

FOR INDEX OF SHEETS, SEE SHEET NO. 2

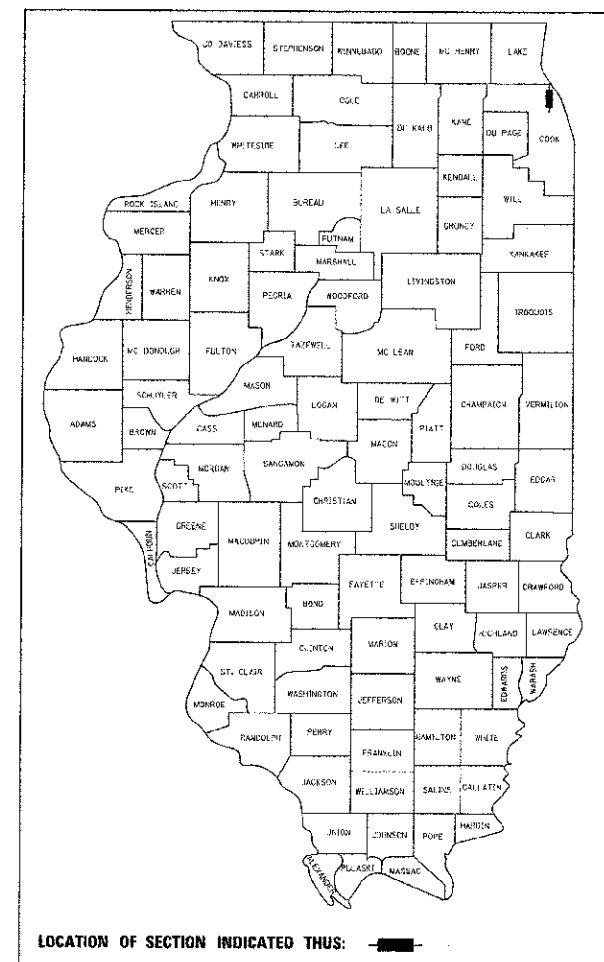
FOR INDEX OF HIGHWAY STANDARDS, SEE SHEET NO. 2

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

**PLANS FOR PROPOSED  
FEDERAL AID HIGHWAY  
FAP 0348 (WAUKEGAN ROAD) (IL ROUTE 43)  
AT FAU 1352 (CHESTNUT AVENUE)  
INTERSECTION IMPROVEMENTS  
SECTION 05-00160-00-CH  
PROJECT: F-0348(35)  
JOB NO. C-91-070-06  
VILLAGE OF GLENVIEW  
COOK COUNTY**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0348	05-00160-00-CH	COOK	109	1
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
1	C-91-070-06	F-0348(35)		

CONTRACT NO. 63756 #2 = 111



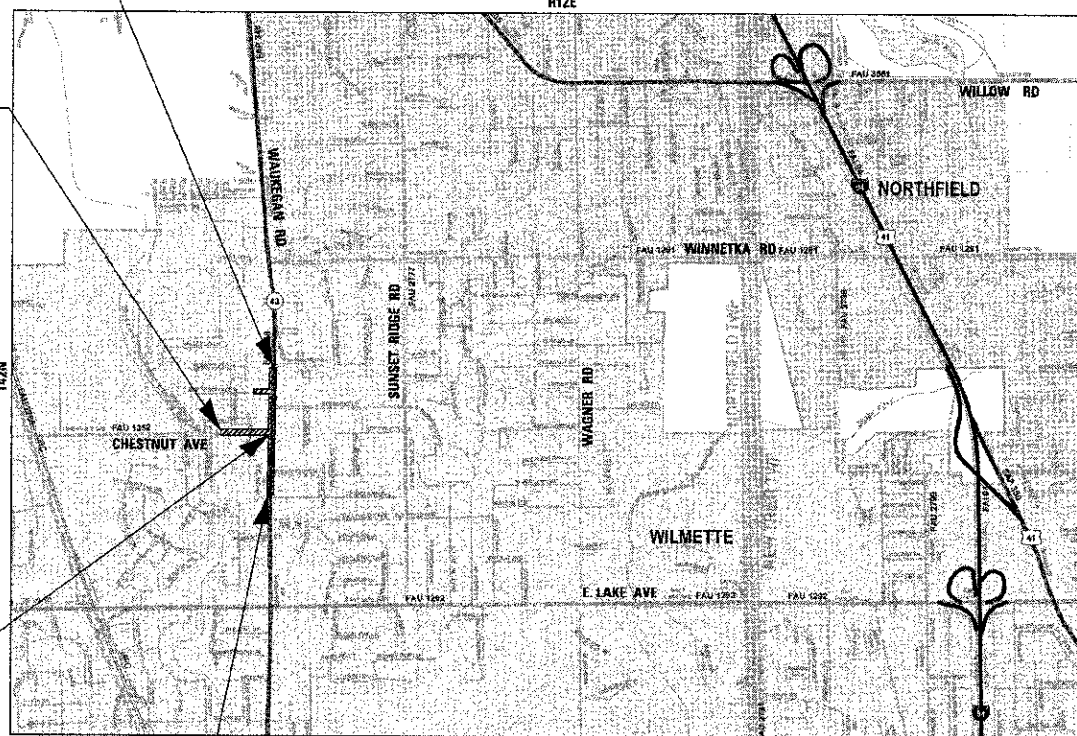
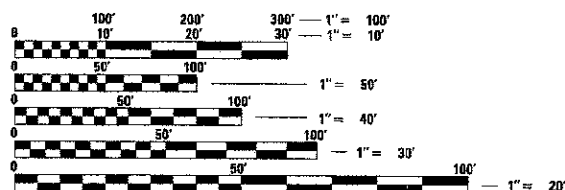
**TRAFFIC DATA**

**WAUKEGAN ROAD (IL ROUTE 43)**  
POSTED SPEED = 35 MPH  
DESIGN SPEED = 40 MPH  
EXISTING ADT = 27,700 (2007)  
PROPOSED ADT = 28,000 (2040)  
STRATEGIC REGIONAL ARTERIAL

**CHESTNUT ROAD**  
POSTED SPEED = 35 MPH  
DESIGN SPEED = 40 MPH  
EXISTING ADT = 12,900 (2007)  
PROPOSED ADT = 14,000 (2040)  
URBAN COLLECTOR

WAUKEGAN ROAD (IL ROUTE 43)  
IMPROVEMENT ENDS  
STA. 220 + 80

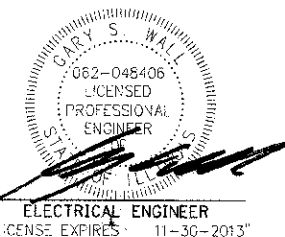
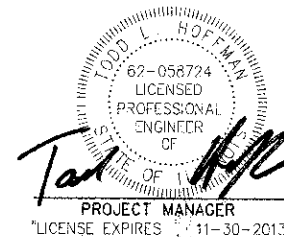
CHESTNUT AVENUE  
IMPROVEMENT BEGINS  
STA. 299 + 13



CHESTNUT AVENUE  
IMPROVEMENT ENDS  
STA. 306 + 73

WAUKEGAN ROAD (IL ROUTE 43)  
IMPROVEMENT BEGINS  
STA. 202 + 08

NORTHFIELD TOWNSHIP  
GROSS LENGTH OF IMPROVEMENT = 2632 LF OR 0.498 MILES  
NET LENGTH OF IMPROVEMENT = 2632 LF OR 0.498 MILES



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

APPROVED October 18, 2012  
*[Signature]*  
VILLAGE OF GLENVIEW

PASSED November 14, 2012  
*[Signature]*  
DISTRICT ENGINEER OF LOCAL ROADS AND STREETS

RELEASING FOR BID  
BASED ON LIMITED  
REVIEW November 15, 2012  
*[Signature]*  
DEPUTY DIRECTOR OF  
HIGHWAYS, REGION 1 ENGINEER

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

J.U.L.I.E. DESIGN STAGE REQUEST  
DIG. No. A3340859



CONTACT JULIE AT 811 OR 800-892-0123  
WITH THE FOLLOWING:  
COUNTY = COOK  
CITY-TOWNSHIP = GLENVIEW-NORTHFIELD  
SEC. & 1/4 SEC. NO. = SEC 26  
48 HOURS (2 working days) BEFORE YOU DIG

CONTRACT NO. 63756

B&W PROJECT NO.: 110025-12 DATE: 10-12-12

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 STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM #215707438  
 1800 W. 15TH STREET, SUITE 200, GLENVIEW, IL 60045  
 PROGRAM AND OFFICE ENGINEER: CHARLES F. RIDDLE, P.E. (847)705-4406 SCHAUMBURG, IL

### HIGHWAY STANDARDS

000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
424001-07	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424006-01	DIAGONAL CURB RAMPS FOR SIDEWALKS
424011-01	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
424021-01	DEPRESSED CORNER FOR SIDEWALKS
424026-01	ENTRANCE/ALLEY PEDESTRIAN CROSSINGS
442201-03	CLASS C AND D PATCHES
602001-02	CATCH BASIN TYPE A
602011-02	CATCH BASIN TYPE C
602301-03	INLET TYPE A
602401-03	MANHOLE TYPE A
602406-05	MANHOLE TYPE A 6'(1.8m) DIAMETER
602601-02	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701-02	MANHOLE STEPS
604001-03	FRAME AND LIDS TYPE 1
604056-03	FRAME AND GRATE TYPE 11V
604091-02	FRAME AND GRATE TYPE 24
606001-05	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606301-04	PC CONCRETE ISLANDS & MEDIANS
701006-04	OFF-RD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701011-03	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W MOVING OPERATIONS - DAY ONLY
701427-01	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS ≤ 40 MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701601-08	URBAN LANE CLOSURE, MULTILANE 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701602-06	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
701606-08	URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-08	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-05	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-02	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-03	SIGN PANEL ERECTION DETAILS
728001-01	TELESCOPING STEEL SIGN SUPPORT
780001-03	TYPICAL PAVEMENT MARKINGS
781001-03	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
805001-01	ELECTRICAL SERVICE INSTALLATION DETAILS
814001-02	HANDHOLES
814006-02	DOUBLE HANDHOLES
857001-01	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
862001-01	UNINTERRUPTIBLE POWER SUPPLY (UPS)
873001-02	TRAFFIC SIGNAL GROUNDING & BONDING
877001-05	STEEL MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
878001-09	CONCRETE FOUNDATION DETAILS
880001-01	SPAN WIRE MOUNTED SIGNALS AND FLASHING BEACON INSTALLATION
880006-01	TRAFFIC SIGNAL MOUNTING DETAILS
886001-01	DETECTOR LOOP INSTALLATIONS
886006-01	TYPICAL LAYOUTS FOR DETECTION LOOPS

### BENCHMARKS

DATUM: NAVD 88

1. BRONZE DISC IN PARKWAY 1716 HIGHLAND TERRACE (1,200' EAST OF WAUKEGAN RD OFF GLENWOOD AVE)  
EL = 654.38
2. NORTHWEST BOLT ON FIRE HYDRANT AT THE SOUTHEAST CORNER OF WAUKEGAN RD AND GLENWOOD AVE  
EL = 642.63
3. NORTHWEST BOLT ON FIRE HYDRANT AT 1610 WAUKEGAN RD (WEST SIDE)  
EL = 640.42
4. NORTHWEST BOLT ON FIRE HYDRANT AT 1805 WAUKEGAN RD IN FRONT OF DRY CLEANERS (EAST SIDE OF WAUKEGAN RD)  
EL = 644.23
5. NORTHWEST BOLT ON FIRE HYDRANT AT 1920 WAUKEGAN RD (WEST SIDE).  
EL = 643.85
6. NORTHWEST BOLT ON FIRE HYDRANT AT NORTHWEST CORNER OF WAUKEGAN RD AND CHESTNUT AVE  
EL = 642.58
7. NORTH BOLT ON FIRE HYDRANT ACROSS FROM 1717 CHESTNUT AVE (SOUTH SIDE)  
EL = 640.73

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### COMMITMENTS

THERE ARE NO COMMITMENTS FOR THIS PROJECT.

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DESIGNED - DSH	REVISED - 10-12-12 PER IDOT
DRAWN - MAC	REVISED -
CHECKED - TLH	REVISED -
DATE - 8/23/12	FILE - 1:0025-12-Index.sh+

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**INDEX OF SHEETS, HIGHWAY STANDARDS,**  
**BENCHMARKS, AND COMMITMENTS**

SCALE:

STA. TO STA.

F.A.P./T.A.U. RTF.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0348/1352	05-00160-00-01	COOK	109	2
C-91-070-06		CONTRACT NO. 63756		
FED. ROAD DIST. NO. 1 (ILLINOIS)		FED. AID PROJECT F-0348(35)		

**GENERAL NOTES**

**MWRD GENERAL NOTES - APPLIES TO WORK ON MWRD FACILITIES**

1. THE MWRD LOCAL SEWER SYSTEM SECTION FIELD OFFICE MUST BE NOTIFIED AT LEAST TWO (2) WORKING DAYS PRIOR TO THE COMMENCEMENT OF ANY WORK ON MWRD FACILITIES, INCLUDING MANHOLES AND PIPES (CALL 708-588-4055).
2. THE MINIMUM SLOPE FOR 8" SANITARY SEWER SERVICE PIPES SHALL BE 1.0% OR MATCH EXISTING (TO BE REPLACED) SEWER SERVICE SLOPE. PIPE MATERIAL: PVC- SDR 26, ASTM D2241.

**WATER MAIN GENERAL NOTES**

1. THE LOCATIONS OF EXISTING UNDERGROUND FACILITIES SHOWN ON THE DRAWINGS ARE BASED ON INFORMATION PROVIDED BY OWNERS OF THE FACILITIES AND ARE NOT NECESSARILY COMPLETE OR ACCURATE.
2. SIZES OF EXISTING WATER MAINS WERE DETERMINED FROM VILLAGE OF GLENVIEW WATER MAIN ATLAS AND PLANS, AND MAY NOT REPRESENT ACTUAL WATER MAINS SIZES. CONTRACTOR, AND LINE STOP AND WATER MAIN TAPPING SUBCONTRACTORS, SHALL HAVE AN ADEQUATE NUMBER OF FITTINGS, LINE STOPS, TAPPING SLEEVES AND TAPPING VALVES AVAILABLE TO COMPLETE WORK WITHOUT DELAYS DUE TO VARYING WATER MAIN PIPE SIZES.
3. PROTECT EXISTING UNDERGROUND UTILITIES AND BUILDING SERVICE LINES FROM DAMAGE. MAKE EXPLORATIONS AS NECESSARY TO DETERMINE THE EXACT LOCATIONS OF EXISTING UTILITIES. EXERCISE CARE DURING THE PROGRESS OF WORK TO PREVENT DAMAGE TO EXISTING UNDERGROUND FACILITIES.
4. COORDINATE WITH UTILITY COMPANIES TO SUPPORT, PROTECT, OR REMOVE AND REPLACE ALL POLES OR POLE ANCHORS AFFECTED BY CONSTRUCTION, EVEN WHERE SUPPORT IS NOT INDICATED ON THE DRAWINGS. COST OF THIS WORK SHALL BE INCIDENTAL TO CONSTRUCTION.
5. COVER ALL NEW FIRE HYDRANTS WITH BLACK PLASTIC BAGS AFTER INSTALLATION AND UNTIL NEW WATER MAIN IS IN SERVICE.
6. THE WATER MAIN PAY ITEM INCLUDES LABOR, MATERIAL, INCLUDING ALL FITTINGS (BENDS, WYES, TEES, MEGALUGS, REDUCERS, PLUGS, SLEEVES, ETC.) PIPE, REQUIRED WATER MAIN ADJUSTMENTS DUE TO UTILITY CROSSINGS, POLYETHYLENE ENCASEMENT, THRUST BLOCKS, TRACING CABLES, BEDDING, AGGREGATE TRENCH BACKFILL, PRESSURE AND LEAKAGE TESTING, CHLORINATION, AND EQUIPMENT REQUIRED FOR A COMPLETE AND OPERATIONAL INSTALLATION, INCLUDING THE NECESSARY CUTTING, PLUGGING AND REMOVAL OF EXISTING WATER MAINS TO BE ABANDONED, CROSSING UNDER EXISTING UTILITIES, ALL EXCAVATION, REMOVAL AND DISPOSAL OFF-SITE OF EXCAVATED MATERIAL.

1. ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE DETAILS IN THE PLANS, THE SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS, AND THE LATEST EDITION OF THE FOLLOWING STATE OF ILLINOIS SPECIFICATIONS: "THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" (REFERRED TO AS THE "STANDARD SPECIFICATIONS"), THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", THE "MANUAL OF TEST PROCEDURES FOR MATERIALS" AND THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS".
2. THE LOCATIONS OF PUBLIC OR PRIVATE UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE AND THE ENGINEER 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 BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES, INCLUDING SPRINKLER SYSTEMS, EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS.
3. THE CONTRACTOR MAY OBTAIN MUNICIPAL WATER IN BULK, AT NO CHARGE, AS LONG AS THERE IS NOT A "WATERING BAN" IN EFFECT. THE INDISCRIMINATE USE OF FIRE HYDRANTS IS STRICTLY PROHIBITED. WATER FOR CONSTRUCTION SHALL BE METERED OR OTHERWISE ACCOUNTED FOR AND A DAILY LOG MAINTAINED. THE CONTRACTOR SHALL PROVIDE THE WATER TRUCK AND DRIVER REQUIRED TO OBTAIN AND TRANSPORT THIS WATER. THE VILLAGE RESERVES THE RIGHT TO RESTRICT OR REFUSE THE USE OF VILLAGE WATER IF DEEMED NECESSARY. A DEPOSIT IS REQUIRED FOR A WATER METER.
4. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY BUSINESSES AND THE ENGINEER WHEN ACCESS TO THEIR DRIVEWAYS WILL BE TEMPORARILY CLOSED DUE TO CURB AND GUTTER AND/OR DRIVEWAY REPLACEMENT. EVERY EFFORT SHALL BE MADE TO ACCOMMODATE ACCESS TO THESE PROPERTIES. THE CONTRACTOR SHALL PROVIDE AT LEAST 72 HOURS NOTICE TO BUSINESSES BEFORE CLOSING DRIVEWAYS.
5. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL SECTION OR SUBSECTION MONUMENTS OR PROPERTY OR REFERENCE MARKERS UNTIL THE OWNERS, HIS AGENT OR AN AUTHORIZED SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATIONS.
6. ACCESS TO DRIVEWAYS SHALL BE PROVIDED AT ALL TIMES EXCEPT DURING ACTUAL CONSTRUCTION ADJACENT THERE TO. TEMPORARY RAMPS SHALL BE CONSTRUCTED AS NEEDED TO PROVIDE SUCH ACCESS, UTILIZING CRUSHED STONE OR CRUSHED GRAVEL AS TEMPORARY ACCESS.
7. EXISTING PAVEMENT, DRIVEWAY PAVEMENT, CURB AND GUTTER AND SIDEWALK TO REMAIN IN PLACE SHALL BE SAW CUT FULL DEPTH TO PROVIDE A NEAT VERTICAL FACE BETWEEN THE PROPOSED AND EXISTING AND SHALL BE INCLUDED IN THE PRICE OF THE APPROPRIATE REMOVAL PAY ITEM.
8. CURB AND GUTTER SHALL BE DEPRESSED AT DRIVEWAYS AND SIDEWALK RAMPS IN ACCORDANCE WITH THE IDOT HIGHWAY STANDARDS. SIDEWALK RAMPS FOR ACCESS FOR THE DISABLED SHALL BE PROVIDED AT THE PROPOSED CROSSWALKS IN ACCORDANCE WITH THE IDOT HIGHWAY STANDARDS OR AS DETERMINED BY THE ENGINEER.
9. PORTLAND CEMENT CONCRETE SIDEWALK SHALL BE THICKENED TO 8-INCHES AT LOCATIONS WHERE THE SIDEWALK CROSSES COMMERCIAL DRIVEWAYS.
10. A 1/2-INCH THICK EXPANSION JOINT SHALL BE PROVIDED AT THE JUNCTION OF THE DRIVEWAY APRON AND CURB, AND AT THE JUNCTION OF THE DRIVEWAY APRON AND THE SIDEWALK. THIS WORK WILL BE INCLUDED IN THE COST OF PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT.
11. PRIOR TO CONSTRUCTION OF ANY PROPOSED UTILITIES, THE CONTRACTOR SHALL EXCAVATE AND LOCATE THE EXISTING UTILITIES TO VERIFY THEIR LOCATION, SIZE, AND DEPTH TO INSURE THAT GRADE CONFLICTS WILL NOT OCCUR. THE COST OF THIS EXPLORATION SHALL BE PAID FOR AS EXPLORATION TRENCH, SPECIAL.
12. CONNECTION OF PROPOSED STORM SEWER INTO EXISTING STORM SEWER OR EXISTING STORM SEWER STRUCTURES SHALL BE INCLUDED IN THE COST OF STORM SEWERS.
13. CONNECTION OF EXISTING STORM SEWER INTO PROPOSED STORM SEWER STRUCTURES SHALL BE INCLUDED IN THE COST OF THE STORM SEWER STRUCTURE. ANY ADDITIONAL STORM SEWER PIPE REQUIRED TO MAKE THE CONNECTION SHALL BE OF THE SAME SIZE AND MATERIAL TYPE AS THE EXISTING STORM SEWER AND SHALL BE INCLUDED IN THE COST OF THE STORM SEWER STRUCTURE.
14. IF ANY STORM SEWER LATERALS ARE FOUND DURING CONSTRUCTION AND ARE NOT IDENTIFIED ON THE PLANS, THEY SHALL BE CONNECTED TO THE PROPOSED STORM SEWER SYSTEM AND INCLUDED IN THE COST OF THE STORM SEWER CONSTRUCTION.
15. STORM STRUCTURE OFFSET LOCATIONS ARE TO THE EDGE OF PAVEMENT IF THE STRUCTURE IS IN THE CURB LINE OR TO THE CENTER OF STRUCTURE IF THE STRUCTURE IS NOT IN THE CURBLINE.
16. FRAME ELEVATIONS GIVEN ON THE PLANS ARE ONLY TO ASSIST THE CONTRACTOR IN DETERMINING THE APPROXIMATE OVERALL HEIGHT OF THE STRUCTURE. FRAMES ON ALL NEW STRUCTURES SHALL BE ADJUSTED TO THE FINAL ELEVATION OF THE AREA IN WHICH THEY ARE LOCATED AS PART OF COST OF THE STRUCTURE.
17. ALL CRACKS AND JOINTS SHALL BE CLEANED PRIOR TO FILLING THEM. THIS WORK SHALL BE INCLUDED IN THE ITEM "MIXTURE FOR CRACKS, JOINTS AND FLANGWAYS."

18. DETECTABLE WARNINGS SHALL BE CONSTRUCTED WITH THE INSTALLATION OF A REPLACEABLE CAST-IN-PLACE POLYMER COMPOSITE PANEL, 24"x48" NOMINAL PANEL WIDTH AS MANUFACTURED BY "ADA SOLUTIONS, INC." OR "ARMOR CAST PRODUCT COMPANY" OR AN APPROVED EQUAL. THE PANEL SHALL COMPLY WITH ADA REQUIREMENTS. THE DOMES LOCATED ON THE PANEL SHALL PARALLEL THE PAVEMENT CROSS WALK WITH THE CLOSEST EDGE LOCATED AT THE BACK OF CURB. THE PANEL COLOR SHALL BE BRICK RED UNLESS OTHERWISE APPROVED BY THE ENGINEER. INSTALLATION SHALL OCCUR IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS.
19. PIPE UNDERDRAIN CONSTRUCTION AT THE LOCATIONS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER SHALL INCLUDE EXCAVATION; CONNECTIONS TO EXISTING OR PROPOSED STORM PIPES, DRAINAGE STRUCTURES, OR PIPE DRAINS; GEOTECHNICAL FABRIC SOCK; AND CA-11 TRENCH BACKFILL TO THE BOTTOM OF THE HOT-MIX ASPHALT OR PCC BASE COURSE.
20. INLINE CONNECTIONS OF PROPOSED STORM SEWER TO EXISTING STORM SEWER TO REMAIN SHALL BE MADE WITH A NON-SHEAR "BAND-SEAL" OR APPROVED EQUAL FLEXIBLE TYPE COUPLING. THIS WORK SHALL BE INCLUDED IN THE PROPOSED STORM SEWER.
21. PER VILLAGE OF GLENVIEW ORDINANCE, THE CONTRACTOR SHALL BE REQUIRED TO CONFINE THE WORK ACTIVITY BETWEEN 7:00 AM-7:00 PM MONDAY THROUGH FRIDAY, 9:00 AM-5:00 PM SATURDAYS. WORK ON SATURDAYS SHALL BE COORDINATED AND APPROVED IN WRITING BY THE ENGINEER AT LEAST 48 HOURS IN ADVANCE. NO WORK WILL BE PERMITTED ON HOLIDAYS WITHOUT THE ENGINEER'S WRITTEN APPROVAL. WORK ACTIVITY, AS INTENDED HEREIN, INCLUDES WARMING/STARTING UP/IDLING OF ANY MACHINERY OR ENGINES.
22. ALL SAW CUTTING REQUIRED TO COMPLETE THE PROPOSED UTILITY WORK SHALL BE INCLUDED IN THE COST OF PROPOSED UTILITY WORK.
23. THE CONTRACTOR SHALL ENSURE THAT ALL WATER SYSTEM VALVES, VALVE VAULTS, AND SANITARY SEWER MANHOLES REMAIN READILY ACCESSIBLE TO THE VILLAGE FOR EMERGENCY OPERATIONS. THE LOCATION OF ALL WATER AND SANITARY FACILITIES SHALL BE MARKED AND READILY VISIBLE AT ALL TIMES.
24. ANY LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES, WHICH OBSTRUCTS THE NATURAL FLOW OF WATER SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. ALL DRAINAGE AND SANITARY STRUCTURES SHALL BE FREE OF DIRT AND DEBRIS.
25. THE MWRD LOCAL SEWER SYSTEM SECTION FIELD OFFICE MUST BE NOTIFIED AT LEAST TWO (2) WORKING DAYS PRIOR TO THE COMMENCEMENT OF ANY WORK ON MWRD FACILITIES, INCLUDING MANHOLES AND PIPES (CALL 708-588-4055). SEE THE MWRD NOTES FOR OTHER INFORMATION.
26. VILLAGE OF GLENVIEW PUBLIC WORKS DEPARTMENT (847) 657-3030  
VILLAGE OF GLENVIEW CAPITAL PROJECTS DEPARTMENT (847) 998-9500
27. ONLY VILLAGE OF GLENVIEW PUBLIC WORKS DEPARTMENT STAFF SHALL OPERATE WATER VALVES. COORDINATE SHUTDOWNS WITH THE ENGINEER. SEE WATER MAIN GENERAL NOTES FOR OTHER INFORMATION.
28. CLASS B STORM SEWER SHALL BE PVC SDR 26 OR APPROVED EQUAL MEETING ARTICLE 1040.03(o) OF THE STANDARD SPECIFICATIONS.
29. AGGREGATE BASE COURSE, TYPE B - 4" SHALL BE INSTALLED UNDER ALL DRIVEWAY PAVEMENTS CONSTRUCTED ACCORDING TO IDOT DISTRICT ONE DETAIL BD-01. THE AGGREGATE BASE COURSE, TYPE B - 4" WILL BE PAID FOR SEPARATELY.
30. THE RESIDENT ENGINEER SHALL CONTACT WALTER CZARNY, AREA FIELD TRAFFIC ENGINEER AT 847-715-8419 AT LEAST 2 WEEKS PRIOR TO PLACING PERMANENT PAVEMENT MARKINGS.
31. THE CONTRACTOR SHALL NOTIFY THE IDOT TRAFFIC CONTROL SUPERVISOR AT 847-705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
32. TRENCH BACKFILL FOR THIS PROJECT SHALL CONSIST OF CRUSHED CA-7, CAPPED WITH 12" OF CRUSHED CA-6 AND SHALL BE COMPACTED BY METHOD 1 ONLY, UNLESS OTHERWISE ALLOWED BY THE ENGINEER.

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DATE - 8/23/12	FILE - 110025-12_GenNotes.sht

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>GENERAL NOTES</b>	
SCALE:	STA. TO STA.

F.A.P./F.A.U. RT.	SECTION	COUNTY	TOTAL SHEET SHEETS: NO.
034B/1352	05-03160-00-CH	COOK	109   3
C-91-070-06		CONTRACT NO. 63756	
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT F-0348359	

**SUMMARY OF QUANTITIES**

CODE NUMBER	PAY ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE		
				ROADWAY 0004	SAFETY 0021	NON PARTICIPATING
* 20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	162	162	-	-
* 20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	74	74	-	-
20101100	TREE TRUNK PROTECTION	EACH	16	13	-	3
* 20101200	TREE ROOT PRUNING	EACH	16	13	-	3
20200100	EARTH EXCAVATION	CU YD	3,753	3,109	-	644
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	2,260	2,201	-	59
20800150	TRENCH BACKFILL	CU YD	288	227	-	61
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	4,556	4,556	-	-
* 21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	5,598	5,011	-	587
* 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	72	64	-	8
* 25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	72	64	-	8
* 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	72	64	-	8
* 25200110	SODDING, SALT TOLERANT	SQ YD	5,598	5,011	-	587
* 25200200	SUPPLEMENTAL WATERING	UNIT	59	52	-	7
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	117	104	-	13
28000400	PERIMETER EROSION BARRIER	FOOT	314	314	-	-
28000510	INLET FILTERS	EACH	81	73	-	8
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	629	629	-	-
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	4,141	4,141	-	-
35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	8,493	6,337	-	2,156
35300200	PORTLAND CEMENT CONCRETE BASE COURSE 7"	SQ YD	14	14	-	-
35300205	PORTLAND CEMENT CONCRETE BASE COURSE 7 1/4"	SQ YD	65	65	-	-
35501304	HOT-MIX ASPHALT BASE COURSE, 5"	SQ YD	559	-	-	559
35501312	HOT-MIX ASPHALT BASE COURSE, 7"	SQ YD	440	440	-	-
35501313	HOT-MIX ASPHALT BASE COURSE, 7 1/4"	SQ YD	2,153	2,153	-	-
35501316	HOT-MIX ASPHALT BASE COURSE, 8"	SQ YD	2,715	1,781	-	934
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	15	13	-	2
40600300	AGGREGATE (PRIME COAT)	TON	64	59	-	5
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	5	4	-	1
40600827	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	827	777	-	50

\* INDICATES SPECIALTY ITEM

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 FILE: 110025-12-S00.dht



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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: STA. TC STA.

F.A.P./F.A.U. RYE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0348/1352	05-00163-09-CH	COOK	109	4
C-91-070-06		CONTRACT NO. 63756		
ILL. ROAD DIST. NO. 1 (ILLINOIS)		FED. AID PROJECT F-0348(35)		



**SUMMARY OF QUANTITIES**

CODE NUMBER	PAY ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE		
				ROADWAY 0004	SAFETY 0021	NON PARTICIPATING
40600895	CONSTRUCTING TEST STRIP	EACH	1	1	-	-
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	110	98	-	12
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	421	226	-	195
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	300	300	-	-
40603595	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90	TON	1,226	1,226	-	-
42001300	PROTECTIVE COAT	SQ YD	5,203	4,539	-	664
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	391	391	-	-
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	18,712	15,557	50	3,105
42400410	PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH	SQ FT	3,828	3,105	-	723
42400800	DETECTABLE WARNINGS	SQ FT	152	152	-	-
44000100	PAVEMENT REMOVAL	SQ YD	760	147	-	613
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SQ YD	3,690	3,243	-	447
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SQ YD	9,961	9,961	-	-
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	4,354	3,254	-	1,100
44000300	CURB REMOVAL	FOOT	1,521	1,177	-	344
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	4,859	4,549	-	310
44000600	SIDEWALK REMOVAL	SQ FT	15,591	13,830	-	1,761
44201737	CLASS D PATCHES, TYPE I, 8 INCH	SQ YD	39	34	-	5
44201741	CLASS D PATCHES, TYPE II, 8 INCH	SQ YD	76	67	-	9
44201745	CLASS D PATCHES, TYPE III, 8 INCH	SQ YD	154	136	-	18
44201747	CLASS D PATCHES, TYPE IV, 8 INCH	SQ YD	397	350	-	47
44201798	CLASS D PATCHES, TYPE I, 13 INCH	SQ YD	100	100	-	-
44201803	CLASS D PATCHES, TYPE II, 13 INCH	SQ YD	200	200	-	-
44201807	CLASS D PATCHES, TYPE III, 13 INCH	SQ YD	399	399	-	-
44201809	CLASS D PATCHES, TYPE IV, 13 INCH	SQ YD	409	409	-	-
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	217	217	-	-
550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	FOOT	180	180	-	-
550B0050	STORM SEWERS, CLASS B, TYPE 1 12"	FOOT	227	-	-	227
550B0070	STORM SEWERS, CLASS B, TYPE 1 15"	FOOT	75	75	-	-
55100300	STORM SEWER REMOVAL 8"	FOOT	59	59	-	-

\* INDICATES SPECIALTY ITEM

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: STA. TO STA.

F.A.P./F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0348/1352	05-00160-00-CH	COOK	109	5
C-91-070-06		CONTRACT NO. 63756		
FED. ROAD DIST. NO. 1 (ILLINOIS)		FED. AID PROJECT F-0348(35)		

**SUMMARY OF QUANTITIES**

CODE NUMBER	PAY ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE		
				ROADWAY 0004	SAFETY 0021	NON PARTICIPATING
55100400	STORM SEWER REMOVAL 10"	FOOT	12	12	-	-
55100500	STORM SEWER REMOVAL 12"	FOOT	288	252	-	36
55100700	STORM SEWER REMOVAL 15"	FOOT	76	76	-	-
* 56100800	WATER MAIN 10"	FOOT	634	-	-	634
* 56400820	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX	EACH	6	-	-	6
60107600	PIPE UNDERDRAINS 4"	FOOT	642	600	-	42
60200205	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2	2	-	-
60201105	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	EACH	1	-	-	1
60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	2	2	-	-
60203905	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1	-	-
60207005	CATCH BASINS, TYPE C, TYPE 1 FRAME, CLOSED LID	EACH	1	1	-	-
60207905	CATCH BASINS, TYPE C, TYPE 11 FRAME AND GRATE	EACH	1	-	-	1
60208240	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	EACH	19	19	-	-
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2	2	-	-
60221102	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID, RESTRICTOR PLATE	EACH	1	1	-	-
60235300	INLETS, TYPE A, TYPE 1 FRAME, CLOSED LID	EACH	1	1	-	-
60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	1	1	-	-
60236800	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	EACH	2	-	-	2
60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	EACH	6	6	-	-
60250200	CATCH BASINS TO BE ADJUSTED	EACH	6	5	-	1
60250400	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, OPEN LID	EACH	1	1	-	-
60250500	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	19	19	-	-
60251500	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 11 FRAME AND GRATE	EACH	1	-	-	1
60251740	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 24 FRAME AND GRATE	EACH	4	4	-	-
60265500	MANHOLES TO BE ADJUSTED	EACH	6	6	-	-
60260400	INLETS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	1	1	-	-
60265700	VALVE VAULTS TO BE ADJUSTED	EACH	5	5	-	-
60266100	VALVE VAULTS TO BE RECONSTRUCTED	EACH	2	2	-	-
60500040	REMOVING MANHOLES	EACH	2	2	-	-
60500050	REMOVING CATCH BASINS	EACH	14	13	-	1

\* INDICATES SPECIALTY ITEM

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE:

STA. TO STA.

F.A.P./F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0348/1352	05-0016C-0C-CH	COOK	109	6
C-91-070-06		CONTRACT NO. 63756		
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT F-0348(39)		

**SUMMARY OF QUANTITIES**

CODE NUMBER	PAY ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE		
				ROADWAY 0004	SAFETY 0021	NON PARTICIPATING
60500060	REMOVING INLETS	EACH	1	1	-	-
60600605	CONCRETE CURB, TYPE B	FOOT	795	350	-	445
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	2,384	1,589	-	795
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	4,291	4,291	-	-
60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	550	550	-	-
60619600	CONCRETE MEDIAN, TYPE SB-6.12	SQ FT	1,197	1,197	-	-
67100100	MOBILIZATION	L SUM	1	1	-	-
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	600	500	-	100
* 66900450	SPECIAL WASTE PLANS AND REPORTS	L SUM	1	1	-	-
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	6	6	-	-
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1	-	-
70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	1	-	-
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	1	-	-
70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	L SUM	1	1	-	-
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1	-	-
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1	-	-
70300100	SHORT TERM PAVEMENT MARKING	FOOT	807	790	-	17
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	504	372	-	132
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	9,747	9,281	-	466
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	1,926	1,858	-	68
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	70	70	-	-
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	213	163	-	50
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	91	89	-	2
72000100	SIGN PANEL - TYPE 1	SQ FT	114	100	-	14
72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	237	207	-	30
* 78000100	THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	504	372	-	132
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	8,367	7,901	-	466
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1,926	1,858	-	68
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	70	70	-	-
* 78000850	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	213	163	-	50

\* INDICATES SPECIALTY ITEM

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: STA. TO STA.

F.A.P./F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0548/1352	05-00160-CO-CH	COCK	109	7
C-91-070-06			CONTRACT NO. 63756	
FED. ROAD DIST. NO. 1 ILLINOIS			FED. AID PROJECT F-0348051	

### SUMMARY OF QUANTITIES

CODE NUMBER	PAY ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE		
				ROADWAY 0004	SAFETY 0021	NON PARTICIPATING
78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	243	243	-	-
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	190	190	-	-
* 80500020	SERVICE INSTALLATION - POLE MOUNTED	EACH	1	-	1	-
* 81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	1807	-	1,762	45
* 81028210	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	56	-	56	-
* 81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	1110	-	1,110	-
* 81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	476	-	476	-
* 81400100	HANDHOLE	EACH	5	-	5	-
* 81400200	HEAVY-DUTY HANDHOLE	EACH	4	-	3	1
* 81400300	DOUBLE HANDHOLE	EACH	2	-	2	-
* 81400730	HANDHOLE, COMPOSITE CONCRETE	EACH	40	-	40	-
* 81603110	UNIT DUCT, 600V, 4-1C NO.4, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/2" DIA. POLYETHYLENE	FOOT	4195	-	4,195	-
* 83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	248	-	248	-
* 84200804	REMOVAL OF POLE FOUNDATION	EACH	26	3	23	-
* 84400105	RELOCATE EXISTING LIGHTING UNIT	EACH	23	-	23	-
* 86400100	TRANSCEIVER - FIBER OPTIC	EACH	1	-	1	-
* 87300925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	2962	-	2,962	-
* 87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1224	-	836	388
* 87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1598	-	1,196	402
* 87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	959	-	856	103
* 87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1706	-	1,401	305
* 87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	2148	-	1,788	360
* 87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	53	-	53	-
* 87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT, GROUNDING CONDUCTOR, NO. 6 1C	FOOT	516	-	516	-
* 87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	4	-	4	-
* 87700180	STEEL MAST ARM ASSEMBLY AND POLE, 28 FT.	EACH	1	-	1	-
* 87700210	STEEL MAST ARM ASSEMBLY AND POLE, 34 FT.	EACH	1	-	1	-
* 87700240	STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH	1	-	1	-
* 87700300	STEEL MAST ARM ASSEMBLY AND POLE, 52 FT.	EACH	1	-	-	1
* 87800100	CONCRETE FOUNDATION, TYPE A	FOOT	16	-	16	-

\* INDICATES SPECIALTY ITEM

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 STATE OF ILLINOIS - PROFESSIONAL LICENSE FIRM  
 LICENSE NO. - 086-0011 - EXPIRES 4/30/2013  
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DATE -	8/23/12	FILE -	110025-12-500.shd

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: 1 STA. TO STA.

F.A.P./F.A.U. RT#	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0348/1352	05-00160-00-CH	COOK	109	8
C-91-070-06		CONTRACT NO. 63756		
FED. ROAD DIST. NO. 1 (ILLINOIS)		FED. AID PROJECT F-0348(34)		

**SUMMARY OF QUANTITIES**

CODE NUMBER	PAY ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE		
				ROADWAY 0004	SAFETY 0021	NON PARTICIPATING
* 87800150	CONCRETE FOUNDATION, TYPE C	FOOT	4	-	4	-
* 87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	10	-	10	-
* 87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	39	-	24	15
* 87900200	DRILL EXISTING HANDHOLE	EACH	1	-	1	-
* 88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	5	-	4	1
* 88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	3	-	2	1
* 88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	5	-	4	1
* 88030220	SIGNAL HEAD, LED, 2-FACE, 5 SECTION, BRACKET MOUNTED	EACH	1	-	1	-
* 88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8	-	6	2
* 88200110	TRAFFIC SIGNAL BACKPLATE, LOUVERED	EACH	10	-	8	2
* 88500100	INDUCTIVE LOOP DETECTOR	EACH	9	-	7	2
* 88600100	DETECTOR LOOP, TYPE I	FOOT	1,010	-	807	203
* 88700200	LIGHT DETECTOR	EACH	2	-	2	-
* 88700300	LIGHT DETECTOR AMPLIFIER	EACH	1	-	1	-
* 88800100	PEDESTRIAN PUSH-BUTTON	EACH	8	-	6	2
* 89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1	-	1	-
* 89500120	REMOVE EXISTING SERVICE INSTALLATION	EACH	1	-	1	-
* 89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	10,253	-	10,253	-
* 89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1	-	1	-
* 89502380	REMOVE EXISTING HANDHOLE	EACH	12	-	12	-
* 89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	17	9	8	-
* A2004824	TREE, GLEDITSIA TRIACANTHOS INERMIS SKYLINE (SKYLINE THORNLESS COMMON HONEYLOCUST), 3" CALIPER, BALLED AND BURLAPPED	EACH	10	9	-	1
* A2005024	TREE, GYMNOCLADUS DIOICUS (KENTUCKY COFFEETREE), 3" CALIPER, BALLED AND BURLAPPED	EACH	11	10	-	1
* B2006124	TREE, SYRINGA PEKINENSIS MORTON (CHINA SNOW PEKING LILAC), 3" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	5	4	-	1
* C2005818	SHRUB, RHUS AROMATICA GRO-LOW (GRO-LOW FRAGRANT SUMAC), 18" WIDTH, BALLED AND BURLAPPED	EACH	20	20	-	-
Z0013302	SEGMENTAL CONCRETE BLOCK WALL	SQ FT	216	216	-	-
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1	-	-
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	259	259	-	-
* Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	8	-	8	-
* Z0033046	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	1	-	1	-

\* INDICATES SPECIALTY ITEM

DESIGNED BY: DSH  
 DRAWN BY: MAC  
 CHECKED BY: TLH  
 DATE: 8/23/12  
 REVISED - 10-12-12 PER IDOT  
 REVISED - 10-29-12 PER VILLAGE  
 REVISED -  
 FILE - J10025-12-S00.eht  
 STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 CONTRACT NO. 63756  
 SECTION 05-00160-00-CH  
 COUNTY COOK  
 SHEET NO. 9  
 TOTAL SHEETS 109  
 FED. ROAD DIST. NO. 1 ILLINOIS  
 FED. AID PROJECT F-0348(35)



DESIGNED	DSH	REVISED	- 10-12-12 PER IDOT
DRAWN	MAC	REVISED	- 10-29-12 PER VILLAGE
CHECKED	TLH	REVISED	-
DATE	8/23/12	FILE	J10025-12-S00.eht

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: STA. TO STA.

F.A.P./F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0348/1352	05-00160-00-CH	COOK	109	9
C-91-073-06		CONTRACT NO. 63756		
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT F-0348(35)		

**SUMMARY OF QUANTITIES**

CODE NUMBER	PAY ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE		
				ROADWAY 0004	SAFETY 0021	NON PARTICIPATING
Z0056608	STORM SEWERS (WATER MAIN REQUIREMENTS) 12 INCH	FOOT	90	90	-	-
Z0062456	TEMPORARY PAVEMENT	SQ YD	1,001	369	-	632
* Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1	-	1	-
# Z0076600	TRAINEES	HOUR	1,000	1,000	-	-
# Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	1,000	1,000	-	-
* X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	318	-	318	-
* X0324585	SANITARY SEWER SERVICE REMOVAL AND REPLACEMENT	EACH	5	-	-	5
* X0325950	GATE VALVE 8" WITH VAULT, 5' DIAMETER	EACH	1	-	-	1
* X2130010	EXPLORATION TRENCH, SPECIAL	FOOT	180	150	-	30
X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	38	31	-	7
X4023000	TEMPORARY ACCESS (ROAD)	EACH	3	-	-	3
* X5610640	PLUG EX WATER MAIN	EACH	8	-	-	8
X6011805	PIPE DRAINS 8" (SPECIAL)	FOOT	15	15	-	-
X6020294	MANHOLES, TYPE A, 7'-DIAMETER, TYPE 1 FRAME, CLOSED LID, RESTRICTOR PLATE	EACH	1	1	-	-
* X6026050	SANITARY MANHOLES TO BE ADJUSTED	EACH	8	7	-	1
* X6026056	SANITARY MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	8	8	-	-
* X6026057	SANITARY MANHOLES TO BE RECONSTRUCTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	1	1	-	-
* X6026622	VALVE VAULT TO BE REMOVED	EACH	7	-	-	7
X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	6	6	-	-
* X8250500	LIGHTING UNIT COMPLETE, SPECIAL	EACH	4	-	4	-
* X8360215	LIGHT POLE FOUNDATION, 24" DIAMETER, OFFSET	FOOT	48	-	48	-
* X8570228	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1	-	1	-
* X8620200	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1	-	1	-
* X8710024	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	2,962	-	2,962	-
* XX002065	LIGHTING UNIT COMPLETE	EACH	7	-	7	-
* XX003516	CONNECTION TO EXISTING WATER MAINS (NON-PRESSURE) - 8"	EACH	2	-	-	2
* XX003517	CONNECTION TO EXISTING WATER MAINS (NON-PRESSURE) - 6"	EACH	1	-	-	1
* XX006252	SANITARY SEWER REPLACEMENT, WATER MAIN QUALITY	EACH	1	-	-	1
* XX007266	FIRE HYDRANT TO BE REMOVED, SPECIAL	EACH	7	-	-	7
* XX008156	LINE STOPS 10"	EACH	6	-	-	6

\* INDICATES SPECIALTY ITEM  
# INDICATES CONSTRUCTION TYPE CODE 0042 TRAINEES

CONTRACT NO. 0348/1352  
 DESIGNED BY: DSH  
 DRAWN BY: MAC  
 CHECKED BY: TLH  
 DATE: 8/23/12  
 REVISED - 10-12-12 PER IDOT  
 REVISED - 11-29-12 PER VILLAGE  
 REVISED -  
 FILE - 110025-12-500.sh1  
 STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 SCALE: STA. TO STA.  
 F.A.R./F.A.L. R.F.E. SECTION COUNTY TOTAL SHEET NO. 0348/1352 05-00160-00-CH COOK 109 10 C-91-070-06 CONTRACT NO. 63756 FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT F-0348(36)



DESIGNED - DSH	REVISED - 10-12-12 PER IDOT
DRAWN - MAC	REVISED - 11-29-12 PER VILLAGE
CHECKED - TLH	REVISED -
DATE - 8/23/12	FILE - 110025-12-500.sh1

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: STA. TO STA.

F.A.R./F.A.L. R.F.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0348/1352	05-00160-00-CH	COOK	109	10
C-91-070-06		CONTRACT NO. 63756		
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT F-0348(36)		



**SUMMARY OF QUANTITIES**

CODE NUMBER	PAY ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE		
				ROADWAY 0004	SAFETY 0021	NON PARTICIPATING
* XX008188	SANITARY SEWER REPAIR, REMOVE AND REPLACE	FOOT	98	-	-	98
* XX008296	GATE VALVE 10" WITH VAULT, 5' DIAMETER	EACH	9	-	-	9
* XX008789	REMOVE EXISTING HANDHOLE, LIGHTING	EACH	6	-	6	-
* XX008790	WATER MAIN, (RESTRAINED JOINT TYPE) 6"	FOOT	45	-	-	45
* XX008791	WATER MAIN, (RESTRAINED JOINT TYPE) 8"	FOOT	45	-	-	45
* XX008792	WATER MAIN, (RESTRAINED JOINT TYPE) 10"	FOOT	530	-	-	530
* XX008793	WATER MAIN - HDD METHOD, (RESTRAINED JOINT TYPE) 8"	FOOT	60	-	-	60
* XX008794	WATER MAIN - HDD METHOD, (RESTRAINED JOINT TYPE) 10"	FOOT	195	-	-	195
* XX008795	WATER MAIN INSIDE CASING PIPE, 8"	FOOT	23	-	-	23
* XX008796	CASING PIPE, 16"	FOOT	23	-	-	23
* XX008797	WATER MAIN TREE TUNNELING, 10"	FOOT	40	-	-	40
* XX008798	CONNECTION TO EXISTING WATER MAINS (NON-PRESSURE) - 10"	EACH	10	-	-	10
* X5630710	CONNECTION TO EXISTING WATER MAIN, 10"	EACH	1	-	-	1
* XX008799	WATER SERVICE LINE 1 -1/2"	EACH	2	-	-	2
* XX008530	WATER SERVICE LINE, DIRECTIONAL BORING, 1 -1/2"	EACH	1	-	-	1
* XX007821	WATER SERVICE LINE 2"	EACH	1	-	-	1
* XX008801	WATER SERVICE LINE, DIRECTIONAL BORING 2"	EACH	1	-	-	1
* XX008800	GATE VALVE 6" WITH VAULT, 5' DIAMETER	EACH	1	-	-	1
* XX008802	INSERTION VALVE 10" WITH VAULT	EACH	1	-	-	1
* XX008803	INSERTION VALVE 10" WITH VALVE BOX	EACH	1	-	-	1
* XX008804	WATER MAIN CUT-IN TEE, 10"	EACH	4	-	-	4
* XX008805	EXISTING TEE REMOVAL, 10"	EACH	3	-	-	3
* XX008806	ABANDON EXISTING WATER MAIN, FILL WITH CLSM, 8"	FOOT	165	-	-	165
* XX008807	ABANDON EXISTING WATER MAIN, FILL WITH CLSM, 10"	FOOT	337	-	-	337
* XX008808	STEEL CASING REMOVAL, 20 INCH	FOOT	12	-	-	12

\* INDICATES SPECIALTY ITEM

DESIGNED BY: BAXTER & WOODMAN, INC. PROJECT NO. 05-00160-00-CH CONTRACT NO. 63756  
 DRAWN BY: MAC DATE: 8/23/12  
 CHECKED BY: TLH  
 FILE: 110025 12 500.sht



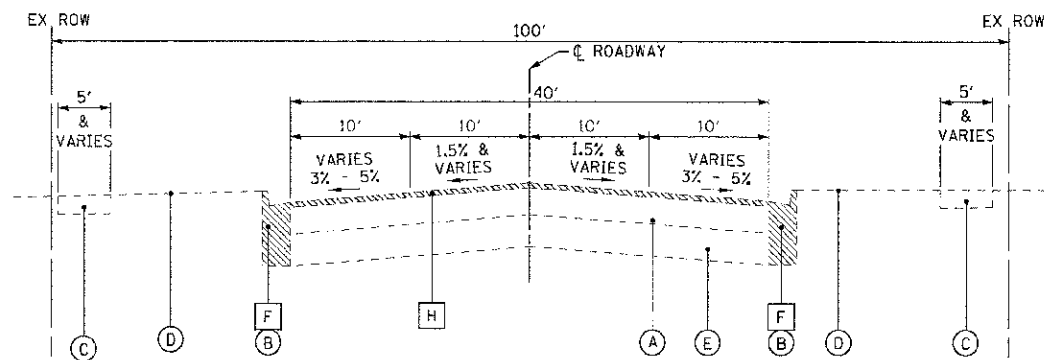
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DRAWN - MAC	REVISED - 10-29-12 PER VILLAGE
CHECKED - TLH	REVISED -
DATE 8/23/12	FILE 110025 12 500.sht

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

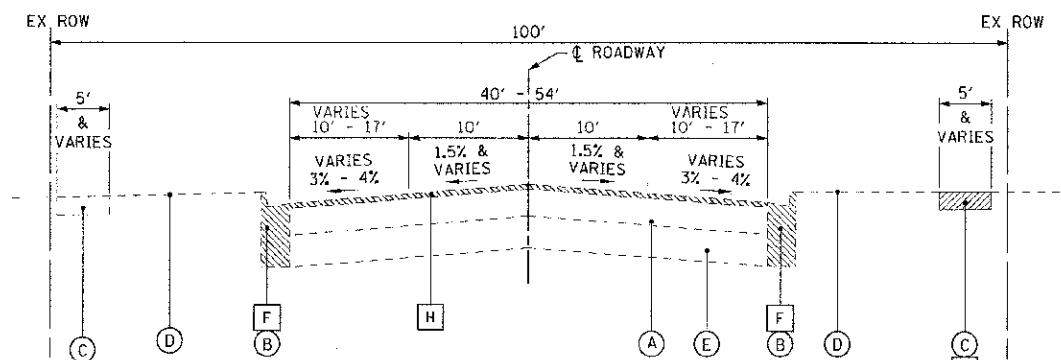
**SUMMARY OF QUANTITIES**

SCALE: STA. TO STA.

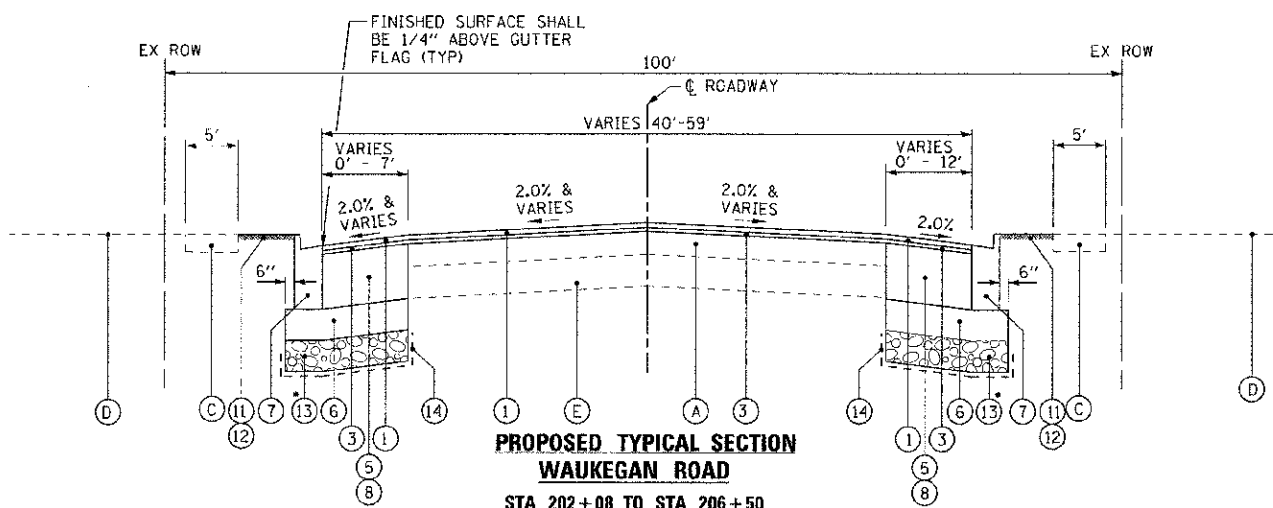
F.A.P./F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0348/1352	05-00160-00-CH	COOK	109	11
C-91-070-06		CONTRACT NO. 63756		
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT F-0348(35)		



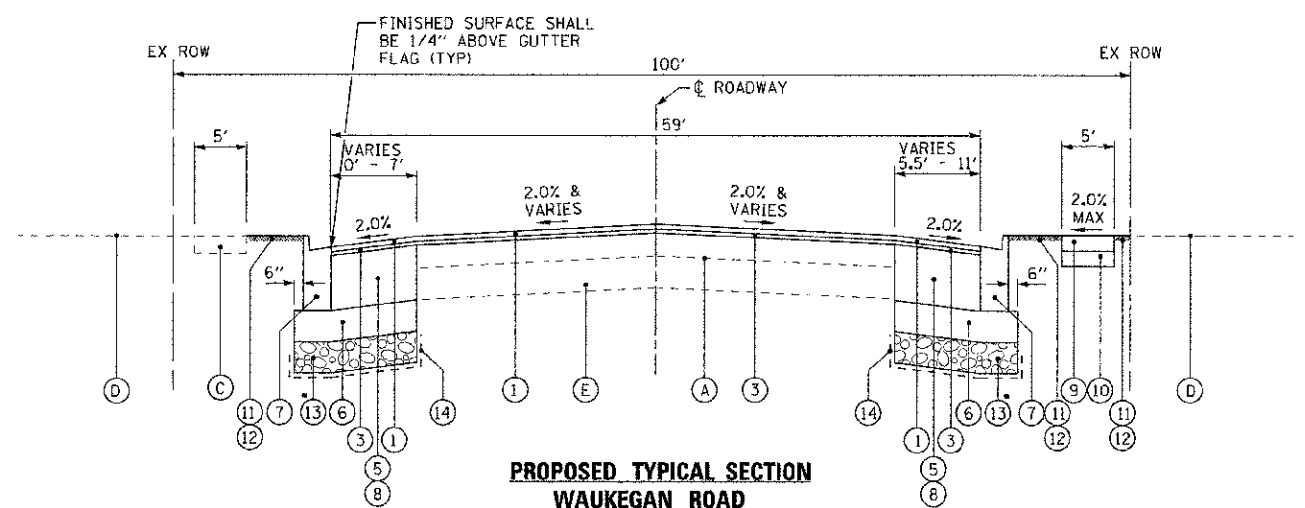
**EXISTING TYPICAL SECTION  
WAUKEGAN ROAD**  
STA 202+08 TO STA 206+50  
STA 215+57 TO STA 220+80



**EXISTING TYPICAL SECTION  
WAUKEGAN ROAD**  
STA 206+50 TO STA 211+48



**PROPOSED TYPICAL SECTION  
WAUKEGAN ROAD**  
STA 202+08 TO STA 206+50  
STA 215+57 TO STA 220+80



**PROPOSED TYPICAL SECTION  
WAUKEGAN ROAD**  
STA 206+50 TO STA 211+48

**EXISTING LEGEND**

- (A) EXISTING HOT-MIX ASPHALT BINDER & SURFACE COURSES, - 7"±
- (AA) EXISTING HOT-MIX ASPHALT BASE, BINDER & SURFACE COURSES, - 10"±
- (B) EXISTING CURB AND GUTTER
- (C) EXISTING CONCRETE SIDEWALK
- (D) GROUND SURFACE (12" AVG. TOPSOIL DEPTH)
- (E) EXISTING CONCRETE BASE COURSE - 7 1/2"±
- (F) COMBINATION CURB AND GUTTER REMOVAL
- (G) SIDEWALK REMOVAL (WHERE SHOWN ON PLANS OR AS DETERMINED BY THE ENGINEER)
- (H) HOT-MIX ASPHALT SURFACE REMOVAL - 2 1/2"
- (I) PAVEMENT REMOVAL
- (J) HOT-MIX ASPHALT SURFACE REMOVAL - 2 1/4"
- (K) EXISTING AGGREGATE SUBBASE - 4"±
- (X) ITEM TO BE REMOVED

**PROPOSED LEGEND**

- (1) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 - 1 3/4"
- (2) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 - 1 1/2"
- (3) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 - 3/4"
- (4) HOT-MIX ASPHALT BASE COURSE, 7"
- (5) HOT-MIX ASPHALT BASE COURSE, 7 1/4" (FOR WIDENING AREAS MORE THAN 2' WIDE)
- (6) AGGREGATE SUBGRADE IMPROVEMENT - 12"
- (7) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (8) PORTLAND CEMENT CONCRETE BASE COURSE, 7 1/4" (FOR WIDENING AREAS LESS THAN 2' WIDE)
- (9) PCC SIDEWALK - 5" OR 8" (WHERE SHOWN ON PLANS OR AS DETERMINED BY THE ENGINEER)
- (10) AGGREGATE BASE COURSE, TYPE B - 4"
- (11) TOPSOIL FURNISH AND PLACE - 4"
- (12) SODDING, SALT TOLERANT
- (13) AGGREGATE SUBGRADE IMPROVEMENT (AS DETERMINED BY THE ENGINEER)
- (14) GEOTECHNICAL FABRIC FOR GROUND STABILIZATION (IN UNDERCUT AREAS)
- (15) CONCRETE MEDIAN, TYPE SB 6.J2 (11" GUTTER DEPTH OR BOTTOM MIN 4" BELOW TOP OF EX PCC BASE COURSE)
- (16) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 1 1/2"
- (17) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (18) CONCRETE CURB, TYPE B
- (19) HOT-MIX ASPHALT BASE COURSE - 5"

• AGGREGATE SUBGRADE IMPROVEMENT (ASI) HAS BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSUITABLE OR UNSTABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH ASI WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.03 AND THE UNDERCUT GUIDELINES IN THE IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE MATERIAL IS ENCOUNTERED, THE SOIL SHALL BE REMOVED AND REPLACED WITH ASI OR EMBANKMENT AS DETERMINED BY THE ENGINEER. IF UNSTABLE AND/OR UNSUITABLE MATERIAL IS NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE THE CONTRACTOR. A QUANTITY OF REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL SHALL ALSO BE DEDUCTED WITH NO ADDITIONAL COMPENSATION DUE THE CONTRACTOR.

**STRUCTURAL DESIGN DATA**

STREET	STRUCTURAL DESIGN TRAFFIC		STREET CLASS	TRAFFIC FACTOR	SSR	TEMP	STRAIN	AC	E <sub>ac</sub>	REQ'D HMA THICKNESS	MECHANISTIC PAVEMENT DESIGN
	PV	SU/MU									
WAUKEGAN ROAD (IL ROUTE 48)	26,834	669 352	I	3.56	POOR	73.8°F	83	PG70-22	730	9.75 IN	1-3/4" POLYMERIZED HMA SURFACE COURSE, MIX "F", N90 3/4" POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL 4.75, N50 7-1/4" HOT-MIX ASPHALT BASE COURSE 12" AGGREGATE SUBGRADE IMPROVEMENT
CHESTNUT AVENUE	13,147	286 122	II	0.75	POOR	73.8°F	130	PG64-22	730	7.50 IN	1-1/2" HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 3/4" POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL 4.75, N50 7" HOT-MIX ASPHALT BASE COURSE 12" AGGREGATE SUBGRADE IMPROVEMENT
JEFFERSON AVENUE	440	45 15	IV	0.50	POOR	73.8°F	147	PG64-22	730	7.00 IN	1-1/2" HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 3/4" POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL 4.75, N50 5" HOT-MIX ASPHALT BASE COURSE 3" AGGREGATE BASE COURSE, TYPE B

2012 BY: BAXTER & WOODMAN, INC. 11/15/12  
 LICENSE NO. 0184-0028 - EXP. 06/30/15  
 10/27/2012 2:59:19 PM  
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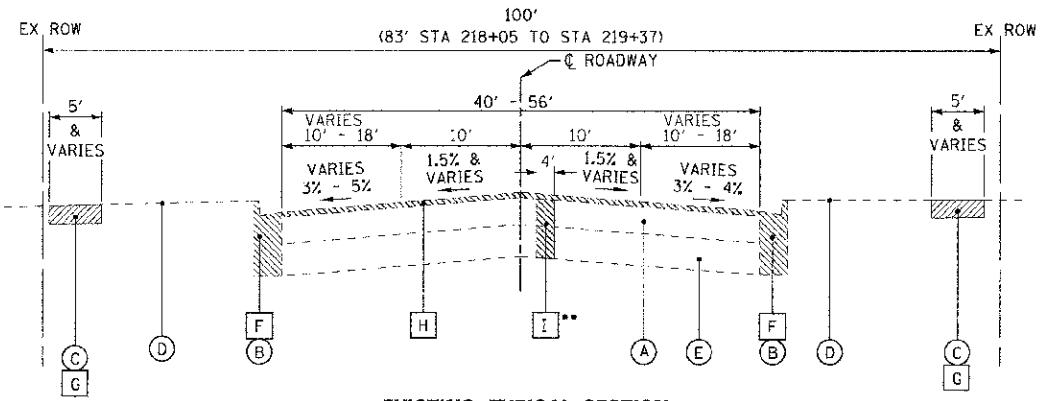
DESIGNED - DS-H	REVISED - 10-12-12 PER IDOT
DRAWN - MAC	REVISED -
CHECKED - T-H	REVISED -
DATE - 9/23/12	FILE 110025-12 TYP.dwg

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

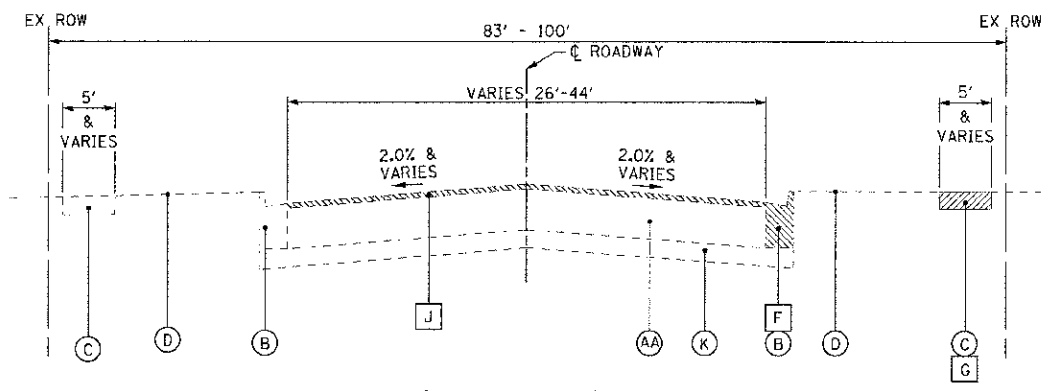
**TYPICAL SECTIONS AND STRUCTURAL DESIGN DATA**

SCALE: NONE STA. TO STA.

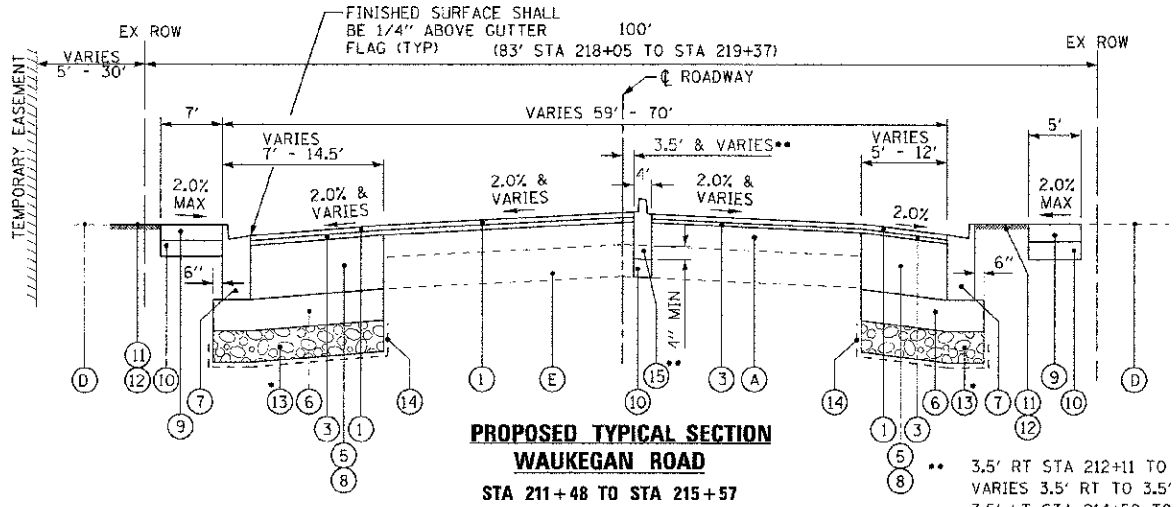
F.A.P./F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS NO.
0348/1352	05-00160-00-CH	COCK	109   12
C-91-070-06		CONTRACT NO. 63756	
FED. ROAD DIST. NO. 1 [ILLINOIS]		FED. AID PROJECT F-0348(35)	



**EXISTING TYPICAL SECTION  
WAUKEGAN ROAD**  
STA 211+48 TO STA 215+57

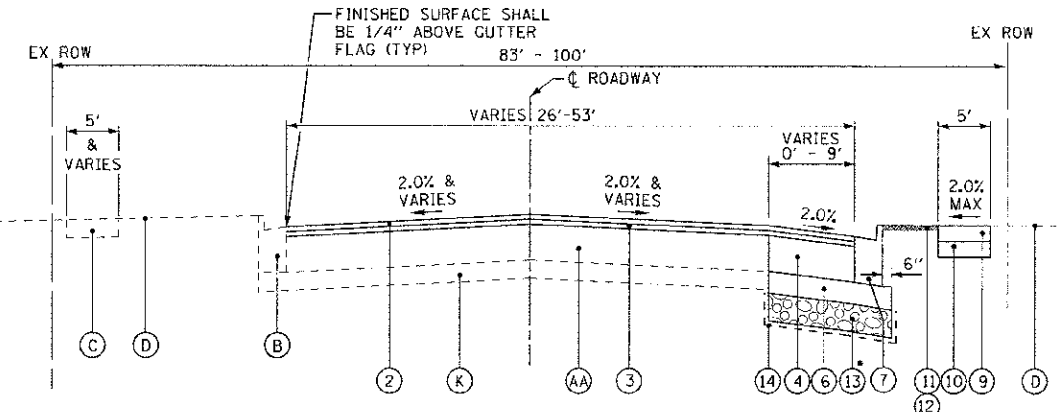


**EXISTING TYPICAL SECTION  
CHESTNUT AVENUE**  
STA 299+13 TO STA 302+43  
STA 303+81 TO STA 306+00



**PROPOSED TYPICAL SECTION  
WAUKEGAN ROAD**  
STA 211+48 TO STA 215+57

• SEE SHEET 12



**PROPOSED TYPICAL SECTION  
CHESTNUT AVENUE**  
STA 299+13 TO STA 302+43  
STA 303+81 TO STA 306+00

**EXISTING LEGEND**

- (A) EXISTING HOT-MIX ASPHALT BINDER & SURFACE COURSES, - 7"±
- (AA) EXISTING HOT-MIX ASPHALT BASE, BINDER & SURFACE COURSES, - 10"±
- (B) EXISTING CURB AND GUTTER
- (C) EXISTING CONCRETE SIDEWALK
- (D) GROUND SURFACE (12" AVG. TOPSOIL DEPTH)
- (E) EXISTING CONCRETE BASE COURSE - 7 1/2"±
- (F) COMBINATION CURB AND CUTTER REMOVAL
- (G) SIDEWALK REMOVAL (WHERE SHOWN ON PLANS OR AS DETERMINED BY THE ENGINEER)
- (H) HOT-MIX ASPHALT SURFACE REMOVAL - 2 1/2"
- (I) PAVEMENT REMOVAL
- (J) HOT-MIX ASPHALT SURFACE REMOVAL - 2 1/4"
- (K) EXISTING AGGREGATE SUBBASE - 4"±
- ▨ ITEM TO BE REMOVED

**PROPOSED LEGEND**

- (1) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 - 1 3/4"
- (2) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 - 1 1/2"
- (3) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 - 3/4"
- (4) HOT-MIX ASPHALT BASE COURSE, 7"
- (5) HOT-MIX ASPHALT BASE COURSE, 7 1/4" (FOR WIDENING AREAS MORE THAN 2' WIDE)
- (6) AGGREGATE SUBGRADE IMPROVEMENT - 12"
- (7) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6,24
- (8) PORTLAND CEMENT CONCRETE BASE COURSE, 7 1/4" (FOR WIDENING AREAS LESS THAN 2' WIDE)
- (9) PCC SIDEWALK - 5" OR 8" (WHERE SHOWN ON PLANS OR AS DETERMINED BY THE ENGINEER)
- (10) AGGREGATE BASE COURSE, TYPE B - 4"
- (11) TOPSOIL FURNISH AND PLACE - 4"
- (12) SODDING, SALT TOLERANT
- (13) AGGREGATE SUBGRADE IMPROVEMENT (AS DETERMINED BY THE ENGINEER)
- (14) GEOTECHNICAL FABRIC FOR GROUND STABILIZATION (IN UNDERCUT AREAS)
- (15) CONCRETE MEDIAN, TYPE SB 6.12 (11" GUTTER DEPTH OR BOTTOM MIN 4" BELOW TOP OF EX PCC BASE COURSE)
- (16) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 1 1/2"
- (17) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (18) CONCRETE CURB, TYPE B
- (19) HOT-MIX ASPHALT BASE COURSE - 5"

**HOT-MIX ASPHALT MIXTURE REQUIREMENTS**

THE CONTRACTOR SHALL MILL BEFORE PATCHING

MIXTURE TYPE	AIR VOIDS @Ndes
<b>PAVEMENT RESURFACING - WAUKEGAN ROAD</b>	
POLYMERIZED HMA SURFACE COURSE, MIX "F", N90 (IL 9.5 mm)	4% @ 90 Gyr.
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	3.5% @ 50 Gyr.
<b>PAVEMENT RESURFACING - CHESTNUT AVENUE</b>	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5 mm)	4% @ 70 Gyr.
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	3.5% @ 50 Gyr.
<b>PAVEMENT RESURFACING - JEFFERSON AVENUE AND GLENWOOD AVENUE</b>	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm)	4% @ 50 Gyr.
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	3.5% @ 50 Gyr.
<b>PAVEMENT WIDENING - WAUKEGAN ROAD</b>	
POLYMERIZED HMA SURFACE COURSE, MIX "F", N90 (IL 9.5 mm)	4% @ 90 Gyr.
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	3.5% @ 50 Gyr.
HMA BASE COURSE (HMA BINDER IL-19 mm, N70); 7-1/4" (2 LIFTS)	4% @ 90 Gyr.
<b>PAVEMENT WIDENING - CHESTNUT AVENUE</b>	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5 mm)	4% @ 70 Gyr.
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	3.5% @ 50 Gyr.
HMA BASE COURSE (HMA BINDER IL-19 mm, N70); 7" (2 LIFTS)	4% @ 70 Gyr.
<b>PAVEMENT WIDENING - JEFFERSON AVENUE</b>	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm)	4% @ 50 Gyr.
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	3.5% @ 50 Gyr.
HMA BASE COURSE (HMA BINDER IL-19 mm, N50); 5" (2 LIFTS)	4% @ 50 Gyr.
<b>DRIVEWAYS</b>	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm); 2"	4% @ 50 Gyr.
HMA BASE COURSE (HMA BINDER IL-19 mm, N50); CE-8" (2 LIFTS)	4% @ 50 Gyr.
<b>PATCHING</b>	
CLASS D PATCHES (HMA BINDER IL-19 mm)	4% @ 70 Gyr.
<b>TEMPORARY PAVEMENT</b>	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm) <sup>3</sup>	4% @ 50 Gyr.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0mm, N50 <sup>3</sup>	4% @ 50 Gyr.

1. THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LB/50 YD/IN
2. THE "AC TYPE" 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 "PERCENT OF RAP" SEE DISTRICT ONE SPECIAL PROVISIONS.
3. TEMPORARY PAVEMENT SHALL CONSIST OF 2" OF HMA SURFACE OVER 2 LIFTS OF 6" OF HMA BINDER ON WAUKEGAN ROAD AND 2" OF HMA SURFACE OVER 2 1/2" OF HMA BINDER ON ALL OTHER STREETS.
4. THE EAST LEG WILL BE CONSTRUCTED IN ACCORDANCE WITH IDOT DISTRICT 1 DETAIL BD-01.

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 STATE OF ILLINOIS - PROFESSIONAL ENGINEERING FIRM  
 330 N. LAUREL STREET, SUITE 200, CHICAGO, IL 60610  
 TEL: 312.467.1000 FAX: 312.467.1001 WWW.BAXTERANDWOODMAN.COM  
 PROJECT NO. 110025-12-TYP.dwg DATE: 8/23/12

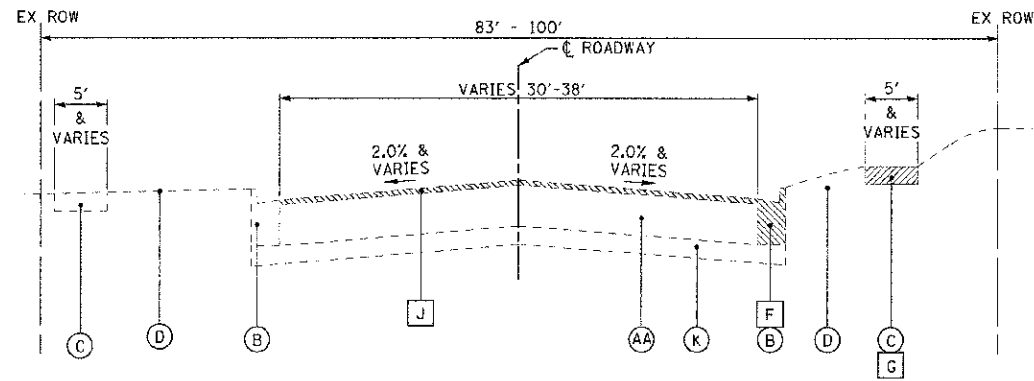


DESIGNED - DSH	REVISED - 10-12-12 PER IDOT
DRAWN - MAC	REVISED -
CHECKED - TLH	REVISED -
DATE - 8/23/12	FILE - 110025-12-TYP.dwg

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

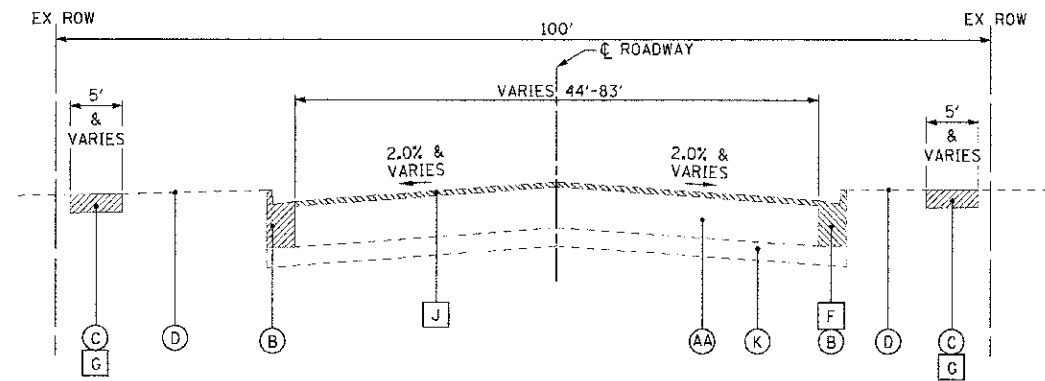
**TYPICAL SECTIONS AND  
HOT-MIX ASPHALT MIXTURE REQUIREMENTS**  
SCALE: NONE STA. TO STA.

F.A.P./F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0348/1352	05-00160-0C-CH	COOK	109	13
C-91-070-06		CONTRACT NO. 63756		
FED. ROAD DIST. NO. 1 (ILLINOIS)		FED. AID PROJECT F-0348(05)		



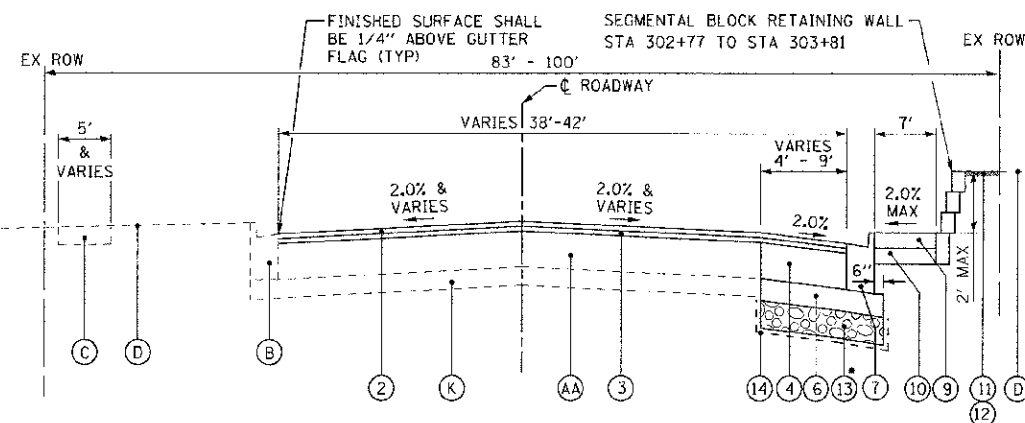
**EXISTING TYPICAL SECTION  
CHESTNUT AVENUE**

STA 302+43 TO STA 303+81



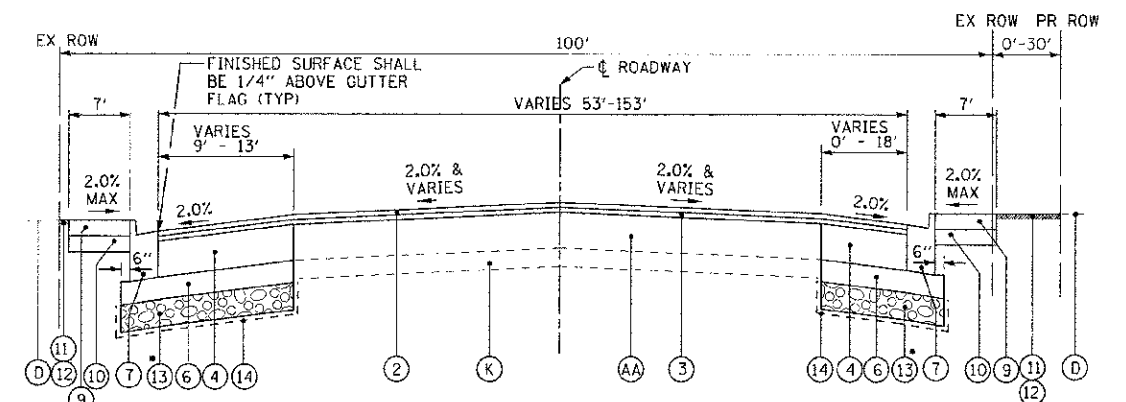
**EXISTING TYPICAL SECTION  
CHESTNUT AVENUE**

STA 306+00 TO STA 306+73



**PROPOSED TYPICAL SECTION  
CHESTNUT AVENUE**

STA 302+43 TO STA 303+81



**PROPOSED TYPICAL SECTION  
CHESTNUT AVENUE**

STA 306+00 TO STA 306+73

• SEE SHEET 12

**EXISTING LEGEND**

- (A) EXISTING HOT-MIX ASPHALT BINDER & SURFACE COURSES, - 7"±
- (AA) EXISTING HOT-MIX ASPHALT BASE, BINDER & SURFACE COURSES, - 10"±
- (B) EXISTING CURB AND GUTTER
- (C) EXISTING CONCRETE SIDEWALK
- (D) GROUND SURFACE (12" AVG. TOPSOIL DEPTH)
- (E) EXISTING CONCRETE BASE COURSE - 7 1/2"±
- (F) COMBINATION CURB AND GUTTER REMOVAL
- (G) SIDEWALK REMOVAL (WHERE SHOWN ON PLANS OR AS DETERMINED BY THE ENGINEER)
- (H) HOT-MIX ASPHALT SURFACE REMOVAL - 2 1/2"
- (I) PAVEMENT REMOVAL
- (J) HOT-MIX ASPHALT SURFACE REMOVAL - 2 1/4"
- (K) EXISTING AGGREGATE SUBBASE - 4"±
- ▨ ITEM TO BE REMOVED

**PROPOSED LEGEND**

- (1) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 - 1 3/4"
- (2) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 - 1 1/2"
- (3) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 - 3/4"
- (4) HOT-MIX ASPHALT BASE COURSE, 7"
- (5) HOT-MIX ASPHALT BASE COURSE, 7 1/4" (FOR WIDENING AREAS MORE THAN 2' WIDE)
- (6) AGGREGATE SUBGRADE IMPROVEMENT - 12"
- (7) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (8) PORTLAND CEMENT CONCRETE BASE COURSE, 7 1/4" (FOR WIDENING AREAS LESS THAN 2' WIDE)
- (9) PCC SIDEWALK - 5" OR 8" (WHERE SHOWN ON PLANS OR AS DETERMINED BY THE ENGINEER)
- (10) AGGREGATE BASE COURSE, TYPE B - 4"
- (11) TOPSOIL FURNISH AND PLACE - 4"
- (12) SODDING, SALT TOLERANT
- (13) AGGREGATE SUBGRADE IMPROVEMENT (AS DETERMINED BY THE ENGINEER) •
- (14) GEOTECHNICAL FABRIC FOR GROUND STABILIZATION (IN UNDERCUT AREAS)
- (15) CONCRETE MEDIAN, TYPE SB 6.12 (11" GUTTER DEPTH OR BOTTOM MIN 4" BELOW TOP OF EX PCC BASE COURSE)
- (16) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 1 1/2"
- (17) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (18) CONCRETE CURB, TYPE B
- (19) HOT-MIX ASPHALT BASE COURSE - 5"

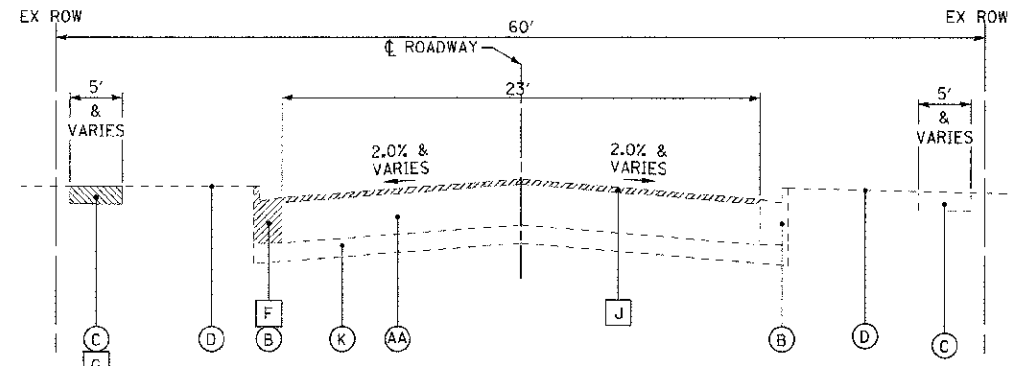
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 11/21/12 10:28 AM



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CHECKED - TLH	REVISED
DATE - 8/23/12	FILE - 110025-12-TYP.sht

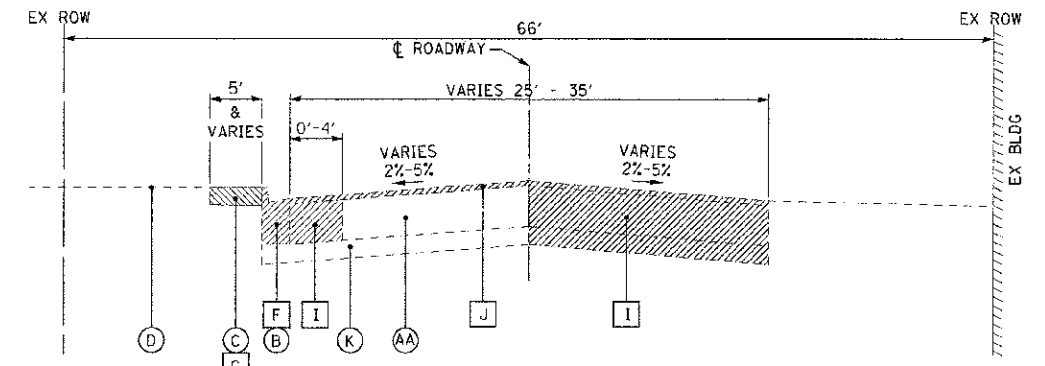
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>TYPICAL SECTIONS</b>		F.A.P./F.A.U. RTE. 0348/1352	SECTION 05-00160-00-CH	COUNTY COOK	TOTAL SHEETS 109	SHEET NO. 14
SCALE: NONE		C-91-070-06		CONTRACT NO. 63756		
STA. TO STA.		FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT F-0348(35)		



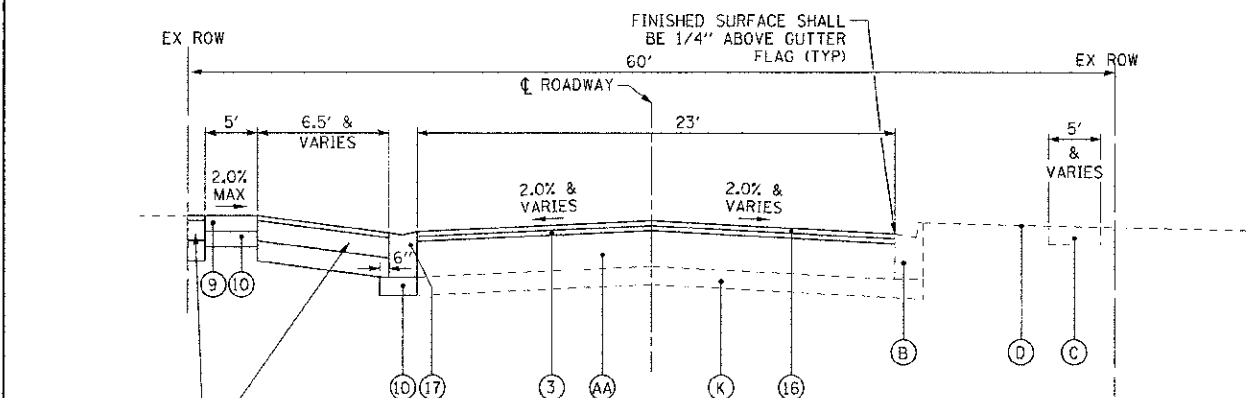
**EXISTING TYPICAL SECTION  
GLENWOOD AVENUE**

STA 10+53 TO STA 11+40



**EXISTING TYPICAL SECTION  
JEFFERSON AVENUE**

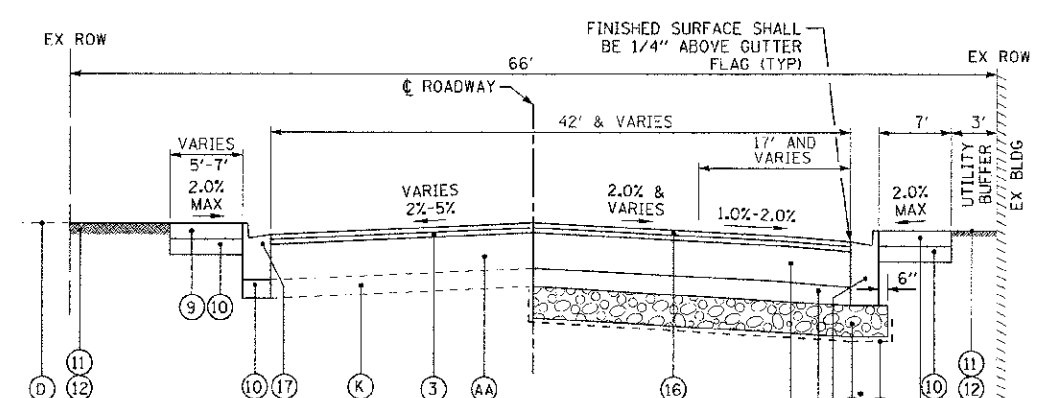
STA 16+37 TO STA 19+41.5



**PROPOSED TYPICAL SECTION  
GLENWOOD AVENUE**

STA 10+53 TO STA 11+40

SEE SHEET 12



**PROPOSED TYPICAL SECTION  
JEFFERSON AVENUE**

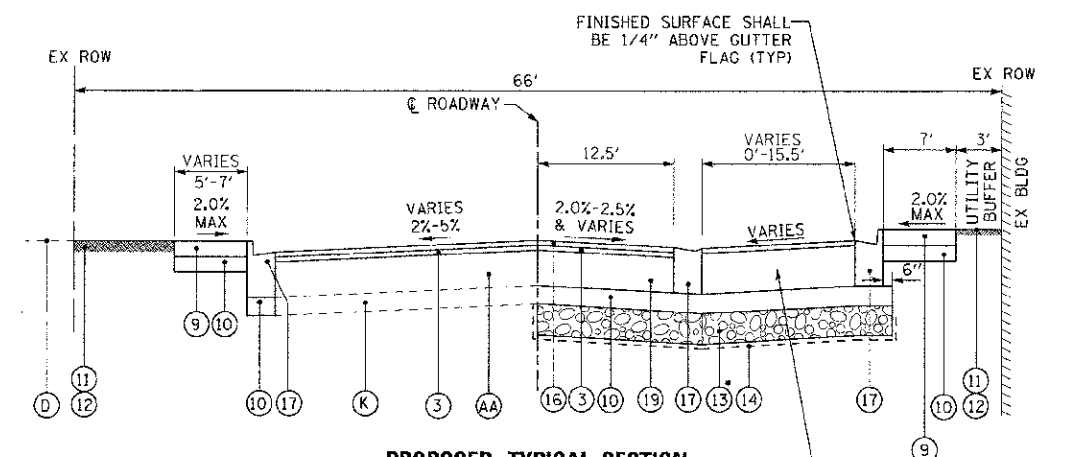
STA 18+43 TO STA 19+41.5

**EXISTING LEGEND**

- (A) EXISTING HOT-MIX ASPHALT BINDER & SURFACE COURSES, - 7"±
- (AA) EXISTING HOT-MIX ASPHALT BASE, BINDER & SURFACE COURSES, - 10"±
- (B) EXISTING CURB AND GUTTER
- (C) EXISTING CONCRETE SIDEWALK
- (D) GROUND SURFACE (12" AVG. TOPSOIL DEPTH)
- (E) EXISTING CONCRETE BASE COURSE - 7 1/2"±
- (F) COMBINATION CURB AND GUTTER REMOVAL
- (G) SIDEWALK REMOVAL (WHERE SHOWN ON PLANS OR AS DETERMINED BY THE ENGINEER)
- (H) HOT-MIX ASPHALT SURFACE REMOVAL - 2 1/2"
- (I) PAVEMENT REMOVAL
- (J) HOT-MIX ASPHALT SURFACE REMOVAL - 2 1/4"
- (K) EXISTING AGGREGATE SUBBASE - 4"±
- (Hatched) ITEM TO BE REMOVED

**PROPOSED LEGEND**

- (1) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 - 1 3/4"
- (2) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 - 1 1/2"
- (3) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 - 3/4"
- (4) HOT-MIX ASPHALT BASE COURSE, 7"
- (5) HOT-MIX ASPHALT BASE COURSE, 7 1/4" (FOR WIDENING AREAS MORE THAN 2' WIDE)
- (6) AGGREGATE SUBGRADE IMPROVEMENT - 12"
- (7) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (8) PORTLAND CEMENT CONCRETE BASE COURSE, 7 1/4" (FOR WIDENING AREAS LESS THAN 2' WIDE)
- (9) PCC SIDEWALK - 5" OR 8" (WHERE SHOWN ON PLANS OR AS DETERMINED BY THE ENGINEER)
- (10) AGGREGATE BASE COURSE, TYPE B - 4"
- (11) TOPSOIL FURNISH AND PLACE - 4"
- (12) SODDING, SALT TOLERANT
- (13) AGGREGATE SUBGRADE IMPROVEMENT (AS DETERMINED BY THE ENGINEER)
- (14) GEOTECHNICAL FABRIC FOR GROUND STABILIZATION (IN UNDERCUT AREAS)
- (15) CONCRETE MEDIAN, TYPE SB 6.12 (11" GUTTER DEPTH OR BOTTOM MIN 4" BELOW TOP OF EX PCC BASE COURSE)
- (16) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 1 1/2"
- (17) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (18) CONCRETE CURB, TYPE B
- (19) HOT-MIX ASPHALT BASE COURSE - 5"



**PROPOSED TYPICAL SECTION  
JEFFERSON AVENUE**

STA 16+37 TO STA 18+43

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 1100 EAST ILLINOIS AVENUE, SUITE 200  
 CHICAGO, ILLINOIS 60611-1000  
 DATE: 8/23/12



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CHECKED - TH	REVISED -
DATE - 8/23/12	FILE - 110025-2-TYP.shx

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS**

SCALE: NONE STA. TO STA.

F.A.P./F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0348/1352	05-00160-00-CH	COOK	109	15
C-91-070-06		CONTRACT NO. 63756		
FED. ROAD DIST. NO. 1   ILLINOIS		FED. AID PROJECT F-0348135		

COMMERCIAL ENTRANCE SCHEDULE

STATION	EXISTING APRON MAT'L	44000200 DRIVEWAY PAVEMENT REMOVAL (SY)	44000500 COMB C&G REMOVAL (FT)	44000300 CURB REMOVAL (FT)	PROPOSED APRON MAT'L	PROPOSED APRON AREA (SY)	PROPOSED DRIVEWAY AREA BEHIND SDWLK (SY)	TOTAL DRIVEWAY AREA (SY)	40603335 HMA SURFACE CRSE, MX "D" N50 (TON)	35501316 HMA BASE COURSE 8" (SY)	42300400 PCC DRIVEWAY PAVEMENT 8" (SY)	35101600 AGG. BASE CRSE TY B, 4" (SY)	60600605 CONC CURB TYPE B (FT)	60603800 COMB CONC C&G, TYPE B-6.12 (FT)	X4022000 TEMP. ACCESS (CE) (EACH)	NOTES
<b>WAUKEGAN ROAD</b>																
203+10 LT	PCC	76	-	-	PCC	68	0	68	-	-	68	79	0	46	1	
203+47 LT	HMA	42	-	-	HMA	46	0	46	5.3	46	-	55	0	36	1	
204+46 LT	HMA	35	-	-	-	-	-	-	-	-	-	-	-	-	-	NOT TO BE REPLACED
205+37 LT	HMA	67	-	-	HMA	28	18	46	5.3	46	-	52	0	22	1	
206+14 RT	PCC	69	-	-	PCC/HMA	22	18	40	2.1	18	22	60	96	36	1	PCC IN FRONT OF SIDEWALK - HMA BEHIND SIDEWALK
207+09 RT	PCC/HMA	163	-	-	PCC/HMA	10	13	23	1.5	13	10	39	59	38	1	PCC IN FRONT OF SIDEWALK - HMA BEHIND SIDEWALK REMOVAL INCLUDES REMOVING HMA ALONG FRONT OF WALK STA 205+72 TO STA 207+10 RT
207+48 LT	PCC	68	-	-	PCC	52	0	52	-	-	52	61	0	36	1	
207+64 RT	HMA	137	-	-	HMA	21	25	46	5.3	46	-	55	0	38	1	
208+02 LT	HMA	36	-	-	HMA	42	0	42	4.8	42	-	51	0	35	1	
208+81 LT	HMA	39	-	-	HMA	43	0	43	4.9	43	-	52	0	36	1	
209+35 RT	HMA	83	-	-	HMA	32	3	35	4.0	35	-	44	0	38	1	
209+48 LT	HMA	40	-	-	-	-	-	-	-	-	-	-	-	-	-	NOT TO BE REPLACED
210+05 RT	HMA	134	55	-	HMA	23	177	200	23.0	200	-	232	80	105	1	INCLUDES DRIVEWAY PAVEMENT IN FRONT OF TACO BELL
210+41 LT	HMA	65	-	52	HMA	28	16	44	5.1	44	-	61	0	72	1	
210+66 RT	HMA	79	-	60	-	-	-	-	-	-	-	-	-	-	-	NOT TO BE REPLACED
212+61 LT	PCC	54	-	62	-	-	12	12	1.4	0	-	23	0	46	-	NOT TO BE REPLACED
213+62 LT	HMA	499	-	39	HMA	0	247	247	28.4	247	-	269	102	39	1	INCLUDES PARKING AREA AT BUILDING #1810-1818
213+87 RT	HMA	93	-	74	HMA	38	36	74	8.5	74	-	101	0	114	2	172 SF OF CONCRETE MEDIAN SURFACE, 4 INCH
214+92 LT	HMA	86	-	116	HMA	18	57	75	8.6	75	-	96	0	89	1	
215+56 LT	HMA	346	-	180	HMA	39	230	269	30.9	269	-	307	33	143	1	
216+10 RT	HMA	100	-	24	-	-	-	-	-	-	-	-	-	-	-	NOT TO BE REPLACED
216+34 LT	PCC/HMA	54	-	50	PCC/HMA	37	3	40	0.3	3	37	49	0	36	1	PCC IN FRONT OF SIDEWALK - HMA BEHIND SIDEWALK
216+76 RT	HMA	117	-	30	-	-	-	-	-	-	-	-	-	-	-	NOT TO BE REPLACED
217+23 RT	HMA	65	-	56	HMA	42	0	42	4.8	42	-	50	0	34	1	
218+07 RT	HMA	70	-	54	HMA	46	2	48	5.5	48	-	57	0	37	1	
218+65 RT	HMA	67	-	51	HMA	54	0	54	6.2	54	-	64	0	41	1	
219+71 RT	HMA	65	-	51	HMA	62	0	62	7.1	62	-	73	0	47	1	
220+41 LT	PCC	13	-	-	PCC	13	0	13	-	-	13	19	0	23	1	ONLY A PORTION REMOVED AND REPLACED
220+41 RT	HMA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	MAINTAIN EXISTING DRIVEWAY
<b>SUBTOTAL</b>		<b>2762</b>	<b>55</b>	<b>899</b>					<b>164</b>	<b>1407</b>	<b>202</b>	<b>1949</b>	<b>350</b>	<b>1187</b>	<b>23</b>	
<b>CHESTNUT AVENUE</b>																
300+66 RT	PCC	48	10	13	PCC	24	18	42	-	-	42	49	0	30	1	
300+96 RT	PCC	43	10	13	PCC	24	10	34	-	-	34	41	0	27	1	
302+11 RT	PCC/HMA	131	-	45	PCC/HMA	12	115	127	13.2	115	12	145	0	77	1	PCC IN FRONT OF SIDEWALK - HMA BEHIND SIDEWALK
302+57 RT	PCC/HMA	131	-	46	PCC/HMA	15	150	165	17.3	150	15	184	0	82	1	PCC UP TO ROW LINE - HMA BEHIND ROW LINE
304+07 RT	PCC/HMA	43	-	36	PCC/HMA	19	10	29	1.2	10	19	36	0	28	1	PCC IN FRONT OF SIDEWALK - HMA BEHIND SIDEWALK
304+08 LT	HMA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	MAINTAIN EXISTING DRIVEWAY
304+60 LT	HMA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	MAINTAIN EXISTING DRIVEWAY
304+85 RT	PCC	30	-	-	PCC	34	0	34	-	-	34	41	0	26	1	
305+05 LT	PCC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	MAINTAIN EXISTING DRIVEWAY
305+39 RT	HMA	66	-	51	HMA	23	34	57	6.6	57	-	66	0	35	1	
<b>SUBTOTAL</b>		<b>492</b>	<b>20</b>	<b>204</b>					<b>39</b>	<b>332</b>	<b>156</b>	<b>562</b>	<b>0</b>	<b>305</b>	<b>7</b>	
<b>GLENWOOD AVENUE</b>																
10+79 RT	PCC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	MAINTAIN EXISTING DRIVEWAY
11+13 LT	-	-	-	-	PCC/HMA	33	42	75	4.8	42	33	85	0	43	1	NEW ENTRANCE - PCC IN FRONT OF SIDEWALK - HMA BEHIND
<b>SUBTOTAL</b>		<b>0</b>	<b>0</b>	<b>0</b>					<b>5</b>	<b>42</b>	<b>33</b>	<b>85</b>	<b>0</b>	<b>43</b>	<b>1</b>	
<b>JEFFERSON AVENUE</b>																
16+82 LT	HMA	36	20	10	HMA	24	10	34	3.9	34	-	39	37	0	1	
16+92 RT	HMA	111	-	33	HMA	38	14	52	6.0	52	-	59	53	0	1	
17+37 RT	HMA	490	-	67	HMA	37	16	53	6.1	53	-	62	70	0	1	INCLUDES REMOVAL OF PARKING AREA STA 17+60 TO 19+47 RT
18+67 LT	HMA	17	-	15	HMA	0	11	11	1.3	11	-	15	28	0	1	
19+31 LT	HMA	46	-	62	HMA	0	18	18	2.1	18	-	30	14	43	1	
<b>SUBTOTAL</b>		<b>700</b>	<b>20</b>	<b>187</b>					<b>20</b>	<b>168</b>	<b>0</b>	<b>205</b>	<b>202</b>	<b>43</b>	<b>5</b>	
<b>TOTALS</b>		<b>3954</b>	<b>95</b>	<b>1290</b>					<b>228</b>	<b>1949</b>	<b>391</b>	<b>2801</b>	<b>552</b>	<b>1576</b>	<b>36</b>	

DESIGNER: R. BOYD BY HANSEN & WOODMAN, INC.  
 STATE OF ILLINOIS PROFESSIONAL ENGINEER  
 LICENSE NO. 124-0000000-0000-0000  
 DATE: 8/23/12



DESIGNED - DSH	REVISED - 10-12-12 PER VILLAGE
DRAWN - MAC	REVISED - 10-29-12 PER VILLAGE
CHECKED - TLH	REVISED -
DATE - 8/23/12	FILE - 110025-12-SCHEDULE.sht

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: \_\_\_\_\_ STA. \_\_\_\_\_ TO STA. \_\_\_\_\_

F.A.P./F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0348/1352	05-00160-00-C4	COOK	109	16
C-91-070-06		CONTRACT NO. 63756		
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT F-0348/351		



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 PROJECT: 110025-12 SCHEDULE OF QUANTITIES  
 DRAWING: 110025-12 SCHEDULE OF QUANTITIES  
 DATE: 8/23/12  
 FILE: 110025-12-SCHEDULE.sht



DESIGNED - DSH	REVISED - 10-12-12 PER VILLAGE
DRAWN - MAC	REVISED -
CHECKED - TLH	REVISED -
DATE - 8/23/12	FILE - 110025-12-SCHEDULE.sht

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

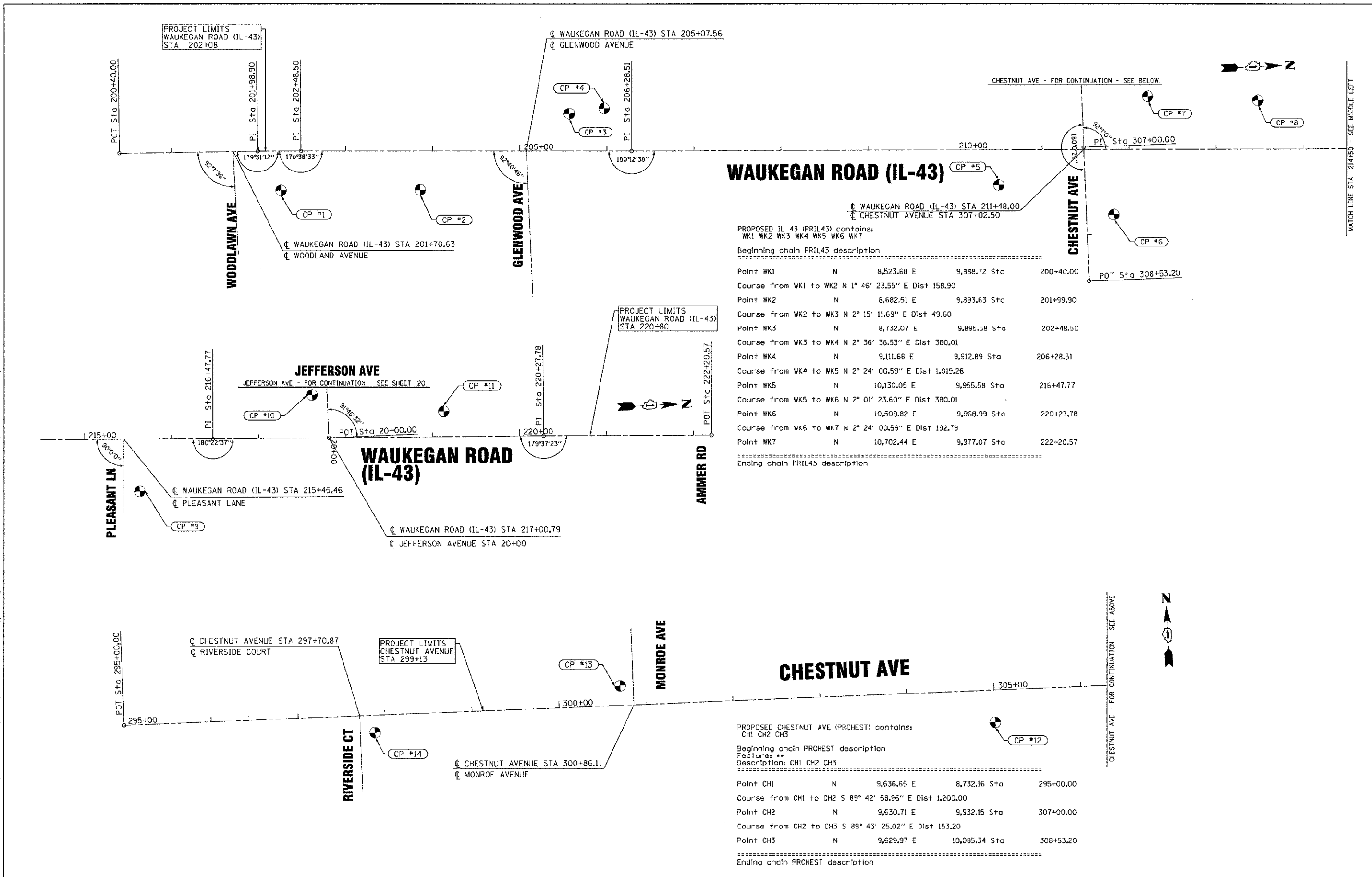
**SCHEDULE OF QUANTITIES**

F.A.P./F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0348/1352	05-00160-00-C4	COOK	109	17
C-91-070-06		CONTRACT NO. 63756		
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT F-0348(35)		

STATION BEGIN	STATION END	UNDERCUT AND AGG. SUBGRADE IMPROVEMENT (CU YD)	TOPSOIL EXCAVATION (CU YD)	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (CU YD)	EARTH EXCAVATION (CU YD)	STORM SEWER & WATER MAIN EXCAVATION (CU YD)	TOTAL SUITABLE EXCAVATION (CU YD)	EXCAVATION TO BE USED IN EMBANKMENT (ADJUST FOR 20% SHRINKAGE) (CU YD)	EMBANKMENT (CU YD)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CU YD)
<b>WAUKEGAN ROAD (IL 43)</b>										
202+48	202+50	0.3	0.4	0.7	0.5	4.0	4.5	3.7	0.3	3.4
202+50	203+00	10.6	16.9	27.4	21.5	100.0	121.5	97.2	14.2	83.0
203+00	203+50	14.3	31.7	46.0	32.8	100.0	132.8	106.3	19.0	87.3
203+50	204+00	18.0	50.3	68.2	33.0	78.0	111.0	88.9	19.1	69.8
204+00	204+50	21.8	51.1	72.8	41.8	56.0	97.8	78.3	17.9	60.4
204+50	205+00	15.3	31.5	48.6	37.3	10.0	47.3	37.9	14.1	23.8
205+00	205+50	19.0	11.3	30.3	51.7	14.0	65.7	52.6	8.9	43.7
205+50	206+00	32.6	18.8	51.4	89.7	0.0	89.7	71.8	6.2	65.6
206+00	206+50	35.0	37.5	72.5	81.4	8.0	69.4	71.6	6.7	62.9
206+50	207+00	33.8	31.8	65.6	68.4	0.0	68.4	54.8	7.5	47.3
207+00	207+50	27.3	13.0	40.4	71.6	0.0	71.6	57.3	3.4	53.9
207+50	208+00	20.9	12.4	33.2	56.4	7.5	63.9	51.2	7.6	43.6
208+00	208+50	18.8	41.5	60.4	37.0	10.0	47.0	37.6	26.7	10.9
208+50	209+00	19.8	40.5	60.4	38.4	0.0	38.4	30.8	27.0	3.8
209+00	209+50	19.8	26.2	45.0	42.5	1.5	44.0	35.3	11.4	23.9
209+50	210+00	14.6	16.1	30.7	82.6	0.0	82.6	66.1	5.8	60.4
210+00	210+50	11.2	32.1	43.2	106.1	7.0	113.1	90.6	10.0	80.6
210+50	211+00	18.5	64.2	82.6	86.4	0.0	86.4	69.2	24.1	45.1
211+00	211+50	16.6	33.4	50.0	70.6	0.0	70.6	56.5	16.0	40.5
211+50	212+00	16.7	43.6	60.4	67.6	56.0	123.6	98.9	10.6	88.3
212+00	212+50	22.0	50.5	72.5	66.5	30.0	96.5	77.2	14.6	62.6
212+50	213+00	18.4	26.0	44.4	49.5	0.0	49.5	38.7	6.9	31.1
213+00	213+50	9.3	33.2	42.4	51.6	0.0	51.6	41.3	12.4	28.9
213+50	214+00	0.0	14.0	14.0	102.3	5.5	107.8	86.3	8.5	77.8
214+00	214+50	0.0	13.8	13.8	124.7	0.0	124.7	99.8	3.7	96.1
214+50	215+00	13.6	39.8	53.5	109.1	3.0	112.4	90.0	6.9	83.1
215+00	215+50	19.1	67.5	86.6	78.9	30.0	108.9	87.1	4.1	83.0
215+50	216+00	17.0	57.0	74.0	56.9	0.0	56.9	45.6	22.3	23.3
216+00	216+50	11.5	53.7	65.2	67.9	4.3	72.2	57.8	37.5	20.3
216+50	217+00	0.0	66.7	66.7	57.7	142.0	199.7	159.8	26.1	133.7
217+00	217+50	0.0	57.4	57.4	55.0	0.0	55.0	44.1	24.0	20.1
217+50	218+00	0.0	53.5	53.5	105.4	8.3	113.7	91.0	14.3	76.8
218+00	218+50	0.0	35.0	35.0	101.4	2.5	103.9	83.1	2.1	81.0
218+50	219+00	0.0	28.1	28.1	40.2	6.7	46.9	37.6	9.7	27.9
219+00	219+50	0.0	28.7	28.7	25.6	0.0	25.6	20.5	14.4	6.1
219+50	220+00	0.0	20.0	20.0	18.3	0.0	18.3	14.7	12.7	2.0
220+00	220+28	0.0	5.1	5.1	7.7	0.0	7.7	6.2	7.4	-1.2
<b>SUBTOTAL</b>		<b>498</b>	<b>1255</b>	<b>1751</b>	<b>2237</b>	<b>685</b>	<b>2921</b>	<b>2339</b>	<b>488</b>	<b>1651</b>
<b>CHESTNUT AVE</b>										
299+73	300+00	2.0	7.5	9.5	5.6	0.0	5.6	4.5	2.4	2.1
300+00	300+50	4.1	13.5	17.5	9.6	0.0	9.6	7.8	9.7	-1.9
300+50	301+00	5.6	6.0	11.7	24.6	0.0	24.6	19.7	7.1	12.6
301+00	301+50	7.7	12.9	20.7	33.4	61.4	94.8	75.9	1.6	74.3
301+50	302+00	9.2	47.1	56.3	87.6	66.6	154.2	123.4	1.6	121.6
302+00	302+50	10.5	34.1	44.6	149.0	56.6	205.6	164.5	0.0	164.5
302+50	303+00	11.1	14.3	25.4	103.3	78.5	181.8	145.5	1.6	143.9
303+00	303+50	10.1	27.1	37.2	52.7	55.6	108.3	86.7	3.6	83.1
303+50	304+00	7.5	12.8	20.3	38.6	55.6	94.2	75.4	2.0	73.4
304+00	304+50	4.6	5.1	9.7	18.2	55.6	73.8	59.1	3.7	55.4
304+50	305+00	3.2	9.8	13.0	11.4	55.6	67.0	53.7	5.5	48.2
305+00	305+50	5.3	4.6	10.0	42.2	55.6	97.8	78.3	1.8	76.5
305+50	306+00	9.5	12.6	22.1	54.2	55.6	109.8	87.9	1.1	86.8
306+00	306+50	25.1	46.5	71.6	114.4	85.0	199.4	159.6	2.8	156.6
306+50	306+73	17.4	30.9	48.3	85.0	55.6	140.6	112.5	1.6	111.0
<b>SUBTOTAL</b>		<b>133</b>	<b>285</b>	<b>418</b>	<b>830</b>	<b>736</b>	<b>1566</b>	<b>1253</b>	<b>47</b>	<b>1209</b>
<b>GLENWOOD AVE</b>										
10+50	11+00	0.0	19.1	19.1	23.4	0.0	23.4	18.8	7.6	11.2
11+00	11+40	0.0	12.1	12.1	18.2	0.0	18.2	14.6	5.9	8.7
<b>SUBTOTAL</b>		<b>0</b>	<b>32</b>	<b>32</b>	<b>42</b>	<b>0</b>	<b>42</b>	<b>34</b>	<b>14</b>	<b>20</b>
<b>JEFFERSON AVE</b>										
16+59	17+00	0.0	8.9	8.9	23.3	16.7	40.0	32.0	6.2	25.8
17+00	17+50	0.0	14.6	14.6	45.1	16.7	61.8	49.5	16.7	32.8
17+50	18+00	0.0	8.9	8.9	46.9	16.7	63.6	51.0	11.9	39.1
18+00	18+50	0.0	10.7	10.7	64.0	30.7	94.7	75.8	4.4	71.4
18+50	19+00	0.0	7.8	7.8	62.8	0.0	62.8	50.3	3.1	47.2
19+00	19+41	0.0	7.6	7.6	46.6	0.0	46.6	37.3	7.5	29.8
<b>SUBTOTAL</b>		<b>0</b>	<b>59</b>	<b>59</b>	<b>289</b>	<b>81</b>	<b>370</b>	<b>296</b>	<b>50</b>	<b>246</b>
<b>EAST LEG</b>										
307+35	307+50	0.0	0.0	0.0	36.4	0.0	36.4	29.2	1.0	28.2
307+50	308+00	0.0	0.0	0.0	115.6	0.0	115.6	92.6	2.4	90.2
308+00	308+15	0.0	0.0	0.0	54.8	0.0	54.8	43.9	0.3	43.6
308+15	308+47	0.0	0.0	0.0	147.6	0.0	147.6	118.3	0.0	118.3
<b>SUBTOTAL</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>355</b>	<b>0</b>	<b>355</b>	<b>264</b>	<b>4</b>	<b>281</b>
<b>TOTALS</b>		<b>629</b>	<b>1631</b>	<b>2260</b>	<b>3753</b>	<b>1504</b>	<b>5256</b>	<b>4208</b>	<b>803</b>	<b>3607</b>

EARTH EXCAVATION 3753 CU YD  
 REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL 2260 CU YD  
 AGGREGATE SUBGRADE IMPROVEMENT (ASI) 629 CU YD  
 EARTHWORK BALANCE 3607 CU YD EXCESS EARTH EXCAVATION

C:\PROJETS\110025-12\ALGN&TIES\110025-12-ALGN&TIES.dwg  
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 PLOT SCALE: 1"=50'  
 PLOT AREA: 24.00 X 36.00 INCHES  
 PLOT BY: JMM  
 PLOT FOR: 110025-12-ALGN&TIES



**WAUKEGAN ROAD (IL-43)**

PROPOSED IL 43 (PRIL43) contains:  
 WK1 WK2 WK3 WK4 WK5 WK6 WK7

Beginning chain PRIL43 description

Point WK1	N	8,523.68 E	9,888.72 Sta	200+40.00
Course from WK1 to WK2 N 1° 46' 23.55" E Dist 158.90				
Point WK2	N	8,682.51 E	9,893.63 Sta	201+99.90
Course from WK2 to WK3 N 2° 15' 11.69" E Dist 49.60				
Point WK3	N	8,732.07 E	9,895.58 Sta	202+48.50
Course from WK3 to WK4 N 2° 36' 38.53" E Dist 380.01				
Point WK4	N	9,111.68 E	9,912.89 Sta	206+28.51
Course from WK4 to WK5 N 2° 24' 00.59" E Dist 1,019.26				
Point WK5	N	10,130.05 E	9,955.58 Sta	216+47.77
Course from WK5 to WK6 N 2° 01' 23.60" E Dist 380.01				
Point WK6	N	10,509.82 E	9,968.99 Sta	220+27.78
Course from WK6 to WK7 N 2° 24' 00.59" E Dist 192.79				
Point WK7	N	10,702.44 E	9,977.07 Sta	222+20.57

Ending chain PRIL43 description

**CHESTNUT AVE**

PROPOSED CHESTNUT AVE (PRCHEST) contains:  
 CH1 CH2 CH3

Beginning chain PRCHEST description  
 Feature: \*\*  
 Description: CH1 CH2 CH3

Point CH1	N	9,636.65 E	8,732.16 Sta	295+00.00
Course from CH1 to CH2 S 89° 42' 58.96" E Dist 1,200.00				
Point CH2	N	9,630.71 E	9,932.15 Sta	307+00.00
Course from CH2 to CH3 S 89° 43' 25.02" E Dist 153.20				
Point CH3	N	9,629.97 E	10,085.34 Sta	308+53.20

Ending chain PRCHEST description



DESIGNED - DSH	REVISED -
DRAWN - MAC	REVISED -
CHECKED - TLH	REVISED -
DATE - 8/23/12	FILE - 110025-12-ALGN&TIES.shp

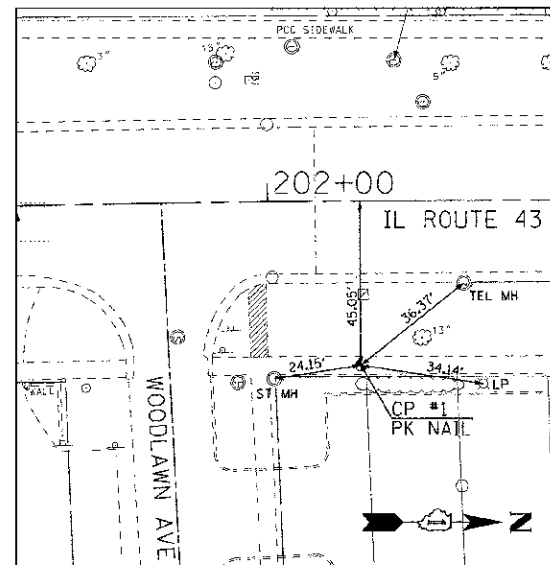
**VILLAGE GLENVIEW, ILLINOIS  
 WAUKEGAN ROAD (IL ROUTE 43) AND CHESTNUT AVENUE  
 INTERSECTION IMPROVEMENTS**

**ALIGNMENT AND TIES**

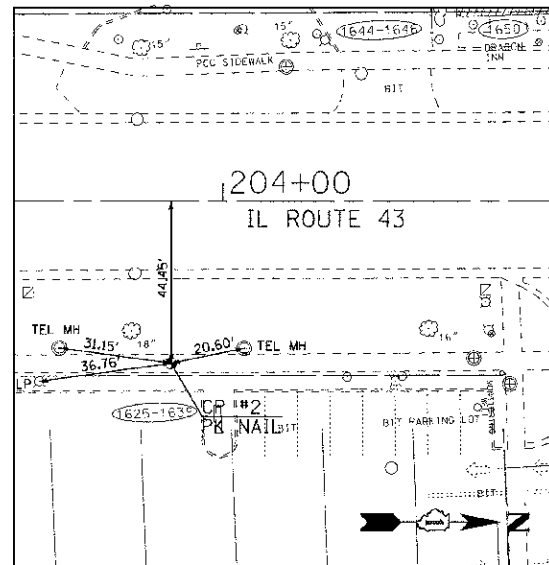
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STA. TO STA.

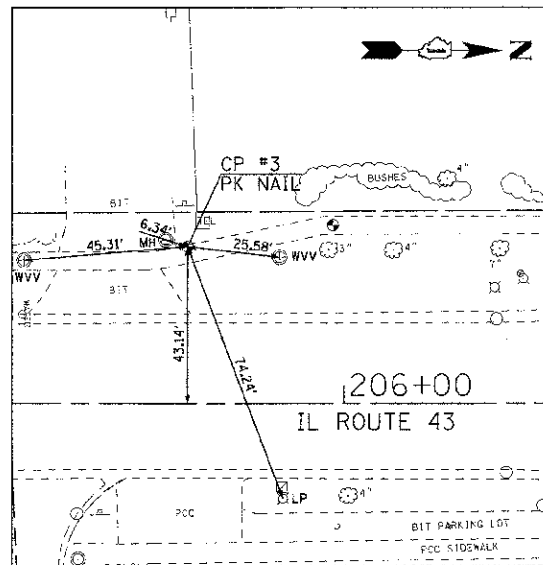
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0348/1352	05-00160-00-CH	COOK	109	18
C-91-070-06			CONTRACT NO. 63756	
FED. ROAD DIST. NO. 1 (ILLINOIS)		FED. AID PROJECT F-0348(06)		



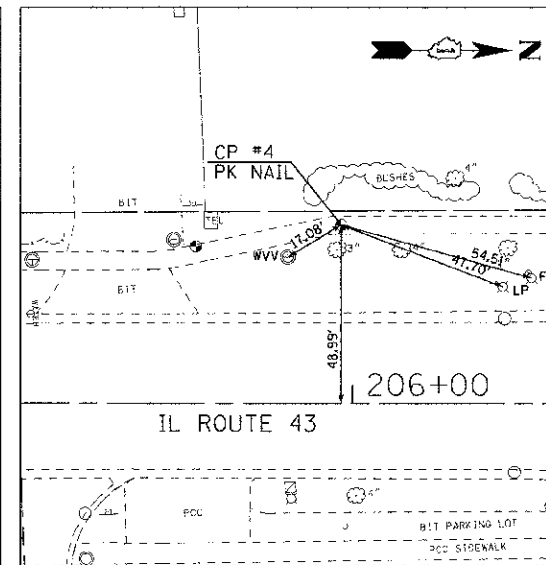
CP #1 STA 202+25.7, 45.05' RT  
EL. 640.05  
N=8707.298515 E=9939.710379



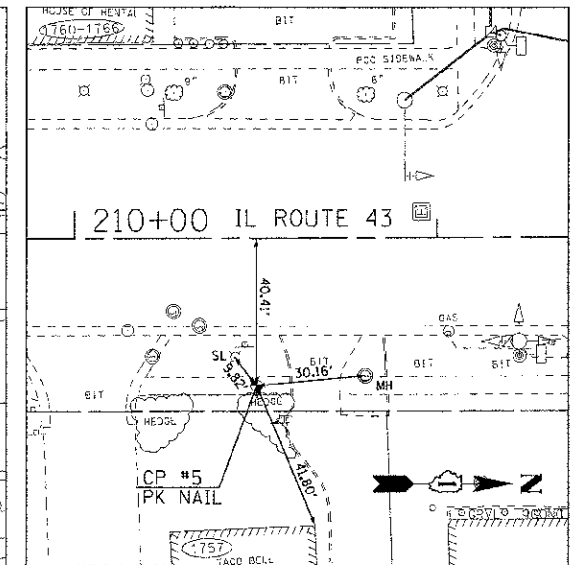
CP #2 STA 203+85.7, 44.45' RT  
EL 640.75  
N=8867.189634 E=9946.260393



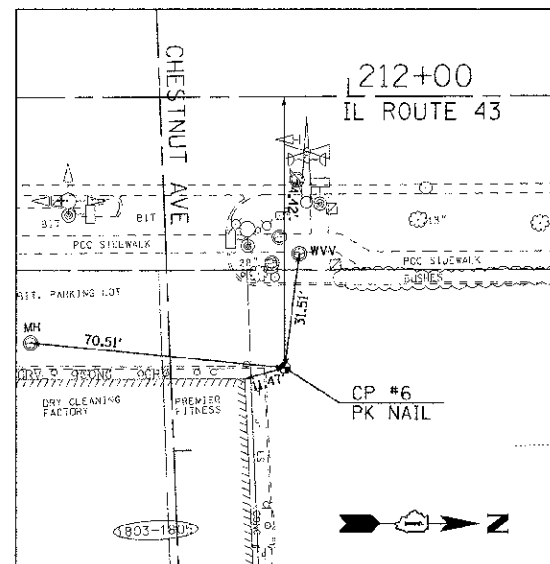
CP #3 STA 205+56.8, 43.14' LT  
EL 639.05  
N=9042.038584 E=9866.553833



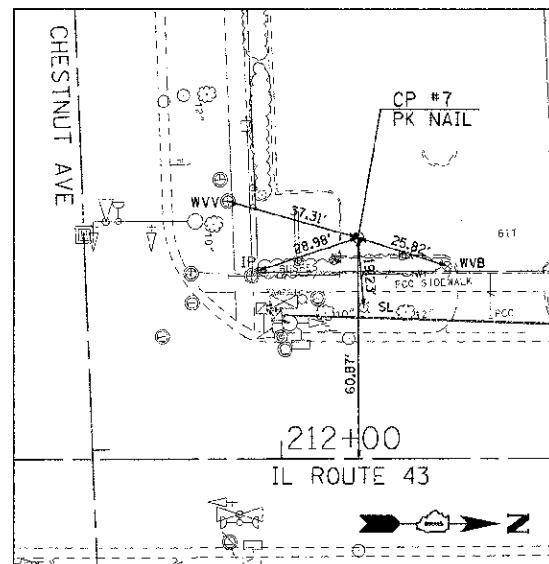
CP #4 STA 205+96.9, 48.99' LT  
EL 639.38  
N=9082.351365 E=9862.535425



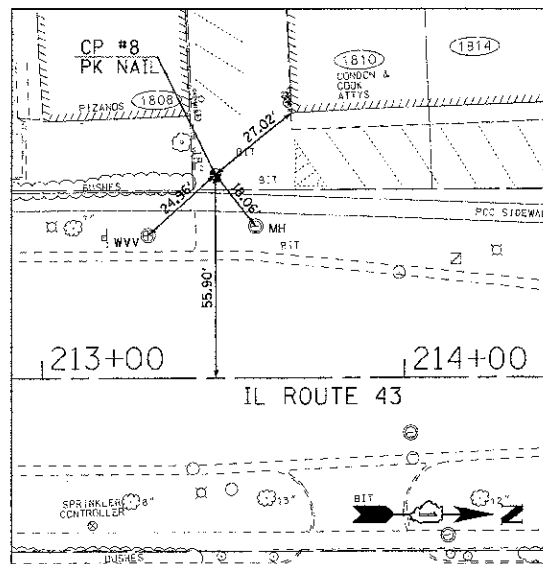
CP #5 STA 210+50.3, 40.41' RT  
EL 642.27  
N=9531.280163 E=9970.942342



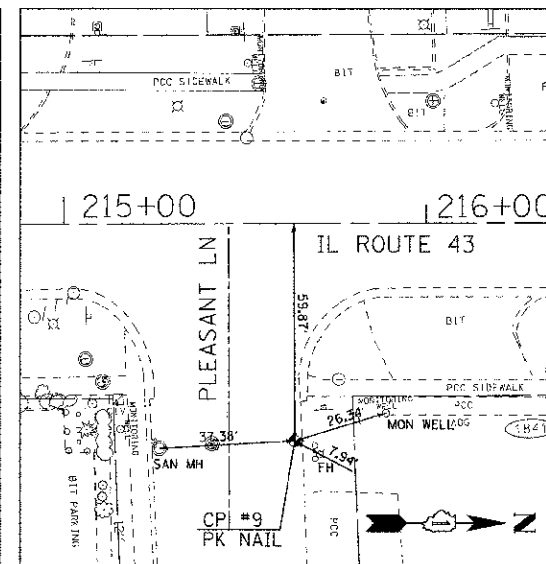
CP #6 STA 211+82.5, 28.40' RT  
EL 642.18  
N=9661.857458 E=10010.455312



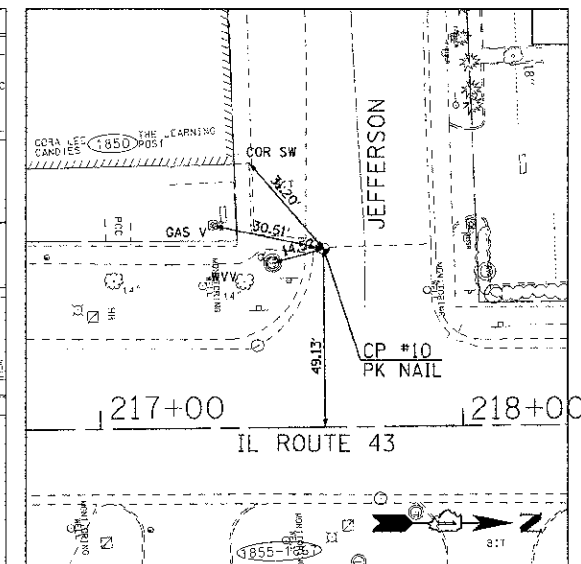
CP #7 STA 212+21.2, 60.87' RT  
EL 641.81  
N=9706.656498 E=9876.926638



CP #8 STA 213+47.8, 55.90' LT  
EL 642.21  
N 8392.744882 E 9838.183909



CP #9 STA 215+63.7, 59.87' RT  
EL 641.79  
N=10043.359488 E=10011.547766



CP #10 STA 217+61.5, 49.13' LT  
EL 641.52  
N=10245.972803 E=9910.189808

CONSULT & PLOT BY: BAXTER & WOODMAN, INC.  
 SCALE: 1" = 40' (AS SHOWN)  
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 SHEET: ALIGNMENT AND TIES (110025-12-ALIGN&TIES.sht)

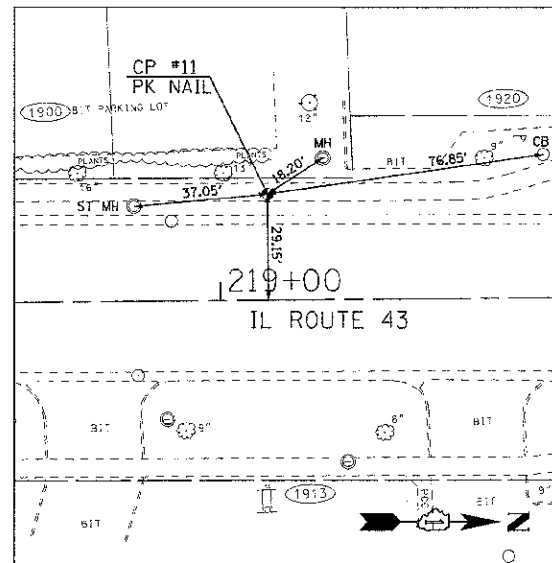
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	DRAWN - MAC	REVISED -
	CHECKED - TLH	REVISED -
	DATE - 8/23/12	FILE - 110025-12-ALIGN&TIES.sht

**VILLAGE GLENVIEW, ILLINOIS**  
**WAUKEGAN ROAD (IL ROUTE 43) AND CHESTNUT AVENUE**  
**INTERSECTION IMPROVEMENTS**

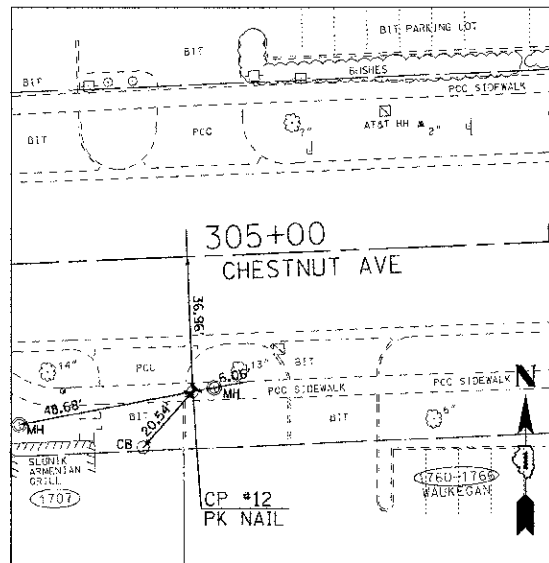
**ALIGNMENT AND TIES**  
 SCALE: NONE      STA.      TO STA.

F.A.P./F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0348/1352	05-00160-00-CH	COOK	109	19
C-91-070-06		CONTRACT NO. 63756		
FED. ROAD DIST. NO. 1 (ILLINOIS)		FED. AID PROJECT F-0348(35)		

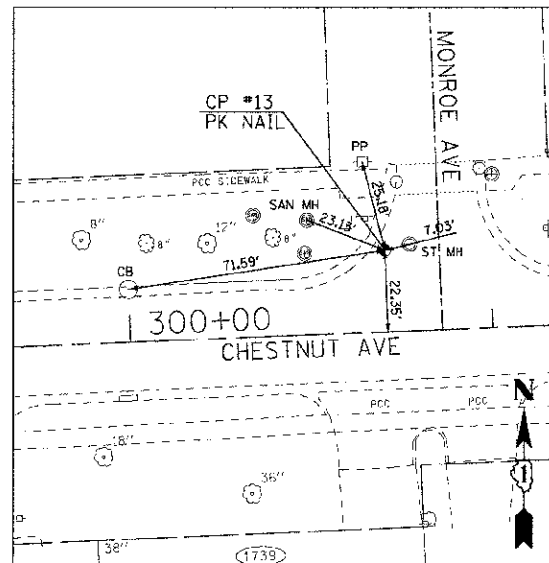
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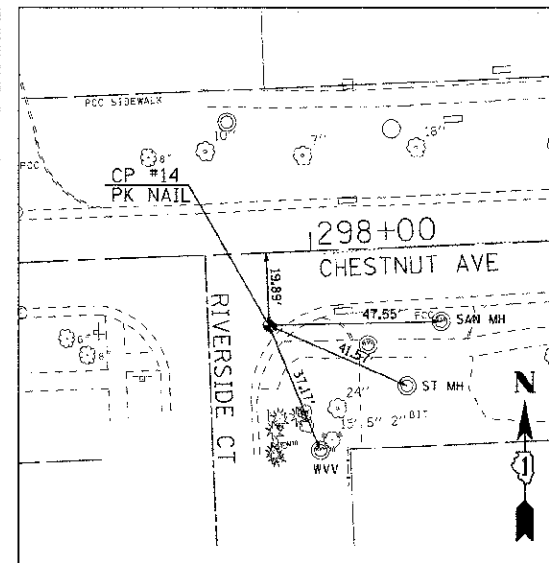
CP #11 STA 219+13.0, 29.15' LT  
 EL 642.55  
 N=10396.392393 E=9935.490371



CP #12 STA 305+01.7, 36.96' RT  
 EL 640.05  
 N=9594.755490 E=9732.095364



CP #13 STA 300+70.3, 22.35' LT  
 EL 634.23  
 N=9656.191606 E=9303.417155



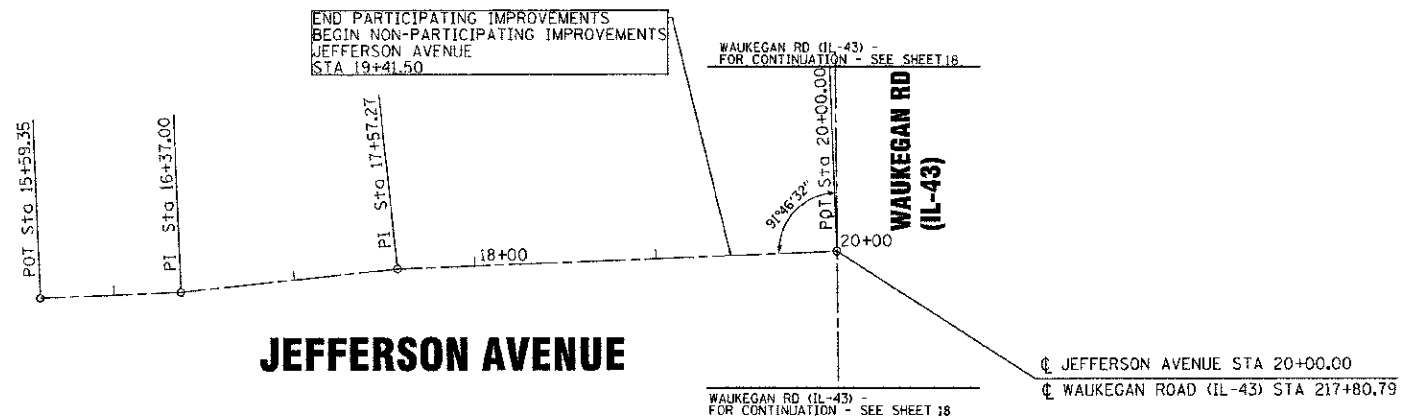
CP #14 STA 297+88.6, 19.89' LT  
 EL 630.50  
 N=9615.347796 E=9019.789110

PROPOSED JEFFERSON AVE (PRJEFF2) contains:  
 JFF1 JFF2 JFF3 JFF4

Beginning chain PRJEFF2 description

Point JFF1	N	10,256.72 E	9,519.86 Sta	15+59.35
Course from JFF1 to JFF2 S 89°51' 00.01" E Dist 77.65				
Point JFF2	N	10,256.52 E	9,597.52 Sta	16+37.00
Course from JFF2 to JFF3 N 86°24' 27.62" E Dist 120.27				
Point JFF3	N	10,264.05 E	9,717.55 Sta	17+57.27
Course from JFF3 to JFF4 S 89°45' 08.34" E Dist 242.73				
Point JFF4	N	10,263.00 E	9,960.28 Sta	20+00.00

Ending chain PRJEFF2 description



**CONTROL POINTS**

CP 1	N=8707.298515	E=9939.710379	640.05
CP 2	N=8867.189634	E=9946.260393	640.75
CP 3	N=9042.038584	E=9866.553833	639.05
CP 4	N=9082.351365	E=9862.535425	639.38
CP 5	N=9531.280163	E=9970.942342	642.27
CP 6	N=9661.857458	E=10010.455312	642.18
CP 7	N=9706.656498	E=9876.926638	641.81
CP 8	N=9832.886418	E=9887.195822	642.21
CP 9	N=10043.359488	E=10011.547766	641.79
CP 10	N=10245.972803	E=9910.189808	641.52
CP 11	N=10396.392393	E=9935.490371	642.55
CP 12	N=9594.755490	E=9732.095364	640.05
CP 13	N=9656.191606	E=9303.417155	634.23
CP 14	N=9615.347796	E=9019.789110	630.50



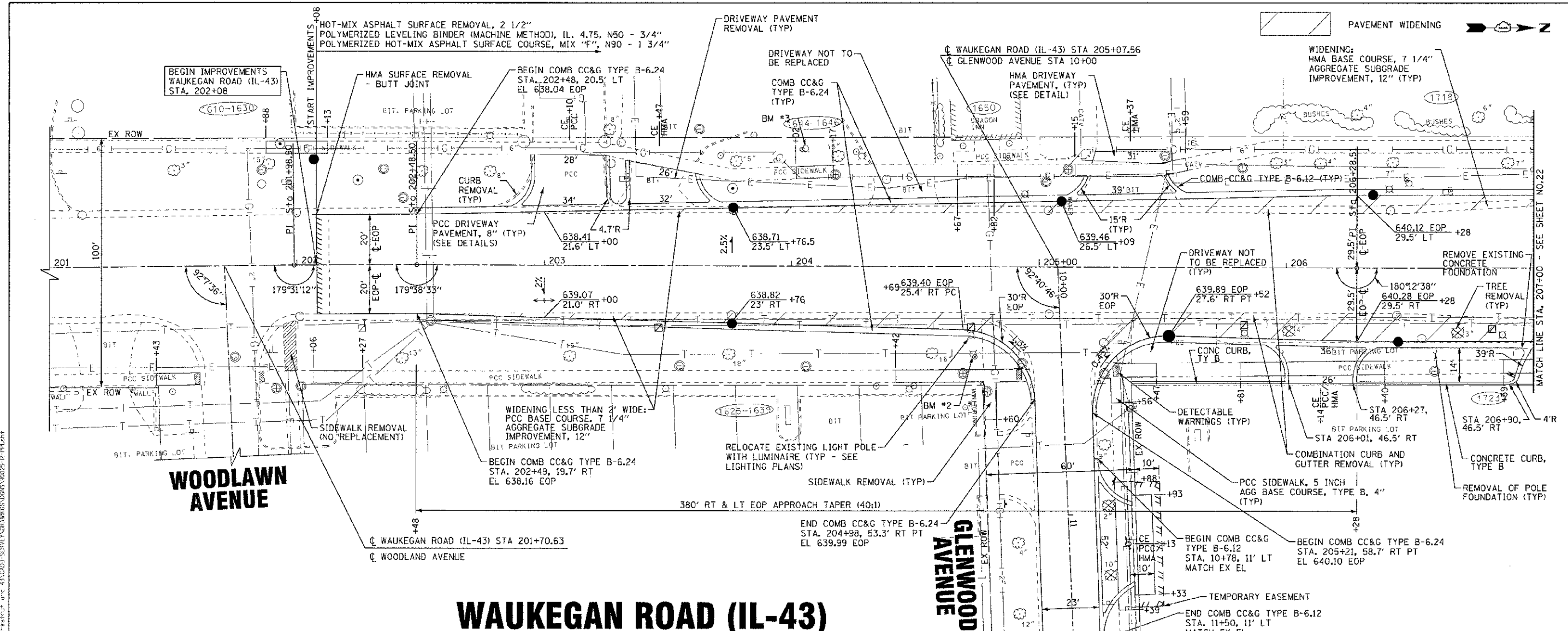
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DRAWN - MAC	REVISED -
CHECKED - TLH	REVISED -
DATE - 8/23/12	FILE - 110025-12-ALIGN&TIES.dwg

**ALIGNMENT AND TIES**

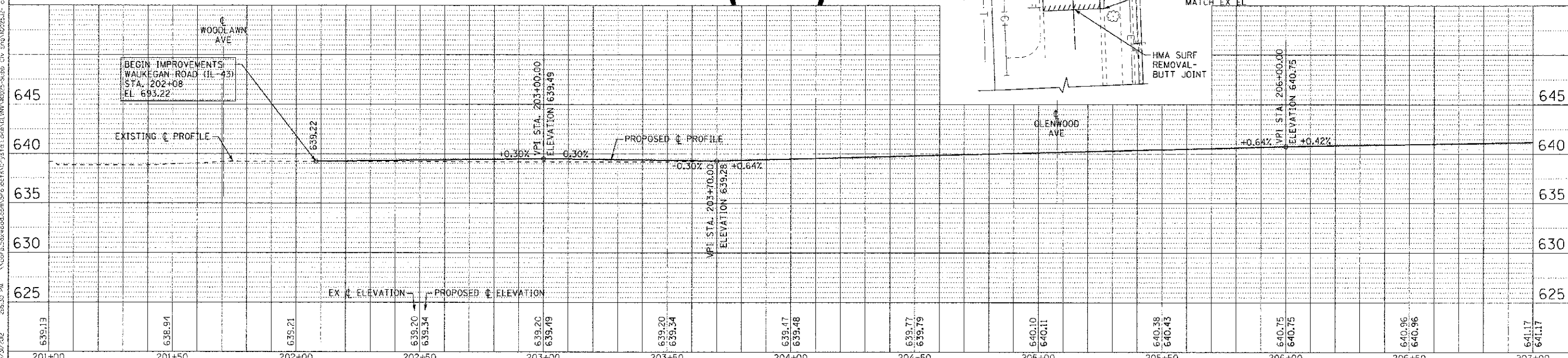
SCALE: NONE

STA. TO STA.

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C-91-070-C6			CONTRACT NO. 63756	
FED. ROAD DIST. NO. 1 ILLINOIS			FED. AID PROJECT F-0348(35)	



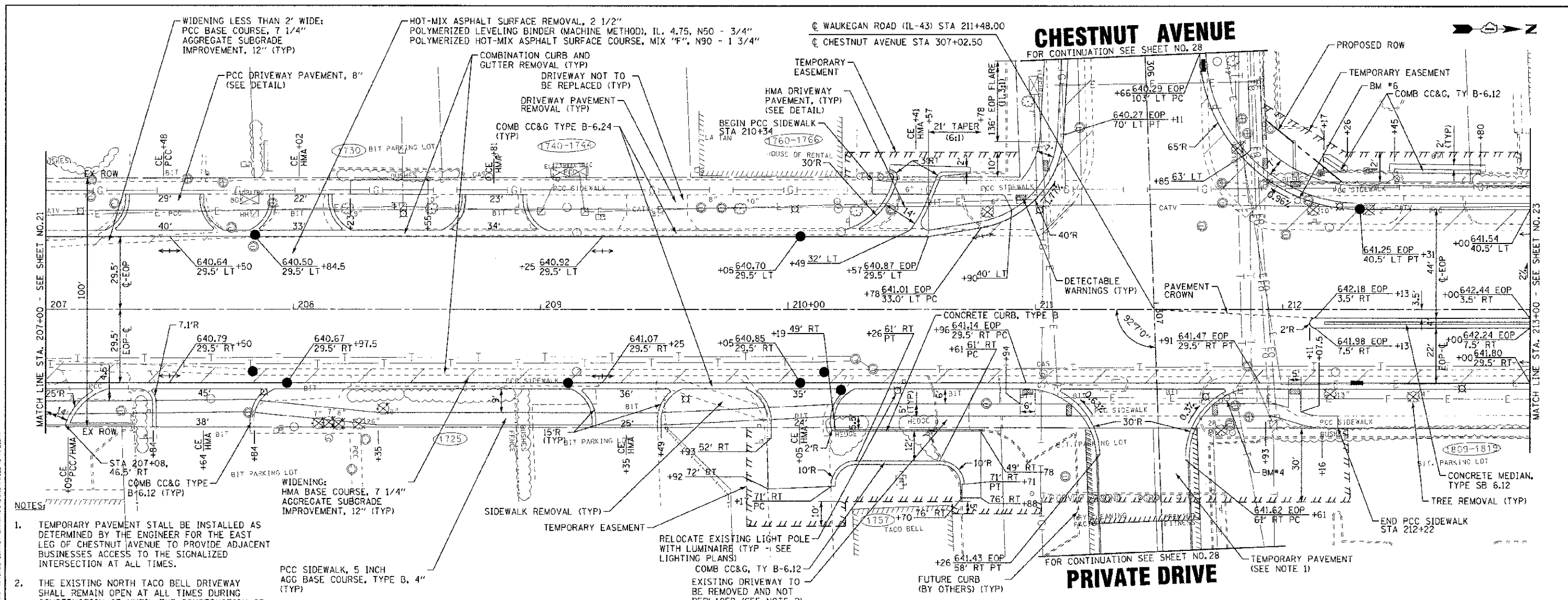
# WAUKEGAN ROAD (IL-43)



639.13	638.91	639.21	639.20 639.34	639.20 639.19	639.20 639.34	639.47 639.48	639.77 639.79	640.10 640.11	640.38 640.43	640.75 640.75	640.96 640.96	641.17 641.17
201+00	201+50	202+00	202+50	203+00	203+50	204+00	204+50	205+00	205+50	206+00	206+50	207+00

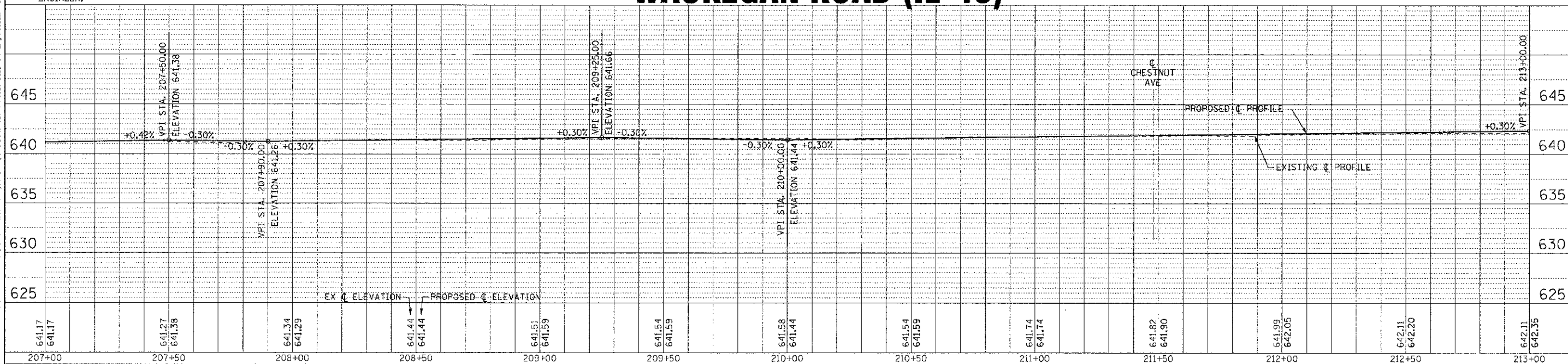
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 LICENSE NO. 104-0089 - EXPIRES 4/30/2013  
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DESIGNED BY: BATES & WOODMAN, INC.  
 STATE OF ILLINOIS - PROFESSIONAL ENGINEERING FIRM  
 LICENSE NO. 0348-1352 - EXPIRES 6/30/2015  
 28 JUNE 2012



- NOTES:**
- TEMPORARY PAVEMENT SHALL BE INSTALLED AS DETERMINED BY THE ENGINEER FOR THE EAST LEG OF CHESTNUT AVENUE TO PROVIDE ADJACENT BUSINESSES ACCESS TO THE SIGNALIZED INTERSECTION AT ALL TIMES.
  - THE EXISTING NORTH TACO BELL DRIVEWAY SHALL REMAIN OPEN AT ALL TIMES DURING CONSTRUCTION OR UNTIL THE CONSTRUCTION OF THE TACO BELL FRONTAGE DRIVE IS COMPLETE AND OPEN TO TRAFFIC AS DETERMINED BY THE ENGINEER.

# WAUKEGAN ROAD (IL-43)



DESIGNED - DSH	REVISED - 10-12-12 PER IDOT
DRAWN - MAC	REVISED -
CHECKED - TLH	REVISED -
DATE - 8/23/12	FILE - 110025-12-PP2.shd

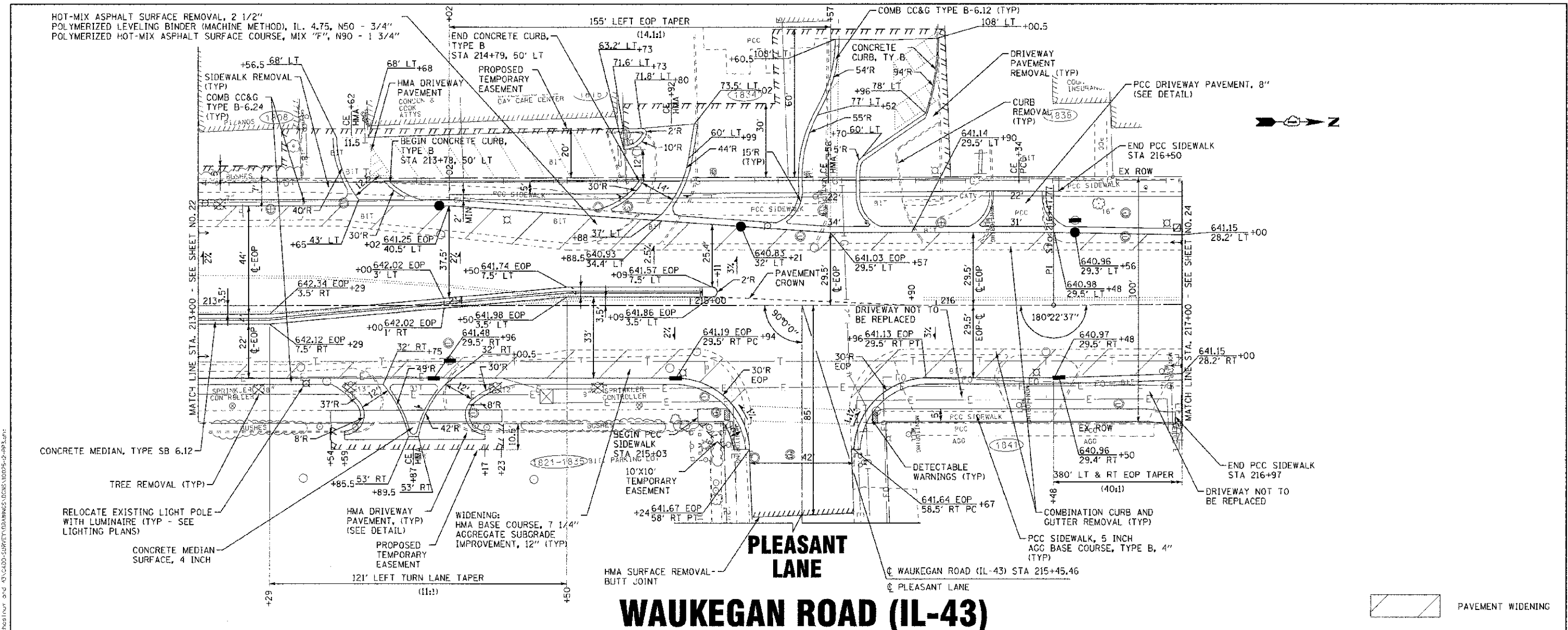
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**GEOMETRIC PLAN AND PROFILE**  
**WAUKEGAN ROAD (IL-43)**

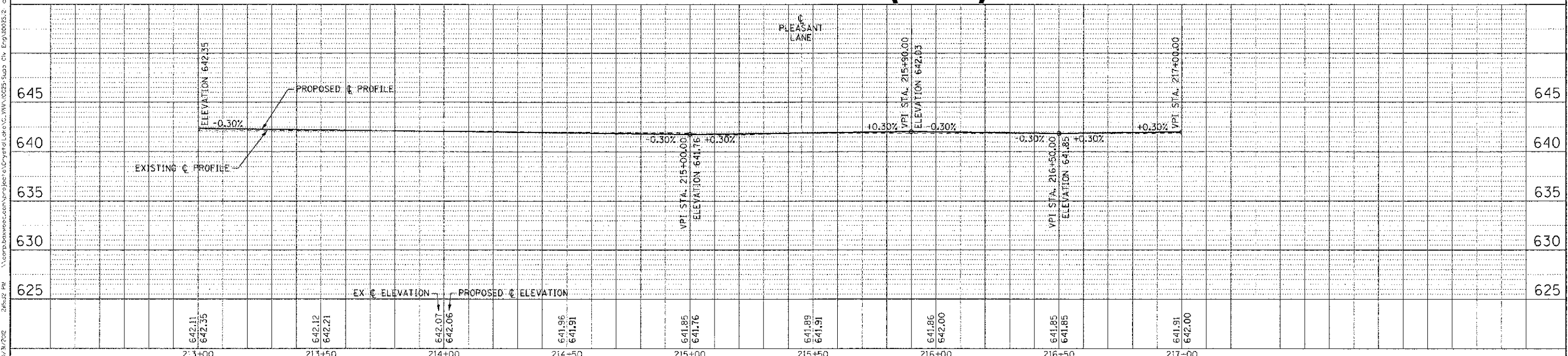
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		C-91-070-06		CONTRACT NO. 63756	FED. ROAD DIST. NO. 1 ILLINOIS



HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"  
 POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL. 4.75, N50 - 3/4"  
 POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 - 1 3/4"



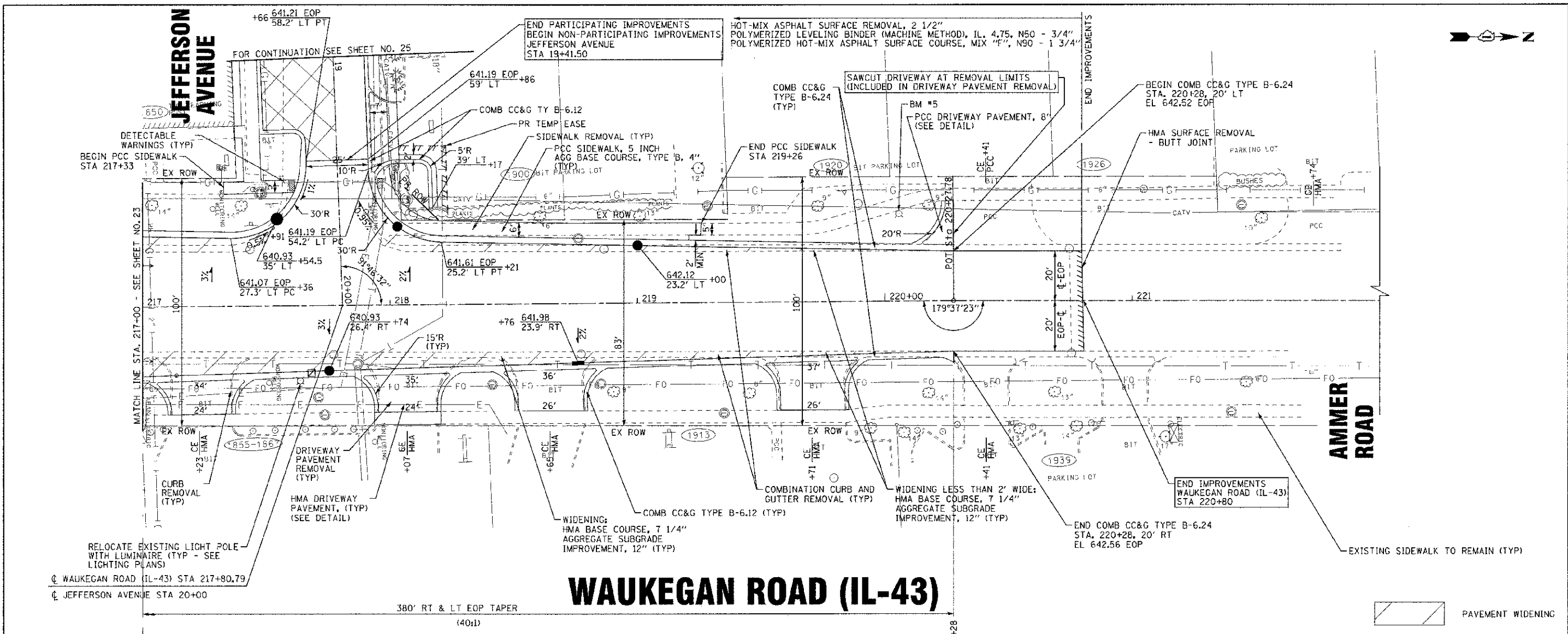
# WAUKEGAN ROAD (IL-43)



DESIGNED - DSH	REVISED - 10-12-12 PER IDOT	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>GEOMETRIC PLAN AND PROFILE</b>		F.A.P./F.A.U. R.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DRAWN - MAC	REVISED -		<b>WAUKEGAN ROAD (IL-43)</b>		0348/1352	05 00160 00 011	COOK	109	23
CHECKED - TLH	REVISED -		SCALE: H: 1"=20' V: 1"=5'		C-91-070-06		CONTRACT NO. 63756		
DATE - 8/23/12	FILE - 110025-12-PP3.sht		STA. 215+00 TO STA. 217+00		FED. ROAD DIST. NO. 1 ILLINOIS		FCO. AID PROJECT F-03481351		

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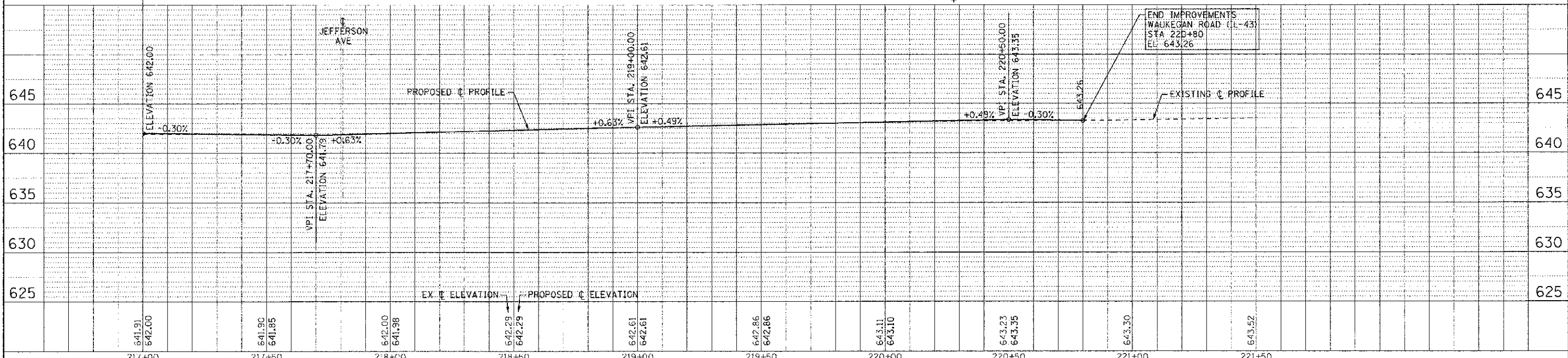




RELOCATE EXISTING LIGHT POLE WITH LUMINAIRE (TYP - SEE LIGHTING PLANS)  
 WAUKEGAN ROAD (IL-43) STA 217+80.79  
 JEFFERSON AVENUE STA 20+00

# WAUKEGAN ROAD (IL-43)

**AMMER ROAD**



DESIGNED - DSH	REVISED - 10-12-12 PER IDOT
DRAWN - MAC	REVISED -
CHECKED - TLH	REVISED -
DATE - 8/23/12	FILE - 110025-12-PP4.6h+1

217+00	217+50	218+00	218+50	219+00	219+50	220+00	220+50	221+00	221+50
641.91 642.00	641.90 641.85	642.00 641.98	642.29 642.29	642.61 642.61	642.86 642.86	643.11 643.10	643.23 643.35	643.30	643.52

**GEOMETRIC PLAN AND PROFILE**  
**WAUKEGAN ROAD (IL-43)**

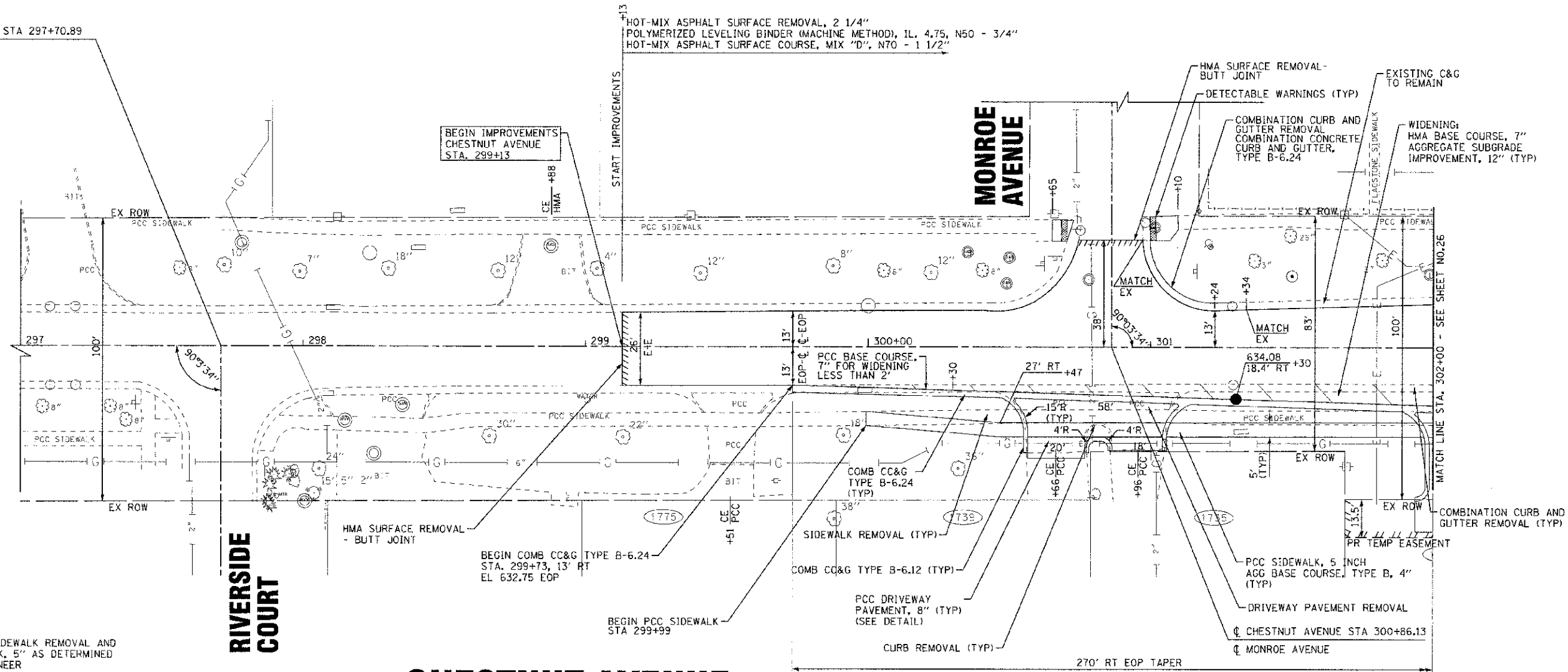
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STA. 217+00 TO STA. 221+00

F.A.P./F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0348/1352	05 00160 00 CH	COOK	109	24
C-91-070-06		CONTRACT NO. 63756		
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT F-03481351		

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 ADDRESS: 1000 W. WASHINGTON ST., SUITE 200, CHICAGO, IL 60607-4000  
 TEL: 312.467.1000 FAX: 312.467.1001

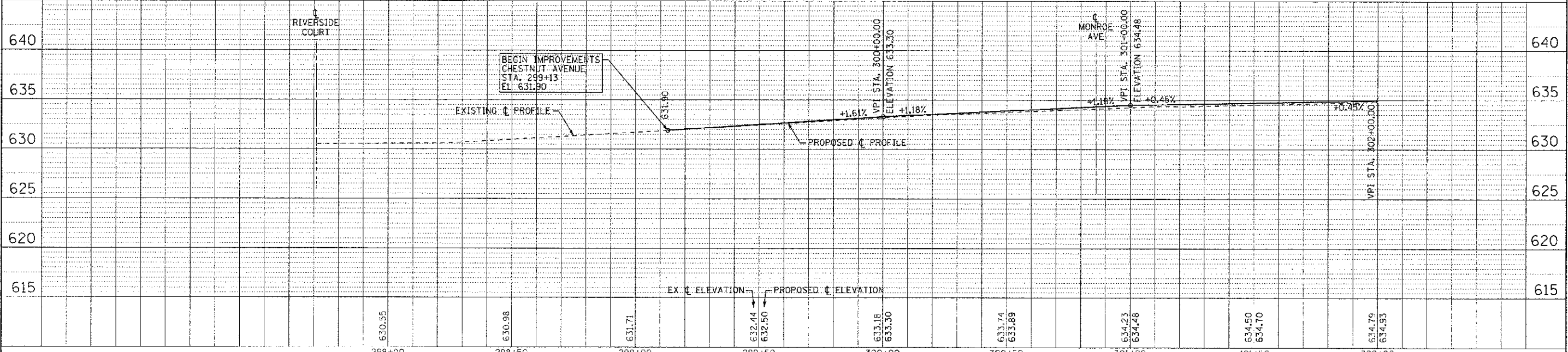
☉ CHESTNUT AVENUE STA 297+70.89  
 ☉ RIVERSIDE COURT



**NOTE:**  
 LIMITS OF SIDEWALK REMOVAL AND  
 PCC SIDEWALK, 5" AS DETERMINED  
 BY THE ENGINEER

# CHESTNUT AVENUE

PAVEMENT WIDENING



DESIGNED - DSH	REVISED - 10-12-12 PER ID07
DRAWN - MAC	REVISED -
CHECKED - TLH	REVISED -
DATE - 8/23/12	FILE - 110025-12-PF5.sht

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

GEOMETRIC PLAN AND PROFILE  
 CHESTNUT AVENUE

SCALE: H: 1"=20' V: 1"=5'  
 STA. 297+00 TO STA. 302+00

F.A.P./T.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0348/1352	05-00160-00-CH	COOK	109	25
C-91-070-05		CONTRACT NO. 63756		
FED. ROAD DIST. NO. 1		ILLINOIS		
FED. AID PROJECT F-0348(1352)				

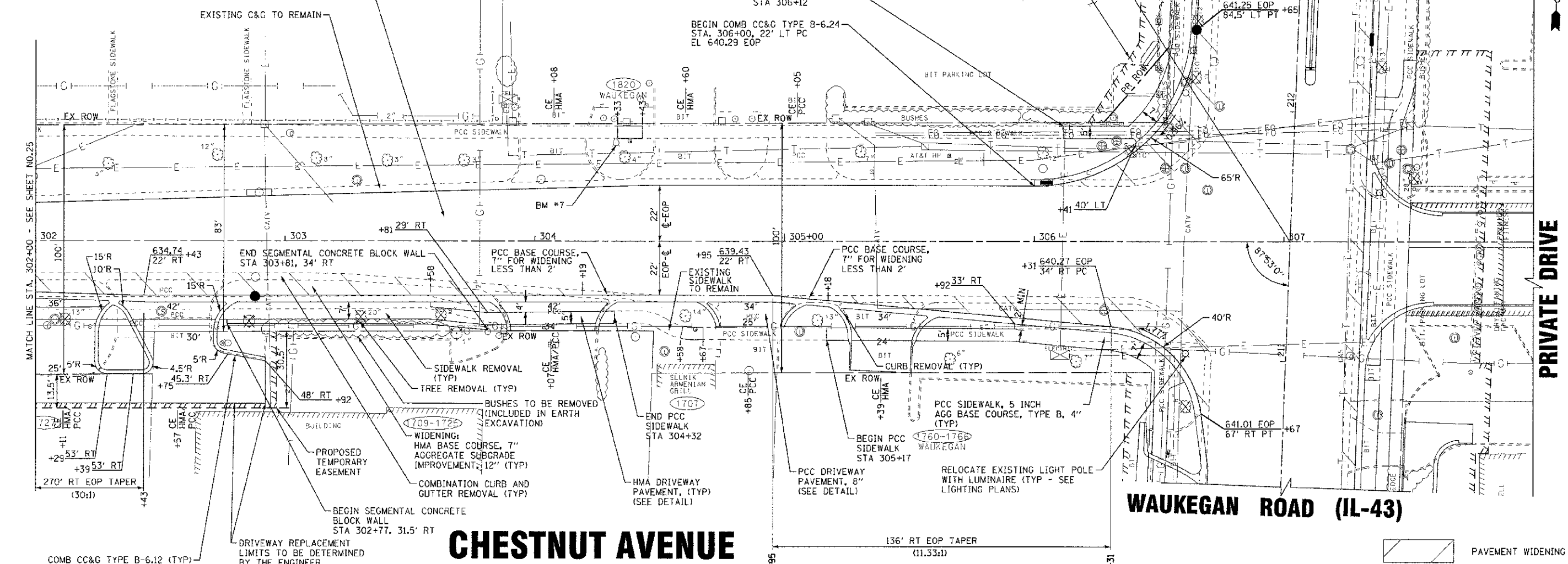
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HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"  
 POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL. 4.75, N50 - 3/4"  
 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 - 1 1/2"

NOTE:  
 LIMITS OF SIDEWALK REMOVAL AND  
 PCC SIDEWALK, 5" AS DETERMINED  
 BY THE ENGINEER

☉ WAUKEGAN ROAD (IL-43) STA 211+46.83  
 ☉ CHESTNUT AVENUE STA 307+02.50

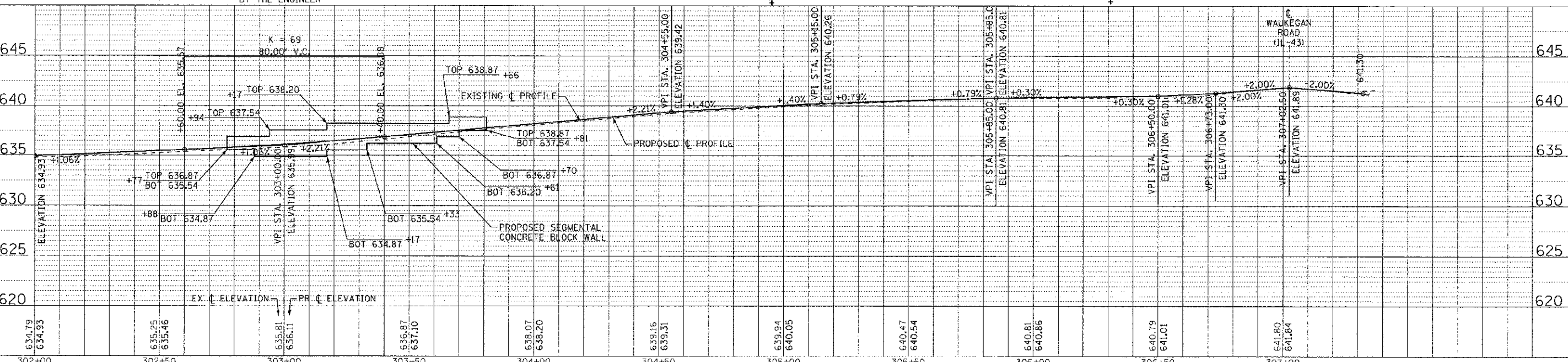
# WAUKEGAN ROAD (IL-43)



# CHESTNUT AVENUE

# WAUKEGAN ROAD (IL-43)

PRIVATE DRIVE



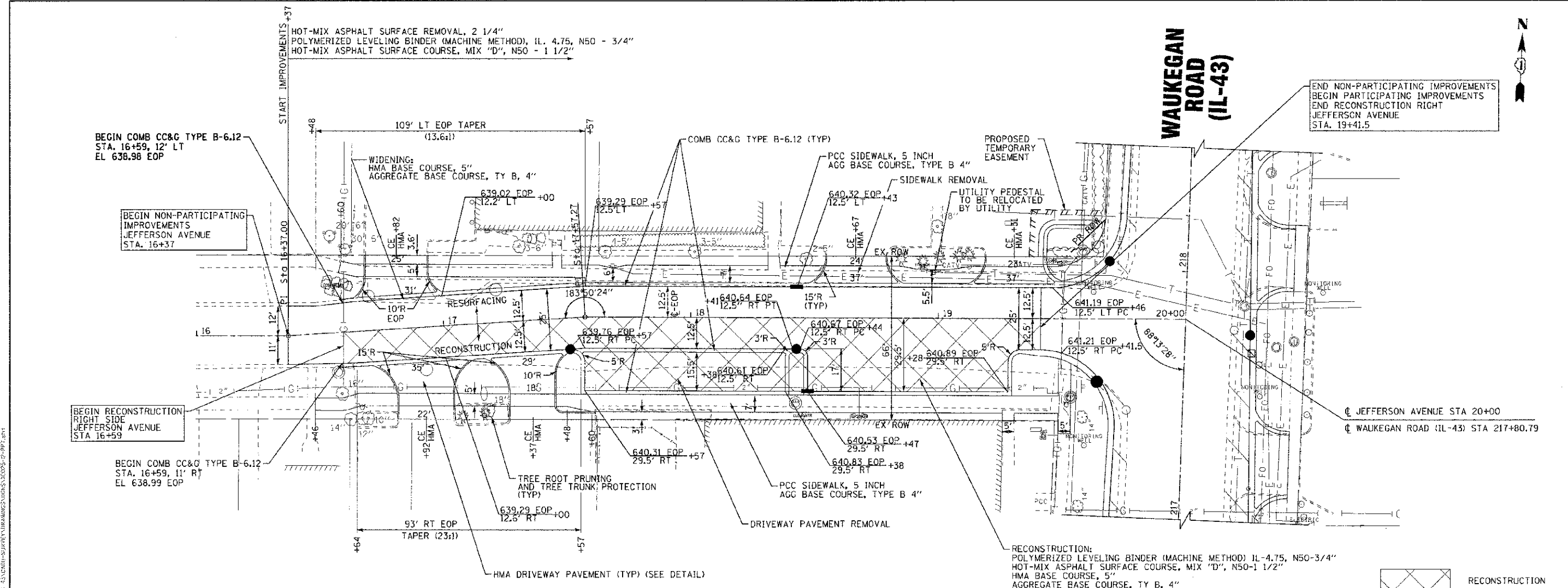
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DRAWN - MAC	REVISED - 10-29-12 PER VILLAGE	0348/1352	C5-00160-00-CH	COOK	109	26
CHECKED - T.H.	REVISED - 11-16-12 PER VILLAGE	C-91-0/0-06		CONTRACT NO. 63756		
DATE - 8/23/12	FILE - 110025-12-PP6.sh1	FED. ROAD DIST. NO. 1 (ILLINOIS)		FED. AID PROJECT F-0348(35)		

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

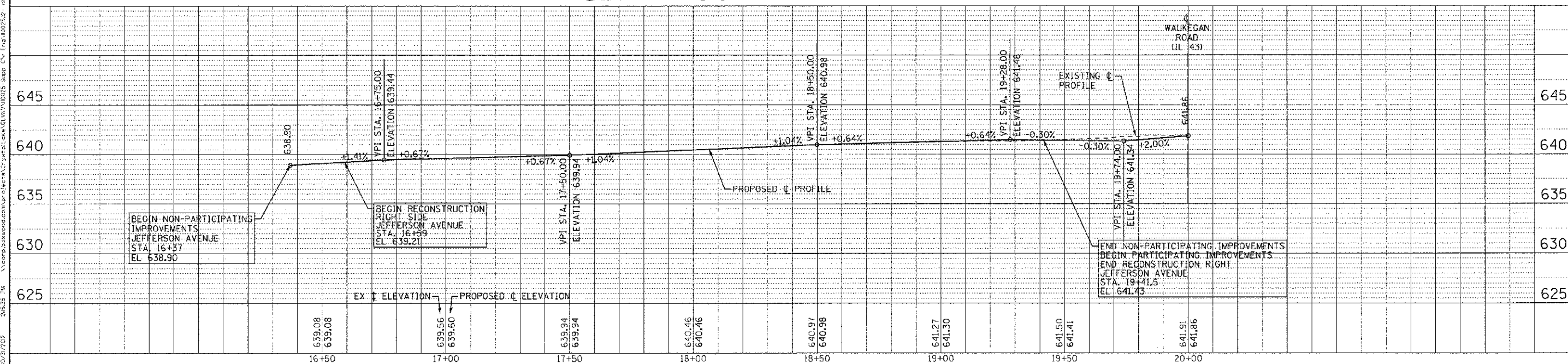
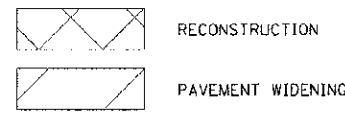
GEOMETRIC PLAN AND PROFILE  
 CHESTNUT AVENUE

SCALE: H: 1"=20' V: 1"=5' STA. 302+00 TO STA. 307+02.50

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 1101 S. WOODLAND AVE.  
 SUITE 200  
 CHICAGO, IL 60605  
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# JEFFERSON AVENUE



DESIGNED - DSH	REVISED - 10-12-12 PER 100T
DRAWN - MAC	REVISED -
CHECKED - TLH	REVISED -
DATE - 8/23/12	FILE - 110025-12-PP7.sht

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

GEOMETRIC PLAN AND PROFILE  
JEFFERSON AVENUE

F.A.P./F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0348/1352	05-00160-00-CH	COOK	109	27
C-91-070-06		CONTRACT NO. 63756		
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT F-0348(35)		

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 A DIVISION OF WOODMAN CONSULTING ENGINEERS, INC.  
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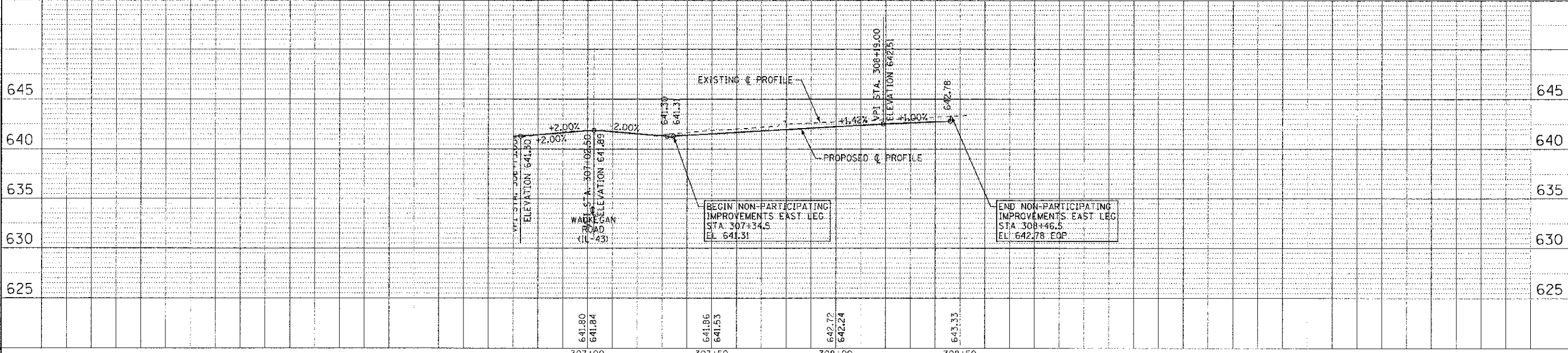
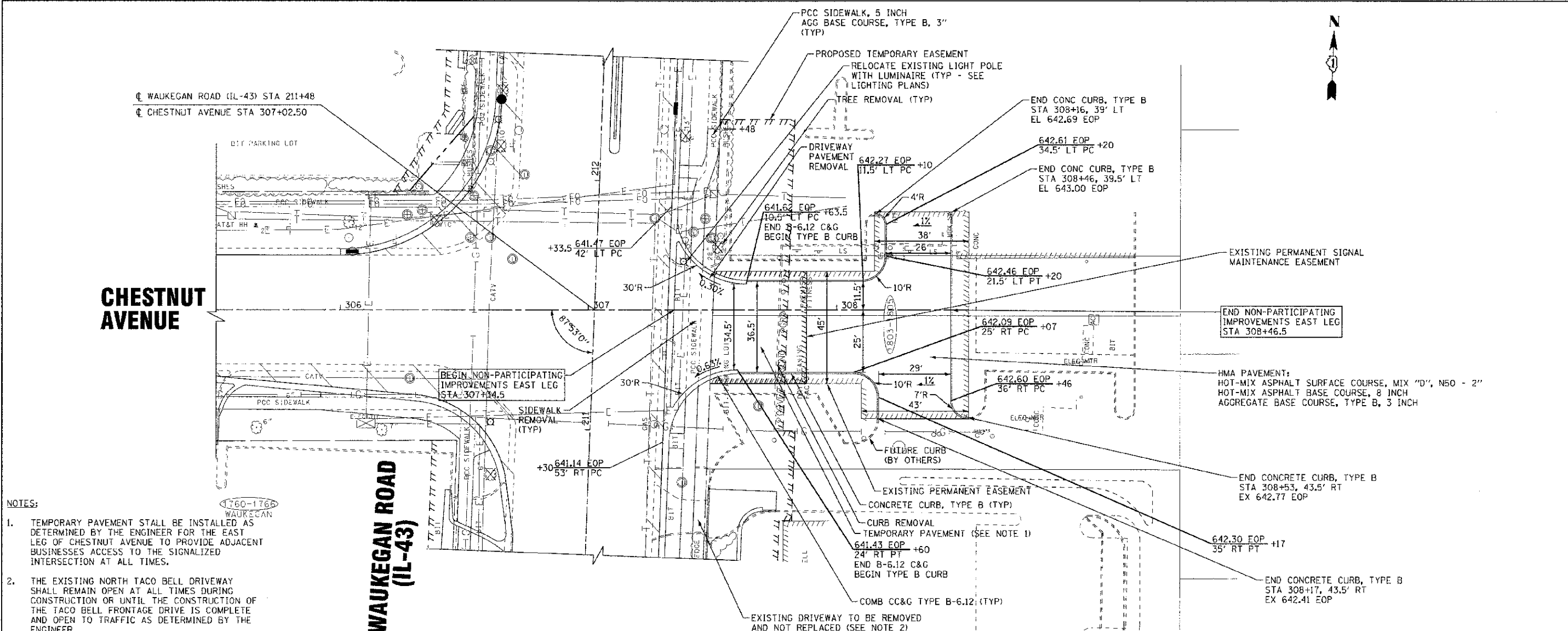


**CHESTNUT AVENUE**

**WAUKEGAN ROAD (IL-43)**

**NOTES:**

- TEMPORARY PAVEMENT SHALL BE INSTALLED AS DETERMINED BY THE ENGINEER FOR THE EAST LEG OF CHESTNUT AVENUE TO PROVIDE ADJACENT BUSINESSES ACCESS TO THE SIGNALIZED INTERSECTION AT ALL TIMES.
- THE EXISTING NORTH TACO BELL DRIVEWAY SHALL REMAIN OPEN AT ALL TIMES DURING CONSTRUCTION OR UNTIL THE CONSTRUCTION OF THE TACO BELL FRONTAGE DRIVE IS COMPLETE AND OPEN TO TRAFFIC AS DETERMINED BY THE ENGINEER.



DESIGNED - DSH	REVISED - 10-12-12 PER IDOT
DRAWN - MAC	REVISED -
CHECKED - TLH	REVISED -
DATE - 8/23/12	FILE - 110025-12-PP8.shx

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**GEOMETRIC PLAN AND PROFILE  
EAST LEG  
PERMIT PROJECT REF. NO. 016-53065**

F.A.P./F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0348/1352	05-00160-00-CH	COOK	109	28
C-91-370-06		CONTRACT NO. 63756		
FED. ROAD DIST. NO. 1 (ILLINOIS)		FED. AID PROJECT F-0348(95)		

SCALE: H: 1"=20' V: 1"=5'  
STA. 307+02.50 TO STA. 308+53

CHECKED BY: BAXTER & WOODMAN CONSULTING ENGINEERS, INC. 1760-1766 WAUKEGAN, ILL. 60087  
 LICENSE NO.: 34-00073-1 APRILS 4/24/73  
 1760-1766 WAUKEGAN, ILL. 60087  
 8/23/2012



**MAINTENANCE OF TRAFFIC NOTES**

- EMERGENCY VEHICLE ACCESS SHALL BE MAINTAINED AT ALL TIMES. ANY SIGNIFICANT CHANGE IN TRAFFIC CONTROL SHALL HAVE PRIOR APPROVAL BY THE ENGINEER. THE CONTRACTOR SHALL PROVIDE A MINIMUM OF THREE (3) DAYS NOTICE IN ADVANCE OF CONSTRUCTION ACTIVITIES WHICH IMPACT EMERGENCY SERVICES.
- DAYTIME LANE CLOSURES ON WAUKEGAN ROAD (IL-43) SHALL ONLY BE ALLOWED BETWEEN THE HOURS OF 9AM AND 3PM AND MUST LEAVE AT LEAST ONE 10' MIN. WIDTH LANE OPEN IN EACH DIRECTION AT ALL TIMES. AT LEAST TWO 10' MIN. WIDTH LANES SHALL REMAIN OPEN TO TRAFFIC IN EACH DIRECTION ALL OTHER TIMES.
- ALL LANES ON CHESTNUT AVENUE SHALL BE OPEN TO TRAFFIC AT THE END OF EACH DAY, MAINTAINING A MINIMUM 10' WIDTH PER LANE.
- THE CONTRACTOR SHALL PROVIDE TEMPORARY ACCESS TO DRIVEWAYS AND SIDE ROADS DURING CONSTRUCTION, UTILIZING PAVEMENT TEMPORARY ACCESS (ROAD) AND TEMPORARY ACCESS (COMMERCIAL ENTRANCE).
- ALL COMMERCIAL PROPERTIES SHALL BE PROVIDED AT LEAST ONE INGRESS AND ONE EGRESS EITHER ON THE MAINLINE OR A SIDE STREET AT ALL TIMES. THE CONTRACTOR SHALL COORDINATE DRIVEWAY CLOSURES/MODIFICATIONS WITH THE LOCAL BUSINESSES AND THE ENGINEER. COMMERCIAL DRIVEWAYS WHICH CANNOT BE CLOSED, AS DETERMINED BY THE ENGINEER, SHALL BE CONSTRUCTED IN STAGES OR WILL BE CONSTRUCTED WHEN BUSINESSES ARE NOT OPEN USING HIGH EARLY STRENGTH CONCRETE. THIS WORK SHALL BE INCLUDED IN THE CONTRACT.
- ALL DRUMS AND VERTICAL PANELS SHALL BE EQUIPPED WITH STEADY BURN MONO-DIRECTIONAL LIGHTS. SPACING SHALL BE AT 50 FOOT INTERVALS ALONG WORK AREAS AND 25 FEET WHERE DIRECTION CHANGES AND TAPERS OCCUR, OR AS DIRECTED BY THE ENGINEER.
- DAILY LANE CLOSURES SHALL BE IN ACCORDANCE WITH THE APPLICABLE HIGHWAY STANDARDS.
- TEMPORARY TRAFFIC SIGNAL VIDEO DETECTION ZONES SHALL BE MODIFIED AS STAGING REQUIRES AND INCLUDED IN THE COST OF THE TEMPORARY TRAFFIC SIGNAL.
- STAGES 1A AND 1B OF CONSTRUCTION ON WAUKEGAN ROAD CAN BE COMPLETED IN EITHER ORDER, BUT NOT AT THE SAME TIME. ANY WORK REQUIRING CLOSING OF THE OUTSIDE LANES SHALL BE DONE ON ONE SIDE OF THE ROAD AT A TIME TO MINIMIZE CONGESTION. WORK MAY BE SWITCHED FROM ONE SIDE OF THE ROAD TO THE OTHER DURING THE COURSE OF A DAY; HOWEVER, THE LANES ON FIRST SIDE MUST BE REOPENED BEFORE CLOSING LANES ON THE OTHER SIDE.
- STAGE 2 OF WAUKEGAN ROAD CONSTRUCTION, WHICH IS REQUIRED TO INSTALL THE PROPOSED CONCRETE MEDIAN, SHALL BE SET UP AFTER MILLING AND UTILIZING TEMPORARY PAVEMENT MARKING FOR LANE CONTROL. CLOSURE SHALL BE IN ACCORDANCE WITH HIGHWAY STANDARD 701602, CASE I OR III. TAPER AND FULL INSIDE LANE CLOSURE FOR NORTHBOUND TRAFFIC SHALL BE PROVIDED PRIOR TO THE STOP BAR. PROVIDE NO LEFT TURN SIGNS AT ADJACENT ENTRANCES TO PROHIBIT LEFT TURN ATTEMPTS ACROSS THE WORK ZONE. THIS CLOSURE SHALL BE LIMITED TO 10 CALENDAR DAYS.
- CONSTRUCTION VEHICLES AND/OR EQUIPMENT SHALL NOT BE PARKED OVERNIGHT WITHIN IDOT OR VILLAGE RIGHT-OF-WAY ADJACENT TO OR IN FRONT OF COMMERCIAL BUSINESS PROPERTIES. THE ENGINEER WILL ASSIST THE CONTRACTOR IN IDENTIFYING CONSTRUCTION STAGING LOCATIONS AT THE START OF CONSTRUCTION.

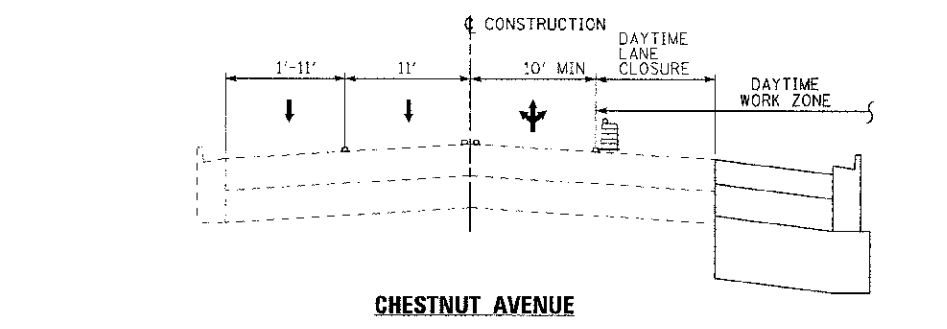
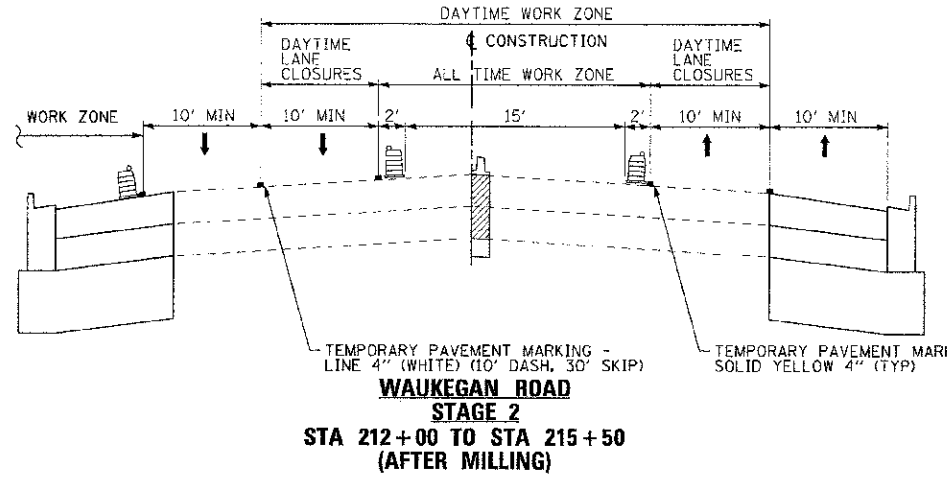
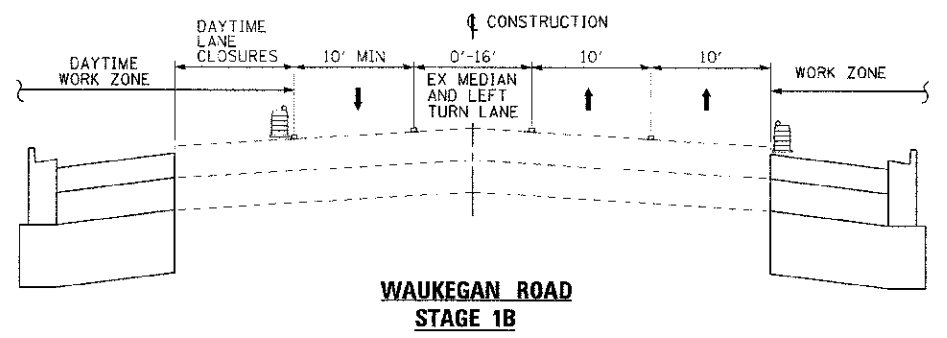
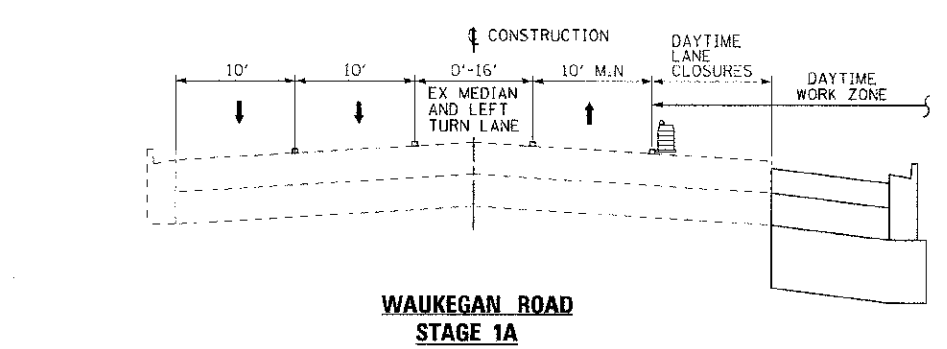
**SUGGESTED SEQUENCE OF CONSTRUCTION - WAUKEGAN ROAD**

**STAGE 1A & STAGE 1B**

- DURING ALLOWABLE HOURS, CLOSE OUTSIDE LANE IN ACCORDANCE WITH HIGHWAY STANDARDS 701602 (CASE IV), 701606 AND 701701.
- INSTALL REQUIRED UNDERGROUND UTILITIES, INCLUDING STORM SEWER, WATER MAIN AND SANITARY SEWER REPAIRS.
- COMPLETE REMOVAL AND EXCAVATION OPERATIONS FOR WIDENING AND INSTALL AGGREGATE SUBBASE, PROVIDING TEMPORARY ACCESS TO DRIVEWAYS BY THE END OF EACH DAY.
- INSTALL PROPOSED CURB AND GUTTER AND BEGIN CONSTRUCTING PROPOSED DRIVEWAYS.
- INSTALL PROPOSED PCC BASE COURSE (GAPPING DRIVEWAYS AS REQUIRED) AND HMA BASE COURSE.
- BEGIN COMPLETING SIDEWALK, DRIVEWAYS, AND PARKWAY GRADING.
- REOPEN ALL ORIGINAL LANES AND SWITCH OPERATIONS TO THE OTHER SIDE AND REPEAT STEPS 1-6.

**STAGE 2**

- COMPLETE PAVEMENT MILLING AND UTILIZE TEMPORARY PAVEMENT MARKING FOR LANE CONTROL.
- CLOSE CENTER LANE(S) IN ACCORDANCE WITH HIGHWAY STANDARD 701602 (CASE I OR III) BETWEEN STATION 212+00 AND STATION 215+50.
- SAWCUT AND REMOVE PAVEMENT TO INSTALL PROPOSED CONCRETE MEDIAN AND INSTALL AGGREGATE BASE COURSE.
- CONSTRUCT PROPOSED RAISED CONCRETE MEDIAN FROM STATION 212+11 TO STATION 215+11 AND ALLOW TO CURE FOR A MINIMUM OF 72 HOURS.
- REOPEN CENTER LANE(S) AND PREPARE FOR LEVELING BINDER AND SURFACE COURSE. CLOSURE FOR STAGE 2 SHALL BE A MAXIMUM OF 10 CALENDAR DAYS.

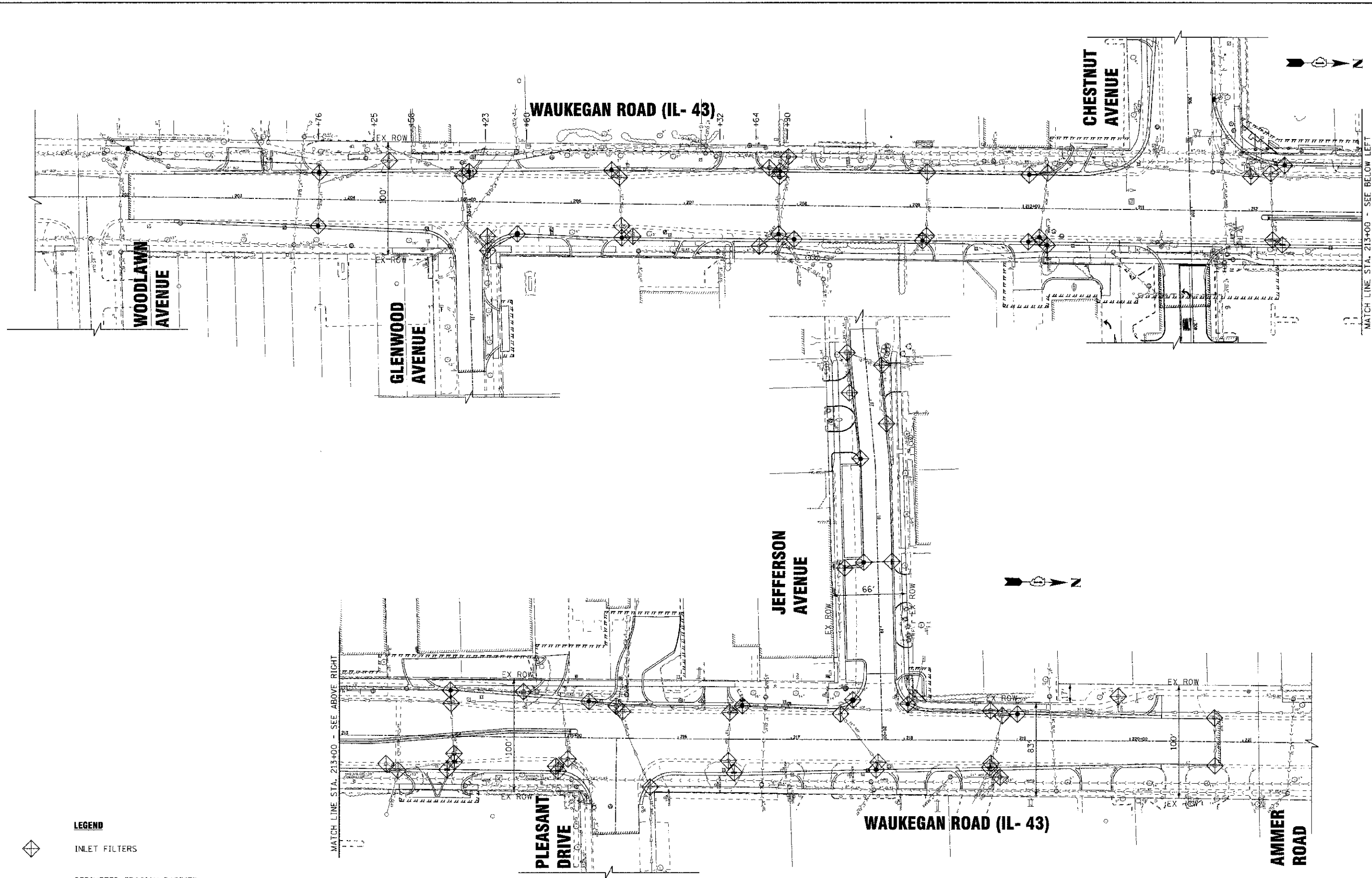


**LEGEND**

- ▲ EXISTING PAVEMENT MARKINGS
- ▲ TEMPORARY PAVEMENT MARKINGS
- ↑ DIRECTION OF TRAFFIC
- ▤ TEMPORARY CONCRETE BARRIER
- ▤ DRUMS WITH STEADY BURN MONO-DIRECTIONAL LIGHT
- - - EXISTING ROADWAY
- PROPOSED ROADWAY
- ▨ PAVEMENT REMOVAL

DESIGNED BY: BAY, CO. & WILKINSON, INC. ...  
 DRAWN BY: MAC ...  
 CHECKED BY: TLH ...  
 DATE: 8/23/12 ...  
 REVISIONS: 10-12-12 PER IDOT ...  
 FILE: 110025-12-MOT.shd

	DESIGNED - DSH	REVISED - 10-12-12 PER IDOT	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>		<b>SUGGESTED MAINTENANCE OF TRAFFIC</b>		F.A.D./F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - MAC	REVISED -					0348/1352	05-00160-00-CH	COOK	109	29
	CHECKED - TLH	REVISED -					C-91-070-06		CONTRACT NO. 63756		
	DATE - 8/23/12	FILE - 110025-12-MOT.shd			SCALE: STA. TO STA.		FED. ROAD DIST. NO. 1 (ILLINOIS)		FED. AID PROJECT F-0348/351		



**LEGEND**



INLET FILTERS



PERIMETER EROSION BARRIER

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DRAWN - MAC	REVISED -
CHECKED - TLH	REVISED -
DATE - 3/23/12	FILE - 110025-12-ERI.eht

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

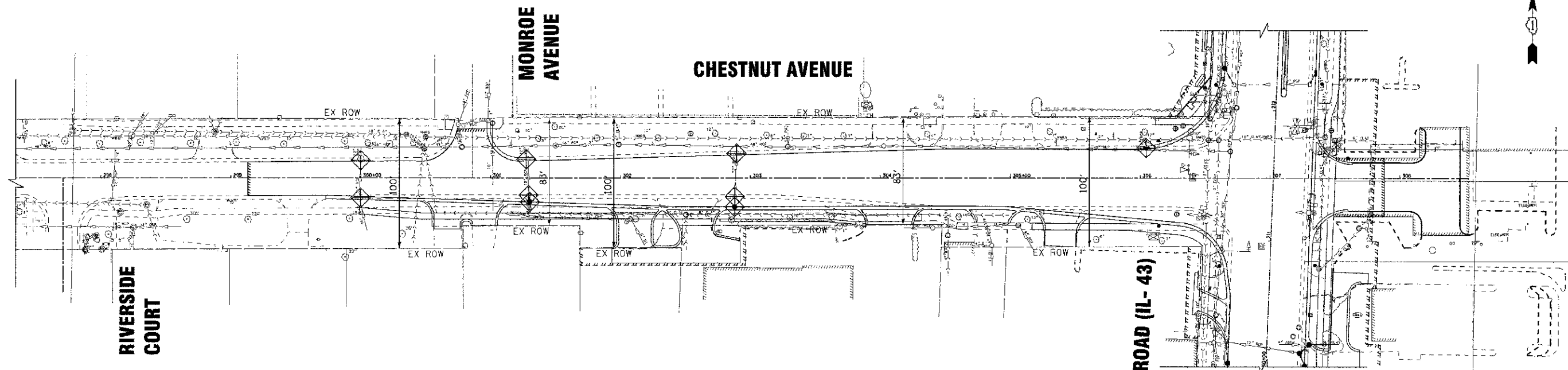
**EROSION CONTROL PLAN**  
**WAUKEGAN ROAD (IL-43)**  
**AND JEFFERSON AVENUE**

SCALE: 1"=40'

STA. 202+00 TO STA. 221+00

F.A.P./F.A.U. SITE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0348/1352	05-00160-00-CH	COGK	109	30
C-91-070-06		CONTRACT NO. 63756		
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT F-0348(35)		


MATCH LINE STA. 213+00 - SEE BELOW LEFT



**SOIL EROSION AND SEDIMENT CONTROL NOTES**

- A. ALL AREAS LOCATED DOWNSTREAM FROM DISTURBED AREAS OF CONSTRUCTION SHALL BE PROTECTED FROM POTENTIAL INCREASE OF EROSION AND SEDIMENTATION RESULTING FROM UPSTREAM ACTIVITIES.
- B. SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. AREAS OF CONSTRUCTION SITE THAT ARE NOT TO BE GRADED SHALL BE PROTECTED FROM CONSTRUCTION TRAFFIC OR OTHER DISTURBANCE UNTIL FINAL SODDING IS PERFORMED.
- C. SOIL EROSION AND SEDIMENT CONTROL FEATURES SHALL BE CONSTRUCTED AND FUNCTIONAL PRIOR TO THE START OF DISTURBANCE.
- D. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICAL IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED; BUT IN NO CASE SHALL THESE MEASURES BE INSTALLED MORE THAN 7 DAYS AFTER THE CONSTRUCTION IN THIS AREA TEMPORARILY OR PERMANENTLY CEASES.
- E. ALL STORM SEWER STRUCTURES THAT RECEIVE RUNOFF DURING CONSTRUCTION SHALL INCLUDE INLET PROTECTION FILTERS TO PREVENT DEBRIS AND EXCESSIVE SEDIMENT FROM ENTERING THE STORM SEWER SYSTEM. THESE PROTECTIVE MEASURES SHALL BE PROPERLY INSTALLED, MAINTAINED, AND REMOVED IN THEIR ENTIRETY AFTER THE AREA TRIBUTARY TO THE STORM STRUCTURE IS STABILIZED.
- F. DISCHARGES FROM DEWATERING OPERATIONS SHALL ENTER OR BE ROUTED TO A SEDIMENT AND EROSION CONTROL SYSTEM OR DEVICE.
- G. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED. TRAPPED SEDIMENT SHALL BE PROPERLY STABILIZED OR DISPOSED.
- H. REPAIR, REPLACE OR MAINTAIN EROSION AND SEDIMENT CONTROL STRUCTURES AFTER A RAINFALL EVENT OF 1/2 INCH OR MORE OVER A 24-HOUR PERIOD AND ON A BI-WEEKLY BASIS AS A MINIMUM.
- I. MAKE ADJUSTMENTS TO THE SEDIMENTATION AND EROSION CONTROL PLAN AND METHODS, AS NEEDED, TO ACCOMPLISH THE INTENDED PURPOSE.
- J. ALL ADJACENT ROADWAYS MUST BE KEPT CLEAR OF DEBRIS, INSPECTED DAILY, AND CLEANED WHEN NECESSARY OR AS DETERMINED BY THE ENGINEER.
- K. THE CONTRACTOR SHALL NOT CAUSE OR PERMIT THE DUMPING, DEPOSITING, DROPPING, THROWING, DISCARDING OR LEAVING OF CONSTRUCTION MATERIAL AND/OR DEBRIS UPON OR INTO ANY CHANNEL, DITCH, SWALE OR ANY OTHER TEMPORARY OR PERMENT LOCATIONS MEANT TO CONVEY SITE DRAINAGE.
- L. IF THE CONTRACTOR IS NOTIFIED BY THE ENGINEER OF AN EROSION AND SEDIMENT CONTROL DEFICIENCY, THE DEFECIENCY MUST BE CORRECTED WITHIN 24-HOURS OF BEING NOTIFIED.

**LEGEND**

 INLET FILTERS

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 STATE OF ILLINOIS - PROFESSIONAL SEAL FROM IRRN  
 LICENSE NO. 184-00181 - EXPIRES 4/30/2013  
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DESIGNED - DSH	REVISED -
DRAWN - MAC	REVISED -
CHECKED - TLH	REVISED -
DATE - 8/23/12	FILE - 110025-12-ER2.dwg

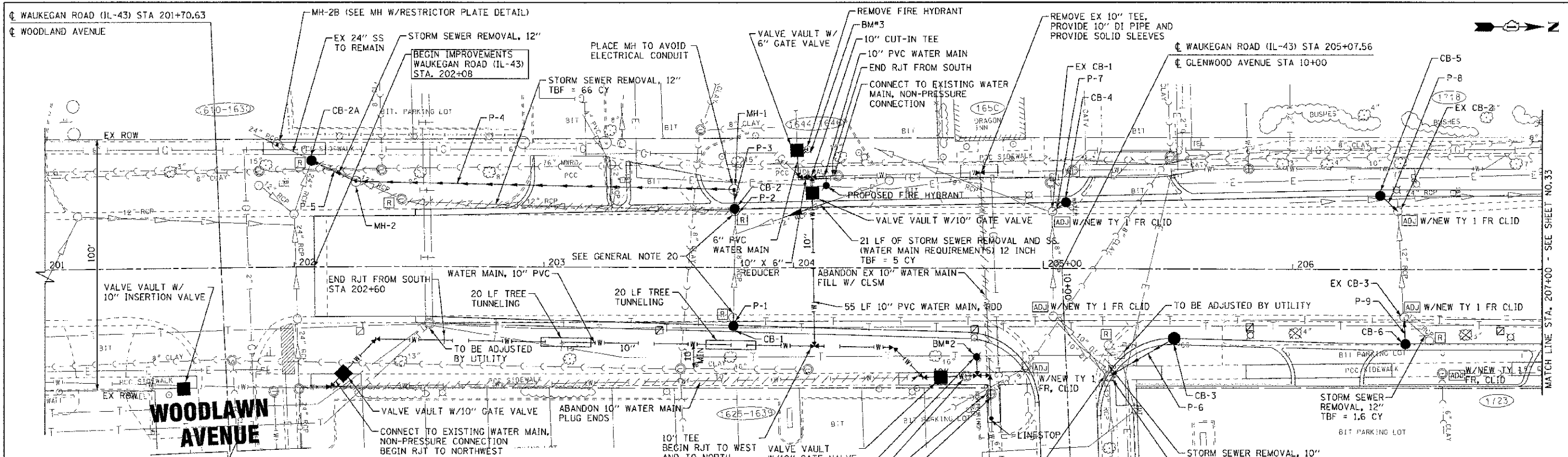
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL PLAN  
CHESTNUT AVENUE**

SCALE: 1"=40'

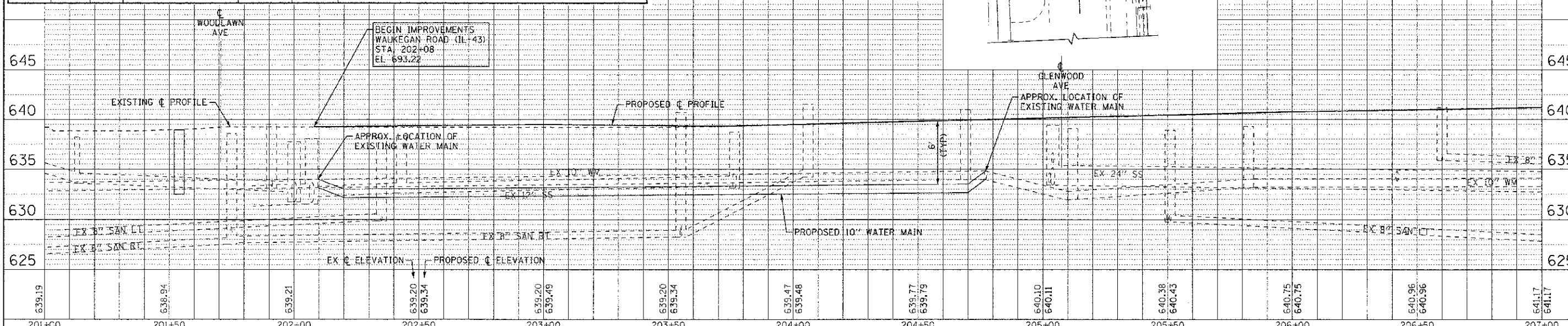
STA. 299+00 TO STA. 307+00

F.A.P./F.A.U. RATE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0348/1352	05-00160-00-CH	COOK	109	31
C-91-070-06			CONTRACT NO. 63756	
FED. ROAD DIST. NO. 1 ILLINOIS			FED. AID PROJECT #0548K391	



STORM STRUCTURES						
NO.	STATION	OFFSET	TYPE	FRAME	RIM/EP	INVERTS
CB-1	203+76	23' RT	CATCH BASIN, TYPE C	TY 24 F&G	638.82 EP	636.81 12" W
CB-2	203+76	23.5' LT	CATCH BASIN, TYPE A, 4' DIA	TY 24 F&G	638.71 EP	633.12 18" E (EX); 633.12 18" W
CB-3	205+52	27.6' RT	CATCH BASIN, TYPE C	TY 24 F&G	639.89 EP	636.65 12" SE
CB-4	205+09	26.6' LT	CATCH BASIN, TYPE C	TY 24 F&G	639.46 EP	635.31 12" SE
CB-5	206+35	29.5' RT	CATCH BASIN, TYPE C	TY 24 F&G	640.16 EP	636.18 12" NE
CB-6	206+45	29.5' RT	CATCH BASIN, TYPE C	TY 24 F&G	640.35 EP	636.90 12" W
EX CB-1	205+04	22.9' LT	EX CATCH BASIN	TY 1 FR, CLID	-	635.62 12" W (EX); 633.63 18" E & SW (EX); 635.13 12" NW
EX CB-2	206+42	23.3' LT	EX CATCH BASIN	TY 1 FR, CLID	-	636.00 12" E (EX); 635.80 12" W (EX); 636.00 12" SW
EX CB-3	206+45	19.1' RT	EX CATCH BASIN	TY 1 FR, CLID	-	638.14 12" NE (EX); 636.59 12" W (EX); 636.70 12" E
EX MH-2	205+27	42.8' RT	EX MANHOLE	TY 24 F&G	640.03 EP	635.256 10" W (PLUG); 635.16 12" E (EX); 635.26 10" (x2) SW (EX); 636.05 12" NW
MH-1	203+76	31.4' LT	MANHOLE, TYPE A, 4'-DIA	TY 1 FR, CLID	638.90 RIM	633.08 18" E & S
MH-2	202+25	34.3' LT	MANHOLE, TYPE A, 4'-DIA	TY 1 FR, CLID	638.25 RIM	632.32 18" SW & N
CB-2A	202+07	42.6' LT	CATCH BASIN, TYPE A, 5'-DIA	TY 1 FR, CLID	638.19 RIM	632.12 18" NE; 631.71 24" E (EX); 631.53 24" SW (EX)
MH-2B	201+94	49' LT	MANHOLE, TYPE A, 5'-DIA, RESTRICTOR PLATE	TY 1 FR, CLID	638.26 RIM	631.50 24" NE & SW (EX); RESTRICTOR 631.60 15"

STORM PIPES					
NO.	TYPE	LENGTH (LF)	DIA (IN)	SLOPE	TBF (CY)
P-1	SS, CL A, TYPE 1	5	12	0.00%	0.7
P-2	SS, CL A, TYPE 1	3	18	0.50%	1.9
P-3	SS, CL A, TYPE 1	7	18	0.50%	3.3
P-4	SS, CL A, TYPE 1	151	18	0.50%	59.0
P-5	SS, CL A, TYPE 1	19	18	1.00%	0.0
P-6	SS, CL A, TYPE 1	30	12	2.00%	6.8
P-7	SS (WATER MAIN REQUIREMENTS)	6	12	3.00%	1.6
P-8	SS, CL A, TYPE 1	9	12	2.00%	2.3
P-9	SS, CL A, TYPE 1	10	12	2.00%	2.0



**STATE OF ILLINOIS**  
DEPARTMENT OF TRANSPORTATION

DESIGNED - DSH  
DRAWN - MAC  
CHECKED - TLH  
DATE - 8/23/12

REVISED - 10-12-12 PER VILLAGE  
REVISED -  
REVISED -  
FILE - 1:0025-12-DUL.eht

**DRAINAGE AND UTILITY**  
**WAUKEGAN ROAD (IL-43)**

SCALE: H: 1"=20' V: 1"=5'  
STA. 201+00 TO STA. 207+00

F.A.P./F.A.L. R.T.E. SECTION COUNTY TOTAL SHEET SHEET NO.  
0348/1392 05-00160-00-CH COOK 109 32

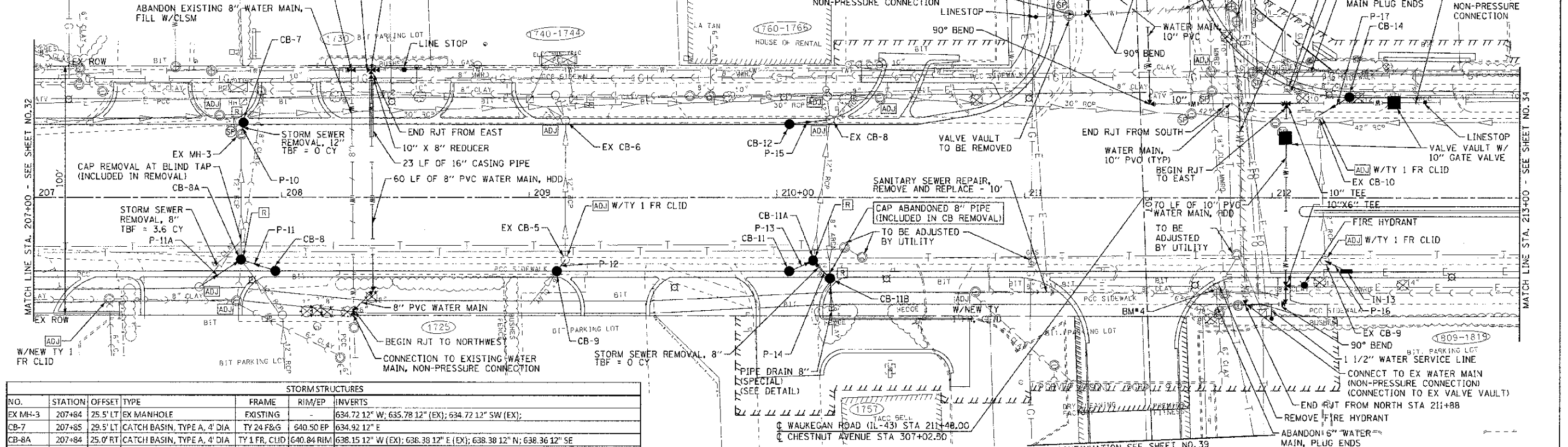
C-91-070-06 CONTRACT NO. 63756  
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT F-0348(35)

03/28/12 BY: BAXTER & WOODMAN, INC. ...  
 03/28/12 BY: BAXTER & WOODMAN, INC. ...  
 03/28/12 BY: BAXTER & WOODMAN, INC. ...  
 03/28/12 BY: BAXTER & WOODMAN, INC. ...

NOTE:

MAKE NON-PRESSURE CONNECTION AT 1730 WAUKEGAN ROAD SATURDAY AFTER 1 PM OR SUNDAY

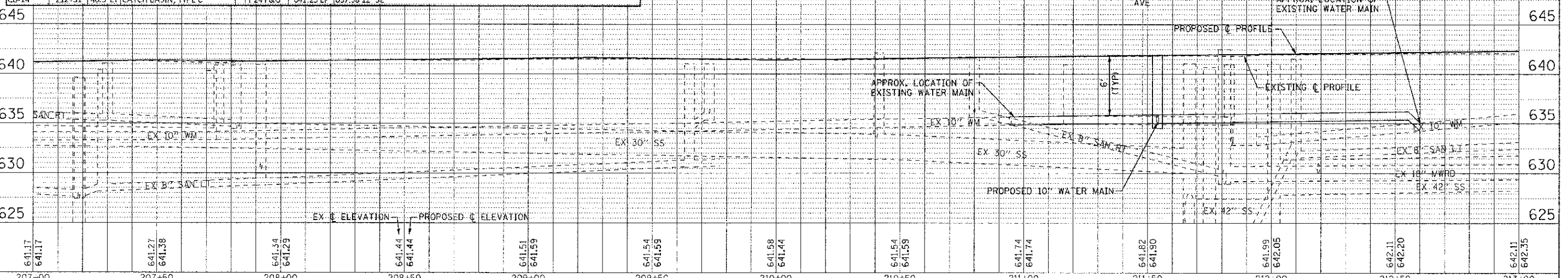
CONNECTION TO EXISTING WATER MAIN, NON-PRESSURE CONNECTION  
 REMOVE EXISTING 10" X 8" TEE, PROVIDE 10" DI PIPE AND PROVIDE SOLID SLEEVES



STORM STRUCTURES						
NO.	STATION	OFFSET	TYPE	FRAME	RIM/EP	INVERTS
EX MH-3	207+84	25.5' LT	EX MANHOLE	EXISTING	-	634.72 12" W; 635.78 12" (EX); 634.72 12" SW (EX);
CB-7	207+85	29.5' LT	CATCH BASIN, TYPE A, 4' DIA	TY 24 F&G	640.50 EP	634.92 12" E
CB-8A	207+84	25.0' RT	CATCH BASIN, TYPE A, 4' DIA	TY 1 FR, CLID	640.84 RIM	638.15 12" W (EX); 638.39 12" E (EX); 638.38 12" N; 638.36 12" SE
CB-8	207+97	29.5' RT	CATCH BASIN, TYPE C	TY 24 F&G	640.67 EP	638.66 12" S
EX CB-5	209+15	25.0' RT	EX CATCH BASIN	TY 1 FR, CUD	-	FIELD VERIFY
CB-9	209+11	29.5' RT	CATCH BASIN, TYPE C	TY 24 F&G	641.02 EP	638.47± 6" SE (EX-FIELD VERIFY); 638.47± 12" NW (FIELD VERIFY)
EX CB-6	209+15	31.1' LT	EX CATCH BASIN	EXISTING	640.89 EP	636.30 12" S (EX); 636.41 12" E (EX); 637.60 12" W (EX)
CB-11A	210+15	25.2' RT	CATCH BASIN, TYPE A, 4' DIA	TY 1 FR, CLID	640.98 RIM	638.39 12" W (EX); 638.50 12" NE; 638.50 12" SE
CB-11B	210+21	32.4' RT	CATCH BASIN, TYPE C	TY 1 FR, CLID	640.95 RIM	638.80 8" E; 638.60 12" SW
CB-11	210+05	29.5' RT	CATCH BASIN, TYPE C	TY 24 F&G	640.85 EP	638.6 12" NW
EX CB-8	210+21	31.4' LT	EX CATCH BASIN	EXISTING	640.71	636.36 12" E (EX); 637.26 12" W (EX); 635.85 12" NW (EX); 637.03 12" S
CB-12	210+05	29.5' LT	CATCH BASIN, TYPE C	TY 24 F&G	640.70 EP	637.35 12" N
EX CB-9	212+21	25.2' RT	EX CATCH BASIN	TY 1 FR, CLID	-	637.52 12" W (EX); 638.93 12" NE
IN-13	212+30	29.5' RT	INLET, TYPE A	TY 24 F&G	641.58 EP	639.66 12" SW
EX CB-10	212+19	33.2' LT	EX CATCH BASIN	TY 1 FR, CLID	-	637.11 12" E (EX); 637.06 12" SE (EX); 637.30 12" NW
CB-14	212+31	40.5' LT	CATCH BASIN, TYPE C	TY 24 F&G	641.25 EP	637.58 12" SE

STORM PIPES					
NO.	TYPE	LENGTH (LF)	DIA (IN)	SLOPE	TBF (CY)
P-10	SS, CLA, TYPE 1	4	12	5.00%	2.6
P-11	SS, CLA, TYPE 1	14	12	2.00%	1.9
P-11A	SS, CLA, TYPE 1	20	12	2.50%	3.3
P-12	SS, CLA, TYPE 1	5	12	0.50%	0.7
P-13	SS, CLA, TYPE 1	9	12	0.22%	1.2
P-14	SS, CLA, TYPE 1	10	12	1.00%	1.4
P-15	SS, CLA, TYPE 1	16	12	2.00%	3.0
P-16	SS, CLA, TYPE 1	9	12	8.11%	1.4
P-17	SS (WATER MAIN REQUIREMENTS)	14	12	2.00%	3.0

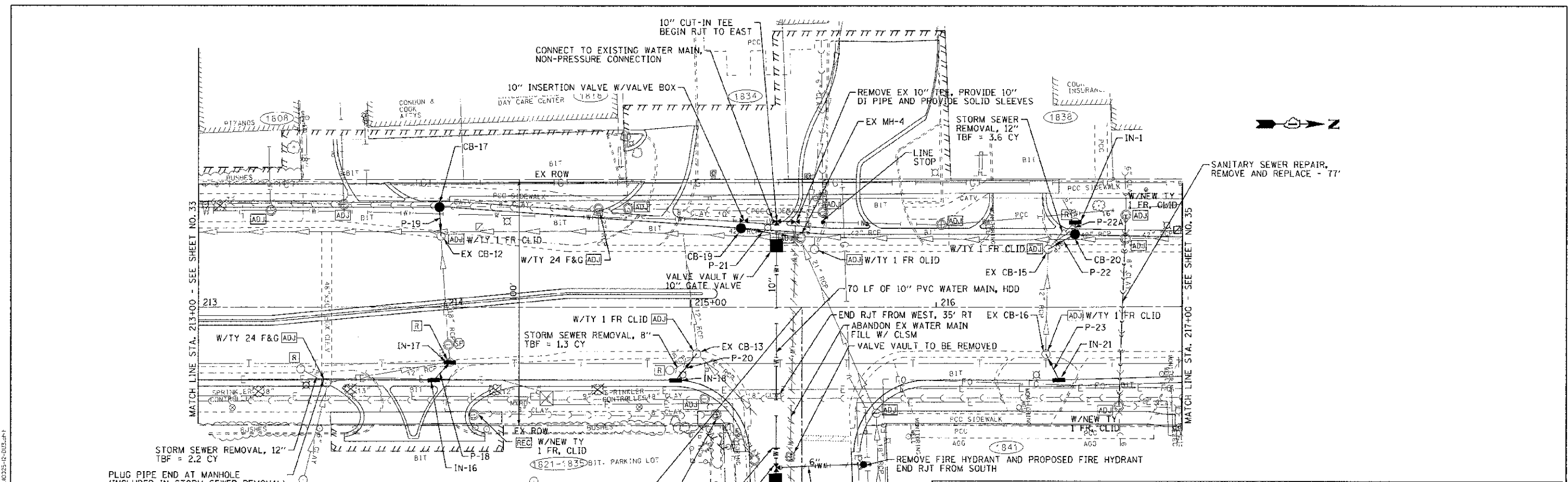
# WAUKEGAN ROAD (IL-43)



	DESIGNED - DSH	REVISED - 10-12-12 PER VILLAGE	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>DRAINAGE AND UTILITY</b> <b>WAUKEGAN ROAD (IL-43)</b>	F.A.P./F.A.U. RTE. 0348/1352	SECTION 05-00160-00-CH	COUNTY COOK	TOTAL SHEETS 109	SHEET NO. 33
	DRAWN - MAC	REVISED			C-91-070-06	CONTRACT NO. 63756			
	CHECKED - THH	REVISED			FED. ROAD DIST. NO. 1 (ILLINOIS)				
	DATE - 8/23/12	FILE - 110025-12-DU2.sh			FED. AID PROJECT F-0348(35)				

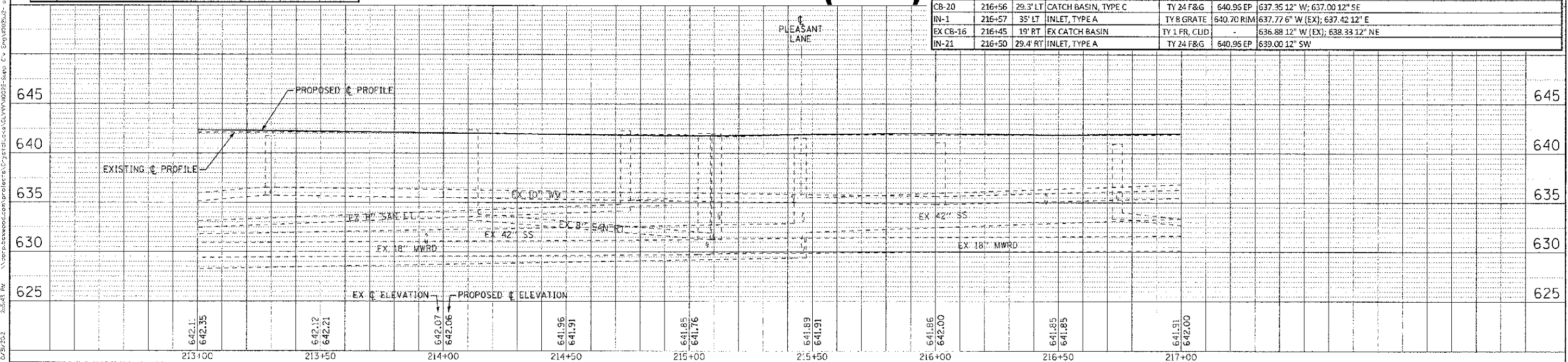
CONTRACT NO. 0348/1352  
 DRAWN BY: BAXTER WOODMAN, INC.  
 LICENSE NO. 018-00181  
 EXPIRES 12/31/2015  
 10/21/2012  
 2012-08-23





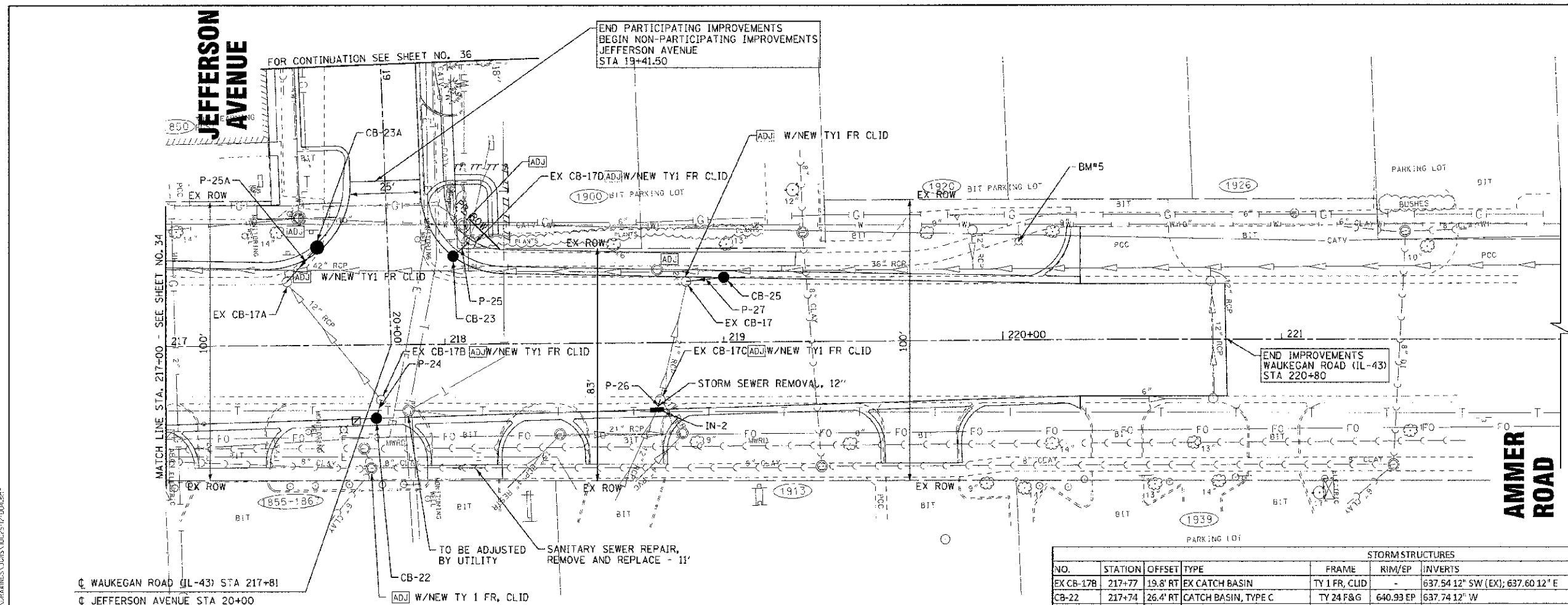
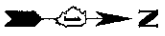
STORMPIPES					
NO.	TYPE	LENGTH (LF)	DIA (IN)	SLOPE	TBF (CY)
P-18	SS, CLA, TYPE 1	9	12	2.00%	1.6
P-19	SS (WATER MAIN REQUIREMENTS)	11	12	5.00%	2.9
P-20	SS, CLA, TYPE 1	11	12	2.00%	1.5
P-21	SS (WATER MAIN REQUIREMENTS)	24	12	2.00%	4.9
P-22	SS (WATER MAIN REQUIREMENTS)	12	12	5.00%	3.3
P-22A	SS (WATER MAIN REQUIREMENTS)	4	12	1.75%	0.8
P-23	SS, CLA, TYPE 1	11	12	6.09%	1.5

STORMSTRUCTURES						
NO.	STATION	OFFSET	TYPE	FRAME	RIM/EP	INVERTS
IN-17	214+02	22.4' RT	INLET, TYPE A	TY 1 FR, CLUD	641.61 RIM	638.98 15" W (EX); 12" S (EX-FIELD VERIFY); 639.00 12" SE
IN-16	213+96	29.5' RT	INLET, TYPE A	TY 24 F&G	641.48 EP	639.18 12" NW
EX CB-12	213+99	28.8' LT	EX CATCH BASIN	TY 1 FR, CLUD	-	634.87 18" S (EX); 635.32 18" E (EX); 636.85 12" W
CB-17	213+98	40.5' LT	CATCH BASIN, TYPE C	TY 24 F&G	641.25 EP	637.40 12" E
EX CB-13	215+03	18.9' RT	EX CATCH BASIN	TY 1 FR, CLUD	-	638.41 12" NE (EX); 636.76 12" W (EX); 638.35 12" SE
IN-18	214+94	29.5' RT	INLET, TYPE A	TY 24 F&G	641.20 EP	638.57 12" NW
EX MH-4	215+45	28' LT	EX MANHOLE	EXISTING	-	633.08 10" NW (EX); 630.18 21" NE (EX); 631.98 42" N (EX); 629.38 42" S (EX); 636.92 12" S
CB-19	215+21	32' LT	CATCH BASIN, TYPE C	TY 24 F&G	640.83 EP	637.38 12" N
EX CB-15	216+46	23.5' LT	EX CATCH BASIN	TY 1 FR, CLUD	-	636.23 12" W (EX); 636.27 12" E (EX); 636.39 12" NW
CB-20	216+56	29.3' LT	CATCH BASIN, TYPE C	TY 24 F&G	640.95 EP	637.35 12" W; 637.00 12" SE
IN-1	216+57	35' LT	INLET, TYPE A	TY 8 GRATE	640.70 RIM	637.77 6" W (EX); 637.42 12" E
EX CB-16	216+45	19' RT	EX CATCH BASIN	TY 1 FR, CLUD	-	636.88 12" W (EX); 638.33 12" NE
IN-21	216+50	29.4' RT	INLET, TYPE A	TY 24 F&G	640.95 EP	639.00 12" SW



# PLEASANT LANE WAUKEGAN ROAD (IL-43)



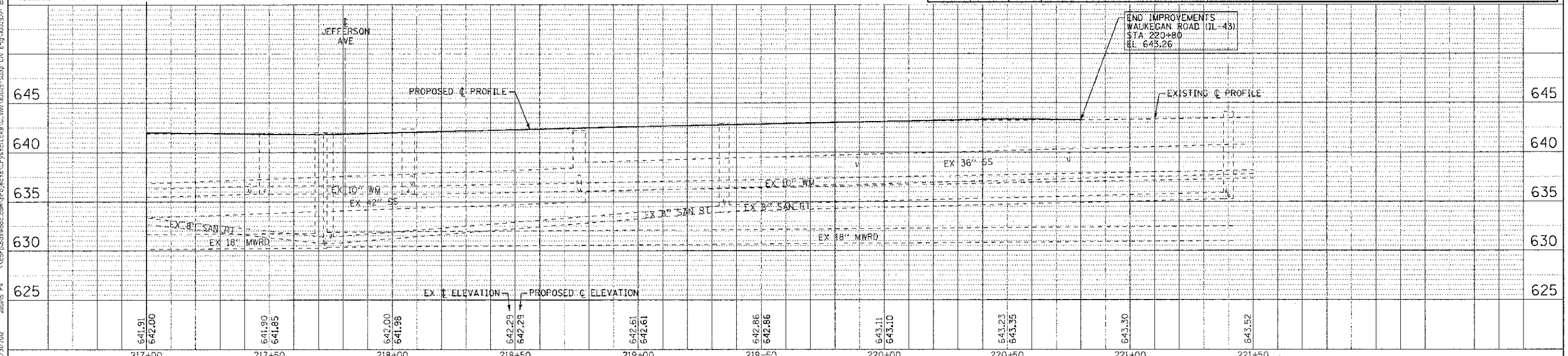


☐ WAUKEGAN ROAD (IL-43) STA 217+81  
☐ JEFFERSON AVENUE STA 20+00

STORM PIPES					
NO.	TYPE	LENGTH (LF)	DIA (IN)	SLOPE	TBF (CY)
P-24	SS, CLA, TYPE 1	7	12	2.00%	1.2
P-25	SS (WATER MAIN REQUIREMENTS)	7	12	4.00%	1.9
P-25A	SS, CLA, TYPE 1	16	12	2.00%	3.5
P-26	SS, CLA, TYPE 1	4	12	2.00%	0.6
P-27	SS, CLA, TYPE 1	13	12	4.00%	3.5

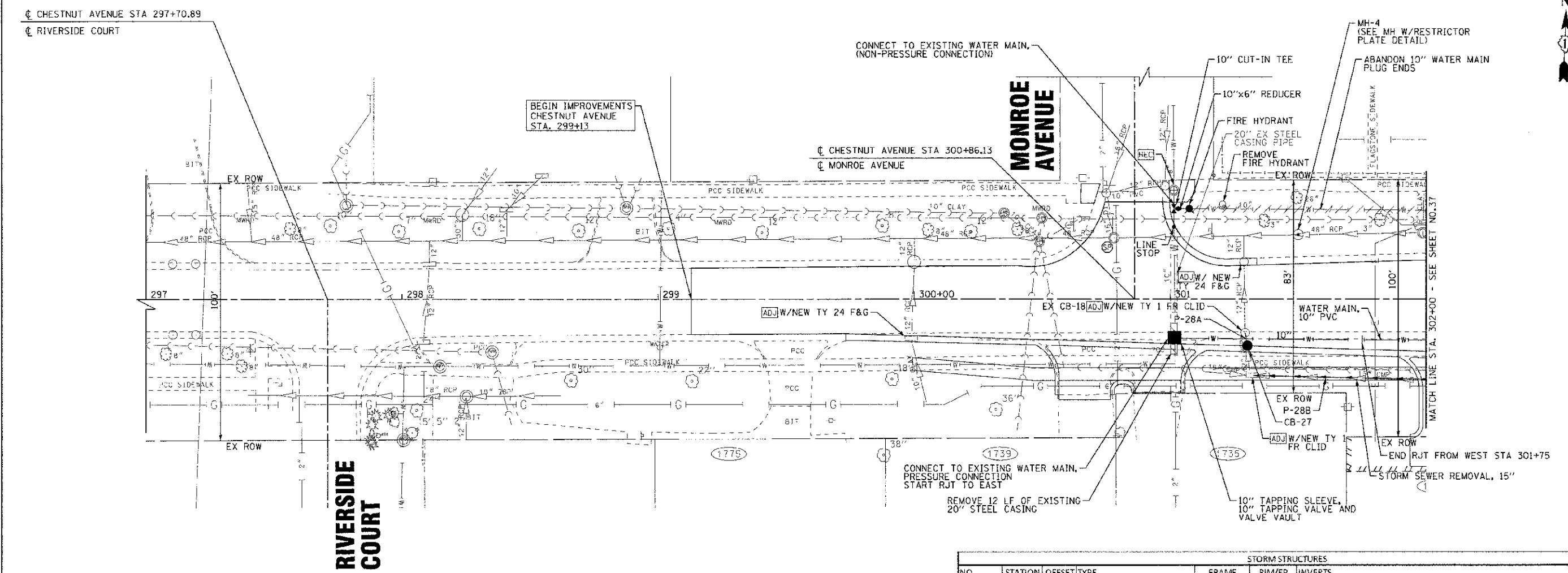
STORM STRUCTURES						
NO.	STATION	OFFSET	TYPE	FRAME	RIM/EP	INVERTS
EX CB-17B	217+77	19.8' RT	EX CATCH BASIN	TY 1 FR, CLID	-	637.54 12" SW (EX); 637.60 12" E
CB-22	217+74	26.4' RT	CATCH BASIN, TYPE C	TY 24 F&G	640.93 EP	637.74 12" W
EX CB-17A	217+43	22.7' LT	EX CATCH BASIN	TY 1 FR, CLID	-	637.20 12" NE (EX); 636.80 12" W (EX); 637.00 12" NW
CB-23A	217+54	35' LT	CATCH BASIN, TYPE C	TY 24 F&G	640.93 EP	637.32 12" SE
EX CB-17D	218+08	36.3' LT	EX CATCH BASIN	TY 1 FR, CLID	-	639.26 12" NW (EX); 635.76 12" E (EX); 638.00 12" SE
CB-23	218+03	31.5' LT	CATCH BASIN, TYPE C	TY 24 F&G	641.47 EP	638.28 12" NW
EX CB-17C	218+77	20.3' RT	EX CATCH BASIN	TY 1 FR, CLID	-	636.36 21" NE (EX); 636.26 21" NW (EX); 639.11 12" SE
IN-2	218+76	24' RT	INLET, TYPE A	TY 24 F&G	641.98 EP	639.19± 12" SE (EX); 639.19 12" NW
EX CB-17	218+87	21.9' LT	EX CATCH BASIN	TY 1 FR, CLID	-	635.47 24" W (EX); 635.47 21" SE (EX); 637.54 12" N
CB-25	219+00	23.2' LT	CATCH BASIN, TYPE C	TY 24 F&G	642.12 EP	638.06 12" S

# WAUKEGAN ROAD (IL-43)



	DESIGNED - DSH DRAWN - MAJ CHECKED - TLH DATE - 8/23/12	REVISED - 10-12-12 PER VILLAGE REVISED - REVISED - FILE - 10025-12-DU4.cht	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>DRAINAGE AND UTILITY</b> <b>WAUKEGAN ROAD (IL-43)</b>	F.A.P. # A.J.U. RTE. 0348/1352	SECTION 05-00160-00-CH	COUNTY COOK	TOTAL SHEETS 109	SHEET NO. 35	CONTRACT NO. 63756
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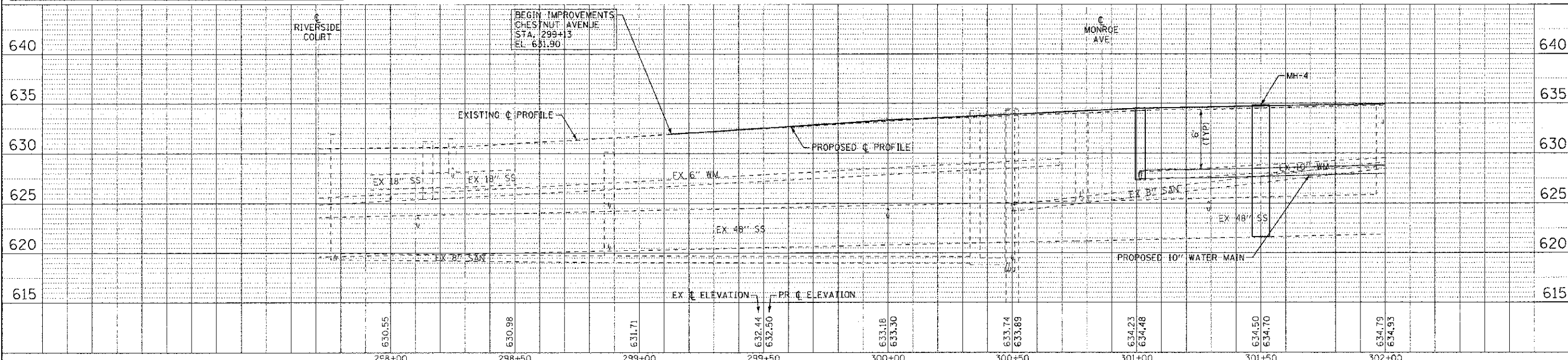
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 PROJECT: 10025-12-DU4  
 DATE: 8/23/12



STORM PIPES					
NO.	TYPE	LENGTH (LF)	DIA (IN)	SLOPE	TBF (CY)
P-28A	SS (WATER MAIN REQUIREMENTS)	5	12	2.00%	0.7
P-28B	SS, CL B, TYPE 1	75	15	EX	13.4

# CHESTNUT AVENUE

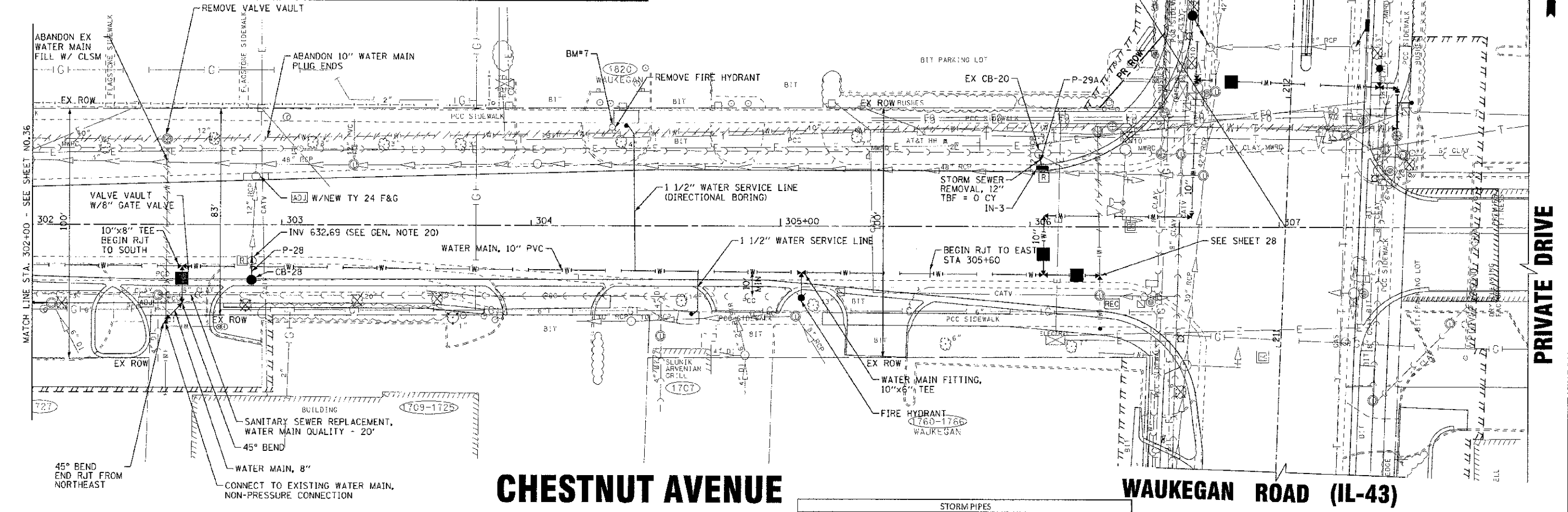
STORM STRUCTURES						
NO.	STATION	OFFSET	TYPE	FRAME	RIM/FP	INVERTS
EX CB-18	301+29	13.2' RT	EX CATCH BASIN	TY 1 FR, CLID	-	631.29 12" N (EX); 631.30 12" S
CB-27	301-30	18.3' RT	CATCH BASIN, TYPE C	TY 24 F&G	634.25 EP	631.65± 12" S (EX); 631.40 12" N
MH-4	301+50	25' LT	MANHOLE, TYPE A, 7'-DIA, RESTRICTOR PLATE	TY 1 FR, CLID	634.81 RIM	621.64 48" E & W (EX); RESTRICTOR 622.50 32"



	DESIGNED - DSH	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>DRAINAGE AND UTILITY</b> <b>CHESTNUT AVENUE</b>	F.A.P./F.A.U. RITE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - MAC	REVISED -			0348/1352	05-00160-00-CH	COOK	109	36
	CHECKED - TLH	REVISED -			C-91-070-06		CONTRACT NO. 63756		
	DATE - 8/23/12	FILE - 110025-12-Du5.sht			FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT F-0348(35)		

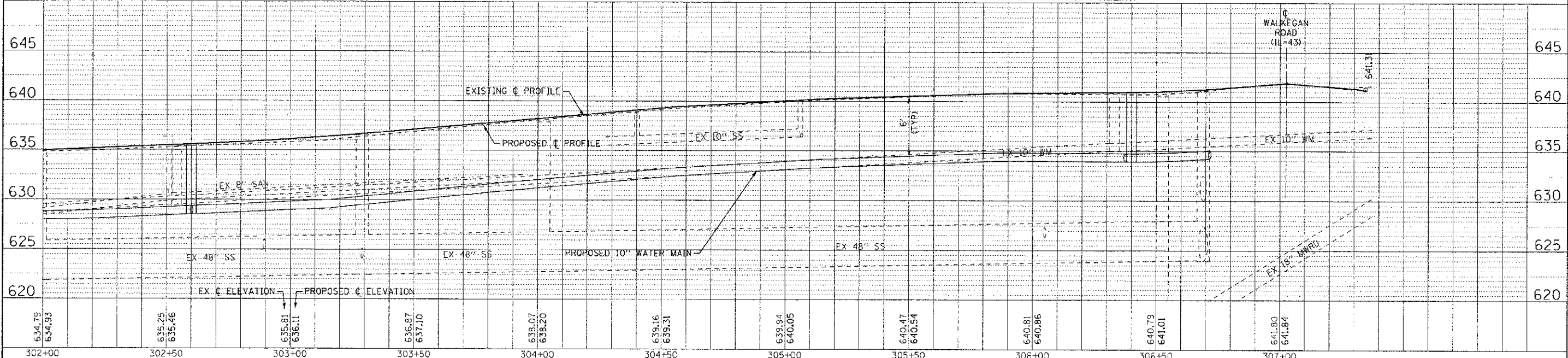
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STORM STRUCTURES						
NO.	STATION	OFFSET	TYPE	FRAME	RIM/EP	INVERTS
EX CB-19	302+88	14.4' RT	EX CATCH BASIN	TY 1 FR, CLUD	-	632.69 12" N (EX); 632.80 12" S
CB-28	302+88	22' RT	CATCH BASIN, TYPE C	TY 24 F&G	635.48 EP	632.87 12" N
EX CB-20	306+03	29' LT	EX CATCH BASIN	EXISTING	-	635.75 12" SE (EX); 637.30 12" S
IN-3	306+05	23.5' LT	INLET, TYPE A	TY 24 F&G	640.33 EP	637.50 12" N



# CHESTNUT AVENUE

STORM PIPES					
NO.	TYPE	LENGTH (LF)	DIA (IN)	SLOPE	TBF (CY)
P-28	SS (WATER MAIN REQUIREMENTS)	7	12	1.00%	1.3
P-29A	SS, CL, TYPE 1	5	12	4.00%	0.8



DESIGNED - DSH	REVISED - 10-12-12 PER VILLAGE
DRAWN - MAC	REVISED -
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DATE - 8/23/12	FILE - 110025-12-DUG.spl

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITY  
CHESTNUT AVENUE

SCALE: H: 1"=20' V: 1"=5' STA. 302+00 TO STA. 307+02.50

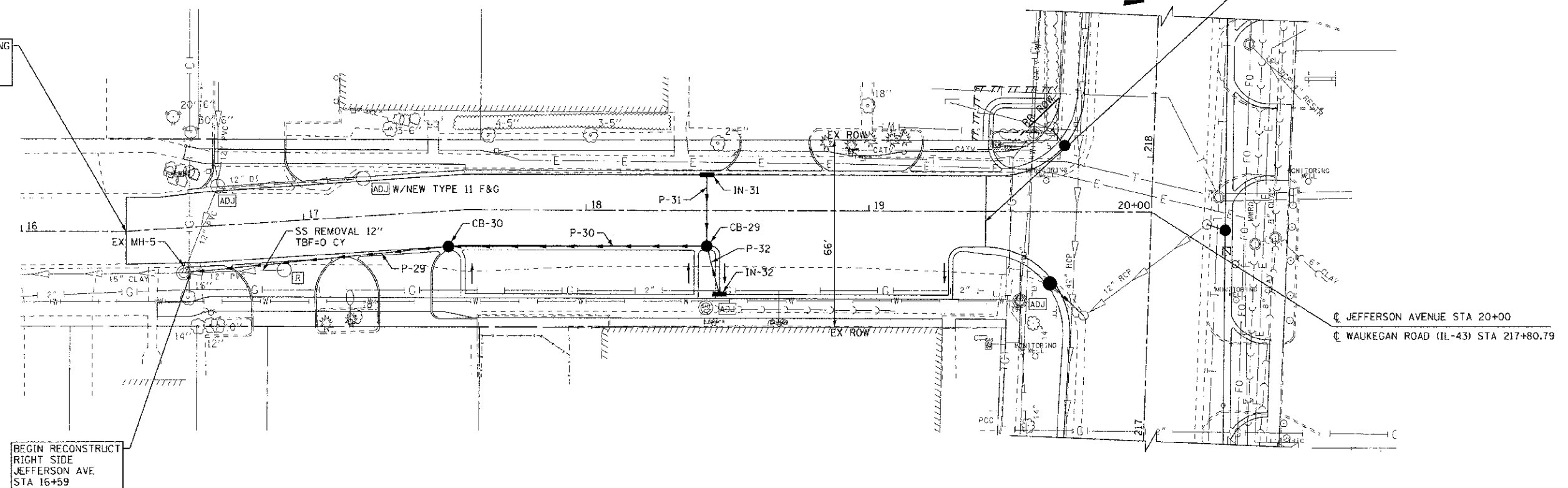
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0348/1352	05-00160-00-CH	COOK	109	37
C-91-070-06		CONTRACT NO. 63756		
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT F-0348(35)		

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 WWW.BAXTERANDWOODMAN.COM

STORM STRUCTURES						
NO.	STATION	OFFSET	TYPE	FRAME	RIM/EP	INVERTS
EX MH-5	16+56	15.9' RT	EX MANHOLE	EXISTING	-	632.87 12" N (EX); 632.87 12" W (EX); 634.87 12" E
CB-29	18+43	12.5' RT	CATCH BASIN, TYPE A, 4' DIA	TY 11 F&G	640.66 EP	636.55 12" N; 637.30 12" S; 635.35 12" W
CB-30	17+50	12.5' RT	CATCH BASIN, TYPE C	TY 11 F&G	639.70 EP	635.90 12" E; 635.80 12" W
IN-31	18+43	12.5' LT	INLET, TYPE A	TY 11 F&G	640.32 EP	637.30 12" S
IN-32	18+47	29.5' RT	INLET, TYPE A	TY 11 F&G	640.53 EP	638.15 12" N

STORM PIPES					
NO.	TYPE	LENGTH (LF)	DIA (IN)	SLOPE	TBF (CY)
P-29	SS, CL B, TYPE 1	94	12	1.00%	26.2
P-30	SS, CL B, TYPE 1	91	12	0.50%	24.4
P-31	SS, CL B, TYPE 1	25	12	3.00%	5.4
P-32	SS, CL B, TYPE 1	17	12	5.00%	4.7

BEGIN NON-PARTICIPATING IMPROVEMENTS JEFFERSON AVENUE STA. 16+37

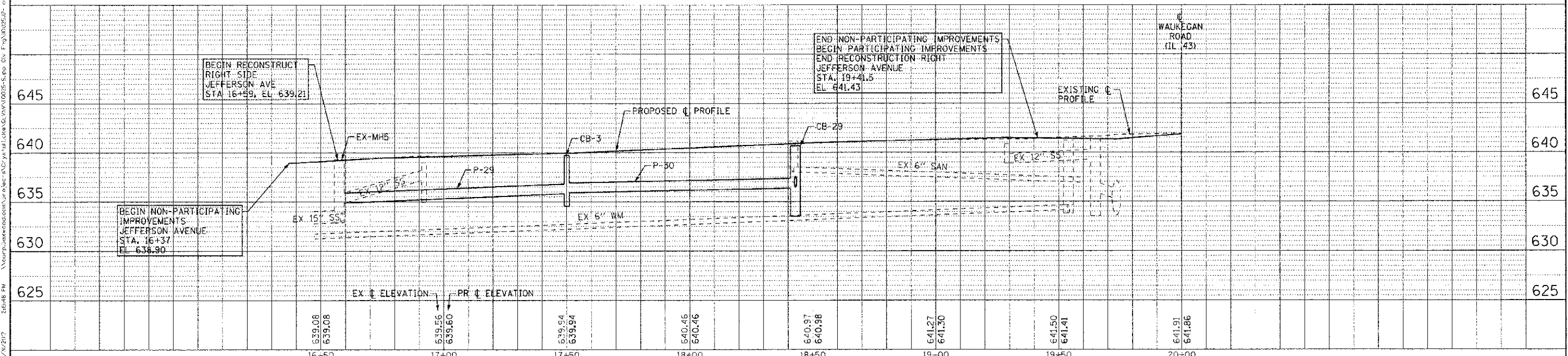


BEGIN RECONSTRUCT RIGHT SIDE JEFFERSON AVE STA 16+59

END NON-PARTICIPATING IMPROVEMENTS  
BEGIN PARTICIPATING IMPROVEMENTS  
END RECONSTRUCTION RIGHT  
JEFFERSON AVENUE  
STA. 19+41.5

JEFFERSON AVENUE STA 20+00  
WAUKEGAN ROAD (IL-43) STA 217+80.79

# JEFFERSON AVENUE



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 STATE OF ILLINOIS PROFESSIONAL ENGINEER  
 0348/1352 05 00160-00 CH 109 38  
 12/12/12



DESIGNED - DSH	REVISED - 10-12-12 PER VILLAGE
DRAWN - MAC	REVISED -
CHECKED - TLH	REVISED -
DATE - 8/23/12	FILE - 110025-12-DU7.shx

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITY  
JEFFERSON AVENUE

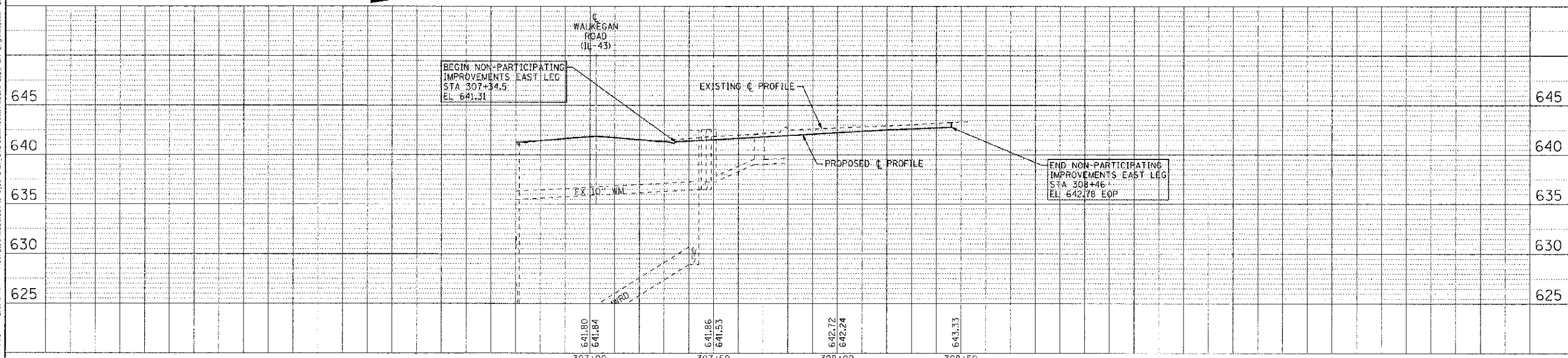
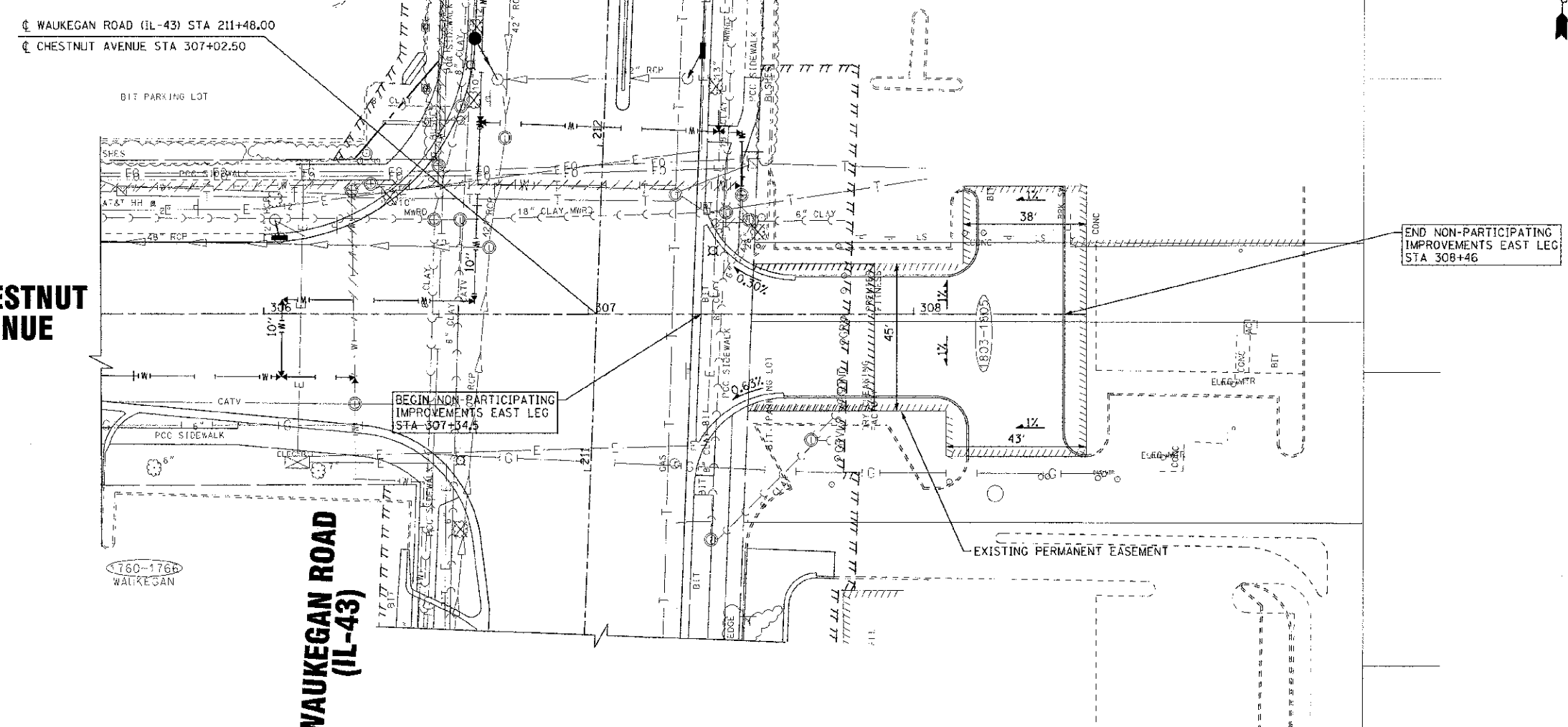
SCALE: H: 1"=20' V: 1"=5' STA. 16+59 TO STA. 19+41.5

F.A.P./F.A.U. R.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0348/1352	05 00160-00 CH	COOK	109	38
C-91-070-06		CONTRACT NO. 63756		
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT F-03481351		



**CHESTNUT AVENUE**

**WAUKEGAN ROAD (IL-43)**



2010 BY BAKER & BROWN, INC. ... STATE OF ILLINOIS ... PROFESSIONAL DESIGN FIRM ... LICENSE NO. ... EXPIRES ...

DESIGNED - OSH	REVISED - 10-12-12 PER VILLAGE
DRAWN - MAC	REVISED
CHECKED - TLH	REVISED
DATE - 8/23/12	FILE - 110025-12-DU8.sht

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**DRAINAGE AND UTILITY PLAN**  
**EAST LEG**  
**PERMIT PROJECT REF. NO. 016-53065**  
 SCALE: H: 1"=20' V: 1"=5'      STA. 307+02.50 TO STA. 308+53

F.A.P./F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0348/1352	05-00160-00-CH	COOK	109	39
C-91-070-06		CONTRACT NO. 63756		
FED. ROAD DIST. NO. 1 (ILLINOIS)		FED. AID PROJECT F-0348(35)		



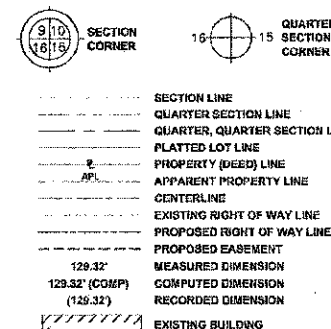
PART OF SECTION 26, TOWNSHIP 42 NORTH, RANGE 12 EAST OF THIRD PRINCIPAL MERIDIAN, IN COOK COUNTY, ILLINOIS

LEGEND

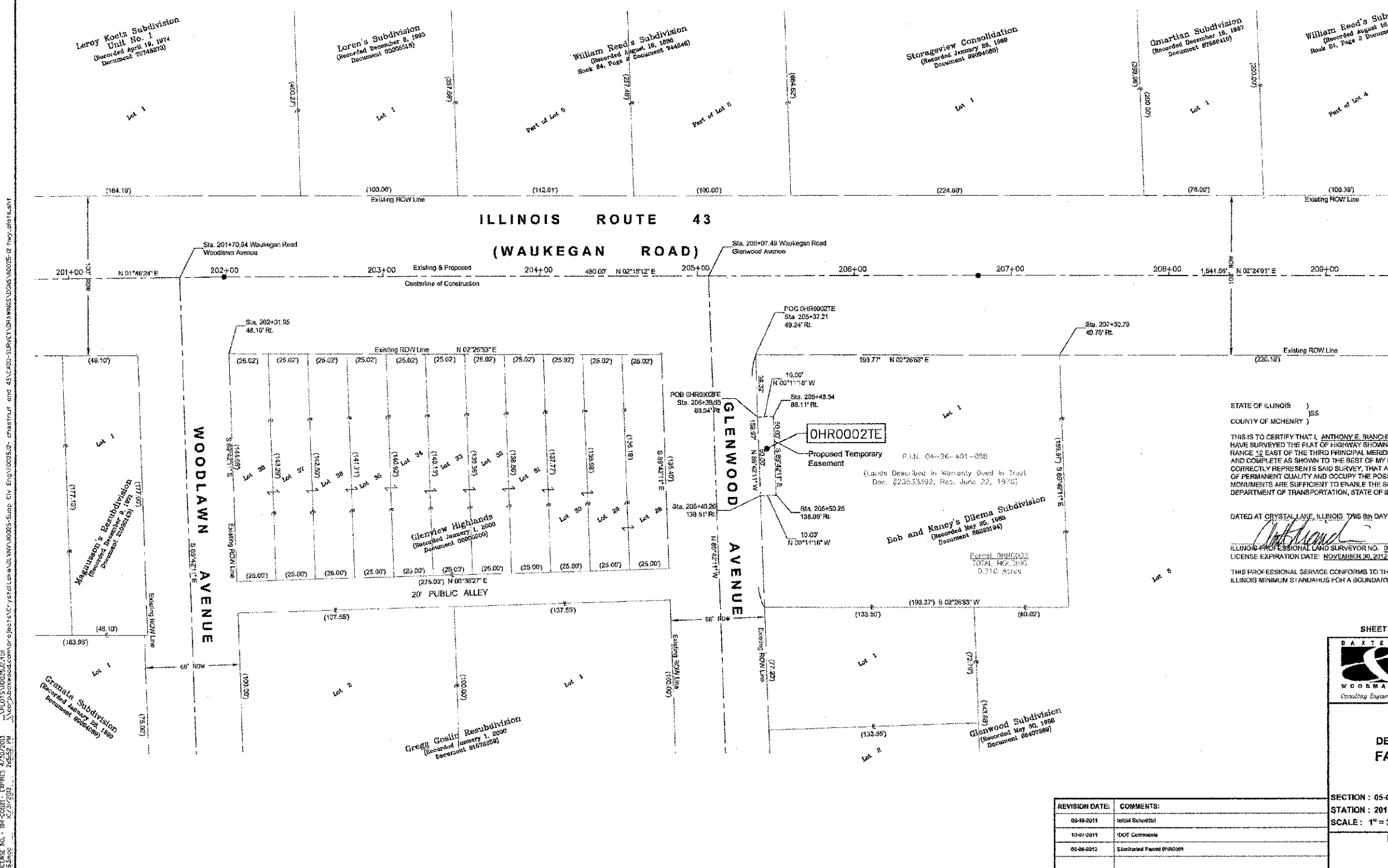
Basis of Bearings:  
Bearings are referenced to Illinois Coordinate System, NAD 83 East Zone



PARCEL NO.	OWNER	TOTAL HOLDING ACRES	PART TAKEN ACRES	REMAINDER ACRES	PREV. DED. ACRES	EASEMENT ACRES	EASEMENT PURPOSE	PERMANENT TAX INDEX NUMBER	PROPERTY ACQUIRED BY
OHR0002TE	Cole Taylor Bank as successor to Glenview State Bank as Trustee, Trust No. 1220	0.710	N/A	0.710	N/A	0.011 500 S.F.	GRADING & DRIVEWAY CONSTRUCTION	04-26-401-058	



- IRON PIPE OR ROD FOUND
- + CUT CROSS FOUND OR SET
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYOR'S REGISTRATION NUMBER.
- BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYOR'S REGISTRATION NUMBER.
- BT2 BURNED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE.
- BT5 IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYOR'S REGISTRATION NUMBER.
- ≡ STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYOR'S REGISTRATION NUMBER.
- ≡ STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURNED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYOR'S REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2136 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET



See Sheet 3

STATE OF ILLINOIS )  
COUNTY OF MICHENRY )

THIS IS TO CERTIFY THAT I, ANTHONY E. BLANCHI, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAY SHOWN HEREON IN SECTION 26, TOWNSHIP 42 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT CRYSTAL LAKE, ILLINOIS THIS 08th DAY OF FEBRUARY, 2012 A.D.

*Anthony E. Blanchi*  
ANTHONY E. BLANCHI  
PROFESSIONAL  
LAND SURVEYOR  
STATE OF  
ILLINOIS  
LICENSE EXPIRATION DATE: NOVEMBER 30, 2012

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

"LICENSE EXPIRES 11-30-2012"

SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

**BAXTER**  
**WOODMAN**  
Consulting Engineers

*Baxter & Woodman*  
864 HICKORY HILL ROAD • CRYSTAL LAKE, IL 60912  
PHONE: 815-459-1280 • FAX: 815-455-0440

**PLAT OF HIGHWAYS**  
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**  
**FAP 348 ILLINOIS ROUTE 43**  
**(WAUKEGAN ROAD)**  
AT FAU 1352 (Chestnut Avenue)  
SECTION : 05-00160-00-CH JOB NO. : R-99-021-11  
STATION : 201+00 TO STATION : 209+00  
SCALE : 1" = 30' SHEET 2 OF 5

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

REVISION DATE:	COMMENTS:
08-18-0911	Initial Submittal
10-07-2011	180T Comments
02-08-0912	Eliminated Parcel OHR0001

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PART OF SECTION 26, TOWNSHIP 42 NORTH, RANGE 12 EAST OF THIRD PRINCIPAL MERIDIAN, IN COOK COUNTY, ILLINOIS

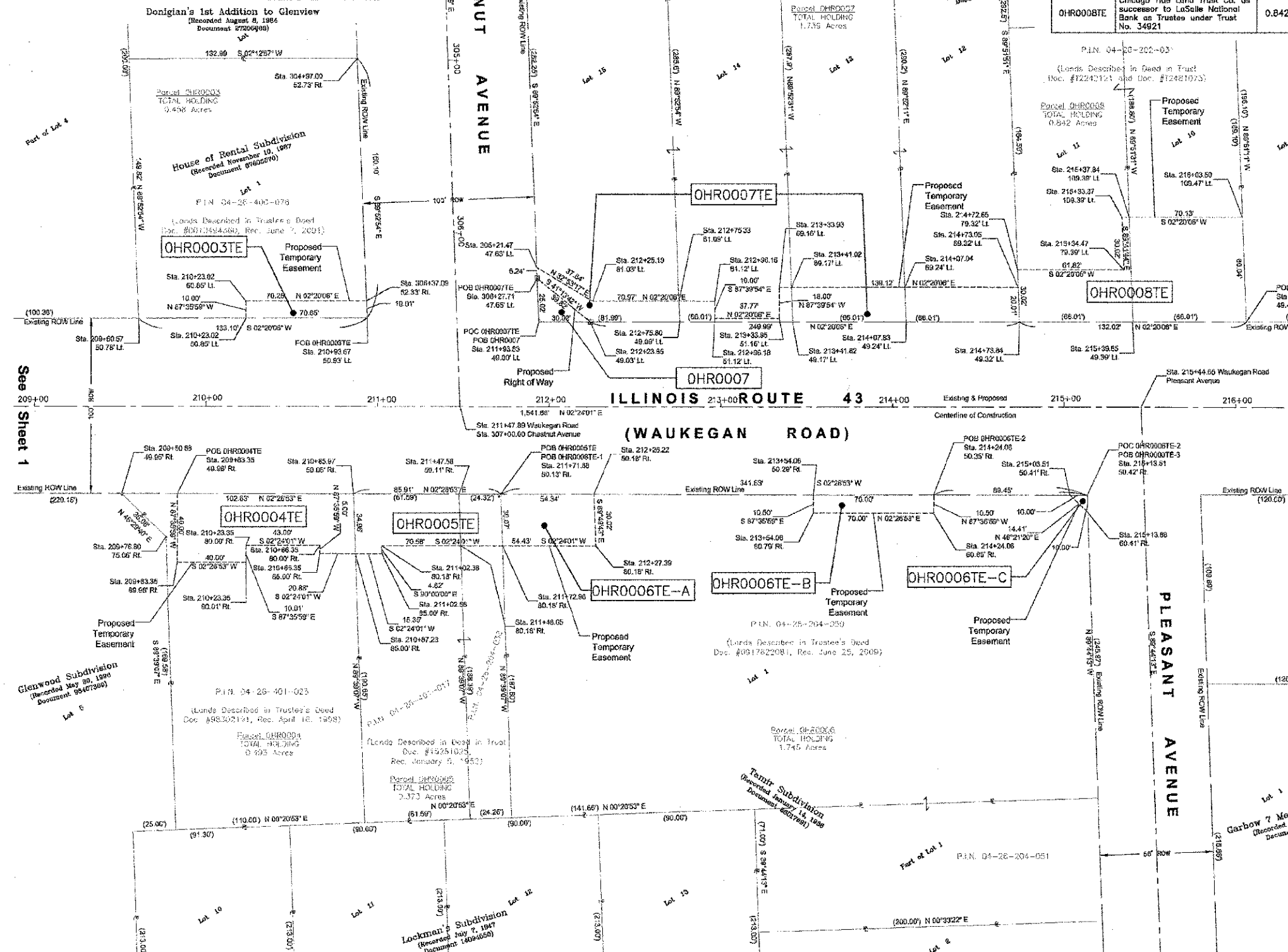
STATE OF ILLINOIS )  
COUNTY OF COCHENRY )

THIS IS TO CERTIFY THAT I, ANTHONY E. BIANCHINI, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAY SHOWN HEREON IN SECTION 26, TOWNSHIP 42 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THIS SURVEY TO BE REPRODUCED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT CRYSTAL LAKE, ILLINOIS THIS 9th DAY OF FEBRUARY, 2012 A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003603  
LICENSE EXPIRES: NOVEMBER 30, 2012

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.



PARCEL NO.	OWNER	TOTAL HOLDING ACRES	PART TAKEN ACRES	REMAINDER ACRES	PREV. DEED ACRES	EASEMENT ACRES	EASEMENT PURPOSE	PERMANENT TAX INDEX NUMBER	PROPERTY ACQUIRED BY
OHR0003TE	Randolph G. Wright as Trustee of the Randolph G. Wright Declaration of Trust dated June 24, 1998	0.458	N/A	0.458	N/A	0.016 (705 S.F.)	GRADING & DRIVEWAY CONSTRUCTION	04-26-400-076	
OHR0004TE	Glenview Drumsticks, L.L.C., an Illinois Limited Liability Company	0.493	N/A	0.493	N/A	0.063	GRADING & DRIVEWAY CONSTRUCTION	04-26-401-023	
OHR0005TE	Chicago Title Land Trust Co. as successor to Chicago Title & Trust Co. as Trustee under Trust No. 35281	0.373	N/A	0.373	N/A	0.061	GRADING & DRIVEWAY CONSTRUCTION	04-26-401-017 04-26-204-038	
OHR0006TE-A OHR0006TE-B OHR0006TE-C	Chestnut Court, L.L.C., an Illinois Limited Liability Company	1.745	N/A	1.745	N/A	0.037 (735 S.F.) 0.001 (50 S.F.)	GRADING & DRIVEWAY CONSTRUCTION	04-26-204-050 04-26-204-051	
OHR0007 OHR0007TE	C & F Properties, L.L.C.	1.739	0.009 (375 S.F.)	1.730	N/A	0.092	GRADING & DRIVEWAY CONSTRUCTION	04-26-202-015 04-26-202-016 04-26-202-017 04-26-202-018	
OHR0008TE	Chicago Title Land Trust Co. as successor to LaSalle National Bank as Trustee under Trust No. 34921	0.842	N/A	0.842	N/A	0.139	GRADING & DRIVEWAY CONSTRUCTION	04-26-202-030 04-26-202-031	

**LEGEND**

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

**Basis of Bearings:**  
Bearings are referenced to Illinois Coordinate System, NAD 83 East Zone

- IRON PIPE OR ROD FOUND
- CUT CROSS FOUND OR SET
- THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYOR'S REGISTRATION NUMBER.
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- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYOR'S REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYOR'S REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

REVISION DATE	COMMENTS
08-19-2011	Initial Submittal
10-07-2011	IDOT Comments
02-08-2012	Revised Parcel OHR0007 & OHR0007TE

**BAXTER**  
WOODMAN  
Consulting Engineers

*Baxter & Woodman*  
5678 RIVERVIEW ROAD • CRYSTAL LAKE, IL 60012  
PHONE: 815-435-1200 • FAX: 815-435-0500

**PLAT OF HIGHWAYS**  
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
FAP 348 ILLINOIS ROUTE 43  
(WAUKEGAN ROAD)  
AT FAU 1352 (Chestnut Avenue)  
SECTION : 05-00160-00-CH JOB NO. : R-90-021-11  
STATION : 209+00 TO STATION : 216+50  
SCALE : 1" = 30' SHEET 3 OF 5

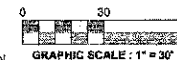
BUREAU OF LAND ACQUISITION  
201 WEST CENTER COURT  
SCHAUMBURG, ILLINOIS 60196

EXHIBIT - 2012 BY BAXTER & WOODMAN, INC.  
 STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM  
 LICENSE NO. - 035-003603 - EXPIRES - 11/30/2012  
 PROJECT NO. - 2012-02-001  
 PROJECT NAME - State of Illinois - Crystal Lake  
 PROJECT ADDRESS - 5678 Riverview Road, Crystal Lake, IL 60012  
 PROJECT PHONE - 815-435-1200  
 PROJECT FAX - 815-435-0500  
 PROJECT EMAIL - baxter@baxterwoodman.com  
 PROJECT WEBSITE - www.baxterwoodman.com

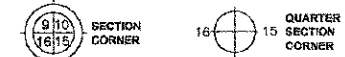
PART OF SECTION 26, TOWNSHIP 42 NORTH, RANGE 12 EAST OF THIRD PRINCIPAL MERIDIAN, IN COOK COUNTY, ILLINOIS

LEGEND

Base of Bearings:  
Bearings are referenced to Illinois Coordinate System, NAD 83 East Zone

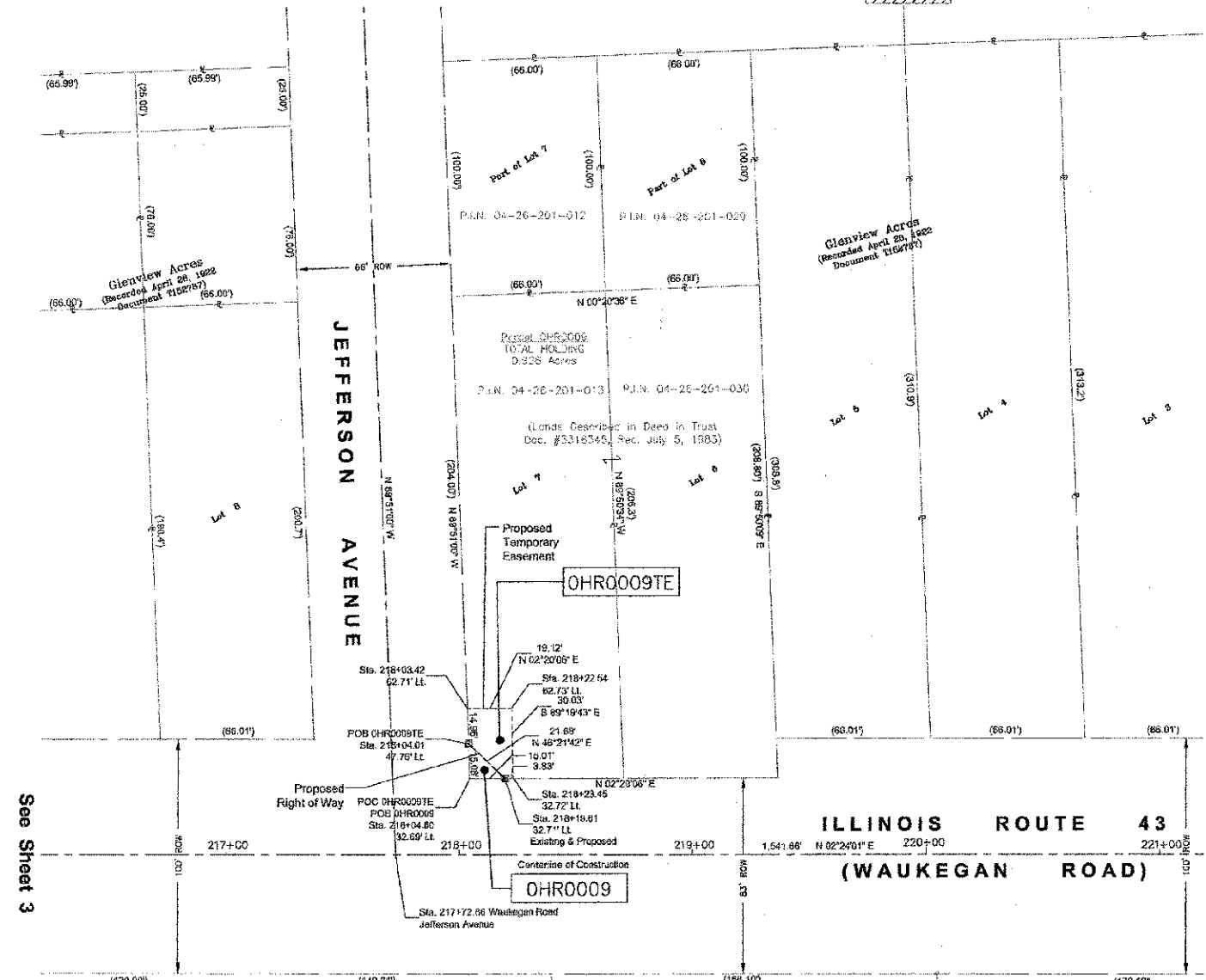


PARCEL NO.	OWNER	TOTAL HOLDING ACRES	PART TAKEN ACRES	REMAINDER ACRES	PREV. DED. ACRES	EASEMENT ACRES	EASEMENT PURPOSE	PERMANENT TAX INDEX NUMBER	PROPERTY ACQUIRED BY
OHR0009 OHR0009TE	Chicago Land Title Trust as successor to Northbrook Trust & Savings Bank as Trustee, Trust No. LT-2894	0.928	0.003 113 S.F.	0.925	N/A	0.010 457 S.F.	GRADING & DRIVEWAY CONSTRUCTION	04-26-201-012 04-26-201-013 04-26-201-029 04-26-201-030	



- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APPROXIMATE PROPERTY LINE
- CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORDED DIMENSION
- EXISTING BUILDING

- IRON PIPE OR ROD FOUND
- ⊕ CUT CROSS FOUND OR SET
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYOR'S REGISTRATION NUMBER.
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- ⊕ STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYOR'S REGISTRATION NUMBER.
- ⊕ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET



STATE OF ILLINOIS )  
COUNTY OF MCHENRY )

THIS IS TO CERTIFY THAT I, ANTHONY E. BIANCHINI, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAY SHOWN HEREON IN SECTION 26, TOWNSHIP 42 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RE-TRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT CRYSTAL LAKE, ILLINOIS, THIS 8th DAY OF FEBRUARY, 2012 A.D.

*Anthony E. Bianchini*  
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 025-093803  
LICENSE EXPIRATION DATE: NOVEMBER 30, 2012



THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

LICENSE EXPIRES 11-30-2012

SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

REVISION DATE:	COMMENTS:
06-10-2011	Initial Submittal
10-07-2011	DOT Comments
02-06-2012	Revised Parcel (OHR0009 & OHR0009TE)

**BAXTER**  
**WOODMAN**  
Surveying Engineers

**Baxter & Woodman**  
647 REDGIFIELD ROAD • CRYSTAL LAKE, IL 60155  
PHONE 815-439-1200 • FAX 815-435-0490

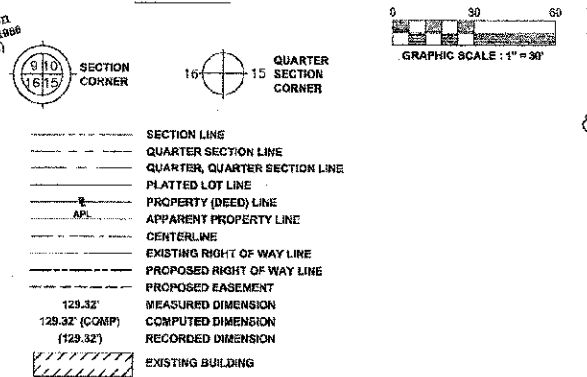
**PLAT OF HIGHWAYS**  
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**  
**FAP 348 ILLINOIS ROUTE 43**  
**(WAUKEGAN ROAD)**  
AT FAU 1352 (Chestnut Avenue)  
SECTION : 05-00160-00-CH JOB NO. : R-90-021-11  
STATION : 216+50 TO STATION : 221+00  
SCALE : 1" = 30' SHEET 4 OF 5

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

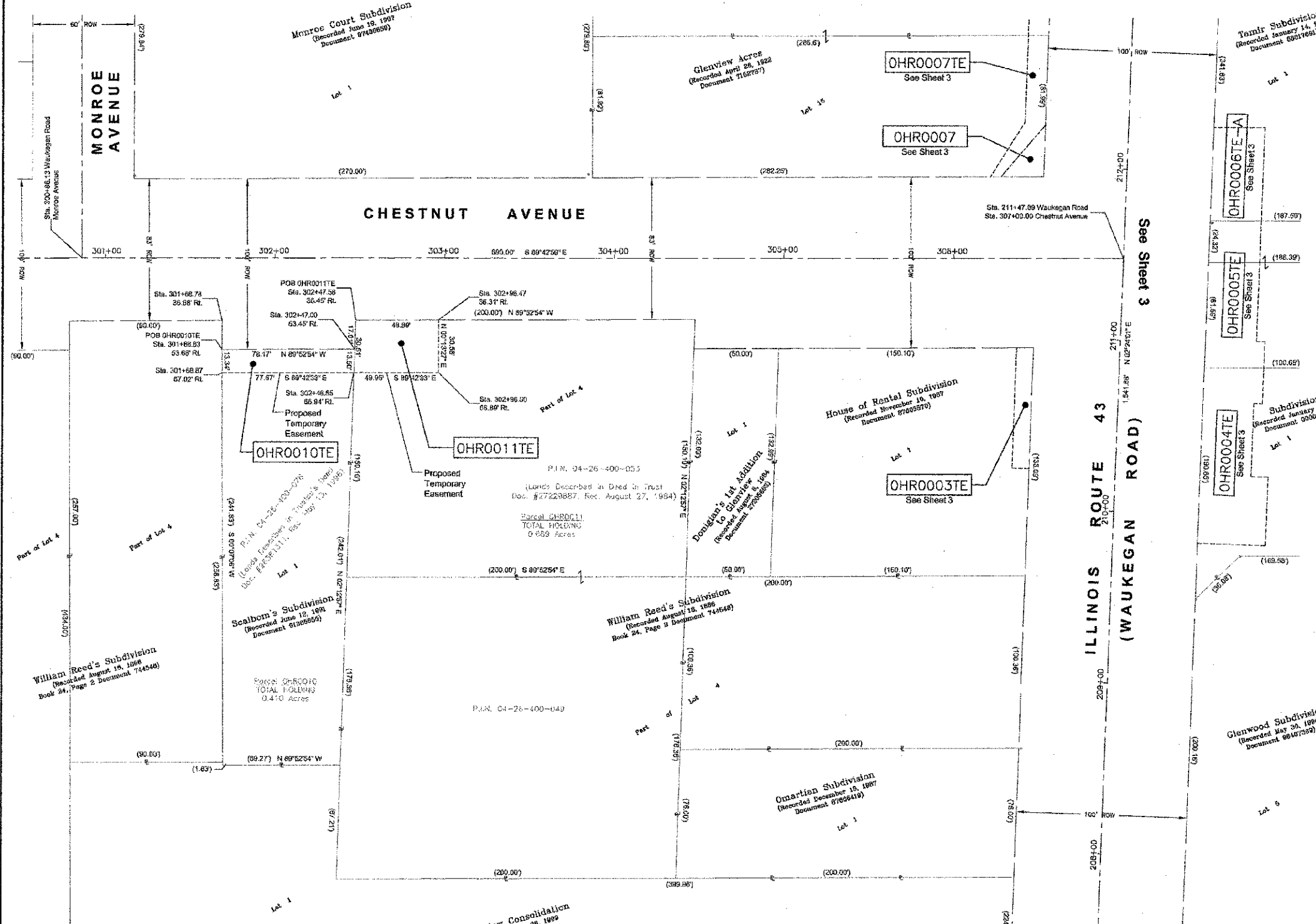
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 02/10/2012 10:00:00 AM

PART OF SECTION 26, TOWNSHIP 42 NORTH, RANGE 12 EAST OF THIRD PRINCIPAL MERIDIAN, IN COOK COUNTY, ILLINOIS

LEGEND



- Basis of Bearings:  
Bearings are referenced to Illinois Coordinate System, NAD 83 East Zone
- IRON PIPE OR ROD FOUND
  - ⊕ "MAG" NAIL SET
  - + CUT CROSS FOUND OR SET
  - 5/8" REBAR SET
  - T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYOR'S REGISTRATION NUMBER.
  - T2
  - T3
  - BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYOR'S REGISTRATION NUMBER.
  - BT2
  - BT3
  - STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYOR'S REGISTRATION NUMBER.
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  - PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
  - RIGHT OF WAY STAKING PROPOSED TO BE SET



PARCEL NO.	OWNER	TOTAL HOLDING ACRES	PART TAKEN ACRES	REMAINDER ACRES	PREV. DED. ACRES	EASEMENT ACRES	EASEMENT PURPOSE	PERMANENT TAX INDEX NUMBER	PROPERTY ACQUIRED BY
OHR0010TE	Chicago Title Land Trust Company as successor to Grant National Bank as Trustee, Trust No. 0991189	0.410	N/A	0.410	N/A	0.024	GRADING & DRIVEWAY CONSTRUCTION	04-26-400-078	
OHR0011TE	Chicago Title Land Trust Company as successor to LaSalle Bank as Trustee, Trust No. 28-1820-00, successor to Northwest National Bank of Chicago as Trustee, Trust No. 1820	0.689	N/A	0.689	N/A	0.035	GRADING & DRIVEWAY CONSTRUCTION	04-26-400-049 04-26-400-053	

STATE OF ILLINOIS )  
COUNTY OF MCHENRY )

THIS IS TO CERTIFY THAT I, ANTHONY E. BIANCHINI, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAY SHOWN HEREON IN SECTION 26, TOWNSHIP 42 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT CRYSTAL LAKE, ILLINOIS, THIS 7th DAY OF OCTOBER, 2011 A.D.

*Anthony E. Bianchini*  
035-003603  
PROFESSIONAL LAND SURVEYOR  
STATE OF ILLINOIS  
CRYSTAL LAKE, ILLINOIS

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003603  
LICENSE EXPIRATION DATE: NOVEMBER 30, 2012

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

"LICENSE EXPIRES 11-30-2012"

REVISION DATE:	COMMENTS:
06-19-2011	Initial Submittal
10-07-2011	ISOT Comments

SHHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

**BAXTER & WOODMAN**  
Consulting Engineers

Baxter & Woodman  
8678 RIDGEFIELD ROAD • CRYSTAL LAKE, IL 60012  
PHONE: 815-499-1200 • FAX: 815-455-0450

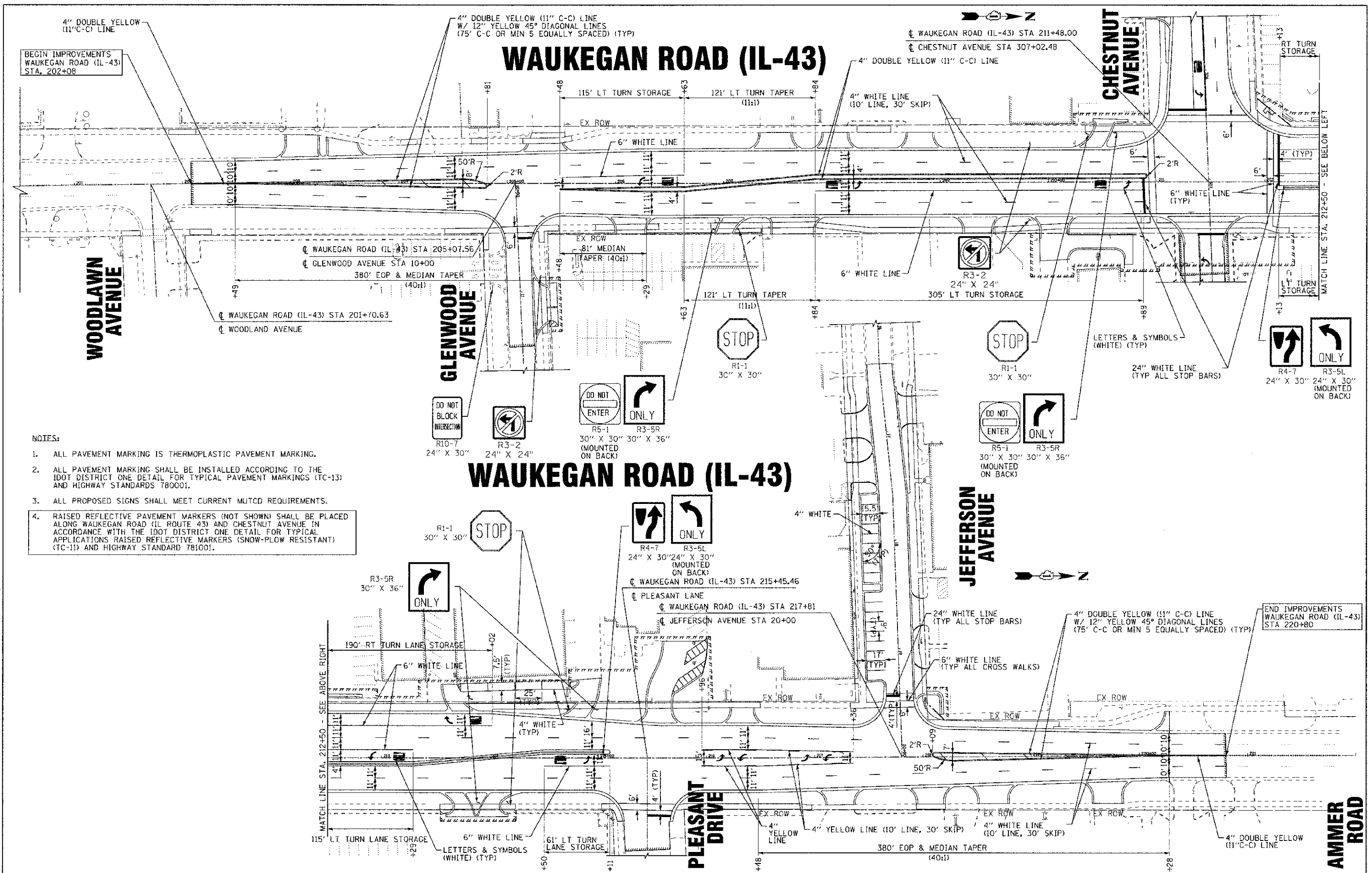
**PLAT OF HIGHWAYS**  
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
FAP 348 ILLINOIS ROUTE 43  
(WAUKEGAN ROAD)  
AT FAU 1352 (Chestnut Avenue)  
SECTION: 05-00160-00-CH JOB NO.: R-00-021-11  
STATION: 300+50 TO STATION: 307+00  
SCALE: 1" = 30' SHEET 5 OF 5

**BUREAU OF LAND ACQUISITION**  
201 WEST CENTER COURT  
SCHAMBURG, ILLINOIS 60196

CONTRACT NO. 63756 TOTAL SHEETS 109 SHEET NO. 43

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 LICENSE NO. 035-003603  
 EXPIRES 11/30/2012  
 07/27/2012 2:15 PM

03/12/12 BY: BANTER & WOODMAN, INC. ...  
 STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM  
 LICENSE NO. 114-00123 - EXP. 03/31/2015  
 PROJECT NO. 03-00160-00-CH-109-44  
 SHEET NO. 109-44



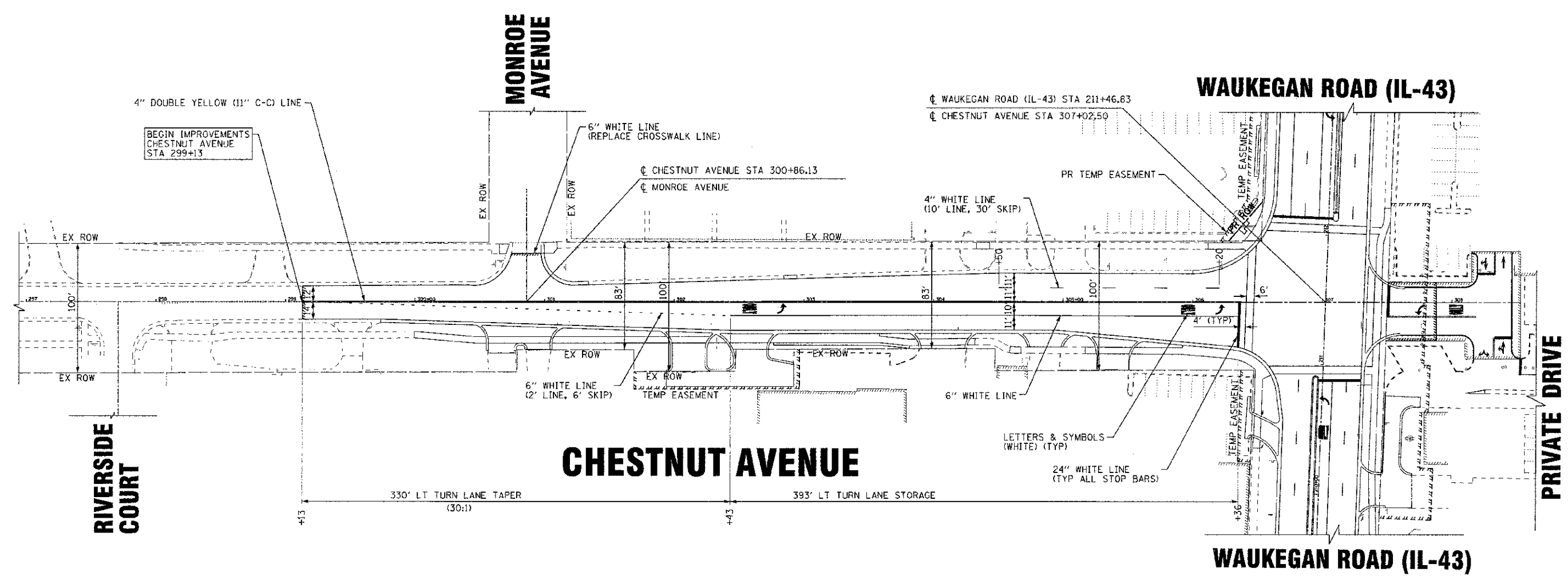
- NOTES:**
- ALL PAVEMENT MARKING IS THERMOPLASTIC PAVEMENT MARKING.
  - ALL PAVEMENT MARKING SHALL BE INSTALLED ACCORDING TO THE IDOT DISTRICT ONE DETAIL FOR TYPICAL PAVEMENT MARKINGS (TC-13) AND HIGHWAY STANDARDS 780001.
  - ALL PROPOSED SIGNS SHALL MEET CURRENT MUTCD REQUIREMENTS.
  - RAISED REFLECTIVE PAVEMENT MARKERS (NOT SHOWN) SHALL BE PLACED ALONG WAUKEGAN ROAD (IL ROUTE 43) AND CHESTNUT AVENUE IN ACCORDANCE WITH THE IDOT DISTRICT ONE DETAIL FOR TYPICAL APPLICATIONS RAISED REFLECTIVE MARKERS (SNOW-PLOW RESISTANT) (TC-11) AND HIGHWAY STANDARD 781001.

DESIGNED - DSH	REVISED - 10-12-12 PER IDOT
DRAWN - MAC	REVISED -
CHECKED - TLH	REVISED -
DATE - 8/23/12	FILE - 110025-12-PM1.sht

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**PAVEMENT MARKING AND SIGNING PLAN**  
**WAUKEGAN ROAD (IL-43) AND JEFFERSON AVENUE**  
 SCALE: 1" = 40'

F.A.P./F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0348/1352	03-00160-00-CH	COOK	109	44
C-91-070-06		CONTRACT NO. 63756		
FED. ROAD DIST. NO. 1 (ILLINOIS)		FED. AID PROJECT F-0348(36)		



BEGIN IMPROVEMENTS  
CHESTNUT AVENUE  
STA 299+13

- NOTES:**
- ALL PAVEMENT MARKING IS THERMOPLASTIC PAVEMENT MARKING.
  - ALL PAVEMENT MARKING SHALL BE INSTALLED ACCORDING TO THE IDOT DISTRICT ONE DETAIL FOR TYPICAL PAVEMENT MARKINGS (TC-13) AND HIGHWAY STANDARDS 780001.
  - ALL PROPOSED SIGNS SHALL MEET CURRENT MUTCD REQUIREMENTS.
  - RAISED REFLECTIVE PAVEMENT MARKERS (NOT SHOWN) SHALL BE PLACED ALONG WAUKEGAN ROAD (IL ROUTE 43) AND CHESTNUT AVENUE IN ACCORDANCE WITH THE IDOT DISTRICT ONE DETAIL FOR TYPICAL APPLICATIONS RAISED REFLECTIVE MARKERS (SNOW-PLOW RESISTANT) (TC-11) AND HIGHWAY STANDARD 781001.

CONTRACT NO. 0348 BY BAXTER & WOODMAN, INC. ...  
 DRAWN BY: J. BAXTER, J. WOODMAN, INC. ...  
 CHECKED BY: J. BAXTER, J. WOODMAN, INC. ...  
 DATE: 8/23/12



DESIGNED - DSH	REVISED - 10-12-12 PER IDOT
DRAWN - MAC	REVISED -
CHECKED - TLH	REVISED -
DATE - 8/23/12	FILE - 110025-12 PM2.sh+

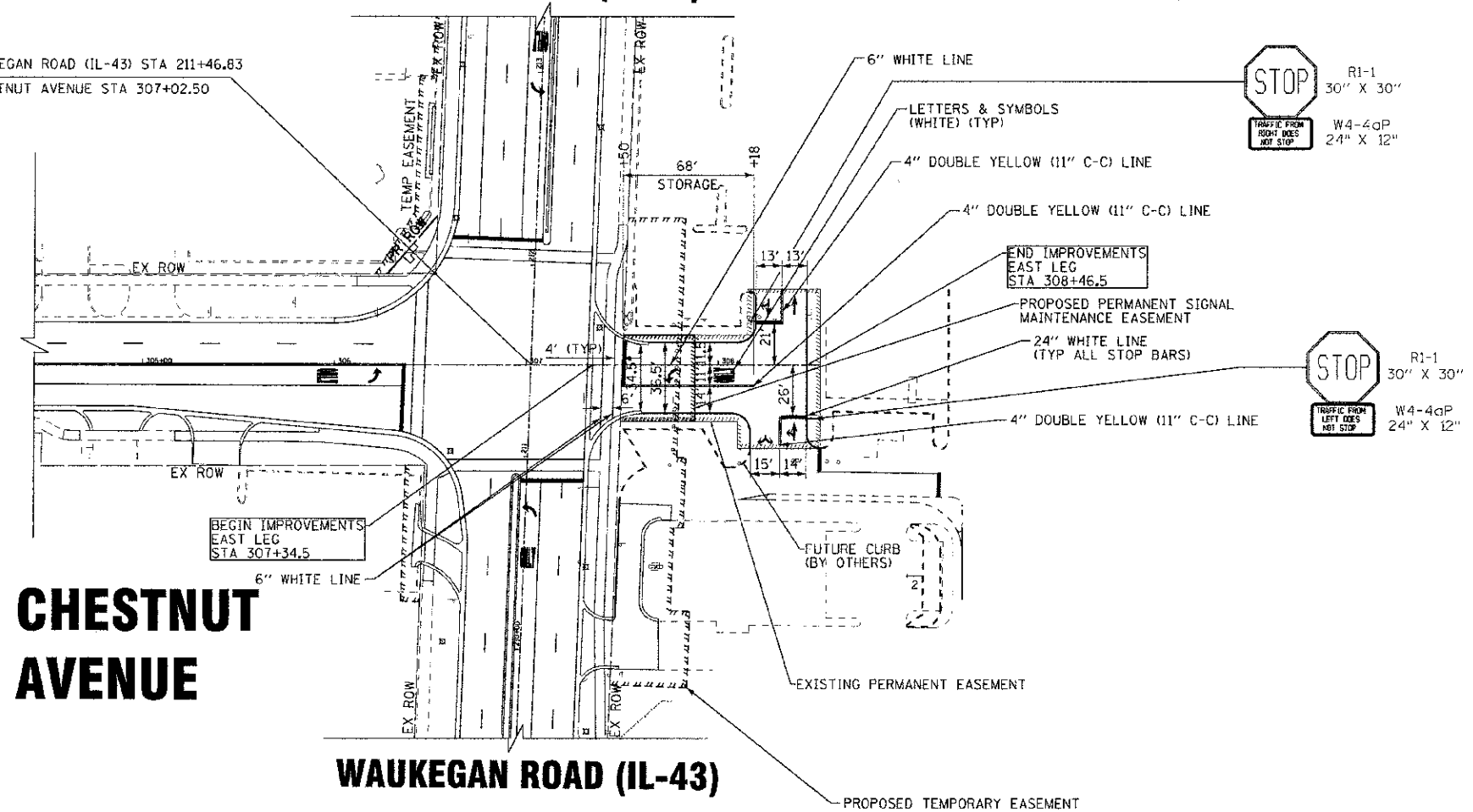
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>PAVEMENT MARKING AND SIGNING PLAN CHESTNUT AVENUE</b>	
SCALE: 1"=40'	STA. 302+00 TO STA. 307+02.50

F.A.P./F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0348/1352	05-00160-00-CH	COOK	109	45
C-91-070-06		CONTRACT NO. 63756		
FED. ROAD DIST. NO. 1 (ILLINOIS)		FED. AID PROJECT #-0348(35)		

# WAUKEGAN ROAD (IL-43)

☐ WAUKEGAN ROAD (IL-43) STA 211+46.83  
 ☐ CHESTNUT AVENUE STA 307+02.50



# CHESTNUT AVENUE

# WAUKEGAN ROAD (IL-43)



**NOTES:**

1. ALL PAVEMENT MARKING IS THERMOPLASTIC PAVEMENT MARKING.
2. ALL PAVEMENT MARKING SHALL BE INSTALLED ACCORDING TO THE IDOT DISTRICT ONE DETAIL FOR TYPICAL PAVEMENT MARKINGS (TC-13) AND HIGHWAY STANDARDS 780001.
3. ALL PROPOSED SIGNS SHALL MEET CURRENT MUTCD REQUIREMENTS.

CONSULT: 2002 BY BAXTER & WOODMAN, INC.  
 STATE OF ILLINOIS PROFESSIONAL DESIGN FIRM  
 LICENSE NO. 38-000211 EXP. 12/31/2018  
 2018/2/28

DESIGNED - DSH	REVISED - 10-12-12 PER IDOT
DRAWN - MAC	REVISED -
CHECKED - T.H.	REVISED -
DATE - 8/23/12	FILE - 110025-12-PM3.sh1

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

**PAVEMENT MARKING AND SIGNING PLAN  
 EAST LEG**

SCALE: 1"=40'

STA. 307+02.50 TO STA. 308+53

F.A.P./P.A.U. RTF.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0348/1352	05-00160-00-CH	COOK	109	46
C-91-070-06		CONTRACT NO. 63756		
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT F-0348(35)		



BEGIN IMPROVEMENTS  
WAUKEGAN ROAD (IL-43)  
STA. 202+08

☐ WAUKEGAN ROAD (IL-43) STA 211+48.00  
☐ CHESTNUT AVENUE STA 307+02.48

# WAUKEGAN ROAD (IL-43)

**CHESTNUT AVENUE**

**WOODLAWN AVENUE**

☐ WAUKEGAN ROAD (IL-43) STA 201+70.63  
☐ WOODLAND AVENUE

**GLENWOOD AVENUE**

☐ WAUKEGAN ROAD (IL-43) STA 205+07.56  
☐ GLENWOOD AVENUE STA 10+00

SHRUB, RHUS AROMATICA GRO-LOW  
(GRO-LOW FRAGRANT SUMAC), 18" WIDTH,  
BALLED AND BURLAPPED. - 10 EACH

☐ SODDING, SALT TOLERANT

**TREE LEGEND**

KC TREE, GYMNOCLADUS DIOICUS (KENTUCKY COFFEETREE),  
3" CALIPER, BALLED AND BURLAPPED.

SH TREE, GLEDITSIA TRIACANTHOS INERMIS SKLINE (SKYLINE  
THORNLESS COMMON HONEYLOCUST), 3" CALIPER, BALLED  
AND BURLAPPED.

CSL TREE, SYRINGA PEKINENSIS MORTON (CHINA SNOW PEKING LILAC),  
3" CALIPER, TREE FORM, BALLED AND BURLAPPED.

NOTE: TREE LOCATIONS SHOWN ON PLANS ARE FOR BIDDING PURPOSES  
ONLY. ACTUAL LOCATIONS OF TREES TO BE DETERMINED IN THE  
FIELD BY THE ENGINEER.

☐ WAUKEGAN ROAD (IL-43) STA 215+45.46  
☐ PLEASANT LANE

# WAUKEGAN ROAD (IL-43)

**JEFFERSON AVENUE**

☐ WAUKEGAN ROAD (IL-43) STA 217+80.79  
☐ JEFFERSON AVENUE STA 20+00

END IMPROVEMENTS  
WAUKEGAN ROAD (IL-43)  
STA 220+80

MATCH LINE STA. 212+50 - SEE ABOVE RIGHT

**PLEASANT DRIVE**

**AMMER ROAD**

PROJECT: 2012 BY: BAXTER & WOODMAN, INC. ...  
 LICENSE NO.: 184-0019 - EXP. 04/30/13  
 2630cc 07/17/08 218136 PH



DESIGNED - DS4	REVISED - 10-12-12 PER VILLAGE
DRAWN - MAC	REVISED -
CHECKED - T.L.H.	REVISED -
DATE - 07/23/12	FILE - 110025-12-LNDSCL1.dwg

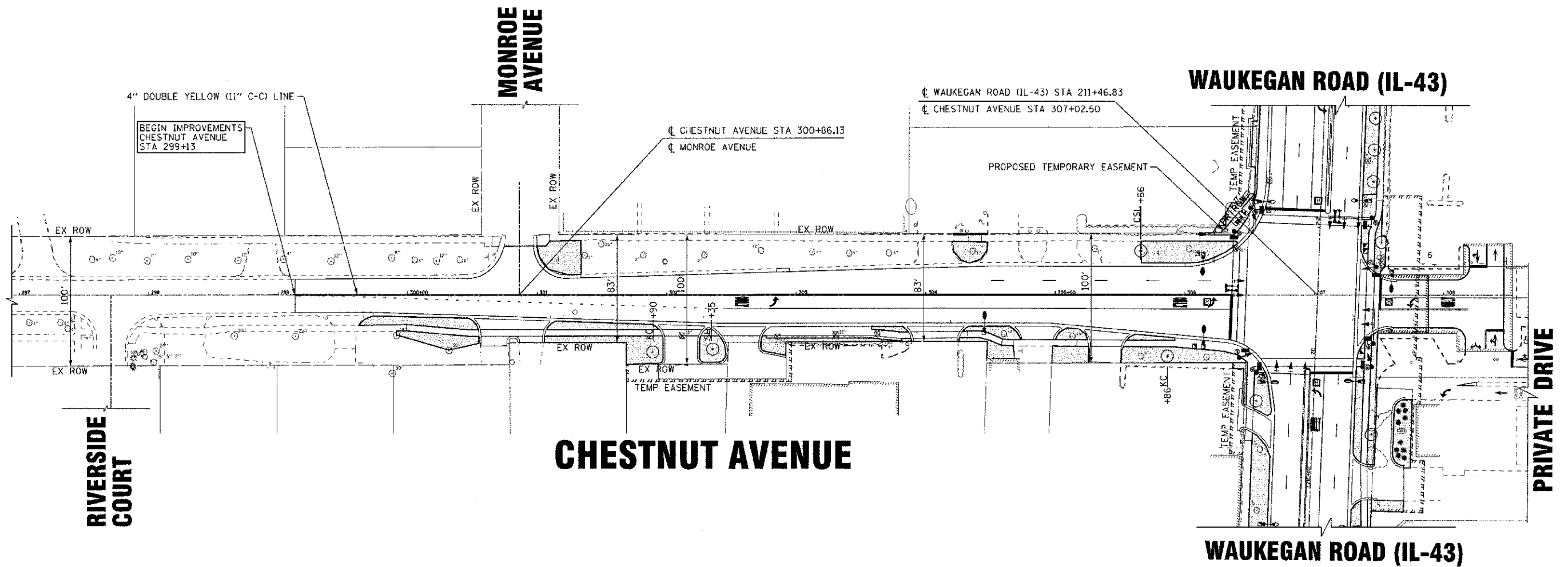
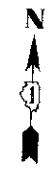
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION


LANDSCAPING PLAN  
WAUKEGAN ROAD (IL-43) AND JEFFERSON AVENUE

SCALE: 1" = 40'

STA. 202+08 TO STA. 220+80

F.A.P./F.A.U. R.I.E.	SECTION	COUNTY	TOTAL SHEET SHEETS NO.
0348/1352	05-00160-00-CH	COOK	109 47
C-91-C70-06		CONTRACT NO. 63756	
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT F-0348(35)	



 SODDING, SALT TOLERANT

**TREE LEGEND**

- KC TREE, GYMNOCLADUS DIOICUS (KENTUCKY COFFEETREE), 3" CALIPER, BALLED AND BURLAPPED.
- SH TREE, GLEDITSIA TRIACANTHOS INERMIS SKLINE (SKYLINE THORNLESS COMMON HONEYLOCUST), 3" CALIPER, BALLED AND BURLAPPED.
- CSL TREE, SYRINGA PEKINENSIS MORTON (CHINA SNOW PEKING LILAC), 3" CALIPER, TREE FORM, BALLED AND BURLAPPED.

NOTE: TREE LOCATIONS SHOWN ON PLANS ARE FOR BIDDING PURPOSES ONLY. ACTUAL LOCATIONS OF TREES TO BE DETERMINED IN THE FIELD BY THE ENGINEER.

CONTRACT # 2012-07 BAXTER & WOODMAN, INC. 11/14/12 11:45:48 AM 0/1/12 11:45:48 AM  
 LICENSE # 04-00018 - EXPIRES 11/01/2014  
 02/27/2012 2:08:38 PM  
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DESIGNED - DSH	REVISED - 10-12-12 PER VILLAGE
DRAWN - MAC	REVISED -
CHECKED - TLH	REVISED -
DATE - 8/23/12	FILE - 110025-12-LNDSCP2.dwg

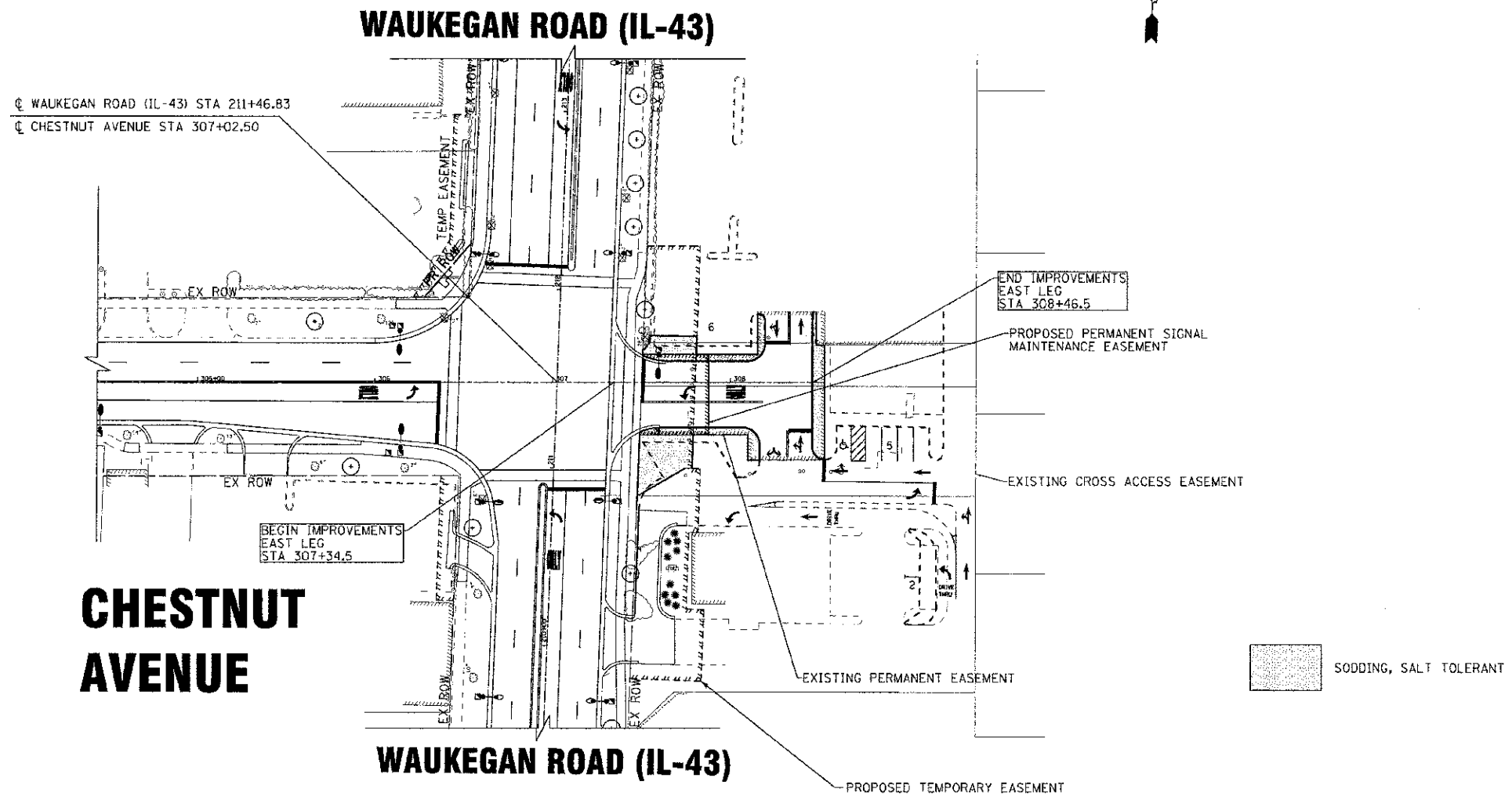
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**LANDSCAPING PLAN  
CHESTNUT AVENUE**

SCALE: 1"=40'

STA. 302+00 TO STA. 307+02.50

F.A.P./F.A.U. R/C 0348/1352	SECTION 05-00'60-00-CH	COUNTY COOK	TOTAL SHEETS 109	SHEET NO. 48
C-91-070-06		CONTRACT NO. 63756		
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT F-0348(35)		



CONSULT: 2012 BY BAUTISTA & WOODMAN, INC.  
 STATE OF ILLINOIS PROFESSIONAL ENGINEERING FIRM  
 LICENSE NO. 184-00031 - EXPIRES 4/30/2013  
 268 S. MICHIGAN ST. SUITE 200  
 CHICAGO, IL 60601  
 TEL: 312.467.1000 FAX: 312.467.1001  
 WWW.BAUTISTAANDWOODMAN.COM



DESIGNED - DSH	REVISED -
DRAWN - MAC	REVISED -
CHECKED - TLH	REVISED -
DATE - 8/23/12	FILE - 110025-12-LNDSCP3.eht

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**LANDSCAPING PLAN**  
**EAST LEG**

SCALE: 1"=40'

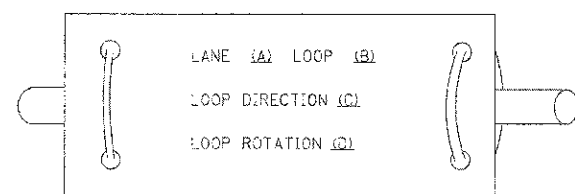
STA. 307+02.50 TO STA. 308+53

F.A.P./F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0348/1352	05-00560-00-CH	COOK	109	49
C-91-070-06		CONTRACT NO. 63756		
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT F-0348(15)		

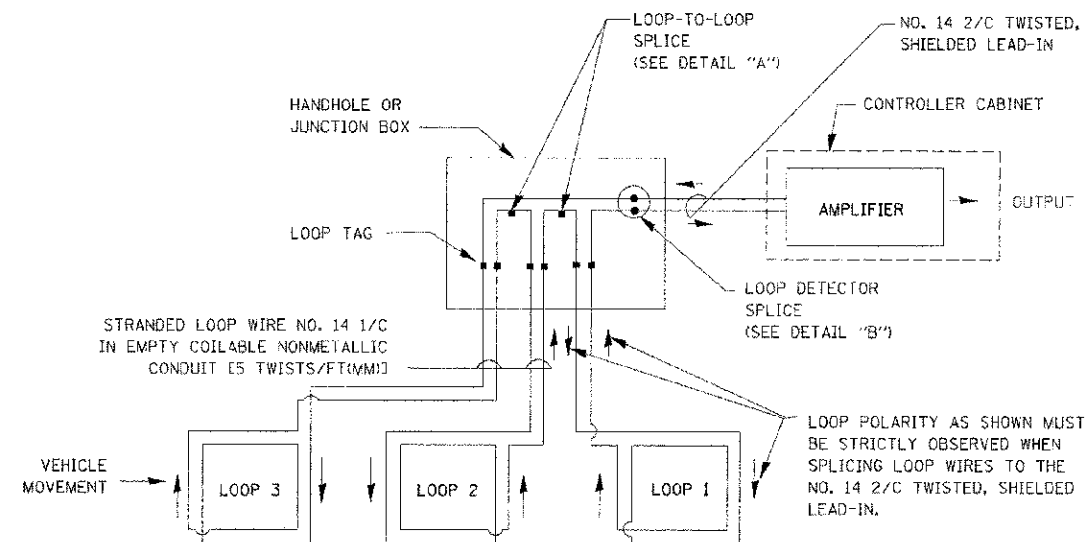
## LOOP DETECTOR NOTES

1. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NONMETALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). EMPTY COILABLE NONMETALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.
2. THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.
3. EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.
4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.
5. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVESHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.
6. LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.
7. PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

### LOOP LEAD-IN CABLE TAG

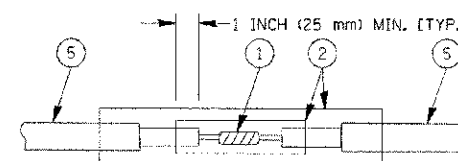


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

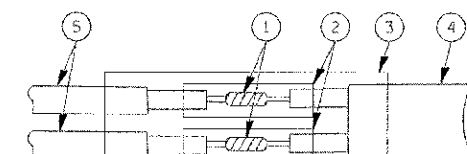


### DETECTOR LOOP WIRING SCHEMATIC

- LOOPS SHALL BE SPLICED IN SERIES.
- SAW-CUTS SHALL BE A MINIMUM WIDTH OF 5/16" (8 mm).
- SAW-CUT DEPTHS SHALL BE 3" (75 mm). IF IN CONCRETE, THE SAW-CUT DEPTH SHALL BE TO THE TOP OF THE REINFORCEMENT.
- LOOP CORNERS SHALL BE DRILLED WITH A 2" (50 mm) DIAMETER CORE.

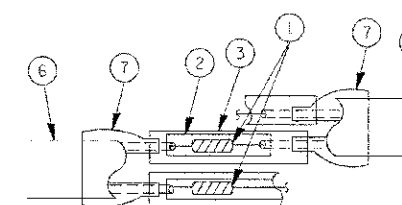


DETAIL "A"  
LOOP-TO-LOOP SPLICE

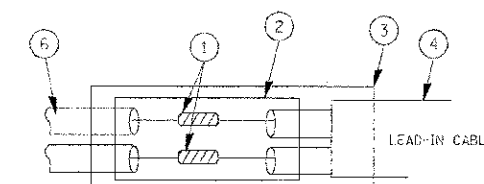


DETAIL "B"  
LOOP-TO-CONTROLLER SPLICE

### TYPE I LOOP



DETAIL "A"  
LOOP-TO-LOOP SPLICE



DETAIL "B"  
LOOP-TO-CONTROLLER SPLICE

### LOOP DETECTOR SPLICE

- 1 WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH.
- 2 WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.
- 3 WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGTH 6" (150 mm), UNDERWATER GRADE.
- 4 NO. 14 2/C TWISTED, SHIELDED CABLE.
- 5 LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE.
- 6 PRE-FORMED LOOP
- 7 XL POLYOLEFIN 2 CONDUCTOR BREAKOUT SEALS. TYCO CBR-2 OR APPROVED EQUAL

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 STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM  
 LICENSE NO. - 0348 EXP. 03/31/2005  
 PROJECT NO. - 05-00160-00-CH SHEET NO. - 109 OF 109  
 DATE - 10/28/09

FILE NAME =	USER NAME = baxterd	DESIGNED - DAD	REVISED -
		DRAWN - BCK	REVISED -
		CHECKED - DAD	REVISED -
		DATE - 10-28-09	REVISED -

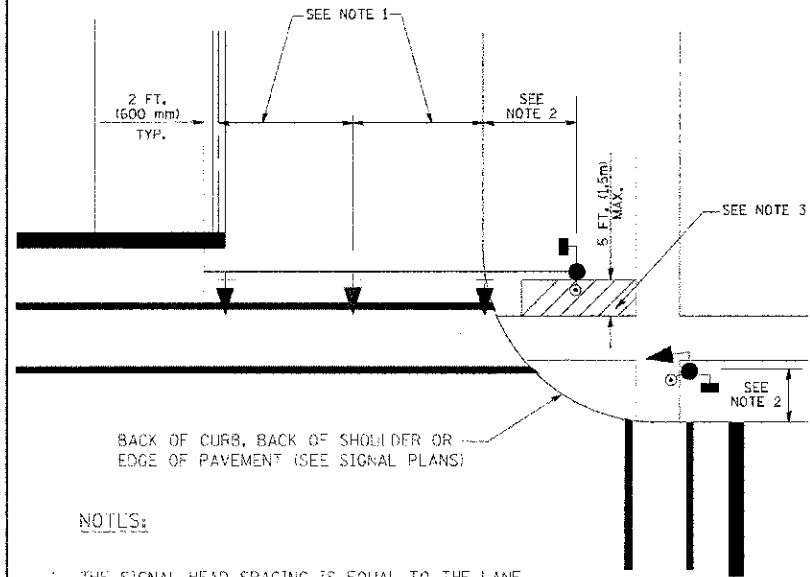
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE			
STANDARD TRAFFIC SIGNAL DESIGN DETAILS			
SCALE: NONE	SHEET NO. 1 OF 6	SHEETS	STA. TO STA.

F.A.P. RTE. 0348	SECTION 05-00160-00-CH	COUNTY COOK	TOTAL SHEETS 109	SHEET NO. 50
TS-05			CONTRACT NO. 63756	
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT F-0348039				

**TRAFFIC SIGNAL MAST ARM AND SIGNAL POST**

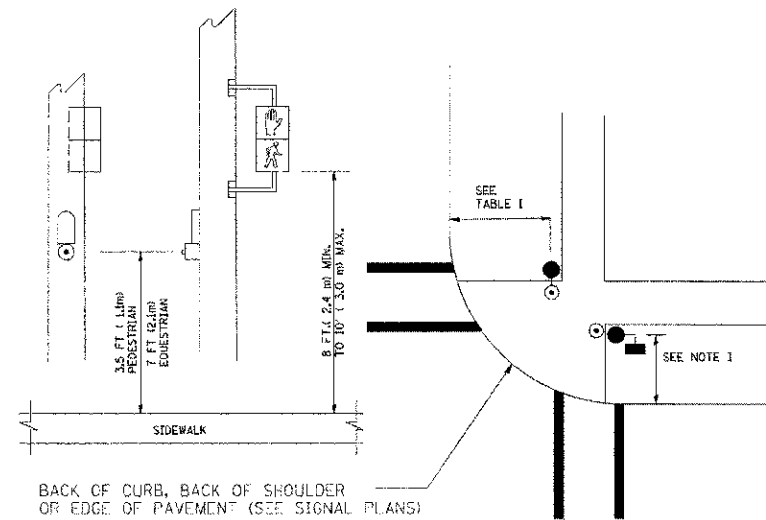
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.



**NOTES:**

1. THE SIGNAL HEAD SPACING IS EQUAL TO THE LANE WIDTH OR AS SHOWN ON THE TRAFFIC SIGNAL PLAN.
2. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
3. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE MAST ARM SHAFT OR THE SIGNAL POST.
4. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
5. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

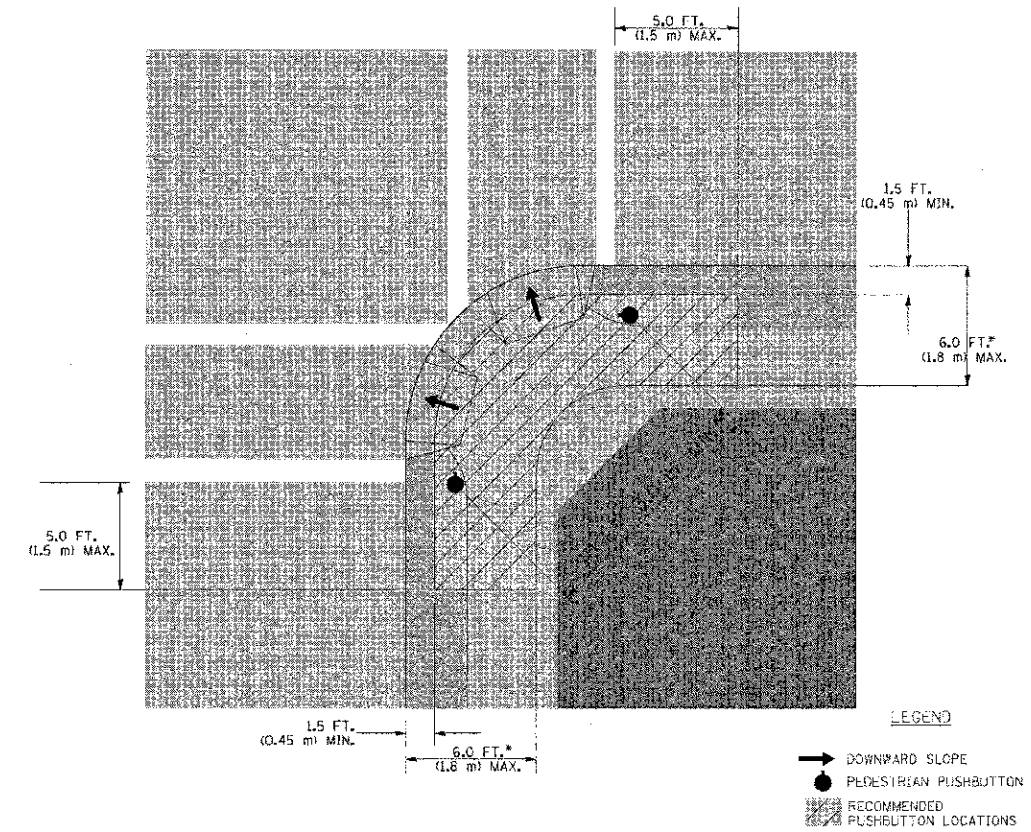
**PEDESTRIAN SIGNAL POST AND PEDESTRIAN PUSH BUTTON POST**



**NOTES:**

1. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
2. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE PEDESTRIAN SIGNAL POST OR THE PEDESTRIAN PUSH BUTTON POST.
3. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
4. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

**RECOMMENDED PUSHBUTTON LOCATIONS**



- \* WHERE THERE ARE CONSTRAINTS THAT MAKE IT IMPRACTICAL TO PLACE THE PEDESTRIAN PUSHBUTTON BETWEEN 1.5 FT (0.45 m) AND 6 FT (1.8 m) FROM THE EDGE OF THE CURB, SHOULDER, OR PAVEMENT, IT SHOULD NOT BE FURTHER THAN 10 FT (3 m) FROM THE EDGE OF CURB, SHOULDER, OR PAVEMENT.
- \*\* WHERE THERE ARE CONSTRAINTS ON A PARTICULAR CORNER THAT MAKE IT IMPRACTICAL TO PROVIDE THE 10 FT (3 m) SEPARATION BETWEEN THE TWO PEDESTRIAN PUSHBUTTONS, THE PUSHBUTTONS MAY BE PLACED CLOSER TOGETHER OR ON THE SAME POLE.

**NOTES:**

1. PEDESTRIAN SIGNAL HEADS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING INCLUDING BRACKETS NOT LESS THAN 8 FT (2.4 m) OR MORE THAN 10 FT (3 m) ABOVE SIDEWALK LEVEL, AND SHALL BE POSITIONED AND ADJUSTED TO PROVIDE MAXIMUM VISIBILITY AT THE BEGINNING OF THE CONTROLLED CROSSWALK.
2. THE BOTTOM OF THE SIGNAL HOUSING (INCLUDING BRACKETS) OF A VEHICULAR SIGNAL FACE THAT IS NOT LOCATED OVER A HIGHWAY SHALL BE AT LEAST 8 FT (2.4 m) BUT NOT MORE THAN 19 FT (5.8 m) ABOVE THE SIDEWALK OR, IF THERE IS NO SIDEWALK, ABOVE THE PAVEMENT GRADE AT THE CENTER OF THE ROADWAY.
3. THE BOTTOM OF THE SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARDS 877001, 877002, 877006, 877011 AND 877012 WITH A MINIMUM OF 16 FT (5.0 m) AND A MAXIMUM OF 18 FT (5.5 m) FROM THE HIGHEST POINT OF PAVEMENT.
4. THE BOTTOM OF THE TEMPORARY SPAN WIRE MOUNTED SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARD 880001 WITH A MINIMUM OF 17 FT (5.18 m) FROM THE HIGHEST POINT OF PAVEMENT.
5. THE TOP OF THE SIGNAL HOUSING OF A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL NOT BE MORE THAN 25.6 FT (7.8 m) ABOVE THE PAVEMENT.

**TRAFFIC SIGNAL EQUIPMENT OFFSET**

TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION)	SHOULDER/NON-CURBED AREA (MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO CENTERLINE OF FOUNDATION)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN PUSHBUTTON POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TEMPORARY WOOD POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
CONTROLLER CABINET	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.
SERVICE INSTALLATION, GROUND MOUNT	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.

**NOTES:**

1. CONTACT THE "AREA TRAFFIC SIGNAL MAINTENANCE AND OPERATIONS ENGINEER" FOR ASSISTANCE IN LOCATING THE TRAFFIC SIGNAL EQUIPMENT WHEN THERE ARE CONFLICTS WITH DITCHES OR THE MINIMUM OFFSET DISTANCES CANNOT BE MET.
2. MINIMUM DISTANCE FROM THE BACK OF CURB TO THE ROADWAY SIDE OF THE FOUNDATION.
3. MINIMUM DISTANCE FROM THE EDGE OF PAVEMENT TO THE ROADWAY SIDE OF THE FOUNDATION.
4. ANY CHANGES TO THE OFFSETS OF THE FOUNDATIONS, FROM THE MINIMUM DISTANCES LISTED IN THE "TRAFFIC SIGNAL EQUIPMENT OFFSET" CHART AND THE TRAFFIC SIGNAL INSTALLATION PLAN, COULD AFFECT THE PLACEMENT OF THE SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS AND THE PEDESTRIAN PUSHBUTTONS. THE SIGNAL HEAD PLACEMENT ON THE MAST ARMS SHALL REMAIN AS PER THE TRAFFIC SIGNAL INSTALLATION PLAN AND THE "TRAFFIC SIGNAL MAST ARM AND SIGNAL POST" DETAIL ABOVE. THE PROPOSED MAST ARM LENGTHS MAY NEED TO BE REVISED TO MEET THE ABOVE REQUIREMENTS. THE PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS MUST MEET THE REQUIREMENTS UNDER THE DETAILS ON THIS SHEET.

CONSULT AND BY: BAYNE & WOODMAN, INC. PROFESSIONAL DESIGN FIRM, LICENSE NO. 021-00191-EMPRES, 20127 PD 02/21/2002  
 PROJECT: 05-00160-00-C4  
 SHEET NO. 51  
 CONTRACT NO. 63756  
 PROJECT: ILLINOIS DEPARTMENT OF TRANSPORTATION  
 PROJECT: ILLINOIS DEPARTMENT OF TRANSPORTATION  
 PROJECT: ILLINOIS DEPARTMENT OF TRANSPORTATION

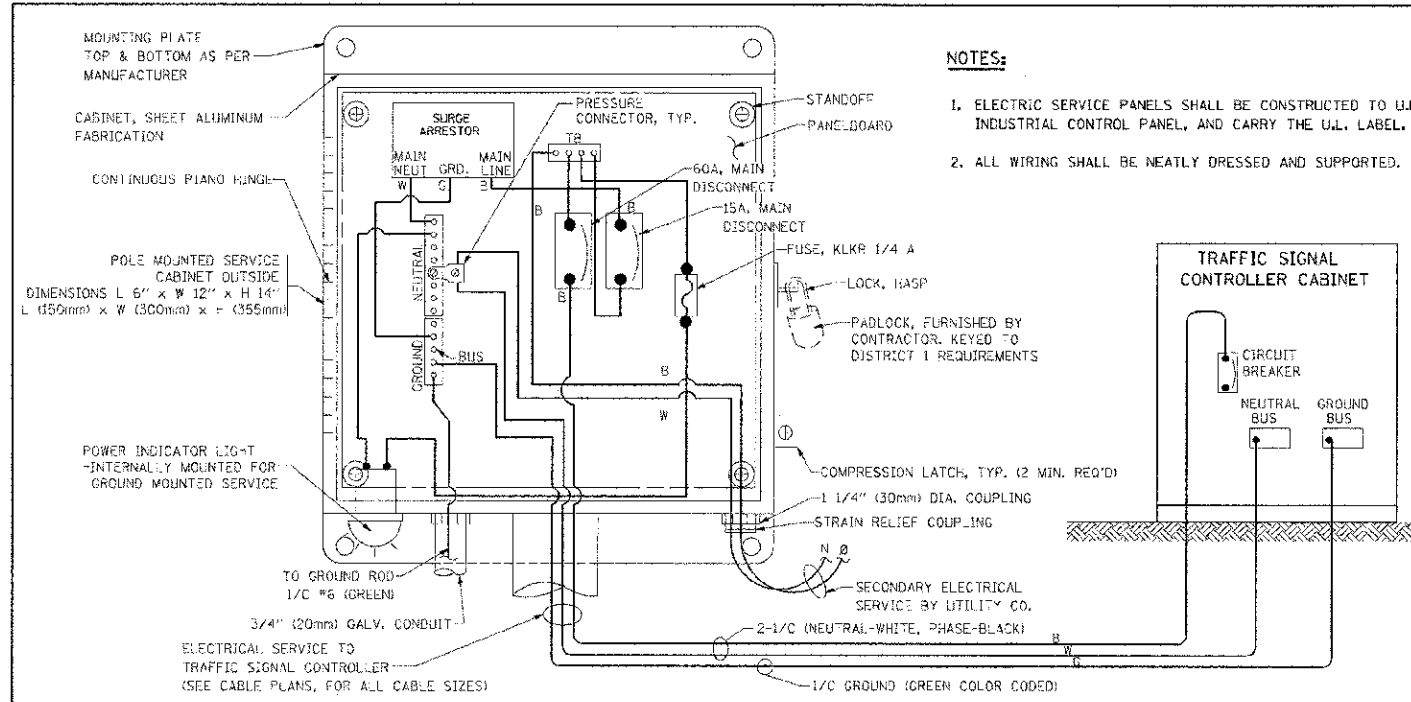
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

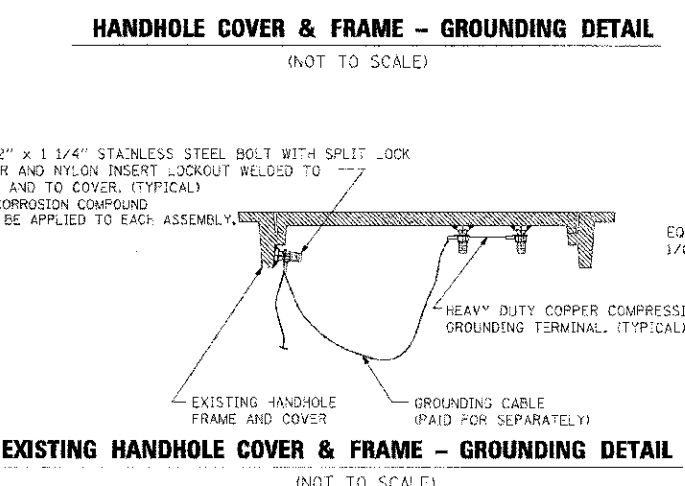
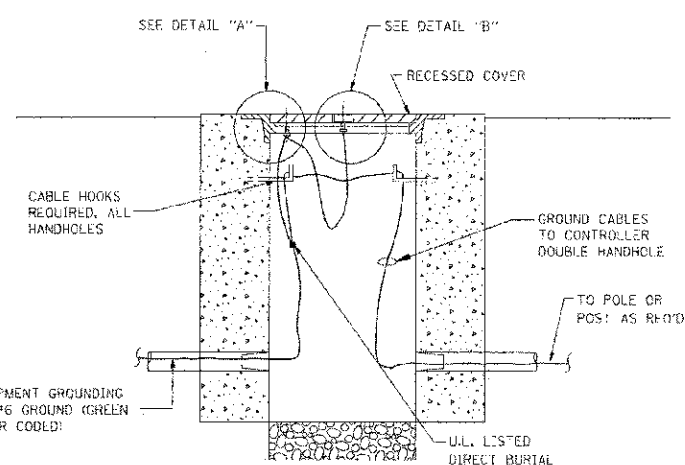
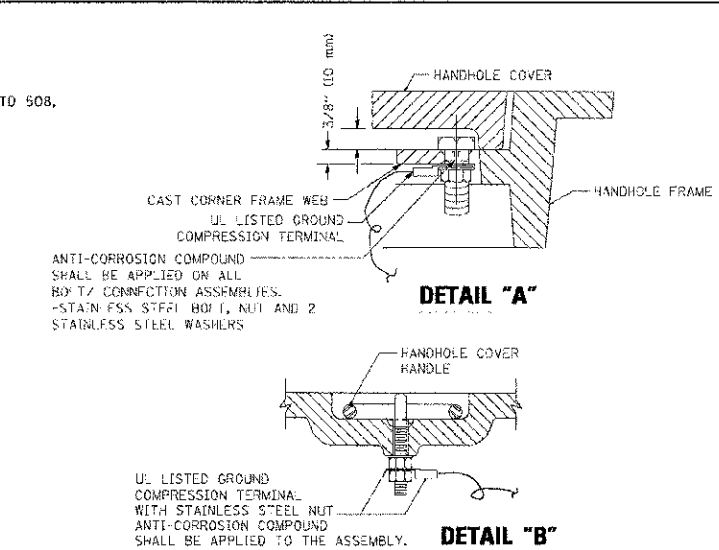
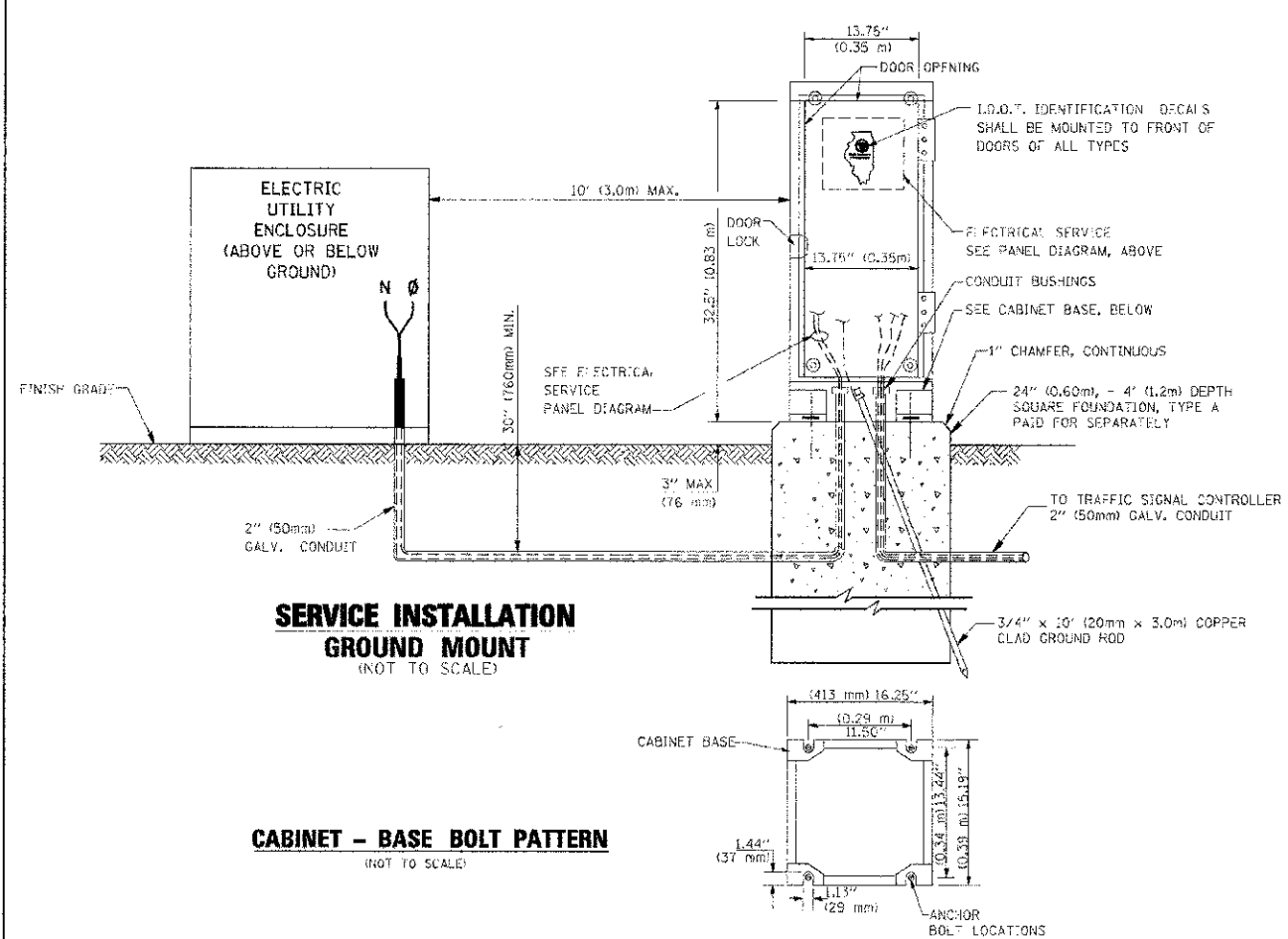
**DISTRICT ONE  
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE SHEET NO. 2 OF 6 SHEETS STA. TO STA.

F.A.P. RYE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
03-08	05-00160-00-C4	COOK	109	51
<b>IS-05</b>			CONTRACT NO. 63756	
ILLINOIS DEPARTMENT OF TRANSPORTATION PROJECT F-034005				



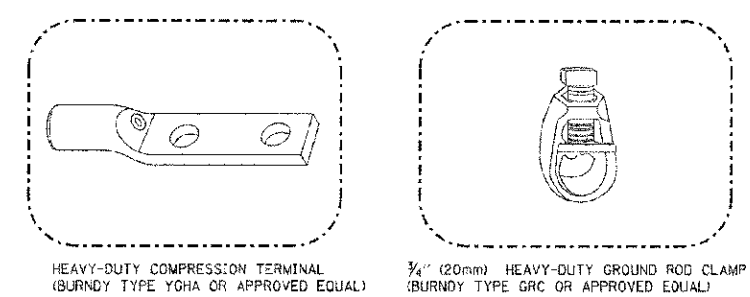
**ELECTRICAL SERVICE - PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)**  
**SERVICE INSTALLATION POLE MOUNT (SHOWN)**  
 (NOT TO SCALE)



**NOTES:**

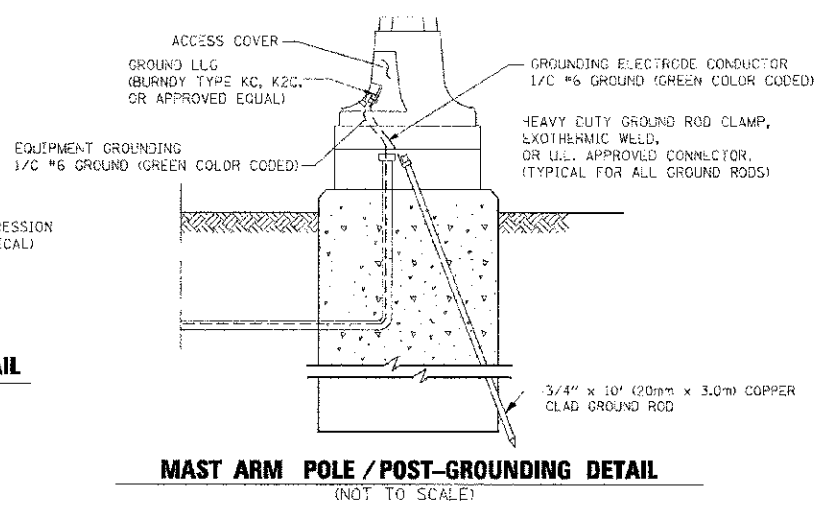
**GROUNDING SYSTEM**

- THE GROUNDING SYSTEM SHALL CONSIST OF AN INSULATED CONDUCTOR TYPE XLP, NO. 6 A.W.G., STRANDED COPPER TO BE INSTALLED IN RACEWAYS. THE GROUNDING CABLE SHALL BE INSTALLED IN A CONTINUOUS MANNER AS SHOWN ON THE CABLE PLAN PROVIDED. ALL GROUNDING CONDUCTORS SHALL BE BONDED TO METAL ENCLOSURE (HANDHOLE, POST, MAST ARM, CONTROLLER, ETC.). GROUND ROD SHALL BE 3/4" DIA. x 10'-0" (20mm x 3.0m) LONG, COPPER CLAD. ONE GROUND ROD SHALL BE INSTALLED AT ALL POST FOUNDATIONS, POLE FOUNDATIONS, CONTROLLER CABINET FOUNDATION AND ELECTRICAL SERVICE INSTALLATION AS INDICATED ON THE CABLE PLAN. IF THERE ARE ANY SPECIAL CONDITIONS SUCH AS SUB-SURFACE CONDITIONS OR INSTALLATION PROBLEMS, THE RESIDENT ENGINEER SHALL BE NOTIFIED OR CONTACT THE BUREAU OF TRAFFIC, ILLINOIS DEPARTMENT OF TRANSPORTATION DISTRICT ONE AT (847) 705-4139.
- THE NEUTRAL CONDUCTOR AND THE GROUND CONDUCTOR SHALL BE CONNECTED IN THE SERVICE INSTALLATION. AT NO OTHER POINT IN THE TRAFFIC SIGNAL SYSTEM SHALL THE NEUTRAL AND GROUND CONDUCTORS BE CONNECTED.
- ALL EQUIPMENT GROUNDING CONDUCTORS SHALL TERMINATE AT THE GROUND BUS IN THE CONTROLLER CABINET.
- THE CONTRACTOR SHALL PROVIDE A GROUND CABLE WITH CONNECTORS BETWEEN THE HANDHOLE COVER AND HANDHOLE FRAME.



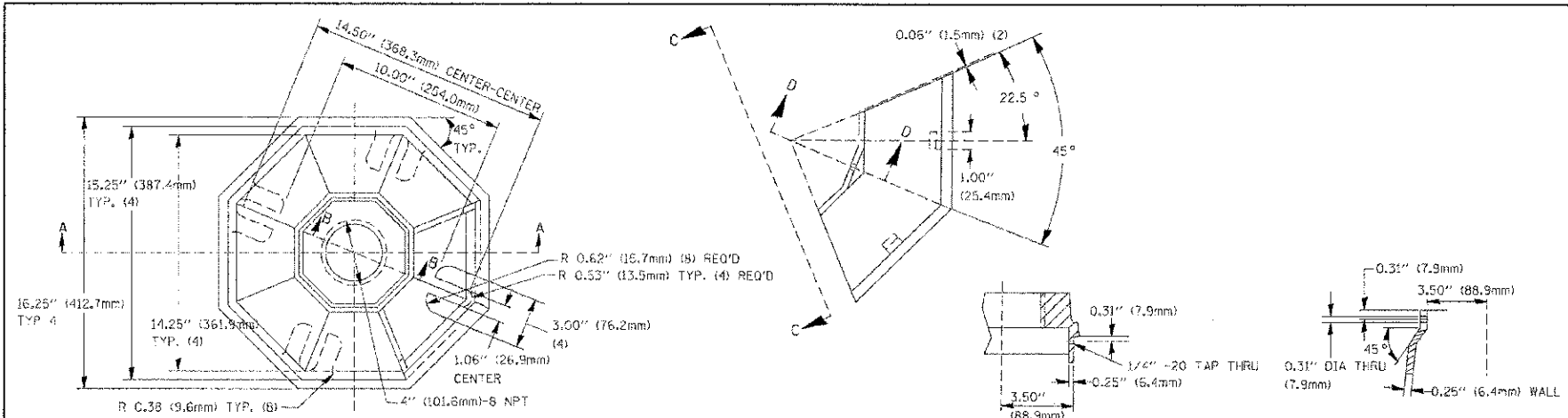
**NOTES:**

- ALL CLAMPS SHALL BE BRONZE OR COPPER, U.L. APPROVED.
- GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES. 6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES. 13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES. 5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.



FILE NAME: ...  
 USER NAME: bcarad  
 DESIGNED: DAD  
 DRAWN: BCK  
 CHECKED: DAD  
 DATE: 10-28-09  
 PLOT SCALE: 5/8" = 1'-0"  
 PLOT DATE: 11/4/2009

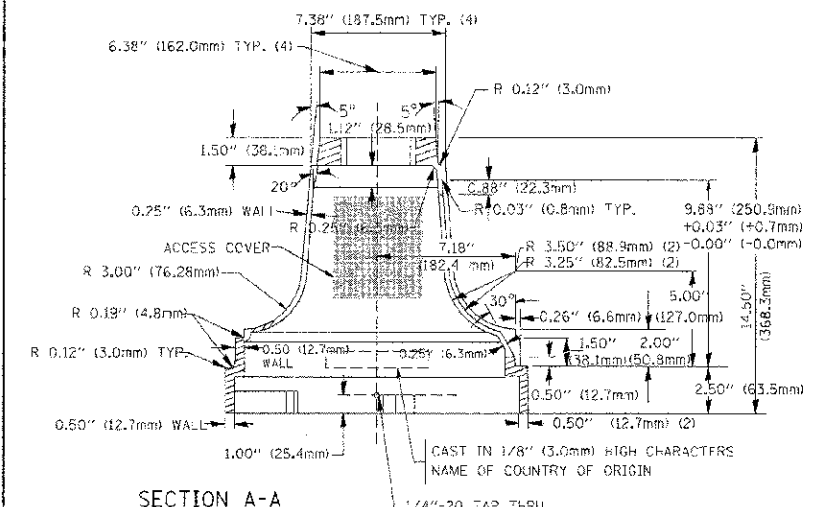




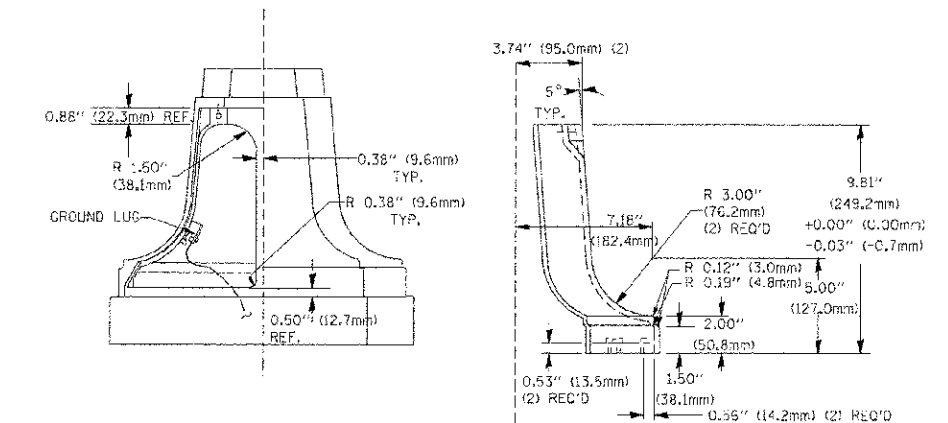
TOP VIEW

SECTION B-B

SECTION D-D

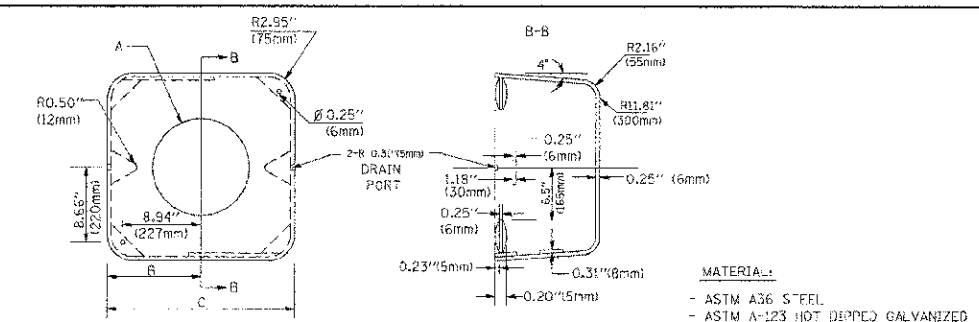


SECTION A-A



VIEW C-C

TRAFFIC SIGNAL POST - MOUNTING BASE - TYPE A



SHROUD

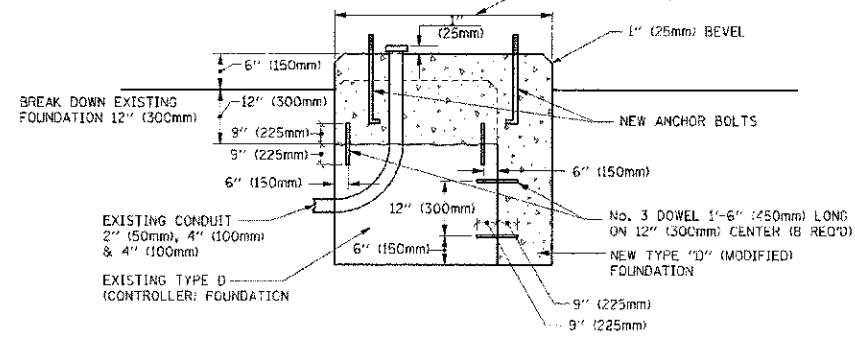
A	B	C	HEIGHT	WEIGHT
VARIES	9.5" (241mm)	19" (483mm)	7" (178mm) - 12" (300mm)	53 lbs (24kg)
VARIES	10.75" (273mm)	21.5" (546mm)	7" (178mm) - 12" (300mm)	66 lbs (31 kg)
VARIES	13.0" (330mm)	26" (660mm)	7" (178mm) - 12" (300mm)	81 lbs (37 kg)
VARIES	18.5" (470mm)	37" (940mm)	7" (178mm) - 12" (300mm)	126 lbs (57 kg)

NOTES:

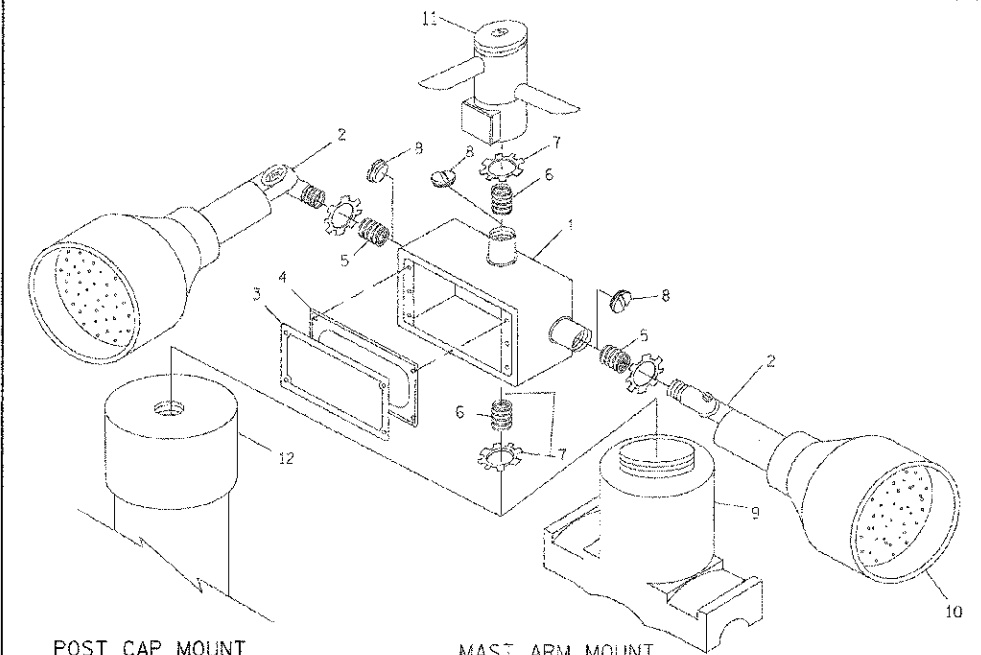
- DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
- THE SUPPLIER SHALL VERIFY THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
- THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

NOTES:

SUPPORT EXISTING CABINET AND CONTROL EQUIPMENT ABOVE FOUNDATION TO KEEP TRAFFIC SIGNAL FUNCTIONING WHILE FOUNDATION MODIFICATION WORK IS PROCEEDING.



MODIFY EXISTING TYPE "D" FOUNDATION

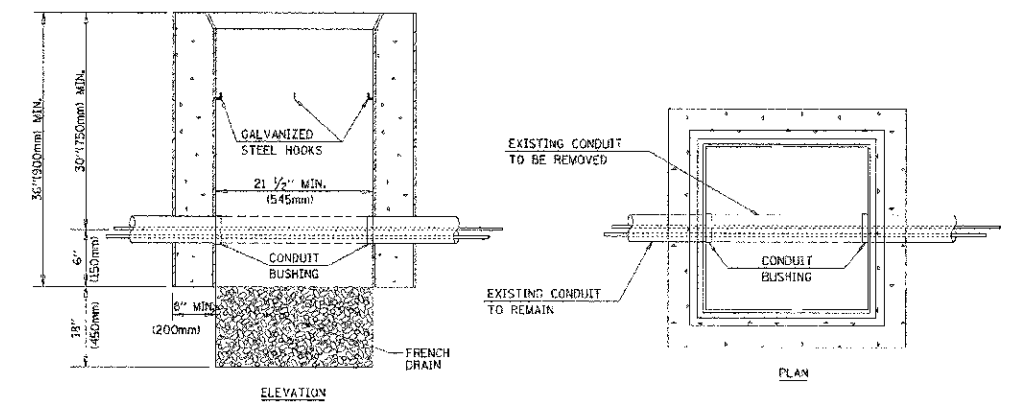


POST CAP MOUNT  
MAST ARM MOUNT  
EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL

ITEM NO.	IDENTIFICATION
1	OUTLET BOX - GALV. 21 CU. IN. (C.000344 CU. IN.)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	1/4" (19 mm) CLOSE NIPPLE
7	1/4" (19 mm) LOCKNUT
8	1/4" (19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	6 WATT PAR 38 LED FLOOD LAMP
11	DETECTOR UNIT
12	POST CAP [18 FT. (5.4 m) POST MIN.]

NOTES:

- ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
- ITEM #1 - QZ/GEDNEY FSX-1-50 OR EQUIVALENT  
ITEM #2 - MULBERRY CON-O-SHADE LAMP SHIELD OR EQUIVALENT  
ITEM #9 - "BAND-IT" SADDLE BRACKET OR EQUIVALENT
- WHEN POST MOUNTING IS SPECIFIED, ITEM #9 SHALL NOT BE REQUIRED. THE DETECTION UNIT SHALL BE MOUNTED DIRECTLY ON TOP OF THE CAP BY DRILLING AND TAPPING A 1/4" (19 mm) HOLE WITH PIPE THREADS. THE POST CAP SHALL EITHER BE SCREWED TO THE TOP OF THE POST OR A MINIMUM OF 3 TIGHTENING SCREWS SHALL BE REQUIRED ON EACH CAP.



NOTES:

- HANDHOLE CONSTRUCTED PER STATE STANDARD 814001.
- REMOVAL OF THE EXISTING CONDUIT FROM THE HANDHOLE AND THE INSTALLATION OF THE CONDUIT BUSHINGS SHALL BE INCIDENTAL TO THE HANDHOLE.

HANDHOLE TO INTERCEPT EXISTING CONDUIT

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 913.666.0000 FAX 913.666.0001

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	PLOT DATE = 11/4/2009	DATE - 10-28-09	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE  
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

F.A.P. RTE. 0348	SECTION 05-00160-00-CH	COUNTY COOK	TOTAL SHEETS 109	SHEET NO. 53
TS-05			CONTRACT NO. 63756	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT F-0348(35)				

SCALE: NONE SHEET NO. 4 OF 6 SHEETS STA. TO STA.



# TRAFFIC SIGNAL LEGEND

ITEM	REMOVAL	EXISTING	PROPOSED	ITEM	REMOVAL	EXISTING	PROPOSED	ITEM	REMOVAL	EXISTING	PROPOSED
CONTROLLER CABINET				EMERGENCY VEHICLE LIGHT DETECTOR				ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1/C, UNLESS NOTED OTHERWISE			
RAILROAD CONTROL CABINET				CONFIRMATION BEACON				COAXIAL CABLE			
COMMUNICATIONS CABINET				HANDHOLE				VENDOR CABLE FOR CAMERA			
MASTER CONTROLLER				HEAVY DUTY HANDHOLE				COPPER INTERCONNECT CABLE, NO. 18 3 PAIR TWISTED, SHIELDED			
MASTER MASTER CONTROLLER				DOUBLE HANDHOLE				FIBER OPTIC CABLE NO. 62.5/125, MM12F			
UNINTERRUPTIBLE POWER SUPPLY				JUNCTION BOX				FIBER OPTIC CABLE NO. 62.5/125, MM12F SM12F			
SERVICE INSTALLATION (P) POLE OR (G) GROUND MOUNT				GALVANIZED STEEL CONDUIT IN TRENCH (T) OR PUSHED (P)				FIBER OPTIC CABLE NO. 62.5/125, MM12F SM12F			
TELEPHONE CONNECTION (P) POLE OR (G) GROUND MOUNT				TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE				FIBER OPTIC CABLE NO. 62.5/125, (NUMBER OF FIBERS & TYPE TO BE NOTED ON PLANS)			
STEEL MAST ARM ASSEMBLY AND POLE				COMMON TRENCH			CT	GROUND ROD AT (C) CONTROLLER, (H) HANDHOLE, (P) POST, (M) MAST ARM, OR (S) SERVICE			
ALUMINUM MAST ARM ASSEMBLY AND POLE				COILABLE NONMETALLIC CONDUIT (EMPTY)			CNC	CONTROLLER CABINET AND FOUNDATION TO BE REMOVED			
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE				SYSTEM ITEM			S	STEEL MAST ARM POLE AND FOUNDATION TO BE REMOVED			
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH PTZ CAMERA				INTERSECTION ITEM			I	ALUMINUM MAST ARM POLE AND FOUNDATION TO BE REMOVED			
SIGNAL POST				REMOVE ITEM	R			STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE AND FOUNDATION TO BE REMOVED			
TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT (13.7m) MINIMUM				RELOCATE ITEM	RL			SIGNAL POST AND FOUNDATION TO BE REMOVED			
GUY WIRE				ABANDON ITEM	A			INTERSECTION & SAMPLING (SYSTEM) DETECTOR			
SIGNAL HEAD				12" (300mm) TRAFFIC SIGNAL SECTION				SAMPLING (SYSTEM) DETECTOR			
SIGNAL HEAD CONSTRUCTION STAGES (NUMBERS INDICATE THE CONSTRUCTION STAGE)				12" (300mm) RED WITH 8" (200mm) YELLOW AND GREEN TRAFFIC SIGNAL FACE				EXISTING INTERSECTION LOOP DETECTOR PROPOSED INTERSECTION AND SAMPLING (SYSTEM) DETECTOR			
SIGNAL HEAD WITH BACKPLATE				SIGNAL FACE				EXISTING PREFORMED INTERSECTION LOOP DETECTOR PROPOSED INTERSECTION AND SAMPLING (SYSTEM) DETECTOR			
SIGNAL HEAD OPTICALLY PROGRAMMED				SIGNAL FACE WITH BACKPLATE "P" INDICATES PROGRAMMED HEAD				PREFORMED INTERSECTION AND SAMPLING (SYSTEM) DETECTOR			
FLASHER INSTALLATION (S DENOTES SOLAR POWER)				12" (300mm) PEDESTRIAN SIGNAL HEAD WALK/DON'T WALK SYMBOL				PREFORMED SAMPLING (SYSTEM) DETECTOR			
PEDESTRIAN SIGNAL HEAD				12" (300mm) PEDESTRIAN SIGNAL HEAD INTERNATIONAL SYMBOL, OUTLINED				<b>RAILROAD SYMBOLS</b>			
PEDESTRIAN PUSHBUTTON DETECTOR				12" (300mm) PEDESTRIAN SIGNAL HEAD INTERNATIONAL SYMBOL, SOLID				EXISTING		PROPOSED	
ACCESSIBLE PEDESTRIAN PUSHBUTTON DETECTOR				PEDESTRIAN SIGNAL HEAD, INTERNATIONAL SYMBOL, WITH COUNTDOWN TIMER				RAILROAD CONTROL CABINET			
ILLUMINATED SIGN "NO LEFT TURN"				RADIO INTERCONNECT				RAILROAD CANTILEVER MAST ARM			
ILLUMINATED SIGN "NO RIGHT TURN"				RADIO REPEATER				FLASHING SIGNAL			
DETECTOR LOOP, TYPE J				DENOTES NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE. ALL DETECTOR LOOP CABLE TO BE SHIELDED				CROSSING GATE			
PREFORMED DETECTOR LOOP				GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN)				CROSSBUCK			
MICROWAVE VEHICLE SENSOR											
VIDEO DETECTION CAMERA											
VIDEO DETECTION ZONE											
PAN, TILT, ZOOM CAMERA											
WIRELESS DETECTOR SENSOR											
WIRELESS ACCESS POINT											

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 LICENSE NO. 08-00017 - EXPIRES 12/31/2015  
 PROJECT: 05-00160-00-CH  
 DRAWING: TS-05  
 SHEET: 109 OF 109

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PLOT SCALE * 1/8" = 1'-0"	CHECKED - DAD	DATE - 10-28-09	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE**  
**STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE SHEET NO. 6 OF 6 SHEETS S.A. TO S.A.

F.A.P. RTE. 0348	SECTION 05-00160-00-CH	COUNTY COOK	TOTAL SHEETS 109	SHEET NO. 55
TS-05		CONTRACT NO. 63756		
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT F-0348(35)				

**NOTES FOR TEMPORARY TRAFFIC SIGNALS**

1. ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR.
2. ONLY CONTROLLERS SUPPLIED BY ONE OF THE DISTRICT APPROVED CLOSED LOOP EQUIPMENT MANUFACTURERS WILL BE APPROVED FOR USE AT TEMPORARY SIGNAL LOCATIONS. ALL CONTROLLERS USED FOR TEMPORARY TRAFFIC SIGNALS SHALL BE FULLY ACTUATED NEMA MICROPROCESSOR BASED WITH RS232 DATA ENTRY PORTS COMPATIBLE WITH EXISTING MONITORING SOFTWARE APPROVED BY IDOT DISTRICT 1, INSTALLED IN A NEMA TS1 OR TS2 CABINET. ONLY ONE BRAND OF CONTROLLER WILL BE ACCEPTED FOR ANY ONE CONTRACT.
3. ALL TRAFFIC SIGNAL SECTIONS AND PEDESTRIAN SIGNAL SECTIONS SHALL BE LED 12". HEADS SHALL BE PLACED AS INDICATED ON THE TEMPORARY TRAFFIC SIGNAL PLAN OR AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL FURNISH ENOUGH CABLE SLACK TO RELOCATE HEADS TO ANY POSITION ON THE SPAN WIRE OR AT LOCATIONS ILLUSTRATED ON THE PLANS FOR CONSTRUCTION STAGING. THE TEMPORARY TRAFFIC SIGNAL SHALL REMAIN IN OPERATION DURING ALL SIGNAL HEAD RELOCATIONS. EACH TEMPORARY TRAFFIC SIGNAL HEAD SHALL HAVE ITS OWN CABLE FROM THE CONTROLLER CABINET TO THE SIGNAL HEAD.
4. ALL EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE REMOVED FROM EXISTING POLES, RELOCATED AND SECURELY FASTENED TO THE SIGNAL SPAN WIRE OR WOOD POLE AS DIRECTED BY THE ENGINEER.
5. ANY TEMPORARY SIGNAL WITHIN AN EXISTING CLOSED LOOP TRAFFIC SIGNAL SYSTEM SHALL BE INTERCONNECTED TO THAT SYSTEM USING SIMILAR BRAND CONTROL EQUIPMENT.
6. THE TEMPORARY TRAFFIC SIGNAL SHALL HAVE THE SIGNAL HEAD DISPLAYS, SIGNAL HEAD PLACEMENTS AND CONTROLLER PHASING MATCH THE EXISTING TRAFFIC SIGNAL, AT THE TIME OF THE TURN ON, IF NO TRAFFIC STAGING IS IN PLACE OR WILL NOT BE STAGED ON THE DAY OF THE TURN ON.
7. UNINTERRUPTIBLE POWER SUPPLY (UPS) SYSTEMS SHALL BE INSTALLED AND MADE OPERATIONAL AT TEMPORARY TRAFFIC SIGNAL INSTALLATIONS WHERE UPS IS INSTALLED AT THE EXISTING TRAFFIC SIGNAL. TEMPORARY TRAFFIC SIGNALS AT RAILROAD INTERSECTIONS, AND TEMPORARY TRAFFIC SIGNALS AT INTERSECTIONS WITH FIRE STATION ACTUATED EMERGENCY VEHICLE PRE-EMPTION, OR WHEN INDICATED ON THE PLANS.
8. TRAFFIC SIGNAL MANAGEMENT SYSTEMS SHALL BE MAINTAINED IN OPERATION AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER. REQUIRED EQUIPMENT SHALL BE AS SHOWN ON THE PLANS AND THE CONTRACTOR SHALL PLACE THE EQUIPMENT IN OPERATION TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE TRAFFIC SIGNAL MANAGEMENT SYSTEM.
9. DETECTION AT TEMPORARY TRAFFIC SIGNALS SHALL BE INCLUDED FOR ALL APPROACHES OF THE INTERSECTION UNLESS INDICATED OTHERWISE ON THE PLANS. THE DETECTION SYSTEM MUST MEET THE SPECIFICATIONS OF DISTRICT ONE AND THE CONTRACTOR SHALL PLACE THE DETECTORS INTO OPERATION TO THE SATISFACTION OF THE ENGINEER.
10. WHEN PAN, TILT, ZOOM CAMERAS ARE INSTALLED AT THE EXISTING INTERSECTION OR ARE CALLED FOR IN THE PLANS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING AND MAINTAINING THE CAMERAS TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE CAMERAS.
- \* 11. BAG AND DISABLE PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSH BUTTONS FOR CROSSING THE SOUTH LEG UNTIL THE PROPOSED CROSSING IS OPENED UP.

**REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT - 1 EACH**

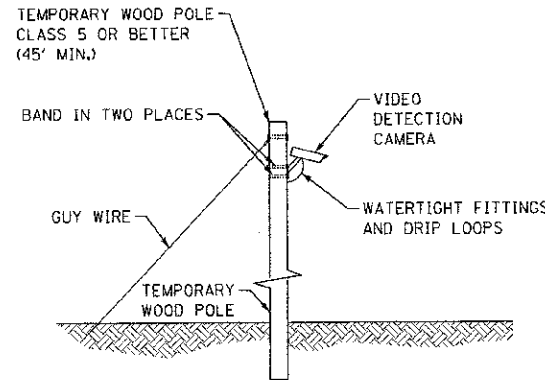
THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE AGENCY LISTED BELOW. THE CONTRACTOR SHALL SAFELY STORE AND ARRANGE FOR PICKUP OF ALL EQUIPMENT TO BE RETURNED TO THE LISTED AGENCY AS PER THE TRAFFIC SIGNAL SPECIFICATIONS.

AGENCY: VILLAGE OF GLENVIEW

- 2 EACH LIGHT DETECTOR
- 1 EACH LIGHT DETECTOR AMPLIFIER
- 2 EACH CONFIRMATION BEACON

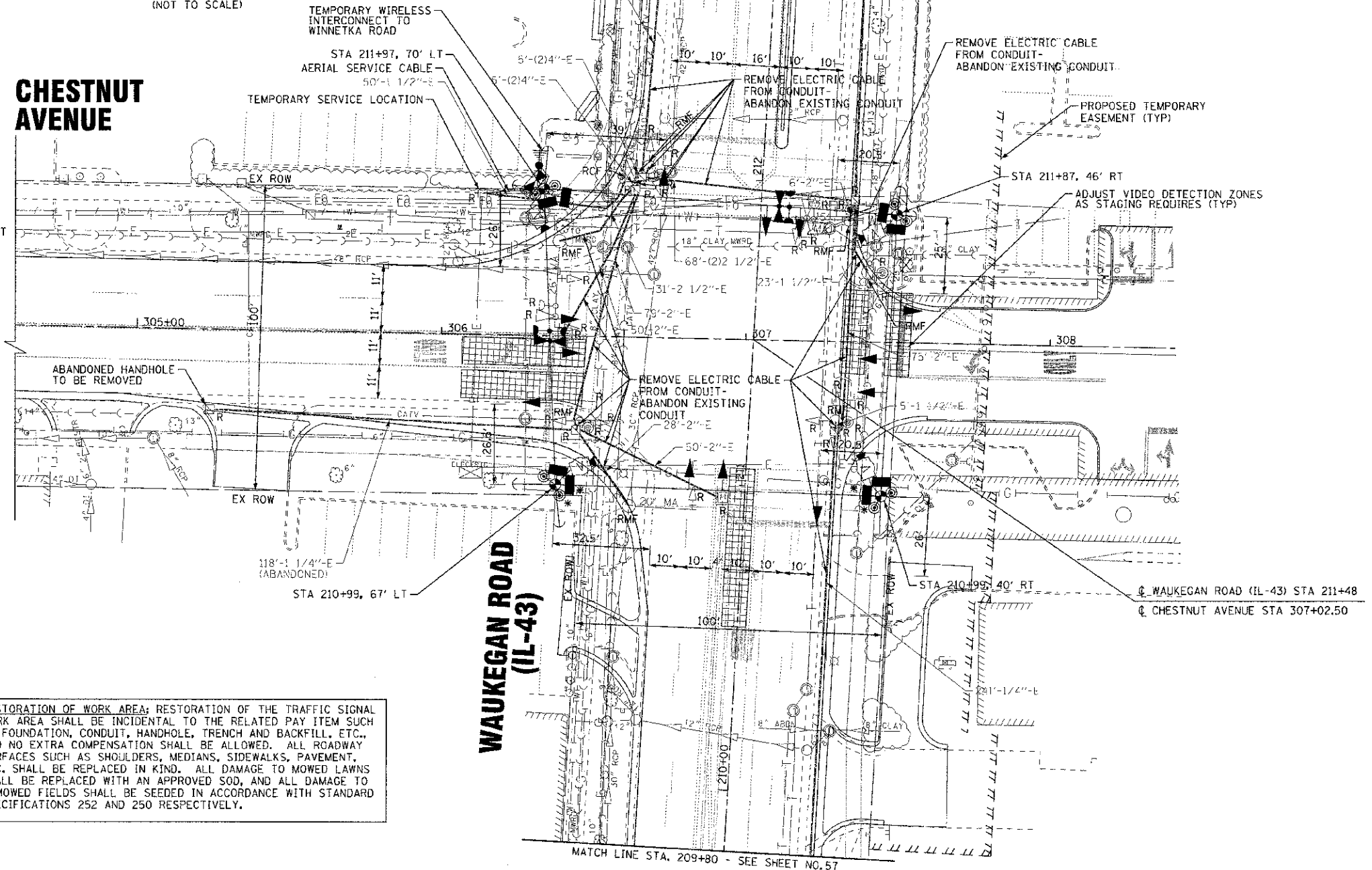
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

- 1 EACH SIGNAL HEAD, 2 FACE, 1-3 SECTION, 1-4 SECTION
- 1 EACH SIGNAL HEAD, 3 FACE, 2-3 SECTION, 1-4 SECTION
- 1 EACH SIGNAL HEAD, 2 FACE, 1-3 SECTION, 1-5 SECTION
- 2 EACH SIGNAL HEAD, 1 FACE, 3 SECTION
- 2 EACH SIGNAL HEAD, 1 FACE, 4 SECTION
- 1 EACH SIGNAL HEAD, 1 FACE, 5 SECTION
- 4 EACH TRAFFIC SIGNAL BACK PLATE
- 3 EACH TRAFFIC SIGNAL POST
- 1 EACH 15' ALUMINUM MAST ARM AND POLE
- 1 EACH 20' STEEL MAST ARM AND POLE
- 1 EACH 26' STEEL MAST ARM AND POLE
- 1 EACH CONTROLLER AND CABINET (COMPLETE)
- 5 EACH PEDESTRIAN PUSH BUTTON
- 4 EACH PEDESTRIAN SIGNAL HEAD, 1 FACE
- 1 EACH PEDESTRIAN SIGNAL HEAD, 2 FACE
- 1 EACH PEDESTRIAN SIGNAL POST



**TEMPORARY VIDEO DETECTION MOUNTING DETAIL**  
(NOT TO SCALE)

**CHESTNUT AVENUE**



RESTORATION OF WORK AREA; RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOG, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

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 1000 W. 125th Street, Suite 100, Lincoln, NE 68504  
 402.433.1234 FAX 402.433.1235  
 www.baytech.com www.wedman.com



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DRAWN - MAC	REVISED - 10/29/12 PER IDOT
CHECKED - TLH	REVISED -
DATE - 8/23/12	FILE - 110025-12-TS_TEMP_PLAN.sh1

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

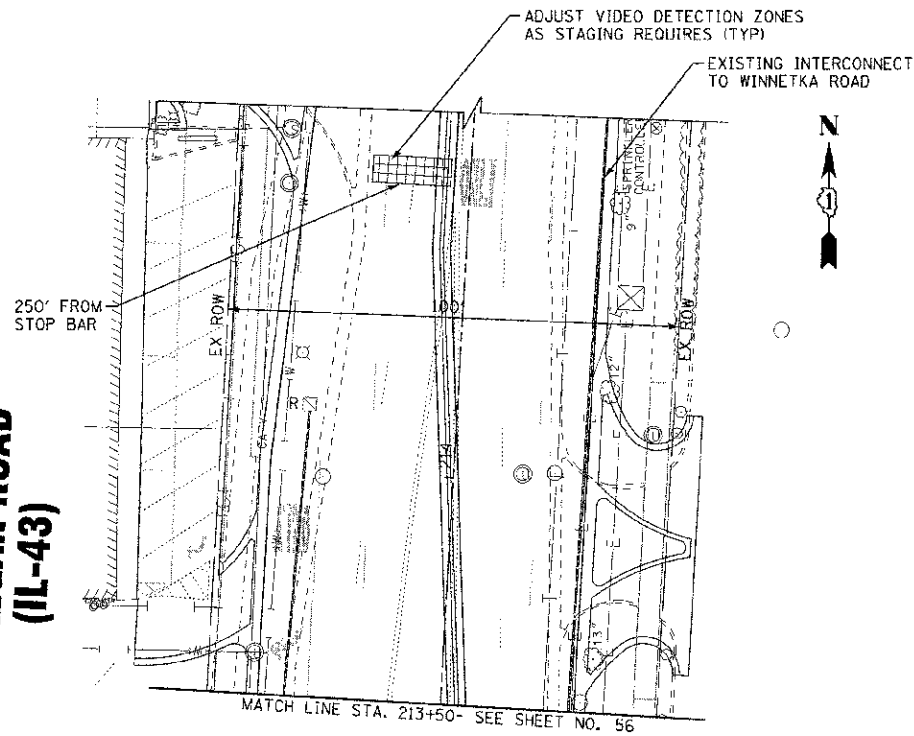
**TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN**  
**WAUKEGAN ROAD (IL-43) AND CHESTNUT AVENUE**

SCALE: 1"=20'

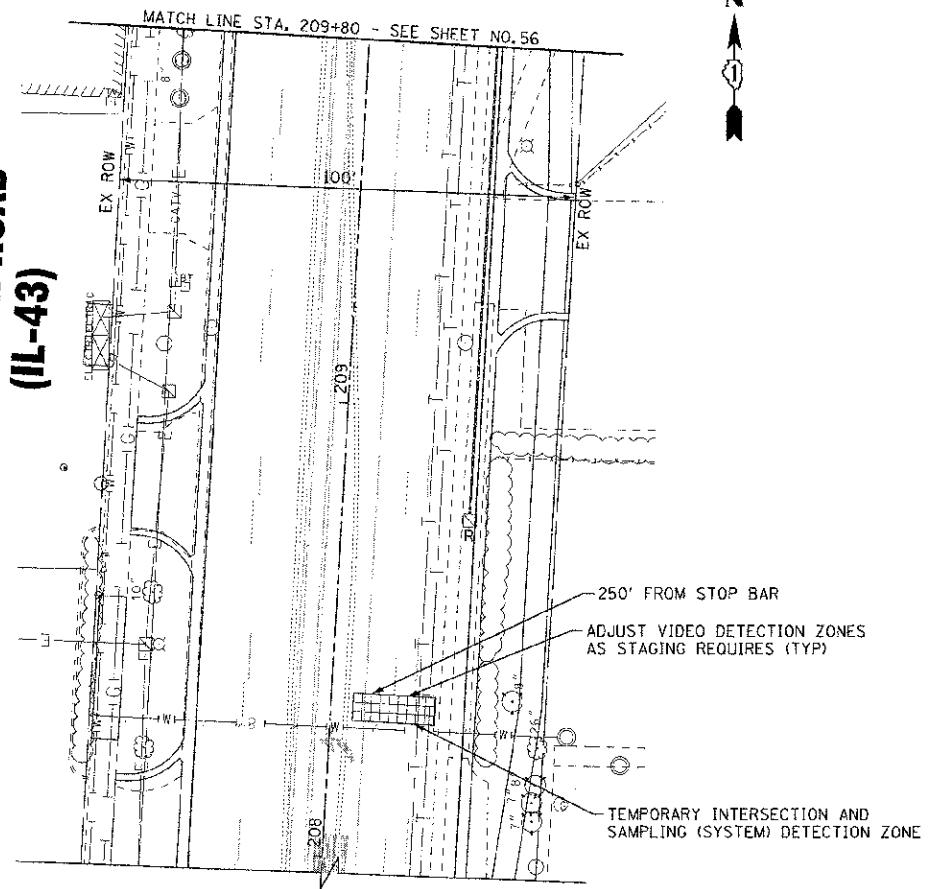
STA. TO STA.

F.A.P./F.A.U. RTE. 0348/1352	SECTION 05 00160 00 CH	COUNTY CCOK	TOTAL SHEETS 109	SHEET NO. 56
C-91-070-06		CONTRACT NO. 63756		
FED. ROAD DIST. NO. 1 (ILLINOIS)		FED. AID PROJECT #-0348/951		

# WAUKEGAN ROAD (IL-43)



# WAUKEGAN ROAD (IL-43)



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 CIVIL ENGINEERING DIVISION  
 4242147-M



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CHECKED - TLH	REVISED -
DATE 8/23/12	FILE - 1:0025-12-TS_TEMP_PLAN.sht

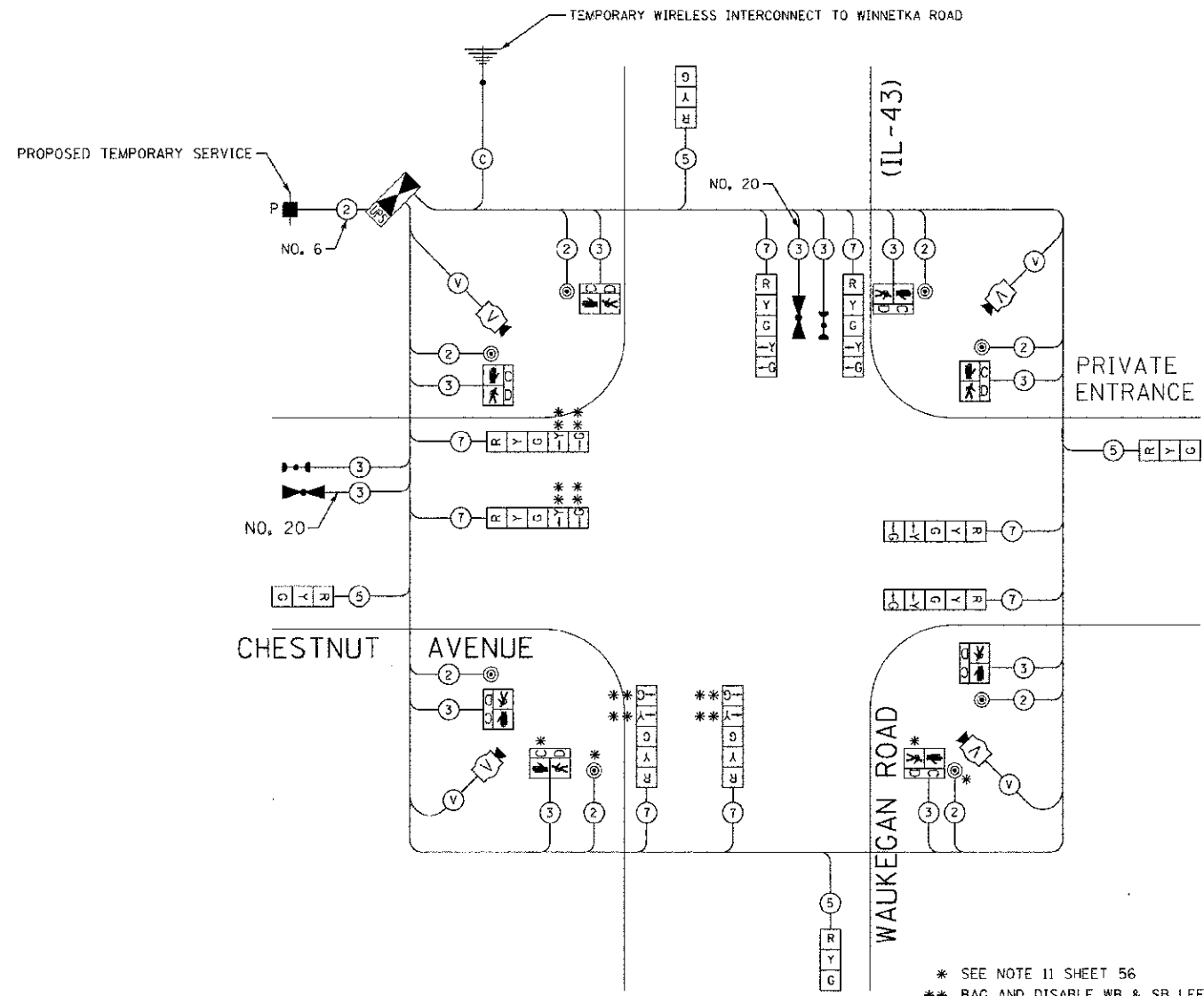
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

## TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN WAUKEGAN ROAD (IL-43) AND CHESTNUT AVENUE

SCALE: 1"=20'

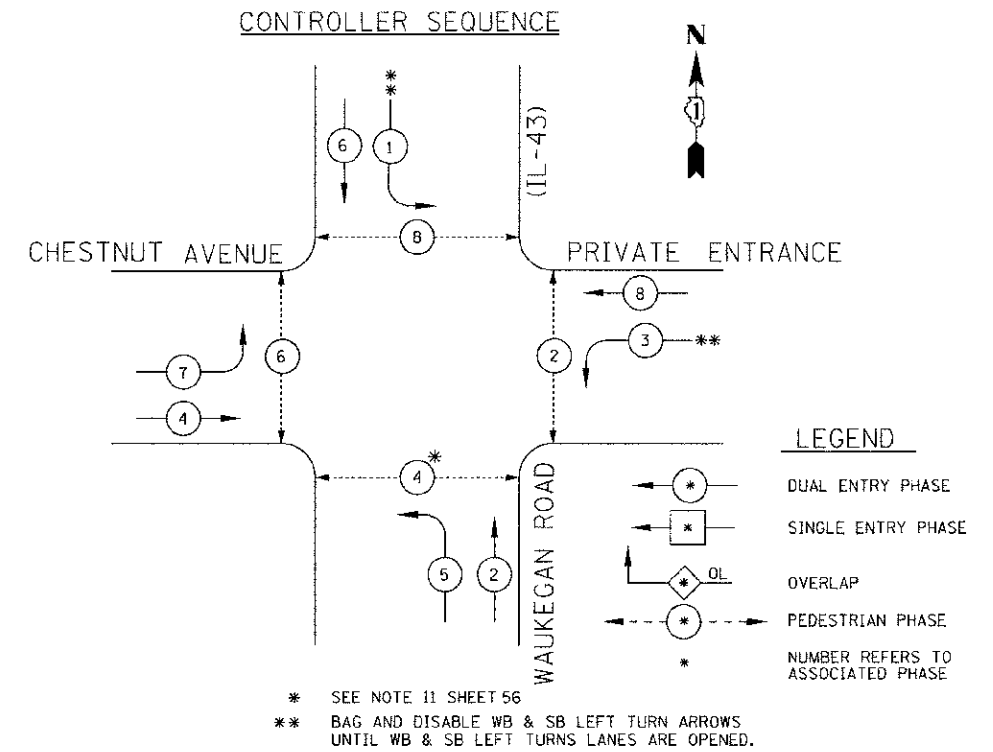
STA. TO STA.

F.A.P./F.A.U. REF.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0348/1352	05 00160-00-CH	COOK	109	57
C-91-070-06		CONTRACT NO. 63756		
FED. ROAD DIST. NO. 1 (ILLINOIS)		FED. AID PROJECT F-0348135D		



TEMPORARY CABLE PLAN  
(NOT TO SCALE)

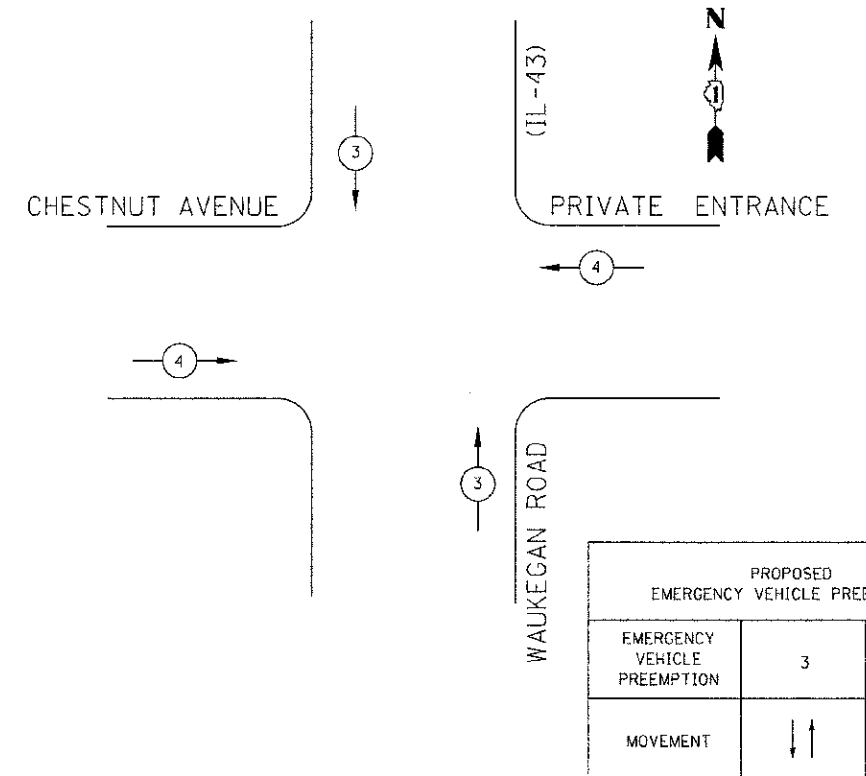
\* SEE NOTE 11 SHEET 56  
\*\* BAG AND DISABLE WB & SB LEFT TURN ARROWS UNTIL WB & SB LEFT TURNS LANES ARE OPENED.



TEMPORARY PHASE DESIGNATION DIAGRAM

\* SEE NOTE 11 SHEET 56  
\*\* BAG AND DISABLE WB & SB LEFT TURN ARROWS UNTIL WB & SB LEFT TURNS LANES ARE OPENED.

TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE



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 PROJECT NO. 05-00160-00-CH SHEET NO. 109 OF 109  
 DATE: 8/23/12

I.D.O.T TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE INCAND.	WATTAGE LED	%OPERATION	
SIGNAL (RED)	12		17	0.50	102.00
(YELLOW)	12		25	0.25	75.00
(GREEN)	12		15	0.25	45.00
ARROW	16		12	0.10	19.20
PED. SIGNAL	8		25	1.00	200.00
CONTROLLER	1	100		1.00	100.00
ILLUM. SIGN				0.05	---
VIDEO DET	1	150		1.00	150.00
FLASHER				0.50	-
ENERGY COSTS TO:				TOTAL =	691.20
ILLINOIS DEPARTMENT OF TRANSPORTATION 201 WEST CENTER COURT SCHAUMBURG, ILLINOIS 60196-1096					
ENERGY SUPPLY CONTACT: MAUREEN RAYE		PHONE: 847-816-5492			
COMPANY: CQM, ED.					

NOTE:  
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.



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DRAWN - MAC	REVISED -
CHECKED - FLH	REVISED -
DATE - 8/23/12	FILE - 1:0025-12-TS_TEMP_CABLE.sht

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

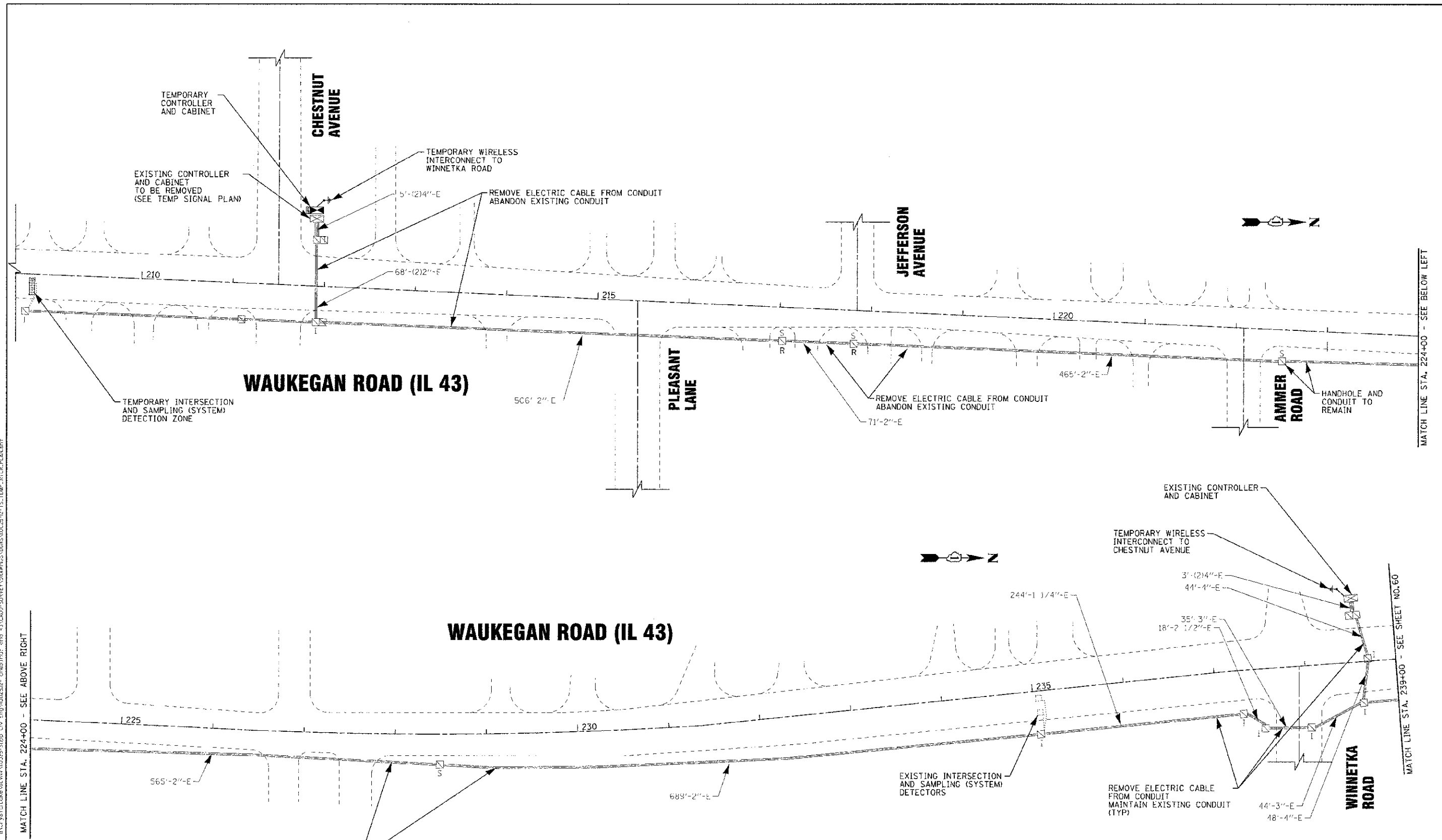
TEMPORARY CABLE PLAN  
AND TEMPORARY PHASE DESIGNATION DIAGRAM  
WAUKEGAN ROAD (IL-43) AND CHESTNUT AVENUE

SCALE: NONE

STA. TO STA.

F.A.P./F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0348/1352	05-00160-00-CH	COOK	109	58
C-91 070 06		CONTRACT NO. 63756		
FED. ROAD DIST. NO. 1 (ILLINOIS)		FED. AID PROJECT F-0348(35)		





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 LICENSE NO. 1816 - CONSTRUCTION  
 DATE 02/23/12



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CHECKED - TLI	REVISED -
DATE 02/23/12	FILE 110025-12-TS_TEMP_INTER.PLAN.sht

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

INTERCONNECT REMOVAL QUANTITIES		
ITEM	UNIT	QTY
REMOVE ELECTRIC CABLE FROM CONDUIT	FEET	2928
REMOVE EXISTING HAND HOLE	EACH	2

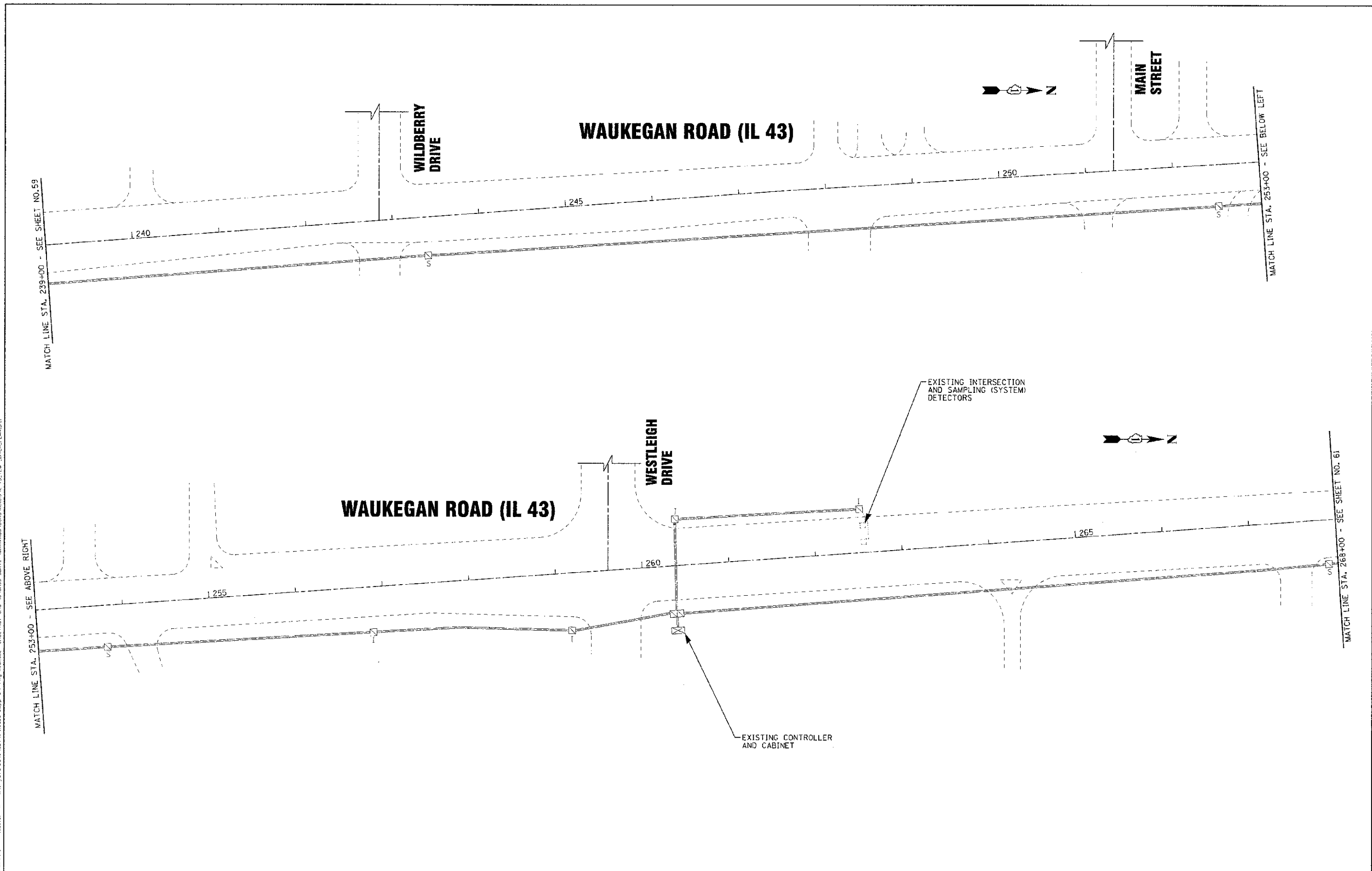
**TEMPORARY INTERCONNECT PLAN:  
CHESTNUT AVENUE TO TECHNY ROAD**

SCALE: 1"=50'      STA. 209+00 TO STA. 239+00

F.A.P./F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS: NO.
0348/1352	05-00:60-00-CH	CCOK	109 / 59
C-91-C70-06		CONTRACT NO.	63756
FED. ROAD DIST. NO. 1 (ILLINOIS)		FED. AID PROJECT F-0348(36)	

MATCH LINE STA. 224+00 - SEE BELOW LEFT

MATCH LINE STA. 239+00 - SEE SHEET NO. 60



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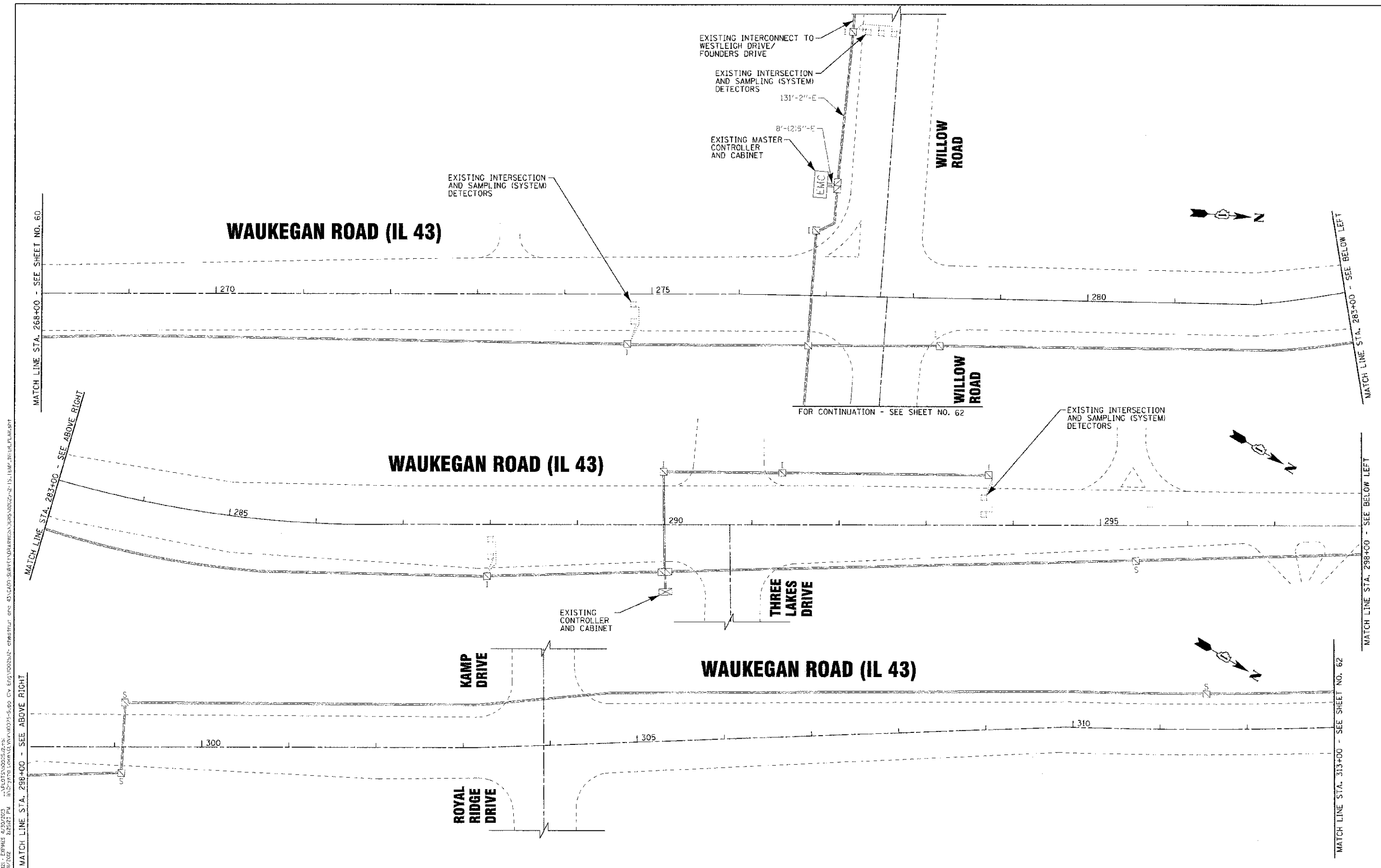
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DRAWN - MAC	REVISED -
CHECKED - TLH	REVISED -
DATE - 8/23/12	FILE - 110025-12-TS-TEMP.INTER.PLAN.sht

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**TEMPORARY INTERCONNECT PLAN:**  
**CHESTNUT AVENUE TO TECHNY ROAD**

SCALE: 1"=50'      STA. 239+00 TO STA. 268+00

F.A.P./F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0348/13S2	05-00160-00-CH	COOK	109	60
C-91-070-06			CONTRACT NO. 63756	
FED. ROAD DIST. NO. 1 ILLINOIS			FED. AID PROJECT F 0348(35)	



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 DATE: 9/23/12

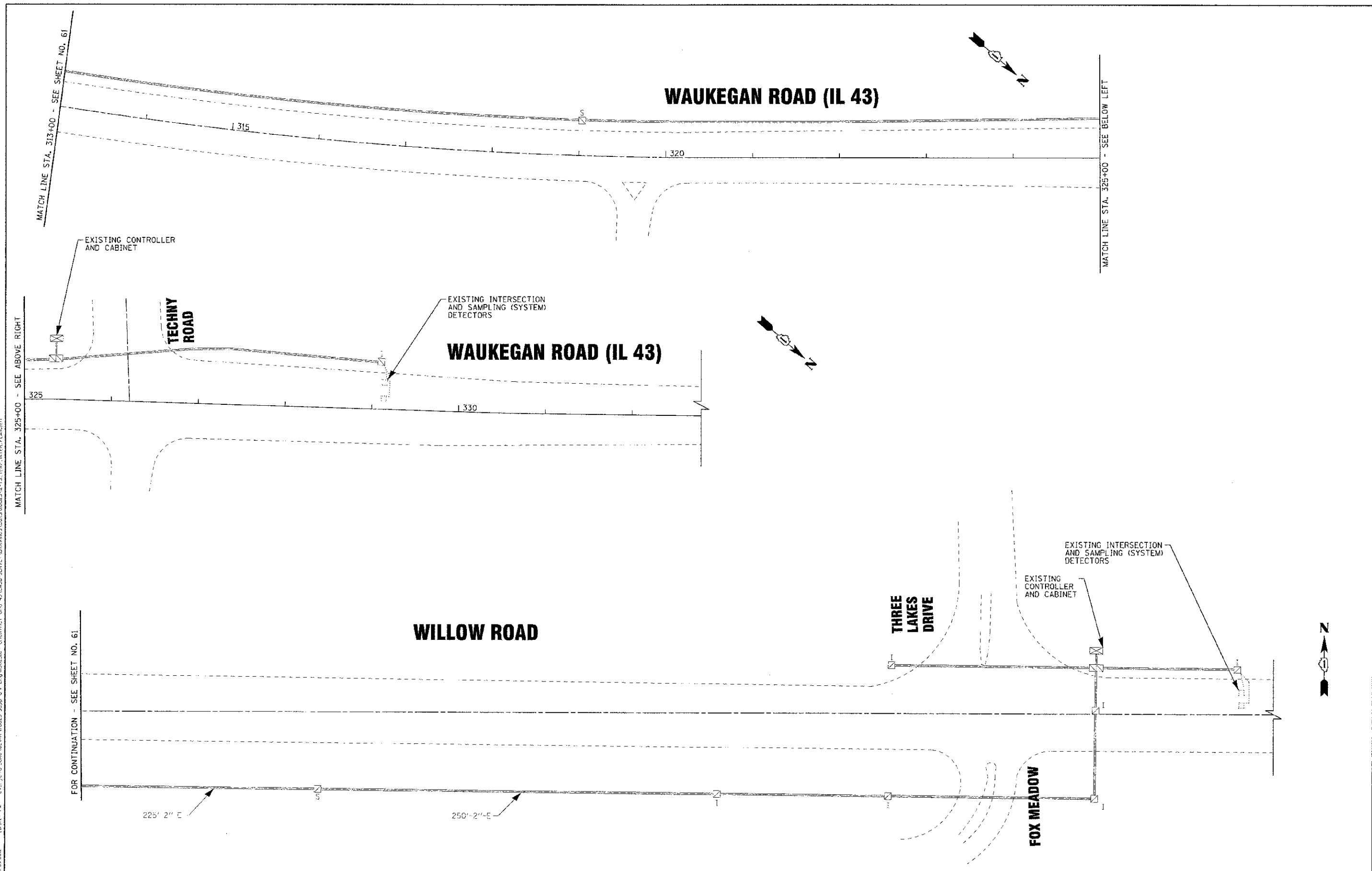
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DRAWN - MAC	REVISED - 10/29/12 PER IDOT
CHECKED - TLH	REVISED -
DATE 9/23/12	FILE - \\10025-12-TS_TEMP_INTER_PLAN.sht

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY INTERCONNECT PLAN:  
CHESTNUT AVENUE TO TECHNY ROAD**

SCALE: 1"=50'      STA. 268+00 TO STA. 313+00

F.A.P./F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0348/1352	05-00160-00-CH	COOK	109	61
C-91-070-06			CONTRACT NO. 63756	
FED. ROAD DIST. NO. 1 (ILLINOIS)			FED. AID PROJECT F-0348(35)	



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 110025-12-TS-TEMP\_INTER.PLAN.shx  
 02/23/12



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DRAWN - MAC	REVISED -
CHECKED - TLH	REVISED -
DATE - 02/23/12	FILE - 110025-12-TS-TEMP_INTER.PLAN.shx

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**


















**TEMPORARY INTERCONNECT PLAN:  
CHESTNUT AVENUE TO TECHNY ROAD**

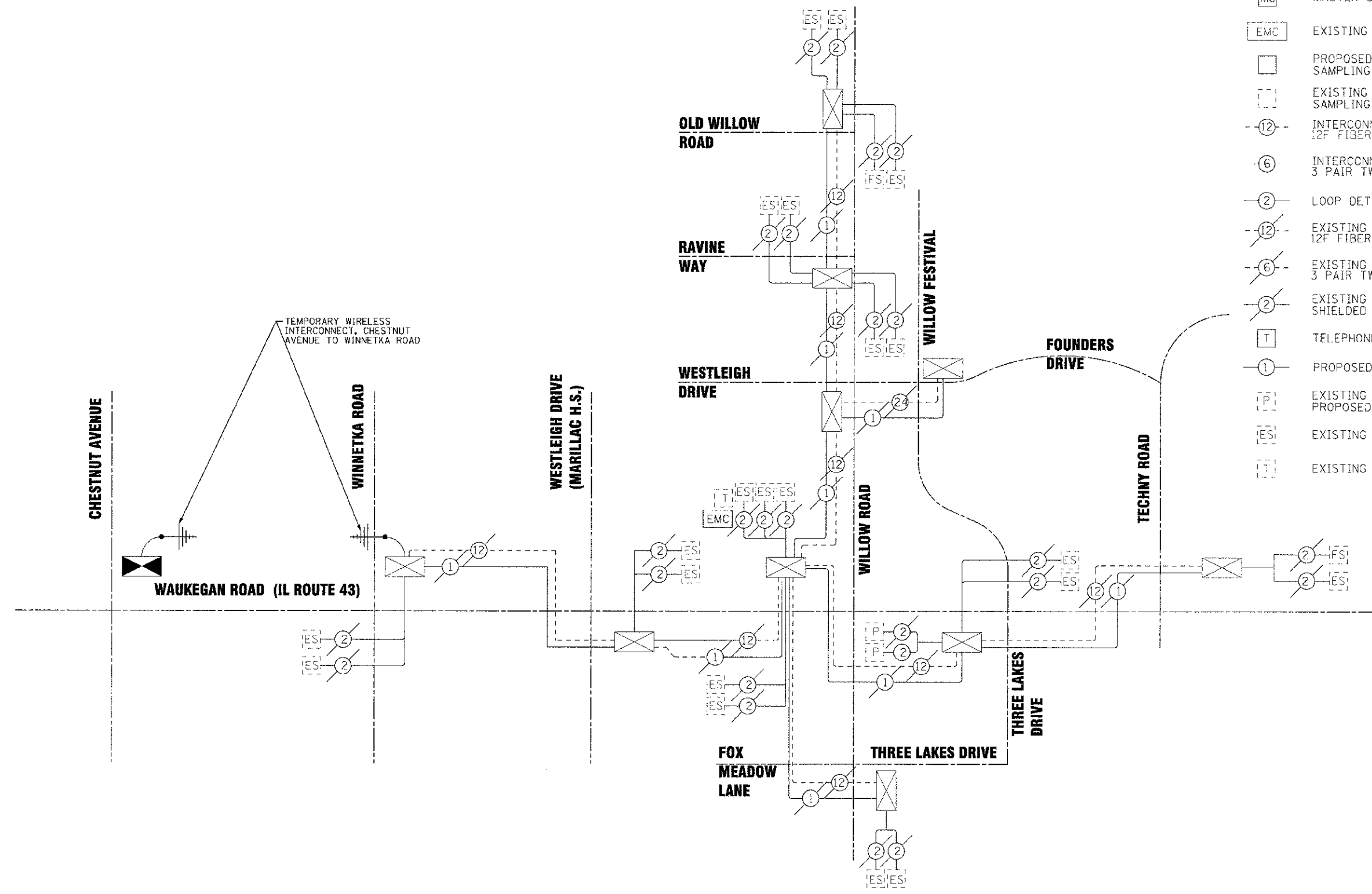
SCALE: 1"=50'

STA. 313+00 TO STA. 332+00

F.A.P./F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0348/1352	05-00160-00-CH	COOK	109	62
C-91-070-06		CONTRACT NO. 63756		
FED. ROAD DIST. NO. 1 (ILLINOIS)		FED. AID PROJECT F-0348(35)		

LEGEND

-  INTERSECTION CONTROLLER CABINET
-  EXISTING INTERSECTION CONTROLLER CABINET
-  MASTER CONTROLLER
-  EXISTING MASTER CONTROLLER
-  PROPOSED INTERSECTION & SAMPLING (SYSTEM) DETECTORS
-  EXISTING INTERSECTION & SAMPLING (SYSTEM) DETECTORS
-  INTERCONNECT CABLE NO. 62.5 / 125 12F FIBER OPTIC CABLE
-  INTERCONNECT CABLE NO. 18, 3 PAIR TWISTED, SHIELDED
-  LOOP DETECTOR CABLE 2/C TWISTED, SHIELDED
-  EXISTING INTERCONNECT CABLE NO. 62.5 / 125 12F FIBER OPTIC CABLE
-  EXISTING INTERCONNECT CABLE NO. 18, 3 PAIR TWISTED, SHIELDED
-  EXISTING LOOP DETECTOR CABLE 2/C TWISTED, SHIELDED
-  TELEPHONE CONNECTION
-  PROPOSED TRACER CABLE NO. 10 1/C
-  EXISTING INTERSECTION LOOP DETECTORS AND PROPOSED SAMPLING (SYSTEM) DETECTORS
-  EXISTING SAMPLING (SYSTEM) DETECTORS
-  EXISTING TELEPHONE CONNECTION



TEMPORARY WIRELESS INTERCONNECT, CHESTNUT AVENUE TO WINNETKA ROAD

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DATE - 8/23/12	FILE - 1:0025-12-TS_TEMP_INTER_CHEM.sht

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TEMPORARY INTERCONNECT SCHEMATIC:  
WAUKEGAN ROAD (IL ROUTE 43)  
CHESTNUT AVENUE TO TECHNY ROAD

SCALE: NONE

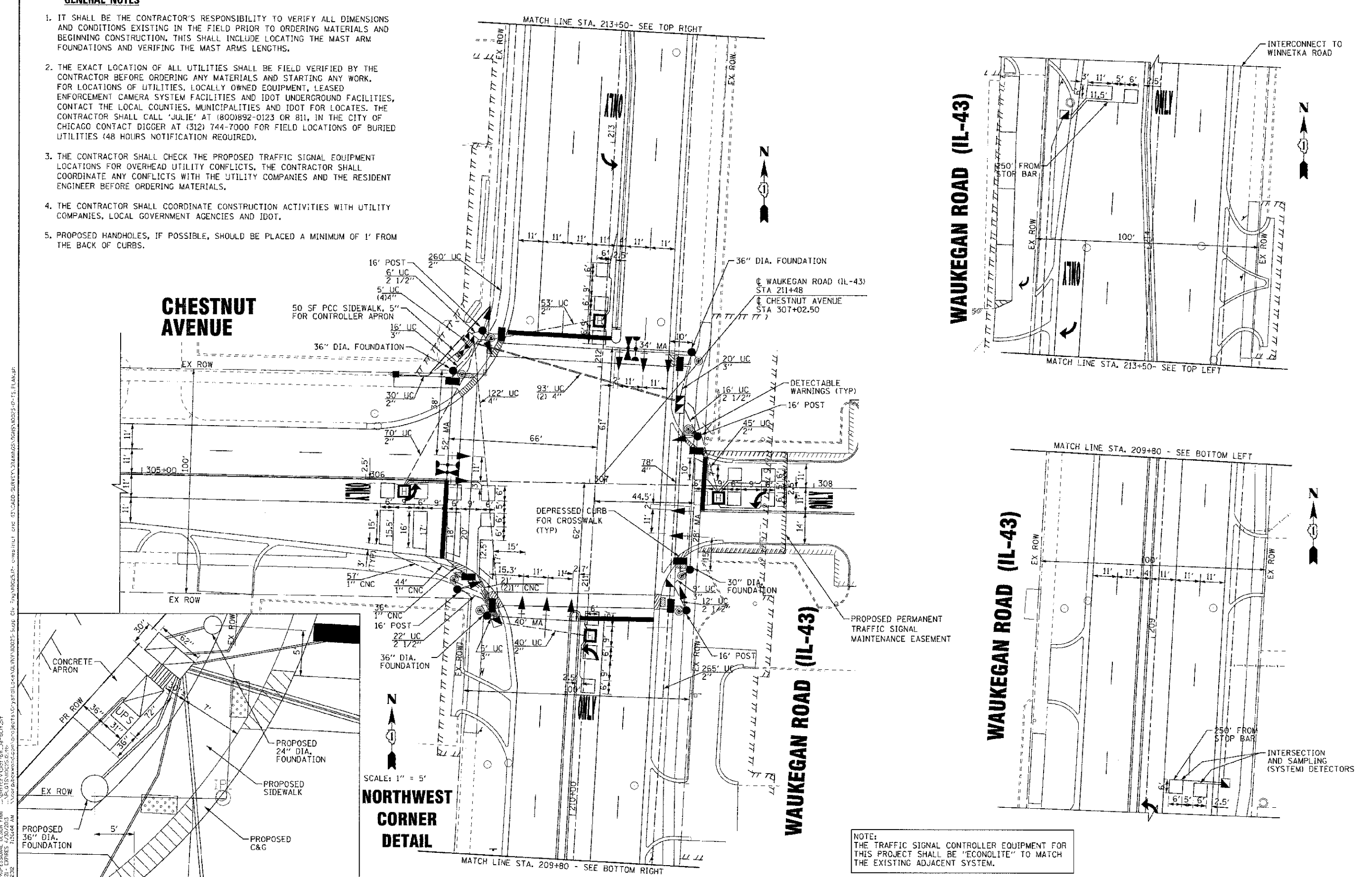
STA. TO STA.

F.A.P./F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0348/1352	05-00-60-00-CH	COOK	109	63
C-91-070-06		CONTRACT NO. 63756		
FED. ROAD DIST. NO. 1 (ILLINOIS)		FED. AID PROJECT F-0348(35)		

**GENERAL NOTES**

1. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION. THIS SHALL INCLUDE LOCATING THE MAST ARM FOUNDATIONS AND VERIFYING THE MAST ARM LENGTHS.
2. THE EXACT LOCATION OF ALL UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE ORDERING ANY MATERIALS AND STARTING ANY WORK. FOR LOCATIONS OF UTILITIES, LOCALLY OWNED EQUIPMENT, LEASED ENFORCEMENT CAMERA SYSTEM FACILITIES AND IDOT UNDERGROUND FACILITIES, CONTACT THE LOCAL COUNTIES, MUNICIPALITIES AND IDOT FOR LOCATES. THE CONTRACTOR SHALL CALL 'JULIE' AT (800)892-0123 OR 811, IN THE CITY OF CHICAGO CONTACT DIGGER AT (312) 744-7000 FOR FIELD LOCATIONS OF BURIED UTILITIES (48 HOURS NOTIFICATION REQUIRED).
3. THE CONTRACTOR SHALL CHECK THE PROPOSED TRAFFIC SIGNAL EQUIPMENT LOCATIONS FOR OVERHEAD UTILITY CONFLICTS. THE CONTRACTOR SHALL COORDINATE ANY CONFLICTS WITH THE UTILITY COMPANIES AND THE RESIDENT ENGINEER BEFORE ORDERING MATERIALS.
4. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, LOCAL GOVERNMENT AGENCIES AND IDOT.
5. PROPOSED HANDHOLES, IF POSSIBLE, SHOULD BE PLACED A MINIMUM OF 1' FROM THE BACK OF CURBS.

C:\P\60103\2012\BAXTER & WOODMAN, INC. STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM  
 PROJECT NO. 05-CD160-00-CH  
 SHEET NO. 109 OF 64  
 DATE: 8/23/12  
 FILE: 110025-12-TS-PLAN.651

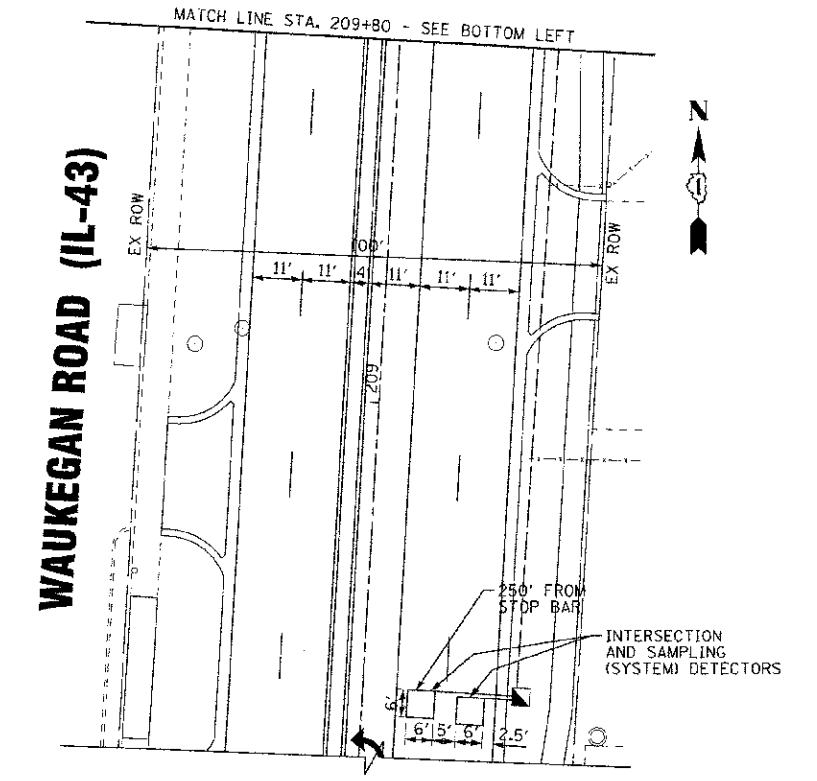
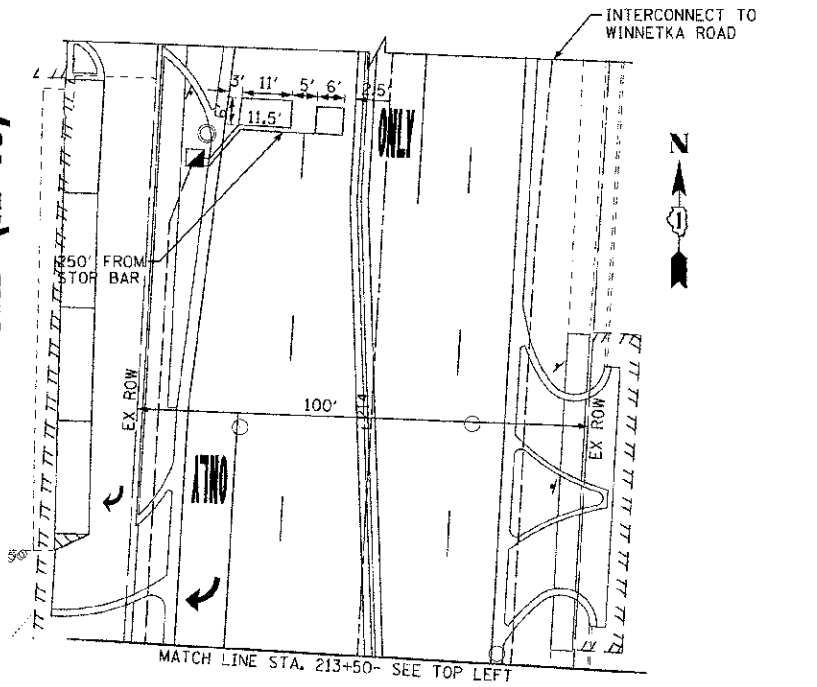
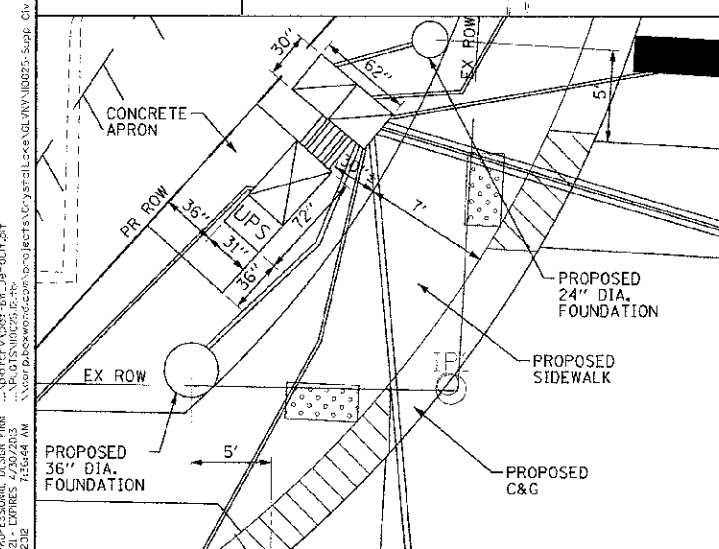


**CHESTNUT AVENUE**

**WAUKEGAN ROAD (IL-43)**

**WAUKEGAN ROAD (IL-43)**

**NORTHWEST CORNER DETAIL**



NOTE:  
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE 'ECONOLITE' TO MATCH THE EXISTING ADJACENT SYSTEM.

	DESIGNED - DSH	REVISED - 9/28/12 PER IDOT	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL INSTALLATION PLAN WAUKEGAN ROAD (IL-43) AND CHESTNUT AVENUE		F.A.P./F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - MAC	REVISED - 10/29/12 PER IDOT		SCALE: 1"=20'	STA.	TO STA.	0348/1352	05-CD160-00-CH	COOK	109
CHECKED - TLH	REVISED -	FILE - 110025-12-TS-PLAN.651				C-91-070-06			CONTRACT NO. 63756	
DATE - 8/23/12						FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT F-6348(35)		



SCHEDULE OF QUANTITIES

PAY ITEM	UNIT	QUANTITY
PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	50
SERVICE INSTALLATION - POLE MOUNTED	EACH	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	763
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	56
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	50
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	406
HANDHOLE	EACH	4
HEAVY-DUTY HANDHOLE	EACH	4
DOUBLE HANDHOLE	EACH	2
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1,224
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1,598
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	959
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1,706
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	2,148
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	53
ELECTRIC CABLE IN CONDUIT, EQUIPMENT, GROUNDING CONDUCTOR, NO. 6 1C	FOOT	516
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	4
STEEL MAST ARM ASSEMBLY AND POLE, 28 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 34 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 52 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	16
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	10
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	39
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	5
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	3
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	5
SIGNAL HEAD, LED, 2-FACE, 5 SECTION, BRACKET MOUNTED	EACH	1
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8
TRAFFIC SIGNAL BACKPLATE, LOUVERED	EACH	10
INDUCTIVE LOOP DETECTOR	EACH	9
DETECTOR LOOP, TYPE I	FOOT	1,010
LIGHT DETECTOR	EACH	2
LIGHT DETECTOR AMPLIFIER	EACH	1
PEDESTRIAN PUSH-BUTTON	EACH	8
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING SERVICE INSTALLATION	EACH	1
REMOVE EXISTING ELECTRIC CABLE FROM CONDUIT	FOOT	7,325
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	10
REMOVE EXISTING CONCRETE FOUNDATION	EACH	8
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	318
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
UNINTERRUPTIBLE POWER SUPPLY, SPECIAL	EACH	1

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE INCAND.	WATTAGE LED	%OPERATION	
SIGNAL (RED)	15	17	0.50	127.50	
(YELLOW)	15	25	0.25	93.75	
(GREEN)	15	15	0.25	56.25	
ARROW	20	12	0.10	24.00	
PED. SIGNAL	8	25	1.00	200.00	
CONTROLLER	1	100	1.00	100.00	
ILLUM. SIGN		90	0.50		
VIDEO DET.		150	1.00		
LUMINAIRE			0.50		
FLASHER			0.50		

ENERGY COSTS TO: TOTAL = 601.50  
 ILLINOIS DEPARTMENT OF TRANSPORTATION  
 201 WEST CENTER COURT  
 SCHAMBURG, ILLINOIS 60196-1096  
 ENERGY SUPPLY CONTACT: MAUREEN RAYE  
 PHONE: 847-816-5492  
 COMPANY: COM. ED.



DESIGNED - DSH	REVISED - 9/28/12 PER IDOT
DRAWN - MAC	REVISED -
CHECKED - TLH	REVISED -
DATE - 8/23/12	FILE - 110025-12-TS-CABLE.eht

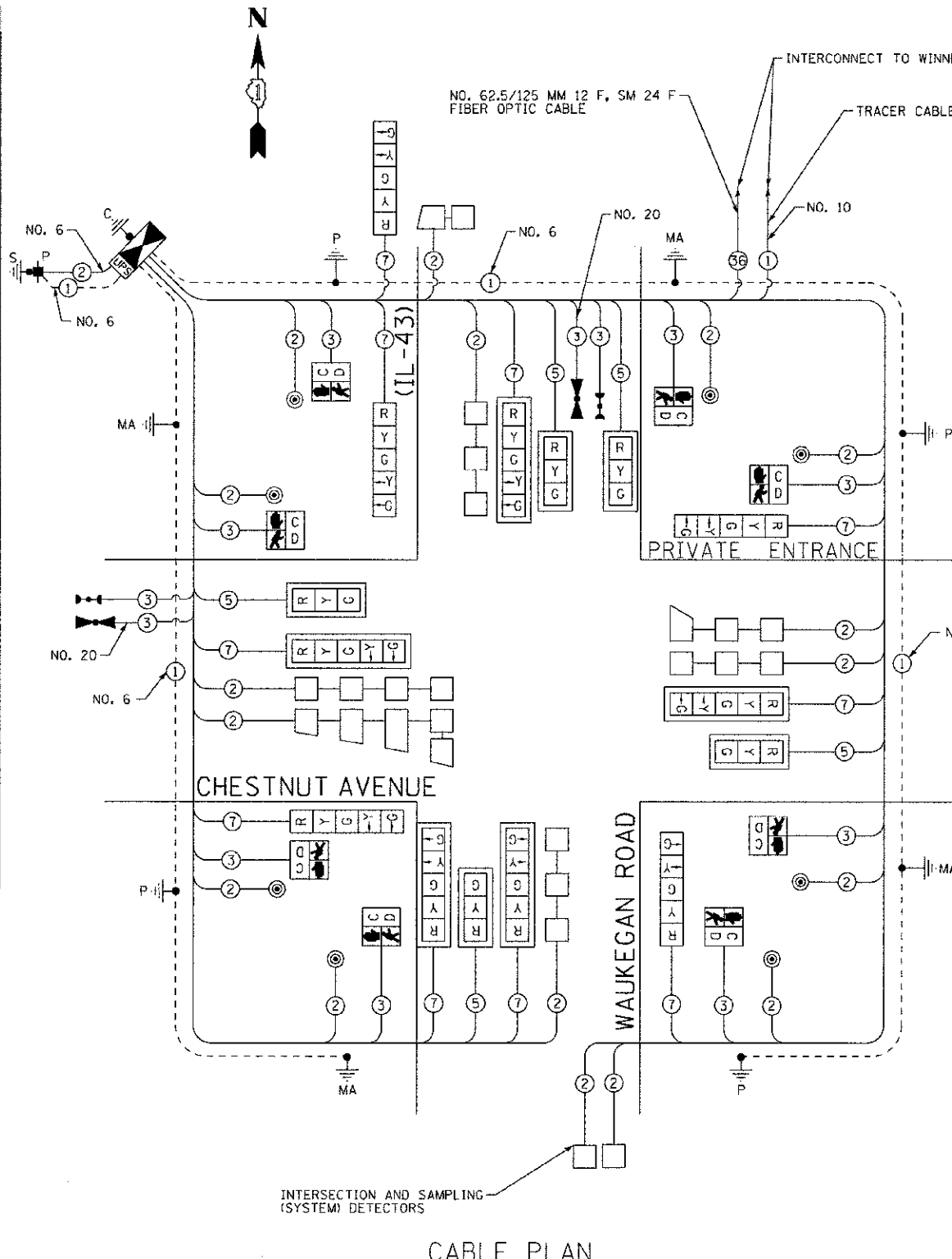
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN AND  
 PHASE DESIGNATION DIAGRAM  
 WAUKEGAN ROAD (IL-43) AND CHESTNUT AVENUE

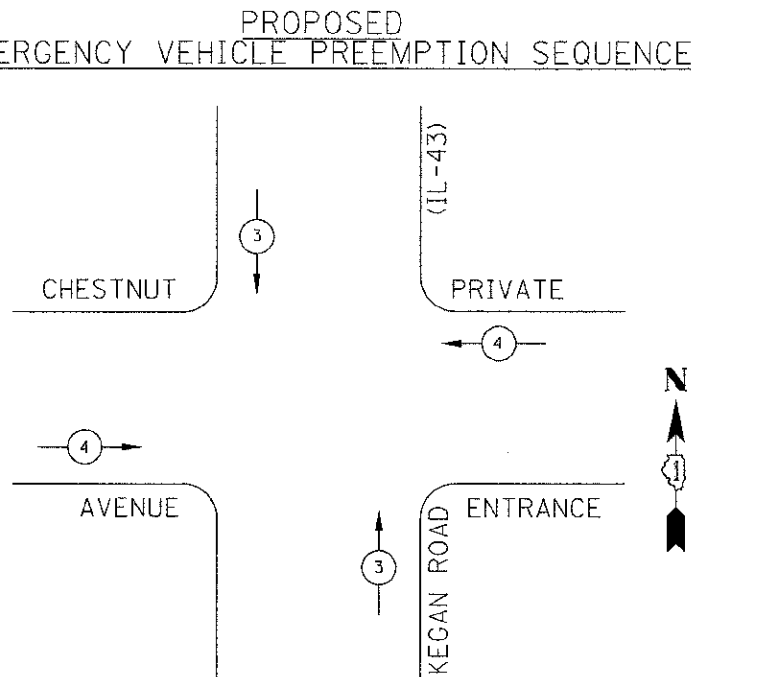
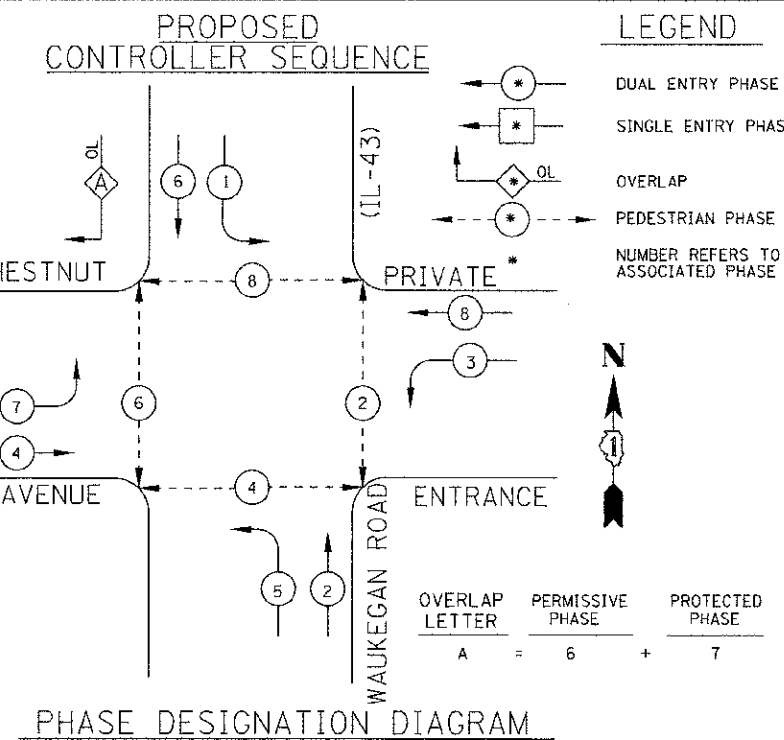
SCALE: NONE STA. TO STA.

F.A.P./F.A.U. RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0348/1352	05-00160-00-CH	COOK	109	65
	C-91-070-06		CONTRACT NO. 63756	
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJ. ECT F-0348(35)		

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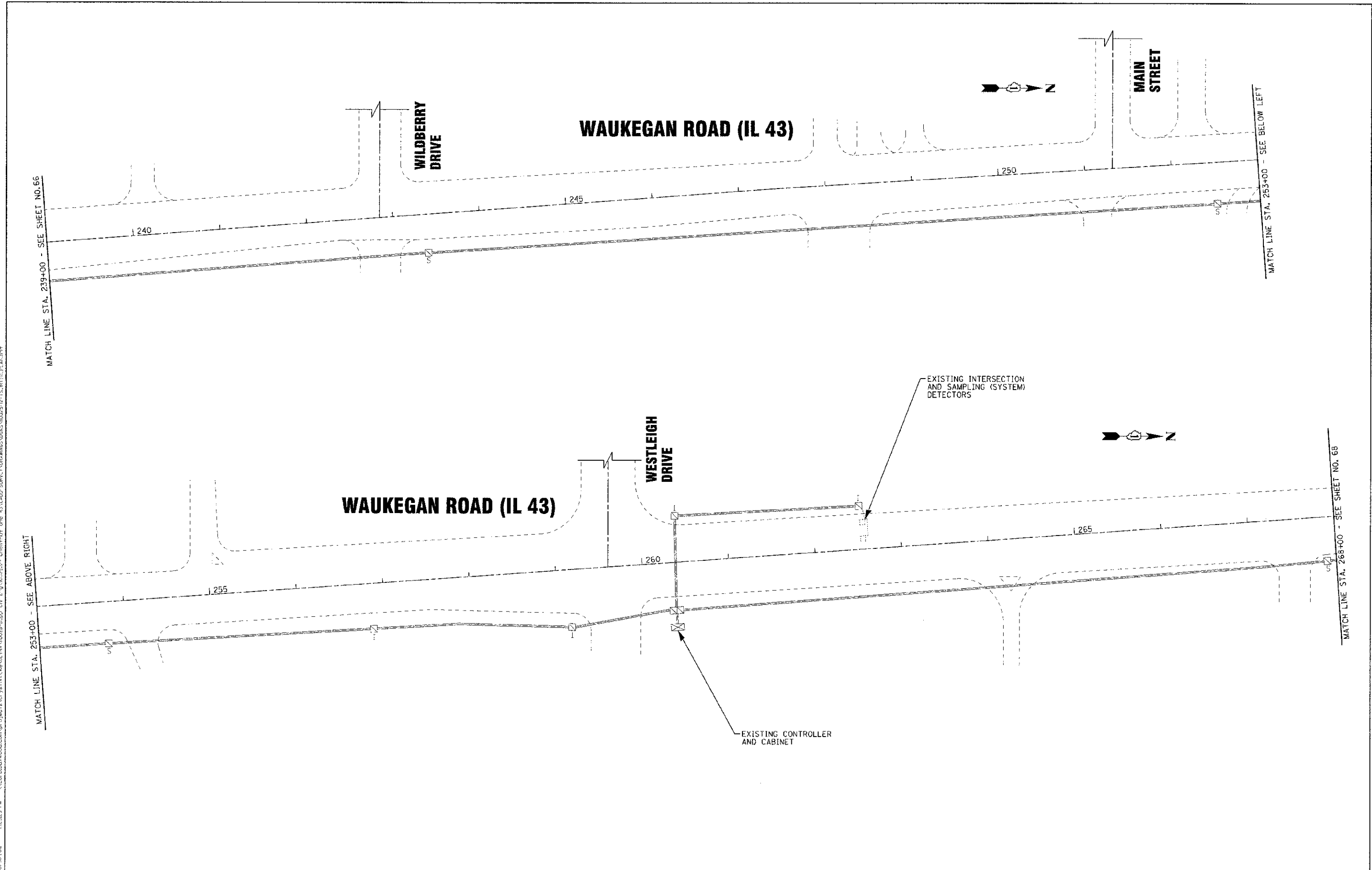
ACCESSIBLE PEDESTRIAN SIGNALS



PROPOSED EMERGENCY VEHICLE PREEMPTION		
EMERGENCY VEHICLE PREEMPTION	3	4
MOVEMENT	↑	→



PROJECT # 2012 BY BANGS & WOODMAN, INC.  
 STATE OF ILLINOIS - PROFESSIONAL DESIGN - TRM  
 LICENSE NO. 0849021 - EXPIRES 12/31/2012  
 02/17/2012 2:52:29 PM \\snp02025\proj\11\0025-12-TS-INTER.PLAN.SHT



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DRAWN - MAC	REVISED -
CHECKED - TLH	REVISED -
DATE - 6/23/12	FILE - 110025-12-TS-INTER.PLAN.SHT

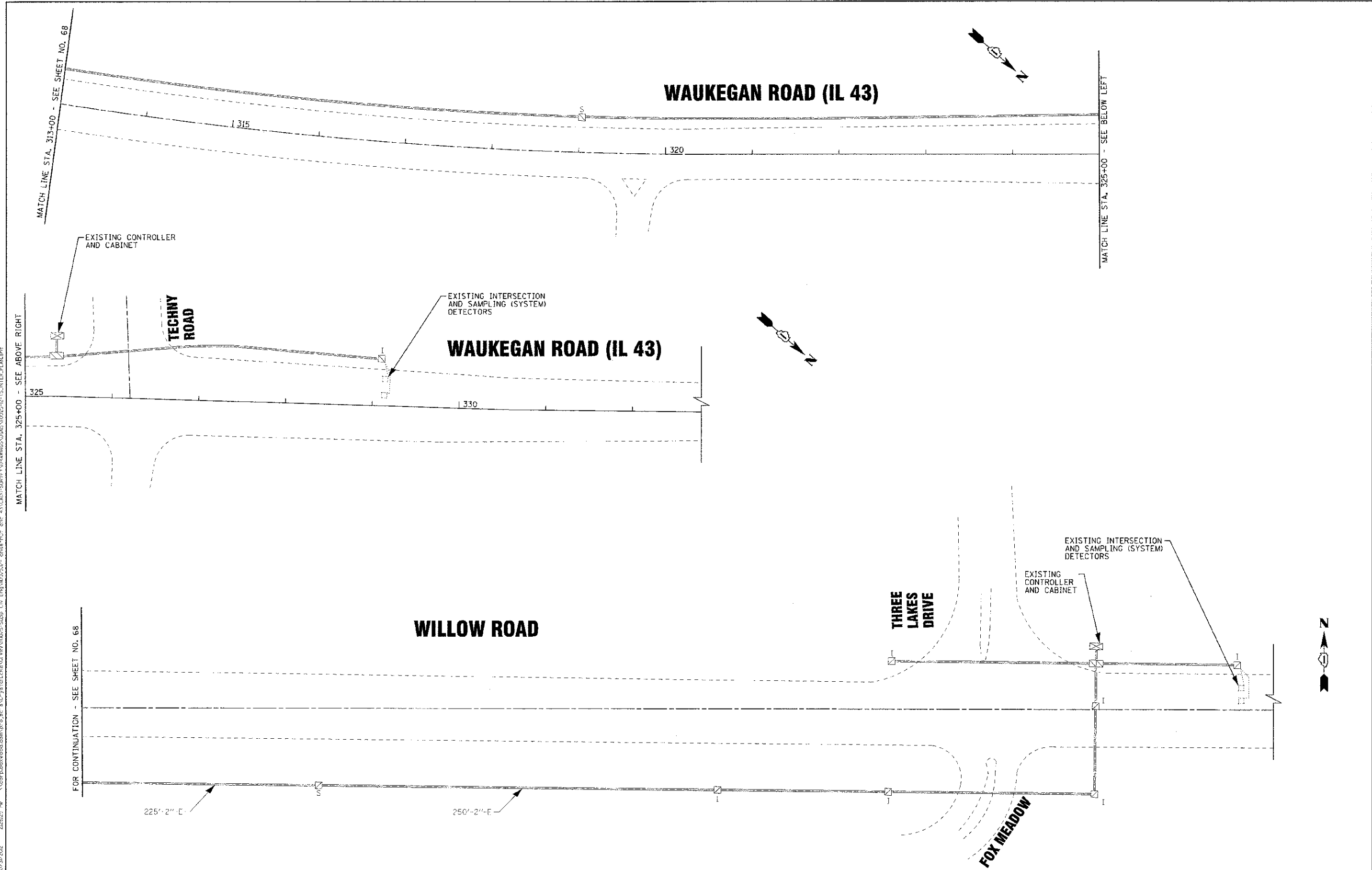
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

INTERCONNECT PLAN:  
 CHESTNUT AVENUE TO TECHNY ROAD

SCALE: 1"=50'

STA. 239+00 TO STA. 268+00

F.A.P./F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0348/1352	05-00160-00-CH	COOK	109	67
C-91-070-06			CONTRACT NO. 63756	
FED. ROAD DIST. NO. 1 (ILLINOIS)			FED. AID PROJECT F-0348(39)	



DRAWN BY: J. WOODMAN  
 CHECKED BY: T. L. HARRIS  
 DATE: 8/23/12  
 PROJECT: 110025-12-TS-INTER.PLAN.sht



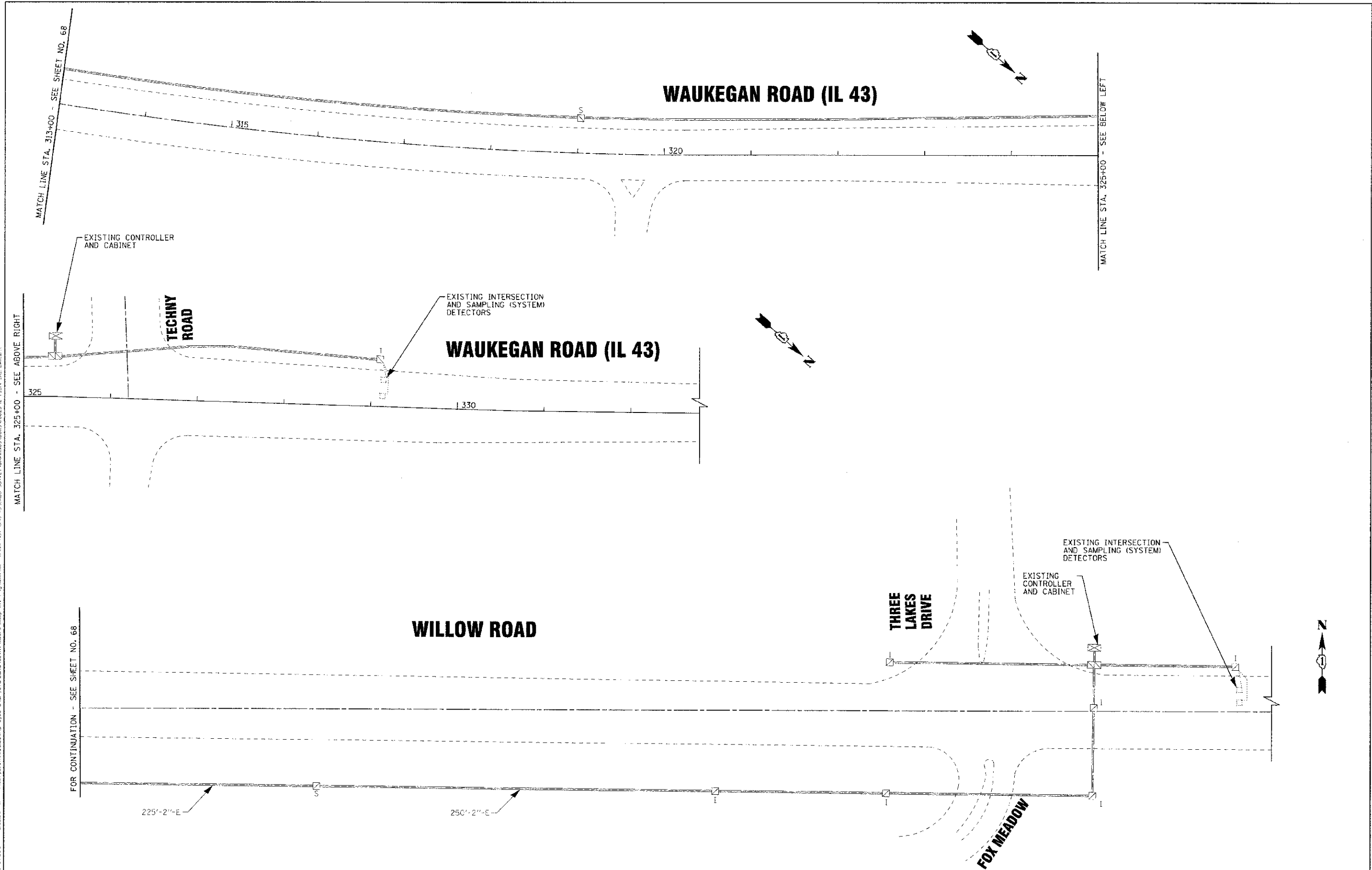
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CHECKED	- TLH	REVISED	-
DATE	- 8/23/12	FILE	- 110025-12-TS-INTER.PLAN.sht

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**INTERCONNECT PLAN:  
CHESTNUT AVENUE TO TECHNY ROAD**

SCALE: 1"=50'      STA. 313+00 TO STA. 332+00

F.A.P./F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0348/1352	05-00160-00-CH	COOK	109	68
C-91-070-06		CONTRACT NO. 63756		
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT F-0348(35)		



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 STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM  
 LICENSE NO. - 084-0022 - EXPIRES 2/29/2013  
 12/27/2012  
 PROJECT NO. 110025-12-TS-INTER\_PLAN.shp  
 PROJECT NAME: CHESTNUT AVENUE TO TECHNY ROAD  
 PROJECT LOCATION: WILLOW ROAD, COOK COUNTY, ILLINOIS  
 PROJECT DESCRIPTION: INTERCONNECT PLAN

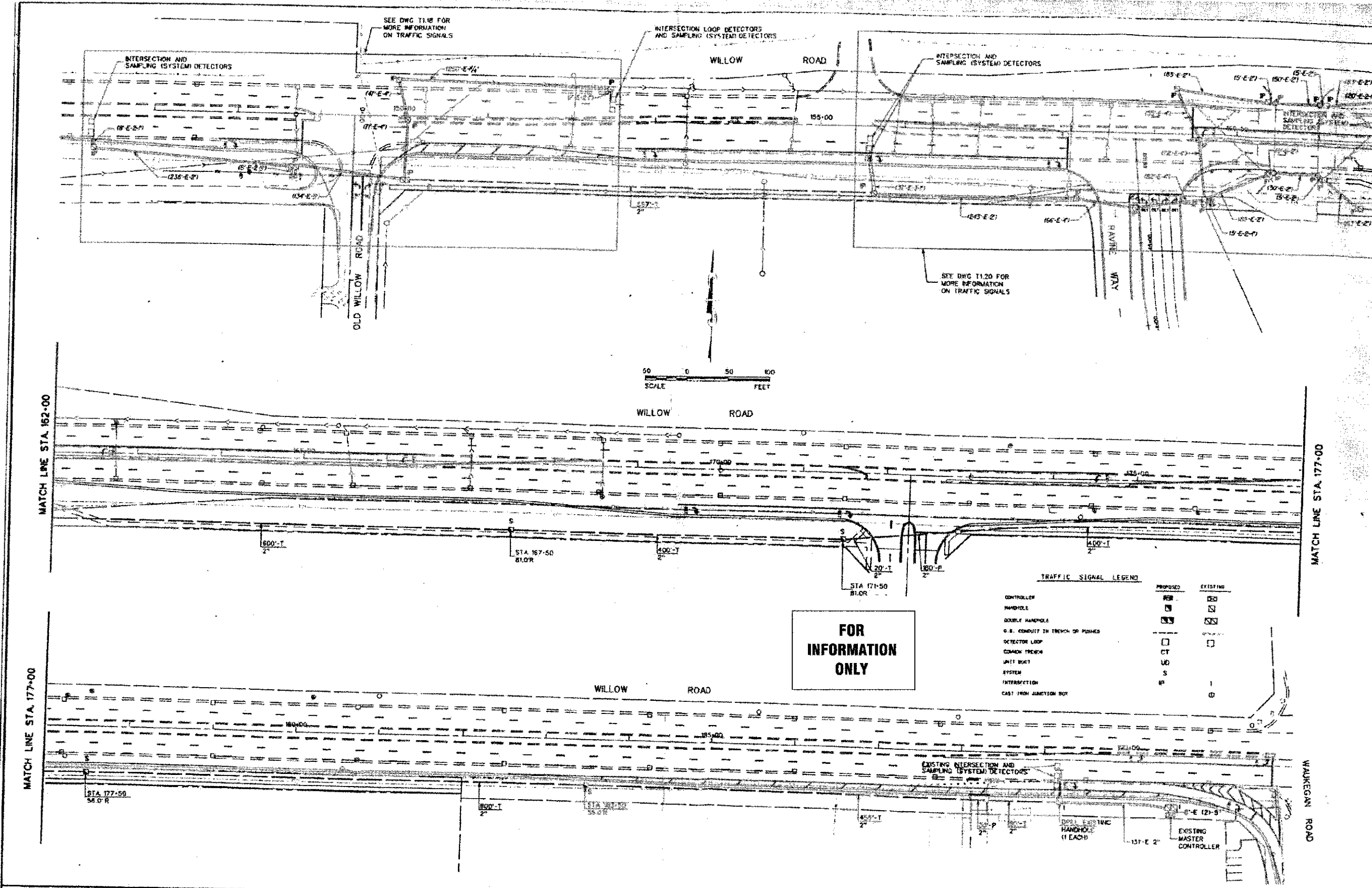
 <b>BAXTER &amp; WOODMAN</b> Consulting Engineers	DESIGNED - DSH	REVISED - 9/20/12 PER IDOT
	DRAWN - MAC	REVISED -
	CHECKED - TLH	REVISED -
	DATE - 8/23/12	FILE - 110025-12-TS-INTER_PLAN.shp

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**INTERCONNECT PLAN:**  
**CHESTNUT AVENUE TO TECHNY ROAD**

SCALE: 1"=50'      STA. 313+00 TO STA. 332+00

F.A.P./F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0348/1352	05-00160-00-CH	COOK	109	69
C-91-070-06		CONTRACT NO. 63756		
FED. ROAD DIST. NO. 1 (ILLINOIS)		FED. AID PROJECT F-0348(35)		



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 PROJECT: ILLINOIS DEPARTMENT OF TRANSPORTATION - INTERCONNECT PLAN - WILLOW ROAD TO THREE LAKES DRIVE  
 DRAWING NO: 0348/1352  
 DATE: 8/23/12

NO.	DATE	DESCRIPTION	NO.	DATE	DESCRIPTION
1	8/23/12	DESIGNED	1	8/23/12	DESIGNED
2	10/29/12	REVISED PER 100"	2	10/29/12	REVISED PER 100"



DESIGNED	- DSH	REVISED	- 10/29/12 PER 100"
DRAWN	- MAC	REVISED	
CHECKED	- TLH	REVISED	
DATE	- 8/23/12	FILE	- 110025-12-TS-INTER_PLAN.dwg

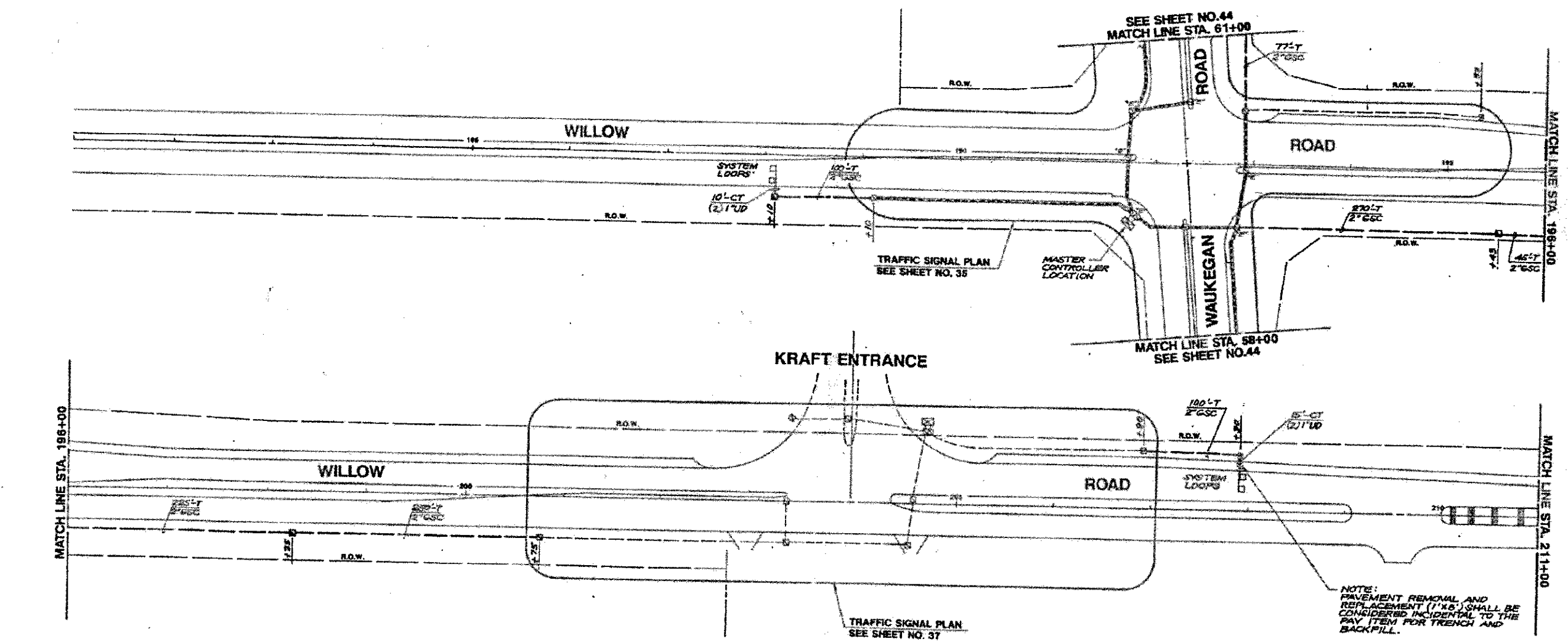
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

INTERCONNECT PLAN:  
WILLOW ROAD  
(OLD WILLOW ROAD TO THREE LAKES DRIVE)

F.A.P./F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0348/1352	05-00160-00-CH	COOK	109	69A
C-91-070-06		CONTRACT NO. 63756		
FED. ROAD DIST. NO. 1 (ILLINOIS)		FED. AID PROJECT F-0348(36)		

SCALE: STA. TO STA.





**FOR  
INFORMATION  
ONLY**

TRAFFIC SIGNAL INTERCONNECT		JOB NO.:	1988
WILLOW ROAD COOK COUNTY, ILLINOIS		SCALE:	1"=50'
DESIGNED BY: GMZ		DESIGNER:	JFW
DATE: 4/11/91		CHECKER:	ESM
BY: GMZ		DATE:	2/13/91
BY: [Signature]		TOTAL SHEETS:	61
BY: [Signature]		SHEET NO.:	45

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 STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM  
 2012/002  
 PROJECT: 110025-12-TS-INTER\_PLAN.sht  
 DRAWN: MAC  
 CHECKED: TLH  
 DATE: 8/23/12  
 FILE: 110025-12-TS-INTER\_PLAN.sht

DESIGNED - DSH	REVISED - 10/29/12 PER 100T
DRAWN - MAC	REVISED -
CHECKED - TLH	REVISED -
DATE - 8/23/12	FILE - 110025-12-TS-INTER_PLAN.sht

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

















**INTERCONNECT PLAN:  
WILLOW ROAD  
(OLD WILLOW ROAD TO THREE LAKES DRIVE)**

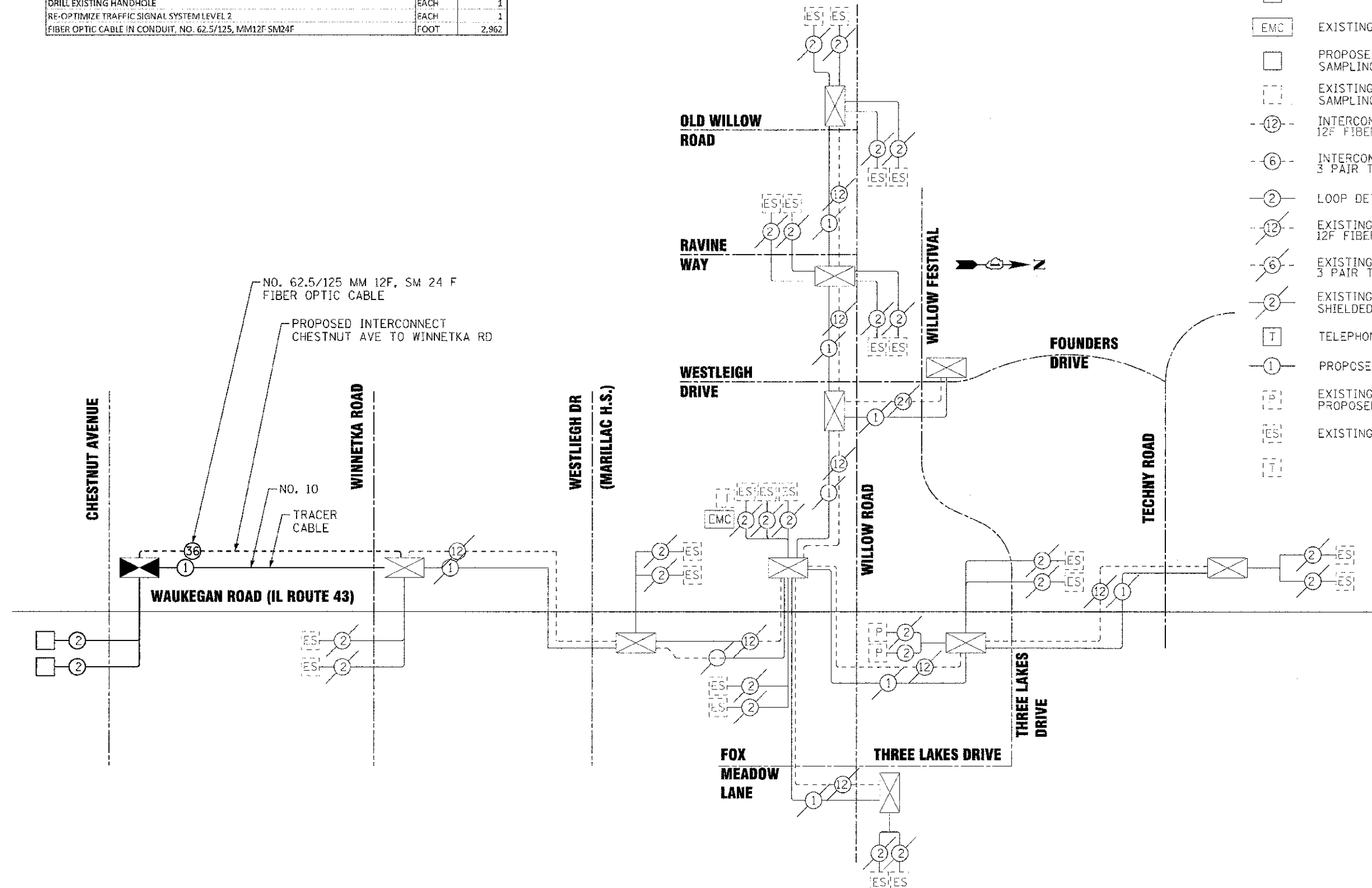
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0348/1352	05-00160-00-CH	COOK	109 698
C-91-070-06		CONTRACT NO. 63756	
FED. ROAD DIST. NO. 1 (ILLINOIS)		FED. AID PROJECT F-0348(05)	

INTERCONNECT SCHEDULE OF QUANTITIES

PAY ITEM	UNIT	QUANTITY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	1,044
HANDHOLE	EACH	1
TRANSCIVER - FIBER OPTIC	EACH	1
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	2,962
DRILL EXISTING HANDHOLE	EACH	1
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	1
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	2,962

LEGEND

-  INTERSECTION CONTROLLER CABINET
-  EXISTING INTERSECTION CONTROLLER CABINET
-  MASTER CONTROLLER
-  EXISTING MASTER CONTROLLER
-  PROPOSED INTERSECTION & SAMPLING (SYSTEM) DETECTORS
-  EXISTING INTERSECTION & SAMPLING (SYSTEM) DETECTORS
-  INTERCONNECT CABLE NO. 62.5 / 125 12F FIBER OPTIC CABLE
-  INTERCONNECT CABLE NO. 18, 3 PAIR TWISTED, SHIELDED
-  LOOP DETECTOR CABLE 2/C TWISTED, SHIELDED
-  EXISTING INTERCONNECT CABLE NO. 62.5 / 125 12F FIBER OPTIC CABLE
-  EXISTING INTERCONNECT CABLE NO. 18, 3 PAIR TWISTED, SHIELDED
-  EXISTING LOOP DETECTOR CABLE 2/C TWISTED, SHIELDED
-  TELEPHONE CONNECTION
-  PROPOSED TRACER CABLE NO. 10 1/C
-  EXISTING INTERSECTION LOOP DETECTORS AND PROPOSED SAMPLING (SYSTEM) DETECTORS
-  EXISTING SAMPLING (SYSTEM) DETECTORS



CONSULTANT: BAXTER WOODMAN CONSULTING ENGINEERS  
 PROJECT: WAUKEGAN RD (IL ROUTE 43) INTERCONNECT SCHEMATIC  
 DATE: 8/23/12  
 DRAWN BY: MAC  
 CHECKED BY: TLH  
 DESIGNED BY: DSH



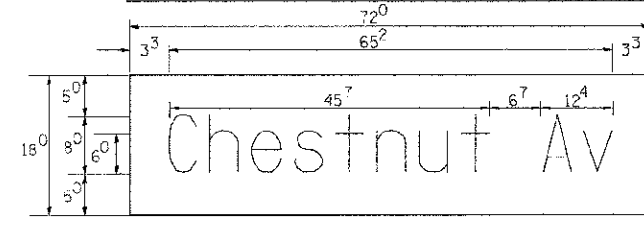
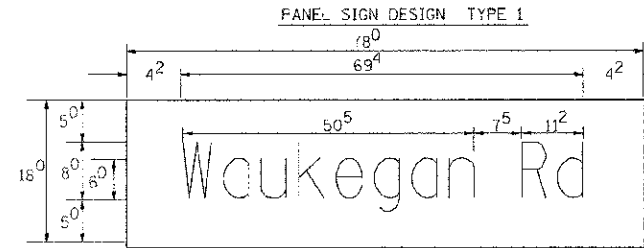
DESIGNED - DSH	REVISED - 9/28/12 PER IDOT
DRAWN - MAC	REVISED - 10/29/12 PER IDOT
CHECKED - TLH	REVISED -
DATE - 8/23/12	FILE - 110925-12-TS-INTER_SCHEM.sht

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

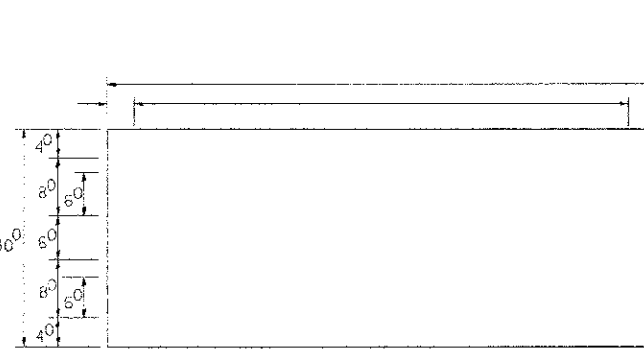
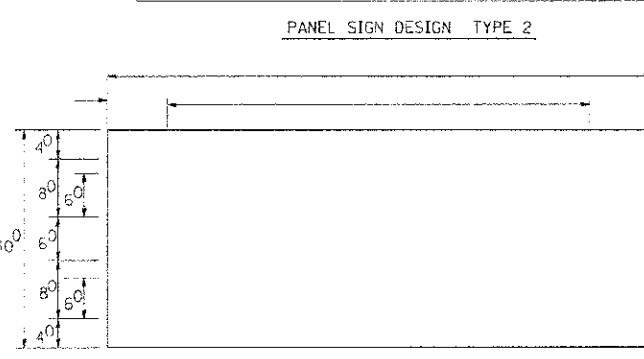
SIGNAL INTERCONNECT SCHEMATIC:  
WAUKEGAN RD (IL ROUTE 43)  
CHESTNUT AVENUE TO TECHNY ROAD

SCALE: NONE STA. TO STA.

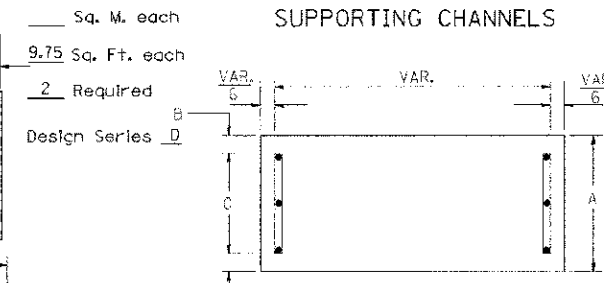
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C 91-070 0G		CONTRACT NO. 63756		
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT F-0348(05)		



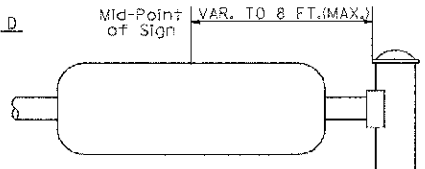
NOTE: SIGN DIMENSIONS ARE IN ENGLISH UNITS



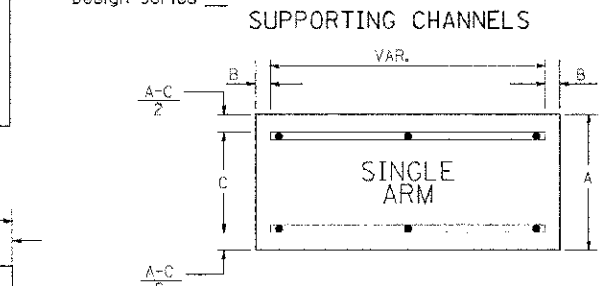
SUPPORTING CHANNELS



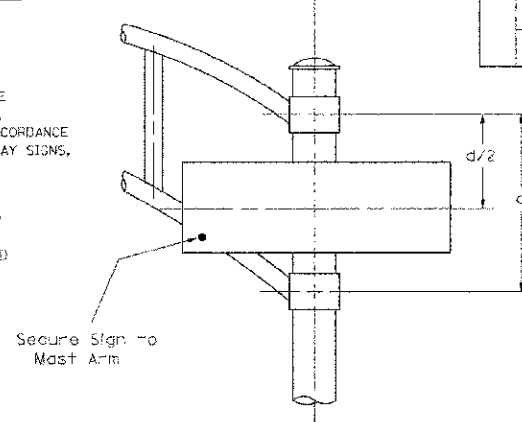
A	B	C
18"	2"	14"



SUPPORTING CHANNELS



A	B	C
18"	2"	12"
30"	2"	22"



GENERAL NOTES

- WHERE MAST ARM MOUNTED STREET NAME SIGNS ARE SPECIFIED, THE MAST ARM ASSEMBLY AND POLES SHALL BE DESIGNED TO SUPPORT THE LOADINGS CALLED FOR ON STANDARDS 877001, 877002, 877006, 877011 AND 877012, AS APPLICABLE, PLUS TWO (2) SIGN PANELS 2'-6" x 8'-0" MOUNTED AS SHOWN. THE DESIGN SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS" AS PUBLISHED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS FOR 80 M.P.H. WIND VELOCITY.
- ALL SIGNS SHALL HAVE A WHITE REFLECTORIZED LEGEND AND BORDER ON A GREEN REFLECTORIZED BACKGROUND, TYPE A SHEETING.
- THE SIGN LENGTH SHOULD BE INCREASED IN 6-INCH INCREMENTS, BUT THE OVERALL LENGTH SHOULD NOT EXCEED 8'-0".
- ALL BORDERS SHALL BE 3/4" WIDE AND CORNER RADIUS SHALL BE 2-1/4".
- SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM SHALL BE USED FOR ALL SIGNS ATTACHED TO SIGNAL POLES AND POSTS. LOCAL SUPPLIERS OF THE SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM ARE:

\* J.O. HERBERT CO. MEDLOTHIAN, VA.      \* WESTERN REMAC INC. WOODRIDGE, IL.

- PARTS LISTING:  
 SIGN CHANNEL: PART #HPN053 (MFD. CHANNEL)  
 SIGN SCREWS: 1/4" x 14 x 1" H.W.P. #3  
 SELF TAPPING WITH NEOPRENE WASHER  
 BRACKETS: PART #HPN034 (UNIVERSAL)  
 CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING

OTHER BRANDS OF MOUNTING HARDWARE ARE ACCEPTABLE, BASED UPON THE DEPARTMENT'S APPROVAL AND COMPATIBILITY WITH THE CHANNEL/BRACKET OF THE ABOVE PRODUCT.

SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM shall be used. See Note #5.

Upper Case To Lower Case  
 Spacing Chart 8-6 Inch Series "C & D"

SERIES	SECOND LETTER															
	a c d e		b h i k l		f w		j		s t		v y		x		z	
	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D
A W X	12	14	14	15	12	14	06	10	11	14	06	10	11	12	12	14
B	14	15	20	21	14	15	11	12	14	15	12	14	12	14	16	17
C E G	14	15	20	21	12	14	06	10	12	14	12	14	14	15	14	15
D O O R	14	15	20	21	14	15	06	10	12	14	12	14	14	15	14	15
F	05	06	14	15	06	10	05	06	06	10	06	10	06	10	11	12
H I M N	20	21	22	24	20	21	14	15	16	17	16	17	20	21	20	21
J U	20	21	20	21	16	17	14	15	16	17	16	17	16	17	20	21
K L	11	12	16	17	11	12	05	06	11	12	11	12	11	12	12	14
P	12	14	14	15	12	14	05	06	11	12	11	12	12	14	12	14
S	12	14	16	17	12	14	06	10	12	14	12	14	12	14	12	14
T	11	12	16	17	06	10	06	10	11	12	11	12	11	12	12	14
V	06	10	14	15	11	12	06	10	12	14	12	14	12	14	12	14
Y	05	06	14	15	06	10	05	06	05	07	05	06	06	10	11	12
Z	16	17	22	24	16	17	12	14	16	17	16	17	16	17	20	21

Lower Case To Lower Case  
 Spacing Chart 6 Inch Series "C & D"

SERIES	SECOND LETTER															
	a c d e		b h i k l		f w		j		s t		v y		x		z	
	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D
ad h g i j	16	17	22	24	16	17	12	14	14	15	14	15	16	17	16	17
l m n q u																
b f k o p s	12	14	16	17	11	12	05	06	11	12	11	12	12	14	12	14
c e	12	14	16	17	12	14	06	10	12	14	12	14	12	14	12	14
r	06	10	12	14	06	10	03	03	05	06	05	06	06	10	06	10
t z	12	14	16	17	12	14	06	10	11	12	11	12	12	14	12	14
v y	11	12	14	15	11	12	05	06	06	10	06	10	11	12	11	12
w	11	12	14	15	11	12	05	06	11	12	11	12	11	12	12	14
x	12	14	16	17	11	12	05	06	11	12	11	12	11	12	12	14

Number To Number  
 Spacing Chart 8 Inch Series "C & D"

SERIES	SECOND NUMBER																			
	0		1		2		3		4		5		6		7		8		9	
	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D
0 9	16	17	16	17	14	15	12	14	14	15	14	15	16	17	17	14	16	17	16	17
1	20	21	20	21	20	21	16	17	14	15	20	21	20	21	14	15	20	21	20	21
2 3 4	14	15	14	15	14	15	12	14	14	15	14	15	14	15	11	12	14	15	14	15
5	16	17	14	15	14	15	12	14	14	15	14	15	11	12	14	15	14	15	14	15
6	16	17	14	15	14	15	12	14	14	15	14	15	11	12	14	15	14	15	14	15
7	12	14	14	15	14	15	12	14	14	15	14	15	11	12	14	15	14	15	14	15
8	16	17	16	17	14	15	12	14	14	15	14	15	16	17	12	14	16	17	14	15

EXAMPLE, 2 3/8 DENOTES 3/8

UPPER AND LOWER CASE LETTER WIDTHS

LETTERS	6 INCH UPPER CASE LETTERS				LETTERS	6 INCH LOWER CASE LETTERS	
	SERIES		SERIES			SERIES	
	C	D	C	D		C	D
A	36	50	50	65	a	35	42
B	32	40	43	53	b	35	42
C	32	40	43	53	c	35	41
D	32	40	43	53	d	35	42
E	30	35	40	47	e	35	42
F	30	35	40	47	f	23	26
G	32	40	43	53	g	35	42
H	32	40	43	53	h	35	42
I	07	07	11	12	i	11	11
J	30	36	40	50	j	20	22
K	32	41	43	54	k	35	42
L	30	35	40	47	l	11	11
M	37	45	51	61	m	60	70
N	32	40	43	53	n	35	42
O	34	42	45	55	o	36	43
P	32	40	43	53	p	35	42
Q	34	42	45	55	q	35	42
R	32	40	43	53	r	26	32
S	32	40	43	53	s	36	42
T	30	35	40	47	t	27	32
U	32	40	43	53	u	35	42
V	35	44	47	60	v	42	47
W	44	52	60	70	w	55	64
X	34	40	45	53	x	44	51
Y	36	50	50	66	y	46	53
Z	32	40	43	53	z	38	43

NUMBER	6 INCH SERIES		8 INCH SERIES	
	C	D	C	D
	1	12	14	15
2	32	40	43	53
3	32	40	43	53
4	35	43	47	57
5	32	40	43	53
6	32	40	43	53
7	32	40	43	53
8	32	40	43	53
9	32	40	43	53
0	34	42	45	55

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 STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM  
 LICENSE NO. 188-00181 - EXPIRES 4/27/2012  
 10/27/2009

FILE NAME =	USER NAME = bauer-d	DESIGNED - DAG/BCK	REVISED - DAG 10/28/09
et:\pwork\1024\BAUERCL\10186315\ts02	hgn	DRAWN - BCK	REVISED -
PLOT SCALE = 48/999 1/2 IN.	CHECKED - DAG/DAD	REVISED -	REVISED -
PLOT DATE = 11/4/2009	DATE = 03-15-09	REVISED -	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

DISTRICT ONE  
 MAST ARM MOUNTED STREET NAME SIGNS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
034B	05-00160-00-CH	COOK	109	71
TS-02		CONTRACT NO. 63756		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT F-034B(35)				

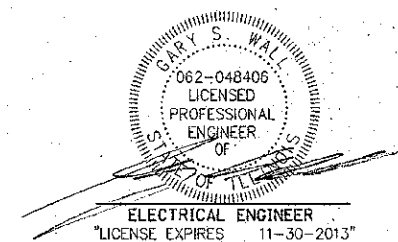
**LIGHTING NOTES**

1. FIELD ADJUSTMENT OF LIGHTING UNIT LOCATIONS TO AVOID CONFLICTS MUST BE APPROVED BY THE ENGINEER. OFFSET FOUNDATIONS HAVE BEEN INCLUDED FOR POTENTIAL UTILITY CONFLICTS.
2. CARE IS TO BE TAKEN AS NOT TO DAMAGE ANY OF THE EXISTING CONDUITS, DETECTORS AND EQUIPMENT. IF ANY OF THE CONDUIT AND/OR EQUIPMENT IS DAMAGED THE CONTRACTOR SHALL REPAIR AND/OR REPLACE THE CONDUIT AND/OR EQUIPMENT AT NO COST TO THE COUNTY OR THE VILLAGE.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ESTABLISHMENT OF FINISHED GRADE. THE RESIDENT ENGINEER MAY ASSIST THE CONTRACTOR, AS APPLICABLE, BUT THE RESPONSIBILITY FOR COORDINATING THE FINISHED GRADE ELEVATION WITH THE TOP OF FOUNDATION HEIGHTS AND THE LIGHT SHALL REMAIN WITH THE CONTRACTOR.
4. ALL DISTURBED AREAS WHERE RESTORATION IS NOT COVERED BY APPLICABLE SECTIONS OF THE SPECIAL PROVISIONS MUST BE RESTORED TO THE SATISFACTION OF THE ENGINEER. THE WORK MUST BE CONSIDERED INCIDENTAL TO THE CONTRACT. SEPARATE PAYMENT WILL NOT BE MADE.
5. THE CONTRACTOR SHALL MAKE SPECIAL NOTE OF THE REQUIREMENTS FOR WIRE MARKERS AND SHALL TAG ALL WIRE ACCORDINGLY.
6. EQUIPMENT GROUND CONDUCTORS SHALL BE SPLICED AND/OR BONDED AT EACH LIGHT POLE OR OTHER PIECE OF EQUIPMENT.
7. CONDUIT AND UNIT DUCT MUST BE POSITIONED IN THE FIELD TO AVOID CONFLICT WITH TREES, BUSHES, DRAINS AND OTHER UTILITIES AND LANDSCAPING.
8. NO UNDERGROUND SPLICES OR SPLICES IN HANDHOLES ARE PERMITTED. ELECTRIC HANDHOLES ARE FOR THE PURPOSE OF PULLING CABLES ONLY.
9. LIGHTING UNIT SHALL BE SETBACK 3 FEET FROM FACE OF CURB TO CENTER OF POLE FOUNDATION.
10. THE CONTRACTOR SHALL MAKE SPECIAL NOTE OF THE REQUIREMENTS FOR GROUNDING. GROUNDING CONNECTIONS AT THE FOUNDATION SHALL BE EXOTHERMICALLY WELDED, AS SPECIFIED, AND SHALL BE INSPECTED AND APPROVED BY THE ENGINEER PRIOR TO BACKFILLING.
11. THE CONTRACTOR SHALL MAKE SPECIAL NOTE OF THE REQUIREMENTS FOR BURIED WARNING TAPE, SPECIFIED AS PART OF "UNDERGROUND RACEWAYS". THE INSTALLATION OF THE TAPE SHALL BE INSPECTED AND APPROVED BY THE ENGINEER PRIOR TO BACKFILLING.
12. NO POLES SHALL BE ERECTED UNTIL THE RESPECTIVE FOUNDATIONS HAVE CURED, AS APPROVED BY THE ENGINEER.
13. ALL CONDUITS UNDER ROADWAYS AND DRIVEWAYS IN TRENCHES SHALL BE INSTALLED BEFORE PAVEMENT IS PLACED. CONDUIT LENGTHS ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY THE ACTUAL LENGTH REQUIREMENTS IN THE FIELD.
14. ALL EXISTING LIGHTING UNITS ARE A COMBINATION OF 100W OR 150W HPS ROADWAY LUMINAIRE AND 70W HPS PEDESTRIAN LUMINAIRE. EACH POLE ALSO HAS BANNER ARMS AND RECEPTACLE. SEE DETAIL ON STREET LIGHTING DETAIL SHEET.

SUMMARY OF QUANTITIES - LIGHTING			
ITEM NO.	DESCRIPTION	UNIT	QUANTITY
81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	EACH	1060
81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	EACH	70
81400730	HANDHOLE, COMPOSITE CONCRETE	EACH	40
81603110	UNIT DUCT, 600V, 4-1C NO.4, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/2" DIA. POLYETHYLENE	FOOT	4195
83800200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	248
84200804	REMOVAL OF POLE FOUNDATION	EACH	23
84400105	RELOCATE EXISTING LIGHTING UNIT	EACH	23
X8250500	LIGHTING UNIT COMPLETE, SPECIAL	EACH	4
X8360215	LIGHT POLE FOUNDATION, 24" DIAMETER, OFFSET	FOOT	48
X8002085	LIGHTING UNIT COMPLETE	EACH	7
Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	8
	REMOVE EXISTING HANDHOLE, LIGHTING	EACH	6

**LEGEND**

	PROPOSED COM ED POWER POLE		EXISTING 100W/70W STREET LIGHT TYPE II, CLEAN AND RELAMP		EXISTING LIGHTING CONTROLLER, 200 AMP, 120/240 V, 3 WIRE
	EXISTING COM ED POWER POLE		EXISTING 150W/70W STREET LIGHT TYPE II, CLEAN AND RELAMP		EXISTING HANDHOLE TO BE REMOVED
	EXISTING BURIED LIGHTING CABLE		PROPOSED RELOCATION OF EXISTING 100W/70W LIGHT TYPE II, CLEAN AND RELAMP		EXISTING HANDHOLE TO REMAIN
	2" RGS CONDUIT, UNDERGROUND, 4' LONG WITH 3#2 OR AS INDICATED		PROPOSED RELOCATION OF EXISTING 150W/70W LIGHT TYPE II, CLEAN AND RELAMP		PROPOSED HANDHOLE
	1 1/2" UNIT DUCT 600V, 4#4 & 1#6 GND (XLP-TYPE USE) OR AS INDICATED		PROPOSED STREET LIGHT 150W HPS TYPE II, 26 FT M.H., 6 FT MAST ARM		EXISTING LIGHTING UNIT TO REMAIN
	PROPOSED 100W/70W LIGHTING UNIT		EXISTING LIGHTING UNIT TO BE RELOCATED		



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 DESIGNED BY: MWH, DRAWN BY: MAC, CHECKED BY: TLH, DATE: 8/23/12  
 FILE: 110025-12.SL.4.SHT



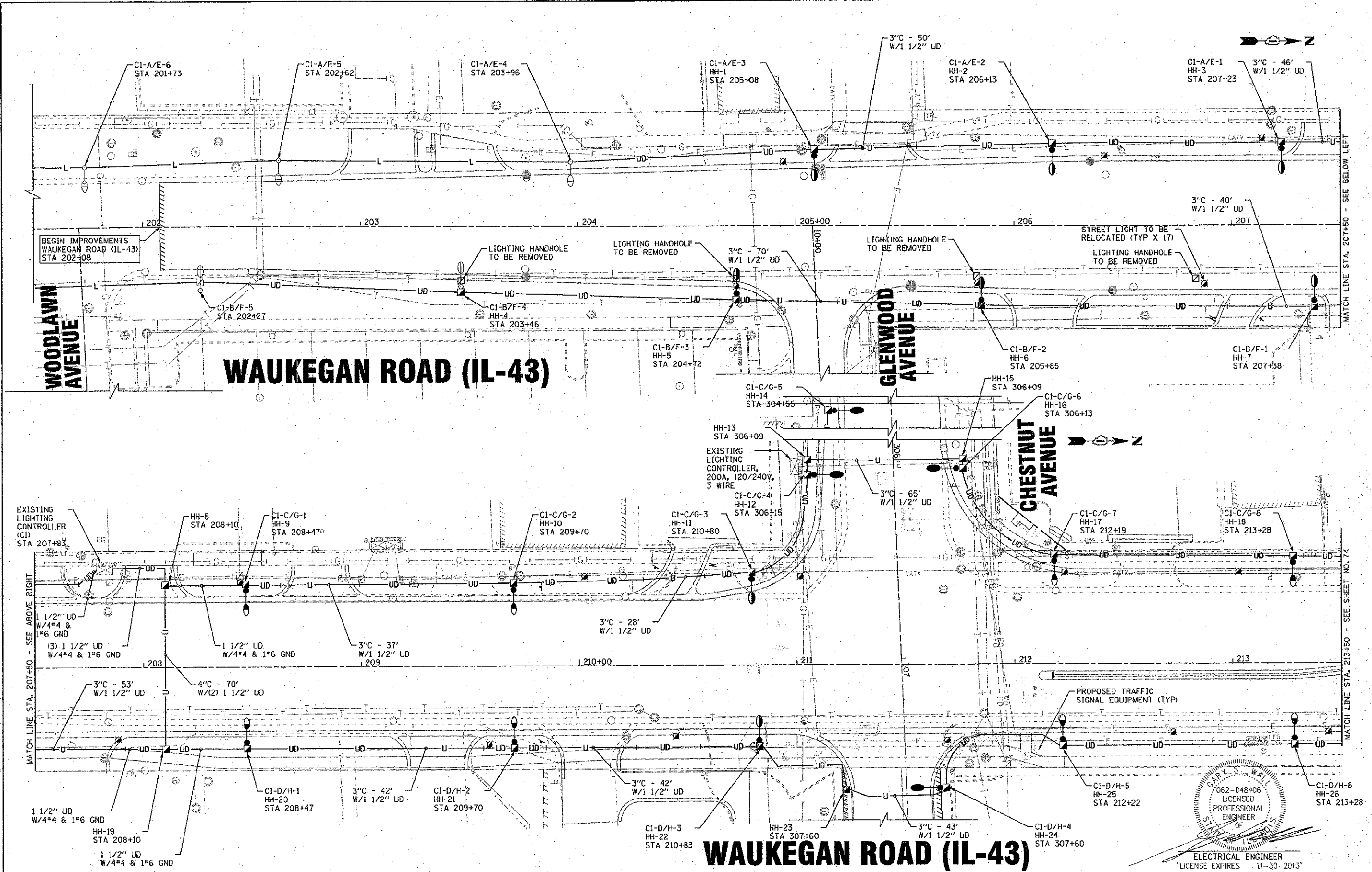
DESIGNED	- MWH	REVISED	-
DRAWN	- MAC	REVISED	-
CHECKED	- TLH	REVISED	-
DATE	- 8/23/12	FILE	- 110025-12.SL.4.SHT

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**GENERAL NOTES AND SUMMARY OF QUANTITIES**  
**- STREET LIGHTING**

SCALE: NONE      STA.      TO STA.

F.A.P./F.A.I.L. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0348/1352	05-00160-00-CH	COOK	109	72
C-91-070-06		CONTRACT NO. 63756		
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT F-0348(35)		



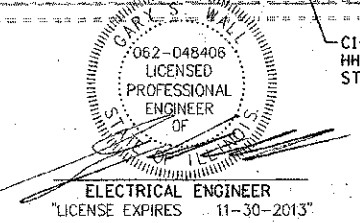
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 STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM  
 LICENSE NO. 062-048406 - EXPIRES 4/30/2013  
 110025-12-SLI.shp  
 8/23/12



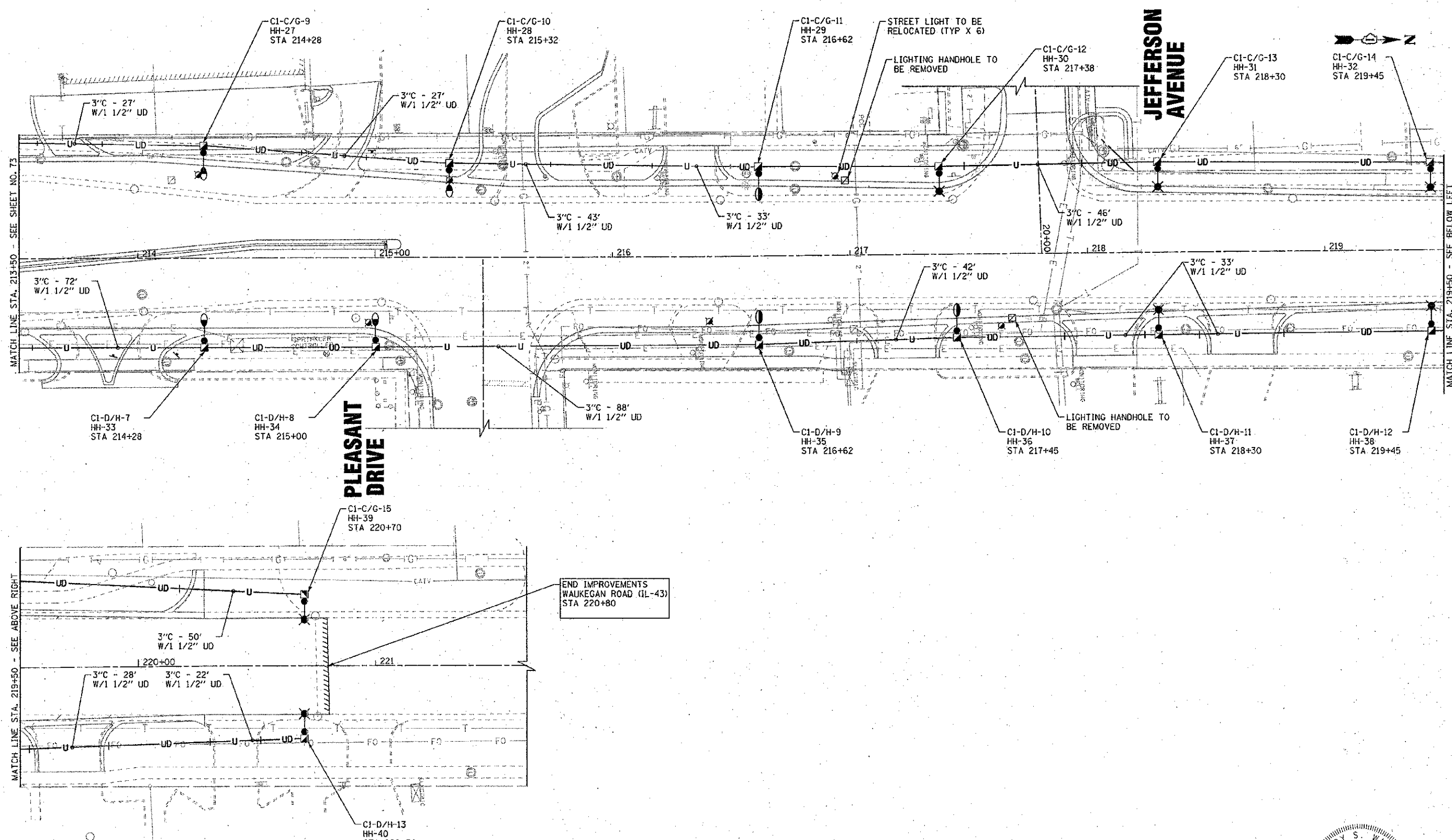
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DATE - 8/23/12	FILE - 110025-12-SLI.shp

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

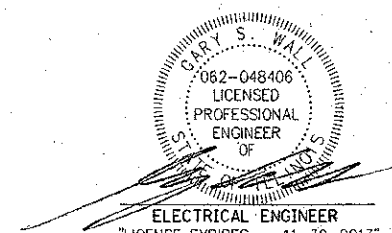
**LIGHTING PLAN**  
**WAUKEGAN ROAD (IL-43)**  
 SCALE: 1"=20'  
 STA. 202+00 TO STA. 213+50



F.A.P./F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0340/1352	05-00160-00-CH	COOK	109	73
C-91-070-06		CONTRACT NO. 63756		
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT F-0348(35)		



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 LICENSE NO. 082-048406 EXPIRES 11/30/2013  
 PROJECT: WAUKEGAN ROAD (IL-43) LIGHTING PLAN  
 SHEET NO. 74 OF 109



	DESIGNED - MWH	REVISED -
	DRAWN - MAC	REVISED -
	CHECKED - TLH	REVISED -
	DATE - 8/23/12	FILE - 110025-12_SL2.sht

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**LIGHTING PLAN**  
**WAUKEGAN ROAD (IL-43)**

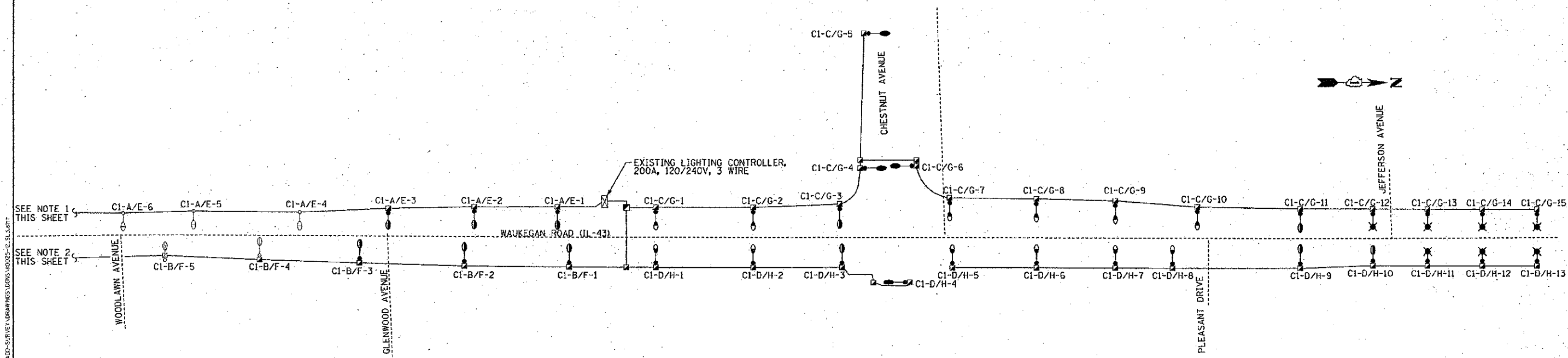
SCALE: 1"=20'      STA. 213+50 TO STA. 220+80

F.A.P./F.A.U. RATE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0348/1352	05-00160-00-CH	COOK	109	74
C-91-070-06		CONTRACT NO. 63756		
FED. ROAD DIST. NO. 1 (ILLINOIS)		FED. AID PROJECT F-0348(05)		



**LEGEND**

- EXISTING 100W/70W STREET LIGHT, CLEAN AND RELAMP
- EXISTING 150W/70W STREET LIGHT, CLEAN AND RELAMP
- PROPOSED RELOCATION OF EXISTING 100W/70W LIGHT, CLEAN AND RELAMP
- PROPOSED RELOCATION OF EXISTING 150W/70W LIGHT, CLEAN AND RELAMP
- PROPOSED STREET LIGHT 150W HPS, 26 FT M.H., 6 FT MAST ARM
- PROPOSED 100W/70W LIGHTING UNIT

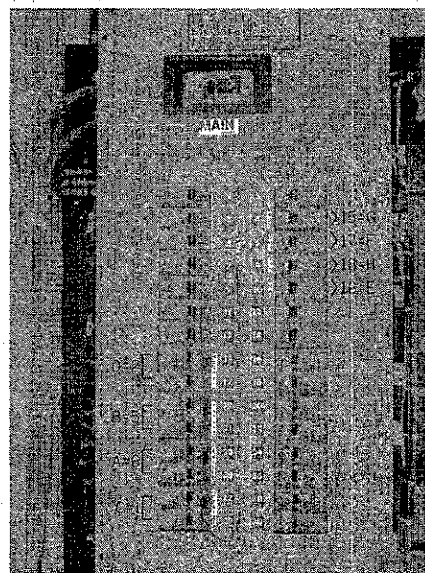


SEE NOTE 1 THIS SHEET

SEE NOTE 2 THIS SHEET

**NOTE:**

1. ADDITIONAL EXISTING LIGHTING UNITS ON CIRCUITS CI-A & E
  - STA 200+30, 150W HPS & 70W HPS, RECEPTACLE
  - STA 199+11, 150W HPS & 70W HPS, RECEPTACLE
  - STA 198+07, 150W HPS & 70W HPS, RECEPTACLE
  - STA 197+07, 100W HPS & 70W HPS, RECEPTACLE
  - STA 195+90, 150W HPS & 70W HPS, RECEPTACLE
2. ADDITIONAL EXISTING LIGHTING UNITS ON CIRCUITS CI-B & F
  - STA 201+00, 150W HPS & 70W HPS, RECEPTACLE
  - STA 199+69, 150W HPS & 70W HPS, RECEPTACLE
  - STA 198+60, 100W HPS & 70W HPS, RECEPTACLE
  - STA 197+49, 100W HPS & 70W HPS, RECEPTACLE
  - STA 196+63, 150W HPS & 70W HPS, RECEPTACLE
  - STA 195+41, 100W HPS & 70W HPS, RECEPTACLE
3. SEE PHOTO THIS SHEET OF EXISTING LIGHTING CONTROLLER (CI) PANEL BOARD FOR CORRELATION OF PROPOSED CIRCUIT DESIGNATIONS TO EXISTING CABLE MARKINGS AND ASSOCIATED CIRCUIT BREAKERS.

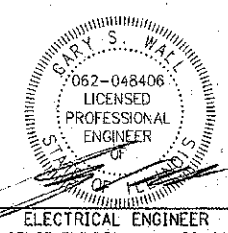


EXISTING LIGHTING CONTROLLER (CI)  
200A, 120/240V, 3 WIRE

EXAMPLE:  
PROPOSED CIRCUIT "A" WILL BE ON EXISTING BREAKERS "23/25" WHICH HAVE EXISTING CABLES MARKED "6" CONNECTED

LOAD TABULATIONS FOR LIGHTING CONTROLLER "C1"					
CIRCUIT	150W	150/70W	100/70W	FESTOON	AMPS
A (23/25)		(7) 1.18A	(4) 0.91A		11.90A
B (19/21)		(3) 1.18A	(8) 0.91A		10.82A
C (27/29)	(3) 0.80A	(6) 1.18A	(6) 0.91A		14.94A
D (15/17)	(1) 0.80A	(6) 1.18A	(6) 0.91A		13.34A
E (10)				(11) 0.75A	8.25A
F (6)				(11) 0.75A	8.25A
G (4)				(15) 0.75A	11.25A
H (8)				(13) 0.75A	9.75A
<b>TOTAL AMPS</b>					<b>88.50A</b>

ALL LUMINAIRES ARE 240V. ALL RECEPTACLES ARE 120V.



ELECTRICAL ENGINEER  
"LICENSE EXPIRES 11-30-2013"



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DEPARTMENT OF TRANSPORTATION

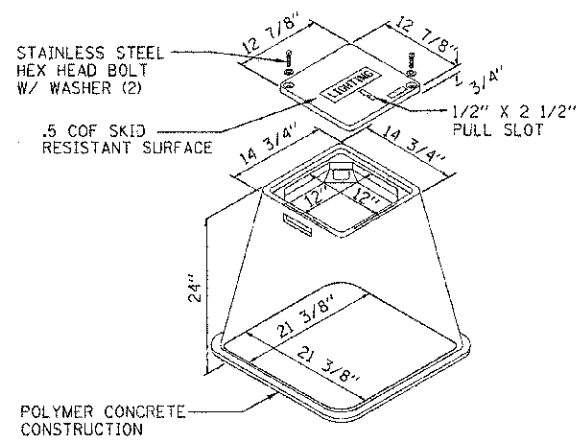
STREET LIGHTING - SINGLE LINE DIAGRAM

SCALE: NONE

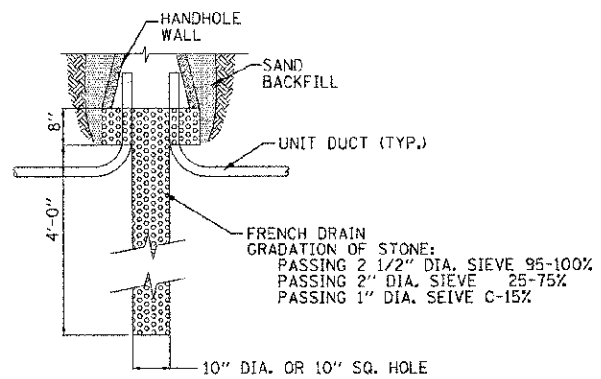
STA. TO STA.

F.A.P./F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0348/1352	05-00160-00-CH	COOK	103	75
C-91-070-06		CONTRACT NO. 63756		
FED. ROAD DIST. NO. 1 (ILLINOIS)		FED. AID PROJECT F-0346(36)		

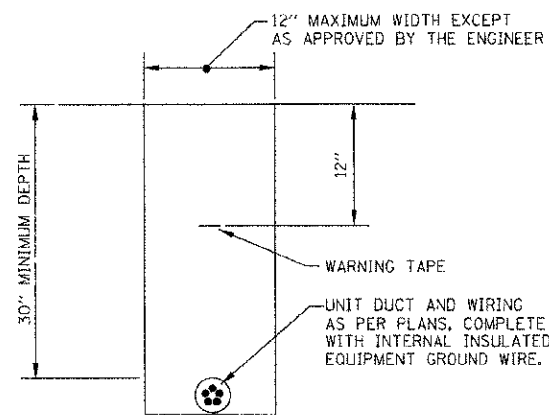
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 110025-12\_SL3.sht  
 8/23/12



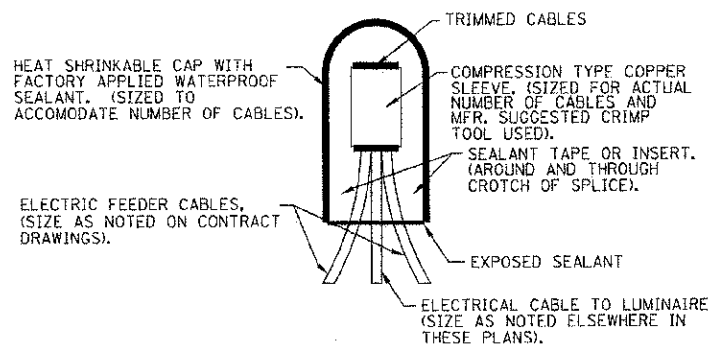
**LIGHTING HANDHOLE**  
NO SCALE



**HANDHOLE DRAINAGE**  
NO SCALE

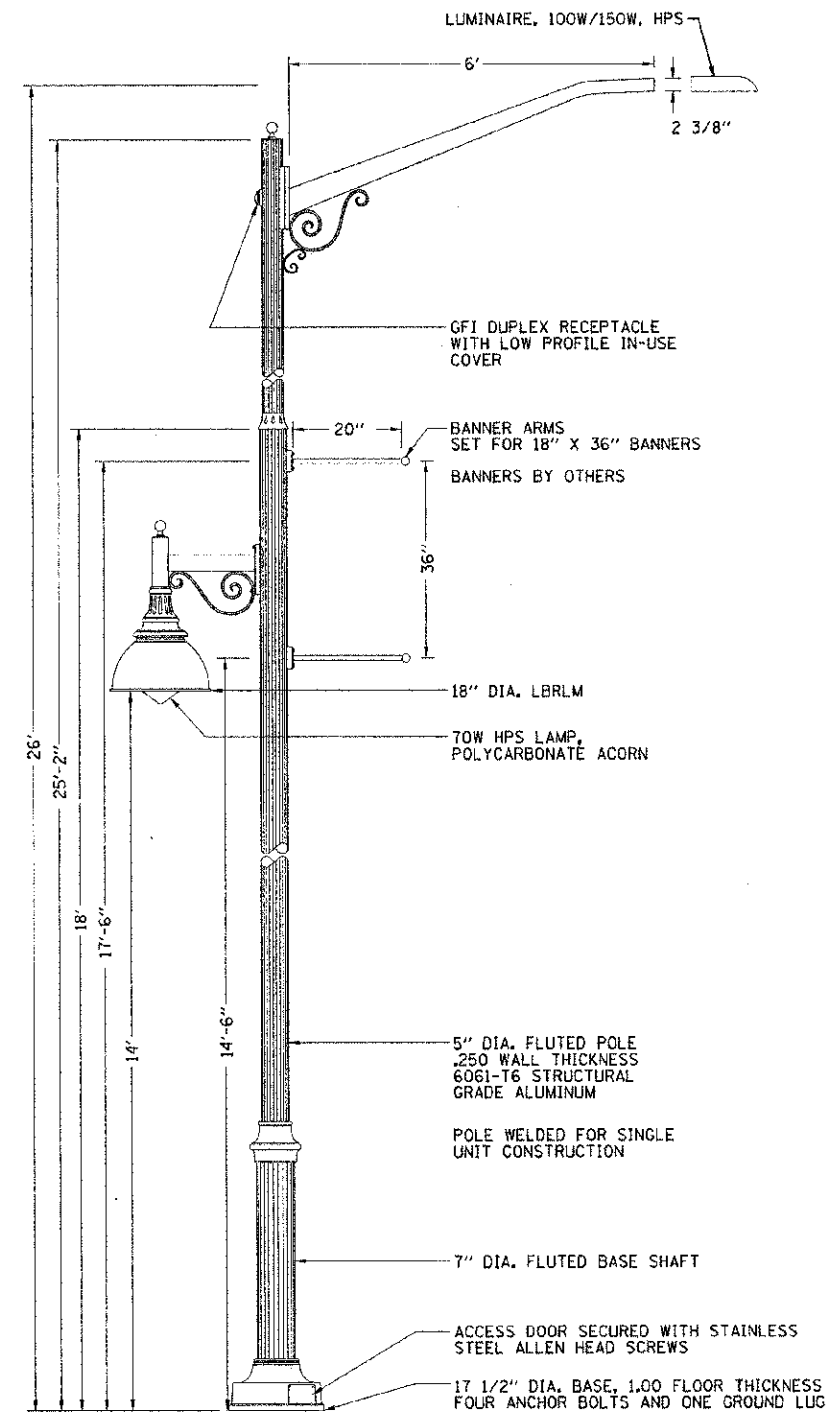


**TYPICAL WIRING IN TRENCH DETAIL**  
NO SCALE

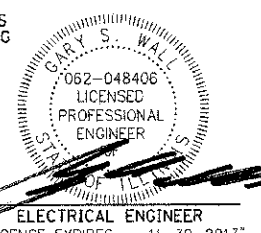


**SPlicing ELECTRICAL CABLES**  
**BASIC MATERIALS AND METHODS**  
NO SCALE

NOTE:  
NUMBER OF CABLES IN  
SPLICE MAY VARY



**EXISTING LIGHTING UNIT**  
NO SCALE  
BOLT CIRCLE PER EXISTING UNIT



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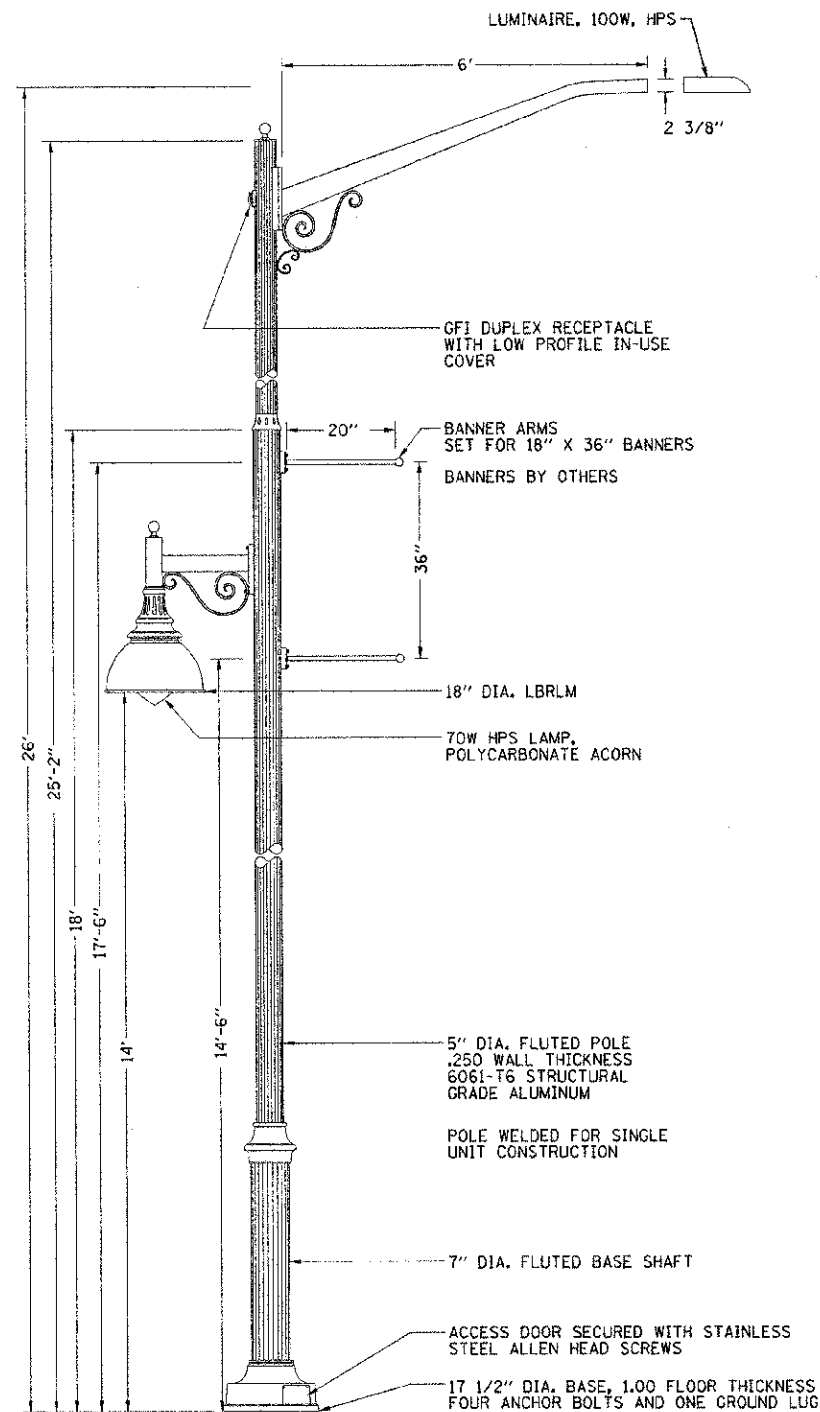
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

STREET LIGHTING DETAILS

F.A.P./F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0348/1352	05-00160-00-CH	COOK	109	76
C-91-070-06		CONTRACT NO. 63756		
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT F-0348(35)		

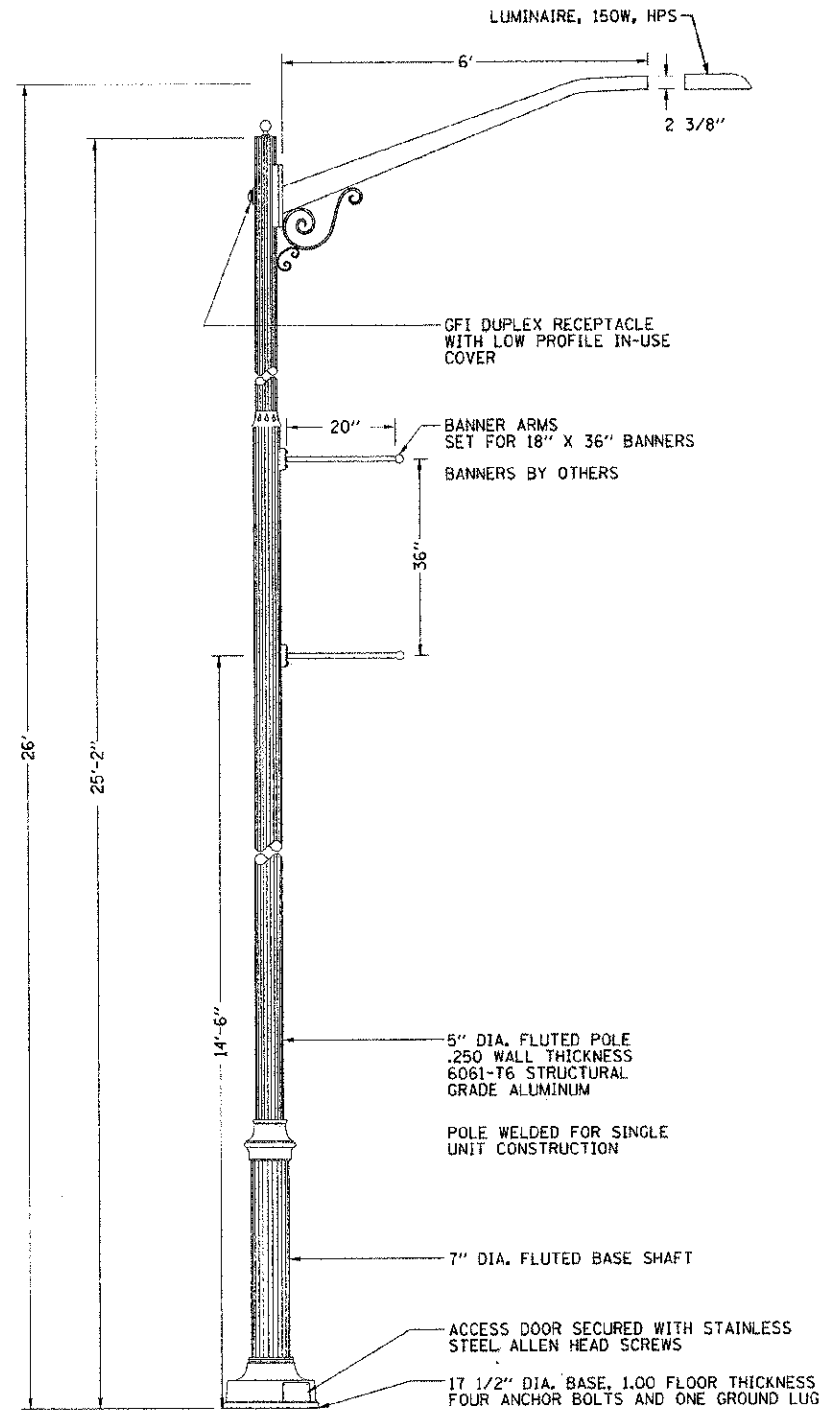
NOTES:

1. THE ANCHOR RODS AND RACEWAYS SHALL BE PROPERLY CENTERED AND SECURED IN PLACE BEFORE THE CONCRETE IS PLACED.
2. THE HOLE FOR THE FOUNDATION SHALL BE MADE WITH AN AUGER OF THE SAME DIAMETER AS THE FOUNDATION. IF SOIL CONDITIONS REQUIRE THE USE OF A LINER TO FORM THE HOLE, THE LINER SHALL BE WITHDRAWN AS THE CONCRETE IS DEPOSITED.
3. THE TOP OF THE FOUNDATION SHALL BE CONSTRUCTED LEVEL. A LINER OR FORM SHALL BE USED TO PRODUCE A UNIFORM SMOOTH SIDE TO THE TOP OF THE FOUNDATION. FOUNDATION TOP SHALL BE CHAMFERED 1 INCH.
4. CABLE TRENCHES AND FOUNDATIONS SHALL BE BACKFILLED AND COMPACTED, AND CONCRETE CURED ACCORDING TO APPLICABLE STANDARDS BEFORE LIGHT POLES MAY BE INSTALLED.
5. THE ANCHOR ROD SHALL BE A HOOK ROD TYPE. COLD BENDING OF THE ANCHOR ROD WILL NOT BE ALLOWED. THE ANCHOR ROD SHALL BE THREADED ANCHOR ROD EMBEDDED IN THE FOUNDATION AND PROJECT A MINIMUM OF 2 3/4" ABOVE THE TOP OF THE FOUNDATION. IF BREAKAWAY COUPLINGS ARE SPECIFIED THE CONTRACTOR SHALL CAREFULLY COORDINATE THE ANCHOR ROD COUPLINGS WITH THE INSTALLATION REQUIREMENTS OF THE BREAKAWAY COUPLINGS.
6. THE CONTRACTOR MAY USE A #3 SPIRAL AT 6" PITCH OR #3 TIES AT 12" O.C.
7. RACEWAYS SHALL PROJECT 1" ABOVE THE TOP OF THE FOUNDATION.
8. ALL LIGHT POLES SHALL BE CLASSIFIED OR LISTED BY U.L. OR E.T.L. OR APPROVED O.S.M.A. EQUIVALENT NATIONAL TESTING LABORATORY.



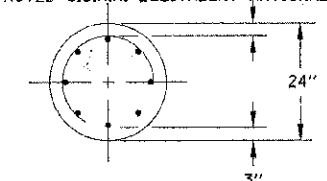
**LIGHTING UNIT COMPLETE**

NO SCALE



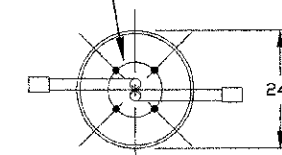
**LIGHTING UNIT COMPLETE, SPECIAL**

NO SCALE

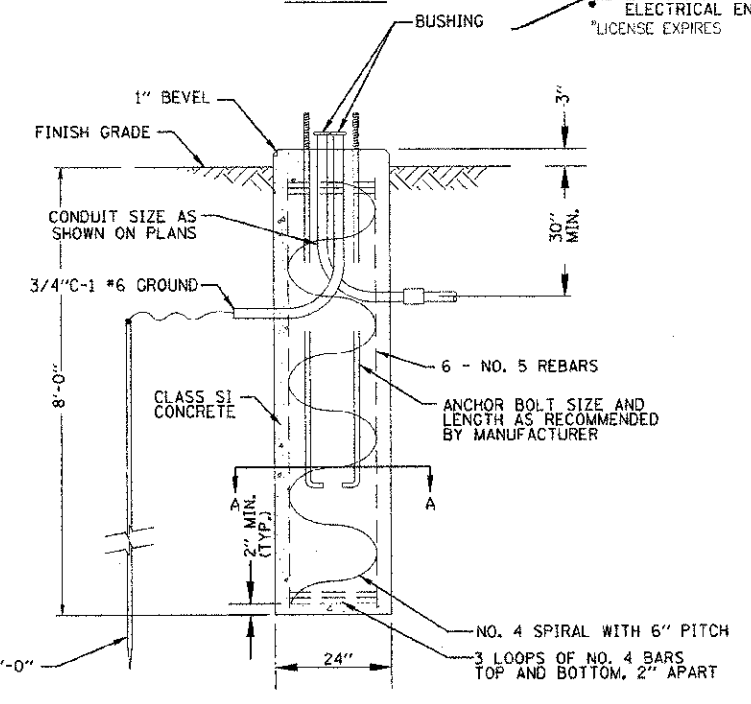
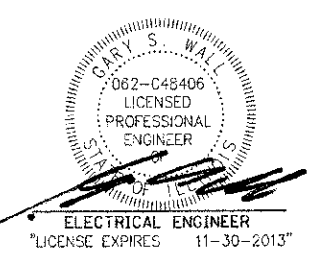


SECTION A-A

BOLT CIRCLE PER MANUFACTURER



TOP VIEW



FOUNDATION DETAIL

NO SCALE

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DATE - 8/23/12	FILE - 110025-12-SL 4.shf

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

SCALE: NONE

**STREET LIGHTING DETAILS**

STA. TO STA.

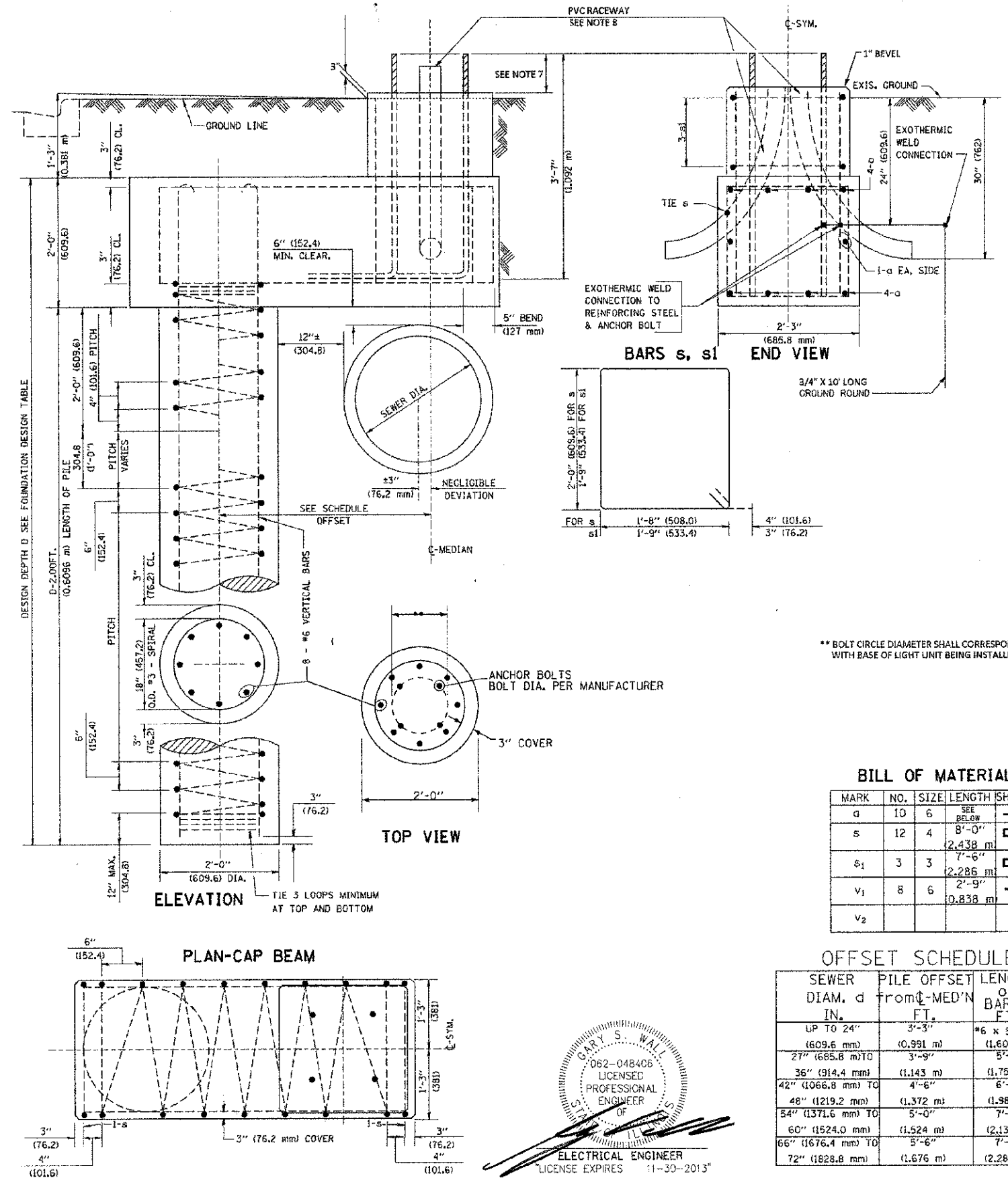
F.A.P./F.A.I.L. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0348/1352	05-00160-00-CH	COOK	109	77
C-91-070-06		CONTRACT NO. 63756		
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT F-0348(39)		

FOUNDATION DESIGN TABLE

TYPE OF SOIL	DESIGN DEPTH OF FOUNDATION		REINFORCEMENT IN FOUNDATION			
	SINGLE ARM D	TWIN ARM D	SINGLE ARM		TWIN ARM	
			VERT BARS	SPIRAL	VERT BARS	SPIRAL
SOFT CLAY	13'-0" (3.962 m)	15'-0" (4.572 m)	8-#6X12'-6" (3.810 m)	#3X122' (37.186 m)	8-#6X14'-3" (4.343 m)	#3X141' (42.977 m)
MEDIUM CLAY	9'-6" (2.896 m)	10'-9" (3.277 m)	8-#6X9'-0" (2.743 m)	#3X90' (27.432 m)	8-#6X10'-0" (3.048 m)	#3X100' (30.480 m)
STIFF CLAY	7'-0" (2.134 m)	8'-0" (2.438 m)	8-#6X6'-6" (1.981 m)	#3X66' (20.112 m)	8-#6X7'-6" (2.286 m)	#3X76' (23.165 m)
LOOSE SAND	9'-0" (2.743 m)	10'-0" (3.048 m)	8-#6X8'-6" (2.591 m)	#3X85' (25.908 m)	8-#6X9'-6" (2.896 m)	#3X94' (28.651 m)
MEDIUM SAND	8'-3" (2.515 m)	9'-0" (2.743 m)	8-#6X8'-0" (2.438 m)	#3X78' (23.774 m)	8-#6X8'-6" (2.591 m)	#3X85' (25.908 m)
DENSE SAND	7'-9" (2.362 m)	9'-0" (2.743 m)	8-#6X7'-6" (2.286 m)	#3X73' (22.250 m)	8-#6X8'-6" (2.591 m)	#3X85' (25.908 m)
ROCK OR SOLIDIFIED SLAG	5'-0" (1.524 m)	5'-0" (1.524 m)	NONE	NONE	NONE	NONE

NOTES

1. ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
2. THE ENGINEER SHALL DETERMINE THE CLASS OF SOIL DURING EXCAVATION AND SELECT THE DESIGN DEPTH OF FOUNDATION FROM THE DESIGN TABLE.
3. EXCAVATION OF THE POLE FOUNDATION SHALL BE MADE WITH AN AUGER, 24" (609.6 mm) OR 30" (762.0 mm) IN DIAMETER.
4. THE ANCHOR ROD SHALL BE A HOOK ROD TYPE. COLD BENDING OF THE ANCHOR ROD WILL NOT BE ALLOWED. THE RADIUS OF THE HOOK BEND SHALL NOT BE LESS THAN 4 TIMES THE NOMINAL DIAMETER OF THE ANCHOR ROD. A TACK WELDED ANCHOR ROD MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ENGINEER.
5. THE ANCHOR BOLTS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED IN THE FORM.
6. THE ANCHOR RODS SHALL BE ACCORDING TO ASTM F1554 GRADE 725 (GRADE 105). NUTS SHALL BE HEXAGON NUTS ACCORDING TO ASTM A 194 2H OR ASTM A 563 DH, AND WASHERS SHALL BE ACCORDING TO ASTM F 436.
7. THE CONTRACTOR SHALL COORDINATE EXTENSION OF ANCHOR BOLTS ABOVE TOP OF FOUNDATION WITH THE BREAKAWAY DEVICE MANUFACTURER'S REQUIREMENTS. IF LIGHT POLE IS MOUNTED WITHOUT BREAKAWAY DEVICE, ANCHOR BOLTS SHALL PROJECT 2 3/4" (69.9 mm) ABOVE TOP OF THE FOUNDATION. THE CONTRACTOR SHALL CONFIRM ANCHOR BOLT EXTENTION WITH ENGINEER.
8. RACEWAYS SHALL PROJECT 1" (25.4 mm) ABOVE THE TOP OF THE FOUNDATION.
9. THE CABLE TRENCH SHALL BE BACKFILLED AND FIRMLY COMPACTED BEFORE THE LIGHT IS ERECTED.



\*\* BOLT CIRCLE DIAMETER SHALL CORRESPOND WITH BASE OF LIGHT UNIT BEING INSTALLED.

BILL OF MATERIAL

MARK	NO.	SIZE	LENGTH	SHAPE
a	10	6	SEE BELOW	—
s	12	4	8'-0" (2.438 m)	□
s1	3	3	7'-6" (2.286 m)	□
v1	8	6	2'-9" (0.838 m)	—
v2				

OFFSET SCHEDULE

SEWER DIAM. d IN.	PILE OFFSET FROM MED'N FT.	LENGTH OF BAR a FT.
UP TO 24" (609.6 mm)	3'-3" (1.091 m)	#6 x 5'-3" (1.600 m)
27" (685.8 mm) TO	3'-9" (1.143 m)	5'-3" (1.753 m)
36" (914.4 mm) TO	4'-6" (1.372 m)	6'-6" (1.981 m)
48" (1219.2 mm) TO	5'-0" (1.524 m)	7'-0" (2.134 m)
54" (1371.6 mm) TO	5'-6" (1.676 m)	7'-6" (2.286 m)
60" (1524.0 mm) TO	6'-0" (1.828 m)	
66" (1676.4 mm) TO	6'-6" (1.981 m)	
72" (1828.8 mm)	7'-0" (2.134 m)	

GARY S. WALL  
062-048406  
LICENSED PROFESSIONAL ENGINEER  
OF ILLINOIS  
ELECTRICAL ENGINEER  
LICENSE EXPIRES 11-30-2013

CONTRACT & 2013 BY BAXTER & NORMAN, INC.  
 STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM  
 LICENSE NO. 184-0016 - EXPIRES 4/30/2013  
 800-957-1000 OR WWW.B&N.COM  
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DRAWN - MAC	REVISED -
CHECKED - TLH	REVISED -
DATE - 8/23/12	FILE - 110025-12.SL4.sh1

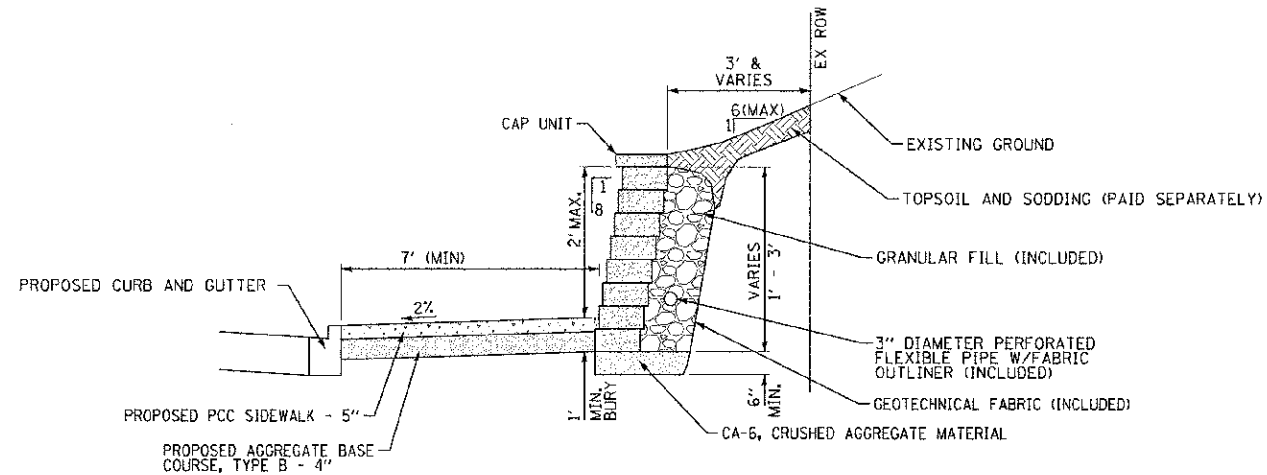
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

STREET LIGHTING DETAILS

SCALE: NONE

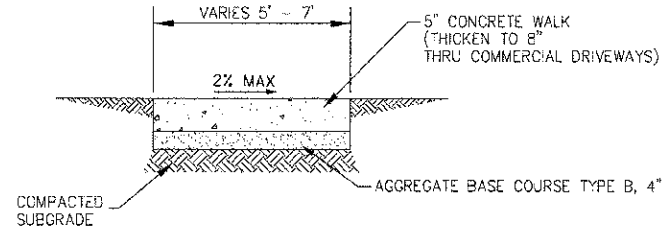
STA. TO STA.

F.A.P./F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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C-91-070-06		CONTRACT NO. 63756		
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT F-0348159		



**SEGMENTAL CONCRETE BLOCK WALL DETAIL**

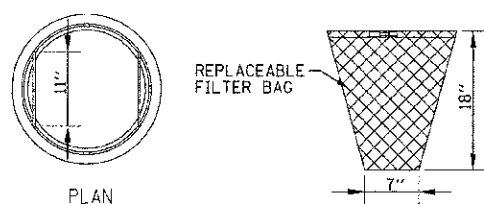
CHESTNUT AVENUE  
STA 302+77 TO STA 303+81 RT  
NO SCALE



NOTE:  
PROVIDE FIBER 3/4" EXPANSION JOINTS WHERE NEW SIDEWALK MEETS EXISTING AND @ 50' O.C. MAX. AND PROVIDE CONTROL JOINTS @ 5' O.C.

**PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH**

NO SCALE



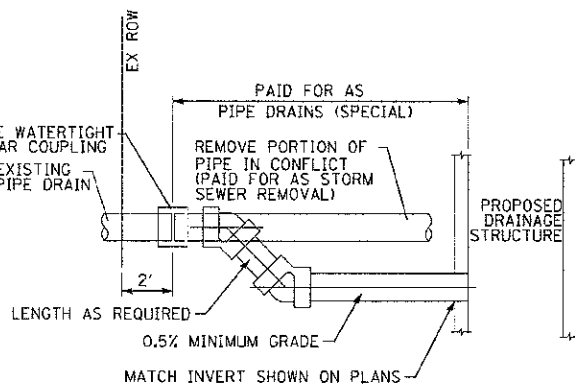
GENERAL NOTES:

FRAME: TOP RING CONSTRUCTED FROM 1 1/4" X 1 1/4" X 1/8" ANGLE. BASE RING CONSTRUCTED OF 1 1/2" X 1/2" X 1/8" CHANNEL, HANDLES & SUSPENSION BRACKETS CONSTRUCTED FROM 1/4" X 1 1/4" FLAT. ALL STEEL CONFORMING TO ASTM-A36.

REPLACEABLE BAG: CONSTRUCTED FROM 4 OZ./SQ. YD. NON-WOVEN POLYPROPYLENE GEOTEXTILE REINFORCED WITH POLYESTER MESH, CONNECTED TO BASE RING WITH STAINLESS STEEL STRAP & LOCK.

**INLET FILTER**

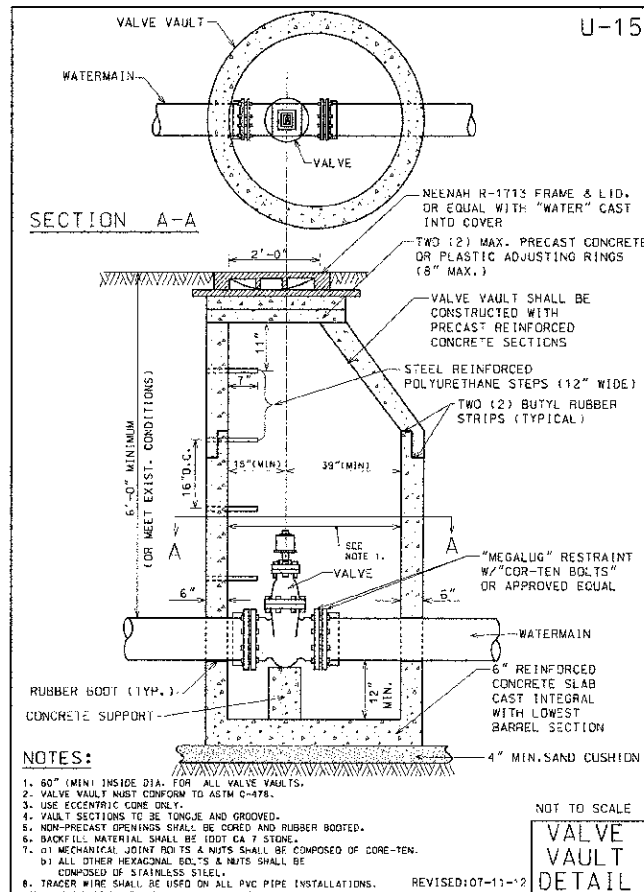
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NOTES:  
PROPOSED PIPE SIZE SHALL MATCH EXISTING SIZE OR 6" MINIMUM.

**PIPE DRAINS (SPECIAL) DETAIL**

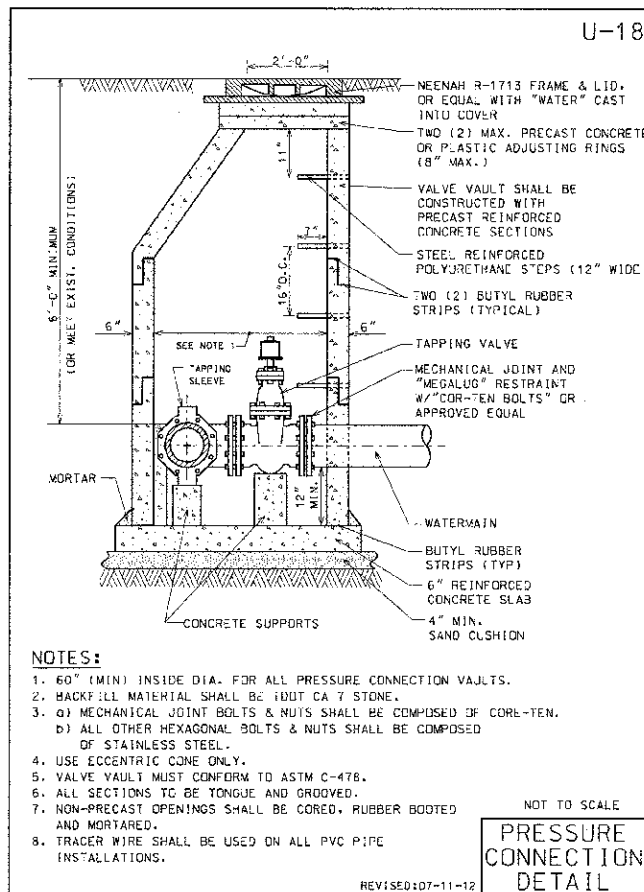
(NOT TO SCALE)



NOTES:

- 60" (MIN) INSIDE DIA. FOR ALL VALVE VAULTS.
- VALVE VAULT MUST CONFORM TO ASTM C-478.
- USE ECCENTRIC CONE ONLY.
- VAULT SECTIONS TO BE TONGUE AND GROOVED.
- NON-PRECAST OPENINGS SHALL BE CORED AND RUBBER BOOTED.
- BACKFILL MATERIAL SHALL BE 100% CA 7 STONE.
- MECHANICAL JOINT BOLTS & NUTS SHALL BE COMPOSED OF CORE-TEN.
- ALL OTHER HEXAGONAL BOLTS & NUTS SHALL BE COMPOSED OF STAINLESS STEEL.
- TRACER WIRE SHALL BE USED ON ALL PVC PIPE INSTALLATIONS.

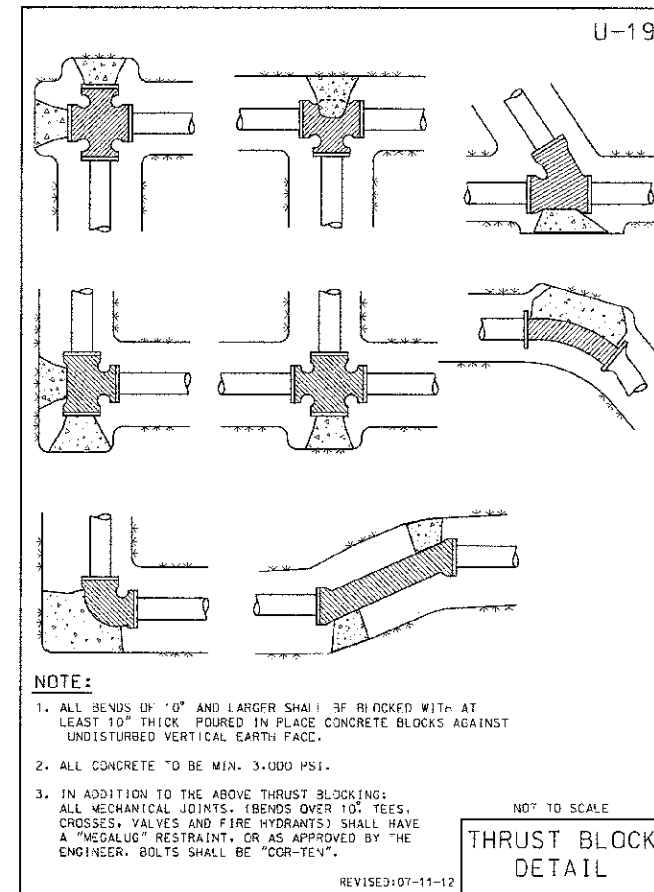
**VALVE VAULT DETAIL**



NOTES:

- 60" (MIN) INSIDE DIA. FOR ALL PRESSURE CONNECTION VAULTS.
- BACKFILL MATERIAL SHALL BE 100% CA 7 STONE.
- MECHANICAL JOINT BOLTS & NUTS SHALL BE COMPOSED OF CORE-TEN.
- ALL OTHER HEXAGONAL BOLTS & NUTS SHALL BE COMPOSED OF STAINLESS STEEL.
- USE ECCENTRIC CONE ONLY.
- VALVE VAULT MUST CONFORM TO ASTM C-478.
- ALL SECTIONS TO BE TONGUE AND GROOVED.
- NON-PRECAST OPENINGS SHALL BE CORED, RUBBER BOOTED AND MORTARED.
- TRACER WIRE SHALL BE USED ON ALL PVC PIPE INSTALLATIONS.

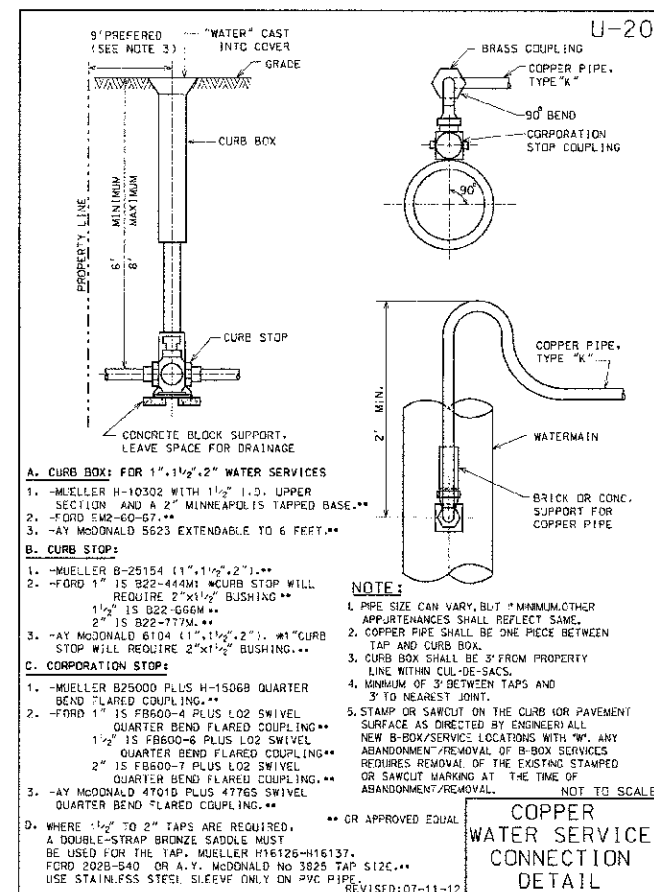
**PRESSURE CONNECTION DETAIL**



NOTE:

- ALL BENDS OF 90° AND LARGER SHALL BE BLOCKED WITH AT LEAST 10" THICK POURED IN PLACE CONCRETE BLOCKS AGAINST UNDISTURBED VERTICAL EARTH FACE.
- ALL CONCRETE TO BE MIN. 3,000 PSI.
- IN ADDITION TO THE ABOVE THRUST BLOCKING: ALL MECHANICAL JOINTS, (BENDS OVER 10°, TEES, CROSSES, VALVES AND FIRE HYDRANTS) SHALL HAVE A "MEGALUG" RESTRAINT W/"COR-TEN" BOLTS" OR AS APPROVED BY THE ENGINEER. BOLTS SHALL BE "COR-TEN".

**THRUST BLOCK DETAIL**



A. CURB BOX: FOR 1", 1 1/2", 2" WATER SERVICES

- MUELLER H-10302 WITH 1 1/2" I.D. UPPER SECTION AND A 2" MINNEAPOLIS TAPPED BASE.
- FORD E2-60-07.
- AY MCDONALD 5623 EXTENDABLE TO 6 FEET.

B. CURB STOP:

- MUELLER B-25154 (1", 1 1/2", 2").
- FORD 1" IS B22-444M; CURB STOP WILL REQUIRE 2"x1 1/2" BUSHING.
  - 1 1/2" IS B22-666M.
  - 2" IS B22-777M.
- AY MCDONALD 6104 (1", 1 1/2", 2"). \*1" CURB STOP WILL REQUIRE 2"x1 1/2" BUSHING.

C. CORPORATION STOP:

- MUELLER B25000 PLUS H-15068 QUARTER BEND FLARED COUPLING.
- FORD 1" IS FB800-4 PLUS L02 SWIVEL QUARTER BEND FLARED COUPLING.
  - 1 1/2" IS FB800-6 PLUS L02 SWIVEL QUARTER BEND FLARED COUPLING.
  - 2" IS FB800-7 PLUS L02 SWIVEL QUARTER BEND FLARED COUPLING.
- AY MCDONALD 4701D PLUS 4776S SWIVEL QUARTER BEND FLARED COUPLING.

D. WHERE 1/2" TO 2" TAPS ARE REQUIRED, A DOUBLE-STRAP BRONZE SADDLE MUST BE USED FOR THE TAP. MUELLER H16126-H16137, FORD 202B-S40 OR A.Y. MCDONALD NO 3825 TAP S12C. USE STAINLESS STEEL SLEEVE ONLY ON PVC PIPE.

NOTE:  
1. PIPE SIZE CAN VARY, BUT MINIMUM OTHER APPURTENANCES SHALL REFLECT SAME.  
2. COPPER PIPE SHALL BE ONE PIECE BETWEEN TAP AND CURB BOX.  
3. CURB BOX SHALL BE 3" FROM PROPERTY LINE WITHIN CURB DE-SACS.  
4. MINIMUM OF 3" BETWEEN TAPS AND 3" TO NEAREST JOINT.  
5. STAMP OR SAWCUT ON THE CURB FOR PAVEMENT SURFACE AS DIRECTED BY ENGINEER. ALL NEW B-BOX SERVICES LOCATIONS WITH ANY ABANDONMENT/REMOVAL OF B-BOX SERVICES REQUIRES REMOVAL OF THE EXISTING STAMPED OR SAWCUT MARKING AT THE TIME OF ABANDONMENT/REMOVAL.

**COPPER WATER SERVICE CONNECTION DETAIL**

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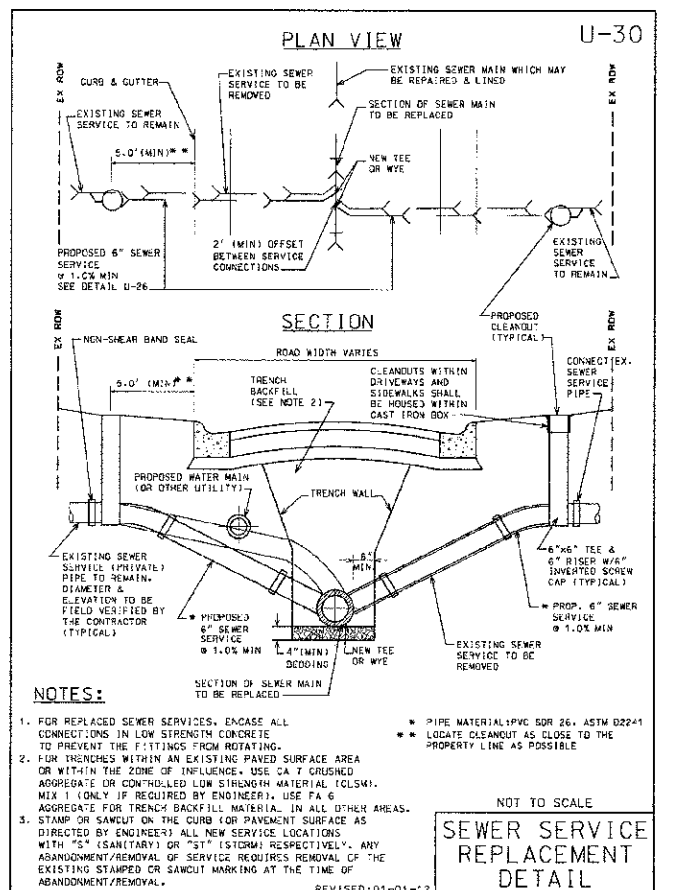
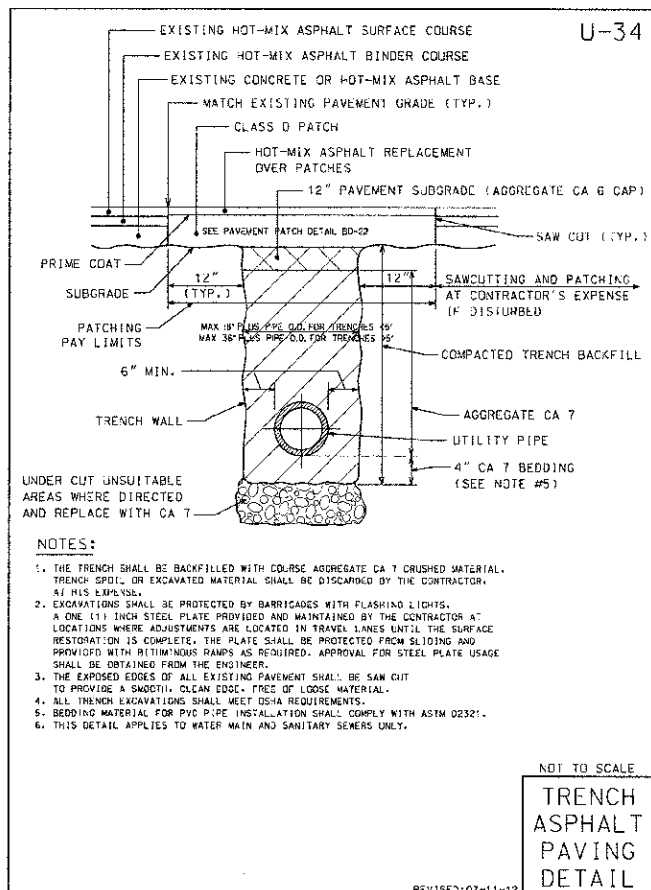
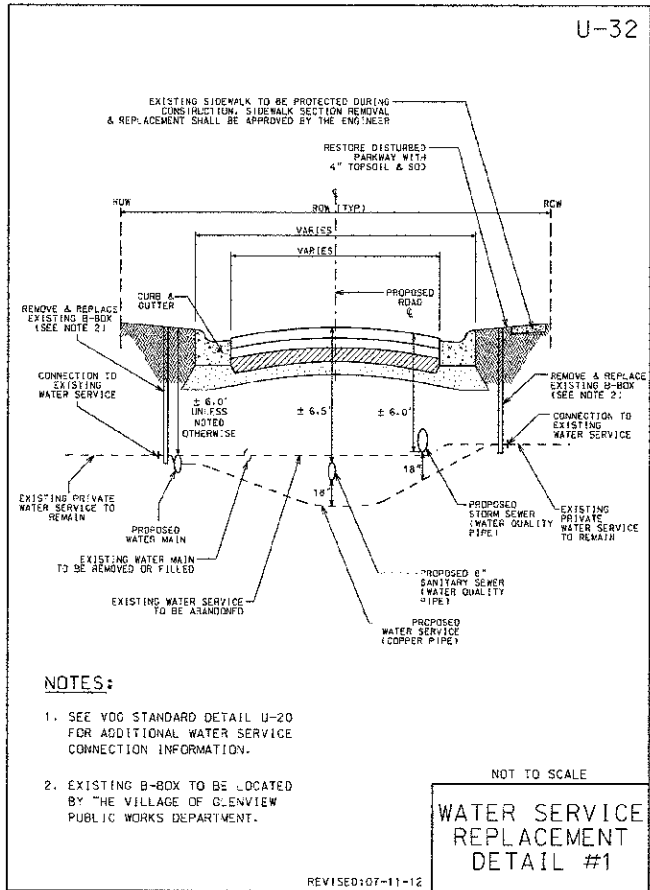
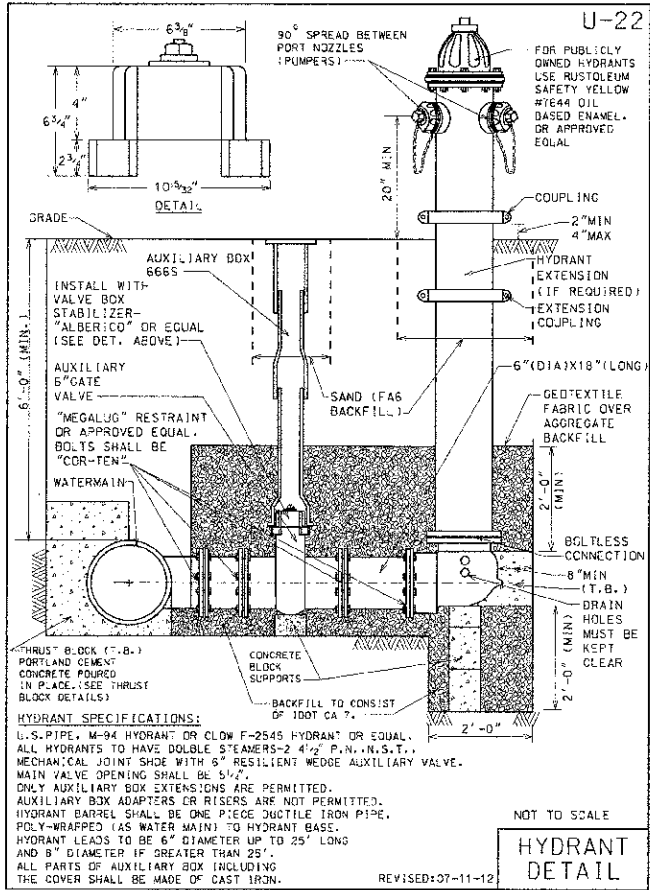
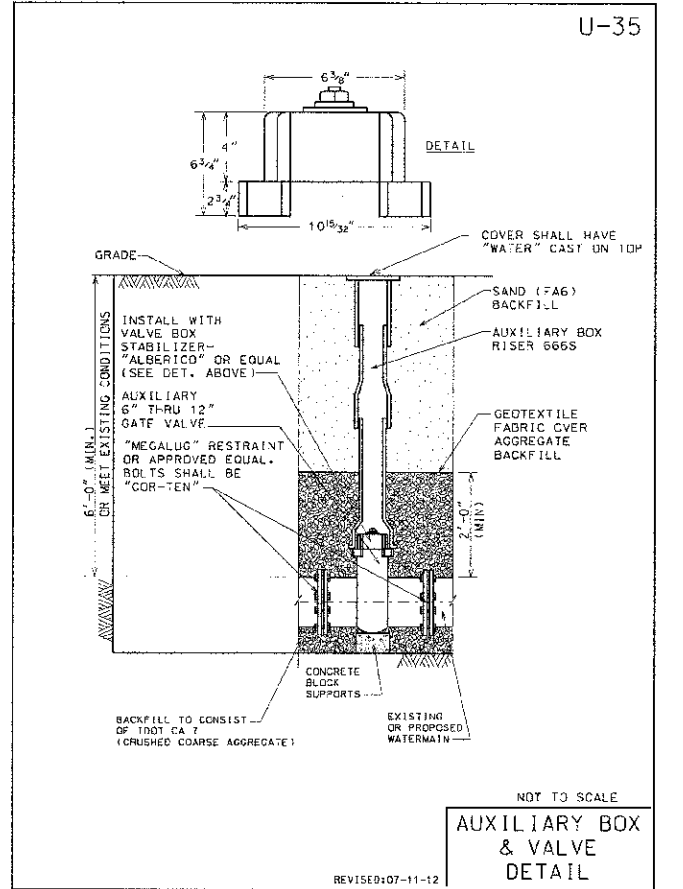
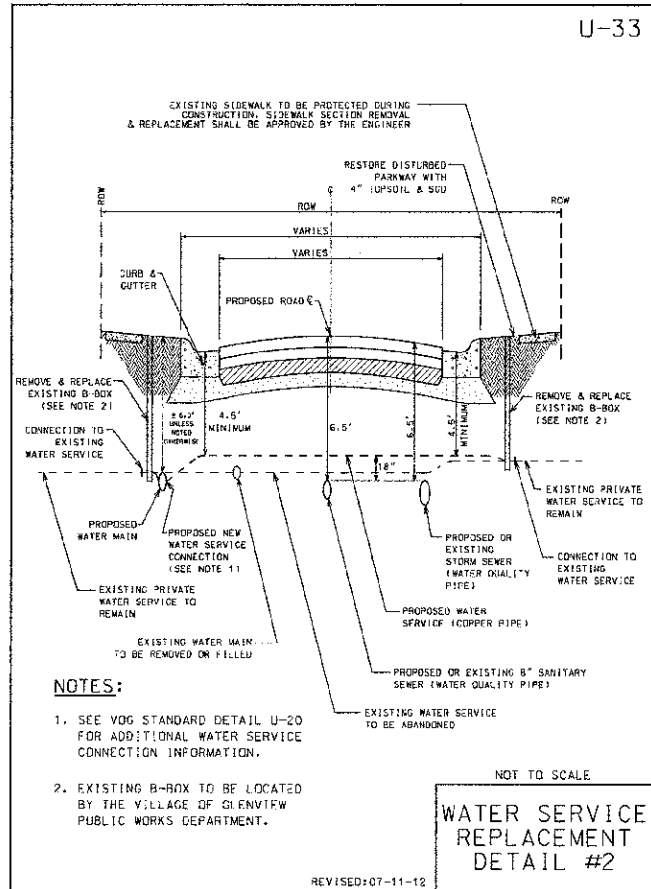
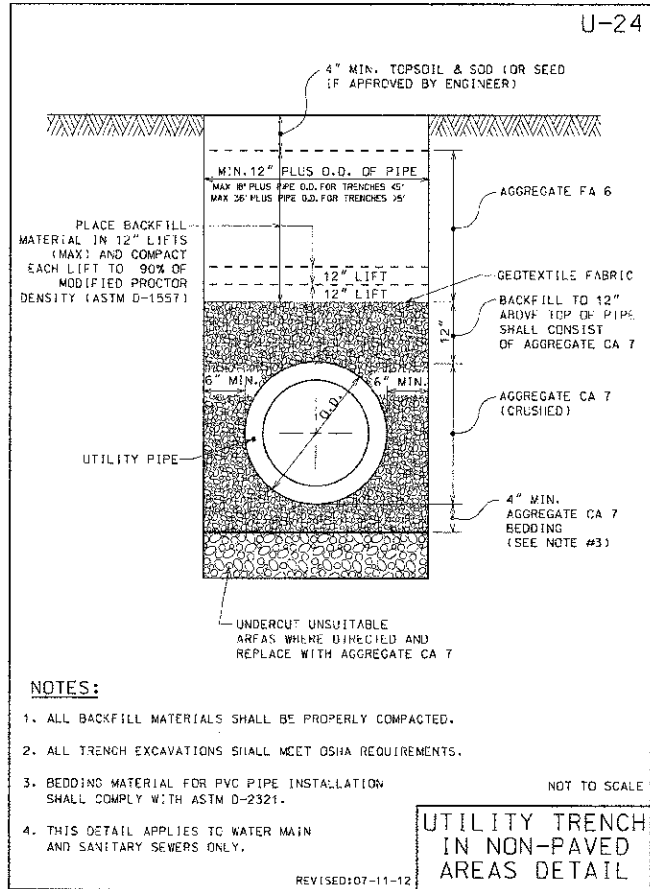
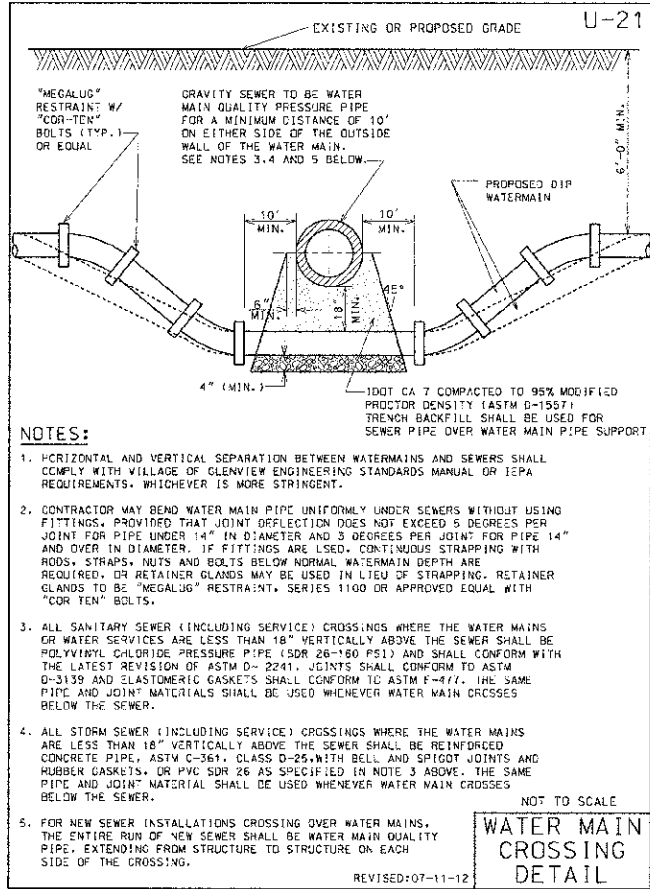
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DRAWN - MAC	REVISED -
CHECKED - TLH	REVISED -
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

MISCELLANEOUS DETAILS

SCALE: NONE STA. TO STA.

F.A.P./F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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C-91-070-06		CONTRACT NO. 6.3756		
FED. ROAD DIST. NO. 1 (ILLINOIS)		FED. AID PROJECT F-0348(35)		



DESIGNED BY: DSH  
 DRAWN BY: MAC  
 CHECKED BY: TLH  
 DATE: 8/23/12

REVISED BY:  
 REVISED BY:  
 REVISED BY:

FILE: 110026-12.MISC.DETS.917

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

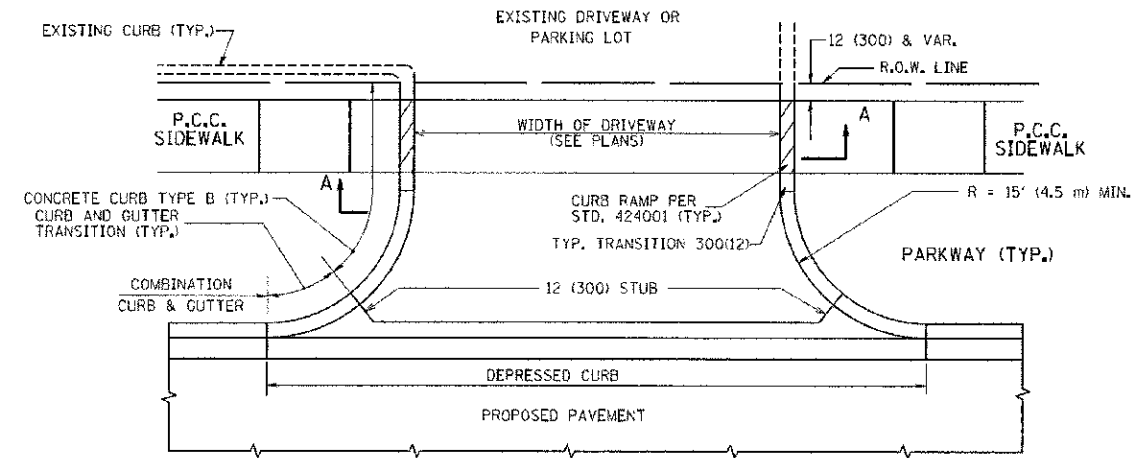
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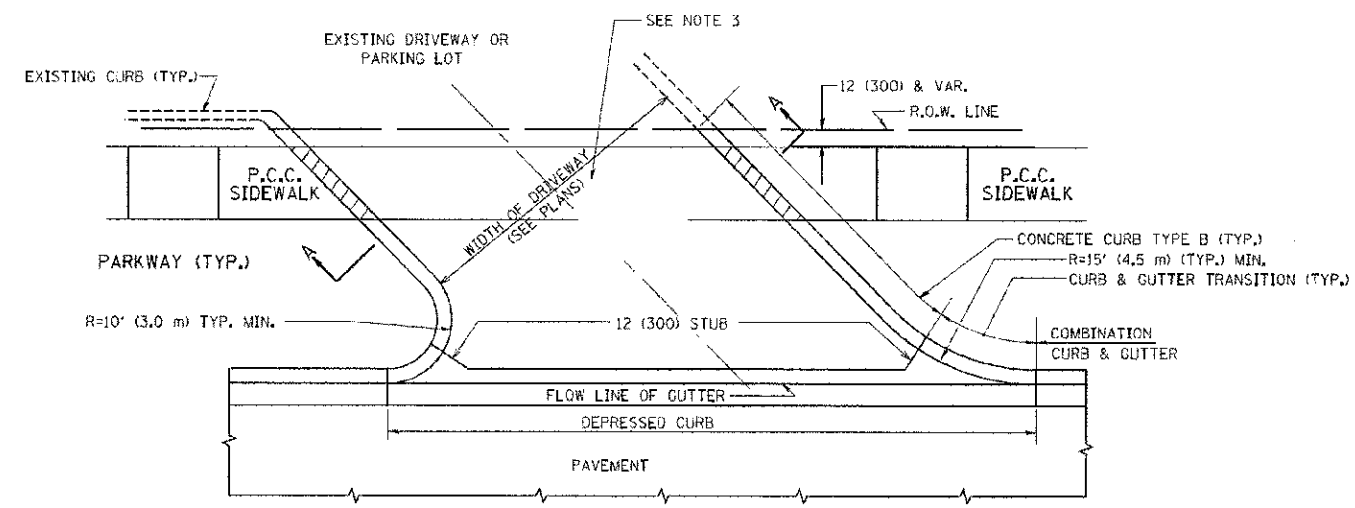
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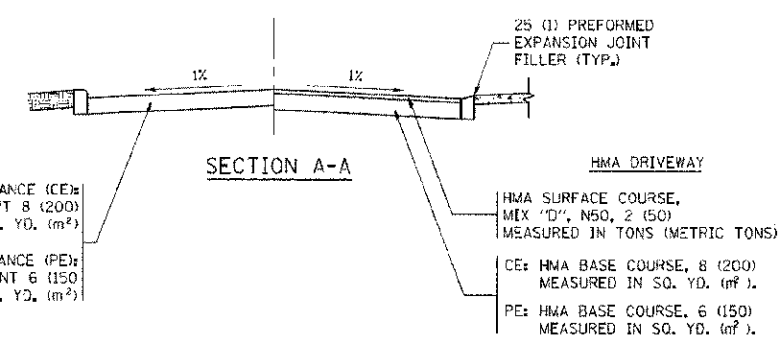




WITH CONCRETE CURB, TYPE B

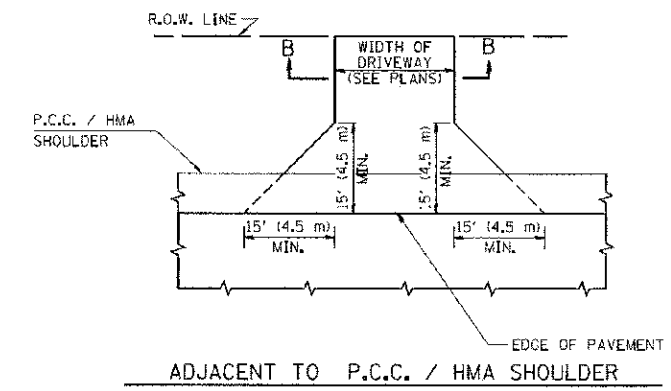


WITH CONCRETE CURB, TYPE B

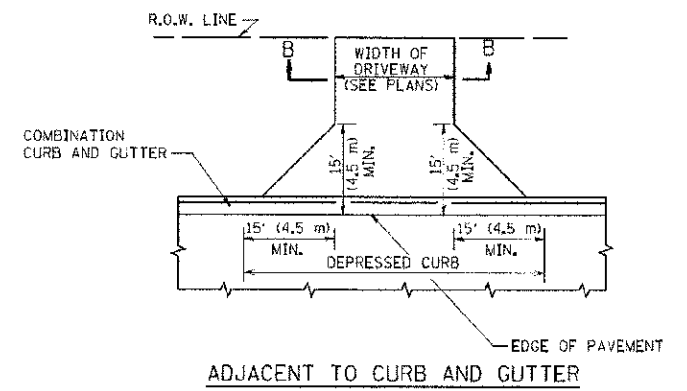


**RIGID DRIVEWAY**  
 COMMERCIAL ENTRANCE (CE):  
 P.C.C. DRIVEWAY PAVEMENT 8 (200)  
 MEASURED IN SQ. YD. (m<sup>2</sup>)  
 NON-COMMERCIAL ENTRANCE (PE):  
 P.C.C. DRIVEWAY PAVEMENT 6 (150)  
 MEASURED IN SQ. YD. (m<sup>2</sup>)

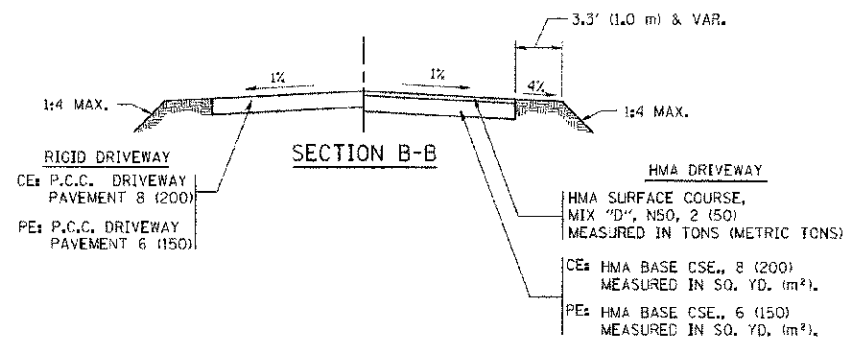
**HMA DRIVEWAY**  
 HMA SURFACE COURSE,  
 MIX "D", N50, 2 (50)  
 MEASURED IN TONS (METRIC TONS)  
 CE: HMA BASE COURSE, 8 (200)  
 MEASURED IN SQ. YD. (m<sup>2</sup>).  
 PE: HMA BASE COURSE, 6 (150)  
 MEASURED IN SQ. YD. (m<sup>2</sup>).



ADJACENT TO P.C.C. / HMA SHOULDER



ADJACENT TO CURB AND GUTTER



**RURAL FIELD ENTRANCE (FE)**  
 HMA SURFACE COURSE,  
 MIX "D", N50, 2 (50)  
 MEASURED IN TONS (METRIC TONS)  
 AGGREGATE BASE CSE., TYPE B, 8 (200)  
 MEASURED IN SQ. YD. (m<sup>2</sup>).

**GENERAL NOTES:**

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATIONS IN THE PERMIT HANDBOOK. DRIVEWAYS SHALL BE REPLACED IN KIND, UNLESS OTHERWISE NOTED ON THE PLANS.

COMMERCIAL DRIVEWAYS SHALL BE CONSTRUCTED WITH CONCRETE CURB, TYPE B RETURNS EXCEPT WHEN THE SIDEWALK EDGE IS 4 FEET (1.2 METERS) OR LESS FROM THE BACK OF CURB, CONSTRUCT A FLARE DRIVEWAY WITHOUT CURB.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847/ 705-4131 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS; SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

1 (25) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.

WHEN THE P.C.C. SIDEWALK EXTENDS THROUGH THE DRIVEWAY, THE THICKNESS OF THE SIDEWALK IN THE DRIVEWAY AREA SHALL BE THE SAME AS THE DRIVEWAY THICKNESS. SIDEWALK WILL BE PAID FOR AS P.C.C. SIDEWALK OF THE THICKNESS SPECIFIED. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 150.

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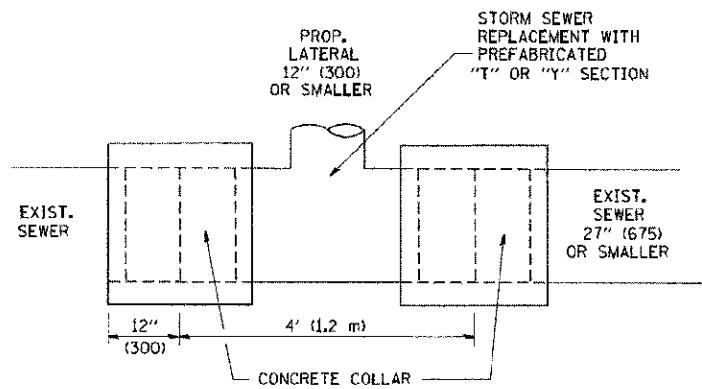
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		DATE - 11-04-95	REVISED - R. BORO 09-06-11

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB &amp; EDGE OF SHOULDER &gt;= 15' (4.5 m)</b>			
SCALE: NONE	SHEET NO. 1	OF 1 SHEETS	STA. TO STA.

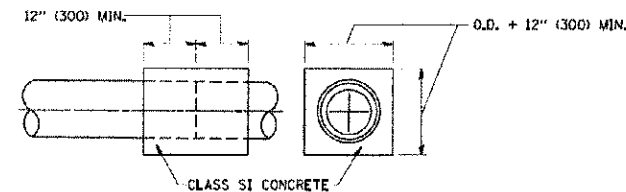
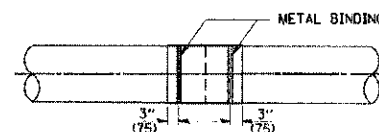
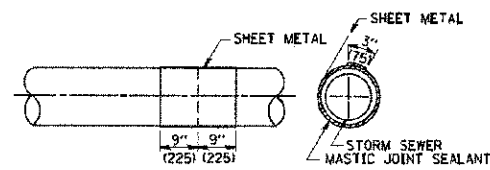
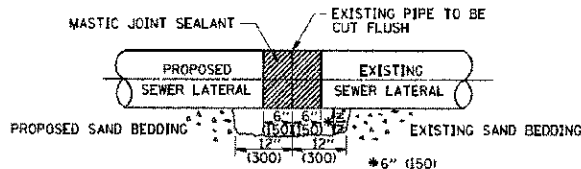
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BDD156-07 (BD-01)			CONTRACT NO. 63756	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT F-0348(35)				





DETAIL "A"

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

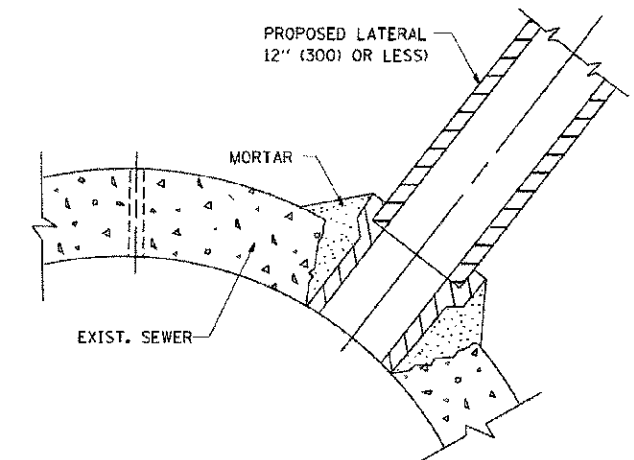


DETAIL "B"

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 L1 (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

1. 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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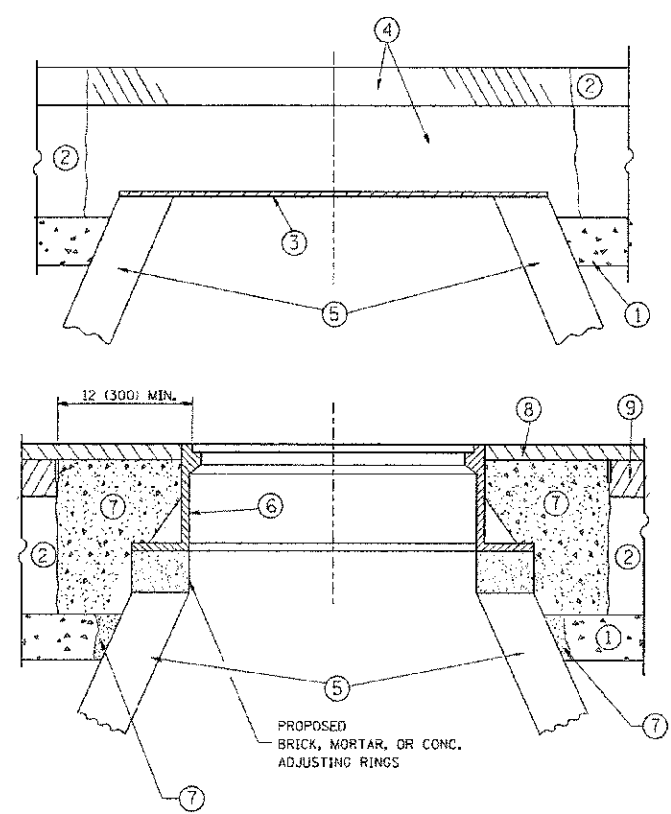
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		CHECKED -	REVISED - R. SHAH 10-25-94
		DATE - 07-25-90	REVISED - R. SHAH 06-12-96

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.P. RTE. 0348	SECTION 05-CC160-00-CH	COUNTY COOK	TOTAL SHEETS 109	SHEET NO. 82
BD500-01 (BD-7)			CONTRACT NO. 63756	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT F-0348(35)				

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 WWW.BAXTERANDWOODMAN.COM



**NOTES:**

EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.

IF THE EXISTING LIDS ARE OPEN, THE FRAME WILL BE ADJUSTED TO THE ELEVATION OF THE MILLED PAVEMENT SURFACE PRIOR TO THE MILLING OPERATION. THE FRAME WILL NOT BE REMOVED AND COVERED BY THE METAL PLATE.

CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.

THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

WHEN STRUCTURES ARE TO BE ADJUSTED OR RECONSTRUCTED, THE LOWERING AND RAISING OF THE FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE CORRESPONDING PAY ITEM.

**CONSTRUCTION PROCEDURES**

**STAGE 1 (BEFORE PAVEMENT MILLING)**

A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.  
 B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.  
 C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.  
 D) BACKFILL WITH CRUSHED STONE AND A MINIMUM 1 1/2 (40) THICK HMA SURFACE MIX APPROVED BY THE ENGINEER.

**STAGE 2 (AFTER PAVEMENT MILLING)**

A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.  
 B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.  
 C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS PP-1\* CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

\* UNLESS OTHERWISE SPECIFIED IN THE PLANS.

THE PROCEDURE EXPLAINED ABOVE SHALL CONFORM TO THE APPLICABLE PORTIONS OF SECTIONS 353, 406, 602, AND 603 OF THE STANDARD SPECIFICATIONS EXCEPT THAT "THE CONTRACTOR SHALL ADJUST THE STRUCTURES TO THE FINISHED PAVEMENT ELEVATION NO MORE THAN 5 CALENDAR DAYS PRIOR TO PLACEMENT OF THE FINAL LIFT OF SURFACE UNLESS APPROVED BY THE ENGINEER."

- LEGEND**
- ① SUB-BASE GRANULAR MATERIAL
  - ⑥ FRAME AND LID (SEE NOTES)
  - ② EXISTING PAVEMENT
  - ⑦ CLASS PP-1\* CONCRETE
  - ③ 36 (900) DIAMETER METAL PLATE
  - ⑧ PROPOSED HMA SURFACE COURSE
  - ④ PROPOSED CRUSHED STONE AND HMA SURFACE MIX
  - ⑨ PROPOSED HMA BINDER COURSE
  - ⑤ EXISTING STRUCTURE

**LOCATION OF STRUCTURES:**

THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF THE BURIED STRUCTURES ACCORDING TO THE STATION AND DISTANCE LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT. UPON COMPLETION OF THE WORK, THE CONTRACTOR WILL DELIVER THE RECORD TO THE ENGINEER.

**BASIS OF PAYMENT:**

REMOVING FRAMES AND LIDS ON DRAINAGE AND UTILITY STRUCTURES IN THE PAVEMENT PRIOR TO MILLING, AND ADJUSTING TO FINAL GRADE PRIOR TO PLACING THE SURFACE COURSE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)."

THIS WORK WILL NOT BE PAID FOR WHEN DRAINAGE AND UTILITY STRUCTURES ARE SPECIFIED FOR PAYMENT AS STRUCTURE RECONSTRUCTION.

NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.

**DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING**

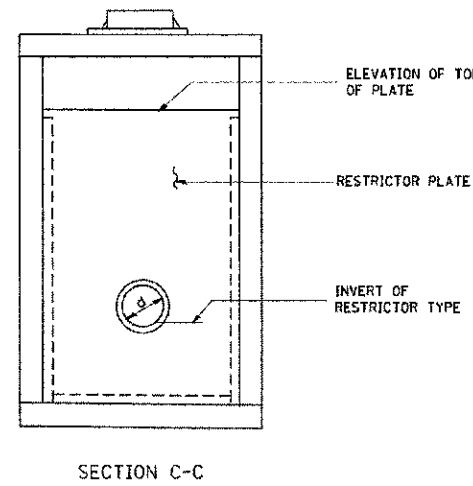
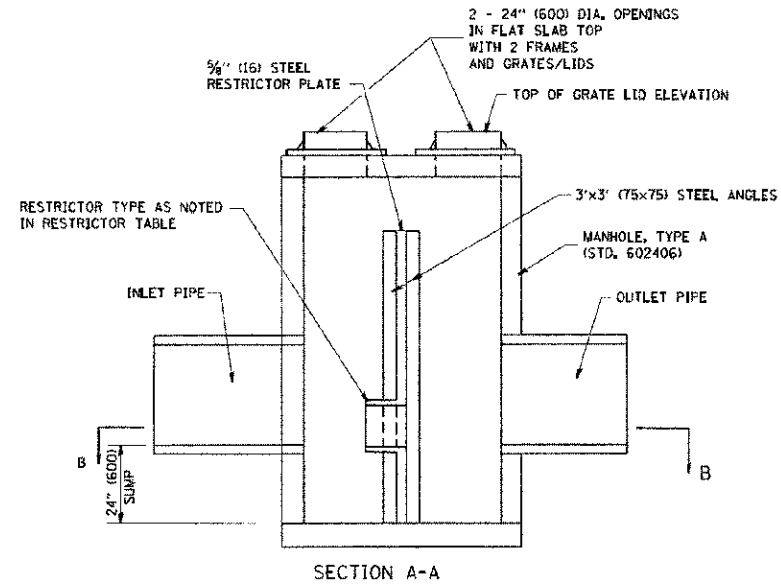
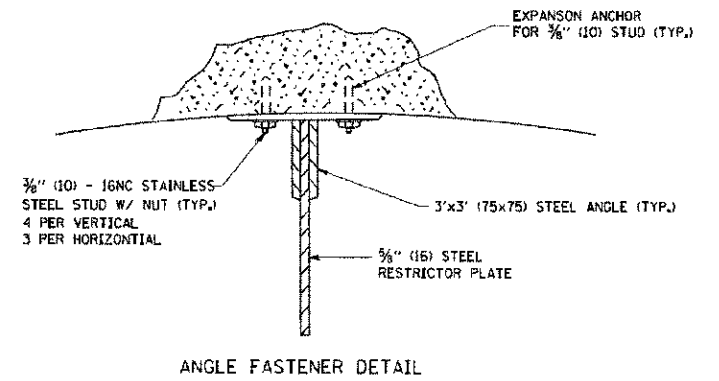
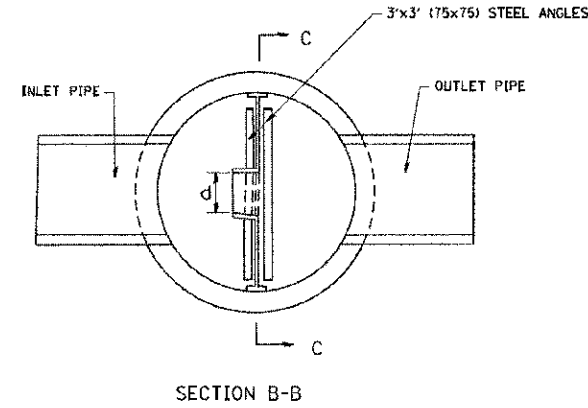
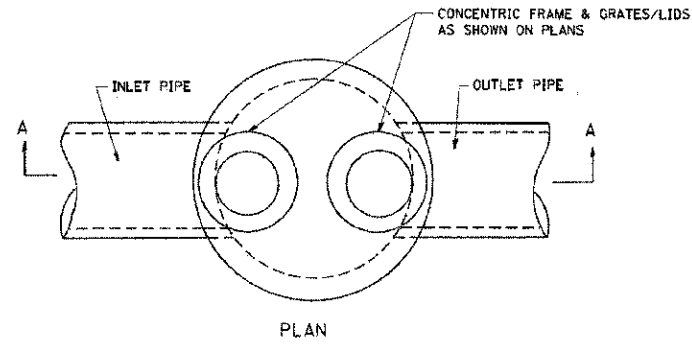
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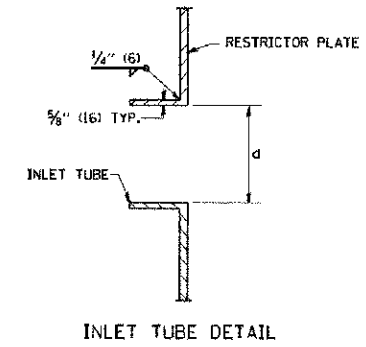
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING</b>	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS STA. TO STA.

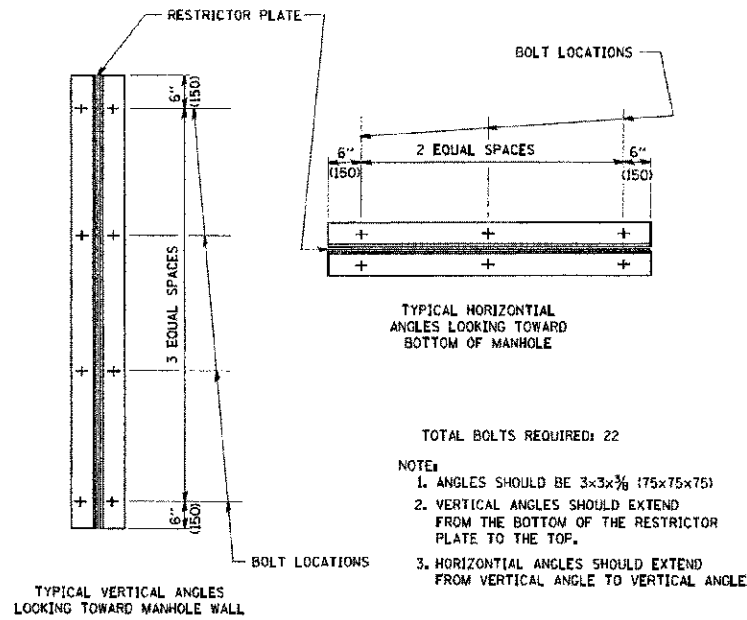
F.A.P. RTE. 0348	SECTION 05-00160-00-CH	COUNTY COOK	TOTAL SHEETS 109	SHEET NO. 83
<b>BD600-03 (8D-8)</b>			CONTRACT NO. 63756	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT F-0348(35)				



- NOTES:
1. ALL STEEL ANGLES AND PLATES TO BE GALVANIZED AFTER FABRICATION.
  2. ALL RESTRICTOR PLATES, ANGLES AND HARDWARE TO BE INCLUDED IN THE COST OF THE MANHOLE.
  3. BASIS OF PAYMENT: "MANHOLES, TYPE A, 6 FT. (1.8 m) DIAMETER, TYPE 1 FRAME, CLOSED LID, RESTRICTOR PLATE" EACH



STATION	MANHOLE DIAMETER	FRAME AND GRATE	RESTRICTOR TYPE	INSIDE RESTRICTOR TYPE DIAMETER In. (mm) (d)	INVERT OF RESTRICTOR TYPE	ELEVATION OF TOP OF PLATE OVERFLOW
201+93 LT	5'	TYPE 1, CLID	2	15	631.60	634.50
301+50 LT	7'	TYPE 1, CLID	2	32	622.50	627.33



RESTRICTOR TYPE					
1	2	3	4	5	6
RE-ENTRANT TUBE	SHARP EDGED	SQUARE EDGED	RE-ENTRANT TUBE	SQUARE EDGED	ROUNDED
LENGTH: 1/2 TO 1 DIA.		STREAM CLEARS SIDES	LENGTH: 2-1/2 DIA.	LENGTH: 2-1/2 DIA.	
C=.52	C=.61	C=.73	C=.73	C=.82	C=.98

VALUES OF "C" FOR CIRCULAR AND SQUARE ORIFICES

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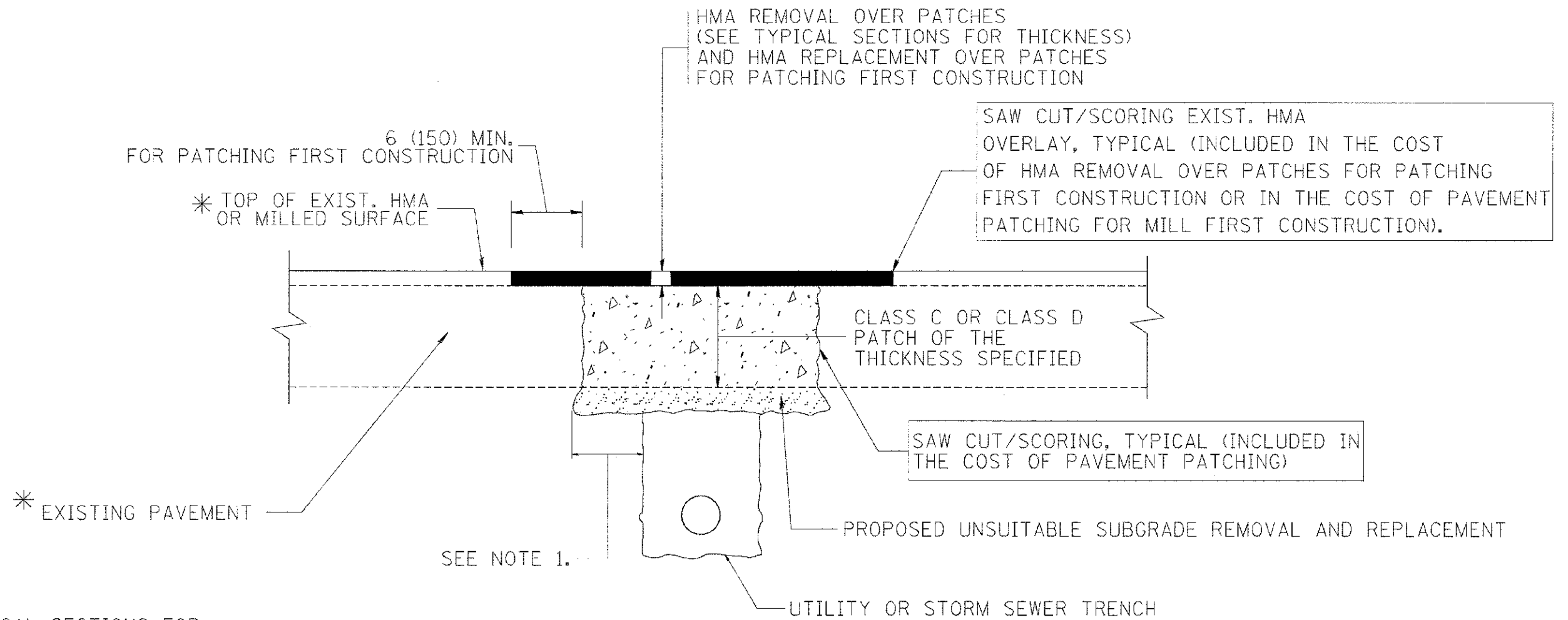
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 USER: ggglianob  
 PLOT DATE: 1/4/2008

FILE NAME: \\snp\share\proj\1100025\1100025.dgn	USER NAME: ggglianob	DESIGNED: R. SHAH	REVISED: R. SHAH 10-25-94
		DRAWN:	REVISED: E. GOMEZ 08-28-00
		CHECKED:	REVISED: M. GOMEZ 01-08-01
		DATE: 09-09-94	REVISED:

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

MANHOLE WITH RESTRICTOR PLATE		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.
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F.A. RTE. 0348	SECTION 05-00160-00-CH	COUNTY COOK	TOTAL SHEETS 109	SHEET NO. 84
BD600-04 (BD-12)		CONTRACT NO. 63756		
FED. ROAD DIST. NO. 1 ILLINOIS REG. AID PROJ. ECT. 0348(03)				



\* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

**NOTES:**

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

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

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

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

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

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

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 312.467.1000  
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 DRAWN -  
 CHECKED -  
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 REVISED - R. BORO 01-01-07  
 REVISED - R. BORO 09-04-07  
 REVISED - K. ENG 10-27-08

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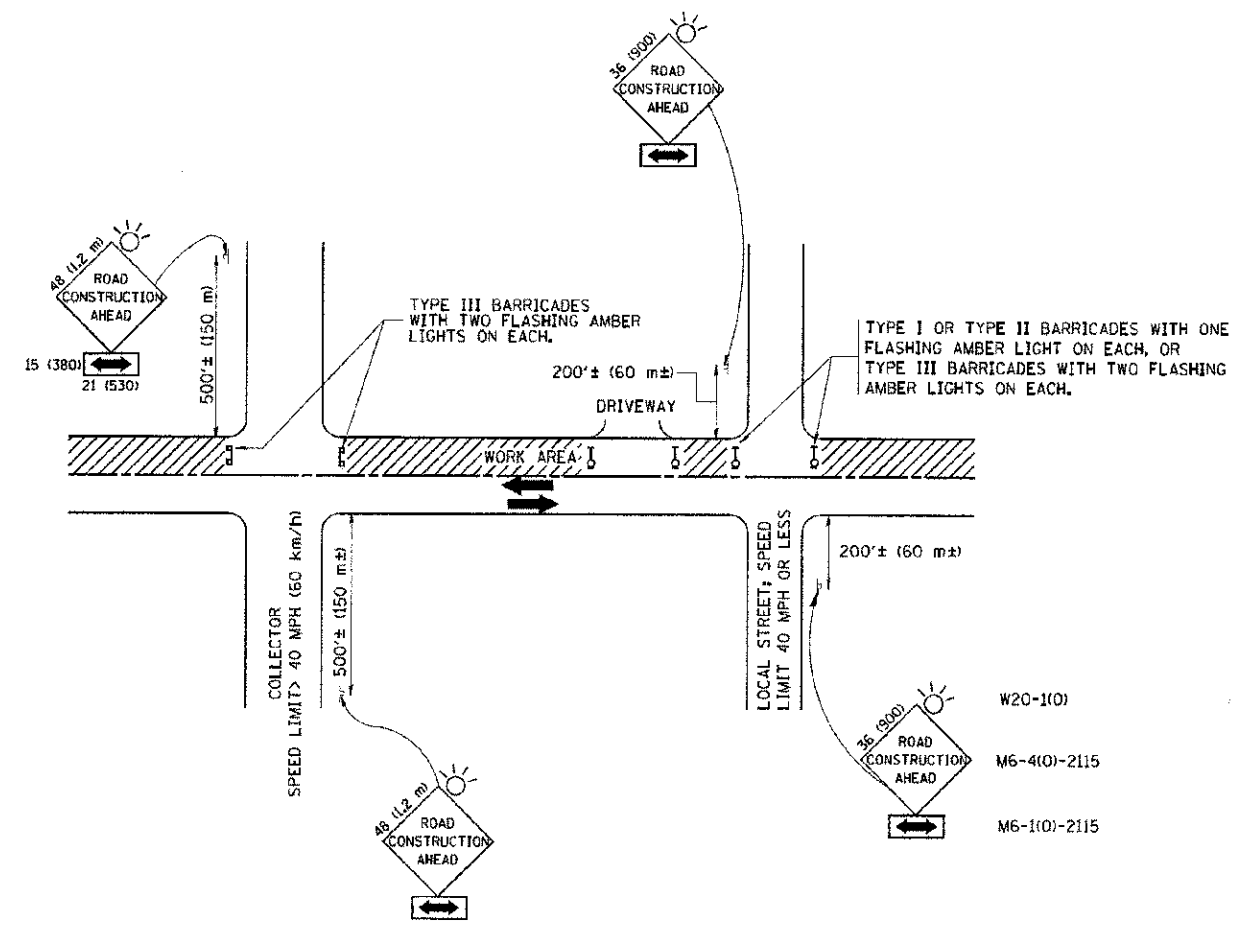
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT PATCHING FOR  
HMA SURFACED PAVEMENT**

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

F.A.P. RTE. 1	SECTION 05-00160-00-CH	COUNTY COOK	TOTAL SHEETS 109	SHEET NO. 85
<b>BD400-04 (BD-22)</b>		CONTRACT NO. 63756		
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT F-0548135				





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

**NOTES:**

- A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS**
- SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
    - ONE ROAD CONSTRUCTION AHEAD SIGN 36 x 36 (900x900) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
    - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
  - SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
    - ONE ROAD CONSTRUCTION AHEAD SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
    - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
- 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. 70150L, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.
- C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.**
- D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.**

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

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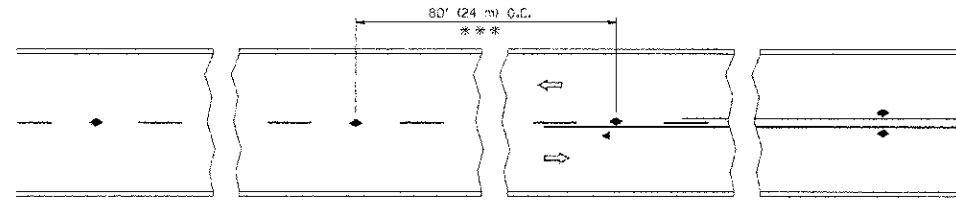
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	PLOT DATE = 1/4/2008	DATE - 06-89	REVISED - T. RAMNACHER 01-06-00

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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

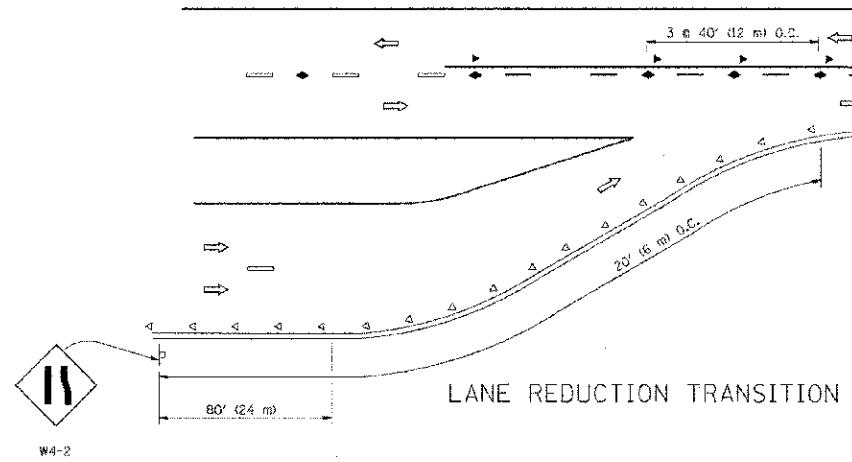
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F.A.P. RTE. 0348	SECTION 05-00160-00-CH	COUNTY COOK	TOTAL SHEETS 109	SHEET NO. 87
<b>TC-10</b>			<b>CONTRACT NO. 63756</b>	
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT F-0348(36)				

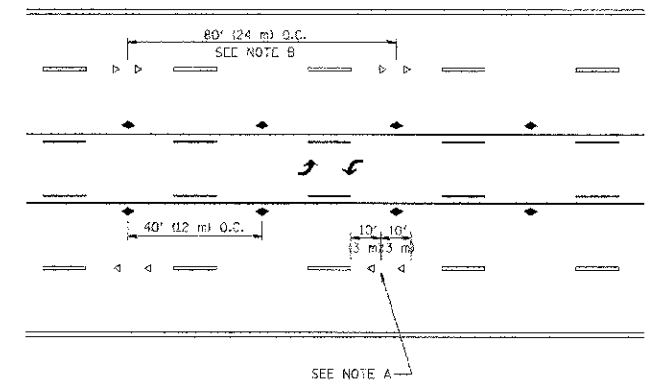


\*\*\* REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

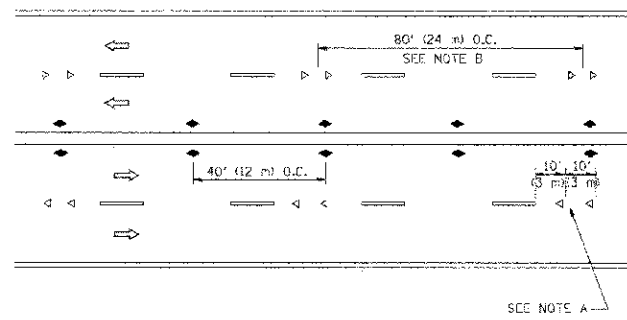
TWO-LANE/TWO-WAY



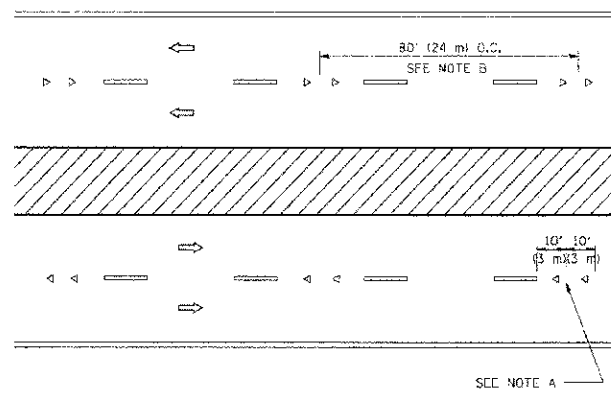
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.

SYMBOLS

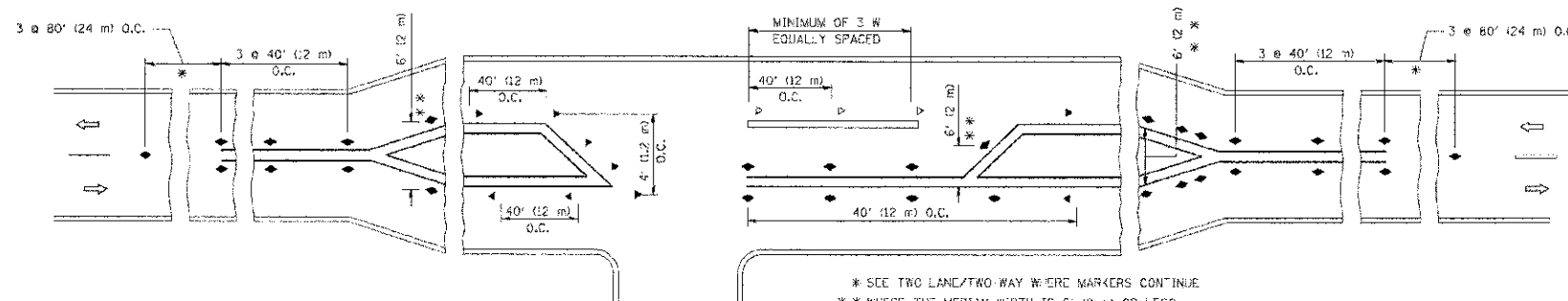
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
- B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H. (20 km/h) LOWER THAN POSTED SPEEDS.

DESIGN NOTES

1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHOULD BE INCLUDED IN THE PLANS.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.



LEFT TURN

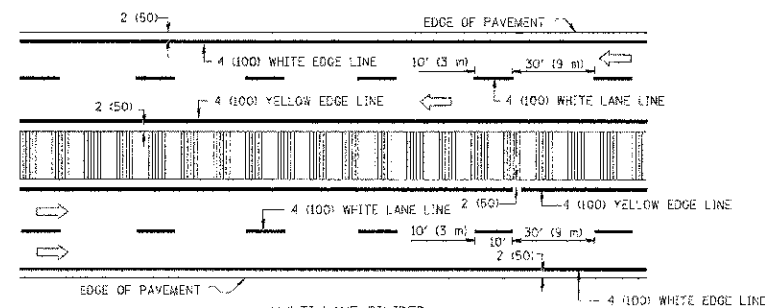
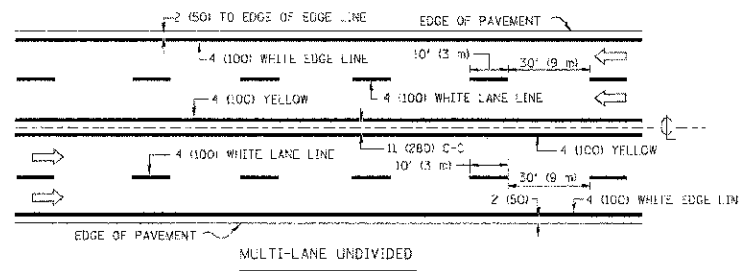
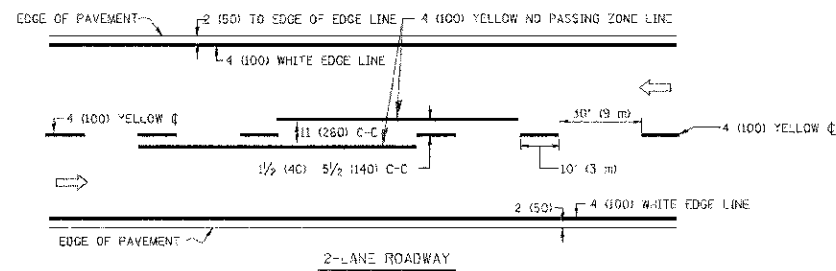
\* SEE TWO LANE/TWO-WAY WHERE MARKERS CONTINUE  
 \*\* WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

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

FILE NAME = ... USER NAME = ... DESIGNED = ... REVISED = ...  
 DRAWN = ... CHECKED = ... DATE = ...  
 PLOT SCALE = 5/8" = 1' IN. PLOT DATE = 9/1/2009  
 STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION  
 RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)  
 SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.  
 F.A.P. RTE. 0348 SECTION 05-00160-00-CH COUNTY TOTAL SHEETS 109 SHEET NO. 88  
 TC-11 CONTRACT NO. 63756  
 REC. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT F-0348(35)

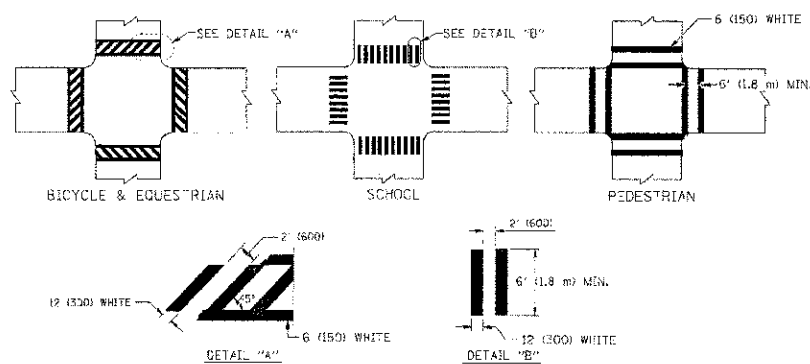
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...	...	...	...			0348	05-00160-00-CH		109	88	
...	...	...	...			<b>TC-11</b>					
...	...	...	...			CONTRACT NO. 63756					
...	...	...	...			REC. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT F-0348(35)					



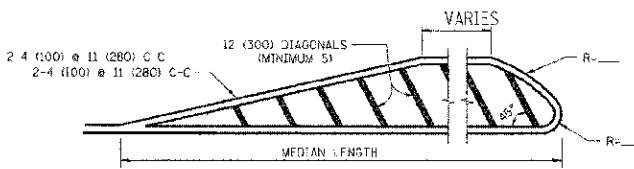
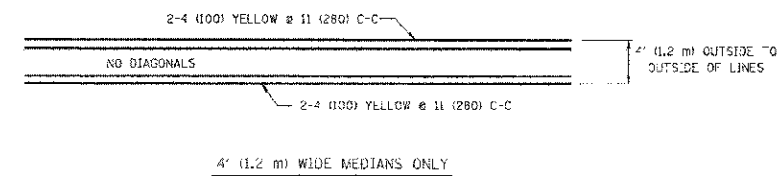


NOTE: MEDIANS WITH BARRIER CURBS DO NOT REQUIRE AN EDGE LINE

**TYPICAL LANE AND EDGE LINE MARKING**

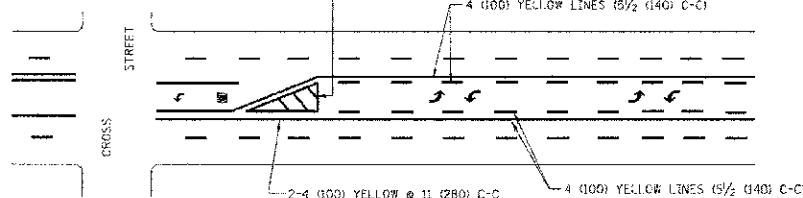


**TYPICAL CROSSWALK MARKING**



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' (23 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)  
 150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

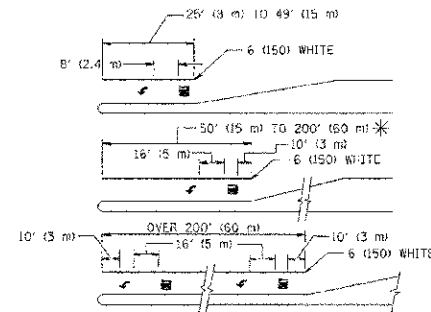
**MEDIANS OVER 4' (1.2 m) WIDE**



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.



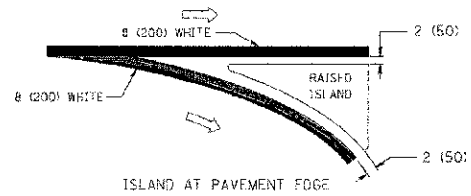
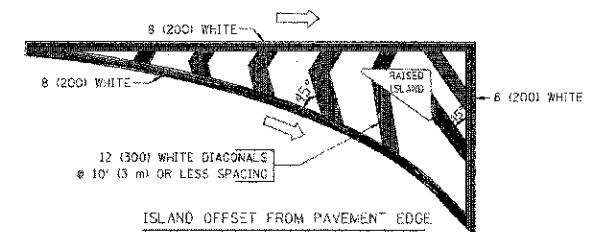
**TYPICAL PAINTED MEDIAN MARKING**



FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.  
 AREA = 15.6 SQ. FT. (1.5 m<sup>2</sup>) ONLY AREA = 20.8 SQ. FT. (1.9 m<sup>2</sup>)  
 \* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW "ONLY".

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

**TYPICAL TURN LANE MARKING**



**TYPICAL ISLAND MARKING**

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5/2 (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 CURBS
TURN LANE MARKINGS	6 (150) LINES; FULL SIZE LETTERS & SYMBOLS 16' (2.4 m)	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4 m) 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 SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	2 @ 1600	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.
CORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C OVER 45MPH (70 km/h)
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 78000; AREA OF: "R"=3.6 SQ. FT. (0.33 m <sup>2</sup> ) EACH "X"=54.0 SQ. FT. (5.0 m <sup>2</sup> )
SHOULDER DIAGONALS	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (23 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 78000.

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

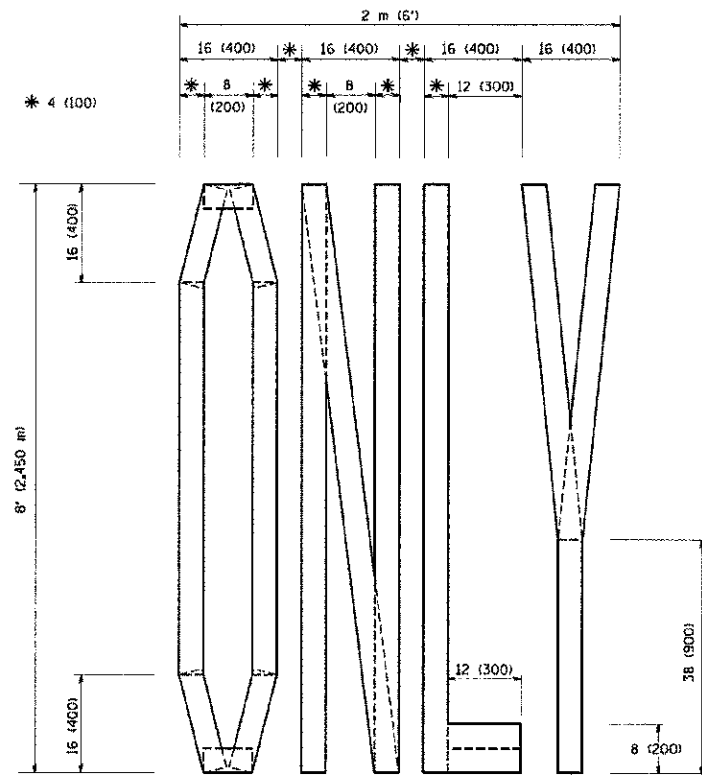
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 DESIGNED: EVERS  
 DRAWN: dsvkocson  
 CHECKED: -  
 DATE: 03-19-90  
 PLOT SCALE: 1/8" = 1'-0"  
 PLOT DATE: 9/9/2009  
 REVISIONS: 10-27-94, 09-09-09  
 SHEET NO. 109 OF 109  
 CONTRACT NO. 63756

FILE NAME: c:\pwworking\pwworking\drawings\0319-90\0319-90-01.dwg	USER: dsvkocson	DESIGNED: EVERS	REVISED: -T. RAMMACHER 10-27-94
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		CHECKED: -	REVISED: -
		DATE: 03-19-90	REVISED: -

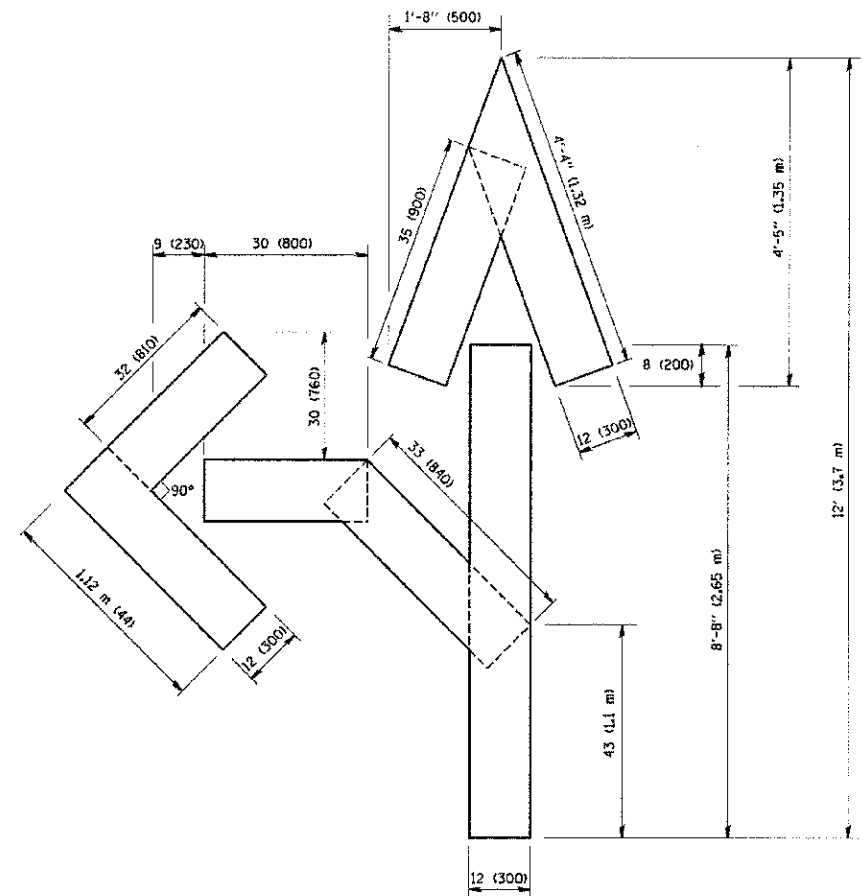
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

DISTRICT ONE		F.A.P. NO. 0348	SECTION 05-00160-00-C-1	COUNTY COOK	TOTAL SHEETS 109	SHEET NO. 89
TYPICAL PAVEMENT MARKINGS		TC-13		CONTRACT NO. 63756		
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT F-0348(35)			

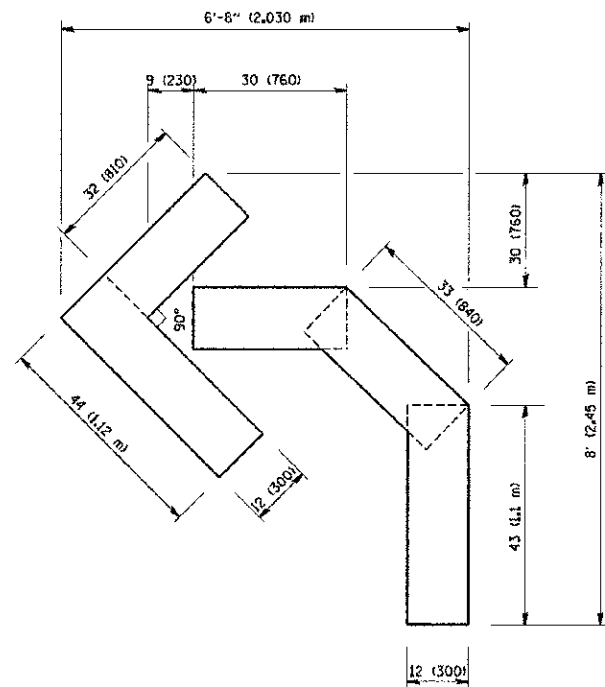




QUANTITY  
4 (100) LINE = 64.1 ft. (19.7 m)  
21.1 sq. ft. (1.97 sq. m)



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.

COMPRISE & 2016 BY DANIEL A. WOODMAN, INC. \\ndotestd\22x34\to16.cgn  
 STATE OF ILLINOIS - PROFESSIONAL DESIGNER  
 LICENSE NO. - 188-0017 - EXPIRES 4/30/2018  
 807/2028 - 243617 PW. 8/3/95-11/15/01 WINDOZE-5, cop. dr. Eng\10025-2 - chestnut end -5\100-516\11\DRAWINGS\005\10025-2\ILLUSTR-10.cvt

FILE NAME = \\ndotestd\22x34\to16.cgn	USER NAME = gaglanobt	DESIGNED - -	REVISED - -T. RAMMACHER 06-05-96
		DRAWN - -	REVISED - -T. RAMMACHER 11-04-97
	PLOT SCALE = 50.0000 "/ IN.	CHECKED - -	REVISED - -T. RAMMACHER 03-02-98
	PLOT DATE = 1/4/2008	DATE - 09-18-94	REVISED - -E. GOMEZ 08-28-00

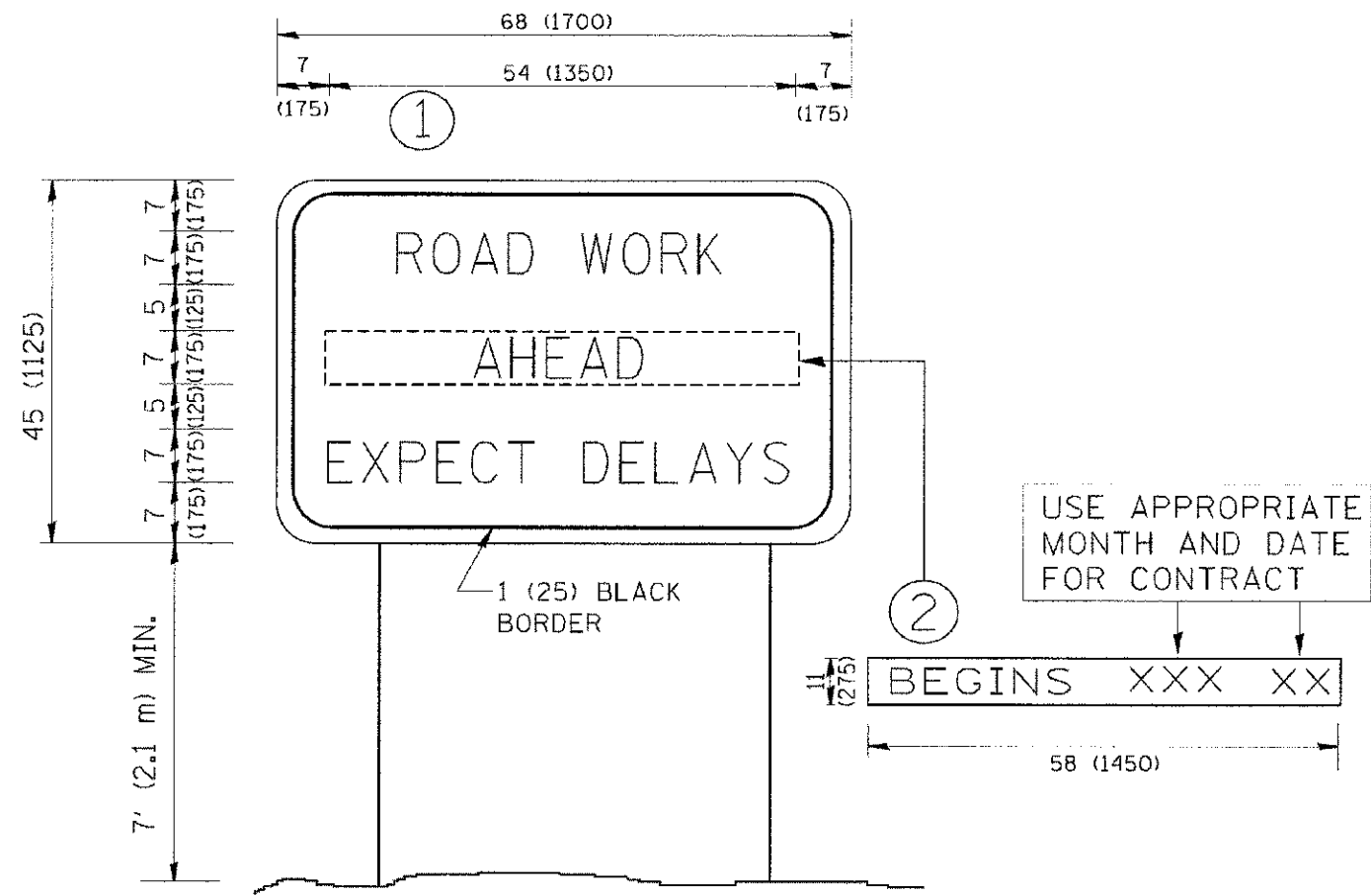
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING LETTERS AND SYMBOLS  
FOR TRAFFIC STAGING

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0348	05-00160-00-CH	COOK	109	91
TC-16			CONTRACT NO. 63756	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT F-6348(35)				

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 LICENSE NO. 184-03281 EXPRES 4/30/2013  
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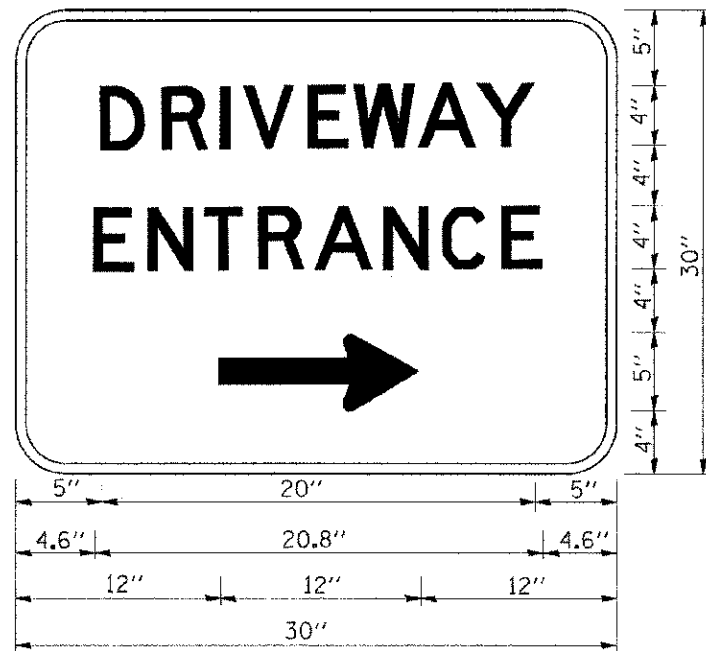


**NOTES:**

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

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

FILE NAME = W:\d1stato\22x34\to22.dgn	USER NAME = gaglionebt	DESIGNED - DRAWN - CHECKED - DATE -	REVISED - R. WIRS 09-15-97 REVISED - R. WIRS 12-11-97 REVISED - T. RAMMACHER 02-02-99 REVISED - C. JUCIUS 01-31-07	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ARTERIAL ROAD INFORMATION SIGN</b>	SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	F.A.P. RTE. 0348	SECTION 05-00:60-00-CH	COUNTY COOK	TOTAL SHEETS 109	SHEET NO. 92
<b>TC-22</b>										CONTRACT NO. 63756			
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT F-0348(35)													



3.0" RADIUS, 0.5" BORDER, WHITE ON GREEN; REFLECTORIZED  
 "DRIVEWAY" D; "ENTRANCE" D; STANDARD ARROW CUSTOM 12.0" x 5.0"

**NOTES:**

1. HALF OF THE SIGNS WILL REQUIRE A LEFT HAND FACING ARROW.
2. TWO SIGNS SHALL BE USED AT EACH COMMERCIAL ENTRANCE  
 PLACED BACK-TO-BACK; ONE WITH A RIGHT HAND ARROW (SHOWN)  
 SHALL BE PLACED ON THE NEAR RIGHT SIDE THE DRIVEWAY  
 AND ONE WITH A LEFT HAND ARROW SHALL BE PLACED ON THE  
 FAR LEFT SIDE OF THE DRIVEWAY.
3. SIGNS TO BE PAID FOR AS ITEM "TEMPORARY INFORMATION SIGNING".

FILE NAME = W:\asistat\22x34\1c26.dgn  
 USER NAME = gajlencat  
 DESIGNED - C. JUJUS 02-15-07  
 DRAWN -  
 CHECKED -  
 DATE -  
 PLOT SCALE = 50.000 ' / IN.  
 PLOT DATE = 1/4/2008

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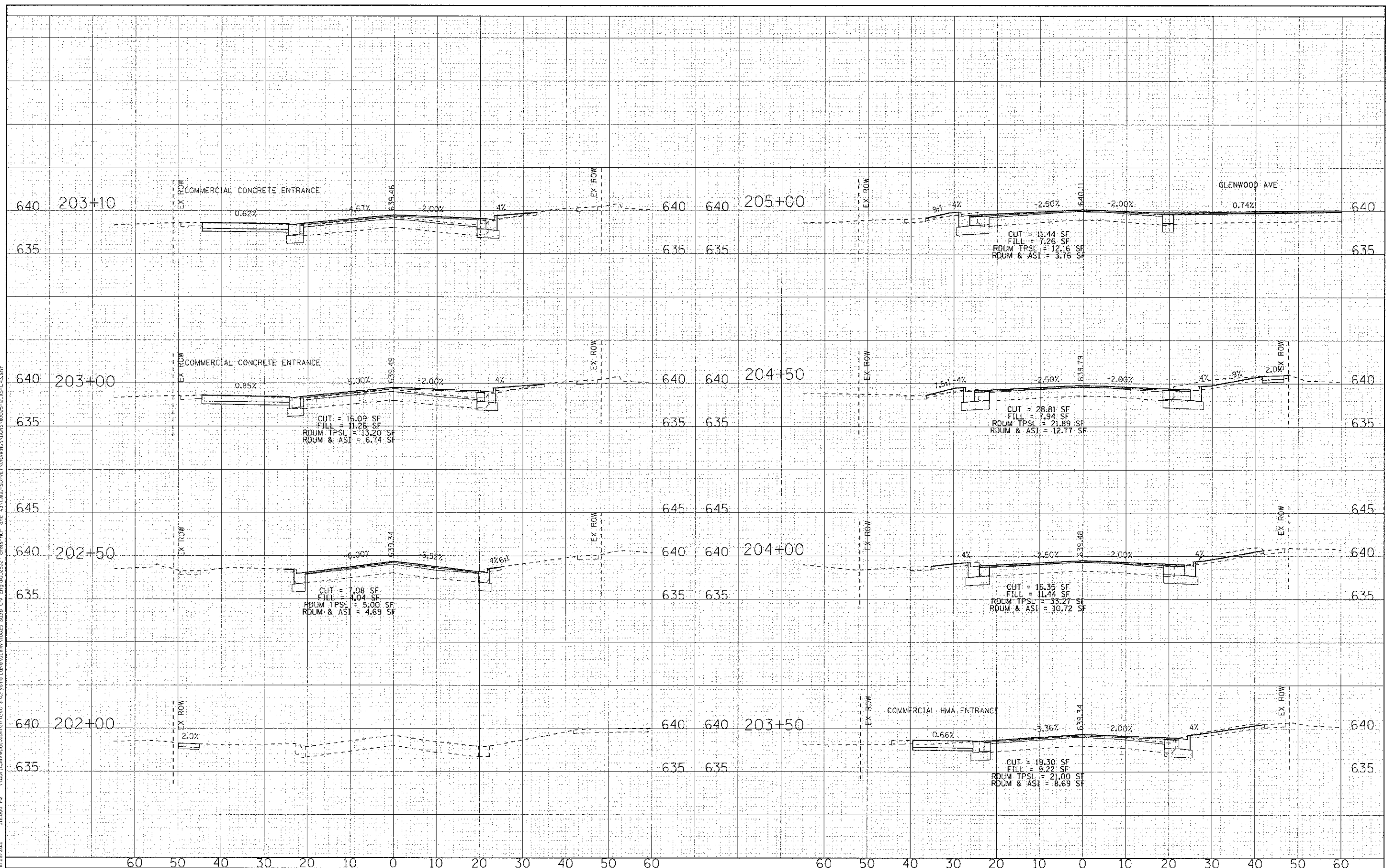
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

DRIVEWAY ENTRANCE SIGNING			
SCALE: NONE	SHEET NO. 1 OF 1	SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0348	05-00160-00-CH	COOK	109	93
TC-26		CONTRACT NO. 63756		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT F-0348(39)				



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 PROJECT: ILLINOIS STATE ROAD 43, WAUKEGAN, ILLINOIS  
 DRAWING: CROSS SECTIONS  
 DATE: 8/23/12



DESIGNED - DSH	REVISED -
DRAWN - MAC	REVISED -
CHECKED - TLH	REVISED -
DATE 8/23/12	REVISED -

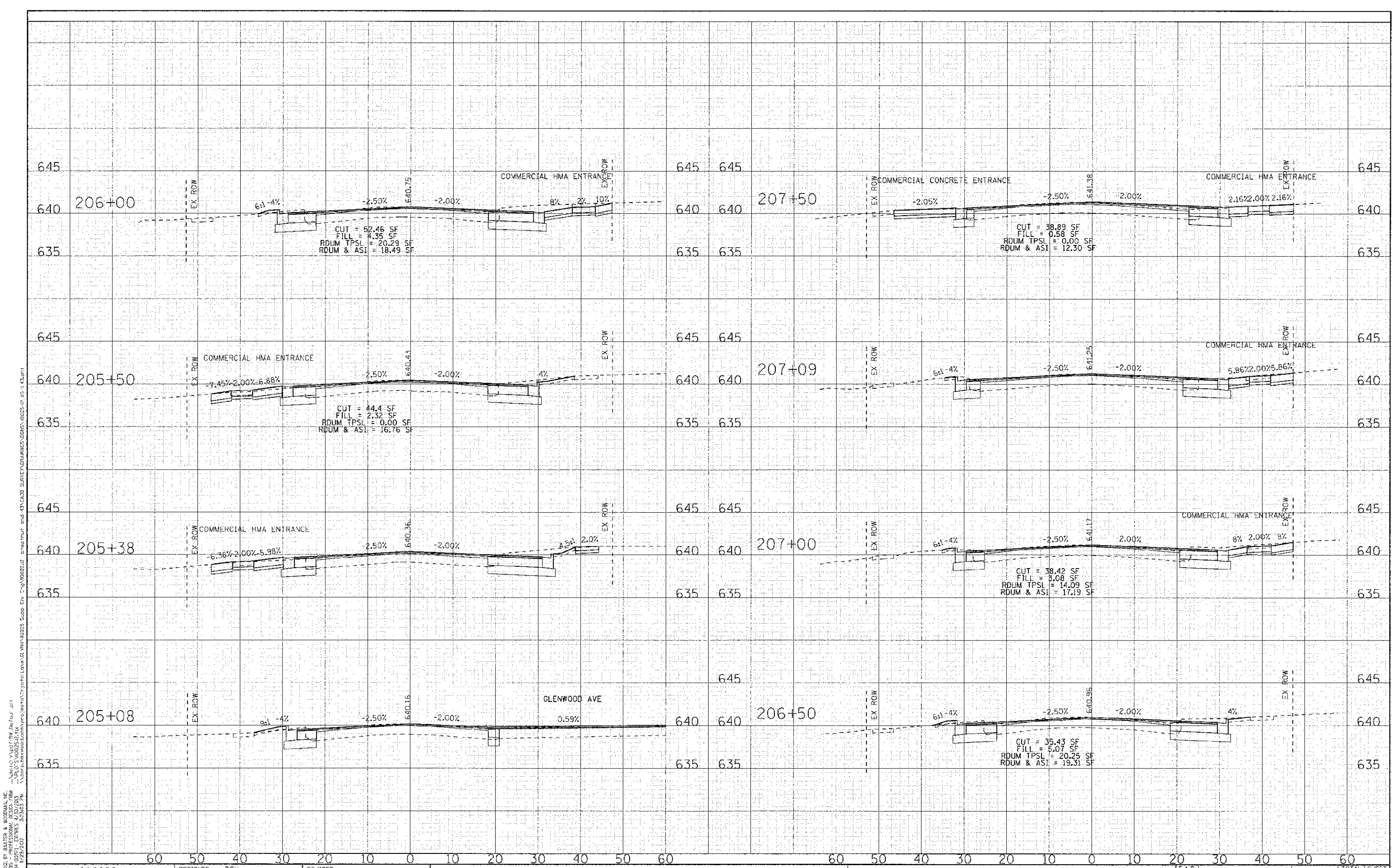
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
WAUKEGAN ROAD (IL 43)**

SCALE: H: 1"=10' V: 1"=5'      STA. 202+00 TO STA. 205+00

F.A.P. RITE: 0348	SECTION: 05-00160-00-CH	COUNTY: COOK	TOTAL SHEETS: 95
C-91-070-06		CONTRACT NO. 6375E	
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT F-0348(35)			





DESIGNED BY: BAKER & WOODMAN, INC.  
 STATE OF ILLINOIS PROFESSIONAL ENGINEERING LICENSE NO. 001251218  
 LICENSE EXPIRES 12/31/2013  
 1/23/2012



DESIGNED - DSH	REVISED -
DRAWN - MAC	REVISED -
CHECKED - TLH	REVISED -
DATE - 8/23/12	REVISED -

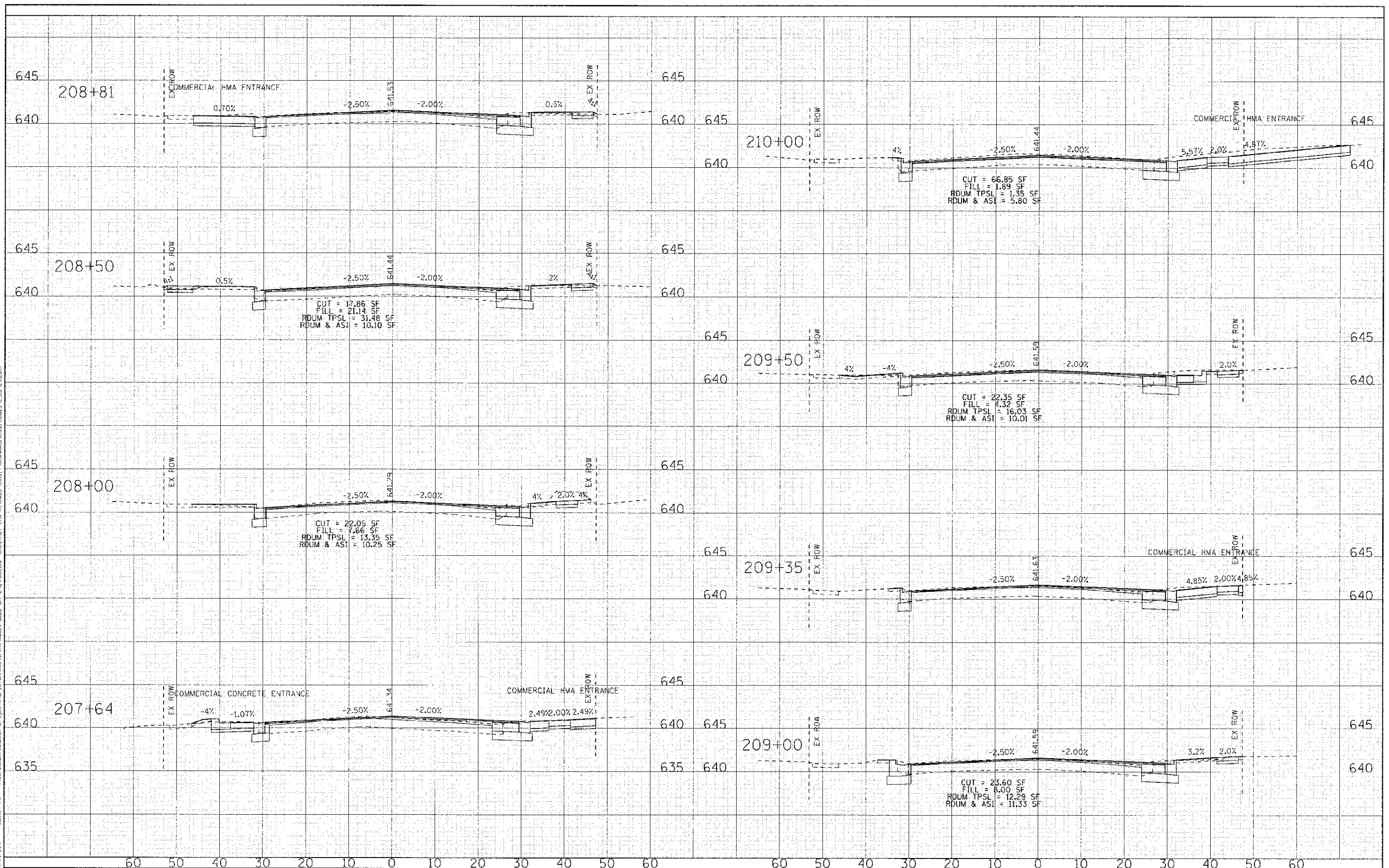
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**  
**WAUKEGAN ROAD (IL 43)**

SCALE: H: 1"=10' V: 1"=5'      STA. 205+08 TO STA. 207+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0348	05-00160-00-CH	COOK	109	96
C-91-070-06		CONTRACT NO. 63756		
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT F-0348(95)				

CONTRACT NO. 0348 BY BAXTER & WILSON, INC.  
 STATE OF ILLINOIS - PROFESSIONAL DESIGNER  
 LICENSE NO. 194-0001 - EXPIRES 6/30/2015  
 1/23/2012



DESIGNED - DSH	REVISED -
DRAWN - MAC	REVISED -
CHECKED - TLH	REVISED -
DATE - 8/23/12	REVISED -

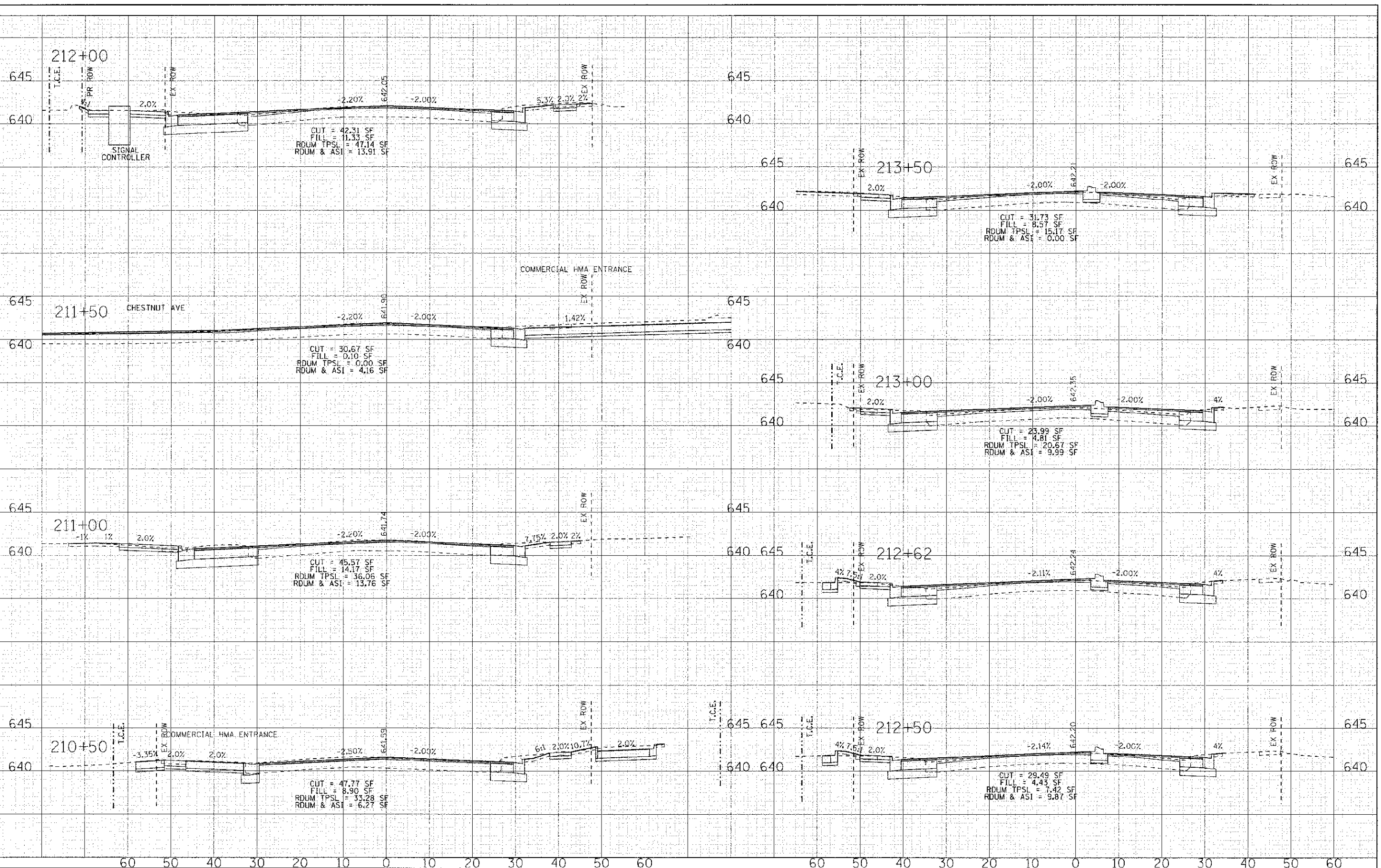
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**  
**WAUKEGAN ROAD (IL 43)**

SCALE: H: 1"=10' V: 1"=5'      STA. 207+64 TO STA. 210+00

F.A.P. RT.:	SECTION	COUNTY	TOTAL SHEETS:	SHEET NO.
0348	05-00160-00-CH	COOK	109	97
C-91-070-06		CONTRACT NO. 63756		
FED. ROAD DIST. NO. 1111N015 FED. AID PROJECT F-3348(35)				

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 PROJECT: ILLINOIS DEPARTMENT OF TRANSPORTATION  
 WAUKEGAN ROAD (IL 43) - STA. 210+50 TO 213+50  
 DRAWN: MAC  
 CHECKED: LH  
 DATE: 8/23/12  
 3/28/2012 12:30 PM



DESIGNED	- DSH	REVISED	-
DRAWN	- MAC	REVISED	-
CHECKED	- LH	REVISED	-
DATE	- 8/23/12	REVISED	-

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

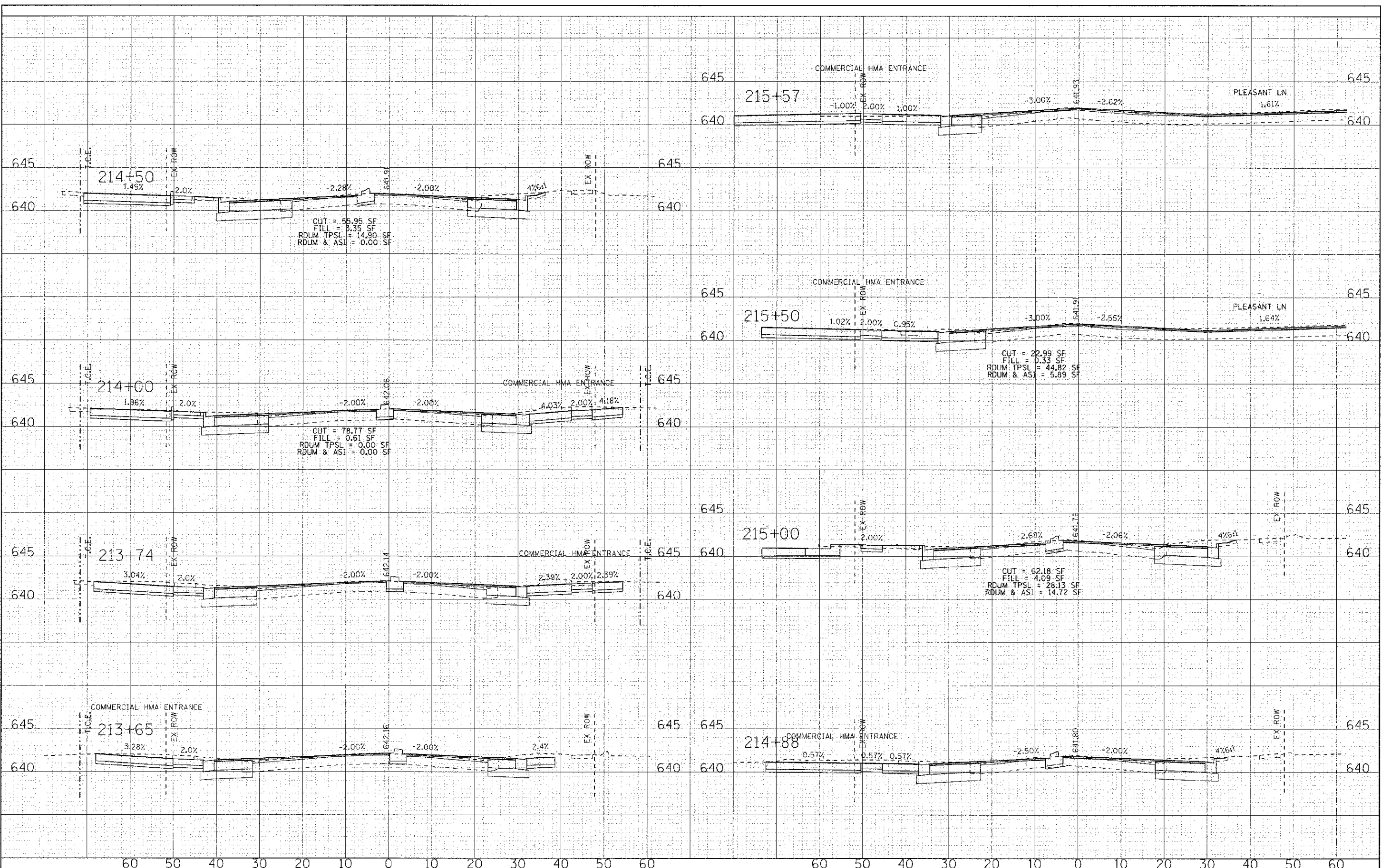
**CROSS SECTIONS  
WAUKEGAN ROAD (IL 43)**

SCALE: H: 1"=10' V: 1"=5'      STA. 210+50 TO STA. 213+50

F.A.P. RTCL	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0348	05-00:60-00-CH	COCK	109	98
C-91-070-06		CONTRACT NO. 63756		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT F-0348(36)		



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 STATE OF ILLINOIS - PROFESSIONAL ENGINEER  
 LICENSE NO. 0348  
 PROJECT NO. 05-00160-00-CH  
 SHEET NO. 98  
 CONTRACT NO. 63756  
 DATE 8/23/12



DESIGNED - DSH	REVISED -
DRAWN - MAC	REVISED -
CHECKED - TLH	REVISED -
DATE 8/23/12	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

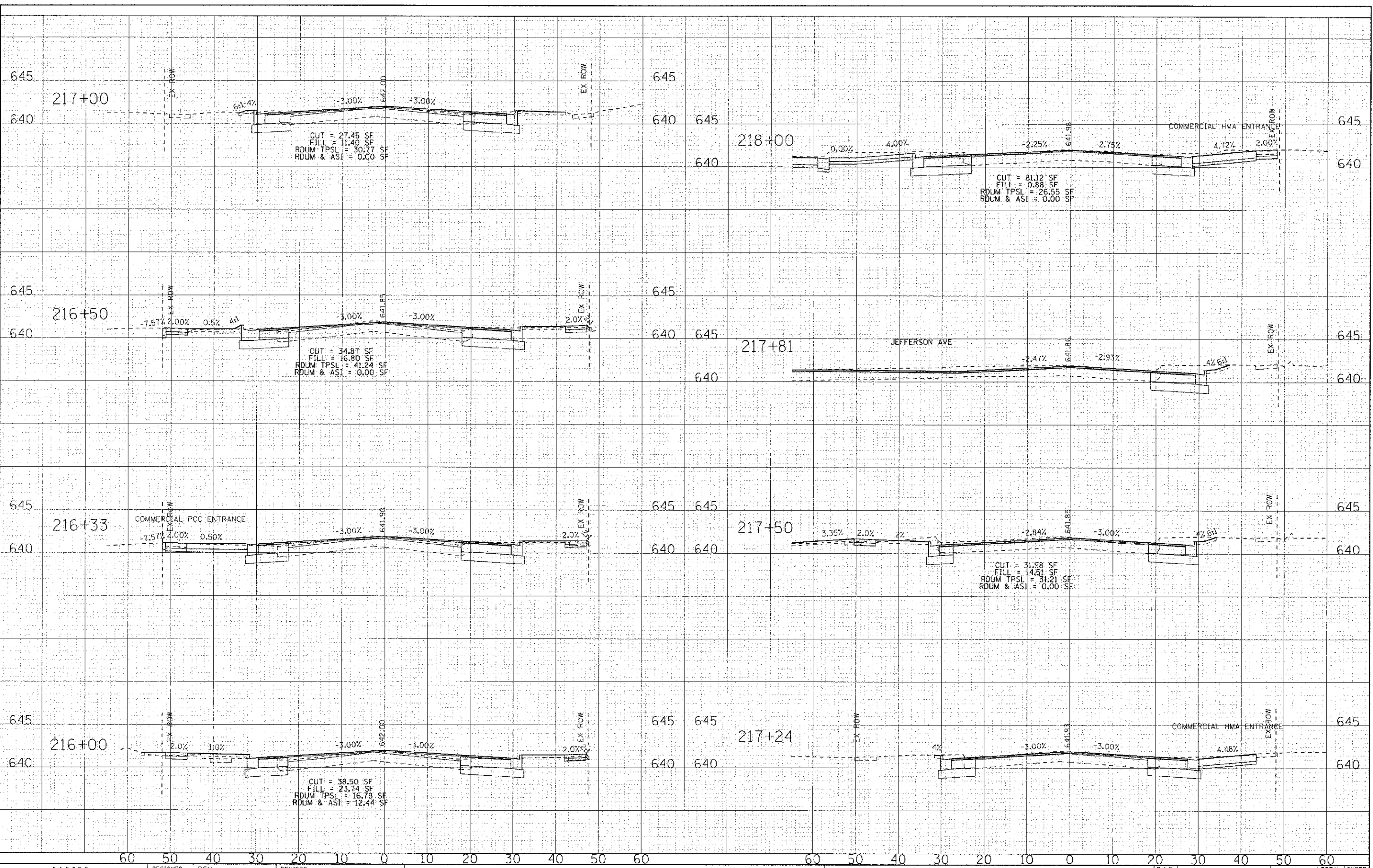
**CROSS SECTIONS**  
**WAUKEGAN ROAD (IL 43)**

SCALE: H: 1"=10' V: 1"=5'

STA. 213+65 TO STA. 215+57

F.A.P. RTE. 0348	SECTION 05-00160-00-CH	COUNTY COOK	TOTAL SHEETS 109	SHEET NO. 98
C-91-070-05		CONTRACT NO. 63756		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT F-0348(36)				

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 TEL: (773) 581-1111 FAX: (773) 581-1112  
 WWW.BAXTERANDWIDMANN.COM  
 PROJECT: WAUKEGAN ROAD (IL 43) - STATION 216+00 TO 218+00  
 SHEET: CROSS SECTIONS (109 OF 100)  
 DATE: 8/23/12



DESIGNED - DSH	REVISED -
DRAWN - MAC	REVISED -
CHECKED - TLH	REVISED -
DATE 8/23/12	REVISED -

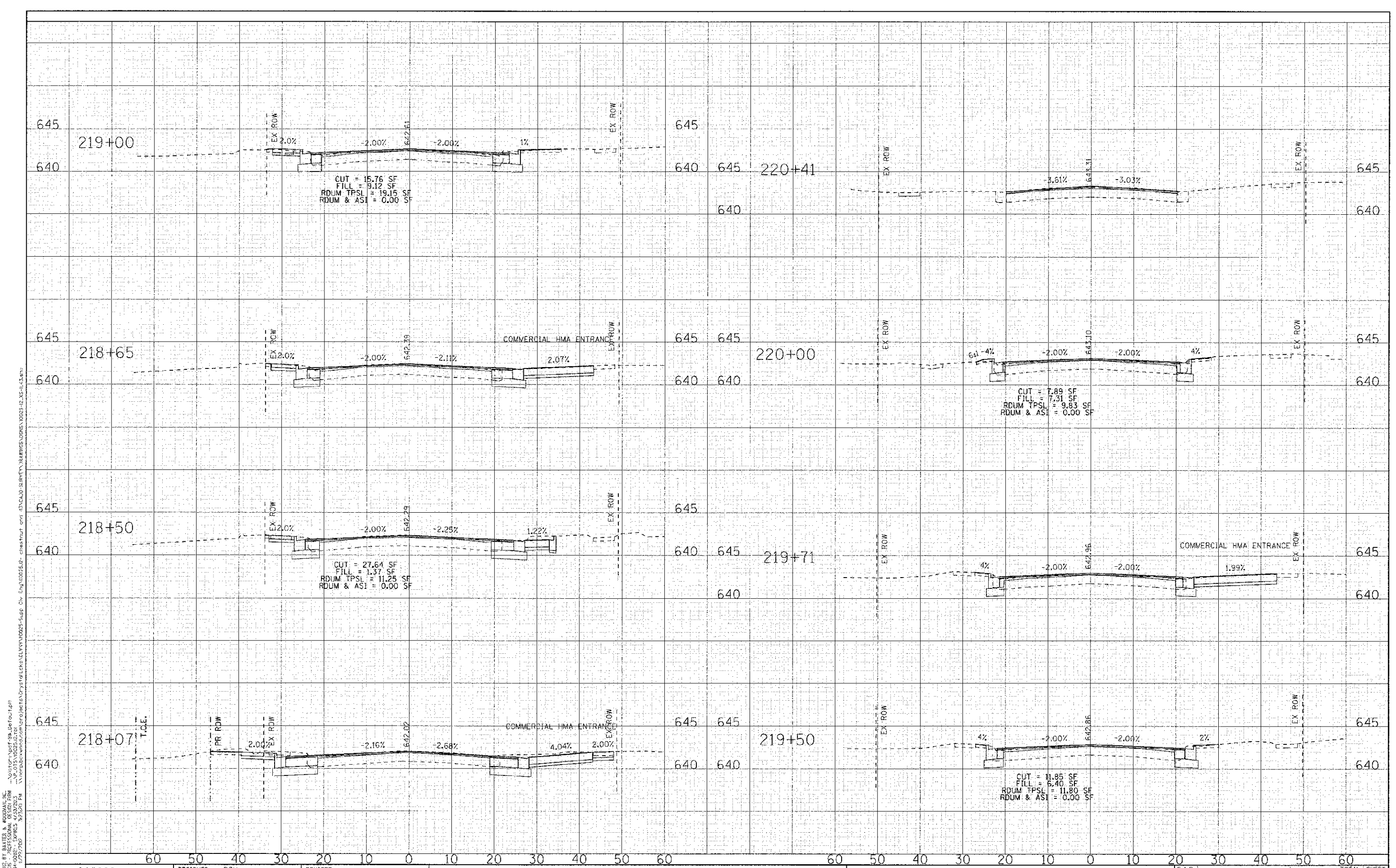
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
WAUKEGAN ROAD (IL 43)**

SCALE: H: 1"=10' V: 1"=5'

STA. 216+00 TO STA. 218+00

F.A.P. R.E. 0348	SECTION 05-00160-00-CH	COUNTY COOK	TOTAL SHEETS 109	SHEET NO. 100
C-91-070-06		CONTRACT NO. 63756		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT F-0348K351				



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 STATE OF ILLINOIS - PROFESSIONAL ENGINEER FIRM  
 LICENSE NO. - BR-0016 - EXPRES 3/2/2014  
 PROJECT: Waukegan Road (IL 43) - Stationing 218+00 to 220+41  
 DRAWING: CROSS SECTIONS  
 DATE: 8/23/12



DESIGNED	DSH	REVISED	-
DRAWN	MAC	REVISED	-
CHECKED	TLH	REVISED	-
DATE	8/23/12	REVISED	-

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

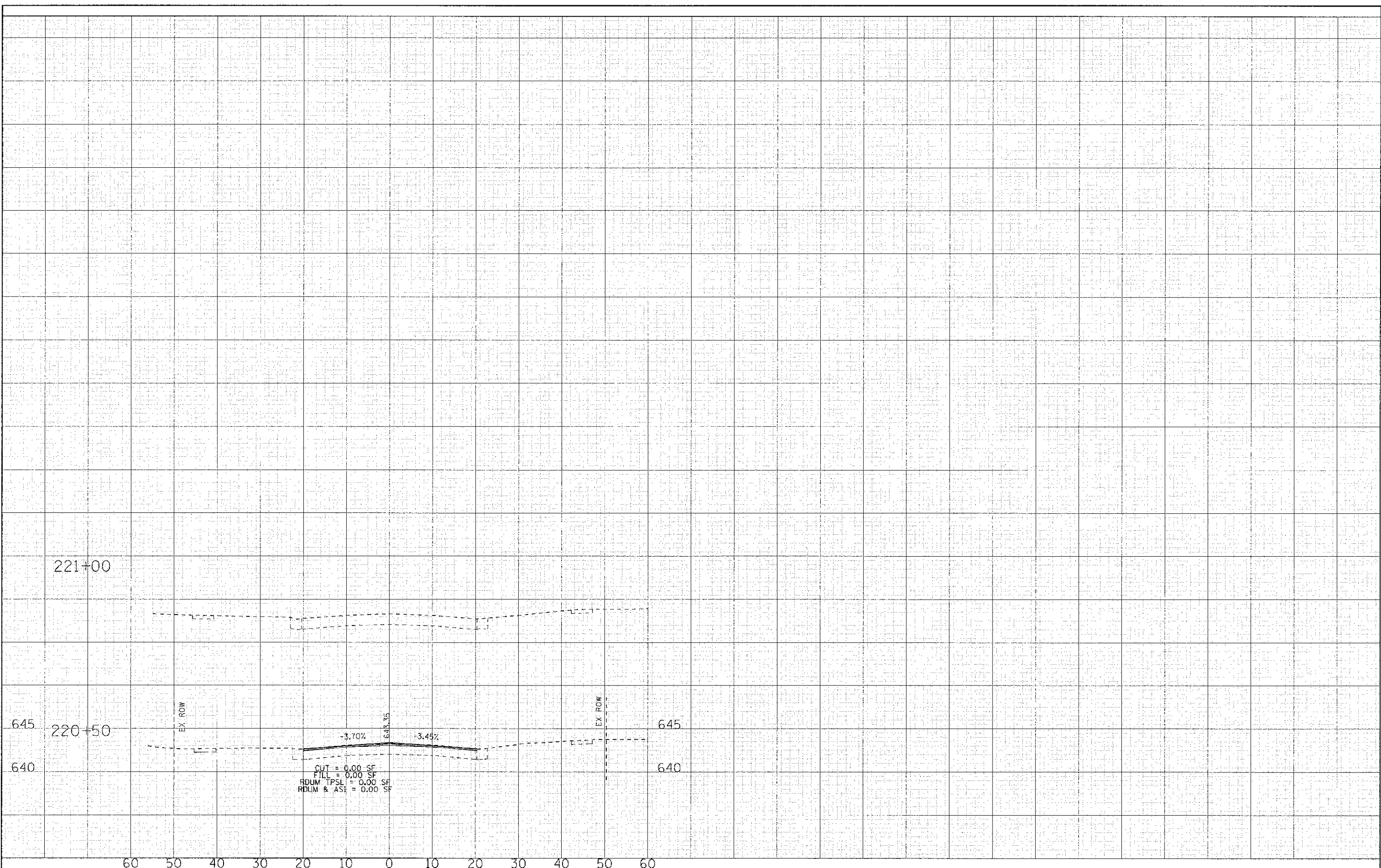
**CROSS SECTIONS  
WAUKEGAN ROAD (IL 43)**

SCALE: H: 1"=10' V: 1"=5'

S.T.A. 218+07 TO S.T.A. 220+41

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0348	05-00160-00-CH	CCOK	109	101
C-91-070-06		CONTRACT NO. 63756		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT F-0348(35)				

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 STATE OF ILLINOIS - PROFESSIONAL ENGINEER - 0316  
 DRAWING NO. 381-0316-1000-02-01  
 PROJECT NO. 0316-1000-02-01  
 SHEET NO. 109 OF 102  
 DATE 8/23/12



DESIGNED - DSH	REVISED -
DRAWN - MAC	REVISED -
CHECKED - TLH	REVISED -
DATE - 8/23/12	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

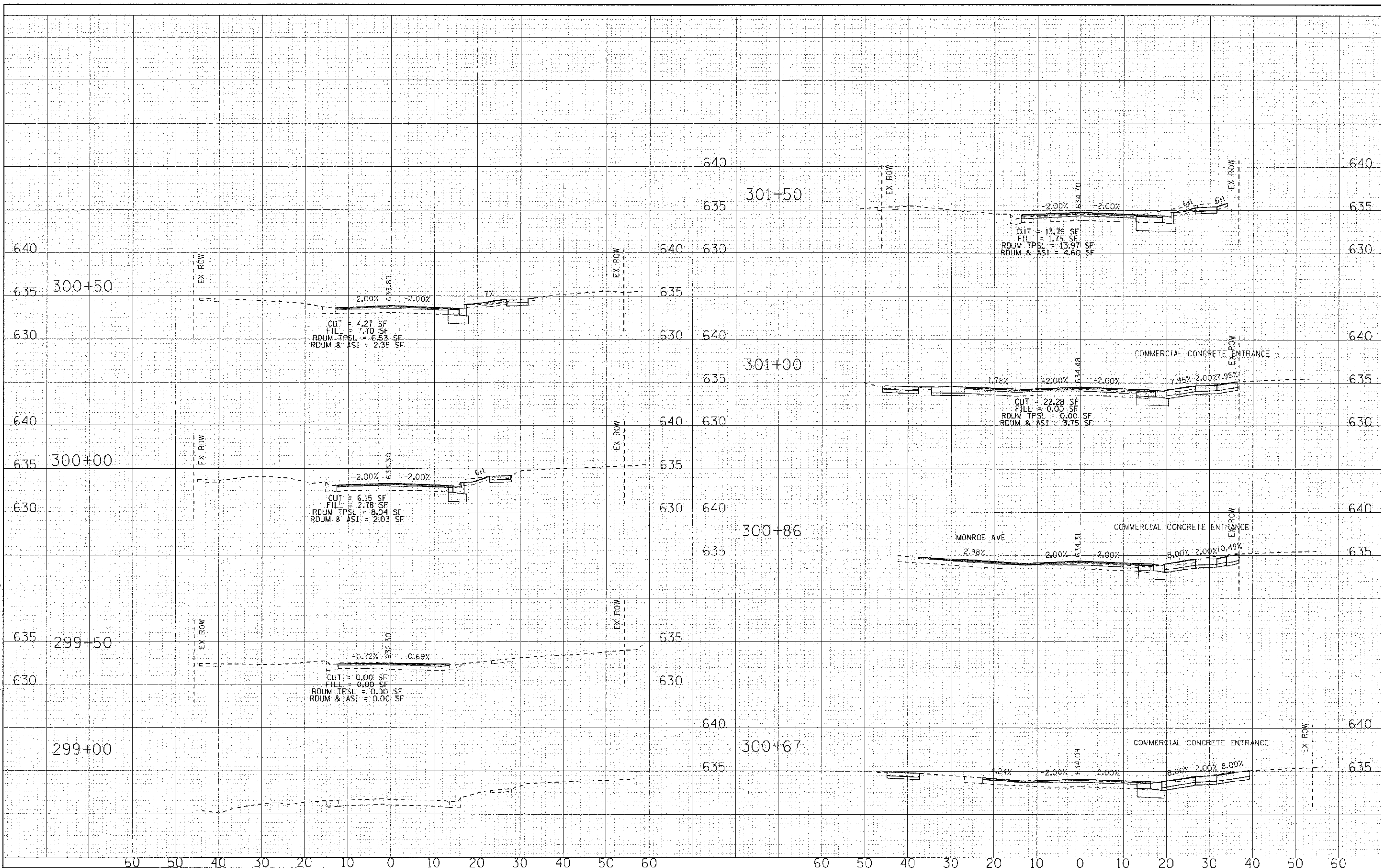
**CROSS SECTIONS**  
**WAUKEGAN ROAD (IL 43)**

SCALE: H: 1"=10' V: 1"=5'  
 STA. 220+50 TO STA. 221+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0348	05-00160-00-CH	COOK	109	102
C-91-070-06		CONTRACT NO. 63756		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT F-0348(35)		



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 4/23/2012



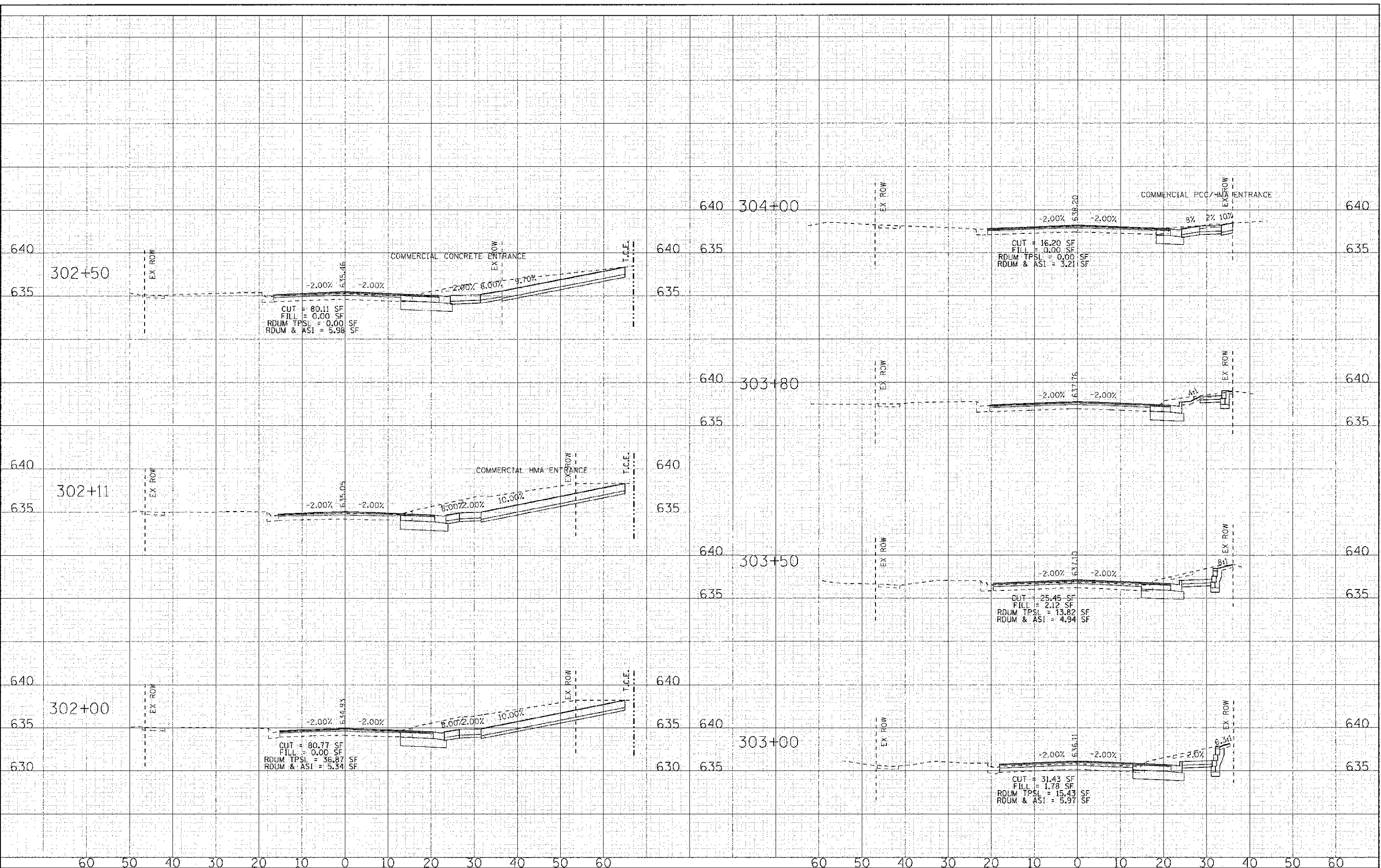
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DRAWN - MAC	REVISED -
CHECKED - TLH	REVISED -
DATE - 8/23/12	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 CHESTNUT AVENUE**  
 SCALE: H: 1"=10' V: 1"=5'  
 STA. 299+00 TO STA. 301+50

F.A.P. RTE. 0348	SECTION 05-00160-00-CH	COUNTY COOK	TOTAL SHEETS 109	SHEET NO. 103
C 91-070-06		CONTRACT NO. 63756		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT F-0548(95)		

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 3/29/2012



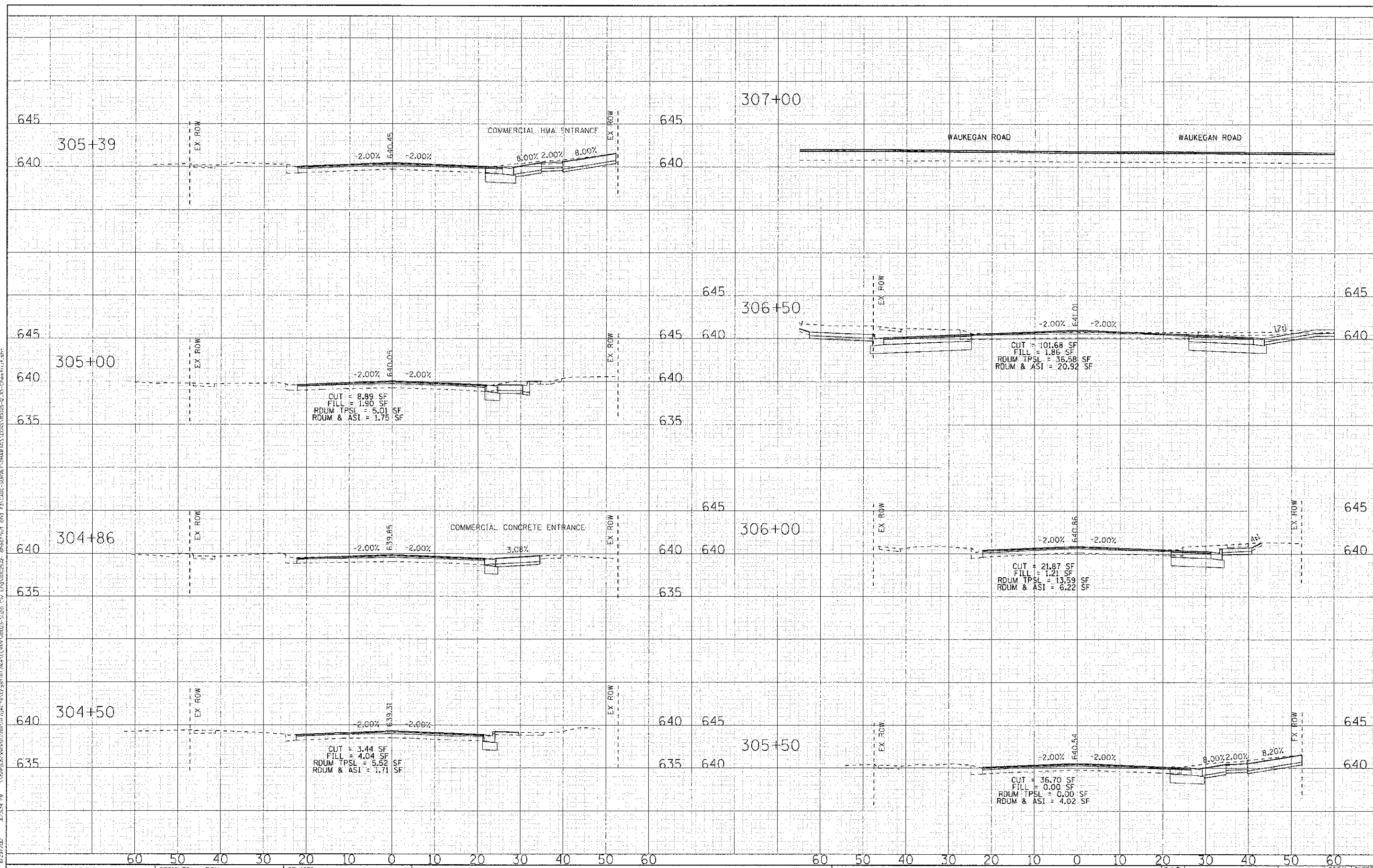
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DRAWN	MAC	REVISED	-
CHECKED	TLH	REVISED	-
DATE	8/23/12	REVISED	-

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**  
**CHESTNUT AVENUE**  
 SCALE: H: 1"=10' V: 1"=5'  
 STA. 302+00 TO STA. 304+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0348	05-00160-00-CH	COOK	109	104
	C-91-070-06			CONTRACT NO. 63756
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	F-0348(35)		

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 LICENSE NO. 0348-0000-0000-0000  
 8/23/2012



DESIGNED - DSJH	REVISED -
DRAWN - MAC	REVISED -
CHECKED - T.L.H.	REVISED -
DATE - 8/23/12	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

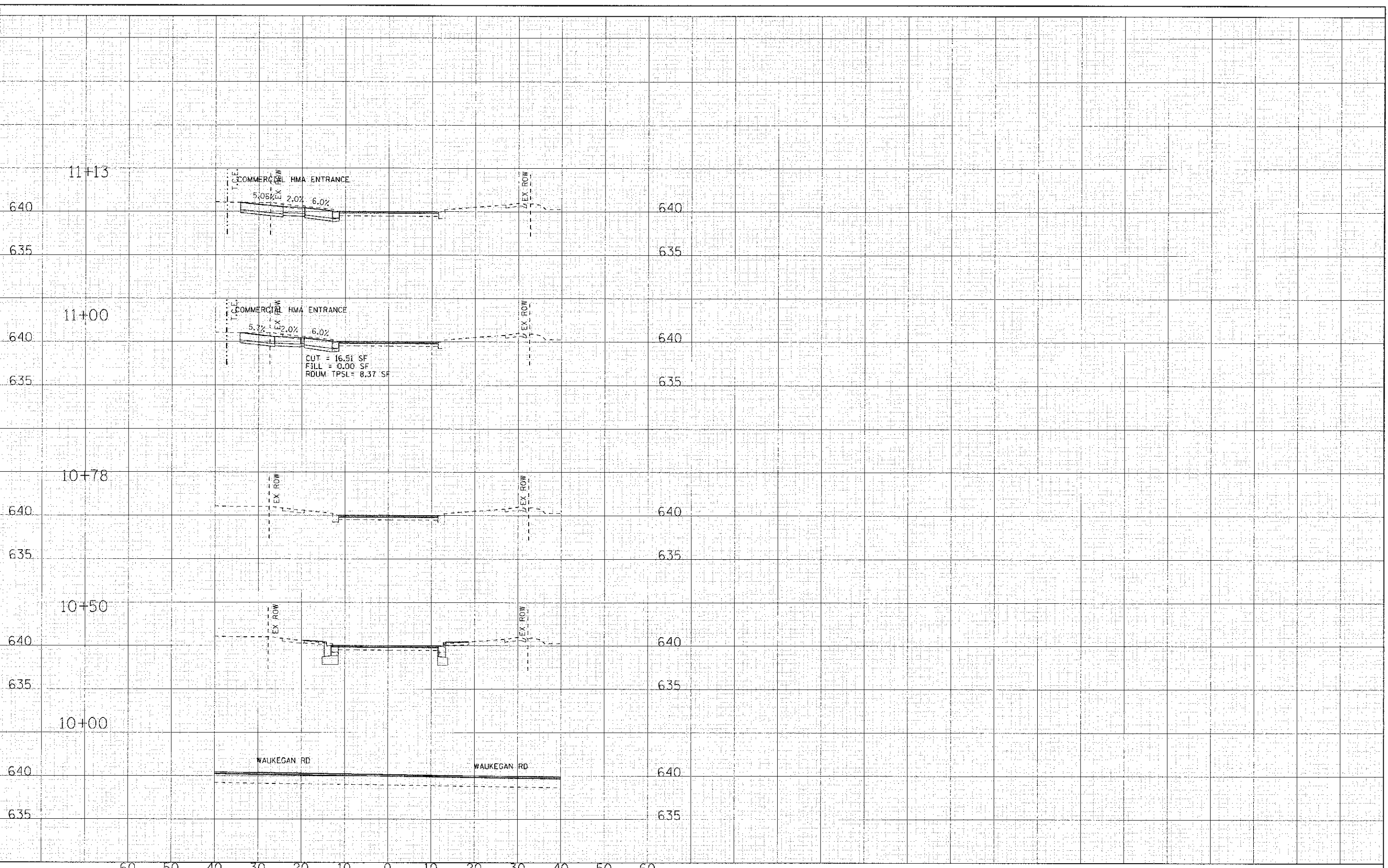
**CROSS SECTIONS  
CHESTNUT AVENUE**

SCALE: Ht 1"=10' Vt 1"=5'

STA. 304+50 TO STA. 307+00

F.A.P. RTE. 0348	SECTION 05-00160-00-CH	COUNTY COOK	TOTAL SHEETS 109	SHEET NO. 105
C-91-070-06		CONTRACT NO. 63756		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT F-0348(15)		

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 LICENSE NO. 001028 - EXPIRES 12/31/2012  
 1/29/2012 12:13 PM 1/29/2012 12:13 PM



DESIGNED - DSH	REVISED -
DRAWN - MAC	REVISED -
CHECKED - TLH	REVISED -
DATE - 8/23/12	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

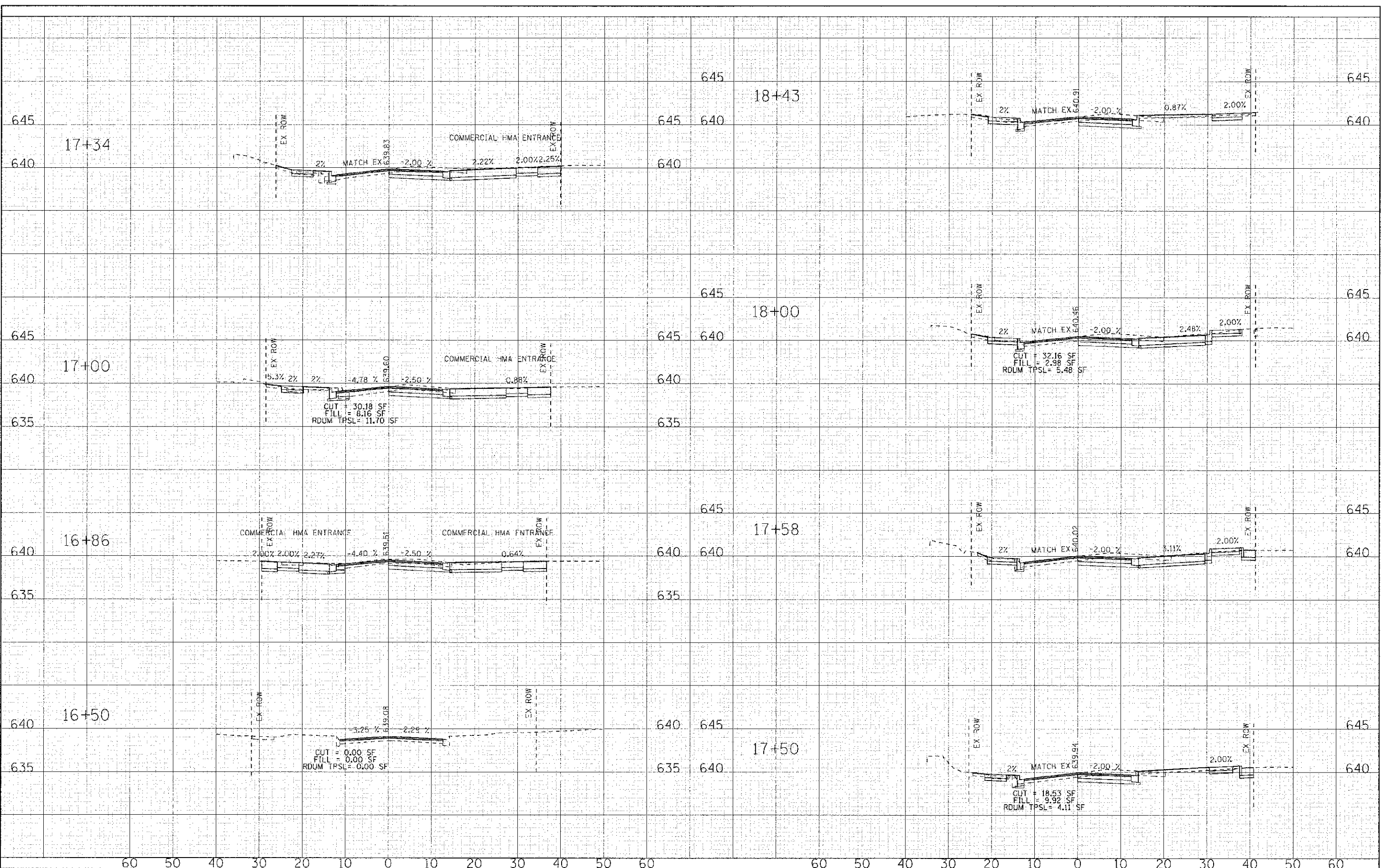
**CROSS SECTIONS**  
**GLENWOOD AVENUE**

SCALE: H: 1"=10' V: 1"=5'  
 STA. 10+00 TO STA. 11+13

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0348	05-00160-CO-CH	COOK	109	106
C-91-070-06		CONTRACT NO. 63756		
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT F-0348(35)				



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 WOODMAN, INC. 101 N. WILSON ST. SUITE 100, CHICAGO, IL 60610  
 PROJECT NO. 0348-01-06-00-CH  
 SHEET NO. 109 OF 107  
 DATE: 8/24/12



DESIGNED - DSH	REVISED -
DRAWN - TLH	REVISED -
CHECKED - DSH	REVISED -
DATE - 8/24/12	REVISED -

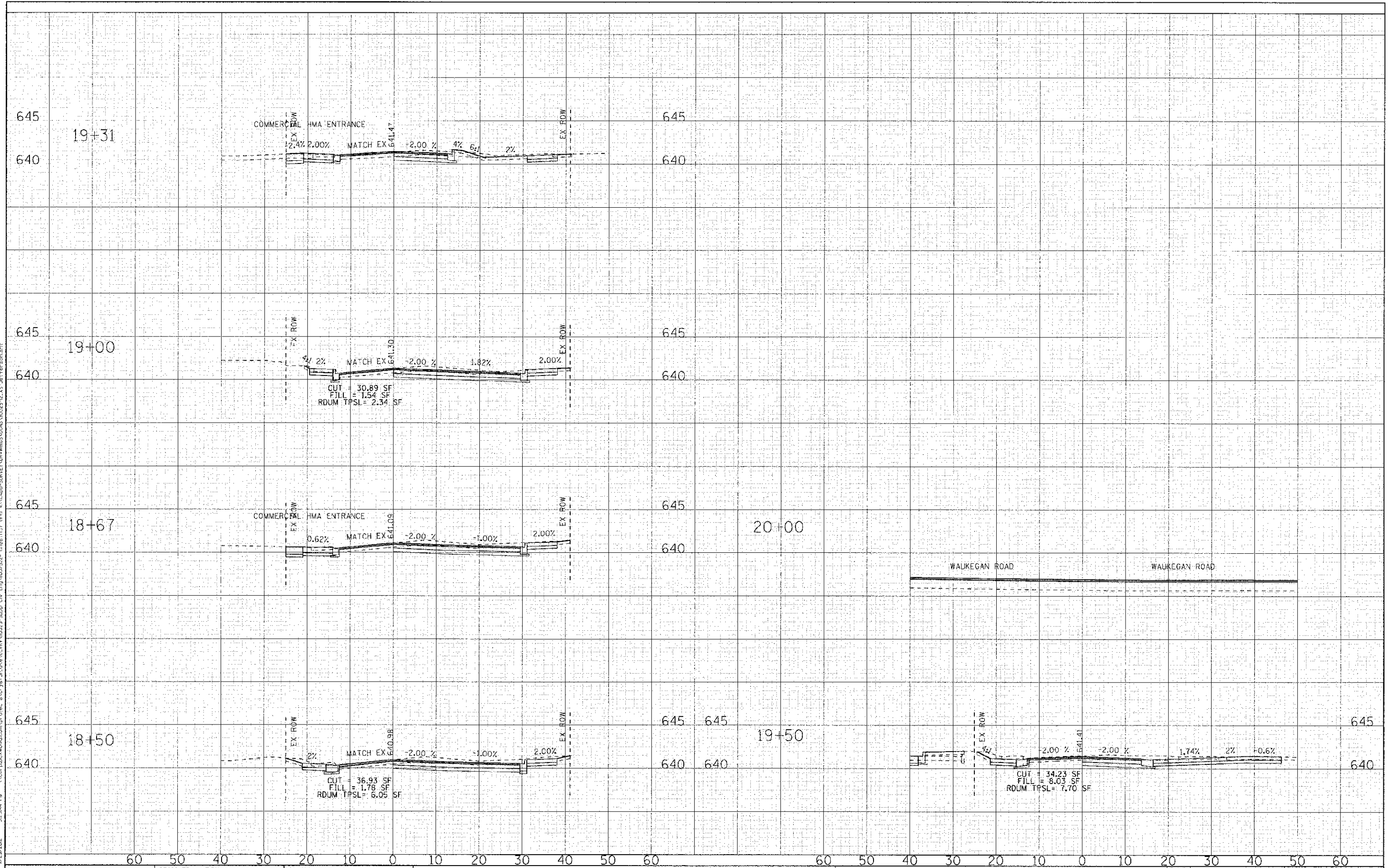
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
JEFFERSON AVENUE**

SCALE: H: 1"=10' V: 1"=5' STA. 16+50 TO STA. 18+43

F.A.P. RTE. 0348	SECTION C-91-070-06	COUNTY COOK	TOTAL SHEETS 109	SHEET NO. 107
FED. ROAD DIST. NO. ILLINOIS		CONTRACT NO. 63756		

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DESIGNED - DSH	REVISED -
DRAWN - TLH	REVISED -
CHECKED - DSH	REVISED -
DATE - 8/24/12	REVISED -

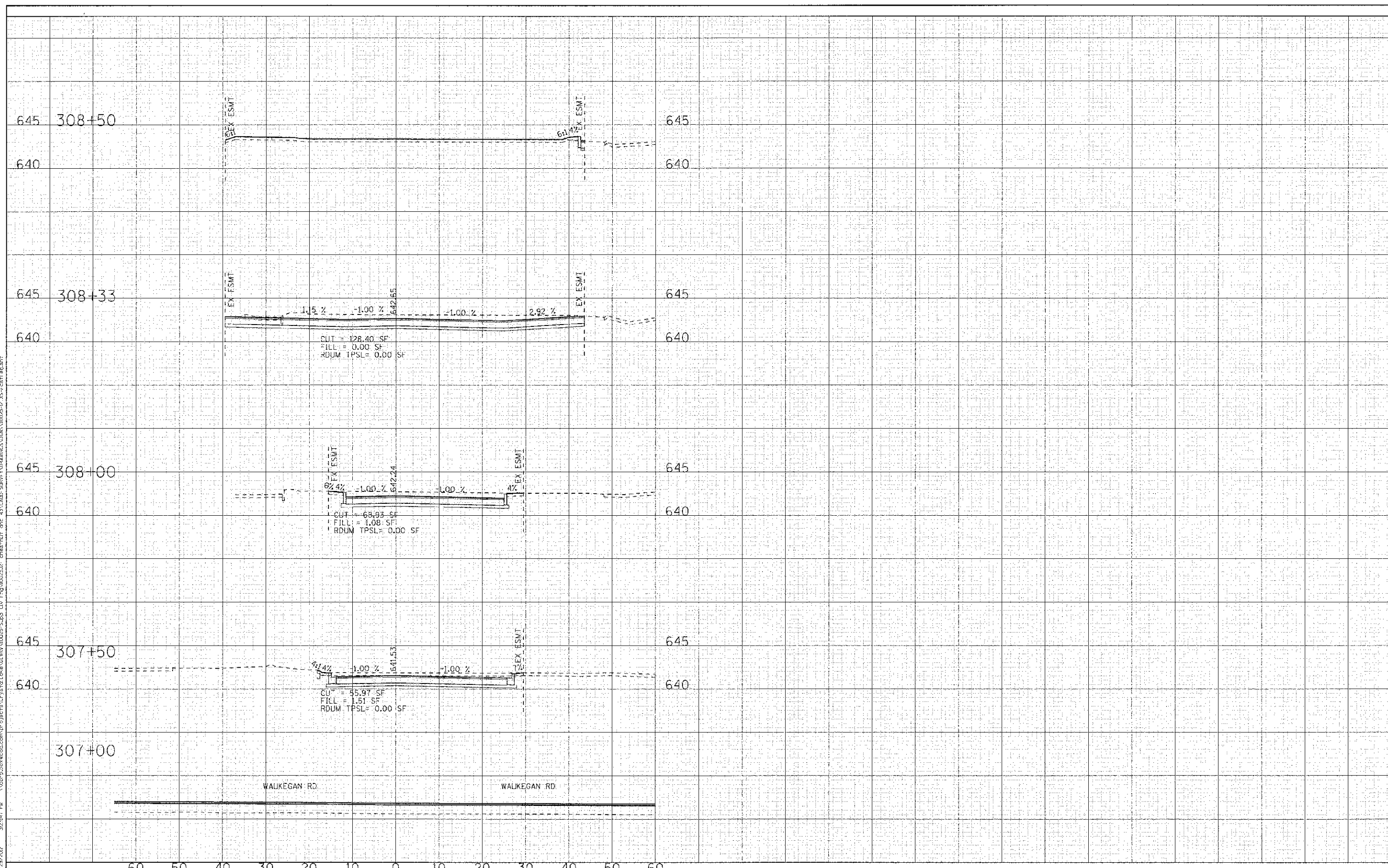
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
JEFFERSON AVENUE**

SCALE: H: 1"=10' V: 1"=5' STA. 18+50 TO STA. 20+00

F.A.P. RTE. 0348	SECTION 05-00160 00-CH	COUNTY COOK	TOTAL SHEETS 109	SHEET NO. 108
C-91-070-05		CONTRACT NO. 63756		
FED. ROAD DIST. NO. 1-LLD015 FED. AID PROJECT F 0348351				

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 PLOT BY: J. MACDONALD  
 PLOT SCALE: 1"=10' V: 1"=5'  
 PLOT SHEET: 109 OF 109  
 PLOT TITLE: CROSS SECTIONS EAST LEG  
 PLOT PATH: C:\PROJECTS\2012\BAXTER & WIDOMAN, INC.\L1035 - 05-00160-00-CH\DWG\1035-05-00160-00-CH-001.dwg



307+00

307+50

308+00

308+33

308+50

60 50 40 30 20 10 0 10 20 30 40 50 60



DESIGNED - DSH	REVISED -
DRAWN - MAC	REVISED -
CHECKED - TLH	REVISED -
DATE - 8/23/12	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**CROSS SECTIONS  
EAST LEG**

SCALE: H: 1"=10' V: 1"=5' STA. 307+00 TO STA. 308+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0348	05-00160-00-CH	COCK	109	109
C-91-070-06		CONTRACT NO. 63756		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT F-0348(35)		