

1-20-2012 LETTING ITEM 125

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
FAU 2836 ORCHARD DRIVE**
FAU 1632 SAUK TRAIL TO FAP 353 US ROUTE 30
SECTION 06-00090-00-FP
PROJECT: M-8003(661)
RESURFACING, RECONSTRUCTION
VILLAGE OF PARK FOREST
COOK COUNTY
JOB NO. C-91-430-06

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2836	06-00090-00-FP	COOK	200	1
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT M-8003(661)	

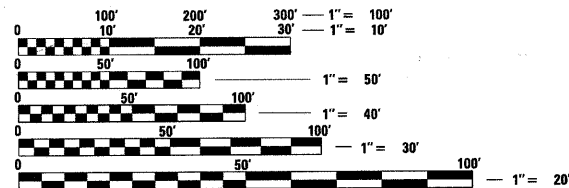
CONTRACT NO.: 63635

TRAFFIC DATA

ORCHARD DRIVE

- POSTED SPEED =** SAUK TRAIL TO LAKEWOOD BLVD AND ILLINOIS STREET TO US ROUTE 30 - 30 MPH
LAKEWOOD BLVD TO ILLINOIS ST - 35 MPH
- DESIGN SPEED =** SAUK TRAIL TO LAKEWOOD BLVD AND ILLINOIS ST TO US ROUTE 30 - 35 MPH
LAKEWOOD BLVD TO ILLINOIS ST - 40 MPH
- EXISTING ADT =** SAUK TRAIL TO LAKEWOOD BLVD 4500(2009)
LAKEWOOD BLVD TO US ROUTE 30 7000(2009)
- PROPOSED ADT =** SAUK TRAIL TO LAKEWOOD BLVD 6000(2030)
LAKEWOOD BLVD TO US ROUTE 30 9000(2030)

URBAN COLLECTOR



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

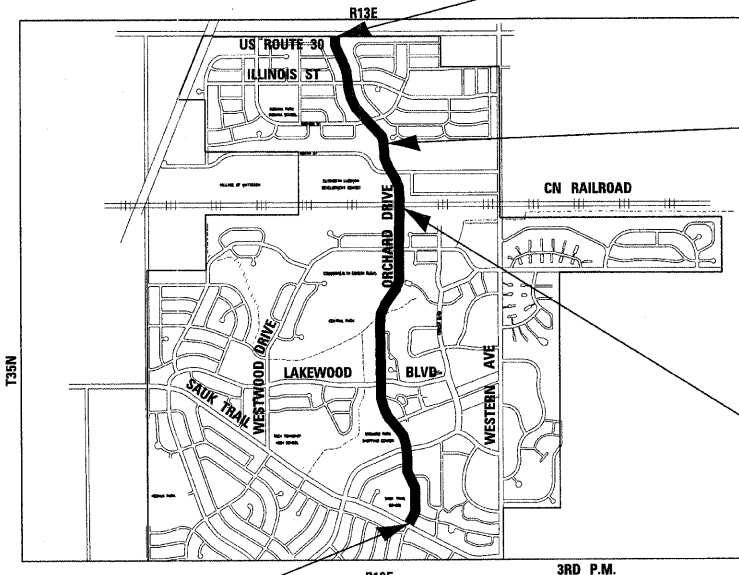
J.U.L.I.E. DESIGN STAGE REQUEST
DIG. No. X3540523



CONTACT JULIE AT 811 OR 800-892-0123 WITH THE FOLLOWING:
COUNTY = COOK
CITY-TWNSHP. = RICH
SEC. & 1/4 SEC. NO. = 24, 25, 36
48 HOURS (2 working days) BEFORE YOU DIG

CONTRACT NO. (63635)

**ORCHARD DRIVE (FAU 2836)
BEGIN IMPROVEMENTS
STA 100 + 35**



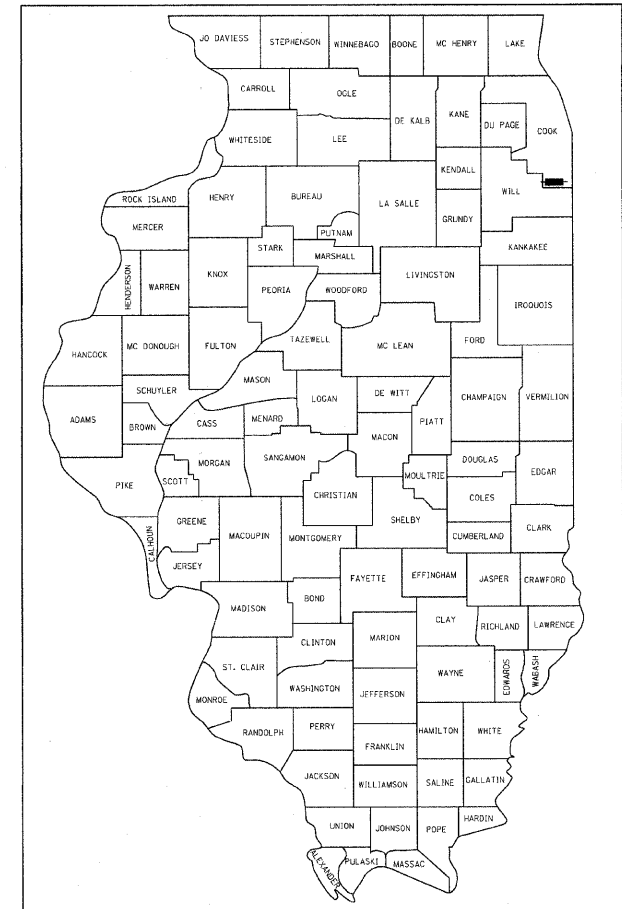
LOCATION MAP
(NOT TO SCALE)

RICH TOWNSHIP
GROSS & NET LENGTH OF IMPROVEMENT = 11.725 LF OR 2.221 MILES

**ORCHARD DRIVE (FAU 2836)
END IMPROVEMENTS
STA 217 + 60**

**OLD PLANK ROAD
TRAIL UNDERPASS
STA 188 + 61**

**CNRR UNDERPASS
STA 173 + 04**



LOCATION OF SECTION INDICATED THIS: [Symbol]

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

APPROVED 10/18/2011
Kimberly A. Egan
VILLAGE OF PARK FOREST, DIRECTOR OF PUBLIC WORKS

PASSED NOVEMBER 1, 2011
Charles F. Riddle
DISTRICT ENGINEER OF LOCAL ROADS AND STREETS

RELEASING FOR BID BASED ON LIMITED REVIEW NOVEMBER 2, 2011
Diane M. O'Keefe
DEPUTY DIRECTOR OF HIGHWAYS, REGION 1 ENGINEER

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OF THE STATE OF ILLINOIS**

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Jason J. Fluhr
"LICENSE EXPIRES 11-30-11"
(TRAFFIC SIGNAL PLANS)

Tara A. Orson
PROJECT MANAGER
"LICENSE EXPIRES 11-30-2011"



BAXTER & WOODMAN, INC.
STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
LICENSE NO. - 184-001121 - EXPIRES 4/30/2013

BAXTER & WOODMAN, INC. 10/27/2011
 STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
 LICENSE NO. - 184-001121 - EXPIRES 4/30/2013
 PROGRAM AND OFFICE ENGINEER: CHARLES F. RIDDLE, P.E. SCHRAMBURG, IL (847)705-4406

HIGHWAY STANDARDS

000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-06	TEMPORARY EROSION CONTROL SYSTEMS
420001-07	PAVEMENT JOINTS
420111-03	PCC PAVEMENT ROUNDOUTS
420101-04	24' (7.2m) JOINTED PCC PAVEMENT
424001-06	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424006	DIAGONAL CURB RAMPS FOR SIDEWALKS
424011	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
424016	MID-BLOCK CURB RAMPS FOR SIDEWALKS
424021	DEPRESSED CORNER FOR SIDEWALKS
424026	ENTRANCE/ALLEY PEDESTRIAN CROSSINGS
424031	MEDIAN PEDESTRIAN CROSSINGS
442101-07	CLASS B PATCHES
442201-03	CLASS C AND D PATCHES
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
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
602416-03	MANHOLE TYPE A 8'(2.4m) DIAMETER
602421-03	MANHOLE TYPE A 9'(2.7m) 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 IIV
604091-02	FRAME AND GRATE TYPE 24
606001-04	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606301-04	PC CONCRETE ISLANDS & MEDIANS
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W MOVING OPERATIONS - DAY ONLY
701427	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS ≤ 40 MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701502-04	URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
701601-07	URBAN LANE CLOSURE, MULTILANE 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701602-05	URBAN LANE CLOSURE, MULTILANE 2W WITH BIDIRECTIONAL LEFT TURN LANE
701701-08	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-05	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-02	TRAFFIC CONTROL DEVICES
728001-01	TELESCOPING STEEL SIGN SUPPORT
731001-01	BASE FOR TELESCOPING STEEL SIGN SUPPORT
780001-03	TYPICAL PAVEMENT MARKINGS
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
877011-05	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
878001-09	CONCRETE FOUNDATION DETAILS
880006-01	TRAFFIC SIGNAL MOUNTING DETAILS

DISTRICT 1 DETAILS

BD-07	STORM SEWER CONNECTION OF EXISTING SEWER (BD-07)
BD-08	FRAMES AND LIDS ADJUSTMENT WITH MILLING; AND FRAME AND LIDS ADJUSTMENT WITHOUT MILLING
BD-22	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT
BD-24	CURB AND GUTTER REMOVAL AND REPLACEMENT
BD-32	BUTT JOINTS AND HMA TAPER DETAILS
BE-305	LIGHT POLE FOUNDATION, METAL
TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS
TC-11	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)
TC-13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
TC-16	PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING
TC-21	DETOUR SIGNING FOR CLOSING STATE HIGHWAYS
TC-22	ARTERIAL ROAD INFORMATION SIGN

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 STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
 NO. 067-0090-00-FP
 DATE: 10/31/11
 PROJECT: 060670-CADD-SURVEY-DRAWINGS-060670-INDEX-01



DESIGNED - DSH	REVISED -
DRAWN - MAC	REVISED -
CHECKED - TAO	REVISED -
DATE - 10/31/11	FILE - 060670-PH2-INDEX.sht

**STATE OF ILLINOIS
ORCHARD DRIVE IMPROVEMENTS**

INDEX OF SHEETS & HIGHWAY STANDARDS

SCALE: NONE

STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2836	06-0090-00-FP	COOK	200	2
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63635	
			M-80036611	

GENERAL NOTES

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 VILLAGE DOES NOT GUARANTEE THEIR ACCURACY. THE CONTRACTOR SHALL HAVE THE RESPECTIVE UTILITY COMPANIES FIELD LOCATE ALL THEIR FACILITIES PRIOR TO BEGINNING CONSTRUCTION. THE CONTRACTOR SHALL ALSO VERIFY THE DEPTHS OF THE EXISTING UTILITIES IF NECESSARY. ANY RELOCATION OR LOWERING OF UTILITIES SHALL BE COORDINATED BY THE CONTRACTOR.
3. 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. ANY UTILITY OR SPRINKLER SYSTEM THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE ENGINEER AND VILLAGE.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE OR DESTRUCTION OF PUBLIC OR PRIVATE UTILITIES, AND SHALL REPAIR ANY UTILITIES AT HIS OR HER OWN EXPENSE IN ACCORDANCE WITH ARTICLES 105.07 AND 107.31. COORDINATION OF ALL UTILITY WORK INVOLVED IN THE CONSTRUCTION AREA WILL BE DISCUSSED AT A PRECONSTRUCTION CONFERENCE. THE CONTRACTOR IS RESPONSIBLE FOR THE COORDINATION OF ANY UTILITY RELOCATIONS REQUIRED.
5. THE CONTRACTOR SHALL NOTIFY THE VILLAGE OF PARK FOREST (KEN EYER, PE - DIRECTOR OF PUBLIC WORKS/VILLAGE ENGINEER - 708-503-7702) AT LEAST 48 HOURS IN ADVANCE OF BEGINNING WORK TO OBTAIN VILLAGE UTILITY LOCATIONS AND SHALL COORDINATE ALL CONSTRUCTION OPERATIONS WITH THE ENGINEER.
6. THE CONTRACTOR SHALL KEEP ALL ROADS FREE FROM CONSTRUCTION DEBRIS AT ALL TIMES. CONSTRUCTION DEBRIS REMOVAL SHALL BE INCLUDED IN THE EARTH EXCAVATION PAY ITEM. THE CONTRACTOR SHALL UTILIZE A MECHANICAL SWEEPER TO CLEAN STREETS AFFECTED BY THE CONTRACTOR'S OPERATIONS, INCLUDING HAUL ROUTES, AT LEAST TWICE PER WEEK AND ADDITIONALLY AS DETERMINED BY THE ENGINEER. THIS WORK SHALL BE INCLUDED IN THE MOBILIZATION PAY ITEM.
7. 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.
8. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY RESIDENTS AND THE VILLAGE WHEN ACCESS TO THEIR DRIVEWAYS WILL BE TEMPORARILY CLOSED DUE TO CURB AND GUTTER AND/OR DRIVEWAY REPLACEMENT. THE CONTRACTOR SHALL DISTRIBUTE NOTICES PROVIDED BY THE VILLAGE TO RESIDENTS (CONTACT - KEN EYER, PE - DIRECTOR OF PUBLIC WORKS/VILLAGE ENGINEER - 708-503-7702). EVERY EFFORT SHALL BE MADE TO ACCOMMODATE ACCESS TO THESE PROPERTIES INCLUDING KNOCKING ON DOORS WHEN DRIVEWAYS ARE ABOUT TO BE CLOSED.
9. 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.
10. A PORTABLE BATHROOM(S) SHALL BE PLACED ON THE JOB SITE(S) AND RELOCATED WHEN NECESSARY SO IT IS ACCESSIBLE TO WORKERS. IF WORK IS OCCURRING AT SEVERAL LOCATIONS, ONE PORTABLE BATHROOM SHALL BE PLACED AT EACH LOCATION WITHIN A REASONABLE DISTANCE FROM THE WORK AS DETERMINED BY THE ENGINEER. THIS SHALL BE INCLUDED IN THE MOBILIZATION PAY ITEM.
11. ACCESS TO PRIVATE 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. THIS WORK WILL BE PAID FOR AS TEMPORARY ACCESS OF THE TYPE SPECIFIED.
12. DURING CONSTRUCTION OPERATIONS, THE CONTRACTOR SHALL ENSURE POSITIVE SITE DRAINAGE AT THE CONCLUSION OF EACH DAY. SITE DRAINAGE MAY BE ACHIEVED BY DITCHING, PUMPING OR ANY OTHER ACCEPTABLE METHOD. THE CONTRACTORS FAILURE TO PROVIDE THE ABOVE WILL PRECLUDE ANY POSSIBLE ADDED COMPENSATION REQUESTED DUE TO DELAYS OR THE CREATION OF UNSUITABLE MATERIALS. THIS WORK SHALL BE INCLUDED IN THE EARTH EXCAVATION PAY ITEM.
13. THE CONTRACTOR SHALL MAINTAIN A LEGIBLE RECORD ON A SET OF CONSTRUCTION PLANS SO THAT ALL DRAINAGE SYSTEMS ETC. CAN BE LOCATED IN THE FIELD IN A MANNER ACCEPTABLE TO THE VILLAGE OF PARK FOREST. FINAL CONTRACT PAYMENT SHALL NOT COME DUE UNTIL THIS INFORMATION IS RECEIVED BY THE ENGINEER.
14. STORAGE OF CONSTRUCTION MATERIALS AND EQUIPMENT SHALL BE APPROVED BY THE ENGINEER. STORAGE OF CONSTRUCTION MATERIALS AND EQUIPMENT IS NOT PERMITTED IN ILLINOIS DEPARTMENT OF TRANSPORTATION RIGHT-OF-WAY.
15. THE CONTRACTOR SHALL NOTIFY IDOT BUREAU OF MATERIALS (PHONE 847-705-4337) AT LEAST 24 HOURS PRIOR TO THE PLACEMENT OF HOT-MIX ASPHALT OR PORTLAND CEMENT CONCRETE.
16. ANY SIGNS OR MAILBOXES THAT ARE IN CONFLICT WITH THE PROPOSED CONSTRUCTION SHALL BE REMOVED AND RE-ERECTED IN ACCORDANCE WITH ARTICLES 107.25 AND 107.20. SIGNS WHICH ARE NOT TO BE RE-ERECTED IMMEDIATELY SHALL BE STORED IN A SECURE, OFF-SITE LOCATION, AS APPROVED BY THE ENGINEER. MAIL SERVICE SHALL BE MAINTAINED AT ALL TIMES.
17. 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.
18. IN AREAS WHERE THE EXISTING DRIVEWAY, SIDEWALK, OR CURB AND GUTTER IS TO BE REMOVED AND REPLACED, THE REMOVAL AND DISPOSAL OF ANY ADDITIONAL MATERIAL REQUIRED TO ESTABLISH THE PROPOSED DRIVEWAY, SIDEWALK, OR CURB AND GUTTER SUBGRADE ELEVATION SHALL BE INCLUDED IN THE APPLICABLE REMOVAL PAY ITEM.
19. 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.
20. THE FINISHED HOT-MIX ASPHALT SURFACE SHALL BE CONSTRUCTED 0.25-INCH ABOVE THE GUTTER FLAG.
21. THE CONTRACTOR SHALL PROVIDE AND INSTALL TWO (2) WEIGHTED SANDBAGS ON EACH TYPE I OR TYPE II BARRICADE USED. ONE (1) WEIGHTED SANDBAG SHALL BE PLACED ACROSS EACH BOTTOM RAIL.
22. THE CONTRACTOR WILL BE REQUIRED TO USE A STEEL PLATE OR PLATES TO CLOSE ANY GAPS OCCURRING WHEN A FRAME IS OFFSET FROM THE STRUCTURE. THE STEEL PLATE SHALL BE 5/8" THICK AND APPROXIMATELY 6-INCH WIDE BY 24-INCH LONG. SOME ADJUSTMENT IN SIZE MAY BE NECESSARY TO PREVENT THE STEEL PLATE FROM OVERHANGING THE OUTSIDE OF THE STRUCTURE WALL. THE STEEL PLATE SHALL BE BEDDED IN AND COVERED WITH MORTAR. THIS WORK SHALL BE INCLUDED IN THE COST OF STRUCTURE ADJUSTMENTS OR STRUCTURE RECONSTRUCTION.
23. ALL POSTS, RAILROAD TIES, AND DECORATIVE TIMBER IN CONFLICT WITH THE PROPOSED IMPROVEMENTS SHALL BE REMOVED AND RELOCATED AS DETERMINED BY THE ENGINEER AT THE TIME OF CONSTRUCTION AND SHALL BE INCLUDED IN THE EARTH EXCAVATION PAY ITEM. EVERY EFFORT SHALL BE MADE BY THE CONTRACTOR WHEN REMOVING THESE ITEMS TO PRESERVE THEM FROM HARM. ITEMS NOT RELOCATED OR SALVAGED BY EITHER THE PROPERTY OWNER OR VILLAGE SHALL BE SALVAGED OR PROPERLY DISPOSED OF BY THE CONTRACTOR.
24. IN ALL TRENCHES CROSSING DRIVEWAYS, SIDEWALKS, AND ALL PROPOSED AND EXISTING ROADWAYS, THE MATERIAL FOR THE TOP 12 INCHES SHALL BE CA-6 CRUSHED GRAVEL OR CRUSHED STONE AND BE INCLUDED IN THE PAY ITEM FOR TRENCH BACKFILL. THE BACKFILL SHALL EXTEND TO AND BE MEASURED FOR PAYMENT TO THE EXISTING GROUND OR SURFACE ELEVATION.
25. SIGNS AND SUPPORTS THAT ARE REPLACED WITH NEW ITEMS SHALL BE DELIVERED TO THE VILLAGE PUBLIC WORKS FACILITY AT 350 VICTORY DRIVE. THIS WORK SHALL BE INCLUDED IN THE COST OF THE "REMOVE SIGN PANEL ASSEMBLY" PAY ITEMS. SIGNS, SUPPORTS AND FOUNDATIONS TO BE TEMPORARILY REMOVED AND RELOCATED SHALL BE DELIVERED TO A SECURE OFF-SITE LOCATION, AS APPROVED BY THE ENGINEER. THIS WORK SHALL BE INCLUDED IN THE COST OF "RELOCATE SIGN PANEL ASSEMBLY" PAY ITEMS.
26. TEMPORARY EROSION CONTROL MEASURES SHALL BE INSTALLED AS REQUIRED. WHERE PARKWAYS ARE DISTURBED, TEMPORARY EROSION CONTROL MEASURES SHALL BE ESTABLISHED WITHIN 14 DAYS OF THE COMPLETION OF DISTURBANCE AND MAINTAINED TO THE SATISFACTION OF THE ENGINEER. THIS WORK, INCLUDING MAINTENANCE, SHALL BE INCLUDED IN THE PERMANENT STABILIZATION PAY ITEMS UNLESS OTHERWISE NOTED.
27. NEW OR REPLACEMENT CLOSED LIDS SHALL BE STAMPED TO INDICATE THE STRUCTURE TYPE. STORM LIDS SHALL BE STAMPED WITH "STORM", SANITARY LIDS SHALL BE STAMPED WITH "SANITARY" AND WATER VALVE VAULT LIDS SHALL BE STAMPED WITH "WATER". STAMPING SHALL BE INCLUDED IN THE COST OF THE NEW LID. ALL NEW TYPE 1 OPEN LIDS SHALL BE BICYCLE SAFE.
28. PRIOR TO CONSTRUCTION OF ANY PROPOSED UTILITIES OR SIGN POSTS, 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 INCLUDED IN THE COST OF THE PROPOSED UTILITY CONSTRUCTION OR SIGN POST PAY ITEM OR (PAID FOR AS EXPLORATION TRENCH, SPECIAL).
29. CONNECTION OF PROPOSED STORM SEWER INTO EXISTING STORM SEWER OR EXISTING STORM SEWER STRUCTURES SHALL BE INCLUDED IN THE COST OF STORM SEWERS.
30. 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.
31. 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.
32. 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.
33. 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.
34. ALL CRACKS AND JOINTS SHALL BE CLEANED PRIOR TO FILLING THEM. THIS WORK SHALL BE INCLUDED IN THE ITEM "MIXTURE FOR CRACKS, JOINTS AND FLANGEWAYS."
35. THE PRIME COAT APPLICATION RATE SHALL BE 0.1 GAL/SY. THE MC-30 PRIME COAT APPLICATION RATE SHALL BE 0.3 GAL/SY. THE AGGREGATE PRIME COAT APPLICATION RATE SHALL BE 4 LB/SY.
36. ANY DAMAGE TO PAVEMENT, SIDEWALK, CURB OR ANY OTHER PORTION OF THE ROADWAY NOT SPECIFICALLY TO BE REMOVED AND REPLACED SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT NO ADDITIONAL CHARGE.
37. THE CONTRACTOR WILL ONLY BE ALLOWED TO REMOVE AND REPLACE CURB AND GUTTER ON ONE SIDE OF THE ROAD AT A TIME TO MINIMIZE CONGESTION. REPLACEMENT SHALL BE COMPLETE ON ONE SIDE OF THE ROAD BEFORE THE CONTRACTOR IS ALLOWED TO BEGIN REMOVING CURB AND GUTTER ON THE OTHER SIDE OF THE ROAD.
38. CURB AND GUTTER AND DRIVEWAYS PROVIDING ACCESS SHALL BE REMOVED AND REPLACED WITHIN 3 DAYS.
39. FOR STEEL BARS CERTIFICATION, PLEASE CONTACT IDOT BUREAU OF MATERIALS AT (847) 705-4337.
40. SIGN SUPPORT HARDWARE SHALL BE TELES PAR 3" OMNI-DIRECTIONAL ANCHORS, 10' 2" SQUARE POSTS AND DRIVE RIVETS AS MANUFACTURED BY TELES PAR, CONTACT DALE EVANS - GRIFFIN SUPPLY - 800-759-0879, OR APPROVED EQUAL. WHEN ATTACHING SIGNS TO TELESCOPING STEEL SIGN SUPPORTS, SIGN SUPPORT HARDWARE SHALL BE INCLUDED IN THE SIGN PANEL - TYPE I AND TELESCOPING STEEL SIGN SUPPORT PAY ITEMS.
41. THE DETAIL FOR COMBINATION CONCRETE CURB AND GUTTER SHOWN IN THE PLANS SHALL BE MODIFIED TO INCLUDE THE FOLLOWING. THE WORK SHALL INCLUDE SAW-CUTTING AND REMOVING THE EXISTING PAVEMENT A MINIMUM OF 6-INCHES MEASURED FROM THE EXISTING EDGE OF PAVEMENT, AND FILLING THE 6" GAP WITH CLASS S1 CONCRETE TO AN ELEVATION 2-1/4" BELOW THE PROPOSED CURB AND GUTTER FLAG. IF THE CONCRETE IS PLACED HIGHER THAN 2-1/4" FROM THE GUTTER FLAG FOR STREETS TO BE RESURFACED, THE CONTRACTOR WILL BE REQUIRED TO GRIND ADDITIONAL CONCRETE TO THE REQUIRED 2-1/4" DEPTH.
42. ON STREETS TO BE FULL WIDTH MILLED (2" OR MORE), THE EXISTING STRUCTURES IN THE PAVEMENT SHALL BE ADJUSTED IN ACCORDANCE WITH THE IDOT DETAIL "DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING". THIS WORK SHALL BE IN ADDITION TO THE REQUIREMENTS FOR MANHOLES TO BE ADJUSTED AND SHALL BE PAID FOR ONCE AT THE CONTRACT UNIT PRICE FOR MANHOLES TO BE ADJUSTED.
43. THE DAYS PAVING OPERATION SHOULD RESULT IN A SINGLE TRANSVERSE JOINT. ANY COLD LONGITUDINAL JOINTS WILL NOT BE ACCEPTED. PROVIDING A SINGLE TRANSVERSE JOINT SHALL BE ACCOMPLISHED BY PAVING ONE LANE OF SUFFICIENT LENGTH THAT WILL ALLOW FOR THE PAVING OF THE ADJACENT LANE IN THE SAME DAY.
44. PORTLAND CEMENT CONCRETE SIDEWALK SHALL BE THICKENED TO 6-INCHES AT LOCATIONS WHERE THE SIDEWALK CROSSES DRIVEWAYS. TRANSVERSE EXPANSION JOINTS 3/4" SHALL BE PLACED EVERY 50 FEET OR AS DETERMINED BY THE ENGINEER. TRANSVERSE CONTRACTION JOINTS SHALL BE PLACED EVERY 5-FEET.
45. A 1/2-INCH 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.
46. DETECTABLE WARNINGS SHALL BE CONSTRUCTED WITH THE INSTALLATION OF A CAST-IN-PLACE "ARMOR-TILE" 24"x48" NOMINAL PANEL WIDTH AS MANUFACTURED BY "ENGINEERED PLASTICS INC." (800) 682-2525 OF WILLIAMSVILLE, NY OR AN APPROVED EQUAL. THE PANEL SHALL BE A POLYMER COMPOSITE AND 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 SELECTED BY THE VILLAGE. INSTALLATION SHALL OCCUR IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS.
47. MATERIALS RESULTING FROM THE REMOVAL OF PAVEMENT, DRIVEWAYS, CURB AND GUTTER, HOT-MIX ASPHALT SURFACES, ETC. SHALL BE REMOVED AT THE END OF EACH DAY TO AN APPROVED SITE. IN THE JUDGEMENT OF THE VILLAGE, SHOULD IT BE NECESSARY TO REMOVE SUCH MATERIALS, THE VILLAGE WILL HAVE THE MATERIAL REMOVED AND THE CONTRACTOR WILL BE BILLED (CHARGED) ACCORDINGLY.
48. ALL AGGREGATE USED ON PROJECT SHALL BE CRUSHED MATERIALS.
49. ANY DAMAGE DONE TO WATER MAIN, (VILLAGE OWNED OR OWNED BY OTHERS) WATER SERVICES, SANITARY SEWER, OR SANITARY SEWER SERVICES NOT CONSIDERED IN CONFLICT WITH THE PROPOSED CONSTRUCTION SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE.
50. ANY ANTI-STRIPPING ADDITIVE REQUIRED SHALL BE INCLUDED IN THE COST OF THE SURFACE COURSE.
51. THE CONTRACTOR SHALL REPLACE ALL DESTINATION GUIDE SIGNS AND MEMORIAL OR DEDICATION SIGNS REMOVED DURING CONSTRUCTION AS NEAR AS POSSIBLE TO THEIR ORIGINAL LOCATION OR AS DETERMINED BY THE ENGINEER. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
52. ALL SAWCUTTING SHALL BE INCLUDED IN THE COST OF THE ITEM BEING REMOVED.

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**STATE OF ILLINOIS
ORCHARD DRIVE IMPROVEMENTS**

GENERAL NOTES

SCALE:	STA.	TO STA.	F.A.U. RTE. 2836	SECTION 06-00090-00-FP	COUNTY COOK	TOTAL SHEETS 200	SHEET NO. 3
			FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT M-8003661	CONTRACT NO. 63635	

SUMMARY OF QUANTITIES				STU Funding 70% Federal, 30% Local		
				CONSTRUCTION TYPE CODE		
				0004	0021	0040
CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY	TRAFFIC SIGNALS & LIGHTING	BRIDGE & RETAINING WALL
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	465	465	-	-
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	655	655	-	-
20101000	TEMPORARY FENCE	FOOT	250	-	-	250
20101100	TREE TRUNK PROTECTION	EACH	219	219	-	-
* 20101200	TREE ROOT PRUNING	EACH	219	219	-	-
20200100	EARTH EXCAVATION	CU YD	8,860	8,860	-	-
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	5,535	5,535	-	-
20800150	TRENCH BACKFILL	CU YD	3,649	3,649	-	-
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	7,852	7,852	-	-
* 21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	45,257	45,257	-	-
* 25000210	SEEDING, CLASS 2A	ACRE	7.00	7.00	-	-
* 25000310	SEEDING, CLASS 4	ACRE	0.25	0.25	-	-
* 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	755	755	-	-
* 25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	755	755	-	-
* 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	755	755	-	-
* 25100115	MULCH, METHOD 2	ACRE	8	8	-	-
* 25100635	HEAVY DUTY EROSION CONTROL BLANKET	SQ YD	32	32	-	-
* 25200110	SODDING, SALT TOLERANT	SQ YD	14,412	14,412	-	-
* 25200200	SUPPLEMENTAL WATERING	UNIT	227	227	-	-
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	938	938	-	-
28000305	TEMPORARY DITCH CHECKS	FOOT	60	60	-	-
28000400	PERIMETER EROSION BARRIER	FOOT	4,100	4,100	-	-
28000500	INLET AND PIPE PROTECTION	EACH	8	8	-	-
28000510	INLET FILTERS	EACH	133	133	-	-
28100107	STONE RIPRAP, CLASS A4	SQ YD	20	20	-	-
28200200	FILTER FABRIC	SQ YD	20	20	-	-
35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	17,498	17,498	-	-
35400100	PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 6"	SQ YD	855	855	-	-
35501308	HOT-MIX ASPHALT BASE COURSE, 6"	SQ YD	1,065	1,065	-	-
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	56	56	-	-
40600300	AGGREGATE (PRIME COAT)	TON	229	229	-	-
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	20	20	-	-
40600827	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	3,556	3,556	-	-

* INDICATES SPECIALTY ITEM

SUMMARY OF QUANTITIES				STU Funding 70% Federal, 30% Local		
				CONSTRUCTION TYPE CODE		
				0004	0021	0040
CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY	TRAFFIC SIGNALS & LIGHTING	BRIDGE & RETAINING WALL
40600895	CONSTRUCTING TEST STRIP	EACH	2	2	-	-
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	241	241	-	-
40600985	PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT	SQ YD	26	26	-	-
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	2,867	2,867	-	-
40701841	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 8"	SQ YD	15,571	15,571	-	-
42000501	PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED)	SQ YD	1,040	1,040	-	-
42001300	PROTECTIVE COAT	SQ YD	20,151	20,151	-	-
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	2,478	2,478	-	-
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	636	636	-	-
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	91,450	91,450	-	-
42400300	PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH	SQ FT	4,488	4,488	-	-
42400410	PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH	SQ FT	1,100	1,100	-	-
42400800	DETECTABLE WARNINGS	SQ FT	712	712	-	-
44000100	PAVEMENT REMOVAL	SQ YD	17,664	17,664	-	-
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SQ YD	31,229	31,229	-	-
44000161	HOT-MIX ASPHALT SURFACE REMOVAL, 3"	SQ YD	583	583	-	-
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	2,747	2,747	-	-
44000300	CURB REMOVAL	FOOT	1,090	1,090	-	-
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	19,911	19,911	-	-
44000600	SIDEWALK REMOVAL	SQ FT	97,250	97,250	-	-
44003100	MEDIAN REMOVAL	SQ FT	1,550	1,550	-	-
44201713	CLASS D PATCHES, TYPE I, 6 INCH	SQ YD	150	150	-	-
44201717	CLASS D PATCHES, TYPE II, 6 INCH	SQ YD	528	528	-	-
44201721	CLASS D PATCHES, TYPE III, 6 INCH	SQ YD	810	810	-	-
44201723	CLASS D PATCHES, TYPE IV, 6 INCH	SQ YD	3,972	3,972	-	-
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	15,600	15,600	-	-
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	2	-	-	2
50102400	CONCRETE REMOVAL	CU YD	2	2	-	-
50105220	PIPE CULVERT REMOVAL	FOOT	105	105	-	-
50200100	STRUCTURE EXCAVATION	CU YD	11	11	-	-
50300225	CONCRETE STRUCTURES	CU YD	16	16	-	-
50800105	REINFORCEMENT BARS	POUND	3,005	3,005	-	-

* INDICATES SPECIALTY ITEM

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**STATE OF ILLINOIS
ORCHARD DRIVE IMPROVEMENTS**

SUMMARY OF QUANTITIES

SCALE: NONE

STA. TO STA.

F.A.U. RTE. 2836	SECTION 06-00090-00-FP	COUNTY COOK	TOTAL SHEETS 200	SHEET NO. 4
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63635	
			W-8003661	

SUMMARY OF QUANTITIES				STU Funding 70% Federal, 30% Local		
				CONSTRUCTION TYPE CODE		
				0004	0021	0040
CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY	TRAFFIC SIGNALS & LIGHTING	BRIDGE & RETAINING WALL
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	20	20	-	-
550A0040	STORM SEWERS, CLASS A, TYPE 1 10"	FOOT	29	29	-	-
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	601	601	-	-
550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	FOOT	373	373	-	-
550A0120	STORM SEWERS, CLASS A, TYPE 1 24"	FOOT	16	16	-	-
550A0160	STORM SEWERS, CLASS A, TYPE 1 36"	FOOT	235	235	-	-
550A0180	STORM SEWERS, CLASS A, TYPE 1 42"	FOOT	368	368	-	-
550A0330	STORM SEWERS, CLASS A, TYPE 2 10"	FOOT	8	8	-	-
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	17	17	-	-
550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	385	385	-	-
550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	FOOT	50	50	-	-
550A0450	STORM SEWERS, CLASS A, TYPE 2 36"	FOOT	380	380	-	-
550A0770	STORM SEWERS, CLASS A, TYPE 3 42"	FOOT	189	189	-	-
550A0810	STORM SEWERS, CLASS A, TYPE 3 66"	FOOT	39	39	-	-
550A2300	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 8"	FOOT	3	3	-	-
550A2320	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	FOOT	207	207	-	-
550A2330	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 15"	FOOT	213	213	-	-
550A2340	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 18"	FOOT	6	6	-	-
550A2400	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 36"	FOOT	51	51	-	-
550A2530	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 15"	FOOT	80	80	-	-
550A2600	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 36"	FOOT	24	24	-	-
550A4710	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 48"	FOOT	925	925	-	-
550A5510	STORM SEWERS, CLASS A, TYPE 2 EQUIVALENT ROUND-SIZE 48"	FOOT	120	120	-	-
55100300	STORM SEWER REMOVAL 8"	FOOT	8	8	-	-
55100400	STORM SEWER REMOVAL 10"	FOOT	73	73	-	-
55100500	STORM SEWER REMOVAL 12"	FOOT	424	424	-	-
55100700	STORM SEWER REMOVAL 15"	FOOT	227	227	-	-
55100900	STORM SEWER REMOVAL 18"	FOOT	82	82	-	-
55101200	STORM SEWER REMOVAL 24"	FOOT	41	41	-	-
55101300	STORM SEWER REMOVAL 27"	FOOT	247	247	-	-
55101400	STORM SEWER REMOVAL 30"	FOOT	694	694	-	-
55101600	STORM SEWER REMOVAL 36"	FOOT	395	395	-	-
55101900	STORM SEWER REMOVAL 48"	FOOT	160	160	-	-

* INDICATES SPECIALTY ITEM

SUMMARY OF QUANTITIES				STU Funding 70% Federal, 30% Local		
				CONSTRUCTION TYPE CODE		
				0004	0021	0040
CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY	TRAFFIC SIGNALS & LIGHTING	BRIDGE & RETAINING WALL
55102100	STORM SEWER REMOVAL 60"	FOOT	53	53	-	-
* 56106300	ADJUSTING WATER MAIN 6"	FOOT	40	40	-	-
* 56106600	ADJUSTING WATER MAIN 12"	FOOT	40	40	-	-
* 56106700	ADJUSTING WATER MAIN 16"	FOOT	80	80	-	-
* 56109424	DUCTILE IRON WATER MAIN FITTINGS 12" 45.00 DEGREE BEND	EACH	4	4	-	-
* 56400300	FIRE HYDRANTS TO BE ADJUSTED	EACH	5	5	-	-
60201110	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11V FRAME AND GRATE	EACH	21	21	-	-
60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	13	13	-	-
60204825	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 11V FRAME AND GRATE	EACH	3	3	-	-
60205040	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	2	2	-	-
60206905	CATCH BASINS, TYPE C, TYPE 1 FRAME, OPEN LID	EACH	4	4	-	-
60207005	CATCH BASINS, TYPE C, TYPE 1 FRAME, CLOSED LID	EACH	1	1	-	-
60207915	CATCH BASINS, TYPE C, TYPE 11V FRAME AND GRATE	EACH	6	6	-	-
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	9	9	-	-
60221000	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	2	2	-	-
60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	6	6	-	-
60222000	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 11 FRAME AND GRATE	EACH	2	2	-	-
60223700	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	2	2	-	-
60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	3	3	-	-
60224039	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	1	1	-	-
60224459	MANHOLES, TYPE A, 8'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	13	13	-	-
60224469	MANHOLES, TYPE A, 9'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2	2	-	-
60234200	INLETS, TYPE A, TYPE 1 FRAME, OPEN LID	EACH	6	6	-	-
60236825	INLETS, TYPE A, TYPE 11V FRAME AND GRATE	EACH	19	19	-	-
60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	EACH	12	12	-	-
60255500	MANHOLES TO BE ADJUSTED	EACH	9	9	-	-
60256940	MANHOLES TO BE ADJUSTED WITH NEW TYPE 24 FRAME AND GRATE	EACH	1	1	-	-
60260100	INLETS TO BE ADJUSTED	EACH	9	9	-	-
60260300	INLETS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, OPEN LID	EACH	2	2	-	-
60260400	INLETS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	5	5	-	-
60262700	INLETS TO BE RECONSTRUCTED	EACH	2	2	-	-
60266600	VALVE BOXES TO BE ADJUSTED	EACH	6	6	-	-
60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	2	2	-	-

* INDICATES SPECIALTY ITEM

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**STATE OF ILLINOIS
ORCHARD DRIVE IMPROVEMENTS**

SUMMARY OF QUANTITIES

SCALE: STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2836	06-00090-00-FP	COOK	200	5
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63635	
			M-80036661	

SUMMARY OF QUANTITIES				STU Funding 70% Federal, 30% Local		
				CONSTRUCTION TYPE CODE		
				0004	0021	0040
CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY	TRAFFIC SIGNALS & LIGHTING	BRIDGE & RETAINING WALL
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	7	7	-	-
60404950	FRAMES AND GRATES, TYPE 24	EACH	3	3	-	-
60406000	FRAMES AND LIDS, TYPE 1, OPEN LID	EACH	1	1	-	-
60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	1	1	-	-
60500040	REMOVING MANHOLES	EACH	8	8	-	-
60500050	REMOVING CATCH BASINS	EACH	5	5	-	-
60500060	REMOVING INLETS	EACH	30	30	-	-
60500070	REMOVING MANHOLES TO MAINTAIN FLOW	EACH	9	9	-	-
60500090	REMOVING INLETS TO MAINTAIN FLOW	EACH	13	13	-	-
60600605	CONCRETE CURB, TYPE B	FOOT	695	695	-	-
60603500	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.06	FOOT	324	324	-	-
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	15,778	15,778	-	-
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	3,548	3,548	-	-
60618740	CONCRETE MEDIAN, TYPE M-2.12	SQ FT	136	136	-	-
60619600	CONCRETE MEDIAN, TYPE SB-6.12	SQ FT	2,680	2,680	-	-
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	18	18	-	-
67100100	MOBILIZATION	L SUM	1	1	-	-
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1	-	-
70102622	TRAFFIC CONTROL AND PROTECTION, STANDARD 701502	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	14,700	14,700	-	-
70300510	PAVEMENT MARKING TAPE, TYPE III - LETTERS AND SYMBOLS	SQ FT	38	38	-	-
70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	53,000	53,000	-	-
70300570	PAVEMENT MARKING TAPE, TYPE III 24"	FOOT	250	250	-	-
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	700	700	-	-
72000100	SIGN PANEL - TYPE 1	SQ FT	1,248	1,238	10	-
72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	71	71	-	-
72400200	REMOVE SIGN PANEL ASSEMBLY - TYPE B	EACH	16	16	-	-
72400310	REMOVE SIGN PANEL - TYPE 1	SQ FT	331	331	-	-
72400600	RELOCATE SIGN PANEL ASSEMBLY - TYPE B	EACH	1	1	-	-

* INDICATES SPECIALTY ITEM

SUMMARY OF QUANTITIES				STU Funding 70% Federal, 30% Local		
				CONSTRUCTION TYPE CODE		
				0004	0021	0040
CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY	TRAFFIC SIGNALS & LIGHTING	BRIDGE & RETAINING WALL
72400710	RELOCATE SIGN PANEL - TYPE 1	SQ FT	8	8	-	-
72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	2,116	2,116	-	-
73100100	BASE FOR TELESCOPING STEEL SIGN SUPPORT	EACH	10	10	-	-
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	1,862	1,862	-	-
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	41,072	41,072	-	-
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	5,690	5,690	-	-
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1,830	1,830	-	-
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	865	865	-	-
* 78008200	POLYUREA PAVEMENT MARKING TYPE I - LETTERS AND SYMBOLS	SQ FT	109	109	-	-
* 78008210	POLYUREA PAVEMENT MARKING TYPE I - LINE 4"	FOOT	20	20	-	-
* 78008230	POLYUREA PAVEMENT MARKING TYPE I - LINE 6"	FOOT	419	419	-	-
* 78008270	POLYUREA PAVEMENT MARKING TYPE I - LINE 24"	FOOT	175	175	-	-
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	68	68	-	-
78300100	PAVEMENT MARKING REMOVAL	SQ FT	360	360	-	-
* 80400100	ELECTRIC SERVICE INSTALLATION	EACH	1	-	1	-
* 80400200	ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1	-	1	-
* 80500010	SERVICE INSTALLATION - GROUND MOUNTED	EACH	1	-	1	-
* 80500020	SERVICE INSTALLATION - POLE MOUNTED	EACH	4	-	4	-
* 81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	5,864	-	5,864	-
* 81028210	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	234	-	234	-
* 81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	1,125	-	1,125	-
* 81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	1,694	-	1,694	-
* 81400100	HANDHOLE	EACH	23	-	23	-
* 81400200	HEAVY-DUTY HANDHOLE	EACH	18	-	18	-
* 81400300	DOUBLE HANDHOLE	EACH	10	-	10	-
* 81400730	HANDHOLE, COMPOSITE CONCRETE	EACH	10	-	10	-
* 81603035	UNIT DUCT, 600V, 2-1C NO.6, 1/C NO.6 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE	FOOT	6,709	-	6,709	-
* 81603100	UNIT DUCT, 600V, 4-1C NO.6, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	1,091	-	1,091	-
* 81700215	ELECTRIC CABLE IN CONDUIT, 600V (EPR-TYPE RHW) 2-1/C NO. 10	FOOT	730	-	730	-
* 82102250	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT	EACH	33	-	33	-
* 82500350	LIGHTING CONTROLLER, BASE MOUNTED, 240VOLT, 100AMP	EACH	1	-	1	-
* 84200500	REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	26	-	26	-
* 84400105	RELOCATE EXISTING LIGHTING UNIT	EACH	3	-	3	-

* INDICATES SPECIALTY ITEM

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**STATE OF ILLINOIS
ORCHARD DRIVE IMPROVEMENTS**

SUMMARY OF QUANTITIES

SCALE: STA. TO STA.

F.A.U. RTE. 2836	SECTION 06-0090-00-FP	COUNTY COOK	TOTAL SHEETS 200	SHEET NO. 6
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT	CONTRACT NO. 63635	
			M-8003661	

SUMMARY OF QUANTITIES				STU Funding 70% Federal, 30% Local		
				CONSTRUCTION TYPE CODE		
				0004	0021	0040
CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY	TRAFFIC SIGNALS & LIGHTING	BRIDGE & RETAINING WALL
* 84500110	REMOVAL OF LIGHTING CONTROLLER	EACH	1	-	1	-
* 85700200	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	4	-	4	-
* 86200300	UNINTERRUPTIBLE POWER SUPPLY, EXTENDED	EACH	5	-	5	-
* 86400100	TRANSCEIVER-FIBER OPTIC	EACH	1	-	1	-
* 87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	6,633	-	6,633	-
* 87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	8,159	-	8,159	-
* 87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	7,385	-	7,385	-
* 87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	5,356	-	5,356	-
* 87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	9,318	-	9,318	-
* 87301800	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 4 2 C	FOOT	1,003	-	1,003	-
* 87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	275	-	275	-
* 87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	2,575	-	2,575	-
* 87502480	TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EACH	4	-	4	-
* 87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	12	-	12	-
* 87700170	STEEL MAST ARM ASSEMBLY AND POLE, 26 FT.	EACH	1	-	1	-
* 87700180	STEEL MAST ARM ASSEMBLY AND POLE, 28 FT.	EACH	3	-	3	-
* 87700200	STEEL MAST ARM ASSEMBLY AND POLE, 32 FT.	EACH	2	-	2	-
* 87700220	STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.	EACH	1	-	1	-
* 87700230	STEEL MAST ARM ASSEMBLY AND POLE, 38 FT.	EACH	3	-	3	-
* 87700240	STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH	2	-	2	-
* 87700260	STEEL MAST ARM ASSEMBLY AND POLE, 44 FT.	EACH	1	-	1	-
* 87700280	STEEL MAST ARM ASSEMBLY AND POLE, 48 FT.	EACH	1	-	1	-
* 87700300	STEEL MAST ARM ASSEMBLY AND POLE, 52 FT.	EACH	2	-	2	-
* 87702890	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 32 FT.	EACH	1	-	1	-
* 87702900	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 34 FT.	EACH	1	-	1	-
* 87702930	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 40 FT.	EACH	1	-	1	-
* 87702950	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 44 FT.	EACH	1	-	1	-
* 87800100	CONCRETE FOUNDATION, TYPE A	FOOT	64	-	64	-
* 87800150	CONCRETE FOUNDATION, TYPE C	FOOT	20	-	20	-
* 87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	135	-	135	-
* 87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	119	-	119	-
* 88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	33	-	33	-
* 88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2	-	2	-

* INDICATES SPECIALTY ITEM

SUMMARY OF QUANTITIES				STU Funding 70% Federal, 30% Local		
				CONSTRUCTION TYPE CODE		
				0004	0021	0040
CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY	TRAFFIC SIGNALS & LIGHTING	BRIDGE & RETAINING WALL
* 88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	14	-	14	-
* 88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	16	-	16	-
* 88030210	SIGNAL HEAD, LED, 2-FACE, 3 SECTION, BRACKET MOUNTED	EACH	2	-	2	-
* 88030240	SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	2	-	2	-
* 88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	26	-	26	-
* 88102747	PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2	-	2	-
* 88200210	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	49	-	49	-
* 88500100	INDUCTIVE LOOP DETECTOR	EACH	48	-	48	-
* 88600100	DETECTOR LOOP, TYPE I	FOOT	5,231	-	5,231	-
* 88700200	LIGHT DETECTOR	EACH	10	-	10	-
* 88700300	LIGHT DETECTOR AMPLIFIER	EACH	5	-	5	-
* 88800100	PEDESTRIAN PUSH-BUTTON	EACH	14	-	14	-
* 89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	5	-	5	-
* 89100400	ILLUMINATED SIGN, LED	EACH	20	-	20	-
* 89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	27,526	-	27,526	-
* 89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	600	-	600	-
* 89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	5	-	5	-
* 89502380	REMOVE EXISTING HANDHOLE	EACH	41	-	41	-
* 89502382	REMOVE EXISTING DOUBLE HANDHOLE	EACH	4	-	4	-
* 89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	35	-	35	-
Z0001050	AGGREGATE SUBGRADE 12"	SQ YD	19,605	19,605	-	-
* Z0007101	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 1	L SUM	1	-	-	1
* Z0010501	CLEANING AND PAINTING STEEL BRIDGE NO. 1	L SUM	1	-	-	1
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1	-	-
Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	81	81	-	-
Z0022800	FENCE REMOVAL	FOOT	720	720	-	-
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	598	598	-	-
* Z0033044	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1	-	1	-
Z0038122	PORTLAND CEMENT CONCRETE SURFACE REMOVAL 2 1/4"	SQ YD	234	234	-	-
Z0042002	POROUS GRANULAR EMBANKMENT, SUBGRADE	CU YD	2,540	2,540	-	-
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1	-	-
Z0056604	STORM SEWER (WATER MAIN REQUIREMENTS) 8 INCH	FOOT	4	4	-	-
Z0056606	STORM SEWER (WATER MAIN REQUIREMENTS) 10 INCH	FOOT	74	74	-	-

* INDICATES SPECIALTY ITEM

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**STATE OF ILLINOIS
ORCHARD DRIVE IMPROVEMENTS**

SUMMARY OF QUANTITIES

SCALE: STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2836	06-00090-00-FP	COOK	200	7
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 63635	
FED. AID PROJECT			M-8003661	

SUMMARY OF QUANTITIES				STU Funding 70% Federal, 30% Local		
				CONSTRUCTION TYPE CODE		
				0004	0021	0040
CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY	TRAFFIC SIGNALS & LIGHTING	BRIDGE & RETAINING WALL
Z0056608	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	FOOT	177	177	-	-
Z0062456	TEMPORARY PAVEMENT	SQ YD	173	173	-	-
* Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	5	-	5	-
\$ Z0076600	TRAINEES	HOUR	1,000	1,000	-	-
* A2002916	TREE, CELTIS OCCIDENTALIS (COMMON HACKBERRY), 2" CALIPER, BALLED AND BURLAPPED	EACH	10	10	-	-
* A2004568	TREE, GINKGO BILOBA MAGYAR ARISTOCRAT (MAGYAR ARISTOCRAT GINKO), TREE FORM, 3" CALIPER BALLED AND BURLAPPED	EACH	10	10	-	-
* A2005316	TREE, LIQUIDAMBAR STYRACIFLUA (AMERICAN SWEETGUM), 2" CALIPER, BALLED AND BURLAPPED	EACH	10	10	-	-
* A2007816	TREE, TILIA AMERICANA (AMERICAN LINDEN/ BASSWOOD), 2" CALIPER, BALLED AND BURLAPPED	EACH	10	10	-	-
* A2008453	TREE, ULMUS ACCOLADE (HYBRID ELM), 3" CALIPER, BALLED AND BURLAPPED	EACH	9	9	-	-
* B2006316	TREE, SYRINGA RETICULATA IVORY SILK (IVORY SILK JAPANESE TREE LILAC), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	9	9	-	-
* X0324450	SEGMENTAL CONCRETE BLOCK WALL, SPECIAL	SQ FT	1,599	-	-	1,599
X0325279	CLASS SI CONCRETE (MISCELLANEOUS)	CU YD	14	-	-	14
X0327037	SPECIAL GRATE NO. 1	EACH	1	1	-	-
X2130010	EXPLORATION TRENCH, SPECIAL	FOOT	200	200	-	-
X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	65	65	-	-
X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	10	10	-	-
X4023000	TEMPORARY ACCESS (ROAD)	EACH	13	13	-	-
X5537600	STORM SEWERS TO BE CLEANED 8"	FOOT	500	500	-	-
X5537700	STORM SEWERS TO BE CLEANED 10"	FOOT	983	983	-	-
X5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	1,039	1,039	-	-
X5537900	STORM SEWERS TO BE CLEANED 15"	FOOT	1,255	1,255	-	-
X5538000	STORM SEWERS TO BE CLEANED 18"	FOOT	1,673	1,673	-	-
X5538200	STORM SEWERS TO BE CLEANED 24"	FOOT	770	770	-	-
X5538400	STORM SEWERS TO BE CLEANED 30"	FOOT	240	240	-	-
X5538500	STORM SEWERS TO BE CLEANED 33"	FOOT	60	60	-	-
X5538600	STORM SEWERS TO BE CLEANED 36"	FOOT	1,175	1,175	-	-
X5538700	STORM SEWERS TO BE CLEANED 42"	FOOT	270	270	-	-
X5538800	STORM SEWERS TO BE CLEANED 48"	FOOT	1,305	1,305	-	-
X5539000	STORM SEWERS TO BE CLEANED 60"	FOOT	20	20	-	-
X6020099	MANHOLES, TYPE A, 9'-DIAMETER, WITH SPECIAL FRAME AND GRATE	EACH	2	2	-	-

* INDICATES SPECIALTY ITEM

\$ CONSTRUCTION TYPE CODE 0042

SUMMARY OF QUANTITIES				STU Funding 70% Federal, 30% Local		
				CONSTRUCTION TYPE CODE		
				0004	0021	0040
CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY	TRAFFIC SIGNALS & LIGHTING	BRIDGE & RETAINING WALL
X6026050	SANITARY MANHOLES TO BE ADJUSTED	EACH	21	21	-	-
X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	14	14	-	-
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1	-	-
* X8570226	FULL-ACTUATED CONTROLLER AND CABINET, TYPE IV, SPECIAL	EACH	1	-	1	-
* X8730250	ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED	FOOT	1,924	-	1,924	-
* X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	16	-	16	-
* X8760250	VIBROTACTILE FEATURE	EACH	8	-	8	-
XX000717	STORM SEWER CONNECTION, SPECIAL	EACH	1	1	-	-
X5539066	STORM SEWERS TO BE CLEANED 66"	FOOT	100	100	-	-
* Xx008b12	LIGHT POLE, FIBERGLASS 35 FT. M.H., 12 FT. ARM, TENON MOUNT	EACH	29	-	29	-
X4420682	CLASS B PATCHES, TYPE II, 10 INCH (SPECIAL)	SQ YD	86	86	-	-
X4420683	CLASS B PATCHES, TYPE III, 10 INCH (SPECIAL)	SQ YD	17	17	-	-
X4420684	CLASS B PATCHES, TYPE IV, 10 INCH (SPECIAL)	SQ YD	70	70	-	-

* INDICATES SPECIALTY ITEM

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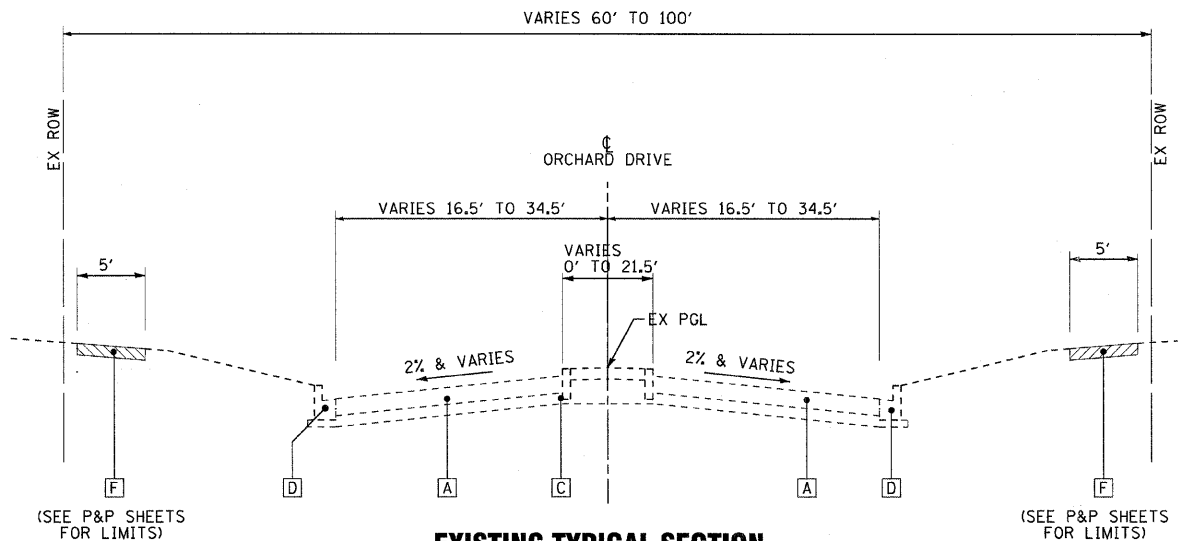
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**STATE OF ILLINOIS
ORCHARD DRIVE IMPROVEMENTS**

SUMMARY OF QUANTITIES

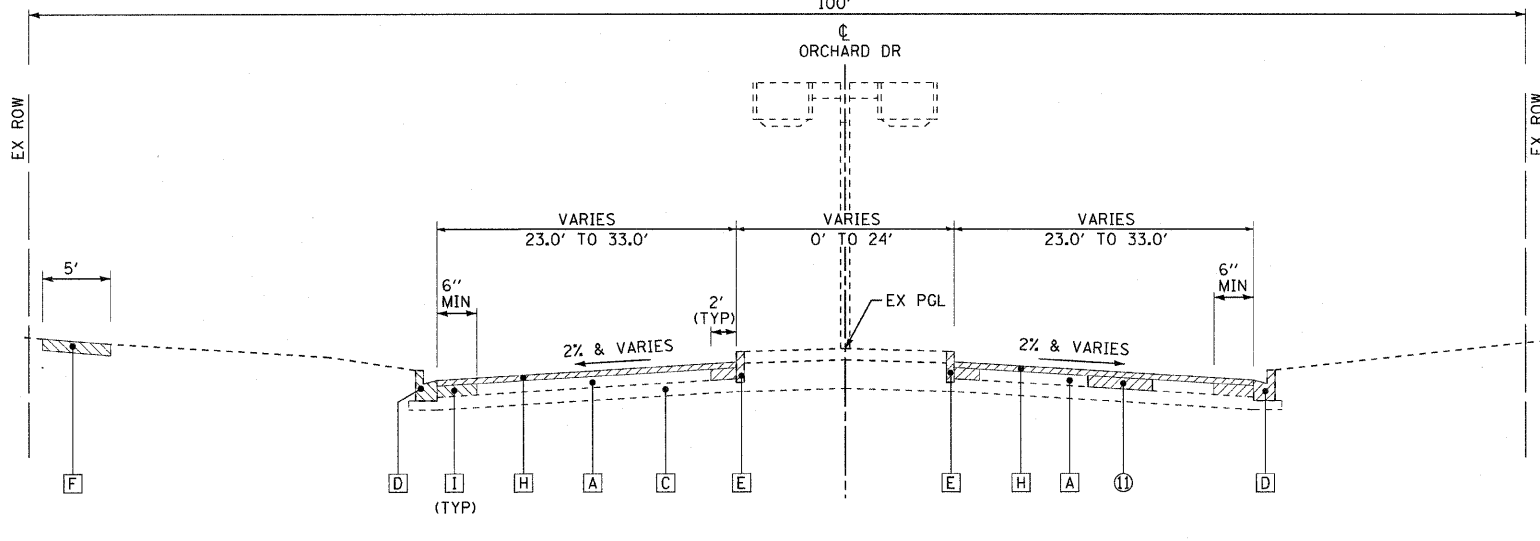
SCALE: STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2836	06-00090-00-FP	COOK	200	8
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63635	
			M-8003661	



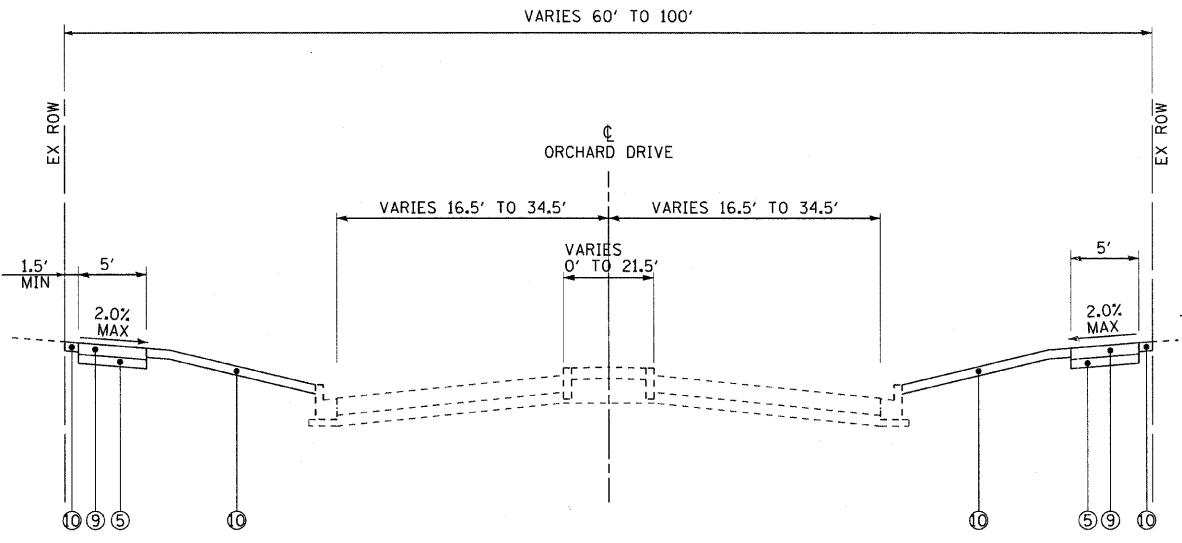
**EXISTING TYPICAL SECTION
ORCHARD DRIVE**

STA 100+35 TO STA 116+68
STA 118+56 TO STA 123+48
STA 125+66 TO STA 132+08



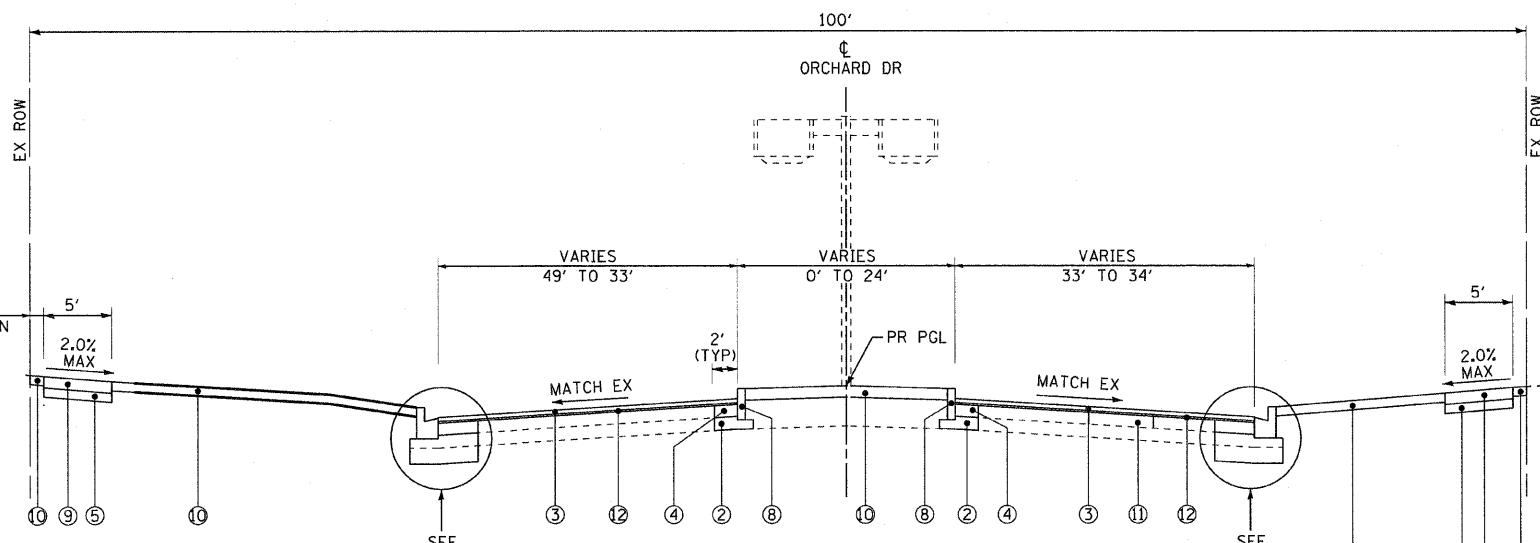
**EXISTING TYPICAL SECTION
ORCHARD DRIVE**

STA 116+68 TO STA 118+56
STA 123+48 TO STA 125+66
STA 132+08 TO STA 136+00
STA 213+11 TO STA 214+57



**PROPOSED TYPICAL SECTION
ORCHARD DRIVE**

STA 100+35 TO STA 116+68
STA 118+56 TO STA 123+48
STA 125+66 TO STA 132+08



**PROPOSED TYPICAL SECTION
ORCHARD DRIVE**

STA 116+68 TO STA 118+56
STA 123+48 TO STA 125+66
STA 132+08 TO STA 135+05
STA 213+11 TO STA 214+57

EXISTING LEGEND

- A HMA PAVEMENT (VARIES 5"-7")
- B PCC BASE COURSE (AVG. DEPTH 8")
- C AGGREGATE BASE COURSE (VARIES 6"-11")
- D COMBINATION CONCRETE CURB AND GUTTER
- E CONCRETE CURB
- F SIDEWALK
- G PCC PAVEMENT, 10"
- H HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
- I PAVEMENT REMOVAL
- J CONCRETE MEDIAN
- ITEM TO BE REMOVED

PROPOSED LEGEND

- 1 HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 8"
- 2 AGGREGATE SUBGRADE 12"
- 3 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 1 1/2"
- 4 HOT-MIX ASPHALT BASE COURSE, 6"
- 5 AGGREGATE BASE COURSE, TYPE B 4"
- 6 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- 7 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- 8 CONCRETE CURB, TYPE B
- 9 PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
- 10 TOPSOIL FURNISH & PLACE, 4"
- (SEE LANDSCAPING PLANS FOR SEEDING & SODDING LOCATIONS)

- 11 CLASS D PATCHES, 6"
- 12 POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 3/4" MIN
- 13 POROUS GRANULAR EMBANKMENT, SUBGRADE 6-INCH
- 14 PCC BASE COURSE WIDENING, 6"
- 15 CONCRETE MEDIAN, TYPE SB-6.12
- 16 CLASS B PATCHES
- 17 PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED)
- 18 STRIP REFLECTIVE CRACK CONTROL
- 19 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 2 1/4"
- 20 CONCRETE MEDIAN, TYPE M-2.12
- 21 CONSTRUCTION JOINT WITH TIE BARS (INCLUDED IN THE COST OF THE PROPOSED PAVEMENT)

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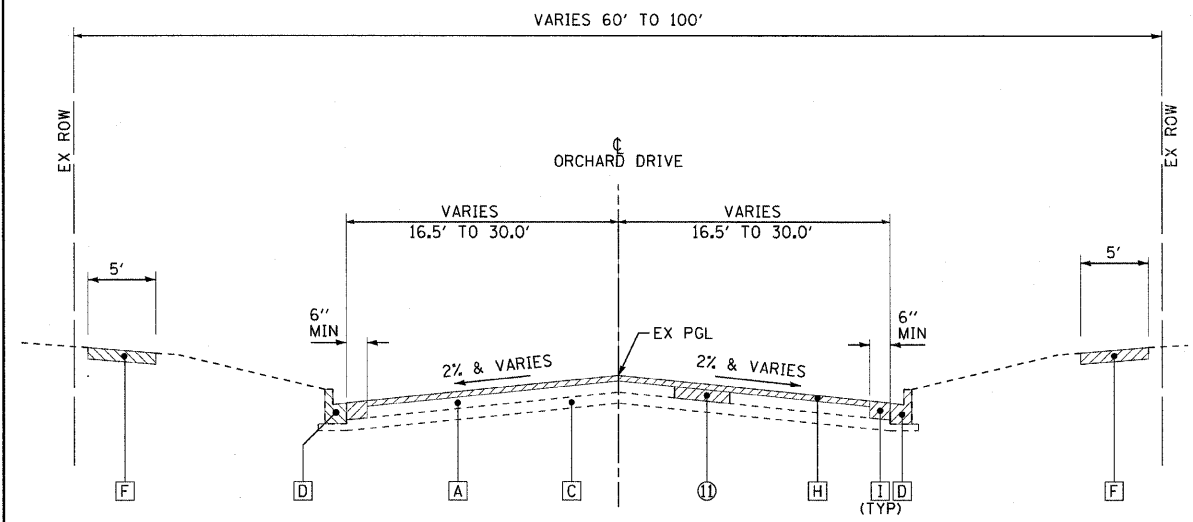


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DATE - 10/24/11	FILE - 060670-PH2-TYPICAL.sht

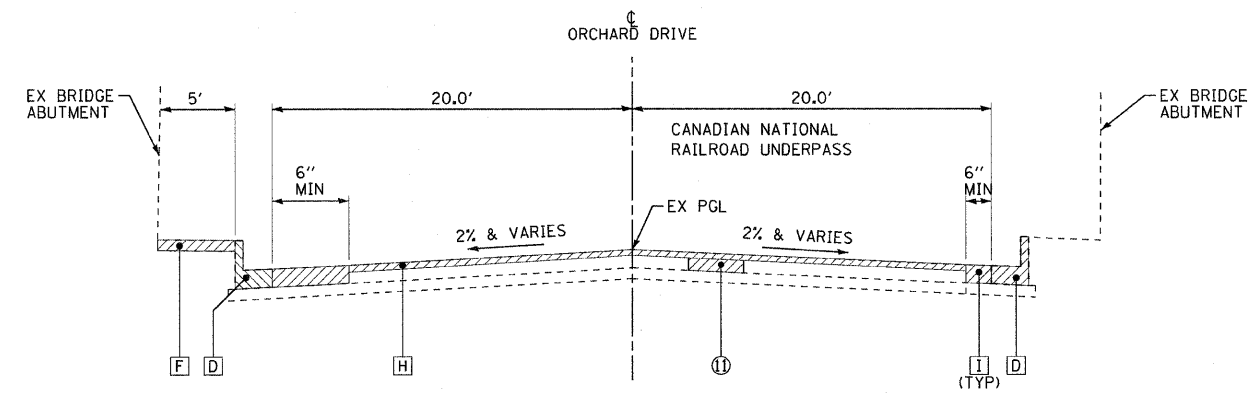
**STATE OF ILLINOIS
ORCHARD DRIVE IMPROVEMENTS**

TYPICAL SECTIONS

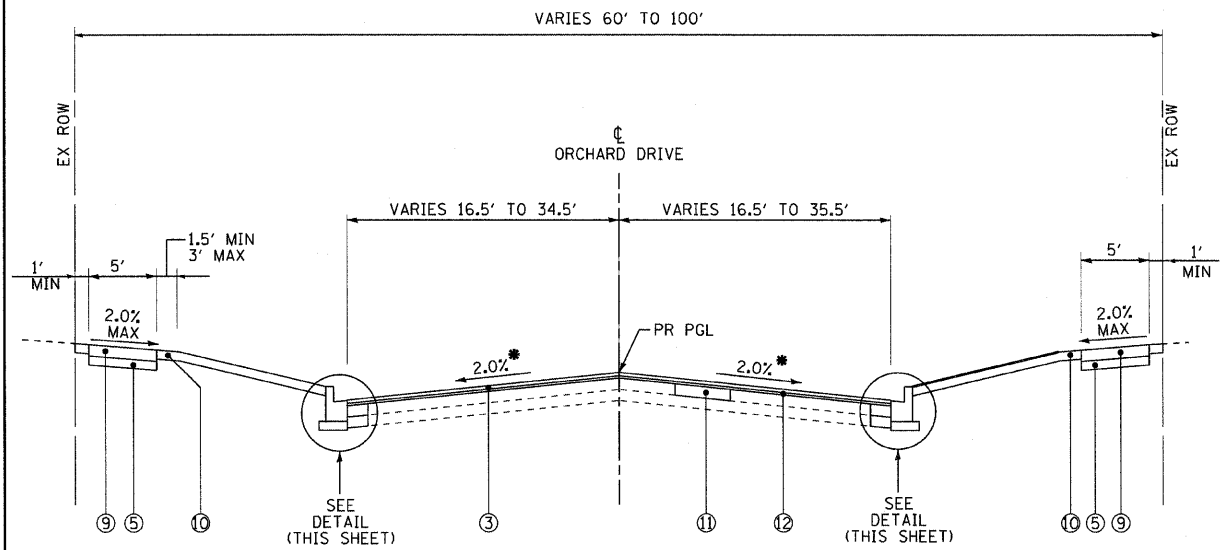
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		FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT		CONTRACT NO. 63635		



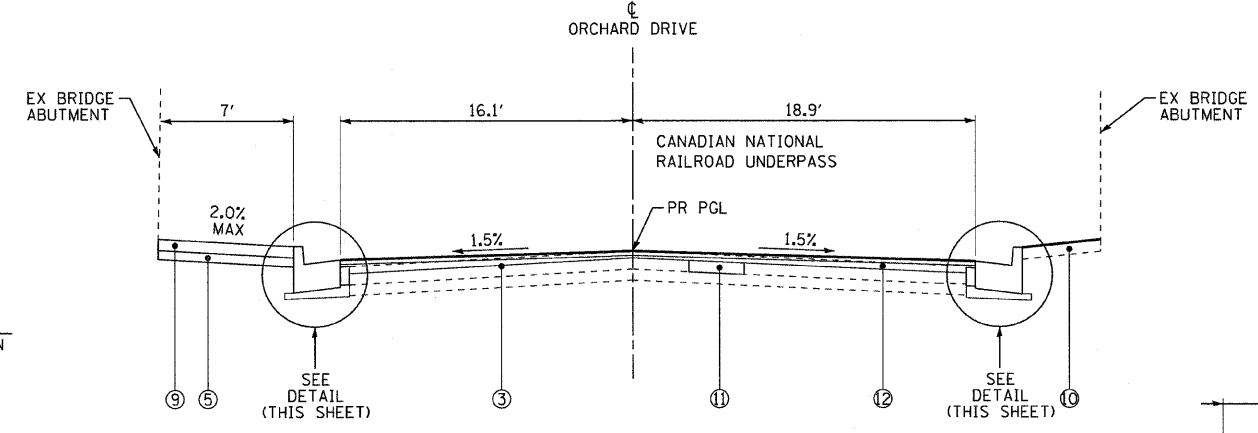
**EXISTING TYPICAL SECTION
ORCHARD DRIVE**
 STA 136+00 TO STA 145+80
 STA 159+30 TO STA 172+52
 STA 174+00 TO STA 181+97
 STA 197+26 TO STA 213+11



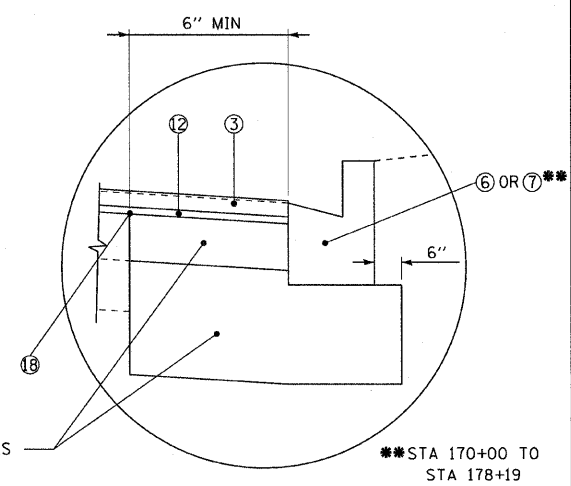
**EXISTING TYPICAL SECTION
ORCHARD DRIVE**
 STA 172+50 TO STA 174+00



**PROPOSED TYPICAL SECTION
ORCHARD DRIVE**
 STA 135+05 TO STA 145+80
 STA 159+30 TO STA 172+50
 STA 174+00 TO STA 181+97
 STA 197+26 TO STA 213+11



**PROPOSED TYPICAL SECTION
ORCHARD DRIVE**
 STA 172+50 TO STA 174+00



- DETAIL NOTES:**
1. IN RESURFACING AREAS WITH NEW CURB AND GUTTER, SAWCUT EDGE OF PAVEMENT 6" FROM FACE OF CURB, FILL GAP WITH CLASS SI CONCRETE AS INCIDENTAL TO COST OF COMBINATION CONCRETE CURB & GUTTER.
 2. IN AREAS OF RESURFACING AND PAVEMENT WIDENING FROM 6" TO 2 FT. CONSTRUCT PCC BASE COURSE WIDENING, 6" ON AGGREGATE BASE COURSE, TYPE B, 4".
 3. IN AREAS OF 2 FT OR MORE OF PAVEMENT WIDENING, USE HMA BASE COURSE, 6" ON AGGREGATE SUBGRADE, 12".

- EXISTING LEGEND**
- A HMA PAVEMENT (VARIES 5"-7")
 - B PCC BASE COURSE (AVG. DEPTH 8")
 - C AGGREGATE BASE COURSE (VARIES 6"-11")
 - D COMBINATION CONCRETE CURB AND GUTTER
 - E CONCRETE CURB
 - F SIDEWALK
 - G PCC PAVEMENT, 10"
 - H HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
 - I PAVEMENT REMOVAL
 - J CONCRETE MEDIAN
 - ITEM TO BE REMOVED

- PROPOSED LEGEND**
- 1 HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 8"
 - 2 AGGREGATE SUBGRADE 12"
 - 3 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 1 1/2"
 - 4 HOT-MIX ASPHALT BASE COURSE, 6"
 - 5 AGGREGATE BASE COURSE, TYPE B 4"
 - 6 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
 - 7 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
 - 8 CONCRETE CURB, TYPE B
 - 9 PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
 - 10 TOPSOIL FURNISH & PLACE, 4"
(SEE LANDSCAPING PLANS FOR SEEDING & SODDING LOCATIONS)
 - 11 CLASS D PATCHES, 6"
 - 12 POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 3/4" MIN
 - 13 POROUS GRANULAR EMBANKMENT, SUBGRADE 6-INCH
 - 14 PCC BASE COURSE WIDENING, 6"
 - 15 CONCRETE MEDIAN, TYPE SB-6.12
 - 16 CLASS B PATCHES
 - 17 PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED)
 - 18 STRIP REFLECTIVE CRACK CONTROL
 - 19 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 2 1/4"
 - 20 CONCRETE MEDIAN, TYPE M-2.12
 - 21 CONSTRUCTION JOINT WITH TIE BARS (INCLUDED IN THE COST OF THE PROPOSED PAVEMENT)



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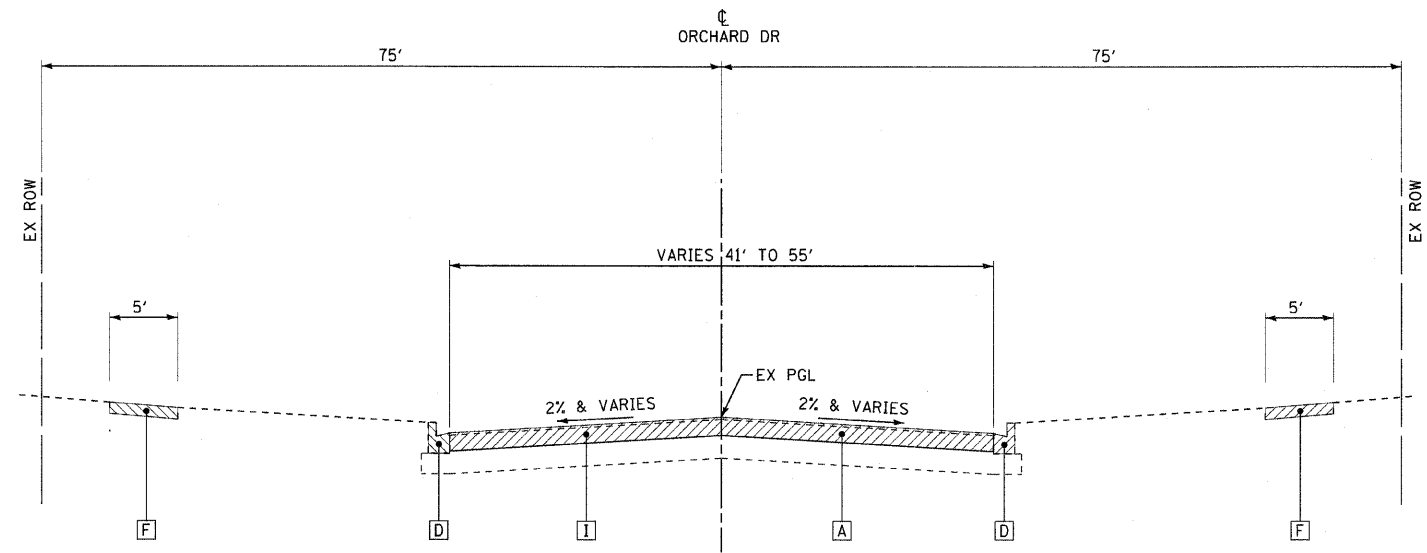
**STATE OF ILLINOIS
ORCHARD DRIVE IMPROVEMENTS**

TYPICAL SECTIONS

SCALE:	STA.	TO STA.
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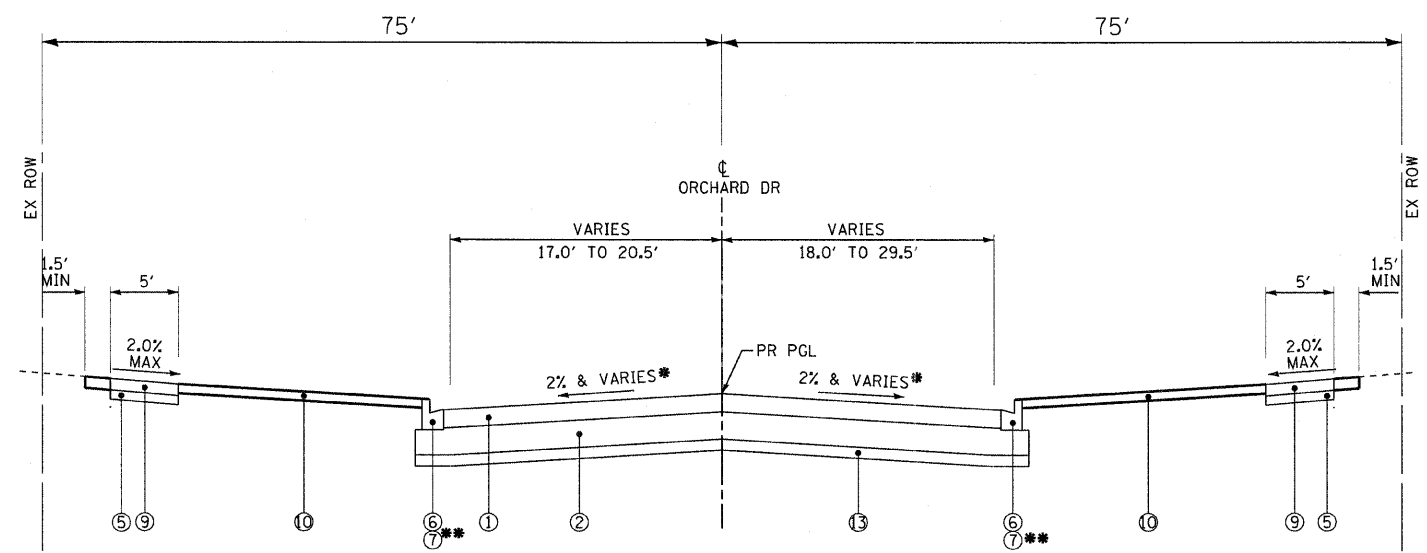
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2836	06-00090-00-FP	COOK	200	10
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63635	
			M-8003663	

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 PROJECT - 060670-PH2-TYPICAL.shx



**EXISTING TYPICAL SECTION
ORCHARD DRIVE**

STA 145+80 TO STA 159+30
STA 181+97 TO STA 197+26



**PROPOSED TYPICAL SECTION
ORCHARD DRIVE**

STA 145+80 TO STA 159+30
STA 181+97 TO STA 197+26

* SEE PLAN & PROFILE SHEETS FOR CROSS SLOPE IN SUPERELEVATED SECTIONS
** STA 186+00 TO STA 191+16

STRUCTURAL DESIGN DATA

STREET	STRUCTURAL DESIGN TRAFFIC 2022			STREET CLASS	TRAFFIC FACTOR	SSR	TEMP	STRAIN	AC	EAC	REQ'D BIT THICKNESS	MECHANISTIC PAVEMENT DESIGN
	PV	SU / MU										
ORCHARD DR	7716	325 / 81		I	0.593	POOR	78.2	160	PG 64-28	590	7 3/4"	2" HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL-9.5mm) 6" HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19mm)

PROPOSED LEGEND

- ① HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 8"
- ② AGGREGATE SUBGRADE 12"
- ③ HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 1 1/2"
- ④ HOT-MIX ASPHALT BASE COURSE, 6"
- ⑤ AGGREGATE BASE COURSE, TYPE B 4"
- ⑥ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- ⑦ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- ⑧ CONCRETE CURB, TYPE B
- ⑨ PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
- ⑩ TOPSOIL FURNISH & PLACE, 4"
- (SEE LANDSCAPING PLANS FOR SEEDING & SODDING LOCATIONS)
- ⑪ CLASS D PATCHES, 6"
- ⑫ POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 3/4" MIN
- ⑬ POROUS GRANULAR EMBANKMENT, SUBGRADE 6-INCH
- ⑭ PCC BASE COURSE WIDENING, 6"
- ⑮ CONCRETE MEDIAN, TYPE SB-6.12
- ⑯ CLASS B PATCHES
- ⑰ PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED)
- ⑱ STRIP REFLECTIVE CRACK CONTROL
- ⑲ HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 2 1/4"
- ⑳ CONCRETE MEDIAN, TYPE M-2.12
- ㉑ CONSTRUCTION JOINT WITH TIE BARS (INCLUDED IN THE COST OF THE PROPOSED PAVEMENT)

EXISTING LEGEND

- A HMA PAVEMENT (VARIES 5"-7")
- B PCC BASE COURSE (AVG. DEPTH 8")
- C AGGREGATE BASE COURSE (VARIES 6"-11")
- D COMBINATION CONCRETE CURB AND GUTTER
- E CONCRETE CURB
- F SIDEWALK
- G PCC PAVEMENT, 10"
- H HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
- I PAVEMENT REMOVAL
- J CONCRETE MEDIAN
- ITEM TO BE REMOVED

SOILS NOTE:

POROUS GRANULAR EMBANKMENT, SUBGRADE HAS BEEN PROVIDED TO REPLACE SOILS WHICH TEND TO BE UNSTABLE WHEN WET. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH PCES WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE ENGINEER. IF UNSTABLE SOILS ARE ENCOUNTERED THE SOILS SHALL BE REMOVED AND REPLACED WITH PCES. THE REMOVAL AND REPLACEMENT AREA SHALL EXTEND TO 12 INCHES BEYOND THE CURB AND GUTTER AND COME UP AT A 1:1 SLOPE TO EXISTING GROUND SURFACE. THESE LIMITS MAY BE ALTERED BY THE ENGINEER IF FIELD CONDITIONS WARRANT. REMOVAL OF THESE UNSUITABLE SOILS SHALL BE PAID FOR AS "REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL."

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 CHICAGO, IL 60610
 TEL: 312.467.1000
 FAX: 312.467.1001
 E-MAIL: INFO@BAXTERANDWOODMAN.COM
 PROJECT: 06-00090-00-FP
 SHEET: 200 OF 211
 DATE: 10/24/11



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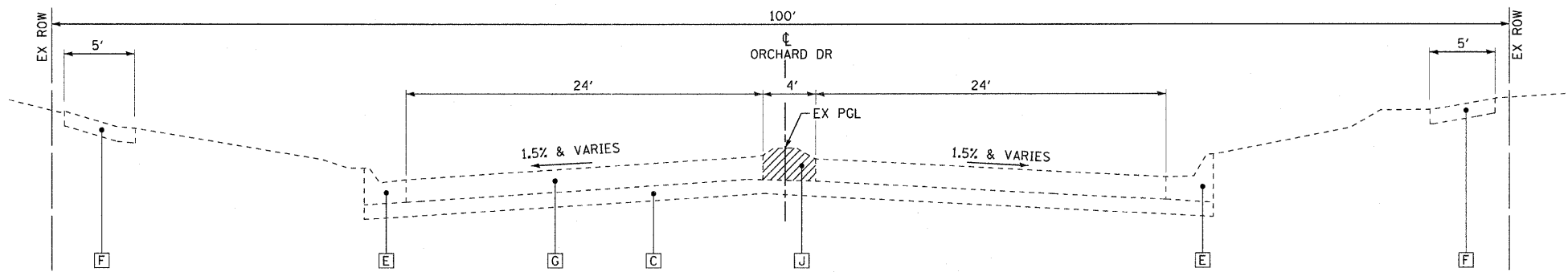
**STATE OF ILLINOIS
ORCHARD DRIVE IMPROVEMENTS**

TYPICAL SECTIONS

SCALE:

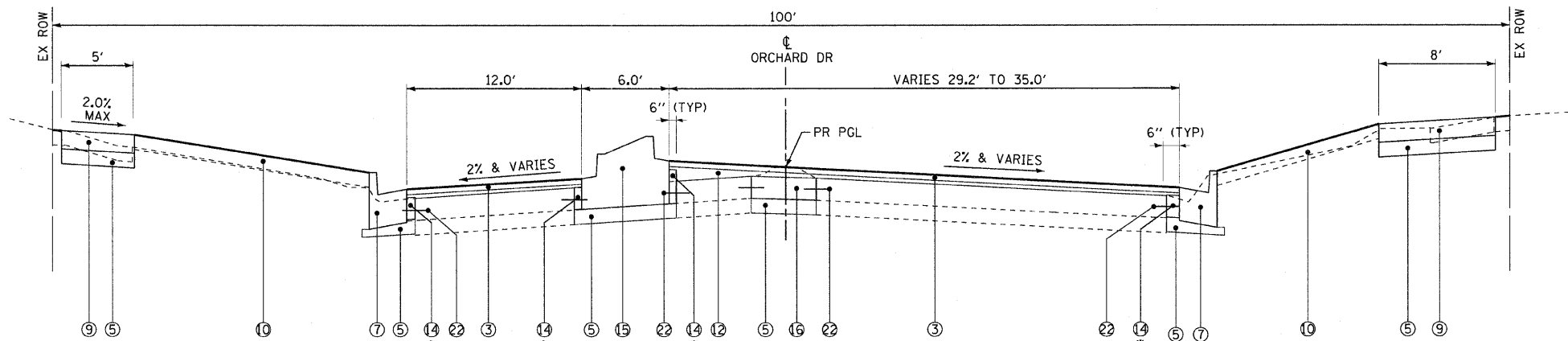
STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2836	06-00090-00-FP	COOK	200	11
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT			CONTRACT NO. 63635	
			M-800366d	



**EXISTING TYPICAL SECTION
ORCHARD DRIVE**

STA 214+57 TO STA 216+50



**PROPOSED TYPICAL SECTION
ORCHARD DRIVE**

STA 214+57 TO STA 216+50

* FILL 6" GAP WITH CLASS SI CONCRETE. THIS WORK SHALL BE INCLUDED IN THE COST OF COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24

EXISTING LEGEND

- A HMA PAVEMENT (VARIES 5"-7")
- B PCC BASE COURSE (AVG. DEPTH 8")
- C AGGREGATE BASE COURSE (VARIES 6"-11")
- D COMBINATION CONCRETE CURB AND GUTTER
- E CONCRETE CURB
- F SIDEWALK
- G PCC PAVEMENT, 10"
- H HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
- I PAVEMENT REMOVAL
- J CONCRETE MEDIAN
- ▨ ITEM TO BE REMOVED

PROPOSED LEGEND

- 1 HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 8"
- 2 AGGREGATE SUBGRADE 12"
- 3 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 1 1/2"
- 4 HOT-MIX ASPHALT BASE COURSE, 6"
- 5 AGGREGATE BASE COURSE, TYPE B 4"
- 6 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- 7 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- 8 CONCRETE CURB, TYPE B
- 9 PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
- 10 TOPSOIL FURNISH & PLACE, 4"
(SEE LANDSCAPING PLANS FOR SEEDING & SODDING LOCATIONS)
- 11 CLASS D PATCHES, 6"
- 12 POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 3/4" MIN
- 13 POROUS GRANULAR EMBANKMENT, SUBGRADE 6-INCH
- 14 PCC BASE COURSE WIDENING, 6"
- 15 CONCRETE MEDIAN, TYPE SB-6.12
- 16 CLASS B PATCHES
- 17 PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED)
- 18 STRIP REFLECTIVE CRACK CONTROL
- 19 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 2 1/4"
- 20 CONCRETE MEDIAN, TYPE M-2.12
- 21 CONSTRUCTION JOINT WITH TIE BARS (INCLUDED IN THE COST OF THE PROPOSED PAVEMENT)
- 22 TIE BARS (INCLUDED IN THE COST OF THE PROPOSED CURB AND GUTTER)

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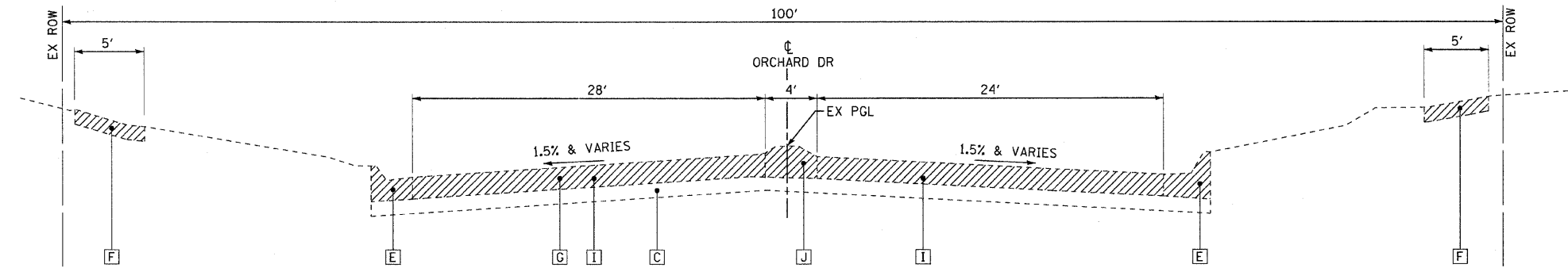
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**STATE OF ILLINOIS
ORCHARD DRIVE IMPROVEMENTS**

TYPICAL SECTIONS

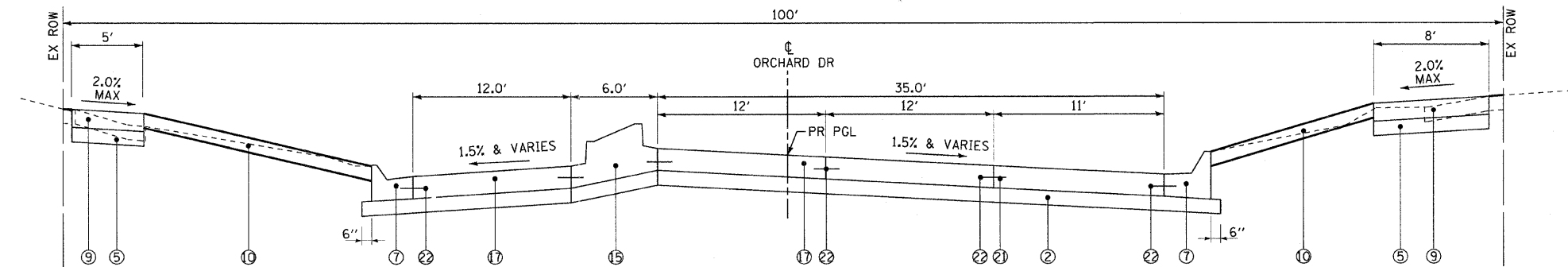
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2836	06-00090-00-FP	COOK	200	12
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63635	
			M-8003663	



**EXISTING TYPICAL SECTION
ORCHARD DRIVE**

STA 216+50 TO STA 217+36



**PROPOSED TYPICAL SECTION
ORCHARD DRIVE**

STA 216+50 TO STA 217+36

EXISTING LEGEND

- A HMA PAVEMENT (VARIES 5"-7")
- B PCC BASE COURSE (AVG. DEPTH 8")
- C AGGREGATE BASE COURSE (VARIES 6"-11")
- D COMBINATION CONCRETE CURB AND GUTTER
- E CONCRETE CURB
- F SIDEWALK
- G PCC PAVEMENT, 10"
- H HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
- I PAVEMENT REMOVAL
- J CONCRETE MEDIAN
- ITEM TO BE REMOVED

PROPOSED LEGEND

- 1 HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 8"
- 2 AGGREGATE SUBGRADE 12"
- 3 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 1 1/2"
- 4 HOT-MIX ASPHALT BASE COURSE, 6"
- 5 AGGREGATE BASE COURSE, TYPE B 4"
- 6 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- 7 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- 8 CONCRETE CURB, TYPE B
- 9 PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
- 10 TOPSOIL FURNISH & PLACE, 4"
- (SEE LANDSCAPING PLANS FOR SEEDING & SODDING LOCATIONS)
- 11 CLASS D PATCHES, 5"
- 12 POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 3/4" MIN
- 13 POROUS GRANULAR EMBANKMENT, SUBGRADE 6-INCH
- 14 PCC BASE COURSE WIDENING, 6"
- 15 CONCRETE MEDIAN, TYPE SB-6.12
- 16 CLASS B PATCHES
- 17 PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED)
- 18 STRIP REFLECTIVE CRACK CONTROL
- 19 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 2 1/4"
- 20 CONCRETE MEDIAN, TYPE M-2.12
- 21 CONSTRUCTION JOINT WITH TIE BARS (INCLUDED IN THE COST OF THE PROPOSED PAVEMENT)
- 22 TIE BARS (INCLUDED IN THE COST OF THE PROPOSED CURB AND GUTTER)

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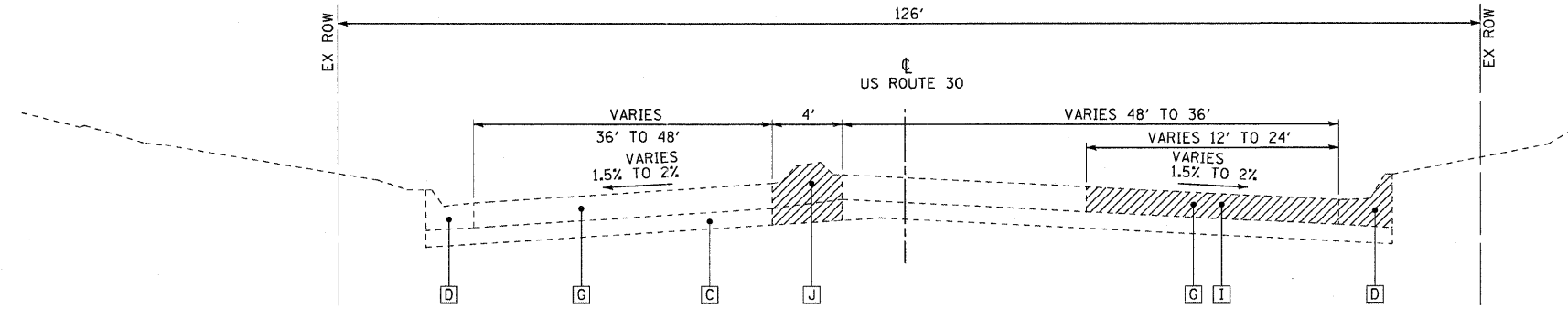
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**STATE OF ILLINOIS
ORCHARD DRIVE IMPROVEMENTS**

TYPICAL SECTIONS

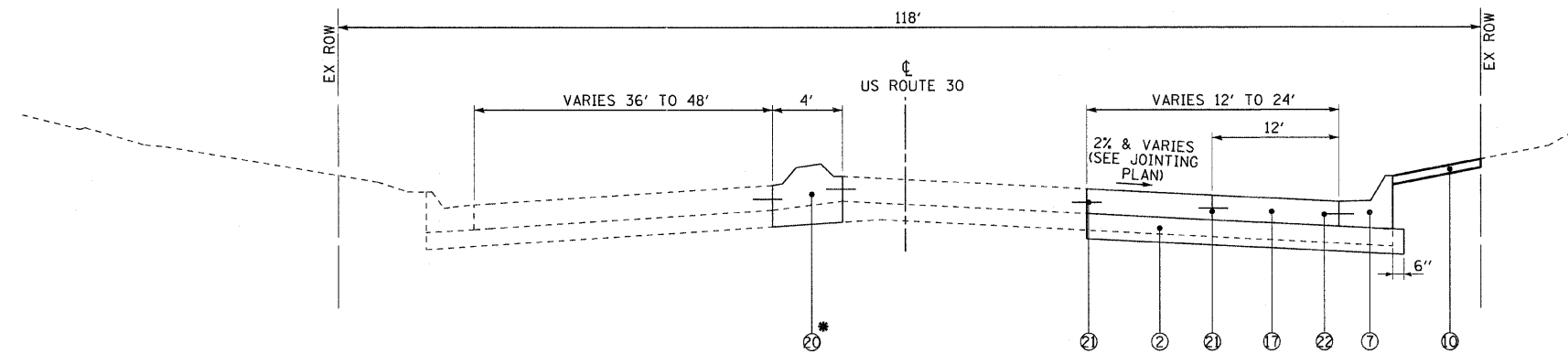
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F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2836	06-00090-00-FP	COOK	200	13
CONTRACT NO. 63635				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-8003661				



**EXISTING TYPICAL SECTION
US ROUTE 30 (LINCOLN HIGHWAY)**

STA 703+75 TO STA 705+60



**PROPOSED TYPICAL SECTION
US ROUTE 30 (LINCOLN HIGHWAY)**

STA 703+75 TO STA 705+60

* STA 704+07 TO STA 704+17
STA 705+45 TO STA 705+58

EXISTING LEGEND

- A HMA PAVEMENT (VARIES 5"-7")
- B PCC BASE COURSE (AVG. DEPTH 8")
- C AGGREGATE BASE COURSE (VARIES 6"-11")
- D COMBINATION CONCRETE CURB AND GUTTER
- E CONCRETE CURB
- F SIDEWALK
- G PCC PAVEMENT, 10"
- H HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
- I PAVEMENT REMOVAL
- J CONCRETE MEDIAN
- ITEM TO BE REMOVED

PROPOSED LEGEND

- 1 HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 8"
- 2 AGGREGATE SUBGRADE 12"
- 3 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 1 1/2"
- 4 HOT-MIX ASPHALT BASE COURSE, 6"
- 5 AGGREGATE BASE COURSE, TYPE B 4"
- 6 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- 7 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- 8 CONCRETE CURB, TYPE B
- 9 PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
- 10 TOPSOIL FURNISH & PLACE, 4"
(SEE LANDSCAPING PLANS FOR SEEDING & SODDING LOCATIONS)
- 11 CLASS D PATCHES, 6"
- 12 POLYMERIZED LEVELING BINDER (MACHINE METHOD), 1L-4.75, N50 3/4" MIN
- 13 POROUS GRANULAR EMBANKMENT, SUBGRADE 6-INCH
- 14 PCC BASE COURSE WIDENING, 6"
- 15 CONCRETE MEDIAN, TYPE SB-6.12
- 16 CLASS B PATCHES
- 17 PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED)
- 18 STRIP REFLECTIVE CRACK CONTROL
- 19 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 2 1/4"
- 20 CONCRETE MEDIAN, TYPE M-2.12
- 21 CONSTRUCTION JOINT WITH TIE BARS (INCLUDED IN THE COST OF THE PROPOSED PAVEMENT)
- 22 TIE BARS (INCLUDED IN THE COST OF THE PROPOSED CURB AND GUTTER)

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 PROJECT: ILLINOIS STATE ROAD DISTRICT NO. 1
 FILE: 060670-PH2-TYPICAL.dwg



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DATE - 8/22/11	FILE - 060670-PH2-TYPICAL.dwg

**STATE OF ILLINOIS
ORCHARD DRIVE IMPROVEMENTS**

TYPICAL SECTIONS

SCALE: STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2836	06-00090-00-FP	COOK	200	14
CONTRACT NO. 63635				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-800366J				

ORCHARD DRIVE SUPERELEVATION TRANSITIONS	
CROSS-SLOPE	LOCATION
(MATCH EXISTING)	STA 116+68 TO STA 118+56
(MATCH EXISTING)	STA 123+48 TO STA 125+66
(MATCH EXISTING)	STA 132+08 TO STA 136+00
2.0% \circ 2.0%	STA 136+00 TO STA 147+45
0.0% \circ 2.0%	STA 148+05
2.0% \circ 2.0%	STA 148+70 TO STA 152+15
0.0% \circ 2.0%	STA 152+75
2.0% \circ 2.0%	STA 153+35 TO STA 154+45
2.0% \circ 0.0%	STA 155+05
2.0% \circ 2.0%	STA 155+65 TO STA 159+00
2.0% \circ 0.0%	STA 159+60
2.0% \circ 2.0%	STA 160+20 TO STA 165+85
1.0% \circ 1.0%	STA 166+00 TO STA 167+00
2.0% \circ 2.0%	STA 167+15 TO STA 170+85
1.5% \circ 1.5%	STA 171+00 TO STA 175+00
2.0% \circ 2.0%	STA 175+15 TO STA 177+15
2.0% \circ 0.0%	STA 177+75
2.0% \circ 2.0%	STA 178+35 TO STA 181+10
2.0% \circ 0.0%	STA 181+70
2.0% \circ 2.0%	STA 182+30 TO STA 183+75
0.0% \circ 2.0%	STA 184+35
2.0% \circ 2.0%	STA 184+95 TO STA 187+40
0.0% \circ 0.0%	STA 188+00
2.0% \circ 2.0%	STA 188+50
4.0% \circ 4.0%	STA 189+50 TO STA 192+25
2.0% \circ 0.0%	STA 193+25
2.0% \circ 2.0%	STA 193+75 TO STA 216+50

(LOOKING NORTH)

○ = PGL AND AXIS OF ROTATION

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

THE CONTRACTOR SHALL MILL BEFORE PATCHING

MIXTURE TYPE	VOIDS
RESURFACING	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5mm) - 1 1/2"	4% @ 50 GYR
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75 N50	4% @ 50 GYR
RECONSTRUCTION	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5mm) - 2"	4% @ 50 GYR
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19mm) - 6" (IN 2 LIFTS)	4% @ 70 GYR
PAVEMENT WIDENING	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5mm) - 1 1/2"	4% @ 50 GYR
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75 N50	4% @ 50 GYR
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19mm) - 6" (IN 2 LIFTS)	4% @ 70 GYR
PATCHING	
CLASS D PATCHES (HMA BINDER IL-19mm); TYPE I-IV - 4"	4% @ 70 GYR
HOT-MIX ASPHALT BIKE PATH	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5mm)	4% @ 50 GYR

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

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STATE OF ILLINOIS ORCHARD DRIVE IMPROVEMENTS

TYPICAL SECTIONS

SCALE: STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2836	06-00090-00-FP	COOK	200	15
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63635	
			M-8003661	

EARTHWORK

EARTHWORK							
LOCATION STA TO STA	UNDERCUT AND PGE REPLACEMENT (CU YD)	UNSUITABLE EXCAVATION (TOPSOIL) (CU YD)	REMOVAL & DISPOSAL OF UNSUITABLE MATERIAL (CU YD)	EARTH EXCAVATION (CU YD)	EXCAVATION TO BE USED IN EMBANKMENT (15% SHRINKAGE) (CU YD)	EMBANKMENT (CU YD)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CU YD)
ORCHARD DRIVE							
STA 100+35 TO STA 116+68 (SIDEWALK)	-	56	56	190	162	-	162
STA 116+68 TO STA 118+56 (INDIANWOOD BLVD)	16	20	36	101	86	15	71
STA 118+56 TO STA 123+48 (SIDEWALK)	-	15	15	25	22	-	22
STA 123+48 TO STA 125+66 (MAIN STREET)	16	25	41	110	94	20	74
STA 118+56 TO STA 123+48 (SIDEWALK)	-	25	25	45	39	-	39
STA 132+08 TO STA 145+80 (RESURFACING)	62	565	627	482	410	267	143
STA 145+80 TO STA 159+30 (RECONSTRUCTION)	1,507	523	2,030	2,923	2,485	447	2,038
STA 159+30 TO STA 181+97 (RESURFACING)	99	617	716	839	714	446	268
STA 181+97 TO STA 197+26 (RECONSTRUCTION)	752	374	1,126	3,357	2,854	276	2,578
STA 197+26 TO STA 217+60 (RESURFACING)	89	773	862	788	670	251	419
TOTAL	2,540	2,995	5,535	8,860	7,535	1,720	5,815

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**STATE OF ILLINOIS
ORCHARD DRIVE IMPROVEMENTS**

SCHEDULE OF QUANTITIES

SCALE: NONE

STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2836	06-00090-00-FP	COOK	200	16
CONTRACT NO. 63635				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-8003(661)				

TREES

	A2002916	A2004568	A2005316	A2007816	A2008453	B2006316
	TREE, CELTIS OCCIDENTALIS (COMMON HACKBERRY), 2" CALIPER, BALLED AND BURLAPPED	TREE, GINKGO BILOBA MAGYAR ARISTOCRAT (MAGYAR ARISTOCRAT GINKO), TREE FORM, 3" CALIPER BALLED AND BURLAPPED	TREE, LIQUIDAMBAR STYRACIFLUA (AMERICAN SWEETGUM), 2" CALIPER, BALLED AND BURLAPPED	TREE, TILIA AMERICANA (AMERICAN LINDEN/ BASSWOOD), 2" CALIPER, BALLED AND BURLAPPED	TREE, ULMUS ACCOLADE (HYBRID ELM), 3" CALIPER, BALLED AND BURLAPPED	TREE, SYRINGA RETICULATA IVORY SILK (IVORY SILK JAPANESE TREE LILAC), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED
STA LT / RT	EACH	EACH	EACH	EACH	EACH	EACH
118+75 LT	1					
138+40 RT		1				
138+70 RT			1			
139+00 RT				1		
139+35 RT					1	
140+50 RT						1
155+40 RT	1					
156+50 RT		1				
158+00 RT			1			
163+65 RT				1		
175+20 RT					1	
175+70 RT	1					
176+40 LT				1		
176+95 LT					1	
177+20 RT		1				
177+70 RT			1			
180+40 RT						1
180+75 RT						1
181+81 RT						1
190+75 LT	1					
191+50 LT		1				
192+50 LT			1			
193+50 LT				1		
198+30 LT					1	
199+15 LT	1					
199+40 LT		1				
199+80 LT			1			
201+05 LT				1		
202+50 LT					1	
203+00 LT	1					
203+60 LT		1				
205+40 LT						1
206+85 RT	1					
207+15 RT		1				
207+85 RT			1			
208+30 LT			1			
208+45 RT				1		
209+00 RT					1	
209+05 LT				1		
209+50 RT						1
209+65 LT					1	
210+15 RT	1					
210+40 LT						1
210+60 RT		1				
210+90 RT			1			
211+35 RT				1		
211+80 RT					1	
212+10 RT						1
212+30 LT				1		
213+00 RT	1					
213+35 RT		1				
213+70 RT			1			
214+05 RT				1		
214+40 RT					1	
214+75 RT						1
215+25 RT	1					
215+70 RT		1				
216+15 RT			1			
TOTALS	10 EACH	10 EACH	10 EACH	10 EACH	9 EACH	9 EACH

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STATE OF ILLINOIS ORCHARD DRIVE IMPROVEMENTS

SCHEDULE OF QUANTITIES

SCALE: STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2836	06-0090-00-FP	COOK	200	17
CONTRACT NO. 63635				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-8003661				

THERMOPLASTIC PAVEMENT MARKINGS

	78000100	78000200	78000400	78000600	78000650	78100100	78,008,200	78008230	78008270
	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	RAISED REFLECTIVE PAVEMENT MARKER	POLYUREA PAVEMENT MARKING TYPE I - LETTERS AND SYMBOLS	POLYUREA PAVEMENT MARKING TYPE I - LINE 6"	POLYUREA PAVEMENT MARKING TYPE I - LINE 24"
LOCATION	SQ FT	FOOT	FOOT	FOOT	FOOT	EACH	SQ FT	FOOT	FOOT
INDIANWOOD BLVD. & ORCHARD DR.		120.00	640		125				
MAIN STREET & ORCHARD DR.	16	50	675		125				
STA 132+08 TO LAKEWOOD BLVD.	36	100	300		40				
LAKEWOOD BLVD. - EAST LEG		150	210		35				
LAKEWOOD BLVD. - WEST LEG	36	170	225		35				
LAKEWOOD BLVD. TO CUNNINGHAM LANE	174	6,010	310	290	30				
CUNNINGHAM LANE TO WESTWOOD BLVD	251	10,765	430	275	30	20			
WESTWOOD BLVD - EAST LEG	36	50	105		25				
WESTWOOD BLVD - WEST LEG	36	80	125		25				
WESTWOOD BLVD TO NORTH STREET	287	9,005	640	105	65				
NORTH STREET - EAST LEG		180			25				
NORTH STREET - WEST LEG		170	185		25				
NORTH STREET TO INDIANA STREET	262	6,397	579	225	80				
INDIANA STREET - EAST LEG	36	120	65	115	25				
INDIANA STREET - WEST LEG	36	120	60	105	25				
INDIANA STREET TO ILLINOIS STREET	237	4,330	375	325	70	29			
ILLINOIS STREET - EAST LEG	36	100	50	100	25				
ILLINOIS STREET - WEST LEG	36	110	55	100	25				
ILLINOIS STREET TO SEWARD AVENUE	199	2,915	190	160	30	18			
SEWARD AVENUE TO U.S. ROUTE 30	146	130.0	471	30			109	419	175
TOTALS	1,862	41,072	5,690	1,830	865	67	109	419	175
	SQ FT	FOOT	FOOT	FOOT	FOOT	EACH	SQ FT	FOOT	FOOT

SIDEWALK

STATION BEGIN	STATION END	44000600 SIDEWALK REMOVAL (SQ FT)	42400200 PCC SIDEWALK 5 INCH, (SQ FT)	42400300 PCC SIDEWALK 6 INCH, (SQ FT)	42400410 PCC SIDEWALK 8 INCH, (SQ FT)	42400800 DETECTABLE WARNINGS (SQ FT)	AGGREGATE BASE COURSE, TYPE B 4" (SQ YD)
100+35 LT	103+25 LT	1,188	1,103	85	-	31	132
100+35 RT	103+25 RT	1,224	1,139	85	-	28	136
103+25 LT	111+26 LT	3,636	3,474	162	-	-	404
103+25 RT	111+26 RT	3,357	3,200	157	-	-	373
111+26 LT	114+19 LT	1,296	1,110	186	-	-	144
111+26 RT	114+19 RT	1,134	1,134	-	-	-	126
114+19 LT	116+80 LT	1,701	1,651	50	-	20	189
114+19 RT	116+80 RT	1,854	1,476	378	-	38	206
116+80 LT	124+59 LT	2,953	2,853	-	-	36	317
116+80 RT	124+59 RT	760	522	-	-	50	58
124+59 LT	134+32 LT	4,212	4,212	-	-	58	468
124+59 RT	134+32 RT	1,610	1,503	-	-	20	167
134+32 LT	165+54 LT	16,430	15,542	-	685	50	1,803
134+32 RT	165+54 RT	15,905	15,171	434	100	73	1,745
165+54 LT	183+17 LT	9,650	9,621	-	-	41	1,069
165+54 RT	183+17 RT	400	261	-	-	33	29
183+17 LT	196+26 LT	6,606	6,556	50	-	44	734
183+17 RT	196+26 RT	1,977	1,607	220	-	30	203
196+26 LT	206+09 LT	5,100	4,055	841	-	40	544
196+26 RT	206+09 RT	4,950	4,172	670	-	40	538
206+09 LT	214+58 LT	3,372	2,842	380	-	30	358
206+09 RT	214+58 RT	3,920	3,088	450	260	20	422
214+58 LT	217+48 LT	1,865	1,765	340	55	20	240
214+58 RT	217+48 RT	2,150	3,393	-	-	10	377
TOTALS		97,250	91,450	4,488	1,100	712	10,782
		(SQ FT)	(SQ FT)	(SQ FT)	(SQ FT)	(SQ FT)	(SQ YD)

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STATE OF ILLINOIS ORCHARD DRIVE IMPROVEMENTS

SCHEDULE OF QUANTITIES

SCALE: _____ STA. _____ TO STA. _____

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2836	06-00090-00-FP	COOK	200	21
CONTRACT NO. 63635				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-8003661				

DRIVEWAY

STATION	EXIST DRIVEWAY APRON (TYPE)	PRIV. OR COMM.	DRIVEWAY PAVEMENT AREA (SQ YD)	44000200 DRIVEWAY PAVEMENT REMOVAL (SQ YD)	35101600 AGGREGATE BASE COURSE, TYPE B 4" (SQ YD)	42300200 PCC DW. PVT. 6" (SQ YD)	42300400 PCC DW. PVT. 8" (SQ YD)	X4021000 TEMPORARY ACCESS (PRIVATE ENTRANCE) (EACH)	X4022000 TEMPORARY ACCESS (COMMERCIAL ENTRANCE) (EACH)
101+28 RT	HMA	PE	-	-	-	-	-	-	-
101+70 LT	PCC	PE	11	10	11	11	-	1	-
101+93 RT	PCC	PE	11	11	11	11	-	1	-
102+33 LT	HMA	PE	-	-	-	-	-	-	-
103+25 LT	PCC	PE	30	30	30	30	-	1	-
104+67 RT	PCC	PE	9	9	9	9	-	1	-
105+28/105+42 RT	PCC	PE	16	16	16	16	-	1	-
106+13 LT	HMA	PE	-	-	-	-	-	-	-
106+48/106+62 RT	PCC	PE	17	17	17	17	-	1	-
106+603 LT	PCC	PE	10	10	10	10	-	1	-
107+68/107+82 LT	HMA	PE	-	-	-	-	-	-	-
107+68/107+82 RT	PCC	PE	16	16	16	16	-	1	-
108+75/108+88 RT	HMA	PE	-	-	-	-	-	-	-
109+09/109+19 LT	PCC	PE	16	16	16	16	-	1	-
109+85 RT	PCC	PE	9	9	9	9	-	1	-
110+11 RT	PCC	PE	9	9	9	9	-	1	-
110+32 LT	HMA	PE	-	-	-	-	-	-	-
110+99 LT	HMA	PE	-	-	-	-	-	-	-
111+58/111+72 LT	PCC	PE	18	18	18	18	-	1	-
112+65 LT	PCC	PE	11	11	11	11	-	1	-
113+97 RT	HMA	PE	-	-	-	-	-	-	-
115+35 RT	HMA	PE	-	-	-	-	-	-	-
116+08 LT	HMA	PE	-	-	-	-	-	-	-
116+32 LT	PCC	PE	10	10	10	10	-	1	-
116+67 RT	HMA	PE	-	-	-	-	-	-	-
127+79 LT	HMA	PE	-	-	-	-	-	-	-
137+87 LT	PCC	CE	80	80	80	-	80	-	1
139+42 LT	PCC	CE	-	30	-	-	-	-	-
142+64 LT	PCC	CE	53	53	53	-	53	-	1
143+79 LT	PCC	CE	68	68	68	-	68	-	1
145+58 LT	PCC	CE	84	84	84	-	84	-	1
148+63 RT	PCC	CE	50	50	50	-	50	-	1
149+76 LT	PCC	CE	20	20	20	-	20	-	1
161+35 RT	PCC	PE	43	23	43	43	-	1	-
162+00 RT	PCC	PE	56	49	56	56	-	1	-
162+55 LT	PCC	CE	82	64	82	-	82	-	1
162+58 RT	PCC	PE	50	42	50	50	-	1	-
163+16/163+41 RT	PCC	PE	106	101	106	106	-	1	-
164+27 RT	PCC	PE	39	27	39	39	-	1	-
182+83 RT	PCC	CE	90	90	90	-	90	-	1
192+28 RT	PCC	PE	38	30	38	38	-	1	-
193+06 RT	PCC	PE	51	42	51	51	-	1	-
193+67 RT	PCC	PE	41	28	41	41	-	1	-
194+26 RT	PCC	PE	52	47	52	52	-	1	-
195+38 LT	PCC	PE	41	28	41	41	-	1	-

STATION	EXIST DRIVEWAY APRON (TYPE)	PRIV. OR COMM.	DRIVEWAY PAVEMENT AREA (SQ YD)	44000200 DRIVEWAY PAVEMENT REMOVAL (SQ YD)	35101600 AGGREGATE BASE COURSE, TYPE B 4" (SQ YD)	42300200 PCC DW. PVT. 6" (SQ YD)	42300400 PCC DW. PVT. 8" (SQ YD)	X4021000 TEMPORARY ACCESS (PRIVATE ENTRANCE) (EACH)	X4022000 TEMPORARY ACCESS (COMMERCIAL ENTRANCE) (EACH)
197+03 RT	PCC	PE	39	39	39	39	-	1	-
197+63 LT	PCC	PE	56	44	46	56	-	1	-
197+64 RT	PCC	PE	39	32	39	39	-	1	-
198+67 RT	PCC	PE	36	26	36	36	-	1	-
198+80 LT	PCC	PE	37	28	37	37	-	1	-
199+29 RT	PCC	PE	37	29	37	37	-	1	-
199+57 LT	PCC	PE	36	29	36	36	-	1	-
199+96/200+11 RT	PCC	PE	73	67	73	73	-	1	-
200+06 LT	PCC	PE	44	39	44	44	-	1	-
200+78 LT	PCC	PE	38	29	38	38	-	1	-
201+32 RT	PCC	PE	38	32	38	38	-	1	-
201+36/201+51 LT	PCC	PE	72	70	72	72	-	1	-
202+02 RT	PCC	PE	37	29	37	37	-	1	-
202+16 LT	PCC	PE	57	52	57	57	-	1	-
202+71 RT	PCC	PE	36	28	36	36	-	1	-
202+78 LT	PCC	PE	37	30	37	37	-	1	-
202+87 RT	PCC	PE	37	31	37	37	-	1	-
203+29 LT	PCC	PE	40	35	40	40	-	1	-
203+53 RT	PCC	PE	37	29	37	37	-	1	-
203+94 LT	PCC	PE	54	45	54	54	-	1	-
204+80 RT	PCC	PE	42	36	42	42	-	1	-
204+96/205+10 LT	PCC	PE	76	70	76	76	-	1	-
207+63 RT	PCC	PE	39	29	39	39	-	1	-
207+98 LT	PCC	PE	44	39	44	44	-	1	-
208+17 RT	PCC	PE	39	28	39	39	-	1	-
208+61 LT	PCC	PE	42	39	42	42	-	1	-
208+74 RT	PCC	PE	43	41	43	43	-	1	-
209+27 RT	PCC	PE	39	36	39	39	-	1	-
209+36 LT	PCC	PE	40	30	40	40	-	1	-
209+83 RT	PCC	PE	46	41	46	46	-	1	-
210+04 LT	PCC	PE	40	30	40	40	-	1	-
210+43 RT	PCC	PE	40	29	40	40	-	1	-
210+65 LT	PCC	PE	39	28	39	39	-	1	-
211+04 RT	PCC	PE	40	30	40	40	-	1	-
211+25 LT	PCC	PE	39	29	39	39	-	1	-
211+62 RT	PCC	PE	40	29	40	40	-	1	-
211+87 LT	PCC	PE	37	29	37	37	-	1	-
212+59 RT	PCC	CE	86	92	86	-	86	-	1
214+07 LT	PCC	PE	74	74	74	74	-	1	-
215+00 LT	PCC	PE	29	21	29	29	-	1	-
215+67 LT	PCC	PE	29	24	29	29	-	1	-
216+14 LT	PCC	PE	31	29	31	31	-	1	-
216+70 LT	PCC	CE	23	23	23	-	23	-	1

TOTALS				2,747	3,104	2,478	636	65	10
				(SQ YD)	(SQ YD)	(SQ YD)	(SQ YD)	(EACH)	(EACH)

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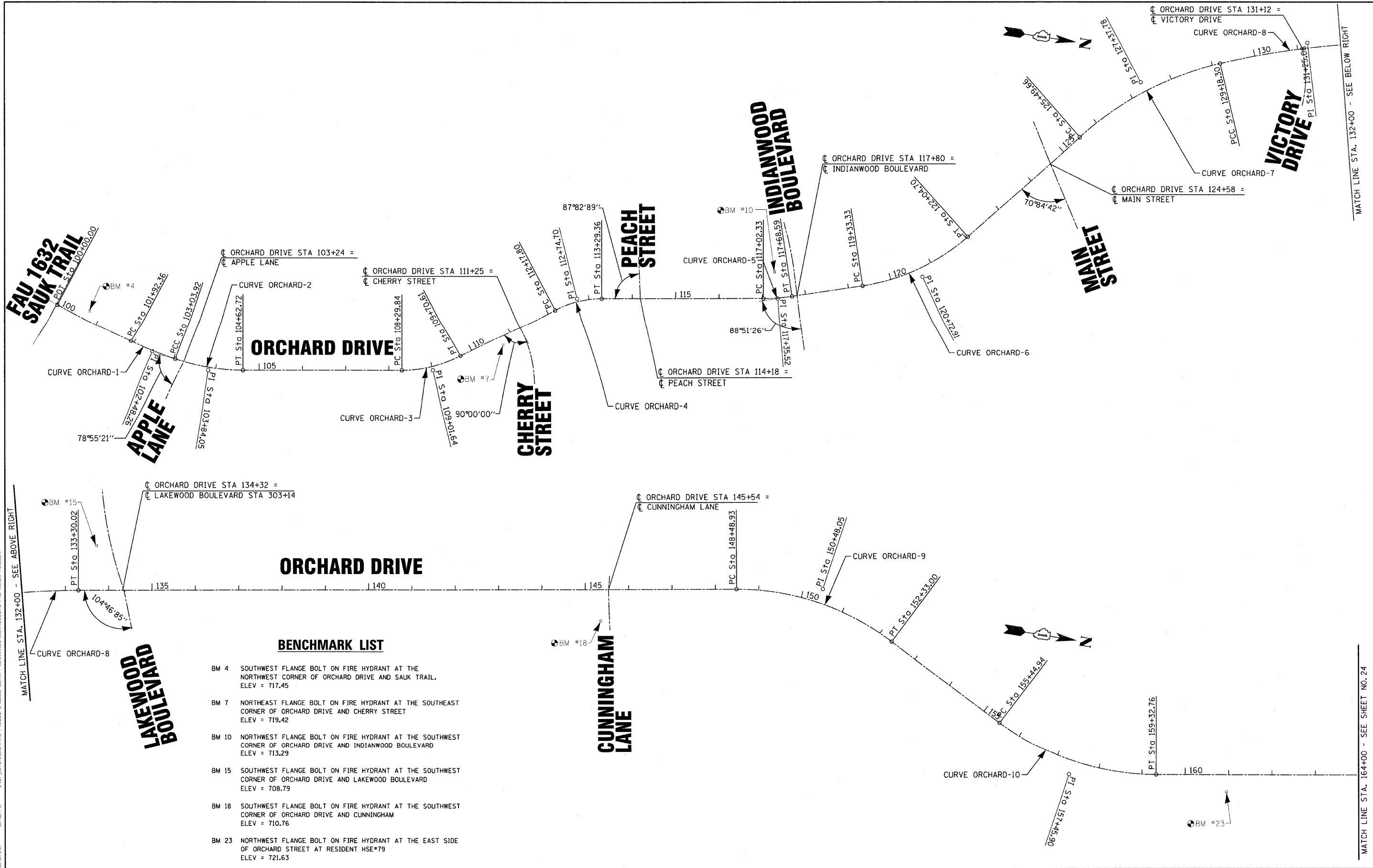
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CHECKED - TAO	REVISED -
DATE - 10/24/11	FILE - 060670-PH2-SCHEDULE.sht

STATE OF ILLINOIS ORCHARD DRIVE IMPROVEMENTS

SCHEDULE OF QUANTITIES

SCALE: _____ STA. _____ TO STA. _____

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2836	06-00090-00-FP	COOK	200	22
CONTRACT NO. 63635				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-8003661				



MATCH LINE STA. 132+00 - SEE ABOVE RIGHT

MATCH LINE STA. 132+00 - SEE BELOW RIGHT

MATCH LINE STA. 164+00 - SEE SHEET NO. 24

BENCHMARK LIST

- BM 4 SOUTHWEST FLANGE BOLT ON FIRE HYDRANT AT THE NORTHWEST CORNER OF ORCHARD DRIVE AND SAUK TRAIL. ELEV = 717.45
- BM 7 NORTHEAST FLANGE BOLT ON FIRE HYDRANT AT THE SOUTHEAST CORNER OF ORCHARD DRIVE AND CHERRY STREET ELEV = 719.42
- BM 10 NORTHWEST FLANGE BOLT ON FIRE HYDRANT AT THE SOUTHWEST CORNER OF ORCHARD DRIVE AND INDIANWOOD BOULEVARD ELEV = 713.29
- BM 15 SOUTHWEST FLANGE BOLT ON FIRE HYDRANT AT THE SOUTHWEST CORNER OF ORCHARD DRIVE AND LAKEWOOD BOULEVARD ELEV = 708.79
- BM 18 SOUTHWEST FLANGE BOLT ON FIRE HYDRANT AT THE SOUTHWEST CORNER OF ORCHARD DRIVE AND CUNNINGHAM ELEV = 710.76
- BM 23 NORTHWEST FLANGE BOLT ON FIRE HYDRANT AT THE EAST SIDE OF ORCHARD STREET AT RESIDENT HSE#79 ELEV = 721.63

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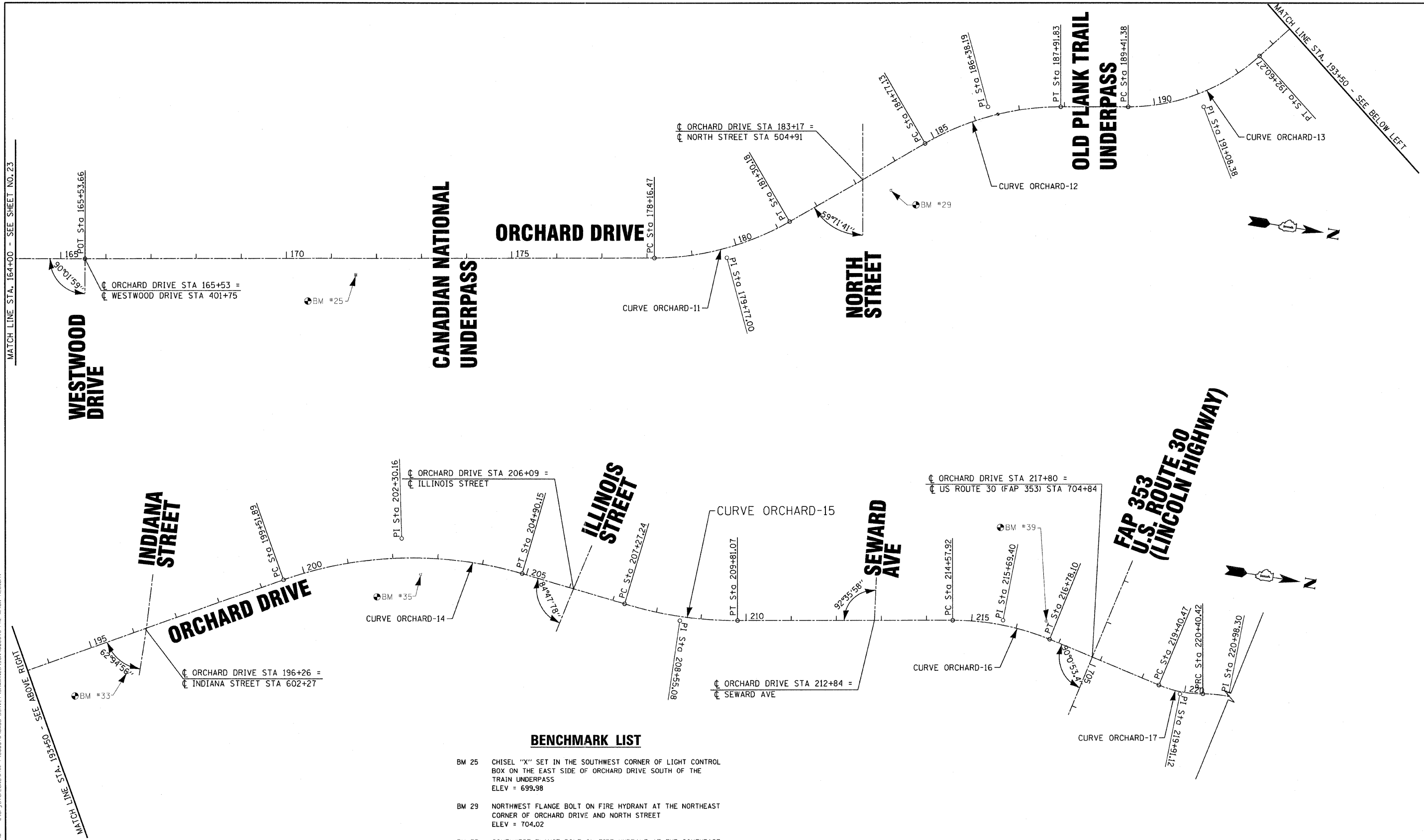
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DATE - 10/24/11	FILE - 060670-PH2-ALIGN-TIES1.spl

**STATE OF ILLINOIS
ORCHARD DRIVE IMPROVEMENTS**

ALIGNMENT AND BENCHMARKS

SCALE: 1"=100'
STA. 100+00 TO STA. 164+00

F.A.U. RTE. 2836	SECTION 06-00090-00-FP	COUNTY COOK	TOTAL SHEETS 200	SHEET NO. 23
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT M-8003(661)		
CONTRACT NO. 63635				



MATCH LINE STA. 164+00 - SEE SHEET NO. 23

MATCH LINE STA. 193+50 - SEE ABOVE RIGHT

BENCHMARK LIST

- BM 25 CHISEL "X" SET IN THE SOUTHWEST CORNER OF LIGHT CONTROL BOX ON THE EAST SIDE OF ORCHARD DRIVE SOUTH OF THE TRAIN UNDERPASS
ELEV = 699.98
- BM 29 NORTHWEST FLANGE BOLT ON FIRE HYDRANT AT THE NORTHEAST CORNER OF ORCHARD DRIVE AND NORTH STREET
ELEV = 704.02
- BM 33 SOUTHWEST FLANGE BOLT ON FIRE HYDRANT AT THE SOUTHEAST CORNER OF ORCHARD DRIVE AND INDIANA STREET
ELEV = 706.15
- BM 35 NORTHWEST FLANGE BOLT ON FIRE HYDRANT AT THE EAST SIDE OF ORCHARD DRIVE AT RESIDENT HSE*319
ELEV = 706.24

**STATE OF ILLINOIS
ORCHARD DRIVE IMPROVEMENTS**

ALIGNMENT AND BENCHMARKS

DESIGNED - TLH	REVISED -
DRAWN - LKB	REVISED -
CHECKED - TAO	REVISED -
DATE - 10/24/11	FILE - 060670-PH2-ALIGN-TIES1.sht

SCALE: 1"=100'

STA. 164+00 TO STA. 220+40

F.A.J. RTE. 2836	SECTION 06-00090-00-FP	COUNTY COOK	TOTAL SHEETS 200	SHEET NO. 24
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT		CONTRACT NO. 63635
M-80036661				

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 NO. - 84-0237208
 PROJECT NO. - 060670-PH2-ALIGN-TIES1.sht
 DATE - 10/24/11



ORCHARD DRIVE ALIGNMENT

Point ORCHARD1 N 1,752,286.46 E 1,162,783.60 Sta
100+00.00
Course from ORCHARD1 to PC ORCHARD-1 N 27° 28' 31.32" E Dist 192.36

Curve Data

Curve ORCHARD-1
P.I. Station 102+48.26 N 1,752,506.71 E
1,162,898.14
Delta = 9° 07' 53.46" (LT)
Degree = 8° 11' 06.40"
Tangent = 55.90
Length = 111.56
Radius = 700.00
External = 2.23
Long Chord = 111.44
Mid. Ord. = 2.22
P.C. Station 101+92.36 N 1,752,457.12 E
1,162,872.35
P.T. Station 103+03.92 N 1,752,559.77 E
1,162,915.73
C.C. N 1,752,780.08 E
1,162,251.31
Back = N 27° 28' 31.32" E
Ahead = N 18° 20' 37.86" E
Chord Bear = N 22° 54' 34.59" E

Curve ORCHARD-4
P.I. Station 112+74.70 N 1,753,485.43 E
1,162,756.48
Delta = 27° 47' 27.92" (RT)
Degree = 24° 54' 40.35"
Tangent = 56.90
Length = 111.56
Radius = 230.00
External = 6.93
Long Chord = 110.47
Mid. Ord. = 6.73
P.C. Station 112+17.80 N 1,753,435.39 E
1,162,783.57
P.T. Station 113+29.36 N 1,753,542.33 E
1,162,755.86
C.C. N 1,753,544.87 E
1,162,985.84
Back = N 28° 25' 29.91" W
Ahead = N 0° 38' 01.98" W
Chord Bear = N 14° 31' 45.94" W

Course from PT ORCHARD-4 to PC ORCHARD-5 N 0° 38' 01.98" W Dist 372.97

Curve ORCHARD-7
P.I. Station 127+37.78 N 1,754,780.45 E
1,162,246.73
Delta = 28° 09' 40.90" (RT)
Degree = 7° 38' 21.97"
Tangent = 188.12
Length = 368.63
Radius = 750.00
External = 23.23
Long Chord = 364.93
Mid. Ord. = 22.53
P.C. Station 125+49.66 N 1,754,640.99 E
1,162,372.97
P.T. Station 129+18.30 N 1,754,962.99 E
1,162,201.25
C.C. N 1,755,144.31 E
1,162,929.00
Back = N 42° 09' 06.54" W
Ahead = N 13° 59' 25.63" W
Chord Bear = N 28° 04' 16.09" W

Curve ORCHARD-10
P.I. Station 157+45.90 N 1,757,659.92 E
1,162,552.46
Delta = 37° 02' 03.19" (LT)
Degree = 9° 32' 57.47"
Tangent = 200.96
Length = 387.82
Radius = 600.00
External = 32.76
Long Chord = 381.11
Mid. Ord. = 31.06
P.C. Station 155+44.94 N 1,757,498.59 E
1,162,432.63
P.T. Station 159+32.76 N 1,757,860.87 E
1,162,550.94
C.C. N 1,757,856.35 E
1,161,950.96
Back = N 36° 36' 09.77" E
Ahead = N 0° 25' 53.42" W
Chord Bear = N 18° 05' 08.18" E

Course from PT ORCHARD-10 to ORCHARD2 N 0° 25' 53.42" W Dist 620.90

Point ORCHARD2 N 1,758,481.75 E 1,162,546.27 Sta
165+53.66

Course from ORCHARD2 to PC ORCHARD-11 N 0° 43' 03.31" W Dist 1,262.81

Curve ORCHARD-2
P.I. Station 103+84.05 N 1,752,635.83 E
1,162,940.95
Delta = 18° 57' 20.69" (LT)
Degree = 11° 56' 11.83"
Tangent = 80.13
Length = 158.80
Radius = 480.00
External = 6.64
Long Chord = 158.08
Mid. Ord. = 6.55
P.C. Station 103+03.92 N 1,752,559.77 E
1,162,915.73
P.T. Station 104+62.72 N 1,752,715.96 E
1,162,940.10
C.C. N 1,752,710.84 E
1,162,460.13
Back = N 18° 20' 37.86" E
Ahead = N 0° 36' 42.83" W
Chord Bear = N 8° 51' 57.52" E

Course from PT ORCHARD-2 to PC ORCHARD-3 N 0° 36' 42.83" W Dist 367.12

Curve ORCHARD-5
P.I. Station 117+35.52 N 1,753,948.46 E
1,162,751.36
Delta = 8° 26' 10.53" (LT)
Degree = 12° 43' 56.62"
Tangent = 33.19
Length = 66.26
Radius = 450.00
External = 1.22
Long Chord = 66.20
Mid. Ord. = 1.22
P.C. Station 117+02.33 N 1,753,915.28 E
1,162,751.73
P.T. Station 117+68.59 N 1,753,981.24 E
1,162,746.13
C.C. N 1,753,910.30 E
1,163,301.76
Back = N 0° 38' 01.98" W
Ahead = N 9° 04' 12.51" W
Chord Bear = N 4° 51' 07.25" W

Course from PT ORCHARD-5 to PC ORCHARD-6 N 9° 04' 12.51" W Dist 164.74

Curve ORCHARD-8
P.I. Station 131+25.08 N 1,755,163.64 E
1,162,151.26
Delta = 13° 17' 43.69" (RT)
Degree = 3° 13' 45.32"
Tangent = 206.79
Length = 411.72
Radius = 1,774.27
External = 12.01
Long Chord = 410.80
Mid. Ord. = 11.93
P.C. Station 129+18.30 N 1,754,962.99 E
1,162,201.25
P.T. Station 133+30.02 N 1,755,370.42 E
1,162,148.75
C.C. N 1,755,391.94 E
1,163,922.89
Back = N 13° 59' 25.63" W
Ahead = N 0° 41' 41.94" W
Chord Bear = N 7° 20' 33.79" W

Course from PT ORCHARD-8 to PC ORCHARD-9 N 0° 41' 41.94" W Dist 1,518.91

Curve ORCHARD-11
P.I. Station 179+77.00 N 1,759,904.98 E
1,162,528.44
Delta = 29° 57' 24.07" (LT)
Degree = 9° 32' 57.47"
Tangent = 160.53
Length = 313.71
Radius = 600.00
External = 21.10
Long Chord = 310.14
Mid. Ord. = 20.39
P.C. Station 178+16.47 N 1,759,744.46 E
1,162,530.45
P.T. Station 181+30.18 N 1,760,043.04 E
1,162,446.55
C.C. N 1,759,736.95 E
1,161,930.50
Back = N 0° 43' 03.31" W
Ahead = N 30° 40' 27.38" W
Chord Bear = N 15° 41' 45.34" W

Course from PT ORCHARD-11 to PC ORCHARD-12 N 30° 40' 27.38" W Dist 346.95

Curve ORCHARD-3
P.I. Station 109+01.64 N 1,753,154.86 E
1,162,935.41
Delta = 27° 48' 47.08" (LT)
Degree = 19° 45' 25.80"
Tangent = 71.80
Length = 140.77
Radius = 290.00
External = 8.76
Long Chord = 139.40
Mid. Ord. = 8.50
P.C. Station 108+29.84 N 1,753,083.06 E
1,162,936.18
P.T. Station 109+70.61 N 1,753,218.00 E
1,162,901.23
C.C. N 1,753,079.96 E
1,162,646.19
Back = N 0° 36' 42.83" W
Ahead = N 28° 25' 29.91" W
Chord Bear = N 14° 31' 06.37" W

Course from PT ORCHARD-3 to PC ORCHARD-4 N 28° 25' 29.91" W Dist 247.19

Curve ORCHARD-6
P.I. Station 120+72.91 N 1,754,281.75 E
1,162,698.16
Delta = 33° 04' 54.03" (LT)
Degree = 12° 11' 26.13"
Tangent = 139.58
Length = 271.37
Radius = 470.00
External = 20.29
Long Chord = 267.62
Mid. Ord. = 19.45
P.C. Station 119+33.33 N 1,754,143.91 E
1,162,720.16
P.T. Station 122+04.70 N 1,754,385.24 E
1,162,604.48
C.C. N 1,754,069.82 E
1,162,256.04
Back = N 9° 04' 12.51" W
Ahead = N 42° 09' 06.54" W
Chord Bear = N 25° 36' 39.53" W

Course from PT ORCHARD-6 to PC ORCHARD-7 N 42° 09' 06.54" W Dist 344.97

Curve ORCHARD-9
P.I. Station 150+48.05 N 1,757,088.32 E
1,162,127.91
Delta = 37° 17' 51.71" (RT)
Degree = 9° 42' 40.14"
Tangent = 199.12
Length = 384.07
Radius = 590.00
External = 32.69
Long Chord = 377.33
Mid. Ord. = 30.98
P.C. Station 148+48.93 N 1,756,889.22 E
1,162,130.32
P.T. Station 152+33.00 N 1,757,248.17 E
1,162,246.64
C.C. N 1,756,896.37 E
1,162,720.28
Back = N 0° 41' 41.94" W
Ahead = N 36° 36' 09.77" E
Chord Bear = N 17° 57' 13.92" E

Course from PT ORCHARD-9 to PC ORCHARD-10 N 36° 36' 09.77" E Dist 311.94

Curve ORCHARD-12
P.I. Station 186+38.19 N 1,760,479.97 E
1,162,187.38
Delta = 30° 03' 04.72" (RT)
Degree = 9° 32' 57.47"
Tangent = 161.06
Length = 314.70
Radius = 600.00
External = 21.24
Long Chord = 311.10
Mid. Ord. = 20.51
P.C. Station 184+77.13 N 1,760,341.45 E
1,162,269.55
P.T. Station 187+91.83 N 1,760,641.02 E
1,162,185.63
C.C. N 1,760,647.54 E
1,162,785.60
Back = N 30° 40' 27.38" W
Ahead = N 0° 37' 22.66" W
Chord Bear = N 15° 38' 55.02" W

Course from PT ORCHARD-12 to PC ORCHARD-13 N 0° 37' 22.66" W Dist 149.56

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 312.467.1000 FAX 312.467.1001
 PROJECT NO. 060670-PH2-ALIGN-TIES1.SHT



DESIGNED - TLH	REVISED -
DRAWN - UKB	REVISED -
CHECKED - TAO	REVISED -
DATE - 8/23/11	FILE - 060670-PH2-ALIGN-TIES1.SHT

**STATE OF ILLINOIS
ORCHARD DRIVE IMPROVEMENTS**

ALIGNMENT

SCALE:	STA.	TO STA.	F.A.U. RTE. 2836	SECTION 06-00090-00-FP	COUNTY COOK	TOTAL SHEETS 200	SHEET NO. 25
			FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT	CONTRACT NO. 63635 M-8003(661)	

ORCHARD DRIVE ALIGNMENT (CONT'D)

US ROUTE 30 ALIGNMENT

Curve ORCHARD-13
 P.I. Station 191+08.38 N 1,760,957.55 E
 1,162,182.19
 Delta = 42° 00' 09.09" (LT)
 Degree = 13° 10' 17.20"
 Tangent = 166.99
 Length = 318.89
 Radius = 435.00
 External = 30.95
 Long Chord = 311.80
 Mid. Ord. = 28.90
 P.C. Station 189+41.38 N 1,760,790.57 E
 1,162,184.01
 P.T. Station 192+60.27 N 1,761,080.42 E
 1,162,069.10
 C.C. N 1,760,785.84 E
 1,161,749.03
 Back = N 0° 37' 22.66" W
 Ahead = N 42° 37' 31.74" W
 Chord Bear = N 21° 37' 27.20" W

Course from PT ORCHARD-13 to PC ORCHARD-14 N 42° 37' 31.74" W Dist 691.62

Curve ORCHARD-16
 P.I. Station 215+69.40 N 1,763,091.57 E
 1,161,057.24
 Delta = 22° 07' 56.18" (RT)
 Degree = 10° 03' 06.81"
 Tangent = 111.48
 Length = 220.18
 Radius = 570.00
 External = 10.80
 Long Chord = 218.81
 Mid. Ord. = 10.60
 P.C. Station 214+57.92 N 1,762,989.07 E
 1,161,101.06
 P.T. Station 216+78.10 N 1,763,203.03 E
 1,161,055.27
 C.C. N 1,763,213.12 E
 1,161,625.18
 Back = N 23° 08' 44.59" W
 Ahead = N 1° 00' 48.41" W
 Chord Bear = N 12° 04' 46.50" W

Course from PT ORCHARD-16 to PC ORCHARD-17 N 0° 27' 57.54" W Dist 262.38

Point L1 N 1,763,301.41 E 1,160,570.80 Sta
 700+00.00
 Course from L1 to L2 N 89° 31' 09.05" E Dist 1,200.00
 Point L2 N 1,763,311.48 E 1,161,770.76 Sta
 712+00.00

Curve ORCHARD-14
 P.I. Station 202+30.16 N 1,761,794.06 E
 1,161,412.29
 Delta = 35° 51' 36.27" (RT)
 Degree = 6° 39' 44.28"
 Tangent = 278.27
 Length = 538.25
 Radius = 860.00
 External = 43.90
 Long Chord = 529.51
 Mid. Ord. = 41.77
 P.C. Station 199+51.89 N 1,761,589.31 E
 1,161,600.74
 P.T. Station 204+90.15 N 1,762,070.39 E
 1,161,379.51
 C.C. N 1,762,171.71 E
 1,162,233.52
 Back = N 42° 37' 31.74" W
 Ahead = N 6° 45' 55.48" W

Curve ORCHARD-17
 P.I. Station 219+91.12 N 1,763,516.05 E
 1,161,052.85
 Delta = 22° 54' 23.75" (LT)
 Degree = 22° 55' 05.92"
 Tangent = 50.65
 Length = 99.95
 Radius = 250.00
 External = 5.08
 Long Chord = 99.28
 Mid. Ord. = 4.98
 P.C. Station 219+40.47 N 1,763,465.40 E
 1,161,053.14
 P.T. Station 220+40.42 N 1,763,562.60 E
 1,161,032.87
 C.C. N 1,763,463.97 E
 1,160,803.14
 Back = N 0° 19' 43.99" W
 Ahead = N 23° 14' 07.74" W
 Chord Bear = N 11° 46' 55.86" W

Curve ORCHARD-15
 P.I. Station 208+55.08 N 1,762,433.04 E
 1,161,338.75
 Delta = 16° 54' 39.34" (LT)
 Degree = 6° 39' 44.28"
 Tangent = 127.84
 Length = 253.83
 Radius = 860.00
 External = 9.45
 Long Chord = 252.91
 Mid. Ord. = 9.35
 P.C. Station 207+27.24 N 1,762,305.96 E
 1,161,352.64
 P.T. Station 209+81.07 N 1,762,550.60 E
 1,161,288.50
 C.C. N 1,762,212.56 E
 1,160,497.72
 Back = N 6° 14' 05.25" W
 Ahead = N 23° 08' 44.59" W
 Chord Bear = N 14° 41' 24.92" W

Course from PT ORCHARD-15 to PC ORCHARD-16 N 23° 08' 44.59" W Dist 476.85

Curve ORCHARD-18
 P.I. Station 220+98.30 N 1,763,615.78 E
 1,161,010.03
 Delta = 22° 34' 19.69" (RT)
 Degree = 19° 45' 25.80"
 Tangent = 57.87
 Length = 114.25
 Radius = 290.00
 External = 5.72
 Long Chord = 113.51
 Mid. Ord. = 5.61
 P.C. Station 220+40.42 N 1,763,562.60 E
 1,161,032.87
 P.T. Station 221+54.67 N 1,763,673.65 E
 1,161,009.36
 C.C. N 1,763,677.00 E
 1,161,299.34
 Back = N 23° 14' 07.74" W
 Ahead = N 0° 39' 48.05" W
 Chord Bear = N 11° 56' 57.89" W

Course from PT ORCHARD-18 to ORCHARD3 N 0° 39' 48.05" W Dist 93.85

Point ORCHARD3 N 1,763,767.49 E 1,161,008.28 Sta
 222+48.52

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CHECKED - TAO	REVISED -
DATE - 07/28/11	FILE - 060670-PH2-ALIGN-TIES1.sh

**STATE OF ILLINOIS
 ORCHARD DRIVE IMPROVEMENTS**

ALIGNMENT

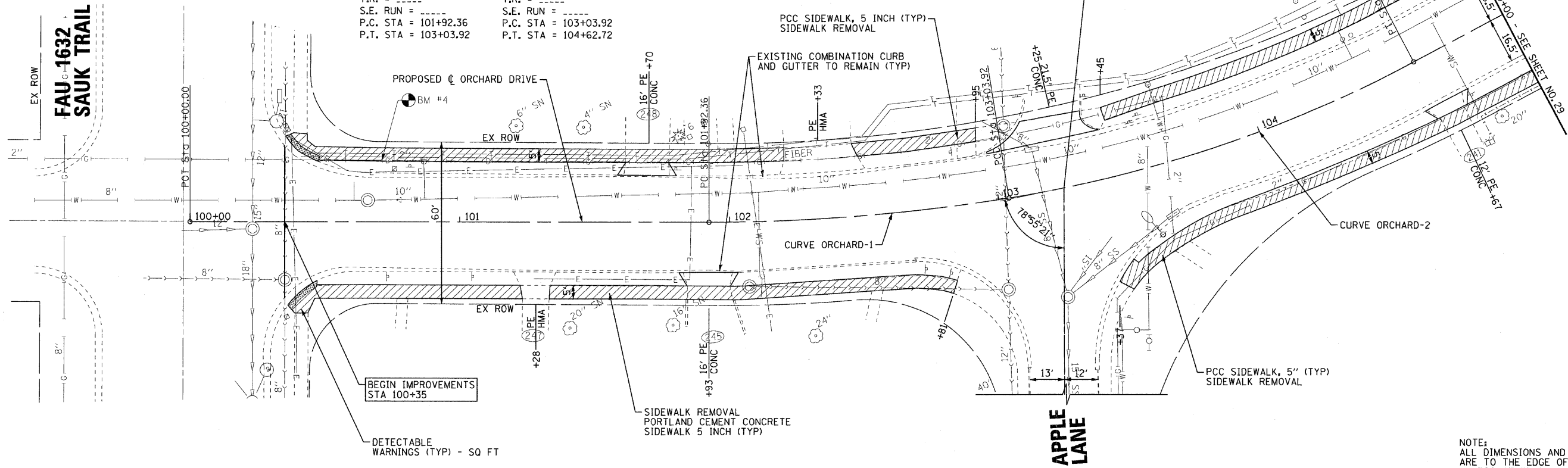
SCALE: STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2836	06-00090-00-FP	COOK	200	26
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63635	
			M-8003663	

PROP. CURVE ORCHARD-1
 PI STA. = 102+48.26
 $\Delta = 9^\circ 07' 53''$ (LT)
 $D = 8^\circ 11' 06''$
 $R = 700.00'$
 $T = 55.90'$
 $L = 111.56'$
 $E = 2.23'$
 $\theta = N/A$
 $T.R. =$
 $S.E. RUN =$
 $P.C. STA = 101+92.36$
 $P.T. STA = 103+03.92$

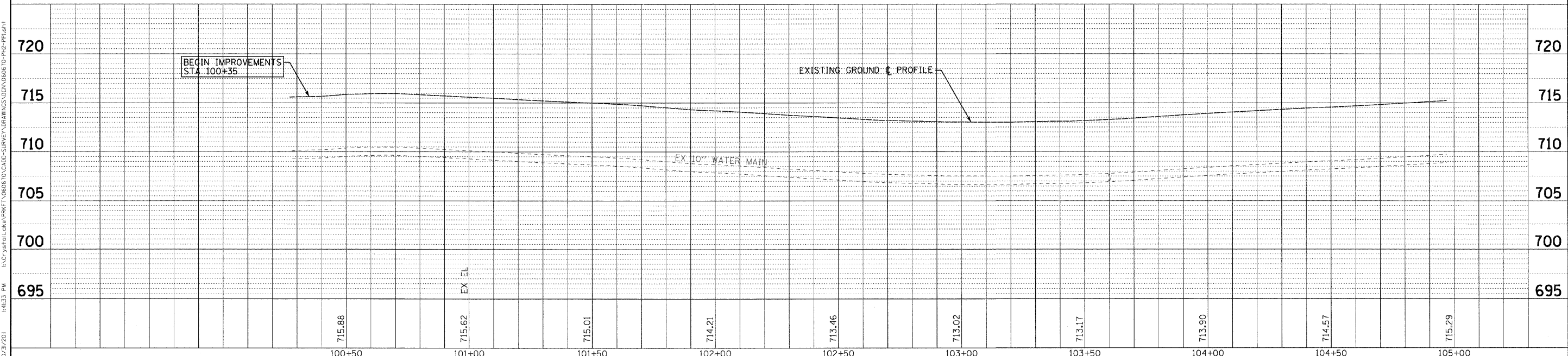
PROP. CURVE ORCHARD-2
 PI STA. = 103+84.05
 $\Delta = 18^\circ 57' 21''$ (LT)
 $D = 11^\circ 56' 12''$
 $R = 480.00'$
 $T = 80.13'$
 $L = 158.80'$
 $E = 6.64'$
 $\theta = N/A$
 $T.R. =$
 $S.E. RUN =$
 $P.C. STA = 103+03.92$
 $P.T. STA = 104+62.72$

EX ROW
FAU C-1632
SAUK TRAIL



NOTE:
 ALL DIMENSIONS AND ELEVATIONS
 ARE TO THE EDGE OF PAVEMENT
 UNLESS OTHERWISE NOTED.

ORCHARD DRIVE



DESIGNED - TLH	REVISED -
DRAWN - UKB	REVISED -
CHECKED - TAO	REVISED -
DATE - 10/24/11	FILE - 060670-Ph2-PP1.sht

STATE OF ILLINOIS
ORCHARD DRIVE IMPROVEMENTS

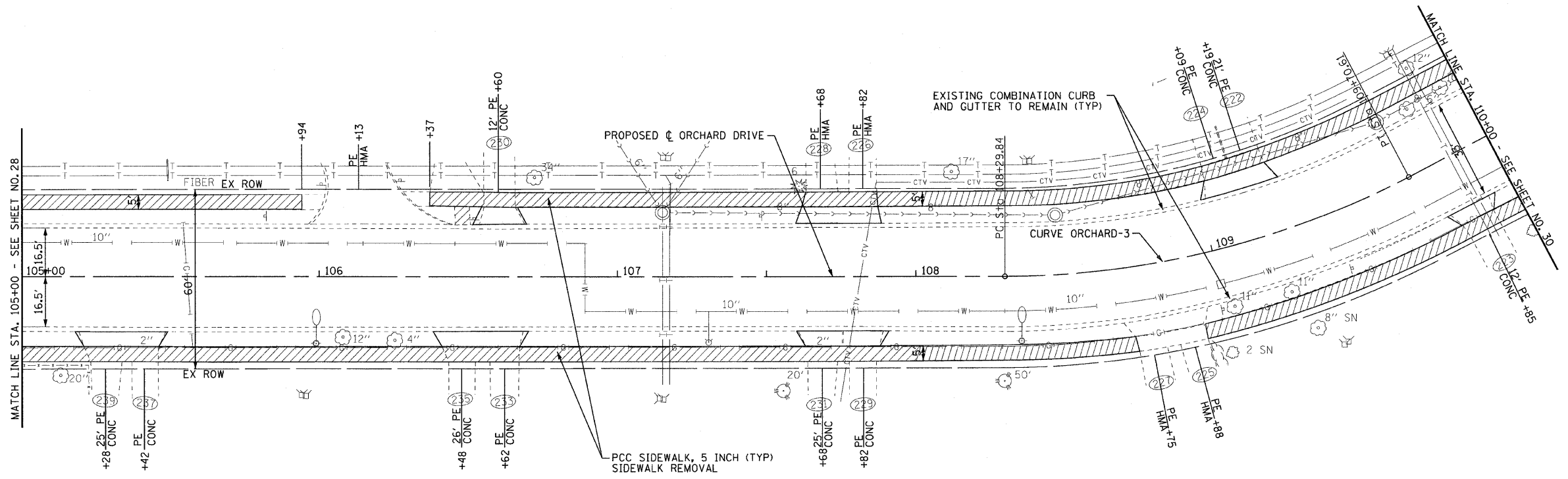
GEOMETRIC PLAN AND PROFILE
ORCHARD DRIVE

SCALE: HORIZ. 1"=20' / VERT. 1"=5'

STA. 100+66 TO STA. 105+00

F.A.U. RTE. 2836	SECTION 06-00090-00-FP	COUNTY COOK	TOTAL SHEETS 200	SHEET NO. 28
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 63635	
FED. AID PROJECT			M-8003(661)	

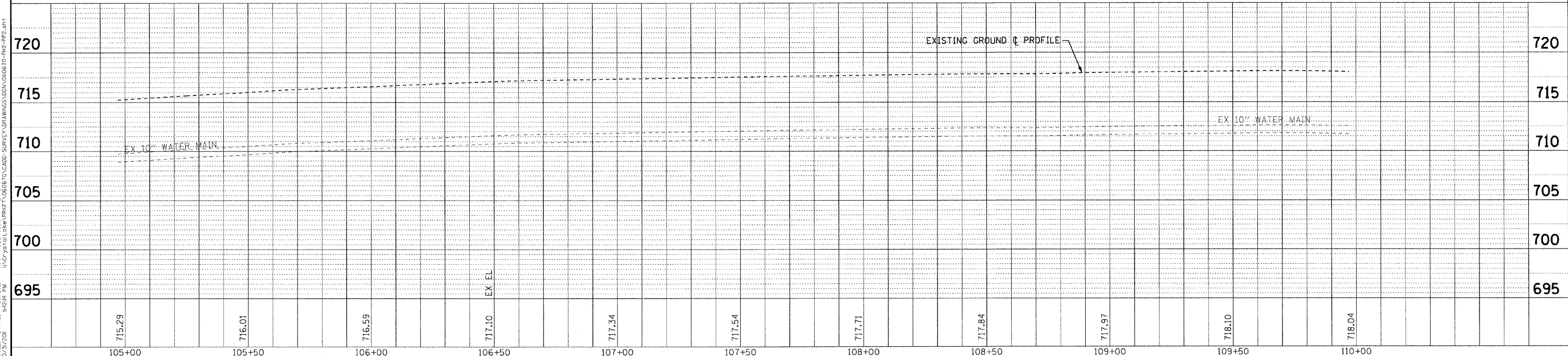
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 TEL: 312.467.1000 FAX: 312.467.1001
 DATE: 10/23/2011



PROP. CURVE ORCHARD-3
 PI STA. = 109+01.64
 $\Delta = 27^\circ 48' 47''$ (LT)
 $D = 19^\circ 45' 26''$
 $R = 290.00'$
 $T = 71.80'$
 $L = 140.77'$
 $E = 8.76'$
 $e = N/A$
 $T.R. = \text{---}$
 $S.E. RUN = \text{---}$
 $P.C. STA = 108+29.84$
 $P.T. STA = 109+70.61$

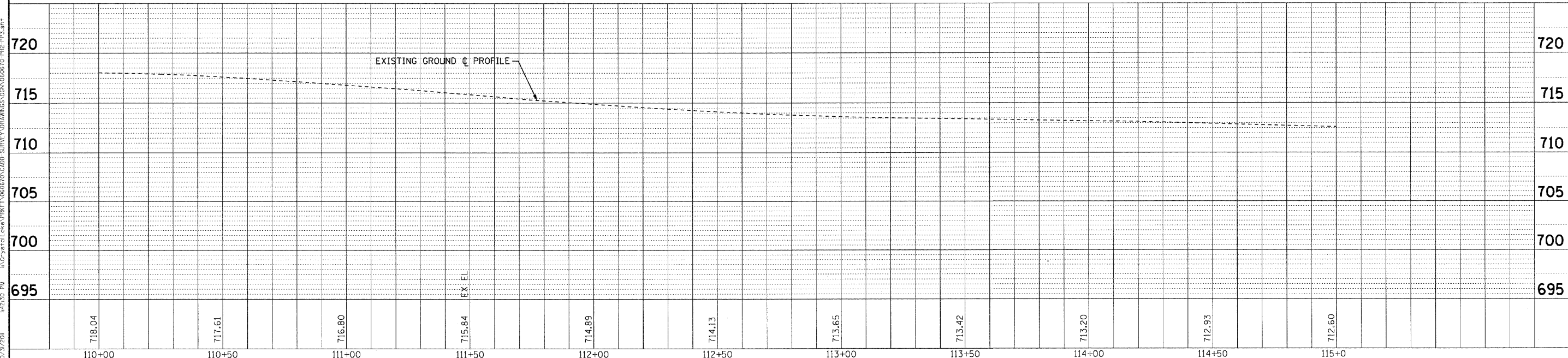
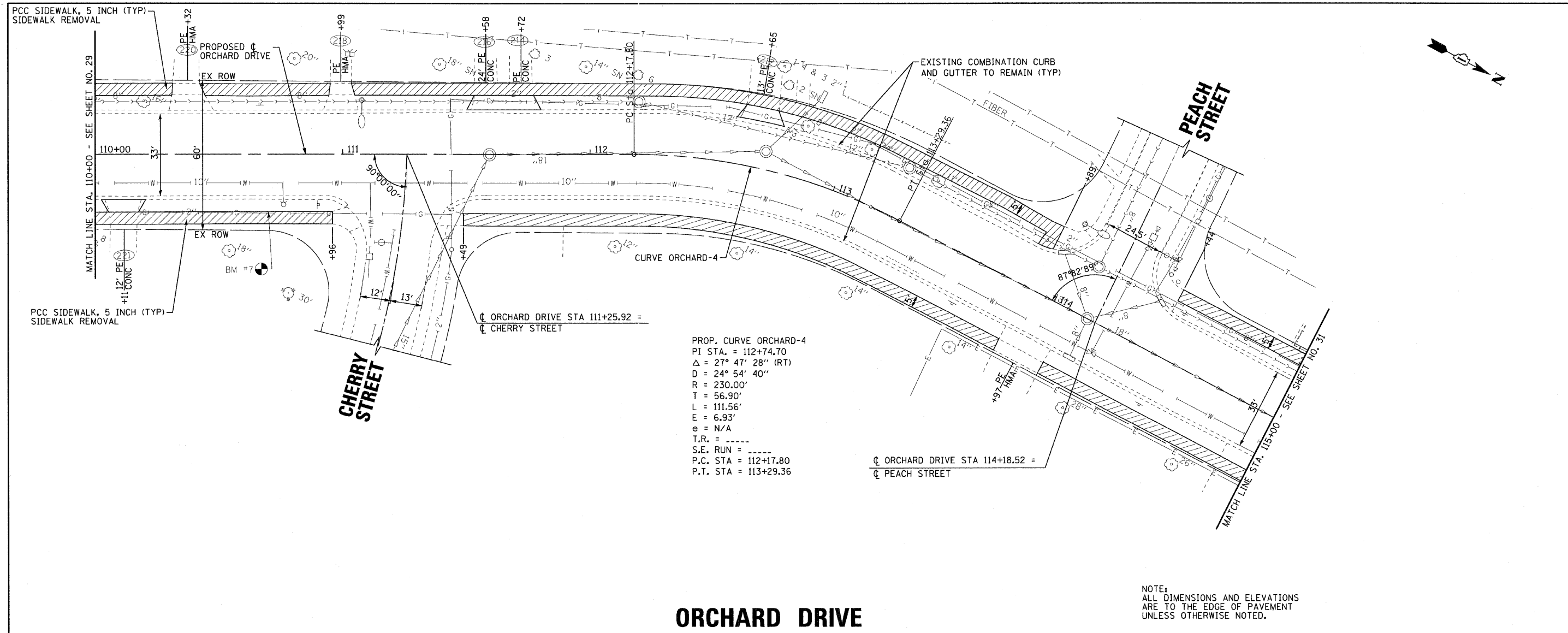
NOTE:
 ALL DIMENSIONS AND ELEVATIONS
 ARE TO THE EDGE OF PAVEMENT
 UNLESS OTHERWISE NOTED.

ORCHARD DRIVE



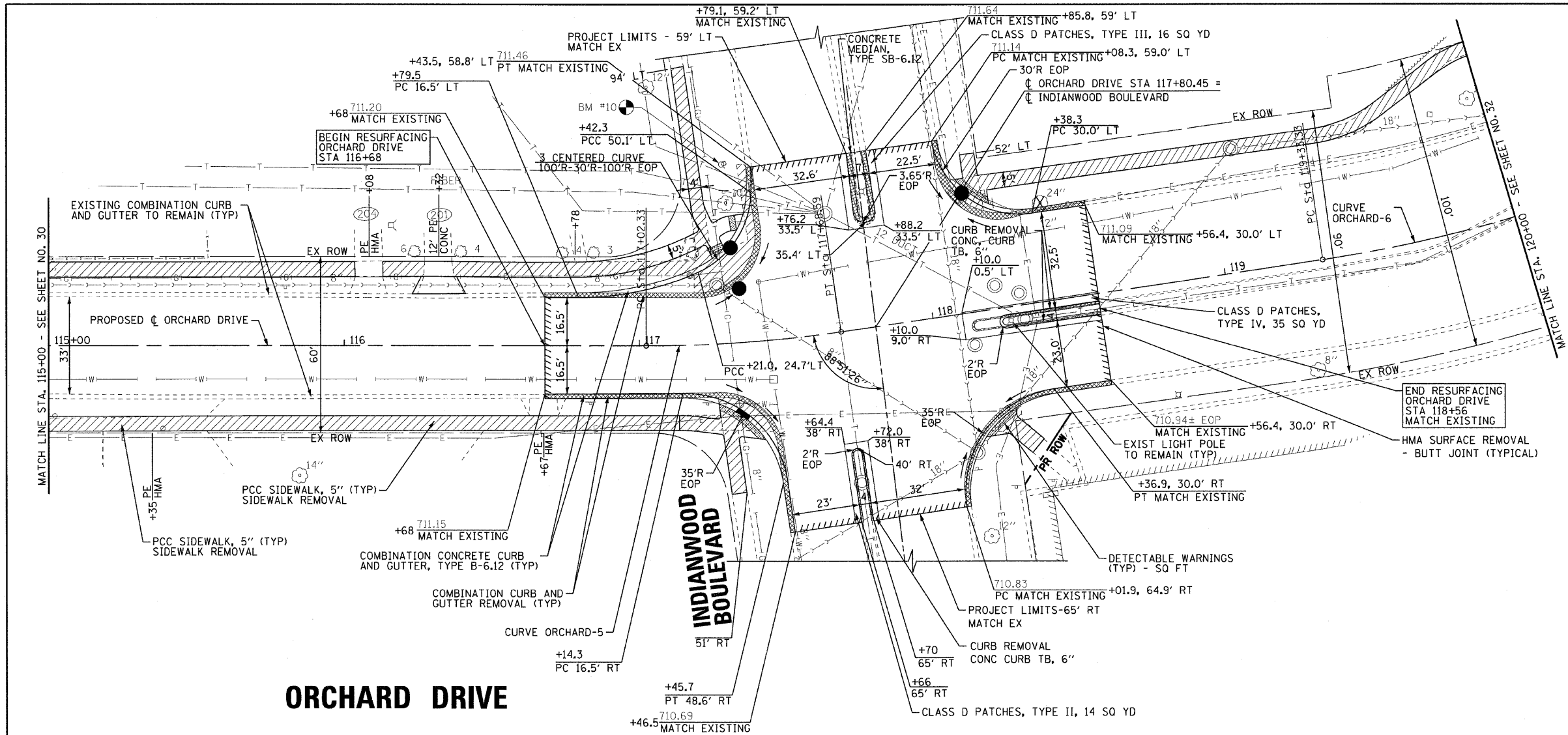
	DESIGNED - TLH	REVISED -	STATE OF ILLINOIS ORCHARD DRIVE IMPROVEMENTS	GEOMETRIC PLAN AND PROFILE ORCHARD DRIVE		F.A.J. RTE. 2836	SECTION 06-00090-00-FP	COUNTY COOK	TOTAL SHEETS 200	SHEET NO. 29
	DATE - 10/24/11	CHECKED - TAO		FILE - 060670-PH2-PP2.shx	SCALE: HORIZ. 1"=20' / VERT. 1"=5'	STA. 105+00 TO STA. 110+00	FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT M-80036663	

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 LICENSE NO. 06-00021, EXPIRES 4/30/2015
 B:\Cyril\Lake\PH2\1\06067\OACADD\SURVEY\DRAWINGS\DRAWING06 TO PH2-PP3.sht
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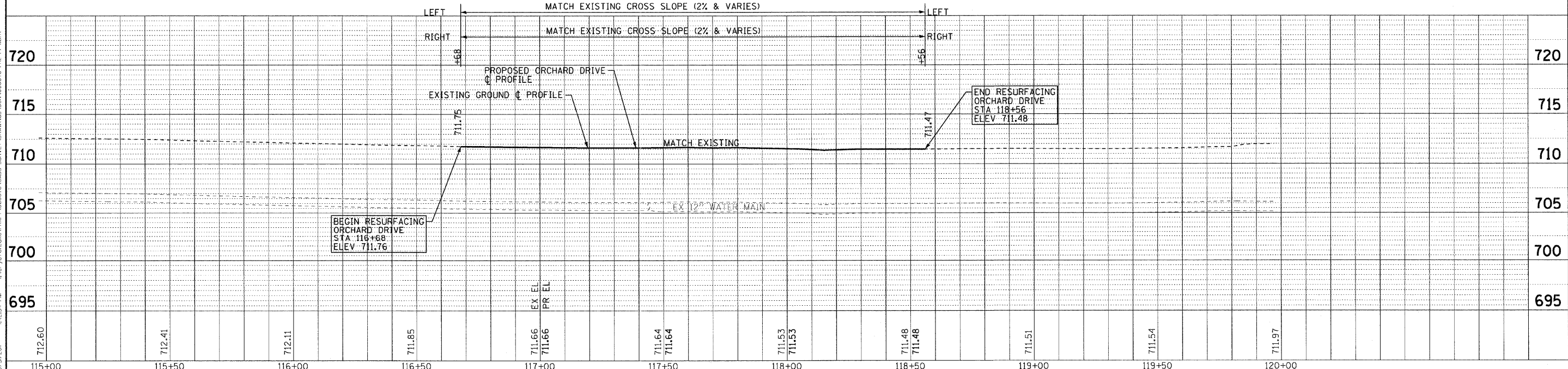
	DESIGNED - TLH	REVISED -	STATE OF ILLINOIS ORCHARD DRIVE IMPROVEMENTS	GEOMETRIC PLAN AND PROFILE ORCHARD DRIVE		F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - UKB	REVISED -		SCALE: HORIZ. 1"=20' / VERT. 1"=5'	STA. 110+00	TO STA. 115+00	2836	06-00090-00-FP	COOK	200
CHECKED - TAO	REVISED -					CONTRACT NO. 63635				
DATE - 10/24/11	FILE - 060670-PH2-PP3.sht					FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-80031661J				



PROP. CURVE ORCHARD-5
 PI STA. = 117+35.52
 Δ = 8° 26' 11" (LT)
 D = 12° 43' 57"
 R = 450.00'
 T = 33.19'
 L = 66.26'
 E = 1.22'
 e = N/A
 T.R. = -----
 S.E. RUN = -----
 P.C. STA = 117+02.33
 P.T. STA = 117+68.59

PROP. CURVE ORCHARD-6
 PI STA. = 120+72.91
 Δ = 33° 04' 54" (LT)
 D = 12° 11' 26"
 R = 470.00'
 T = 139.58'
 L = 271.37'
 E = 20.29'
 e = N/A
 T.R. = -----
 S.E. RUN = -----
 P.C. STA = 119+33.33
 P.T. STA = 122+04.70

NOTE:
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 2630 S. WOODMAN ROAD, SUITE 100, CHICAGO, IL 60608
 TEL: 312.234.1200 FAX: 312.234.1201
 PROJECT NO. 060670-PH2-PP4



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DRAWN - UKB	REVISED -
CHECKED - TAO	REVISED -
DATE - 10/24/11	FILE - 060670-PH2-PP4.shx

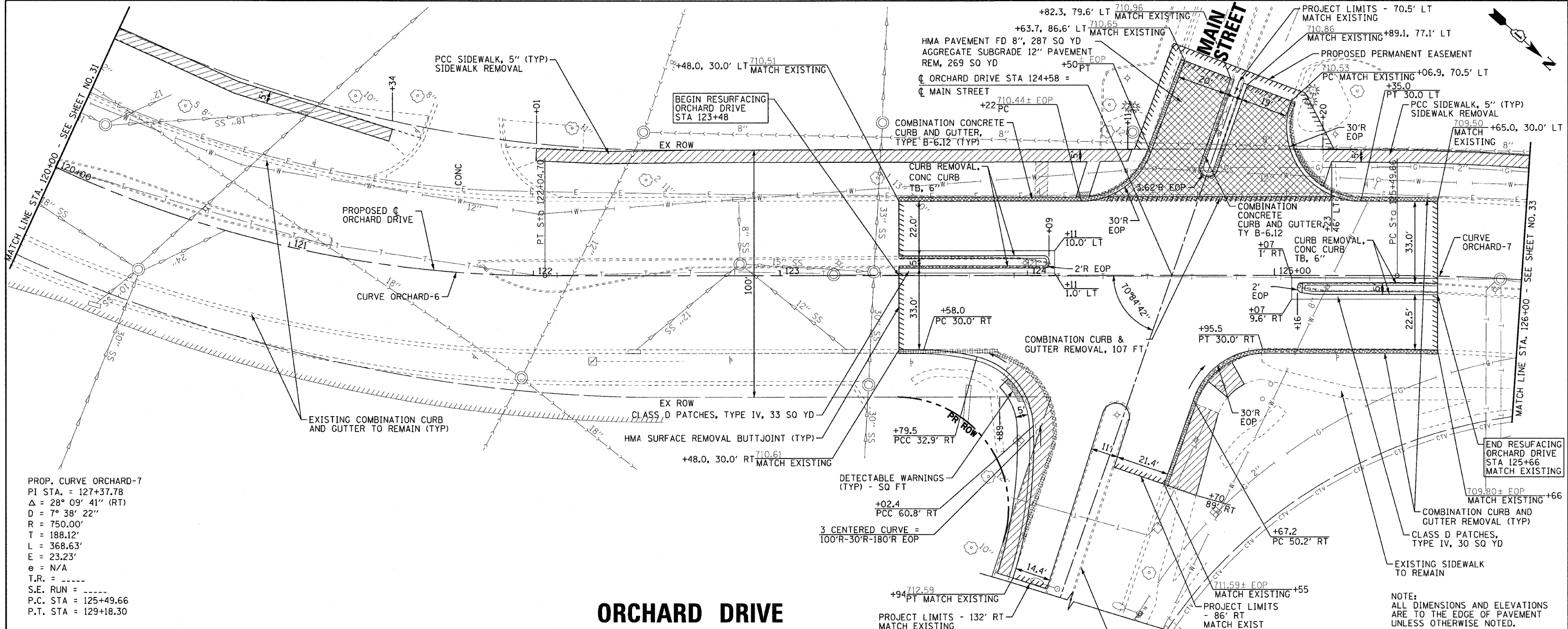
STATE OF ILLINOIS
ORCHARD DRIVE IMPROVEMENTS

GEOMETRIC PLAN AND PROFILE
ORCHARD DRIVE

SCALE: HORIZ. 1"=20' / VERT. 1"=5'

STA. 115+00 TO STA. 120+00

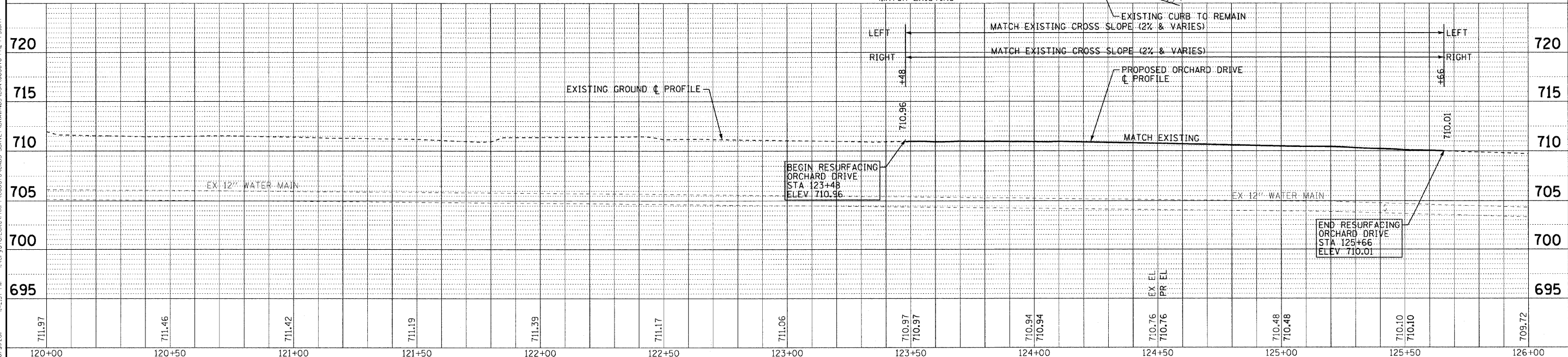
F.A.U. RTE. 2836	SECTION 06-00090-00-FP	COUNTY COOK	TOTAL SHEETS 200	SHEET NO. 31
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT M-8003(66D)		CONTRACT NO. 63635



PROP. CURVE ORCHARD-7
 PI STA. = 127+37.78
 Δ = 28° 09' 41" (RT)
 D = 7° 38' 22"
 R = 750.00'
 T = 188.12'
 L = 368.63'
 E = 23.23'
 e = N/A
 T.R. = -----
 S.E. RUN = -----
 P.C. STA = 125+49.66
 P.T. STA = 129+18.30

ORCHARD DRIVE

NOTE:
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 DRAWING NO. - 060670-ORCHARD-PP5-SHT1
 PROJECT NO. - 060670-ORCHARD-PP5-SHT1

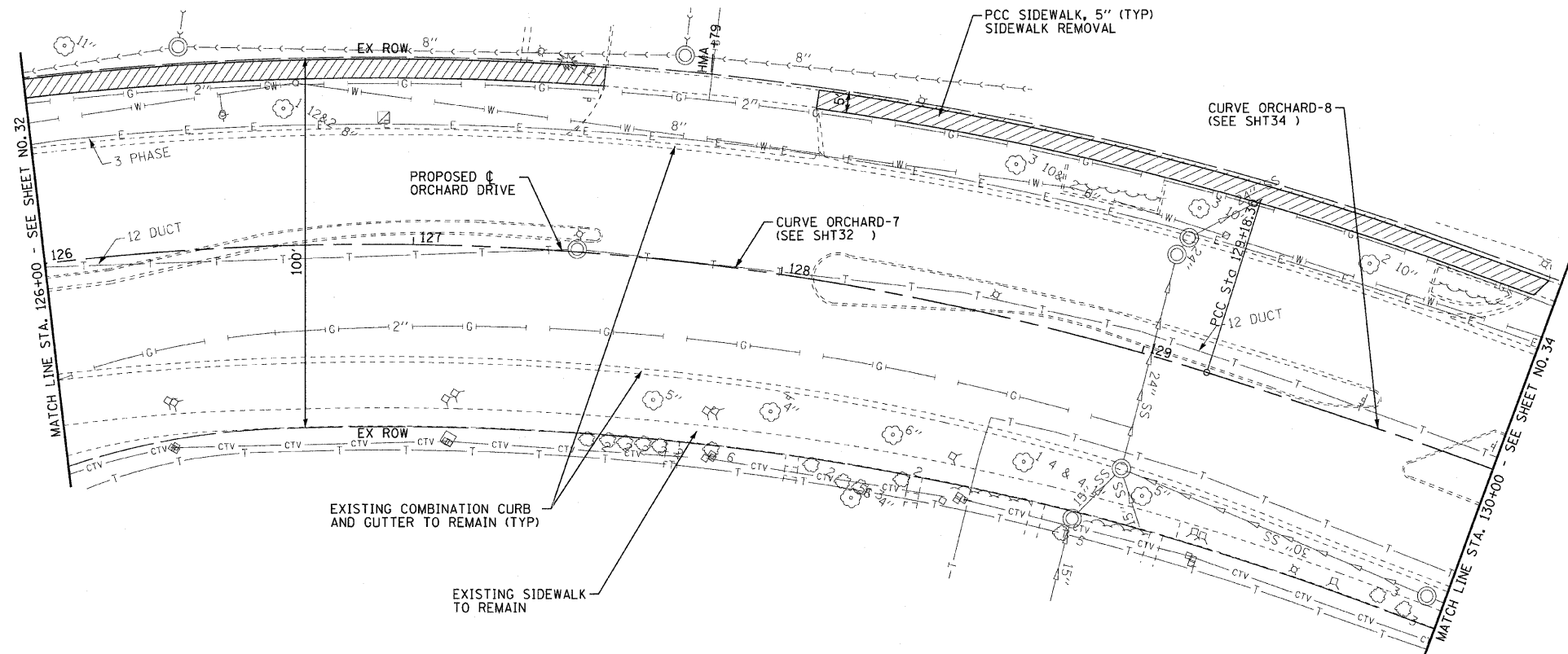
STATION	ELEVATION	DATE
120+00	711.97	
120+50	711.46	
121+00	711.42	
121+50	711.19	
122+00	711.39	
122+50	711.17	
123+00	711.06	
123+50	710.97	
124+00	710.94	
124+50	710.76	
125+00	710.48	
125+50	710.10	
126+00	709.72	

DESIGNED - TLH	REVISION
DRAWN - UKB	REVISION
CHECKED - TAO	REVISION
DATE - 10/24/11	FILE - 060670-PP5-SHT

STATE OF ILLINOIS ORCHARD DRIVE IMPROVEMENTS

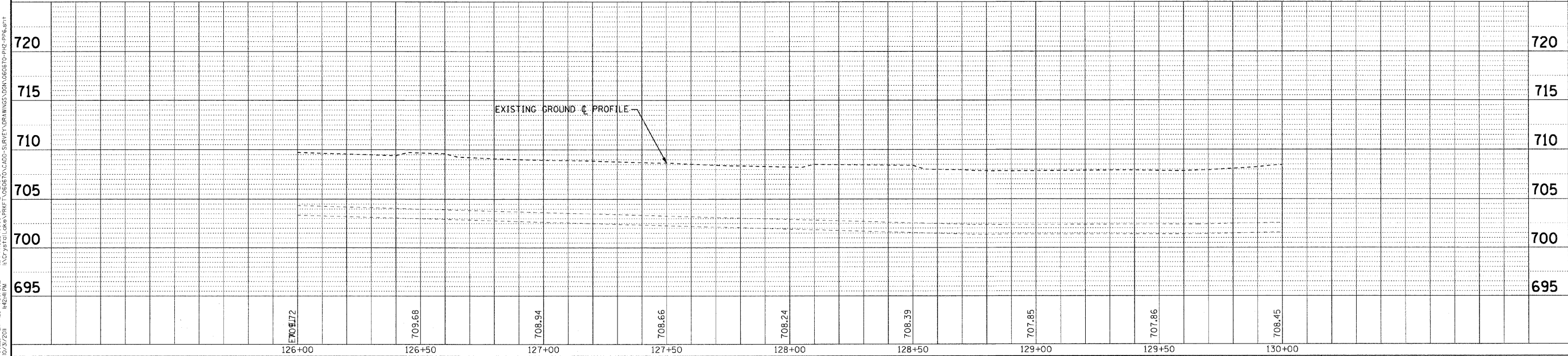
GEOMETRIC PLAN AND PROFILE ORCHARD DRIVE	
SCALE: HORIZ. 1"=20' / VERT. 1"=5'	STA. 120+00 TO STA. 126+00

F.A.I. RTE. 2836	SECTION 06-00090-00-FP	COUNTY COOK	TOTAL SHEETS 200	SHEET NO. 32
CONTRACT NO. 63635			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-8003(661)	



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ORCHARD DRIVE



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 LICENSE NO. - 142248-0001
 PROJECT NO. - 060670-PH2-PP6
 DATE - 10/24/11

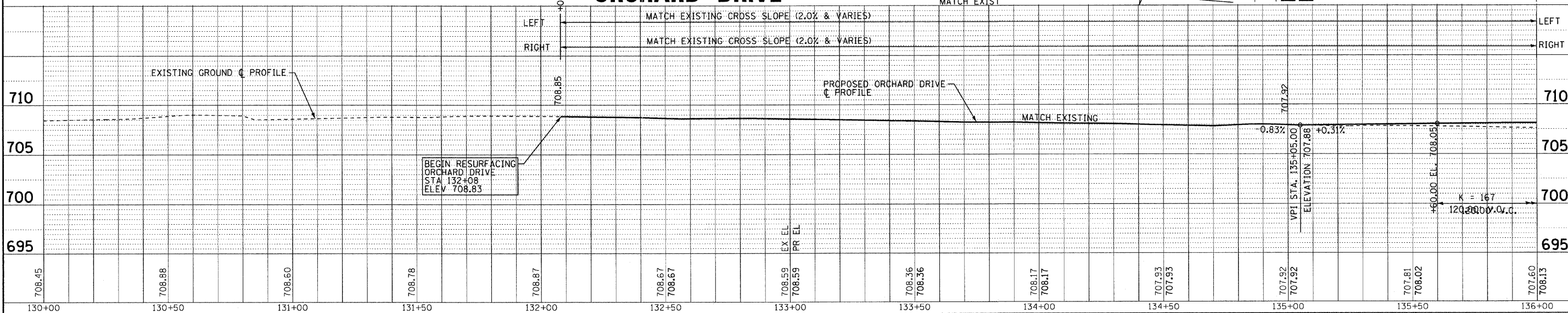
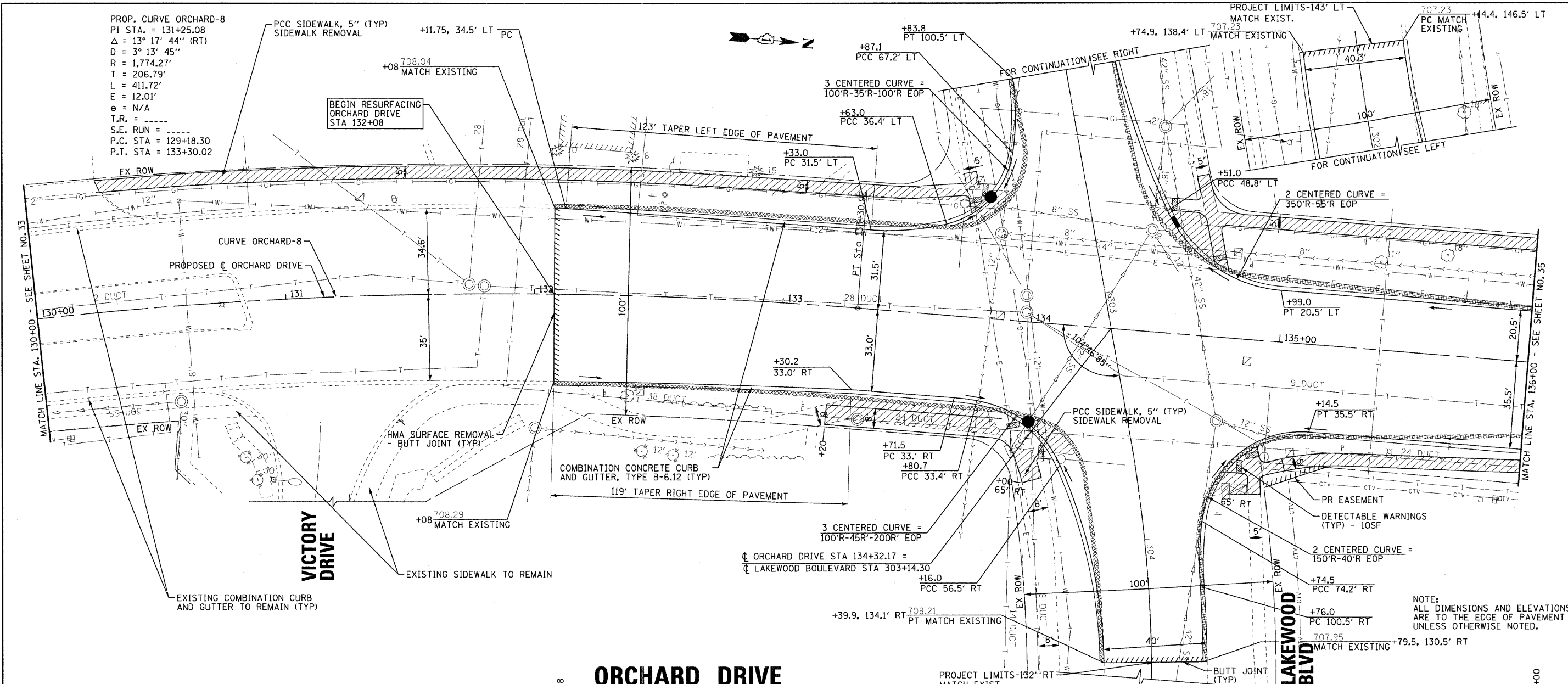
DESIGNED - TLH	REVISED -
DRAWN - LKB	REVISED -
CHECKED - TAO	REVISED -
DATE - 10/24/11	FILE - 060670-PH2-PP6.sht

**STATE OF ILLINOIS
ORCHARD DRIVE IMPROVEMENTS**

GEOMETRIC PLAN AND PROFILE ORCHARD DRIVE	
SCALE: HORIZ. 1"=20' / VERT. 1"=5'	STA. 126+00 TO STA. 130+00

F.A.J. RTE. 2836	SECTION 06-00090-00-FP	COUNTY COOK	TOTAL SHEETS 200	SHEET NO. 33
CONTRACT NO. 63635				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-8003661				

PROP. CURVE ORCHARD-8
 PI STA. = 131+25.08
 $\Delta = 13^\circ 17' 44''$ (RT)
 $D = 3^\circ 13' 45''$
 $R = 1,774.27'$
 $T = 206.79'$
 $L = 411.72'$
 $E = 12.01'$
 $\epsilon = N/A$
 T.R. = -----
 S.E. RUN = -----
 P.C. STA = 129+18.30
 P.T. STA = 133+30.02



DESIGNED - TLH
 DRAWN - UKB
 CHECKED - TAO
 DATE - 10/24/11

REVISED -
 REVISED -
 REVISED -
 FILE - 060670-PH2-PP7.sht

STATE OF ILLINOIS
 ORCHARD DRIVE IMPROVEMENTS

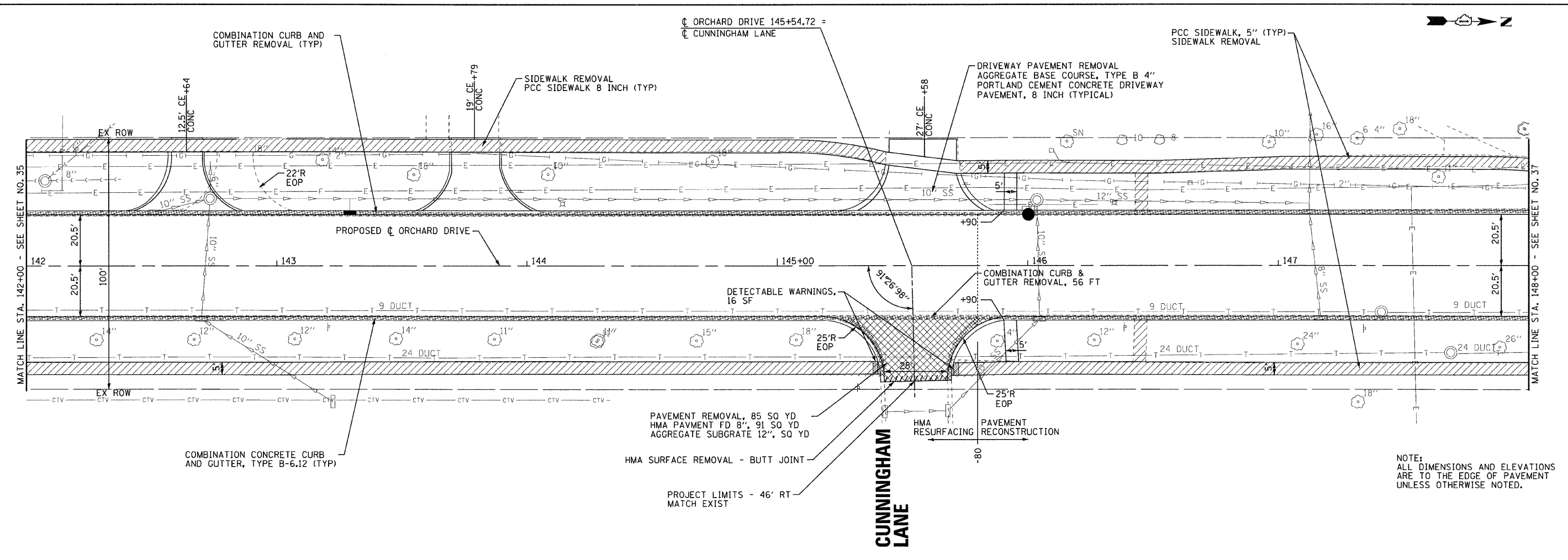
GEOMETRIC PLAN AND PROFILE
 ORCHARD DRIVE

F.A.J. RTE. 2836	SECTION 06-00090-00-FP	COUNTY COOK	TOTAL SHEETS 200	SHEET NO. 34
CONTRACT NO. 63635				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-8003661				

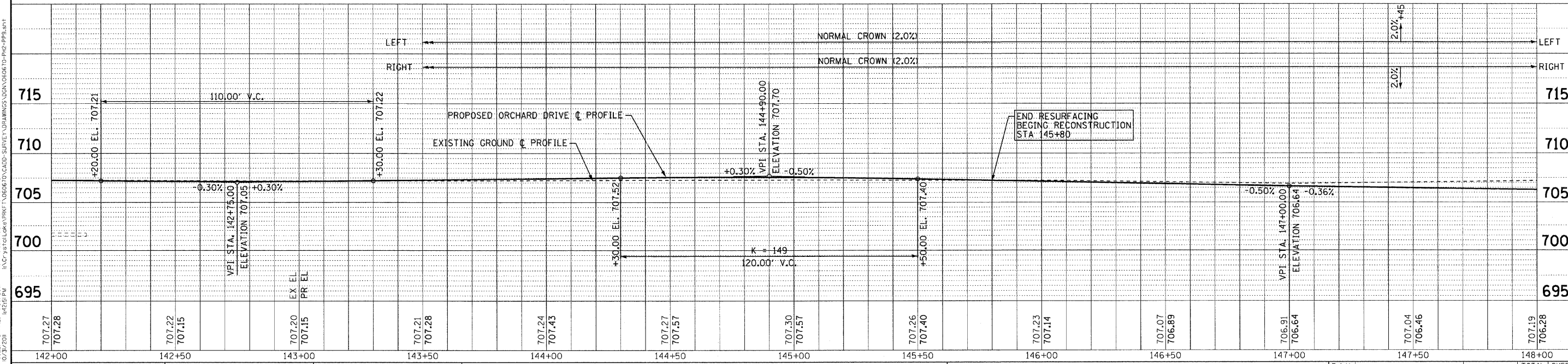
SCALE: HORIZ. 1"=20' / VERT. 1"=5'

STA. 130+00 TO STA. 136+00

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ORCHARD DRIVE

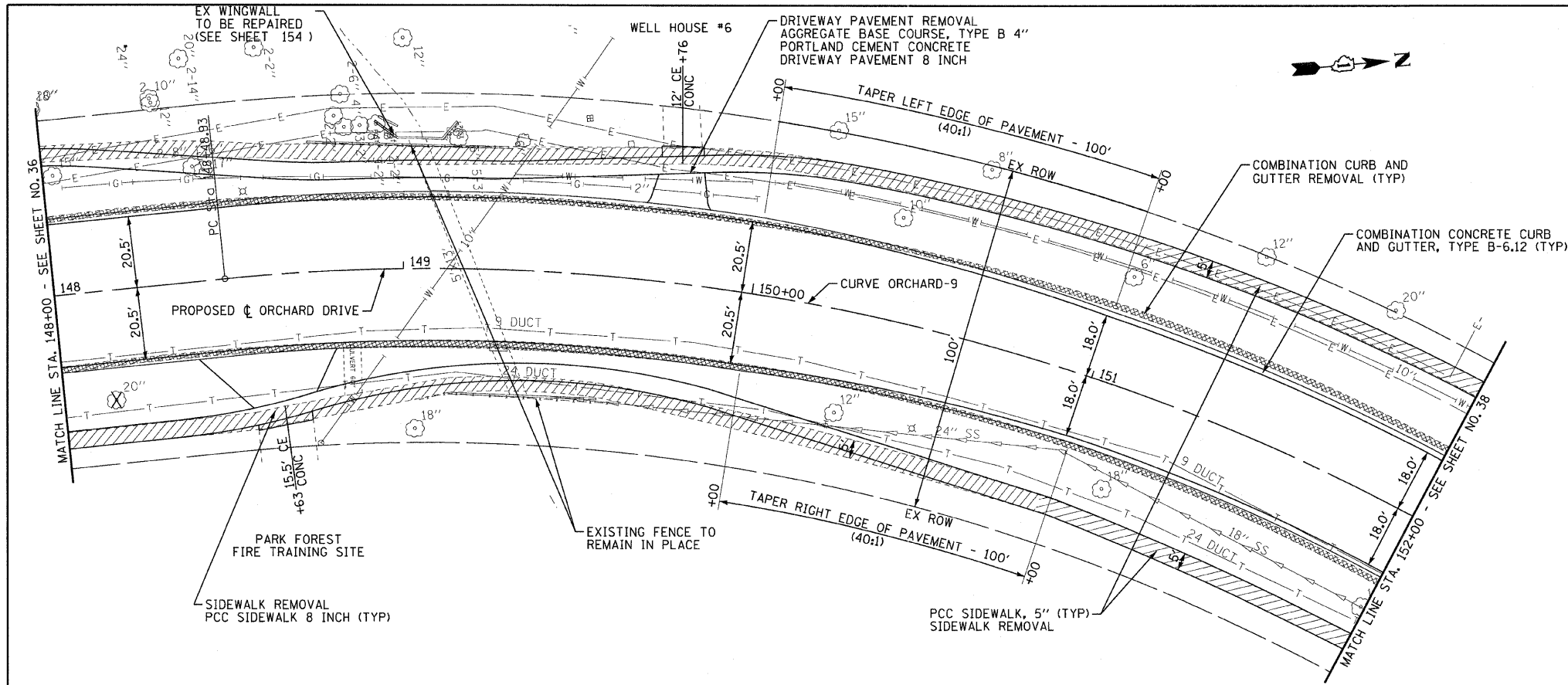


DESIGNED - TLH	REVISED -
DRAWN - UKB	REVISED -
CHECKED - TAO	REVISED -
DATE - 10/24/11	FILE - 060670-PH2-PP9.shx

**STATE OF ILLINOIS
ORCHARD DRIVE IMPROVEMENTS**

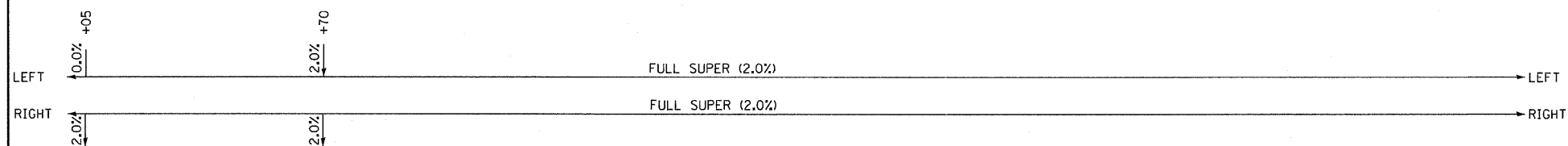
GEOMETRIC PLAN AND PROFILE ORCHARD DRIVE		
SCALE: HORIZ. 1"=20' / VERT. 1"=5'	STA. 142+00 TO STA. 148+00	F.A.U. RTE. 2836
		SECTION 06-00090-00-FP
		COUNTY COOK
		TOTAL SHEETS 200
		SHEET NO. 36
		CONTRACT NO. 63635
		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-8003661

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 LICENSE NO. 06-00090-00-FP
 PROJECT NO. 06-00090-00-FP
 DATE 10/24/11

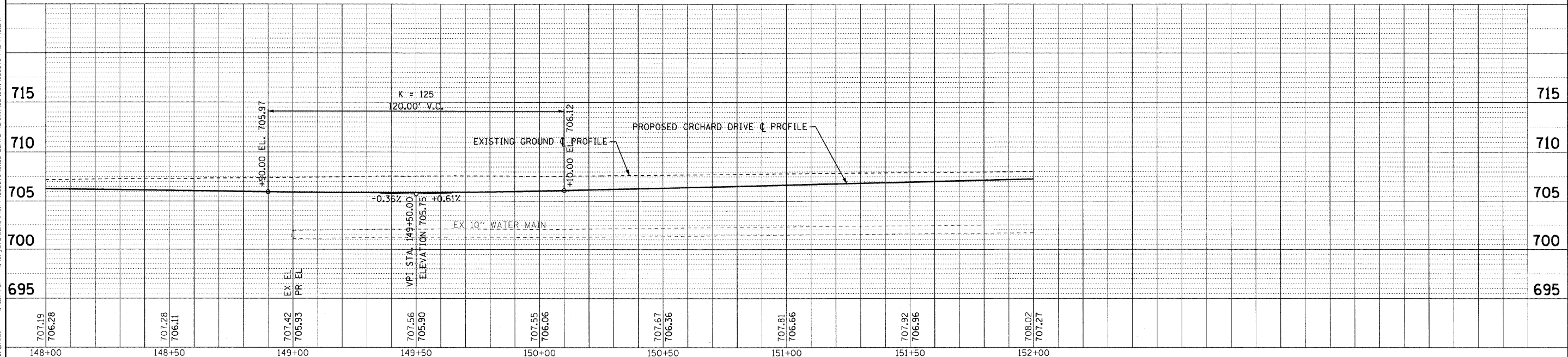


PROP. CURVE ORCHARD-9
 PI STA. = 150+48.05
 $\Delta = 37^\circ 17' 52''$ (RT)
 $D = 9^\circ 42' 40''$
 $R = 590.00'$
 $T = 199.12'$
 $L = 384.07'$
 $E = 32.69'$
 $\theta = 2^\circ$
 $T.R. = 60'$
 $S.E. RUN = 60'$
 $P.C. STA = 148+48.93$
 $P.T. STA = 152+33.00$

NOTE:
 ALL DIMENSIONS AND ELEVATIONS
 ARE TO THE EDGE OF PAVEMENT
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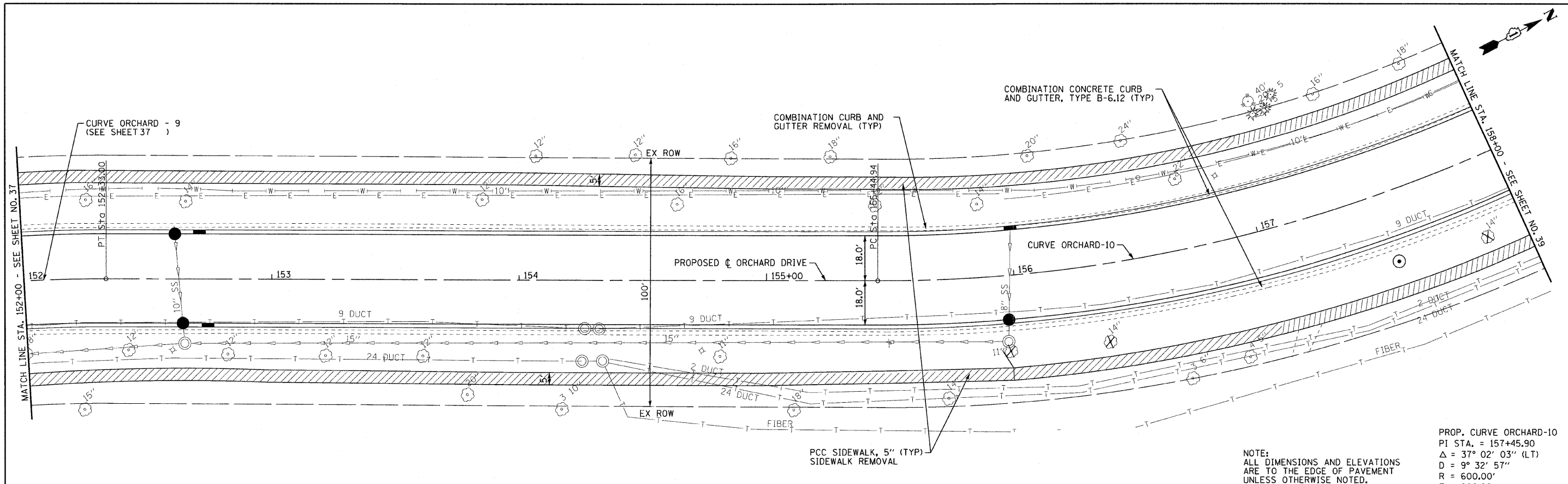


ORCHARD DRIVE



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 INC. - BAXTER & WOODMAN, INC. 2011/07/20
 PROJECT: 060670-PH2-PP10-001
 DRAWING: 060670-PH2-PP10-001-01

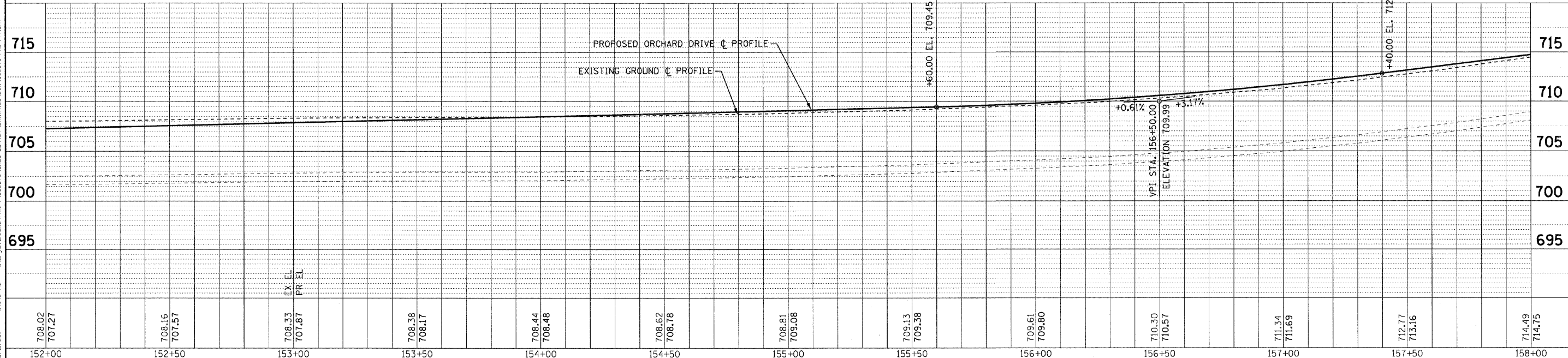
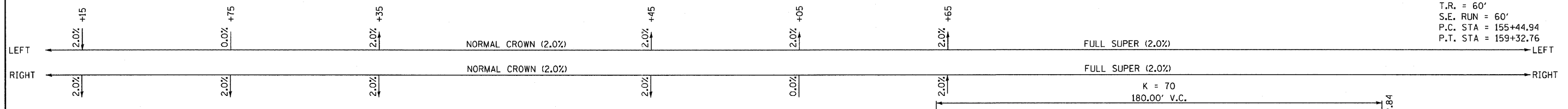
	DESIGNED - TLH	REVISED -	STATE OF ILLINOIS ORCHARD DRIVE IMPROVEMENTS	GEOMETRIC PLAN AND PROFILE ORCHARD DRIVE		F.A.U. RTE. 2836	SECTION 06-00090-00-FP	COUNTY COOK	TOTAL SHEETS 200	SHEET NO. 37
	DRAWN - UKB	REVISED -		SCALE: HORIZ. 1"=20' / VERT. 1"=5'	STA. 148+00 TO STA. 152+00	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	CONTRACT NO. 63635	
	CHECKED - TAO	REVISED -								
	DATE - 10/24/11	FILE - 060670-PH2-PP10.sht								



ORCHARD DRIVE

NOTE:
ALL DIMENSIONS AND ELEVATIONS ARE TO THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.

PROP. CURVE ORCHARD-10
 PI STA. = 157+45.90
 $\Delta = 37^\circ 02' 03''$ (LT)
 R = 600.00'
 T = 200.96'
 L = 387.82'
 E = 32.76'
 e = 2%
 T.R. = 60'
 S.E. RUN = 60'
 P.C. STA = 155+44.94
 P.T. STA = 159+32.76



708.02 707.27	708.16 707.57	708.33 707.87	708.38 708.17	708.44 708.48	708.62 708.78	708.81 709.08	709.13 709.38	709.61 709.80	710.30 710.57	711.34 711.69	712.77 713.16	714.49 714.75
152+00	152+50	153+00	153+50	154+00	154+50	155+00	155+50	156+00	156+50	157+00	157+50	158+00



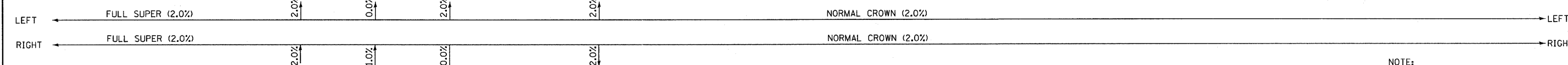
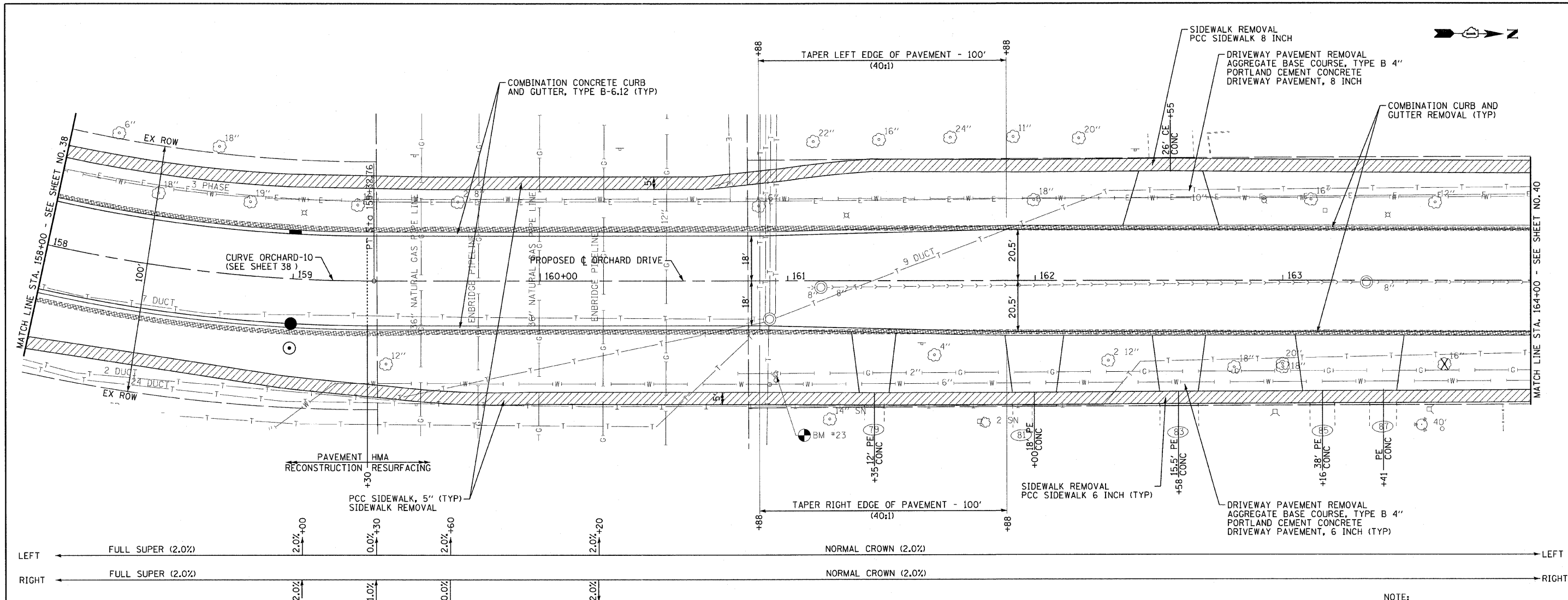
DESIGNED - TLH	REVISED -
DRAWN - UKB	REVISED -
CHECKED - TAO	REVISED -
DATE - 10/24/11	FILE - 060670-PH2-PP11.shx

STATE OF ILLINOIS
ORCHARD DRIVE IMPROVEMENTS

GEOMETRIC PLAN AND PROFILE
ORCHARD DRIVE

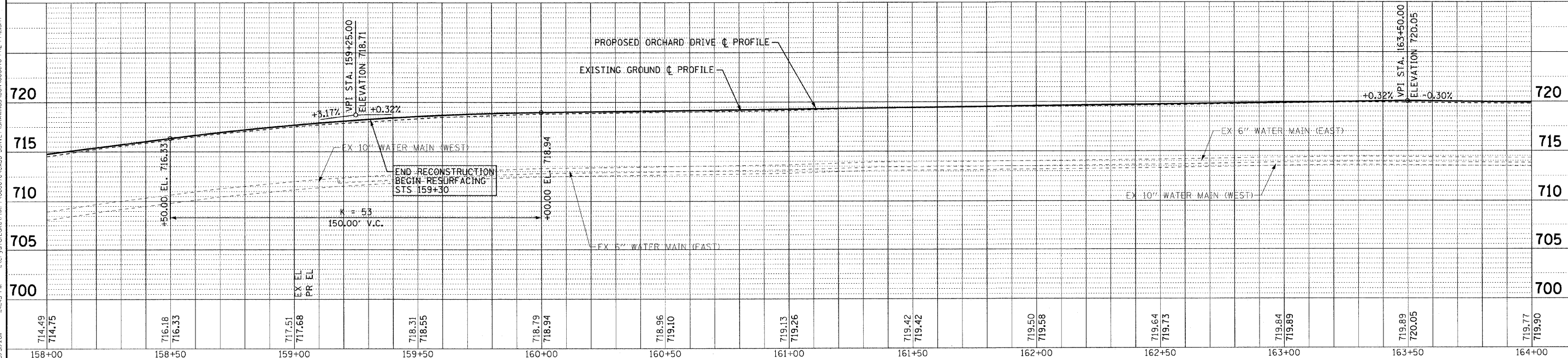
F.A.U. RTE. 2836	SECTION 06-00090-00-FP	COUNTY COOK	TOTAL SHEETS 200	SHEET NO. 38
CONTRACT NO. 63635			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-80036611	

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ORCHARD DRIVE

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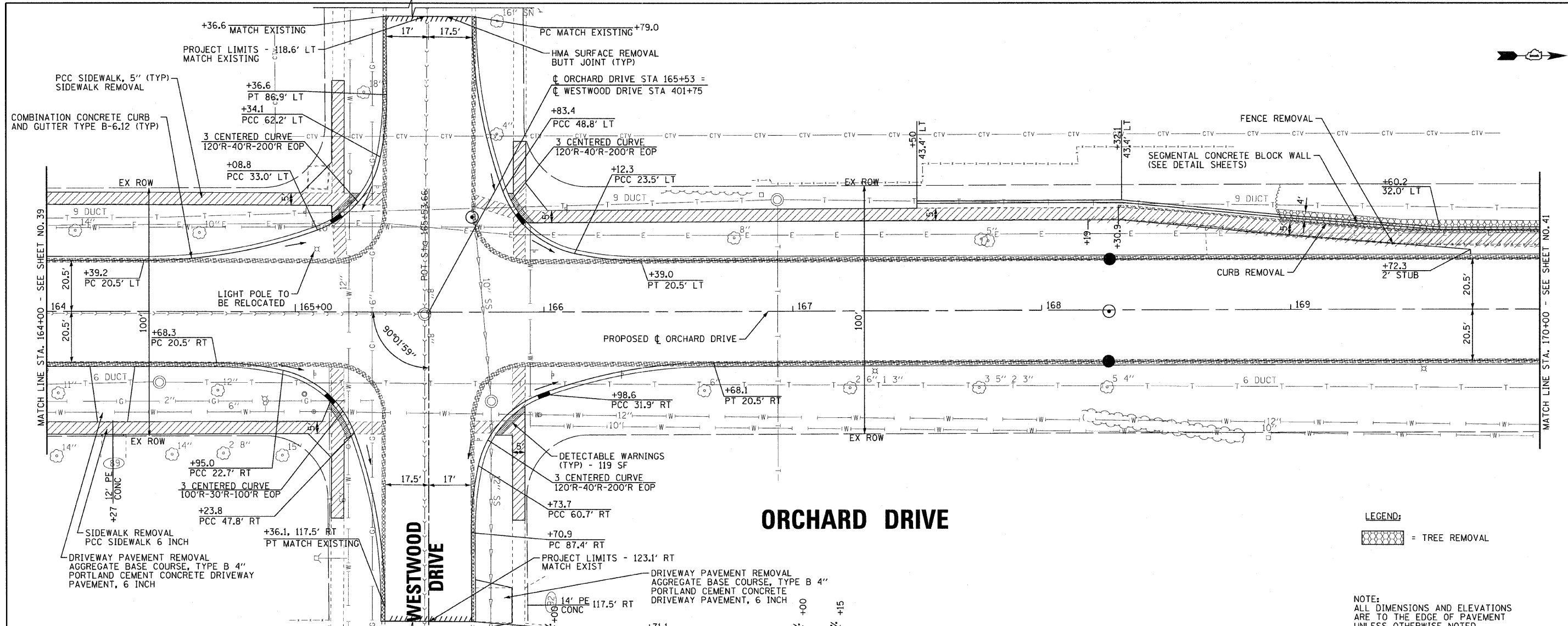


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 STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
 LICENSE NO. - 06-00090-00-PP12
 PROJECT NO. - 06-00090-00-PP12
 DATE - 10/24/11

DESIGNED - TLH	REVISED -
DRAWN - UKB	REVISED -
CHECKED - TAO	REVISED -
DATE - 10/24/11	FILE - 060670-PH2-PP12.sht

STATE OF ILLINOIS
ORCHARD DRIVE IMPROVEMENTS

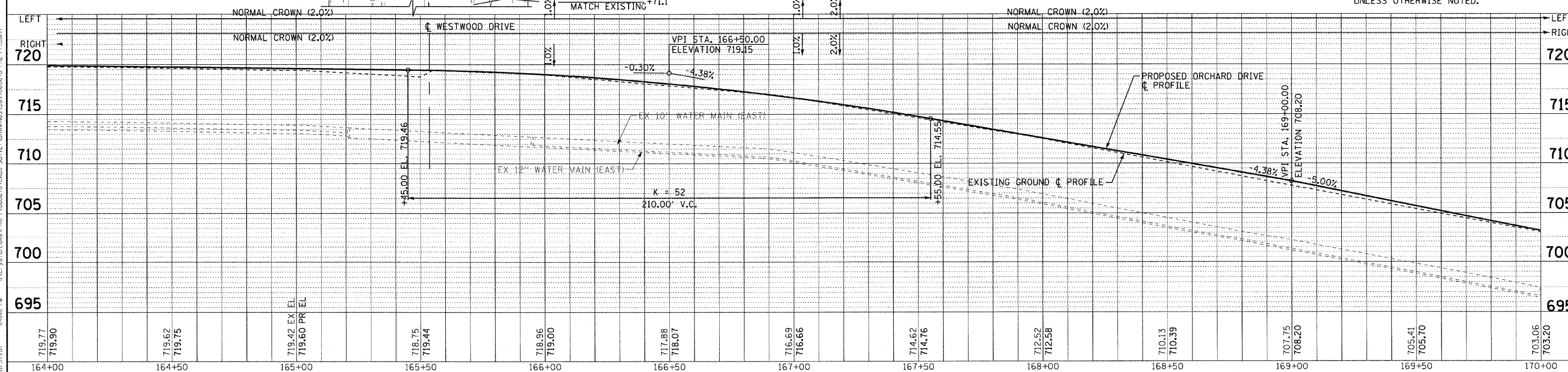
GEOMETRIC PLAN AND PROFILE		F.A.U. RTE. 2836	SECTION 06-00090-00-FP	COUNTY COOK	TOTAL SHEETS 200	SHEET NO. 39
SCALE: HORIZ. 1"=20' / VERT. 1"=5'		STA. 158+00 TO STA. 164+00		CONTRACT NO. 63635		
		FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT M-8003661		



ORCHARD DRIVE

LEGEND:
 = TREE REMOVAL

NOTE:
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CONTRACT NO. 201 BY BAXTER & WOODMAN, INC.
 STATE OF ILLINOIS PROFESSIONAL ENGINEER
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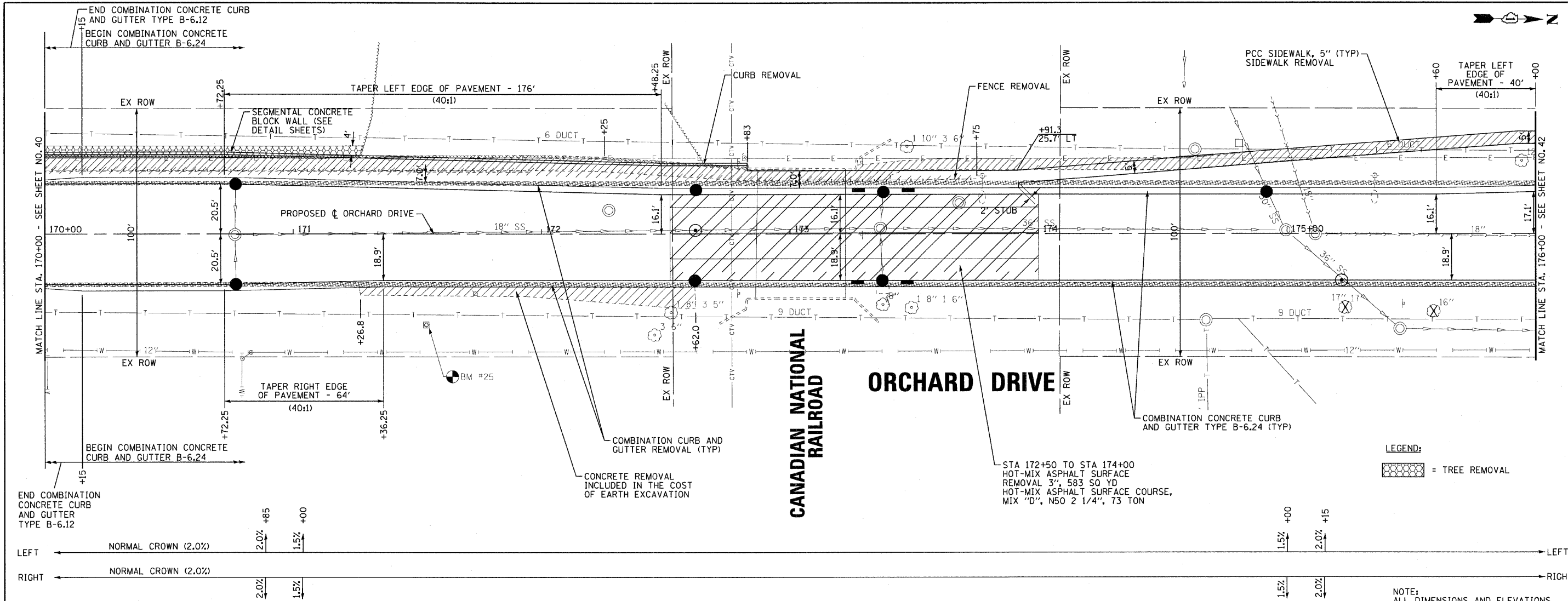
DESIGNED - TLH	REVISED -
DRAWN - UKB	REVISED -
CHECKED - TAO	REVISED -
DATE - 10/24/11	FILE - 060670-PH2-PP13.shx

STATE OF ILLINOIS
 ORCHARD DRIVE IMPROVEMENTS

GEOMETRIC PLAN AND PROFILE
 ORCHARD DRIVE

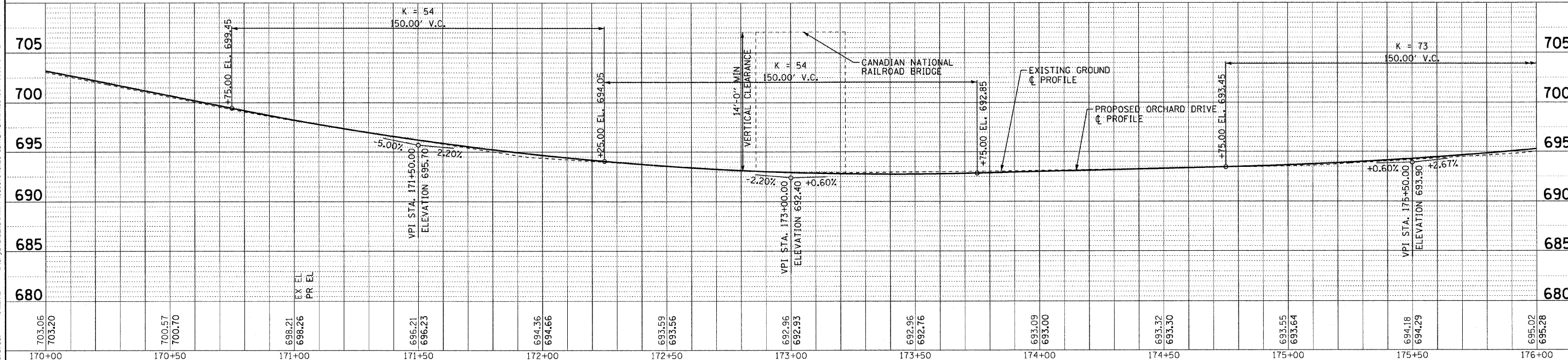
SCALE: HORIZ. 1"=20' / VERT. 1"=5'
 STA. 164+00 TO STA. 170+00

F.A.U. RTE. 2836	SECTION 06-00090-00-FP	COUNTY COOK	TOTAL SHEETS 200	SHEET NO. 40
FED. ROAD DIST. NO. 1 ILLINOIS			FED. AID PROJECT M-8003166J	
CONTRACT NO. 63635				



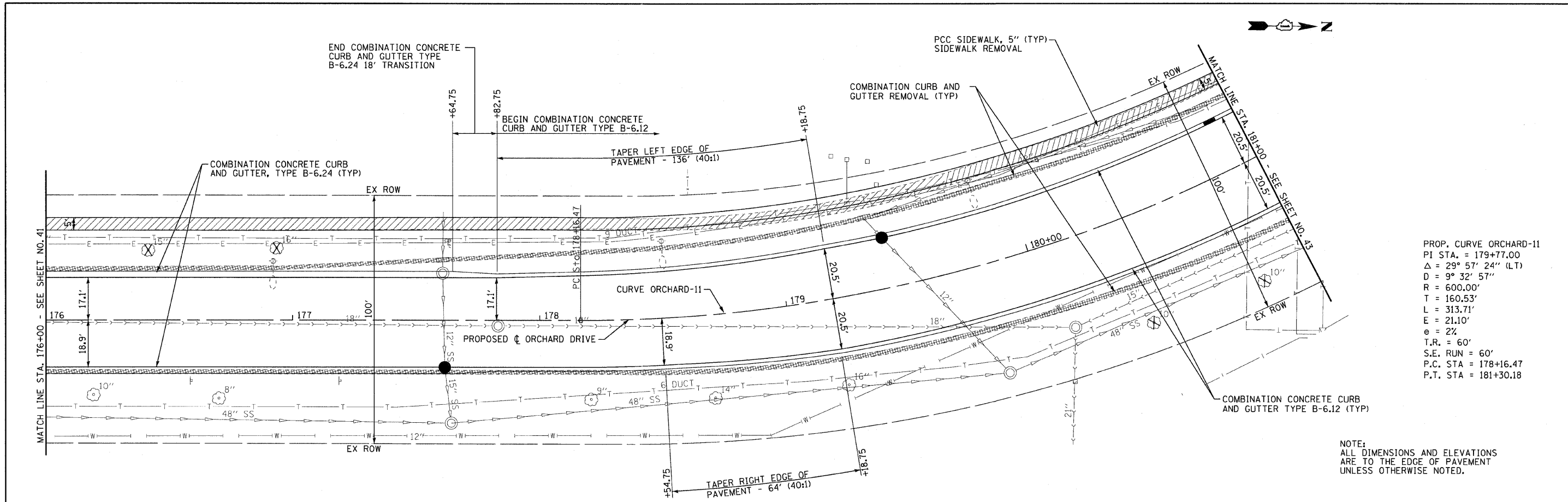
LEGEND: = TREE REMOVAL

NOTE: ALL DIMENSIONS AND ELEVATIONS ARE TO THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.



	DESIGNED - TLH	REVISED -	STATE OF ILLINOIS ORCHARD DRIVE IMPROVEMENTS	GEOMETRIC PLAN AND PROFILE ORCHARD DRIVE		F.A.J. RTE. 2836	SECTION 06-00090-00-FP	COUNTY COOK	TOTAL SHEETS 200	SHEET NO. 41
	DRAWN - UKB	REVISED -		SCALE: HORIZ. 1"=20' / VERT. 1"=5'	STA. 170+00 TO STA. 176+00	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	M-8003(6661)	
	CHECKED - TAO	REVISED -								
	DATE - 10/24/11	FILE - 060670-PH2-PP14.sht								

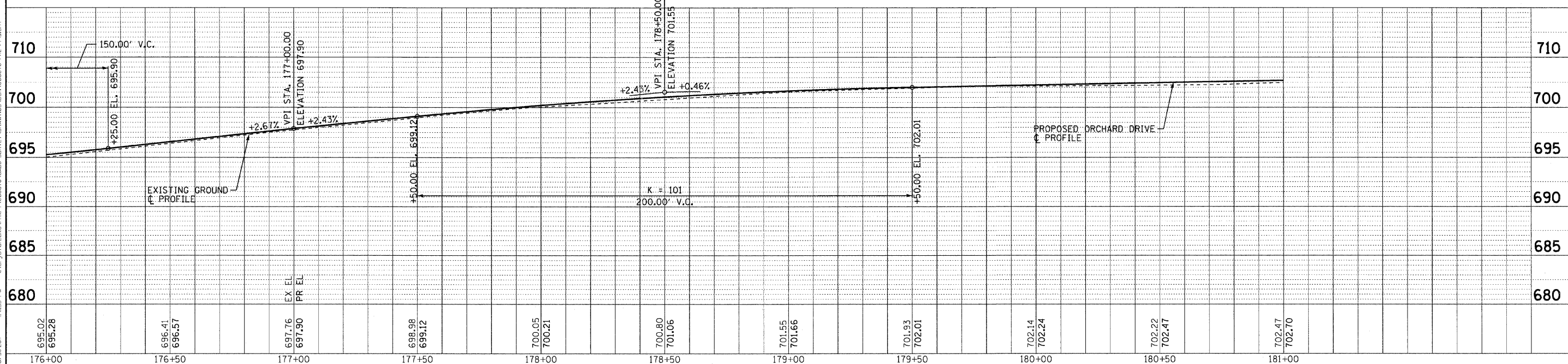
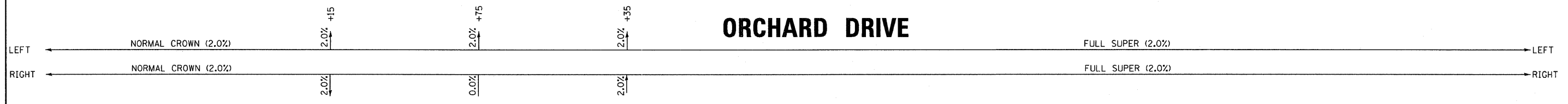
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 NO. 06-00090-00-FP
 DATE: 10/24/11



PROP. CURVE ORCHARD-11
 PI STA. = 179+77.00
 $\Delta = 29^\circ 57' 24''$ (L.T.)
 $D = 9^\circ 32' 57''$
 $R = 600.00'$
 $T = 160.53'$
 $L = 313.71'$
 $E = 21.10'$
 $e = 2\%$
 $T.R. = 60'$
 $S.E. RUN = 60'$
 $P.C. STA = 178+16.47$
 $P.T. STA = 181+30.18$

NOTE:
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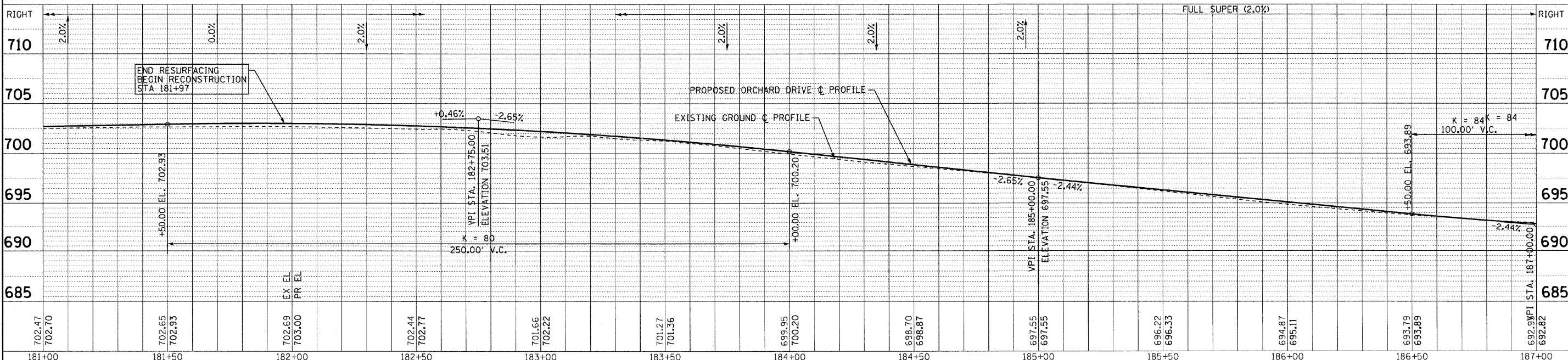
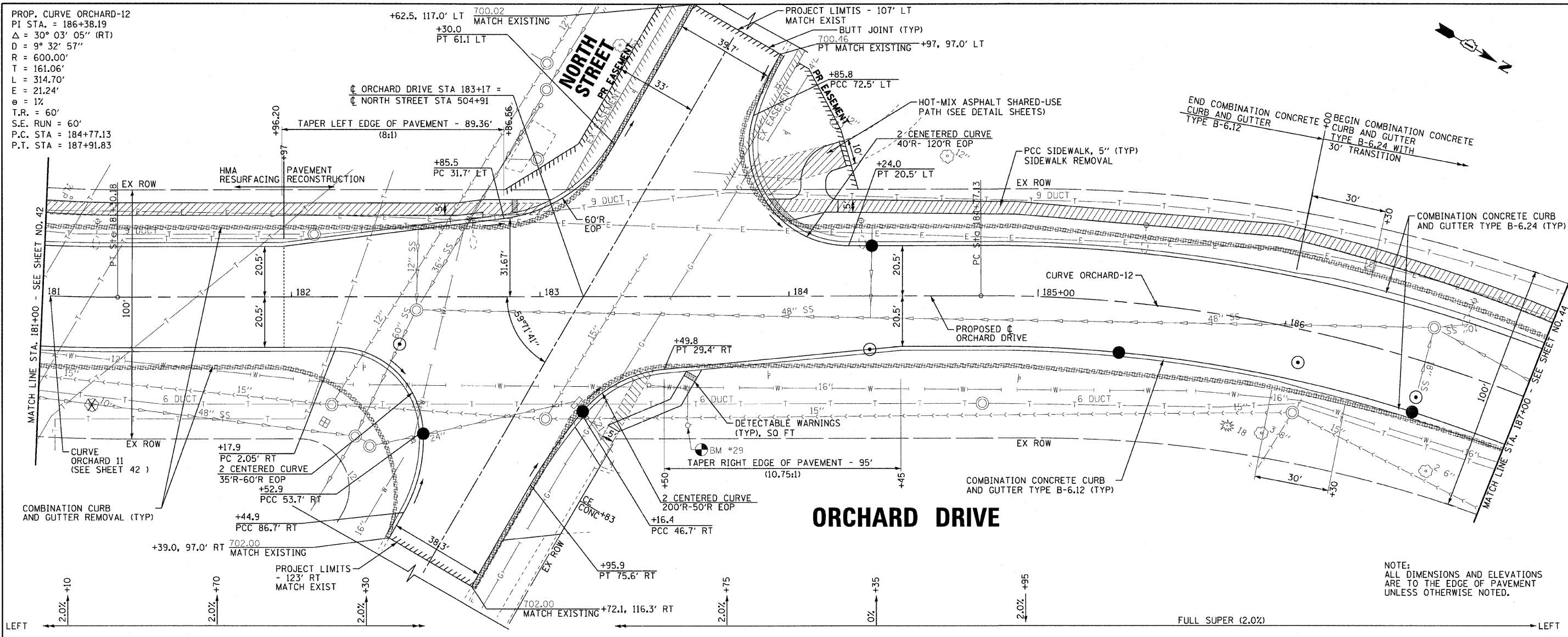
ORCHARD DRIVE



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 NO. - B-060670-00-PP15-001
 DATE - 10/24/11

	DESIGNED - TLH	REVISED -	STATE OF ILLINOIS ORCHARD DRIVE IMPROVEMENTS	GEOMETRIC PLAN AND PROFILE ORCHARD DRIVE		F.A.U. RTE. 2836	SECTION 06-00090-00-FP	COUNTY COOK	TOTAL SHEETS 200	SHEET NO. 42
	DRAWN - UKB	REVISED -		SCALE: HORIZ. 1"=20' / VERT. 1"=5'	STA. 176+00 TO STA. 181+00	FED. ROAD DIST. NO. 1	ILLINOIS FED. AID PROJECT	M-80031661	CONTRACT NO. 63635	
	CHECKED - TAO	REVISED -								
	DATE - 10/24/11	FILE - 060670-PH2-PP15.sht								

PROP. CURVE ORCHARD-12
 PI STA. = 186+38.19
 Δ = 30° 03' 05" (RT)
 D = 9° 32' 57"
 R = 600.00'
 T = 161.06'
 L = 314.70'
 E = 21.24'
 e = 1%
 T.R. = 60'
 S.E. RUN = 60'
 P.C. STA = 184+77.13
 P.T. STA = 187+91.83



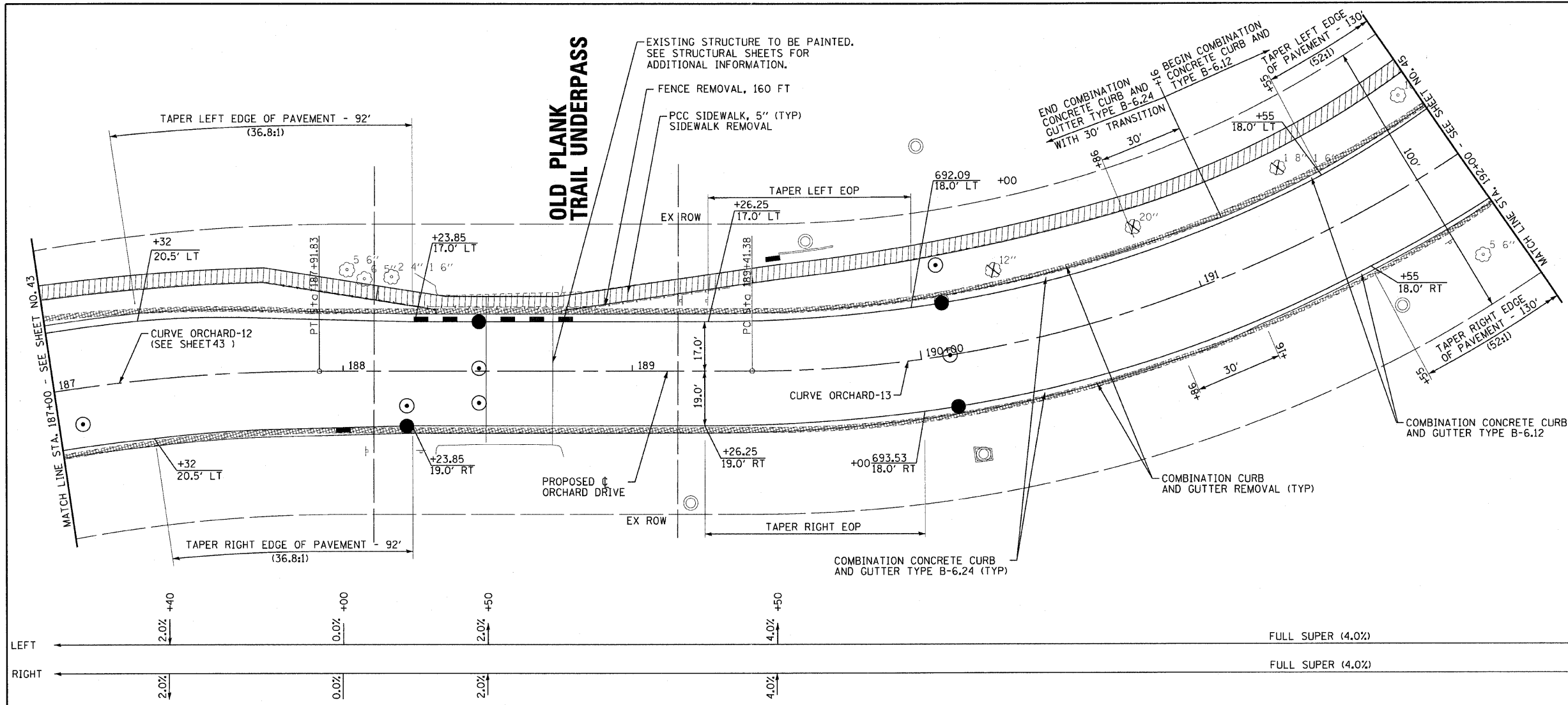
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 No. - 118-027191-0001
 PROJECT: ORCHARD DRIVE IMPROVEMENTS
 DATE: 10/27/2014

BAXTER & WOODMAN Consulting Engineers	DESIGNED - TLH	REVISED -
	DRAWN - UKB	REVISED -
	CHECKED - TAO	REVISED -
	DATE - 10/24/11	FILE - 060670-PH2-PP16.sht

STATE OF ILLINOIS
ORCHARD DRIVE IMPROVEMENTS

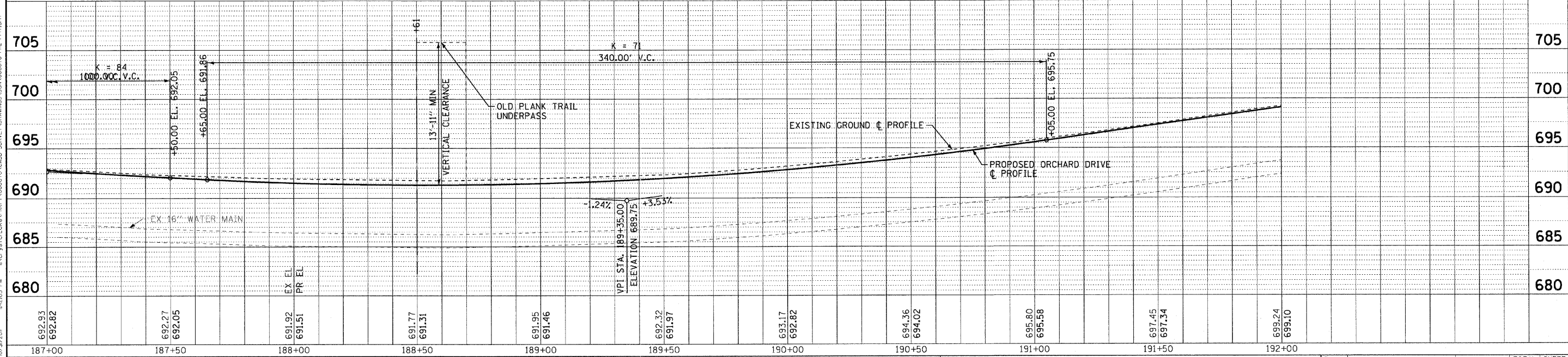
GEOMETRIC PLAN AND PROFILE ORCHARD DRIVE			
SCALE: HORIZ. 1"=20' / VERT. 1"=5'		STA. 181+00 TO STA. 187+00	
F.A.U. RTE. 2836	SECTION 06-00090-00-FP	COUNTY COOK	TOTAL SHEET NO. 43
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT M-80036611	CONTRACT NO. 63635



PROP. CURVE ORCHARD-13
 PI STA. = 191+08.38
 $\Delta = 42^\circ 00' 09''$ (LT)
 $D = 13^\circ 10' 17''$
 $R = 435.00'$
 $T = 166.99'$
 $L = 318.89'$
 $E = 30.95'$
 $e = 4.0\%$
 $T.R. = 50'$
 $S.E. RUN = 100'$
 $P.C. STA = 189+41.38$
 $P.T. STA = 192+60.27$

NOTE:
 ALL DIMENSIONS AND ELEVATIONS
 ARE TO THE EDGE OF PAVEMENT
 UNLESS OTHERWISE NOTED.

ORCHARD DRIVE



692.93	692.82	692.27	692.05	691.92	691.51	691.77	691.31	691.95	691.46	692.32	691.97	693.17	692.82	694.36	694.02	695.80	695.58	697.45	697.34	699.24	699.10
187+00	187+50	188+00	188+50	189+00	189+50	190+00	190+50	191+00	191+50	192+00											



DESIGNED - TLH	REVISED -
DRAWN - UKB	REVISED -
CHECKED - TAO	REVISED -
DATE - 10/24/11	FILE - 060670-PH2-PP17.shp

STATE OF ILLINOIS ORCHARD DRIVE IMPROVEMENTS

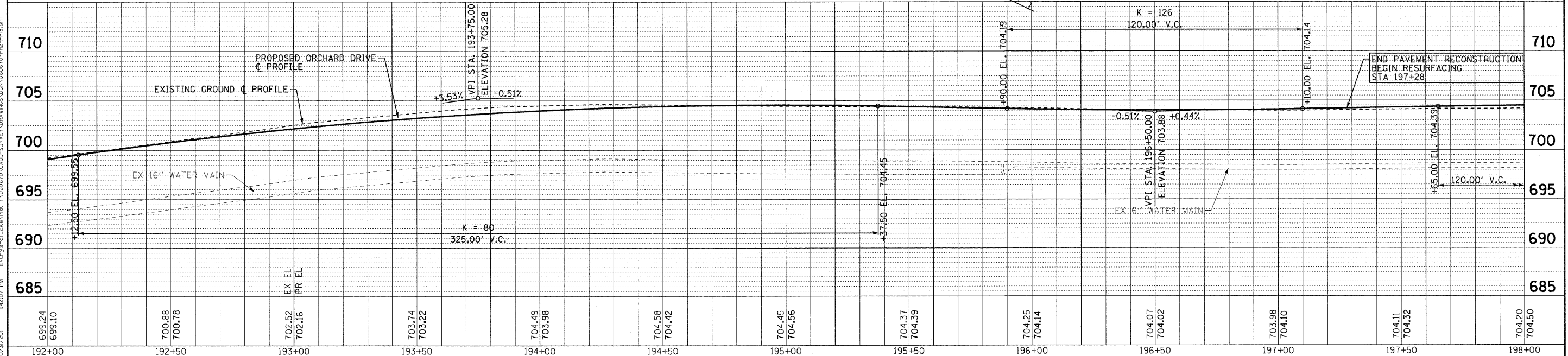
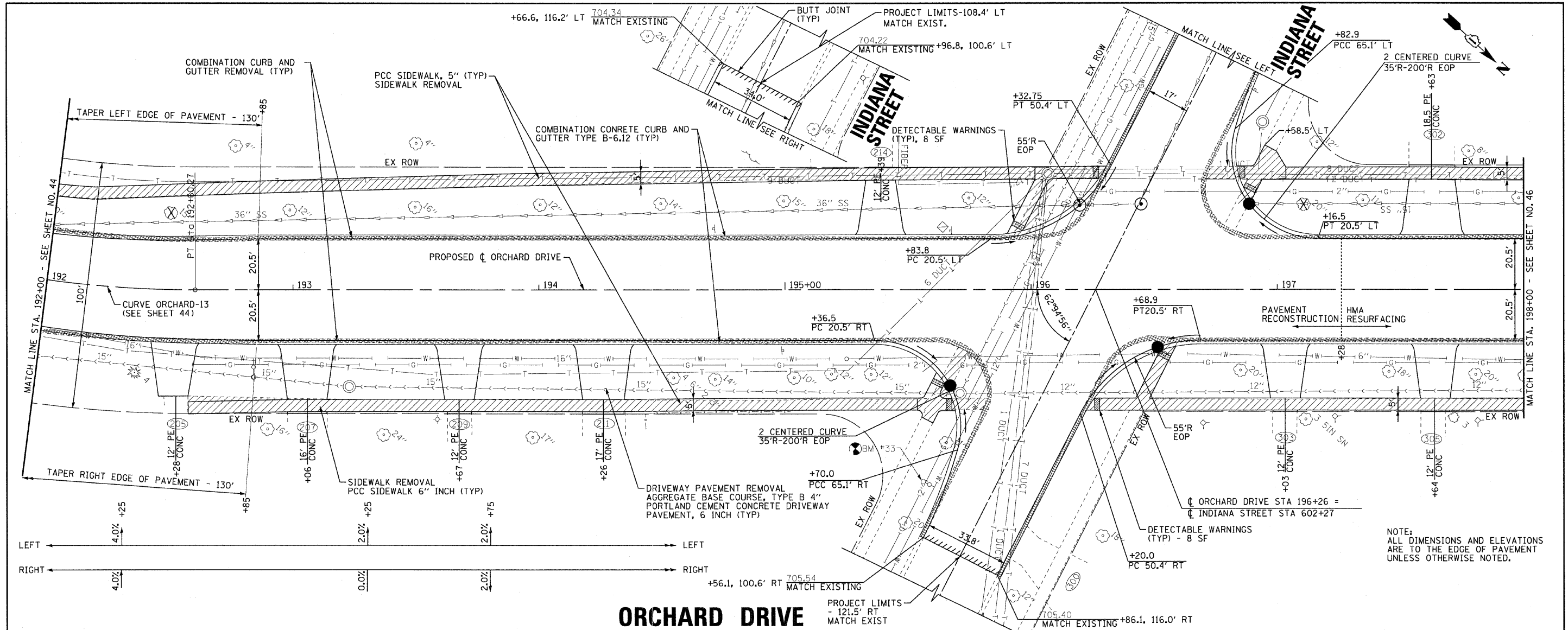
GEOMETRIC PLAN AND PROFILE ORCHARD DRIVE

F.A.U. RTE. 2836	SECTION 06-00090-00-FP	COUNTY COOK	TOTAL SHEETS 200	SHEET NO. 44
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 63635	

SCALE: HORIZ. 1"=20' / VERT. 1"=5' STA. 187+00 TO STA. 192+00

FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-8003661

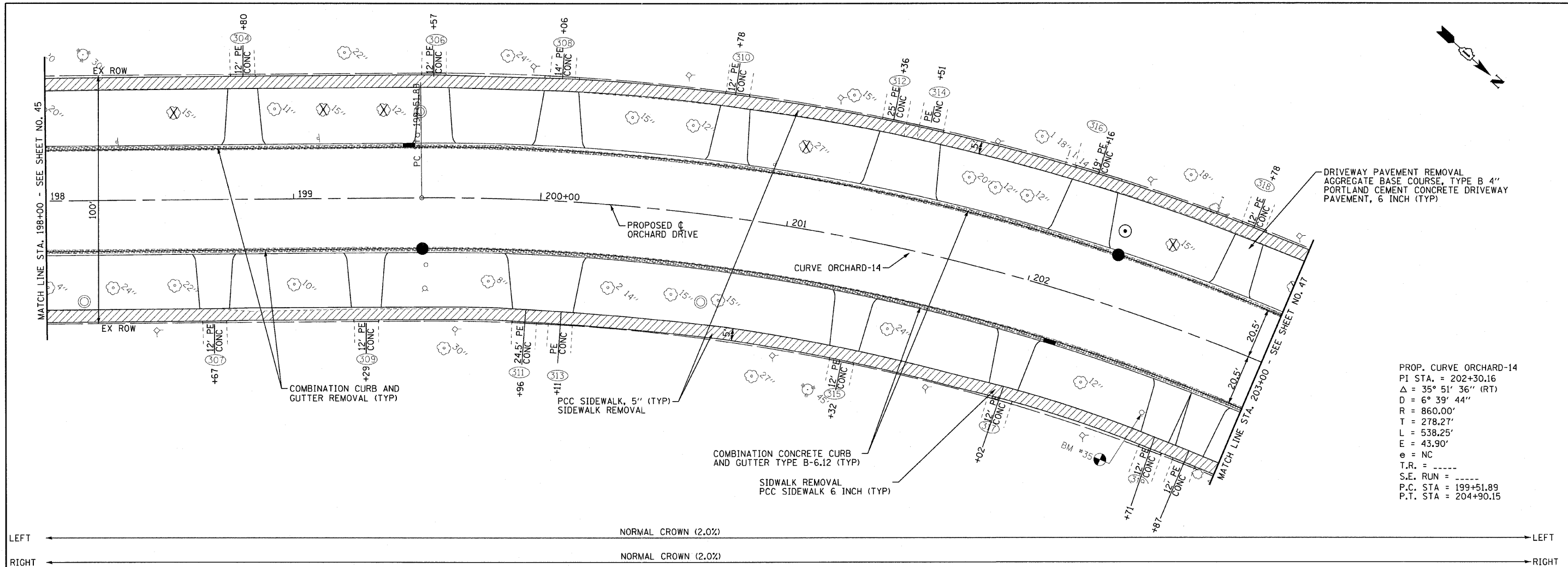
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 LICENSE NO. 06-00077-PPH2-PP17-PP18
 2011/10/24/11



699.24 699.10	700.88 700.78	702.52 702.16	703.74 703.22	704.49 703.98	704.58 704.42	704.45 704.56	704.37 704.39	704.25 704.14	704.07 704.02	703.98 704.10	704.11 704.32	704.20 704.50
192+00	192+50	193+00	193+50	194+00	194+50	195+00	195+50	196+00	196+50	197+00	197+50	198+00

	DESIGNED - TLH	REVISED -	STATE OF ILLINOIS ORCHARD DRIVE IMPROVEMENTS		GEOMETRIC PLAN AND PROFILE ORCHARD DRIVE		F.A.U. R.T.E. - 2836	SECTION - 06-00090-00-FP	COUNTY - COOK	TOTAL SHEETS - 200	SHEET NO. - 45
	DRAWN - UKB	REVISED -					SCALE: HORIZ. 1"=20' / VERT. 1"=5'		STA. 192+00 TO STA. 198+00		FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT M-80C36611
CHECKED - TAO	REVISED -	FILE - 060670-PH2-PP18.sht					CONTRACT NO. 63635				
DATE - 10/24/11	REVISED -										

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 LICENSE NO. 184-00321 EXP. 4/30/2013
 10/21/2011 10:50:07 PM



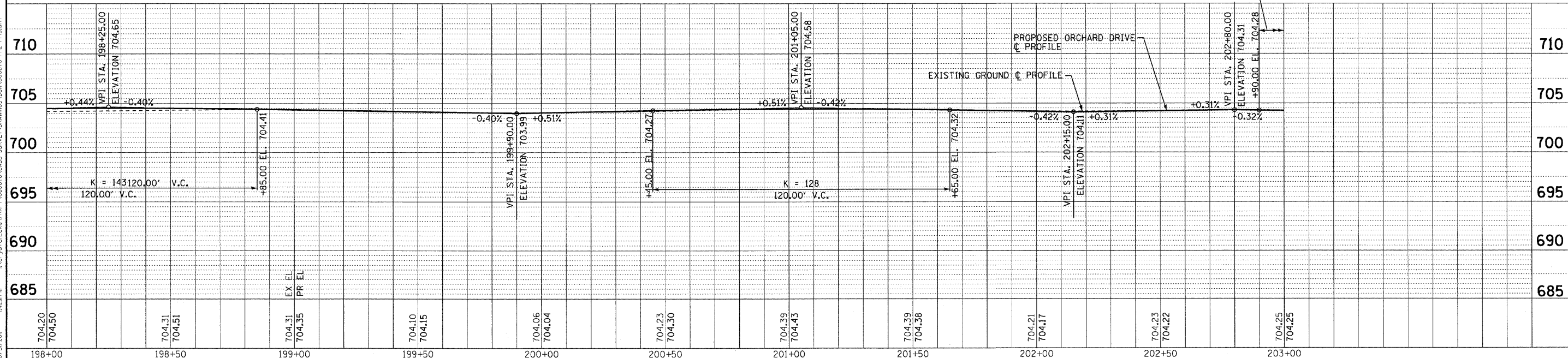
DRIVEWAY PAVEMENT REMOVAL
 AGGREGATE BASE COURSE, TYPE B 4"
 PORTLAND CEMENT CONCRETE DRIVEWAY
 PAVEMENT, 6 INCH (TYP)

PROP. CURVE ORCHARD-14
 PI STA. = 202+30.16
 $\Delta = 35^\circ 51' 36''$ (RT)
 $D = 6^\circ 39' 44''$
 $R = 860.00'$
 $T = 278.27'$
 $L = 538.25'$
 $e = 43.90'$
 $e = NC$
 $T.R. = \text{-----}$
 $S.E. RUN = \text{-----}$
 $P.C. STA = 199+51.89$
 $P.T. STA = 204+90.15$

LEFT ← NORMAL CROWN (2.0%) → LEFT
 RIGHT ← NORMAL CROWN (2.0%) → RIGHT

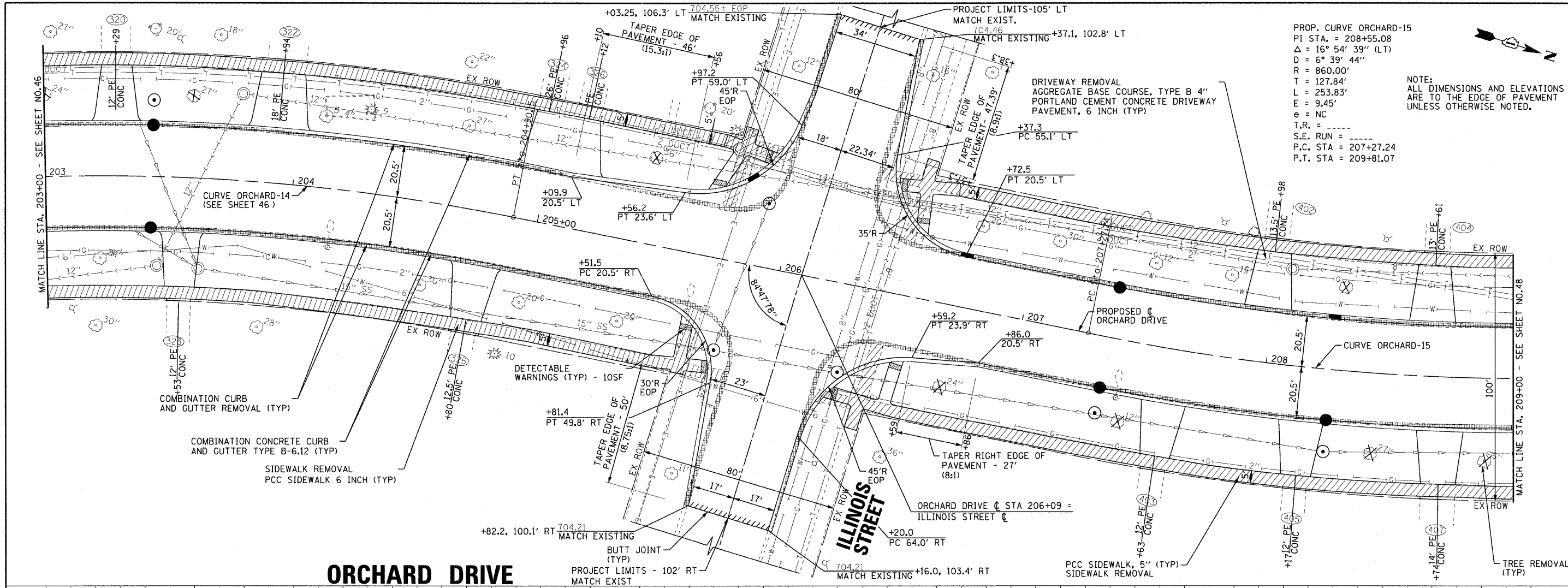
ORCHARD DRIVE

NOTE:
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 DATE - 10/24/11
 DRAWN BY - TAO
 CHECKED BY - TAO
 FILE - 060670-PH2-PP19.sht

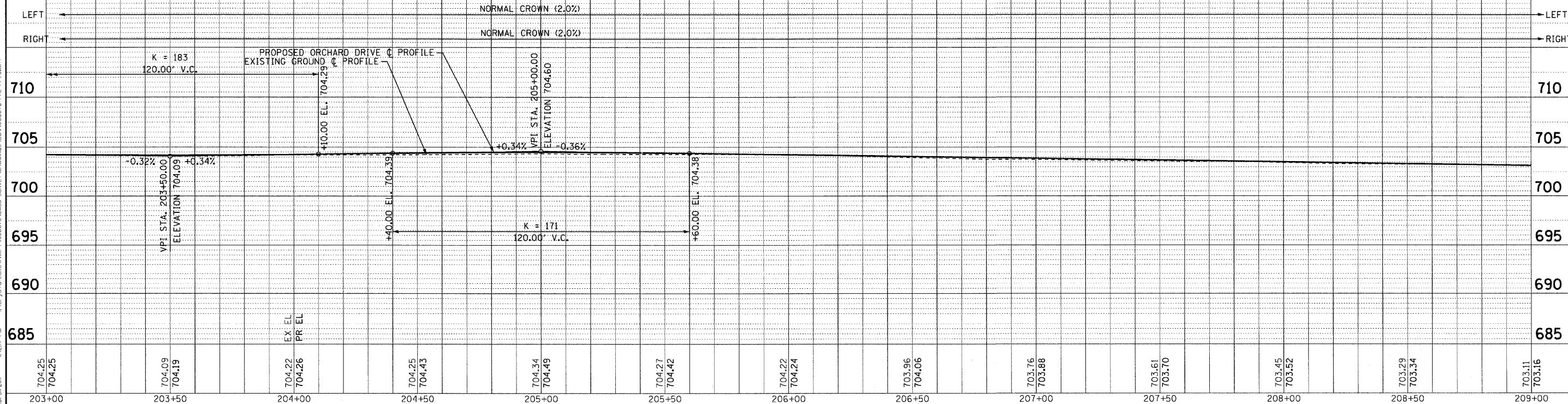
	DESIGNED - TLH	REVISED -	STATE OF ILLINOIS ORCHARD DRIVE IMPROVEMENTS	GEOMETRIC PLAN AND PROFILE ORCHARD DRIVE		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - LKB	REVISED -				2836	06-00090-00-FP	COOK	200	46
DATE - 10/24/11	CHECKED - TAO	FILE - 060670-PH2-PP19.sht	SCALE: HORIZ. 1"=20' / VERT. 1"=5'		STA. 198+00 TO STA. 203+00	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		CONTRACT NO. 63635		



PROP. CURVE ORCHARD-15
 PI STA. = 208+55.08
 $\Delta = 16^\circ 54' 39''$ (LT)
 $D = 6^\circ 39' 44''$
 $R = 860.00'$
 $T = 127.84'$
 $L = 253.83'$
 $E = 9.45'$
 $e = NC$
 T.R. = -----
 S.E. RUN = -----
 P.C. STA = 207+27.24
 P.T. STA = 209+81.07

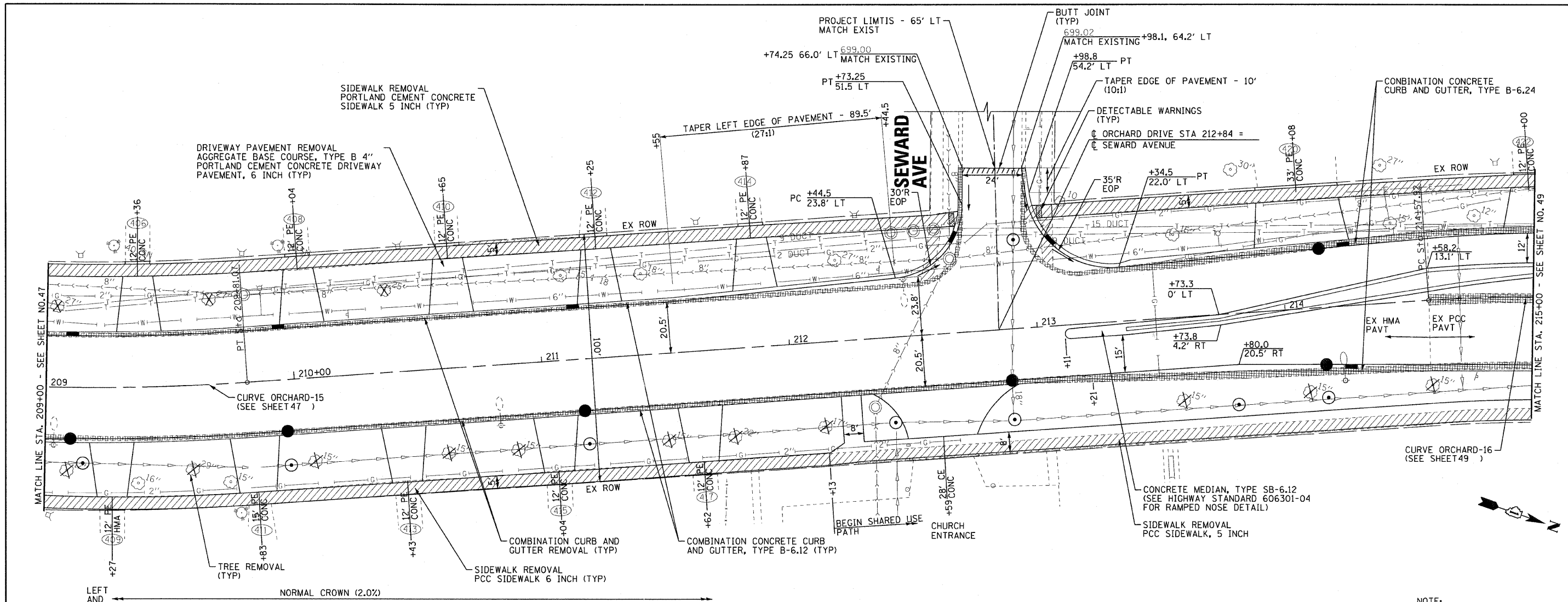
NOTE:
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 ARE TO THE EDGE OF PAVEMENT
 UNLESS OTHERWISE NOTED.

ORCHARD DRIVE

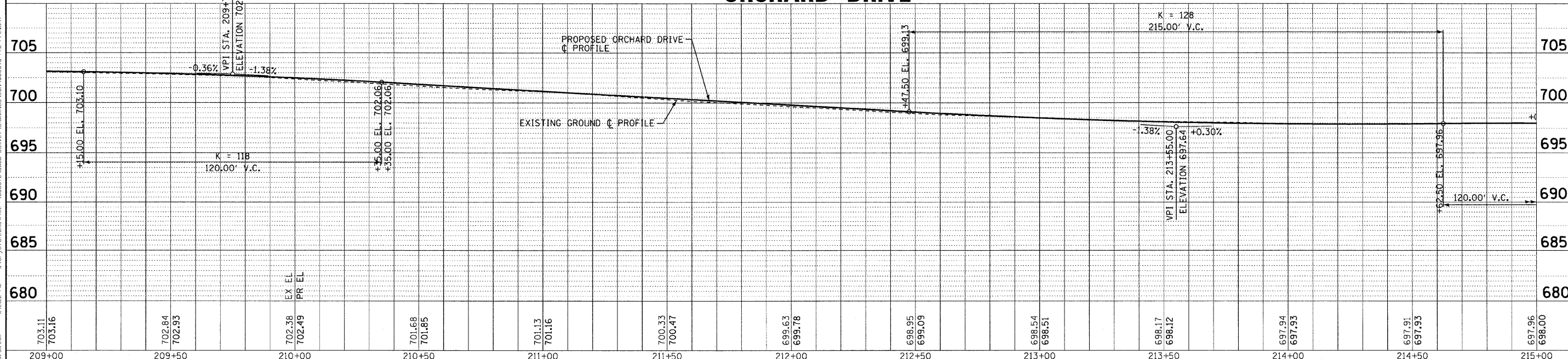


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 111 WEST WASHINGTON STREET, SUITE 1000, CHICAGO, IL 60601
 312.467.1200 FAX 312.467.1201

	DESIGNED - TLH	REVISED -	STATE OF ILLINOIS ORCHARD DRIVE IMPROVEMENTS	GEOMETRIC PLAN AND PROFILE ORCHARD DRIVE		F.A.U. RTE. 2836	SECTION 06-00090-00-FP	COUNTY COOK	TOTAL SHEETS 200	SHEET NO. 47	
	DRAWN - LKB	REVISED -		SCALE: HORIZ. 1"=20' / VERT. 1"=5'		STA. 203+00 TO STA. 209+00	FED. ROAD DIST. NO. 1	ILLINOIS FED. AID PROJECT	M-8003(666)	CONTRACT NO. 63635	
	CHECKED - TAO	REVISED -									
	DATE - 10/24/11	FILE - 060670-PH2-PP20.sht									



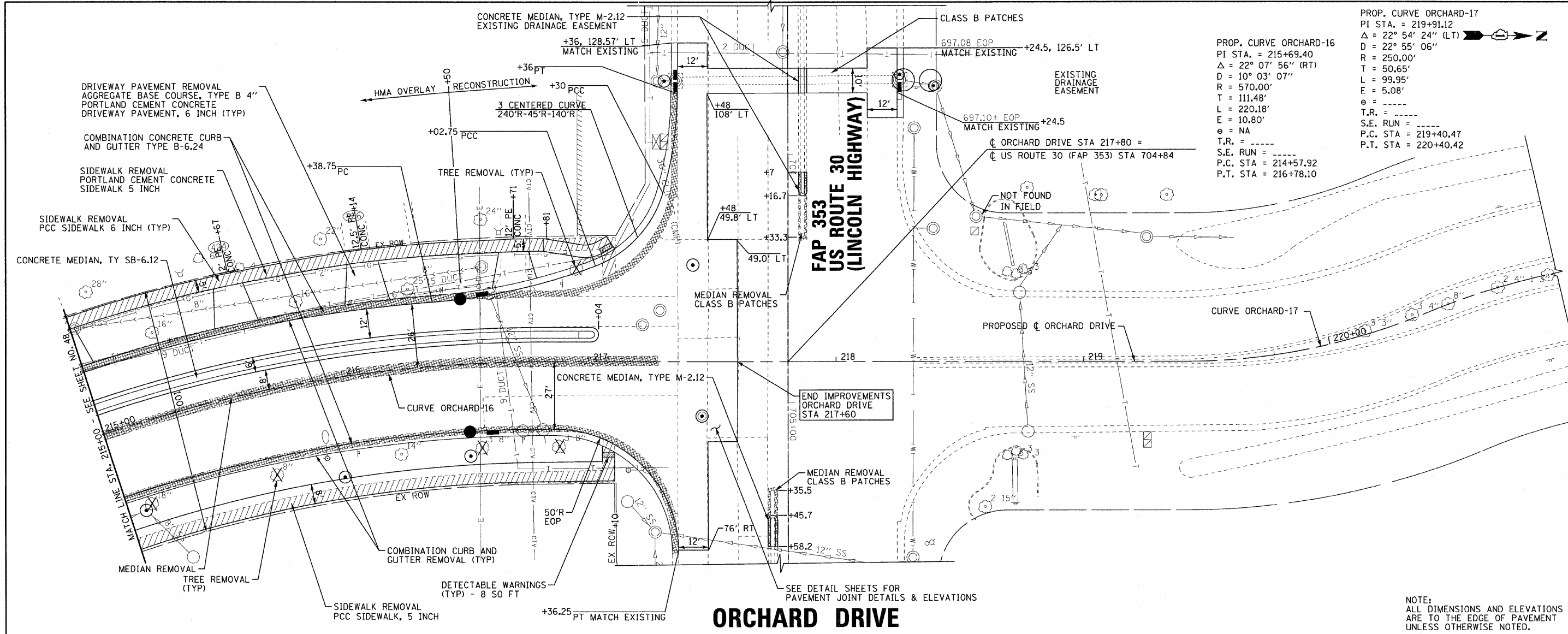
ORCHARD DRIVE



NOTE:
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 NO. - 18-0217201
 PROJECT NO. - 060670-PH2-PP21-011
 DATE - 10/24/11

	DESIGNED - TLH	REVISED -	STATE OF ILLINOIS ORCHARD DRIVE IMPROVEMENTS	GEOMETRIC PLAN AND PROFILE ORCHARD DRIVE		F.A.U. RTE. 2836	SECTION 06-00090-00-FP	COUNTY COOK	TOTAL SHEETS 200	SHEET NO. 48
	DRAWN - UKB	REVISED -		SCALE: HORIZ. 1"=20' / VERT. 1"=5'	STA. 209+00 TO STA. 215+00	FED. ROAD DIST. NO. 1	ILLINOIS FED. AID PROJECT	M-8003661	CONTRACT NO. 63635	
	CHECKED - TAO	REVISED -								
	DATE - 10/24/11	FILE - 060670-PH2-PP21.shx								



PROP. CURVE ORCHARD-17
 PI STA. = 219+91.12
 $\Delta = 22^\circ 54' 24''$ (LT)
 $D = 22^\circ 55' 06''$
 $R = 250.00'$
 $T = 50.65'$
 $L = 99.95'$
 $E = 5.08'$
 $e =$ ----
 $T.R. =$ ----
 $S.E. RUN =$ ----
 $P.C. STA = 219+40.47$
 $P.T. STA = 220+40.42$

PROP. CURVE ORCHARD-16
 PI STA. = 215+69.40
 $\Delta = 22^\circ 07' 56''$ (RT)
 $D = 10^\circ 03' 07''$
 $R = 570.00'$
 $T = 111.48'$
 $L = 220.18'$
 $E = 10.80'$
 $e = NA$
 $T.R. =$ ----
 $S.E. RUN =$ ----
 $P.C. STA = 214+57.92$
 $P.T. STA = 216+78.10$

NOTE:
 ALL DIMENSIONS AND ELEVATIONS
 ARE TO THE EDGE OF PAVEMENT
 UNLESS OTHERWISE NOTED.

Station	697.96	698.00	697.75	697.84	697.58	697.49	697.51	697.32	697.75	697.50	697.82	697.87	697.78	697.68	697.55	697.43	697.45	697.92	697.49
215+00																			
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DESIGNED - TLH
 DRAWN - UKB
 CHECKED - TAO
 DATE - 10/31/11

REVISED -
 REVISED -
 REVISED -
 FILE - 060670-PH2-PP22.shx

STATE OF ILLINOIS
ORCHARD DRIVE IMPROVEMENTS

GEOMETRIC PLAN AND PROFILE
ORCHARD DRIVE

SCALE: HORIZ. 1"=20' / VERT. 1"=5'
 STA. 215+00 TO STA. 217+38.09

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2836	06-00090-00-FP	COOK	200	49
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT			CONTRACT NO. 63635	
			W-8003661	

CONTRACT NO. 63635 BY BAXTER & WOODMAN, INC.
 STATE OF ILLINOIS PROFESSIONAL DESIGN FIRM
 LICENSE NO. 84-0021 - EXPIRES 4/30/2013
 2659 W. 116TH ST., CHICAGO, IL 60648

SUGGESTED MAINTENANCE OF TRAFFIC GENERAL NOTES

- EMERGENCY VEHICLE ACCESS SHALL BE MAINTAINED AT ALL TIMES. ANY SIGNIFICANT CHANGE IN TRAFFIC CONTROL SHALL HAVE PRIOR APPROVAL, AND THE CONTRACTOR SHALL PROVIDE A MINIMUM OF THREE (3) DAYS NOTICE IN ADVANCE OF CONSTRUCTION ACTIVITIES WHICH IMPACT EMERGENCY SERVICES. SHORT TERM LANE CLOSURES OF ONE LANE WITH FLAGGERS SHALL NOT BE ALLOWED EXCEPT WITHIN THE HOURS OF 9 AM TO 4 PM AND AS APPROVED BY THE ENGINEER.
- THE CONTRACTOR SHALL PROVIDE TEMPORARY ACCESS TO DRIVEWAYS AND SIDE ROADS DURING CONSTRUCTION. THIS WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR TEMPORARY ACCESS (ROAD), TEMPORARY ACCESS (PRIVATE ENTRANCE) AND TEMPORARY ACCESS (COMMERCIAL ENTRANCE).
- EROSION AND SEDIMENT CONTROLS SHALL BE INSTALLED PRIOR TO THE START OF CONSTRUCTION WITH CONTINUED MAINTENANCE FOR THE DURATION OF CONSTRUCTION. SEE EROSION CONTROL SHEETS FOR ADDITIONAL INFORMATION.
- ALL TEMPORARY OR SHORT TERM PAVEMENT MARKINGS SHOWING DETERIORATION SHALL BE REPLACED BY THE CONTRACTOR AS DETERMINED BY THE ENGINEER. PROVISIONS EXIST FOR THE TEMPORARY OR SHORT TERM PAVEMENT MARKINGS TO BE INSTALLED ONCE AND REPLACED ONE TIME. ALL MARKINGS REQUIRING REPLACEMENT BEYOND THIS ONE TIME SHALL BE REPLACED BY THE CONTRACTOR AT THEIR OWN EXPENSE.
- TYPE I OR II BARRICADES, DRUMS AND VERTICAL PANELS SHALL BE EQUIPPED WITH STEADY BURN MONO-DIRECTIONAL LIGHTS. PLACEMENT SHALL BE AT 50 FOOT INTERVALS ALONG WORK AREAS, 25 FOOT INTERVALS WHERE DIRECTION CHANGES AND TAPERS OCCUR, WHERE INDICATED ON THE PLANS, AND AS DIRECTED BY THE ENGINEER.
- TEMPORARY ROAD CLOSURES AT THE INTERSECTIONS OF ORCHARD DRIVE & NORTH STREET, ORCHARD DRIVE & WESTWOOD DRIVE, ORCHARD DRIVE & INDIANA STREET SHALL BE RESTRICTED TO WEEKEND OPERATIONS ONLY AND SHALL NOT EXCEED 2 WORKING DAYS. CONTRACTOR SHALL PROVIDE A TEMPORARY ACCESS (ROAD) AT THE END OF EACH WORK DAY FOR LOCAL ACCESS.
- THE FURNISHING, INSTALLATION, AND RELOCATION OF ALL TRAFFIC SIGNS SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION FOR TEMPORARY DETOUR. ALL CONFLICTING TRAFFIC SIGNS SHALL BE COVERED AS DIRECTED BY THE ENGINEER.

SUGGESTED SEQUENCE OF CONSTRUCTION

STAGE 1 (US ROUTE 30)

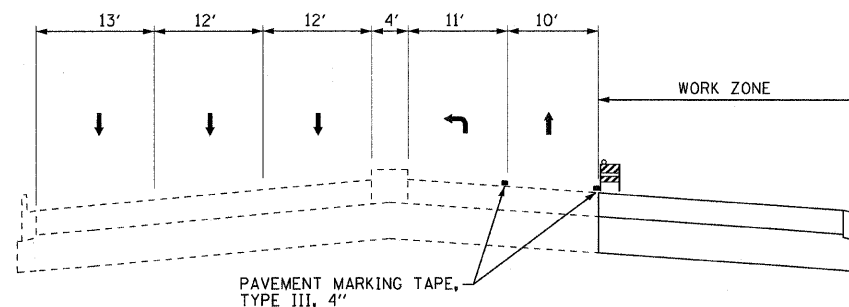
- WORK TO BE COMPLETED DURING TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 1 AT US 30 AND ORCHARD DRIVE.
- INSTALL STORM SEWER TO ESTABLISH DRAINAGE OUTFALL AT THE NORTH END OF ORCHARD ROAD NEAR US ROUTE 30. COMPLETE WORK ON MEDIAN NOSES ON EAST AND WEST LEG OF US30 USING IDOT STANDARD 701602-05.
- CLOSE WESTBOUND LANES UTILIZING IDOT STANDARD 701601-07. COMPLETE THE CONSTRUCTION OF THE STORM SEWER ACROSS THE WESTBOUND LANES. INSTALL TEMPORARY HMA PATCH ACROSS TRENCH. MAINTAIN AT LEAST ONE WESTBOUND LANE AT ALL TIMES.
- CLOSE EASTBOUND LANES AND LEFT TURN BAY UTILIZING IDOT STANDARDS 701601-07 AND 701602-05. COMPLETE THE CONSTRUCTION OF MAINLINE STORM SEWER. MAINTAIN AT LEAST ONE EASTBOUND LANE AT ALL TIMES.
- REMOVE TEMPORARY HMA PAVEMENT AND INSTALL CLASS C PATCH UTILIZING STANDARDS 701601-07 AND 701602-05. MAINTAIN AT LEAST ONE LANE IN EACH DIRECTION AT ALL TIMES.

STAGE 2 (ORCHARD DRIVE)

- WORK TO BE COMPLETED DURING TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 2 AT US 30 AND ORCHARD DRIVE.
- CLOSE WESTBOUND LEFT TURN LANE USING DRUMS SPACED 25'.
- INSTALL SOUTHBOUND ORCHARD DRIVE DETOUR ROUTE AS SHOWN ON THE SUGGESTED MOT PLANS.
- SHIFT TRAFFIC TO THE WEST SIDE OF ORCHARD DRIVE FROM LAKEWOOD BOULEVARD TO US ROUTE 30. INSTALL STORM SEWERS, HOT-MIX ASPHALT PAVEMENT, COMBINATION CONCRETE CURB AND GUTTER, AND APPURTENANCES AS SHOWN ON THE PLANS.
- MAINTAIN NORTHBOUND TRAFFIC FLOW AS SHOWN ON THE PLANS.

STAGE 3 (ORCHARD DRIVE)

- WORK TO BE COMPLETED DURING TEMPORARY SIGNAL PLAN - STAGE 3 AT US 30 AND ORCHARD DRIVE.
- SHIFT TRAFFIC TO THE EAST SIDE OF ORCHARD DRIVE FROM LAKEWOOD BOULEVARD TO US ROUTE 30. INSTALL STORM SEWERS, HOT-MIX ASPHALT PAVEMENT, COMBINATION CONCRETE CURB AND GUTTER, AND APPURTENANCES AS SHOWN ON THE PLANS.
- MAINTAIN NORTHBOUND TRAFFIC FLOW AS SHOWN ON THE PLANS.

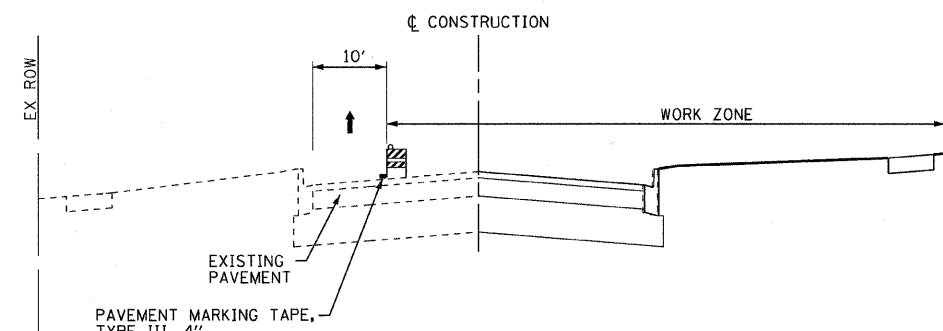


**US ROUTE 30 (LINCOLN HIGHWAY)
STAGE 1**

STA 703+75 TO STA 705+60

LEGEND

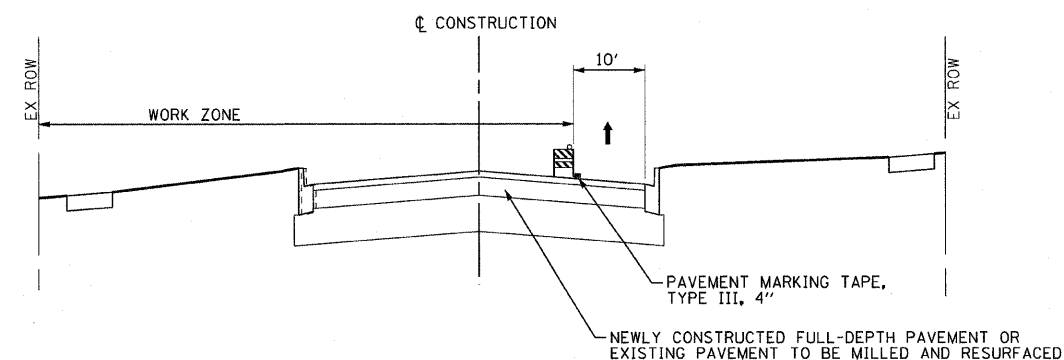
- ◄ EXISTING PAVEMENT MARKINGS
- ▲ TEMPORARY PAVEMENT MARKINGS
- ↑ DIRECTION OF TRAFFIC
- ▬ TEMPORARY CONCRETE BARRIER
- ▨ TYPE II BARRICADES OR DRUMS
- EXISTING ROADWAY
- ▬ PROPOSED ROADWAY
- ▨ PAVEMENT REMOVAL



**ORCHARD DRIVE
STAGE 2**

LOOKING NORTH
(NOT TO SCALE)

LAKEWOOD BLVD TO US ROUTE 30



**ORCHARD DRIVE
STAGE 3**

LOOKING NORTH
(NOT TO SCALE)

LAKEWOOD BLVD TO US ROUTE 30

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 1500 RIVERVIEW DRIVE, SUITE 200
 CHICAGO, IL 60607-2100
 TEL: 312.329.8000
 FAX: 312.329.8001



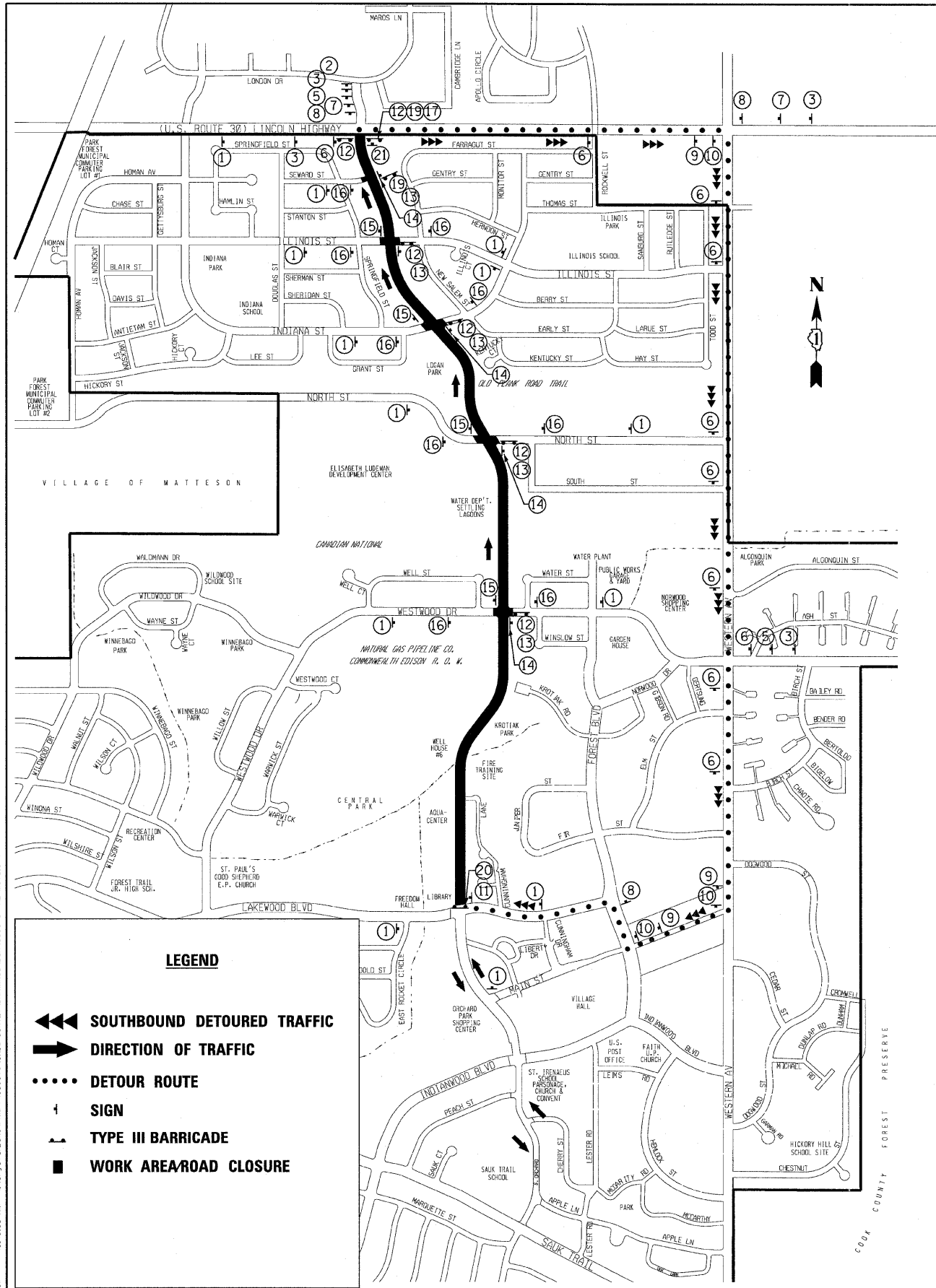
DESIGNED - MWP	REVISED -
DRAWN - MAC	REVISED -
CHECKED - TAO	REVISED -
DATE - 10/24/11	FILE - 060670-PH2-MOT1.shx

**STATE OF ILLINOIS
ORCHARD DRIVE IMPROVEMENTS**

**SUGGESTED MAINTENANCE OF TRAFFIC
AND TYPICAL SECTIONS**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2836	06-00090-00-FP	COOK	200	50
CONTRACT NO. 63635				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-800366D				

SCALE: STA. TO STA.



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 PROJECT: SURVEY DRAWINGS, DCN 0606 TO PH2-MOT3.sht
 DRAWN BY: RKM
 CHECKED BY: TAO
 DATE: 10/31/11
 FILE: 060670-PH2-MOT3.sht

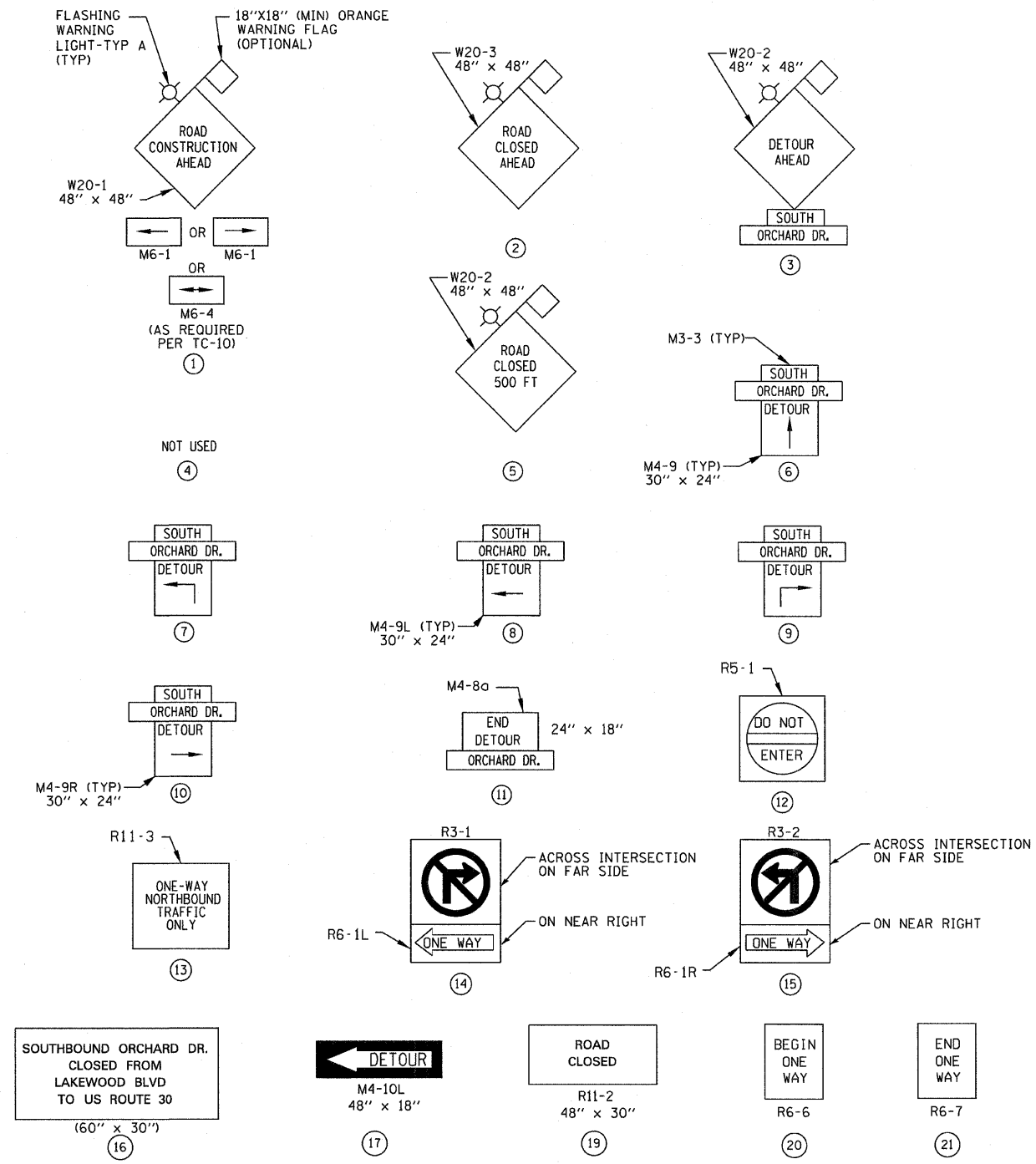


DESIGNED - MWP	REVISED -
DRAWN - RKM	REVISED -
CHECKED - TAO	REVISED -
DATE - 10/31/11	FILE - 060670-PH2-MOT3.sht

**STATE OF ILLINOIS
ORCHARD DRIVE IMPROVEMENTS**

SUGGESTED MAINTENANCE OF TRAFFIC - DETOUR PLAN

SCALE: STA. TO STA.



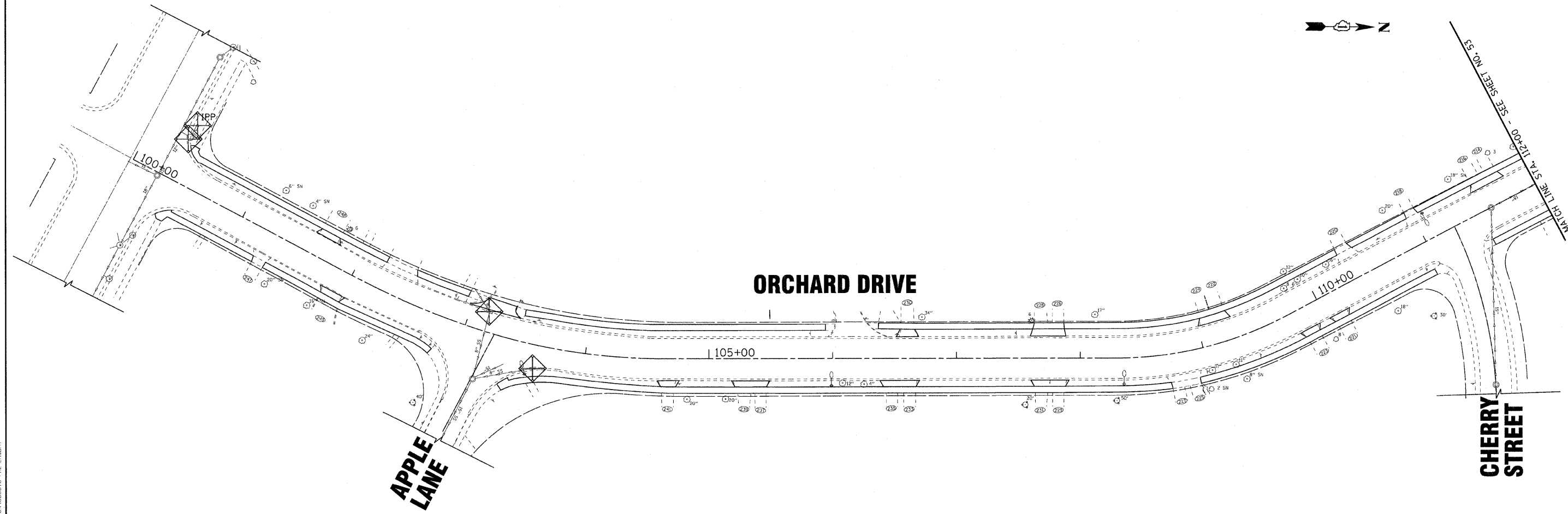
SIGN DETAILS

- NOTE:**
- SEE SHEET 50 FOR SUGGESTED MAINTENANCE OF TRAFFIC NOTES.
 - THE CONTRACTOR SHALL BE REQUIRED TO MAINTAIN ACCESS TO THE AQUA CENTER, WELL HOUSE #6, AND THE FIRE TRAINING SITE AT ALL TIMES. THIS WORK SHALL BE INCLUDED IN THE COST OF TEMPORARY ACCESS (COMMERCIAL ENTRANCE).
 - REFER TO DISTRICT DETAIL TC-21 FOR SIGN SPACING.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
283G	06-00090-00-FP	COOK	200	51
CONTRACT NO. 63635				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-80036611				

GENERAL SOIL EROSION AND SEDIMENT CONTROL NOTES

FOR NOTES SEE SHEET 55



- LEGEND**
- PERIMETER EROSION BARRIER
 - INLET FILTERS
 - INLET AND PIPE PROTECTION
 - TEMPORARY DITCH CHECKS

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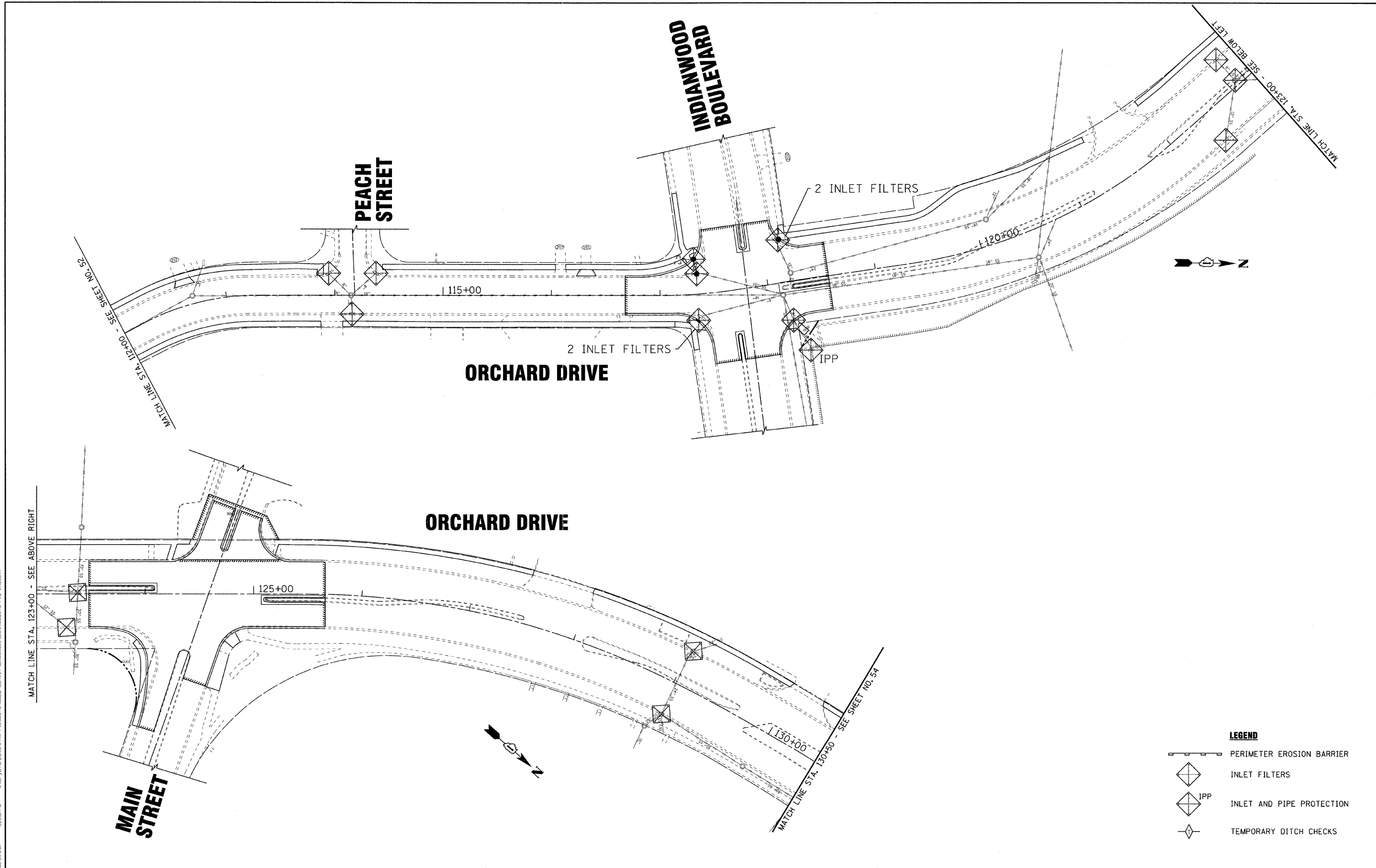
DESIGNED - TLH	REVISED -
DRAWN - CJC	REVISED -
CHECKED - LDH	REVISED -
DATE - 10/24/11	FILE - 060670-PH2-ERI.sht

**STATE OF ILLINOIS
ORCHARD DRIVE IMPROVEMENTS**

**EROSION CONTROL PLAN
ORCHARD DRIVE**

SCALE: 1"=40' STA. 100+00 TO STA. 112+00

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2836	06-00090-00-FP	COOK	200	52
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63635	
			M-8003(661)	



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DESIGNED - TLH	REVISED -
DRAWN - CJC	REVISED -
CHECKED - LDH	REVISED -
DATE - 10/24/11	FILE - 060670-PH2-ER2.shx

STATE OF ILLINOIS
ORCHARD DRIVE IMPROVEMENTS

EROSION CONTROL PLAN
ORCHARD DRIVE

SCALE: 1"=40'

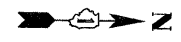
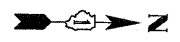
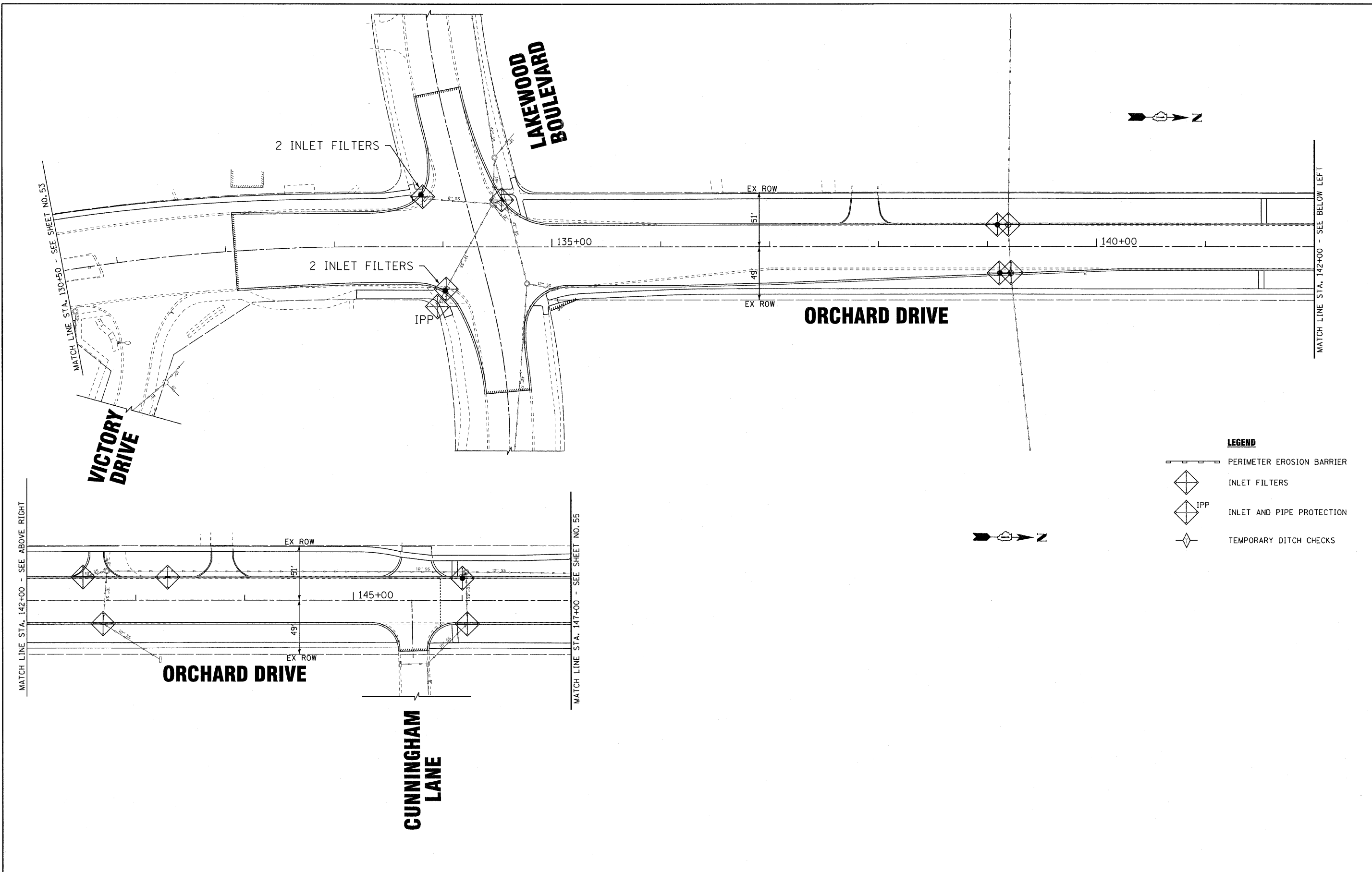
STA. 112+00 TO STA. 130+50

LEGEND

	PERIMETER EROSION BARRIER
	INLET FILTERS
	INLET AND PIPE PROTECTION
	TEMPORARY DITCH CHECKS

F.A.J. RTE. 2836	SECTION 06-00090-00-FP	COUNTY COOK	TOTAL SHEETS 200	SHEET NO. 53
FED. ROAD DIST. NO. 1			ILLINOIS FED. AID PROJECT M-80031667	
CONTRACT NO. 63635				

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 LICENSE NO. 06-00090-00-PP
 PROJECT NO. 060670-PH2-ER3
 DATE 10/24/11
 FILE - 060670-PH2-ER3.sht



LEGEND

- PERIMETER EROSION BARRIER
- INLET FILTERS
- INLET AND PIPE PROTECTION
- TEMPORARY DITCH CHECKS



DESIGNED - TLH	REVISED -
DRAWN - CJC	REVISED -
CHECKED - LDH	REVISED -
DATE - 10/24/11	FILE - 060670-PH2-ER3.sht

**STATE OF ILLINOIS
 ORCHARD DRIVE IMPROVEMENTS**

**EROSION CONTROL PLAN
 ORCHARD DRIVE**

SCALE: 1"=40'

STA. 130+00 TO STA. 147+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2836	06-00090-00-PP	COOK	200	54
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63635	
			M-8003661	

MAINTENANCE SCHEDULE

1. SILT FENCE - AT A MINIMUM, THE CONTRACTOR SHALL INSPECT ALL SILT FENCE WEEKLY OR AFTER EACH ONE-HALF INCH OR GREATER RAINFALL EVENT. ANY REQUIRED REPAIRS SHALL BE MADE BY THE CONTRACTOR TO KEEP THE SILT FENCE FUNCTIONAL AS DESIGNED.
2. HEAVY DUTY EROSION BLANKET - AT A MINIMUM, THE CONTRACTOR SHALL INSPECT ALL EROSION BLANKET WEEKLY OR AFTER EACH ONE-HALF INCH OR GREATER RAINFALL EVENT. ANY REQUIRED REPAIRS SHALL BE MADE BY THE CONTRACTOR TO KEEP THE HEAVY DUTY EROSION BLANKET FUNCTIONAL AS DESIGNED.
3. TEMPORARY DITCH CHECKS - AT A MINIMUM, THE CONTRACTOR SHALL INSPECT ALL TEMPORARY DITCH CHECKS WEEKLY OR AFTER EACH ONE-HALF INCH OR GREATER RAINFALL EVENT. ANY REQUIRED REPAIRS SHALL BE MADE BY THE CONTRACTOR TO KEEP THE DITCH CHECK FUNCTIONAL AS DESIGNED.
4. THE EROSION CONTROL QUANTITIES PROVIDED IN THE PLANS ARE APPROXIMATE. THE ACTUAL NEED FOR QUANTITIES WILL BE DETERMINED IN THE FIELD BY THE ENGINEER AT THE TIME OF CONSTRUCTION.

SOIL STABILIZATION CHART

STABILIZATION TYPE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
CLASS 4 NATIVE GRASS MIXTURE				██████████	██████████			██████████	██████████			
SEEDING, CLASS 7 (TEMPORARY SEED)			██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████		

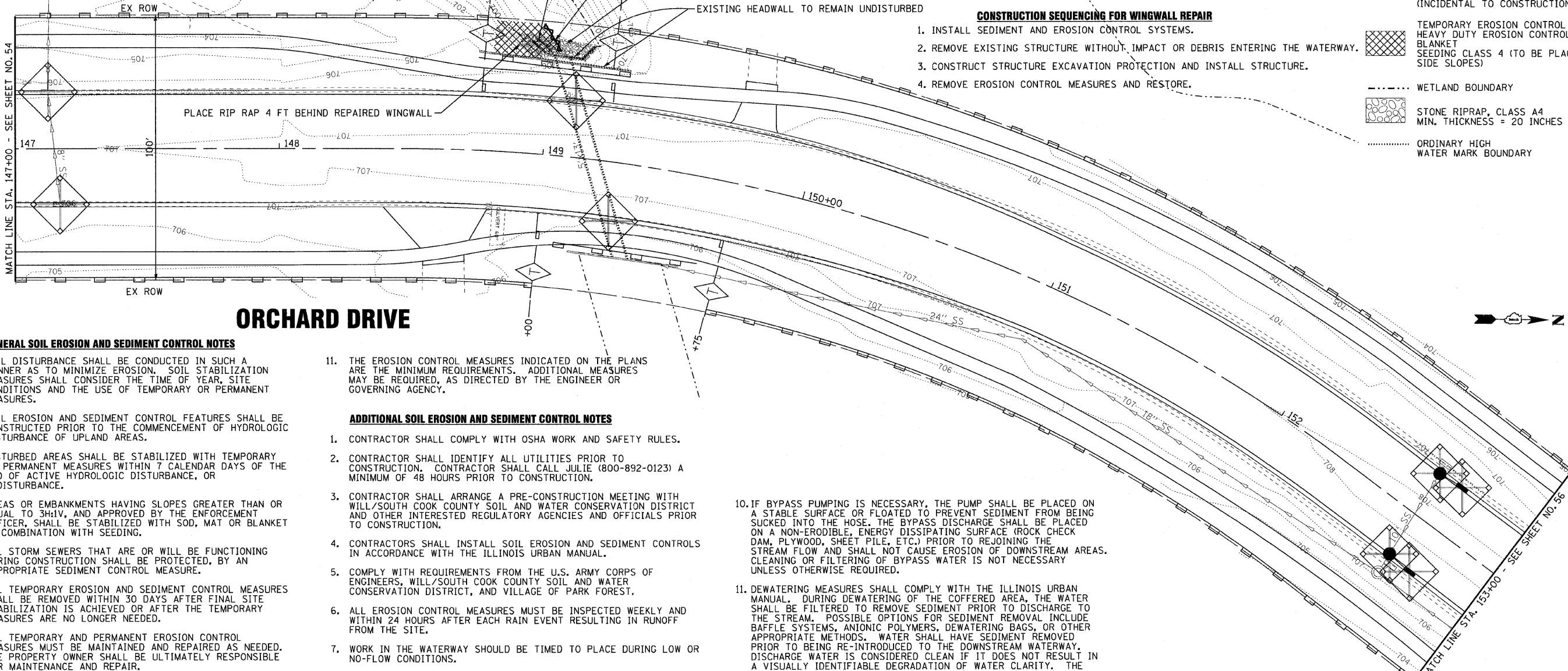
MINIMUM SEEDING RATE OF APPLICATION CL 7 (114 LB/ACRE), CL 4A (38 LB/ACRE), CL 4B (38 LB/ACRE)

LEGEND

- PERIMETER EROSION BARRIER
- INLET FILTERS
- IPP
- INLET AND PIPE PROTECTION
- TEMPORARY DITCH CHECKS
- COFFERDAM OR ALTERNATIVE METHOD OF DEWATERING AS APPROVED BY THE ENGINEER (INCIDENTAL TO CONSTRUCTION)
- TEMPORARY EROSION CONTROL SEEDING HEAVY DUTY EROSION CONTROL BLANKET SEEDING CLASS 4 (TO BE PLACED ON SIDE SLOPES)
- WETLAND BOUNDARY
- STONE RIPRAP, CLASS A4 MIN. THICKNESS = 20 INCHES
- ORDINARY HIGH WATER MARK BOUNDARY

CONSTRUCTION SEQUENCING FOR WINGWALL REPAIR

1. INSTALL SEDIMENT AND EROSION CONTROL SYSTEMS.
2. REMOVE EXISTING STRUCTURE WITHOUT IMPACT OR DEBRIS ENTERING THE WATERWAY.
3. CONSTRUCT STRUCTURE EXCAVATION PROTECTION AND INSTALL STRUCTURE.
4. REMOVE EROSION CONTROL MEASURES AND RESTORE.



ORCHARD DRIVE

GENERAL SOIL EROSION AND SEDIMENT CONTROL NOTES

1. SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. SOIL STABILIZATION MEASURES SHALL CONSIDER THE TIME OF YEAR, SITE CONDITIONS AND THE USE OF TEMPORARY OR PERMANENT MEASURES.
2. SOIL EROSION AND SEDIMENT CONTROL FEATURES SHALL BE CONSTRUCTED PRIOR TO THE COMMENCEMENT OF HYDROLOGIC DISTURBANCE OF UPLAND AREAS.
3. DISTURBED AREAS SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN 7 CALENDAR DAYS OF THE END OF ACTIVE HYDROLOGIC DISTURBANCE, OR DEDISTURBANCE.
4. AREAS OR EMBANKMENTS HAVING SLOPES GREATER THAN OR EQUAL TO 3H:1V, AND APPROVED BY THE ENFORCEMENT OFFICER, SHALL BE STABILIZED WITH SOD, MAT OR BLANKET IN COMBINATION WITH SEEDING.
5. ALL STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED, BY AN APPROPRIATE SEDIMENT CONTROL MEASURE.
6. 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.
7. ALL TEMPORARY AND PERMANENT EROSION CONTROL MEASURES MUST BE MAINTAINED AND REPAIRED AS NEEDED. THE PROPERTY OWNER SHALL BE ULTIMATELY RESPONSIBLE FOR MAINTENANCE AND REPAIR.
8. A STABILIZED MAT OF AGGREGATE UNDERLAIN WITH FILTER CLOTH (OR OTHER APPROPRIATE MEASURE) SHALL BE LOCATED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE TO OR FROM A PUBLIC RIGHT-OF-WAY, STREET, ALLEY OR PARKING AREA. ANY SEDIMENT OR SOIL REACHING AN IMPROVED PUBLIC RIGHT-OF-WAY, STREET, ALLEY OR PARKING AREA SHALL BE REMOVED BY SCRAPPING OR STREET CLEANING AS ACCUMULATIONS WARRANT AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA.
9. SOIL STOCKPILES SHALL NOT BE LOCATED IN A FLOOD PRONE AREA, OVERLAND FLOW ROUTES, OR A DESIGNATED BUFFER PROTECTING WETLANDS OR STREAMS.
10. IF DEWATERING SERVICES ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION. DISCHARGES SHALL BE ROUTED THROUGH AN EFFECTIVE SEDIMENT CONTROL MEASURE (e.g. SEDIMENT TRAP, SEDIMENT BASIN, OR OTHER APPROPRIATE MEASURE).

11. THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER OR GOVERNING AGENCY.

ADDITIONAL SOIL EROSION AND SEDIMENT CONTROL NOTES

1. CONTRACTOR SHALL COMPLY WITH OSHA WORK AND SAFETY RULES.
2. CONTRACTOR SHALL IDENTIFY ALL UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL CALL JULIE (800-892-0123) A MINIMUM OF 48 HOURS PRIOR TO CONSTRUCTION.
3. CONTRACTOR SHALL ARRANGE A PRE-CONSTRUCTION MEETING WITH WILL/SOUTH COOK COUNTY SOIL AND WATER CONSERVATION DISTRICT AND OTHER INTERESTED REGULATORY AGENCIES AND OFFICIALS PRIOR TO CONSTRUCTION.
4. CONTRACTORS SHALL INSTALL SOIL EROSION AND SEDIMENT CONTROLS IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL.
5. COMPLY WITH REQUIREMENTS FROM THE U.S. ARMY CORPS OF ENGINEERS, WILL/SOUTH COOK COUNTY SOIL AND WATER CONSERVATION DISTRICT, AND VILLAGE OF PARK FOREST.
6. ALL EROSION CONTROL MEASURES MUST BE INSPECTED WEEKLY AND WITHIN 24 HOURS AFTER EACH RAIN EVENT RESULTING IN RUNOFF FROM THE SITE.
7. WORK IN THE WATERWAY SHOULD BE TIMED TO PLACE DURING LOW OR NO-FLOW CONDITIONS.
8. WING WALL REPAIR WORK SHALL BE CONDUCTED IN-THE-DRY. STREAM FLOW MUST BE ISOLATED FROM THE WORK AREA USING A NON-ERODIBLE COFFERDAM (STEEL SHEETS, PRE-FABRICATED RIGID COFFERDAMS, INFLATABLE BLADDERS, SAND BAGS, ETC.). EXACT MEANS AND METHODS SHOULD BE DISCUSSED DURING THE SCHEDULED PRE-CONSTRUCTION MEETING.
9. WORK MAY NOT BE PERFORMED IN THE WATER, EXCEPT FOR THE PLACEMENT OF THE MATERIALS NECESSARY FOR THE CONSTRUCTION OF THE COFFERDAM. THE COFFERDAM MUST BE CONSTRUCTED FROM THE UPLAND AREA AND NO EQUIPMENT MAY ENTER THE WATER AT ANY TIME. ONCE THE COFFERDAM IS IN PLACE AND THE ISOLATED AREA IS DEWATERED, EQUIPMENT MAY ENTER THE COFFERED AREA TO PERFORM THE REQUIRED WORK.
10. IF BYPASS PUMPING IS NECESSARY, THE PUMP SHALL BE PLACED ON A STABLE SURFACE OR FLOATED TO PREVENT SEDIMENT FROM BEING SUCKED INTO THE HOSE. THE BYPASS DISCHARGE SHALL BE PLACED ON A NON-ERODIBLE, ENERGY DISSIPATING SURFACE (ROCK CHECK DAM, PLYWOOD, SHEET PILE, ETC.) PRIOR TO REJOINING THE STREAM FLOW AND SHALL NOT CAUSE EROSION OF DOWNSTREAM AREAS. CLEANING OR FILTERING OF BYPASS WATER IS NOT NECESSARY UNLESS OTHERWISE REQUIRED.
11. DEWATERING MEASURES SHALL COMPLY WITH THE ILLINOIS URBAN MANUAL. DURING DEWATERING OF THE COFFERED AREA, THE WATER SHALL BE FILTERED TO REMOVE SEDIMENT PRIOR TO DISCHARGE TO THE STREAM. POSSIBLE OPTIONS FOR SEDIMENT REMOVAL INCLUDE BAFFLE SYSTEMS, ANIONIC POLYMERS, DEWATERING BAGS, OR OTHER APPROPRIATE METHODS. WATER SHALL HAVE SEDIMENT REMOVED PRIOR TO BEING RE-INTRODUCED TO THE DOWNSTREAM WATERWAY. DISCHARGE WATER IS CONSIDERED CLEAN IF IT DOES NOT RESULT IN A VISUALLY IDENTIFIABLE DEGRADATION OF WATER CLARITY. THE DISCHARGE FROM THE DEWATERING DEVICE SHALL NOT CAUSE EROSION.
12. THE SIDE SLOPES MUST BE RESEEDED AND STABILIZED IMMEDIATELY AFTER FINAL GRADING WITH AN APPROPRIATE EROSION CONTROL BLANKET PRIOR TO ACCEPTING FLOWS. THE BOTTOM OF THE CHANNEL MUST BE BROUGHT BACK TO ITS ORIGINAL GRADE AND STABLE ENOUGH TO ACCEPT FLOWS.
13. STOCKPILES OF SOIL AND OTHER BUILDING MATERIALS TO REMAIN IN PLACE FOR MORE THAN THREE DAYS SHALL BE FURNISHED WITH EROSION AND SEDIMENT CONTROL MEASURES IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL.
14. IF CONCRETE IS REQUIRED FOR WORK, CONCRETE WASHOUT FACILITIES SHALL BE INSTALLED, OPERATED AND MAINTAINED IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL.
15. ALL ADJACENT ROADWAYS MUST BE KEPT CLEAR OF DEBRIS, INSPECTED DAILY AND CLEANED WHEN NECESSARY.

16. A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN AND STORMWATER POLLUTION PREVENTION PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.
17. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE OWNER OR APPLICABLE REGULATORY AGENCY.
18. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO INFORM ANY SUB-CONTRACTOR(S) WHO MAY PERFORM WORK ON THIS PROJECT OF THE REQUIREMENTS IN IMPLEMENTING AND MAINTAINING THESE EROSION CONTROL PLANS AND ALL PERMITS.
19. FINAL ACCEPTANCE OF PROJECT WILL BE CONTINGENT ON RECORD DRAWING APPROVAL BY THE ENGINEER.

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**STATE OF ILLINOIS
ORCHARD DRIVE IMPROVEMENTS**

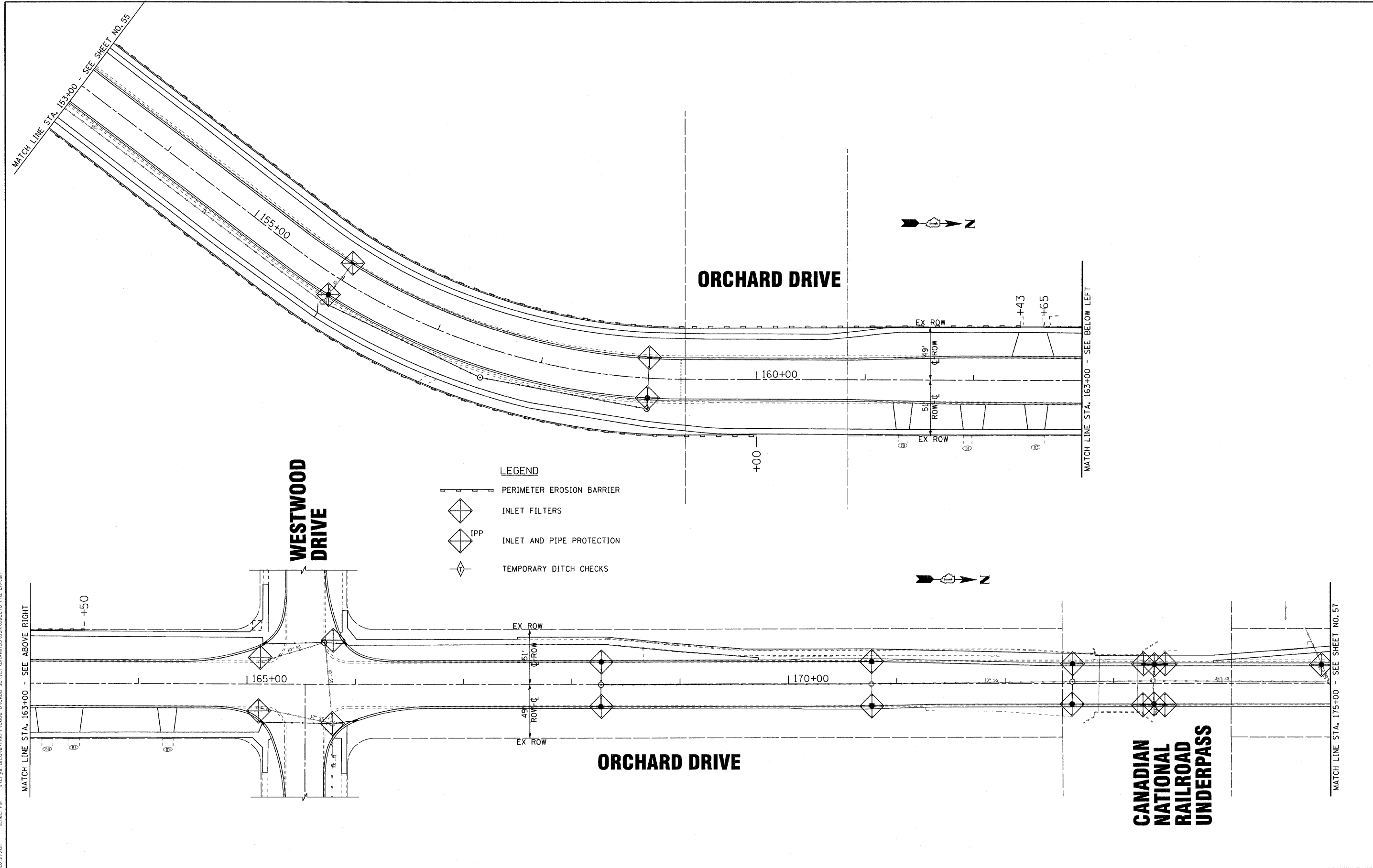
**EROSION CONTROL PLAN
ORCHARD DRIVE**

SCALE: 1" = 20'

STA. 147+00 TO STA. 153+00

F.A.U. RTE. 2836	SECTION 06-00090-00-FP	COUNTY COOK	TOTAL SHEETS 200	SHEET NO. 55
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT M-8003661	CONTRACT NO. 63635	

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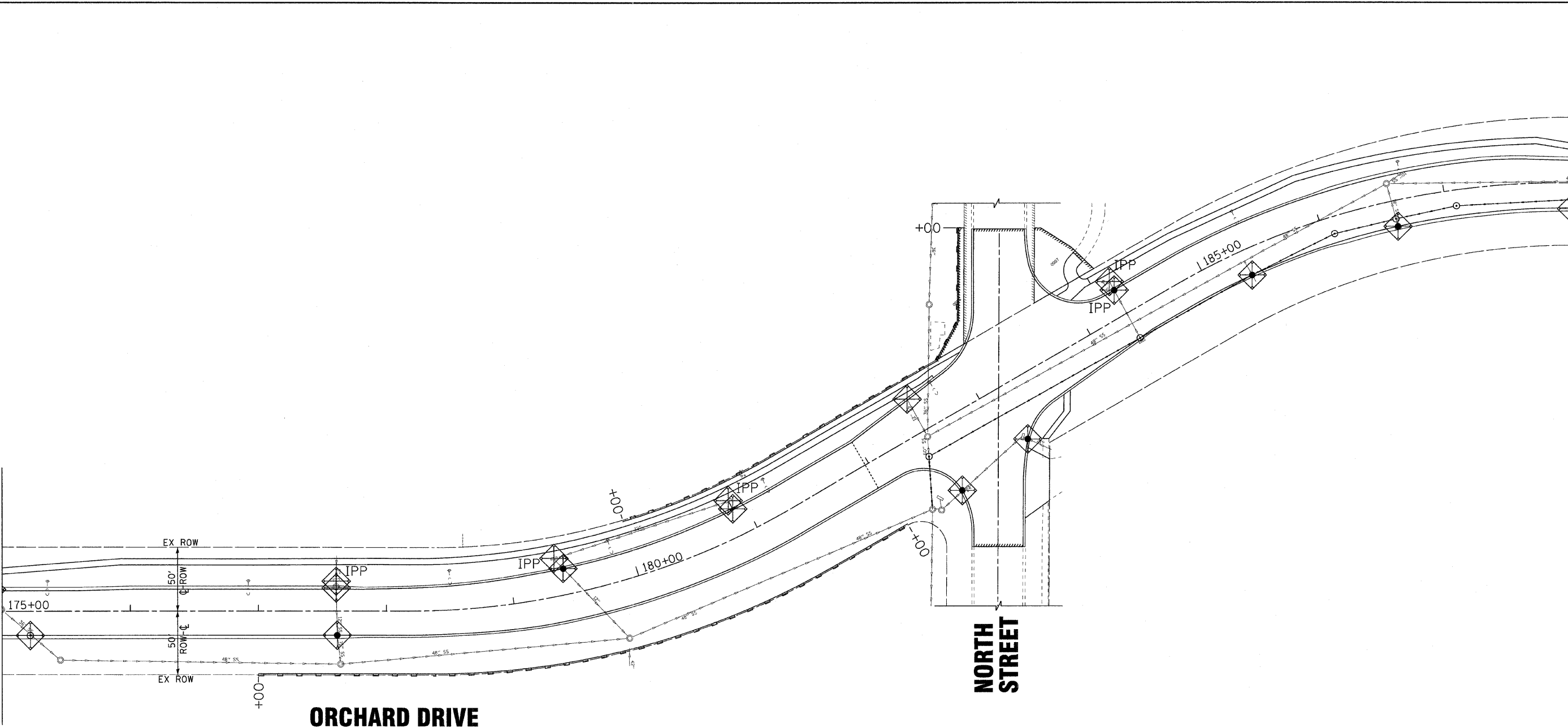
**STATE OF ILLINOIS
ORCHARD DRIVE IMPROVEMENTS**

EROSION CONTROL PLAN ORCHARD DRIVE	
SCALE: 1"=40'	STA. 153+00 TO STA. 175+00

F.A.U. RTE. 2836	SECTION 06-00090-00-FP	COUNTY COOK	TOTAL SHEETS 200	SHEET NO. 56
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63635 M-8003(66J)	

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MATCH LINE STA. 175+00 - SEE SHEET NO. 56







MATCH LINE STA. 188+00 - SEE SHEET NO. 58

ORCHARD DRIVE

NORTH STREET

LEGEND

-  PERIMETER EROSION BARRIER
-  INLET FILTERS
-  INLET AND PIPE PROTECTION
-  TEMPORARY DITCH CHECKS



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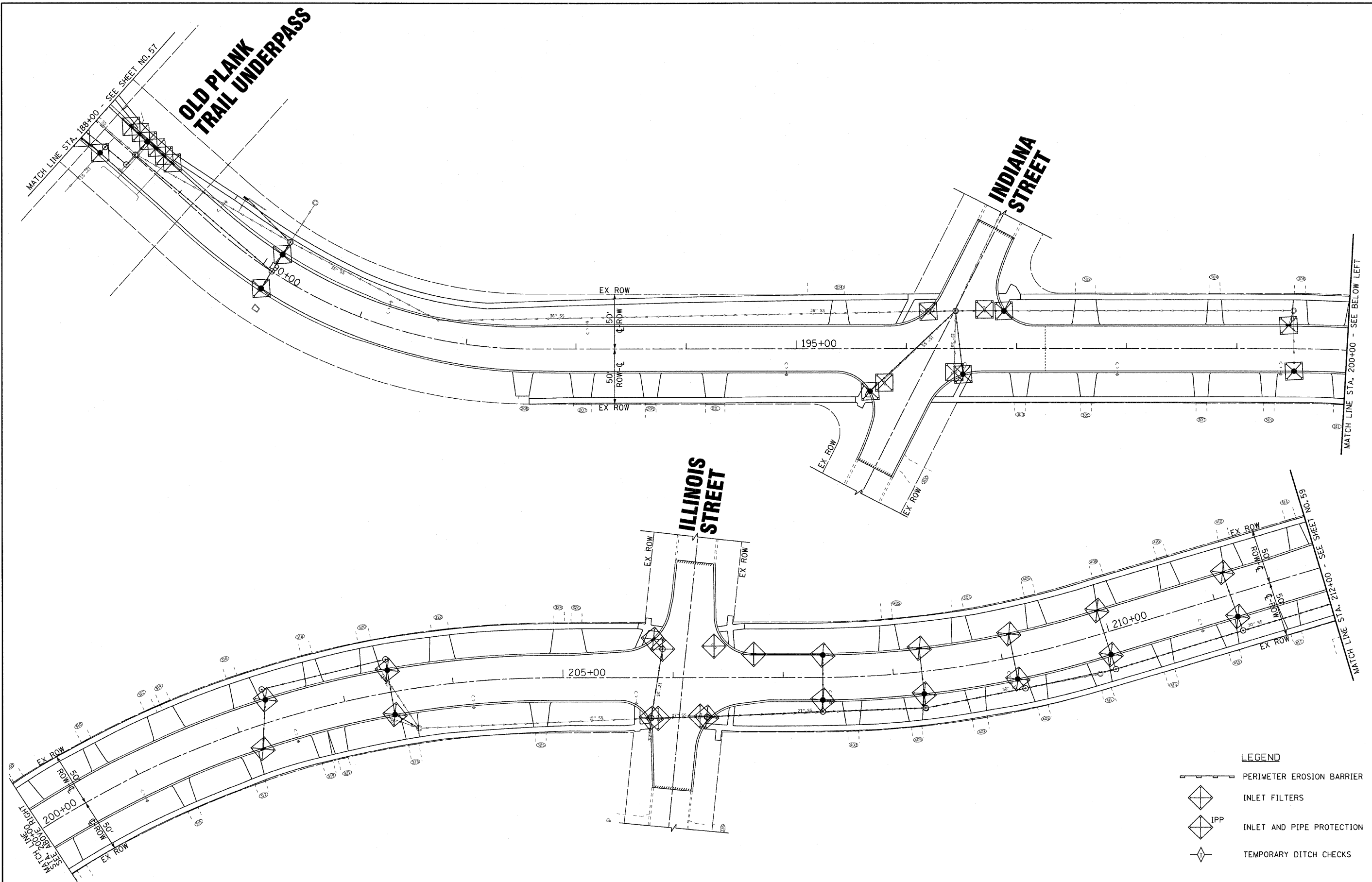
**STATE OF ILLINOIS
ORCHARD DRIVE IMPROVEMENTS**

**EROSION CONTROL PLAN
ORCHARD DRIVE**

SCALE: 1"=40'

STA. 175+00 TO STA. 188+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2836	06-00090-00-FP	COOK	200	57
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63635	
			M-80036661	



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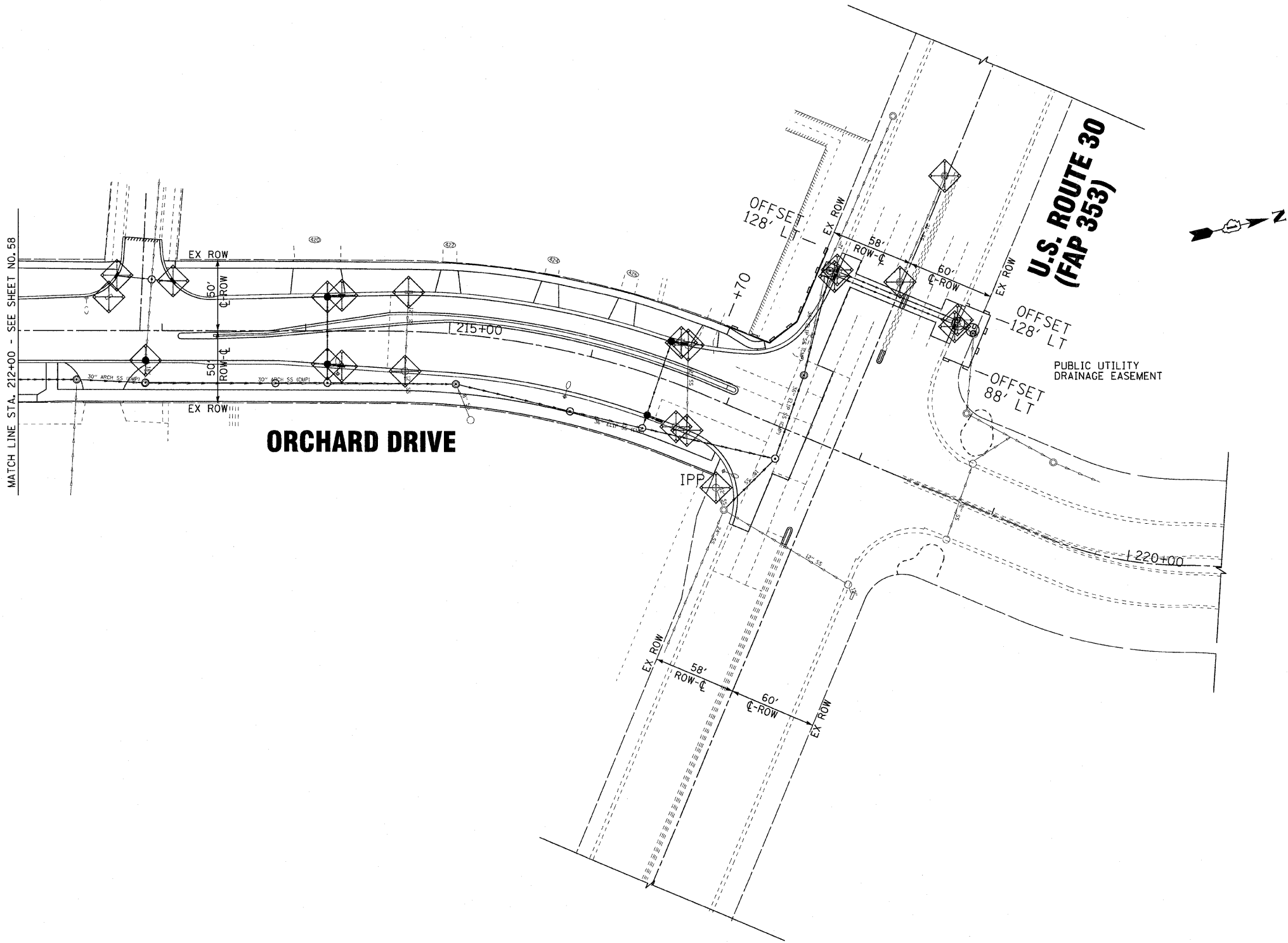
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**STATE OF ILLINOIS
ORCHARD DRIVE IMPROVEMENTS**

**EROSION CONTROL PLAN
ORCHARD DRIVE**

SCALE: 1"=40' STA. 188+00 TO STA. 212+00

LEGEND		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PERIMETER EROSION BARRIER	2836	06-00090-00-FP	COOK	200	58
	INLET FILTERS					
	INLET AND PIPE PROTECTION					
	TEMPORARY DITCH CHECKS					
				CONTRACT NO. 63635		
				FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-8003(661)		



LEGEND

- PERIMETER EROSION BARRIER
- INLET FILTERS
- IPP
INLET AND PIPE PROTECTION
- TEMPORARY DITCH CHECKS

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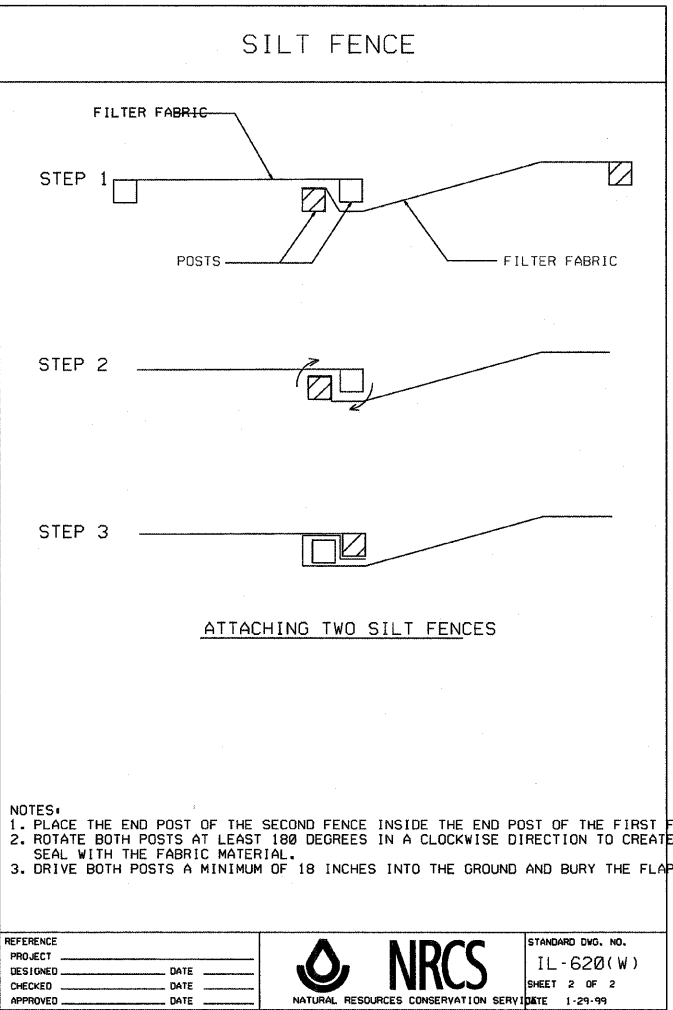
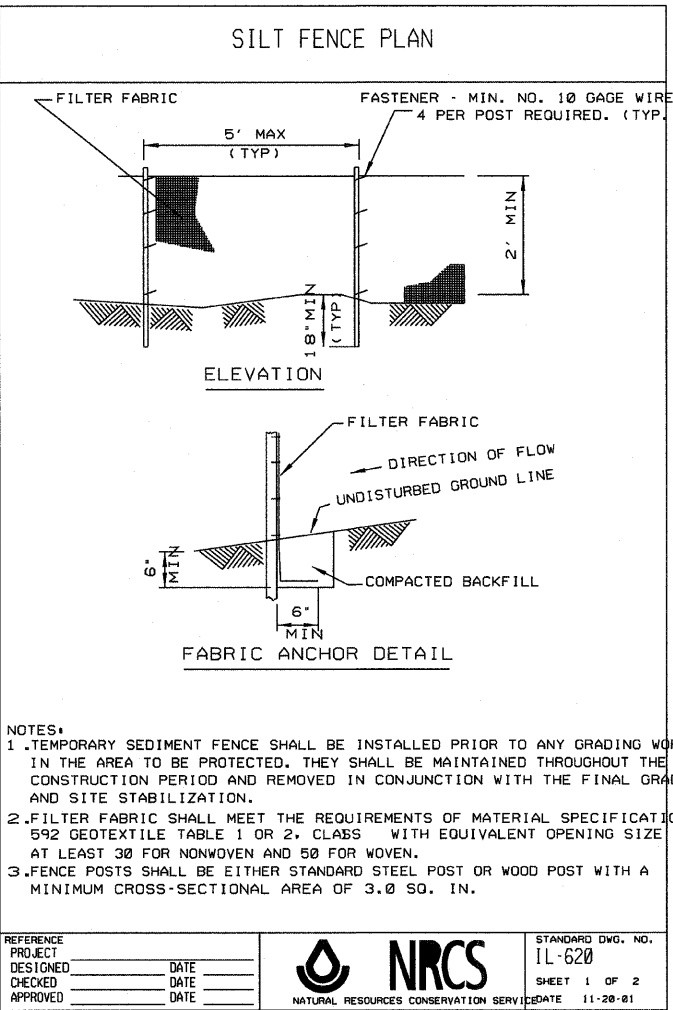
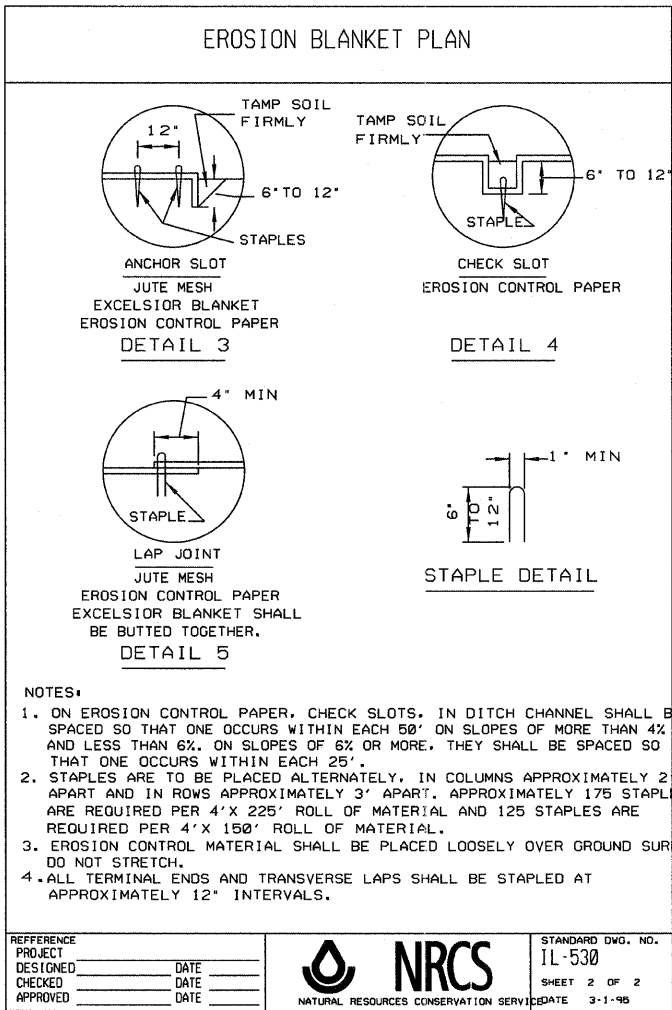
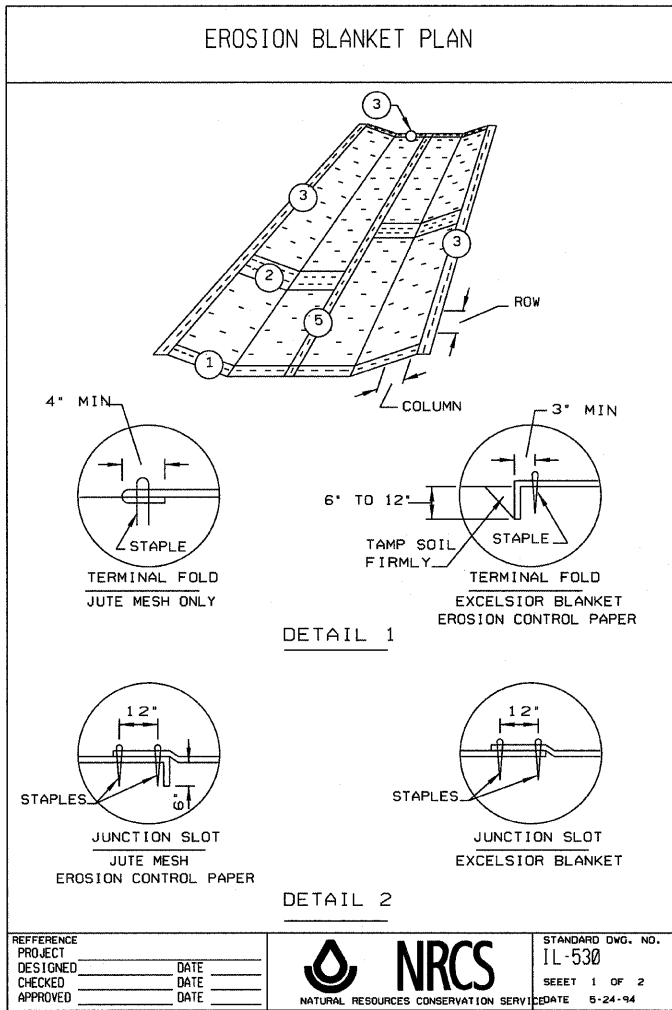
**STATE OF ILLINOIS
ORCHARD DRIVE IMPROVEMENTS**

**EROSION CONTROL PLAN
ORCHARD DRIVE**

SCALE: 1"=40'

STA. 212+00 TO STA. 217+38

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2836	06-00090-00-FP	COOK	200	59
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63635	
			M-80034661	



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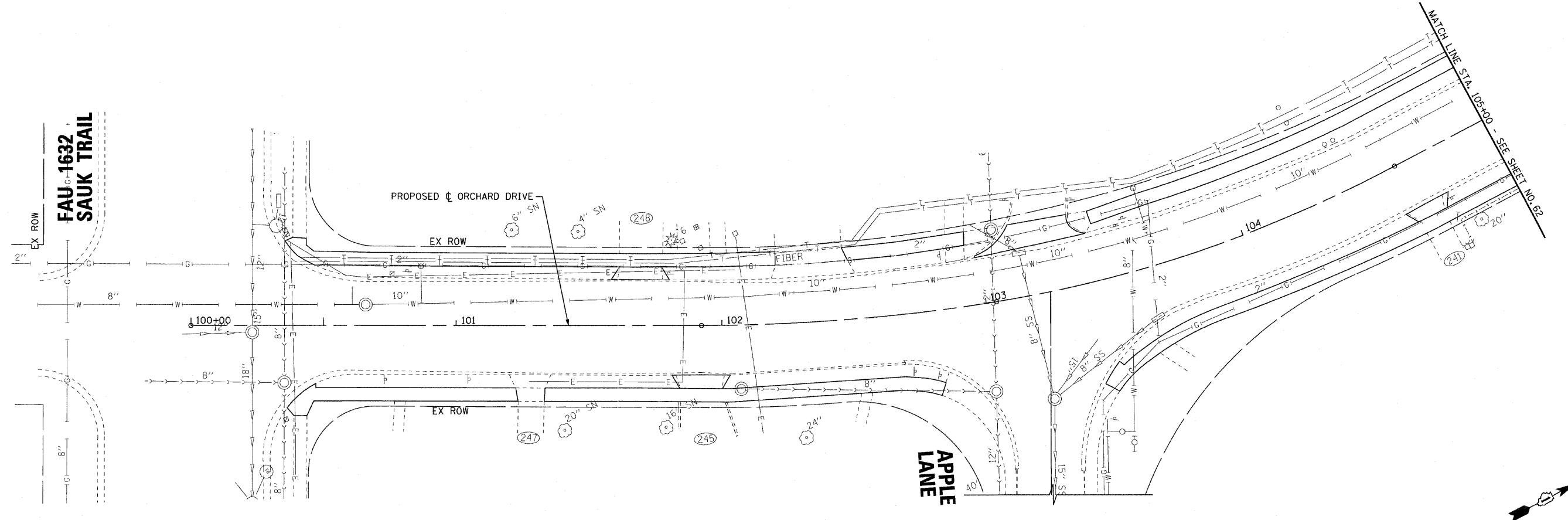
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**STATE OF ILLINOIS
ORCHARD DRIVE IMPROVEMENTS**

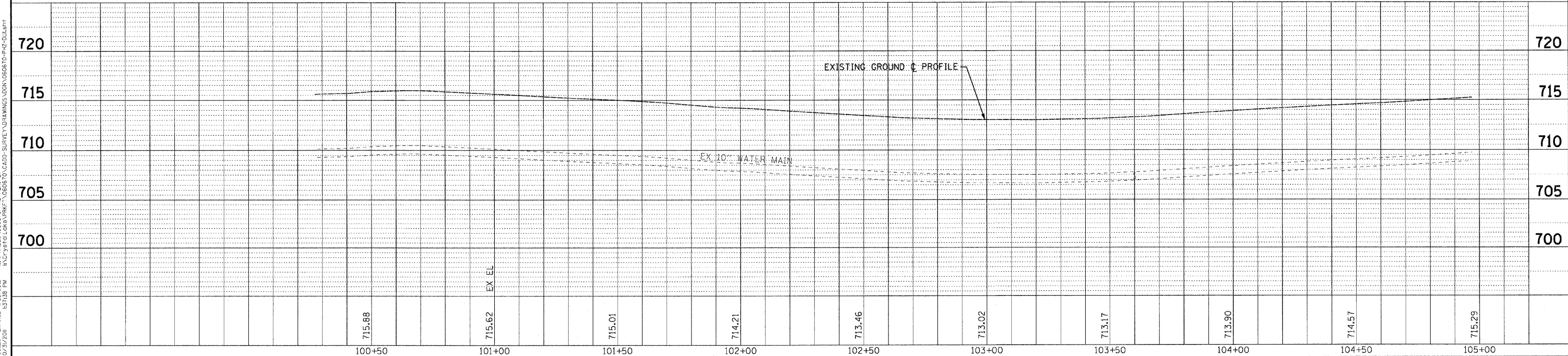
EROSION CONTROL DETAILS

SCALE: _____ STA. _____ TO STA. _____

F.A.U. RTE. 2836	SECTION 06-00090-00-FP	COUNTY COOK	TOTAL SHEETS 200	SHEET NO. 60
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-8003661				



ORCHARD DRIVE



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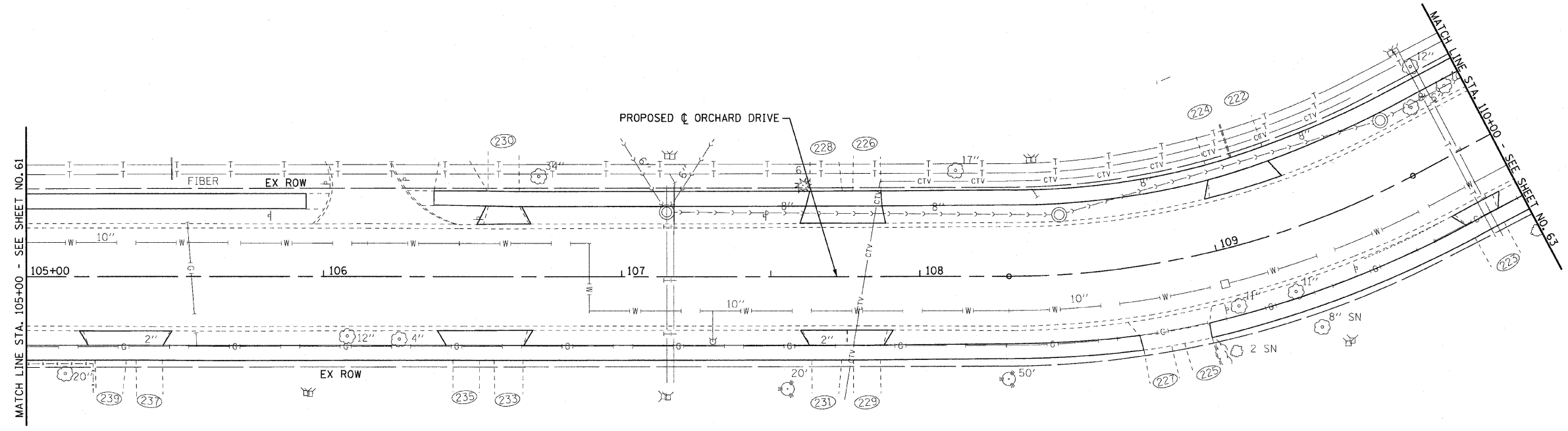
STATE OF ILLINOIS
ORCHARD DRIVE IMPROVEMENTS

DRAINAGE AND UTILITY
ORCHARD DRIVE

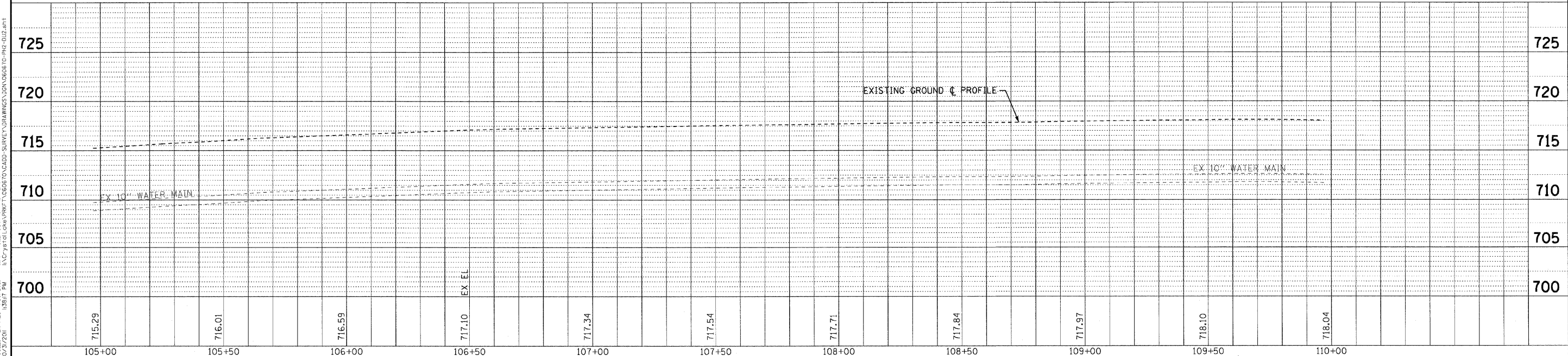
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STA. 100+66 TO STA. 105+00

F.A.U. RTE. 2836	SECTION 06-00090-00-FP	COUNTY COOK	TOTAL SHEETS 200	SHEET NO. 61
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT		CONTRACT NO. 63635
M-8003661				



ORCHARD DRIVE



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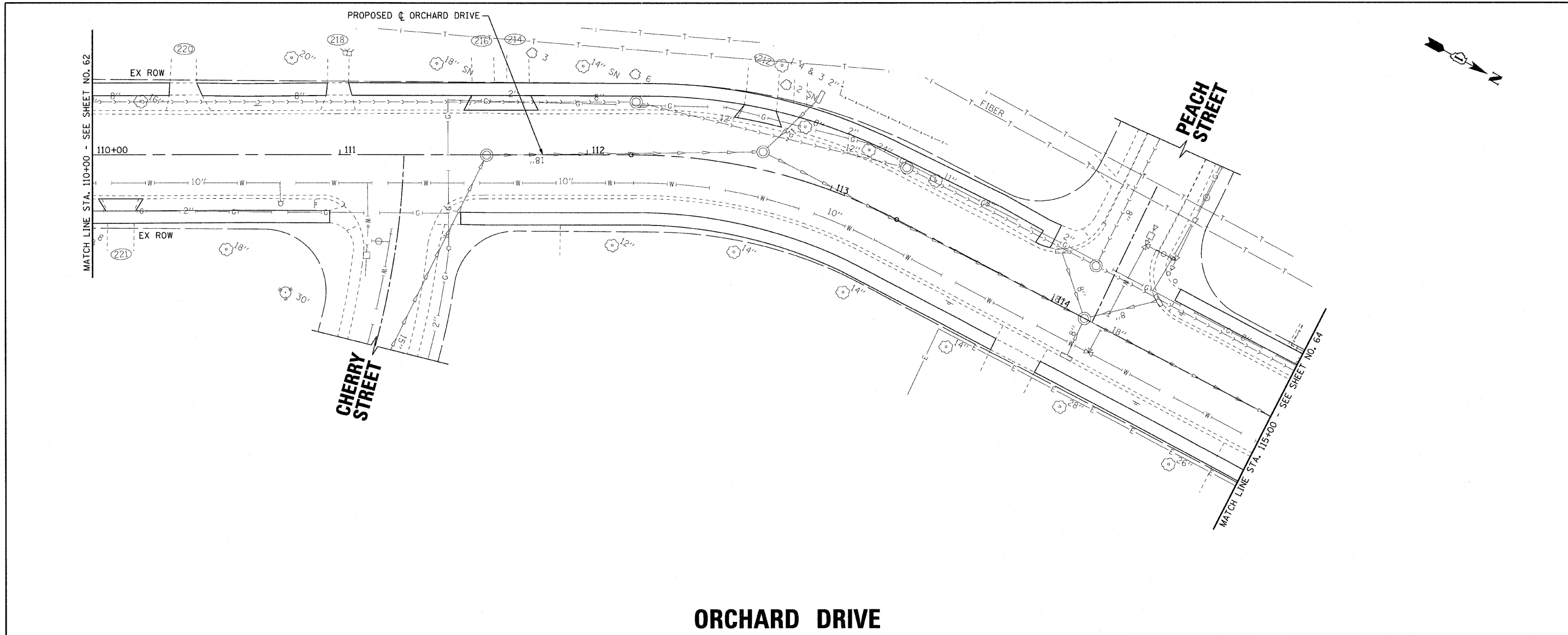


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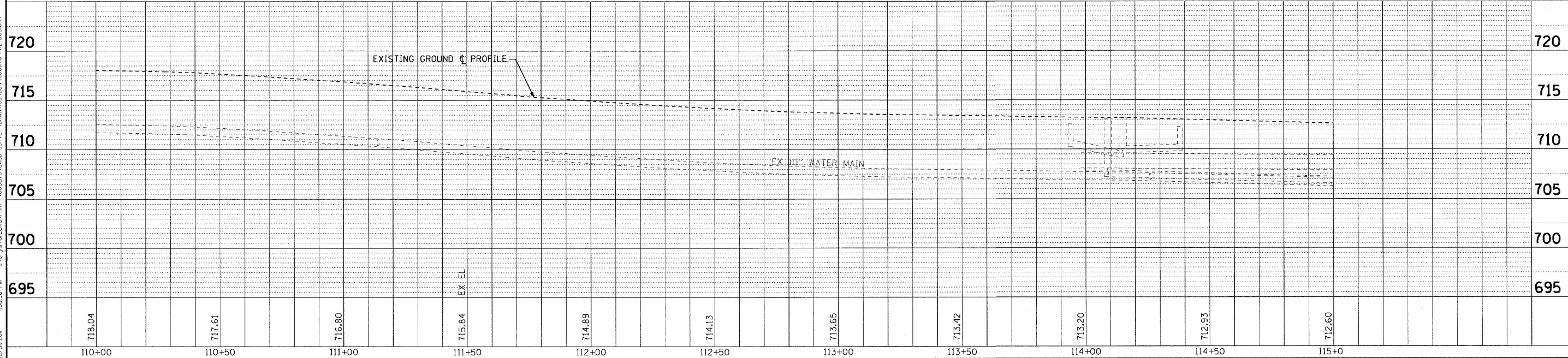
**STATE OF ILLINOIS
ORCHARD DRIVE IMPROVEMENTS**

DRAINAGE AND UTILITY ORCHARD DRIVE	
SCALE: HORIZ. 1"=20' / VERT. 1"=5'	STA. 105+00 TO STA. 110+00

F.A.U. RTE. 2836	SECTION 06-00090-00-FP	COUNTY COOK	TOTAL SHEETS 200	SHEET NO. 62
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT M-8003(661)		CONTRACT NO. 63635



ORCHARD DRIVE



718.04	717.61	716.80	715.84	714.89	714.13	713.65	713.42	713.20	712.93	712.60
110+00	110+50	111+00	111+50	112+00	112+50	113+00	113+50	114+00	114+50	115+00



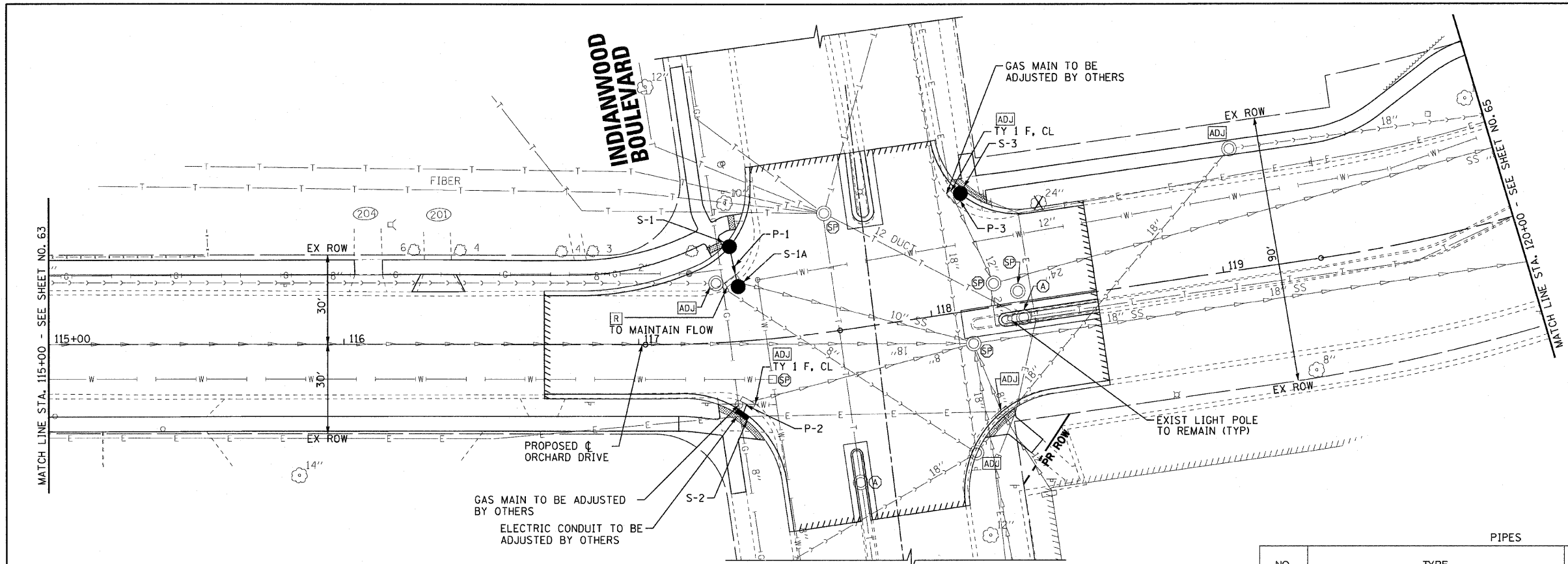
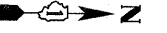
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DATE - 10/24/11	FILE - 060670-PH2-DU3.sh+

**STATE OF ILLINOIS
ORCHARD DRIVE IMPROVEMENTS**

**DRAINAGE AND UTILITY
ORCHARD DRIVE**

F.A.J. RTE. 2836	SECTION 06-00090-00-FP	COUNTY COOK	TOTAL SHEETS 200	SHEET NO. 63
CONTRACT NO. 63635				
SCALE: HORIZ. 1"=20' / VERT. 1"=5'				
STA. 110+00 TO STA. 115+00				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-8003661				

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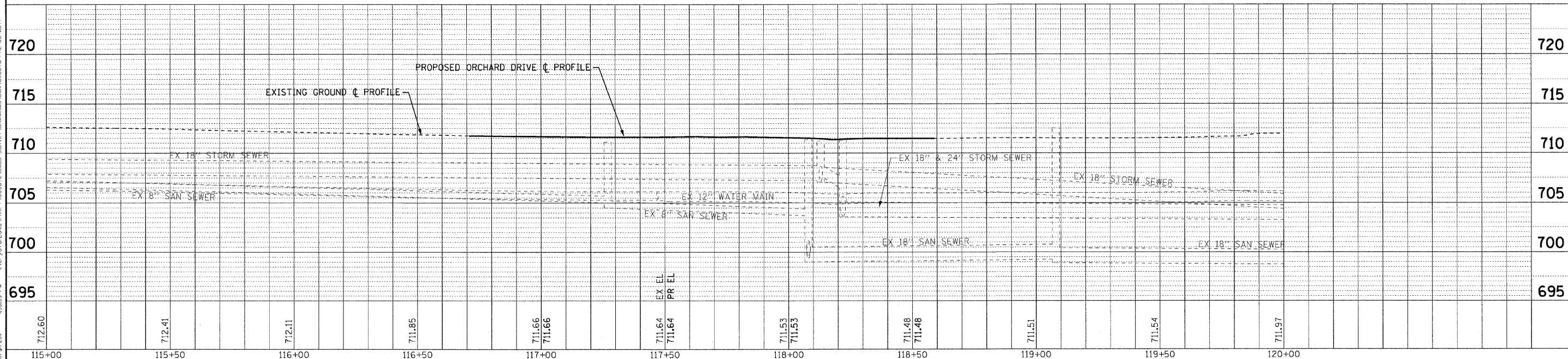
PIPES

NO.	TYPE	TY	DIA. (IN)	LENGTH (LF)	SLOPE	TBF (CY)
P-1	STORM SEWER, CLASS A	1	10	15	0.13%	3
P-2	STORM SEWERS, RUBBER GASKET, CLASS A	1	8	3	0.33%	1
P-3	STORM SEWERS, CLASS A	1	12	2	0.50%	1

STORM STRUCTURES

LABEL	STATION	OFFSET (FT)	TYPE	FRAME	ELEVATION	RIM/EP	INVERT
S-1	117+33	32.2	LT CATCH BASIN, TYPE C	T-1 F, O.L.	711.00	EP	708.81 10° E
S-1A	117+35	18'	LT CATCH BASIN, TYPE C	T-1 F CL	711.28	RIM	708.79 10° W, 708.79 10° NE (EX)
S-2	117+34	24.0	RT INLET, TYPE A	T-1 F, O.L.	710.88	EP	708.79 8° NW
S-3	118+16	40.0	LT CATCH BASIN, TYPE C	T-1 F, O.L.	710.56	EP	707.71 12° SE

ORCHARD DRIVE



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 DATE - 10/24/11
 PROJECT - PHASE 4



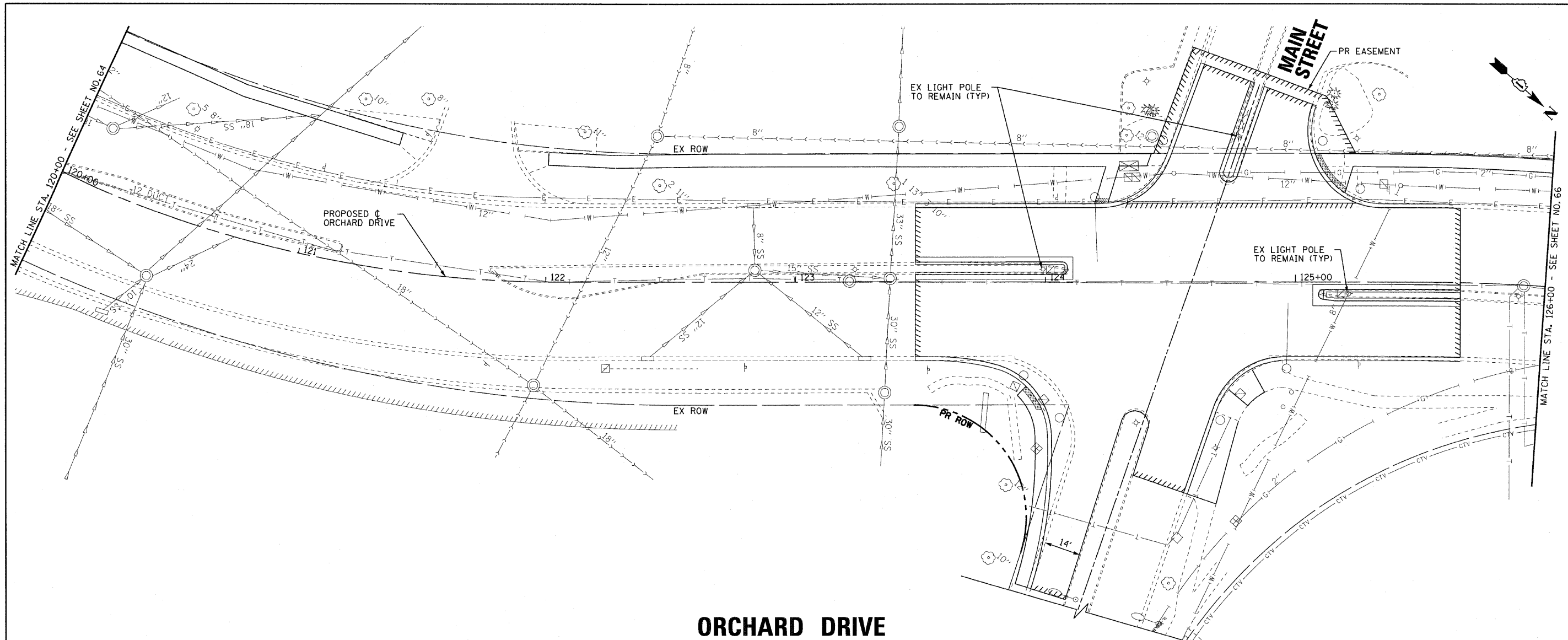
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DATE - 10/24/11	FILE - 060670-PH2-DU4.shp

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ORCHARD DRIVE IMPROVEMENTS

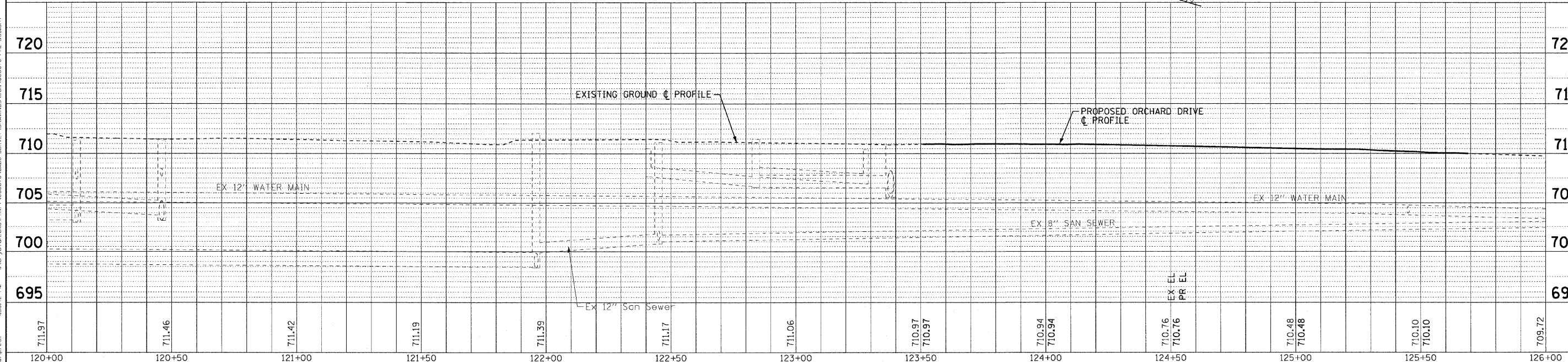
DRAINAGE AND UTILITY
ORCHARD DRIVE

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2836	06-00090-00-FP	COOK	200	64
CONTRACT NO. 63635				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-8003661				

SCALE: HORIZ. 1"=20' VERT. 1"=5'
STA. 115+00 TO STA. 120+00



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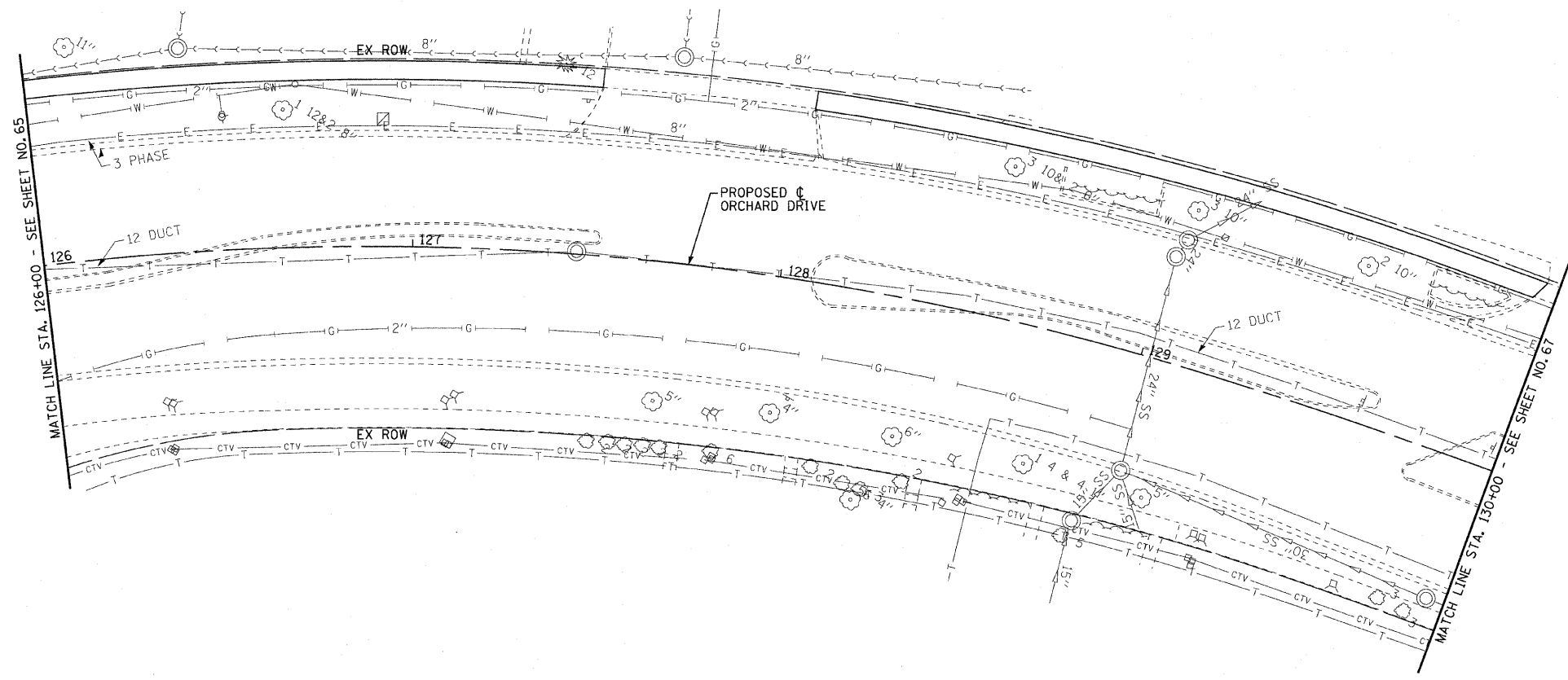
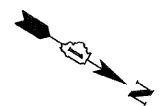
STATE OF ILLINOIS
ORCHARD DRIVE IMPROVEMENTS

DRAINAGE AND UTILITY
ORCHARD DRIVE

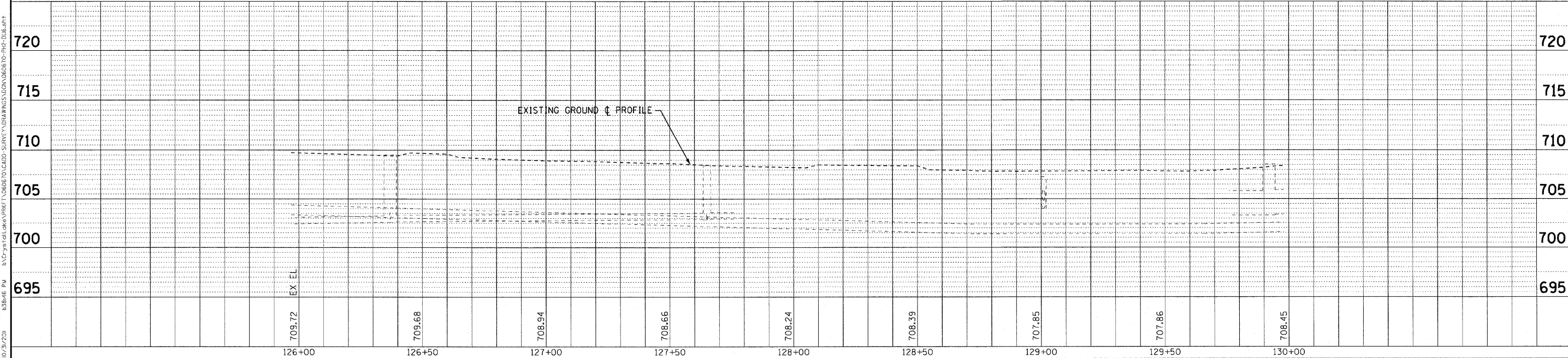
F.A.J. RTE. 2836	SECTION 06-00090-00-FP	COUNTY COOK	TOTAL SHEETS 200	SHEET NO. 65
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63635 M-8003(661)	

SCALE: HORIZ. 1"=20' / VERT. 1"=5'

STA. 120+00 TO STA. 126+00



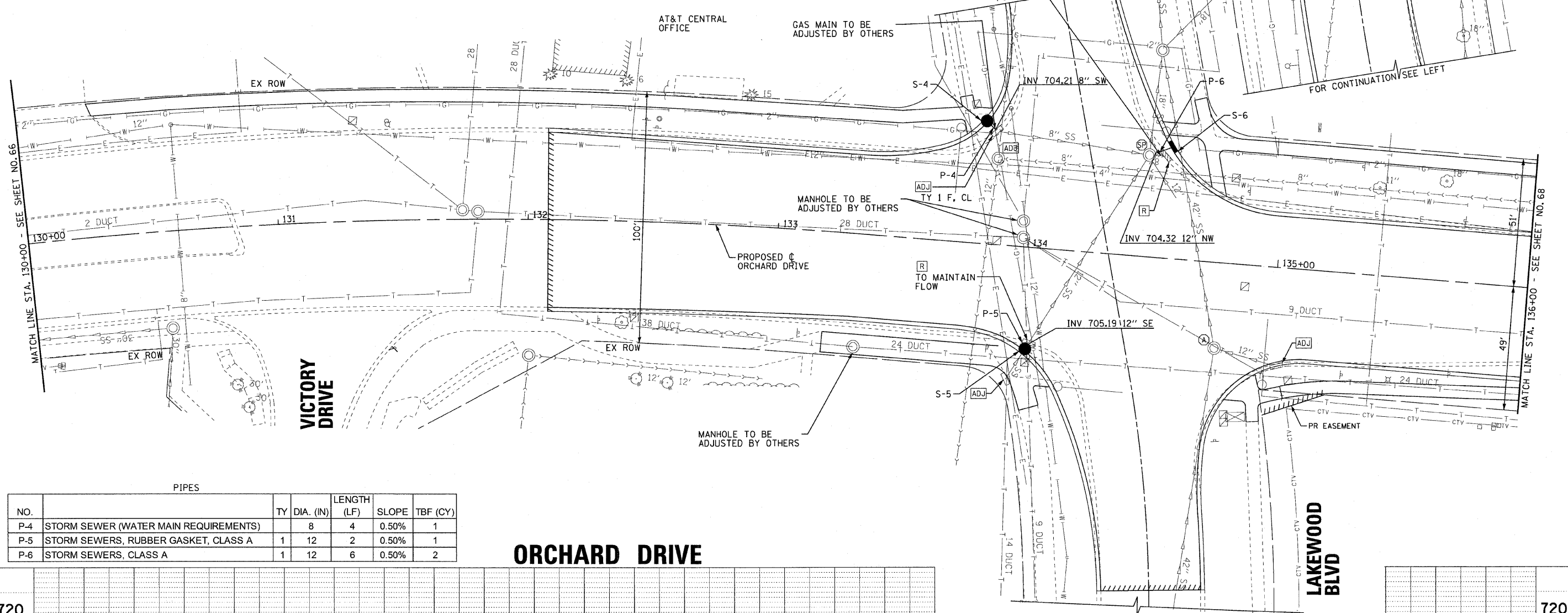
ORCHARD DRIVE



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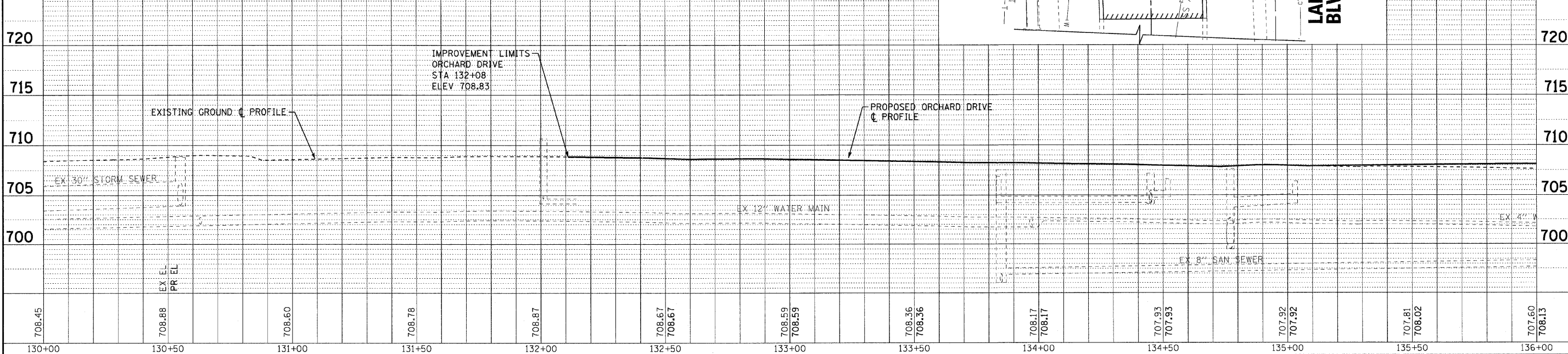
	DESIGNED - AMM DRAWN - MAC CHECKED - TAO DATE - 10/24/11	REVISED - REVISED - REVISED - FILE - 060670-PH2-DU6.shp	STATE OF ILLINOIS ORCHARD DRIVE IMPROVEMENTS	DRAINAGE AND UTILITY ORCHARD DRIVE	F.A.U. RTE. 2836	SECTION 06-00090-00-FP	COUNTY COOK	TOTAL SHEETS 200	SHEET NO. 66
SCALE: HORIZ. 1"=20' / VERT. 1"=5' STA. 126+00 TO STA. 130+00				FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-8003661					

STORM STRUCTURES							
LABEL	STATION	OFFSET (FT)	TYPE	FRAME	ELEVATION	RIM/EP	INVERT
S-4	133+80	49.0	LT CATCH BASIN, TYPE C	T-1 F O.L.	706.78	EP	704.23 8"NE
S-5	134+02	40.0	RT CATCH BASIN, TYPE C	T-1 F O.L.	707.35	EP	705.20 12"W; 705.54 12"SE(ex)
S-6	134+54	44.0	LT INLET, TYPE A	T-11V F&G	707.05	EP	704.35 12"SE



PIPES						
NO.	TY	DIA. (IN)	LENGTH (LF)	SLOPE	TBF (CY)	
P-4	STORM SEWER (WATER MAIN REQUIREMENTS)	8	4	0.50%	1	
P-5	STORM SEWERS, RUBBER GASKET, CLASS A	12	2	0.50%	1	
P-6	STORM SEWERS, CLASS A	12	6	0.50%	2	

ORCHARD DRIVE



708.45	708.88	708.60	708.78	708.87	708.67	708.67	708.59	708.59	708.36	708.36	708.17	708.17	707.93	707.93	707.92	707.92	707.81	708.02	707.60	708.13
130+00	130+50	131+00	131+50	132+00	132+50	133+00	133+50	134+00	134+50	135+00	135+50	136+00								



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DATE - 10/24/11	FILE - 060670-PH2-DU7.sh+

STATE OF ILLINOIS ORCHARD DRIVE IMPROVEMENTS

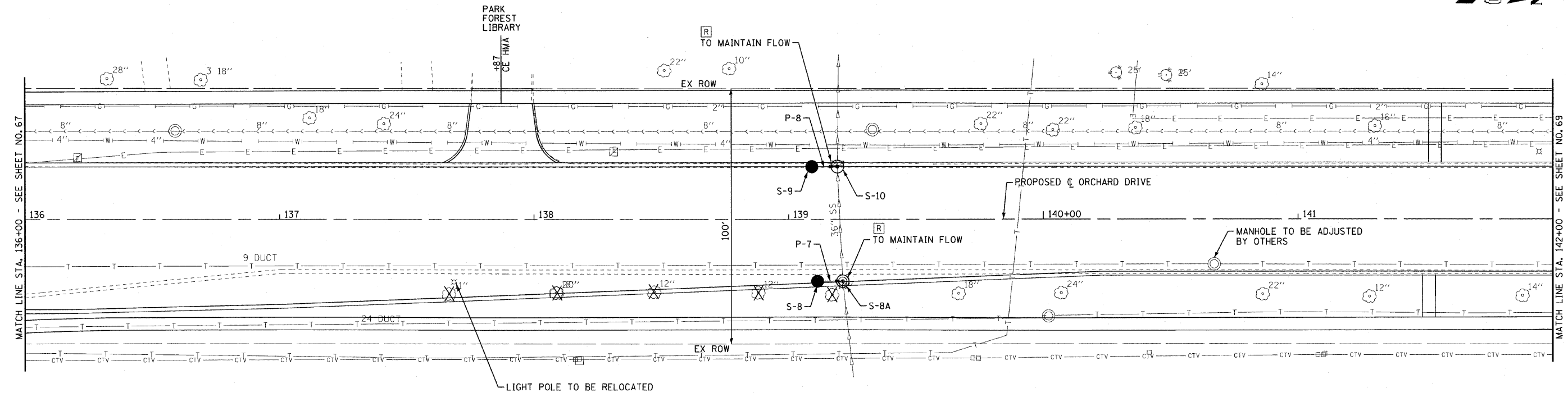
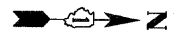
DRAINAGE AND UTILITY ORCHARD DRIVE

SCALE: HORIZ. 1"=20' / VERT. 1"=5'

STA. 130+00 TO STA. 136+00

F.A.U. RTE. 2836	SECTION 06-00090-00-FP	COUNTY COOK	TOTAL SHEETS 200	SHEET NO. 67
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT		CONTRACT NO. 63635
M-8003(66d)				

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 PROJECT: 060670-PH2-DU7.sh+



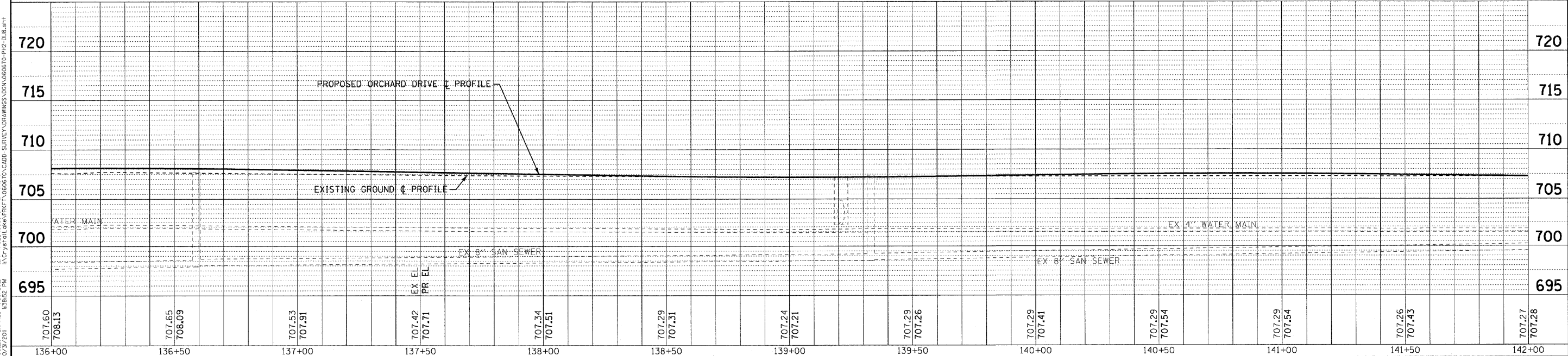
MATCH LINE STA. 136+00 - SEE SHEET NO. 67

MATCH LINE STA. 142+00 - SEE SHEET NO. 69

PIPES						
NO.		TY	DIA. (IN)	LENGTH (LF)	SLOPE	TBF (CY)
P-7	STORM SEWERS, CLASS A	1	12	8	0.50%	2
P-8	STORM SEWER (WATER MAIN REQUIREMENTS)		12	8	0.50%	2

STORM STRUCTURES								
LABEL	STATION	OFFSET (FT)		TYPE	FRAME	ELEVATION	RIM/EP	INVERT
S-8	139+11	24.3	RT	CATCH BASIN, TYPE C	T-11V F&G	706.78	EP	704.36 12"N
S-8A	139+21	24.3	RT	MANHOLE, TYPE A, 5' DIA.	T-1 F, O.L.	706.77	EP	704.32 12"S; 702.21 36"E(ex),W(ex)
S-9	139+09	20.5	LT	CATCH BASIN, TYPE C	T-11V F&G	706.87	EP	704.45 12"N
S-10	139+19	20.5	LT	MANHOLE, TYPE A, 5' DIA.	T-11 F&G	706.86	EP	704.41 12"S; 701.69 36"E(ex),W(ex)

ORCHARD DRIVE

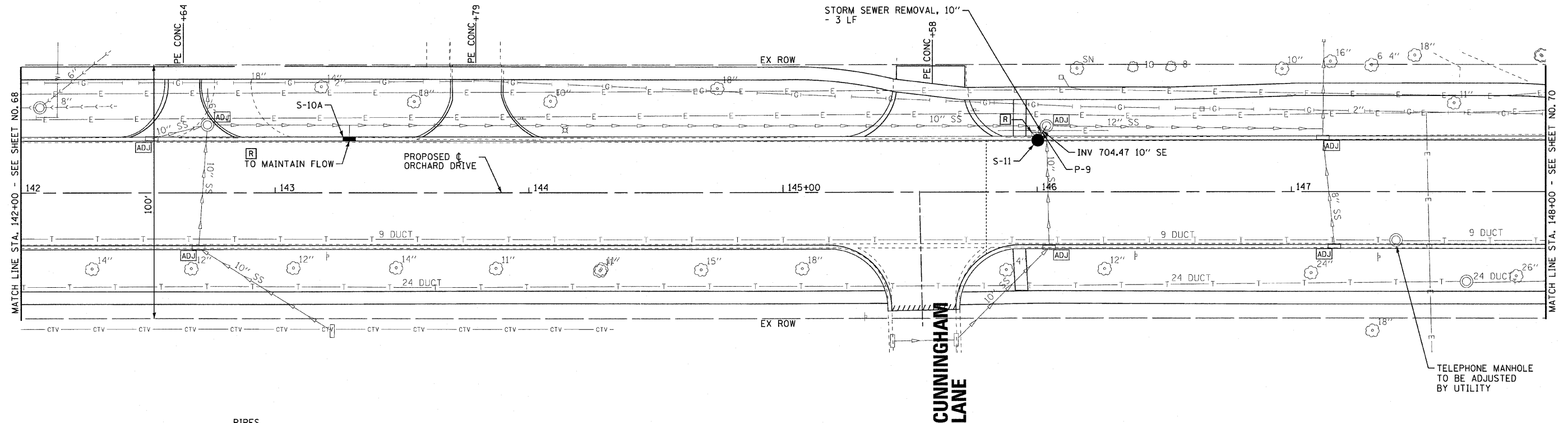
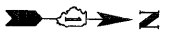


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STATE OF ILLINOIS ORCHARD DRIVE IMPROVEMENTS

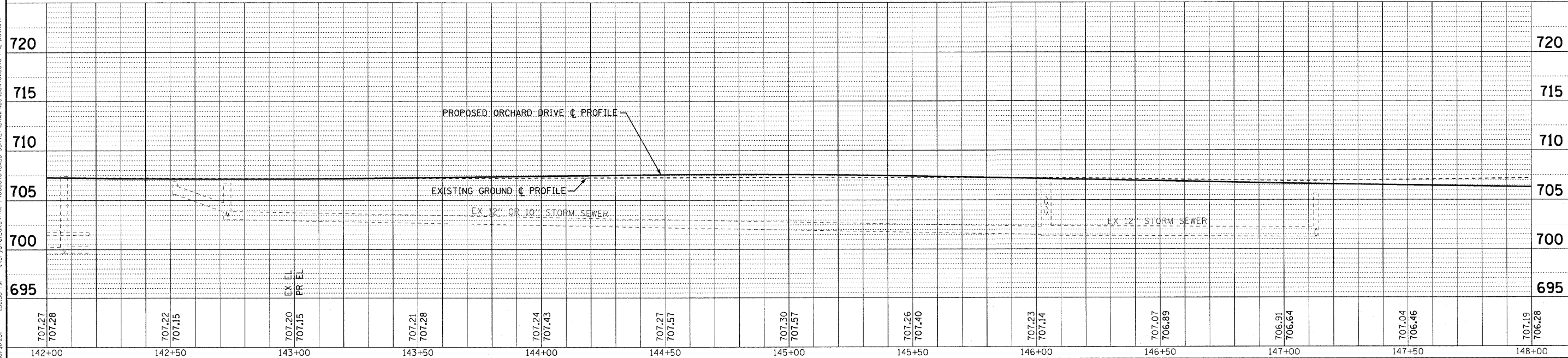
DRAINAGE AND UTILITY ORCHARD DRIVE		F.A.U. RTE. 2836	SECTION 06-00090-00-FP	COUNTY COOK	TOTAL SHEETS 200	SHEET NO. 68
SCALE: HORIZ. 1"=20' / VERT. 1"=5'		STA. 136+00 TO STA. 142+00		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-800366J		
CONTRACT NO. 63635						



PIPES						
NO.	TY	DIA. (IN)	LENGTH (LF)	SLOPE	TBF (CY)	
P-9	STORM SEWERS, CLASS A	10	6	0.50%	2	

STORM STRUCTURES							
LABEL	STATION	OFFSET (FT)	TYPE	FRAME	ELEVATION	RIM/EP	INVERT
S-10A	143+30	20.5	LT INLET, TYPE A	T-11V F&G	706.42	EP	704.07 12"W
S-11	146+00	20.5	LT CATCH BASIN, TYPE C	T-11V F&G	708.74	EP	704.50 10"NW

ORCHARD DRIVE



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STATE OF ILLINOIS ORCHARD DRIVE IMPROVEMENTS

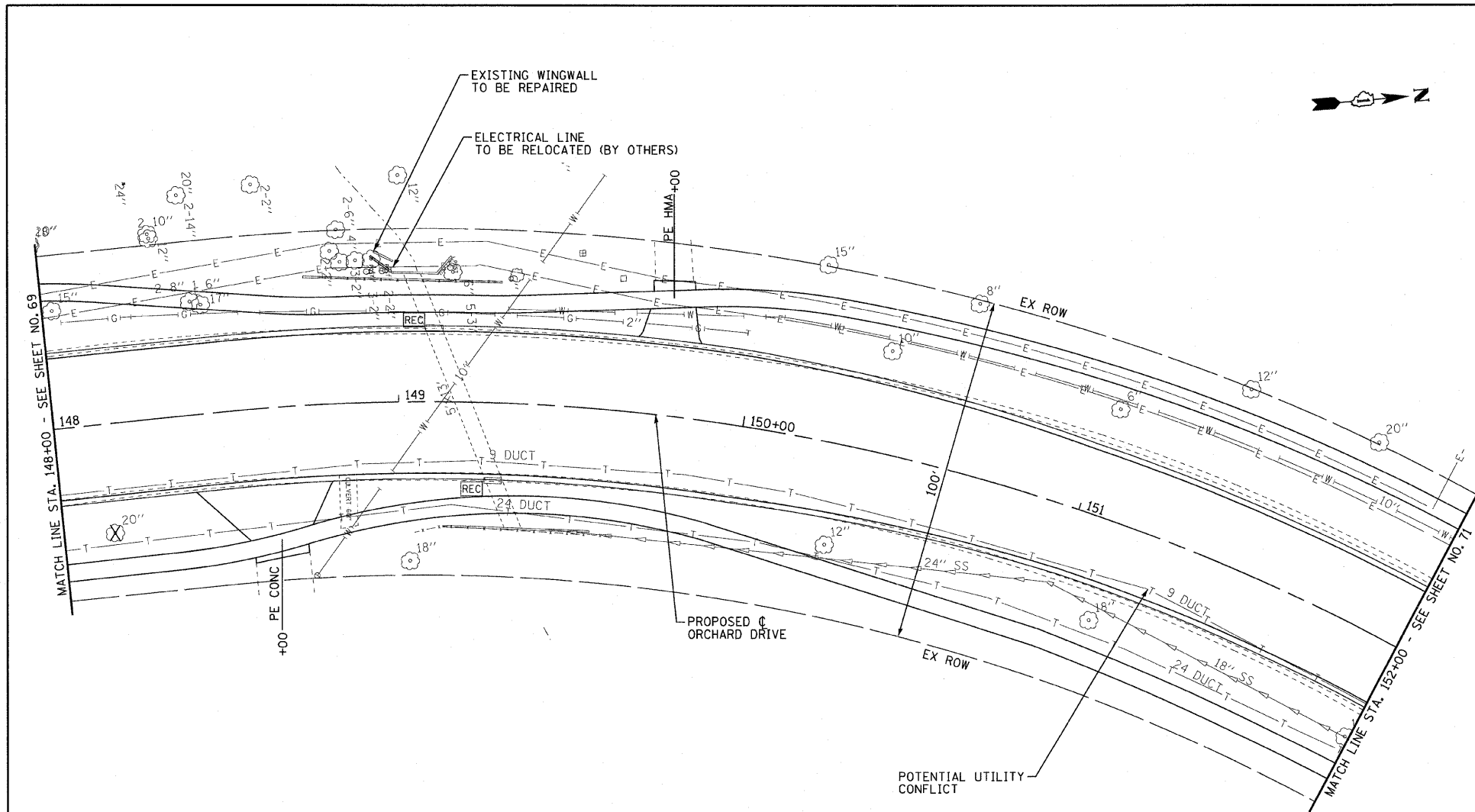
DRAINAGE AND UTILITY ORCHARD DRIVE

SCALE: HORIZ. 1"=20' / VERT. 1"=5'	STA. 142+00 TO STA. 148+00	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-8003661
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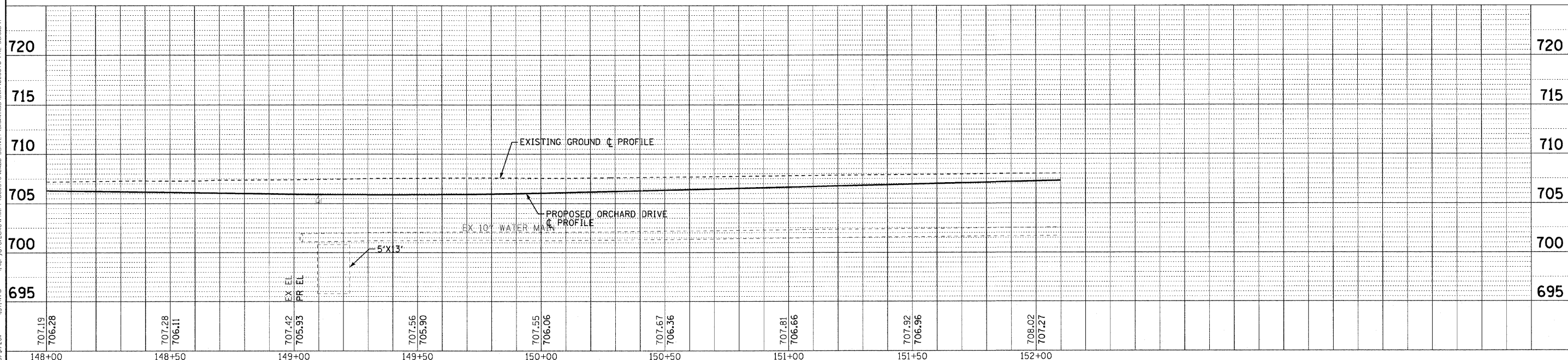
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F.A.U. RTE. 2836	SECTION 06-00090-00-FP	COUNTY COOK	TOTAL SHEETS 200	SHEET NO. 69
CONTRACT NO. 63635				



ORCHARD DRIVE



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 PROJECT NO. 06-0090-00-FP SHEET NO. 70



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DATE - 10/24/11	FILE - 060670-PH2-DUI0.sht

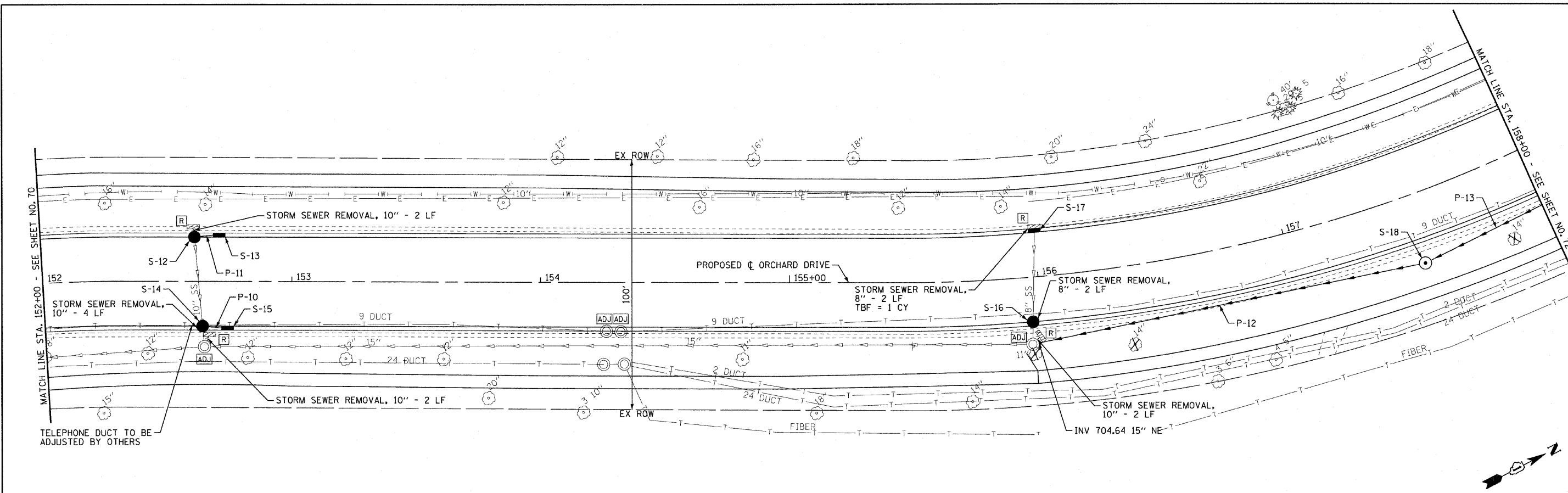
STATE OF ILLINOIS ORCHARD DRIVE IMPROVEMENTS

DRAINAGE AND UTILITY ORCHARD DRIVE

SCALE: HORIZ. 1"=20' / VERT. 1"=5'

STA. 148+00 TO STA. 152+00

F.A.U. RTE. 2836	SECTION 06-00090-00-FP	COUNTY COOK	TOTAL SHEETS 200	SHEET NO. 70
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63635 M-80031661	



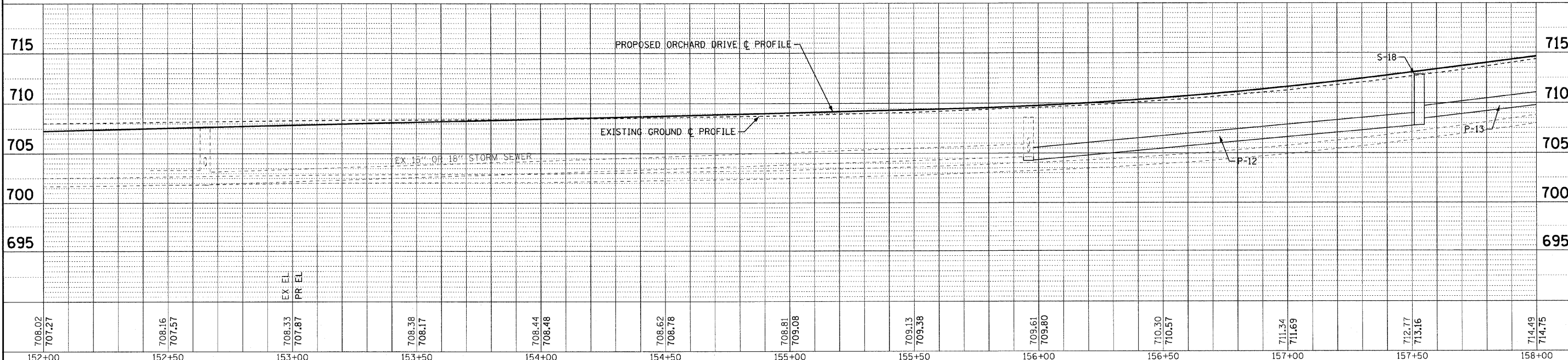
PIPES

NO.	TY	DIA. (IN)	LENGTH (LF)	SLOPE	TBF (CY)	
P-10	STORM SEWERS, CLASS A	2	10	8	0.50%	3
P-11	STORM SEWERS, CLASS A	1	10	8	0.50%	3
P-12	STORM SEWERS, CLASS A	2	15	160	2.23%	33

STORM STRUCTURES

LABEL	STATION	OFFSET (FT)	TYPE	FRAME	ELEVATION	RIM/EP	INVERT
S-12	152+61	18.0	LT CATCH BASIN, TYPE A, 4' DIA.	T-11V F&G	707.48	EP	704.08 10°SE(ex); 704.08 10°NE
S-13	152+71	18.0	LT INLET, TYPE A	T-11V F&G	707.54	EP	704.12 10°SW
S-14	152+64	18.0	RT CATCH BASIN, TYPE C	T-11V F&G	707.29	EP	703.67 10°NE; 703.67 10°NW(ex),SE(ex)
S-15	152+74	18.0	RT INLET, TYPE A	T-11V F&G	707.35	EP	703.71 10°SW
S-16	155+97	18.0	RT CATCH BASIN, TYPE C	T-11V F&G	710.14	EP	705.38 8°NW(ex),SE(ex)
S-17	156+00	18.0	LT INLET, TYPE A	T-11V F&G	709.44	EP	706.89 8°SE(ex)
S-18	157+50	28.0	RT MANHOLE, TYPE A, 4' DIA.	T-1 F, C.L.	713.24	RIM	708.20 15°SW; 708.80 15°NE

ORCHARD DRIVE

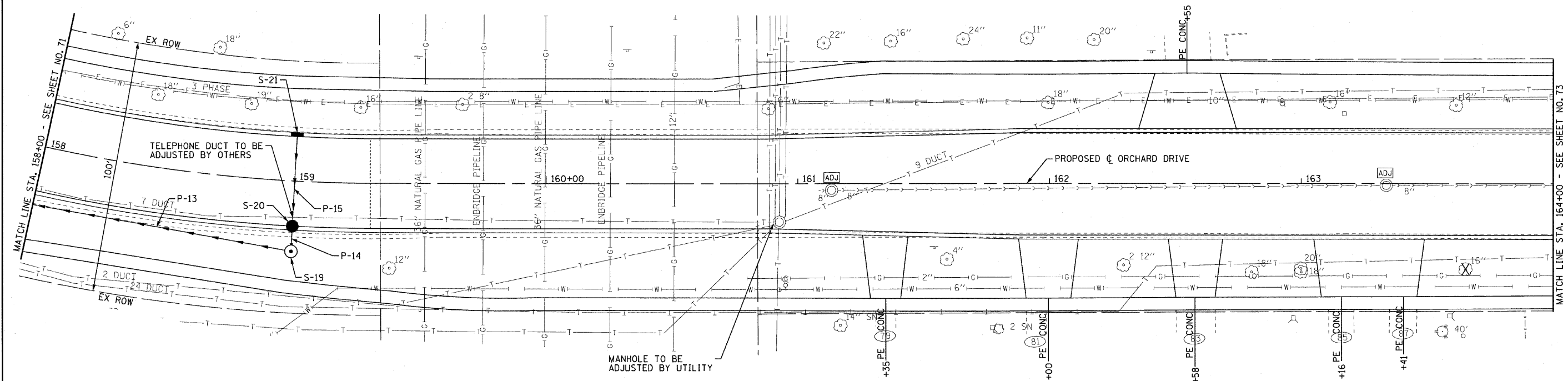
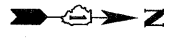


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**STATE OF ILLINOIS
ORCHARD DRIVE IMPROVEMENTS**

DRAINAGE AND UTILITY ORCHARD DRIVE		F.A.U. RTE. 2836	SECTION 06-00090-00-FP	COUNTY COOK	TOTAL SHEETS 200	SHEET NO. 71
SCALE: HORIZ. 1"=20' / VERT. 1"=5'		STA. 152+00 TO STA. 158+00		CONTRACT NO. 63635		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-8003(661)						

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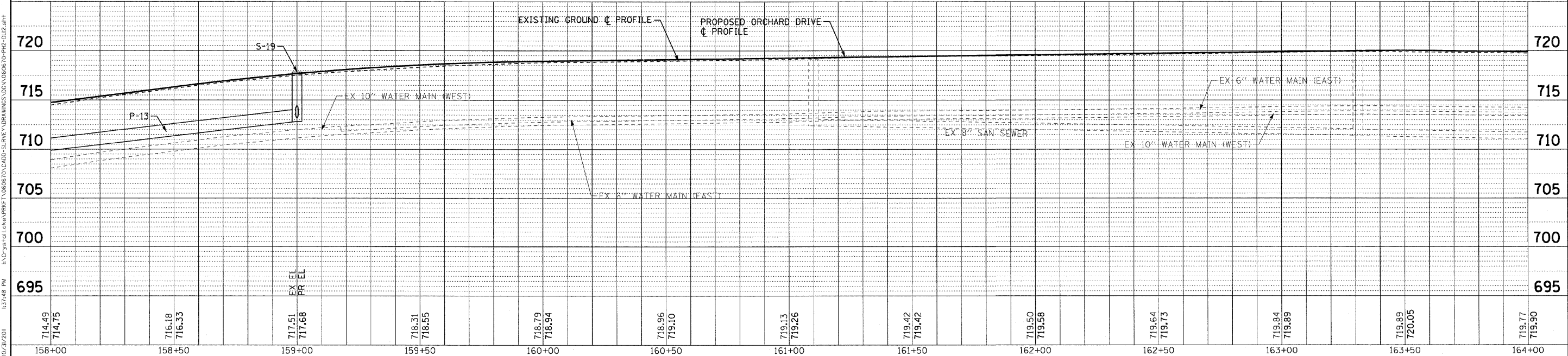
STORM STRUCTURES

LABEL	STATION	OFFSET (FT)	TYPE	FRAME	ELEVATION	RIM/EP	INVERT
S-19	159+00	28.0	RT	MANHOLE, TYPE A, 4' DIA.	T-1 F, C.L.	718.00	RIM 713.00 15'SW; 713.35 15'W
S-20	159+00	18.0	RT	CATCH BASIN, TYPE A, 4' DIA.	T-11V F&G	717.32	EP 713.99 12'W; 713.50 15'E
S-21	159+00	18.0	LT	INLET, TYPE A	T-11V F&G	717.32	EP 714.15 12'E

PIPES

NO.	TY	DIA. (IN)	LENGTH (LF)	SLOPE	TBF (CY)
P-13	STORM SEWERS, CLASS A	2	15	155	2.71% 0
P-14	STORM SEWERS, CLASS A	1	15	8	1.87% 2
P-15	STORM SEWERS, CLASS A	1	12	36	0.44% 10

ORCHARD DRIVE



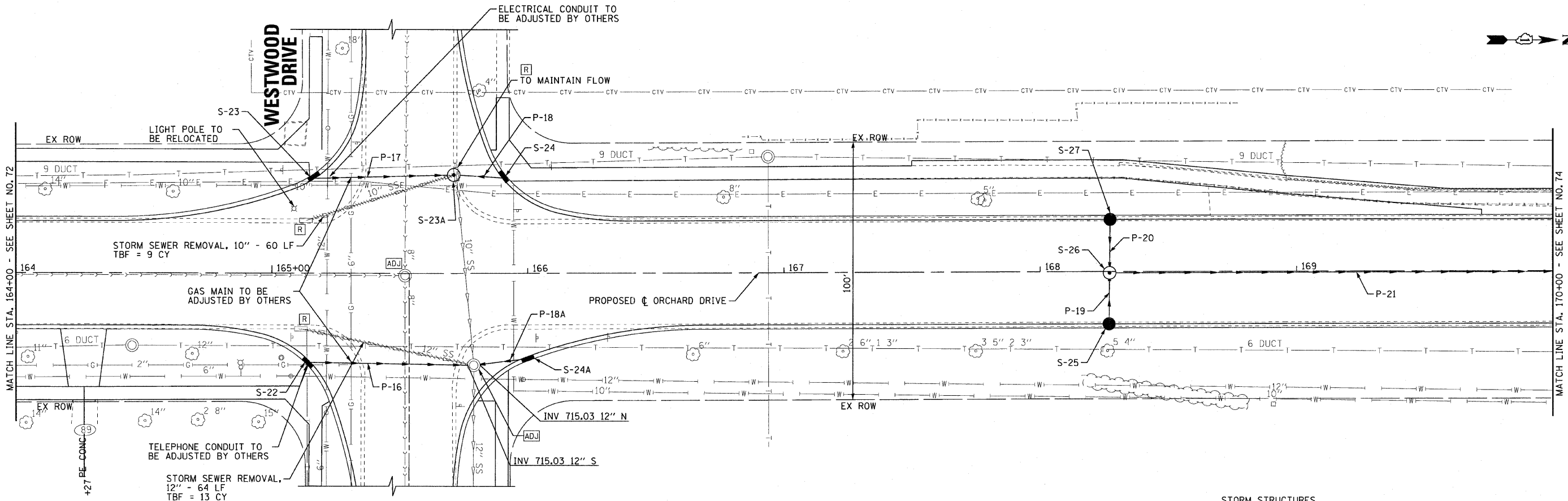
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CHECKED - TAO	REVISED -
DATE - 10/24/11	FILE - 060670-PH2-DU12.sht

STATE OF ILLINOIS
ORCHARD DRIVE IMPROVEMENTS

DRAINAGE AND UTILITY
ORCHARD DRIVE

F.A.U. RTE. 2836	SECTION 06-00090-00-FP	COUNTY COOK	TOTAL SHEETS 200	SHEET NO. 72
SCALE: HORIZ. 1"=20' / VERT. 1"=5'		STA. 158+00 TO STA. 164+00		CONTRACT NO. 63635
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-8003661				

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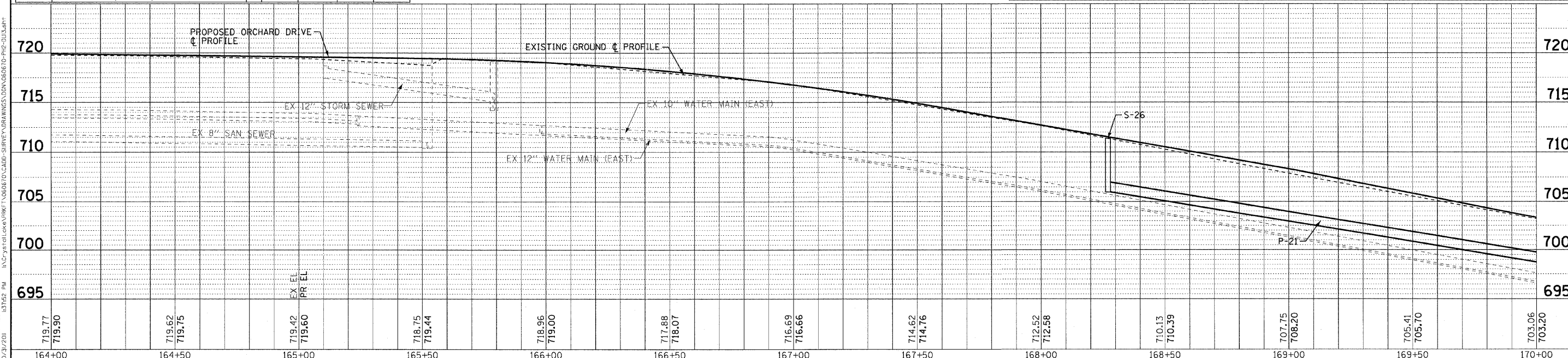
PIPES

NO.	TYPE	DIA. (IN)	LENGTH (LF)	SLOPE	TBF (CY)
P-16	STORM SEWER (WATER MAIN REQUIREMENTS)	12	66	1.02%	20
P-17	STORM SEWER (WATER MAIN REQUIREMENTS)	10	55	0.49%	10
P-18	STORM SEWER (WATER MAIN REQUIREMENTS)	10	19	0.53%	4
P-18A	STORM SEWER (WATER MAIN REQUIREMENTS)	12	22	2.18%	7
P-19	STORM SEWERS, CLASS A, TYPE	1	12	20	1.50%
P-20	STORM SEWERS, CLASS A, TYPE	1	12	20	1.50%
P-21	STORM SEWERS, CLASS A, TYPE	1	12	250	5.00%

STORM STRUCTURES

LABEL	STATION	OFFSET (FT)	TYPE	FRAME	ELEVATION	RIM/EP	INVERT
S-22	165+14	33.7	RT INLET, TYPE A	T-1 F, O.L.	718.88	EP	715.70 12"N
S-23	165+16	36.5	LT INLET, TYPE A	T-1 F, O.L.	718.82	EP	716.60 10"N
S-23A	165+71	38.3	LT MANHOLE, TYPE A, 4' DIA.	T-1 F, C.L.	719.03	RIM	716.33 10"N, S; 716.33 10"E(ex)
S-24	165+90	37.5	LT INLET, TYPE A	T-1 F, O.L.	718.90	EP	716.43 10"S
S-24A	166+00	32.5	RT INLET, TYPE A	T-1 F, O.L.	718.68	EP	715.51 12"S
S-25	168+27	20.5	RT CATCH BASIN, TYPE A, 4' DIA.	T-11V F&G	711.00	EP	708.50 12"W
S-26	168+27	0.5	RT MANHOLE, TYPE A, 4' DIA.	T-1 F, C.L.	711.40	RIM	708.00 12"
S-27	168+27	20.5	LT CATCH BASIN, TYPE A, 4' DIA.	T-11V F&G	711.00	EP	708.50 12"E

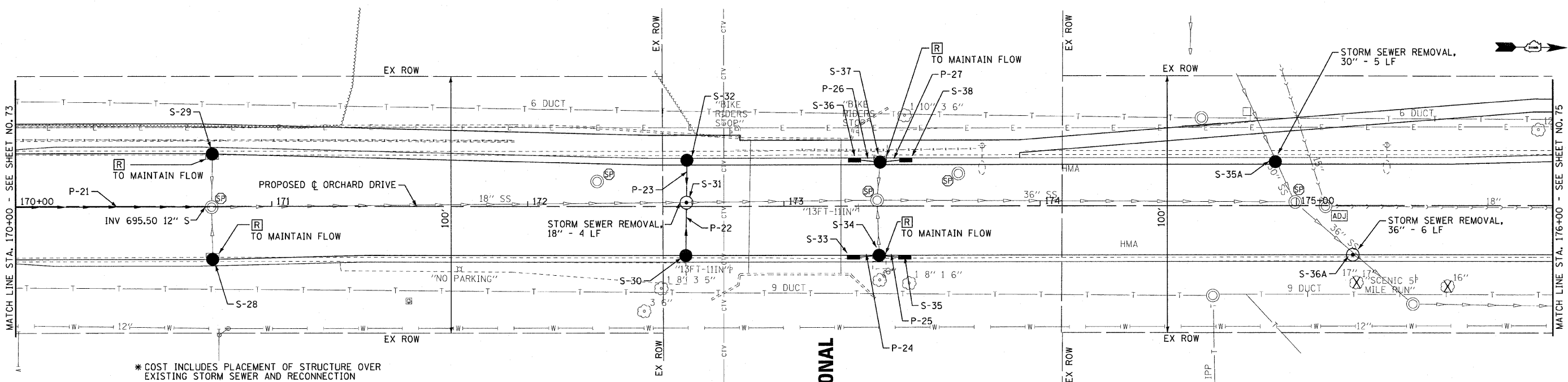
ORCHARD DRIVE



	DESIGNED - AMM	REVISED -	STATE OF ILLINOIS ORCHARD DRIVE IMPROVEMENTS	DRAINAGE AND UTILITY ORCHARD DRIVE	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - UKB	REVISED -			2836	06-00090-00-FP	COOK	200	73
	CHECKED - TAO	REVISED -			CONTRACT NO. 63635				
	DATE - 10/24/11	FILE - 060670-PH2-DUI3.sht			CONTRACT NO. 63635				

SCALE: HORIZ. 1"=20' HORIZ. / 1"=5' VERT. STA. 164+00 TO STA. 170+00 FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-80036611

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* COST INCLUDES PLACEMENT OF STRUCTURE OVER EXISTING STORM SEWER AND RECONNECTION

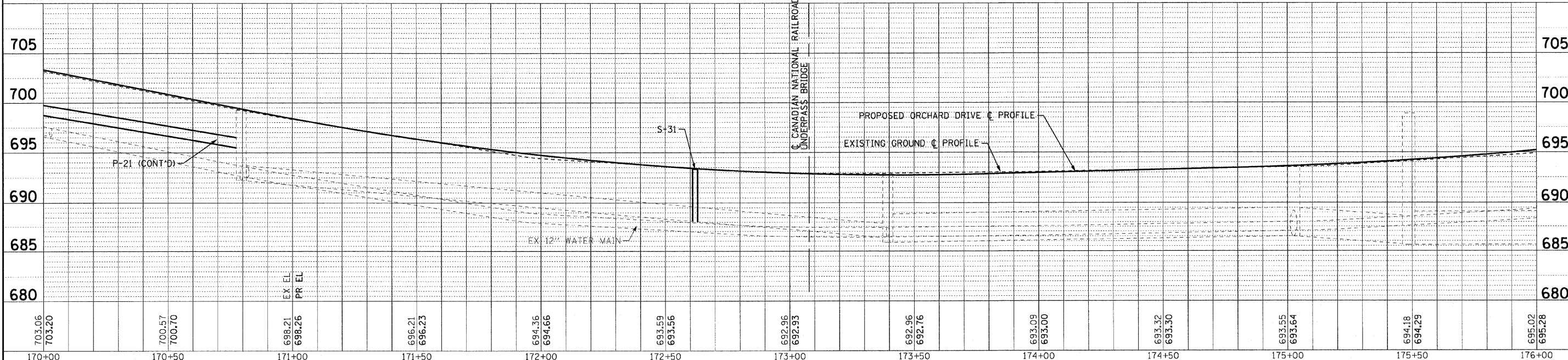
STORM STRUCTURES

LABEL	STATION	OFFSET (FT)	TYPE	FRAME	ELEVATION	RIM/EP	INVERT
S-28	170+77	20.3	RT CATCH BASIN, TYPE A, 4' DIA.	T-24 F&G	699.00	EP	695.20 15"W(ex)
S-29	170+77	20.3	LT CATCH BASIN, TYPE A, 4' DIA.	T-24 F&G	699.07	EP	694.87 15"E(ex)
S-30	172+62	18.0	RT CATCH BASIN, TYPE A, 4' DIA.	T-24 F&G	693.04	EP	689.40 15"W
* S-31	172+62	1.5	LT MANHOLE, TYPE A, 4' DIA.	T-1 F, C.L.	693.36	RIM	688.95 15"E,W; 688.70 18"N(ex),S(ex)
S-32	172+62	18.0	LT CATCH BASIN, TYPE A, 4' DIA.	T-24 F&G	693.04	EP	689.40 15"E
S-33	173+27	18.0	RT INLET, TYPE A	T-24 F&G	692.24	EP	688.80 15"N
S-34	173+37	18.0	RT CATCH BASIN, TYPE A, 4' DIA.	T-24 F&G	692.23	EP	688.63 15"S,N; 688.63 15"W(ex)
S-35	173+47	18.0	RT INLET, TYPE A	T-24 F&G	692.24	EP	688.80 15"S
* S-35A	174+91	18.0	LT CATCH BASIN, TYPE A, 5' DIA.	T-24 F&G	693.24	EP	686.70 30"SW(ex),NE(ex)
S-36	173+28	18.0	LT INLET, TYPE A	T-24 F&G	692.35	EP	688.90 15"N
* S-36A	175+22	18.0	RT MANHOLE, TYPE A, 6' DIA.	T-24 F&G	693.44	EP	686.25 36"SW(ex),NE(ex)
S-37	173+38	18.0	LT CATCH BASIN, TYPE A, 4' DIA.	T-24 F&G	692.34	EP	688.74 15"S,N; 688.74 15"E(ex)
S-38	173+48	18.0	LT INLET, TYPE A	T-24 F&G	692.35	EP	688.90 15"S

PIPES

NO.		TY	DIA. (IN)	LENGTH (LF)	SLOPE	TBF (CY)
P-22	STORM SEWERS, CLASS A	1	15	19	2.37%	7
P-23	STORM SEWERS, CLASS A	1	15	16	2.81%	6
P-24	STORM SEWERS, CLASS A	1	15	8	2.12%	3
P-25	STORM SEWERS, CLASS A	1	15	8	2.12%	3
P-26	STORM SEWERS, CLASS A	1	15	8	2.00%	3
P-27	STORM SEWERS, CLASS A	1	15	8	2.00%	3

ORCHARD DRIVE



DESIGNED - AMM	REVISED -
DRAWN - LKB	REVISED -
CHECKED - TAO	REVISED -
DATE - 10/24/11	FILE - 060670-PH2-DU14.sht

STATE OF ILLINOIS
ORCHARD DRIVE IMPROVEMENTS

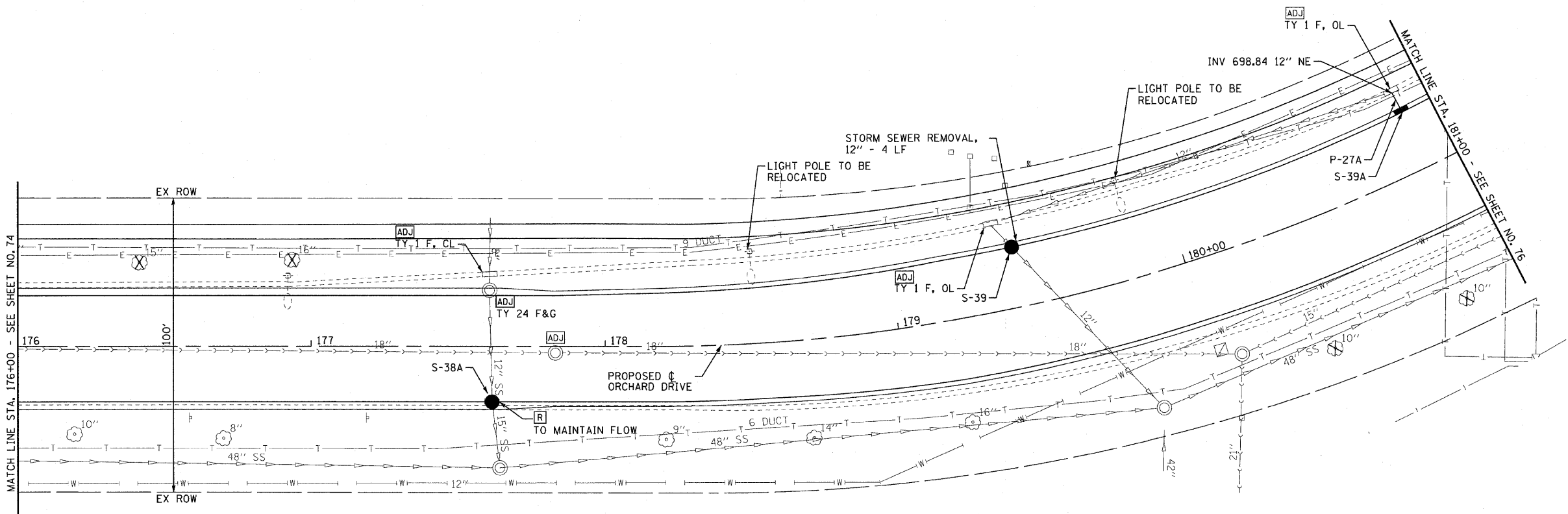
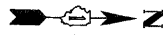
DRAINAGE AND UTILITY
ORCHARD DRIVE

SCALE: HORIZ. 1"=20' / VERT. 1"=5'

STA.170+00 TO STA.176+00

F.A.U. RTE. 2836	SECTION 06-00090-00-FP	COUNTY COOK	TOTAL SHEETS 200	SHEET NO. 74
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63635	
			M-8003(661)	

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 LICENSE NO. 06-00090-00-FP
 PROJECT NO. 060670-PH2-DU14



* COST INCLUDES PLACEMENT OF STRUCTURE OVER EXISTING STORM SEWER AND RECONNECTION

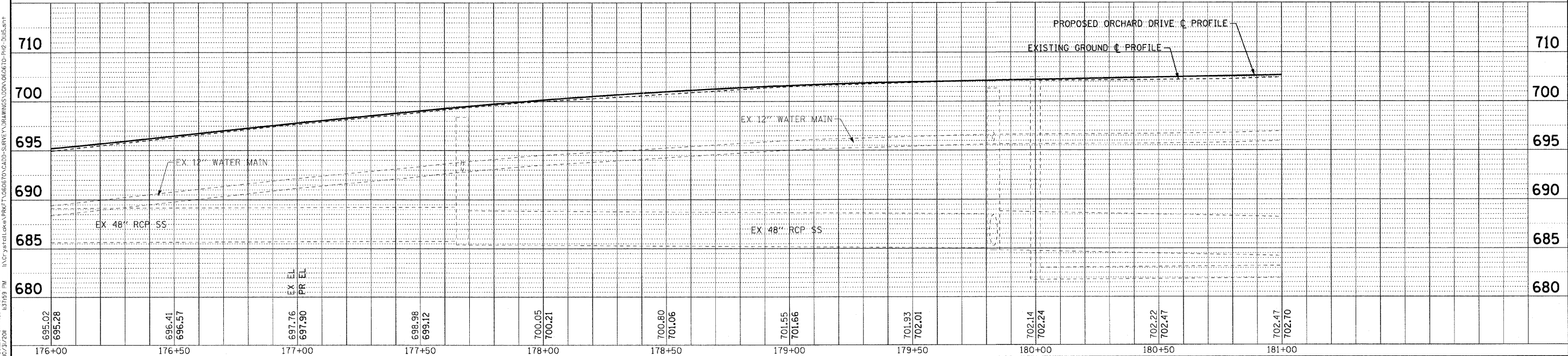
STORM STRUCTURES

LABEL	STATION	OFFSET (FT)	TYPE	FRAME	ELEVATION	RIM/EP	INVERT
S-38A	177+61	18.0	RT CATCH BASIN, TYPE A, 4' DIA.	T-24 F&G	698.90	EP	693.55 15"E(ex); 693.20 15"W(ex)
S-39	179+43	20.5	LT CATCH BASIN, TYPE A, 4' DIA.	T-11V F&G	701.59	EP	697.24 12"SW(ex),NE(ex)
S-39A	180+90	20.5	LT INLET, TYPE A	T-11V F&G	702.19	EP	698.95 12"SW

PIPES

NO.	TY	DIA. (IN)	LENGTH (LF)	SLOPE	TBF (CY)
P-27A	STORM SEWERS, CLASS A	12	6	1.83%	1

ORCHARD DRIVE



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 PROJECT NO. - 060670-PH2-DUI5.sht



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CHECKED - TAO	REVISED -
DATE - 10/24/11	FILE - 060670-PH2-DUI5.sht

STATE OF ILLINOIS
ORCHARD DRIVE IMPROVEMENTS

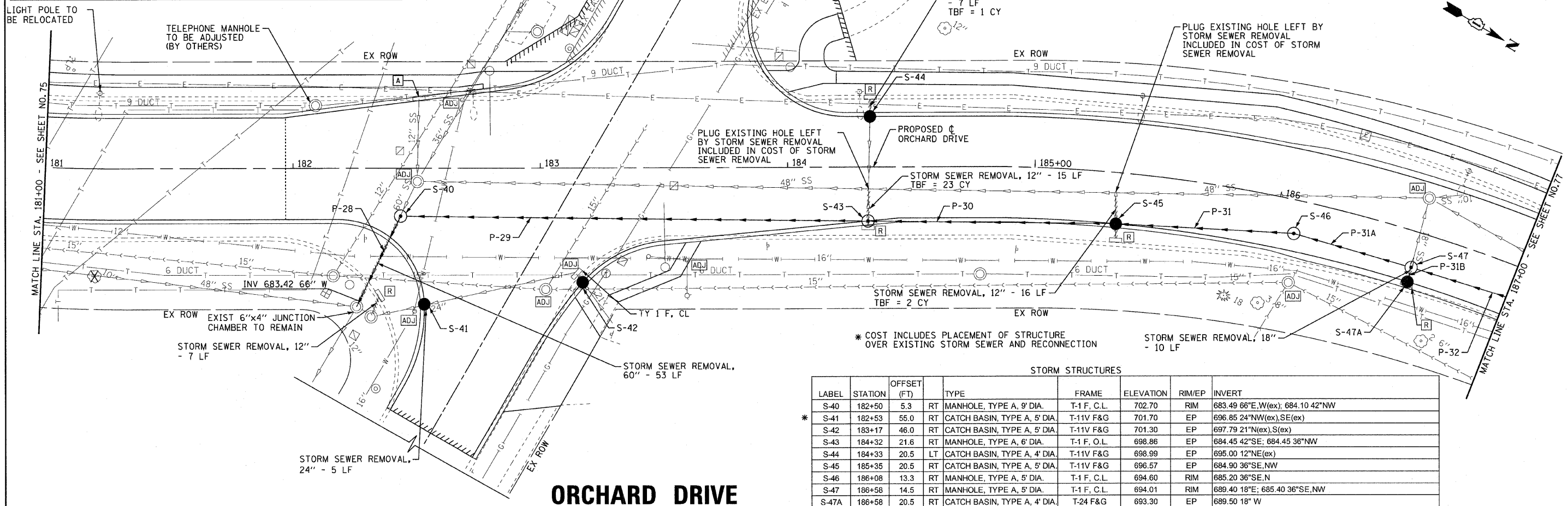
DRAINAGE AND UTILITY
ORCHARD DRIVE

SCALE: HORIZ. 1"=20' / VERT. 1"=5'

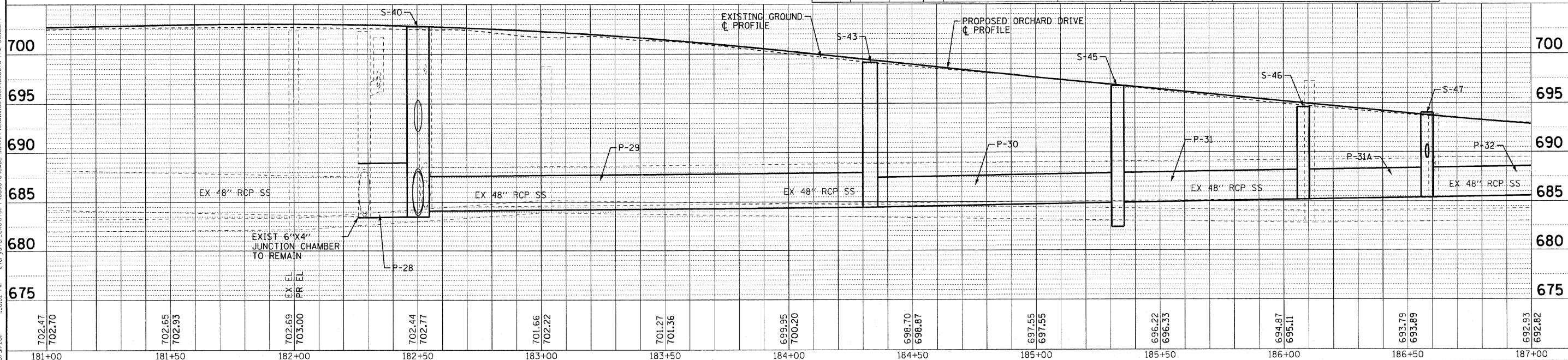
STA. 176+00 TO STA. 181+00

F.A.U. RTE. 2836	SECTION 06-00090-00-FP	COUNTY COOK	TOTAL SHEETS 200	SHEET NO. 75
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT	CONTRACT NO. 63635	
M-8003(66)				

PIPES						
NO.		TY	DIA. (IN)	LENGTH (LF)	SLOPE	TBF (CY)
P-28	STORM SEWERS, CLASS A	3	66	39	0.18%	155
P-29	STORM SEWERS, CLASS A	3	42	189	0.19%	704
P-30	STORM SEWERS, CLASS A	2	36	100	0.45%	265
P-31	STORM SEWERS, CLASS A	2	36	72	0.42%	148
P-31A	STORM SEWERS, CLASS A	2	36	48	0.42%	80
P-31B	STORM SEWERS, RUBBER GASKET, CLASS A	1	18	6	1.67%	3
P-32	STORM SEWERS, CLASS A	2	36	50	0.40%	71



STORM STRUCTURES							
LABEL	STATION	OFFSET (FT)	TYPE	FRAME	ELEVATION	RIM/EP	INVERT
* S-40	182+50	5.3	RT MANHOLE, TYPE A, 9' DIA.	T-1 F, C.L.	702.70	RIM	683.49 66"E, W(ex); 684.10 42"NW
S-41	182+53	55.0	RT CATCH BASIN, TYPE A, 5' DIA.	T-11V F&G	701.70	EP	696.85 24"NW(ex), SE(ex)
S-42	183+17	46.0	RT CATCH BASIN, TYPE A, 5' DIA.	T-11V F&G	701.30	EP	697.79 21"N(ex), S(ex)
S-43	184+32	21.6	RT MANHOLE, TYPE A, 6' DIA.	T-1 F, O.L.	698.86	EP	684.45 42"SE; 684.45 38"NW
S-44	184+33	20.5	LT CATCH BASIN, TYPE A, 4' DIA.	T-11V F&G	698.99	EP	695.00 12"NE(ex)
S-45	185+35	20.5	RT CATCH BASIN, TYPE A, 5' DIA.	T-11V F&G	696.57	EP	684.90 36"SE, NW
S-46	186+08	13.3	RT MANHOLE, TYPE A, 5' DIA.	T-1 F, C.L.	694.60	RIM	685.20 36"SE, N
S-47	186+58	14.5	RT MANHOLE, TYPE A, 5' DIA.	T-1 F, C.L.	694.01	RIM	689.40 18"E; 685.40 36"SE, NW
S-47A	186+58	20.5	RT CATCH BASIN, TYPE A, 4' DIA.	T-24 F&G	693.30	EP	689.50 18" W



702.47 702.70		702.65 702.93		702.69 703.00		702.44 702.77		701.66 702.22		701.27 701.36		699.95 700.20		698.70 698.87		697.55 697.55		696.22 696.33		694.87 695.11		693.79 693.89		692.93 692.82
181+00		181+50		182+00		182+50		183+00		183+50		184+00		184+50		185+00		185+50		186+00		186+50		187+00

DESIGNED - AMM	REVISED -
DRAWN - UKB	REVISED -
CHECKED - TAO	REVISED -
DATE - 10/24/11	FILE - 060670-PH2-DU16.sht

**STATE OF ILLINOIS
ORCHARD DRIVE IMPROVEMENTS**

**DRAINAGE AND UTILITY
ORCHARD DRIVE**

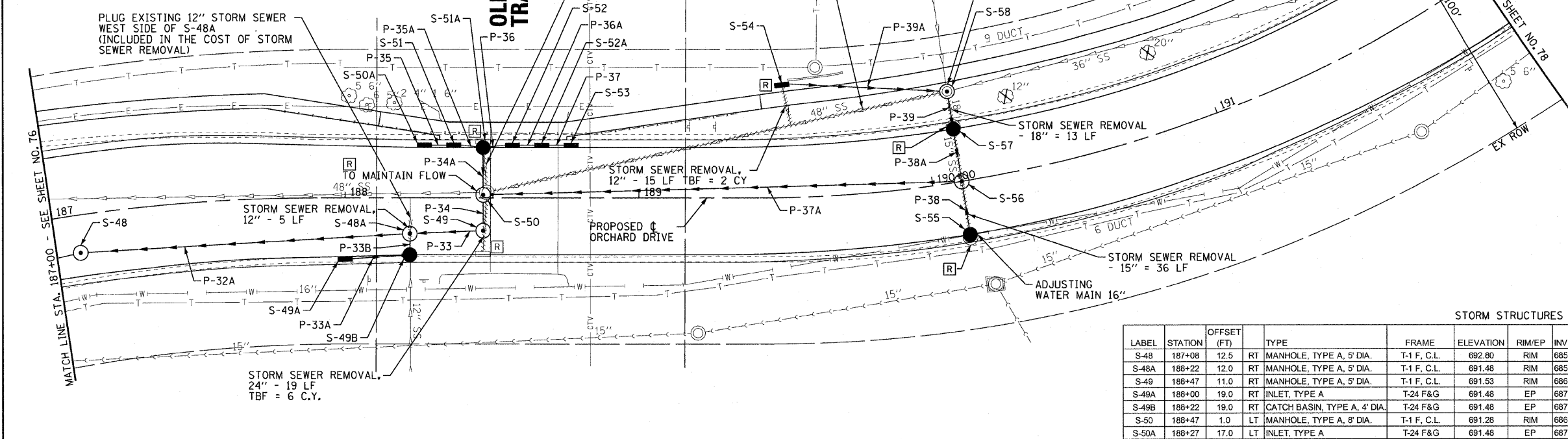
SCALE: HORIZ. 1"=20' / VERT. 1"=5'

STA. 181+00 TO STA. 187+00

F.A.U. RTE. 2836	SECTION 06-00090-00-FP	COUNTY COOK	TOTAL SHEETS 200	SHEET NO. 76
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		M-80031661
CONTRACT NO. 63635				

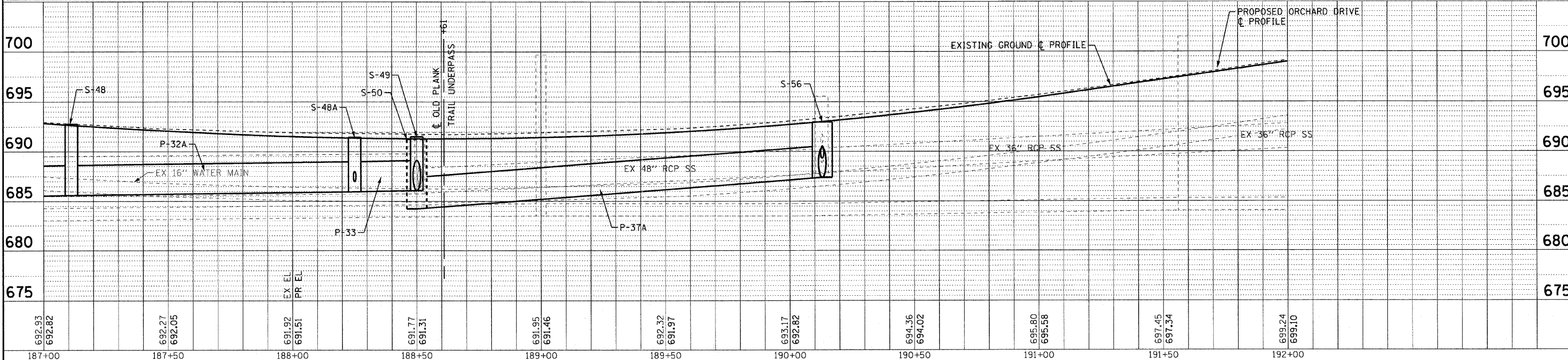
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NO.	TYPE	DIA. (IN)	LENGTH (LF)	SLOPE	TBF (CY)	
P-32A	STORM SEWERS, CLASS A, TYPE	2	36	110	0.34%	112
P-33	STORM SEWERS, CLASS A, TYPE	1	36	25	0.52%	20
P-33A	STORM SEWERS, CLASS A, TYPE	1	12	22	1.36%	8
P-33B	STORM SEWERS, CLASS A, TYPE	2	12	7	4.29%	3
P-34	STORM SEWERS, CLASS A, TYPE	1	36	12	1.25%	9
P-34A	STORM SEWERS, CLASS A, TYPE	1	24	16	0.50%	7
P-35	STORM SEWERS, CLASS A, TYPE	1	12	10	1.10%	3
P-35A	STORM SEWERS, CLASS A, TYPE	1	15	15	0.27%	5
P-36	STORM SEWERS, CLASS A, TYPE	1	15	15	0.27%	5
P-36A	STORM SEWERS, CLASS A, TYPE	1	15	10	0.40%	3



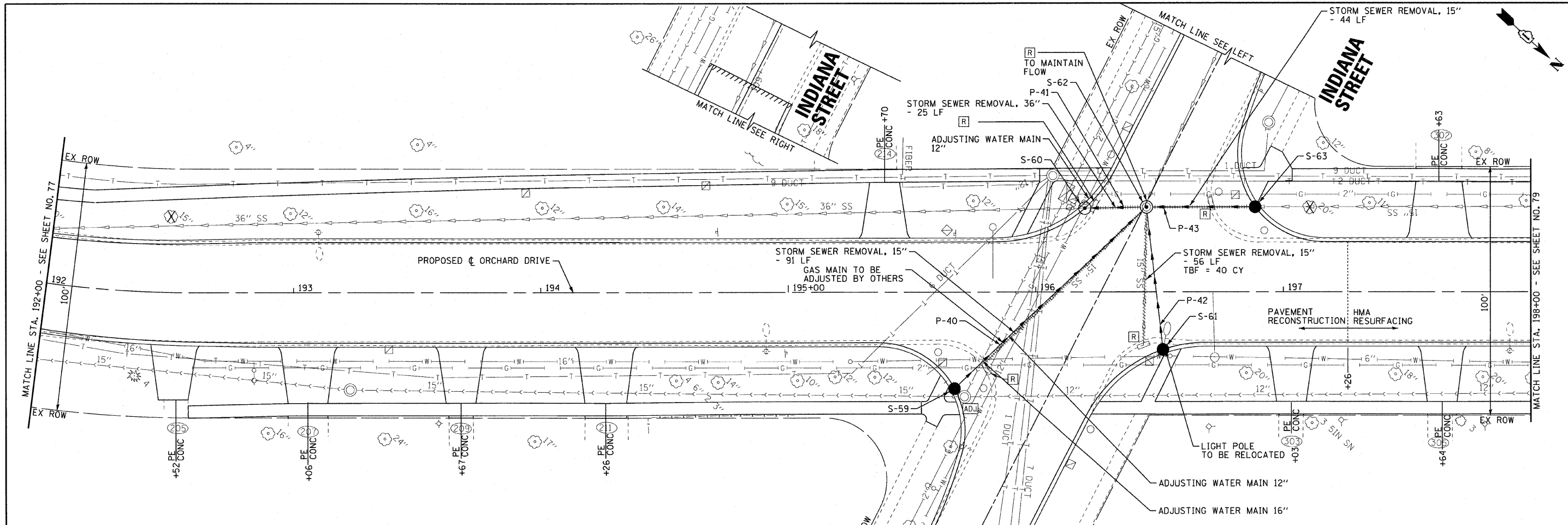
NO.	TYPE	DIA. (IN)	LENGTH (LF)	SLOPE	TBF (CY)	
P-37	STORM SEWERS, CLASS A, TYPE	1	15	10	0.40%	3
P-37A	STORM SEWERS, CLASS A, TYPE	1	38x60	163	0.99%	159
P-38	STORM SEWERS, CLASS A, TYPE	1	15	18	1.00%	7
P-38A	STORM SEWERS, CLASS A, TYPE	1	38x60	18	1.06%	16
P-39	STORM SEWERS, CLASS A, TYPE	1	38x60	12	1.00%	13
P-39A	STORM SEWERS, CLASS A, TYPE	1	12	62	0.50%	19

LABEL	STATION	OFFSET (FT)	TYPE	FRAME	ELEVATION	RIM/EP	INVERT
S-48	187+08	12.5	RT MANHOLE, TYPE A, 5' DIA.	T-1 F, C.L.	692.80	RIM	685.60 36"S,N
S-48A	188+22	12.0	RT MANHOLE, TYPE A, 5' DIA.	T-1 F, C.L.	691.48	RIM	685.97 36"S,N; 687.00 12"E
S-49	188+47	11.0	RT MANHOLE, TYPE A, 5' DIA.	T-1 F, C.L.	691.53	RIM	686.10 36"S,W
S-49A	188+00	19.0	RT INLET, TYPE A	T-24 F&G	691.48	EP	687.80 12"N
S-49B	188+22	19.0	RT CATCH BASIN, TYPE A, 4' DIA.	T-24 F&G	691.48	EP	687.30 12"W, S,E(ex-field verify)
S-50	188+47	1.0	LT MANHOLE, TYPE A, 8' DIA.	T-1 F, C.L.	691.28	RIM	686.60 24"W; 686.25 36"E; 685.78 48"S(ex); 685.78 38"x60"N
S-50A	188+27	17.0	LT INLET, TYPE A	T-24 F&G	691.48	EP	687.80 12"N
S-51	188+37	17.0	LT INLET, TYPE A	T-24 F&G	691.00	EP	687.44 15"N; 687.69 12"S
S-51A	188+47	17.0	LT CATCH BASIN, TYPE A, 5' DIA.	T-24 F&G	690.93	EP	686.68 24"E; 687.40 15"N,S
S-52	188+57	17.0	LT INLET, TYPE A	T-24 F&G	690.93	EP	687.44 15"S,N
S-52A	188+67	17.0	LT INLET, TYPE A	T-24 F&G	690.93	EP	687.48 15"N,S
S-53	188+77	17.0	LT INLET, TYPE A	T-24 F&G	691.00	EP	687.52 15"S
S-54	189+48	38.0	LT INLET, TYPE A	T-1 F, O.L.	694.00	RIM	690.83 12"N
S-55	190+10	18.0	RT CATCH BASIN, TYPE A, 4' DIA.	T-24 F&G	693.72	EP	689.48 15"W
S-56	190+10	0.0	CL MANHOLE, TYPE A, 8' DIA.	T-1 F, C.L.	693.00	RIM	687.39 38"x60"S,W; 689.30 15"E
S-57	190+10	18.0	LT CATCH BASIN, TYPE A, 4' DIA.	T-24 F&G	692.28	EP	687.58 38"x60"E,W
S-58	190+10	31.0	LT MANHOLE, TYPE A, 8' DIA.	T-1 F, C.L.	694.50	RIM	687.70 38"x60"E; 690.52 12"S; 690.87 12"W(ex); 687.82 36"N(ex)



	DESIGNED - AMM	REVISED -	STATE OF ILLINOIS ORCHARD DRIVE IMPROVEMENTS	DRAINAGE AND UTILITY ORCHARD DRIVE	F.A.U. RTE. 2836	SECTION 06-00090-00-FP	COUNTY COOK	TOTAL SHEETS 200	SHEET NO. 77
	DRAWN - UKB	REVISED -			CONTRACT NO. 63635				
	CHECKED - TAO	REVISED -			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-8003663				
	DATE - 10/24/11	FILE - 060670-PH2-DUI7.sht			SCALE: HORIZ. 1"=20' / VERT. 1"=5'				

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 STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
 LICENSE NO. - BF 00000000
 PROJECT NO. - 060670-PH2-DUI7.sht
 PROJECT LOCATION - ILLINOIS
 PROJECT DESCRIPTION - ORCHARD DRIVE IMPROVEMENTS



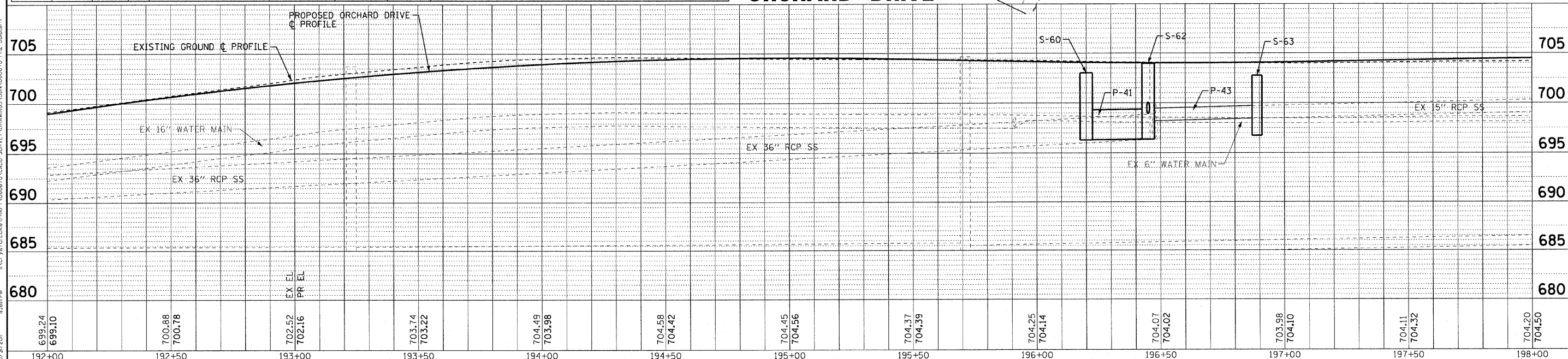
STORM STRUCTURES

LABEL	STATION	OFFSET (FT)	TYPE	FRAME	ELEVATION	RIM/EP	INVERT
S-59	195+68	40.0	RT CATCH BASIN, TYPE A, 4' DIA.	T-11V F&G	703.20	EP	699.75 15"W
S-60	196+20	34.0	LT MANHOLE, TYPE A, 5' DIA.	T-11 F&G	703.02	EP	696.30 36"NW; 696.30 36"SE(ex)
S-61	196+51	23.0	RT CATCH BASIN, TYPE A, 4' DIA.	T-11V F&G	703.10	EP	699.25 15"SW
S-62	196+45	34.4	LT MANHOLE, TYPE A, 5' DIA.	T-1 F. C.L.	703.98	RIM	696.38 36"SE; 699.00 15"NE; 698.93 15"E; 698.21 15" NW, 696.48 36"W(ex)
S-63	196+89	34.4	LT CATCH BASIN, TYPE A, 4' DIA.	T-11V F&G	702.76	EP	698.46 15"SE; 698.46 15"NW(ex)

PIPES

NO.	TY	DI. (IN)	LENGTH (LF)	SLOPE	TBF (CY)
P-40	STORM SEWERS, RUBBER GASKET, CLASS A	15	106	0.77%	40
P-41	STORM SEWERS, RUBBER GASKET, CLASS A	36	24	0.33%	30
P-42	STORM SEWERS, RUBBER GASKET, CLASS A	15	57	0.44%	23
P-43	STORM SEWERS, CLASS A	15	44	0.57%	17

ORCHARD DRIVE



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DATE - 10/24/11	FILE - 060670-PH2-DUI8.sht

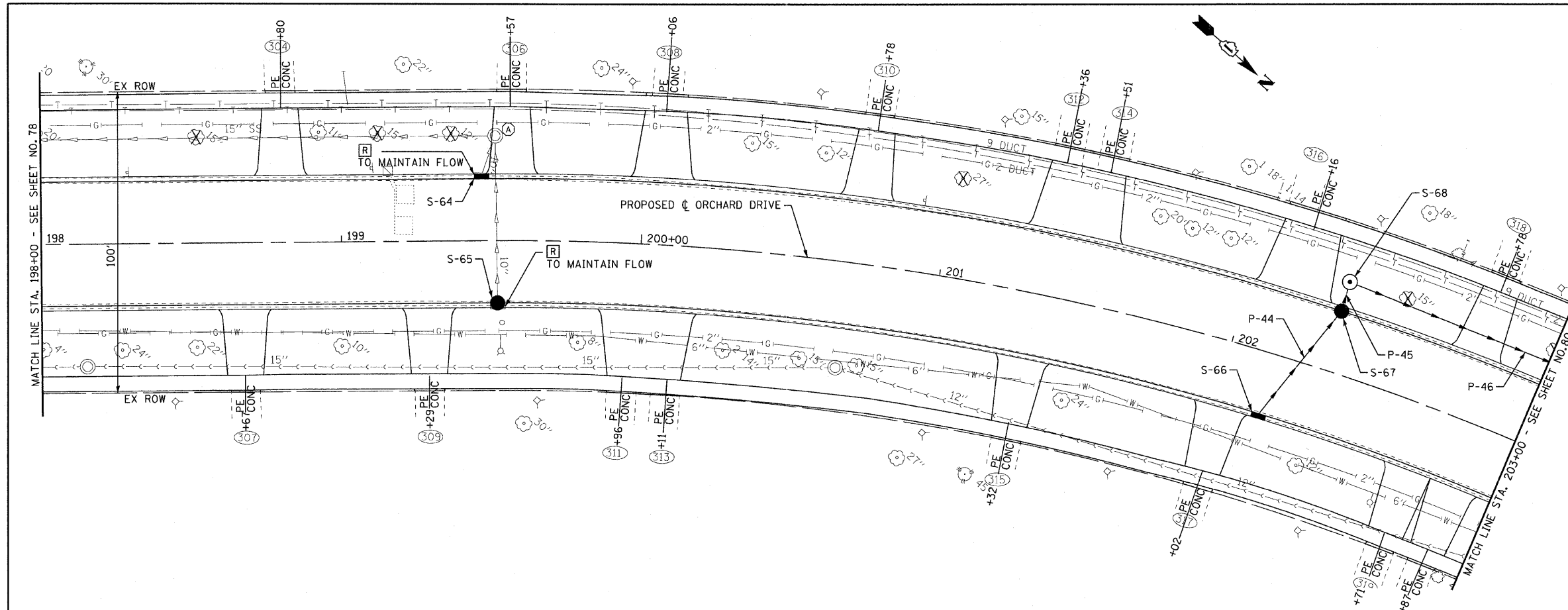
STATE OF ILLINOIS
ORCHARD DRIVE IMPROVEMENTS

DRAINAGE AND UTILITY
ORCHARD DRIVE

SCALE: HORIZ. 1"=20' / VERT. 1"=5'

STA. 192+00 TO STA. 198+00

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2836	06-0090-00-FP	COOK	200	78
CONTRACT NO. 63635			M-8003661	



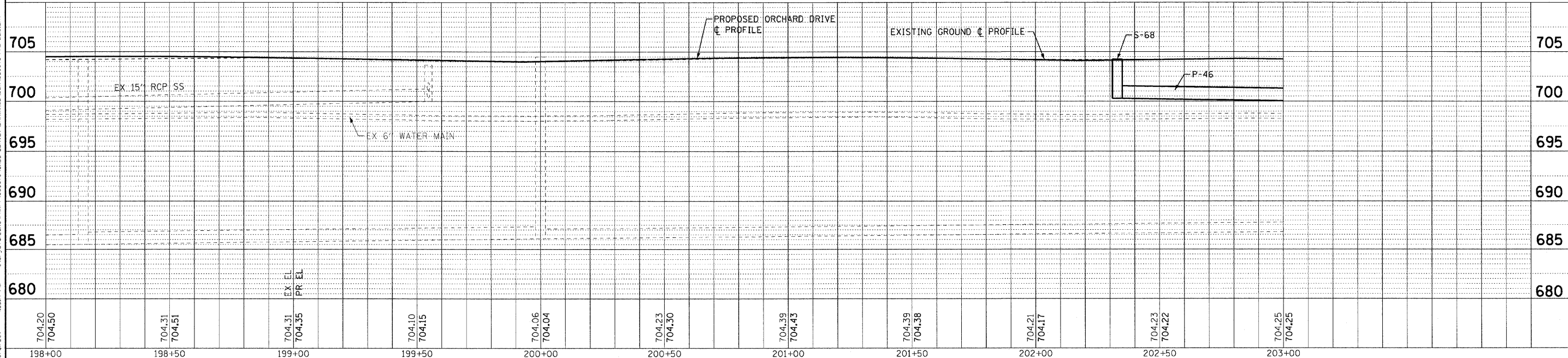
STORM STRUCTURES

LABEL	STATION	OFFSET (FT)	TYPE	FRAME	ELEVATION	RIM/EP	INVERT
S-64	199+47	20.5	LT INLET, TYPE A	T-11V F&G	703.74	EP	700.67 10"W(ex)
S-65	199+51	20.5	RT CATCH BASIN, TYPE A, 4' DIA.	T-11V F&G	703.74	EP	700.29 10"SW(ex)
S-66	202+18	20.5	RT INLET, TYPE A	T-11V F&G	703.69	EP	700.72 12"NW
S-67	202+30	20.5	LT CATCH BASIN, TYPE A, 4' DIA.	T-11V F&G	703.79	EP	700.53 12"NE; 700.32 15"W
S-68	202+30	30.0	LT MANHOLE, TYPE A, 4' DIA.	T-1 F, C.L.	704.25	RIM	700.29 15"E.N

PIPES

NO.	TY	DIA. (IN)	LENGTH (LF)	SLOPE	TBF (CY)
P-44	STORM SEWERS, RCP, CLASS A	12	44	0.45%	12
P-45	STORM SEWERS, RCP, CLASS A	15	9	0.38%	1
P-46	STORM SEWERS, RCP, CLASS A	15	115	0.36%	16

ORCHARD DRIVE



DESIGNED - AMM	REVISED -
DRAWN - UKB	REVISED -
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DATE - 10/24/11	FILE - 060670-PH2-DUI9.shx

STATE OF ILLINOIS
ORCHARD DRIVE IMPROVEMENTS

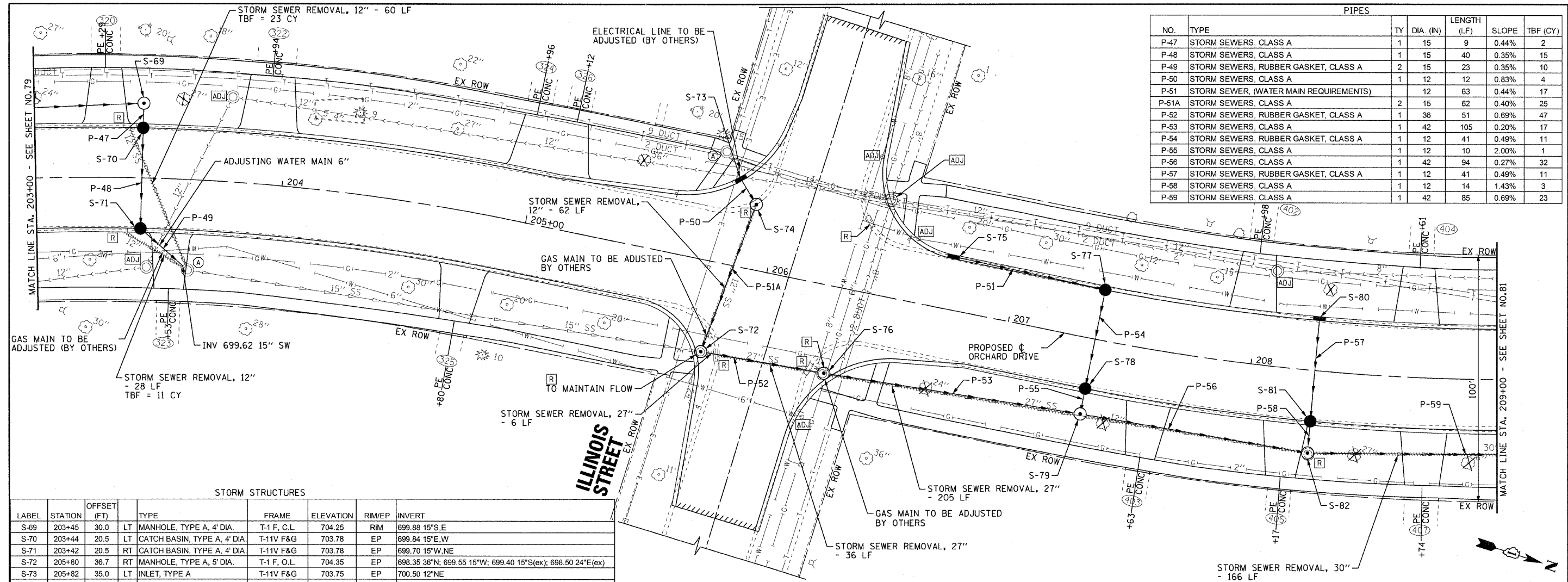
DRAINAGE AND UTILITY
ORCHARD DRIVE

SCALE: HORIZ. 1"=20' / VERT. 1"=5'

STA. 198+00 TO STA. 203+00

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2836	06-00090-00-FP	COOK	200	79
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT			CONTRACT NO. 63635	
			M-8033661	

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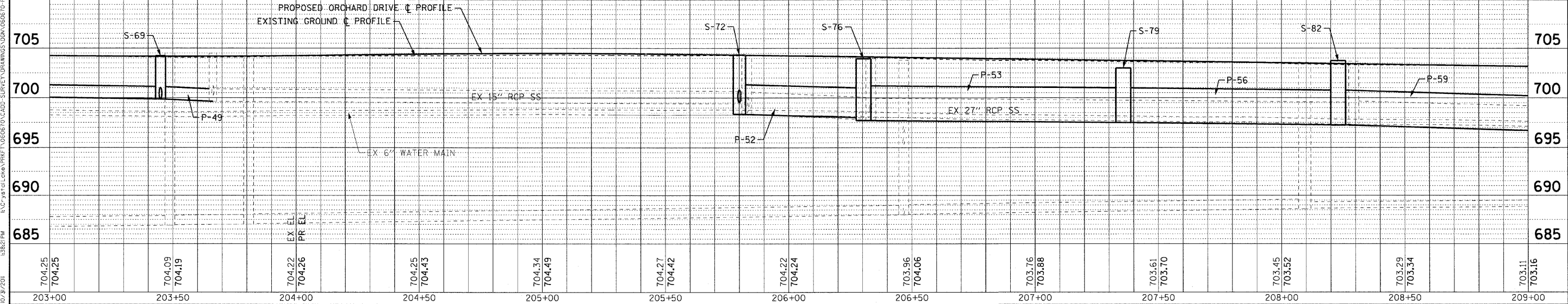


PIPES						
NO.	TYPE	TY	DIA. (IN)	LENGTH (LF)	SLOPE	TBF (CY)
P-47	STORM SEWERS, CLASS A	1	15	9	0.44%	2
P-48	STORM SEWERS, CLASS A	1	15	40	0.35%	15
P-49	STORM SEWERS, RUBBER GASKET, CLASS A	2	15	23	0.35%	10
P-50	STORM SEWERS, CLASS A	1	12	12	0.83%	4
P-51	STORM SEWER, (WATER MAIN REQUIREMENTS)	1	12	63	0.44%	17
P-51A	STORM SEWERS, CLASS A	2	15	62	0.40%	25
P-52	STORM SEWERS, RUBBER GASKET, CLASS A	1	36	51	0.69%	17
P-53	STORM SEWERS, CLASS A	1	42	105	0.20%	47
P-54	STORM SEWERS, RUBBER GASKET, CLASS A	1	12	41	0.49%	11
P-55	STORM SEWERS, CLASS A	1	12	10	2.00%	1
P-56	STORM SEWERS, CLASS A	1	42	94	0.27%	32
P-57	STORM SEWERS, RUBBER GASKET, CLASS A	1	12	41	0.49%	11
P-58	STORM SEWERS, CLASS A	1	12	14	1.43%	3
P-59	STORM SEWERS, CLASS A	1	42	85	0.69%	23

STORM STRUCTURES

LABEL	STATION	OFFSET (FT)	TYPE	FRAME	ELEVATION	RIM/EP	INVERT
S-69	203+45	30.0	LT MANHOLE, TYPE A, 4' DIA.	T-1 F, C.L.	704.25	RIM	699.88 15°S,E
S-70	203+44	20.5	LT CATCH BASIN, TYPE A, 4' DIA.	T-11V F&G	703.78	EP	699.84 15°E,W
S-71	203+42	20.5	RT CATCH BASIN, TYPE A, 4' DIA.	T-11V F&G	703.78	EP	699.70 15°W,NE
S-72	205+80	36.7	RT MANHOLE, TYPE A, 5' DIA.	T-1 F, O.L.	704.35	EP	698.35 36°N; 699.55 15°W; 699.40 15°S(ex); 698.50 24°E(ex)
S-73	205+82	35.0	LT INLET, TYPE A	T-11V F&G	703.75	EP	700.50 12°NE
S-74	205+90	26.0	LT MANHOLE, TYPE A, 4' DIA.	T-1 F, C.L.	703.78	RIM	699.80 15°E; 700.40 12°SW
S-75	206+73	20.5	LT INLET, TYPE A	T-11V F&G	703.96	EP	700.48 12° N
S-76	206+31	35.5	RT MANHOLE, TYPE A, 6' DIA.	T-1 F, O.L.	703.96	EP	698.00 36°S; 697.71 42°N
S-77	207+36	20.5	LT CATCH BASIN, TYPE C	T-11V F&G	703.34	EP	700.20 12°E,S
S-78	207+36	20.5	RT CATCH BASIN, TYPE A, 4' DIA.	T-11V F&G	703.34	EP	700.00 12°E,W
S-79	207+36	31.0	RT MANHOLE, TYPE A, 6' DIA.	T-1 F, C.L.	703.00	RIM	697.50 42°N,S; 699.80 12°W
S-80	208+26	20.5	LT INLET, TYPE A	T-11V F&G	703.02	EP	699.90 12°E
S-81	208+26	20.5	RT CATCH BASIN, TYPE A, 4' DIA.	T-11V F&G	703.09	EP	699.70 12°E,W
S-82	208+26	33.3	RT MANHOLE, TYPE A, 6' DIA.	T-1 F, C.L.	703.75	RIM	697.25 42°N,S; 699.50 12°W

ORCHARD DRIVE



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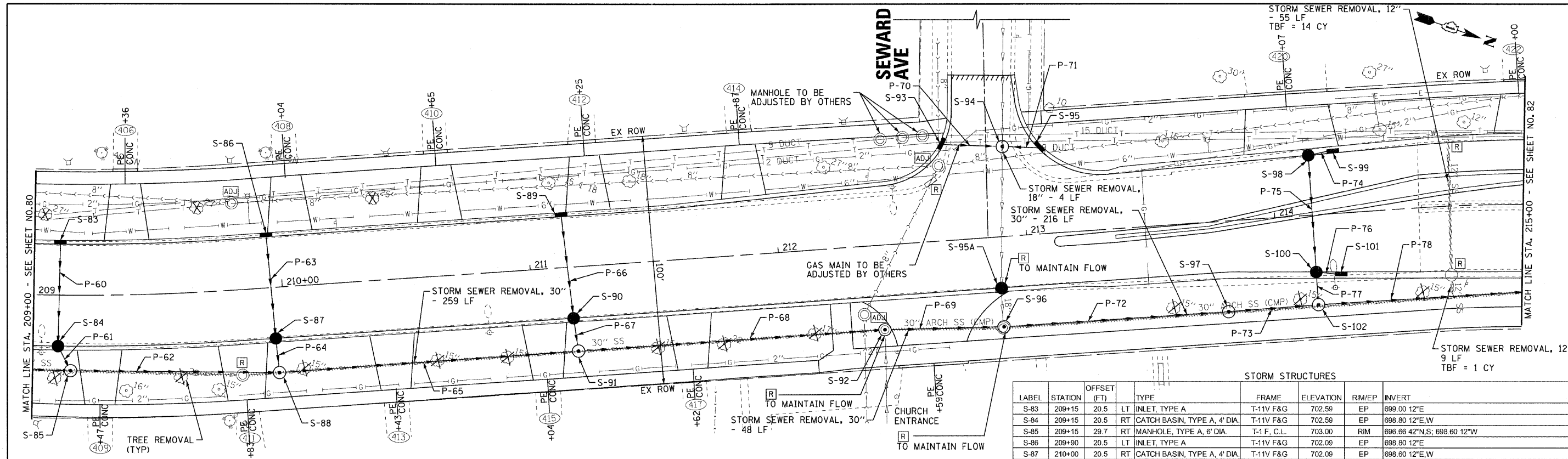
STATE OF ILLINOIS
ORCHARD DRIVE IMPROVEMENTS

DRAINAGE AND UTILITY
ORCHARD DRIVE

SCALE: HORIZ. 1"=20' / VERT. 1"=5'

STA. 203+00 TO STA. 209+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2836	06-00090-00-FP	COOK	200	80
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63635	
			M-8003661	



PIPES

NO.	TY	DIA. (IN)	LENGTH (LF)	SLOPE	TBF (CY)
P-60	STORM SEWERS, RUBBER GASKET, CLASS A	12	41	0.49%	13
P-61	STORM SEWERS, CLASS A	12	10	2.00%	2
P-62	STORM SEWERS, CLASS A	42	84	0.64%	49
P-63	STORM SEWERS, RUBBER GASKET, CLASS A	12	41	0.49%	12
P-64	STORM SEWERS, CLASS A	12	12	1.67%	3
P-65	STORM SEWERS, CLASS A	38x60	120	0.22%	52
P-66	STORM SEWERS, RUBBER GASKET, CLASS A	12	41	0.49%	12
P-67	STORM SEWERS, CLASS A	12	13	1.54%	2
P-68	STORM SEWERS, CLASS A	38x60	123	1.16%	34

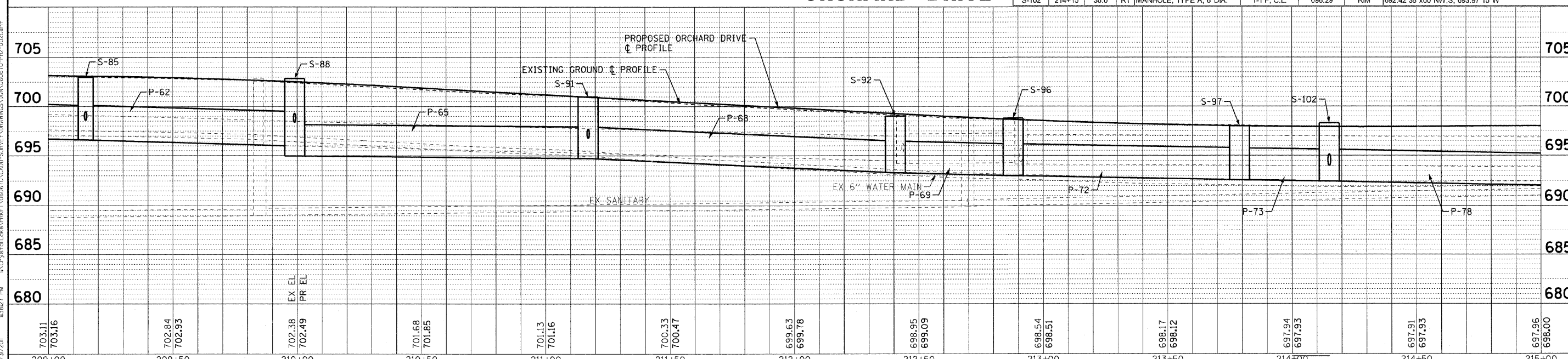
PIPES (CONT)

NO.	TY	DIA. (IN)	LENGTH (LF)	SLOPE	TBF (CY)
P-69	STORM SEWERS, CLASS A	38x60	48	0.62%	44
P-70	STORM SEWERS, CLASS A	12	24	0.83%	7
P-71	STORM SEWERS, CLASS A	12	12	0.42%	4
P-72	STORM SEWERS, CLASS A	38x60	90	0.46%	0
P-73	STORM SEWERS, CLASS A	38x60	35	0.49%	35
P-74	STORM SEWER (WATER MAIN REQUIREMENTS)	12	9	0.44%	3
P-75	STORM SEWERS, RUBBER GASKET, CLASS A	15	48	0.35%	15
P-76	STORM SEWERS, CLASS A	12	9	0.87%	3
P-77	STORM SEWERS, CLASS A	15	13	0.54%	3
P-78	STORM SEWERS, CLASS A	38x60	90	0.47%	100

* COST INCLUDES PLACEMENT OF STRUCTURE OVER EXISTING STORM SEWER AND RECONNECTION

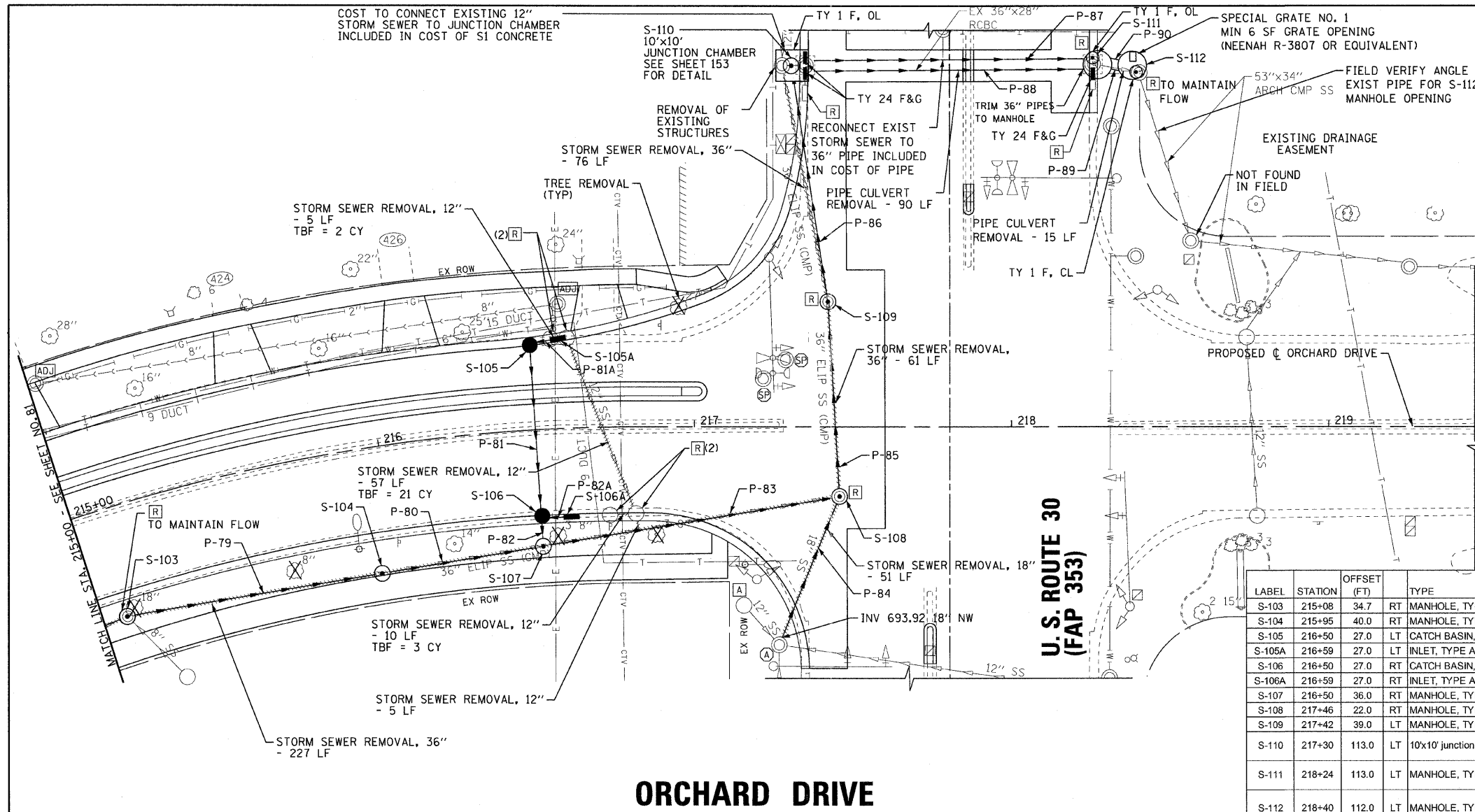
STORM STRUCTURES									
LABEL	STATION	OFFSET (FT)	TYPE	FRAME	ELEVATION	RIM/EP	INVERT		
S-83	209+15	20.5	LT INLET, TYPE A	T-11V F&G	702.59	EP	699.00 12"E		
S-84	209+15	20.5	RT CATCH BASIN, TYPE A, 4' DIA.	T-11V F&G	702.59	EP	698.80 12"E,W		
S-85	209+15	29.7	RT MANHOLE, TYPE A, 6' DIA.	T-1 F, C.L.	703.00	RIM	696.66 42"N,S; 698.60 12"W		
S-86	209+90	20.5	LT INLET, TYPE A	T-11V F&G	702.09	EP	698.80 12"E		
S-87	210+00	20.5	RT CATCH BASIN, TYPE A, 4' DIA.	T-11V F&G	702.09	EP	698.60 12"E,W		
S-88	210+00	34.0	RT MANHOLE, TYPE A, 8' DIA.	T-1 F, C.L.	702.87	RIM	696.12 42"S; 695.00 38"x60"N; 698.40 12"W		
S-89	211+17	20.5	LT INLET, TYPE A	T-11V F&G	700.49	EP	697.20 12"E		
S-90	211+17	20.5	RT CATCH BASIN, TYPE A, 4' DIA.	T-11V F&G	700.49	EP	697.00 12"E,W		
S-91	211+17	34.0	RT MANHOLE, TYPE A, 8' DIA.	T-1 F, C.L.	701.00	RIM	694.73 38"x60"N,S; 696.80 12"W		
S-92	212+40	33.9	RT MANHOLE, TYPE A, 8' DIA.	T-1 F, C.L.	699.01	RIM	693.30 38"x60"N,S; 695.36 21"E(ex)		
S-93	212+67	38.0	LT INLET, TYPE A	T-11V F&G	698.20	EP	695.10 12"NW		
S-94	212+90	40.0	LT MANHOLE, TYPE A, 4' DIA.	T-1 F, C.L.	698.00	RIM	694.00 18"E(ex),W(ex); 694.90 12"SE; 694.60 12"NE		
S-95	213+07	34.5	LT INLET, TYPE A	T-11V F&G	697.83	EP	694.65 12"SW		
S-95A	212+88	20.5	RT CATCH BASIN, TYPE A, 4' DIA.	T-11V F&G	698.29	EP	694.45 18"E(ex),W(ex)		
S-96	212+88	36.0	RT MANHOLE, TYPE A, 8' DIA.	T-1 F, C.L.	698.79	RIM	693.00 38"x60"NW,SE; 694.34 18"SW(ex)		
S-97	213+79	38.3	RT MANHOLE, TYPE A, 8' DIA.	T-1 F, C.L.	698.00	RIM	692.59 38"x60"NE		
S-98	214+15	24.0	LT CATCH BASIN, TYPE A, 4' DIA.	T-24 F&G	697.62	EP	694.46 12"NW; 694.21 15"NE		
S-99	214+25	24.0	LT INLET, TYPE A	T-24 F&G	697.62	EP	694.50 12"SE		
S-100	214+15	23.0	RT CATCH BASIN, TYPE A, 4' DIA.	T-24 F&G	697.64	EP	694.29 12"NW; 694.04 15"SW,NE		
S-101	214+25	23.0	RT INLET, TYPE A	T-24 F&G	697.64	EP	694.35 12"SE		
S-102	214+15	36.0	RT MANHOLE, TYPE A, 8' DIA.	T-1 F, C.L.	698.29	RIM	692.42 38"x60"NW,S; 693.97 15"W		

ORCHARD DRIVE

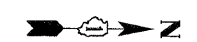


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 LICENSE NO. 184-00021-EXPRES 4/20/2013
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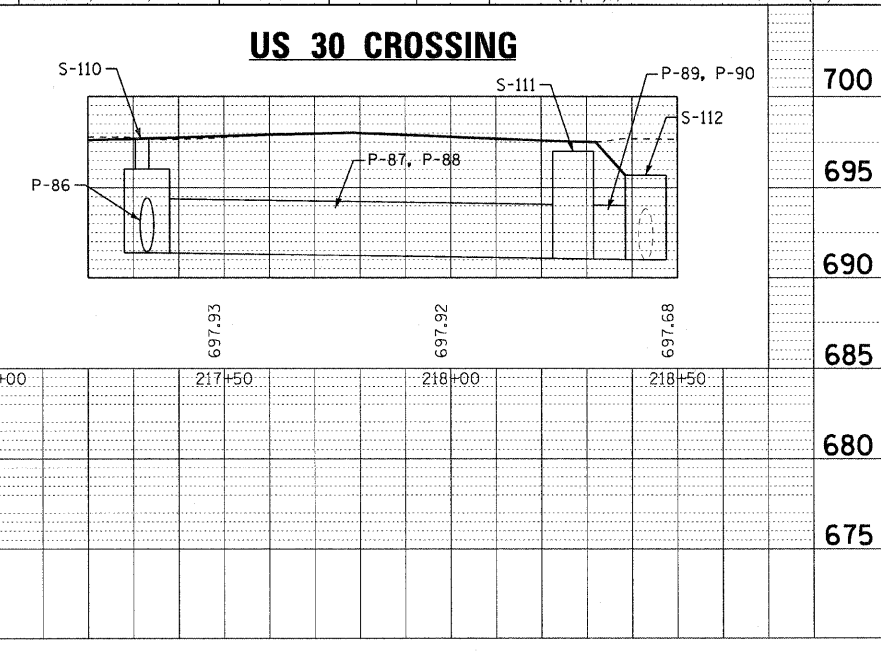
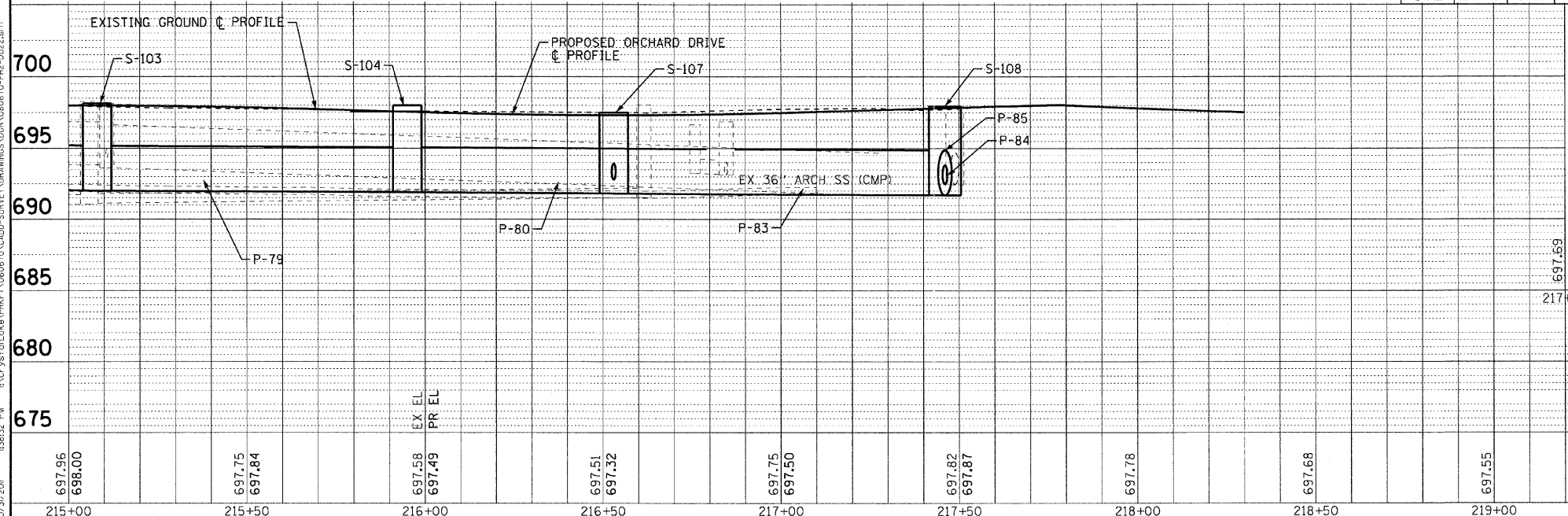
COST TO CONNECT EXISTING 12" STORM SEWER TO JUNCTION CHAMBER INCLUDED IN COST OF S1 CONCRETE



PIPES					
NO.	TYPE	DIA. (IN)	LENGTH (LF)	SLOPE	TBF (CY)
P-79	STORM SEWERS, CLASS A, TYPE	1 38x60	82	0.12%	97
P-80	STORM SEWERS, CLASS A, TYPE	1 38x60	55	0.24%	68
P-81	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE	1 15	54	0.28%	21
P-81A	STORM SEWER (WATER MAIN REQUIREMENTS)	12	9	0.44%	3
P-82	STORM SEWERS, CLASS A, TYPE	2 15	9	4.11%	6
P-82A	STORM SEWERS, CLASS A, TYPE	1 12	9	0.44%	3
P-83	STORM SEWERS, CLASS A, TYPE	1 38x60	96	0.13%	107
P-84	STORM SEWERS, CLASS A, TYPE	2 18	50	2.88%	36
P-85	STORM SEWERS, CLASS A, TYPE	1 38x60	61	0.15%	68
P-86	STORM SEWERS, CLASS A, TYPE	1 38x60	57	0.30%	62
P-87	STORM SEWERS, CLASS A, TYPE	1 36	91	0.36%	79
P-88	STORM SEWERS, CLASS A, TYPE	1 36	91	0.36%	79
P-89	STORM SEWERS, CLASS A, TYPE	1 36	8	0.75%	0
P-90	STORM SEWERS, CLASS A, TYPE	1 36	8	0.75%	0



STORM STRUCTURES						
LABEL	STATION	OFFSET (FT)	TYPE	FRAME	ELEVATION	RIM/EP INVERT
S-103	215+08	34.7	RT MANHOLE, TYPE A, 8' DIA.	T-1 F, C.L.	698.14	RIM 692.00 38"x60"NW,SE; 694.34 8"(ex)
S-104	215+95	40.0	RT MANHOLE, TYPE A, 8' DIA.	T-1 F, C.L.	698.00	RIM 691.90 38"x60"NW,SE
S-105	216+50	27.0	LT CATCH BASIN, TYPE A, 4' DIA.	T-11V F&G	696.85	EP 693.32 15"E; 693.37 12"N
S-105A	216+59	27.0	LT INLET, TYPE A	T-11V F&G	696.86	EP 693.41 12"S
S-106	216+50	27.0	RT CATCH BASIN, TYPE A, 4' DIA.	T-11V F&G	696.92	EP 693.17 15"E,W; 693.17 12"N
S-106A	216+59	27.0	RT INLET, TYPE A	T-11V F&G	696.93	EP 693.21 12"S
S-107	216+50	36.0	RT MANHOLE, TYPE A, 8' DIA.	T-1 F, C.L.	697.50	RIM 691.82 38"x60"SE,N; 692.80 15"W
S-108	217+46	22.0	RT MANHOLE, TYPE A, 9' DIA.	T-1 F, C.L.	697.95	RIM 691.70 38"x60"W,S; 692.48 18"SE
S-109	217+42	39.0	LT MANHOLE, TYPE A, 8' DIA.	T-1 F, C.L.	697.29	RIM 691.61 38"x60"E,W
S-110	217+30	113.0	LT 10'x10' junction chamber	T-1 F, O.L.; 2-T-24 F&G	697.60 697.09	RIM 691.44 38"x60"E; 691.40 36"(2pipes)N; 691.83 12"W(ex)
S-111	218+24	113.0	LT MANHOLE, TYPE A, 9' DIA.	T-1 F, O.L.; T-24 F&G	697.01	EP 691.07 36"(2pipes)S,N
S-112	218+40	112.0	LT MANHOLE, TYPE A, 9' DIA.	T-1 F, C.L.; SPG1	695.70	RIM 691.01 36"(2pipes)S; 691.01 53"x34" Arch CMP NE(ex)



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 STATE OF ILLINOIS PROFESSIONAL ENGINEER
 LICENSE NO. 04-00121 - EXPIRES 4/30/2013
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DESIGNED - AMM	REVISED -
DRAWN - UKB	REVISED -
CHECKED - TAD	REVISED -
DATE - 10/24/11	FILE - 060670-PH2-DU22.sh1

**STATE OF ILLINOIS
ORCHARD DRIVE IMPROVEMENTS**

**DRAINAGE AND UTILITY
ORCHARD DRIVE**

SCALE: HORIZ. 1"=20' / VERT. 1"=5'

STA. 215+00 TO STA. 217+38.09

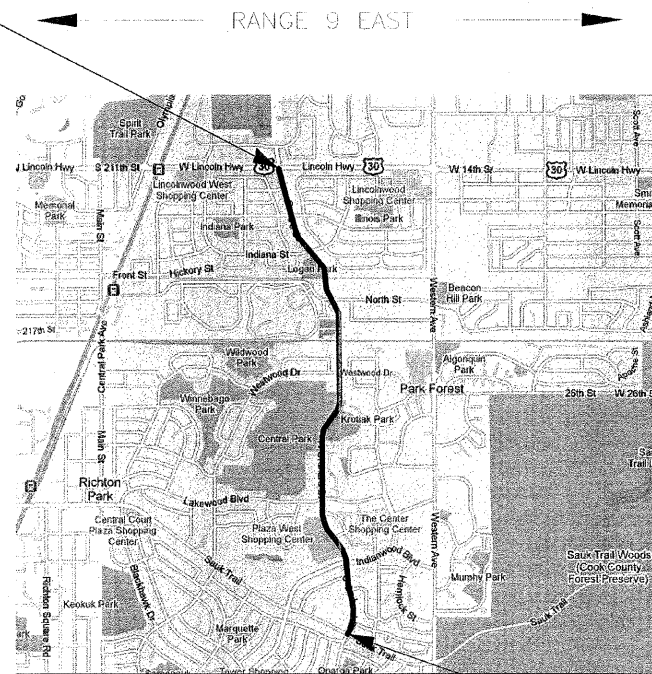
F.A.U. RTE. 2836	SECTION 06-00090-00-FP	COUNTY COOK	TOTAL SHEETS 200	SHEET NO. 82
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	CONTRACT NO. 63635
M-8003661				

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 RIGHT OF WAY PLANS
 FOR PROPOSED
 FEDERAL AID HIGHWAY

ROUTE: FAU 2836 (ORCHARD DRIVE)
 SECTIONS: 06-00090-00-FP
 PROJECT NO.: M-8003(661)
 JOB NO.: C-91-430-06
 COUNTY: COOK
 LIMITS: FAU 1632 (SAUK TRAIL) to
 FAP 353 (U.S. ROUTE 30)



FAU 2836
 ORCHARD DRIVE
 END IMPROVEMENTS
 STA 217+38



FAU 2836
 ORCHARD DRIVE
 BEGIN IMPROVEMENTS
 STA 100+66

GROSS LENGTH = 11,672 Lin. Ft. = 2.211 Miles
 NET LENGTH = 11,672 Lin. Ft. = 2.211 Miles



Baxter & Woodman
 8678 RIDGEFIELD ROAD • CRYSTAL LAKE, IL 60012
 PHONE: 815-459-1200 • FAX: 815-455-0450

APPROVED _____, 20____

 LOCAL AGENCY OFFICIAL

APPROVED _____, 20____

 ENGINEER OF LAND ACQUISITION

APPROVED _____, 20____

 ENGINEER OF LOCAL ROADS & STREETS

APPROVED _____, 20____

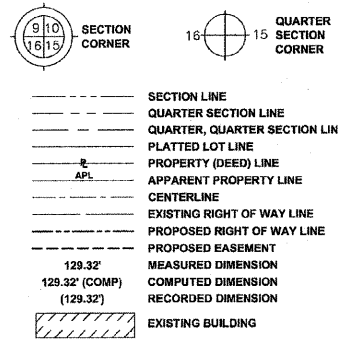
 DISTRICT ENGINEER

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
 PROJECT: STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
 CONTRACT NO. C-91-430-06
 SHEET NO. 83 OF 200
 DATE: 10/20/01
 DRAWN BY: BAXTER & WOODMAN
 CHECKED BY: BAXTER & WOODMAN
 SCALE: AS SHOWN
 COUNTY: COOK
 PROJECT NO.: M-8003(661)
 JOB NO.: C-91-430-06
 ROUTE: FAU 2836 (ORCHARD DRIVE)
 SECTIONS: 06-00090-00-FP
 LIMITS: FAU 1632 (SAUK TRAIL) TO FAP 353 (U.S. ROUTE 30)

PART OF SECTIONS 25 & 36, TOWNSHIP 35 NORTH, RANGE 13 EAST OF THIRD PRINCIPAL MERIDIAN, IN COOK COUNTY, ILLINOIS

LEGEND

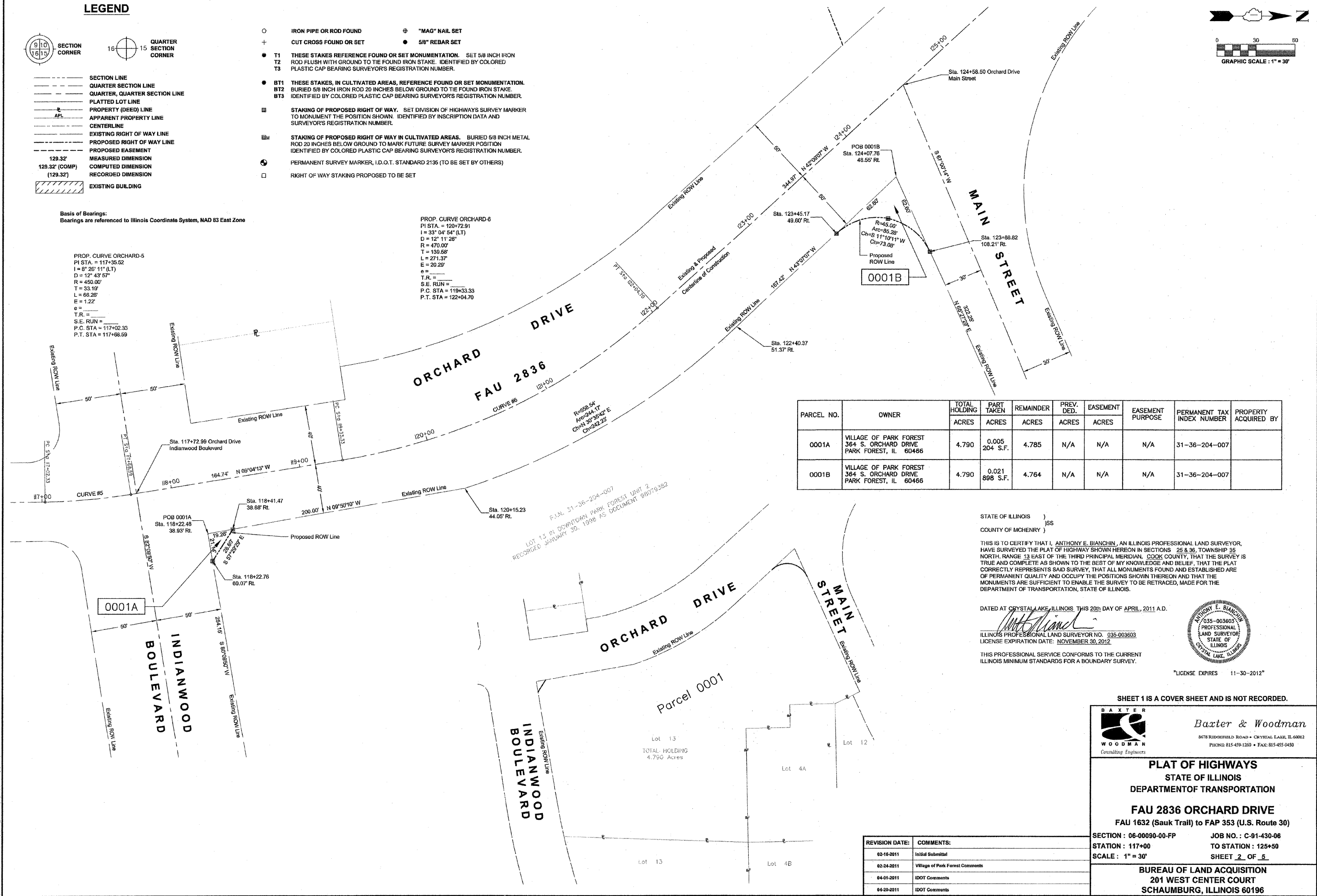


- IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- + CUT CROSS FOUND OR SET
- 5/8" REBAR SET
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYOR'S REGISTRATION NUMBER.
- BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. 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.
- m STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING 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

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

PROP. CURVE ORCHARD-5
PI STA. = 117+35.52
I = 8° 26' 11" (L.T.)
D = 12° 43' 57"
R = 450.00'
T = 33.19'
L = 66.26'
E = 1.22'
T.R. =
S.E. RUN =
P.C. STA = 117+02.33
P.T. STA = 117+68.59

PROP. CURVE ORCHARD-6
PI STA. = 120+72.91
I = 33° 04' 54" (L.T.)
D = 12° 11' 28"
R = 470.00'
T = 139.58'
L = 271.37'
E = 20.25'
T.R. =
S.E. RUN =
P.C. STA = 119+33.33
P.T. STA = 122+04.70



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
0001A	VILLAGE OF PARK FOREST 364 S. ORCHARD DRIVE PARK FOREST, IL 60466	4.790	0.005 204 S.F.	4.785	N/A	N/A	N/A	31-36-204-007	
0001B	VILLAGE OF PARK FOREST 364 S. ORCHARD DRIVE PARK FOREST, IL 60466	4.790	0.021 898 S.F.	4.764	N/A	N/A	N/A	31-36-204-007	

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 SECTIONS 25 & 36, TOWNSHIP 35 NORTH, RANGE 13 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 20th DAY OF APRIL, 2011 A.D.
Anthony E. Bianchini
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

SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

BAXTER & WOODMAN
Consulting Engineers
8678 RIDGEFIELD ROAD • CRYSTAL LAKE, IL 60012
PHONE: 815-459-1200 • FAX: 815-455-0450

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
FAU 2836 ORCHARD DRIVE
FAU 1632 (Sauk Trail) to FAP 353 (U.S. Route 30)

SECTION: 06-00090-00-FP
STATION: 117+00
SCALE: 1" = 30'

JOB NO.: C-91-430-06
TO STATION: 125+50
SHEET 2 OF 5

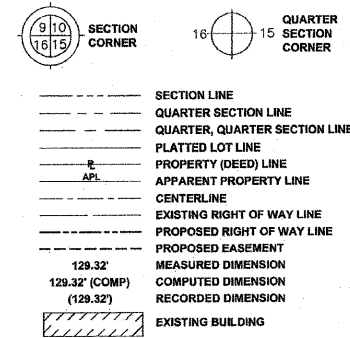
BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

REVISION DATE:	COMMENTS:
02-16-2011	Initial Submittal
02-24-2011	Village of Park Forest Comments
04-01-2011	IDOT Comments
04-20-2011	IDOT Comments

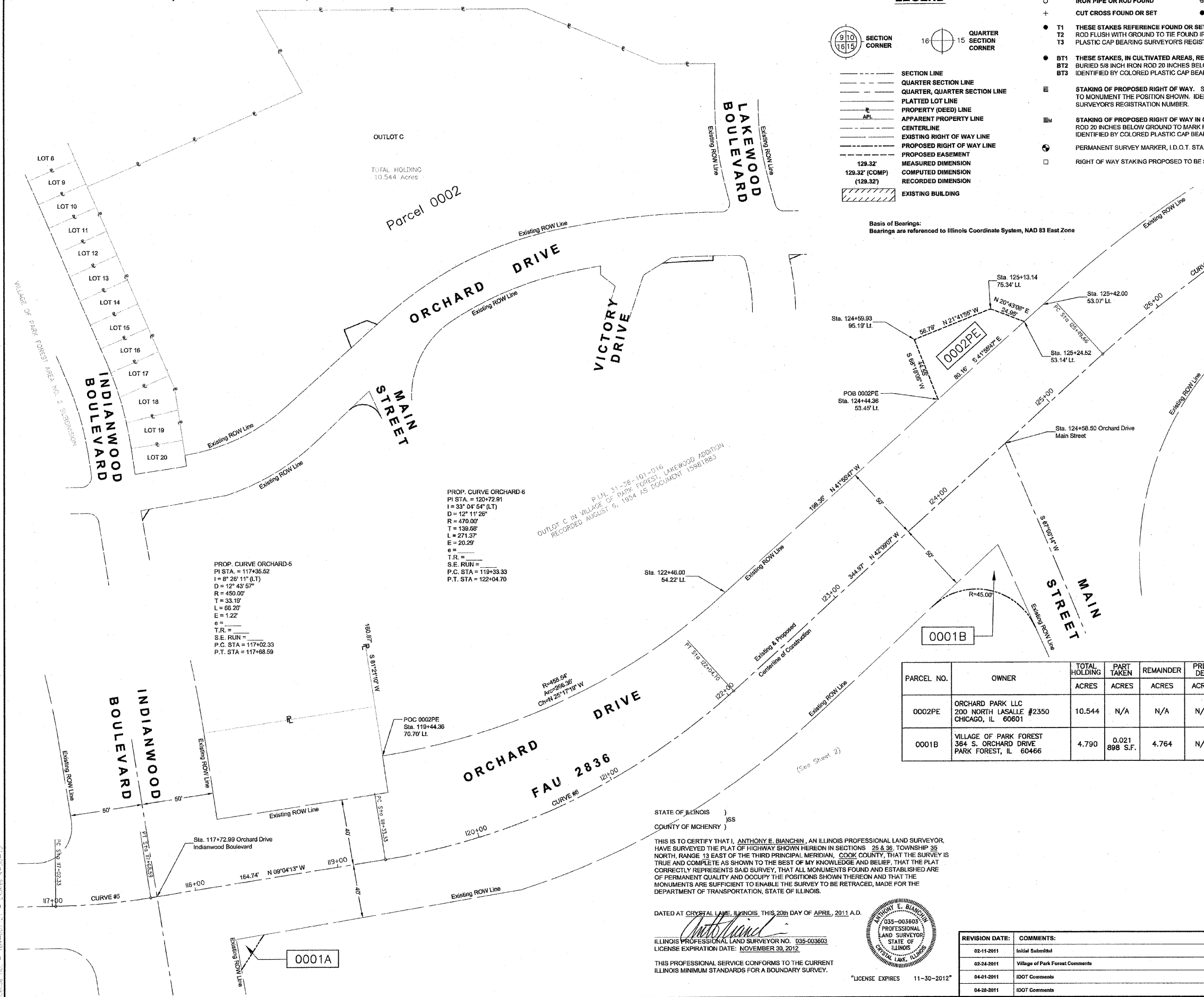
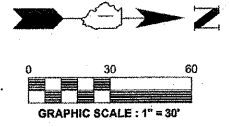
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PART OF SECTIONS 25 & 36, TOWNSHIP 35 NORTH, RANGE 13 EAST OF THIRD PRINCIPAL MERIDIAN, IN COOK COUNTY, ILLINOIS

LEGEND



- 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.
- BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYOR'S REGISTRATION NUMBER.
- BT2 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.
- 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.
- 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
- ⊙ "MAG" NAIL SET
- 5/8" REBAR SET



PROP. CURVE ORCHARD-7
 PI STA = 127+37.78
 I = 23° 09' 41" (RT)
 D = 7° 38' 22"
 R = 750.00'
 T = 188.12'
 L = 368.63'
 E = 23.23'
 e =
 T.R. =
 S.E. RUN =
 P.C. STA = 125+49.66
 P.T. STA = 129+18.30

PROP. CURVE ORCHARD-6
 PI STA = 120+72.91
 I = 33° 04' 54" (LT)
 D = 12° 11' 26"
 R = 470.00'
 T = 139.58'
 L = 271.37'
 E = 20.29'
 e =
 T.R. =
 S.E. RUN =
 P.C. STA = 119+33.33
 P.T. STA = 122+04.70

PROP. CURVE ORCHARD-5
 PI STA = 117+35.52
 I = 8° 28' 11" (LT)
 D = 12° 43' 57"
 R = 450.00'
 T = 33.19'
 L = 66.26'
 E = 1.22'
 e =
 T.R. =
 S.E. RUN =
 P.C. STA = 117+02.33
 P.T. STA = 117+68.59

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
0002PE	ORCHARD PARK LLC 200 NORTH LASALLE #2350 CHICAGO, IL 60601	10.544	N/A	N/A	N/A	0.049 2,153 S.F.	UTILITY & TRAFFIC SIGNAL	31-36-101-016	
0001B	VILLAGE OF PARK FOREST 364 S. ORCHARD DRIVE PARK FOREST, IL 60466	4.790	0.021 898 S.F.	4.764	N/A	N/A	N/A	31-36-204-007	

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 SECTIONS 25 & 36, TOWNSHIP 35 NORTH, RANGE 13 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 20th DAY OF APRIL, 2011 A.D.

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

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

"LICENSE EXPIRES 11-30-2012"

REVISION DATE:	COMMENTS:
02-11-2011	Initial Submittal
02-24-2011	Village of Park Forest Comments
04-01-2011	IDOT Comments
04-28-2011	IDOT Comments

SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

BAKTER
WOODMAN
 Consulting Engineers

Baxter & Woodman
 8078 RIDGEFIELD ROAD • CRYSTAL LAKE, IL 60012
 PHONE: 815-459-1200 • FAX: 815-455-0450

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

FAU 2836 ORCHARD DRIVE
 FAU 1632 (Sauk Trail) to FAP 353 (U.S. Route 30)

SECTION : 06-00090-00-PP JOB NO. : C-91-430-06
 STATION : 117+00 TO STATION : 126+50
 SCALE : 1" = 30' SHEET 3 OF 5

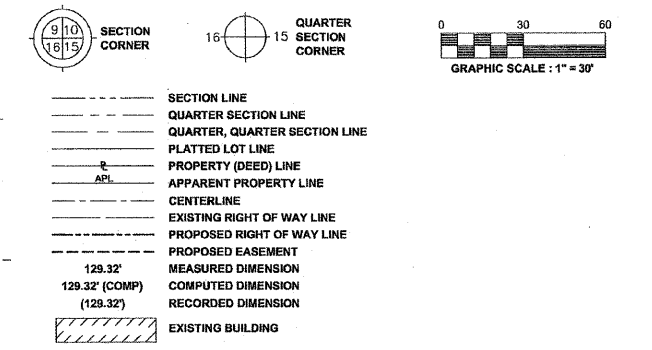
BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAMBURG, ILLINOIS 60196

\COOPER\BAYWOOD\COOK\PROJECTS\COPY\STATE LAKE\PROJECTS\COPY\STATE LAKE\PLATS\TOWNSHIP 35 NORTH\T35R13E\SECTION 25 & 36\PLAT OF HIGHWAY 3
 Dated: 3/25/2011 @ 5:00 AM By: SBA/EB
 Copyright © 2011, By: Baxter & Woodman, Inc.
 State of Illinois - Professional Design Firm
 License No. 18-000121 - Expires 4-30-13

PART OF SECTIONS 25 & 36, TOWNSHIP 35 NORTH, RANGE 13 EAST OF THIRD PRINCIPAL MERIDIAN, IN COOK COUNTY, ILLINOIS

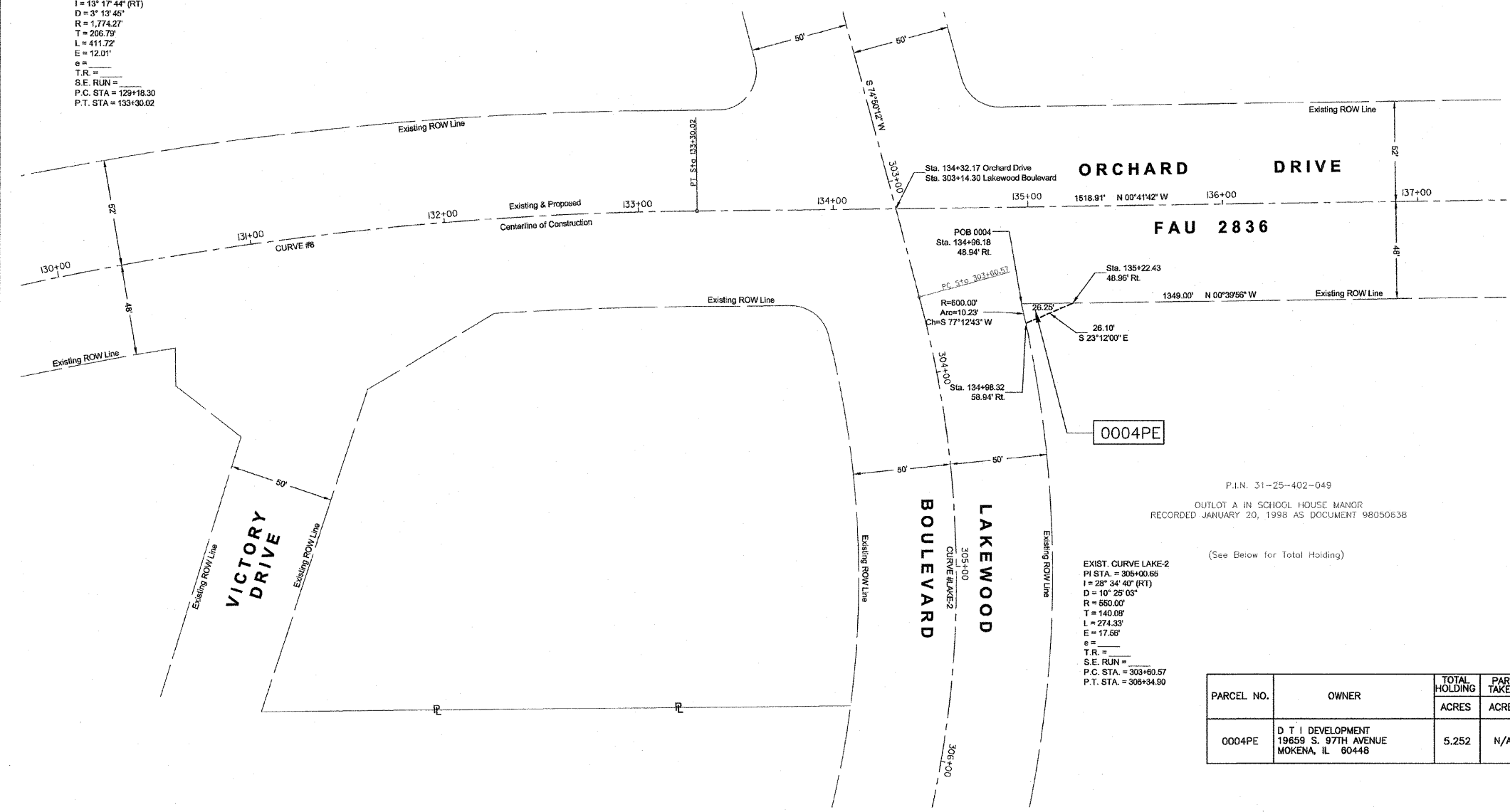
PROP. CURVE ORCHARD-8
 PI STA. = 131+25.06
 I = 13° 17' 44" (RT)
 D = 3° 13' 45"
 R = 1,774.27'
 T = 206.79'
 L = 411.72'
 E = 12.01'
 e = _____
 T.R. = _____
 S.E. RUN = _____
 P.C. STA. = 129+18.30
 P.T. STA. = 133+30.02

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.
- 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



P.I.N. 31-25-402-049
 OUTLOT A IN SCHOOL HOUSE MANOR
 RECORDED JANUARY 20, 1998 AS DOCUMENT 98050638

EXIST. CURVE LAKE-2
 PI STA. = 305+00.65
 I = 28° 34' 40" (RT)
 D = 10° 25' 03"
 R = 650.00'
 T = 140.00'
 L = 274.33'
 E = 17.66'
 e = _____
 T.R. = _____
 S.E. RUN = _____
 P.C. STA. = 303+60.57
 P.T. STA. = 308+34.50

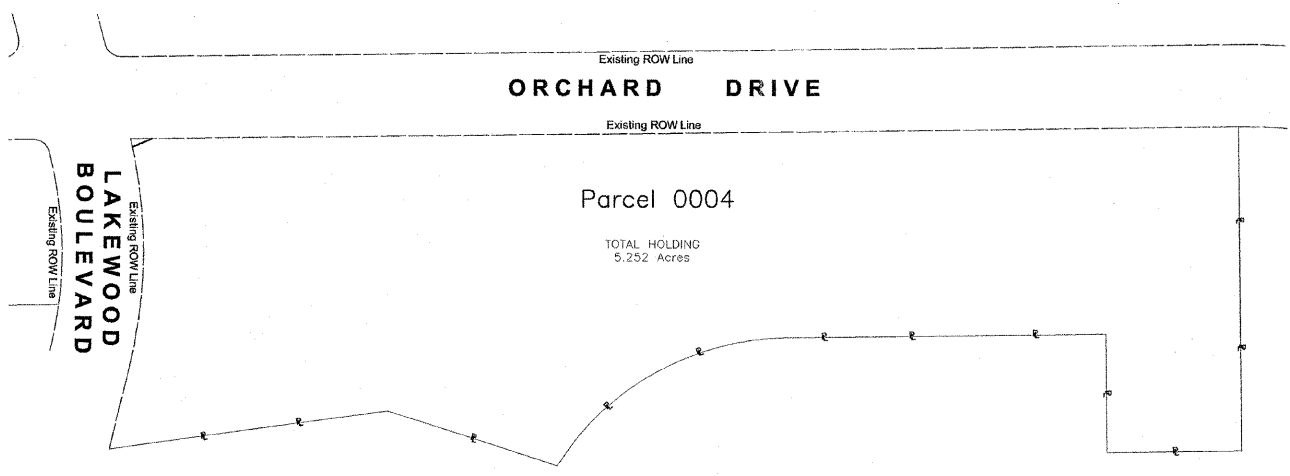
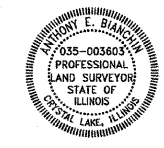
PARCEL NO.	OWNER	TOTAL HOLDING	PART TAKEN	REMAINDER	PREV. DED.	EASEMENT	EASEMENT PURPOSE	PERMANENT TAX INDEX NUMBER	PROPERTY ACQUIRED BY
		ACRES	ACRES	ACRES	ACRES	ACRES			
0004PE	D T I DEVELOPMENT 19659 S. 97TH AVENUE MOKENA, IL 60448	5.252	N/A	N/A	N/A	0.003 130 S.F.	TRAFFIC SIGNAL & SIDEWALK	31-25-402-049	

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 SECTIONS 25 & 36, TOWNSHIP 35 NORTH, RANGE 13 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 1st DAY OF AUGUST, 2011 A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003803
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2012

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



SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

Baxter & Woodman
 Consulting Engineers
 8678 RIDGEBELD ROAD • CRYSTAL LAKE, IL 60012
 PHONE: 815-459-1200 • FAX: 815-455-0430

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

FAU 2836 ORCHARD DRIVE
 FAU 1632 (Sauk Trail) to FAP 353 (U.S. Route 30)

SECTION : 06-00090-00-PP JOB NO. : C-91-430-06
 STATION : 130+00 TO STATION : 137+00
 SCALE : 1" = 30' SHEET 4 OF 5

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

TOTAL SHEET NO. 200
 SHEETS 86

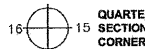
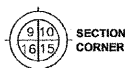
REVISION DATE:	COMMENTS:
02-11-2011	Initial Submittal
02-24-2011	Village of Park Forest Comments
04-01-2011	IDOT Comments
04-20-2011	IDOT Comments
07-14-2011	Revised Parcel 0004 to Permanent Easement, Eliminate Parcel 0003PE

\\CORE\BLWOOD\COM\PROJECTS\CRYSTAL LAKE\PRFET\060670\CADD-SURVEY\DRAWINGS\DWG\PLATS\060670--ROW.DWG Plot of Highway 4
 Plotted: 3/25/2011 @ 9:02 AM By: 554LES
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 License No. - 184-001121 - Expires 4-30-13

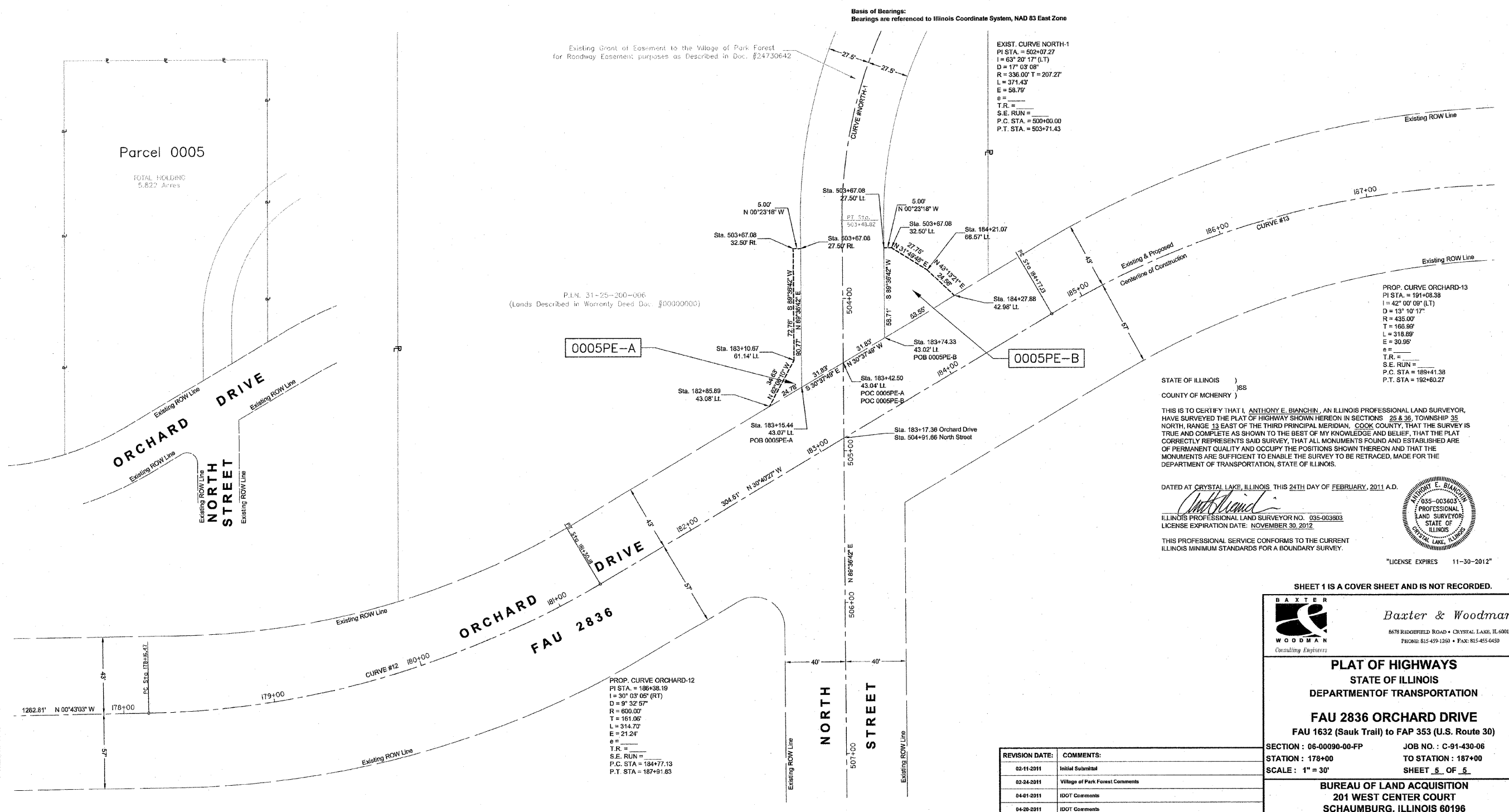
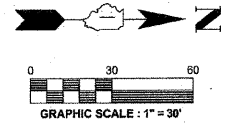
PART OF SECTIONS 25 & 36, TOWNSHIP 35 NORTH, RANGE 13 EAST OF THIRD PRINCIPAL MERIDIAN, IN COOK COUNTY, ILLINOIS

LEGEND

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
0005PE-A	ILLINOIS BUILDING AUTHORITY 719 STRATTON OFF BUILDING SPRINGFIELD, IL 62706	5.822	N/A	N/A	N/A	0.015 633 S.F.	ROADWAY, UTILITY & TRAFFIC SIGNAL	31-25-200-006	
0005PE-B	ILLINOIS BUILDING AUTHORITY 719 STRATTON OFF BUILDING SPRINGFIELD, IL 62706	5.822	N/A	N/A	N/A	0.035 1,505 S.F.	ROADWAY, UTILITY & TRAFFIC SIGNAL	31-25-200-006	



- 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.
- ⊞ 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



I, CORP. BAXTER WOODMAN, INC., REGISTERED PROFESSIONAL ENGINEERS, SURVEYORS, AND ARCHITECTS, 1675 W. 111TH STREET, SUITE 100, CHICAGO, ILLINOIS 60648, IS THE ENGINEER OF RECORD FOR THIS SURVEY. THE SURVEY WAS PERFORMED BY BAXTER & WOODMAN, INC., 1675 W. 111TH STREET, SUITE 100, CHICAGO, ILLINOIS 60648. THE SURVEY WAS COMPLETED ON FEBRUARY 24, 2011. THE SURVEY WAS PERFORMED IN ACCORDANCE WITH THE ILLINOIS SURVEYING ACT AND THE ILLINOIS PROFESSIONAL LAND SURVEYOR REGULATION. THE SURVEY WAS PERFORMED IN ACCORDANCE WITH THE ILLINOIS SURVEYING ACT AND THE ILLINOIS PROFESSIONAL LAND SURVEYOR REGULATION. THE SURVEY WAS PERFORMED IN ACCORDANCE WITH THE ILLINOIS SURVEYING ACT AND THE ILLINOIS PROFESSIONAL LAND SURVEYOR REGULATION.

REVISION DATE:	COMMENTS:
02-11-2011	Initial Submittal
02-24-2011	Village of Park Forest Comments
04-01-2011	IDOT Comments
04-26-2011	IDOT Comments

SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

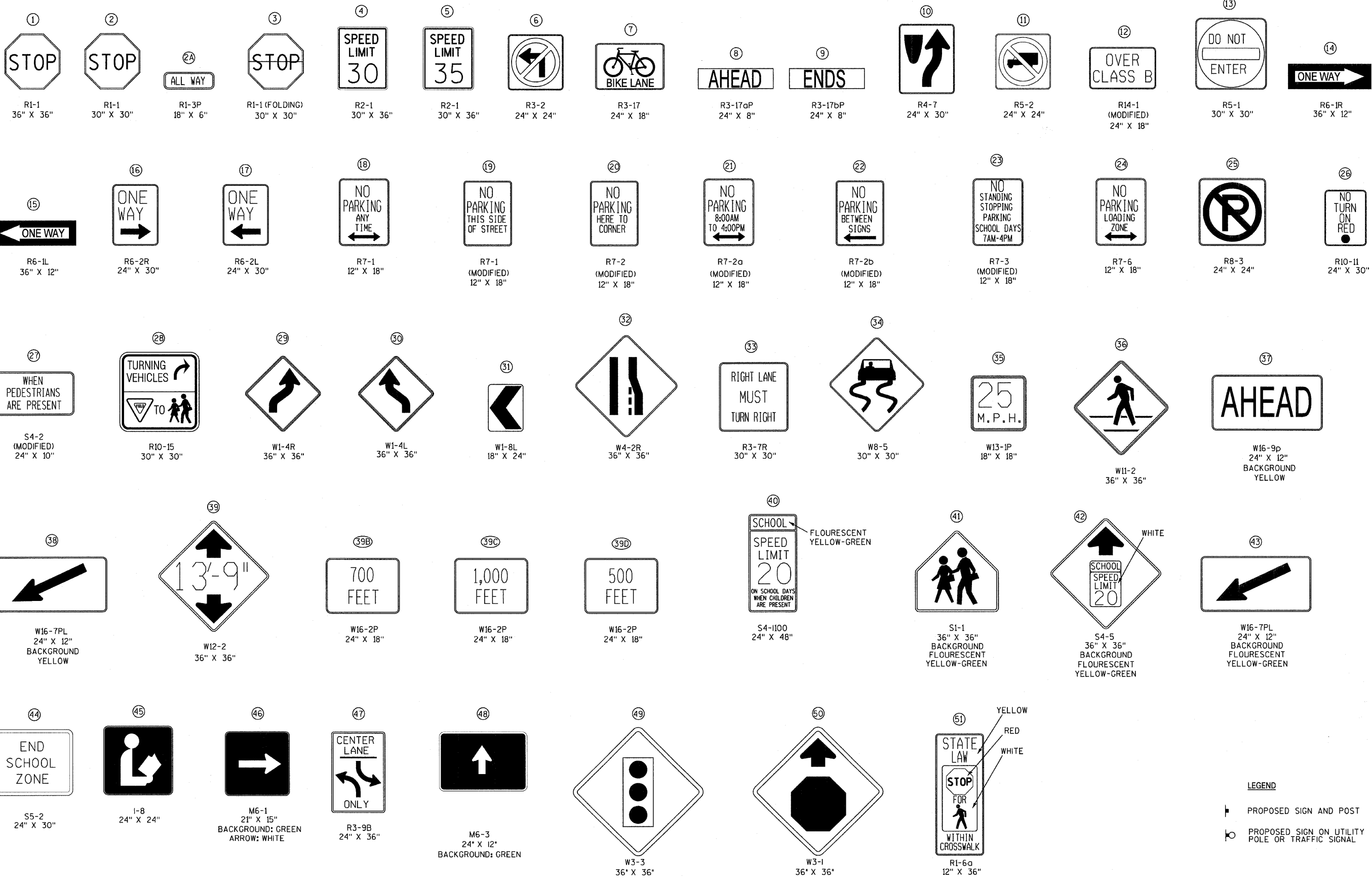
BAXTER & WOODMAN
6678 RIDGEFIELD ROAD • CRYSTAL LAKE, IL 60012
PHONE: 815-459-1260 • FAX: 815-455-6450
Consulting Engineers

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAU 2836 ORCHARD DRIVE
FAU 1632 (Sauk Trail) to FAP 353 (U.S. Route 30)

SECTION : 06-00090-00-FP JOB NO. : C-91-430-06
STATION : 178+00 TO STATION : 187+00
SCALE : 1" = 30' SHEET 5 OF 5

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



LEGEND

➡ PROPOSED SIGN AND POST

⊙ PROPOSED SIGN ON UTILITY POLE OR TRAFFIC SIGNAL

DRAWN BY: BAXTER & WOODMAN, INC. PROJECT: VOR2234-011
 STATE OF ILLINOIS PROFESSIONAL ENGINEERING FIRM
 LICENSE NO.: 84-000271 - EXPIRES 4/30/2013
 14500 PULASKI AVE. SUITE 1000, CHICAGO, IL 60641
 TEL: 312.963.1000 FAX: 312.963.1001



DESIGNED - GJB	REVISED -
DRAWN - MAC	REVISED -
CHECKED - TAO	REVISED -
DATE - 10/24/11	FILE - 060670-PH2-SIGN-LEGEND.sht

**STATE OF ILLINOIS
ORCHARD DRIVE IMPROVEMENTS**

SIGN LEGEND

SCALE: STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2836	06-00090-00-FP	COOK	200	88
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63635	
			M-800366U	

51
Orchard Dr
D3-1
12" X 48"

52
Apple Lane
D3-1
12" X 48"

53
Cherry St
D3-1
12" X 48"

54
Peach St
D3-1
12" X 48"

55
Indianwood Blvd
D3-1
12" X 54"

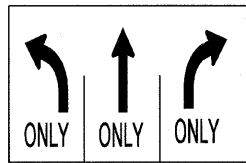
56
Cunningham Lane
D3-1
12" X 54"

57
Westwood Blvd
D3-1
12" X 48"

58
Illinois St
D3-1
12" X 48"

59
Seward Ave
D3-1
12" X 48"

60
Victory Dr
D3-1
12" X 48"

61

R3-8b
48" X 30"

NOTE

FOR THE STREET NAME SIGNS;
BACKGROUND: GREEN, TEXT: WHITE CLEARVIEW 3W FONT, 6" UPPER-CASE, 4" LOWER-CASE
BORDER: 1/2" WHITE

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 LICENSE NO. 184-0012 - EXPIRES 4/30/2015
 10/23/2011 10:32 PM
 I:\C:\p\fol\low\prk\1060670\CAAD-SURVEY\UPHAWINGS\DOWN\060670-PH2-SIGN-LEGEND.dft



DESIGNED - GJB	REVISED -
DRAWN - MAC	REVISED -
CHECKED - TAO	REVISED -
DATE - 10/24/11	FILE - 060670-PH2-SIGN-LEGEND.shp

**STATE OF ILLINOIS
ORCHARD DRIVE IMPROVEMENTS**

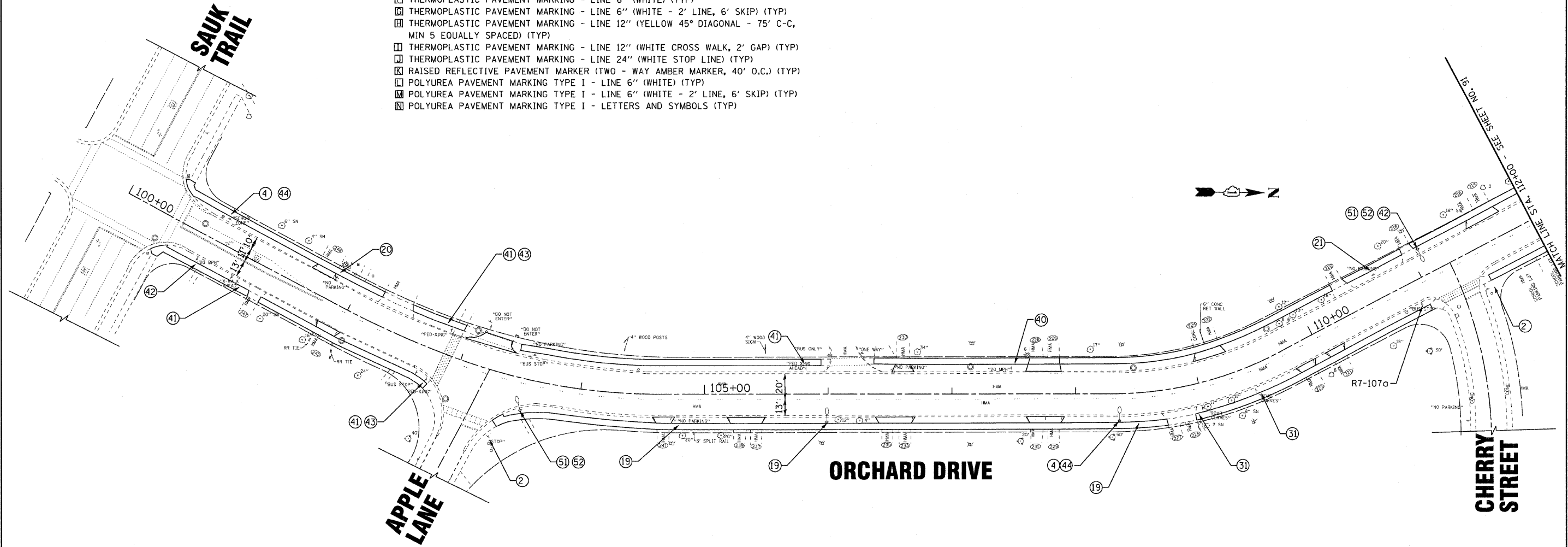
SIGN LEGEND

SCALE: STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2836	06-00090-00-FP	COOK	200	89
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63635 M-8003661	

PAVEMENT MARKING LEGEND

- ☐ THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (TYP)
- ☐ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE) (TYP)
- ☐ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE - 10' LINE, 30' SKIP) (TYP)
- ☐ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW - 11" C-C) (TYP)
- ☐ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW - 5.5" C-C, OUTSIDE: SOLID, INSIDE: 10' LINE, 30' SKIP) (TYP)
- ☐ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE) (TYP)
- ☐ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE - 2' LINE, 6' SKIP) (TYP)
- ☐ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW 45° DIAGONAL - 75' C-C, MIN 5 EQUALLY SPACED) (TYP)
- ☐ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE CROSS WALK, 2' GAP) (TYP)
- ☐ THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE STOP LINE) (TYP)
- ☒ RAISED REFLECTIVE PAVEMENT MARKER (TWO - WAY AMBER MARKER, 40' O.C.) (TYP)
- ☐ POLYUREA PAVEMENT MARKING TYPE I - LINE 6" (WHITE) (TYP)
- ☐ POLYUREA PAVEMENT MARKING TYPE I - LINE 6" (WHITE - 2' LINE, 6' SKIP) (TYP)
- ☐ POLYUREA PAVEMENT MARKING TYPE I - LETTERS AND SYMBOLS (TYP)



NOTE:

1. ALL EXISTING SIGNS WITHIN ROW SHALL BE REMOVED UNLESS OTHERWISE INDICATED.
2. SEE SCHEDULE OF QUANTITIES FOR SIGN REMOVAL LOCATIONS.
3. SEE SHEET 88 FOR SIGNING LEGEND.

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DESIGNED - TLH	REVISED -
DRAWN - MAC	REVISED -
CHECKED - TAO	REVISED -
DATE - 10/24/11	FILE - 060670-PH2-PM1.sht

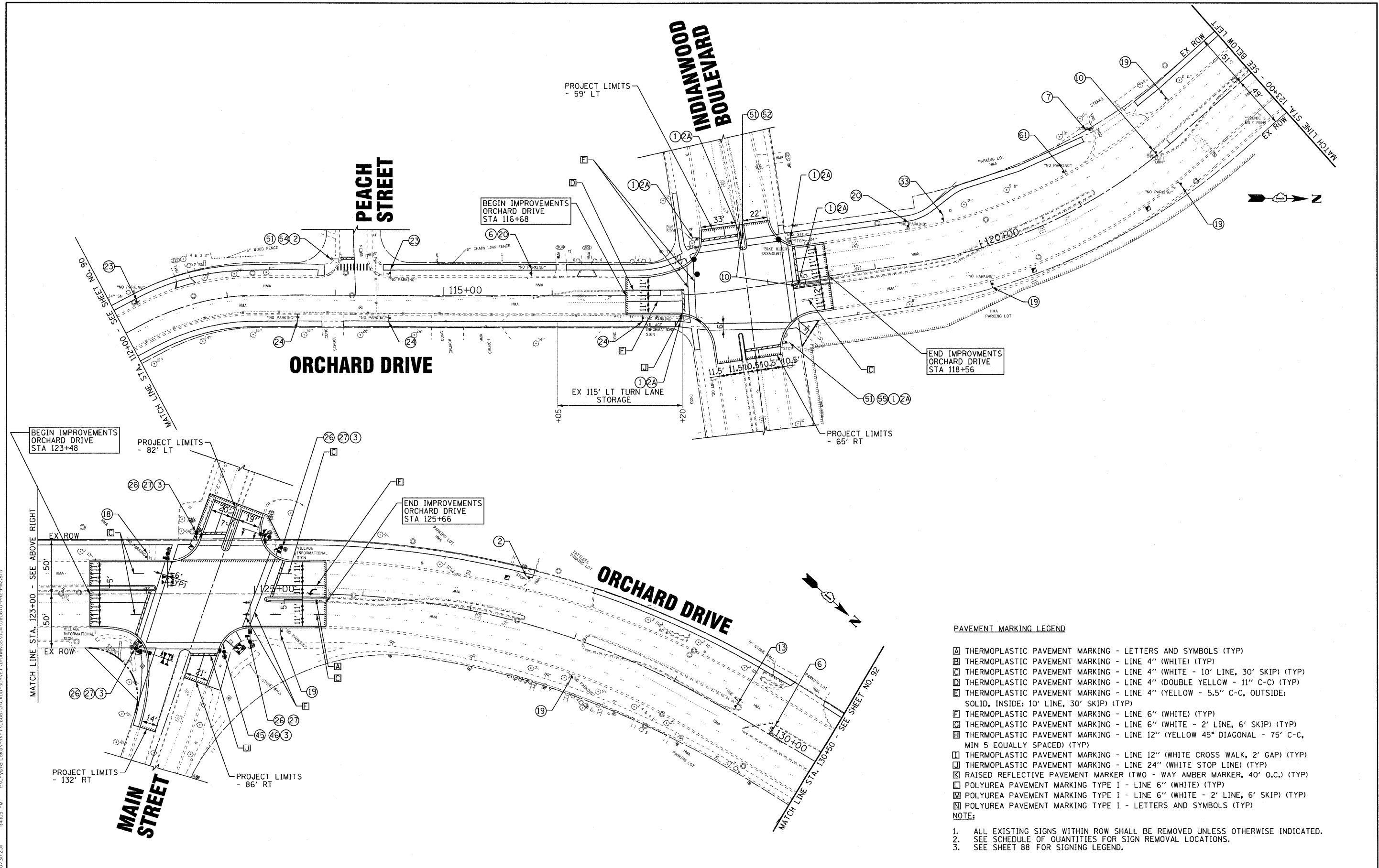
**STATE OF ILLINOIS
ORCHARD DRIVE IMPROVEMENTS**

**PAVEMENT MARKING AND SIGNING PLAN
ORCHARD DRIVE**

SCALE: 1"=40'

STA. 100+00 TO STA. 112+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2836	06-00090-00-FP	COOK	200	90
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 63635	
FED. AID PROJECT			M-80036611	



- PAVEMENT MARKING LEGEND**
- ☐ THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (TYP)
 - ☐ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE) (TYP)
 - ☐ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE - 10' LINE, 30' SKIP) (TYP)
 - ☐ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW - 11" C-C) (TYP)
 - ☐ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW - 5.5" C-C, OUTSIDE; SOLID, INSIDE; 10' LINE, 30' SKIP) (TYP)
 - ☐ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE) (TYP)
 - ☐ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE - 2' LINE, 6' SKIP) (TYP)
 - ☐ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW 45° DIAGONAL - 75' C-C, MIN 5 EQUALLY SPACED) (TYP)
 - ☐ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE CROSS WALK, 2' GAP) (TYP)
 - ☐ THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE STOP LINE) (TYP)
 - ☐ RAISED REFLECTIVE PAVEMENT MARKER (TWO - WAY AMBER MARKER, 40" O.C.) (TYP)
 - ☐ POLYUREA PAVEMENT MARKING TYPE I - LINE 6" (WHITE) (TYP)
 - ☐ POLYUREA PAVEMENT MARKING TYPE I - LINE 6" (WHITE - 2' LINE, 6' SKIP) (TYP)
 - ☐ POLYUREA PAVEMENT MARKING TYPE I - LETTERS AND SYMBOLS (TYP)
- NOTE:**
1. ALL EXISTING SIGNS WITHIN ROW SHALL BE REMOVED UNLESS OTHERWISE INDICATED.
 2. SEE SCHEDULE OF QUANTITIES FOR SIGN REMOVAL LOCATIONS.
 3. SEE SHEET 88 FOR SIGNING LEGEND.

DESIGNED BY: BAXTER & WOODMAN, INC.
 STATE OF ILLINOIS PROFESSIONAL ENGINEERING LICENSE NO. 184-001871, EXPIRES 7/30/2013
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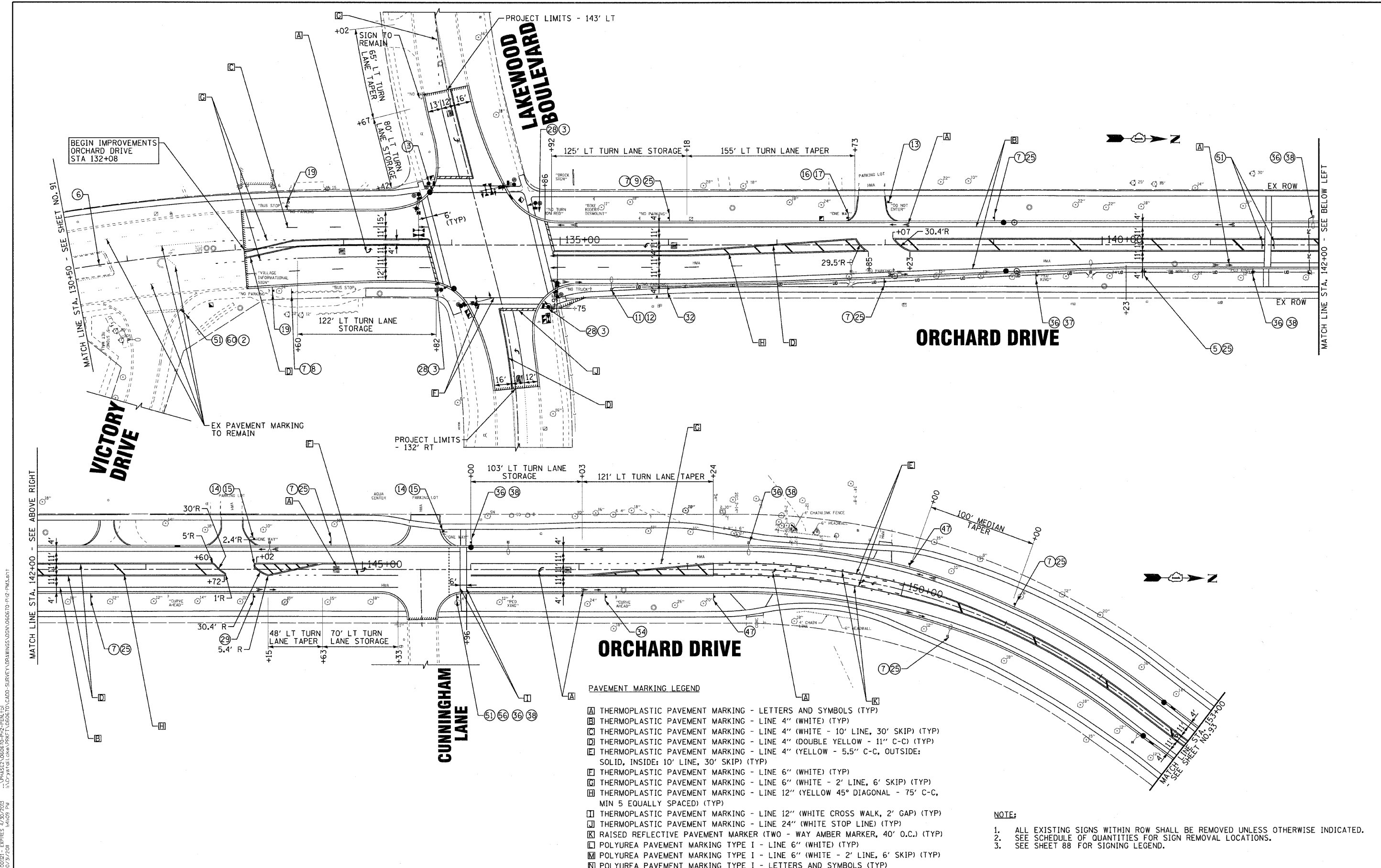
DESIGNED - TLH	REVISED -
DRAWN - MAC	REVISED -
CHECKED - TAO	REVISED -
DATE - 10/24/11	FILE - 060670-PH2-PM2.sht

**STATE OF ILLINOIS
ORCHARD DRIVE IMPROVEMENTS**

**PAVEMENT MARKING AND SIGNING PLAN
ORCHARD DRIVE**

SCALE: 1"=40' STA. 112+00 TO STA. 130+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2836	06-00090-00-FP	COOK	200	91
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63635	
			M-80031661	



PAVEMENT MARKING LEGEND

- ☐ THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (TYP)
- ▢ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE) (TYP)
- ▣ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE - 10' LINE, 30' SKIP) (TYP)
- ▤ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW - 11" C-C) (TYP)
- ▥ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW - 5.5" C-C, OUTSIDE: SOLID, INSIDE: 10' LINE, 30' SKIP) (TYP)
- ▦ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE) (TYP)
- ▧ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE - 2' LINE, 6' SKIP) (TYP)
- ▨ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW 45° DIAGONAL - 75" C-C, MIN 5 EQUALLY SPACED) (TYP)
- ▩ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE CROSS WALK, 2' GAP) (TYP)
- THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE STOP LINE) (TYP)
- RAISED REFLECTIVE PAVEMENT MARKER (TWO - WAY AMBER MARKER, 40' O.C.) (TYP)
- ▬ POLYUREA PAVEMENT MARKING TYPE I - LINE 6" (WHITE) (TYP)
- ▭ POLYUREA PAVEMENT MARKING TYPE I - LINE 6" (WHITE - 2' LINE, 6' SKIP) (TYP)
- ▮ POLYUREA PAVEMENT MARKING TYPE I - LETTERS AND SYMBOLS (TYP)

NOTE:

1. ALL EXISTING SIGNS WITHIN ROW SHALL BE REMOVED UNLESS OTHERWISE INDICATED.
2. SEE SCHEDULE OF QUANTITIES FOR SIGN REMOVAL LOCATIONS.
3. SEE SHEET 88 FOR SIGNING LEGEND.

DRAWN BY: BAXTER & WOODMAN, INC. PROJECT NO. 060670-PH2-PM3-01
 CHECKED BY: TAO DATE: 10/24/11
 LICENSE NO. 84-000217 EXPIRES 4/30/2013
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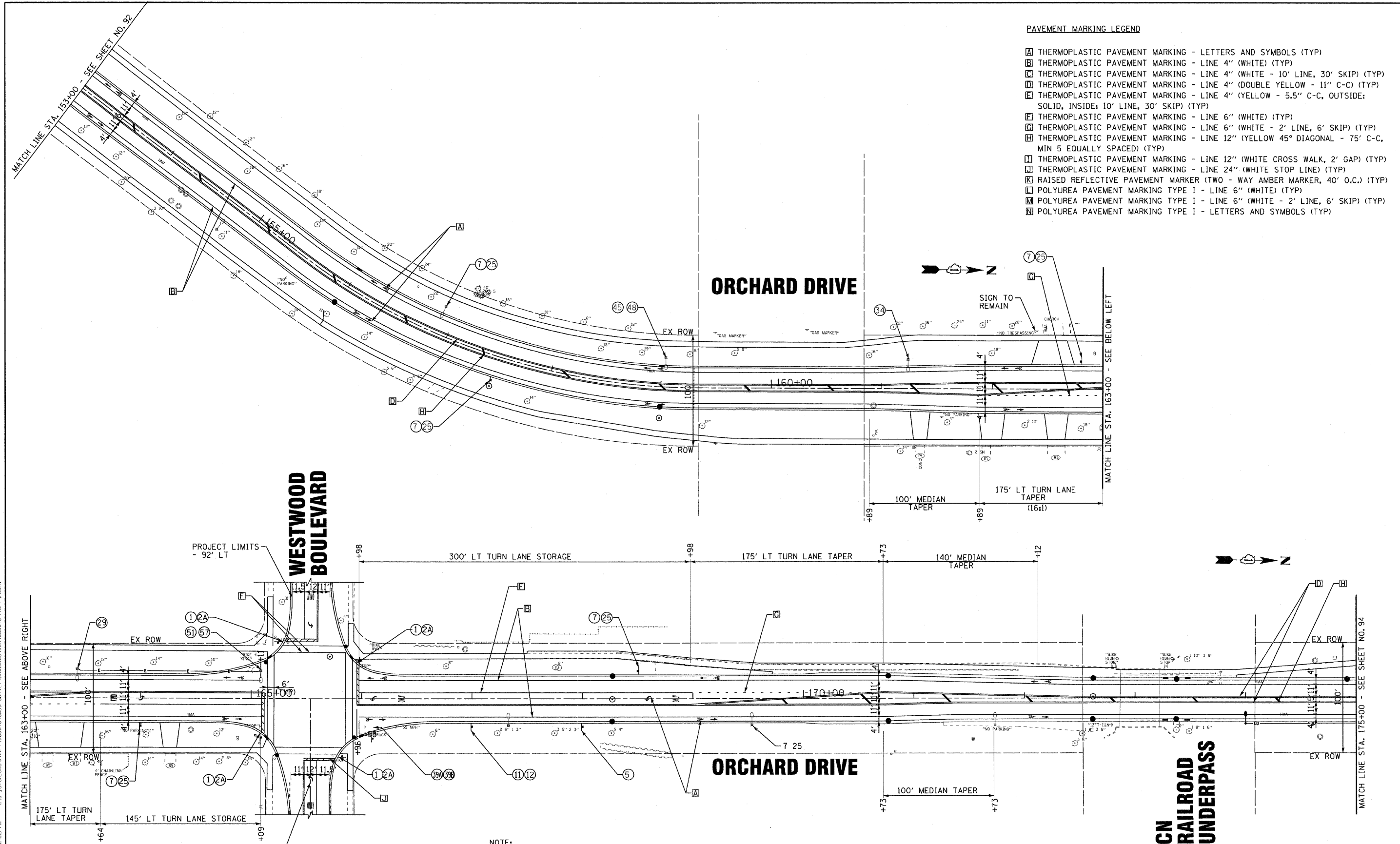
DESIGNED - TLH	REVISED -
DRAWN - MAC	REVISED -
CHECKED - TAO	REVISED -
DATE - 10/24/11	FILE - 060670-PH2-PM3.sht

**STATE OF ILLINOIS
ORCHARD DRIVE IMPROVEMENTS**

**PAVEMENT MARKING AND SIGNING PLAN
ORCHARD DRIVE**

SCALE: 1"=40' STA. 130+00 TO STA. 153+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2836	06-00090-00-FP	COOK	200	92
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63635 W-8003(661)	



PAVEMENT MARKING LEGEND

- [A] THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (TYP)
- [B] THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE) (TYP)
- [C] THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE - 10' LINE, 30' SKIP) (TYP)
- [D] THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW - 11" C-C) (TYP)
- [E] THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW - 5.5" C-C, OUTSIDE: SOLID, INSIDE: 10' LINE, 30' SKIP) (TYP)
- [F] THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE) (TYP)
- [G] THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE - 2' LINE, 6' SKIP) (TYP)
- [H] THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW 45° DIAGONAL - 75' C-C, MIN 5 EQUALLY SPACED) (TYP)
- [I] THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE CROSS WALK, 2' GAP) (TYP)
- [J] THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE STOP LINE) (TYP)
- [K] RAISED REFLECTIVE PAVEMENT MARKER (TWO - WAY AMBER MARKER, 40' O.C.) (TYP)
- [L] POLYUREA PAVEMENT MARKING TYPE I - LINE 6" (WHITE) (TYP)
- [M] POLYUREA PAVEMENT MARKING TYPE I - LINE 6" (WHITE - 2' LINE, 6' SKIP) (TYP)
- [N] POLYUREA PAVEMENT MARKING TYPE I - LETTERS AND SYMBOLS (TYP)

NOTE:

1. ALL EXISTING SIGNS WITHIN ROW SHALL BE REMOVED UNLESS OTHERWISE INDICATED.
2. SEE SCHEDULE OF QUANTITIES FOR SIGN REMOVAL LOCATIONS.
3. SEE SHEET 88 FOR SIGNING LEGEND.

DESIGNED BY: BAXTER & WOODMAN, INC.
 DRAWN BY: MAC
 CHECKED BY: TAO
 DATE: 10/24/11
 LICENSE NO.: 184-00021 - EXPIRES 4/30/2013
 PROJECT NO.: 060670-PH2-PM4



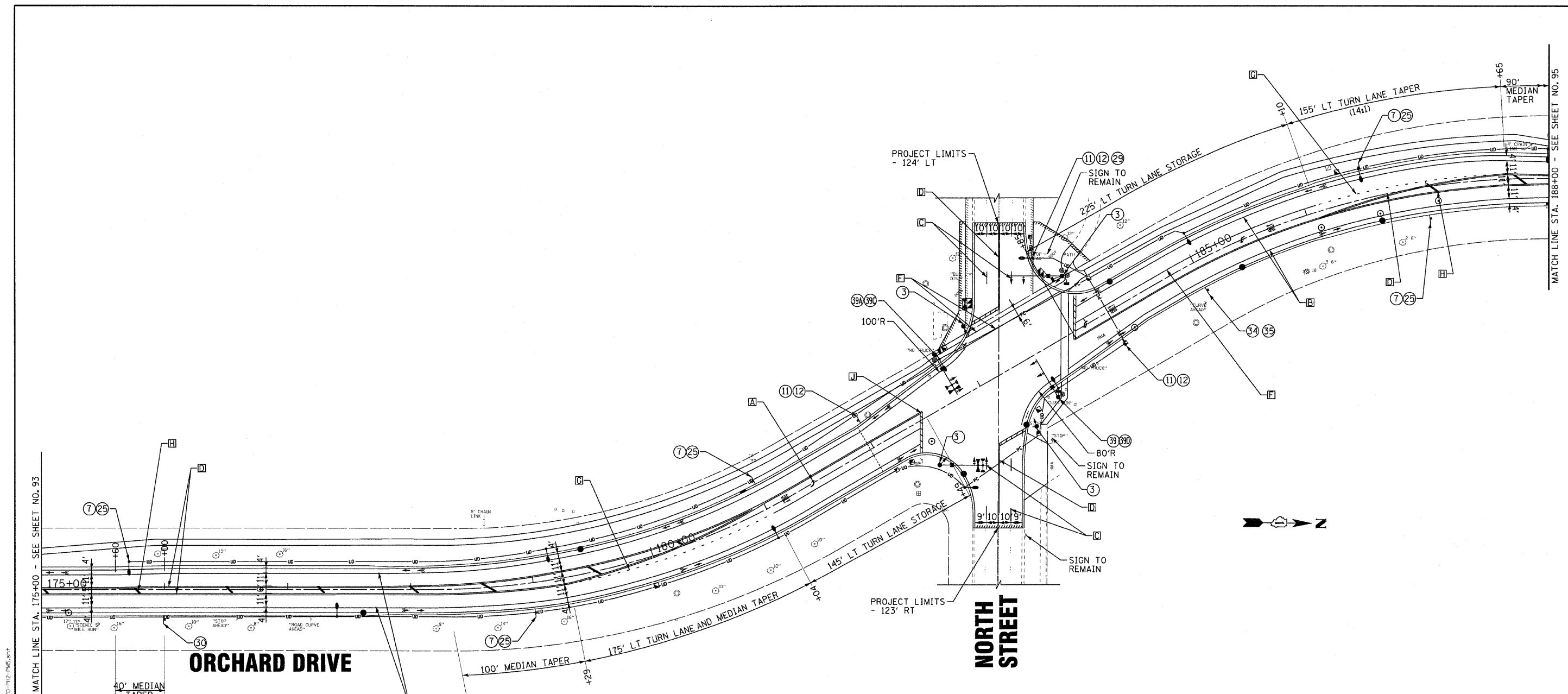
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DRAWN - MAC	REVISED -
CHECKED - TAO	REVISED -
DATE - 10/24/11	FILE - 060670-PH2-PM4.shx

**STATE OF ILLINOIS
ORCHARD DRIVE IMPROVEMENTS**

**PAVEMENT MARKING AND SIGNING PLAN
ORCHARD DRIVE**

SCALE: 1"=40' STA. 153+00 TO STA. 175+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2836	06-00090-00-FP	COOK	200	93
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63635 M-80031661	



DESIGNED BY: BAXTER & WOODMAN, INC. ...
 STATE OF ILLINOIS PROFESSIONAL ENGINEER ...
 LICENSE NO.: 184-00181 - EXPIRES 4/30/2013 ...
 10/27/2011

PAVEMENT MARKING LEGEND

- [A] THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (TYP)
- [B] THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE) (TYP)
- [C] THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE - 10' LINE, 30' SKIP) (TYP)
- [D] THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW - 11" C-C) (TYP)
- [E] THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW - 5.5" C-C, OUTSIDE; SOLID, INSIDE; 10' LINE, 30' SKIP) (TYP)
- [F] THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE) (TYP)
- [G] THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE - 2' LINE, 6' SKIP) (TYP)
- [H] THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW 45° DIAGONAL - 75" C-C, MIN 5 EQUALLY SPACED) (TYP)
- [I] THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE CROSS WALK, 2' GAP) (TYP)
- [J] THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE STOP LINE) (TYP)
- [K] RAISED REFLECTIVE PAVEMENT MARKER (TWO - WAY AMBER MARKER, 40' O.C.) (TYP)
- [L] POLYUREA PAVEMENT MARKING TYPE I - LINE 6" (WHITE) (TYP)
- [M] POLYUREA PAVEMENT MARKING TYPE I - LINE 6" (WHITE - 2' LINE, 6' SKIP) (TYP)
- [N] POLYUREA PAVEMENT MARKING TYPE I - LETTERS AND SYMBOLS (TYP)

NOTE:

1. ALL EXISTING SIGNS WITHIN ROW SHALL BE REMOVED UNLESS OTHERWISE INDICATED.
2. SEE SCHEDULE OF QUANTITIES FOR SIGN REMOVAL LOCATIONS.
3. SEE SHEET 88 FOR SIGNING LEGEND.



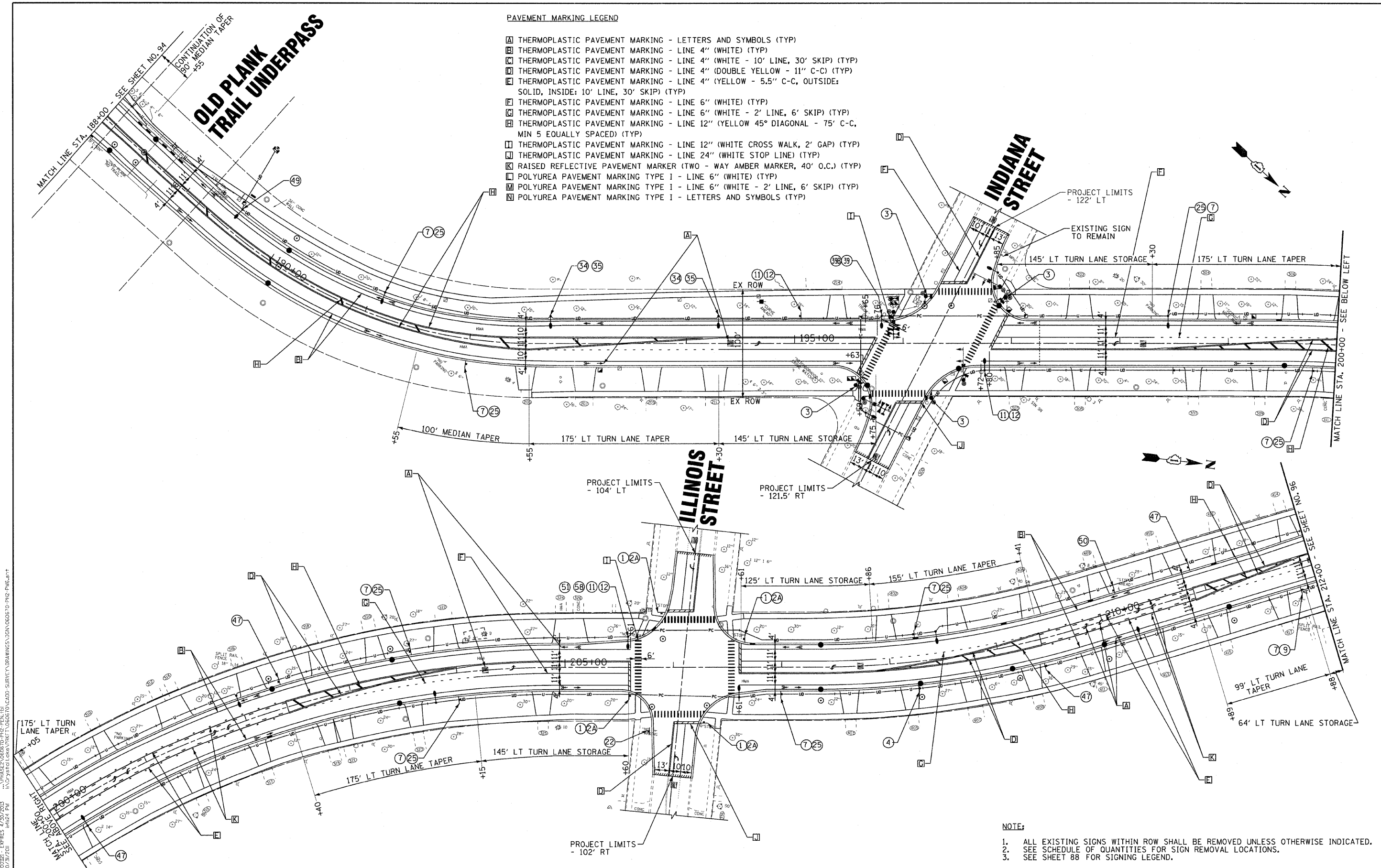
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DRAWN - UKB/MAC	REVISED -
CHECKED - TLH	REVISED -
DATE - 10/24/11	FILE - 060670-PH2-PM5.sht

**STATE OF ILLINOIS
ORCHARD DRIVE IMPROVEMENTS**

**PAVEMENT MARKING AND SIGNING PLAN
ORCHARD DRIVE**

SCALE: 1"=40' STA. 175+00 TO STA. 188+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2836	06-00090-00-FP	COOK	200	94
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63635	
			M-8003661	



- PAVEMENT MARKING LEGEND**
- [A] THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (TYP)
 - [B] THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE) (TYP)
 - [C] THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE - 10' LINE, 30' SKIP) (TYP)
 - [D] THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW - 11" C-C) (TYP)
 - [E] THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW - 5.5" C-C, OUTSIDE: SOLID, INSIDE: 10' LINE, 30' SKIP) (TYP)
 - [F] THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE) (TYP)
 - [G] THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE - 2' LINE, 6' SKIP) (TYP)
 - [H] THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW 45° DIAGONAL - 75' C-C, MIN 5 EQUALLY SPACED) (TYP)
 - [I] THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE CROSS WALK, 2' GAP) (TYP)
 - [J] THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE STOP LINE) (TYP)
 - [K] RAISED REFLECTIVE PAVEMENT MARKER (TWO - WAY AMBER MARKER, 40" O.C.) (TYP)
 - [L] POLYUREA PAVEMENT MARKING TYPE I - LINE 6" (WHITE) (TYP)
 - [M] POLYUREA PAVEMENT MARKING TYPE I - LINE 6" (WHITE - 2' LINE, 6' SKIP) (TYP)
 - [N] POLYUREA PAVEMENT MARKING TYPE I - LETTERS AND SYMBOLS (TYP)

NOTE:

- ALL EXISTING SIGNS WITHIN ROW SHALL BE REMOVED UNLESS OTHERWISE INDICATED.
- SEE SCHEDULE OF QUANTITIES FOR SIGN REMOVAL LOCATIONS.
- SEE SHEET 88 FOR SIGNING LEGEND.

DESIGNED BY: BAXTER & WOODMAN, INC.
 DRAWN BY: MAC
 CHECKED BY: TAO
 DATE: 10/24/11
 LICENSE NO.: 84-00021, EXPIRES 4/30/2013
 INSTRUCTIONS: SURVEY MARKINGS: VON06670-PM6.sht



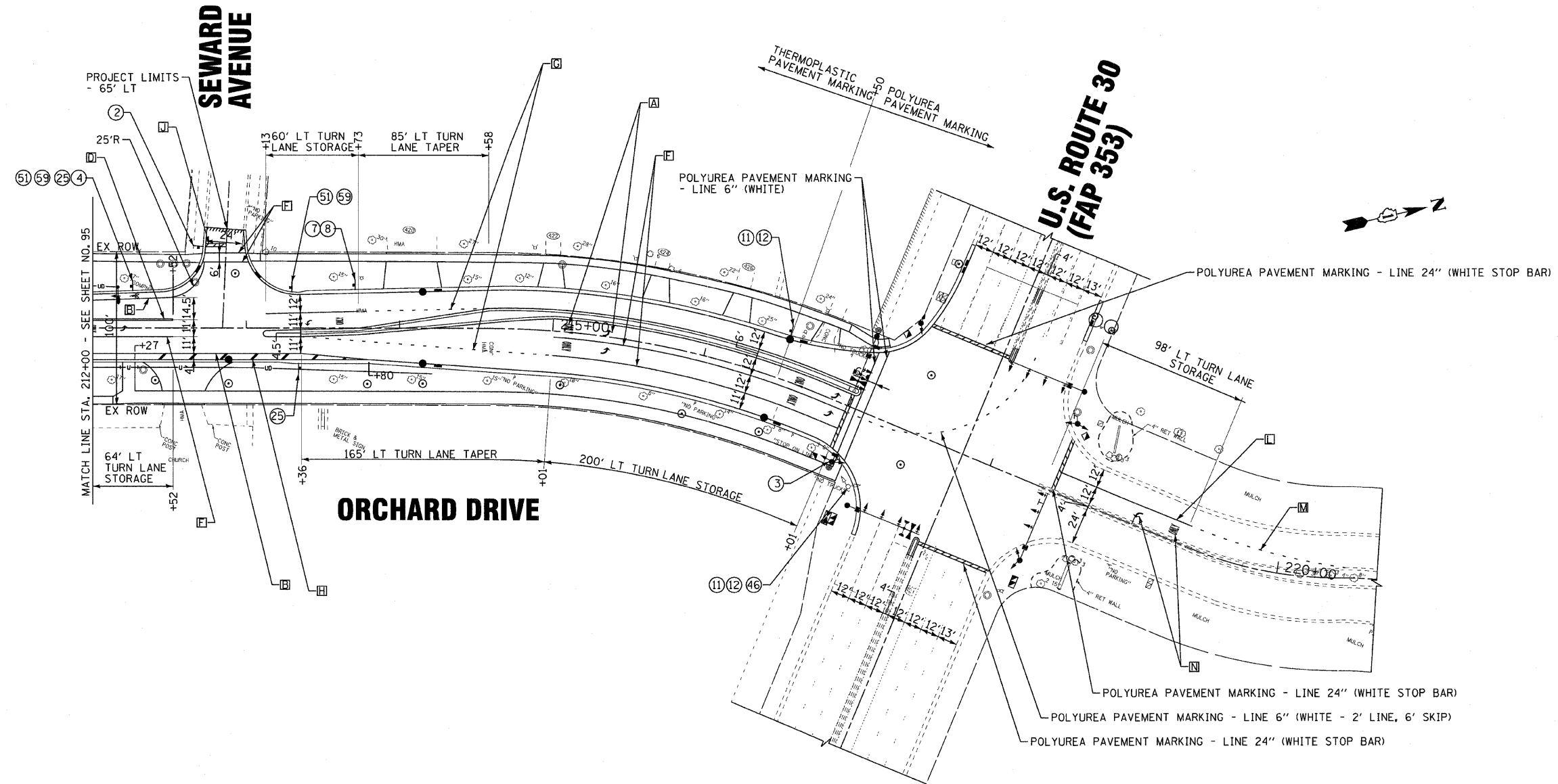
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DRAWN - MAC	REVISED -
CHECKED - TAO	REVISED -
DATE - 10/24/11	FILE - 060670-PH2-PM6.sht

**STATE OF ILLINOIS
ORCHARD DRIVE IMPROVEMENTS**

**PAVEMENT MARKING AND SIGNING PLAN
ORCHARD DRIVE**

SCALE: 1"=40'
STA. 188+00 TO STA. 200+00

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2836	06-00090-00-FP	COOK	200	95
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63635	
			M-8003661	



PAVEMENT MARKING LEGEND

- [A] THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (TYP)
- [B] THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE) (TYP)
- [C] THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE - 10' LINE, 30' SKIP) (TYP)
- [D] THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW - 11" C-C) (TYP)
- [E] THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW - 5.5" C-C, OUTSIDE; SOLID, INSIDE: 10' LINE, 30' SKIP) (TYP)
- [F] THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE) (TYP)
- [G] THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE - 2' LINE, 6' SKIP) (TYP)
- [H] THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW 45° DIAGONAL - 75' C-C, MIN 5 EQUALLY SPACED) (TYP)
- [I] THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE CROSS WALK, 2' GAP) (TYP)
- [J] THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE STOP LINE) (TYP)
- [K] RAISED REFLECTIVE PAVEMENT MARKER (TWO - WAY AMBER MARKER, 40' O.C.) (TYP)
- [L] POLYUREA PAVEMENT MARKING TYPE I - LINE 6" (WHITE) (TYP)
- [M] POLYUREA PAVEMENT MARKING TYPE I - LINE 6" (WHITE - 2' LINE, 6' SKIP) (TYP)
- [N] POLYUREA PAVEMENT MARKING TYPE I - LETTERS AND SYMBOLS (TYP)

NOTE:

1. ALL EXISTING SIGNS WITHIN ROW SHALL BE REMOVED UNLESS OTHERWISE INDICATED.
2. SEE SCHEDULE OF QUANTITIES FOR SIGN REMOVAL LOCATIONS.
3. SEE SHEET 88 FOR SIGNING LEGEND.

PROJECT: 201 BY BAXTER & WOODMAN, INC.
 STATE OF ILLINOIS PROFESSIONAL DESIGN FIRM
 LICENSE NO. 84-00221 - EXPIRES 4/30/2013
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DESIGNED - TLH	REVISED -
DRAWN - MAC	REVISED -
CHECKED - TAO	REVISED -
DATE - 10/24/11	FILE - 060670-PH2-PM7.sht

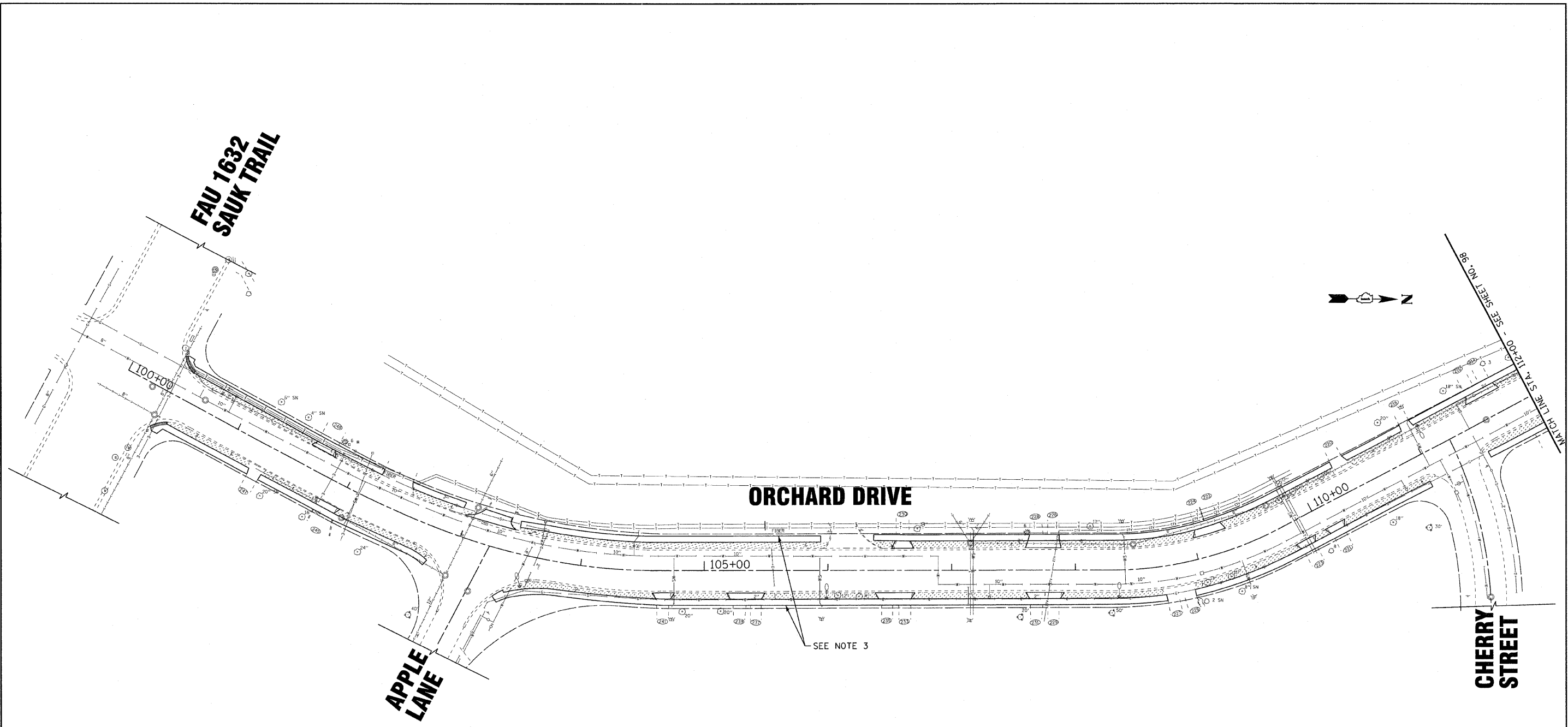
**STATE OF ILLINOIS
ORCHARD DRIVE IMPROVEMENTS**

**PAVEMENT MARKING AND SIGNING PLAN
ORCHARD DRIVE**

SCALE: 1"=40'

STA. 212+00 TO STA. 217+38

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2836	06-00090-00-FP	COOK	200	96
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63635	
			M-80031661	



LEGEND

- ① TREE, CELTIS OCCIDENTALIS (COMMON HACKBERRY), 2" CALIPER, BALLED AND BURLAPPED
- ② TREE, GINKO BILOBA MAGYAR ARISTOCRAT (MAGYAR ARISTOCRAT GINKO), TREE FORM, 3" CALIPER, BALLED AND BURLAPPED
- ③ TREE, LIQUIDAMBAR STYRACIFLUA (AMERICAN SWEETGUM), 2" CALIPER, BALLED AND BURLAPPED
- ④ TREE, TILIA AMERICANA (AMERICAN LINDEN/BASSWOOD), 2" CALIPER, BALLED AND BURLAPPED
- ⑤ TREE, ULMUS ACCOLADE (HYBRID ELM), 3" CALIPER, BALLED AND BURLAPPED
- ⑥ TREE, SYRINGA RETICULATA IVORY SILK (IVORY SILK JAPANESE TREE LILAC), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED
- [Stippled Box] SODDING
- [Cross-hatched Box] SEEDING CLASS 2A

NOTES:

1. FOR TREE SCHEDULE SEE SHEET NO. 17
2. THE CONTRACTOR SHALL COORDINATE PARKWAY TREE REMOVAL WITH THE ENGINEER. NO PARKWAY TREES SHALL BE REMOVED WITHOUT PRIOR APPROVAL OF ENGINEER.
3. FROM STA 100+40 TO STA 124+40 AND FROM STA 125+20 TO STA 133+25 LIMIT OF SODDING EXTENDS TO 18" FROM THE BACK OF SIDEWALK.

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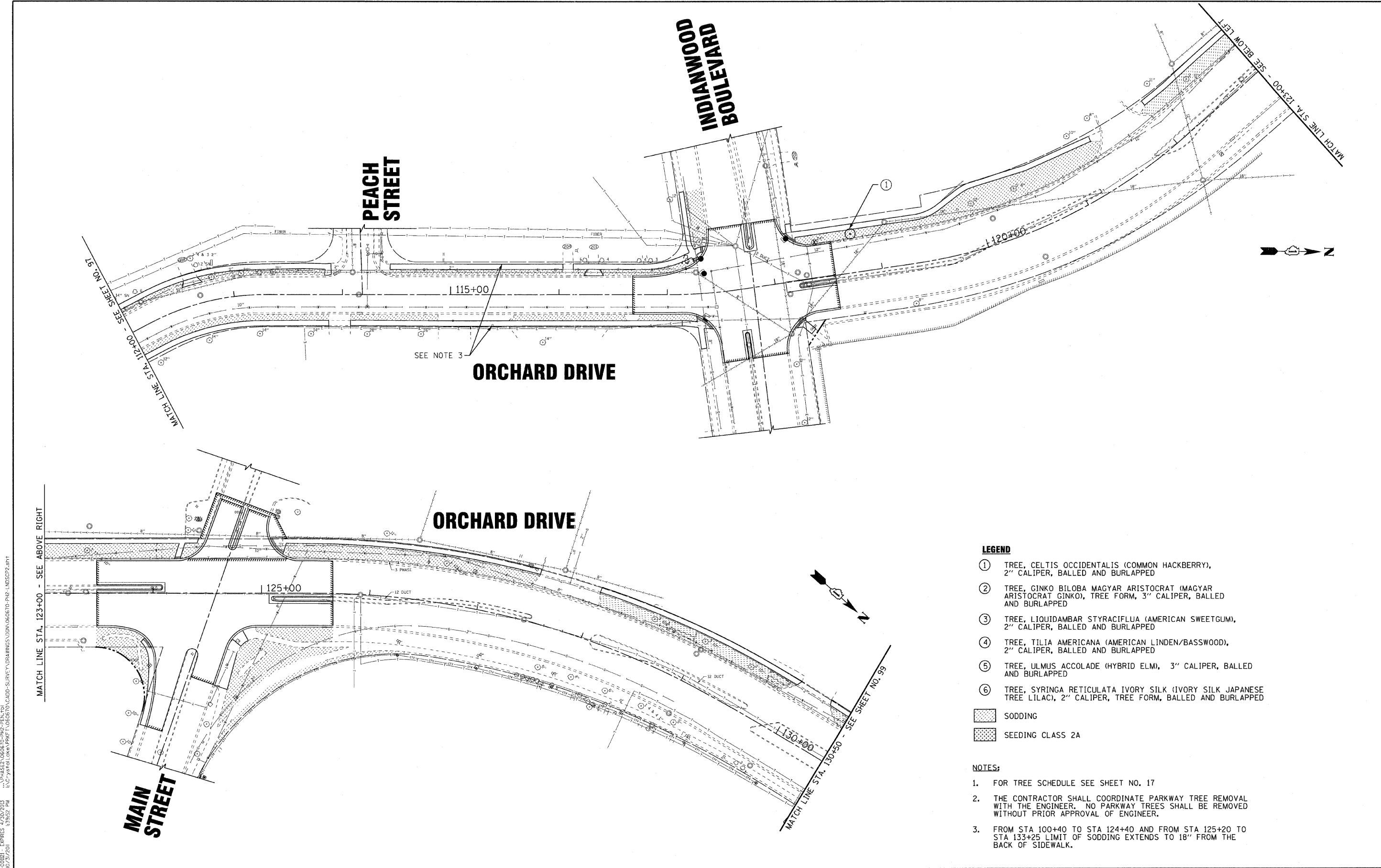


DESIGNED - TLH	REVISED -
DRAWN - UKB	REVISED -
CHECKED - TLH	REVISED -
DATE - 10/24/11	FILE - 060670-PH2-LNDSCP1.sht

**STATE OF ILLINOIS
ORCHARD DRIVE IMPROVEMENTS**

LANDSCAPING PLAN ORCHARD DRIVE	
SCALE: 1"=40'	STA. 100+00 TO STA. 112+00

F.A.U. RTE. 2836	SECTION 06-00090-00-FP	COUNTY COOK	TOTAL SHEETS 200	SHEET NO. 97
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT	CONTRACT NO. 63635 M-6003(661)	



LEGEND

- ① TREE, CELTIS OCCIDENTALIS (COMMON HACKBERRY), 2" CALIPER, BALLED AND BURLAPPED
- ② TREE, GINKO BILOBA MAGYAR ARISTOCRAT (MAGYAR ARISTOCRAT GINKO), TREE FORM, 3" CALIPER, BALLED AND BURLAPPED
- ③ TREE, LIQUIDAMBAR STYRACIFLUA (AMERICAN SWEETGUM), 2" CALIPER, BALLED AND BURLAPPED
- ④ TREE, TILIA AMERICANA (AMERICAN LINDEN/BASSWOOD), 2" CALIPER, BALLED AND BURLAPPED
- ⑤ TREE, ULMUS ACCOLADE (HYBRID ELM), 3" CALIPER, BALLED AND BURLAPPED
- ⑥ TREE, SYRINGA RETICULATA IVORY SILK (IVORY SILK JAPANESE TREE LILAC), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED

- SODDING
- SEEDING CLASS 2A

NOTES:

1. FOR TREE SCHEDULE SEE SHEET NO. 17
2. THE CONTRACTOR SHALL COORDINATE PARKWAY TREE REMOVAL WITH THE ENGINEER. NO PARKWAY TREES SHALL BE REMOVED WITHOUT PRIOR APPROVAL OF ENGINEER.
3. FROM STA 100+40 TO STA 124+40 AND FROM STA 125+20 TO STA 133+25 LIMIT OF SODDING EXTENDS TO 18" FROM THE BACK OF SIDEWALK.

SUPERVISOR & DESIGNER: BAXTER & WOODMAN, INC.
 1000 W. MONROE STREET, SUITE 100, CHICAGO, ILLINOIS 60606
 LICENSE NO. 184-000217, EXPIRES 7/30/2013
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DRAWN - UKB	REVISED -
CHECKED - TLH	REVISED -
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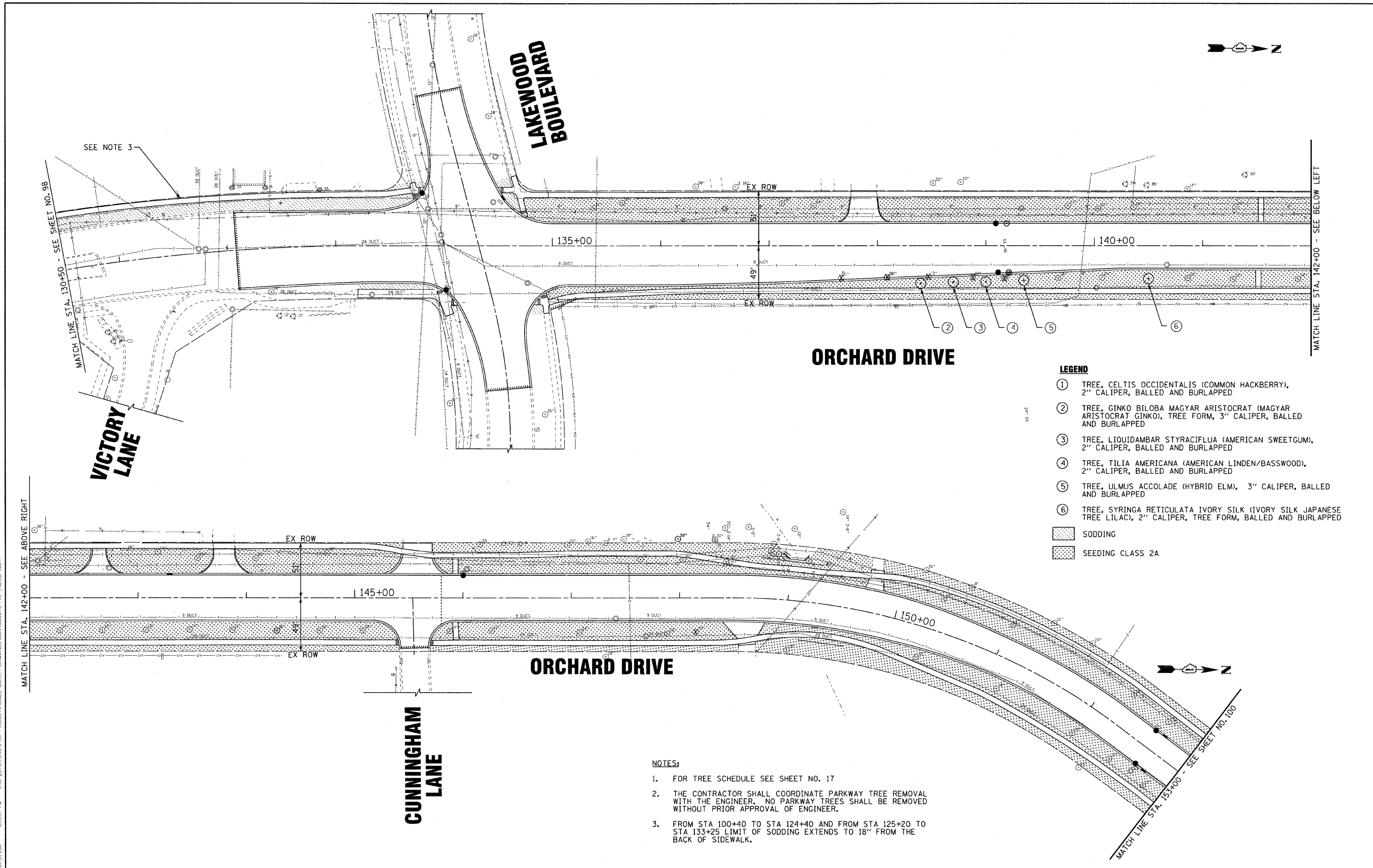
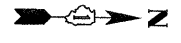
**STATE OF ILLINOIS
ORCHARD DRIVE IMPROVEMENTS**

**LANDSCAPING PLAN
ORCHARD DRIVE**

SCALE: 1"=40'

STA. 112+00 TO STA. 130+50

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2836	06-00090-00-FP	COOK	200	98
FED. ROAD DIST. NO. 1 ILLINOIS			FED. AID PROJECT	M-800366D



SEE NOTE 3

MATCH LINE STA. 130+50 - SEE SHEET NO. 98

VICTORY LANE

LAKWOOD BOULEVARD

135+00

140+00

ORCHARD DRIVE

MATCH LINE STA. 142+00 - SEE BELOW LEFT

LEGEND

- ① TREE, CELTIS OCCIDENTALIS (COMMON HACKBERRY), 2" CALIPER, BALLED AND BURLAPPED
- ② TREE, GINKO BILOBA MAGYAR ARISTOCRAT (MAGYAR ARISTOCRAT GINKO), TREE FORM, 3" CALIPER, BALLED AND BURLAPPED
- ③ TREE, LIQUIDAMBAR STYRACIFLUA (AMERICAN SWEETGUM), 2" CALIPER, BALLED AND BURLAPPED
- ④ TREE, TILIA AMERICANA (AMERICAN LINDEN/BASSWOOD), 2" CALIPER, BALLED AND BURLAPPED
- ⑤ TREE, ULMUS ACCOLADE (HYBRID ELM), 3" CALIPER, BALLED AND BURLAPPED
- ⑥ TREE, SYRINGA RETICULATA IVORY SILK (IVORY SILK JAPANESE TREE LILAC), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED
- [Stippled Pattern] SODDING
- [Cross-hatched Pattern] SEEDING CLASS 2A

MATCH LINE STA. 142+00 - SEE ABOVE RIGHT

EX ROW

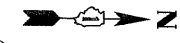
145+00

EX ROW

ORCHARD DRIVE

150+00

CUNNINGHAM LANE



MATCH LINE STA. 153+00 - SEE SHEET NO. 100

NOTES:

1. FOR TREE SCHEDULE SEE SHEET NO. 17
2. THE CONTRACTOR SHALL COORDINATE PARKWAY TREE REMOVAL WITH THE ENGINEER. NO PARKWAY TREES SHALL BE REMOVED WITHOUT PRIOR APPROVAL OF ENGINEER.
3. FROM STA 100+40 TO STA 124+40 AND FROM STA 125+20 TO STA 133+25 LIMIT OF SODDING EXTENDS TO 18" FROM THE BACK OF SIDEWALK.

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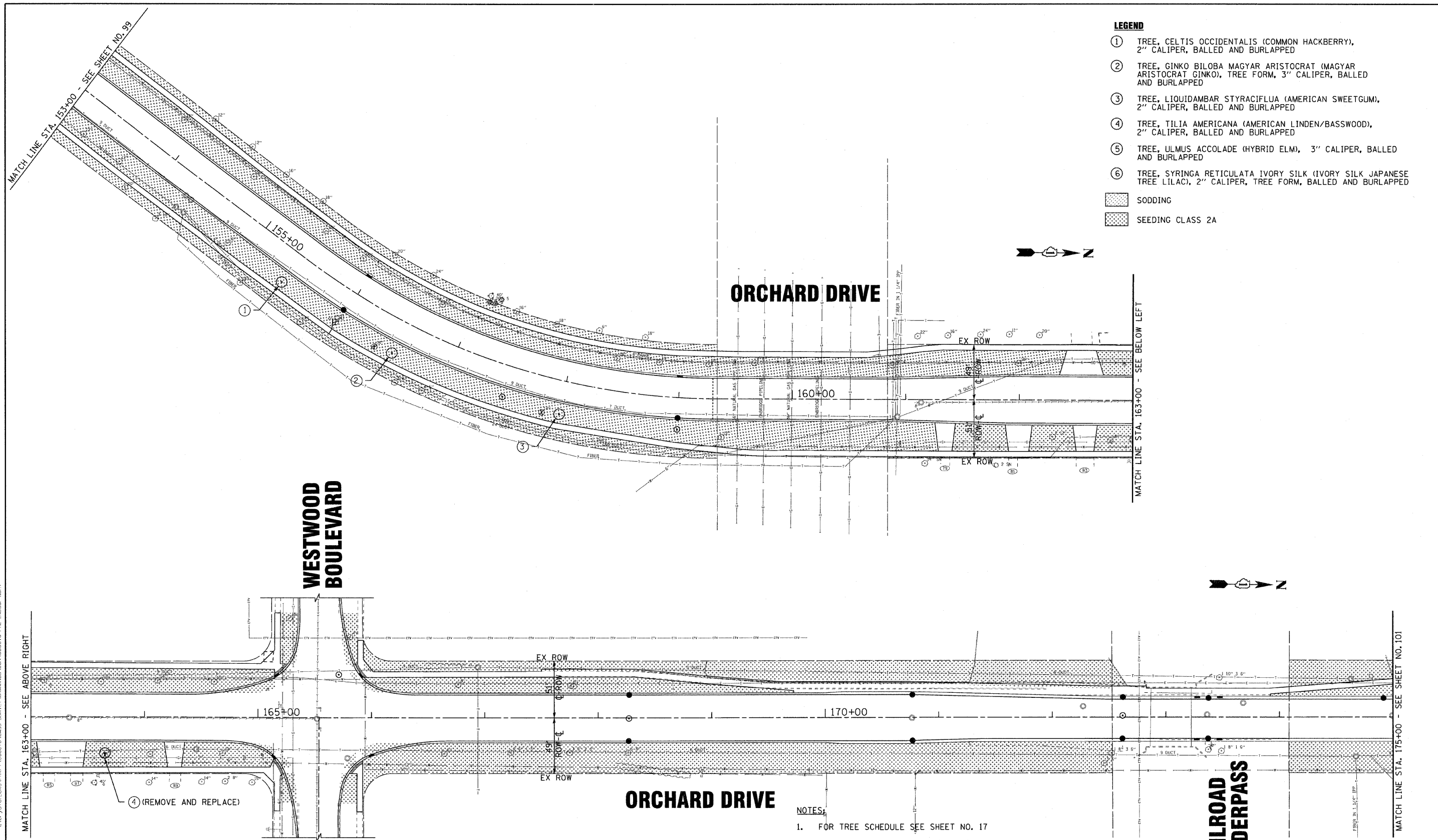


DESIGNED - TLH	REVISED -
DRAWN - UKB	REVISED -
CHECKED - TLH	REVISED -
DATE - 10/24/11	FILE - 060670-PH2-LNDSCP3.sht

**STATE OF ILLINOIS
ORCHARD DRIVE IMPROVEMENTS**

LANDSCAPING PLAN ORCHARD DRIVE	
SCALE: 1"=40'	STA. 130+50 TO STA. 153+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2836	06-00090-00-FP	COOK	200	99
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63635 M-800316611	



- LEGEND**
- ① TREE, CELTIS OCCIDENTALIS (COMMON HACKBERRY), 2" CALIPER, BALLED AND BURLAPPED
 - ② TREE, GINKO BILOBA MAGYAR ARISTOCRAT (MAGYAR ARISTOCRAT GINKO), TREE FORM, 3" CALIPER, BALLED AND BURLAPPED
 - ③ TREE, LIQUIDAMBAR STYRACIFLUA (AMERICAN SWEETGUM), 2" CALIPER, BALLED AND BURLAPPED
 - ④ TREE, TILIA AMERICANA (AMERICAN LINDEN/BASSWOOD), 2" CALIPER, BALLED AND BURLAPPED
 - ⑤ TREE, ULMUS ACCOLADE (HYBRID ELM), 3" CALIPER, BALLED AND BURLAPPED
 - ⑥ TREE, SYRINGA RETICULATA IVORY SILK (IVORY SILK JAPANESE TREE LILAC), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED
- [Pattern] SODDING
 - [Pattern] SEEDING CLASS 2A

- NOTES:**
1. FOR TREE SCHEDULE SEE SHEET NO. 17
 2. THE CONTRACTOR SHALL COORDINATE PARKWAY TREE REMOVAL WITH THE ENGINEER. NO PARKWAY TREES SHALL BE REMOVED WITHOUT PRIOR APPROVAL OF ENGINEER.

DESIGNED BY: BAXTER & WOODMAN, INC.
 STATE LICENSE NO. 06-00090-00-FP
 LICENSE NO. 84-00021 - EXPIRES 4/30/2013
 10/21/2011



DESIGNED - TLH	REVISED -
DRAWN - UKB	REVISED -
CHECKED - TLH	REVISED -
DATE - 10/24/11	FILE - 060670-PH2-LNDSCP4.sht

**STATE OF ILLINOIS
ORCHARD DRIVE IMPROVEMENTS**

LANDSCAPING PLAN ORCHARD DRIVE	
SCALE: 1"=40'	STA. 153+00 TO STA. 175+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2836	06-00090-00-FP	COOK	200	100
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63635 M-80031661	