRANULAR MATERIAL, TYPE B 6"	SQ YD	21778	21778			
	40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	2038	2038			
	40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	6277	6277			
	40603335	HOT-MIX ASPHALT SURFACE COURSE, MX "D", N50	TON	2283	2283			
	40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	300	300			
	42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	2266	2266			
	42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	15750		15750		
	42400300	PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH	SQ FT	2325		2325		
	42400800	DETECTABLE WARNINGS	SQ FT	768		768		
	44000100	PAVEMENT REMOVAL	SQ YD	20378	20378			
	44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	2266	2266			
	44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	10570	10570			

* INDICATES SPECIALTY ITEM (S)

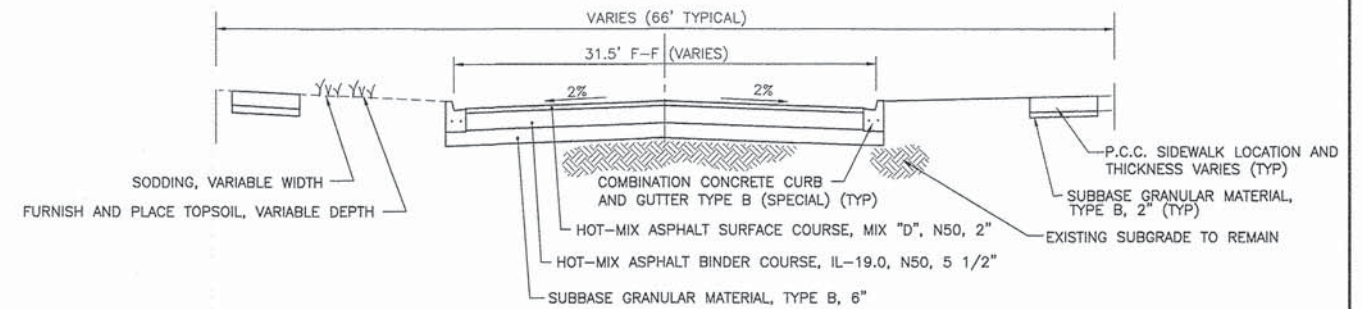
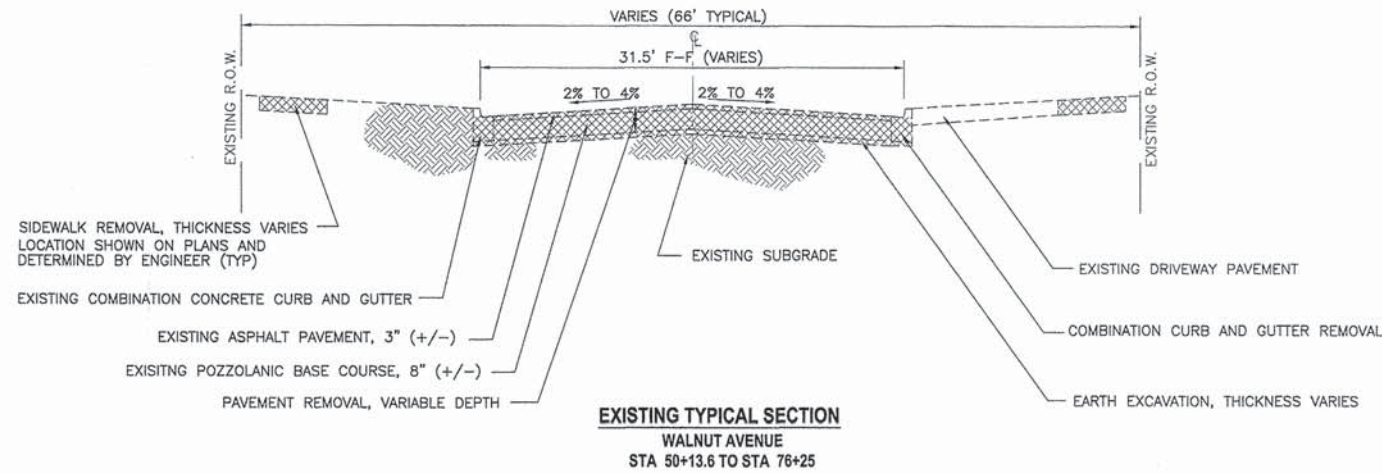
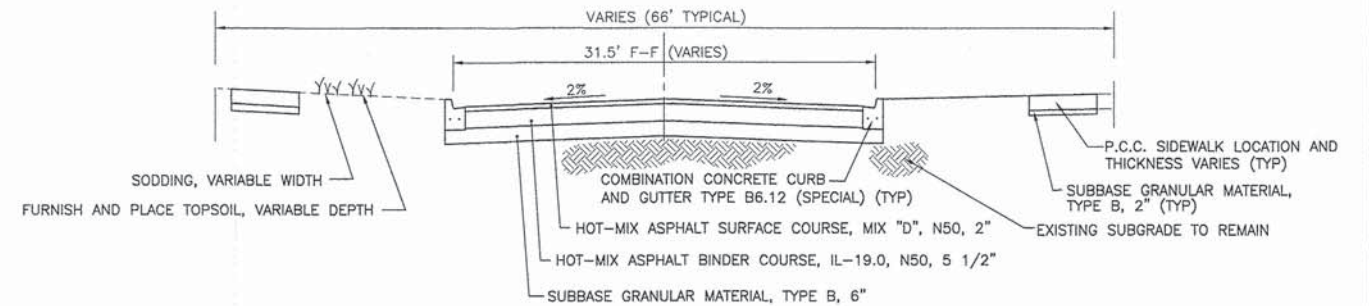
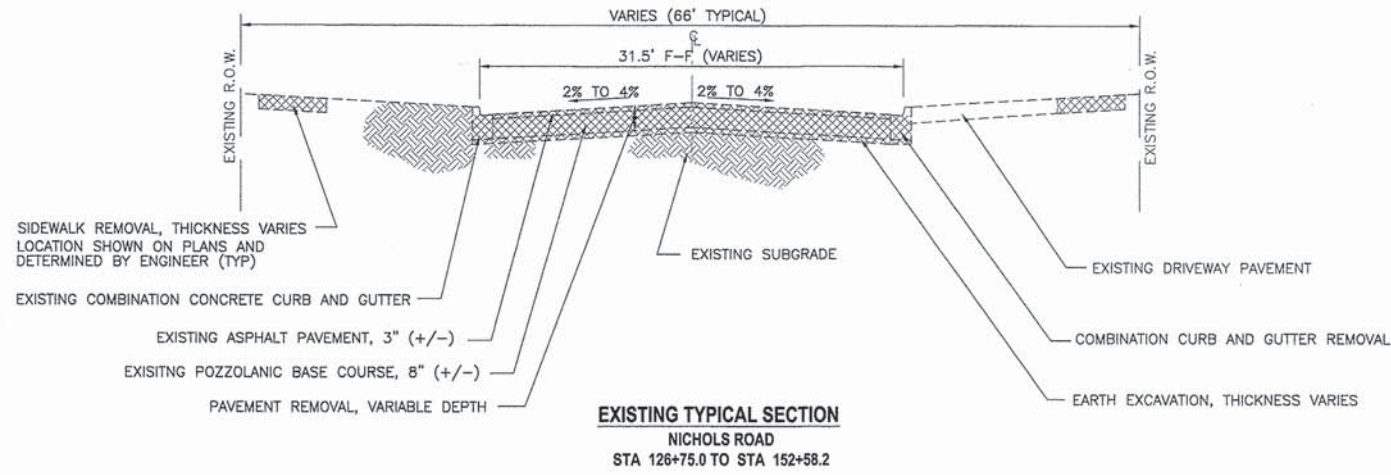
SI	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
					0004	0021	0031	0042
					RECONSTRUCTION NO CAPACITY ADDED	SAFETY	LANDSCAPING	TRAINEES
	44000600	SIDEWALK REMOVAL	SQ FT	18150		18150		
	60108200	PIPE UNDERDRAINS 6" (SPECIAL)	FOOT	450	450			
	60202405	CATCH BASINS, TYPE A, 4'-DIAMETER	EACH	2	2			
	60238800	INLETS, TYPE A	EACH	7	7			
	60250200	CATCH BASINS TO BE ADJUSTED	EACH	13	13			
	60252800	CATCH BASINS TO BE RECONSTRUCTED	EACH	10	10			
	60255500	MANHOLES TO BE ADJUSTED	EACH	16	16			
	60260100	INLETS TO BE ADJUSTED	EACH	7	7			
	60265700	VALVE VAULTS TO BE ADJUSTED	EACH	11	11			
	60500050	REMOVING CATCH BASINS	EACH	2	2			
	60500060	REMOVING INLETS	EACH	7	7			
	67100100	MOBILIZATION	L SUM	1	1			
*	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	223		223		
*	85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1		1		
*	88600700	PREFORMED DETECTOR LOOP	FOOT	200		200		
	Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1			
	Z0076600	TRAINEES	HOUR	500				500
	Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	500				500
	X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	20		20		
	X4023000	TEMPORARY ACCESS (ROAD)	EACH	13		13		
	X6061700	COMBINATION CONCRETE CURB AND GUTTER, TYPE B (SPECIAL)	FOOT	5276	5276			
	X6064200	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (SPECIAL)	FOOT	5294	5294			
	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1		1		

PLAN SURVEYED BY DATE
GRADES CHECKED
E.M. NOTED
STRUCTURE NOTATYS CHFD

PROFILE SURVEYED BY DATE
GRADES CHECKED
E.M. NOTED
STRUCTURE NOTATYS CHFD

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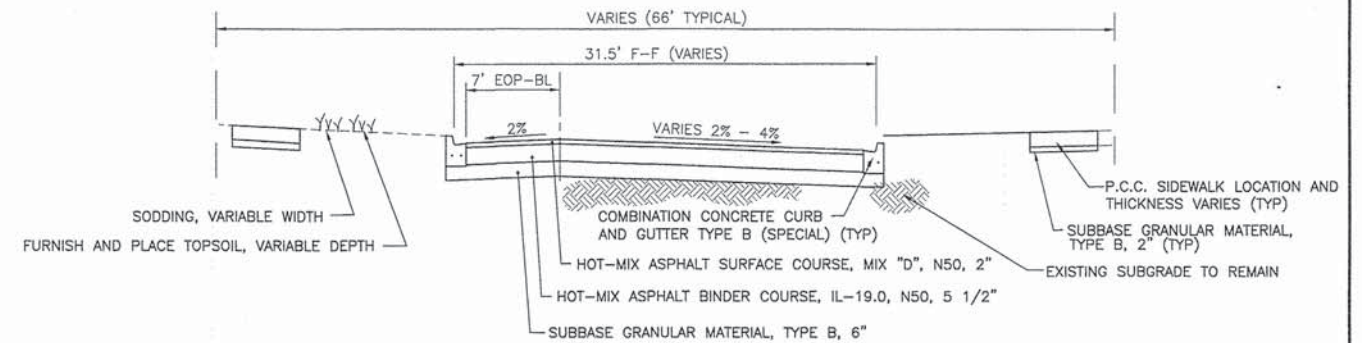
PAVEMENT DESIGN	
NICHOLS ROAD	
ADT (2034)	2959
PV	2917
SU	39
MU	3
SUGRADE SUPPORT RATING	POOR
FLEXIBLE TRAFFIC FACTOR	0.50
SELECTED DESIGN PG BINDER	PG 64-22
DESIGN PAVEMENT HMA TEMP.	74 F
DESIGN HMA MODULOUS (EAC)	740 KSI
DESIGN HMA MICROSTRAIN	147
MINIMUM PAVEMENT THICKNESS	7"
DESIGN PAVEMENT THICKNESS	7.5"
SUBGRADE	6"
WALNUT AVENUE	
ADT (2034)	844
PV	834
SU	10
MU	0
SUGRADE SUPPORT RATING	POOR
FLEXIBLE TRAFFIC FACTOR	0.50
SELECTED DESIGN PG BINDER	PG 64-22
DESIGN PAVEMENT HMA TEMP.	74 F
DESIGN HMA MODULOUS (EAC)	740 KSI
DESIGN HMA MICROSTRAIN	147
MINIMUM PAVEMENT THICKNESS	7"
DESIGN PAVEMENT THICKNESS	7.5"
SUBGRADE	6"

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		
MIXTURE TYPE		AIR VOIDS
FULL DEPTH PAVEMENT		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm); 2"		4% @ 50 GYR
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 5 1/2" (2 LIFTS)		4% @ 50 GYR
DRIVEWAYS		
HOT-MIX SURFACE COURSE, MIX "D", N50 (IL 9.5 mm); 2"- DRIVEWAY		4% @ 50 GYR
HOT-MIX BASE COURSE (HMA BINDER IL-19 mm); PE - 6" (2 LIFTS) CE-8" (2 LIFTS)		4% @ 50 GYR

NOTE 1: THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SY/IN
NOTE 2: THE "AC TYPES" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS.
FOR HMA FULL DEPTH "AC TYPE" SEE SPECIAL PROVISIONS.
FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS

CONSTRUCTION SEQUENCE

- CS1 SAWCUT EXISTING PAVEMENT (FULL DEPTH) APPROX. 10 1/2" DEEP
- CS2 INSTALL DRAINAGE STRUCTURES AND APPURTANCES
- CS3 REMOVE EXISTING CURB, DRIVEWAYS AND SIDEWALK PER PLAN (LIMITED TO ONE SIDE OF THE STREET AT A TIME UNLESS APPROVED BY THE ENGINEER)
- CS4 CONSTRUCT PROPOSED COMBINATION CURB AND GUTTER
- CS5 CONSTRUCT NEW DRIVEWAYS AND SIDEWALKS AS PER PLAN
- CS6 BACKFILL NEW CURB AND GUTTER
- CS7 PAVEMENT REMOVAL, VARIABLE DEPTH
- CS8 EXCAVATE, SHAPE, PROOF-ROLL, & REPAIR SUBGRADE AS REQUIRED (ACCESS FOR LOCAL TRAFFIC AND EMERGENCY VEHICLES MUST BE MAINTAINED AT ALL TIMES, UNLESS OTHERWISE APPROVED BY THE ENGINEER)
- CS9 PLACE SUBBASE GRANULAR MATERIAL, TYPE B, 6"
- CS10 PLACE HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N30, 3"
- CS11 HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2 1/2"
- CS12 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2"
- CS13 FURNISH AND PLACE TOP SOIL, VARIABLE DEPTH
- CS14 SOD RESTORATION



FILE NAME = 2014 STP Typical Sections.dwg

USER NAME = chomuth
LAYOUT NAME = Layout4
PLOT SCALE = 20.00' / IN.
PLOT DATE = Dec 12, 2014-3:04am

DESIGNED - BS
DRAWN - CH
CHECKED - JM
DATE - 06/19/2014

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

SCALE: VERT. N/A SHEET NO. 5 OF 53 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2644	13-00205-00-FP	COOK	53	5
CONTRACT NO. 61A97				
FED ROAD DIST NO. 1 ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
	NOTED		
NOTE BOOK NO.	CHECKED		
	STRUCTURE NOTATIONS CHD		

PROFILE	SURVEYED	BY	DATE
	NOTED		
NOTE BOOK NO.	CHECKED		
	STRUCTURE NOTATIONS CHD		

EARTHWORK SCHEDULE

	EARTH EXCAVATION (CU YD)	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (CU YD)	AGGREGATE SUBGRADE IMPROVEMENT (CU YD)
NICHOLS ROAD			
STAGE I			
ARLINGTON HEIGHTS ROAD TO ROSE BOULEVARD	116	100	100
ROSE BOULEVARD TO HIGHLAND AVENUE	143	100	100
HIGHLAND AVENUE TO CAMERON WAY	121	100	100
STAGE I NICHOLS SUB-TOTAL =	380	300	300
STAGE II			
KENNICOTT AVENUE TO RIDE AVENUE	374	100	100
RIDGE AVENUE TO WHITING LANE	116	100	100
WHITING LANE TO CAMERON WAY	110	100	100
STAGE II NICHOLS SUB-TOTAL =	600	300	300
NICHOLS ROAD TOTAL =	980	600	600
WALNUT AVENUE			
OAKTON STREET TO CLARENDON STREET	411	282	282
CALRENDON STREET TO OLVE STREET	219	75	75
OLVE STREET TO THOMAS STREET	511	75	75
WALNUT AVENUE TOTAL =	1141	432	432
PROJECT TOTAL =	2121	1032	1032

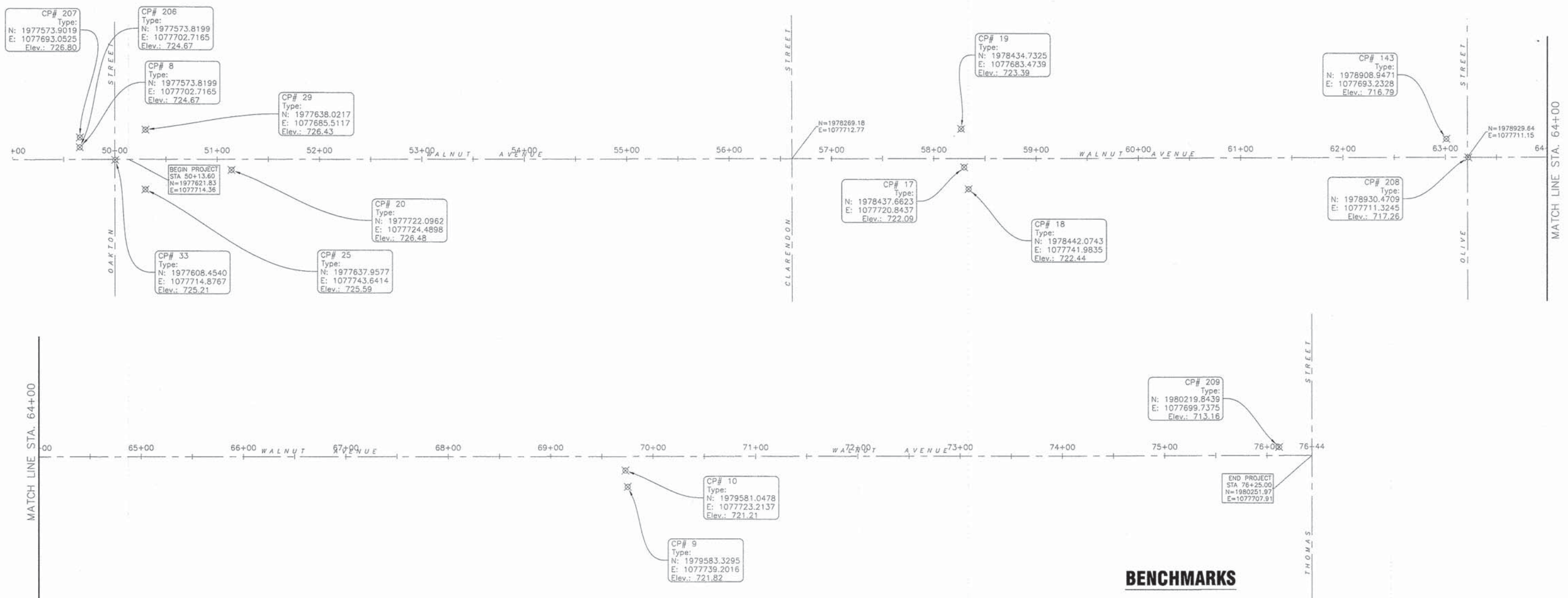
A 15% SHRINKAGE FACTOR SHALL BE USED FOR THIS CONTRACT.
 ALL AREAS OF UNDERCUT SHALL BE PAID FOR AS REMOVAL AND DISPOSAL OF UNSUITABLE MATERIALS.
 AGGRGEGATE SUBBGRADE IMPROVEMENT (CU YD) WILL ONLY BE USED TO BACKFILL UNDERCUTS.

FILE NAME = 2014 STP Quantities.dwg	USER NAME = chomuth	DESIGNED - BS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EARTHWORK SCHEDULE	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
LAYOUT NAME = EARTHWORK SCHEDULE	DRAWN - CH	CHECKED - JM	REVISED -			2644	13-00205-00-FP	COOK	53	6	
PLOT SCALE = 20.00' / IN.	DATE - 06/19/2014	REVISOR -	SCALE: VERT. N/A			SHEET NO. 6 OF 53 SHEETS		CONTRACT NO. 61A97			
PLOT DATE = Dec 12, 2014-3:04am	DATE - 06/19/2014	REVISOR -				FED ROAD DIST NO. 1 ILLINOIS FED. AID PROJECT					

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BENCHMARKS

- WALNUT AVENUE**
- FIRE HYDRANT @ OAKTON & WALNUT AVE. N.W. BOLT ELEV. = 726.90
 - FIRE HYDRANT @ STA. 3+60 WALNUT AVE. NORTH OF TWO WEST BOLT ELEV. = 724.96
 - FIRE HYDRANT @ N.W. CORNER CLARENDON NORTH OF TWO WEST BOLT ELEV. = 721.94
 - FIRE HYDRANT @ STA. 13+40 N.W. CORNER WALNUT AVE. NORTH OF TWO NORTH BOLT ELEV. = 718.29
 - FIRE HYDRANT @ STA. 16+80 NORTH OF TWO WEST BOLT ELEV. = 721.28
 - FIRE HYDRANT @ STA. 19+75 WALNUT AVE. NORTH OF TWO WEST BOLT ELEV. = 723.36

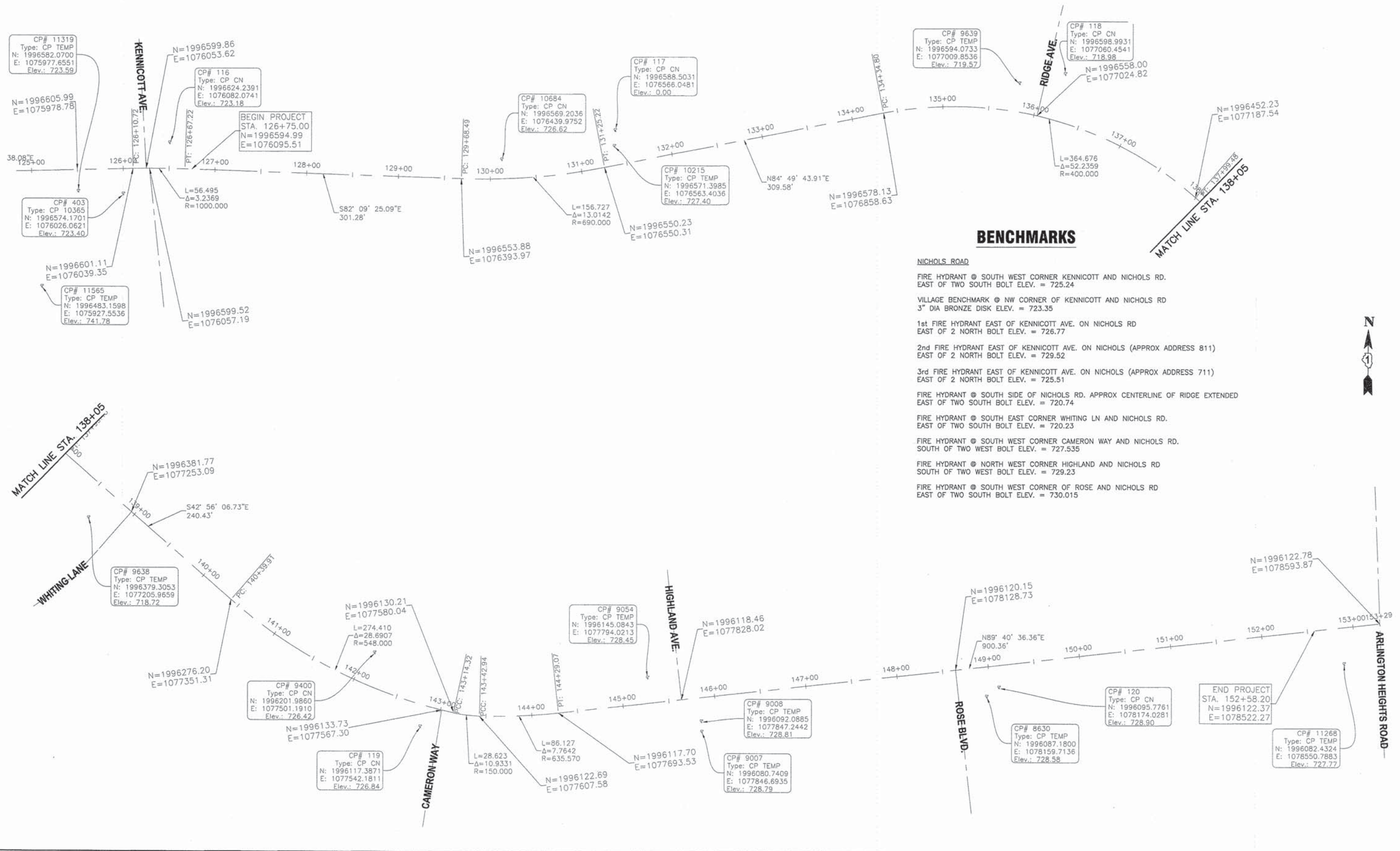


FILE NAME = 2014 STP WALNUT AVE.dwg	USER NAME = chomuth	DESIGNED - BS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	WALNUT AVENUE ALIGNMENTS, TIES AND BENCHMARKS			F.A.U. RTE. 2644	SECTION 13-00205-00-FP	COUNTY COOK	TOTAL SHEETS 53	SHEET NO. 7
	LAYOUT NAME = Walnut Geometrics	DRAWN - CH	REVISED -		SCALE: 1"=50'	SHEET NO. 7 OF 53 SHEETS	STA. TO STA.	CONTRACT NO. 61A97		FED ROAD DIST NO. 1 ILLINOIS FED. AID PROJECT		
	PLOT SCALE = 50.00' / IN.	CHECKED - JM	REVISED -									
	PLOT DATE = Dec 12, 2014 - 3:07am	DATE - 06/19/2014	REVISED -									

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BENCHMARKS

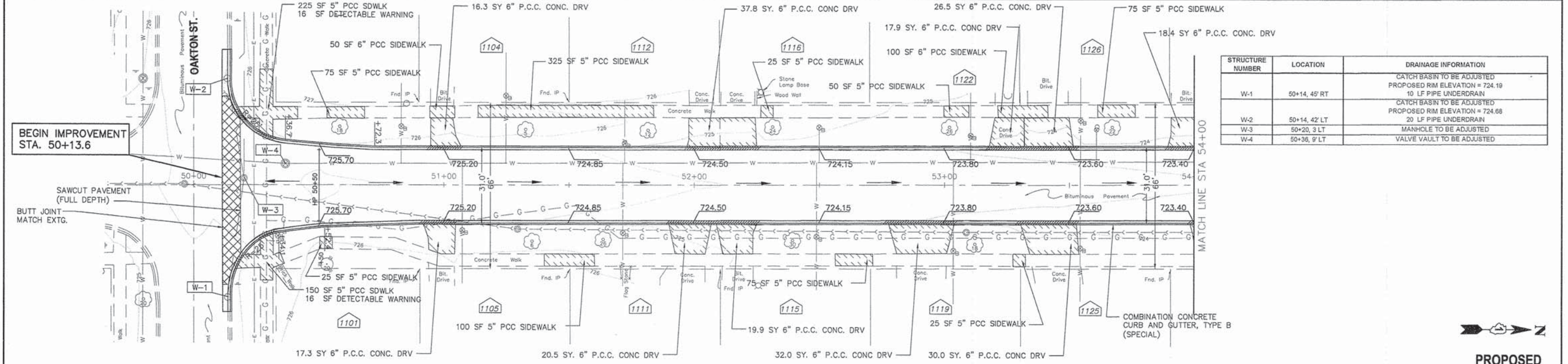
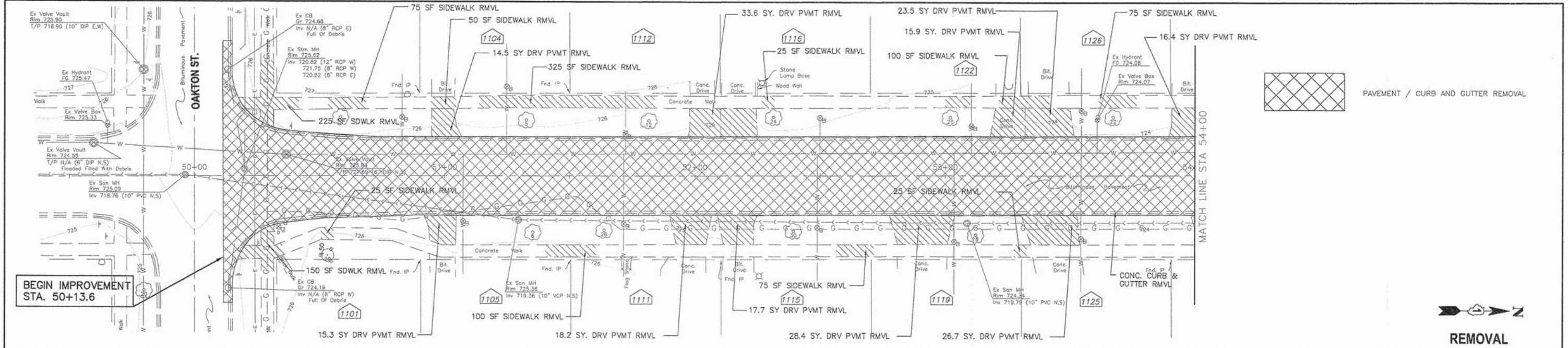
- NICHOLS ROAD**
- FIRE HYDRANT @ SOUTH WEST CORNER KENNICOTT AND NICHOLS RD. EAST OF TWO SOUTH BOLT ELEV. = 725.24
 - VILLAGE BENCHMARK @ NW CORNER OF KENNICOTT AND NICHOLS RD 3" DIA BRONZE DISK ELEV. = 723.35
 - 1st FIRE HYDRANT EAST OF KENNICOTT AVE. ON NICHOLS RD EAST OF 2 NORTH BOLT ELEV. = 726.77
 - 2nd FIRE HYDRANT EAST OF KENNICOTT AVE. ON NICHOLS (APPROX ADDRESS 811) EAST OF 2 NORTH BOLT ELEV. = 729.52
 - 3rd FIRE HYDRANT EAST OF KENNICOTT AVE. ON NICHOLS (APPROX ADDRESS 711) EAST OF 2 NORTH BOLT ELEV. = 725.51
 - FIRE HYDRANT @ SOUTH SIDE OF NICHOLS RD. APPROX CENTERLINE OF RIDGE EXTENDED EAST OF TWO SOUTH BOLT ELEV. = 720.74
 - FIRE HYDRANT @ SOUTH EAST CORNER WHITING LN AND NICHOLS RD. EAST OF TWO SOUTH BOLT ELEV. = 720.23
 - FIRE HYDRANT @ SOUTH WEST CORNER CAMERON WAY AND NICHOLS RD. SOUTH OF TWO WEST BOLT ELEV. = 727.535
 - FIRE HYDRANT @ NORTH WEST CORNER HIGHLAND AND NICHOLS RD SOUTH OF TWO WEST BOLT ELEV. = 729.23
 - FIRE HYDRANT @ SOUTH WEST CORNER OF ROSE AND NICHOLS RD EAST OF TWO SOUTH BOLT ELEV. = 730.015



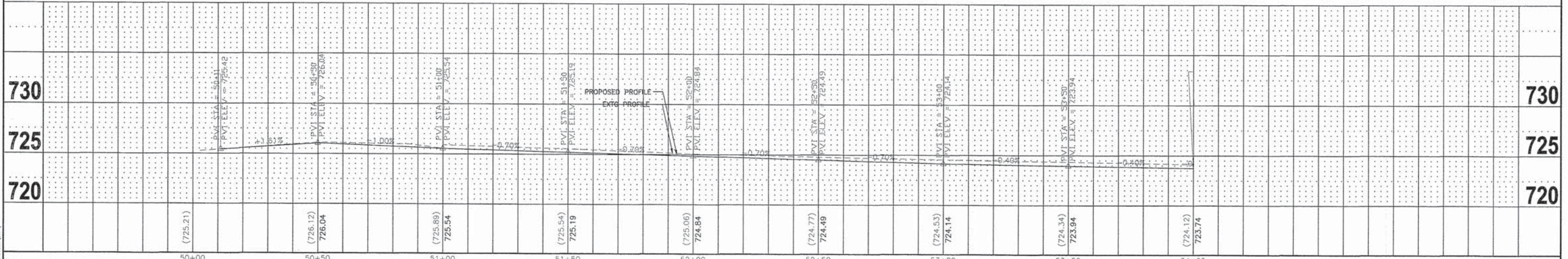
FILE NAME = 2014 STP NICHOLS RD.DWG	USER NAME = chomuth	DESIGNED - BS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	NICHOLS ROAD ALIGNMENTS, TIES AND BENCHMARKS		F.A.U. RTE. 2644	SECTION 13-00205-00-FP	COUNTY COOK	TOTAL SHEETS 53	SHEET NO. 8
LAYOUT NAME = Nichols Geometric	DRAWN - CH	CHECKED - JM	REVISED -		HORIZ. 1"=50'	SCALE: VERT. N/A	SHEET NO. 8 OF 53 SHEETS	STA. Nichols Ge TO STA.	CONTRACT NO. 61A97	FED. AID PROJECT	
PLOT SCALE = 50.00' / IN.	CHECKED - JM	DATE - 06/19/2014	REVISED -								
PLOT DATE = Dec 12, 2014 - 3:33am	DATE - 06/19/2014	REVISED -									

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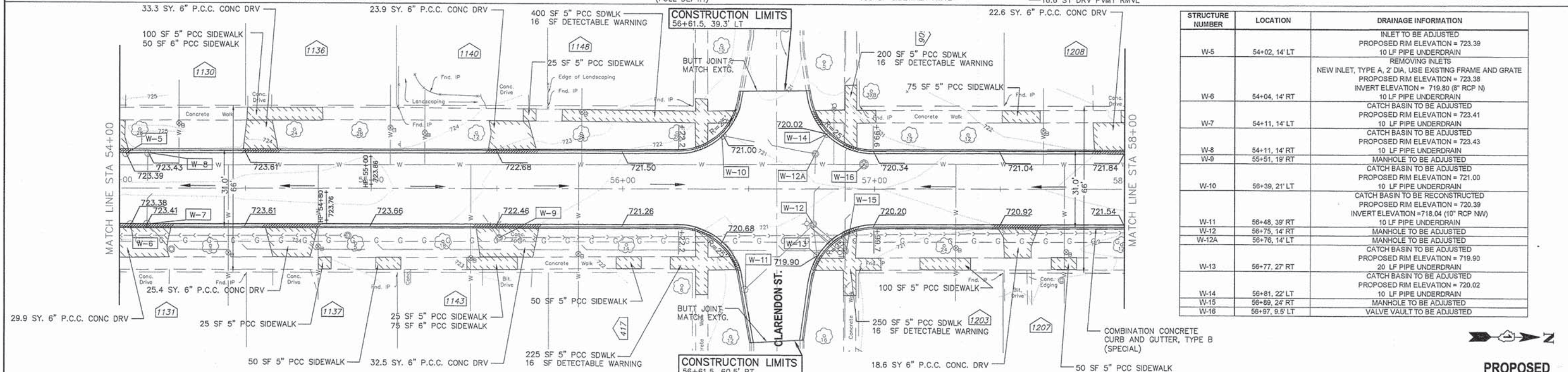
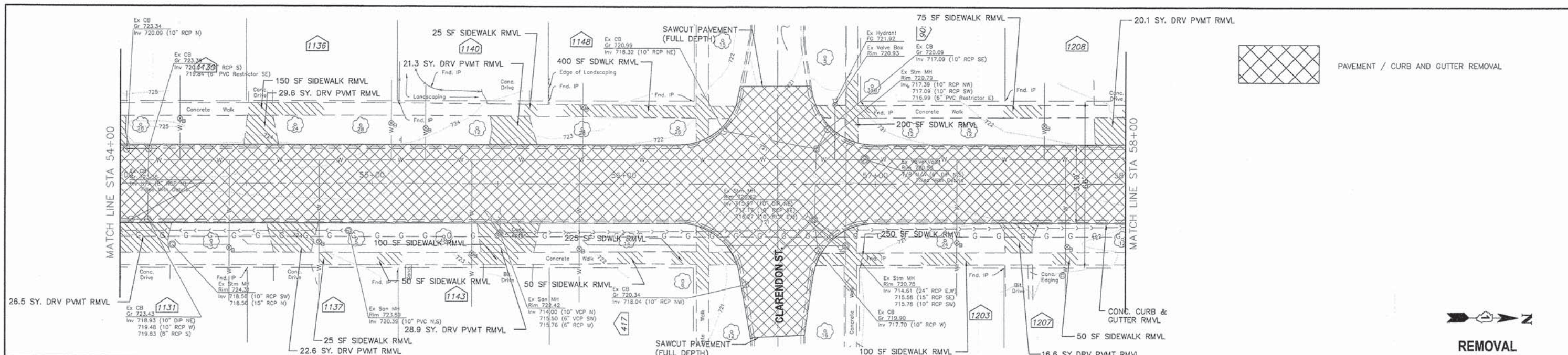
STRUCTURE NUMBER	LOCATION	DRAINAGE INFORMATION
W-1	50+14, 45' RT	CATCH BASIN TO BE ADJUSTED PROPOSED RM ELEVATION = 724.19 10 LF PIPE UNDERDRAIN
W-2	50+14, 42' LT	CATCH BASIN TO BE ADJUSTED PROPOSED RM ELEVATION = 724.68 20 LF PIPE UNDERDRAIN
W-3	50+20, 3' LT	MANHOLE TO BE ADJUSTED
W-4	50+36, 9' LT	VALVE VAULT TO BE ADJUSTED



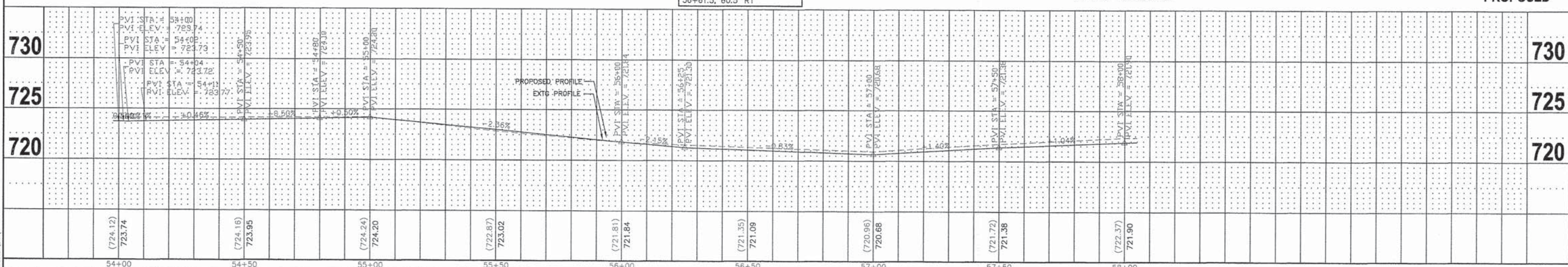
FILE NAME = 2014 STP WALNUT AVE.dwg	USER NAME = chomuth	DESIGNED - BS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	WALNUT AVENUE PLAN AND PROFILE	F.A.U. R.T.E. = 2644	SECTION = 13-00205-00-FP	COUNTY = COOK	TOTAL SHEETS = 53	SHEET NO. = 9		
LAYOUT NAME = Begin-54+00	DRAWN - CH	REVISED -	HORIZ. 1"=20'			SCALE: VERT. 1"=5'	SHEET NO. 9 OF 53 SHEETS	STA. 50+13.6 TO STA. 54+00	CONTRACT NO. = 61A97	FED. ROAD DIST NO. 1 ILLINOIS FED. AID PROJECT		
PLOT SCALE = 20.00' / IN.	CHECKED - JM	REVISED -										
PLOT DATE = Dec 12, 2014 - 3:09am	DATE = 06/19/2014	REVISED -										

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STRUCTURE NUMBER	LOCATION	DRAINAGE INFORMATION
W-5	54+02, 14' LT	INLET TO BE ADJUSTED PROPOSED RIM ELEVATION = 723.39 10 LF PIPE UNDERDRAIN
W-6	54+04, 14' RT	REMOVING INLETS NEW INLET, TYPE A, 2' DIA. USE EXISTING FRAME AND GRATE PROPOSED RIM ELEVATION = 723.38 INVERT ELEVATION = 719.80 (8" RCP N) 10 LF PIPE UNDERDRAIN
W-7	54+11, 14' LT	CATCH BASIN TO BE ADJUSTED PROPOSED RIM ELEVATION = 723.41 10 LF PIPE UNDERDRAIN
W-8	54+11, 14' RT	CATCH BASIN TO BE ADJUSTED PROPOSED RIM ELEVATION = 723.43 10 LF PIPE UNDERDRAIN
W-9	55+51, 19' RT	MANHOLE TO BE ADJUSTED CATCH BASIN TO BE ADJUSTED PROPOSED RIM ELEVATION = 721.00 10 LF PIPE UNDERDRAIN
W-10	56+39, 21' LT	CATCH BASIN TO BE RECONSTRUCTED PROPOSED RIM ELEVATION = 720.39 INVERT ELEVATION = 718.04 (10" RCP NW) 10 LF PIPE UNDERDRAIN
W-11	56+48, 39' RT	MANHOLE TO BE ADJUSTED
W-12	56+75, 14' RT	MANHOLE TO BE ADJUSTED
W-12A	56+76, 14' LT	CATCH BASIN TO BE ADJUSTED PROPOSED RIM ELEVATION = 719.90 20 LF PIPE UNDERDRAIN
W-13	56+77, 27' RT	CATCH BASIN TO BE ADJUSTED PROPOSED RIM ELEVATION = 720.02 10 LF PIPE UNDERDRAIN
W-14	56+81, 22' LT	MANHOLE TO BE ADJUSTED
W-15	56+89, 24' RT	MANHOLE TO BE ADJUSTED
W-16	56+97, 9.5' LT	VALVE VAULT TO BE ADJUSTED



FILE NAME = 2014 STP WALNUT AVE.dwg	USER NAME = chomuth	DESIGNED - BS	REVISED -
LAYOUT NAME = 54+00-58+00	DRAWN - CH	REVISED -	REVISED -
PLOT SCALE = 20.00' / IN.	CHECKED - JM	REVISED -	REVISED -
PLOT DATE = Dec 12, 2014 - 3:10am	DATE - 06/19/2014	REVISED -	REVISED -

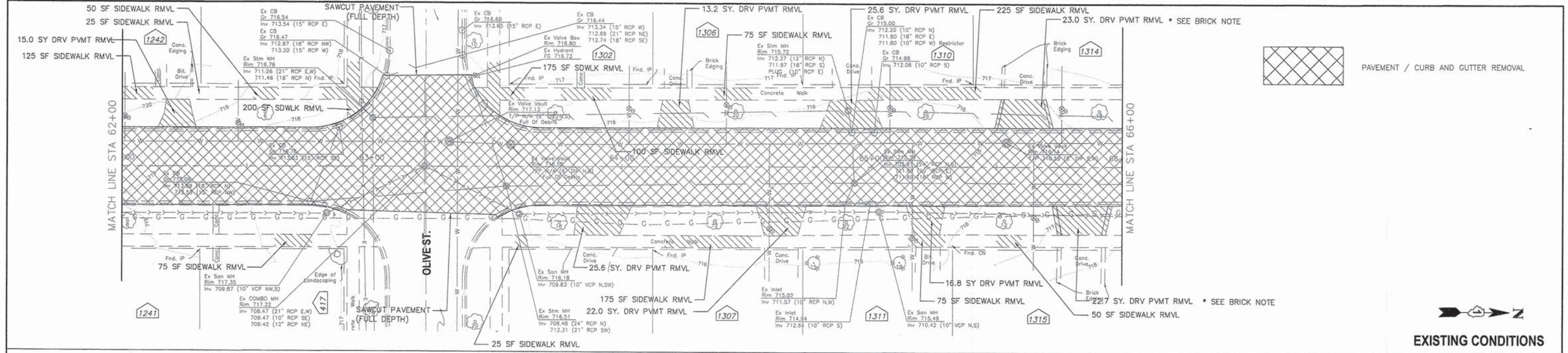
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**WALNUT AVENUE
PLAN AND PROFILE**
HORIZ. 1"=20'
SCALE: VERT. 1"=5' SHEET NO. 10 OF 53 SHEETS STA. 54+00 TO STA. 58+00

F.A.U. RTE. 2644	SECTION 13-00205-00-FP	COUNTY COOK	TOTAL SHEETS 53	SHEET NO. 10
CONTRACT NO. 61A97			FED. AID PROJECT	

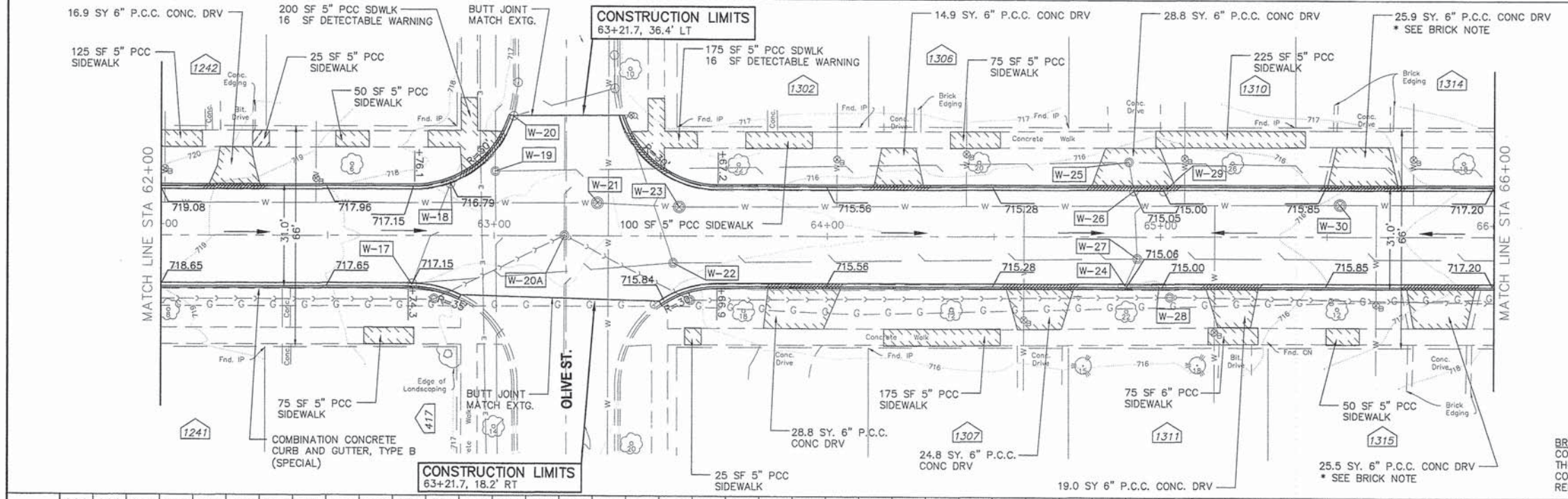
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PAVEMENT / CURB AND GUTTER REMOVAL

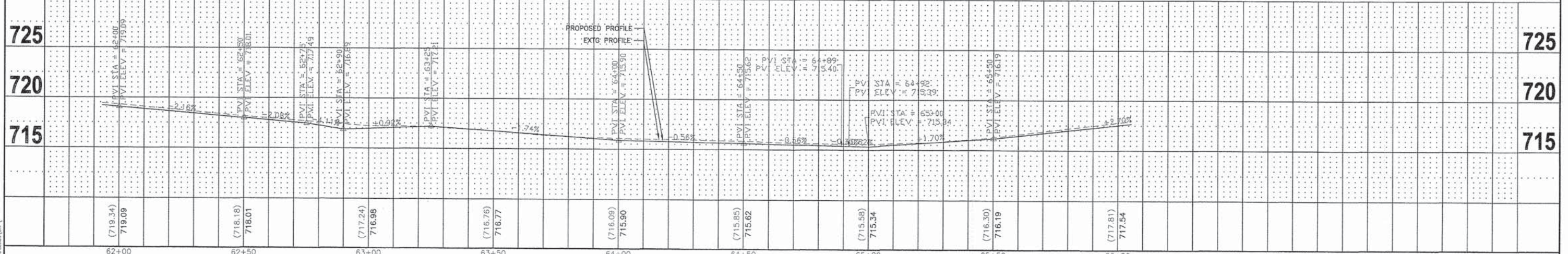
EXISTING CONDITIONS



STRUCTURE NUMBER	LOCATION	DRAINAGE INFORMATION
W-17	62+75, 16' RT	CATCH BASIN TO BE RECONSTRUCTED PROPOSED RIM ELEVATION = 717.15 INVERT ELEVATIONS = 713.59 (18\"/>
W-18	62+87, 16' LT	NEW CATCH BASIN, TYPE A, 4' DIA, USE EXISTING FRAME AND GRATE PROPOSED RIM ELEVATION = 716.79 INVERT ELEVATION = 713.65 (15\"/>
W-19	63+00, 19.5' LT	MANHOLE TO BE ADJUSTED
W-20	63+05, 36' LT	CATCH BASIN TO BE RECONSTRUCTED PROPOSED RIM ELEVATION = 717.15 INVERT ELEVATIONS = 712.97 (18\"/>
W-20A	63+21, 0' RT	MANHOLE TO BE ADJUSTED
W-21	63+31, 10' LT	VALVE VAULT TO BE ADJUSTED
W-22	63+54, 8' RT	MANHOLE TO BE ADJUSTED
W-23	63+55, 9' LT	VALVE VAULT TO BE ADJUSTED
W-24	64+09, 14' RT	CATCH BASIN TO BE ADJUSTED PROPOSED RIM ELEVATION = 715.06 10 LF PIPE UNDERDRAIN
W-25	64+90, 22.5' LT	CATCH BASIN TO BE ADJUSTED PROPOSED RIM ELEVATION = 715.05 10 LF PIPE UNDERDRAIN
W-26	64+92, 14' LT	MANHOLE TO BE ADJUSTED
W-27	64+93, 7' RT	MANHOLE TO BE ADJUSTED
W-28	64+99, 14' RT	REMOVING INLETS NEW INLET, TYPE A, 2' DIA, USE EXISTING FRAME AND GRATE PROPOSED RIM ELEVATION = 715.00 INVERT ELEVATION = 712.64 (10\"/>
W-29	65+01, 14' LT	INLET TO BE ADJUSTED PROPOSED RIM ELEVATION = 715.00 10 LF PIPE UNDERDRAIN
W-30	65+54, 9.5' LT	VALVE VAULT TO BE ADJUSTED

BRICK NOTE
CONTRACTOR SHALL REMOVE AND STACK BRICK BY HAND. THIS WORK SHALL BE INCLUDED IN THE COST OF THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED. REPLACEMENT WILL BE REPLACED BY HOME OWNER

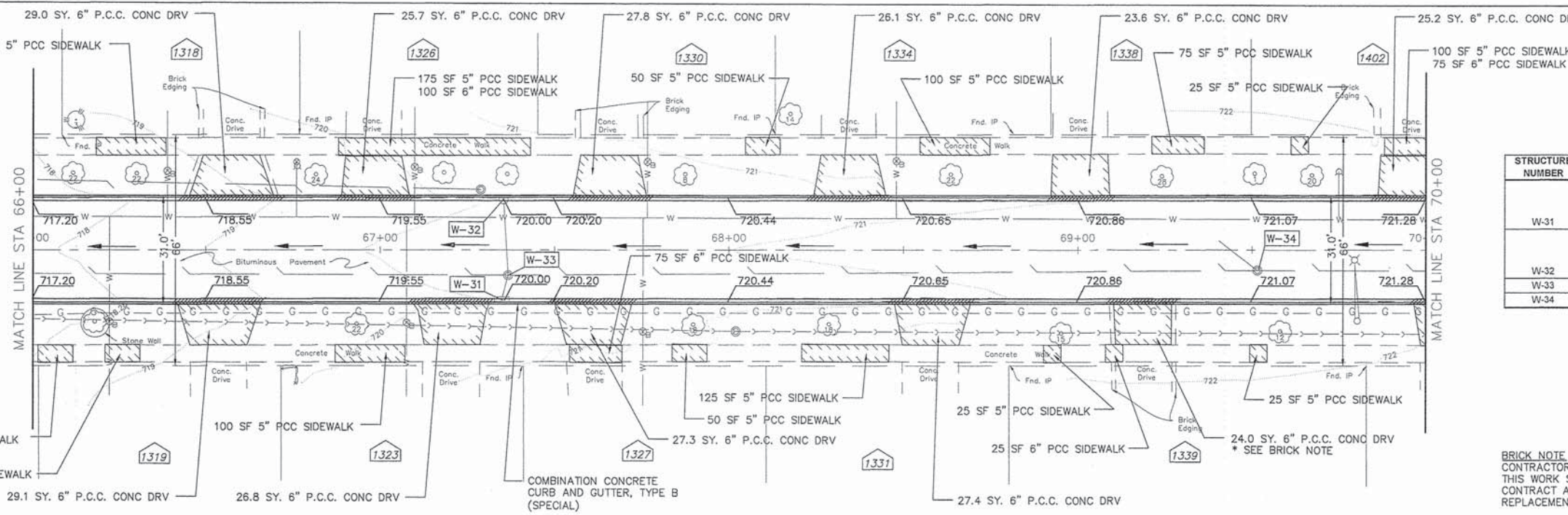
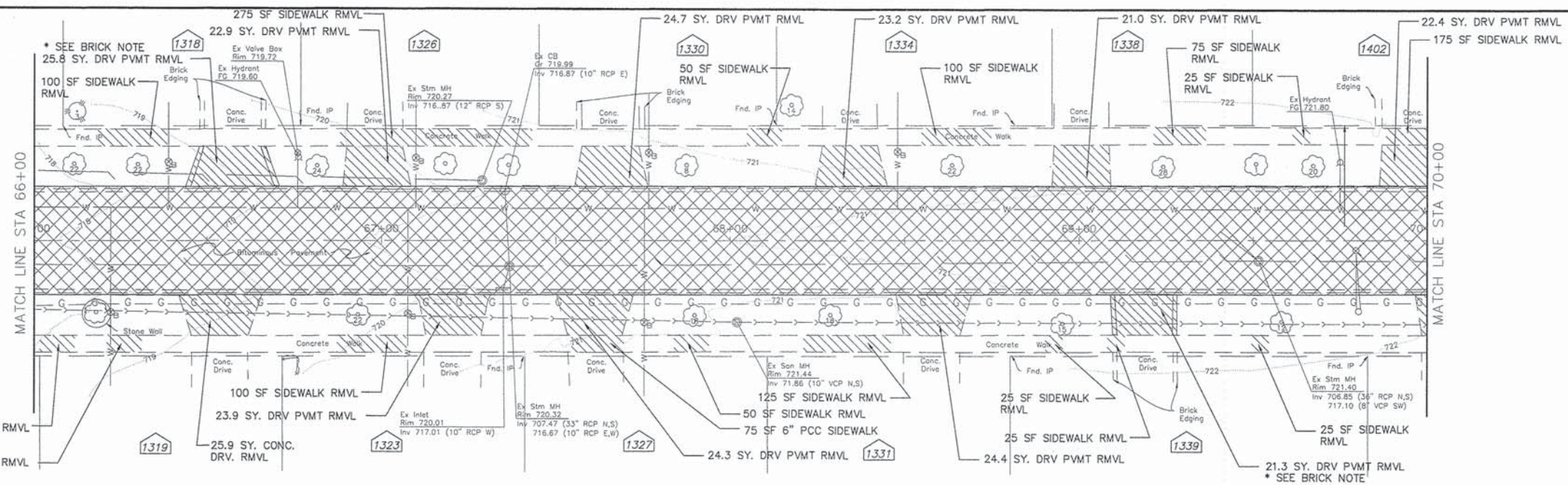
PROPOSED



FILE NAME = 2014 STP WALNUT AVE.dwg	USER NAME = chomuth	DESIGNED - BS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		WALNUT AVENUE PLAN AND PROFILE		F.A.U. R.T.E. = 2644	SECTION = 13-00205-00-FP	COUNTY = COOK	TOTAL SHEETS = 53	SHEET NO. = 12	
LAYOUT NAME = 62+00-66+00	DRAWN - CH	REVISED -	REVISED -			HORIZ. 1"=20'	SCALE: VERT. 1"=5'		SHEET NO. 12 OF 53 SHEETS		STA. 62+00 TO STA. 66+00	CONTRACT NO. = 61A97	FED. AID PROJECT
PLOT SCALE = 20.00' / IN.	CHECKED - JM	REVISED -	REVISED -										
PLOT DATE = Dec 12, 2014 - 3:12am	DATE = 06/19/2014	REVISED -	REVISED -										

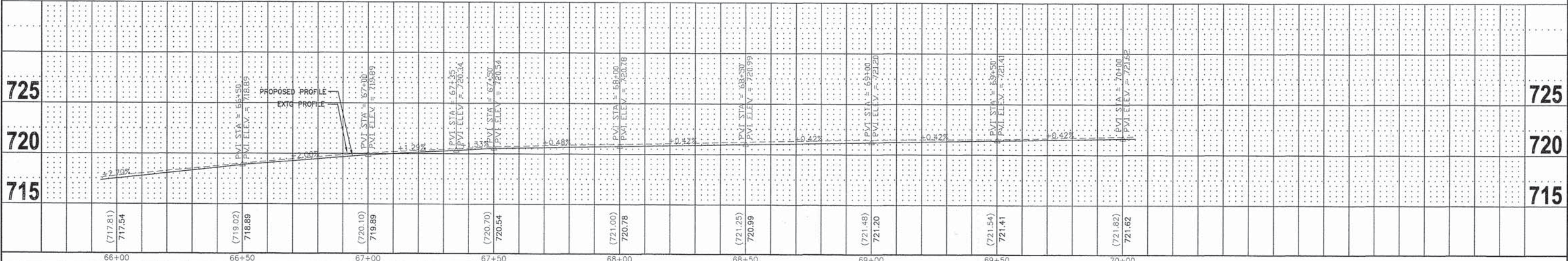
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STRUCTURE NUMBER	LOCATION	DRAINAGE INFORMATION
W-31	67+35, 14' RT	CATCH BASIN TO BE RECONSTRUCTED PROPOSED RIM ELEVATION = 720.00 INVERT ELEVATION = 720.00 (10" RCP W) 20 LF PIPE UNDERDRAIN
W-32	67+35, 14' LT	CATCH BASIN TO BE RECONSTRUCTED PROPOSED RIM ELEVATION = 720.00 INVERT ELEVATION = 716.87 (10" RCP E)
W-33	67+36, 7' RT	MANHOLE TO BE ADJUSTED 20 LF PIPE UNDERDRAIN
W-34	69+52, 6' RT	MANHOLE TO BE ADJUSTED

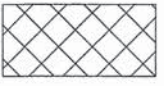
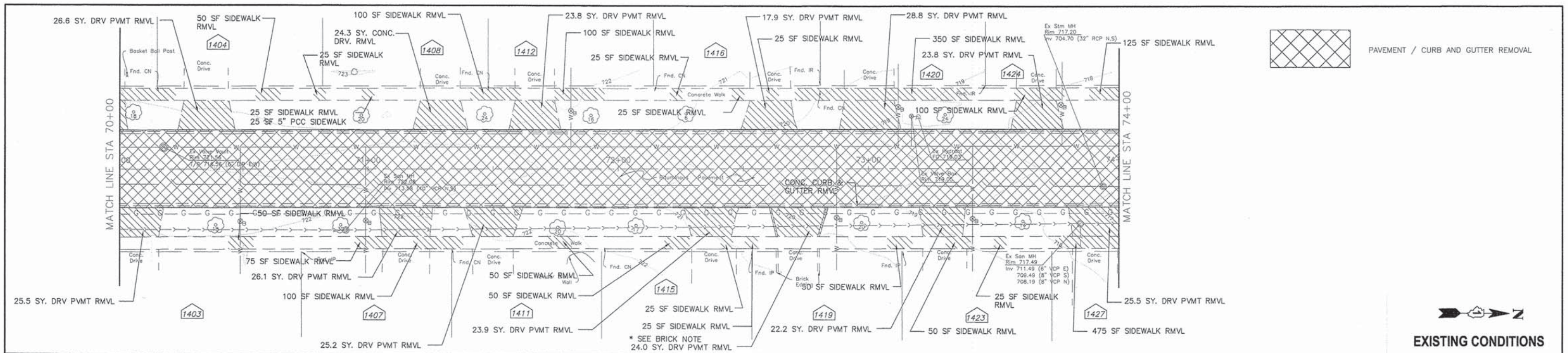
BRICK NOTE
CONTRACTOR SHALL REMOVE AND STACK BRICK BY HAND. THIS WORK SHALL BE INCLUDED IN THE COST OF THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED. REPLACEMENT WILL BE REPLACED BY HOME OWNER



FILE NAME = 2014 STP WALNUT AVE.dwg	USER NAME = chomuth	DESIGNED - BS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	WALNUT AVENUE PLAN AND PROFILE	F.A.U. RTE. 2644	SECTION 13-00205-00-FP	COUNTY COOK	TOTAL SHEETS 53	SHEET NO. 13	
LAYOUT NAME = 66+00-70+00	DRAWN - CH	REVISOR -	SCALE: VERT. 1"=5'			HORIZ. 1"=20'	STA. 66+00 TO STA. 70+00	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	CONTRACT NO. 61A97
PLOT SCALE = 20.00' / IN.	CHECKED - JM	REVISOR -									
PLOT DATE = Dec 12, 2014 - 3:13am	DATE - 06/19/2014	REVISOR -									

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DESCRIPTION	

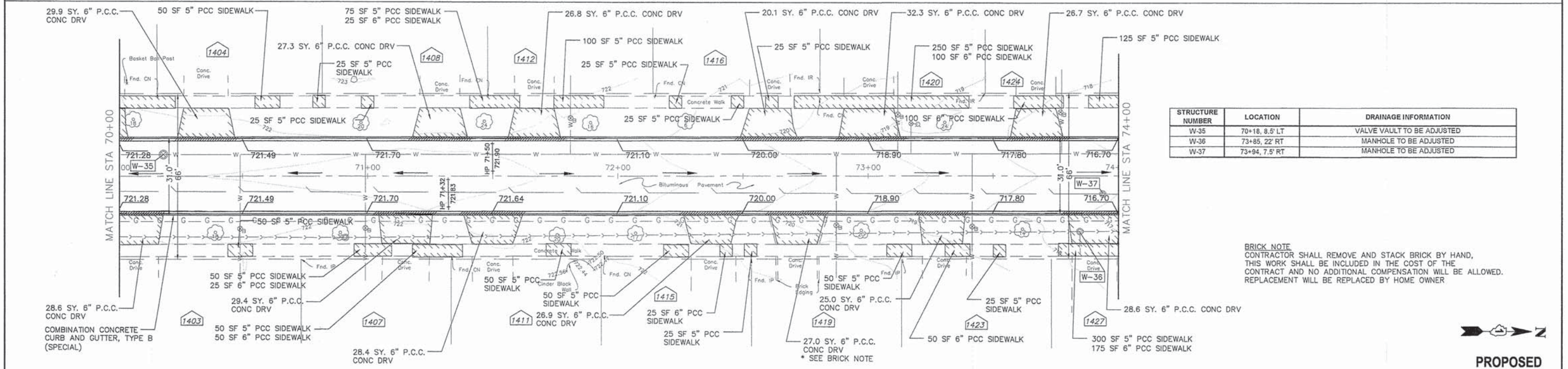
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PAVEMENT / CURB AND GUTTER REMOVAL



EXISTING CONDITIONS

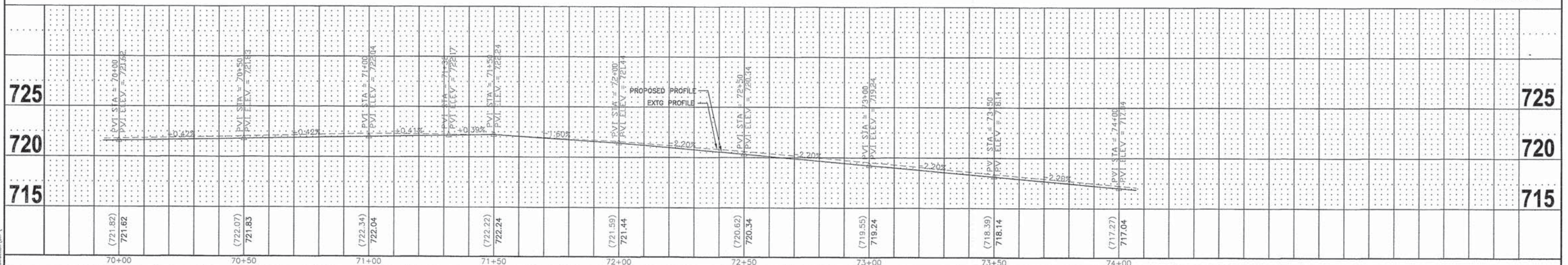


STRUCTURE NUMBER	LOCATION	DRAINAGE INFORMATION
W-35	70+18, 8.5' LT	VALVE VAULT TO BE ADJUSTED
W-36	73+85, 22' RT	MANHOLE TO BE ADJUSTED
W-37	73+94, 7.5' RT	MANHOLE TO BE ADJUSTED

BRICK NOTE
CONTRACTOR SHALL REMOVE AND STACK BRICK BY HAND, THIS WORK SHALL BE INCLUDED IN THE COST OF THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED. REPLACEMENT WILL BE REPLACED BY HOME OWNER



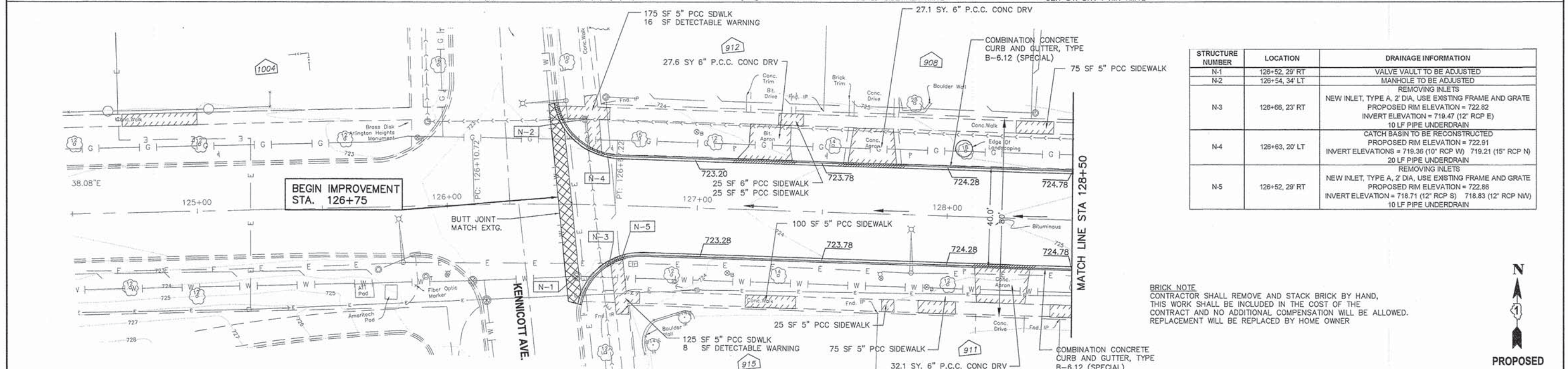
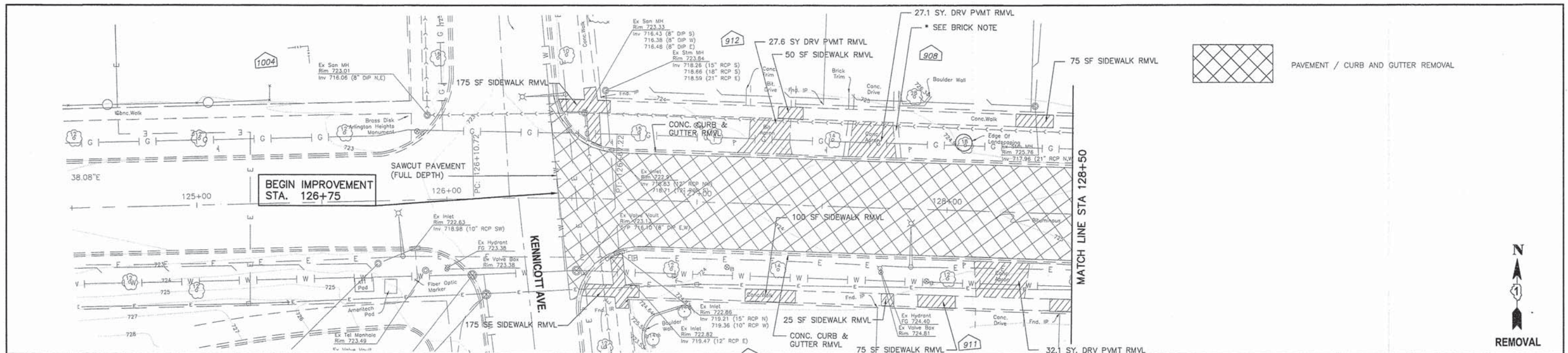
PROPOSED



FILE NAME = 2014 STP WALNUT AVE.dwg	USER NAME = chornuth	DESIGNED - BS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	WALNUT AVENUE PLAN AND PROFILE	F.A.U. RTE. 2644	SECTION 13-00205-00-FP	COUNTY COOK	TOTAL SHEETS 53	SHEET NO. 14	
LAYOUT NAME = 70+00-74+00	DRAWN - CH	REVISIONS				HORIZ. 1"=20'	SCALE: VERT. 1"=5'	SHEET NO. 14 OF 53 SHEETS	STA. 70+00 TO STA. 74+00	CONTRACT NO. 61A97	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT
PLOT SCALE = 20.00' / IN.	CHECKED - JM	REVISIONS									
PLOT DATE = Dec 12, 2014 - 3:14am	DATE - 06/19/2014	REVISIONS									

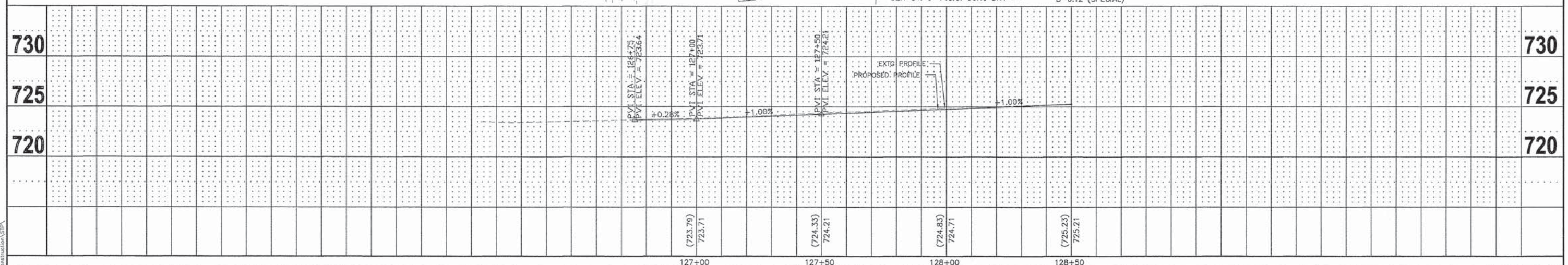
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STRUCTURE NUMBER	LOCATION	DRAINAGE INFORMATION
N-1	126+52, 29' RT	VALVE VAULT TO BE ADJUSTED
N-2	126+54, 34' LT	MANHOLE TO BE ADJUSTED
N-3	126+66, 23' RT	REMOVING INLETS
		NEW INLET, TYPE A, 2' DIA, USE EXISTING FRAME AND GRATE PROPOSED RIM ELEVATION = 722.82 INVERT ELEVATION = 719.47 (12" RCP E) 10 LF PIPE UNDERDRAIN
N-4	126+63, 20' LT	CATCH BASIN TO BE RECONSTRUCTED PROPOSED RIM ELEVATION = 722.91 INVERT ELEVATIONS = 719.38 (10" RCP W) 719.21 (15" RCP N) 20 LF PIPE UNDERDRAIN
		REMOVING INLETS
N-5	126+52, 29' RT	NEW INLET, TYPE A, 2' DIA, USE EXISTING FRAME AND GRATE PROPOSED RIM ELEVATION = 722.88 INVERT ELEVATION = 718.71 (12" RCP S) 718.83 (12" RCP NW) 10 LF PIPE UNDERDRAIN

BRICK NOTE
CONTRACTOR SHALL REMOVE AND STACK BRICK BY HAND, THIS WORK SHALL BE INCLUDED IN THE COST OF THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED. REPLACEMENT WILL BE REPLACED BY HOME OWNER

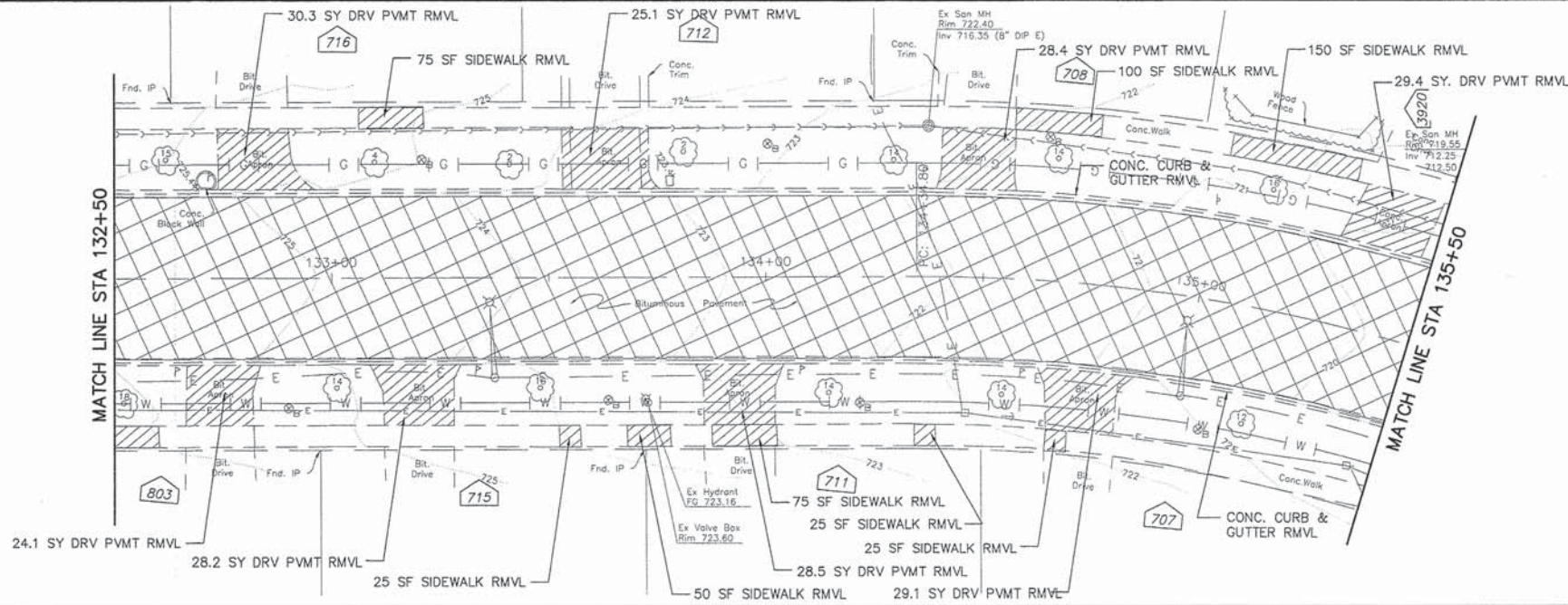


FILE NAME = 2014 STP NICHOLS RD.DWG	USER NAME = chomuth	DESIGNED - BS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	NICHOLS ROAD PLAN AND PROFILE	F.A.U. R.T.E. = 2644	SECTION = 13-00205-00-FP	COUNTY = COOK	TOTAL SHEETS = 53	SHEET NO. = 16	
PLOT SCALE = 20.00' / IN.	CHECKED - JM	REVISED -	REVISED -			HORIZ. 1"=20'	SCALE: VERT. 1"=5'	SHEET NO. 16 OF 53 SHEETS	STA. 124+50 TO STA. 128+50	FED ROAD DIST NO. 1 ILLINOIS FED. AID PROJECT	CONTRACT NO. 61A97
PLOT DATE = Dec 12, 2014-3:37am	DATE = 06/19/2014	REVISED -	REVISED -								

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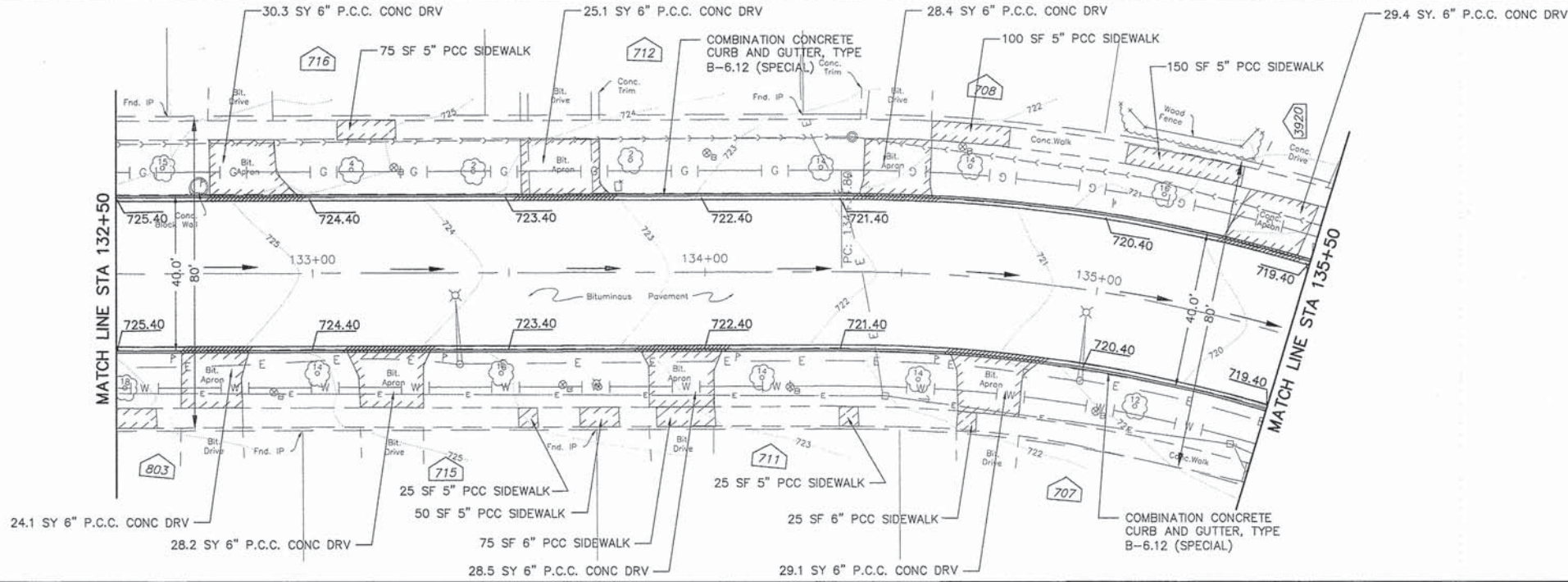
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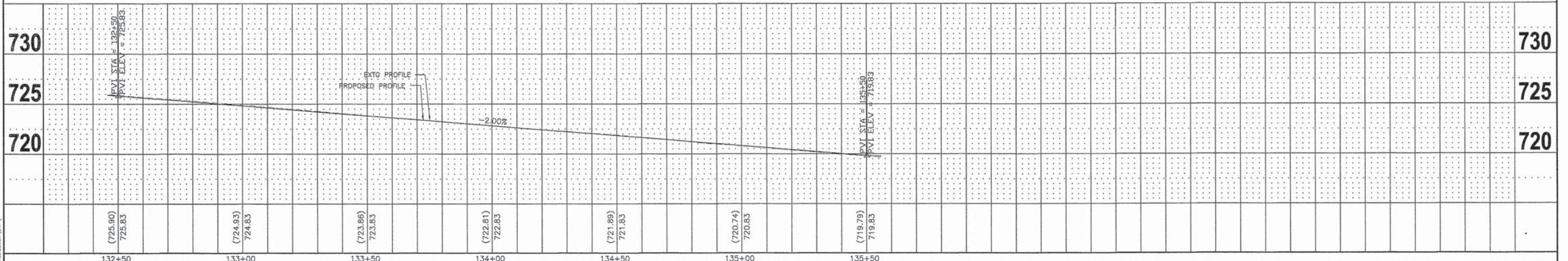
 PAVEMENT / CURB AND GUTTER REMOVAL



EXISTING



PROPOSED



FILE NAME =	USER NAME = chomuth	DESIGNED - BS	REVISED -
2014 STP NICHOLS RD.DWG	LAYOUT NAME = 132+50-135+50	DRAWN - CH	REVISED -
	PLOT SCALE = 20.00' / IN.	CHECKED - JM	REVISED -
	PLOT DATE = Dec 12, 2014-3:38am	DATE - 06/19/2014	REVISED -

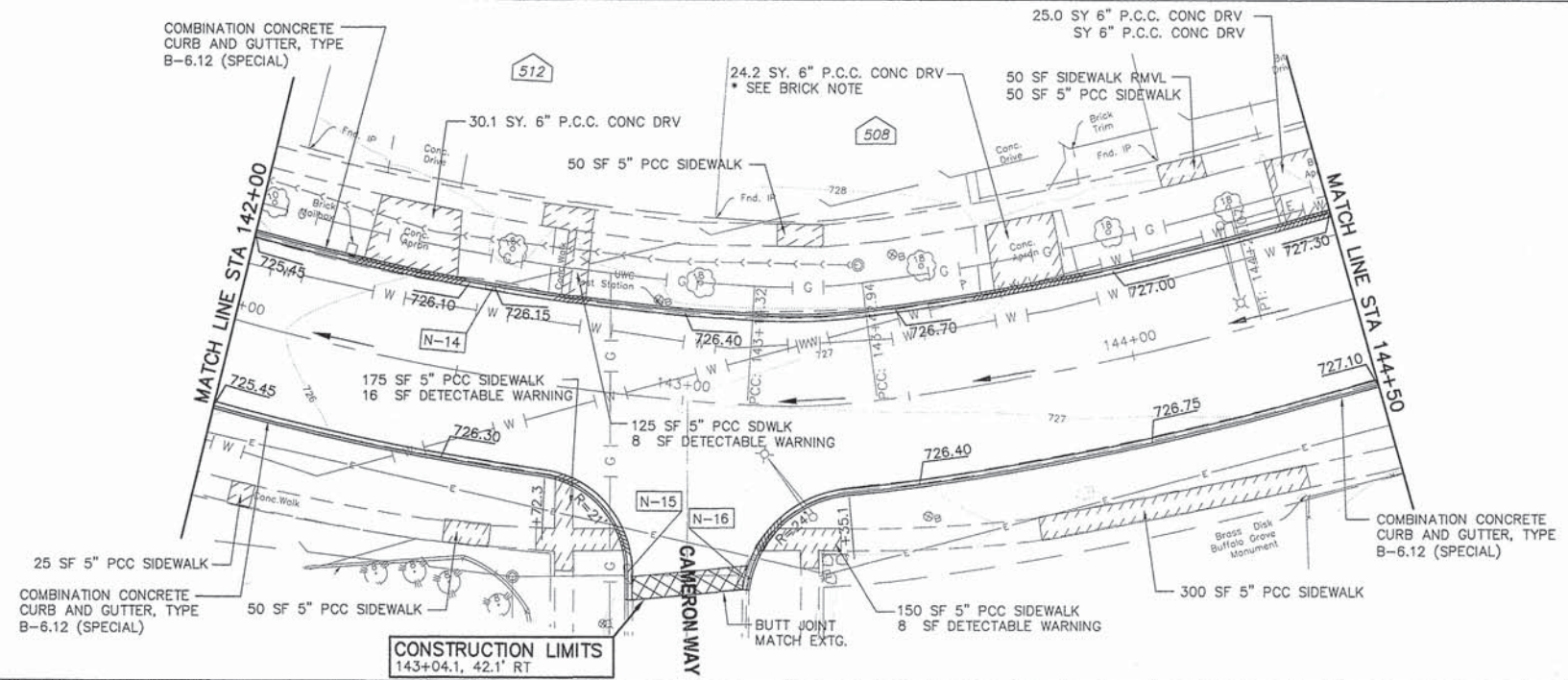
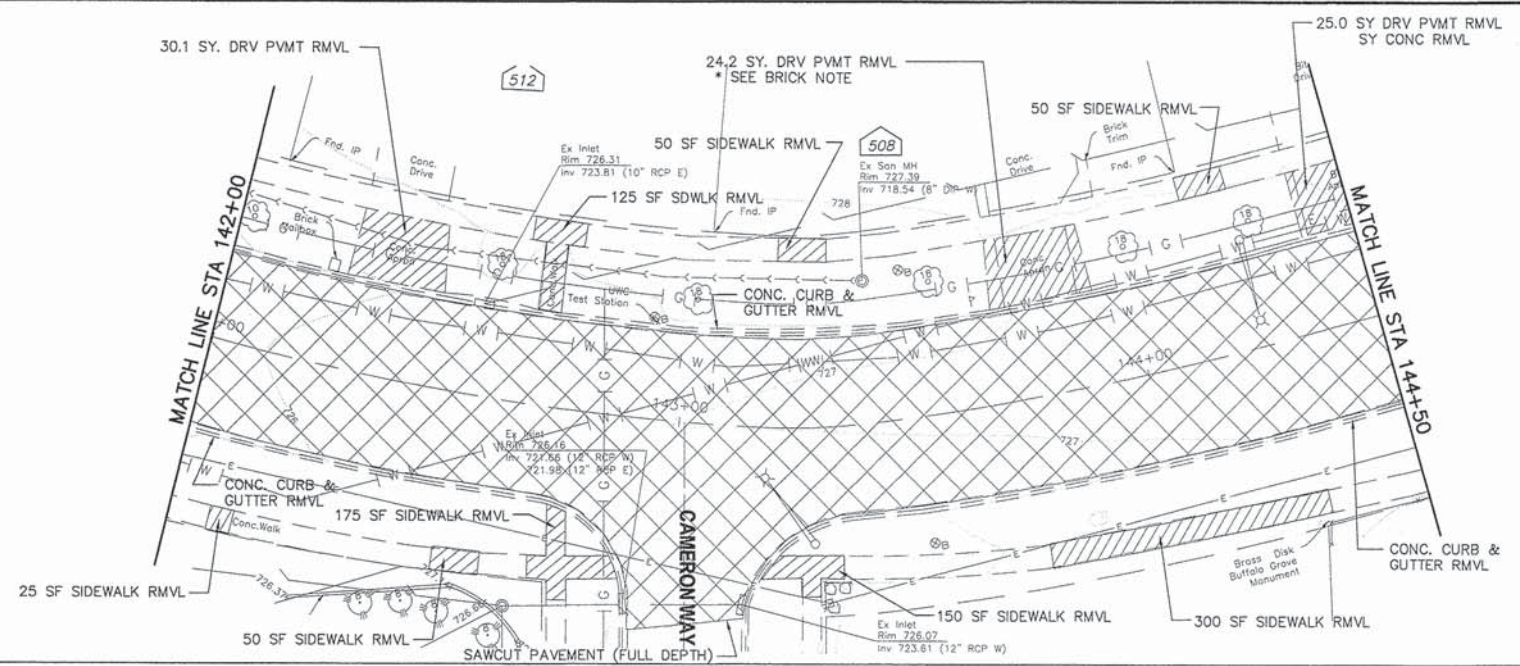
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**NICHOLS ROAD
PLAN AND PROFILE**
HORIZ. 1"=20'
SCALE: VERT. 1"=5' SHEET NO. 18 OF 53 SHEETS STA. 132+50 TO STA. 135+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2644	13-00205-00-FP	COOK	53	18
FED ROAD DIST NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 61A97	

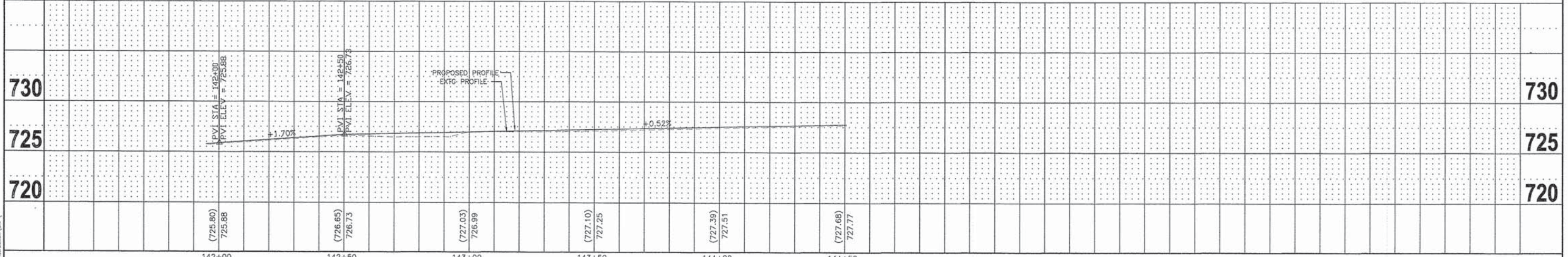
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STRUCTURE NUMBER	LOCATION	DRAINAGE INFORMATION
N-14	142+55, 19' LT	CATCH BASIN TO BE ADJUSTED PROPOSED RIM ELEVATION = 726.15 10 LF PIPE UNDERDRAIN
N-15	142+92, 39' RT	CATCH BASIN TO BE RECONSTRUCTED PROPOSED RIM ELEVATION = 726.16 INVERT ELEVATIONS = 721.66 (12" RCP W) 721.98 (12" RCP E) 10 LF PIPE UNDERDRAIN
N-16	143+15, 37' RT	REMOVING INLETS NEW INLET, TYPE A, 2' DIA, USE EXISTING FRAME AND GRATE PROPOSED RIM ELEVATION = 726.07 INVERT ELEVATION = 723.61 (12" RCP W) 20 LF PIPE UNDERDRAIN

BRICK NOTE
CONTRACTOR SHALL REMOVE AND STACK BRICK BY HAND, THIS WORK SHALL BE INCLUDED IN THE COST OF THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED. REPLACEMENT WILL BE REPLACED BY HOME OWNER

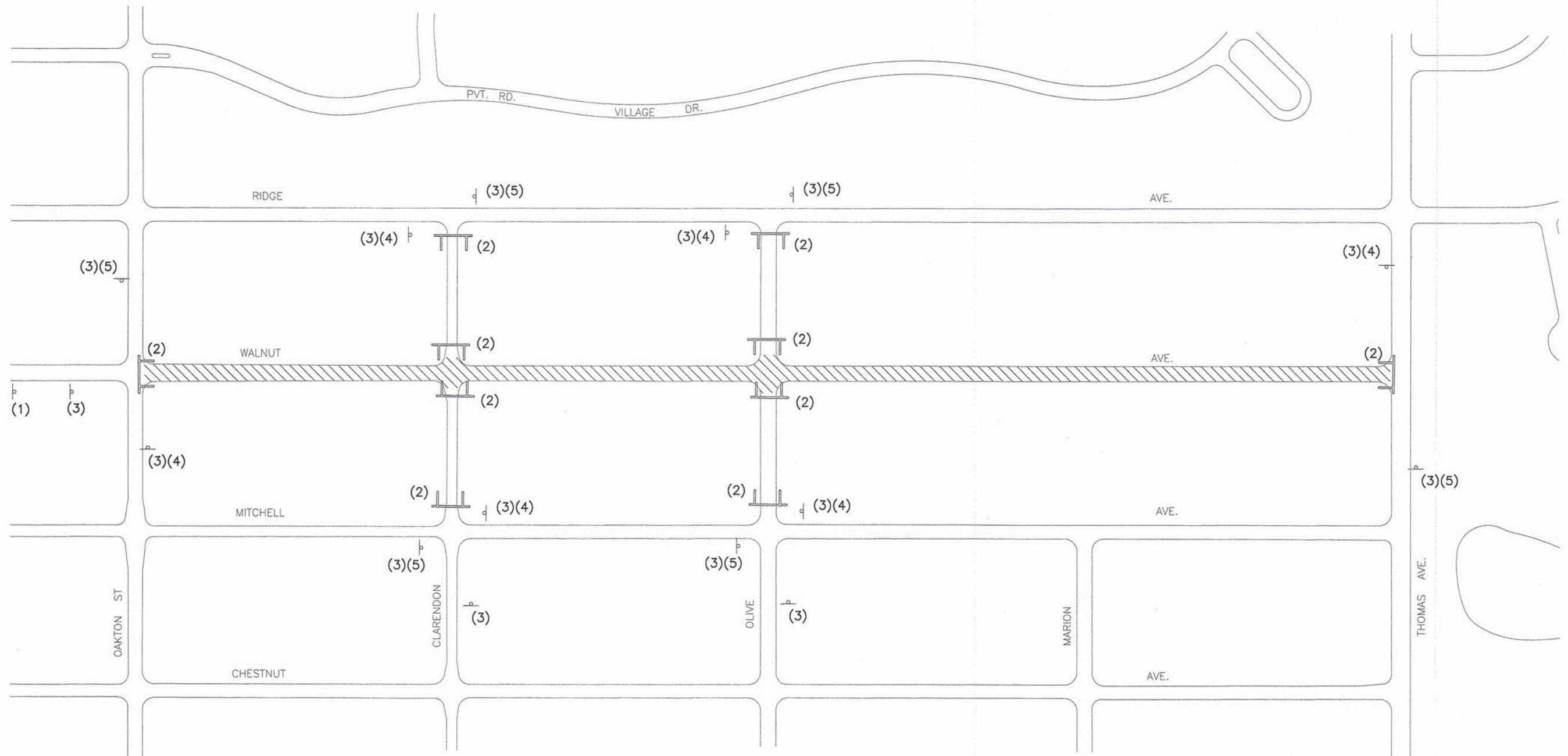


FILE NAME = 2014 STP NICHOLS RD.DWG	USER NAME = chomuth	DESIGNED - BS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HORIZ. 1"=20' SCALE: VERT. 1"=5'	NICHOLS ROAD PLAN AND PROFILE	F.A.U. R.T.E. = 2644	SECTION = 13-00205-00-FP	COUNTY = COOK	TOTAL SHEETS = 53	SHEET NO. = 21
LAYOUT NAME = 142+00-144+50	DRAWN - CH	REVISED -	CONTRACT NO. = 61A97								
PLOT SCALE = 20.00' / IN.	CHECKED - JM	REVISED -	FED ROAD DIST NO. 1 ILLINOIS/FED. AID PROJECT								
PLOT DATE = Dec 12, 2014-3:41am	DATE = 06/19/2014	REVISED -									

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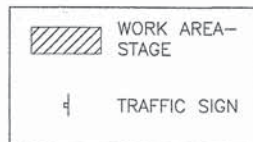
PLAN	DATE
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GRADES CHECKED	
B.M. NOTED	
STRUCTURE NOTATIONS CHKD	
NOTE BOOK NO.	

PROFILE	DATE
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GRADES CHECKED	
B.M. NOTED	
STRUCTURE NOTATIONS CHKD	
NOTE BOOK NO.	



DETOUR SIGN LEGEND

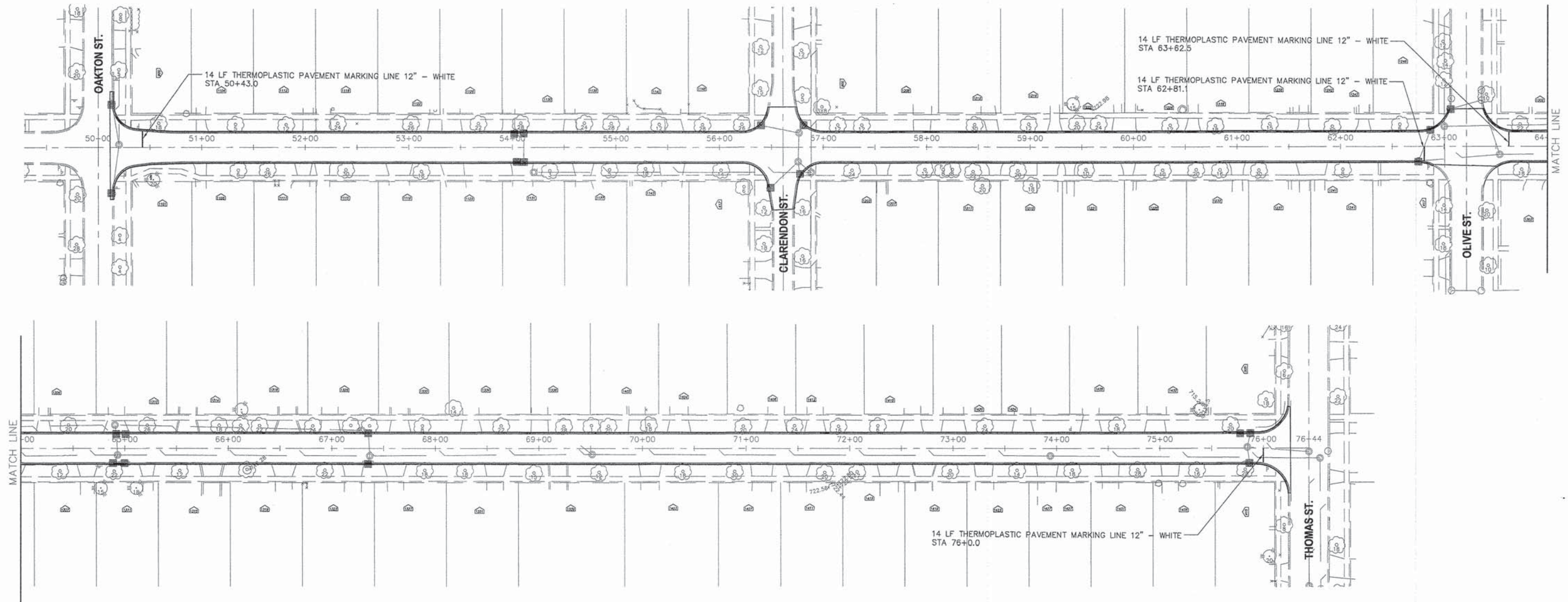
LEGEND



FILE NAME = 2014 STP WALNUT AVE.dwg	USER NAME = chomuth	DESIGNED - BS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	WALNUT AVENUE TRAFFIC CONTROL PLAN		F.A.U. RTE. 2644	SECTION 13-00205-00-FP	COUNTY COOK	TOTAL SHEETS 53	SHEET NO. 24	
LAYOUT NAME = WALNUT TRAFFIC CONTROL	DRAWN - CH	CHECKED - JM	REVISED -		SCALE: NTS	SHEET NO. 24 OF 53 SHEETS	STA. TO STA.	FED ROAD DIST NO. 1 ILLINOIS FED. AID PROJECT				
PLOT SCALE = 20.00' / IN.	DATE - 06/19/2014											
PLOT DATE = Dec 12, 2014 - 3:09am												

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GRADES CHECKED	
B.M. NOTED	
STRUCTURE NOTATIONS CHFD	
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NOTE BOOK	
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EXACT LIMITS OF SODDING TO BE DETERMINED BY THE ENGINEER

LEGEND

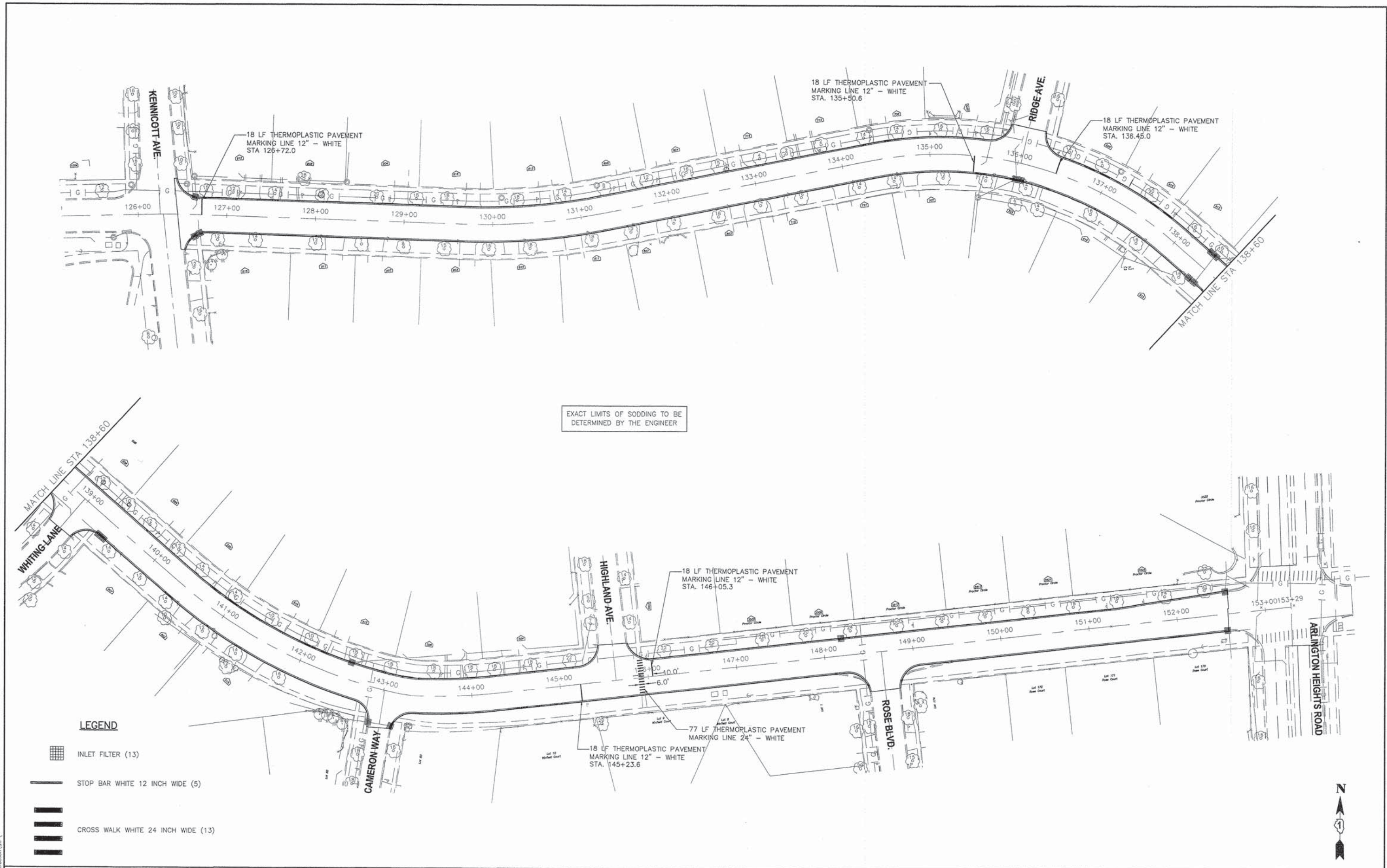
-  INLET FILTER (17)
-  STOP BAR WHITE 12 INCH WIDE (4)



FILE NAME = 2014 STP WALNUT AVE.dwg	USER NAME = chomuth	DESIGNED - BS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	WALNUT AVENUE EROSION CONTROL / STRIPING PLAN		F.A.U. RTE. 2644	SECTION 13-00205-00-FP	COUNTY COOK	TOTAL SHEETS 53	SHEET NO. 27	
	LAYOUT NAME = Erosion Striping	DRAWN - CH	REVISED -		SCALE: 1"=50'	SHEET NO. 27 OF 53 SHEETS	STA. TO STA.	CONTRACT NO. 61A97				
	PLOT SCALE = 50.00' / IN.	CHECKED - JM	REVISED -		FED ROAD DIST NO. 1 ILLINOIS FED. AID PROJECT							
	PLOT DATE = Dec 12, 2014 - 3:08am	DATE - 06/19/2014	REVISED -									




PLAN	DATE	BY
	NO.	
NOTE BOOK	NO.	
	NO.	
STRUCTURE NOTATIONS CHFD	NO.	
	NO.	

PROFILE	DATE	BY
	NO.	
NOTE BOOK	NO.	
	NO.	
STRUCTURE NOTATIONS CHFD	NO.	
	NO.	



EXACT LIMITS OF SODDING TO BE DETERMINED BY THE ENGINEER

LEGEND

-  INLET FILTER (13)
-  STOP BAR WHITE 12 INCH WIDE (5)
-  CROSS WALK WHITE 24 INCH WIDE (13)

FILE NAME = 2014 STP NICHOLS RD.DWG

USER NAME = chomuth
 LAYOUT NAME = Nichols ErosionControl
 PLOT SCALE = 50.00' / IN.
 PLOT DATE = Dec 12, 2014-3:35am

DESIGNED - BS
 DRAWN - CH
 CHECKED - JM
 DATE - 06/19/2014

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**NICHOLS ROAD
 EROSION CONTROL / STRIPING**

HORIZ. 1"=50' SHEET NO. 28 OF 53 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2644	13-00205-00-FP	COOK	53	28
FED ROAD DIST NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 61A97	



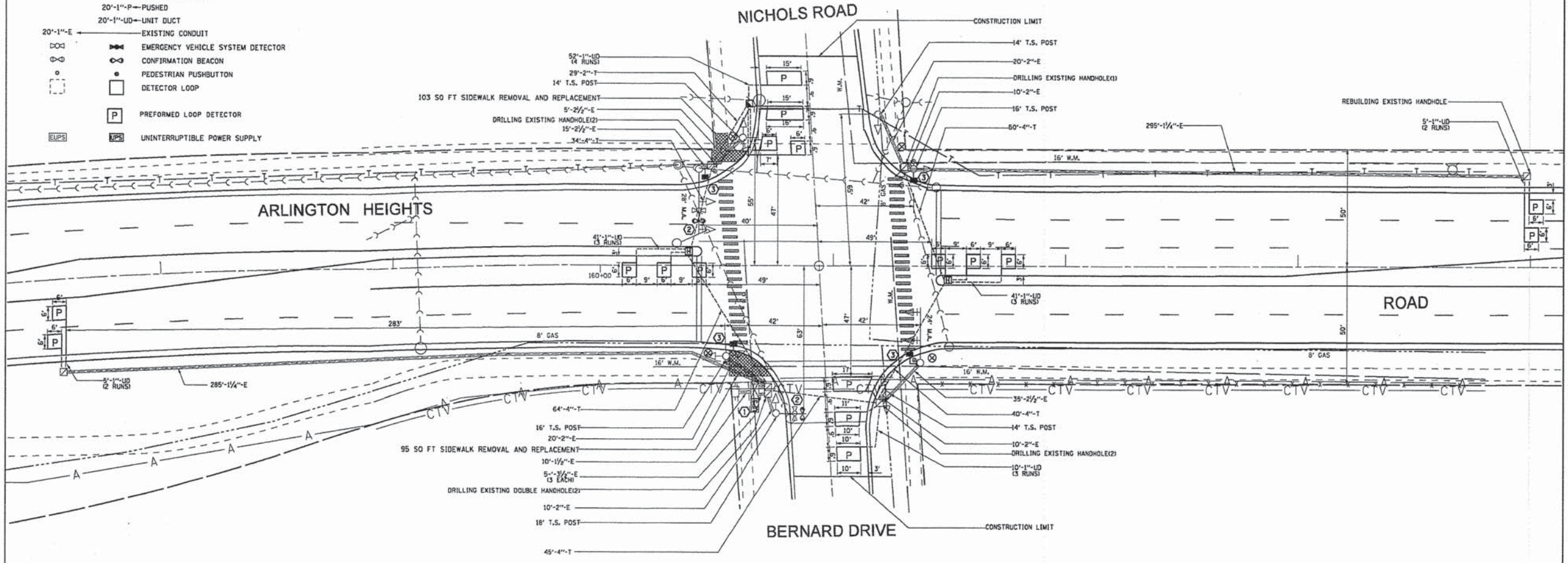
COUNTY HIGHWAY	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
V69	2010	75	151

SECTION: 09-V6946-03-RP



LEGEND

- | EXISTING | PROPOSED | |
|----------|----------|--------------------------------------|
| | | CONTROLLER |
| | | SERVICE INSTALLATION |
| | | SIGNAL HEAD |
| | | SIGNAL HEAD, OPTICALLY PROGRAMMED |
| | | SIGNAL HEAD AND POST |
| | | SIGNAL HEAD WITH BACKPLATE |
| | | SIGNAL HEAD, PEDESTRIAN |
| | | SIGNAL POST |
| | | MAST ARM ASSEMBLY AND POLE, STEEL |
| | | MAST ARM ASSEMBLY AND POLE, ALUMINUM |
| | | HANDHOLE |
| | | HEAVY DUTY HANDHOLE |
| | | DOUBLE HANDHOLE |
| | | GALVANIZED STEEL CONDUIT |
| | | CONDUIT SPLICE |
| | | IN TRENCH |
| | | SIZE OF CONDUIT |
| | | LENGTH OF CONDUIT |
| | | 20'-1" P - PUSHED |
| | | 20'-1" UD - UNIT DUCT |
| | | EXISTING CONDUIT |
| | | EMERGENCY VEHICLE SYSTEM DETECTOR |
| | | CONFIRMATION BEACON |
| | | PEDESTRIAN PUSHBUTTON |
| | | DETECTOR LOOP |
| | | PREFORMED LOOP DETECTOR |
| | | UNINTERRUPTIBLE POWER SUPPLY |



PLAN	REVISION	DATE

PROFILE	REVISION	DATE

SCALE 1"=20'

COUNTY OF COOK
DEPARTMENT OF HIGHWAYS

TRAFFIC SIGNAL INSTALLATION
ARLINGTON HEIGHTS ROAD AT
BERNARD DRIVE/NICHOLS ROAD
(DESIGN PLAN)

COMPUTED	FL	APPROVED	20
DRAWN	FL		
CHECKED	FL/BJJ		

CHIEF ENGINEER

FILE NAME = 2014 STP Signals.dwg

USER NAME = chomuth
 LAYOUT NAME = Traffic Signal 1
 PLOT SCALE = 20.00' / IN.
 PLOT DATE = Dec 12, 2014-4:08am

DESIGNED - BS
 DRAWN - CH
 CHECKED - JM
 DATE - 06/19/2014

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TRAFFIC SIGNAL INSTALLATION PLAN -
FOR INFORMATIONAL PURPOSE ONLY

SCALE: VERT. N/A SHEET NO. 29 OF 53 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2644	13-00205-00-FP	COOK	53	29

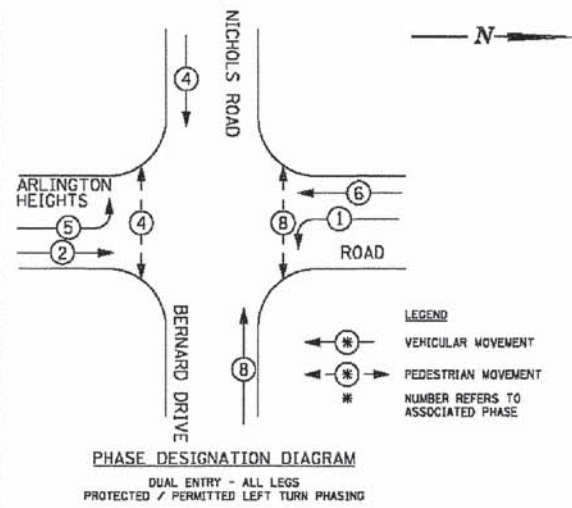
CONTRACT NO. 61A97
FED ROAD DIST NO. 1 ILLINOIS FED. AID PROJECT

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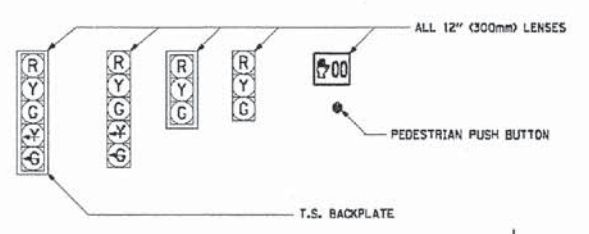
COUNTY HIGHWAY	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
V69	2010	76	151

SECTION: 02-V6946-03-RP

EXISTING CONTROLLER SEQUENCE

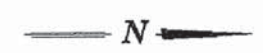


SIGNAL FACES



SIGNAL LENSES

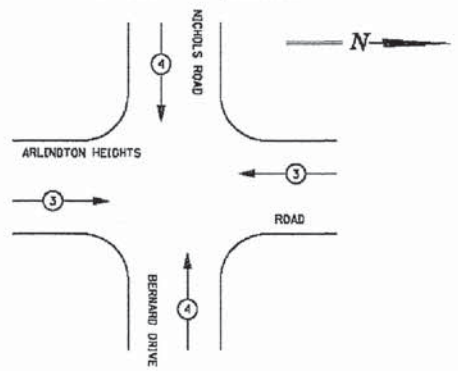
- R RED
- Y YELLOW
- G GREEN
- Y- YELLOW TURN INDICATOR
- G GREEN TURN INDICATOR



CABLE PLAN LEGEND

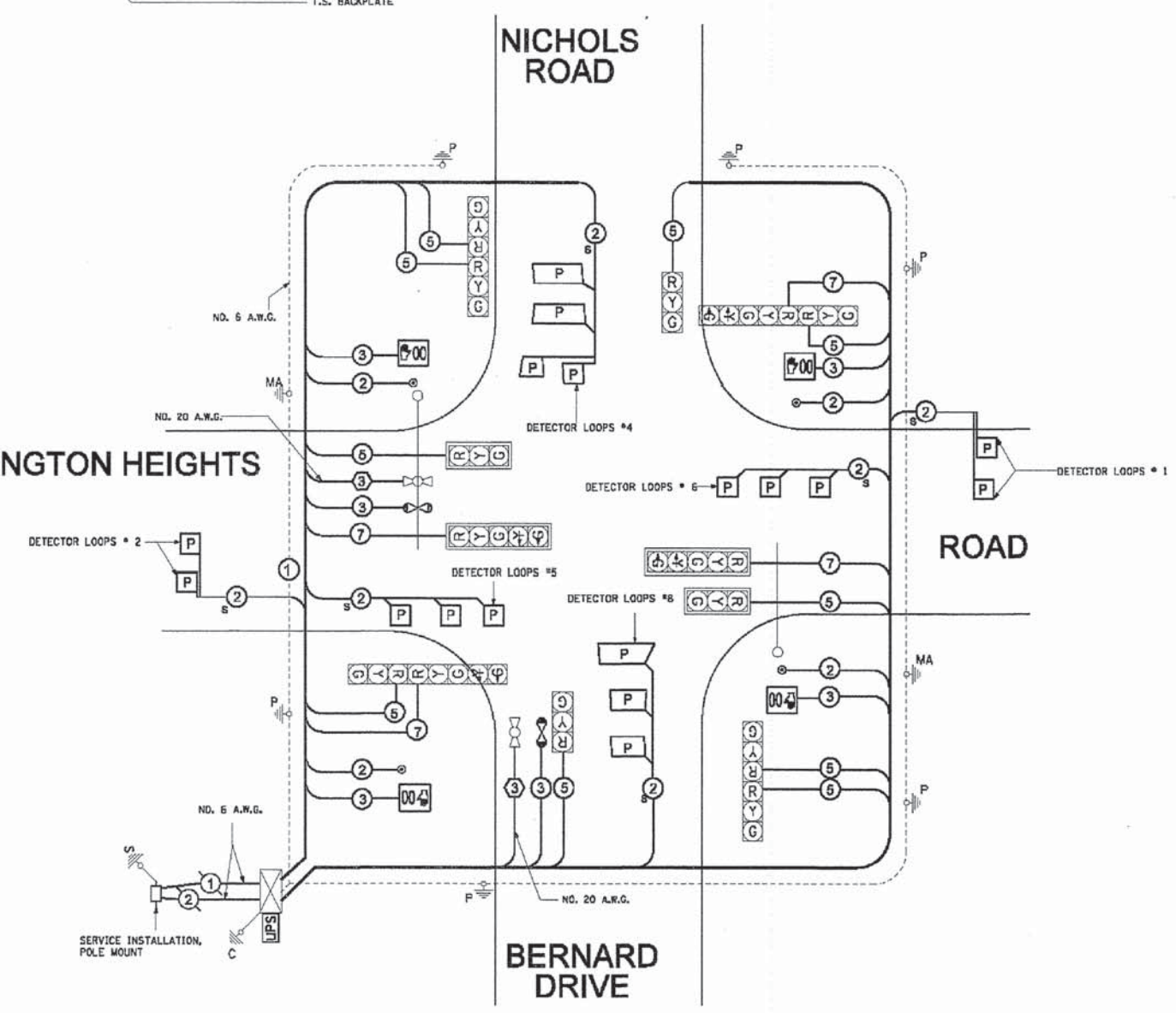
	PROPOSED	EXISTING
CONTROLLER CABINET		
SERVICE INSTALLATION		
8" (200mm) TRAFFIC SIGNAL SECTION		
12" (300mm) TRAFFIC SIGNAL SECTION		
12" (300mm) PEDESTRIAN SIGNAL SECTION		
DENOTES NUMBER OF CONDUCTORS ALL CABLE NO. 14 EXCEPT AS INDICATED. ALL LOOP DETECTOR CABLE TO BE TWISTED AND SHIELDED.		
TELEPHONE INSTALLATION		
VEHICLE DETECTOR, INDUCTION LOOP		
SHIELDED & TWISTED		
EMERGENCY VEHICLE LIGHT DETECTOR		
CONFIRMATION BEACON		
OPTICOM CABLE, NO. 20		
12" (300mm) PEDESTRIAN SIGNAL HEAD		
PUSHBUTTON DETECTOR		
SIGNAL FACE WITH BACKPLATE, "P" INDICATES PROGRAMMED HEAD.		
GROUND ROD AT HANDHOLE (H), DOUBLE HANDHOLE (H), CONTROLLER (C), SERVICE (S).		
16" (406mm) x 16" (457mm) PEDESTRIAN COUNTDOWN SIGNAL HEAD		
PERFORMED LOOP DETECTOR		
UNINTERRUPTIBLE POWER SUPPLY		

EMERGENCY VEHICLE PREEMPTION SEQUENCE



EXISTING EMERGENCY VEHICLE PREEMPTOR		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT		

ARLINGTON HEIGHTS



CABLE PLAN
 NOT TO SCALE

- NOTE:**
- THIS IS A SYSTEM GROUND THAT SHALL INTERCONNECT ALL GROUND RODS WITH NO. 6 1C COPPER AWG.
 - THE NEUTRAL AND GROUND SHALL BE TIED AT THE SERVICE INSTALLATION BUT SEPARATE AT THE TRAFFIC CABINET.

COUNTY OF COOK DEPARTMENT OF HIGHWAYS	
TRAFFIC SIGNAL INSTALLATION ARLINGTON HEIGHTS ROAD AT BERNARD DRIVE/NICHOLS ROAD CABLE PLAN	
COMPUTED FL	APPROVED _____ 20
DRAWN FL	
CHECKED PLW/BJ	

PLAN	DATE	BY
NO. _____		
NO. _____		
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PROFILE	DATE	BY
NO. _____		
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FILE NAME = 2014 STP Signals.dwg

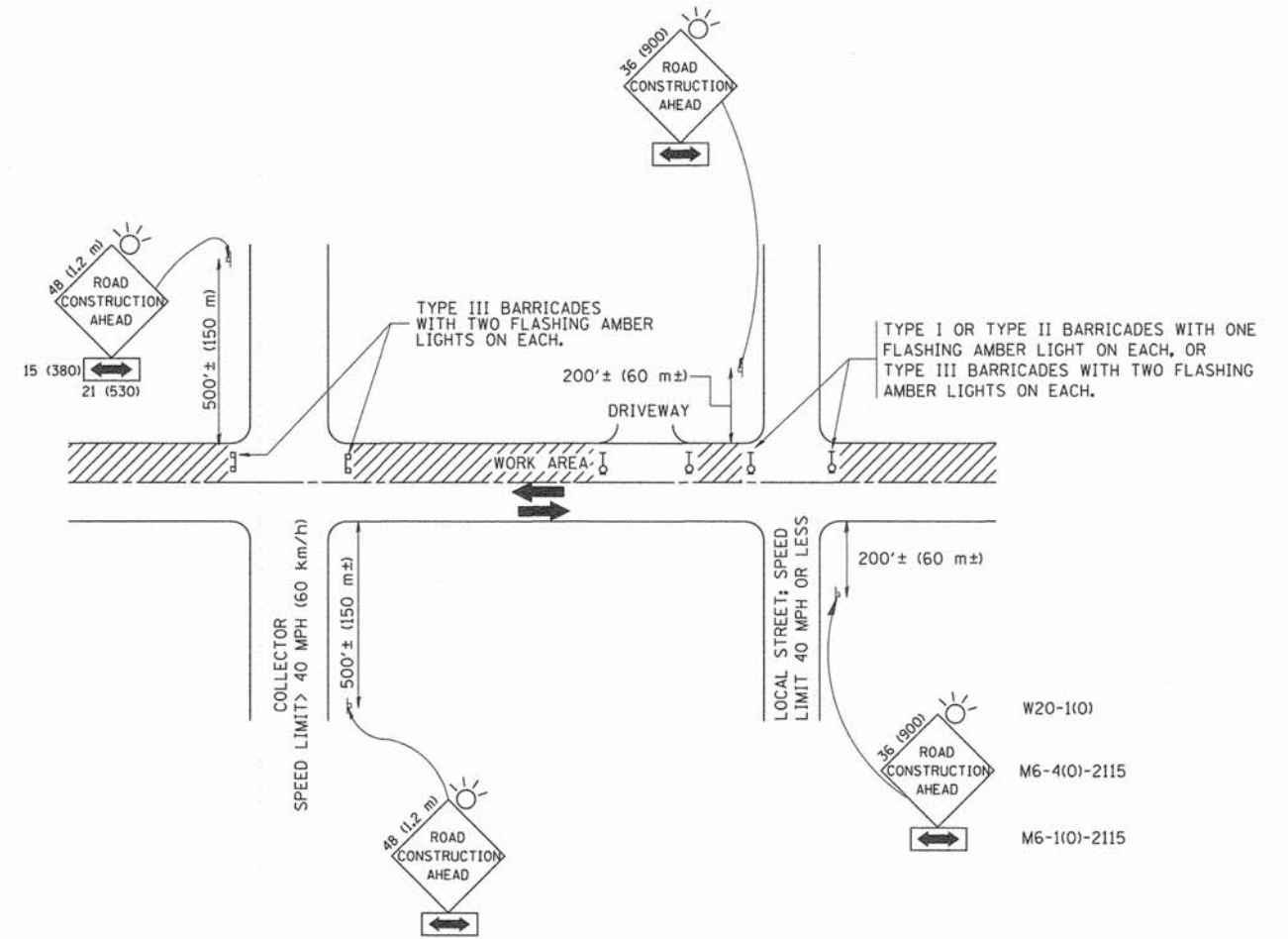
USER NAME = chomuth	DESIGNED -- BS	REVISED --
LAYOUT NAME = Traffic Signal Cable	DRAWN -- CH	REVISED --
PLOT SCALE = 20.00' / IN.	CHECKED -- JM	REVISED --
PLOT DATE = Dec 12, 2014-4:08am	DATE -- 06/19/2014	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL CABLE PLAN - FOR
INFORMATIONAL PURPOSE ONLY

SCALE: VERT. N/A SHEET NO. 30 OF 53 SHEETS

F.A.U. RITE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2644	13-00205-00-FP	COOK	53	30
FED ROAD DIST NO. 1 ILLINOIS FED. AID PROJECT		CONTRACT NO. 61A97		



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.

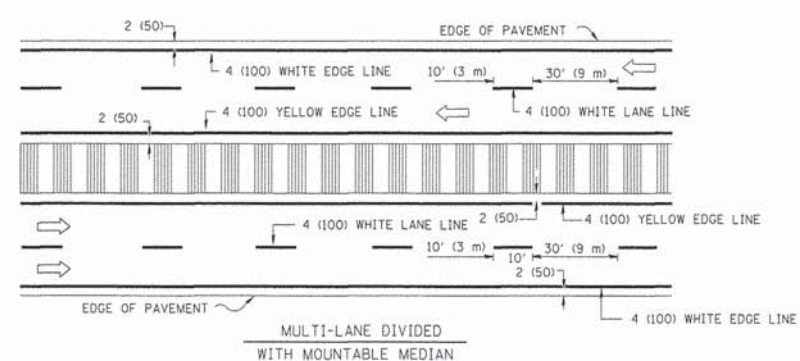
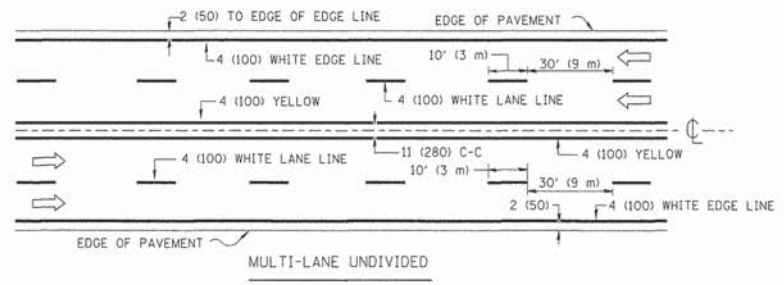
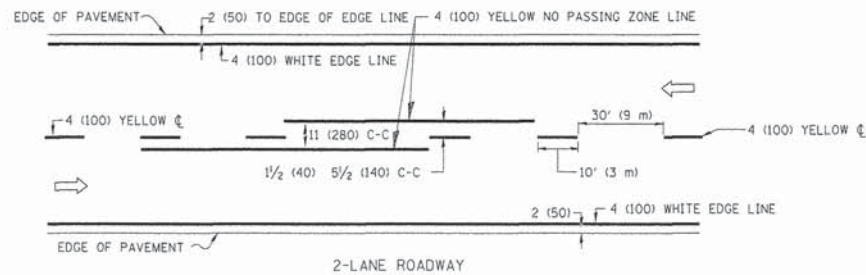
D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

FILE NAME = W:\diststd\22x34\tdl@dgn	USER NAME = gaglienobt	DESIGNED - LHA	REVISED - J. OBERLE 10-18-95
	PLOT SCALE = 50.000 ' / IN.	DRAWN -	REVISED - A. HOUSEH 03-06-96
	PLOT DATE = 1/4/2000	CHECKED -	REVISED - A. HOUSEH 10-15-96
		DATE - 06-89	REVISED - T. RAMMACHER 01-06-00

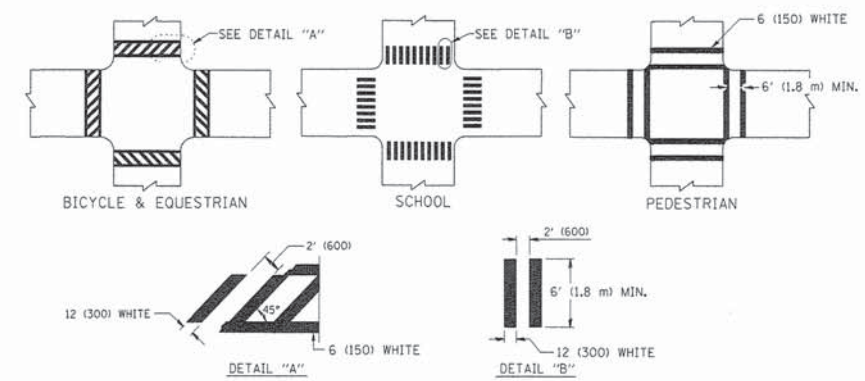
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS		F.A. - RTE. -	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	2644	13-00205-00-FP	COOK	53	31A
STA. TO STA.		TC-10		CONTRACT NO. 61A97		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT						

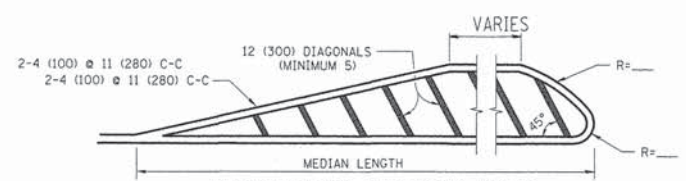
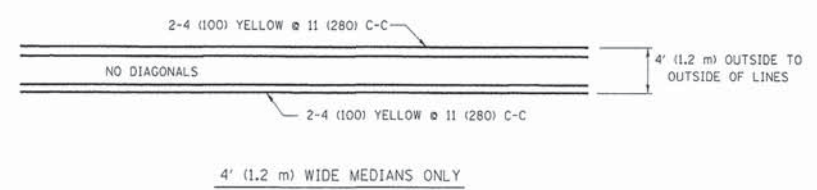


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

TYPICAL LANE AND EDGE LINE MARKING

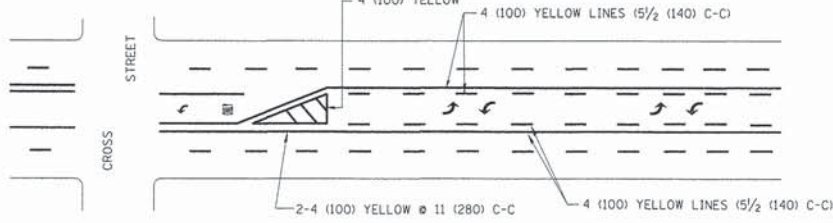


TYPICAL CROSSWALK MARKING

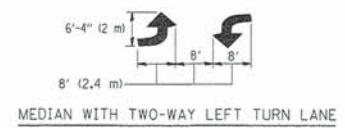


FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.
 DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
 75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)
 150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

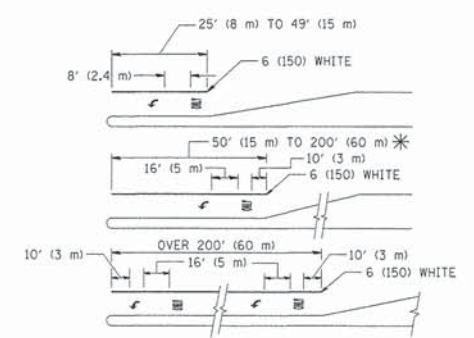
MEDIANS OVER 4' (1.2 m) WIDE



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.



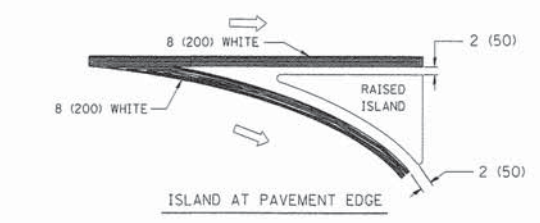
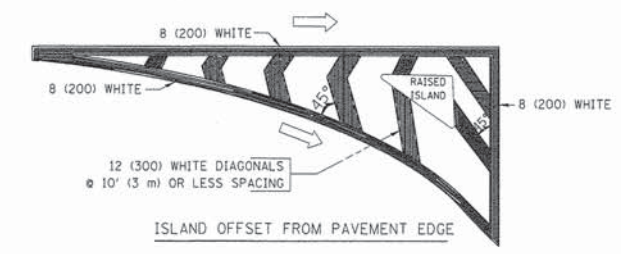
TYPICAL PAINTED MEDIAN MARKING



FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
 AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)
 * 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

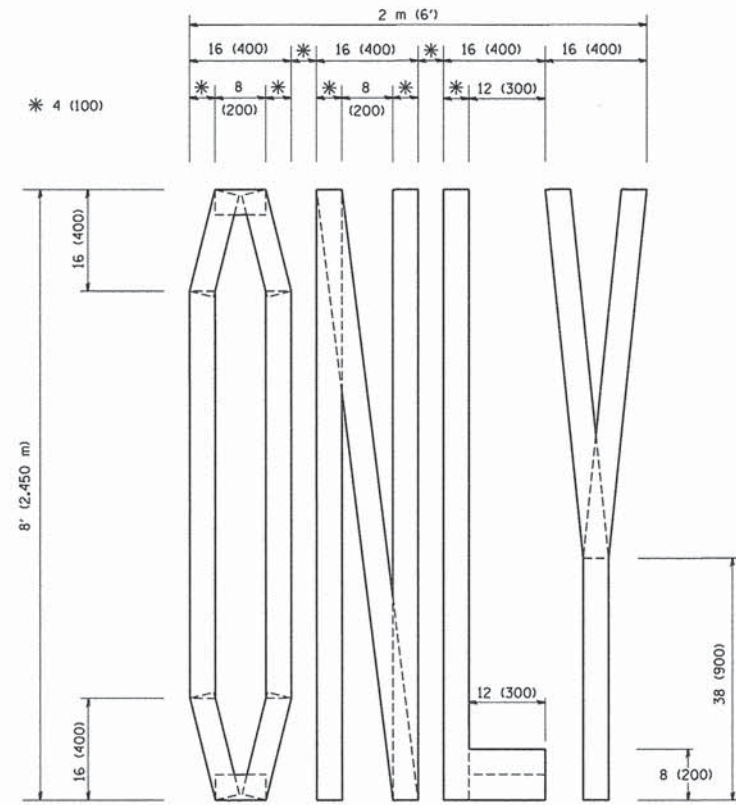


TYPICAL ISLAND MARKING

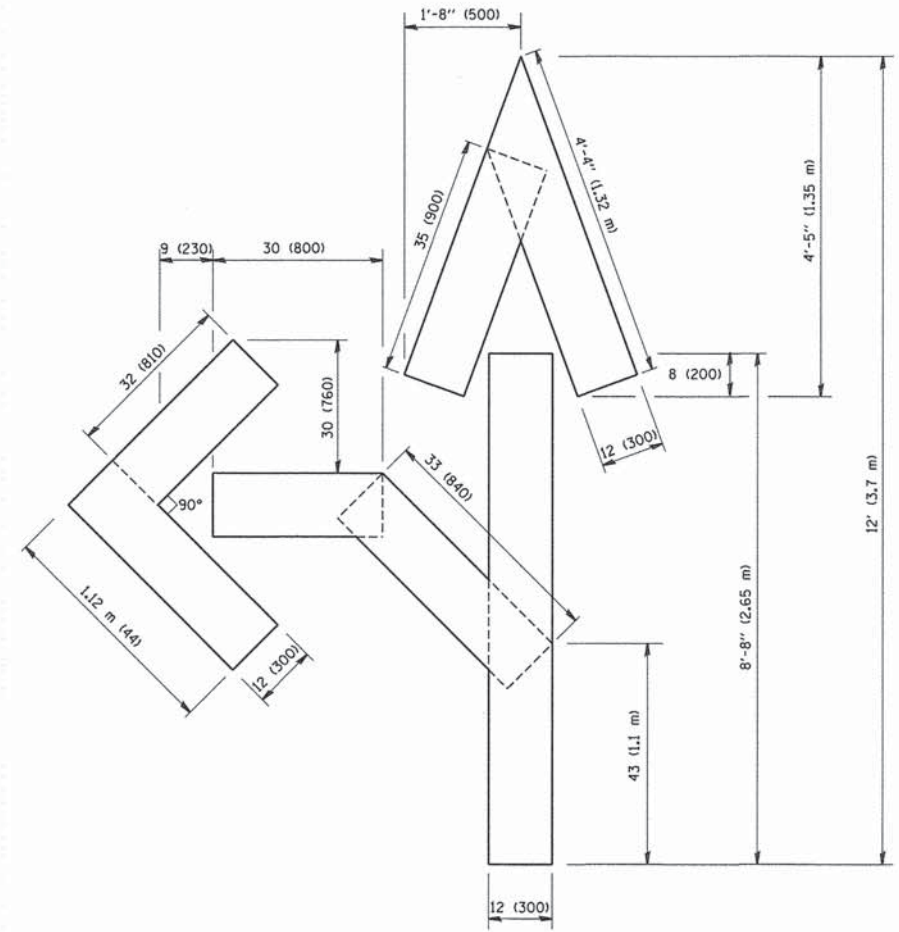
TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5/2 (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; 5/2 (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" 15' 6" (4.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF "RR"=3.6 SQ. FT. (0.33 m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)
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.

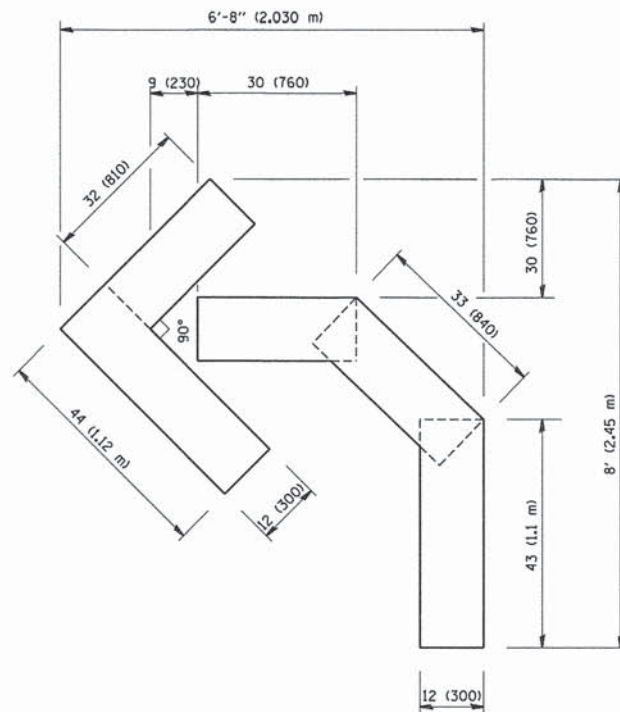
All dimensions are in inches (millimeters) unless otherwise shown.



QUANTITY
 4 (100) LINE = 64.1 ft. (19.7 m)
 21.1 sq. ft. (1.97 sq. m)



QUANTITY
 4 (100) LINE = 82.5 ft. (25.3 m)
 27.5 sq. ft. (2.53 sq. m)



QUANTITY
 4 (100) LINE = 45.5 ft. (13.9 m)
 15.2 sq. ft. (1.39 sq. m)

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

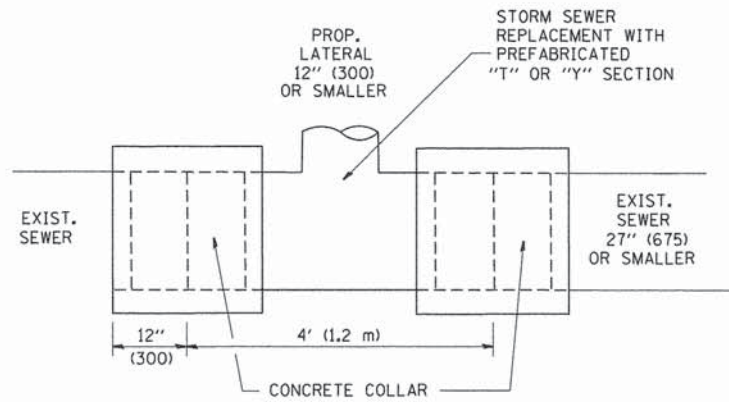
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		CHECKED -	REVISED -T, RAMMACHER 03-02-98
		DATE - 09-18-94	REVISED -E, GOMEZ 08-28-00

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING LETTERS AND SYMBOLS
 FOR TRAFFIC STAGING

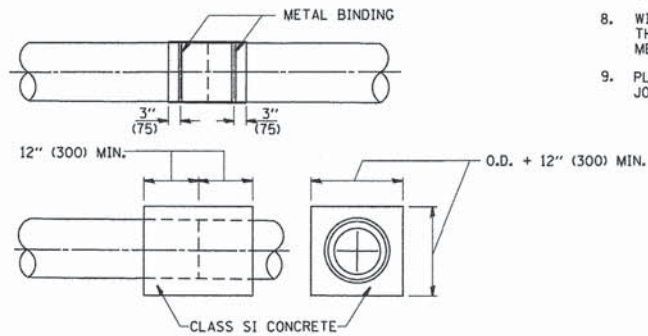
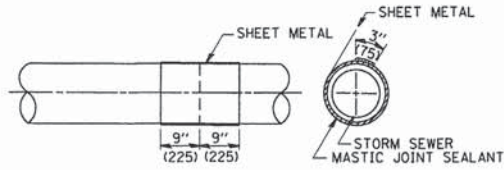
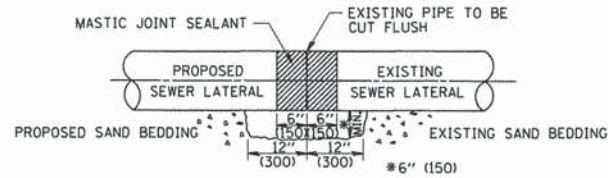
SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2644	13-00205-00-FP	COOK	53	31C
TC-16		CONTRACT NO. 61A97		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



DETAIL "A"

LATERAL CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER

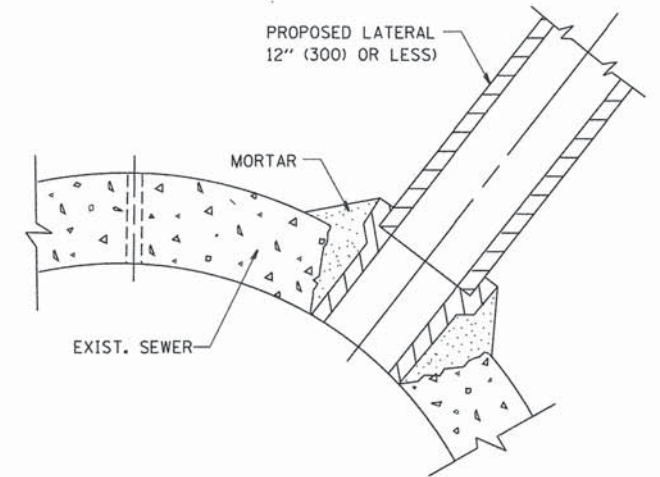


DETAIL "B"

CLASS SI CONCRETE COLLAR

CONSTRUCTION SEQUENCE

1. CUT THE EXISTING END OF THE PIPE SO AS TO PRESENT A FLUSH BUTT JOINT. BRUSH AND CLEAN ALL PIPES.
2. APPLY THE MASTIC JOINT SEALANT TO THE FIRST 6" (150) OF EACH PIPE.
3. BUTT THE PIPES TOGETHER LEAVING A MINIMUM OF 12' x 6' (300 x 150) DEEP EXCAVATION UNDER AND AROUND EACH PIPE END.
4. CUT A PIECE OF SHEET METAL GAGE NO. 19 I.I. (0.0418) 18" (450) WIDE BY THE OUTSIDE CIRCUMFERENCE OF THE PIPE PLUS 3" (75) LONG.
5. WRAP THE SHEET METAL AROUND THE PIPES, 9" (225) ON EACH SIDE OF THE JOINT, STARTING AT THE TOP OF THE PIPE.
6. LAP THE SHEET METAL AT LEAST 3" (75) AT THE TOP OF THE PIPE AND PLACE THE MASTIC JOINT SEALANT BETWEEN THE LAP.
7. PLACE TWO METAL BANDS AROUND THE SHEET METAL AND TIGHTEN.
8. WIPE OFF ANY EXCESS MASTIC JOINT SEALANT THAT OOOZES OUT FROM BETWEEN THE SHEET METAL AND THE PIPES.
9. PLACE CLASS SI CONCRETE AROUND THE JOINT.



DETAIL "C"

PROPOSED LATERAL CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER

NOTES

MATERIAL

MATERIAL USED FOR THE TEE OR WYE SECTION SHALL BE COMPATIBLE WITH THE EXISTING STORM SEWER OR THE PROPOSED STORM SEWER.

CONSTRUCTION METHODS

- I. THIS WORK SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE APPLICABLE PORTIONS OF SECTION 550 OF THE STANDARD SPECIFICATIONS.
- II. CONNECTION TO AN EXISTING STORM SEWER SHALL BE BY EITHER OF THE FOLLOWING METHODS:
 - A) PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER SEE DETAIL "A" AND "B".
 - B) PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER SEE DETAIL "C".

IF THE EXISTING SEWER PIPE IS CRACKED, BROKEN OR OTHERWISE DAMAGED BY THE CONTRACTOR IN MAKING THE CIRCULAR OPENING, THE CONTRACTOR SHALL REPLACE THAT SECTION OF PIPE WITH PIPE EQUAL AND SIMILAR IN ALL RESPECTS TO THE PIPE IN THE EXISTING SEWER, IN A CAREFUL WORKMANLIKE MANNER, WITHOUT EXTRA COMPENSATION.

GENERAL

CARE MUST BE TAKEN TO PREVENT DEBRIS FROM ENTERING THE SEWER. ALL DEBRIS WHICH ENTERS THE SEWER MUST BE REMOVED. THE SEWER MUST BE LEFT CLEAN AND UNOBSTRUCTED UPON COMPLETION OF THE CONTRACT.

CARE MUST BE TAKEN TO PREVENT ANY PART OF THE NEW PIPE CONNECTION FROM PROJECTING INTO THE EXISTING SEWER.

BASIS OF PAYMENT

TEE OR WYE CONNECTIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR STORM SEWER TEE OR WYE OF THE TYPE AND SIZE SPECIFIED IN THE PLANS, THIS PRICE SHALL INCLUDE ALL EXCAVATION OF THE TRENCH, REMOVAL OF THE EXISTING STORM SEWER, FURNISHING AND INSTALLING THE SPECIFIED TEE OR WYE SECTION, FURNISHING AND INSTALLING THE REQUIRED CONCRETE COLLAR, AND ALL OTHER MATERIAL NECESSARY TO COMPLETE THIS WORK AS SHOWN AND SPECIFIED.

REMOVAL AND REINSTALLATION OF EXISTING STORM SEWER ADJACENT TO THE PROPOSED TEE OR WYE SECTION, FOR THE PURPOSE OF FACILITATING THE INSTALLATION OF THE TEE OR WYE SECTION, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE WORK.

TRENCH BACKFILL, EXCAVATION IN ROCK AND REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL BELOW PLAN BEDDING GRADE WILL BE PAID FOR SEPARATELY.

CONCRETE COLLAR FOR CONNECTING A PROPOSED STORM SEWER TO AN EXISTING STORM SEWER WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE PROPOSED STORM SEWER.

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

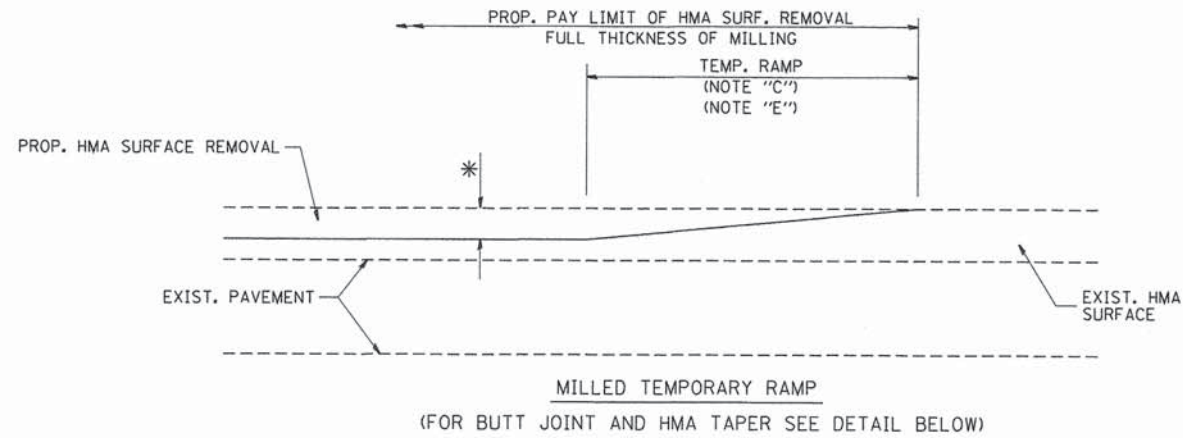
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		DRAWN -	REVISED - R. SHAH 09-09-94
	PLOT SCALE = 50,000 / 1 IN.	CHECKED -	REVISED - R. SHAH 10-25-94
	PLOT DATE = 1/4/2008	DATE - 07-25-90	REVISED - R. SHAH 06-12-96

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

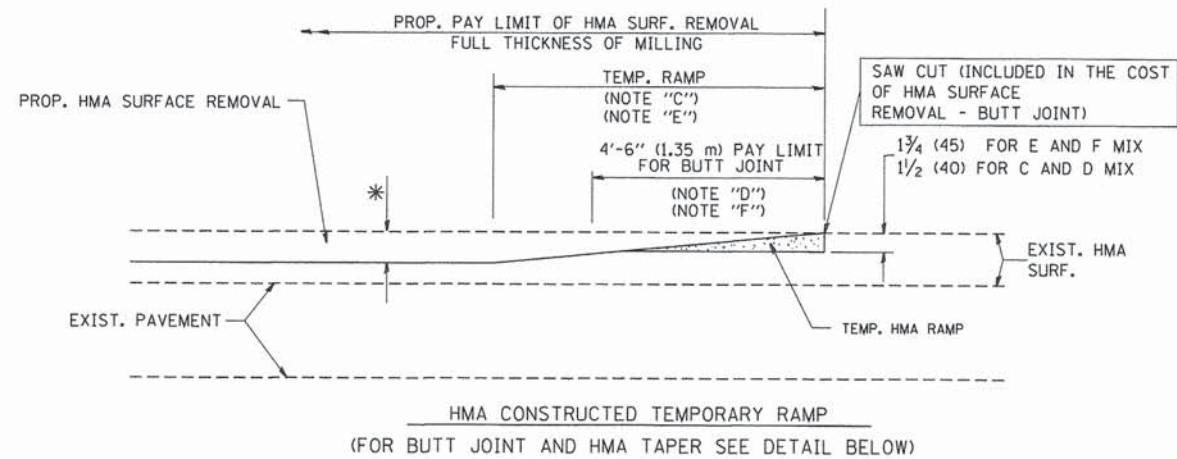
DETAIL OF STORM SEWER
CONNECTION TO EXISTING SEWER

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2644	13-00205-00-FP	COOK	53	31D
BD500-01 (BD-7)			CONTRACT NO. 61A97	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

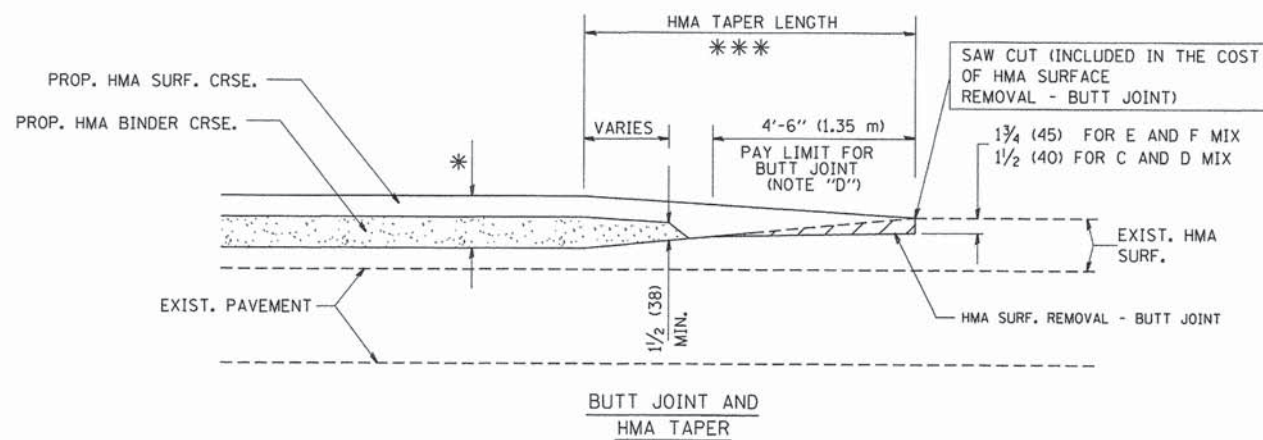


OPTION 1

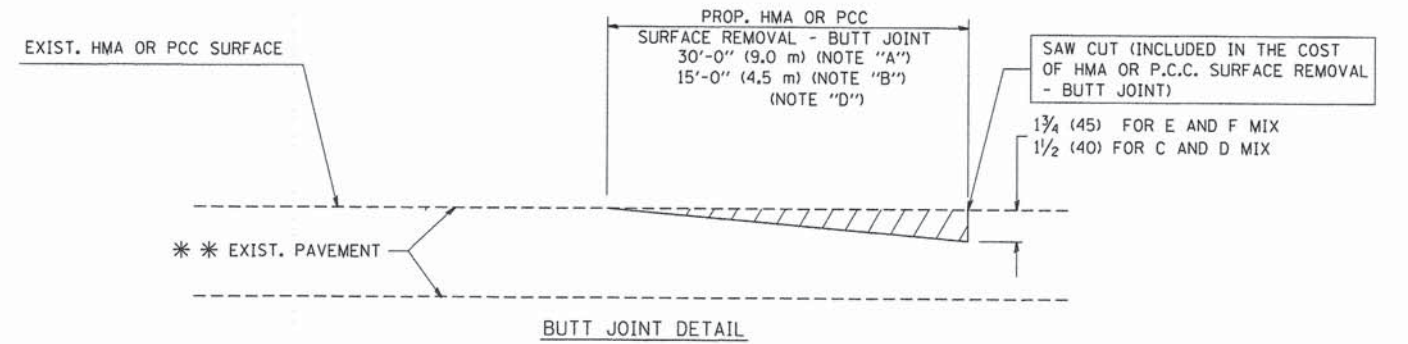


OPTION 2

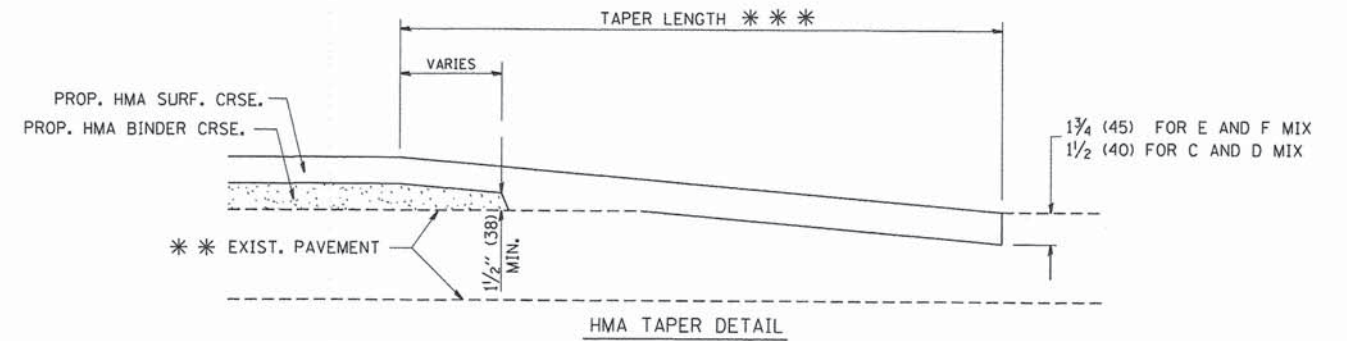
TYPICAL TEMPORARY RAMP



TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

*** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

NOTES

- A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
 - B: MINOR SIDE ROADS.
 - C: THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
 - D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
 - E: TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.
 - F: INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT
 - G: SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
- * SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- *** 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT:

THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT".

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

FILE NAME = W:\distatd\22x34\bd32.dgn	USER NAME = geglienobt	DESIGNED - M. DE YONG	REVISED - R. SHAH 10-25-94
		DRAWN -	REVISED - A. ABBAS 03-21-97
		PLOT SCALE = 50,0000 "/ IN.	REVISED - M. GOMEZ 04-06-01
		PLOT DATE = 1/4/2008	REVISED - R. BORO 01-01-07
		DATE - 06-13-90	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

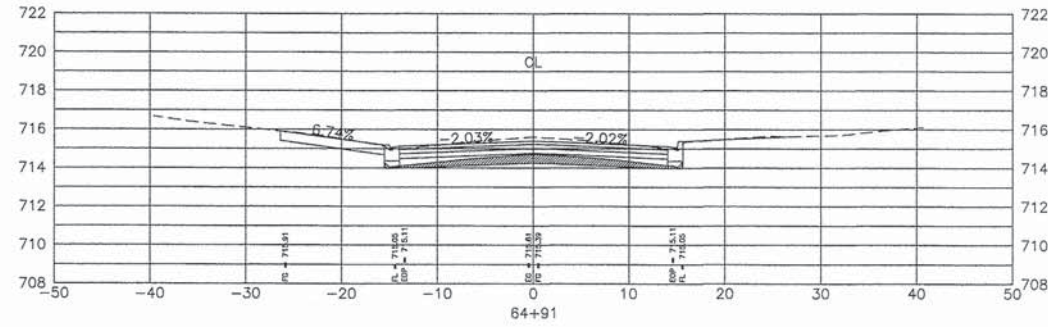
**BUTT JOINT AND
HMA TAPER DETAILS**

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

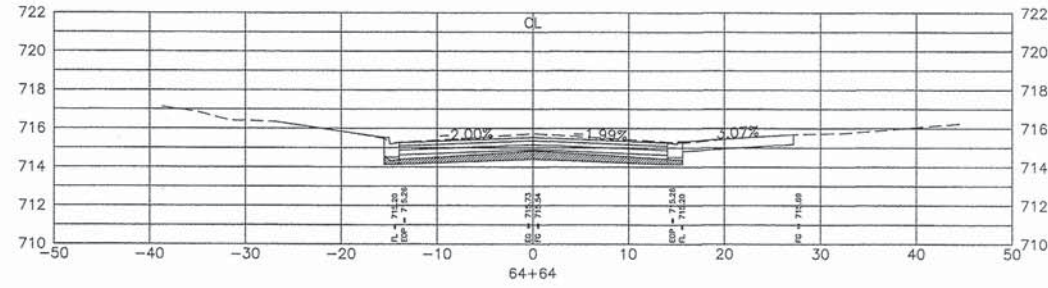
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2644	13-00205-00-FP	COOK	53	31E
BD400-05 BD32		CONTRACT NO. 61A97		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
	GRADES CHECKED		
NOTE BOOK NO.	BY		
	NO.		
STRUCTURE NOTATIONS CHWD			

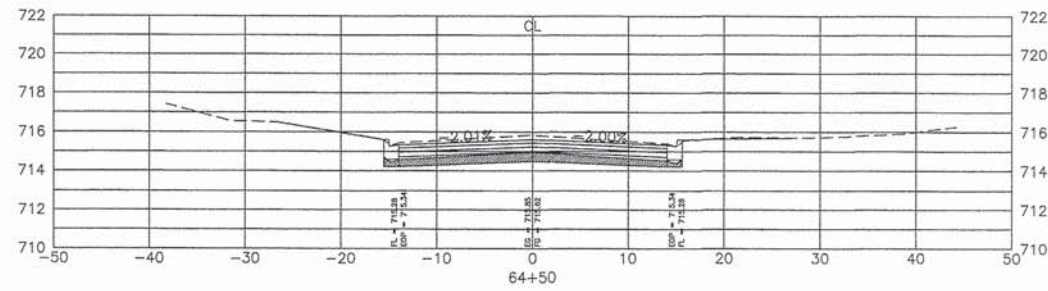
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NOTE BOOK NO.	BY		
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STRUCTURE NOTATIONS CHWD			



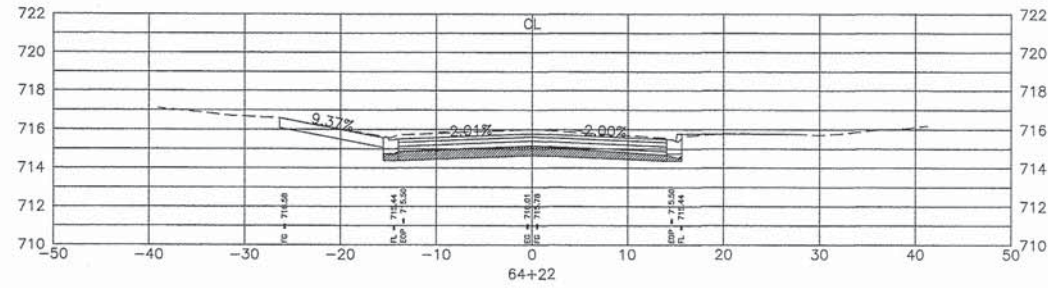
Total Volume at Station 64+91	
Cut Area	9.52 S.F.
Fill Area	0.00 S.F.



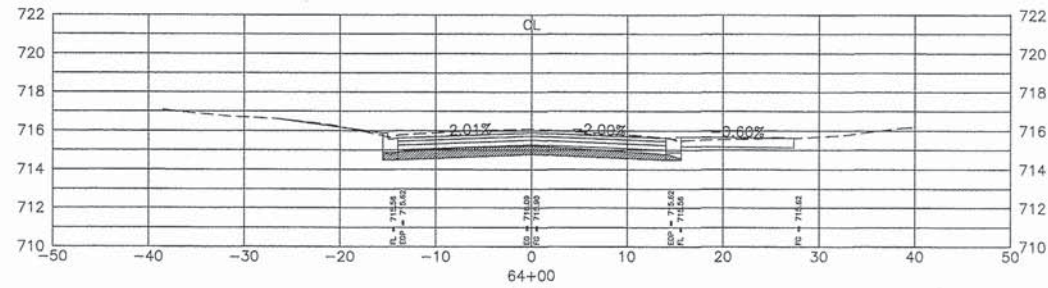
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Cut Area	10.79 S.F.
Fill Area	0.00 S.F.



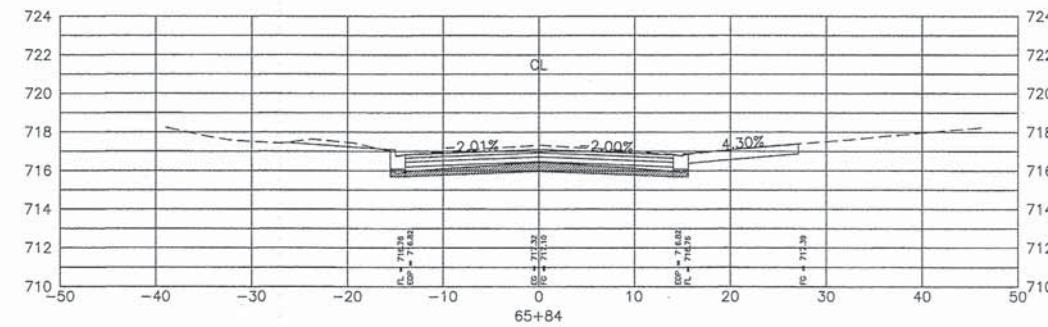
Total Volume at Station 64+50	
Cut Area	12.14 S.F.
Fill Area	0.00 S.F.



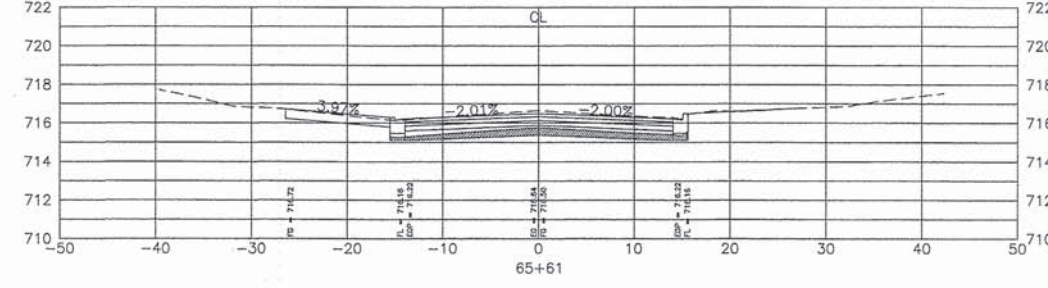
Total Volume at Station 64+22	
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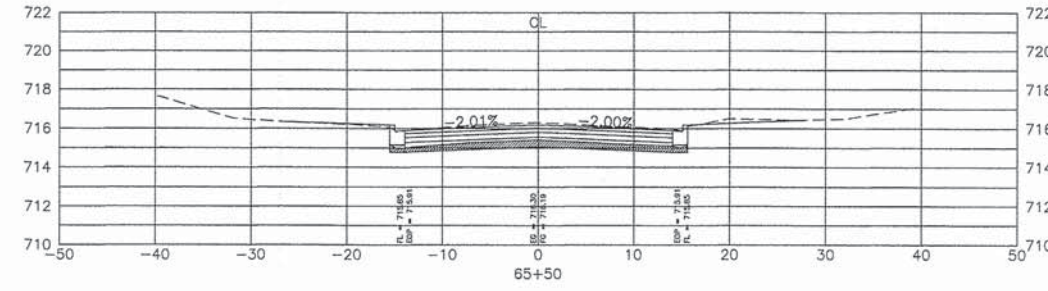
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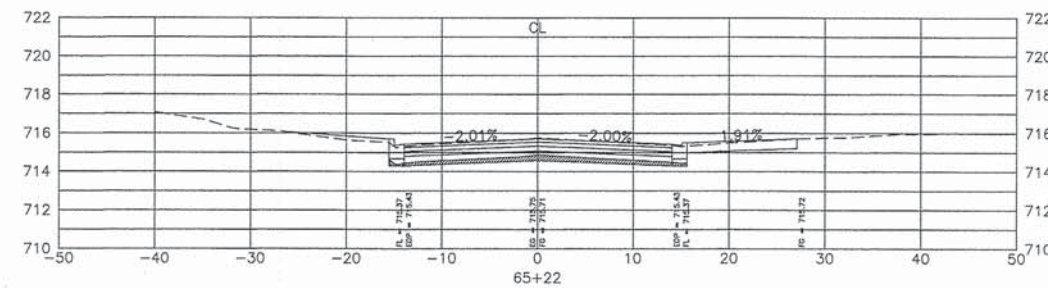
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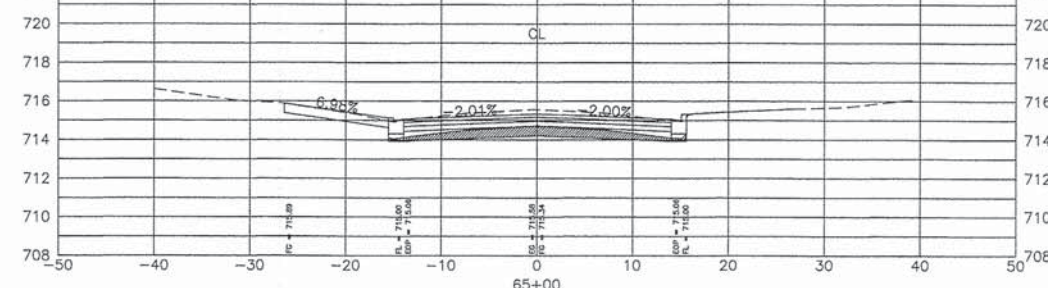
Total Volume at Station 65+61	
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Fill Area	0.00 S.F.



Total Volume at Station 65+50	
Cut Area	9.91 S.F.
Fill Area	0.00 S.F.



Total Volume at Station 65+22	
Cut Area	6.75 S.F.
Fill Area	0.00 S.F.



Total Volume at Station 65+00	
Cut Area	11.21 S.F.
Fill Area	0.00 S.F.

FILE NAME = 2014 STP WALNUT AVE.dwg

USER NAME = chomuth
 LAYOUT NAME = CROSS-SECTIONS6
 PLOT SCALE = 20.00' / IN.
 PLOT DATE = Dec 12, 2014 - 3:25am

DESIGNED - BS
 DRAWN - CH
 CHECKED - JM
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

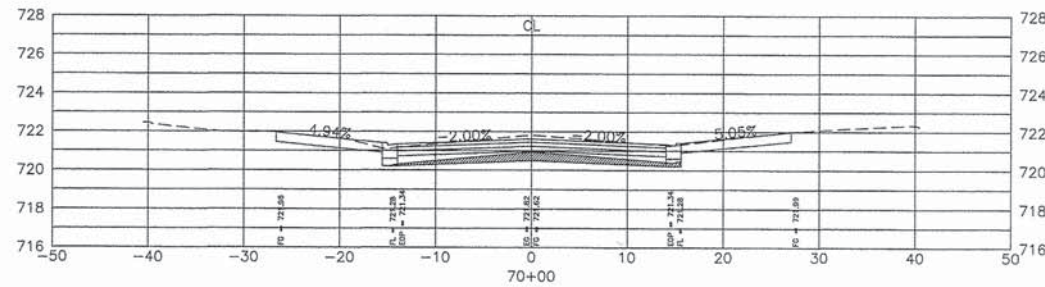
HORIZ. 1"=10'
 SCALE: VERT. 1"=5' SHEET NO. OF SHEETS STA. TO STA.

WALNUT AVENUE
 CROSS SECTIONS

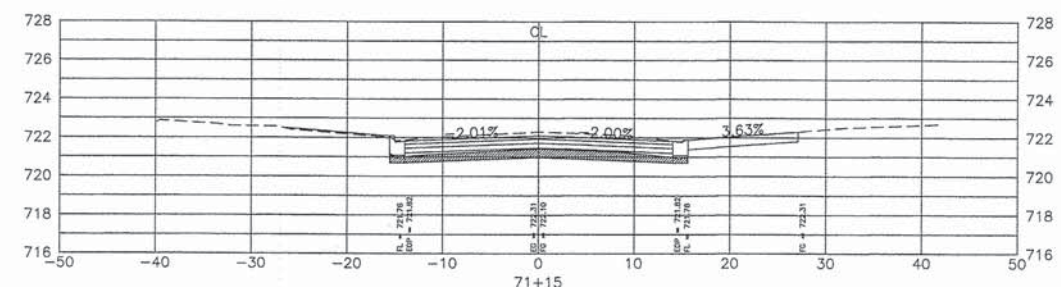
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2644	13-00205-00-FP	COOK	53	37
CONTRACT NO. 61A97			FED. AID PROJECT	

PLAN	DATE	BY
REVISIONS		
GRADES CHECKED		
STRUCTURE NOTATIONS CHKD		
NOTE BOOK NO.		

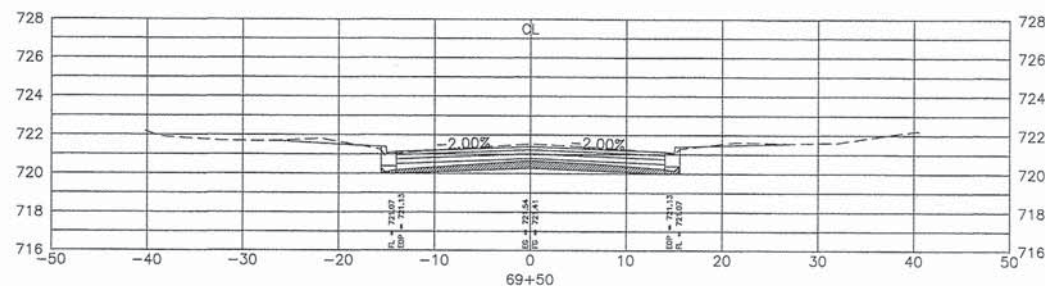
PROFILE	DATE	BY
REVISIONS		
GRADES CHECKED		
STRUCTURE NOTATIONS CHKD		
NOTE BOOK NO.		



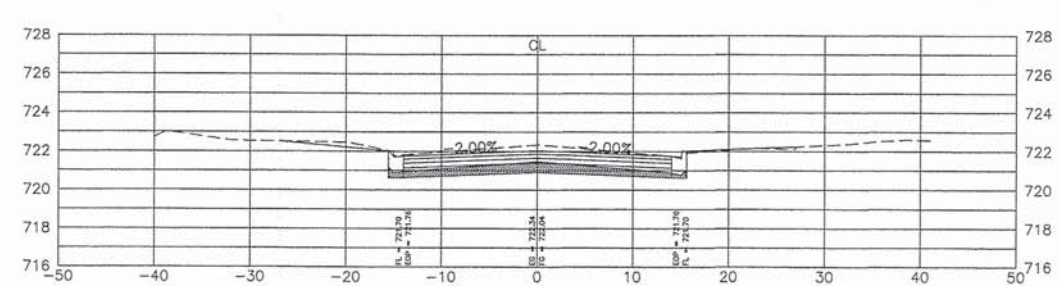
Total Volume at Station 70+00	
Cut Area	8.69 S.F.
Fill Area	0.00 S.F.



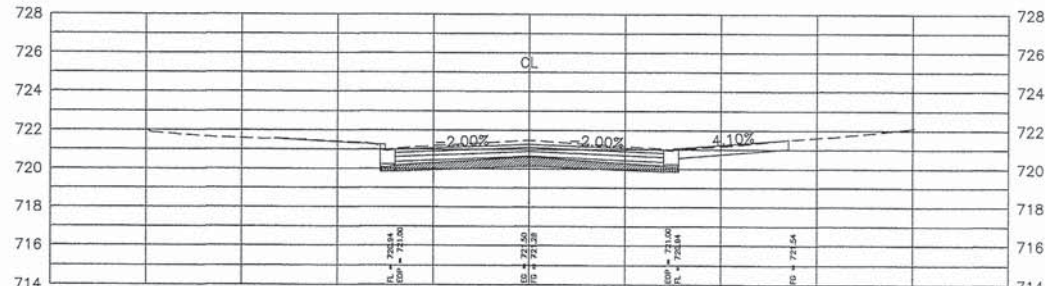
Total Volume at Station 71+15	
Cut Area	12.32 S.F.
Fill Area	0.00 S.F.



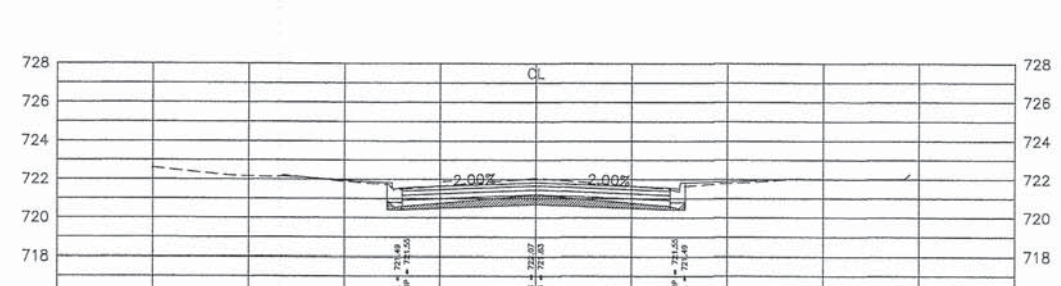
Total Volume at Station 69+50	
Cut Area	9.08 S.F.
Fill Area	0.00 S.F.



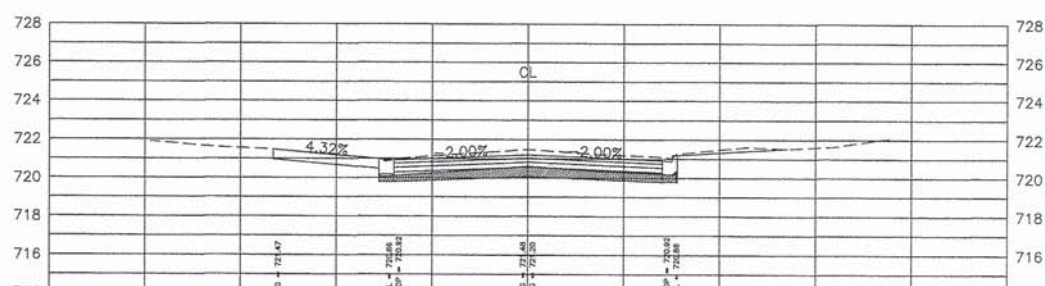
Total Volume at Station 71+00	
Cut Area	12.50 S.F.
Fill Area	0.00 S.F.



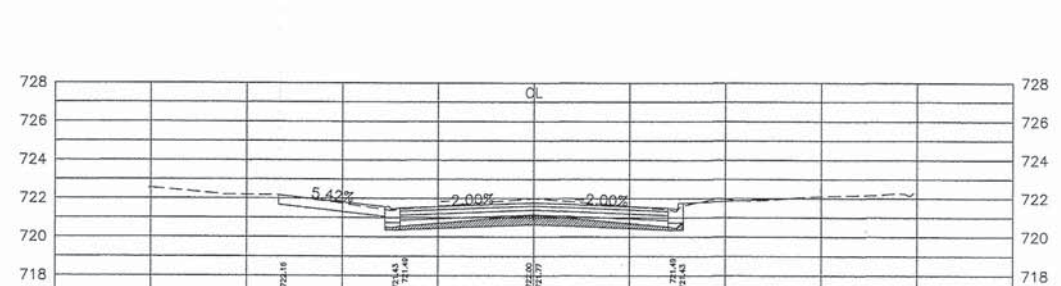
Total Volume at Station 69+18	
Cut Area	11.74 S.F.
Fill Area	0.00 S.F.



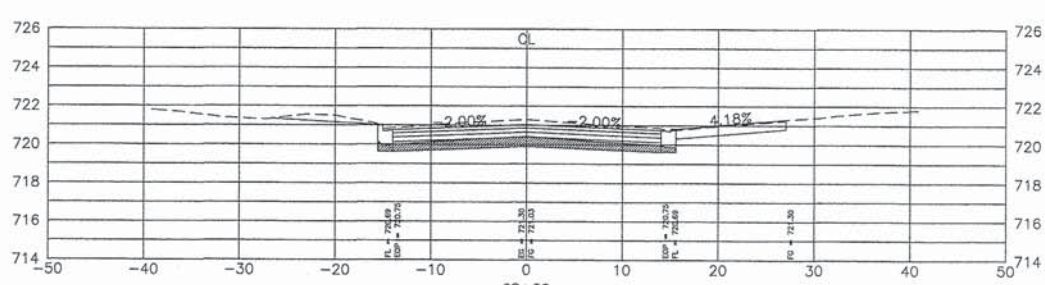
Total Volume at Station 70+50	
Cut Area	9.95 S.F.
Fill Area	0.00 S.F.



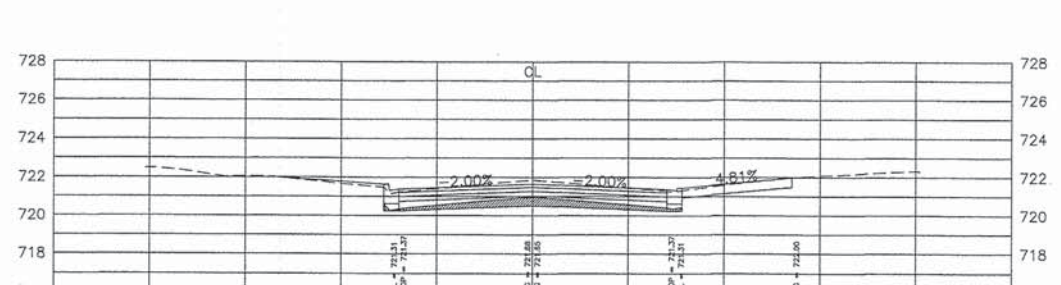
Total Volume at Station 69+00	
Cut Area	13.53 S.F.
Fill Area	0.00 S.F.



Total Volume at Station 70+36	
Cut Area	9.74 S.F.
Fill Area	0.00 S.F.



Total Volume at Station 68+60	
Cut Area	13.21 S.F.
Fill Area	0.00 S.F.



Total Volume at Station 70+08	
Cut Area	8.83 S.F.
Fill Area	0.00 S.F.

FILE NAME = 2014 STP WALNUT AVE.dwg

USER NAME = chomuth
 LAYOUT NAME = CROSS-SECTIONS
 PLOT SCALE = 20.00' / IN.
 PLOT DATE = Dec 12, 2014 - 3:28am

DESIGNED - BS
 DRAWN - CH
 CHECKED - JM
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

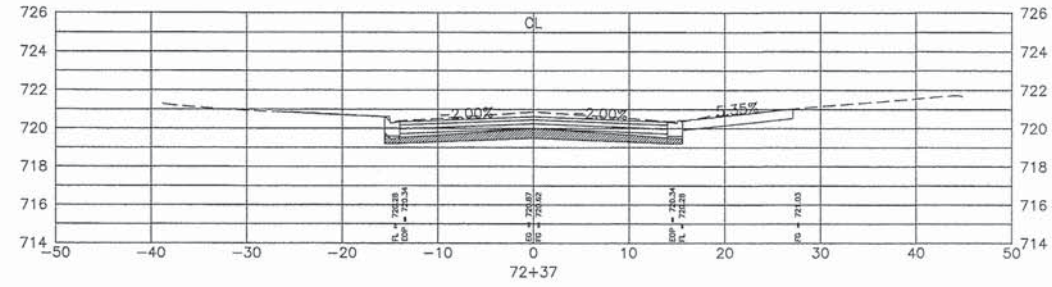
**WALNUT AVENUE
 CROSS SECTIONS**
 HORIZ. 1"=10'
 SCALE: VERT. 1"=5'

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2644	13-00205-00-FP	COOK	53	39
CONTRACT NO. 61A97				

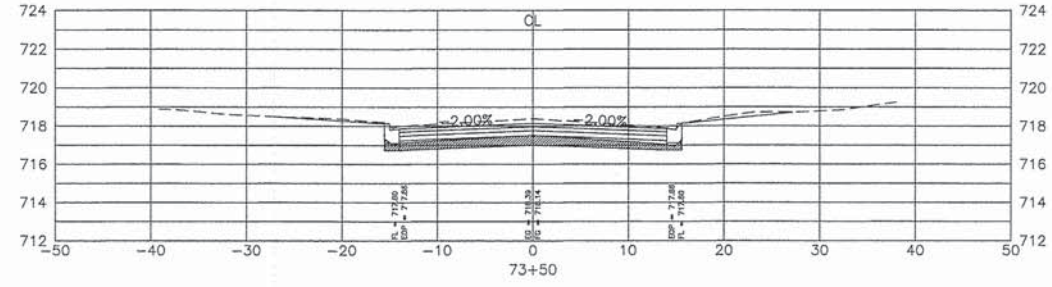
FED ROAD DIST NO. 1 ILLINOIS FED. AID PROJECT

PLAN	REVIEWED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	AM. BOOK	
	NO. _____	
	STRUCTURE NOTATION CHYND	

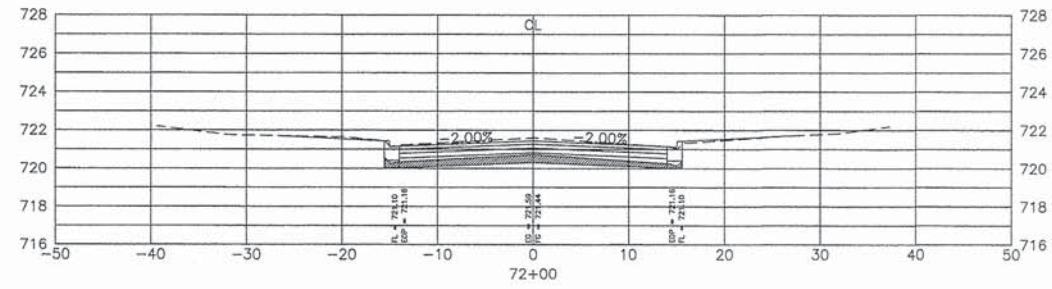
PROFILE	REVIEWED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	AM. BOOK	
	NO. _____	
	STRUCTURE NOTATION CHYND	



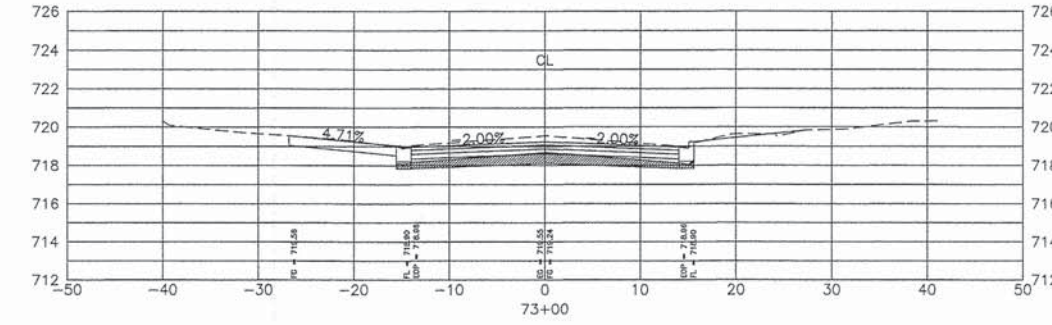
Total Volume at Station 72+37	
Cut Area	12.08 S.F.
Fill Area	0.00 S.F.



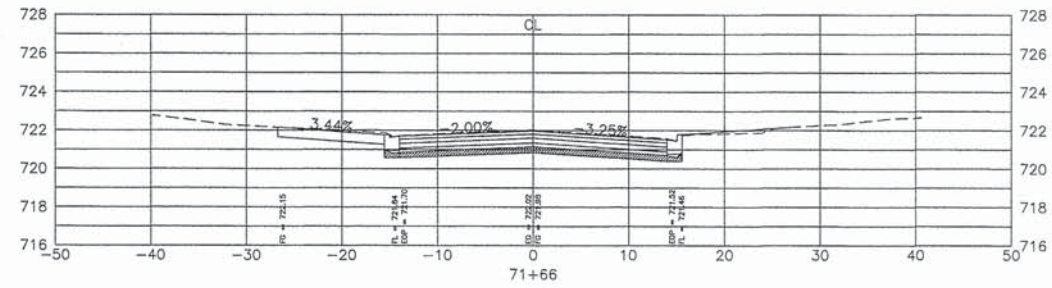
Total Volume at Station 73+50	
Cut Area	12.96 S.F.
Fill Area	0.00 S.F.



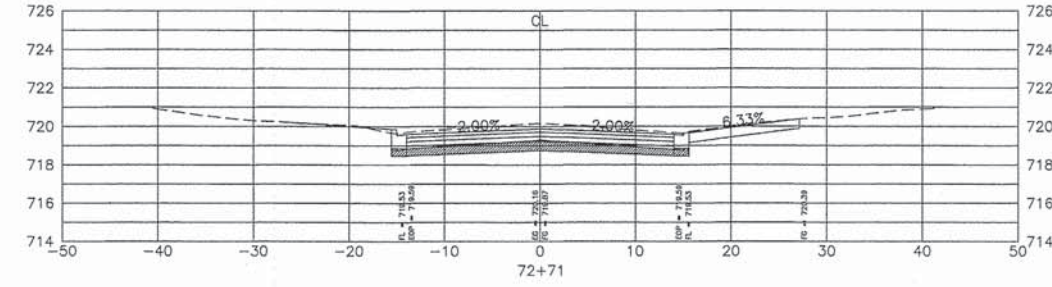
Total Volume at Station 72+00	
Cut Area	10.20 S.F.
Fill Area	0.00 S.F.



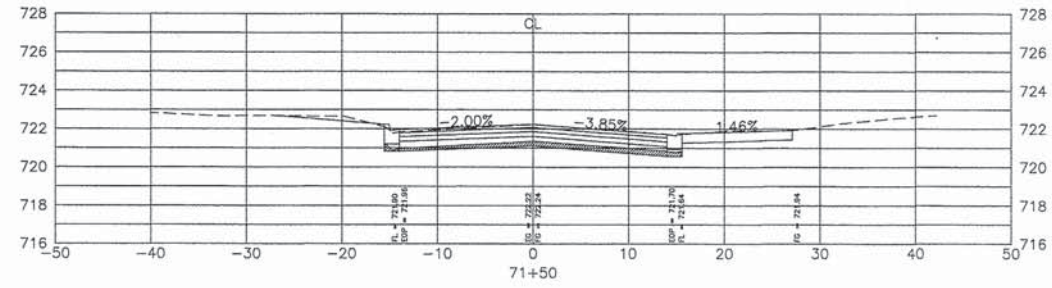
Total Volume at Station 73+00	
Cut Area	13.11 S.F.
Fill Area	0.00 S.F.



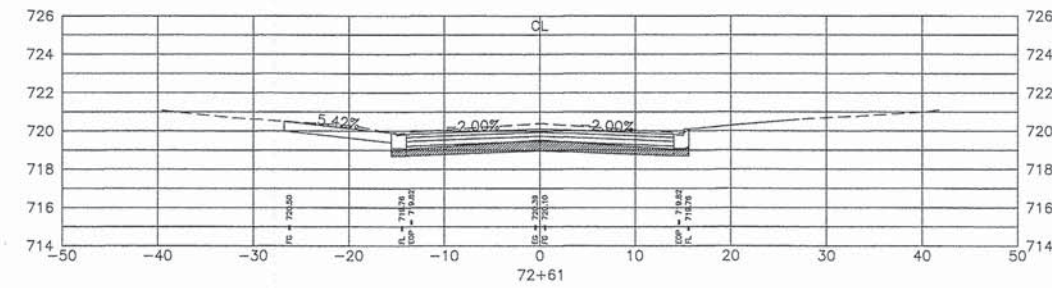
Total Volume at Station 71+66	
Cut Area	8.97 S.F.
Fill Area	0.00 S.F.



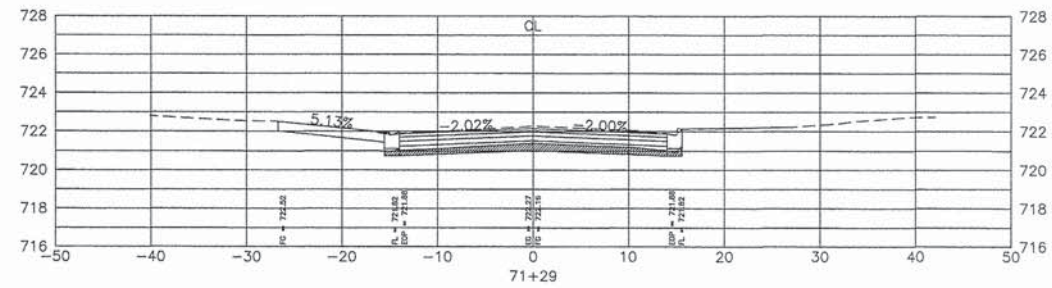
Total Volume at Station 72+71	
Cut Area	13.49 S.F.
Fill Area	0.00 S.F.



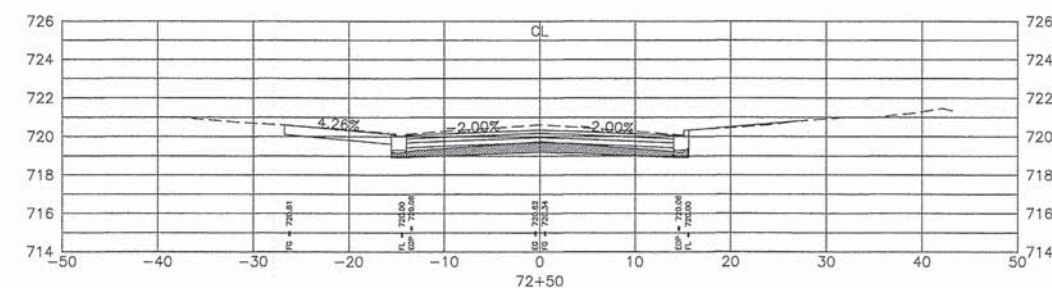
Total Volume at Station 71+50	
Cut Area	6.87 S.F.
Fill Area	0.00 S.F.



Total Volume at Station 72+61	
Cut Area	13.32 S.F.
Fill Area	0.00 S.F.



Total Volume at Station 71+29	
Cut Area	10.14 S.F.
Fill Area	0.00 S.F.



Total Volume at Station 72+50	
Cut Area	12.73 S.F.
Fill Area	0.00 S.F.

I:\Users\anderson\Documents\61A97

FILE NAME = 2014 SIP WALNUT AVE.dwg

USER NAME = chomuth
 LAYOUT NAME = CROSS-SECTIONS9
 PLOT SCALE = 20.00' / IN.
 PLOT DATE = Dec 12, 2014 - 3:30am

DESIGNED - BS
 DRAWN - CH
 CHECKED - JM
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

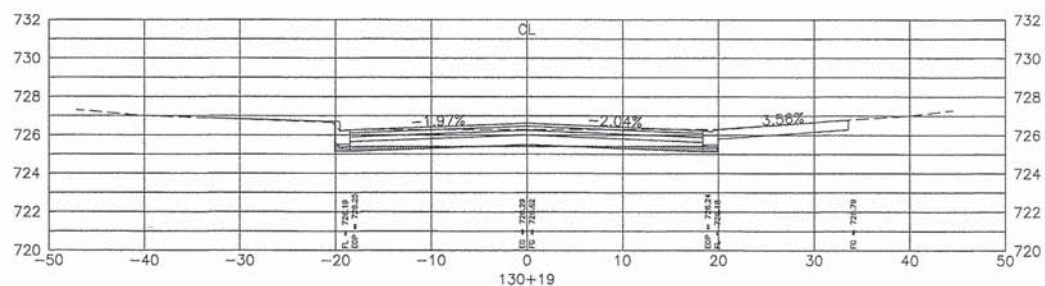
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**WALNUT AVENUE
 CROSS SECTIONS**
 HORIZ. 1"=10'
 SCALE: VERT. 1"=5' SHEET NO. OF SHEETS STA. TO STA.

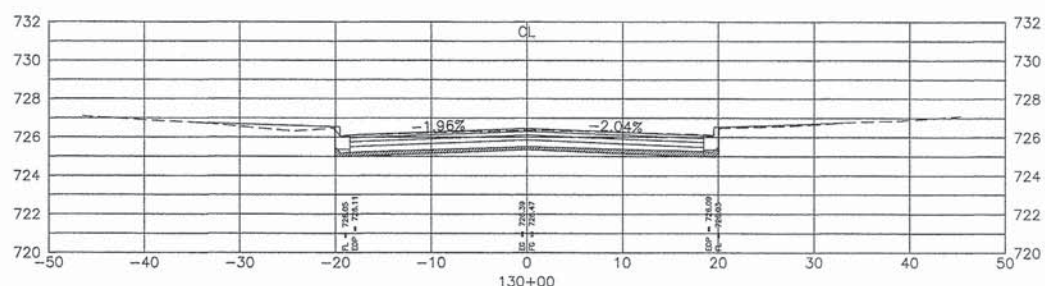
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2644	13-00205-00-FP	COOK	53	40
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 61A97	
FED. AID PROJECT				

PLAN	DATE	BY
NO. _____	_____	_____
NOTE BOOK		
NO. _____		
STRUCTURE NOTATIONS CHKD		

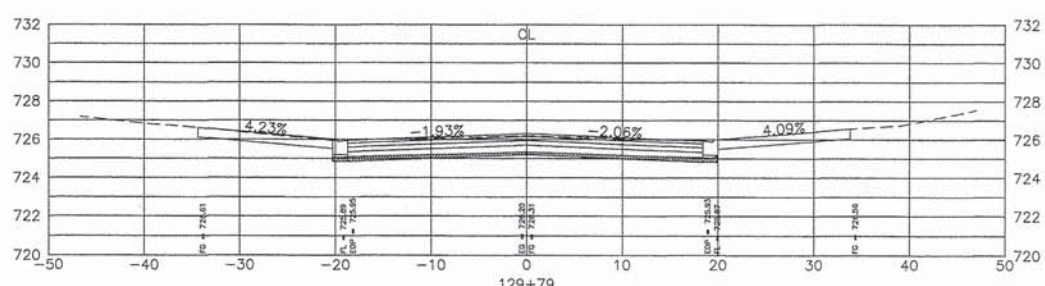
PROFILE	DATE	BY
NO. _____	_____	_____
NOTE BOOK		
NO. _____		
STRUCTURE NOTATIONS CHKD		



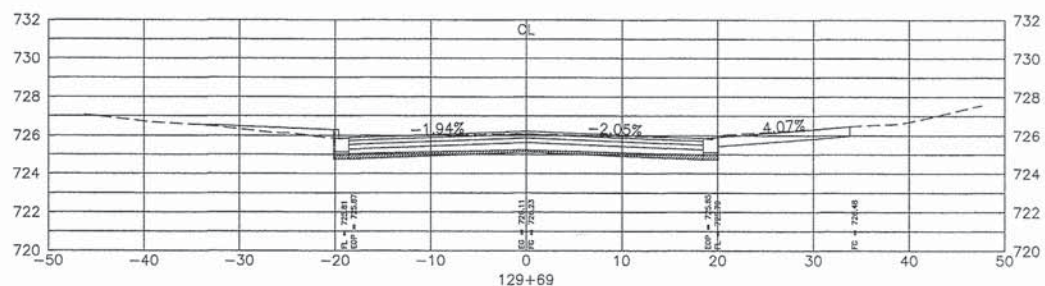
Total Volume at Station 130+19	
Cut Area	4.54 S.F.
Fill Area	0.46 S.F.



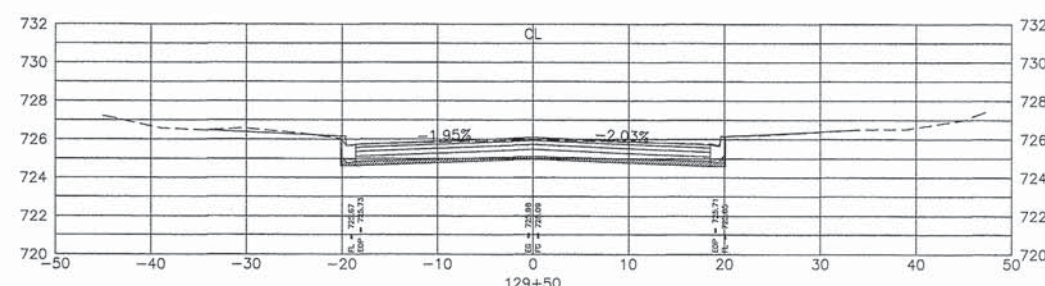
Total Volume at Station 130+00	
Cut Area	8.23 S.F.
Fill Area	0.00 S.F.



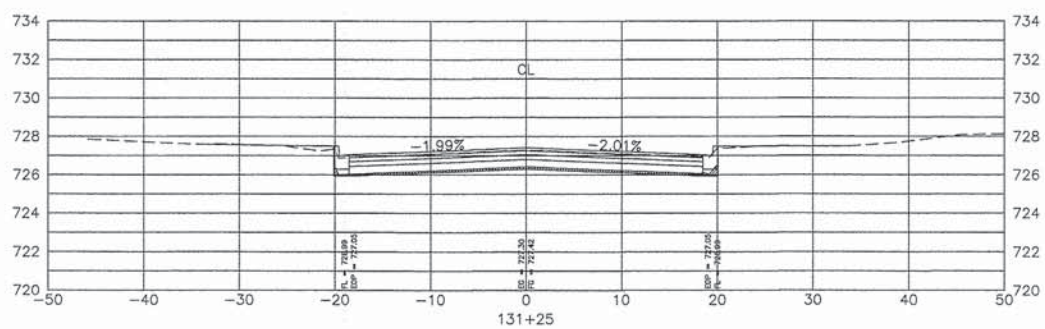
Total Volume at Station 129+79	
Cut Area	7.28 S.F.
Fill Area	0.00 S.F.



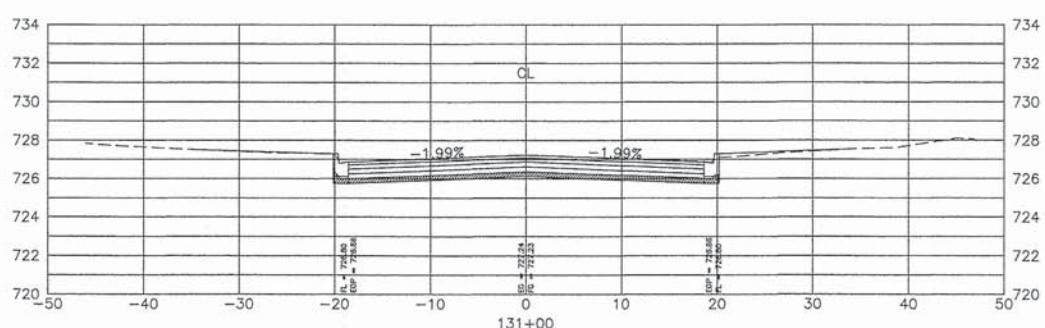
Total Volume at Station 129+69	
Cut Area	7.46 S.F.
Fill Area	0.00 S.F.



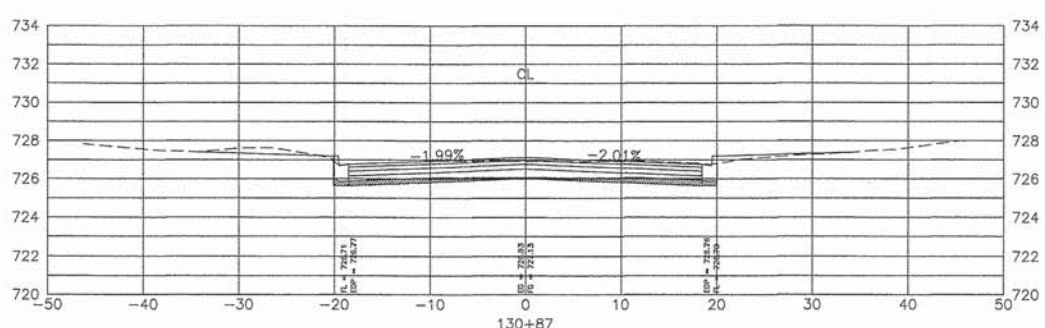
Total Volume at Station 129+50	
Cut Area	7.99 S.F.
Fill Area	0.00 S.F.



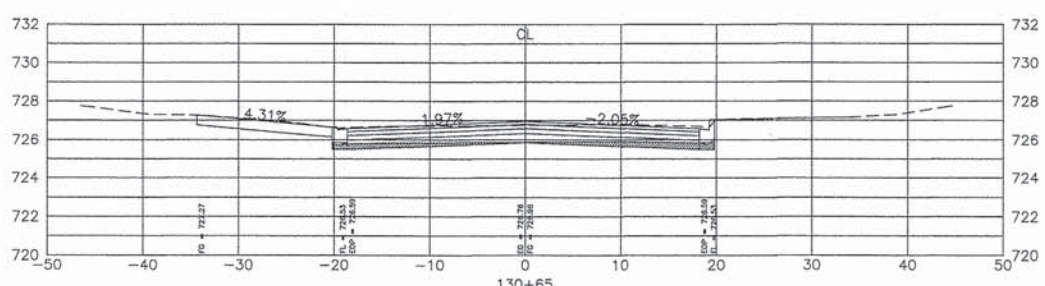
Total Volume at Station 131+25	
Cut Area	4.68 S.F.
Fill Area	0.00 S.F.



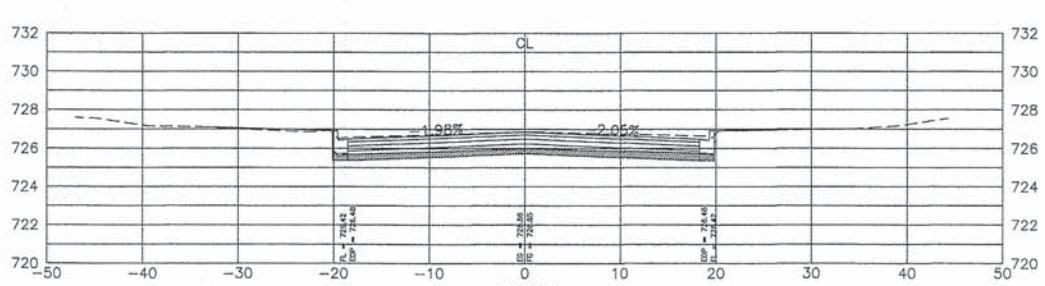
Total Volume at Station 131+00	
Cut Area	10.17 S.F.
Fill Area	0.00 S.F.



Total Volume at Station 130+87	
Cut Area	7.73 S.F.
Fill Area	0.00 S.F.



Total Volume at Station 130+65	
Cut Area	8.34 S.F.
Fill Area	0.00 S.F.



Total Volume at Station 130+50	
Cut Area	12.21 S.F.
Fill Area	0.00 S.F.

FILE NAME = 2014 STP NICHOLS RD.DWG

USER NAME = chomuth
 LAYOUT NAME = CROSS-SECTIONS2
 PLOT SCALE = 20.00' / IN.
 PLOT DATE = Dec 12, 2014 - 3:48am

DESIGNED - BS
 DRAWN - CH
 CHECKED - JM
 DATE - 06/19/2014

REVISED -
 REVISED -
 REVISED -
 REVISED -

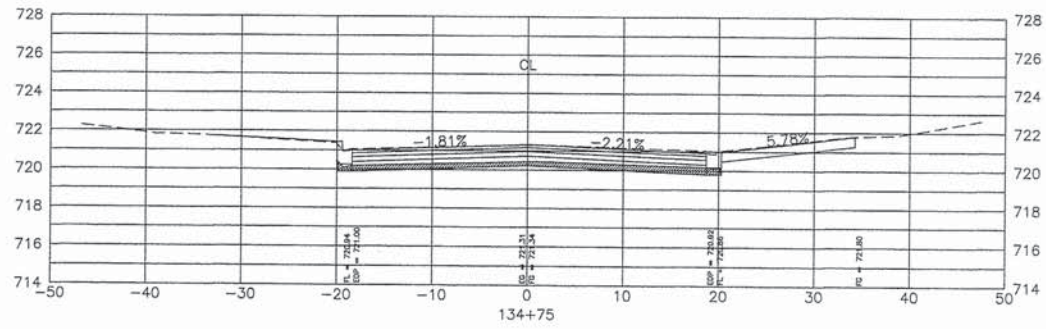
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**NICHOLS ROAD
 CROSS SECTIONS**
 HORIZ. 1"=10'
 SCALE: VERT. 1"=5' SHEET NO. 43 OF 53 SHEETS STA. TO STA.

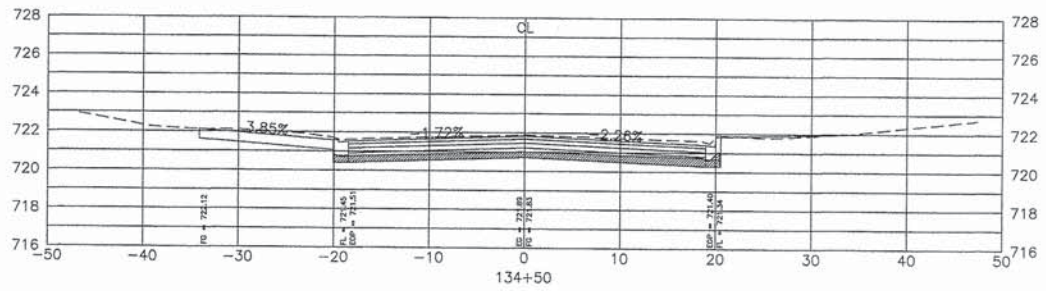
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2644	13-00205-00-FP	COOK	53	43
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO.	61A97

PLAN	DESIGNED	DATE
	CHECKED	
	GRADES CHECKED	
	BY	
	NO.	
	STRUCTURE NOTATIONS CHFD	

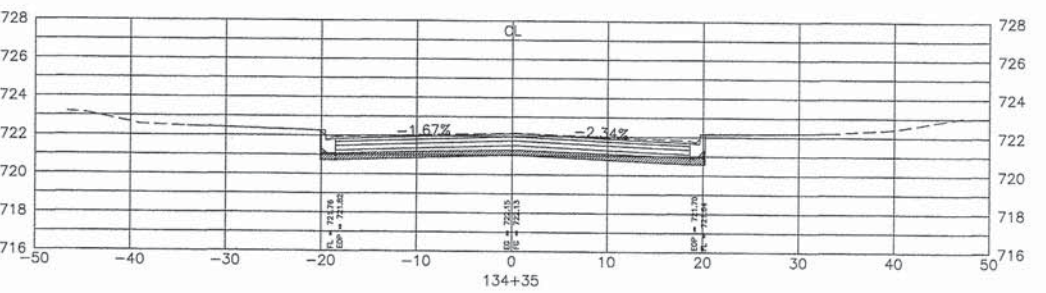
PROFILE	DESIGNED	DATE
	CHECKED	
	GRADES CHECKED	
	BY	
	NO.	
	STRUCTURE NOTATIONS CHFD	



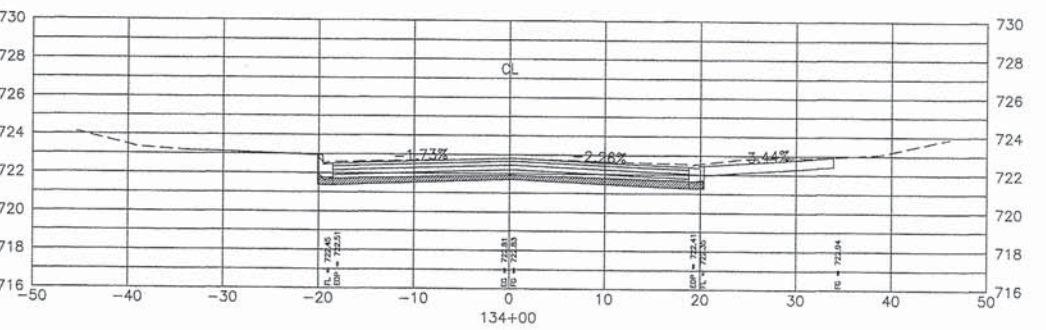
Total Volume at Station 134+75	
Cut Area	11.05 S.F.
Fill Area	0.00 S.F.



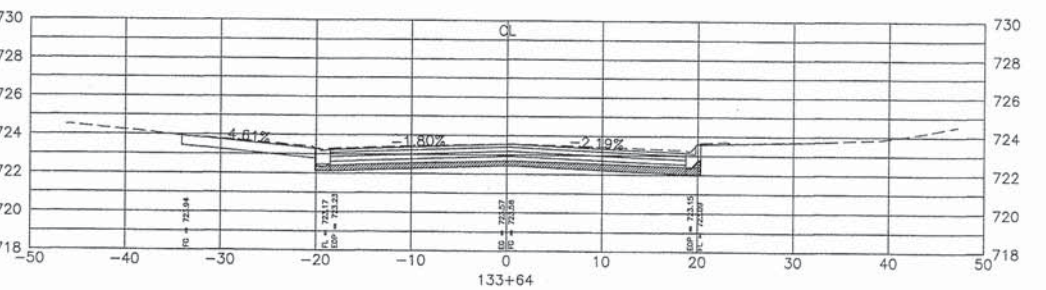
Total Volume at Station 134+50	
Cut Area	14.01 S.F.
Fill Area	0.00 S.F.



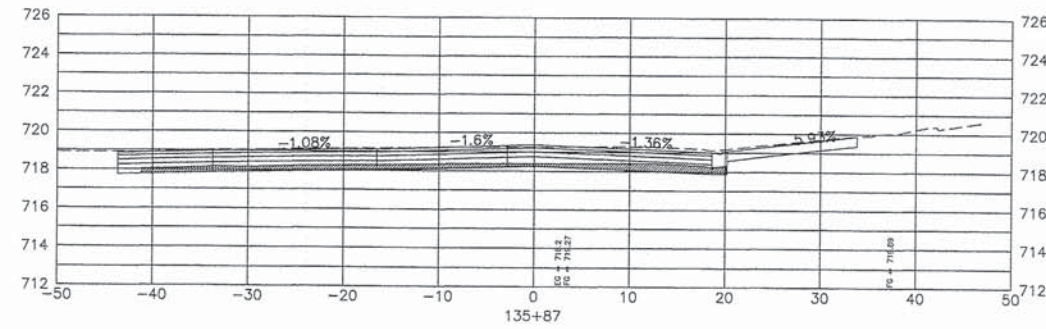
Total Volume at Station 134+35	
Cut Area	12.51 S.F.
Fill Area	0.00 S.F.



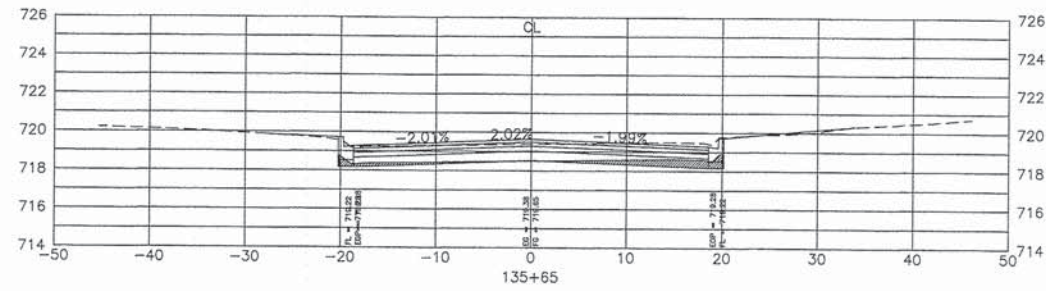
Total Volume at Station 134+00	
Cut Area	11.68 S.F.
Fill Area	0.00 S.F.



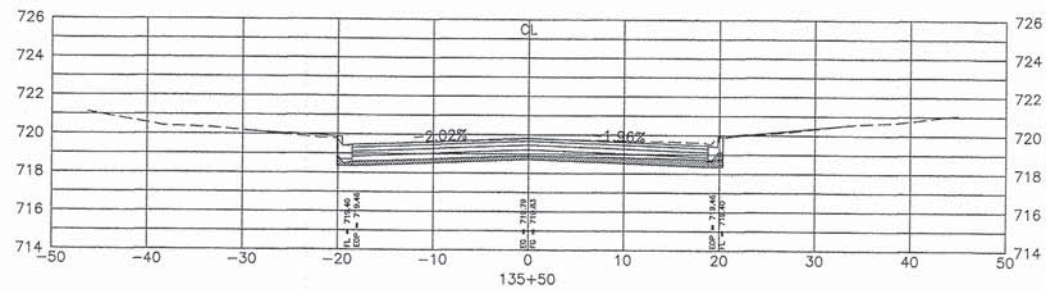
Total Volume at Station 133+64	
Cut Area	12.23 S.F.
Fill Area	0.00 S.F.



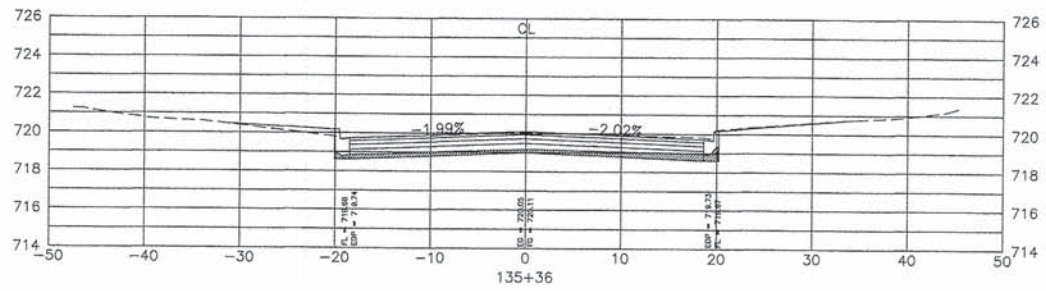
Total Volume at Station 135+87	
Cut Area	15.59 S.F.
Fill Area	0.00 S.F.



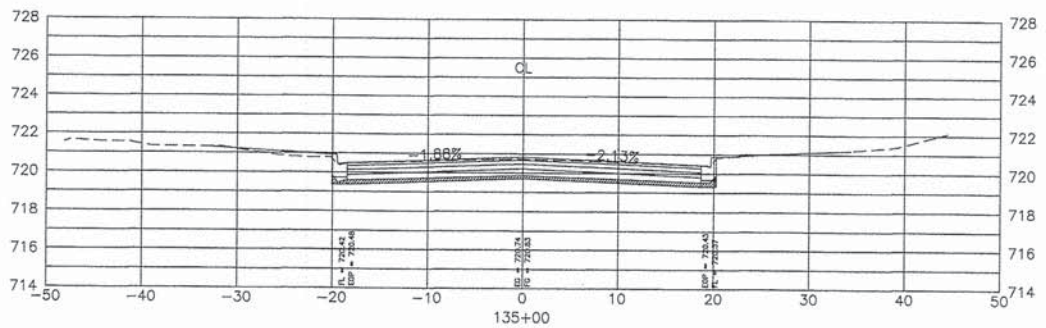
Total Volume at Station 135+65	
Cut Area	6.89 S.F.
Fill Area	0.06 S.F.



Total Volume at Station 135+50	
Cut Area	10.64 S.F.
Fill Area	0.00 S.F.



Total Volume at Station 135+36	
Cut Area	9.51 S.F.
Fill Area	0.00 S.F.



Total Volume at Station 135+00	
Cut Area	7.55 S.F.
Fill Area	0.00 S.F.

FILE NAME = 2014 STP NICHOLS RD.DWG

USER NAME = chomuth
 LAYOUT NAME = CROSS-SECTIONS4
 PLOT SCALE = 20.00' / IN.
 PLOT DATE = Dec 12, 2014 - 4:54am

DESIGNED - BS
 DRAWN - CH
 CHECKED - JM
 DATE - 06/19/2014

REVISED -
 REVISED -
 REVISED -
 REVISED -

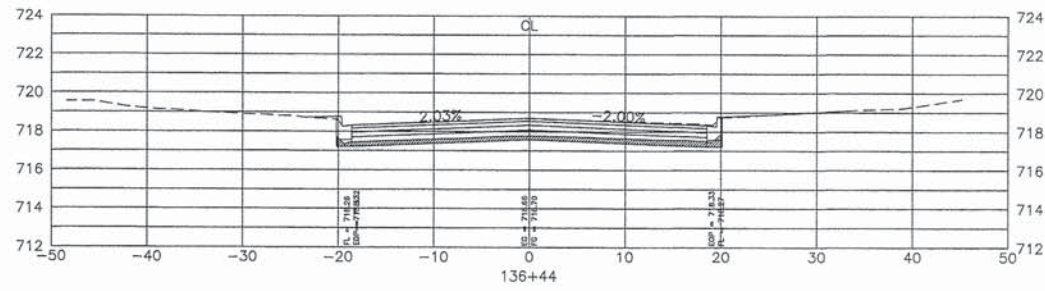
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**NICHOLS ROAD
 CROSS SECTIONS**
 HORIZ. 1"=10'
 SCALE: VERT. 1"=5' SHEET NO. 45 OF 53 SHEETS STA. CROSS-SE TO STA. ECTIONS*

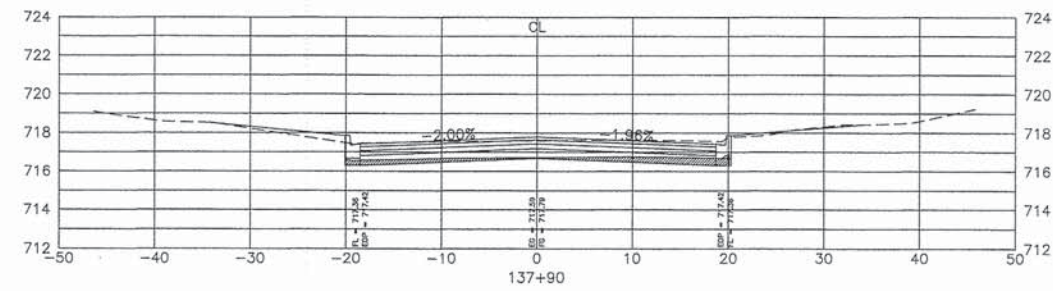
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2644	13-00205-00-FP	COOK	53	45
FED ROAD DIST NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 61A97	

PLAN	SURVEYED	DATE
	NOTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHKD	
NO.		

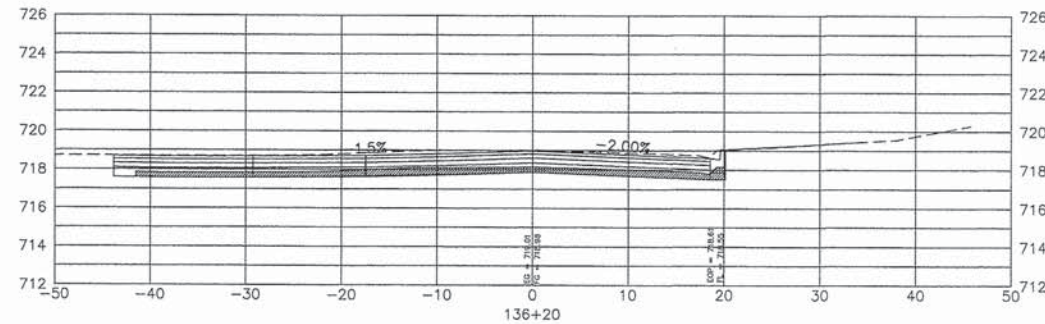
PROFILE	SURVEYED	DATE
	NOTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHKD	
NO.		



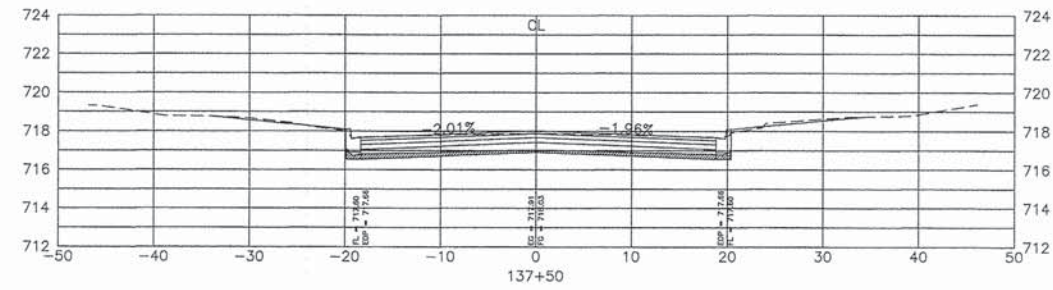
Total Volume at Station 136+44	
Cut Area	9.76 S.F.
Fill Area	0.00 S.F.



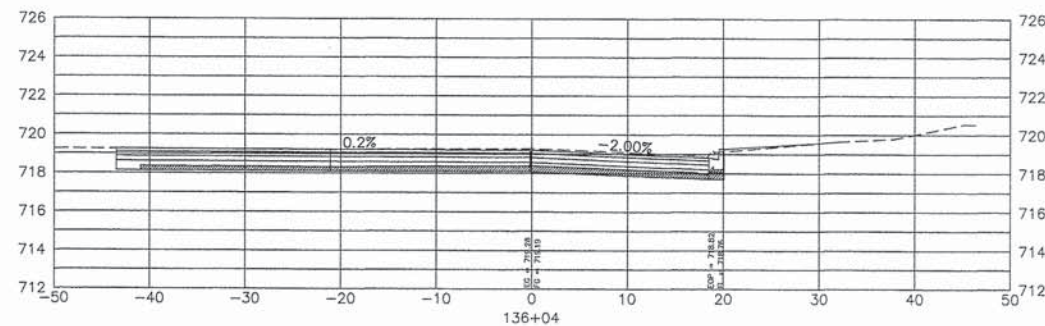
Total Volume at Station 137+90	
Cut Area	8.54 S.F.
Fill Area	0.00 S.F.



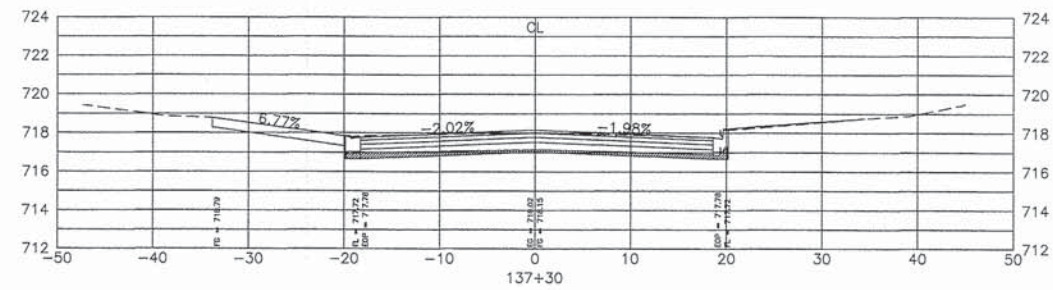
Total Volume at Station 136+20	
Cut Area	19.00 S.F.
Fill Area	0.00 S.F.



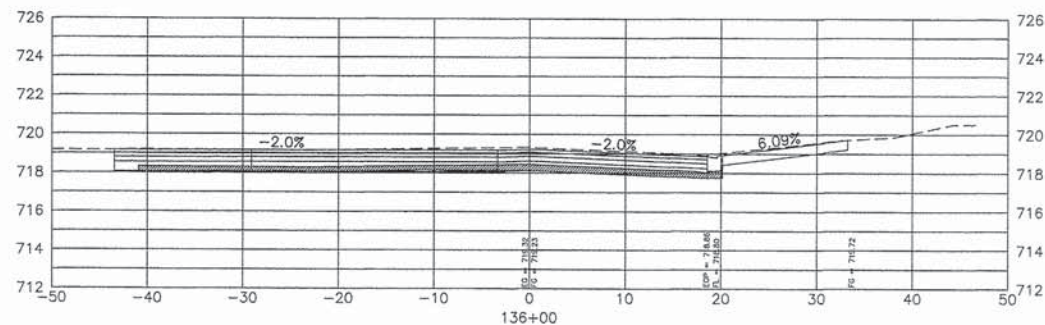
Total Volume at Station 137+50	
Cut Area	7.95 S.F.
Fill Area	0.00 S.F.



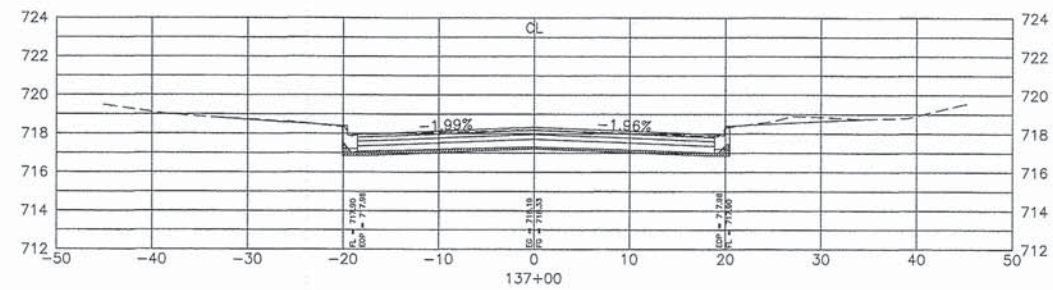
Total Volume at Station 136+04	
Cut Area	16.90 S.F.
Fill Area	0.00 S.F.



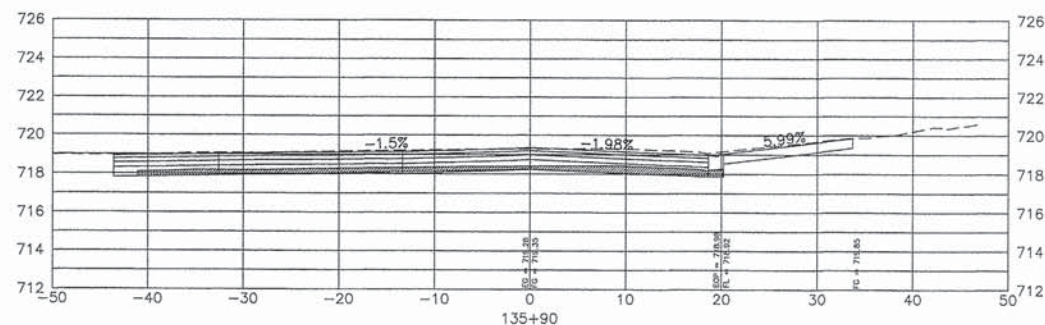
Total Volume at Station 137+30	
Cut Area	7.99 S.F.
Fill Area	0.00 S.F.



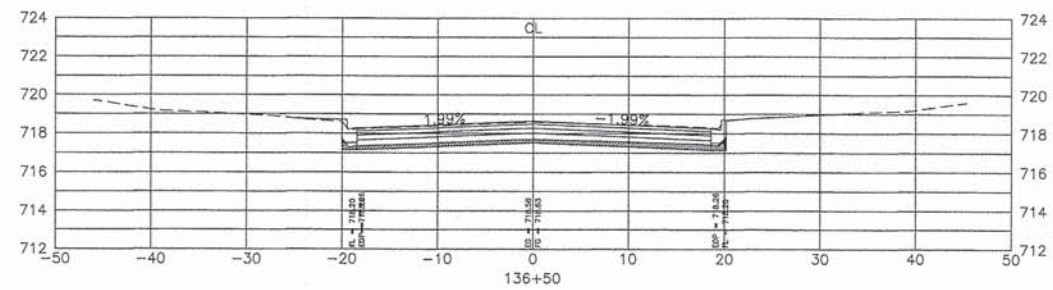
Total Volume at Station 136+00	
Cut Area	16.90 S.F.
Fill Area	0.00 S.F.



Total Volume at Station 137+00	
Cut Area	6.40 S.F.
Fill Area	0.00 S.F.



Total Volume at Station 135+90	
Cut Area	16.25 S.F.
Fill Area	0.00 S.F.



Total Volume at Station 136+50	
Cut Area	8.80 S.F.
Fill Area	0.00 S.F.

FILE NAME = 2014 STP NICHOLS RD.DWG

USER NAME = chomuth
 LAYOUT NAME = CROSS-SECTIONS
 PLOT SCALE = 20.00' / IN.
 PLOT DATE = Dec 12, 2014 - 3:55am

DESIGNED - BS
 DRAWN - CH
 CHECKED - JM
 DATE - 06/19/2014

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

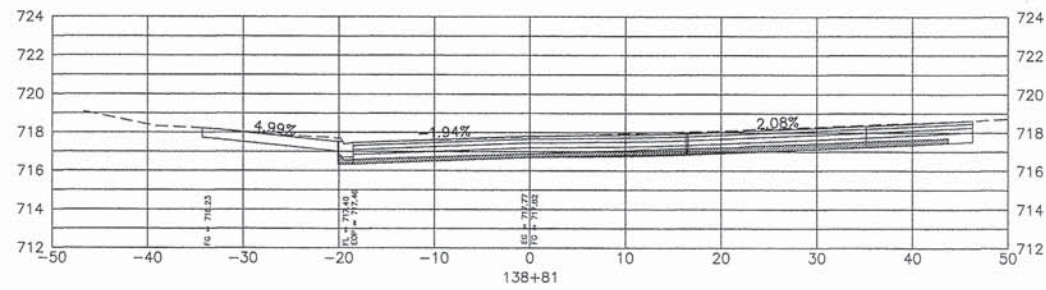
HORIZ. 1"=10'
 SCALE: VERT. 1"=5' SHEET NO. 46 OF 53 SHEETS STA. TO STA.

NICHOLS ROAD
 CROSS SECTIONS

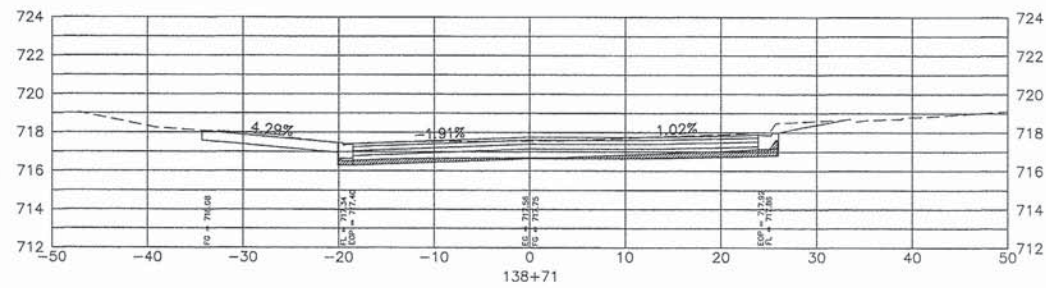
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2644	13-00205-00-FP	COOK	53	46
CONTRACT NO.			61A97	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

PLAN
 DATE: _____ BY: _____
 SURVEYED GRADES CHECKED
 B.M. NOTED
 NOTE BOOK NO. _____
 STRUCTURE NOTATIONS CHFD

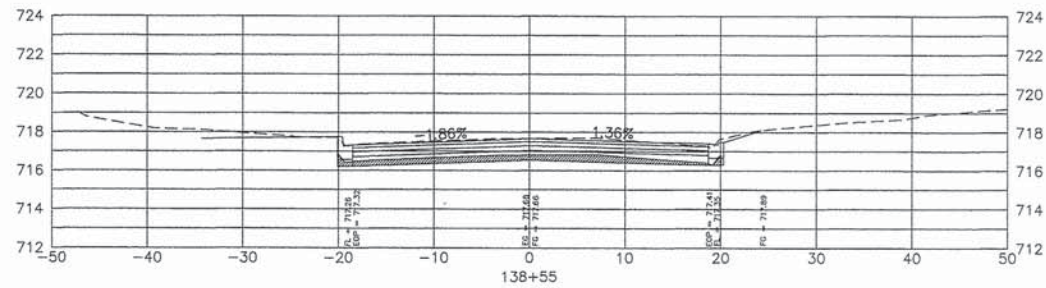
PROFILE
 DATE: _____ BY: _____
 SURVEYED GRADES CHECKED
 B.M. NOTED
 NOTE BOOK NO. _____
 STRUCTURE NOTATIONS CHFD



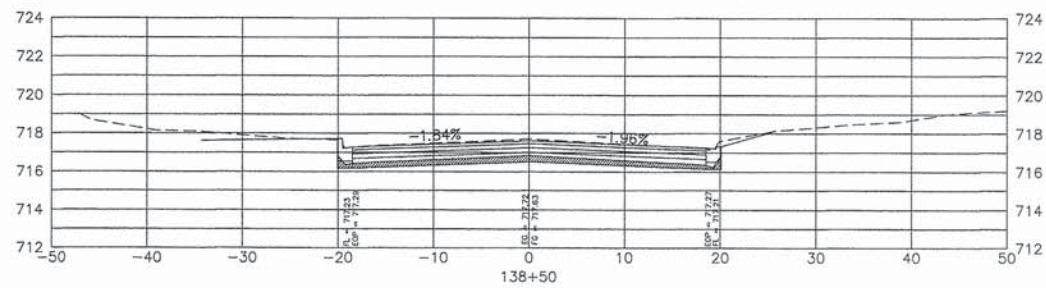
Total Volume at Station 138+81	
Cut Area	15.88 S.F.
Fill Area	0.00 S.F.



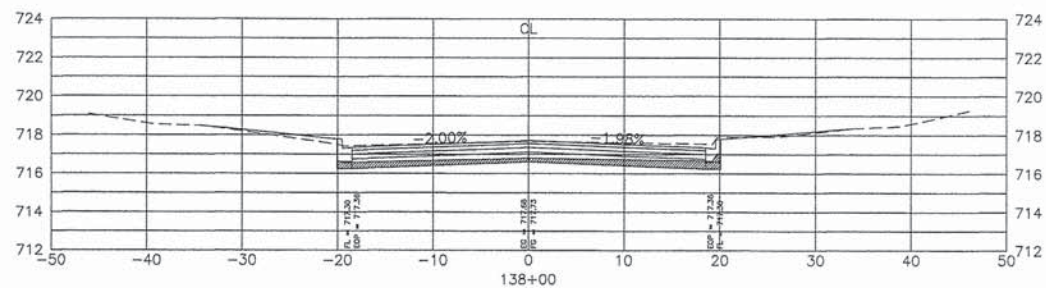
Total Volume at Station 138+71	
Cut Area	9.03 S.F.
Fill Area	0.00 S.F.



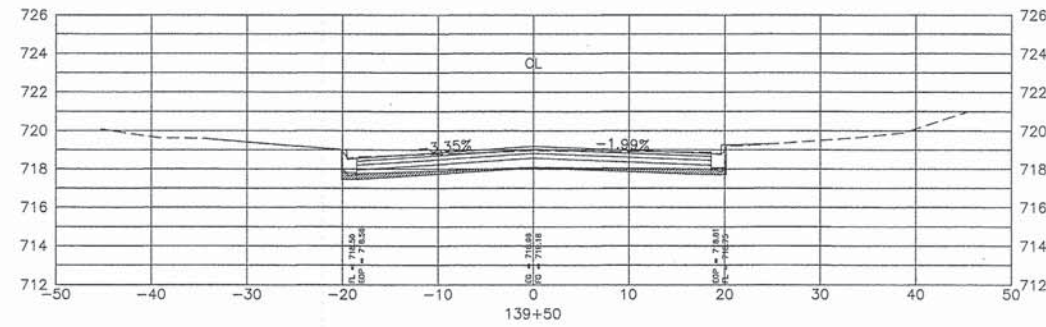
Total Volume at Station 138+55	
Cut Area	11.01 S.F.
Fill Area	0.00 S.F.



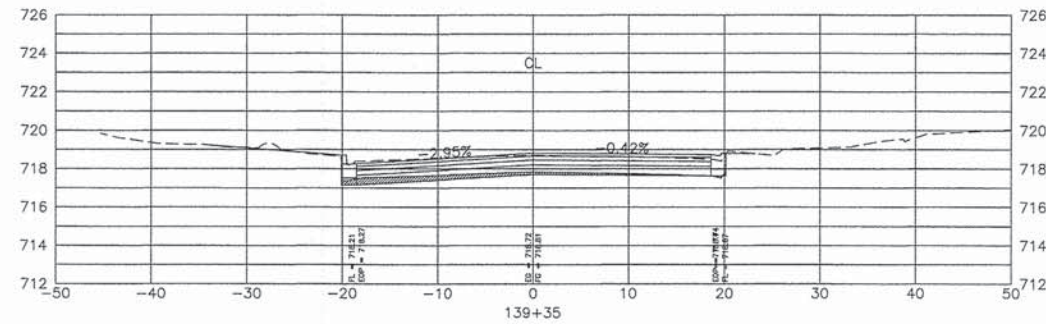
Total Volume at Station 138+50	
Cut Area	10.94 S.F.
Fill Area	0.00 S.F.



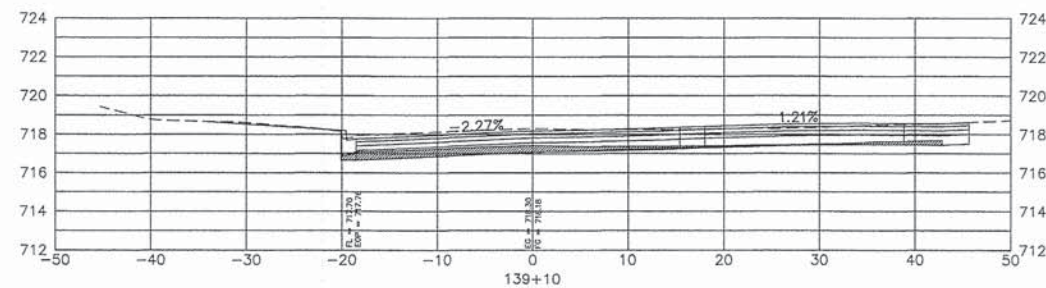
Total Volume at Station 138+00	
Cut Area	11.61 S.F.
Fill Area	0.00 S.F.



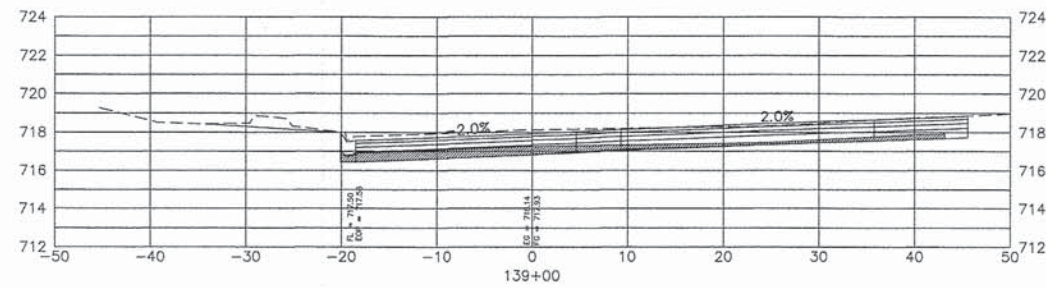
Total Volume at Station 139+50	
Cut Area	6.68 S.F.
Fill Area	0.00 S.F.



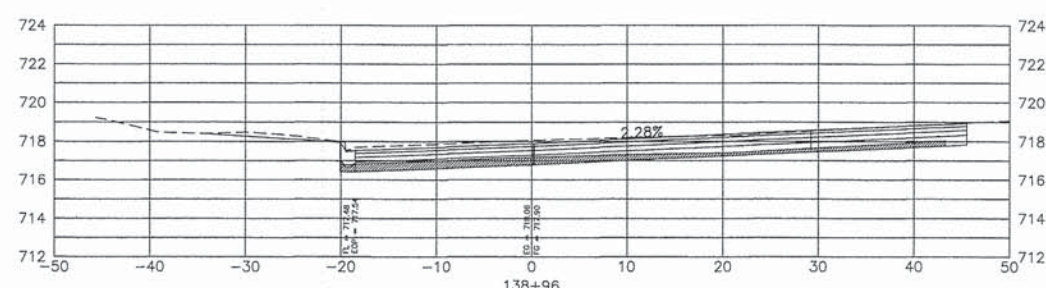
Total Volume at Station 139+35	
Cut Area	6.42 S.F.
Fill Area	0.06 S.F.



Total Volume at Station 139+10	
Cut Area	12.88 S.F.
Fill Area	0.00 S.F.



Total Volume at Station 139+00	
Cut Area	18.04 S.F.
Fill Area	0.00 S.F.



Total Volume at Station 138+96	
Cut Area	18.56 S.F.
Fill Area	0.00 S.F.

FILE NAME = 2014 STP NICHOLS RD.DWG

USER NAME = chomuth
 LAYOUT NAME = CROSS-SECTIONS
 PLOT SCALE = 20.00' / IN.
 PLOT DATE = Dec 12, 2014 - 3:56am

DESIGNED - BS
 DRAWN - CH
 CHECKED - JM
 DATE - 06/19/2014

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

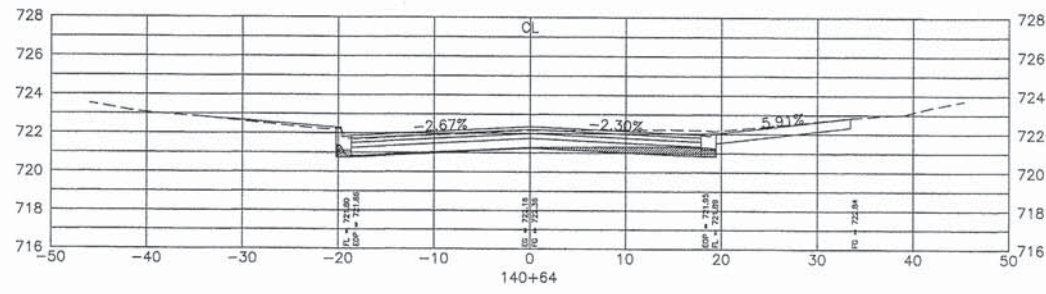
NICHOLS ROAD
 CROSS SECTIONS

HORIZ. 1"=10'
 SCALE: VERT. 1"=5' SHEET NO. 47 OF 53 SHEETS STA. TO STA.

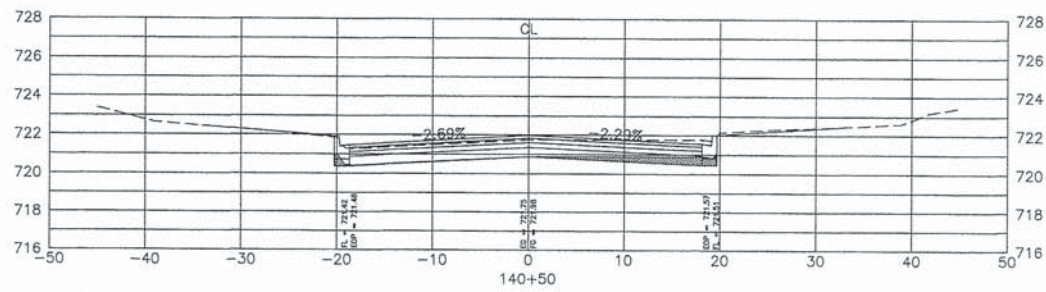
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2644	13-00205-00-FP	COOK	53	47
CONTRACT NO. 61A97			FED. AID PROJECT	

PLAN	DATE
BY	
REVISIONS	
CHECKED	
DATE	
STRUCTURE NOTATIONS CHWD	
NO.	

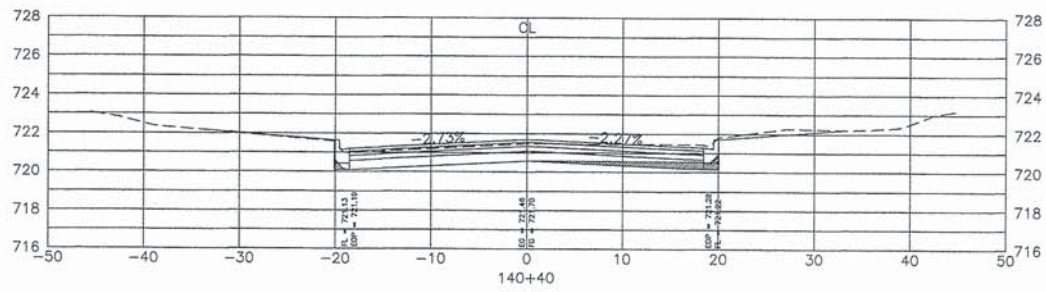
PROFILE	DATE
BY	
REVISIONS	
CHECKED	
DATE	
STRUCTURE NOTATIONS CHWD	
NO.	



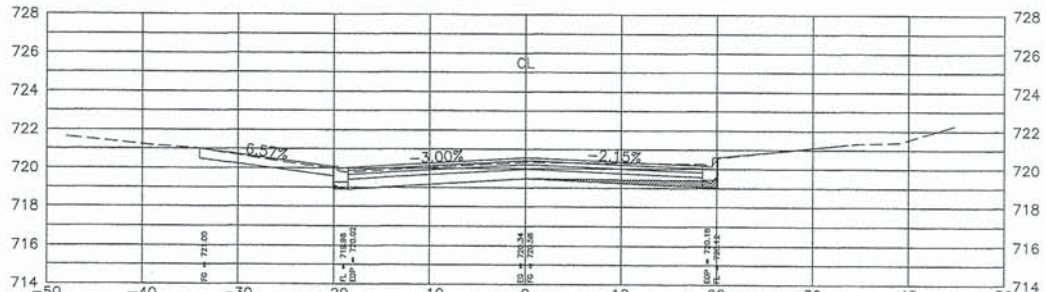
Total Volume at Station 140+64	
Cut Area	6.87 S.F.
Fill Area	0.00 S.F.



Total Volume at Station 140+50	
Cut Area	5.52 S.F.
Fill Area	0.00 S.F.



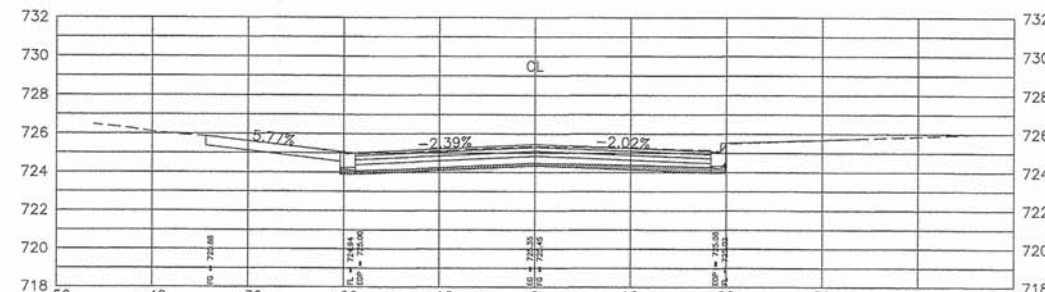
Total Volume at Station 140+40	
Cut Area	4.83 S.F.
Fill Area	0.00 S.F.



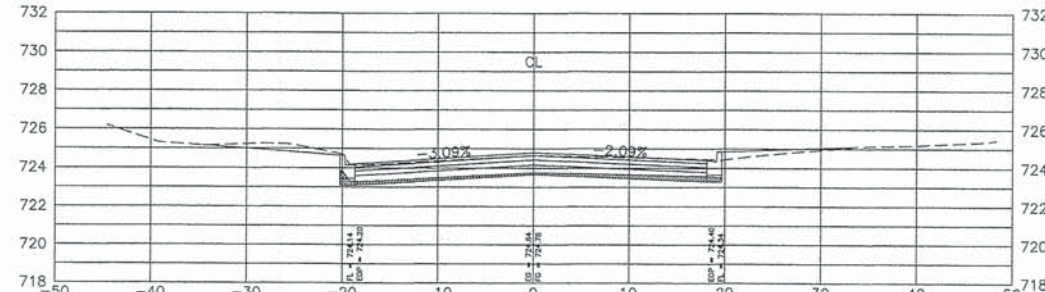
Total Volume at Station 140+00	
Cut Area	3.60 S.F.
Fill Area	0.07 S.F.



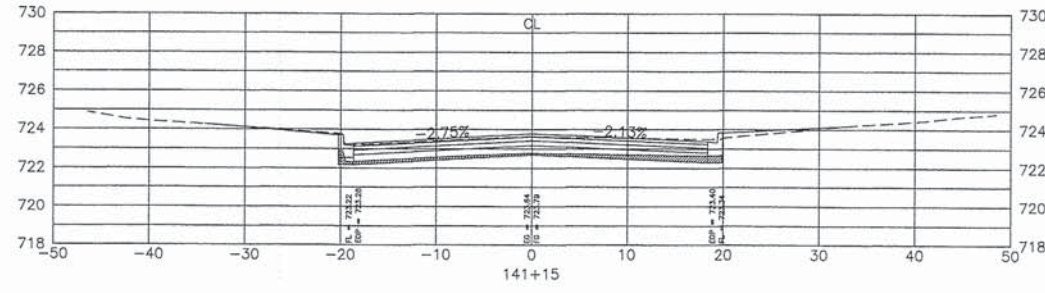
Total Volume at Station 139+96	
Cut Area	3.67 S.F.
Fill Area	0.00 S.F.



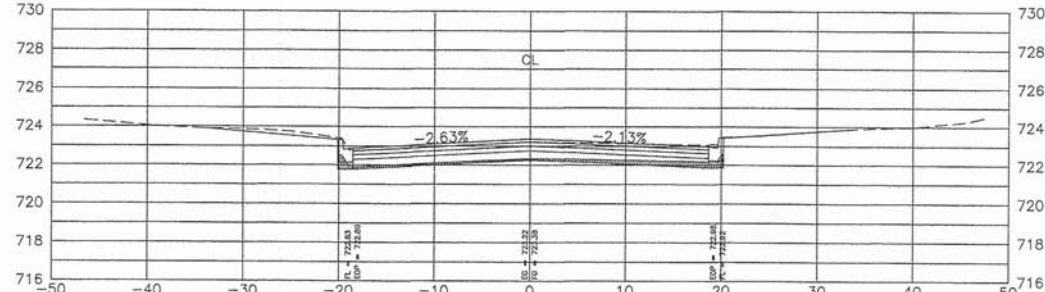
Total Volume at Station 141+81	
Cut Area	7.66 S.F.
Fill Area	0.00 S.F.



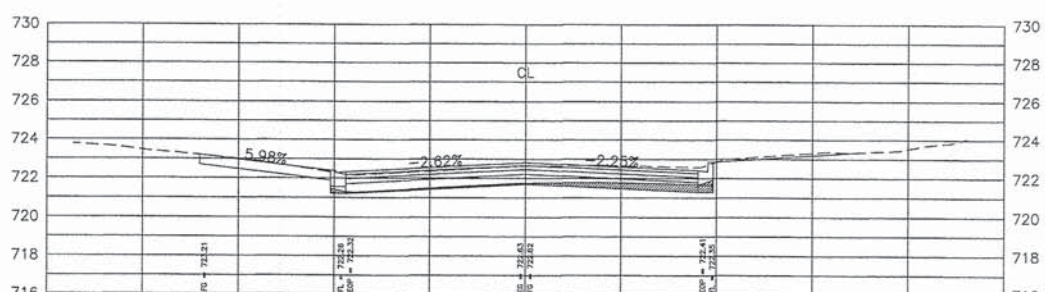
Total Volume at Station 141+50	
Cut Area	6.81 S.F.
Fill Area	0.00 S.F.



Total Volume at Station 141+15	
Cut Area	7.45 S.F.
Fill Area	0.00 S.F.



Total Volume at Station 141+00	
Cut Area	6.69 S.F.
Fill Area	0.00 S.F.



Total Volume at Station 140+80	
Cut Area	6.67 S.F.
Fill Area	0.00 S.F.

FILE NAME = 2014 STP NICHOLS RD.DWG

USER NAME = chomuth
 LAYOUT NAME = CROSS-SECTIONS
 PLOT SCALE = 20.00' / IN.
 PLOT DATE = Dec 12, 2014 - 3:58am

DESIGNED - BS
 DRAWN - CH
 CHECKED - JM
 DATE - 06/19/2014

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

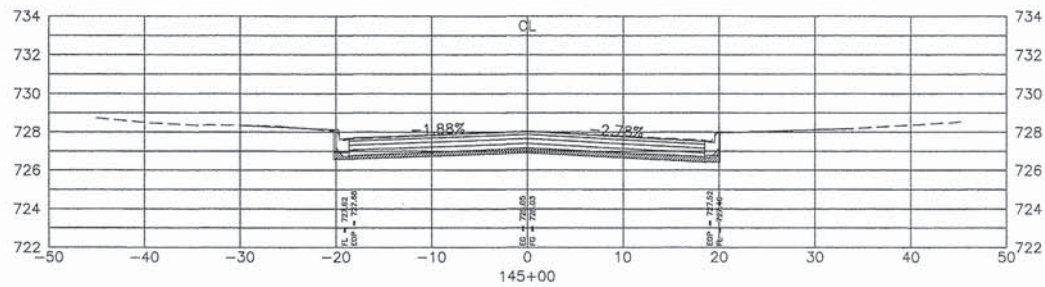
**NICHOLS ROAD
 CROSS SECTIONS**
 HORIZ. 1"=10'
 SCALE: VERT. 1"=5'

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2644	13-00205-00-FP	COOK	53	48
CONTRACT NO. 61A97				
FED. ROAD DIST NO. 1 ILLINOIS FED. AID PROJECT				

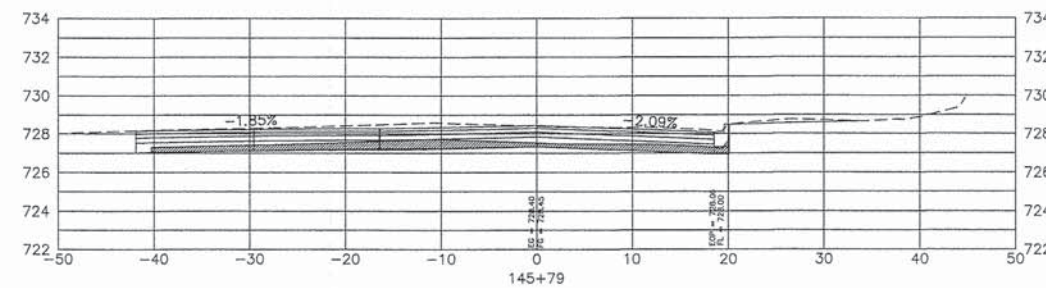
T:\Rehab and Reconstruction\STP\

PLAN	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	GRADES CHECKED	
	STRUCTURE NOTATIONS CHYD	

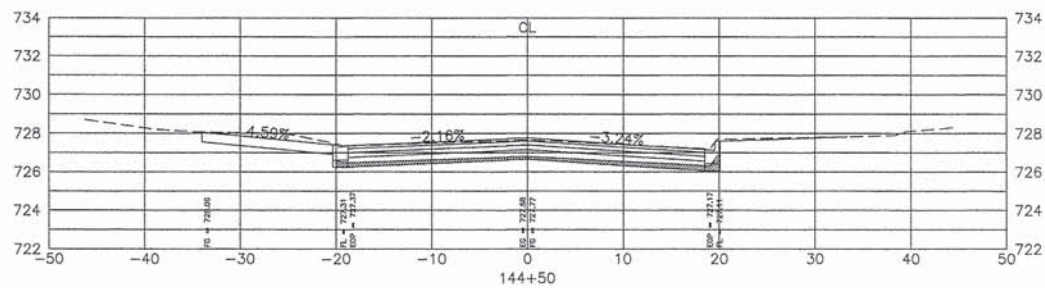
PROFILE	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	GRADES CHECKED	
	STRUCTURE NOTATIONS CHYD	



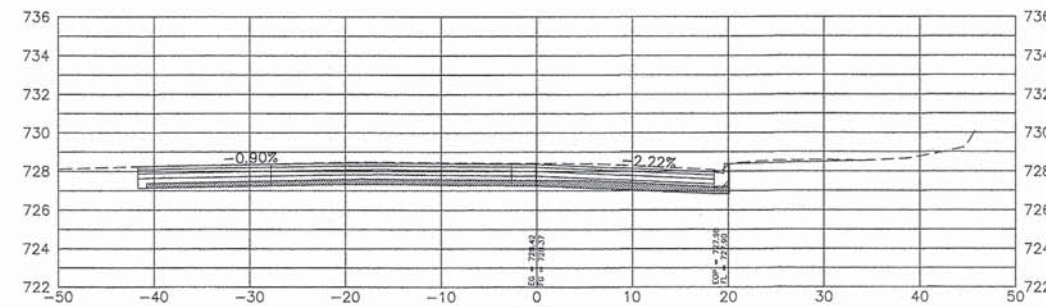
Total Volume at Station 145+00	
Cut Area	10.09 S.F.
Fill Area	0.00 S.F.



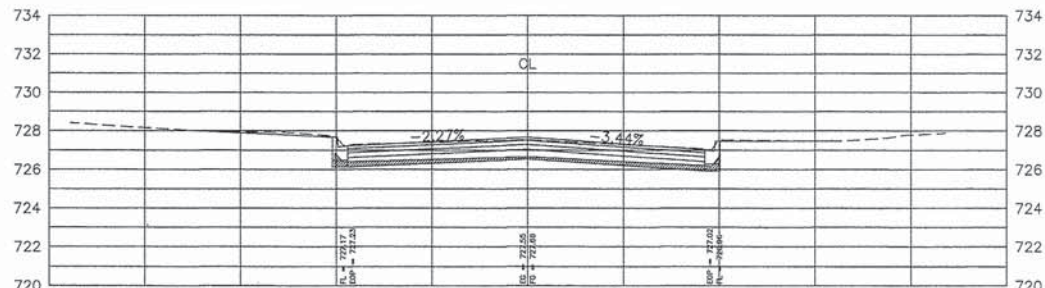
Total Volume at Station 145+79	
Cut Area	19.28 S.F.
Fill Area	0.00 S.F.



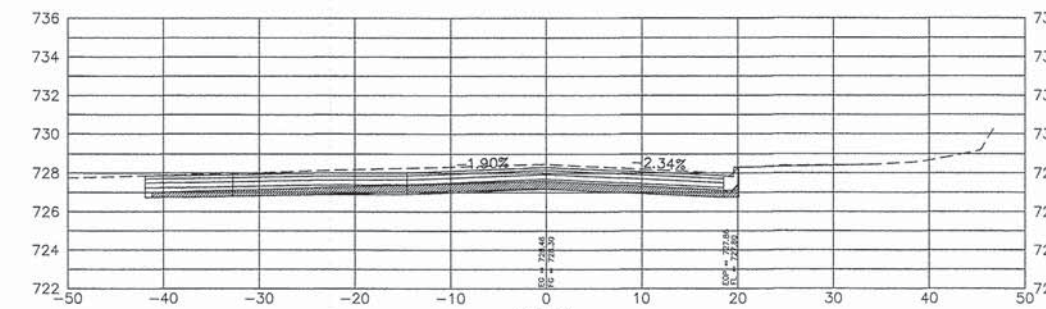
Total Volume at Station 144+50	
Cut Area	8.27 S.F.
Fill Area	0.00 S.F.



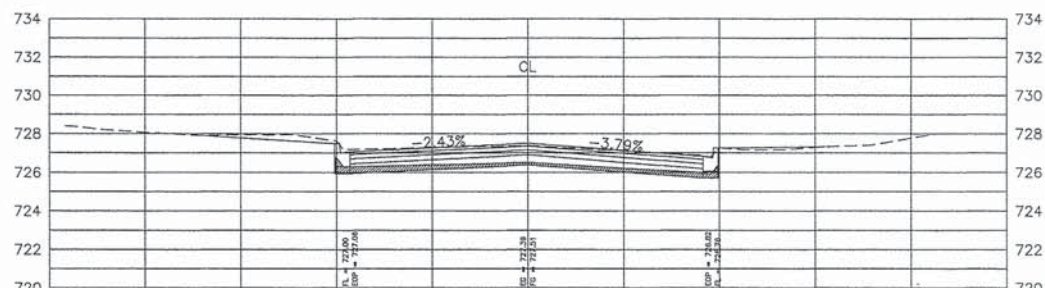
Total Volume at Station 145+64	
Cut Area	17.90 S.F.
Fill Area	0.00 S.F.



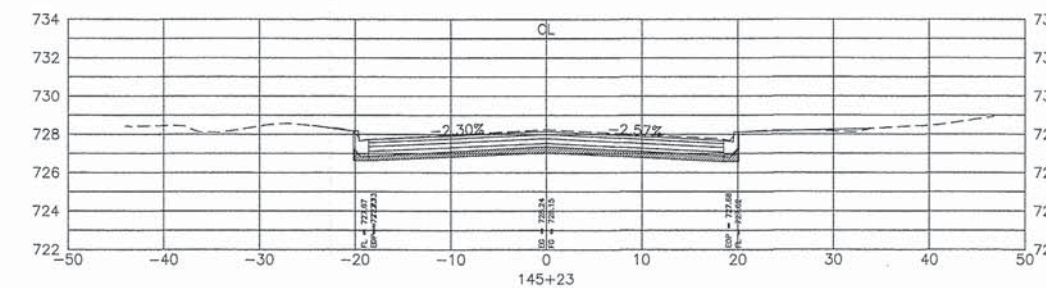
Total Volume at Station 144+29	
Cut Area	8.64 S.F.
Fill Area	0.00 S.F.



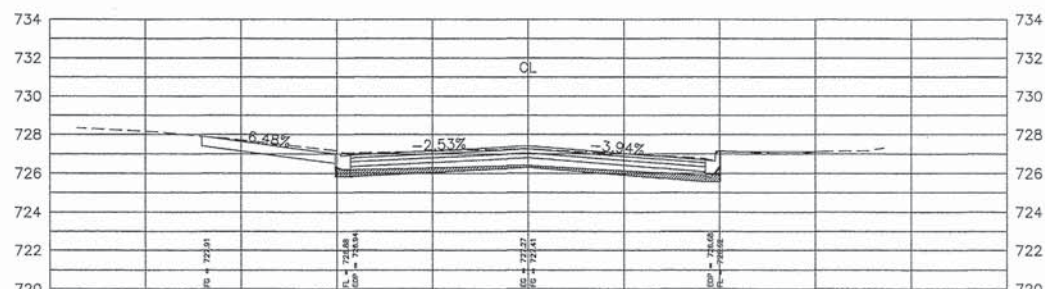
Total Volume at Station 145+50	
Cut Area	21.67 S.F.
Fill Area	0.00 S.F.



Total Volume at Station 144+00	
Cut Area	9.28 S.F.
Fill Area	0.00 S.F.



Total Volume at Station 145+23	
Cut Area	12.23 S.F.
Fill Area	0.00 S.F.



Total Volume at Station 143+81	
Cut Area	9.05 S.F.
Fill Area	0.00 S.F.

T:\Rehab and Reconstruction\STP

FILE NAME = 2014 STP NICHOLS RD.DWG

USER NAME = chomuth
 LAYOUT NAME = CROSS-SECTIONS
 PLOT SCALE = 20.00' / IN.
 PLOT DATE = Dec 12, 2014 - 4:02am

DESIGNED - BS
 DRAWN - CH
 CHECKED - JM
 DATE - 06/19/2014

REVISED -
 REVISED -
 REVISED -
 REVISED -

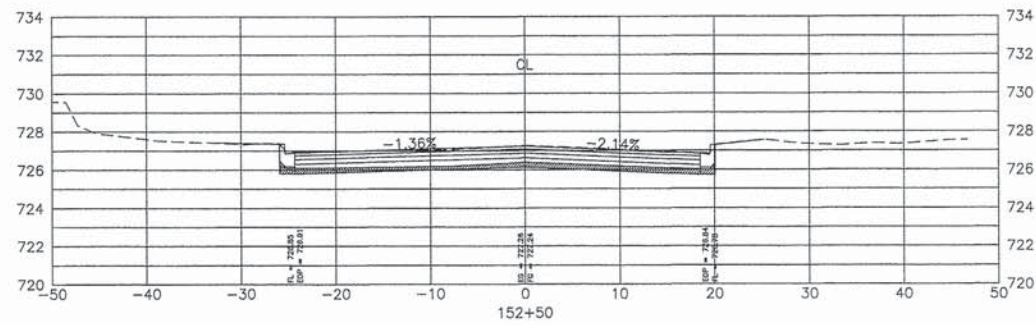
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

NICHOLS ROAD
 CROSS SECTIONS
 HORIZ. 1"=10'
 SCALE: VERT. 1"=5' SHEET NO. 50 OF 53 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2644	13-00205-00-FP	COOK	53	50
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO.	61A97

PLAN	DESIGNED	DATE
	CHECKED	BY
NOTE BOOK	GRADES CHECKED	
	BY	
NO.	STRUCTURE NOTATIONS	CHRD

PROFILE	DESIGNED	DATE
	CHECKED	BY
NOTE BOOK	GRADES CHECKED	
	BY	
NO.	STRUCTURE NOTATIONS	CHRD



Total Volume at Station 152+50	
Cut Area	11.39 S.F.
Fill Area	0.03 S.F.

FILE NAME = 2014 STP NICHOLS RD.DWG

USER NAME = chomuth
 LAYOUT NAME = CROSS-SECTIONS
 PLOT SCALE = 20.00' / IN.
 PLOT DATE = Dec 12, 2014 - 4:07am

DESIGNED - BS
 ZDRAWN - CH
 CHECKED - JM
 DATE - 06/19/2014

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**NICHOLS ROAD
 CROSS SECTIONS**

HORIZ. 1"=10'
 SCALE: VERT. 1"=5'

SHEET NO. 53 OF 53 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2644	13-00205-00-FP	COOK	53	53
CONTRACT NO.			61A97	
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		