

FOR INDEX OF SHEETS, SEE SHEET NO. 2
FOR HIGHWAY STANDARDS, SEE SHEET NO. 2

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
**PLANS FOR PROPOSED
FEDERAL AID HIGHWAY**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1537	06-00050-00-GS	COOK	209	1
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO.	#63556	

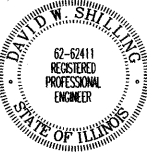
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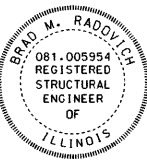
Tim W 12/22/2010
TIMOTHY J. WHALEN DATE
LICENSE EXPIRES 11/30/2011
SHEET RANGE 2-7, 11-13, 14, 17-18, 22-27, 31-43, 47-49, 51-52, 66-68, 78-78, 147, 165-209



Patricia K Barker 12/17/2010
PATRICIA K. BARKER DATE
LICENSE EXPIRES 11/30/2011
SHEET RANGE 10, 19-21, 44-46, 50, 53-56, 61-72



David Shilling 12/17/2010
DAVID W. SHILLING DATE
LICENSE EXPIRES 11/30/2011
SHEET RANGE 79-87



Brad M Radovich 12/22/2010
BRAD M. RADOVICH DATE
LICENSE EXPIRES 11/30/2012
SHEET RANGE 95-106, 108-111, 113-146, 148-158, 164

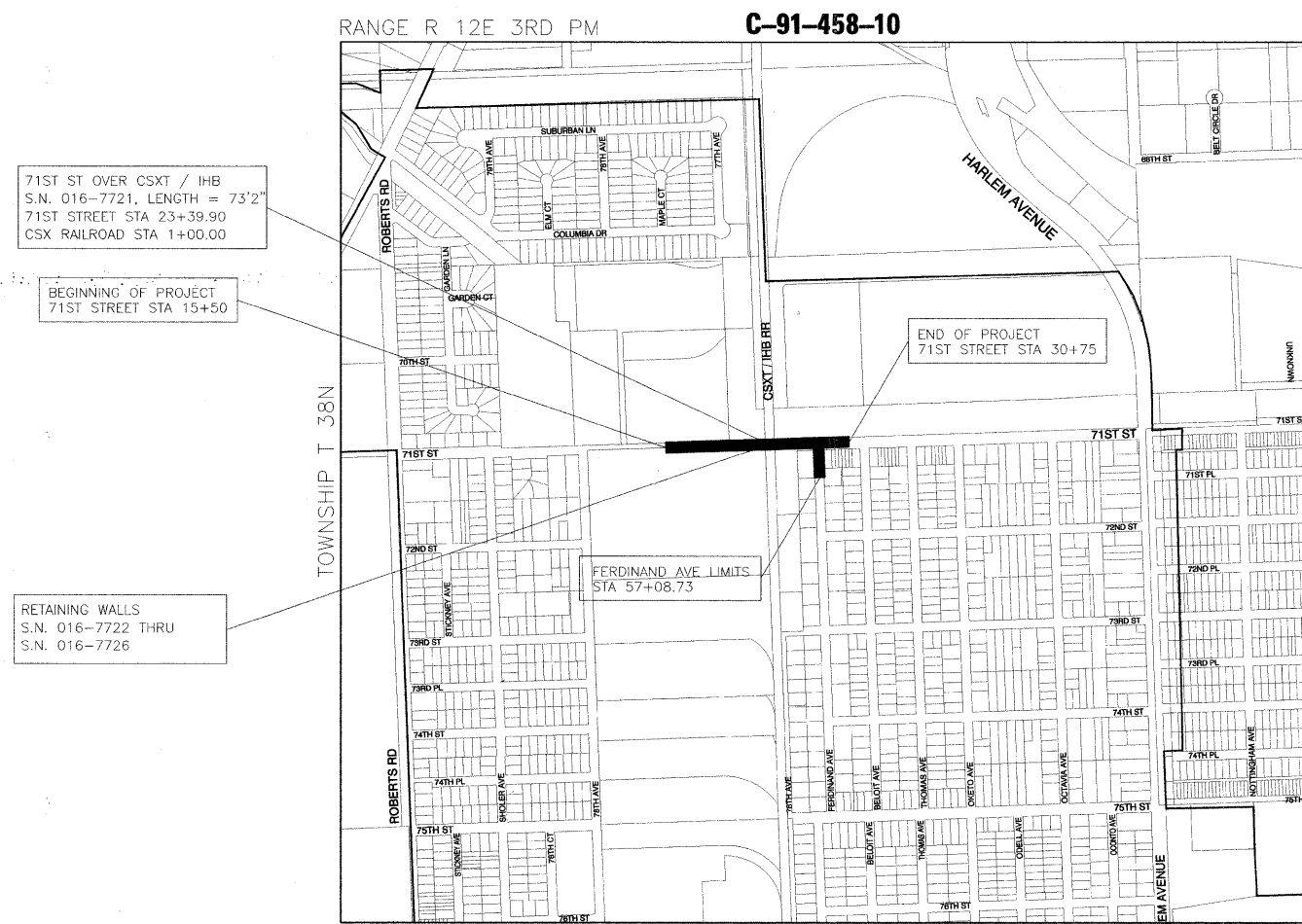
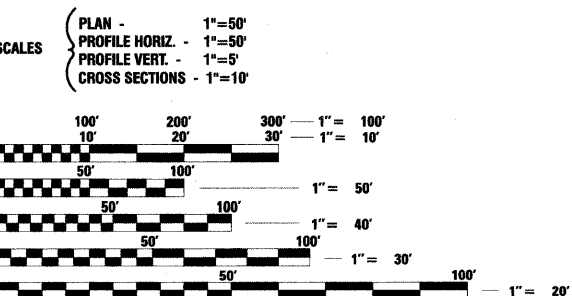


F. Thomas Mathews 12/09/2010
F. THOMAS MATHEWS DATE
LICENSE EXPIRES 11/30/2011
SHEET RANGE 88-94

71ST STREET (FAU 1537)
AT CSXT / IHB RAILROAD CROSSING
GRADE SEPARATION
PROJECT NO.: CRE-9003(709)
SECTION NO.: 06-00050-00-GS
VILLAGE OF BRIDGEVIEW
COOK COUNTY



71ST STREET	
2010 ADT -	4,400
2030 ADT -	7,000
POSTED SPEED LIMIT -	35 mph
DESIGN PERIOD -	20 YEARS
DESIGN SPEED LIMIT -	35 mph
DESIGN DESIGNATION -	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.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

CONTRACT NO. 63556

LOCATION MAP - NOT TO SCALE
- - - INDICATES PROPOSED IMPROVEMENT
GROSS LENGTH = 1,816 FT. = 0.34 MILES
NET LENGTH = 1,816 FT. = 0.34 MILES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

APPROVED *Dec. 20, 2010*
Steve Ladd
PRESIDENT, VILLAGE OF BRIDGEVIEW

PASSED *JANUARY 6, 2011*
Christopher Hill
DISTRICT 1 ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID
BASED ON LIMITED
REVIEW *JANUARY 7, 2010*
Diane M. O'Keefe
DEPUTY DIRECTOR OF HIGHWAYS, REGION 1 ENGINEER

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OF THE STATE OF ILLINOIS



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

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HIGHWAY STANDARDS

STANDARD NO.	DESCRIPTION
000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-05	TEMPORARY EROSION CONTROL SYSTEMS
420001-07	PAVEMENT JOINTS
420101-04	24' (7.2 m) JOINTED PCC PAVEMENT
420111-03	PCC PAVEMENT ROUNDOUTS
420501-04	PCC PAVEMENT AND PCC BASE COURSE ADJACENT TO RAILROAD GRADE CROSSING
420701-02	PAVEMENT FABRIC
424001-05	CURB RAMPS FOR SIDEWALKS
442201-03	CLASS C AND D PATCHES
515001-03	NAME PLATE FOR BRIDGES
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
542601-03	REINFORCED CONCRETE PIPE ELBOW 24", 30" OR 36" (600 mm, 750 mm OR 900 mm)
542606-02	REINFORCED CONCRETE PIPE TEE
601001-04	SUB-SURFACE DRAINS
602001-02	CATCH BASIN TYPE A
602301-03	INLET - TYPE A
602306-03	INLET - TYPE B
602401-03	MANHOLE TYPE A
602406-04	MANHOLE TYPE A 6' (1.8 m) DIAMETER
602501-02	VALVE VAULT TYPE A
602601-02	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701-02	MANHOLE STEPS
604001-03	FRAME AND LIDS TYPE 1
604036-02	GRATE TYPE 8
604061-02	FRAME AND GRATE TYPE 12
604091-02	FRAME AND GRATE TYPE 24
606001-04	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
664001-02	CHAIN LINK FENCE
701101-02	OFF-RD OPERATIONS, MULTILANE, 15' (4.5 m) TO 24' (600 mm) FROM PAVEMENT EDGE
701106-02	OFF-RD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 m) AWAY
701311-03	LANE CLOSURE 2L, 2W MOVING OPERATIONS- DAY ONLY
701606-07	URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-07	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-04	LANE CLOSURE MULTILANE 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE
701901-01	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-02	SIGN PANEL ERECTION DETAILS
780001-02	TYPICAL PAVEMENT MARKINGS
B.L.R. 24-2	MAILBOX TURNOUT FOR LOCAL ROADS

DISTRICT 1 STANDARD DETAILS

STANDARD NO.	DESCRIPTION
BD0156-07 (BD-01)	DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND CURB OR EDGE GREATER THAN OR EQUAL TO 15' (4.5m)
BD400-02 (BD-02)	DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB IS LESS THAN 15' (4.5m)
BD500-01 (BD-7)	STORM SEWER CONNECTION TO EXISTING SEWER
BD600-03 (BD-8)	FRAMES AND LIDS ADJUSTMENT WITH MILLING; AND FRAMES AND LIDS ADJUSTMENT WITHOUT MILLING
BD400-04 (BD-22)	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT
BD600-06 (BD-24)	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT
BD400-05 (BD-32)	BUTT JOINTS AND HMA TAPER
BD400-06 (BD-33)	HMA TAPER AT EDGE OF PCC PAVEMENT
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TC-23	SIGNING AND PAVEMENT MARKINGS TREATMENT FOR RAILROAD CROSSINGS
TC-26	DRIVEWAY ENTRANCE SIGNING

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF DRAWINGS AND HIGHWAY STANDARDS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1537	06-00050-00-GS	COOK	209	2
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 63556	
FED. AID PROJECT CRE-9003(709)				

GENERAL NOTES

1. THE APPROXIMATE LOCATION OF KNOWN PUBLIC UTILITIES ARE SHOWN ON THE PLANS. HOWEVER, THE DEPARTMENT DOES NOT GUARANTEE THEIR ACCURACY. PRIOR TO COMMENCING OPERATIONS ON THE PROJECT WHICH MAY IN ANY WAY CREATE THE POSSIBILITY OF INVOLVEMENT WITH EXISTING UTILITIES, THE CONTRACTOR SHALL CONTACT THE UTILITY OWNER (OR COMMUNITY) INVOLVED. ADJUSTMENT OF ALL PUBLIC UTILITIES WITHIN THE LIMITS OF THIS IMPROVEMENT WILL BE DONE BY THE RESPECTIVE OWNERS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY LOCATIONS OF UNDERGROUND INSTALLATION BEFORE STARTING CONSTRUCTION OPERATIONS IN ACCORDANCE WITH SPECIAL PROVISION LR105. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH ALL UTILITY COMPANIES. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E." (JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION) AT 1-800-892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, AND GAS FACILITIES (48 HOUR NOTIFICATION IS REQUIRED).
2. ALL ELEVATIONS SHOWN REFER TO N.A.D. '83 (2007) UNLESS OTHERWISE NOTED.
3. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR, OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION. WHERE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED.
4. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON VILLAGE PROPERTY OR PUBLIC RIGHT OF WAY WITHOUT WRITTEN PERMISSION FROM THE ENGINEER.
5. WHEN ARTIFICIAL LIGHTING IS UTILIZED IN NIGHT OPERATIONS, THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTIONS IN PREVENTING ADVERSE GLARE TO THE MOTORING PUBLIC AND ADJOINING RESIDENTIAL AREAS.
6. DURING CONSTRUCTION OPERATIONS WHEN ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF THE GUTTERS OR DRAINAGE STRUCTURES SO THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED, IT SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY.
7. PROTECTIVE COAT SHALL BE APPLIED IN ACCORDANCE WITH ARTICLE 420.18 OF THE STANDARD SPECIFICATIONS TO CONCRETE MEDIAN SURFACES AND BARRIER, APPROACH AND SHOULDER SLABS, SIDEWALK, ALL EXPOSED SURFACES OF CURBS AND GUTTERS. ANY PART OF THIS ITEM CAN BE DELETED OR ANOTHER ADDED AT THE DISCRETION OF THE ENGINEER.

8. 10 FOOT TRANSITIONS SHALL BE USED TO MATCH PROPOSED ITEMS OF WORK TO EXISTING ITEMS IN THE FIELD OR TO TAPER FROM 6" VERTICAL TO 0" VERTICAL. UNLESS OTHERWISE SHOWN, THE TRANSITIONS SHALL BE PAID AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEM OF WORK SPECIFIED.

9. THE REMOVAL AND/OR REPLACEMENT OF ANY DRIVEWAYS, PAVEMENT, CURB, SIDEWALK, ETC. SHALL BE ACCOMPLISHED BY MEANS OF A STRAIGHT SAW CUT JOINT, AT THE DIRECTION OF THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE VARIOUS ITEMS.

10. WHEREVER BURIED CONCRETE MASONRY WALLS, HEADWALLS, OR OTHER OBSTRUCTIONS ARE ENCOUNTERED, THEY SHALL BE REMOVED TO AN ELEVATION OF 1 FOOT BELOW THE ESTABLISHED GRADE OR SUBGRADE AS SHOWN ON THE PLANS. SUCH WORK SHALL BE CONSIDERED INCLUDED IN EARTH EXCAVATION.

11. DRAINAGE STRUCTURE ELEVATIONS: GRADES OF SEWER LINES WERE DETERMINED FROM AVAILABLE PLANS AND SURVEYS. ACCORDINGLY, AS DIRECTED BY THE ENGINEER, THE INVERTS OF THE PROPOSED DRAINAGE WILL BE REVISED TO MEET EXISTING FIELD CONDITIONS.

12. WHEN EXISTING DRAINAGE FACILITIES ARE DISTURBED, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY OUTLETS AND CONNECTIONS FOR ALL PRIVATE OR PUBLIC DRAINS, SEWERS OR CATCH BASINS. HE SHALL PROVIDE FACILITIES TO TAKE IN ALL STORM WATER WHICH WILL BE RECEIVED BY THESE DRAINS & SEWERS AND DISCHARGE SAME. HE SHALL PROVIDE AND MAINTAIN AN EFFICIENT PUMPING PLANT, IF NECESSARY, AND A TEMPORARY OUTLET, AND BE PREPARED AT ALL TIMES TO DISPOSE OF THE WATER RECEIVED FROM THESE TEMPORARY SEWER CONNECTIONS UNTIL SUCH TIME AS THE PERMANENT CONNECTIONS WITH SEWERS ARE BUILT AND IN SERVICE. THE COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT PRICES BID AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

GENERAL NOTES CONT.

13. THE CONTRACTOR SHALL TEMPORARILY RELOCATE AND PERMANENTLY RESET MAILBOXES AS DIRECTED BY THE ENGINEER IN ACCORDANCE WITH ARTICLE 107.20. THIS WORK SHALL BE INCLUDED IN THE COST OF THE CONTRACT.

14. UNDERDRAIN SLOPEWALL AND PIPE REMOVAL SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.

15. THE GENERAL CONTRACTOR IS REQUIRED TO HIRE AN ENVIRONMENTAL FIRM THAT IS PREQUALIFIED BY THE DEPARTMENT IN HAZARDOUS WASTE TO REMEDIATE THE SOIL CONTAMINATION AND MONITOR FOR WORKER PROTECTION.

16. RIM ELEVATIONS AND OFFSETS TO CATCH BASINS, INLETS, AND MANHOLES ARE TO THE EDGE OF PAVEMENT OR TO THE CENTER OF STRUCTURE UNLESS OTHERWISE NOTED. OFFSETS TO ROADWAY AND DRIVEWAY END SECTIONS ARE TO THE TOE OF THE STRUCTURE UNLESS OTHERWISE NOTED.

17. IN LOCATIONS, WHERE THE EXISTING DRAINAGE STRUCTURES ARE TO BE FILLED, REMOVE THE TOP OF THE STRUCTURE TO THE BOTTOM OF THE BOTTOM OF THE PROPOSED AGGREGATE SUBGRADE.

18. ITEMS OF WORK LISTED IN THE SUMMARY OF QUANTITIES WHICH ARE NOT SPECIFICALLY INDICATED IN THE PLANS SHALL BE PERFORMED AT LOCATIONS AS DIRECTED BY THE ENGINEER.

19. THE TOP OF ALL STRUCTURES SHALL BE FLUSH WITH THE ADJACENT SURFACE OR AT THE INDICATED ELEVATIONS SHOWN ON THE PLANS. ALL RIM ELEVATIONS OF STRUCTURES IN THE PROPOSED CURB LINE ARE GIVEN TO THE EDGE OF PAVEMENT. ALL OTHER RIM ELEVATIONS ARE GIVEN TO THE CENTER OF THE STRUCTURES.

20. HALF TRAPS ARE TO BE OMITTED IN CATCH BASINS.

21. FRAME ELEVATIONS ARE GIVEN ONLY TO ASSIST IN DETERMINING THE APPROXIMATE OVERALL HEIGHT OF THE STRUCTURE. FRAMES ON ALL NEW STRUCTURES WILL BE ADJUSTED TO THE FINAL ELEVATION OF THE AREA IN WHICH THEY ARE LOCATED AS PART OF THE STRUCTURE COST.

22. ALL TRENCHES WITHIN 2 FEET OF PROPOSED PAVEMENT, DRIVEWAYS AND SIDEWALKS SHALL BE BACKFILLED WITH TRENCH BACKFILL ONLY.

23. WHEN 10 FT SEPARATION IS NOT MAINTAINED BETWEEN THE WATER MAIN AND THE PROPOSED STORM SEWER, THE JOINTS OF THE PIPE SHALL BE SEALED WITH TYLOX, TYPE C GASKETS, OR AN APPROVED EQUIVALENT CONFORMING TO ASTM STANDARDS C443 AND C361. GASKETS SHALL BE CONSIDERED INCIDENTAL TO THE COST OF STORM SEWER WHEN REQUIRED.

24. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4150 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK. THE CONTRACTOR SHALL ALSO CONTACT ROBINSON ENGINEERING (708) 331-6700 AND THE VILLAGE OF BRIDGEVIEW (708) 924-8053, A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

25. CONTRACTOR SHALL BE RESPONSIBLE AT ALL TIMES FOR TRAFFIC CONTROL AND PROTECTION IN ACCORDANCE WITH THE IDOT STANDARD SPECIFICATIONS ADOPTED JANUARY 1, 2007, THE LATEST EDITION OF THE ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS.

26. ALL STORM SEWERS, UNLESS OTHERWISE NOTED, SHALL CONFORM TO THE STATE SPECIFICATIONS FOR REINFORCED CONCRETE CULVERT, STORM DRAIN AND SEWER PIPE A.A.S.H.T.O. DESIGNATION M170 (A.S.T.M. DESIGNATION C76), WITH A MINIMUM OF CLASS III.

27. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL DRIVEWAYS THROUGHOUT THE PROJECT LIMITS AT ALL TIMES. IF DRIVEWAY ACCESS MUST BE RESTRICTED, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING 7 DAYS IN ADVANCE. THE CONTRACTOR MUST PROVIDE WRITTEN NOTIFICATION TO THE ENGINEER AND THE VILLAGE AT LEAST 7 DAYS IN ADVANCE OF ANY CONSTRUCTION ACTIVITIES THAT WILL IMPACT A PROPERTY OWNER'S ABILITY TO ACCESS THEIR PROPERTY OR FACILITY OR CAUSE A DISRUPTION TO THEIR UTILITY SERVICE.

28. THE EXISTING GUARDHOUSE AT PEPSICO HAS ELECTRICAL AND TELEPHONE SERVICE. LOCATION OF SERVICES TO BE VERIFIED IN THE FIELD.

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

PROJECT COMMITMENTS

1. SEE THE WORK ZONE AND STAGING PLANS FOR A LISTING OF THE PROJECT COMMITMENTS. THE COMMITMENTS LISTED ON THESE PLANS TRUMP OTHER GENERAL NOTES.
2. SCHEDULING OF RAILROAD TRACK SHUTDOWNS FOR UNDERPASS CONSTRUCTION SHALL BE COORDINATED THROUGH THE ENGINEER AND CSXT. SEE THE SPECIAL PROVISIONS FOR ADDITIONAL COMMITMENTS AND REQUIREMENTS.

LANDSCAPING GENERAL NOTES

1. THE CONTRACTOR SHALL USE CARE WHILE GRADING OR EXCAVATING NEAR ANY AND ALL EXISTING ITEMS WHICH WILL NOT BE REMOVED. ANY DAMAGE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE IN ACCORDANCE WITH ARTICLE 107.20.
2. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS FOR THE PROTECTION OF EXISTING PLANT MATERIAL FOR WHICH THE CONTRACT DOES NOT PROVIDE REMOVAL. THE PROTECTION OF EXISTING PLANT MATERIAL AND THE REPAIR OR REPLACEMENT OF EXISTING PLANT MATERIAL DAMAGE BY THE CONTRACTOR SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 201 OF THE STANDARD SPECIFICATION.
3. THE SEEDING DATES FOR BARE EARTH SEEDING OF MIXTURE CLASSES 2A SHALL BE FROM APRIL 1 TO JUNE 15 AND FROM AUGUST 1 TO NOVEMBER 1. ALL SEEDING NOT SHOWN ACCORDING TO THE SPECIFIED SEASONAL DATE SHALL REQUIRE PRIOR APPROVAL FROM THE ENGINEER. FAILURE TO SECURE SUCH APPROVAL MAY RESULT IN THE REJECTION OF THE SEEDING AND REPLACEMENT BY THE CONTRACTOR AS HIS/HER EXPENSE.
4. THE CONTRACTOR SHALL PROTECT ALL TREES WITHIN AND ADJACENT TO THE CONSTRUCTION SITE DURING THE CLEARING AND SUBSEQUENT CONSTRUCTION OPERATIONS IN ACCORDANCE WITH SECTION 201 OF THE STANDARD SPECIFICATIONS. THOSE TREES TO BE REMOVED AS SHOWN IN THE PLANS SHALL BE DONE IN ACCORDANCE WITH SECTION 201 AND 202 OF THE STANDARD SPECIFICATIONS.

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USER NAME = manuj	DESIGNED = JWM	REVISED =
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	DATE = March 17, 2011	REVISED =

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GENERAL NOTES AND
PROJECT COMMITMENTS**

SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			1537	06-00050-00-GS	COOK	209	3
			FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT CRE-9003(709)		
			CONTRACT NO. 63556				

SUMMARY OF QUANTITIES

SI	CODE NO.	ITEM	UNIT	QUANTITY	ROADWAY	71st STREET BRIDGE SN 016- 7721	RETAINING WALLS SN 016- 7722 THRU SN016- 7726	TRAINEES	71st STREET PUMPING STATION
					0004	0008	0040	0042	0043
	20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	143	143				
	20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	18	18				
	20101000	TEMPORARY FENCE	FOOT	1,500	1,500				
*	20101100	TREE TRUNK PROTECTION	EACH	30	30				
*	20101700	SUPPLEMENTAL WATERING	UNIT	110	110				
	20200100	EARTH EXCAVATION	CU YD	41,981	41,981				
	20800150	TRENCH BACKFILL	CU YD	9,698	9,238				460
*	21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	14,134	13,154				980
*	21101685	TOPSOIL FURNISH AND PLACE, 24"	SQ YD	80	80				
	21301072	EXPLORATION TRENCH 72" DEPTH	FOOT	80	80				
*	25000200	SEEDING, CLASS 2	ACRE	0.7	0.2				0.5
*	25100630	EROSION CONTROL BLANKET	SQ YD	10,892	10,892				
*	25200110	SODDING, SALT TOLERANT	SQ YD	10,892	10,892				
*	28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	750	750				
	28000400	PERIMETER EROSION BARRIER	FOOT	6,050	5,850				200
	28000500	INLET AND PIPE PROTECTION	EACH	1	1				
	28000510	INLET FILTERS	EACH	79	79				
	31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	9,632	9,392				240
	31200502	STABILIZED SUBBASE - HOT-MIX ASPHALT, 4 1/2"	SQ YD	9,768	9,768				
	35501308	HOT-MIX ASPHALT BASE COURSE, 6"	SQ YD	240	240				
	40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	2,077	2,077				
	40600300	AGGREGATE (PRIME COAT)	TON	31	31				
	40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	48	48				
	40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	49	49				
	40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	457	457				
	40701921	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 12"	SQ YD	2,738	2,738				
	42000501	PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED)	SQ YD	9,149	9,149				
	42001300	PROTECTIVE COAT	SQ YD	49,533	49,533				
	42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	5,474	5,474				
	42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	14,914	14,719				195
	42400800	DETECTABLE WARNINGS	SQ FT	116	116				
	44000100	PAVEMENT REMOVAL	SQ YD	13,341	13,126				215.0
	44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	4,080	4,080				
	44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	3,509	3,509				
	44000300	CURB REMOVAL	FOOT	20	20				
	44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	3,750	3,750				
	44000600	SIDEWALK REMOVAL	SQ FT	11,918	11,918				
	44003100	MEDIAN REMOVAL	SQ FT	194	194				
	44200120	PAVEMENT PATCHING, TYPE II, 10 INCH	SQ YD	86	86				
	44200124	PAVEMENT PATCHING, TYPE III, 10 INCH	SQ YD	50	50				

* DENOTES SPECIALTY ITEM

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USER NAME = manuj
 PLOT SCALE = 1:800 / 1" = 80'
 PLOT DATE = 3/16/2011

DESIGNED - NJH
 DRAWN - NJH
 CHECKED - TJW
 DATE - March 17, 2011

REVISED -
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: NONE SHEET NO. 1 OF 6 SHEETS STA. TO STA.

F.A.U. RTE. 1537	SECTION 06-00050-00-GS	COUNTY COOK	TOTAL SHEETS 209	SHEET NO. 4
CONTRACT NO. 63556			FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT CRE-90037091	

SUMMARY OF QUANTITIES

SI	CODE NO.	ITEM	UNIT	QUANTITY					
					ROADWAY	71st STREET BRIDGE SN 016-7721	RETAINING WALLS SN 016-7722 THRU SN016-7726	TRAINES	71st STREET PUMPING STATION
					0004	0008	0040	0042	0043
	44200126	PAVEMENT PATCHING, TYPE IV, 10 INCH	SQ YD	665	665				
	44201359	CLASS C PATCHES, TYPE IV, 10 INCH	SQ YD	171	171				
	50105220	PIPE CULVERT REMOVAL	FOOT	38	38				
	50200100	STRUCTURE EXCAVATION	CU YD	2,398	0	2,398			
	50300225	CONCRETE STRUCTURES	CU YD	2,392	0	1,182.1	1,209.9		
	50300285	FORM LINER TEXTURED SURFACE	SQ FT	28,800	0	2,111	26,689		
	50300300	PROTECTIVE COAT	SQ YD	1,974	0	1,974			
	50500105	FURNISHING AND ERECTING STRUCTURAL STEEL	L SUM	1	0	1			
	50500505	STUD SHEAR CONNECTORS	EACH	8,521	0		8,521		
	50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	279,522	62	154,530	124,930		
	50800515	BAR SPLICERS	EACH	320	0	320			
*	50900105	ALUMINUM RAILING, TYPE L	FOOT	1,700	0		1,700		
	51500100	NAME PLATES	EACH	1		1			
	52100400	STEEL BEARING ASSEMBLY	EACH	19	0	19			
	52100530	ANCHOR BOLTS, 1 1/4"	EACH	76	0	76			
	52100540	ANCHOR BOLTS, 1 1/2"	EACH	38	0	38			
	542A1069	PIPE CULVERTS, CLASS A, TYPE 2 24"	FOOT	5	5				
	54210562	PIPE ELBOW, 78"	EACH	2	2				
	54210568	PIPE ELBOW, 84"	EACH	6	6				
	54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	1	1				
	54213687	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 42"	EACH	1	1				
	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	173	173				
	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	1,824	1,824				
	550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	815	815				
	550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	FOOT	83	83				
	550A0430	STORM SEWERS, CLASS A, TYPE 2 30"	FOOT	244	244				
	550A0450	STORM SEWERS, CLASS A, TYPE 2 36"	FOOT	111	111				
	550A0470	STORM SEWERS, CLASS A, TYPE 2 42"	FOOT	279	279				
	550A0530	STORM SEWERS, CLASS A, TYPE 2 78"	FOOT	84	84				
	550A0540	STORM SEWERS, CLASS A, TYPE 2 84"	FOOT	886	886				
	550A0730	STORM SEWERS, CLASS A, TYPE 3 30"	FOOT	261	261				
	550A0770	STORM SEWERS, CLASS A, TYPE 3 42"	FOOT	74	74				
	550A1620	STORM SEWERS, CLASS A, TYPE 6 36"	FOOT	259	259				
	55100500	STORM SEWER REMOVAL 12"	FOOT	1,108	1,108				
	55100700	STORM SEWER REMOVAL 15"	FOOT	262	262				
	55101200	STORM SEWER REMOVAL 24"	FOOT	510	510				
	55102400	STORM SEWER REMOVAL 78"	FOOT	168	168				
	55102500	STORM SEWER REMOVAL 84"	FOOT	1,073	1,073				
*	56100700	WATER SERVICE MAIN 8"	FOOT	50	50				

* DENOTES SPECIALTY ITEM

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USER NAME = merrj
 PLOT SCALE = 1/800" = 1" / 10'
 PLOT DATE = 3/16/2011

DESIGNED - NJH
 DRAWN - NJH
 CHECKED - TJW
 DATE - March 17, 2011

REVISED -
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1537	06-00050-00-GS	COOK	209	5
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT CRE-9003(709)			CONTRACT NO. 63556	

SUMMARY OF QUANTITIES

SI	CODE NO.	ITEM	UNIT	QUANTITY	ROADWAY	71st STREET BRIDGE SN 016- 7721	RETAINING WALLS SN 016- 7722 THRU SN016- 7726	TRAINEES	71st STREET PUMPING STATION
					0004	0008	0040	0042	0043
*	56200300	WATER SERVICE LINE 1"	FOOT	96	96				
*	56200700	WATER SERVICE LINE 2"	FOOT	32	32				
*	56300300	ADJUSTING WATER SERVICE LINES	FOOT	60	60				
*	56400500	FIRE HYDRANTS TO BE REMOVED	EACH	4	4				
*	56400820	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX	EACH	7	7				
	58000100	MEMBRANE WATERPROOFING	SQ FT	5,230	0	5,230			
	59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	3,228	0	333	2,895		
	60107600	PIPE UNDERDRAINS 4"	FOOT	440	440				
	60108100	PIPE UNDERDRAINS 4" (SPECIAL)	FOOT	48	48				
	60200205	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1				
	60200805	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	EACH	3	3				
	60201205	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 12 FRAME AND GRATE	EACH	30	30				
	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	3	3				
	60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	17	17				
	60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	12	11				1
	60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1				
	60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	2	2				
	60236900	INLETS, TYPE A, TYPE 12 FRAME AND GRATE	EACH	20	20				
	60240315	INLETS, TYPE B, TYPE 12 FRAME AND GRATE	EACH	2	2				
	60250500	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	2	2				
	60500040	REMOVING MANHOLES	EACH	17	17				
	60500050	REMOVING CATCH BASINS	EACH	22	22				
	60500060	REMOVING INLETS	EACH	2	2				
	60600605	CONCRETE CURB, TYPE B	FOOT	620	620				
	60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	5,300	5,300				
	60619200	CONCRETE MEDIAN, TYPE SB-6.06	SQ FT	182	182				
	66400305	CHAIN LINK FENCE, 6'	FOOT	914	914				
	66400505	CHAIN LINK FENCE, 8'	FOOT	281	45				236
	66407600	CHAIN LINK GATES, 6' X 12' DOUBLE	EACH	1	1				
	66407900	CHAIN LINK GATES, 6' X 18' DOUBLE	EACH	1	1				
*	66900205	SPECIAL WASTE DISPOSAL	CU YD	98	98				
	67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	18	18				
	67100100	MOBILIZATION	L SUM	1	1				
	70106800	CHANGEABLE MESSAGE SIGN	CAL MO	24	24				
	70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	6,400	6,400				
	70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	90	90				
	70400100	TEMPORARY CONCRETE BARRIER	FOOT	1,600	1,600				
	70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	3,200	3,200				
	72000100	SIGN PANEL - TYPE 1	SQ FT	103	103				

* DENOTES SPECIALTY ITEM

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USER NAME = marnj	DESIGNED - NJH	REVISED -
PLOT SCALE = 1/8" = 1' / in.	DRAWN - NJH	REVISED -
PLOT DATE = 3/16/2011	CHECKED - TJW	REVISED -
	DATE - March 17, 2011	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: NONE SHEET NO. 3 OF 6 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1537	06-00050-00-GS	COOK	209	6
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT CRE-9003(709)			CONTRACT NO. 63556	

SUMMARY OF QUANTITIES

SI	CODE NO.	ITEM	UNIT	QUANTITY	ROADWAY	71st STREET BRIDGE SN 016- 7721	RETAINING WALLS SN 016- 7722 THRU SN016- 7726	TRAINEES	71st STREET PUMPING STATION
					0004	0008	0040	0042	0043
	7200200	SIGN PANEL - TYPE 2	SQ FT	26	26				
	72400310	REMOVE SIGN PANEL - TYPE 1	SQ FT	48	48				
	72400320	REMOVE SIGN PANEL - TYPE 2	SQ FT	16	16				
	72400710	RELOCATE SIGN PANEL - TYPE 1	SQ FT	34	34				
	72400720	RELOCATE SIGN PANEL - TYPE 2	SQ FT	14	14				
	73400100	CONCRETE FOUNDATIONS	CU YD	10.2	0				10.2
*	78003100	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LETTERS AND SYMBOLS	SQ FT	31.0	31				
*	78003110	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 4"	FOOT	5,752	5,752				
*	78003130	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 6"	FOOT	327	327				
*	78003180	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 24"	FOOT	107	107				
*	81000700	CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL	FOOT	445	445				
*	81100600	CONDUIT ATTACHED TO STRUCTURE, 2" DIA., GALVANIZED STEEL	FOOT	360	360				
*	81101000	CONDUIT ATTACHED TO STRUCTURE, 4" DIA., GALVANIZED STEEL	FOOT	240	0	240			
*	81300530	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 10" X 6"	EACH	6	6				
*	81300730	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 16" X 14" X 6"	EACH	4	4				
*	81603050	UNIT DUCT, 600V, 3-1C NO.6, 1/C NO.8GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE	FOOT	1,625	1,625				
*	81702415	ELECTRIC CABLE IN CONDUIT, 600V(XLP-TYPE USE) 3-1/C NO. 6	FOOT	415	415				
*	81800330	AERIAL CABLE, 3-1/C NO. 6 WITH MESSENGER WIRE	FOOT	3,025	3,025				
*	81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	3,005	3,005				
*	82102250	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT	EACH	12	12				
*	82107200	UNDERPASS LUMINAIRE, 100 WATT, HIGH PRESSURE SODIUM VAPOR	EACH	6	6				
*	83057285	LIGHT POLE, WOOD, 50 FOOT, CLASS 3, WITH 15FT MAST ARM	EACH	12	12				
*	83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	80	80				
*	X8360 215	LIGHT POLE FOUNDATION, 24" DIAMETER, OFFSET	FOOT	16	16				
*	84100110	REMOVAL OF TEMPORARY LIGHTING UNIT	EACH	12	12				
*	84200500	REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	12	12				
*	84200804	REMOVAL OF POLE FOUNDATION	EACH	12	12				
*	B2005138	TREE, MALUS SPRING SNOW (SPRING SNOW CRABAPPLE), 3" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	13	13				
*	C2001636	SHRUB, CORNUS SERICEA (REDOsier DOGWOOD), 3' HEIGHT, BALLED AND BURLAPPED	EACH	50	50				
*	K1001987	IRRIGATION SYSTEM	SQ YD	952	952				
*	K1005481	SHREDDED BARK MULCH 3"	SQ YD	80	80				
*	Z0033023	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	18	18				
	X0324455	DRILLING AND SETTING SOLDIER PILES (IN SOIL)	CU FT	77,120	0		77,120		
	X0324546	MANHOLE, SPECIAL, FRAME AND LID	EACH	1	1				
	X0324634	REMOVE, STOCKPILE AND REPLACE SIGN PANEL AND SIGN PANEL ASSEMBLY (SPECIAL)	EACH	4	4				
	X0325003	REMOVE EXISTING VALVE AND VAULT	EACH	1	1				
*	X0326031	RAILROAD TRACK SHIFT ASSIST	EACH	4	4				
	X0326033	GUARD HOUSE REMOVAL AND REPLACEMENT	L SUM	1	1				
	X0326657	RELOCATE SIGN, SPECIAL	EACH	1	1				

* DENOTES SPECIALTY ITEM

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USER NAME = merrj	DESIGNED - NJH	REVISED -
PLOT SCALE = 1/8" = 1' / in.	DRAWN - NJH	REVISED -
PLOT DATE = 3/16/2011	CHECKED - TJW	REVISED -
	DATE - March 17, 2011	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1537	06-00050-00-GS	COOK	209	7
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT CRE-90031709			CONTRACT NO. 63556	

SUMMARY OF QUANTITIES

SI	CODE NO.	ITEM	UNIT	QUANTITY	ROADWAY	71st STREET BRIDGE SN 016- 7721	RETAINING WALLS SN 016- 7722 THRU SN016- 7726	TRAINEES	71st STREET PUMPING STATION
					0004	0008	0040	0042	0043
	X0326671	CONCRETE SURFACE COLOR TREATMENT	SQ FT	10,000	10,000				
*	X0329858	REMOVE AND REINSTALL LUMINAIRE	EACH	12	12				
	X0350810	BOLLARD REMOVAL	EACH	10	10				
*	X0811100	RAILROAD CROSSING	L SUM	1	1				
	X2070304	POROUS GRANULAR EMBANKMENT, SPECIAL	CU YD	545	0	545			
	X2130010	EXPLORATION TRENCH, SPECIAL	FOOT	150	150				
	X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	4	4				
	X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	3	3				
	X4400220	CURB REMOVAL AND REPLACEMENT	FOOT	251	251				
*	X5090810	PEDESTRIAN RAIL (SPECIAL)	FOOT	150	0	150			
*	X5610708	WATER MAIN REMOVAL, 8"	FOOT	10	10				
*	X5610710	WATER MAIN REMOVAL, 10"	FOOT	40	40				
*	X5610716	WATER MAIN REMOVAL, 16"	FOOT	905	905				
*	X5630008	CUT AND CAP EXISTING 8" WATER MAIN	EACH	5	5				
	X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	2	2				
	X6640200	TEMPORARY CHAIN LINK FENCE	FOOT	4,818	4,818				
	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1				
*	X8030110	LOCATING UNDERGROUND CABLE, SPECIAL	EACH	12	12				
*	X8440116	RELOCATE EXISTING LIGHTING UNIT, SPECIAL	EACH	1	1				
*	XX000679	CUT AND CAP EXISTING WATER MAIN	EACH	2	2				
*	XX002185	RELOCATE EXISTING LIGHT POLE	EACH	12	12				
*	XX003037	DUCTILE IRON FITTINGS AND ACCESSORIES	POUND	9,930	9,930				
*	XX006779	WATER SERVICE LINE 6"	FOOT	152	152				
*	XX007089	VALVE VAULT, 4' DIA., WITH 8" VALVE	EACH	1	1				
*	XX008155	WATER METER VAULT	EACH	1	1				
*	XX008406	8" x 8" TAPPING SLEEVE AND VALVE IN VALVE VAULT, TYPE A, 4 FT-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	3	3				
*	XX008407	16" x 16" TAPPING SLEEVE AND VALVE IN VALVE VAULT, TYPE A, 6 FT-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1				
*	XX008408	16" x 16" TAPPING SLEEVE AND VALVE IN VALVE VAULT, TYPE A, 6 FT-DIAMETER, SOLID FLAT TOP SLAB	EACH	1	1				
*	XX008409	DUCTILE IRON WATERMAIN, CLASS 52, POLYETHYLENE ENCASEMENT, 16"	FOOT	1,102	1,102				
*	XX008410	DUCTILE IRON WATERMAIN, CLASS 52, POLYETHYLENE ENCASEMENT, NITRILE GASKETS, 8"	FOOT	950	950				
*	XX008411	DUCTILE IRON WATERMAIN, CLASS 52, POLYETHYLENE ENCASEMENT, NITRILE GASKETS, 16"	FOOT	247	247				
*	XX008412	30" DIAMETER STEEL SLEEVE, 0.469" WALL THICKNESS, OPEN CUT	FOOT	65	65				
*	XX008413	30" DIAMETER STEEL SLEEVE, 0.469" WALL THICKNESS, AUGERED	FOOT	155	155				
*	XX008414	VALVE VAULT, 5' DIA., WITH 16" VALVE	EACH	2	2				
	XX008438	TRAFFIC CONTROL AND PROTECTION FOR TEMPORARY DETOUR	EACH	3	3				
	Z0001050	AGGREGATE SUBGRADE 12"	SQ YD	10,593	10,593				
	Z0002500	BALLAST DRAINS	FOOT	375	0	375			
	Z0004002	BOLLARDS	EACH	6	6				
	Z0007118	UNTREATED TIMBER LAGGING	SQ FT	26,064	0		26,064		

* DENOTES SPECIALTY ITEM

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USER NAME = manuj	DESIGNED - NJH	REVISED -
PLOT SCALE = 1:800' / 1"	DRAWN - NJH	REVISED -
PLOT DATE = 3/16/2011	CHECKED - TJW	REVISED -
	DATE - March 17, 2011	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NONE SHEET NO. 5 OF 6 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1537	06-00050-00-GS	COOK	209	8
CONTRACT NO. 63556				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT CRE-9003709				

SUMMARY OF QUANTITIES

SI	CODE NO.	ITEM	UNIT	QUANTITY	ROADWAY	71st STREET BRIDGE SN 016- 7721	RETAINING WALLS SN 016- 7722 THRU SN 016- 7726	TRAINEES	71st STREET PUMPING STATION
					0004	0008	0040	0042	0043
	Z0018911	DRILL AND GROUT #6 TIE BARS	EACH	52	52				
	Z0022800	FENCE REMOVAL	FOOT	1,569	1,362				207
	Z0026346	NIGHTTIME WORK ZONE LIGHTING	L SUM	1	1				
	Z0026404	FURNISHING SOLDIER PILES (W SECTION)	FOOT	7,361	0		7361		
	Z0030275	IMPACT ATTENUATORS, TEMPORARY (SEVERE USE, NARROW), TEST LEVEL 2	EACH	2	2				
	Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	379	379				
	Z0042002	POROUS GRANULAR EMBANKMENT, SUBGRADE	CU YD	100	100				
	Z0046304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	1,879	0	177	1,702		
*	Z0047700	PUMPING STATION	L SUM	1	1				
	Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1				
*	Z0048900	RAILROAD TRACK REMOVAL	FOOT	28	28				
	Z0056608	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	FOOT	231	231				
	Z0056610	STORM SEWER (WATER MAIN REQUIREMENTS) 15 INCH	FOOT	76	76				
	Z0062456	TEMPORARY PAVEMENT	SQ YD	800	800				
	Z0073002	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	450	0	450			
	Z0076600	TRAINEES	HOUR	2,000	0			2,000	
*	XX008495	STORM SEWER JACKED IN PLACE 84" (SPECIAL)	FOOT	128	128				
*	XX008497	CHECK VALVE 12"	EACH	3	0				3
*	XX008498	CARBON STEEL FORCE MAIN, 12"	FOOT	60	0				60
*	XX008499	8" VALVE IN 48" DIA. VALVE VAULT, TYPE 1 FRAME, CLOSED LID	EACH	3	3				
*	XX008500	8" VALVE IN VALVE BOX	EACH	1	1				
*	XX008501	16" VALVE IN VALVE BOX	EACH	1	1				
*	XX008502	16"X8" REDUCING TAPPING SLEEVE AND 8" DIA. GATE VALVE IN 6 FT-DIA. VALVE VAULT, TYPE 1 FRAME, CLOSED LID	EACH	1	1				
	XX008503	CONSTRUCTION OF JUMP SPANS	L SUM	1	0	1			
	XX008525	PRECAST CONCRETE BACKWALLS	CU YD	67	0	67			
*	81603598	UNIT DUCT, 600V, 6-1/C NO. 6, 1/C NO. 8 GROUND, (XLP-TYPE USE), 1 1/2" POLYETHYLENE	FOOT	1,525	1,525				
	XS500320	PRECAST TRANSITION PIPE, 36" TO 84" DIAMETER STORM SEWER	EACH	1	1				
	XS500330	PRECAST TRANSITION PIPE, 78" TO 84" DIAMETER STORM SEWER	EACH	1	1				
	XX008504	PRECAST "T" MANHOLES FOR 78" DIAMETER STORM SEWER, TYPE 1 FRAME, CLOSED LID	EACH	1	1				
	XX008505	PRECAST "T" MANHOLES FOR 84" DIAMETER STORM SEWER, TYPE 1 FRAME, CLOSED LID	EACH	3	3				

* DENOTES SPECIALTY ITEM

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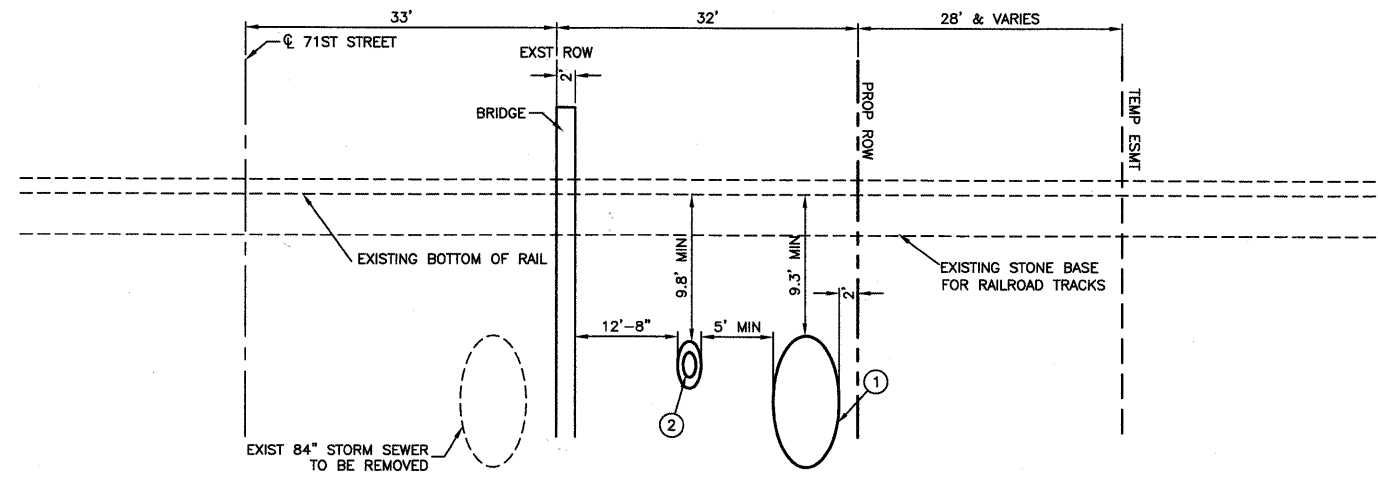
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PLT SCALE = 1:800' / 1"	DRAWN - NJH	REVISED -
PLT DATE = 3/16/2011	CHECKED - TJW	REVISED -
	DATE - March 17, 2011	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

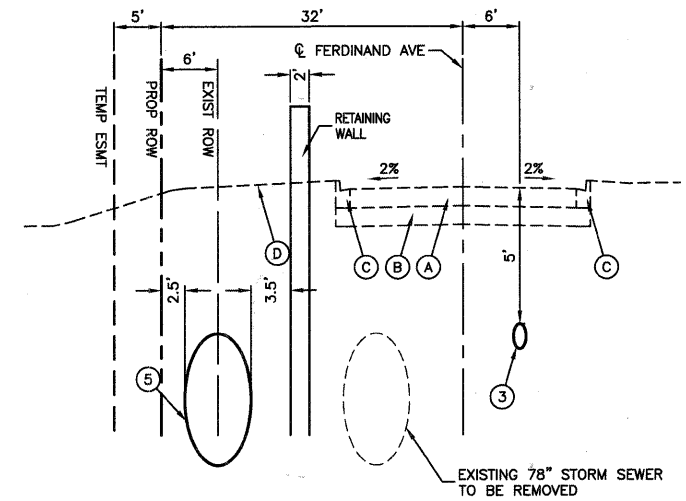
SUMMARY OF QUANTITIES

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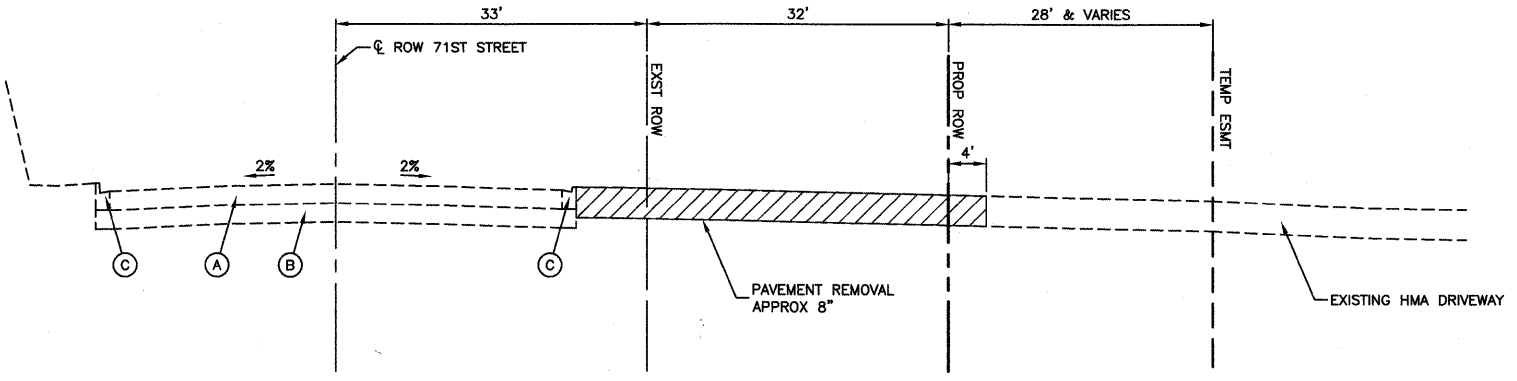
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1537	06-00050-00-GS	COOK	209	9
CONTRACT NO. 63556				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT CRE-900317091				



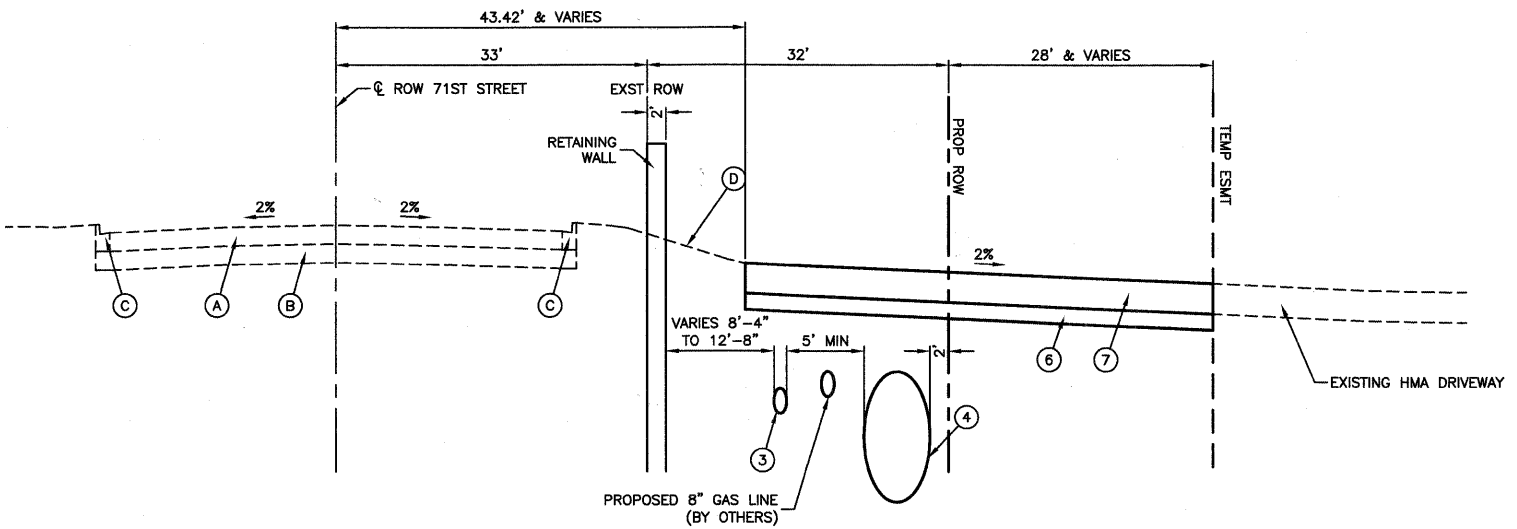
PROPOSED TYPICAL SECTION
 71ST STREET AT CSX / IHB RAILROAD CROSSING (LOOKING EAST)
 STA 23+06.6 TO STA 23+72.6



PROPOSED TYPICAL SECTION
 FERDINAND AVENUE
 LOOKING NORTH
 STA 57+39 TO STA 59+50



EXISTING TYPICAL SECTION
 71ST STREET
 STA 16+00 TO 25+25

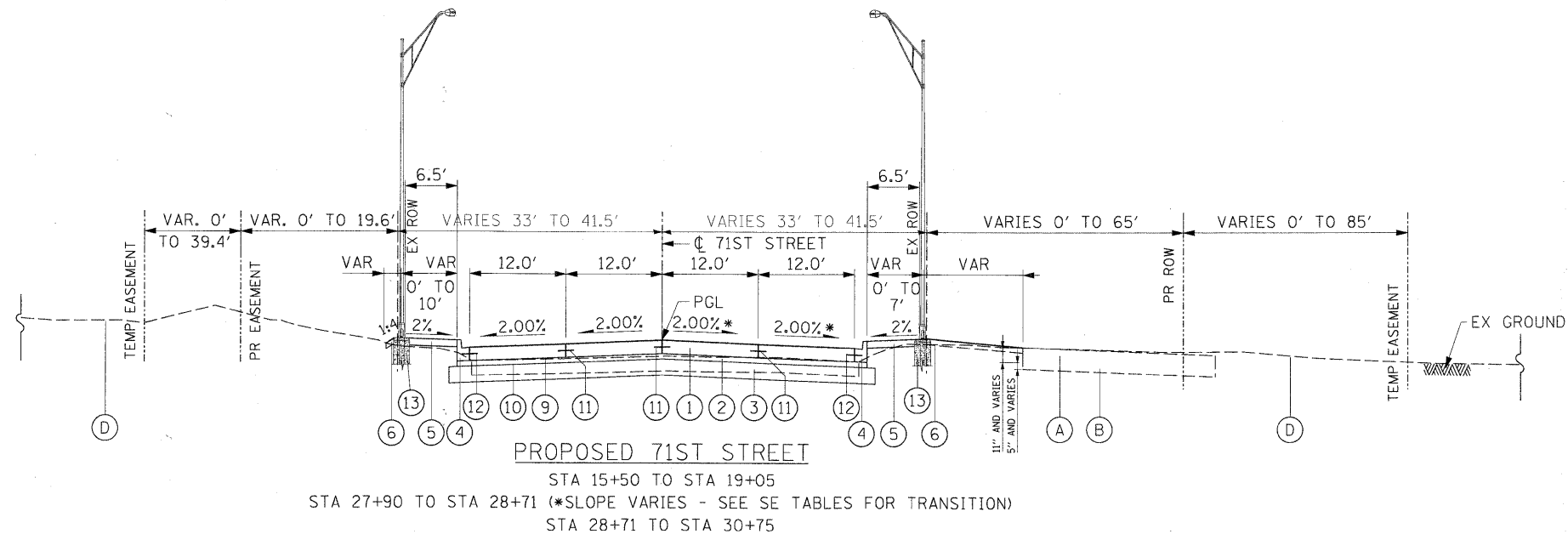


PROPOSED TYPICAL SECTION
 71ST STREET
 STA 16+00 TO 23+06.6
 AND
 STA 23+72.6 TO 29+50

LEGEND

- (A) EXISTING PAVEMENT ($\pm 10''$ CONCRETE - 71ST STREET ; HMA FERDINAND)
- (B) GRAVEL OR CRUSHED STONE BASE
- (C) COMBINATION CURB & GUTTER
- (D) EXISTING GROUND LINE
- (1) PROPOSED STORM SEWER, JACKED IN PLACE, 84"
- (2) PROPOSED 30" STEEL SLEEVES - AUGURED AND DUCTILE IRON PIPE CLASS 52, 16"
- (3) PROPOSED DUCTILE IRON PIPE CLASS 52 WITH POLYETHYLENE ENCASEMENT WITH OR WITHOUT NITRILE GASKET
- (4) PROPOSED STORM SEWER, CLASS A, TYPE 2, 84"
- (5) PROPOSED STORM SEWER, CLASS A, TYPE 2, 78"
- (6) PROPOSED SUB-BASE GRANULAR MATERIAL, TYPE B, 4"
- (7) PROPOSED HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 12"

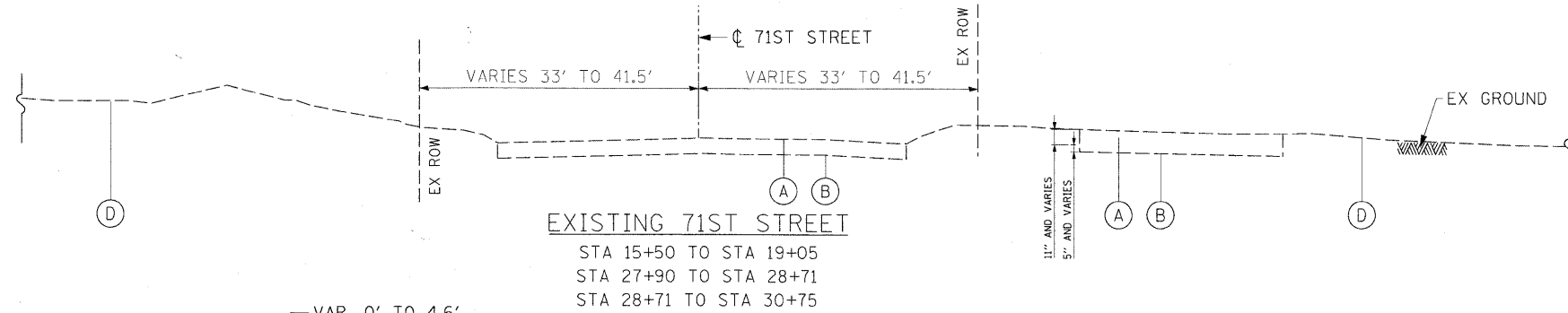
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	PLOT SCALE =	CHECKED - PKB	REVISED -		TYPICAL SECTIONS			1537	06-00050-00-GS	COOK	209	10	
	PLOT DATE = 12/23/10	DRAWN - RJW	REVISED -		SCALE: NONE	SHEET NO. 10	OF 209 SHEETS	STA.	TO STA.	CONTRACT NO. 63556			
		CHECKED - AG	REVISED -		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT CRE-9003(709)								



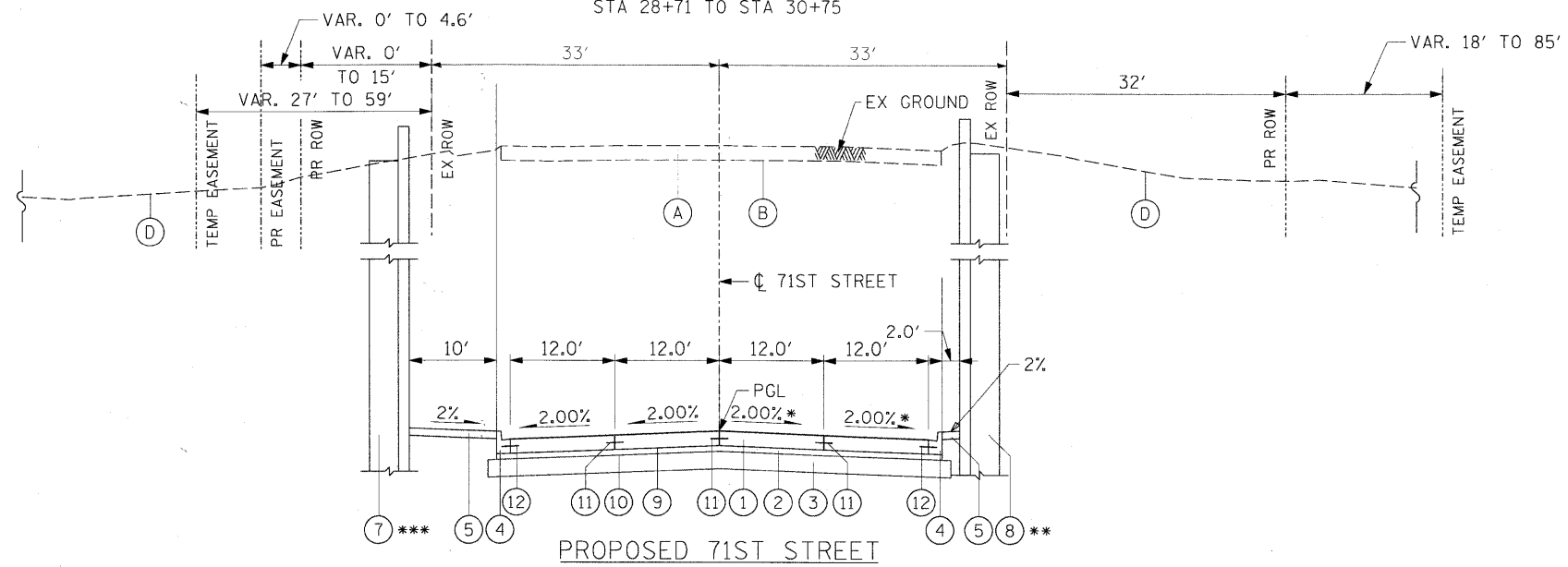
PROPOSED 71ST STREET
 STA 15+50 TO STA 19+05
 STA 27+90 TO STA 28+71 (*SLOPE VARIES - SEE SE TABLES FOR TRANSITION)
 STA 28+71 TO STA 30+75

NOTES:

- SEE SHEET 2 FOR 71ST STREET PAVEMENT STRUCTURAL INFORMATION.
- THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURES IS 112 LBS/SQYD/IN. THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 70-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR "PERCENT OF RAP" SEE DISTRICT ONE SPECIAL PROVISIONS.



EXISTING 71ST STREET
 STA 15+50 TO STA 19+05
 STA 27+90 TO STA 28+71
 STA 28+71 TO STA 30+75



PROPOSED 71ST STREET
 STA 19+05 TO STA 24+60

** RW SN 016-7723 FROM STA 19+35.00 TO STA 23+05.90, RW SN 016-7725 FROM STA 23+73.90 TO STA 26+47.29 & RW SN 016-7726 FROM STA 27+30.63 TO STA 27+62.00
 *** RW SN 016-7722 FROM STA 19+05.00 TO STA 23+05.90 & RW SN 016-7724 FROM STA 23+73.90 TO STA 27+90.00

PROPOSED LEGEND:

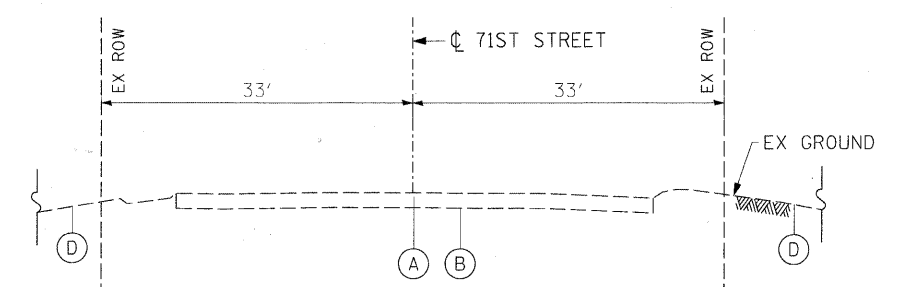
- PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED) - (15' JOINT SPACING)
- STABILIZED SUBBASE - HOT-MIX ASPHALT, 4 1/2"
- AGGREGATE SUBGRADE 12"
- COMBINATION CURB AND GUTTER TYPE B-6.12
- PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
- TOPSOIL AND SODDING (SEE LANDSCAPING PLANS)
- RETAINING WALL - SN 016-7722 OR SN 016-7724
- RETAINING WALL - SN 016-7721 OR SN 016-7725 OR SN 016-7726
- BITUMINOUS MATERIALS (PRIME COAT)
- AGGREGATE (PRIME COAT)
- *6 TIE BARS, 30" LONG AT 30" C-C (IF LONGITUDINAL SAWED JOINT) / *6 TIE BARS, 24" LONG AT 24" C-C (IF LONGITUDINAL CONSTRUCTION JOINT) (INCLUDED IN PRICE FOR BID FOR VARIOUS PCC ITEMS)
- *6 TIE BARS, 24" LONG AT 24" C-C (INCLUDED IN PRICE FOR BID FOR VARIOUS PCC ITEMS)
- PROPOSED LIGHTING UNIT

EXISTING LEGEND:

- EXISTING PAVEMENT (+10" CONCRETE - 71ST STREET; HMA FERDINAND)
- GRAVEL OR CRUSHED STONE BASE
- COMBINATION CURB & GUTTER
- EXISTING GROUND LINE

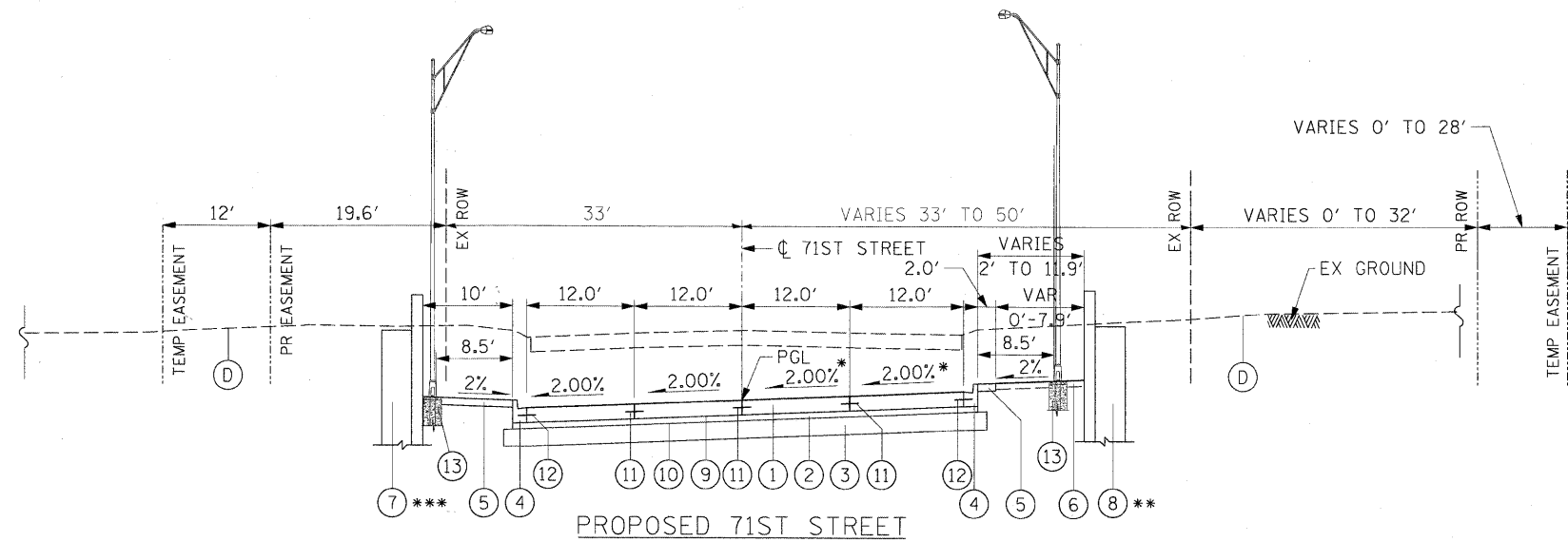
HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE TYPE	AIR Voids @ Ndes
SUBBASE:	
STABILIZED SUBBASE HMA, BAM, 4 1/2"	2% @ 30 Gyr
TEMPORARY PAVEMENT:	
HMA SURFACE COURSE, MIX "D", N50 (IL 9.5 mm); 1.5"	4% @ 50 Gyr
TEMP PAVEMENT (HMA BINDER IL-19 mm); 6" (IN 2 LIFTS)	4% @ 50 Gyr
DRIVEWAYS:	
HMA SURFACE COURSE, MIX C, N50 (IL-9.5 mm); 2"	4% @ 50 Gyr
HMA BASE COURSE, (HMA BINDER IL-19 mm); 6" (IN 2 LIFTS)	4% @ 50 Gyr
PATCHING:	
CLASS D PATCHES (HMA BINDER IL-19 mm); 10" (IN 3 LIFTS)	4% @ 70 Gyr
FULL DEPTH PAVEMENT:	
HMA SURFACE COURSE, MIX C, N50 (IL-9.5 mm); 2"	4% @ 50 Gyr
HMA BINDER COURSE, IL-19.0, N50; 10" (IN 3 LIFTS)	4% @ 50 Gyr
PAVEMENT RESURFACING:	
HOT-MIX ASPHALT SURFACE COURSE, MIX D, N50 (IL 9.5mm); 2"	4% @ 50 Gyr



EXISTING 71ST STREET
 STA 19+05 TO STA 24+60

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PROPOSED 71ST STREET

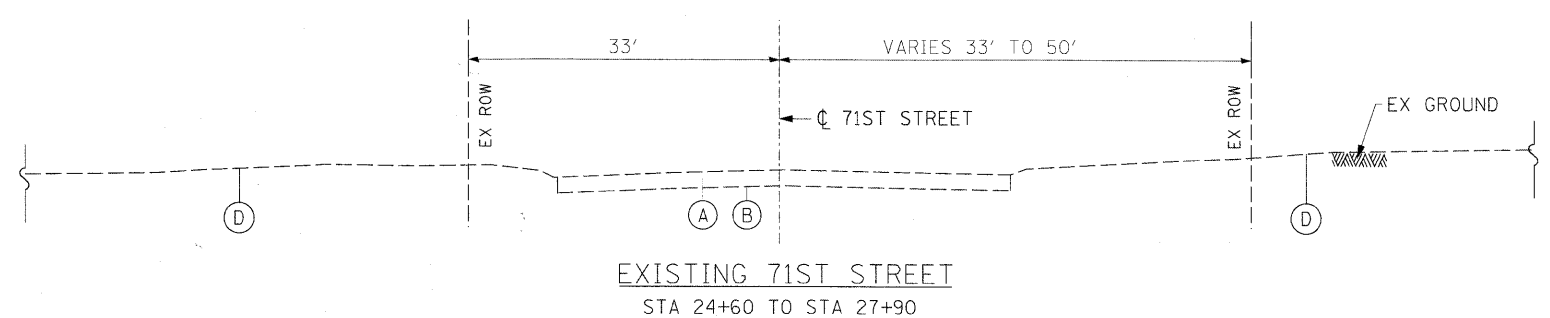
STA 24+60 TO STA 27+75
 STA 25+04 TO STA 26+00 (*SLOPE VARIES - SEE SE TABLES FOR TRANSITION)
 STA 27+75 TO STA 27+90 (*SLOPE VARIES - SEE SE TABLES FOR TRANSITION)
 ** RW SN 016-7725 FROM STA 23+73.90 TO STA 26+47.29 & RW SN 016-7726 FROM STA 27+30.63 TO STA 27+62.00
 *** RW SN 016-7724 FROM STA 23+73.90 TO STA 27+90.00

PROPOSED LEGEND:

- ① PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED) - (15' JOINT SPACING)
- ② STABILIZED SUBBASE - HOT-MIX ASPHALT, 4 1/2"
- ③ AGGREGATE SUBGRADE 12"
- ④ COMBINATION CURB AND GUTTER TYPE B-6.12
- ⑤ PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
- ⑥ TOPSOIL AND SODDING (SEE LANDSCAPING PLANS)
- ⑦ RETAINING WALL - SN 016-7722 OR SN 016-7724
- ⑧ RETAINING WALL - SN 016-7721 OR SN 016-7725 OR SN 016-7726
- ⑨ BITUMINOUS MATERIALS (PRIME COAT)
- ⑩ AGGREGATE (PRIME COAT)
- ⑪ #6 TIE BARS, 30" LONG AT 30" C-C (IF LONGITUDINAL SAWED JOINT) / #6 TIE BARS, 24" LONG AT 24" C-C (IF LONGITUDINAL CONSTRUCTION JOINT) (INCLUDED IN PRICE FOR BID FOR VARIOUS PCC ITEMS)
- ⑫ #6 TIE BARS, 24" LONG AT 24" C-C (INCLUDED IN PRICE FOR BID FOR VARIOUS PCC ITEMS)
- ⑬ PROPOSED LIGHTING UNIT

EXISTING LEGEND:

- Ⓐ EXISTING PAVEMENT (+10" CONCRETE - 71ST STREET; HMA FERDINAND)
- Ⓑ GRAVEL OR CRUSHED STONE BASE
- Ⓒ COMBINATION CURB & GUTTER
- Ⓓ EXISTING GROUND LINE

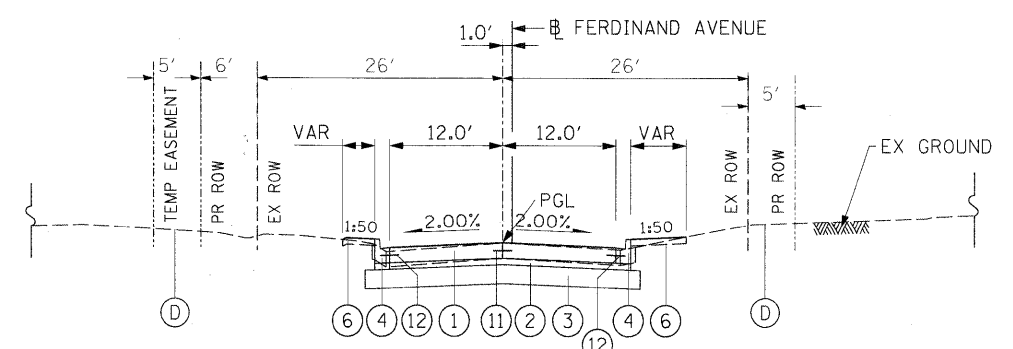


EXISTING 71ST STREET

STA 24+60 TO STA 27+90

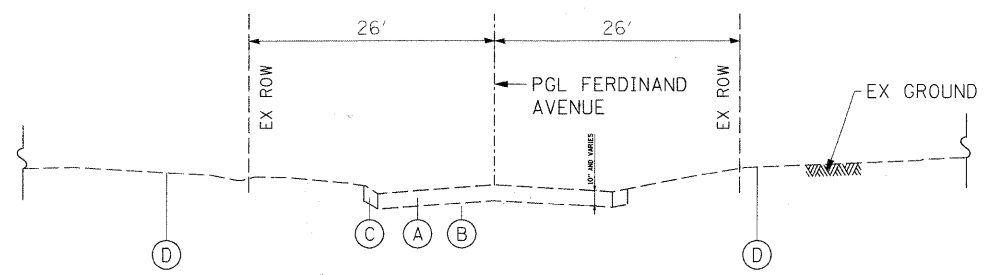
STRUCTURAL DESIGN TRAFFIC:		YEAR	2030
PV=	5,040	SU=	659
		MU=	237
ROAD/STREET CLASSIFICATION:		CLASS I	
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:			
P=	84.9%	S=	11.1%
		M=	4.0%
TRAFFIC FACTOR:		ACTUAL TF=	2.35
		AC TYPE=	20
		MINIMUM TF=	NA
PG GRADE:	BINDER=	NA	SURFACE=
		NA	
SUBGRADE SUPPORT RATING		SSR=	FAIR

71ST STREET



PROPOSED FERDINAND AVENUE

STA 57+08.73 TO STA 58+65.00



EXISTING FERDINAND AVENUE

STA 57+08.73 TO STA 58+65.00

TYPICAL SECTIONS

SCALE: 1"=10' SHEET NO. 2 OF 3 SHEETS STA. 17+08.73 TO STA. 19+76.00

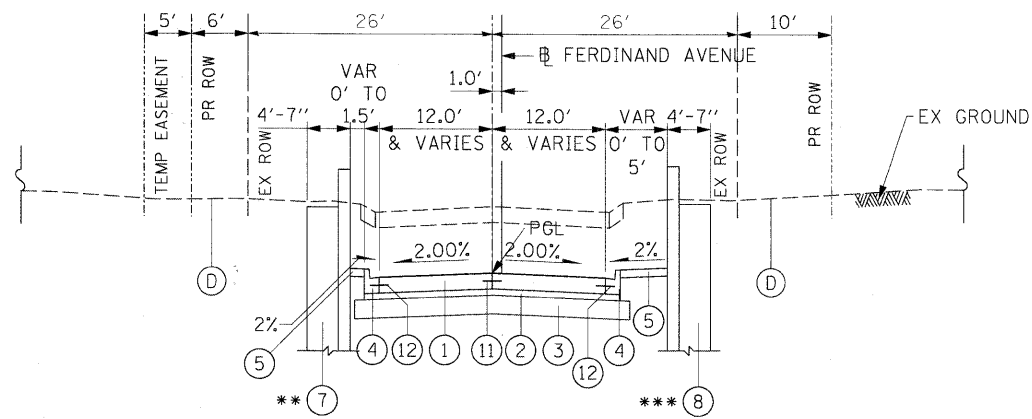
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1537	06-00050-00-GS	COOK	209	12
CONTRACT NO. 63556				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT CRE-9003(709)				



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PLOT SCALE = 10.000' / in.	DRAWN = JWM	REVISED =
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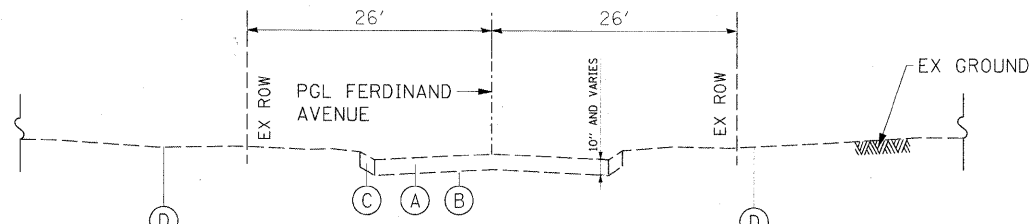
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

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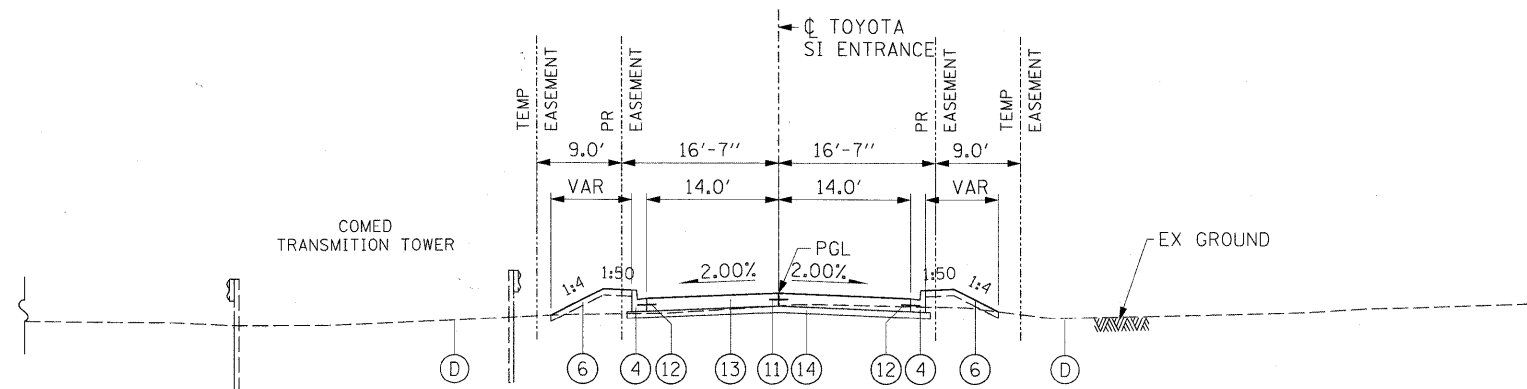
PROPOSED FERDINAND AVENUE

STA 58+65.00 TO STA 59+06.28
 STA 59+06.28 TO STA 59+23.74
 STA 59+23.74 TO STA 59+76.00
 **RW SN 016-7725 FROM STA 58+65.00 TO STA 59+62.97
 ***RW SN 016-7726 FROM STA 58+65.00 TO STA 59+65.00



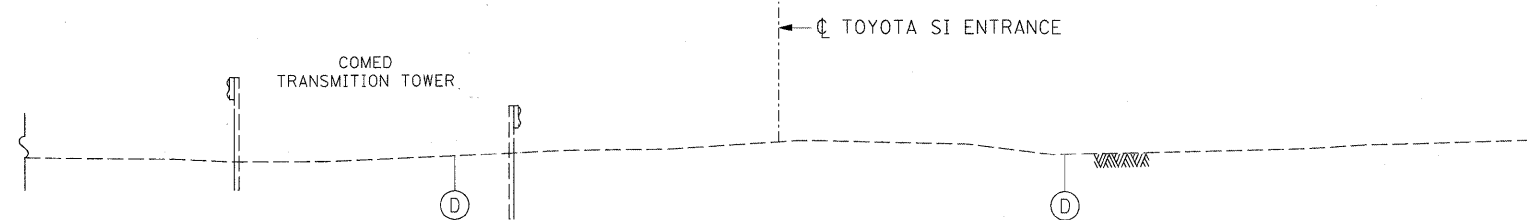
EXISTING FERDINAND AVENUE

STA 58+65.00 TO STA 59+06.28
 STA 59+06.28 TO STA 59+23.74
 STA 59+23.74 TO STA 59+76.00



PROPOSED TOYOTA SI ENTRANCE

STA 50+24.00 (71ST ST EOP) TO STA 50+79.72
 STA 50+79.72 TO STA 51+00.00
 STA 51+00.00 TO STA 54+01.98



EXISTING TOYOTA SI ENTRANCE

STA 50+24.00 (71ST ST EOP) TO STA 54+01.98

PROPOSED LEGEND:

- ① PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED) - (15' JOINT SPACING)
- ② STABILIZED SUBBASE - HOT-MIX ASPHALT, 4 1/2"
- ③ AGGREGATE SUBGRADE 12"
- ④ COMBINATION CURB AND GUTTER TYPE B-6.12
- ⑤ PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
- ⑥ TOPSOIL AND SODDING (SEE LANDSCAPING PLANS)
- ⑦ RETAINING WALL - SN 016-7722 OR SN 016-7724
- ⑧ RETAINING WALL - SN 016-7721 OR SN 016-7725 OR SN 016-7726
- ⑨ BITUMINOUS MATERIALS (PRIME COAT)
- ⑩ AGGREGATE (PRIME COAT)
- ⑪ #6 TIE BARS, 30" LONG AT 30" C-C (IF LONGITUDINAL SAWED JOINT) / #6 TIE BARS, 24" LONG AT 24" C-C (IF LONGITUDINAL CONSTRUCTION JOINT) (INCLUDED IN PRICE FOR BID FOR VARIOUS PCC ITEMS)
- ⑫ #6 TIE BARS, 24" LONG AT 24" C-C (INCLUDED IN PRICE FOR BID FOR VARIOUS PCC ITEMS)
- ⑬ PORTLAND CEMENT CONCRETE PAVEMENT 8"
- ⑭ AGGREGATE BASE COURSE, TYPE B 4"

EXISTING LEGEND:

- Ⓐ EXISTING PAVEMENT (+-10" CONCRETE - 71ST STREET; HMA FERDINAND)
- Ⓑ GRAVEL OR CRUSHED STONE BASE
- Ⓒ COMBINATION CURB & GUTTER
- Ⓓ EXISTING GROUND LINE

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PLOT DATE = 2/17/2011	CHECKED - TJW	REVISED -
DATE - FEBRUARY 17, 2011	REVISED -	

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1537	06-00050-00-GS	COOK	209	13
SCALE: 1"=10'			SHEET NO. 3 OF 3 SHEETS	
STA. 17+08.73 TO STA. 19+76.00			CONTRACT NO. 63556	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT CRE-9003709				

ROADWAY REMOVALS SCHEDULE

	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	TREE REMOVAL (OVER 15 UNITS DIAMETER)	PAVEMENT REMOVAL	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	DRIVEWAY PAVEMENT REMOVAL	COMBINATION CURB AND GUTTER REMOVAL	SIDEWALK REMOVAL	MEDIAN REMOVAL	BOLLARD REMOVAL	FENCE REMOVAL
SHEET	UNIT	UNIT	SQ YD	SQ YD	SQ YD	FOOT	SQ FT	SQ FT	EACH	FOOT
Pay Item	20100110	20100210	44000100	44000157	44000200	44000500	44000600	44003100	X0350810	Z0022800
PLAN-1	35	18	6,007	4,080	2,076	2,108	3,223	194	4	424
PLAN-2	68	0	4,031	0	1,223	1,642	7,745	0	0	433
Utility Relocation	40	0	3,303	0	210	0	950	0	0	712
TOTAL	143	18	13,341	4,080	3,509	3,750	11,918	194	4	1,569

EARTHWORK SCHEDULE

ROADWAY	EARTH EXCAVATION	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE *	EMBANKMENT	FURNISHED EXCAVATION
	CU YD	CU YD	CU YD	CU YD
71ST STREET	27,292	23,199	148	N/A
FERDINAND AVENUE	1,081	919	0	N/A
DETENTION POND	12,206	10,376	0	N/A
TOYOTA PARK S1 ENTRANCE	654	556	37	N/A
PEPSICO	748	636	1	N/A
TOTALS	41,981	35,686	186	N/A

* THE SHRINKAGE FACTOR USED IS 15%.

PROPOSED ROADWAY SCHEDULE

SHEET	SUBBASE GRANULAR MATERIAL, TYPE B, 4"	STABILIZED SUBBASE - HOT-MIX ASPHALT, 4 1/2"	BITUMINOUS MATERIALS (PRIME COAT)	AGGREGATE PRIME COAT	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 - 2-1/4"	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 1-1/2"	PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED)	PROTECTIVE COAT	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	DETECTABLE WARNINGS	CLASS C PATCHES, TYPE IV, 10 INCH	REINFORCEMENT BARS, EPOXY COATED
PAY ITEM	SQ YD	SQ YD	GAL	TON	SQ YD	TON	TON	SQ YD	SQ YD	TON	SQ FT	SQ FT	SQ YD	SQ YD
ROADWAY-1	3,957	5,401	962	4	8	2	457	5,067	9,711	2,954	9,025	24	171	0
ROADWAY-2	2,725	4,367	437	3	0	0	0	4,082	39,822	1,856	5,694	92	0	62
Utility Relocation	2,978	0	678	24	40	47	0	0	0	664	195	0	0	0
TOTALS	9,660	9,768	2,077	31	48	49	457	9,149	49,533	5,474	14,914	116	171	62

SHEET	CONCRETE CURB, TYPE B	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	CONCRETE MEDIAN, TYPE SB-6.06	CHAIN LINK FENCE, 6'	CHAIN LINK GATES, 6' X 12' DOUBLE	CHAIN LINK GATES, 6' X 18' DOUBLE	SIGN PANEL - TYPE 1	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 4"	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 24"	AGGREGATE SUBGRADE 12"	BOLLARDS	DRILL AND GROUT #6 TIE BARS	TEMPORARY PAVEMENT
PAY ITEM	FOOT	FOOT	SQ FT	FOOT	EACH	EACH	SQ FT	FOOT	FOOT	SQ YD	SQ YD	EACH	SQ YD
ROADWAY-1	194	2,870	182	476	0	1	61	100	24	5,825	6	26	800
ROADWAY-2	406	2,430	0	438	1	0	42	0	0	4,768	0	26	0
Utility Relocation	20	0	0	0	0	0	0	0	0	0	0	0	0
TOTALS	620	5,300	182	914	1	1	103	100	24	10,593	6	52	800

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USER NAME = marnj	DESIGNED - NJH	REVISED -
PLOT SCALE = 1:800' / 1"	DRAWN - NJH	REVISED -
PLOT DATE = 2/17/2011	CHECKED - TJW	REVISED -
	DATE - FEBRUARY 17, 2011	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

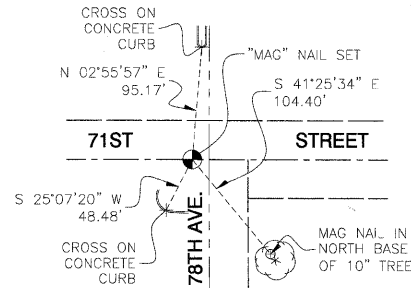
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1537	06-00050-00-GS	COOK	209	14
CONTRACT NO. 63556				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT CRE-900317091				

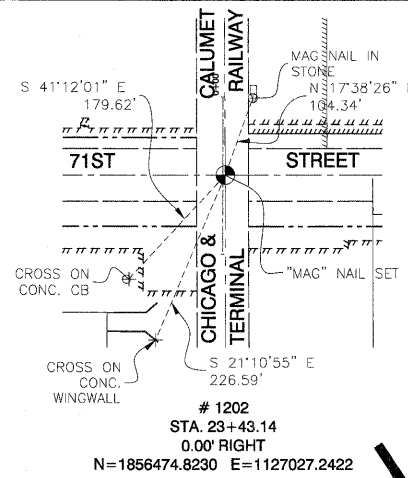
SECTION 24, TOWNSHIP 38 N, RANGE 12 E
SECTION 25, TOWNSHIP 38 N, RANGE 12 E
3rd PRINCIPAL MERIDIAN

NOTES:

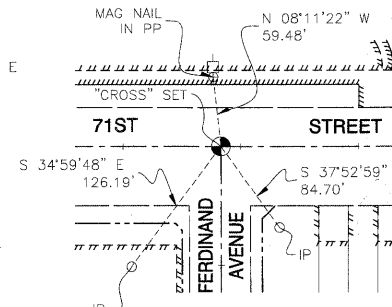
- SEE RIGHT OF WAY PLANS / PLAT OF HIGHWAYS FOR FURTHER INFORMATION.



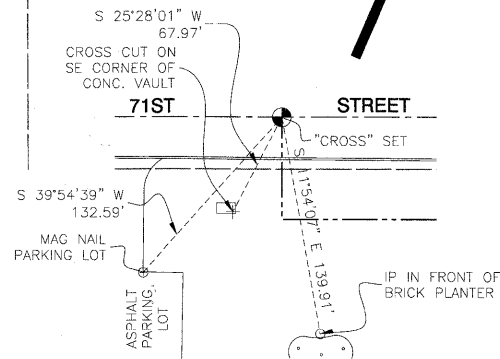
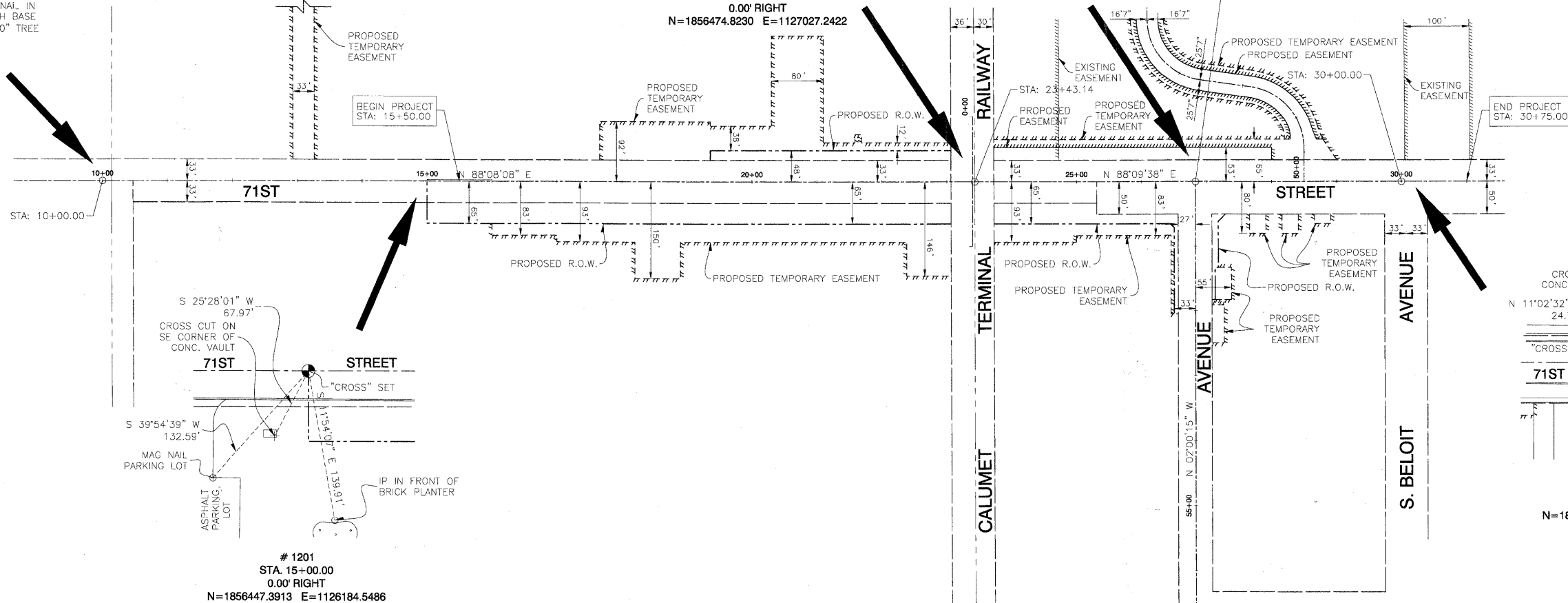
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STA. 10+00.00
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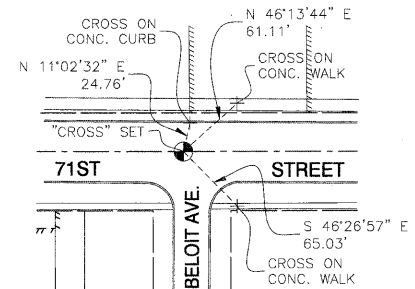
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STA. 23+43.14
0.00' RIGHT
N=1856474.8230 E=1127027.2422



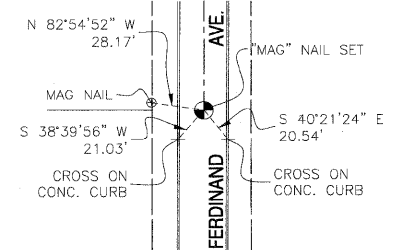
1206
STA. 26+83.06 (71ST ST)
STA. 60+00.00 (FERDINAND AVE)
0.00' RIGHT
N=1856485.7335 E=1127366.9829



1201
STA. 15+00.00
0.00' RIGHT
N=1856447.3913 E=1126184.5486



1203
STA. 30+00.00
0.00' RIGHT
N=1856495.9067 E=1127683.7638



1204
STA. 50+00.00 (FERDINAND AVE)
0.00' RIGHT
N=1855486.3453 E=1127401.9575

COORDINATE SYSTEM DEFINITION:

North American Datum Of 1983 adjustment of 2007 (N.A.D. '83 (2007)) Illinois State Plane Eastern Zone estimated GROUND coordinates based upon an average location for the length of the project having the following parameters:

WCS '84 North Latitude 41 degrees 46 minutes 8.73097 seconds
WCS '84 West Longitude 87 degrees 48 minutes 28.00543 seconds
WCS '84 Height 507.32313 feet
Orthometric Height 616.77 feet (estimated utilizing Geoid '03)

Utilization of these parameters should yield a ground scale factor of 1.0000257189

BEARING REFERENCE DEFINITION:

North American Datum Of 1983 adjustment of 2007 (N.A.D. '83 (2007)) Illinois State Plane Eastern Zone

BENCH MARK: BVW249

SQUARE CUT ON N CONC BASE OF RR SIGNAL MAST ARM BASE ON S ROW OF 71ST STREET 1/2 MILE WEST OF HARLEM AVENUE ELEVATION=620.57



USER NAME = manny	DESIGNED - NJH	REVISED -
PLOT SCALE = 1,000' / 1" =	DRAWN - NJH	REVISED -
PLOT DATE = 2/17/2011	CHECKED - TJW	REVISED -
	DATE - FEBRUARY 17, 2011	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES AND BENCHMARKS

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

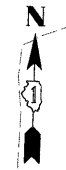
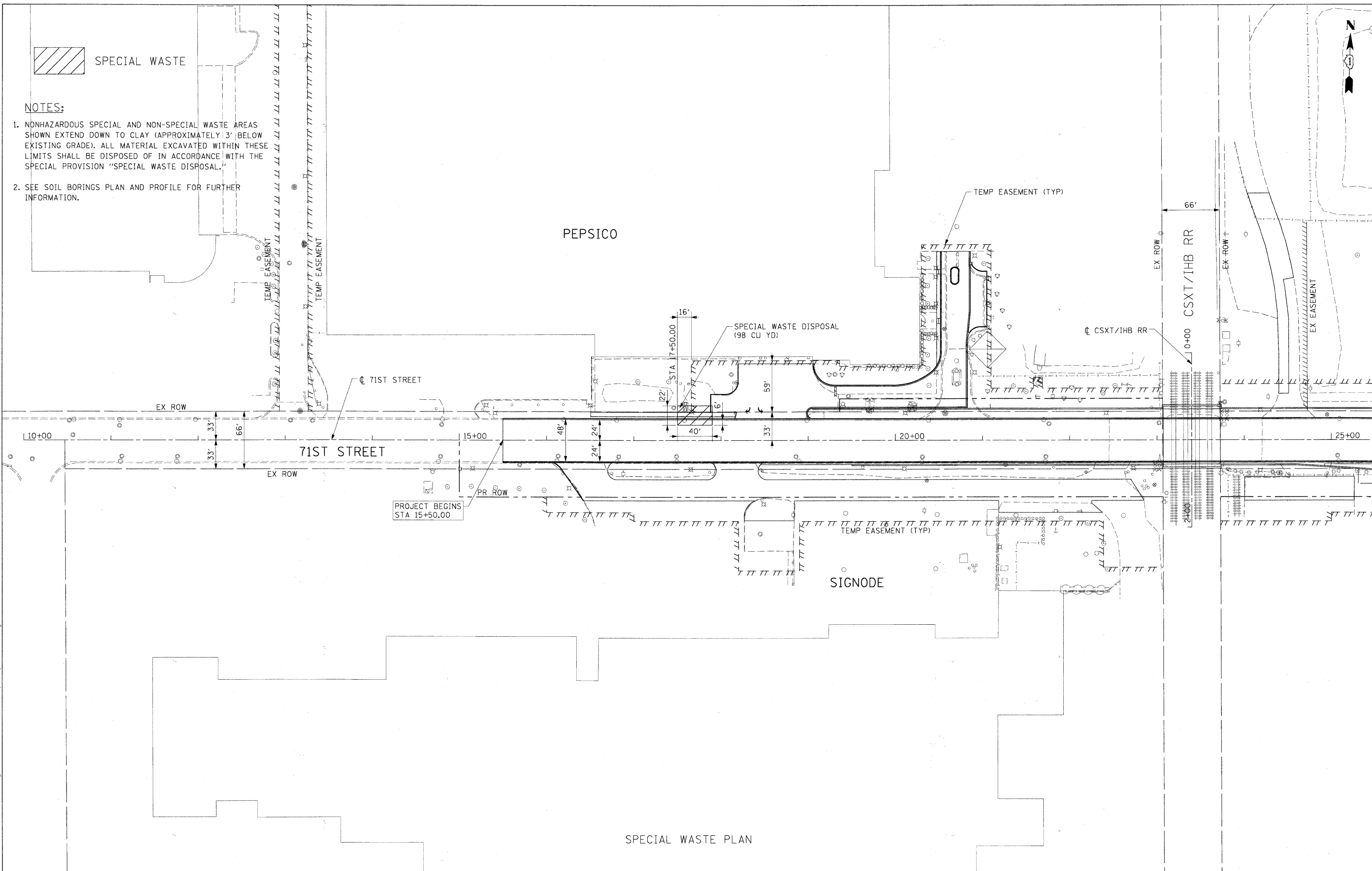
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1537	06-00050-00-GS	COOK	209	17
CONTRACT NO. 63556				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT CRE-9003(709)				



NOTES:

1. NONHAZARDOUS SPECIAL AND NON-SPECIAL WASTE AREAS SHOWN EXTEND DOWN TO CLAY (APPROXIMATELY 3' BELOW EXISTING GRADE). ALL MATERIAL EXCAVATED WITHIN THESE LIMITS SHALL BE DISPOSED OF IN ACCORDANCE WITH THE SPECIAL PROVISION "SPECIAL WASTE DISPOSAL."
2. SEE SOIL BORINGS PLAN AND PROFILE FOR FURTHER INFORMATION.

PEPSICO



FILE NAME = P:\60155877\002_CAD\001_Drawing\Sheets\Civil\60155877-011.plt:plan:spw01.dgn



USER NAME = manj	DESIGNED - NJH	REVISED -
PLOT SCALE = 50.000' / 1"	DRAWN - NJH	REVISED -
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DATE - FEBRUARY 17, 2011	REVISIONS	REVISED -

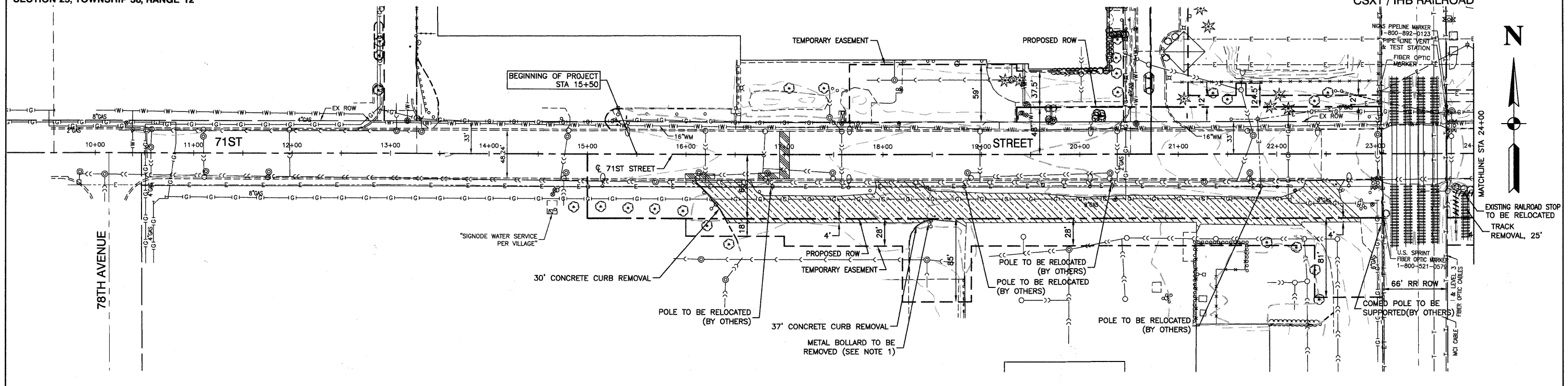
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SPECIAL WASTE PLAN

SCALE: 1"=50' SHEET NO. 1 OF 1 SHEETS STA 15+50.00 TO STA 25+00.00

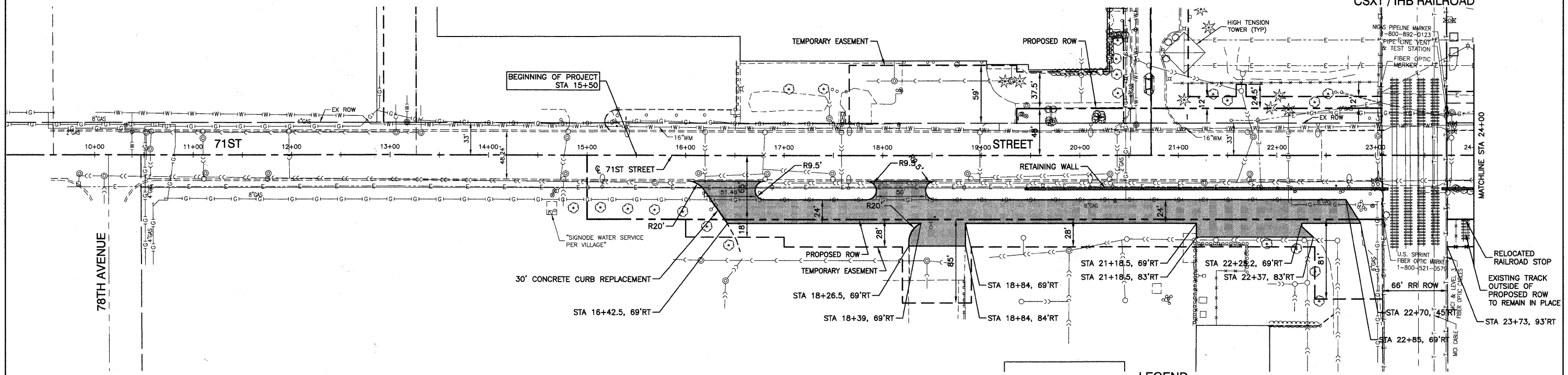
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1537	06-00050-00-GS	COOK	209	18
CONTRACT NO. 63556			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT CRE-9003(709)	

SECTION 24, TOWNSHIP 38, RANGE 12
SECTION 25, TOWNSHIP 38, RANGE 12



- NOTES:
- CONTRACTOR MUST MAINTAIN ACCESS TO PROPERTIES AT ALL TIMES.

EXISTING CONDITIONS



- LEGEND
- DRIVEWAY PAVEMENT REMOVAL
 - PAVEMENT REMOVAL
 - PAVEMENT PATCHING
 - TREE REMOVAL
 - SUB-BASE GRANULAR MATERIAL TYPE B, 4" AND HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 12"
 - HOT-MIX ASPHALT DRIVEWAY PAVEMENT; 6"
 - HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50(L-9.5mm); 2"
 - HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50; 4"

BENCH MARK: BW249
SQUARE CUT ON N CONC BASE OF RR SIGNAL
MAST ARM BASE ON S ROW OF 71ST STREET
1/4 MILE WEST OF HARLEM AVENUE
ELEVATION=620.57

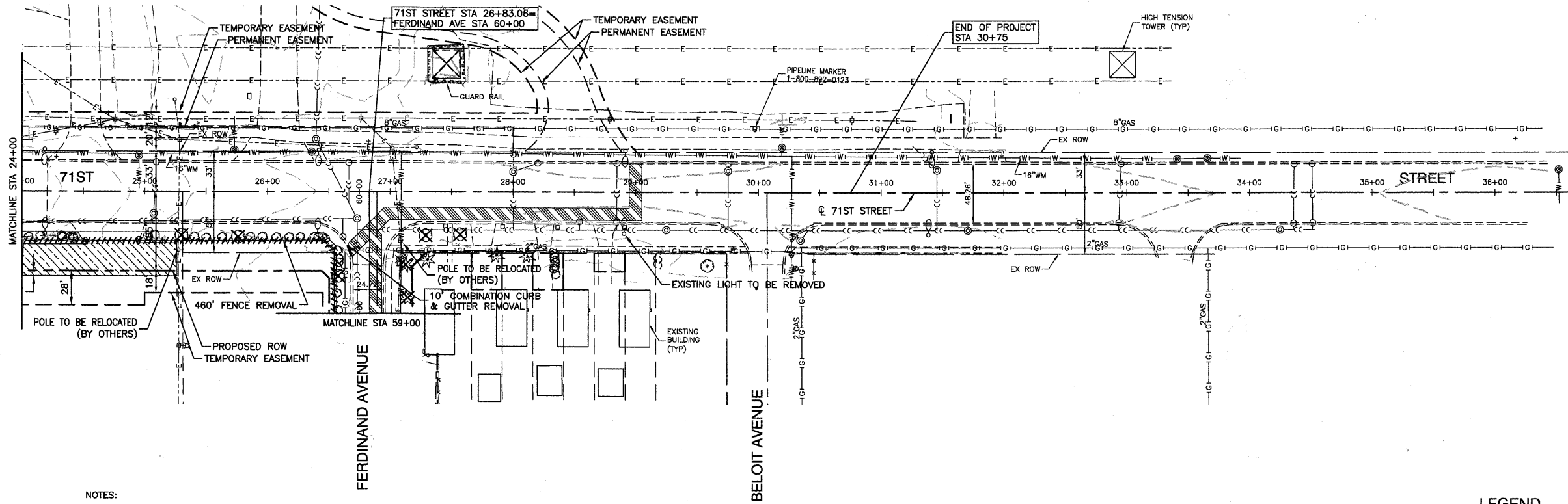
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		DRAWN -- PS	REVISED --		SCALE: 1"=50'		SHEET NO. 19 OF 209 SHEETS		STA. 15+50 TO STA. 24+00		CONTRACT NO. 63556	
		CHECKED -- AG	REVISED --		PLOT DATE = 12/23/10		FED. ROAD DIST. NO. 1		ILLINOIS		FED. AID PROJECT CRE-9003(709)	

BT DRAWN BY: RICHARD GONZALEZ ON 1/14/11
CHECKED BY: RICHARD GONZALEZ ON 2/26/11

SECTION 24, TOWNSHIP 38, RANGE 12
SECTION 25, TOWNSHIP 38, RANGE 12



PLAN	SURVEYED	DATE
NOTE BOOK	ALIGNED	
NO.	RT. OF WAY CHECKED	
	GOOD FILE NAME	

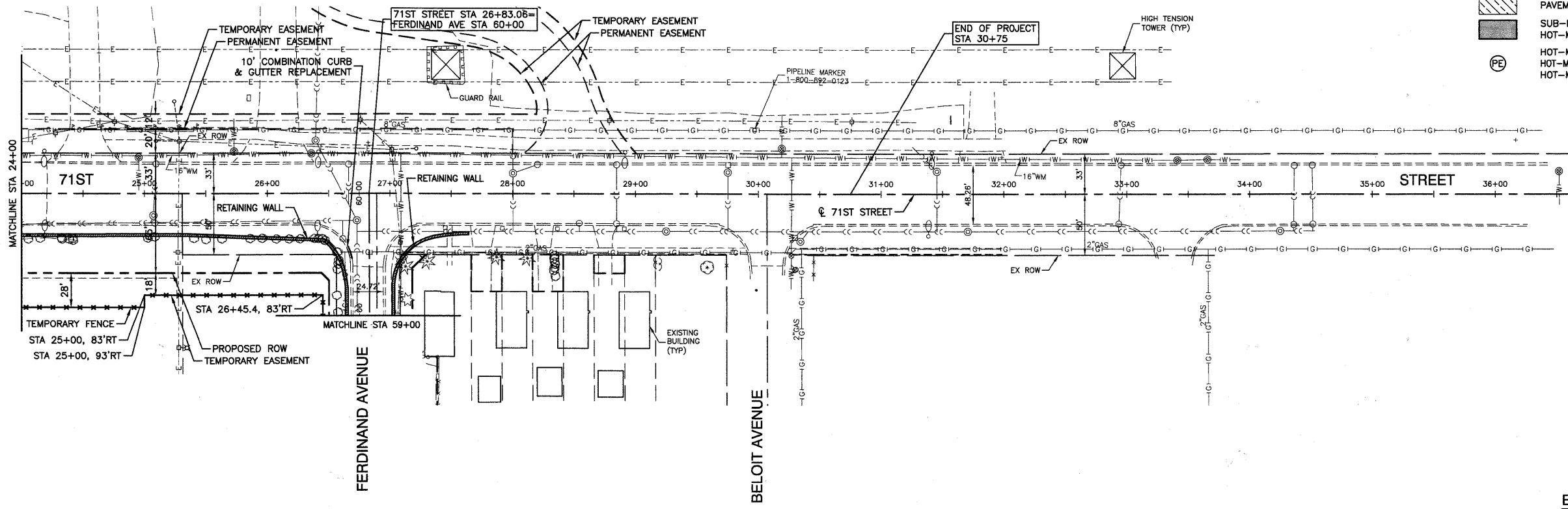


- NOTES:
- CONTRACTOR MUST MAINTAIN ACCESS TO PROPERTIES AT ALL TIMES.

LEGEND

	DRIVEWAY PAVEMENT REMOVAL
	CONCRETE SIDEWALK REMOVAL
	PAVEMENT PATCHING
	PAVEMENT REMOVAL
	SUB-BASE GRANULAR MATERIAL TYPE B, 4" AND HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 12"
	HOT-MIX ASPHALT DRIVEWAY PAVEMENT; 6" HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50(L-9.5mm); 2" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50; 4"

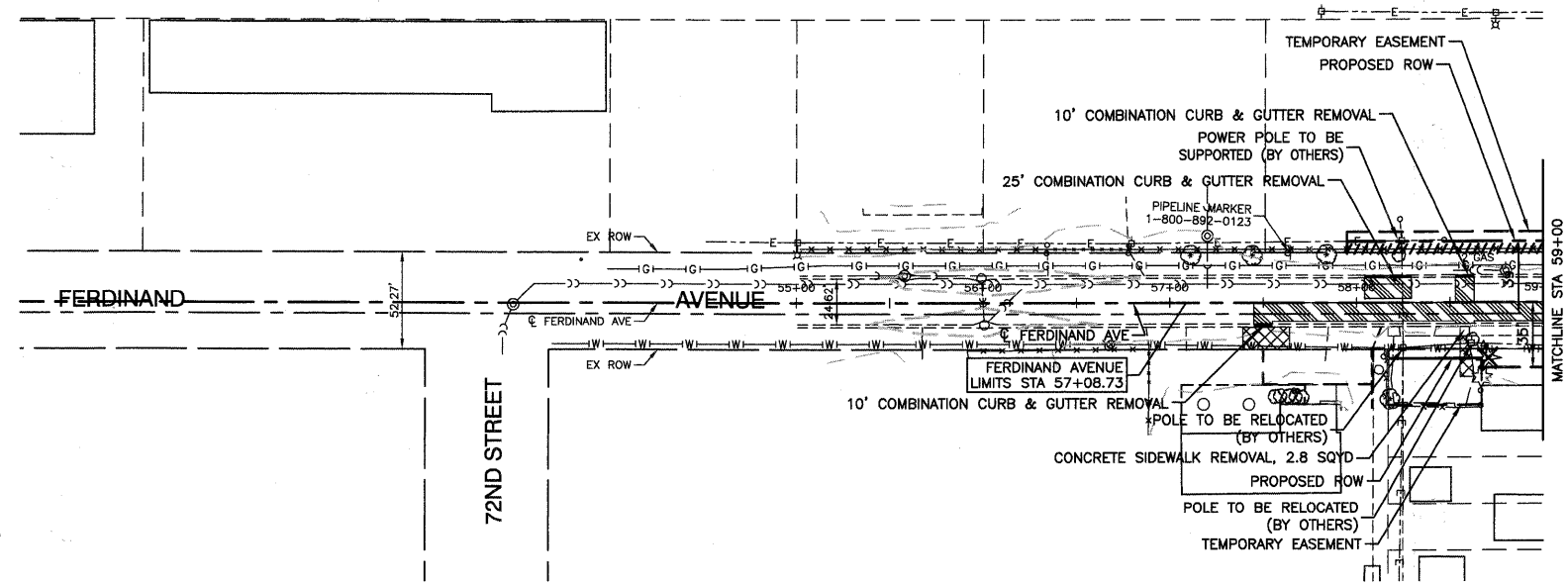
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NOTE BOOK	GRADES CHECKED	
	B.M. NOTED	



BENCH MARK: BW249
SQUARE CUT ON N CONC BASE OF RR SIGNAL
MAST ARM BASE ON S ROW OF 71ST STREET
1/2 MILE WEST OF HARLEM AVENUE
ELEVATION=620.57

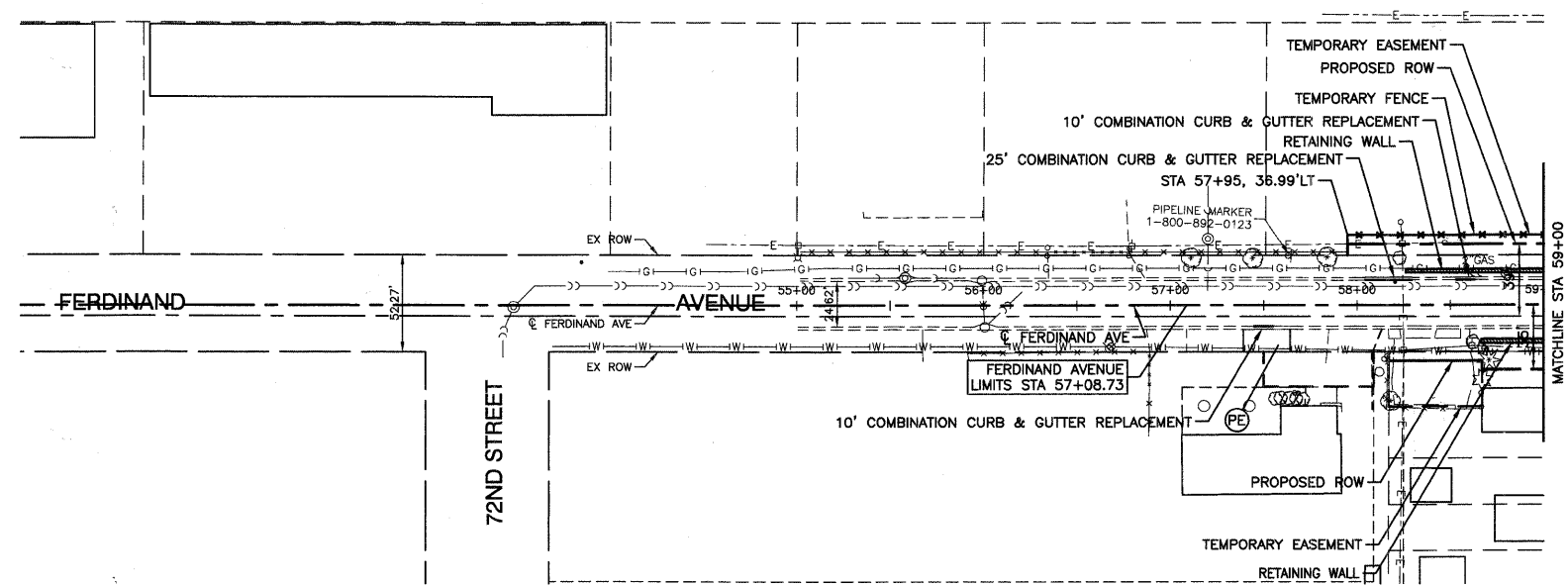
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	PLOT DATE = 12/23/10	DRAWN -- PS	REVISED --			SCALE: 1"=50'		SHEET NO. 20 OF 209 SHEETS		STA. 24+00 TO STA. 30+75	CONTRACT NO. 63556	
		CHECKED -- AG	REVISED --					FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT CRE-9003(709)	

AT SAVED BY: ROUNDBEN ON 11/14/11
COTED BY: RICHARD BLONK ON 2/21/11



NOTES:
1. CONTRACTOR MUST MAINTAIN ACCESS TO PROPERTIES AT ALL TIMES.

- LEGEND**
- DRIVEWAY PAVEMENT REMOVAL
 - CONCRETE SIDEWALK REMOVAL
 - PAVEMENT PATCHING
 - PAVEMENT REMOVAL
 - SUB-BASE GRANULAR MATERIAL TYPE B, 4" AND HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 12"
 - HOT-MIX ASPHALT DRIVEWAY PAVEMENT; 6" HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50(L-9.5mm); 2" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50; 4"



BENCH MARK: BW249
SQUARE CUT ON N CONC BASE OF RR SIGNAL
MAST ARM BASE ON S ROW OF 71ST STREET
1/2 MILE WEST OF HARLEM AVENUE
ELEVATION=620.57

PLAN	SURVEYED	DATE
	ALIGNED	
	NOTED	
	RT. OF WAY CHECKED	
	ADD FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	B.M. NOTED	

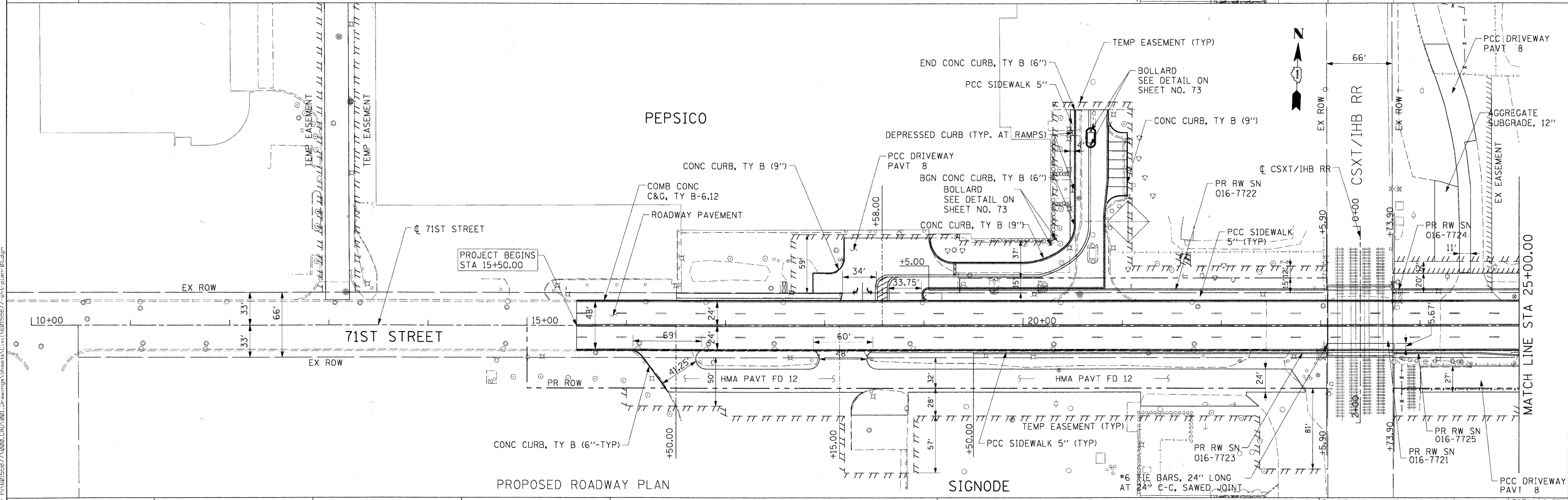
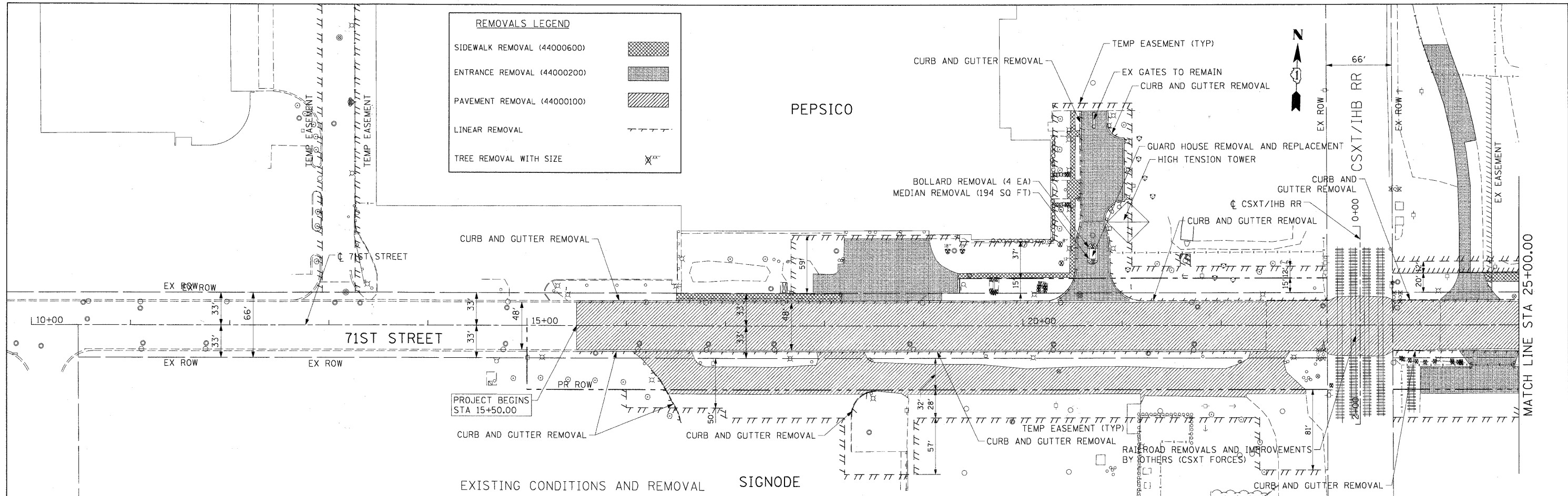
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	DRAWN -- PS	REVISED --
	CHECKED -- AG	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

71ST STREET		
UTILITY RELOCATION INTERIM ROADWAY PLAN		
SCALE: H 1"=50' V 1"=5'	SHEET NO. 21 OF 209 SHEETS	STA. 57+08.73 TO STA. 59+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1537	06-0050-00-GS	COOK	209	21
CONTRACT NO. 63556				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT CRE-9003(709)				



USER NAME = manuj	DESIGNED - NJH	REVISED -
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PLT DATE = 2/17/2011	CHECKED - TJW	REVISED -
	DATE - FEBRUARY 17, 2011	REVISED -

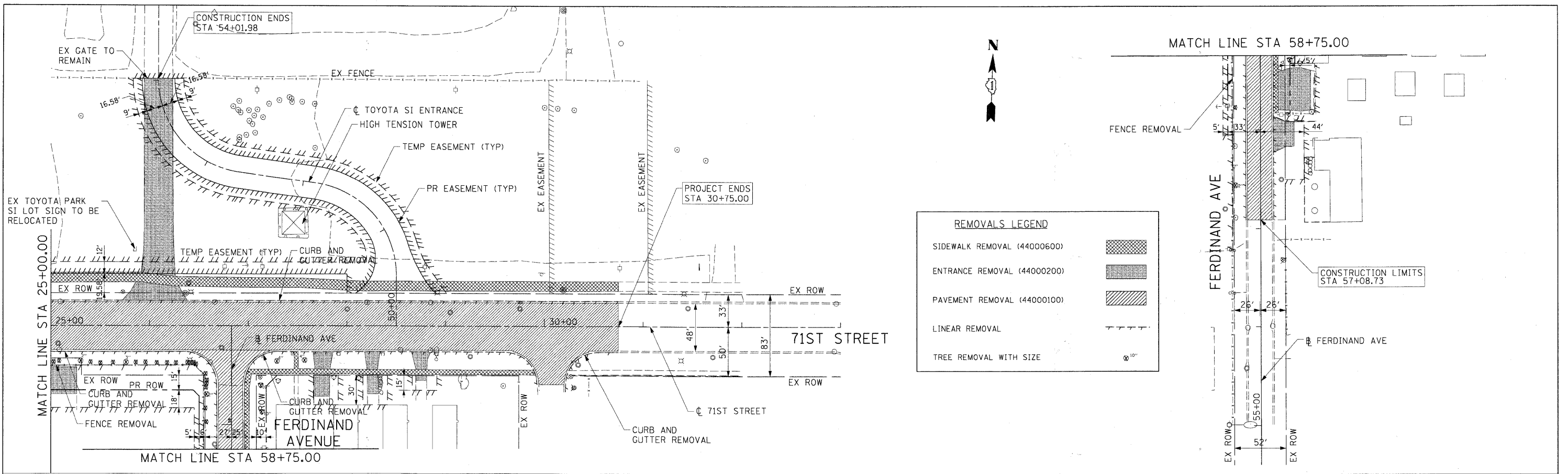
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN
71ST STREET**

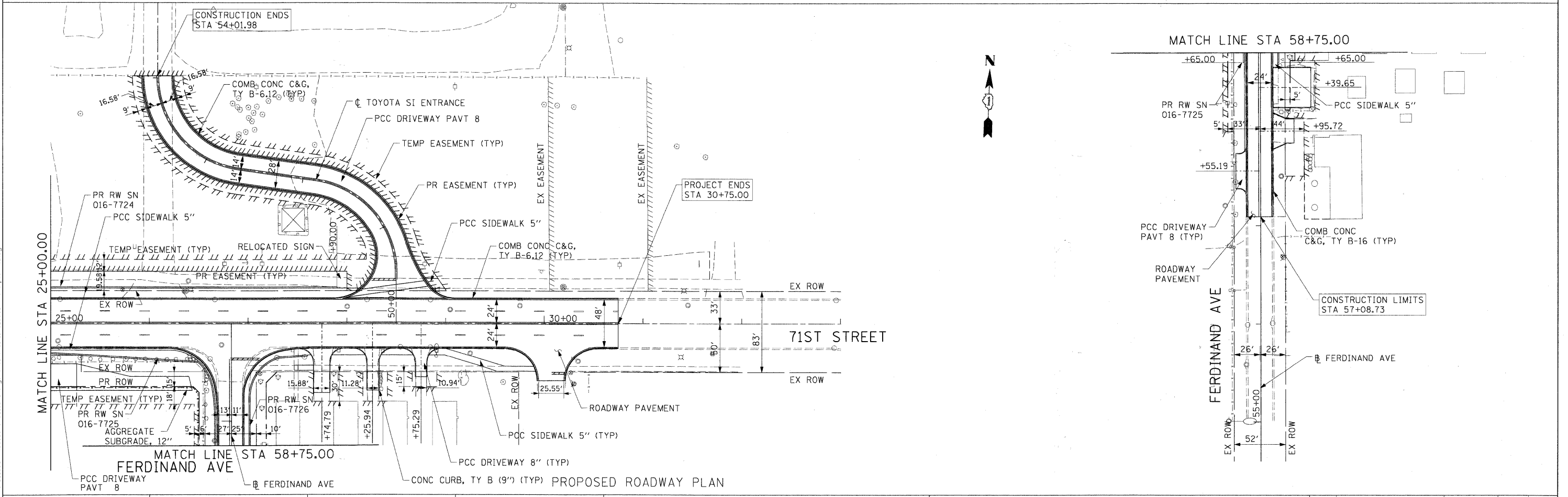
SCALE: 1"=50' SHEET NO. 1 OF 2 SHEETS STA 15+50.00 TO STA 25+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1537	06-00050-00-GS	COOK	209	22
CONTRACT NO. 63556				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT CRE-900317091				

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EXISTING CONDITIONS AND REMOVAL



PROPOSED ROADWAY PLAN

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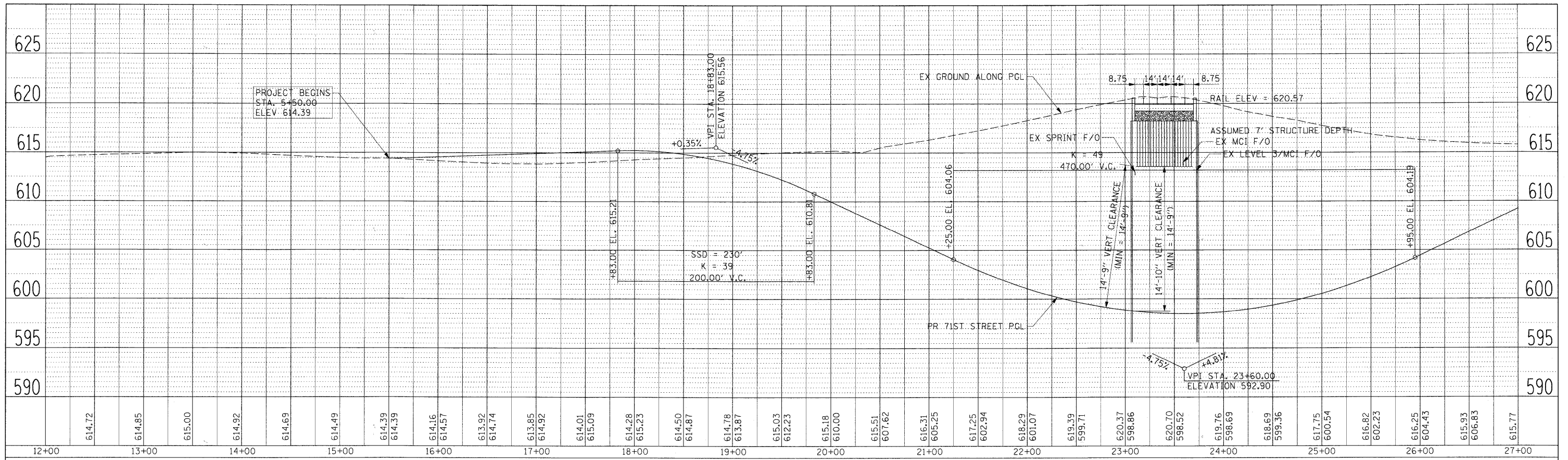
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	DATE - FEBRUARY 17, 2011	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

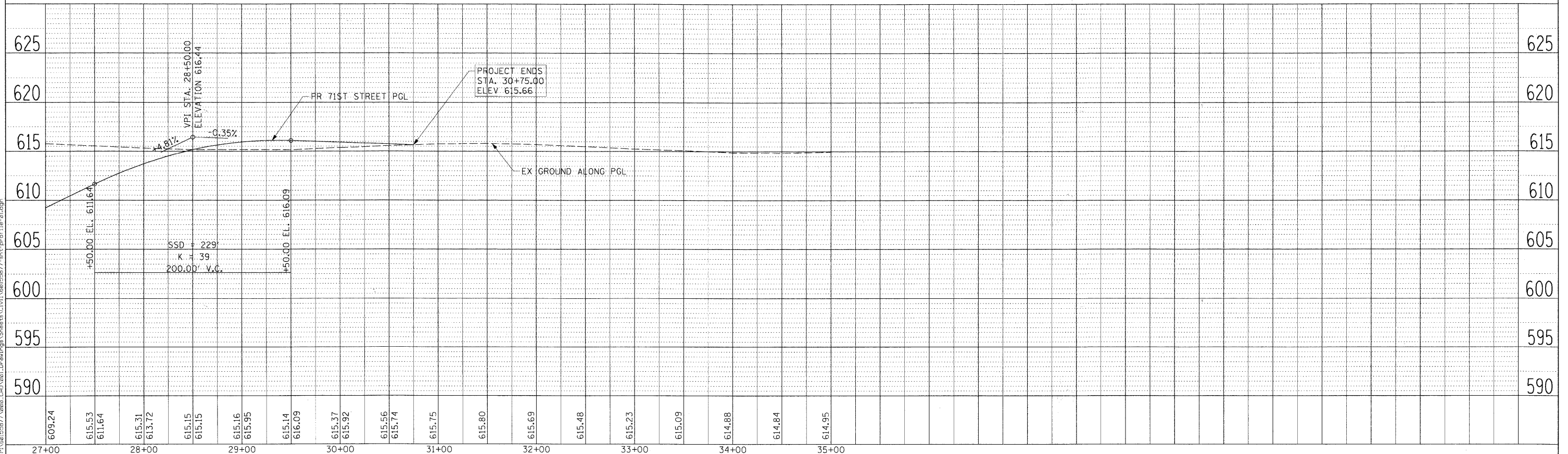
ROADWAY PLAN
71ST STREET AND FERDINAND AVENUE
SCALE: 1"=50'
SHEET NO. 2 OF 2 SHEETS
STA 25+00.00 TO STA 30+75.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1537	06-00050-00-GS	COOK	209	23
CONTRACT NO. 63556			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT CRE-90031709	

PLAN	SURVEYED	BY	DATE
	ALIGNED		
	NOTED		
	CHECKED		
	BY		
	NO.		
	DATE		



PROFILE	SURVEYED	BY	DATE
	ALIGNED		
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	NO.		
	DATE		



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	DATE - FEBRUARY 17, 2011	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

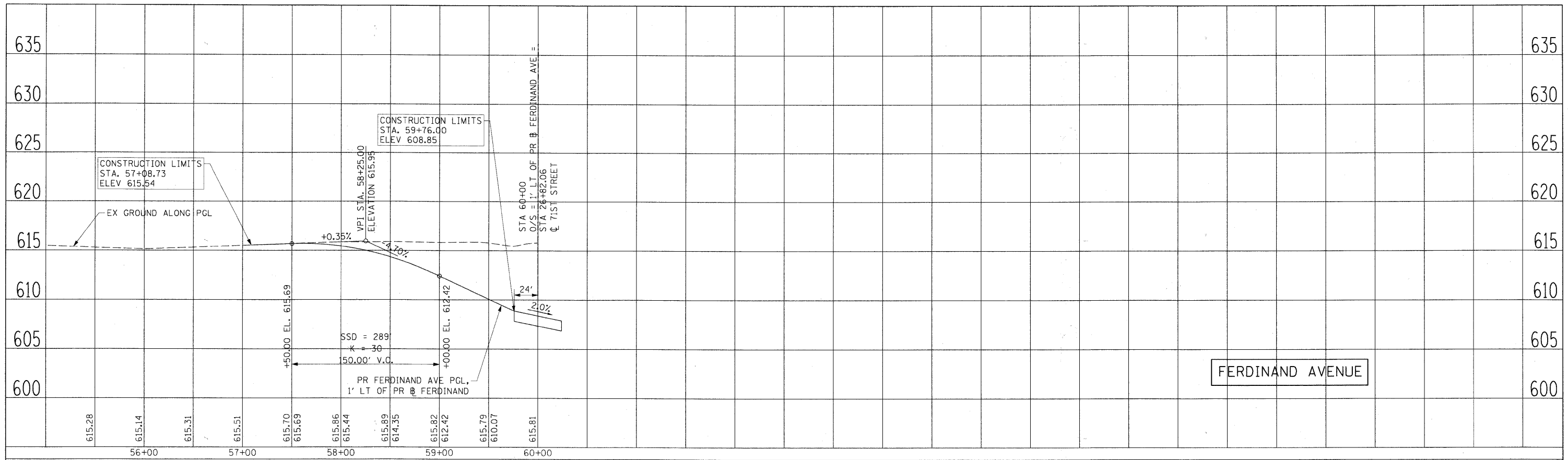
**ROADWAY PROFILE
71ST STREET**

SCALE: H=50; V=5 SHEET NO. 1 OF 2 SHEETS STA. 15+50.00 TO STA. 30+75.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1537	06-00050-00-GS	COOK	209	24
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63556	
			CRE-9003(709)	

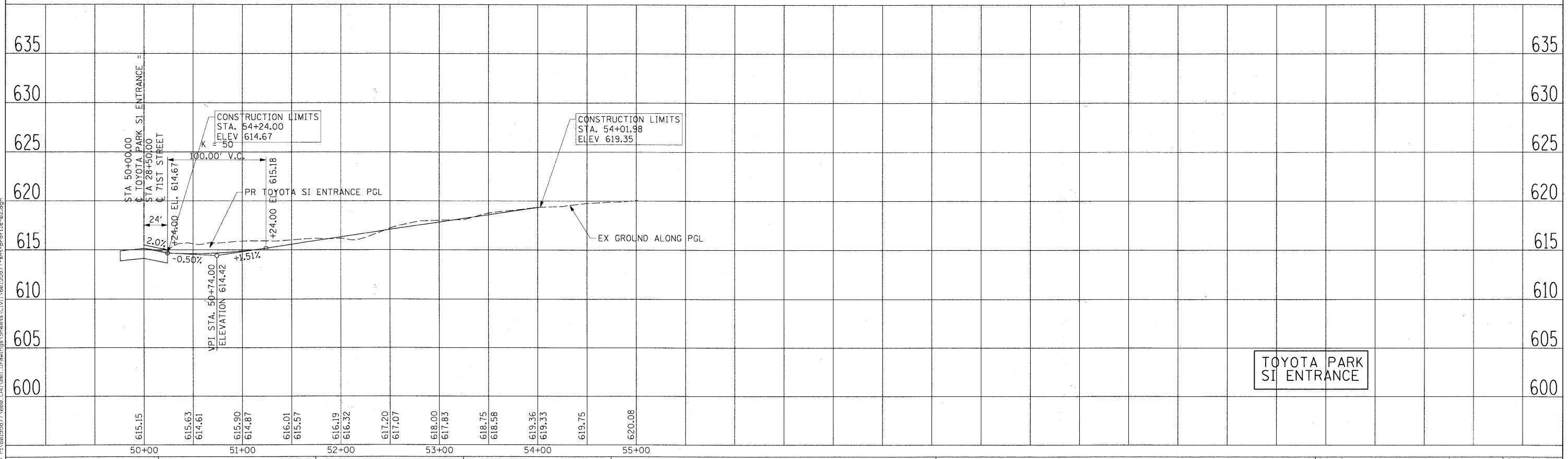
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PLAN SURVEYED BY DATE
 ALIGNED CHECKED
 RT. OF WAY CHECKED
 NO. CAD FILE NAME



FERDINAND AVENUE

PROFILE SURVEYED BY DATE
 DOTTED CHECKED
 NO. STRUCTURE NOTATIONS CHKD



TOYOTA PARK
 SI ENTRANCE



USER NAME = manuj	DESIGNED - NJH	REVISED -
PLOT SCALE = 50.000' / in.	DRAWN - NJH	REVISED -
PLOT DATE = 2/17/2011	CHECKED - TJW	REVISED -
	DATE - FEBRUARY 17, 2011	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ROADWAY PROFILE
 FERDINAND AVENUE AND TOYOTA PARK SI ENTRANCE

SCALE: H=50; V=5 SHEET NO. 2 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1537	06-00050-00-GS	COOK	209	25
CONTRACT NO. 63556			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT CRE-90031709	

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GENERAL TRAFFIC CONTROL NOTES

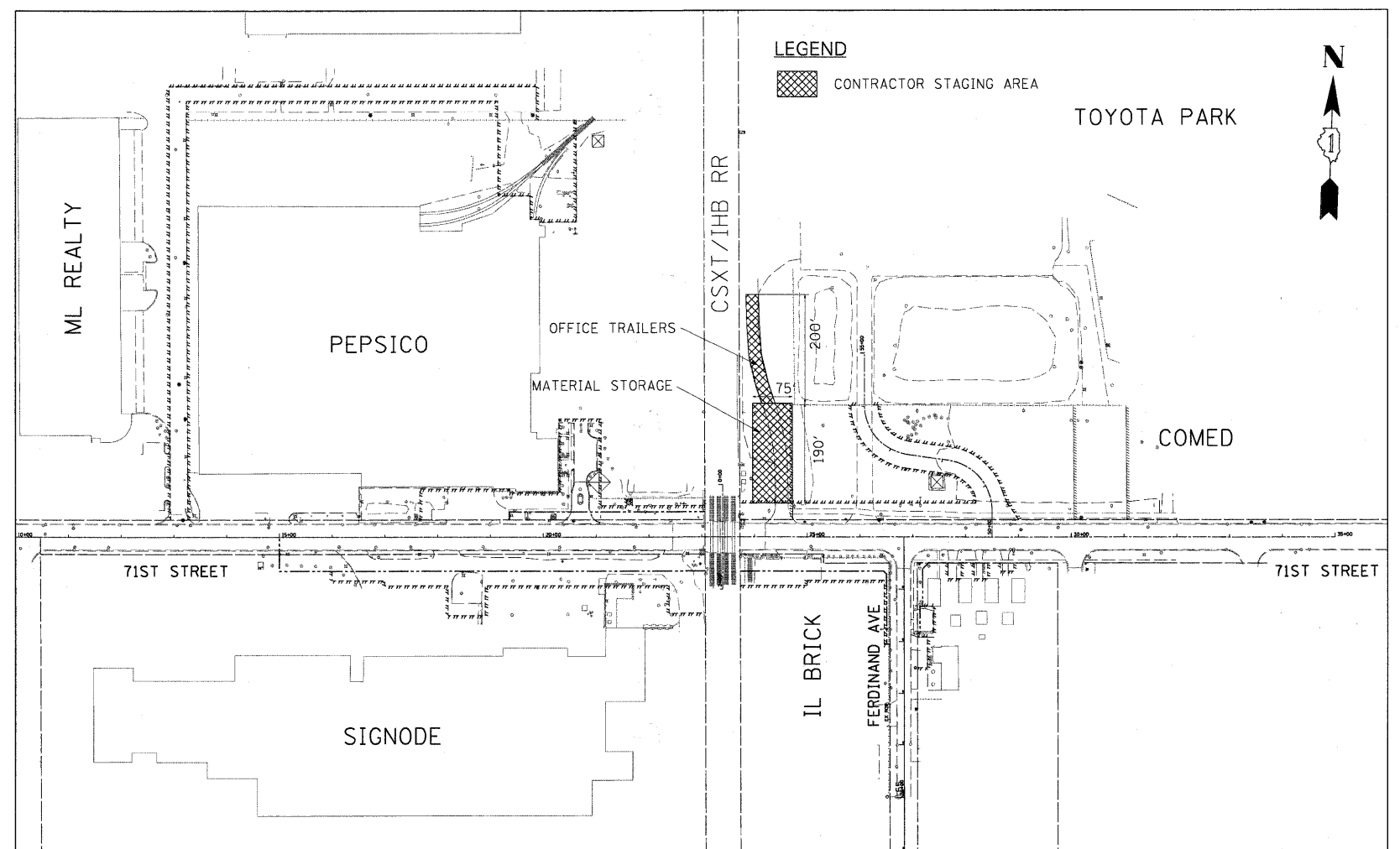
- ALL THE TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE TRAFFIC CONTROL PLANS OR THE LATEST EDITION OF THE STATE OF ILLINOIS "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" AND SHALL BE IN PLACE BEFORE CONSTRUCTION IS STARTED.
- PRIOR TO THE ROADWAY CLOSURE OF 71ST STREET, SINGLE LANE CLOSURES ALONG 71ST ARE PERMITTED SUBJECT TO THE APPROVAL OF THE ENGINEER AND IN ACCORDANCE WITH THE HIGHWAY STANDARDS. MAINTAIN THREE LANES OF TRAFFIC FOR ALL STADIUM EVENTS AND A MINIMUM OF ONE LANE OF TRAFFIC IN EACH DIRECTION AT ALL OTHER TIMES. LANE WIDTHS ALONG 71ST STREET MUST BE A MINIMUM OF 11 FEET.
- A MINIMUM OF ONE TRAFFIC LANE SHALL BE KEPT OPEN ON ALL ADJACENT CROSS STREETS AT ALL TIMES UNLESS A FULL CLOSURE OF THE ROADWAY IS PERMITTED. IF ANY THROUGH LANE OF ANY SIDE STREET MUST BE CLOSED AT ANY TIME DUE TO CONSTRUCTION, IT SHALL BE APPROVED ONLY FOR SHORT DURATIONS, DURING NON-PEAK TRAFFIC TIMES. THESE CLOSURES MUST BE APPROVED BY THE ENGINEER. LANE WIDTHS ALONG CROSS STREETS MUST BE A MINIMUM OF 10 FEET.
- FOR SIDE STREETS AND DRIVEWAYS, TEMPORARY BITUMINOUS RAMPS SHALL BE INSTALLED BETWEEN THE EXISTING AND NEW PAVEMENTS. REMOVAL OF THESE BITUMINOUS RAMPS SHALL BE INCLUDED IN THE COST OF RAMP INSTALLATION.
- INCIDENTAL BITUMINOUS SURFACE SHALL BE UTILIZED FOR TEMPORARY TAPERS OR RAMPS TO SMOOTH THE TRANSITION BETWEEN THE DIFFERENTIAL ELEVATIONS CAUSED BY STAGED CONSTRUCTION BETWEEN THE NEW CONSTRUCTION AND THE EXISTING PAVEMENT.
- AGGREGATE SURFACE COURSE, TYPE B SHALL BE USED TO MAINTAIN ACCESS FOR TEMPORARY ROADS OR ENTRANCES IN ACCORDANCE WITH ARTICLE 402.10.
- BARRICADES, TEMPORARY CONCRETE BARRIER AND TEMPORARY CHAIN LINK FENCE WILL BE USED ONLY AS SHOWN ON THE DRAWINGS OR AS DIRECTED BY THE ENGINEER.
- THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND TRAFFIC CONTROL DEVICES MAY BE ADJUSTED TO FIT FIELD CONDITIONS, AS DIRECTED BY THE ENGINEER.
- REMOVE ANY EXISTING PAVEMENT MARKINGS AS REQUIRED IF IN CONFLICT WITH THE TEMPORARY PAVEMENT MARKINGS FOR TRAFFIC CONTROL AND PROTECTION AS SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER. CONFLICTING PAVEMENT MARKING SHALL BE GROUND OUT. ON ASPHALT SURFACES THE GRIND MARK SHALL THEN BE PAINTED BLACK.
- THE FOLLOWING TEMPORARY PAVEMENT MARKINGS SHALL BE PROVIDED AT THE FOLLOWING LOCATIONS DURING THE VARIOUS STAGES OF CONSTRUCTION (ALL STRIPING SHALL CONFORM TO IDOT STANDARDS):
 - 4" - YELLOW - LEFT SIDE LANE EDGE LINE (MUST BE USED WITH DRUM OR TYPE II BARRICADE)
 - 4" - DOUBLE YELLOW - MEDIANS FULLY STRIPED OUT, AND BETWEEN OPPOSING LANES
 - 4" - WHITE SKIP-DASH (30' SKIP - 10' DASH) - LANE LINES, BETWEEN LANES IN SAME DIRECTION
 - 6" - WHITE LANE LINE - STORAGE AREAS OF LEFT-TURN AND RIGHT-TURN LANES
 - 6" - WHITE SKIP-DASH (6' SKIP - 2' DASH) - EXTENSIONS OF LEFT-TURN AND RIGHT-TURN BAYS
 - 12" - YELLOW DIAGONALS (20' C-C) - MEDIANS, GORES, TRAFFIC SIDE OF TWO-WAY LEFT-TURN CHANNELIZATION
 - 24" - WHITE STOP BAR - ALL LOCATIONS
- TEMPORARY PAVEMENT MARKINGS FOR STOP BARS SHALL BE PLACED 4 FEET IN ADVANCE OF STOP SIGNS, OR AS DIRECTED BY THE ENGINEER.
- CONSTRUCTION SIGNS SHALL BE COVERED WHEN NOT APPLICABLE.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE INFORMATION SIGNS ON TEMPORARY SUPPORTS FOR DRIVEWAYS. THESE SIGNS SHALL BE WHITE OR GREEN IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
- THE CONTRACTOR SHALL PROVIDE TWO CHANGEABLE MESSAGE SIGNS (ONE AT EACH END OF 71ST ST) THAT WILL OPERATE THROUGHOUT THE DURATION OF THE PROJECT.
- THE COST OF ALL WORK DESCRIBED ABOVE WILL BE CONSIDERED INCLUDED IN "TRAFFIC CONTROL AND PROTECTION (SPECIAL)" UNLESS OTHERWISE NOTED OR INCLUDED IN THE SCHEDULE OF QUANTITIES.

CONSTRUCTION STAGING NOTES

- ALL WORK SHALL BE DONE ACCORDING TO THE DETAILS IN THE PLANS AND USING THE APPROPRIATE HIGHWAY STANDARDS.
- THE VILLAGE OF BRIDGEVIEW WILL PERFORM SNOW REMOVAL FOR LEGALLY OPEN ROADWAYS. IF THE CONTRACTOR CLOSSES A LANE(S) OF A ROADWAY, THEY WILL BE RESPONSIBLE FOR THE SNOW REMOVAL UNTIL SUCH TIME THAT THE LANE(S) CAN BE REOPENED. THE CONTRACTOR MUST REMOVE ANY ACCUMULATED SNOW PRIOR TO REOPENING THE LANE(S).
- THE CONTRACTOR SHALL MAINTAIN ACCESS TO ACTIVE FIRE HYDRANTS AND OTHER EMERGENCY FACILITIES WITHIN THE PROJECT LIMITS.
- EXCAVATION FOR CONSTRUCTION ON BOTH SIDES OF THE PAVEMENT CARRYING LIVE VEHICULAR TRAFFIC AT ANY ONE LOCATION AT THE SAME TIME WILL NOT BE PERMITTED EXCEPT FOR THE JUMP SPAN AND ABUTMENT WORK SUBJECT TO THE APPROVAL OF THE ENGINEER.
- CONSTRUCTION MATERIALS OR EQUIPMENT CANNOT BE STORED IN CONSTRUCTION WORK ZONES UNLESS APPROVED BY THE ENGINEER. MATERIALS AND EQUIPMENT MUST BE STORED IN THE AREAS DESIGNATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

TEMPORARY CONCRETE BARRIER NOTES

- TEMPORARY CONCRETE BARRIER MUST CONFORM TO IDOT HIGHWAY STANDARD 704001.
- TEMPORARY CONCRETE BARRIER UNITS PLACED ON RIGID PAVEMENT OR SIDEWALK SURFACES MUST BE SEATED WITH STYROFOAM PADS.
- UNITS PLACED WITHIN 2 FEET OF A DROP-OFF GREATER THAN 3-INCHES OR ON FLEXIBLE PAVEMENTS MUST BE SECURED WITH DOWEL BARS UNLESS OTHERWISE DIRECTED BY THE ENGINEER. DOWEL BARS MUST BE 1-INCH IN DIAMETER, AT LEAST 12-INCHES LONG, MUST BE EMBEDDED AT LEAST 8-INCHES IN THE BASE MATERIAL, AND MUST NOT PROJECT ABOVE THE OUTER SURFACE OF THE BARRIER. AFTER BAR REMOVAL, ALL HOLES IN THE BASE MUST BE GROUT FILLED. THIS WORK WILL BE CONSIDERED INCIDENTAL TO THE COST OF TEMPORARY CONCRETE BARRIER.



CONTRACTOR STAGING AREA

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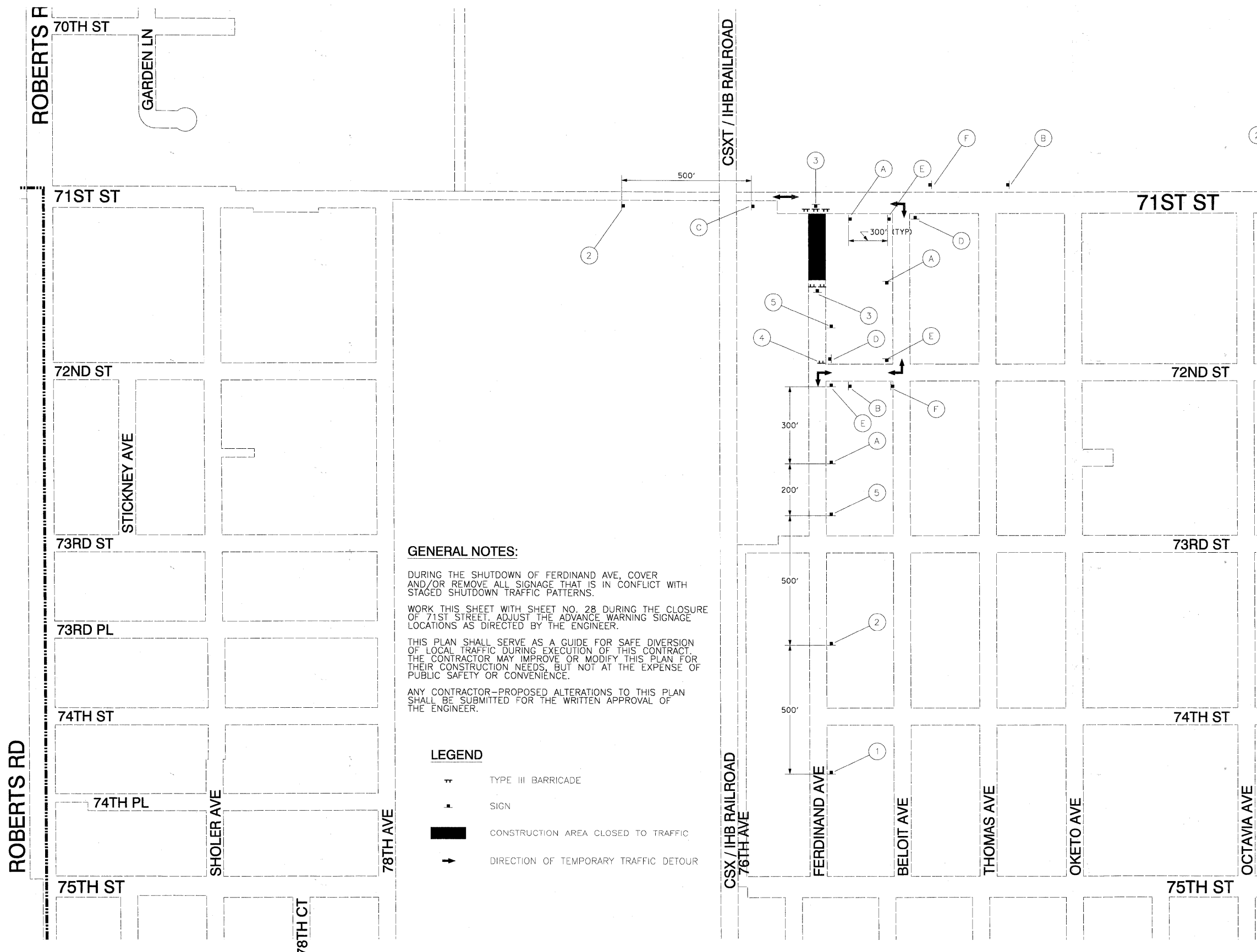
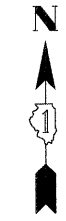
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PLOT DATE = 2/17/2011	CHECKED =	REVISED =
	DATE = FEBRUARY 17, 2011	REVISED =

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL GENERAL NOTES

SCALE: 1"=150' SHEET NO. 1 OF 1 SHEETS STA TO STA

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1537	06-00050-00-GS	COOK	209	26
CONTRACT NO. 63556				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT CRE-9003(709)				



GENERAL NOTES:





DURING THE SHUTDOWN OF FERDINAND AVE, COVER AND/OR REMOVE ALL SIGNAGE THAT IS IN CONFLICT WITH STAGED SHUTDOWN TRAFFIC PATTERNS.

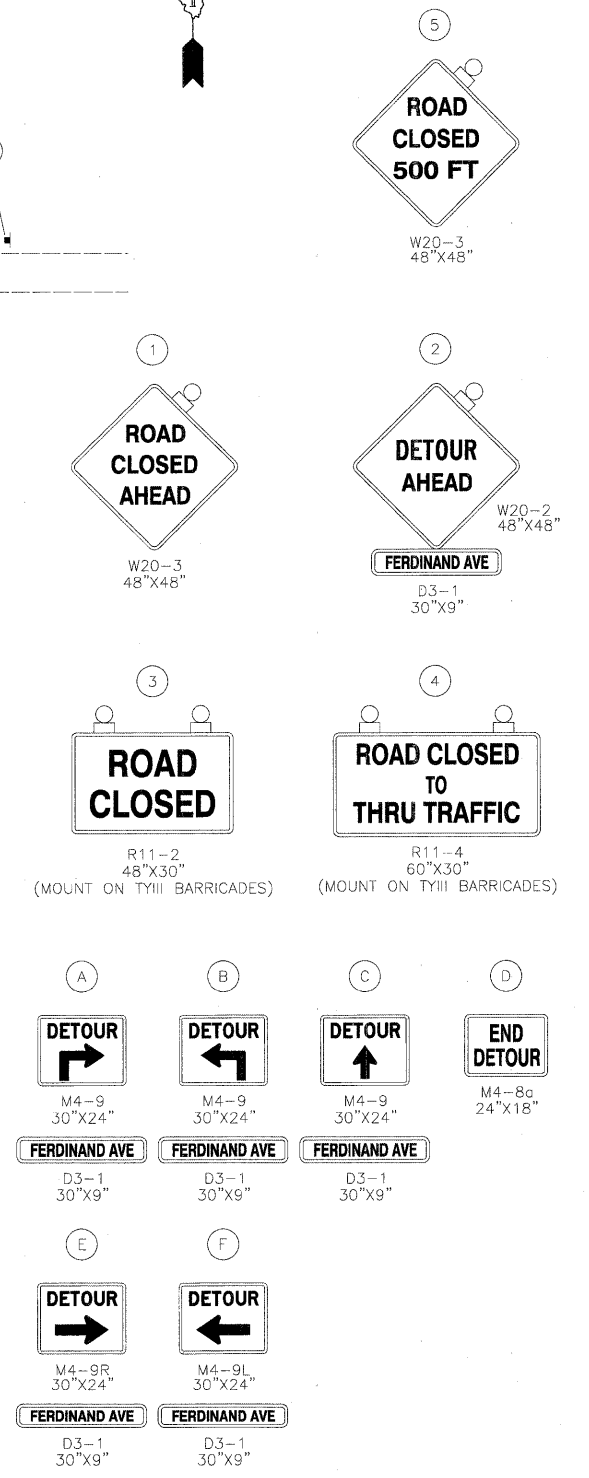
WORK THIS SHEET WITH SHEET NO. 28 DURING THE CLOSURE OF 71ST STREET. ADJUST THE ADVANCE WARNING SIGNAGE LOCATIONS AS DIRECTED BY THE ENGINEER.

THIS PLAN SHALL SERVE AS A GUIDE FOR SAFE DIVERSION OF LOCAL TRAFFIC DURING EXECUTION OF THIS CONTRACT. THE CONTRACTOR MAY IMPROVE OR MODIFY THIS PLAN FOR THEIR CONSTRUCTION NEEDS, BUT NOT AT THE EXPENSE OF PUBLIC SAFETY OR CONVENIENCE.

ANY CONTRACTOR-PROPOSED ALTERATIONS TO THIS PLAN SHALL BE SUBMITTED FOR THE WRITTEN APPROVAL OF THE ENGINEER.

LEGEND

-  TYPE III BARRICADE
-  SIGN
-  CONSTRUCTION AREA CLOSED TO TRAFFIC
-  DIRECTION OF TEMPORARY TRAFFIC DETOUR



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USER NAME = smerry	DESIGNED - JWM	REVISED -
PLOT SCALE = 200,000 / 1 in.	DRAWN - JWM	REVISED -
PLOT DATE = 2/17/2011	CHECKED - TJW	REVISED -
	DATE - FEBRUARY 17, 2011	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETOUR PLAN - FERDINAND AVE

SCALE: 1"=200' SHEET NO. 1 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1537	06-00050-00-GS	COOK	209	27
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT CRE-90031709			CONTRACT NO. 63556	

DETOUR NOTES:

1. WESTSIDE OF RAILROAD CROSSING

NORTHBOUND TRAFFIC:
FROM HARLEM AVENUE:
NORTH ON HARLEM AVENUE; WEST ON 79TH STREET; NORTH ON ROBERTS ROAD; EAST ON 71ST STREET

SOUNDBOUND TRAFFIC:
FROM HARLEM AVENUE:
SOUTH ON HARLEM AVENUE; WEST ON 79TH STREET; NORTH ON ROBERTS ROAD; EAST ON 71ST STREET

2. EASTSIDE OF RAILROAD CROSSING

NORTHBOUND TRAFFIC:
FROM ROBERTS ROAD:
NORTH ON ROBERTS ROAD; EAST ON 79TH STREET; NORTH ON HARLEM AVENUE; WEST ON 71ST STREET

SOUNDBOUND TRAFFIC:
FROM ARCHER AVENUE:
SOUTH ON ARCHER AVENUE; SOUTH ON ROBERTS ROAD; EAST ON 79TH STREET; NORTH ON HARLEM AVENUE; WEST ON 71ST STREET

GENERAL NOTES:

"LOCALIZED" DETOUR ROUTING AS SHOWN ON THIS SHEET SHALL BE REQUIRED FOR THE DURATION OF THE PROJECT WHEN ACCESS TO 71ST ST FROM ROBERTS RD AND HARLEM AVE IS CLOSED.

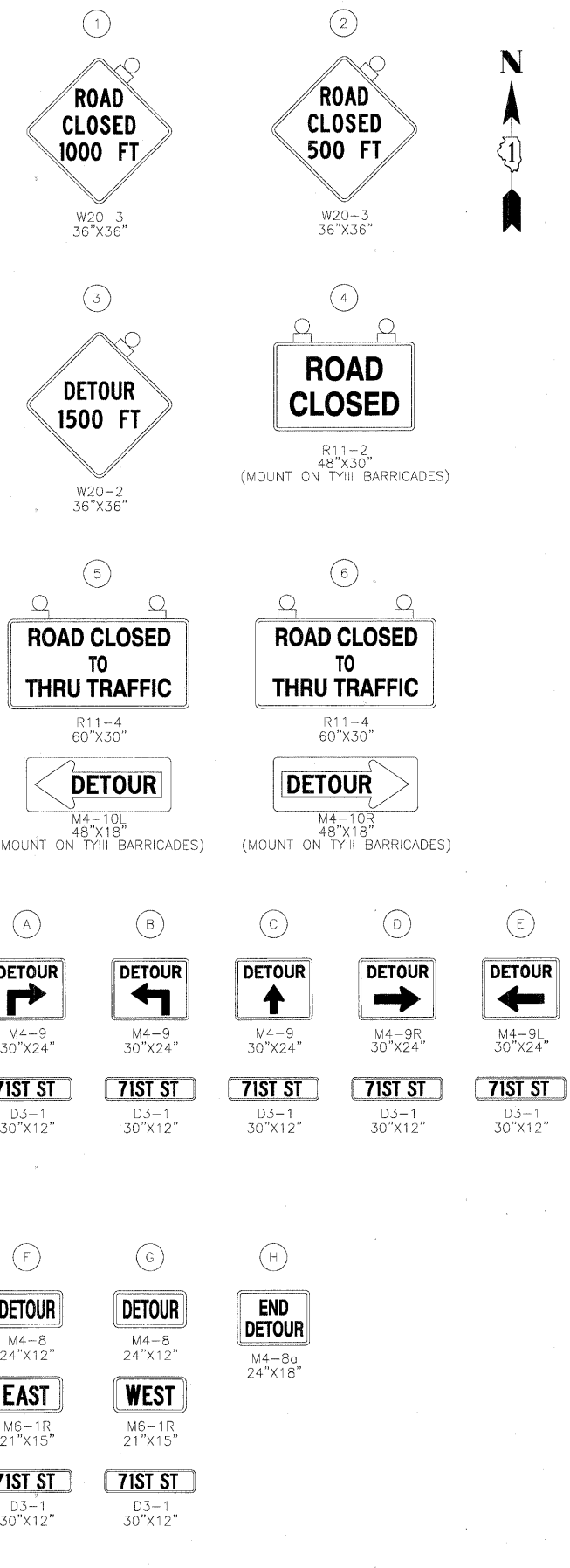
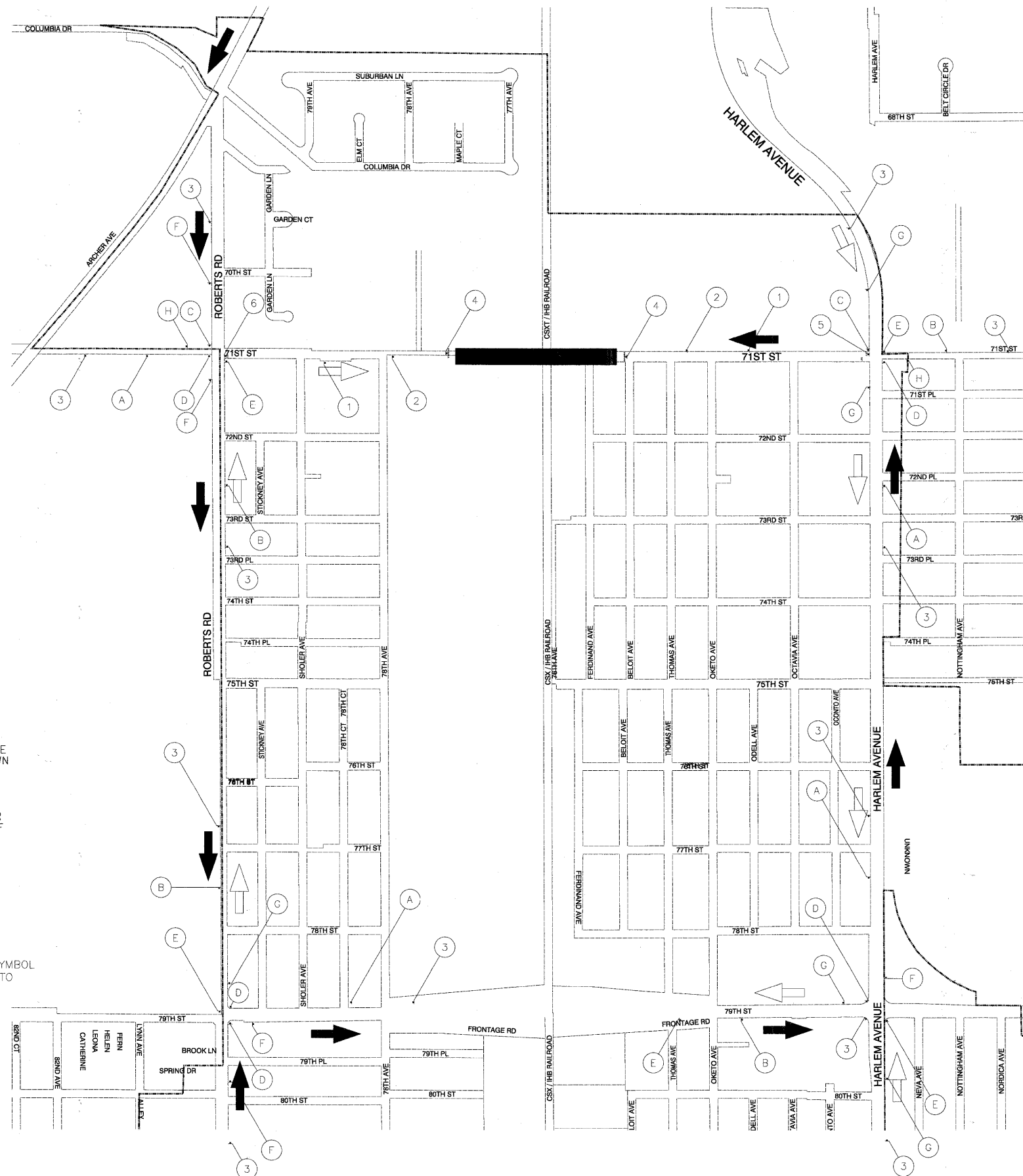
DURING THE SHUTDOWN OF 71ST ST, COVER AND/OR REMOVE ALL SIGNAGE THAT IS IN CONFLICT WITH STAGED SHUTDOWN TRAFFIC PATTERNS.

THIS PLAN SHALL SERVE AS A GUIDE FOR SAFE DIVERSION OF LOCAL TRAFFIC DURING EXECUTION OF THIS CONTRACT. THE CONTRACTOR MAY IMPROVE OR MODIFY THIS PLAN FOR THEIR CONSTRUCTION NEEDS, BUT NOT AT THE EXPENSE OF PUBLIC SAFETY OR CONVENIENCE.

ANY CONTRACTOR-PROPOSED ALTERATIONS TO THIS PLAN SHALL BE SUBMITTED FOR THE WRITTEN APPROVAL OF THE ENGINEER.

LEGEND

- TYPE III BARRICADE WITH FLASHING LIGHT (ONE SYMBOL SHALL REPRESENT ANY NUMBER OF BARRICADES TO ADEQUATELY PROTECT THE AREA SHOWN)
- TEMPORARY TRAFFIC ADVISORY SIGN
- CONSTRUCTION AREA CLOSED TO TRAFFIC
- DETOUR ROUTE FROM WESTSIDE OF RR CROSSING
- DETOUR ROUTE FROM EASTSIDE OF RR CROSSING



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AECOM	USER NAME = merrj	DESIGNED - NJH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETOUR PLAN - 71ST STREET		F.A.U. RTE. 1537	SECTION 06-00050-00-GS	COUNTY COOK	TOTAL SHEETS 209	SHEET NO. 28
	PLOT SCALE = 500.000' / 1" =	DRAWN - JWM	REVISIONS -		SCALE: 1"=500'	SHEET NO. 2 OF 2 SHEETS	STA. TO STA.	CONTRACT NO. 63556			
	PLOT DATE = 2/17/2011	CHECKED - TJW	REVISIONS -				FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT CRE-90031709				
		DATE - FEBRUARY 17, 2011	REVISIONS -								

SUGGESTED CONSTRUCTION STAGING

STAGE 1
TRAFFIC

1. SET UP FERDINAND AVENUE DETOUR SIGNING PER THE DETOUR PLAN.
2. DETOUR FERDINAND AVENUE THROUGH TRAFFIC. CLOSE FERDINAND TO VEHICULAR AND PEDESTRIAN TRAFFIC.

CONSTRUCTION

3. LOCATE EXISTING FIBER OPTIC LINES.
4. CONSTRUCT ALONG THE SOUTH SIDE OF 71ST STREET AND THE WEST SIDE OF FERDINAND AVENUE THE PROPOSED 78" AND 84" STORM SEWERS.
5. TIE THE PROPOSED 84" STORM SEWER ALONG 71ST STREET INTO THE EXISTING STORM SEWER AS DETAILED ON THE PLANS. COORDINATE THIS WORK WITH NICOR AND COMED DUE TO CONFLICTS WITH THEIR FACILITIES.
6. CLOSE FERDINAND AVENUE. TIE THE PROPOSED 78" STORM SEWER ALONG FERDINAND AVENUE INTO THE EXISTING STORM SEWER. COORDINATE THIS WORK WITH NICOR AND COMED DUE TO CONFLICTS WITH THEIR FACILITIES. REOPEN FERDINAND AVENUE UPON COMPLETION OF THE SEWER AND PATCHING WORK.
7. ALLOW NICOR GAS TO RELOCATE THEIR FACILITIES IN ORDER TO ALLOW FOR THE INSTALLATION OF THE PROPOSED 16" WATER MAIN.
8. CONSTRUCT THE 16" WATER MAIN FROM THE EAST END OF THE PROJECT GOING WEST ALONG 71ST STREET AND THE 8" WATER MAIN ALONG FERDINAND AVENUE.
9. CONSTRUCT THE STORM SEWERS ALONG THE SOUTH SIDE OF 71ST STREET BETWEEN FERDINAND AND BELOIT. TIE INTO THE NEW 78" STORM SEWER.
10. COMPLETE THE PAVEMENT, CURB AND GUTTER, AND SIGNAGE AT SIGNODE.
11. CONSTRUCT THE TEMPORARY PAVEMENT AND RAIL CROSSING AND INSTALL THE TEMPORARY GUARDHOUSE AT PEPSICO'S NORTH ENTRANCE. COMPLETE THE TEMPORARY PAVEMENT MARKING AND SIGNING.

STAGE 2
TRAFFIC

1. DETOUR PEPSICO TRAFFIC TO THE NORTH ENTRANCE UTILIZING THE MLRP TEMPORARY EASEMENT. CLOSE PEPSICO ENTRANCE OFF OF 71ST STREET.

CONSTRUCTION

1. CONTINUE STAGE 1 WORK.
2. CONSTRUCT 71ST STREET FROM STA 15+50 TO STA 18+85. CONSTRUCT TEMPORARY PAVEMENT AND TEMPORARY CURB & GUTTER FROM STA 18+85 TO STA 20+35.
3. DRIVE PILES FOR RETAINING WALLS.
4. CONSTRUCT THE NEW TOYOTA PARK S1 PARKING LOT ENTRANCE, INCLUDING STORM SEWERS, PAVEMENT, CURB & GUTTER, MARKINGS AND SIGNAGE. REMOVE THE EXISTING PAVEMENT.
5. REMOVE THE EXISTING PEPSICO GUARDHOUSE. CONSTRUCT THE NEW PEPSICO ENTRANCE, INCLUDING STORM SEWERS, PAVEMENT, CURB & GUTTER, SIDEWALK, LIGHTING, BOLLARDS, MARKINGS, SIGNAGE, AND IRRIGATION SYSTEM. CONSTRUCT THE NEW GUARDHOUSE AND RECONNECT THE UTILITY SERVICES.
6. BEGIN CONSTRUCTION OF THE PUMPING STATION.
7. REGRADE THE EXISTING DETENTION POND AND INSTALL EROSION CONTROL MEASURES.

STAGE 3A
TRAFFIC

1. SET UP 71ST STREET DETOUR SIGNING PER THE DETOUR PLAN.
2. DETOUR 71ST STREET TRAFFIC AS SHOWN ON THE PLAN. CLOSE 71ST STREET TO VEHICULAR AND PEDESTRIAN TRAFFIC. (OCTOBER 1, 2011)

CONSTRUCTION

3. CONTINUE STAGE 1 AND STAGE 2 WORK.
4. REMOVE THE EXISTING GRADE CROSSING WARNING DEVICES, INCLUDING THE SIGNALS AND GATE ARMS. (BY CSXT FORCES)
5. PERFORM ADVANCE WORK FOR CONSTRUCTION OF THE BRIDGE INCLUDING INSTALLATION OF PILES, LAGGING, LONGITUDINAL SHEETING, AND TEMPORARY JUMP SPANS. - REFER TO STRUCTURAL STAGING DRAWINGS.

RAILROAD OPERATIONS

6. MAINTAIN LIVE RAIL TRAFFIC OPERATIONS ON ALL FOUR (4) TRACKS EXCEPT AS NOTED BELOW. PILES AND SHEETING TO BE INSTALLED BETWEEN TRAIN OPERATIONS.
7. TWO (2), THREE (3) TRACK OUTAGES WILL BE PERMITTED FOR INSTALLATION OF THE TEMPORARY JUMP SPANS. EACH OUTAGE DURATION WILL BE TEN (10) HOURS. SCHEDULING OF THE OUTAGES IS SUBJECT TO CSXT APPROVAL.

STAGE 3B
CONSTRUCTION

1. CONTINUE STAGE 2 WORK.
2. REMOVE THE SECTIONS OF THE EXISTING 84" SEWER AT THE GRADE CROSSING.
3. CONSTRUCT THE NORTH AND SOUTH BRIDGE ABUTMENTS. - REFER TO STRUCTURAL STAGING DRAWINGS.

RAILROAD OPERATIONS

4. MAINTAIN LIVE RAIL TRAFFIC OPERATIONS ON ALL FOUR (4) TRACKS.

STAGE 4A AND 4B

CONSTRUCTION - STAGE 4A

1. CONTINUE STAGE 3B WORK.
2. ASSEMBLE THE WEST HALF OF THE BRIDGE. - REFER TO STRUCTURAL STAGING DRAWINGS.
3. INSTALL THE WEST HALF OF THE BRIDGE SUPERSTRUCTURE. - REFER TO STRUCTURAL STAGING DRAWINGS. (JANUARY 7, 2012)

CONSTRUCTION - STAGE 4B

4. ASSEMBLE THE EAST HALF OF THE BRIDGE. - REFER TO STRUCTURAL STAGING DRAWINGS.
5. INSTALL THE EAST HALF OF THE BRIDGE SUPERSTRUCTURE. - REFER TO STRUCTURAL STAGING DRAWINGS. (JANUARY 24, 2012)

RAILROAD OPERATIONS

6. MAINTAIN LIVE RAIL TRAFFIC OPERATIONS ON ALL FOUR (4) TRACKS EXCEPT AS NOTED BELOW.
7. TWO (2), THREE (3) TRACK OUTAGES WILL BE PERMITTED FOR INSTALLATION OF THE BRIDGE ON THE DATES INDICATED ABOVE. EACH OUTAGE DURATION WILL BE TWENTY-FOUR (24) HOURS.

STAGE 5
TRAFFIC

1. MAINTAIN DETOUR AND CLOSURE OF 71ST STREET.
2. SET UP FERDINAND AVENUE DETOUR SIGNING PER THE DETOUR PLAN.
3. DETOUR FERDINAND AVENUE THROUGH TRAFFIC. CLOSE FERDINAND TO VEHICULAR AND PEDESTRIAN TRAFFIC.

CONSTRUCTION

4. CONSTRUCT RETAINING WALLS.
5. CONSTRUCT STORM SEWERS BELOW 71ST STREET AND ADJACENT TO THE RETAINING WALLS.
6. CONSTRUCT THE PAVEMENT, CURB & GUTTER, AND SIDEWALK ALONG 71ST STREET AND FERDINAND AVENUE.
7. COMPLETE ANY REMAINING REMOVAL WORK.
8. COMPLETE PAVEMENT MARKINGS AND SIGNAGE.
9. RELOCATE TEMPORARY GUARD HOUSE AT PEPSICO.

STAGE 6
TRAFFIC

1. OPEN 71ST STREET AND FERDINAND AVENUE TO TRAFFIC. (MAY 14, 2012)

CONSTRUCTION

2. COMPLETE PAVEMENT RESURFACING AT THE MLRP TEMPORARY EASEMENT.
3. COMPLETE ROADWAY LIGHTING, RESTORATION, LANDSCAPE, AND FENCING.

THE STAGING PROCEDURES SHOWN IN THE PLANS ARE A SUGGESTED METHOD FOR CONSTRUCTION SEQUENCE AND OPERATIONS AND AS A GUIDE FOR THE SAFE DIVERSION OF TRAFFIC DURING THE EXECUTION OF THIS CONTRACT. THE CONTRACTOR, AT HIS OR HER OPTION, MAY SUBMIT AN ALTERNATE STAGING OR TRAFFIC CONTROL PLAN FOR APPROVAL BY THE ENGINEER.

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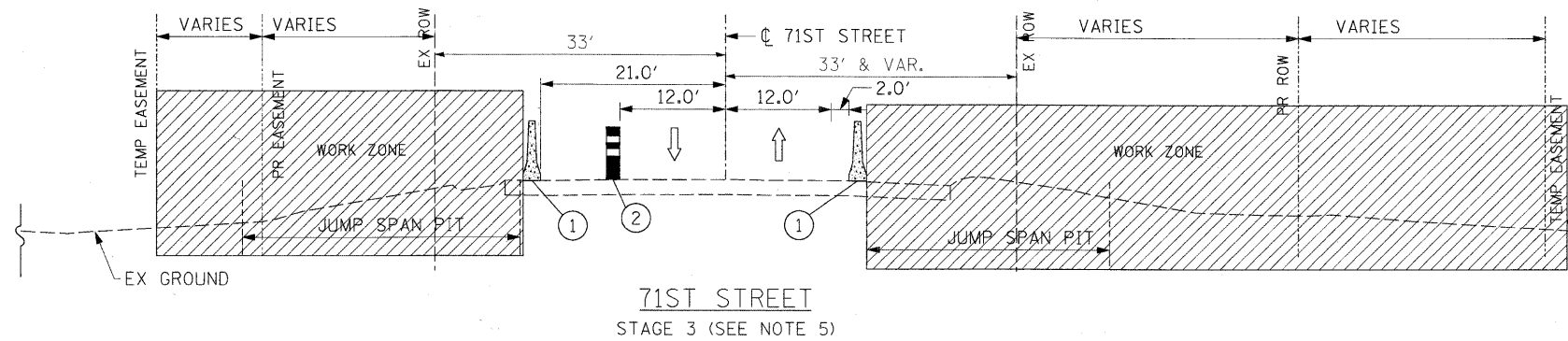
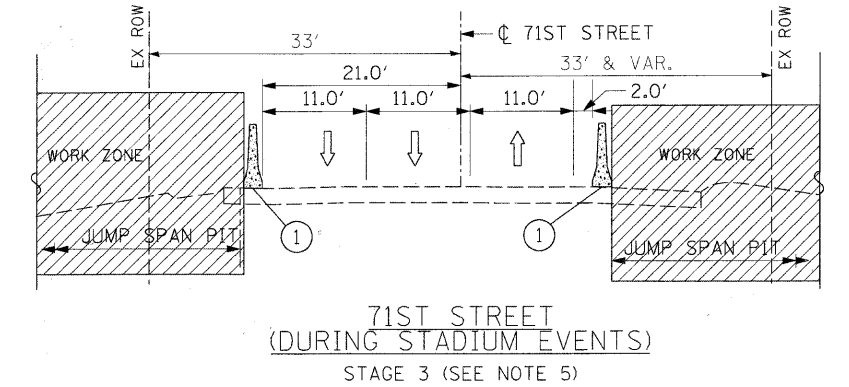
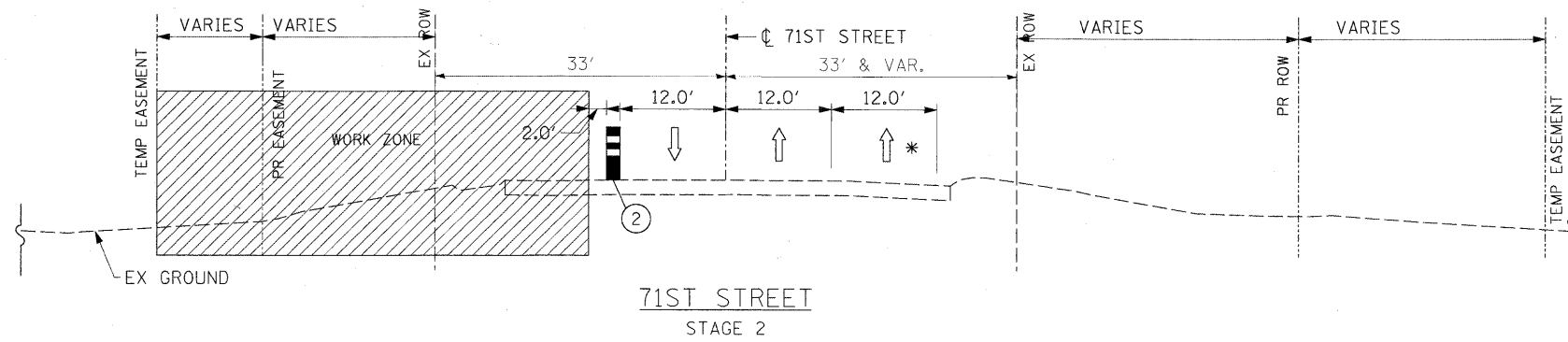
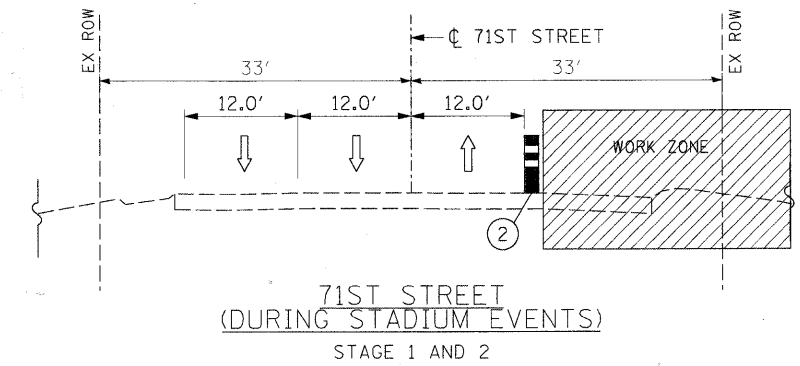
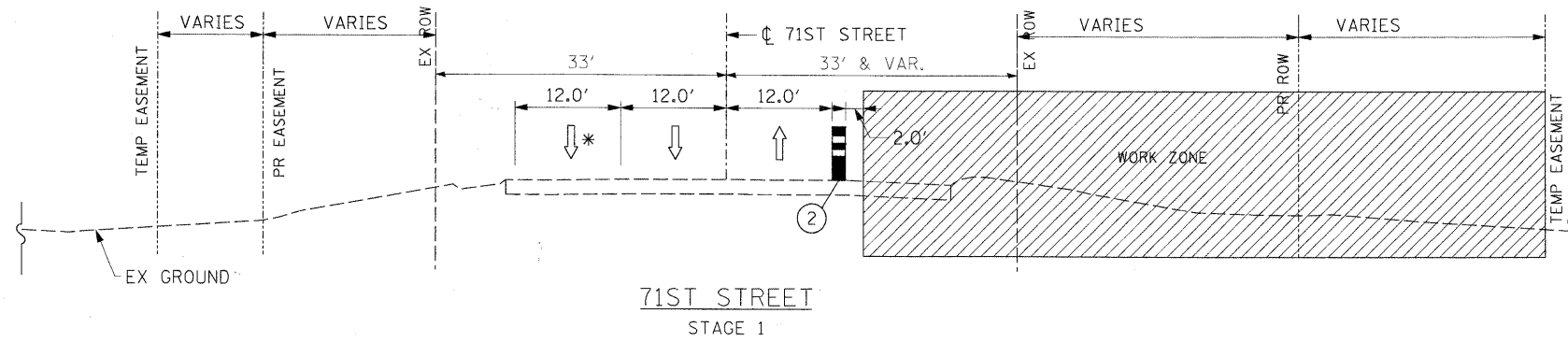
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PLOT SCALE = 200.000' / 1"	DRAWN - JWM	REVISED -
PLOT DATE = 3/15/2011	CHECKED -	REVISED -
	DATE - March 17, 2011	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUGGESTED CONSTRUCTION STAGING

SCALE: 1"=200' SHEET NO. 1 OF 1 SHEETS STA TO STA

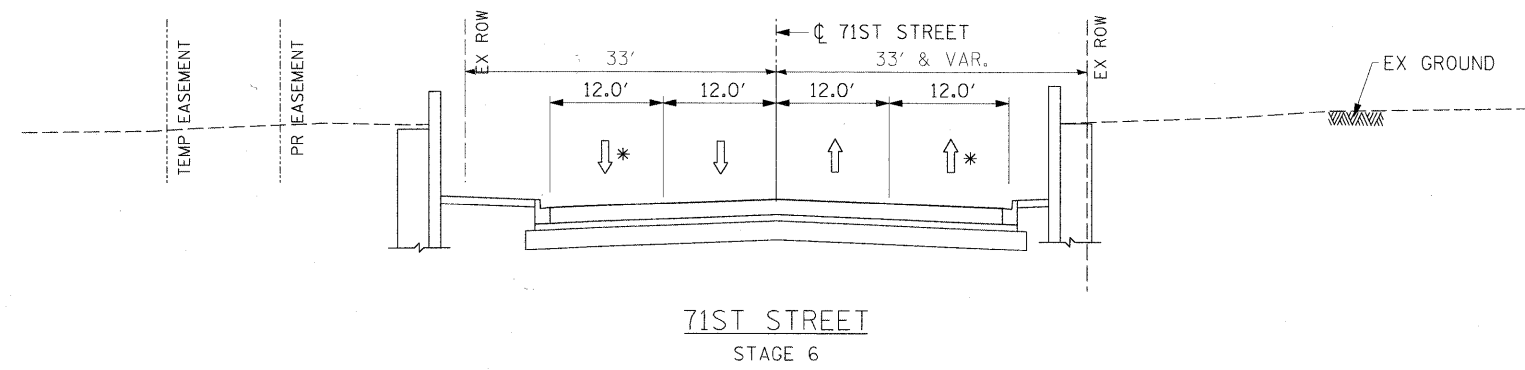
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1537	06-00050-00-GS	COOK	209	29
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63556	
CRE-90031099				



- LEGEND:**
- ① TEMPORARY CONCRETE BARRIER
 - ② DRUM WITH FLASHING LIGHT (10' C-C)

* - LANE CLOSURE PERMITTED EXCEPT DURING STADIUM EVENTS SUBJECT TO THE APPROVAL OF THE ENGINEER








- NOTES:**
1. SEE SHEET NO. 26 FOR TRAFFIC CONTROL GENERAL NOTES.
 2. SECTIONS ARE LOOKING EAST.
 3. DURING STADIUM EVENTS, TRAFFIC WILL BE CONTROLLED BY THE VILLAGE OF BRIDGEVIEW POLICE DEPARTMENT.
 4. REFER TO STRUCTURAL STAGING DRAWINGS FOR JUMP SPAN LIMITS.
 5. TRAFFIC CONTROL TO BE PLACED AT THE DISCRETION OF THE ENGINEER BASED UPON THE APPROVED SCHEDULE OF CONSTRUCTION.

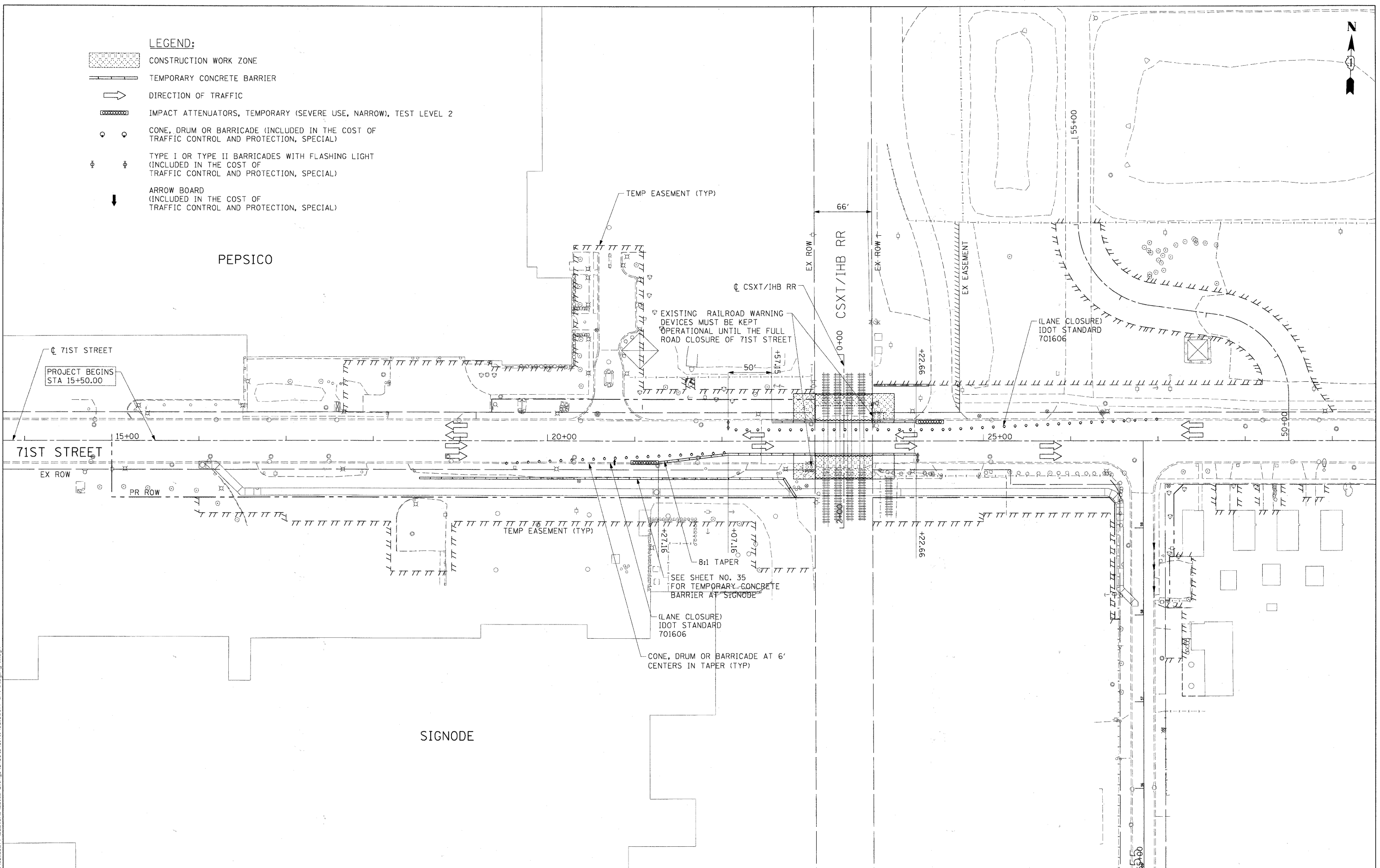
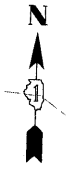


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	PLOT SCALE = 1/8" = 1'-0"	DRAWN - JWM	REVISED -			1537	06-00050-00-GS	COOK	209	30
	PLOT DATE = 2/17/2011	CHECKED - TJW	REVISED -			CONTRACT NO. 63556				
		DATE - FEBRUARY 17, 2011	REVISED -		SCALE: 1"=10'	SHEET NO. 1 OF 1 SHEETS	STA. 15+50.00 TO STA. 30+75.00	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT CRE-90037091		

LEGEND:

-  CONSTRUCTION WORK ZONE
-  TEMPORARY CONCRETE BARRIER
-  DIRECTION OF TRAFFIC
-  IMPACT ATTENUATORS, TEMPORARY (SEVERE USE, NARROW), TEST LEVEL 2
-  CONE, DRUM OR BARRICADE (INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION, SPECIAL)
-  TYPE I OR TYPE II BARRICADES WITH FLASHING LIGHT (INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION, SPECIAL)
-  ARROW BOARD (INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION, SPECIAL)



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PLOT DATE = 2/17/2011	CHECKED - TJW	REVISED -
DATE - FEBRUARY 17, 2011	REVISED -	


**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TRAFFIC CONTROL PLAN - 71ST ST - STAGE 3

SCALE: 1"=50' SHEET NO. 1 OF 10 SHEETS STA 15+50.00 TO STA 25+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1537	06-00050-00-GS	COOK	209	31
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT CRE-90031709			CONTRACT NO. 63556	

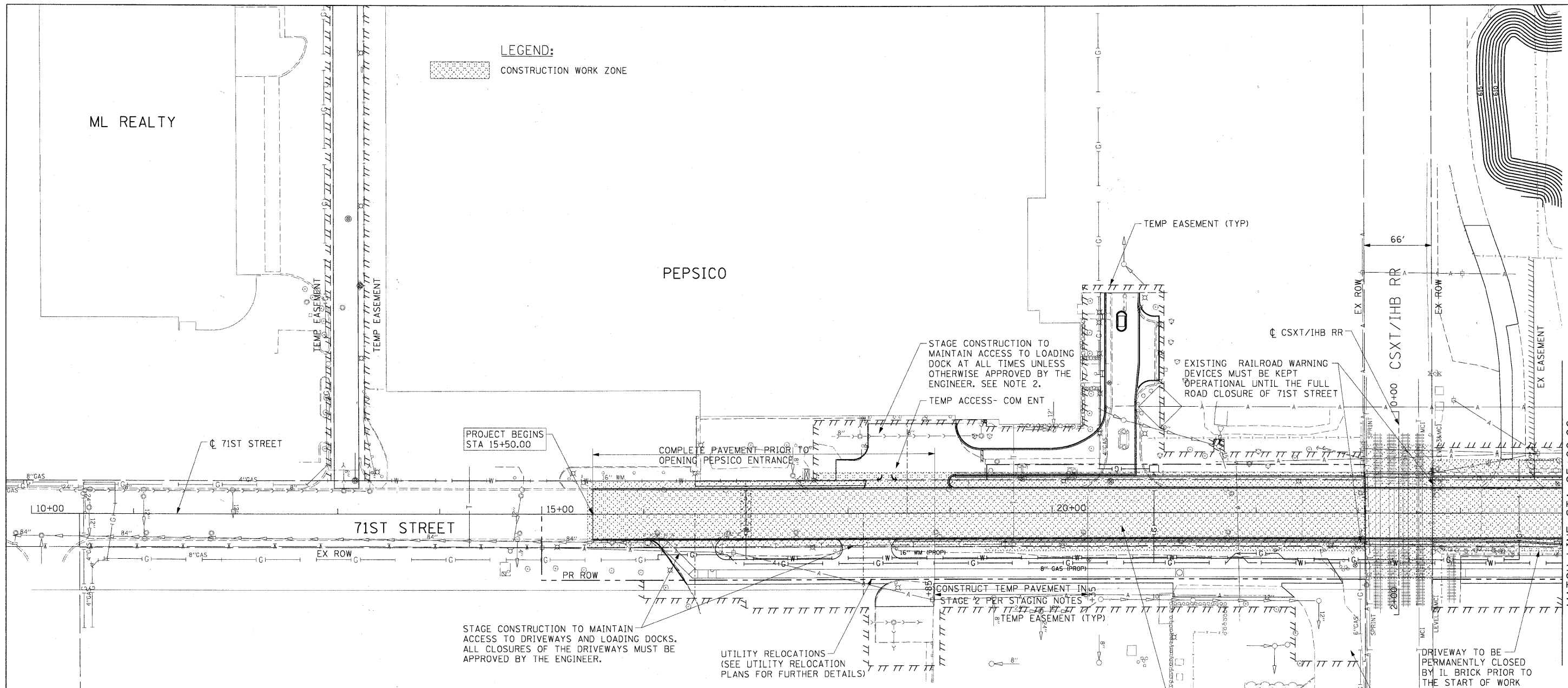


LEGEND:
 CONSTRUCTION WORK ZONE

ML REALTY

PEPSICO

MATCH LINE STA 25+00.00



PROJECT COMMITMENTS FOR THE CSXT

1. REFERENCE SHEETS 29 AND 108-109 FOR SUGGESTED CONSTRUCTION STAGING DETAILS. SEE THE SPECIAL PROVISIONS FOR ADDITIONAL PROJECT COMMITMENTS AND REQUIREMENTS FOR THE CSXT.

PROJECT COMMITMENTS FOR 71ST STREET AND THE VILLAGE OF BRIDGEVIEW

2. SEE THE SPECIAL PROVISIONS AND SHEETS 34 THRU 37 FOR ADDITIONAL PROJECT COMMITMENTS AND REQUIREMENTS FOR 71ST STREET AND THE VILLAGE OF BRIDGEVIEW.

STAGING NOTES

3. ALL WORK IN THIS STAGE SHALL BE DONE ACCORDING TO THE DETAILS IN THE PLANS AND USING THE APPROPRIATE HIGHWAY STANDARDS.

SIGNODE



USER NAME = mornnj	DESIGNED - TJW	REVISED -
PLOT SCALE = 50.000' / 1" =	DRAWN - JWM	REVISED -
PLOT DATE = 3/15/2011	CHECKED - TJW	REVISED -
	DATE - March 17, 2011	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

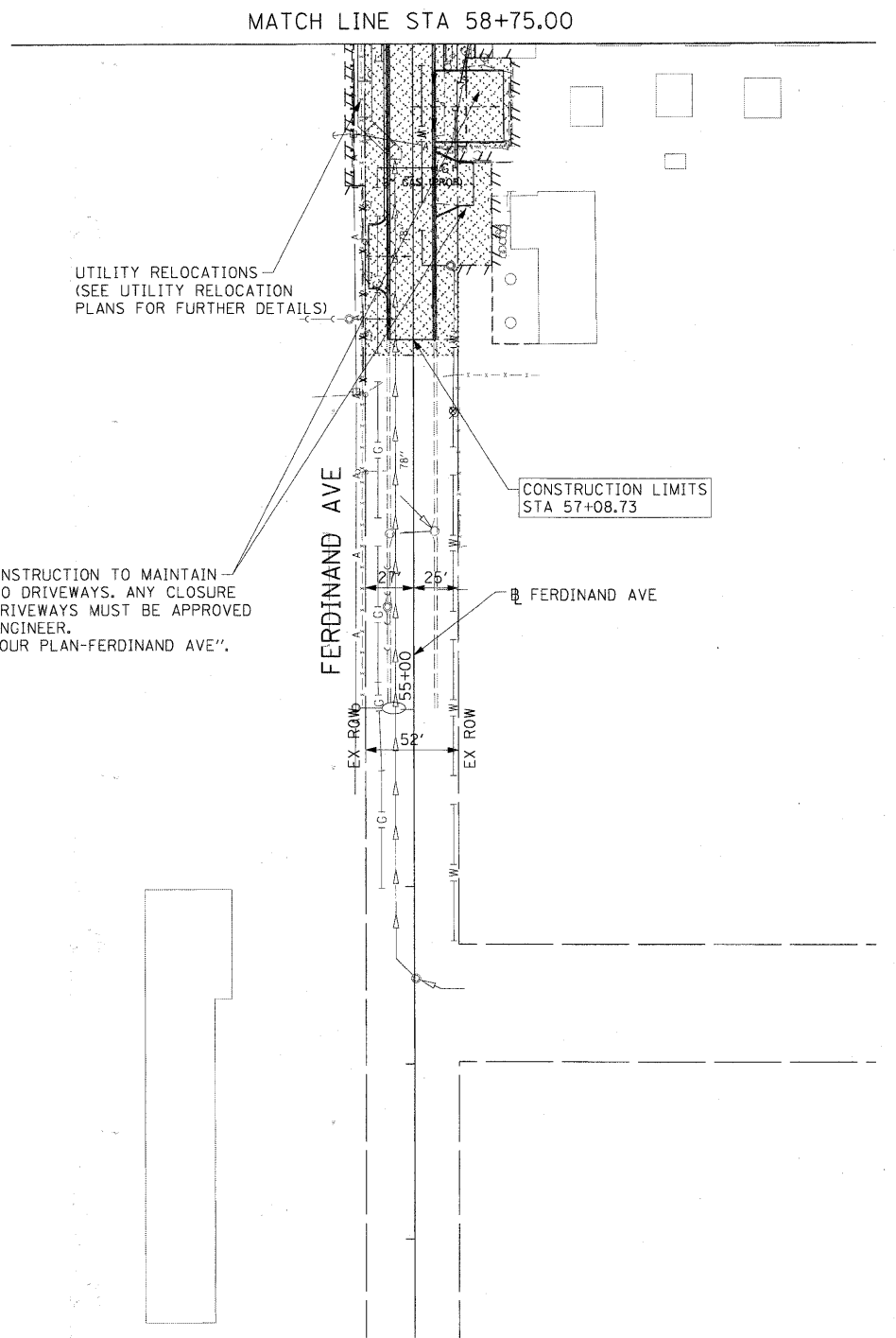
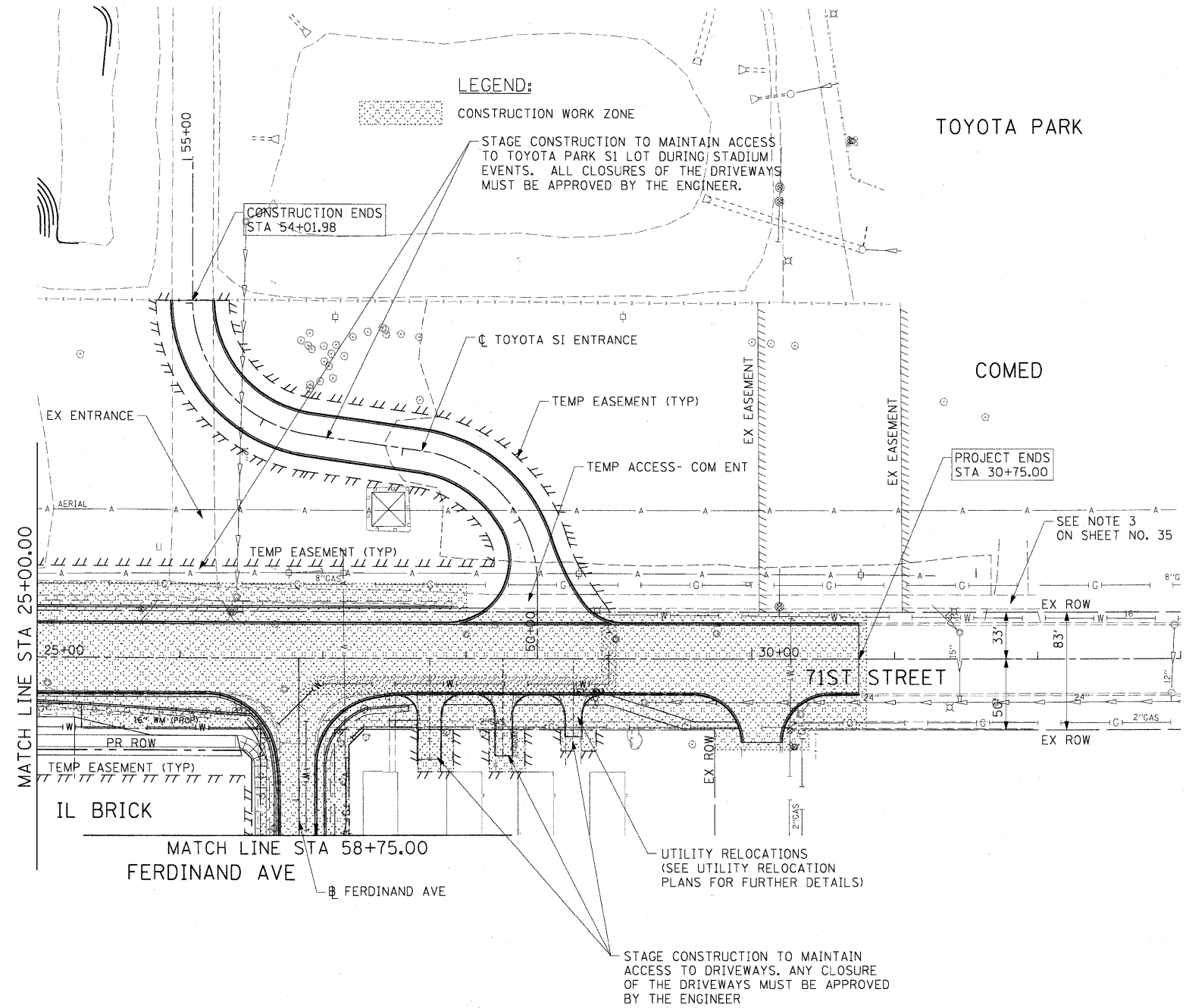
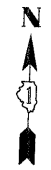
**WORK ZONE AND STAGING REQUIREMENTS PLAN -
 71ST ST**

SCALE: 1"=50' SHEET NO. 1 OF 10 SHEETS STA 15+50.00 TO STA 25+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1537	06-00050-00-GS	COOK	209	32
CONTRACT NO. 63556			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT CRE-9003(709)	

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STAGING NOTE:
1. FOR DRIVEWAY CLOSURES, SEE SHEET NO. 36



SUGGESTED 71ST ST AND FERDINAND AVE CONSTRUCTION AND TRAFFIC CONTROL

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PLOT DATE = 3/15/2011	CHECKED - TJW	REVISED -
	DATE - March 17, 2011	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WORK ZONE AND STAGING REQUIREMENTS PLAN -
71ST ST & FERDINAND AVE

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1537	06-00050-00-GS	COOK	209	33
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63556	
GRE-90037091				

SCALE: 1"=50' SHEET NO. 2 OF 10 SHEETS STA 25+00.00 TO STA 30+75.00

STAGING NOTES

- ALL WORK IN THIS STAGE SHALL BE DONE ACCORDING TO THE DETAILS IN THE PLANS AND USING THE APPROPRIATE HIGHWAY STANDARDS.
- THE TEMPORARY ACCESS IMPROVEMENTS FOR PEPSICO (SHOWN ON SHEET NO. 68) MUST BE COMPLETED PRIOR TO THE CLOSURE OR OBSTRUCTION OF THE EXISTING PEPSICO PLANT ENTRANCE OFF OF 71ST STREET.

PROJECT COMMITMENTS FOR PEPSICO (GOLDEN GRAIN)

- PROVIDE AT LEAST NINETY-SIX (96) HOURS ADVANCE WRITTEN NOTICE TO THE VILLAGE FOR ANY REQUESTED TEMPORARY UTILITY INTERRUPTION THAT MAY POTENTIALLY IMPACT PEPSICO OPERATIONS. ANY TEMPORARY UTILITY INTERRUPTIONS MUST OCCUR DURING ONE OF THE PLANNED SHUT-DOWNS OF THE PLANT OR A SHUT-DOWN PERIOD CONFIRMED IN WRITING BY THE MANAGER OF THE PLANT. UTILITY SERVICE MUST BE RESTORED NO LATER THAN THE SCHEDULED EXPIRATION OF THE PLANNED SHUT-DOWN OF THE PLANT DURING WHICH THE TEMPORARY UTILITY INTERRUPTION OCCURRED OR SOME OTHER TIME CONFIRMED IN WRITING BY THE MANAGER OF THE PLANT. SEE THE SPECIAL PROVISIONS FOR PEPSICO'S PLANT SHUT DOWN SCHEDULE.
- PROVIDE AT LEAST NINETY-SIX (96) HOURS ADVANCE WRITTEN NOTICE TO THE VILLAGE FOR ANY REQUESTED TEMPORARY OBSTRUCTION THAT WILL IMPACT TRUCK ACCESS TO ANY DOCK DOORS. THE DURATION OF ANY TEMPORARY OBSTRUCTION SHALL NOT BE IN EXCESS OF THE PERMITTED DURATION CONFIRMED IN WRITING BY THE MANAGER OF THE PLANT. IN NO EVENT SHALL ANY TEMPORARY OBSTRUCTION BE PERMITTED TO IMPEDE AND/OR OBSTRUCT PEPSICO'S TRUCK ACCESS TO THE PRIMARY SHIPPING DOCKS ON THE NORTH END OF THE PLANT.
- THE EMPLOYEES, AGENTS, CONTRACTORS AND INVITEES OF PEPSICO ARE PERMITTED TO USE THE MLRP TEMPORARY EASEMENT AREA FOR VEHICULAR AND PEDESTRIAN ACCESS DURING THE DURATION OF THE PROJECT. IN THE EVENT THAT PEPSICO'S USE OF THE MLRP EASEMENT AREA IS OBSTRUCTED AND/OR IMPEDED, SUCH THAT PEPSICO IS UNABLE TO ACCESS THE PLANT FOR A PERIOD IN EXCESS OF ONE (1) BUSINESS DAY AS PART OF ITS REGULAR BUSINESS OPERATIONS, PEPSICO MAY TERMINATE THE EASEMENT AGREEMENT. UPON RECEIPT AND RECORDING OF SUCH NOTICE, ALL WORK AT THE EASEMENT AREA MUST CEASE AND ALL PERSONAL PROPERTY MUST BE REMOVED FROM THE EASEMENT AREA WITHIN THREE (3) BUSINESS DAYS.
- IF THE CONTRACTOR BLOCKS THE TEMPORARY ACCESS FOR ANY REASON, THE MAIN ENTRANCE NEEDS TO BE OPENED AND ACCESSIBLE WITHIN ONE (1) BUSINESS DAY.
- A 53' TRAILER MUST BE ABLE TO ACCESS THE WASTE COMPACTOR LOCATED IN THE WESTERNMOST LOADING DOCK.

LEGEND:
 CONSTRUCTION WORK ZONE

ML REALTY

PEPSICO

MAINTAIN ACCESS TO EXISTING PEDESTRIAN ENTRANCES AT ALL TIMES, INCLUDING ADA ROUTES. ANY TEMPORARY CLOSURES OR RESTRICTED ACCESS MUST BE APPROVED BY THE ENGINEER.

STAGE CONSTRUCTION TO MAINTAIN ACCESS TO LOADING DOCK AT ALL TIMES UNLESS OTHERWISE APPROVED BY THE ENGINEER. SEE NOTE 2.

ALTERNATE PEPSICO ENTRANCE SIGN

TEMP ACCESS - COM ENT

SEE NOTE 4

MAINTAIN ACCESS TO THE EXISTING TRANSMISSION TOWER FOR COMED FORCES.

71ST STREET

71ST STREET

SIGNODE

MATCH LINE STA 25+00.00

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DESIGNED - TJW
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 DATE - FEBRUARY 17, 2011

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

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

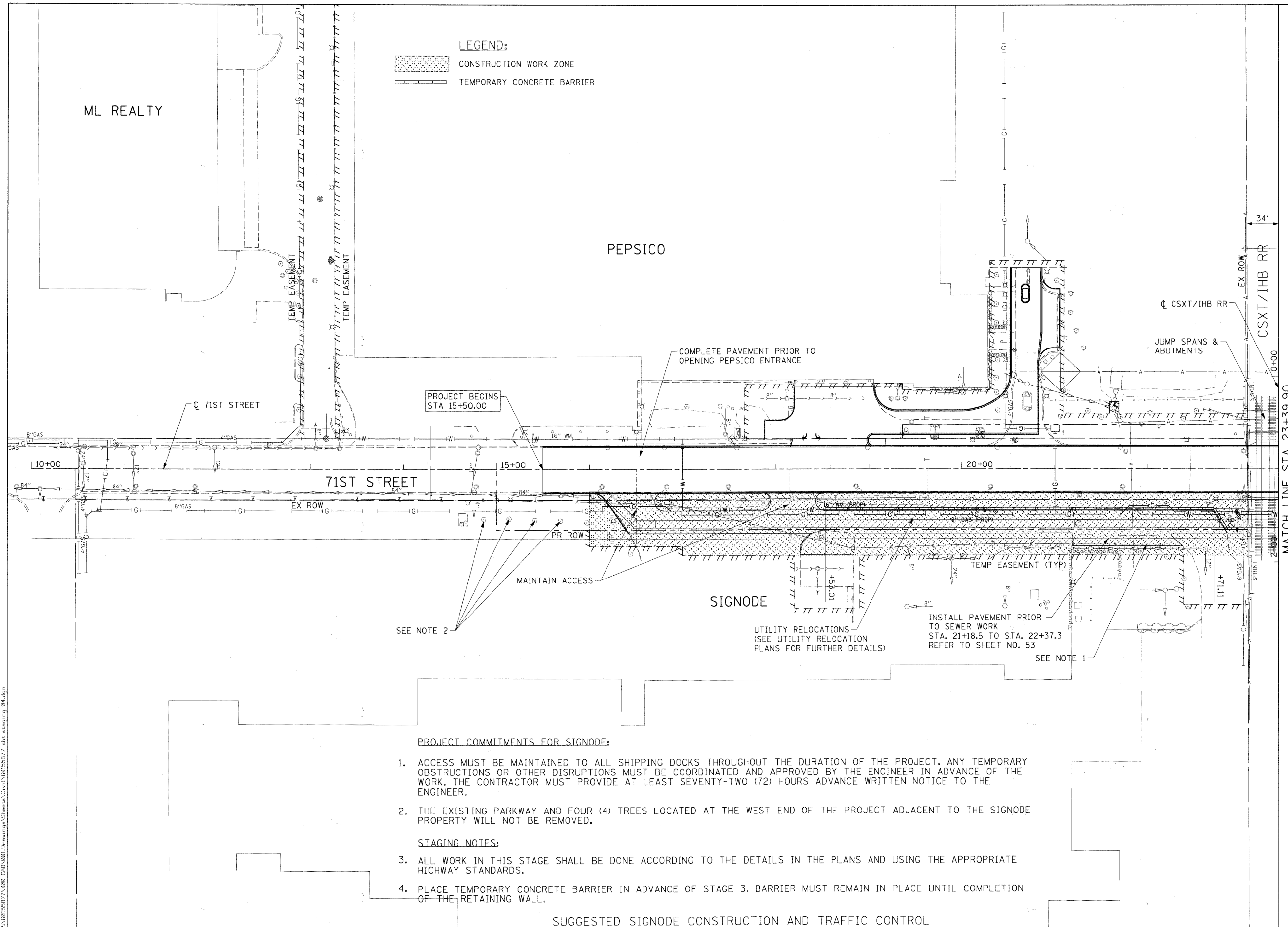
WORK ZONE AND STAGING REQUIREMENTS PLAN -
 PEPSICO

SCALE: 1"=50' SHEET NO. 3 OF 10 SHEETS STA 15+50.00 TO STA 25+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1537	06-00050-00-GS	COOK	209	34
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT CRE-9003709			CONTRACT NO. 63556	



LEGEND:
 CONSTRUCTION WORK ZONE
 TEMPORARY CONCRETE BARRIER



PROJECT BEGINS STA 15+50.00

SEE NOTE 2

SEE NOTE 1

PROJECT COMMITMENTS FOR SIGNODE:

1. ACCESS MUST BE MAINTAINED TO ALL SHIPPING DOCKS THROUGHOUT THE DURATION OF THE PROJECT. ANY TEMPORARY OBSTRUCTIONS OR OTHER DISRUPTIONS MUST BE COORDINATED AND APPROVED BY THE ENGINEER IN ADVANCE OF THE WORK. THE CONTRACTOR MUST PROVIDE AT LEAST SEVENTY-TWO (72) HOURS ADVANCE WRITTEN NOTICE TO THE ENGINEER.
2. THE EXISTING PARKWAY AND FOUR (4) TREES LOCATED AT THE WEST END OF THE PROJECT ADJACENT TO THE SIGNODE PROPERTY WILL NOT BE REMOVED.

STAGING NOTES:

3. ALL WORK IN THIS STAGE SHALL BE DONE ACCORDING TO THE DETAILS IN THE PLANS AND USING THE APPROPRIATE HIGHWAY STANDARDS.
4. PLACE TEMPORARY CONCRETE BARRIER IN ADVANCE OF STAGE 3. BARRIER MUST REMAIN IN PLACE UNTIL COMPLETION OF THE RETAINING WALL.

SUGGESTED SIGNODE CONSTRUCTION AND TRAFFIC CONTROL

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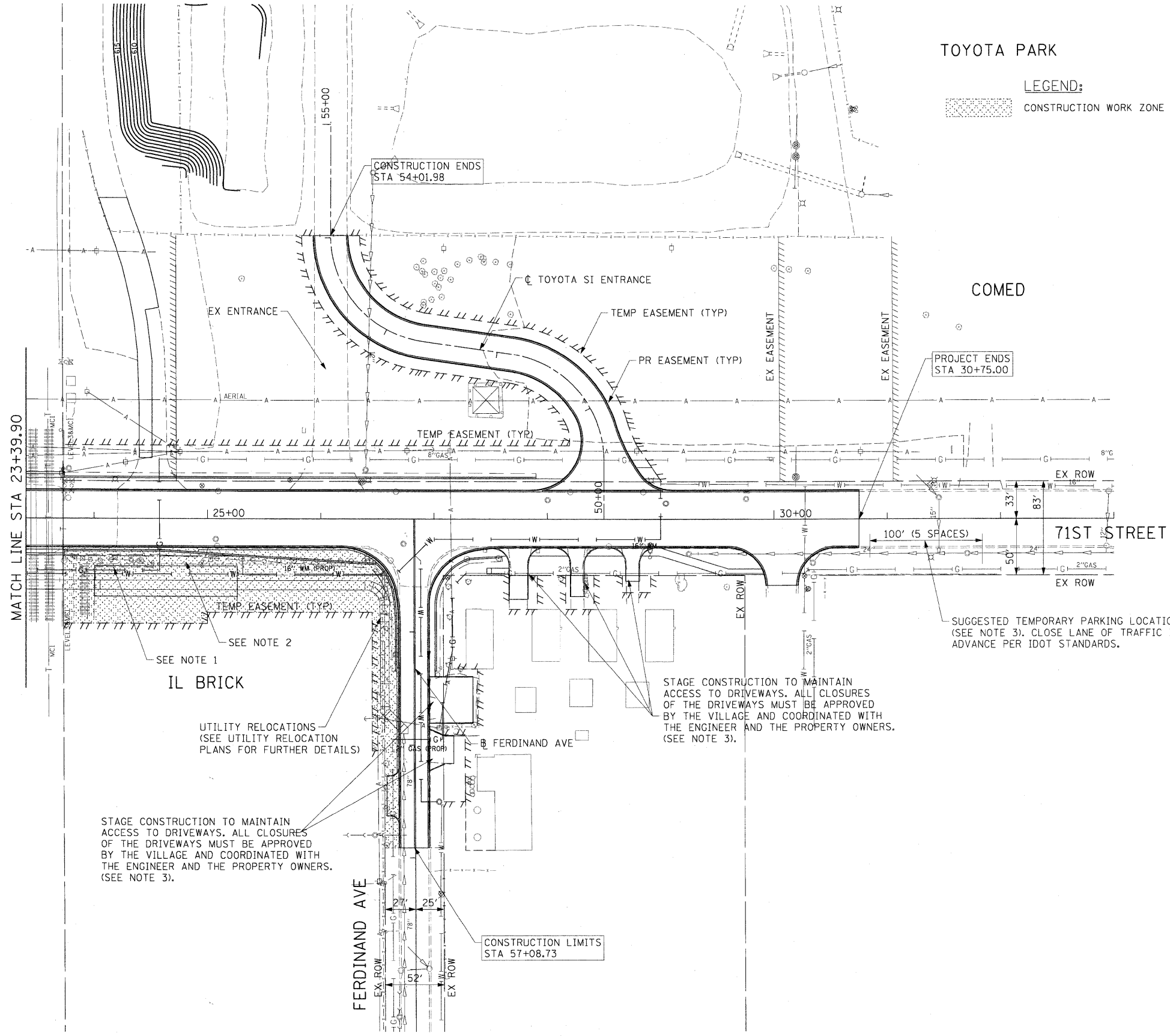
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**WORK ZONE AND STAGING REQUIREMENTS PLAN -
SIGNODE**
 SCALE: 1"=50' SHEET NO. 5 OF 10 SHEETS STA 15+50.00 TO STA 25+00.00

F.A.U. RTE. 1537	SECTION 06-00050-00-GS	COUNTY COOK	TOTAL SHEETS 209	SHEET NO. 35
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT CRE-900317091				

CONTRACT NO. 63556

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TOYOTA PARK

LEGEND:
 [Hatched Box] CONSTRUCTION WORK ZONE

PROJECT COMMITMENTS FOR ILLINOIS BRICK AND RESIDENCES:

1. THE EXISTING ILLINOIS BRICK DRIVEWAY OFF OF 71ST STREET WILL BE PERMANENTLY CLOSED PRIOR TO THE START OF CONSTRUCTION BY ILLINOIS BRICK.
2. TEMPORARY FENCING MUST BE PROVIDED TO RESTRICT ACCESS TO THE ILLINOIS BRICK PROPERTY AT ALL TIMES DURING CONSTRUCTION UNTIL THE PERMANENT FENCE IS INSTALLED.
3. FOR APPROVED DRIVEWAY CLOSURES, PROVIDE TEMPORARY PARKING FOR THE IMPACTED PROPERTY OWNER(S) AT A DESIGNATED LOCATION WITHIN 400 FEET OF THE PROPERTY. THE TEMPORARY PARKING LOCATION MUST BE APPROVED BY THE ENGINEER AND PROVIDE A MINIMUM OF ONE (1) PARKING SPACE PER PROPERTY. PEDESTRIAN ACCESS MUST BE MAINTAINED TO THE PROPERTY AT ALL TIMES. PROVIDE AN ADA COMPLIANT WALKWAY FOR THE SAFE TRAVEL OF PEDESTRIANS.

STAGING NOTES:

4. ALL WORK IN THIS STAGE SHALL BE DONE ACCORDING TO THE DETAILS IN THE PLANS AND USING THE APPROPRIATE HIGHWAY STANDARDS.

STAGE CONSTRUCTION TO MAINTAIN ACCESS TO DRIVEWAYS. ALL CLOSURES OF THE DRIVEWAYS MUST BE APPROVED BY THE VILLAGE AND COORDINATED WITH THE ENGINEER AND THE PROPERTY OWNERS. (SEE NOTE 3).

STAGE CONSTRUCTION TO MAINTAIN ACCESS TO DRIVEWAYS. ALL CLOSURES OF THE DRIVEWAYS MUST BE APPROVED BY THE VILLAGE AND COORDINATED WITH THE ENGINEER AND THE PROPERTY OWNERS. (SEE NOTE 3).

SUGGESTED TEMPORARY PARKING LOCATION (SEE NOTE 3). CLOSE LANE OF TRAFFIC IN ADVANCE PER IDOT STANDARDS.

SUGGESTED ILLINOIS BRICK CONSTRUCTION AND TRAFFIC CONTROL



USER NAME = marnj	DESIGNED = TJW	REVISED =
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PLOT DATE = 3/15/2011	CHECKED = TJW	REVISED =
DATE = March 17, 2011	DATE =	REVISED =

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

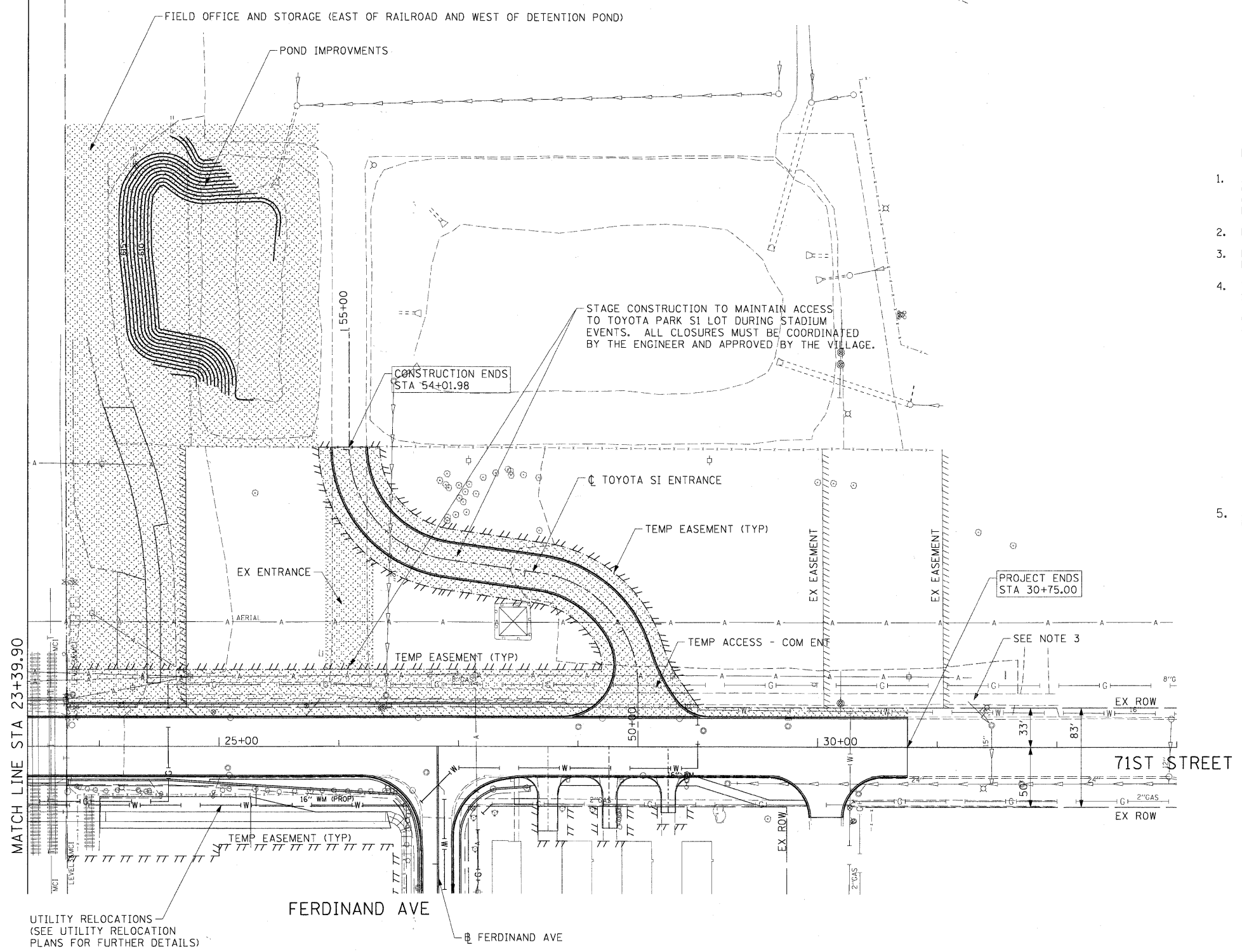
WORK ZONE AND STAGING REQUIREMENTS PLAN -
 ILLINOIS BRICK

SCALE: 1"=50' SHEET NO. 6 OF 10 SHEETS STA 25+00.00 TO STA 30+75.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1537	06-00050-00-GS	COOK	209	36
CONTRACT NO. 63556			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT CRE-9003(709)	

LEGEND:

 CONSTRUCTION WORK ZONE



PROJECT COMMITMENTS FOR TOYOTA PARK AND COM ED.

1. ACCESS MUST BE MAINTAINED TO THE TOYOTA PARK S1 PARKING LOT DURING ALL STADIUM EVENTS. CONSTRUCTION MUST BE STAGED TO NOT INTERFERE WITH STADIUM OPERATIONS. ANY TEMPORARY CLOSURES, OBSTRUCTIONS OR OTHER DISRUPTIONS MUST BE COORDINATED AND APPROVED BY THE ENGINEER IN ADVANCE OF THE WORK.
2. REFER TO THE SPECIAL PROVISIONS FOR ADDITIONAL REQUIREMENTS FOR TOYOTA PARK.
3. MAINTAIN PEDESTRIAN ACCESS ALONG THE NORTHSIDE OF 71ST STREET BETWEEN BELOIT AVENUE AND HARLEM AVENUE THROUGHOUT THE DURATION OF THE PROJECT.
4. THE CONTRACTOR MUST FOLLOW ALL OVERHEAD ELECTRICAL LINE CLEARANCE REQUIREMENTS AS STATED IN THE OSHA STANDARDS. COMED HAS BOTH DISTRIBUTION AND TRANSMISSION LINES WITHIN THE PROJECT LIMITS. IN THE EVENT THE CONTRACTOR REQUIRES AN ELECTRICAL OUTAGE, THE CONTRACTOR MUST PUT IN A REQUEST TO TIM COSLET WITH COMED AT 815-724-5010 A MINIMUM OF 8 WEEKS IN ADVANCE OF THE OUTAGE DAY(S).

STAGING NOTES:

5. ALL WORK IN THIS STAGE SHALL BE DONE ACCORDING TO THE DETAILS IN THE PLANS AND USING THE APPROPRIATE HIGHWAY STANDARDS.

SUGGESTED TOYOTA PARK CONSTRUCTION AND TRAFFIC CONTROL

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	DATE - FEBRUARY 17, 2011	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**WORK ZONE AND STAGING REQUIREMENTS PLAN -
TOYOTA PARK**

SCALE: 1"=50' SHEET NO. 4 OF 10 SHEETS STA 25+00.00 TO STA 30+75.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1537	06-00050-00-GS	COOK	209	37
CONTRACT NO. 63556				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT CRE-9003709				

PEPSICO ACCESS DRIVE DRAINAGE STRUCTURE SCHEDULE

STRUCTURE NO.	STATION	ALIGNMENT	OFFSET (FT)	STRUCTURE TYPE	FRAME AND GRATE	RIM ELEV. (FT)	INVERT ELEV. (N)	INVERT ELEV. (S)	INVERT ELEV. (E)	INVERT ELEV. (W)	STANDARD DETAIL	PAY ITEM NO.	COMMENTS
S 132	101+55.00	PEPSI	37.10' RT	CATCH BASINS, TYPE A, 4'-DIAMETER	TYPE 24 F&G	615.31	610.07				602001	60201340	
S 133	101+57.00	PEPSI	32.80' RT	MANHOLES, TYPE A, 6'-DIAMETER	TYPE 1 FRAME CL	615.46	609.02	610.02	610.02	609.02	602406-02	60223800	
S 134	102+14.00	PEPSI	14.94' RT	CATCH BASINS, TYPE A, 4'-DIAMETER	TYPE 12 F&G	616.39		609.41			602001	60201205	
S 137	100+99.00	PEPSI	12.00' RT	CATCH BASINS, TYPE A, 4'-DIAMETER	TYPE 24 F&G	615.58	610.18				602001	60201340	
S 138	100+99.00	PEPSI	6.50' RT	MANHOLES, TYPE A, 4'-DIAMETER	TYPE 1 FRAME CL	615.62	609.64	610.14	608.64	608.64	602401-01	60218400	
S 139	100+39.00	PEPSI	12.00' RT	CATCH BASINS, TYPE A, 4'-DIAMETER	TYPE 24 F&G	614.66	609.38				602001	60201340	
S 140	100+39.00	PEPSI	6.50' RT	MANHOLES, TYPE A, 4'-DIAMETER	TYPE 1 FRAME CL	614.69		609.34	608.34	608.34	602401-01	60218400	
S 153 (EX)	101+01.53	PEPSI	31.68' LT	EXISTING CATCH BASIN		617.17	609.87 (EX)	609.85	609.89 (EX)				

TOYOTA PARK ENTRANCE DRAINAGE STRUCTURE SCHEDULE

STRUCTURE NO.	STATION	ALIGNMENT	OFFSET (FT)	STRUCTURE TYPE	FRAME AND GRATE	RIM ELEV. (FT)	INVERT ELEV. (N)	INVERT ELEV. (S)	INVERT ELEV. (E)	INVERT ELEV. (W)	STANDARD DETAIL	PAY ITEM NO.	COMMENTS
S 213	52+50.00	TOYOTA	14.00' LT	INLETS, TYPE A	TYPE 12 F&G	616.79	612.72				602301-01	60236900	
S 214	52+50.00	TOYOTA	14.00' RT	CATCH BASINS, TYPE A, 4'-DIAMETER	TYPE 12 F&G	616.79		611.52	611.52 (SE)		602001	60201205	
S 215	51+25.00	TOYOTA	14.00' LT	INLETS, TYPE A	TYPE 12 F&G	614.91	610.84 (NE)				602301-01	60236900	
S 216	51+25.00	TOYOTA	14.00' RT	CATCH BASINS, TYPE A, 4'-DIAMETER	TYPE 12 F&G	614.91	609.64 (NW)	609.64		609.64 (SW)	602001	60201205	
S 217	50+60.00	TOYOTA	14.00' RT	CATCH BASINS, TYPE A, 4'-DIAMETER	TYPE 12 F&G	614.34	609.07	609.07			602001	60201205	
S 218	50+48.93	TOYOTA	14.00' RT	CATCH BASINS, TYPE A, 4'-DIAMETER	TYPE 12 F&G	614.33	608.93			608.93	602001	60201205	
S 219	50+60.00	TOYOTA	14.00' LT	INLETS, TYPE A	TYPE 12 F&G	614.34		609.12			602301-01	60236900	
S 220	50+48.93	TOYOTA	14.00' LT	CATCH BASINS, TYPE A, 4'-DIAMETER	TYPE 12 F&G	614.33	609.02	608.68	608.68		602001	60201205	

FERDINAND AVENUE DRAINAGE STRUCTURE SCHEDULE

STRUCTURE NO.	STATION	ALIGNMENT	OFFSET (FT)	STRUCTURE TYPE	FRAME AND GRATE	RIM ELEV. (FT)	INVERT ELEV. (N)	INVERT ELEV. (S)	INVERT ELEV. (E)	INVERT ELEV. (W)	STANDARD DETAIL	PAY ITEM NO.	COMMENTS
S 204	59+40.00	FERDINAND	16.95' LT	INLETS, TYPE A	TYPE 12 F&G	610.20			606.33		602301-01	60236900	
S 205	59+50.00	FERDINAND	18.45' RT	CATCH BASINS, TYPE A, 4'-DIAMETER	TYPE 12 F&G	609.68	606.14			606.14	602001	60201205	FLAT SLAB TOP
S 224	59+42.00	FERDINAND	30.00' RT	MANHOLES, TYPE A, 5'-DIAMETER	TYPE 1 FRAME CL	616.26	603.58	603.58			602401-01	60221100	
S 233	58+30.00	FERDINAND	13.00' LT	INLETS, TYPE A	TYPE 12 F&G	614.63			606.76		602301-01	60236900	
S 234	58+20.00	FERDINAND	11.00' RT	CATCH BASINS, TYPE A, 4'-DIAMETER	TYPE 12 F&G	614.89	608.19		605.62 (NE)	606.62	602001	60201205	
S 235	58+62.00	FERDINAND	25.00' RT	MANHOLES, TYPE A, 5'-DIAMETER	TYPE 1 FRAME CL	616.58	603.52	605.41 (SW)	609.40 (N)	603.52	602401-01	60221100	
S 236	59+00.00	FERDINAND	13.00' LT	INLETS, TYPE A	TYPE 12 F&G	612.12			608.72		602301-01	60236900	
S 237	59+00.00	FERDINAND	11.00' RT	CATCH BASINS, TYPE A, 4'-DIAMETER	TYPE 12 F&G	612.20		608.59		608.59	602001	60201205	FLAT SLAB TOP
S 240	58+75.00	FERDINAND	25.00' RT	CATCH BASINS, TYPE A, 4'-DIAMETER	TYPE 8 GRATE	614.87		609.92			602001	60200805	

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	DATE - FEBRUARY 17, 2011	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DRAINAGE SCHEDULE OF QUANTITIES

SCALE: NONE SHEET NO. 2 OF 5 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1537	06-00050-00-G5	COOK	209	40
CONTRACT NO. 63556			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT CRE-900317091	

PEPSICO ACCESS DRIVE STORM SEWER SCHEDULE

PIPE NO.	PIPE PAY ITEM NAME	FROM STRUCTURE	FROM STATION	TO STRUCTURE	TO STATION	TYPE	DIAMETER (INCH)	LENGTH (FT)	TRENCH BACKFILL (CU YD)	PAY ITEM NO.
P 132	STORM SEWERS, CLASS A, TYPE 2 12"	S 132	101+55.00	S 133	101+57.00	2	12	5	2.8	550A0340
P 133	STORM SEWERS, CLASS A, TYPE 2 15"	S 133	101+57.00	S 138	100+99.00	2	15	75	60.3	550A0360
P 134	STORM SEWERS, CLASS A, TYPE 2 12"	S 134	102+14.00	S 133	101+57.00	2	12	78	61.1	550A0340
P 137	STORM SEWERS, CLASS A, TYPE 2 12"	S 137	100+99.00	S 138	100+99.00	2	12	5	2.9	550A0340
P 138	STORM SEWERS, CLASS A, TYPE 2 15"	S 138	100+99.00	S 140	100+39.00	2	15	60	47.8	550A0360
P 139	STORM SEWERS, CLASS A, TYPE 2 12"	S 139	100+39.00	S 140	100+39.00	2	12	5	2.8	550A0340
P 140	STORM SEWERS, CLASS A, TYPE 2 15"	S 140	100+39.00	S 141	18+58.00	2	15	81	64.0	550A0360
P 153	STORM SEWERS, CLASS A, TYPE 2 15"	S 153 (EX)	101+01.53	S 138	100+99.00	2	15	38	20.6	550A0360
TRENCH BACKFILL SUB-TOTAL:									262.4	

TOYOTA PARK ENTRANCE STORM SEWER SCHEDULE

PIPE NO.	PIPE PAY ITEM NAME	FROM STRUCTURE	FROM STATION	TO STRUCTURE	TO STATION	TYPE	DIAMETER (INCH)	LENGTH (FT)	TRENCH BACKFILL (CU YD)	PAY ITEM NO.
P 213	STORM SEWERS, CLASS A, TYPE 2 12"	S 213	52+50.00	S 214	52+50.00	2	12	30	8.7	550A0340
P 214	STORM SEWERS, CLASS A, TYPE 2 12"	S 214	52+50.00	S 216	51+25.00	2	12	132	72.9	550A0340
P 215	STORM SEWERS, CLASS A, TYPE 2 12"	S 215	51+25.00	S 214	52+50.00	2	12	30	18.2	550A0340
P 216	STORM SEWERS, CLASS A, TYPE 2 12"	S 216	51+25.00	S 217	50+60.00	2	12	76	42.0	550A0340
P 217	STORM SEWERS, CLASS A, TYPE 2 12"	S 217	50+60.00	S 218	50+48.93	2	12	14	7.9	550A0340
P 218	STORM SEWERS, CLASS A, TYPE 2 15"	S 218	50+48.93	S 220	50+48.93	2	15	51	30.7	550A0360
P 219	STORM SEWERS, CLASS A, TYPE 2 12"	S 219	50+60.00	S 220	50+48.93	2	12	10	5.5	550A0340
P 220	STORM SEWER (WATER MAIN REQUIREMENTS) 15 INCH	S 220	50+48.93	S 221	28+05.00	2	15	76	44.8	Z0056610
TRENCH BACKFILL SUB-TOTAL:									230.7	

FERDINAND AVENUE STORM SEWER SCHEDULE

PIPE NO.	PIPE PAY ITEM NAME	FROM STRUCTURE	FROM STATION	TO STRUCTURE	TO STATION	TYPE	DIAMETER (INCH)	LENGTH (FT)	TRENCH BACKFILL (CU YD)	PAY ITEM NO.
P 204	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	S 204	59+40.00	S 205	59+50.00	1	12	38	7.1	Z0056608
P 205	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	S 205	59+50.00	S 206	27+10.00	1	12	75	12.6	Z0056608
P 224	STORM SEWERS, CLASS A, TYPE 2 42"	S 224	59+42.00	S 235	58+62.00	2	42	84	0.0	550A0470
P 233	STORM SEWERS, CLASS A, TYPE 2 12"	S 233	58+30.00	S 234	58+20.00	2	12	28	28.1	550A0340
P 234	STORM SEWERS, CLASS A, TYPE 2 12"	S 234	58+20.00	S 235	58+62.00	2	12	44	59.3	550A0340
P 235	STORM SEWERS, CLASS A, TYPE 2 42"	S 235	58+62.00	PROP. 84" S.S.	58+58.00	2	42	53	126.6	550A0470
P 236	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	S 236	59+00.00	S 237	59+00.00	1	12	26	4.3	Z0056608
P 237	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	S 237	59+00.00	S 234	58+20.00	2	12	80	42.7	Z0056608
P 240	STORM SEWERS, CLASS A, TYPE 2 12"	S 240	58+75.00	S 235	58+62.00	2	12	13	0.0	550A0340
TRENCH BACKFILL SUB-TOTAL:									280.7	

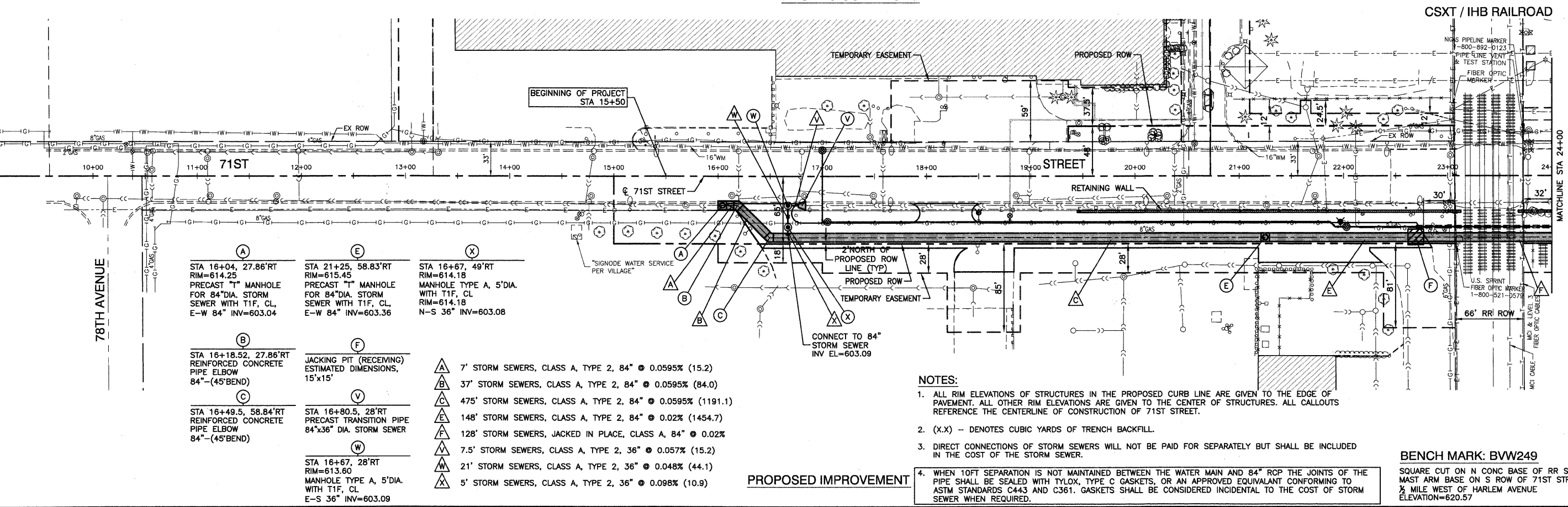
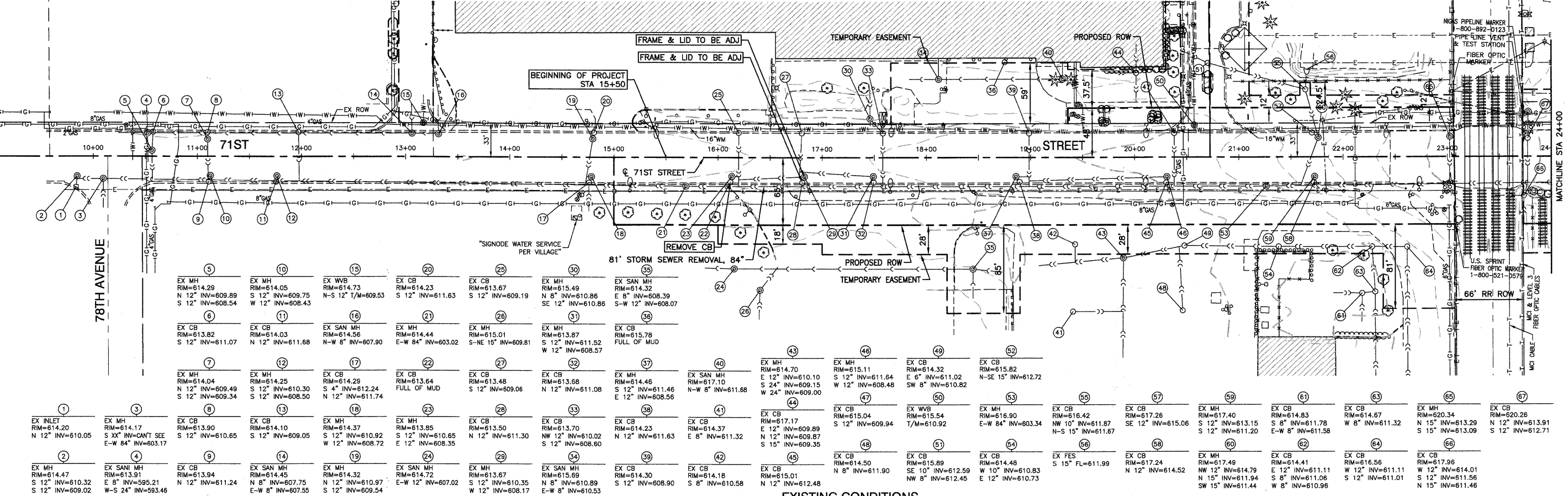
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SECTION 24, TOWNSHIP 38, RANGE 12
SECTION 25, TOWNSHIP 38, RANGE 12

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NOTE BOOK	
NO.	



EX MH RIM=614.20 N 12° INV=610.05	EX MH RIM=614.17 S XX° INV=CANT SEE E-W 84° INV=603.17	EX CB RIM=613.90 S 12° INV=610.65	EX CB RIM=614.10 S 12° INV=609.05	EX MH RIM=614.37 S 12° INV=610.92	EX MH RIM=613.85 S 12° INV=610.65	EX CB RIM=613.50 N 12° INV=611.30	EX CB RIM=613.70 NW 12° INV=610.02	EX SAN MH RIM=615.69 N 8° INV=610.89	EX CB RIM=614.30 S 12° INV=608.90	EX CB RIM=614.18 S 8° INV=610.58	EX CB RIM=615.01 S 12° INV=609.81	EX MH RIM=613.87 S 12° INV=611.52	EX CB RIM=615.78 FULL OF MUD	EX MH RIM=614.70 E 12° INV=610.10	EX MH RIM=615.11 S 12° INV=611.64	EX CB RIM=614.32 E 6° INV=611.02	EX CB RIM=615.82 N-SE 15° INV=612.72	EX MH RIM=614.04 N 12° INV=609.49	EX MH RIM=614.25 S 12° INV=610.30	EX CB RIM=614.29 S 4° INV=612.24	EX CB RIM=613.64 FULL OF MUD	EX CB RIM=613.48 S 12° INV=609.06	EX CB RIM=613.68 N 12° INV=611.08	EX MH RIM=614.46 E 12° INV=608.56	EX SAN MH RIM=617.10 N-W 8° INV=611.88	EX MH RIM=617.17 E 12° INV=609.89	EX CB RIM=615.04 S 12° INV=609.94	EX WVB RIM=615.54 T/M=610.92	EX MH RIM=616.90 E-W 84° INV=603.34	EX CB RIM=616.42 NW 10° INV=611.87	EX CB RIM=617.26 SE 12° INV=615.06	EX MH RIM=617.40 S 12° INV=613.15	EX CB RIM=614.83 S 8° INV=611.78	EX CB RIM=614.67 W 8° INV=611.32	EX MH RIM=620.34 N 15° INV=613.29	EX CB RIM=620.26 N 12° INV=613.91	EX MH RIM=614.47 S 12° INV=609.02	EX SANI MH RIM=613.91 E 8° INV=595.21 W-S 24° INV=593.46	EX CB RIM=613.94 N 12° INV=611.24	EX SAN MH RIM=614.45 N 8° INV=607.75	EX MH RIM=614.32 N 12° INV=610.97	EX SAN MH RIM=614.72 E-W 12° INV=607.02	EX MH RIM=613.67 S 12° INV=610.35	EX SAN MH RIM=615.69 N 8° INV=610.89	EX CB RIM=614.30 S 12° INV=608.90	EX CB RIM=614.18 S 8° INV=610.58	EX CB RIM=615.01 S 12° INV=609.81	EX MH RIM=613.87 S 12° INV=611.52	EX CB RIM=615.78 FULL OF MUD	EX MH RIM=614.70 E 12° INV=610.10	EX MH RIM=615.11 S 12° INV=611.64	EX CB RIM=614.32 E 6° INV=611.02	EX CB RIM=615.82 N-SE 15° INV=612.72	EX MH RIM=614.04 N 12° INV=609.49	EX MH RIM=614.25 S 12° INV=610.30	EX CB RIM=614.29 S 4° INV=612.24	EX CB RIM=613.64 FULL OF MUD	EX CB RIM=613.48 S 12° INV=609.06	EX CB RIM=613.68 N 12° INV=611.08	EX MH RIM=614.46 E 12° INV=608.56	EX SAN MH RIM=617.10 N-W 8° INV=611.88	EX MH RIM=617.17 E 12° INV=609.89	EX CB RIM=615.04 S 12° INV=609.94	EX WVB RIM=615.54 T/M=610.92	EX MH RIM=616.90 E-W 84° INV=603.34	EX CB RIM=616.42 NW 10° INV=611.87	EX CB RIM=617.26 SE 12° INV=615.06	EX MH RIM=617.40 S 12° INV=613.15	EX CB RIM=614.83 S 8° INV=611.78	EX CB RIM=614.67 W 8° INV=611.32	EX MH RIM=620.34 N 15° INV=613.29	EX CB RIM=620.26 N 12° INV=613.91	EX MH RIM=614.47 S 12° INV=609.02	EX SANI MH RIM=613.91 E 8° INV=595.21 W-S 24° INV=593.46	EX CB RIM=613.94 N 12° INV=611.24	EX SAN MH RIM=614.45 N 8° INV=607.75	EX MH RIM=614.32 N 12° INV=610.97	EX SAN MH RIM=614.72 E-W 12° INV=607.02	EX MH RIM=613.67 S 12° INV=610.35	EX SAN MH RIM=615.69 N 8° INV=610.89	EX CB RIM=614.30 S 12° INV=608.90	EX CB RIM=614.18 S 8° INV=610.58	EX CB RIM=615.01 S 12° INV=609.81	EX MH RIM=613.87 S 12° INV=611.52	EX CB RIM=615.78 FULL OF MUD	EX MH RIM=614.70 E 12° INV=610.10	EX MH RIM=615.11 S 12° INV=611.64	EX CB RIM=614.32 E 6° INV=611.02	EX CB RIM=615.82 N-SE 15° INV=612.72	EX MH RIM=614.04 N 12° INV=609.49	EX MH RIM=614.25 S 12° INV=610.30	EX CB RIM=614.29 S 4° INV=612.24	EX CB RIM=613.64 FULL OF MUD	EX CB RIM=613.48 S 12° INV=609.06	EX CB RIM=613.68 N 12° INV=611.08	EX MH RIM=614.46 E 12° INV=608.56	EX SAN MH RIM=617.10 N-W 8° INV=611.88	EX MH RIM=617.17 E 12° INV=609.89	EX CB RIM=615.04 S 12° INV=609.94	EX WVB RIM=615.54 T/M=610.92	EX MH RIM=616.90 E-W 84° INV=603.34	EX CB RIM=616.42 NW 10° INV=611.87	EX CB RIM=617.26 SE 12° INV=615.06	EX MH RIM=617.40 S 12° INV=613.15	EX CB RIM=614.83 S 8° INV=611.78	EX CB RIM=614.67 W 8° INV=611.32	EX MH RIM=620.34 N 15° INV=613.29	EX CB RIM=620.26 N 12° INV=613.91
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EXISTING CONDITIONS

<p>(A) STA 16+04, 27.86'RT RIM=614.25 PRECAST "T" MANHOLE FOR 84"DIA. STORM SEWER WITH T1F, CL, E-W 84° INV=603.04</p> <p>(B) STA 16+18.52, 27.86'RT REINFORCED CONCRETE PIPE ELBOW 84"-(45'BEND)</p> <p>(C) STA 16+49.5, 58.84'RT REINFORCED CONCRETE PIPE ELBOW 84"-(45'BEND)</p>	<p>(E) STA 21+25, 58.83'RT RIM=615.45 PRECAST "T" MANHOLE FOR 84"DIA. STORM SEWER WITH T1F, CL, E-W 84° INV=603.36</p> <p>(F) JACKING PIT (RECEIVING) ESTIMATED DIMENSIONS, 15'x15'</p>	<p>(X) STA 16+67, 49'RT RIM=614.18 MANHOLE TYPE A, 5'DIA. WITH T1F, CL RIM=614.18 N-S 36° INV=603.08</p>	<p>(V) STA 16+80.5, 28'RT PRECAST TRANSITION PIPE 84"x36" DIA. STORM SEWER</p> <p>(W) STA 16+67, 28'RT RIM=613.60 MANHOLE TYPE A, 5'DIA. WITH T1F, CL E-S 36° INV=603.09</p>
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- (A) 7' STORM SEWERS, CLASS A, TYPE 2, 84" @ 0.0595% (15.2)
- (B) 37' STORM SEWERS, CLASS A, TYPE 2, 84" @ 0.0595% (84.0)
- (C) 475' STORM SEWERS, CLASS A, TYPE 2, 84" @ 0.0595% (1191.1)
- (E) 148' STORM SEWERS, CLASS A, TYPE 2, 84" @ 0.02% (1454.7)
- (F) 128' STORM SEWERS, JACKED IN PLACE, CLASS A, 84" @ 0.02%
- (V) 7.5' STORM SEWERS, CLASS A, TYPE 2, 36" @ 0.057% (15.2)
- (W) 21' STORM SEWERS, CLASS A, TYPE 2, 36" @ 0.048% (44.1)
- (X) 5' STORM SEWERS, CLASS A, TYPE 2, 36" @ 0.098% (10.9)

PROPOSED IMPROVEMENT

NOTES:

- ALL RIM ELEVATIONS OF STRUCTURES IN THE PROPOSED CURB LINE ARE GIVEN TO THE EDGE OF PAVEMENT. ALL OTHER RIM ELEVATIONS ARE GIVEN TO THE CENTER OF STRUCTURES. ALL CALLOUTS REFERENCE THE CENTERLINE OF CONSTRUCTION OF 71ST STREET.
- (X,X) - DENOTES CUBIC YARDS OF TRENCH BACKFILL.
- DIRECT CONNECTIONS OF STORM SEWERS WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE STORM SEWER.
- WHEN 10FT SEPARATION IS NOT MAINTAINED BETWEEN THE WATER MAIN AND 84" RCP THE JOINTS OF THE PIPE SHALL BE SEALED WITH TYLOX, TYPE C GASKETS, OR AN APPROVED EQUIVALENT CONFORMING TO ASTM STANDARDS C443 AND C361. GASKETS SHALL BE CONSIDERED INCIDENTAL TO THE COST OF STORM SEWER WHEN REQUIRED.

BENCH MARK: BWV249

SQUARE CUT ON N CONC BASE OF RR SIGNAL
MAST ARM BASE ON S ROW OF 71ST STREET
1/2 MILE WEST OF HARLEM AVENUE
ELEVATION=620.57

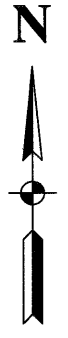
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CHECKED --	AG
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

71ST STREET	
STORM SEWER PLAN - 84"	
SCALE: 1"=50'	SHEET NO. 44 OF 209 SHEETS
STA. 15+50	TO STA. 24+00

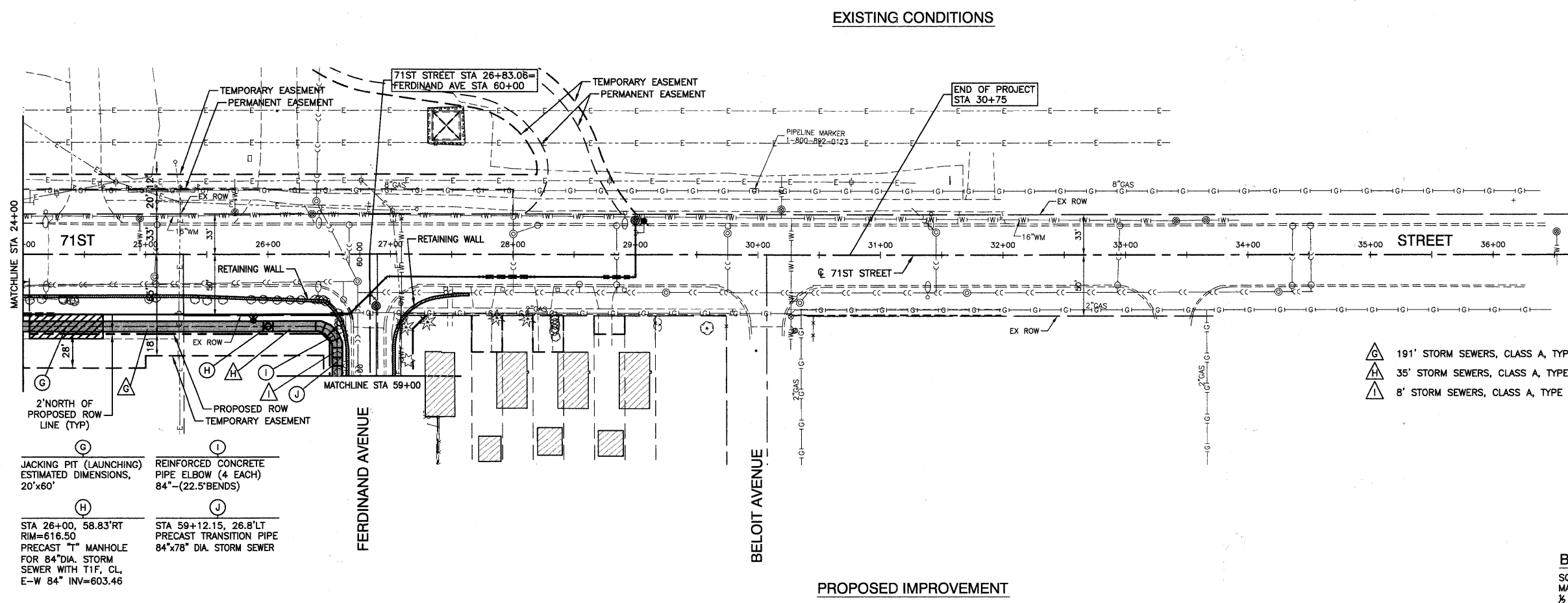
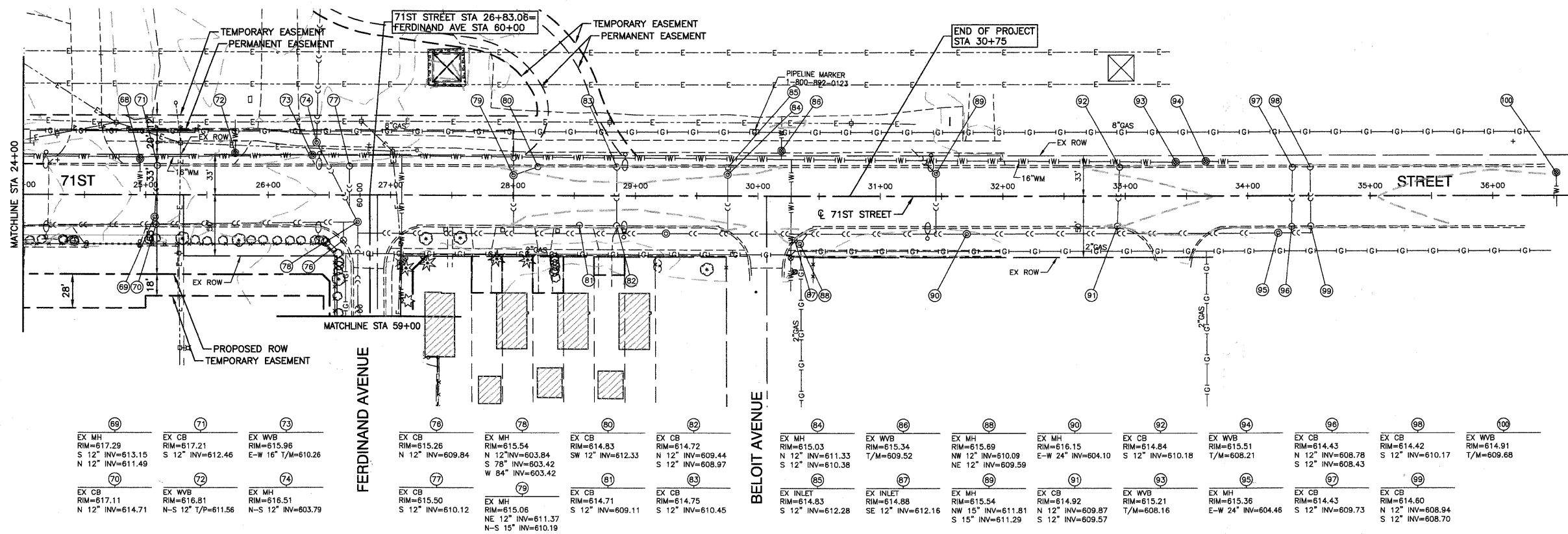
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1537	06-00050-00-GS	COOK	209	44
CONTRACT NO. 63556				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT CRE-9003(709)				





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FILE NO.	
PLAN NO.	

DATE	
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FILE NO.	
PROFILE NO.	



2' NORTH OF PROPOSED ROW LINE (TYP)

PROPOSED ROW TEMPORARY EASEMENT

RETAINING WALL

REINFORCED CONCRETE PIPE ELBOW (4 EACH) 84" - (22.5' BENDS)

PRECAST "T" MANHOLE FOR 84" DIA. STORM SEWER WITH T1F, CL, E-W 84" INV=603.46

PRECAST "T" MANHOLE FOR 84" DIA. STORM SEWER WITH T1F, CL, E-W 84" INV=603.46

STA 26+00, 58.83' RT RIM=616.50

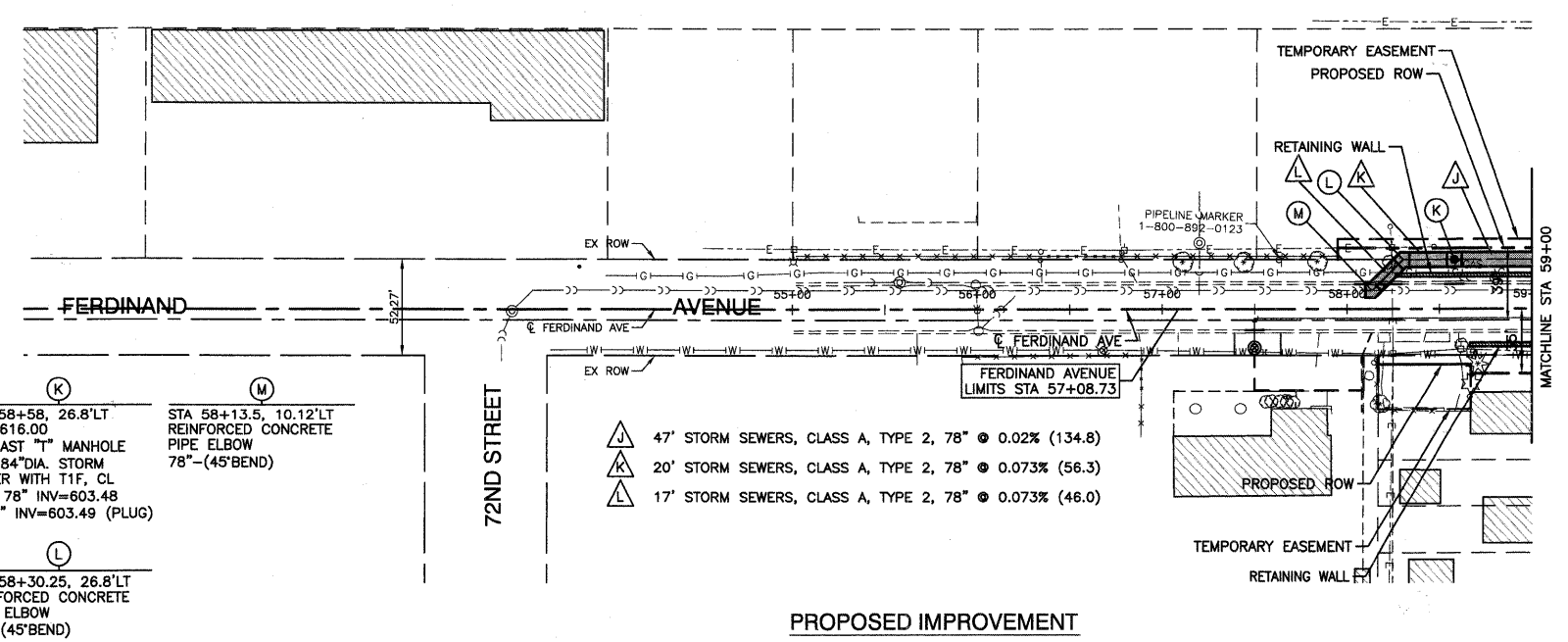
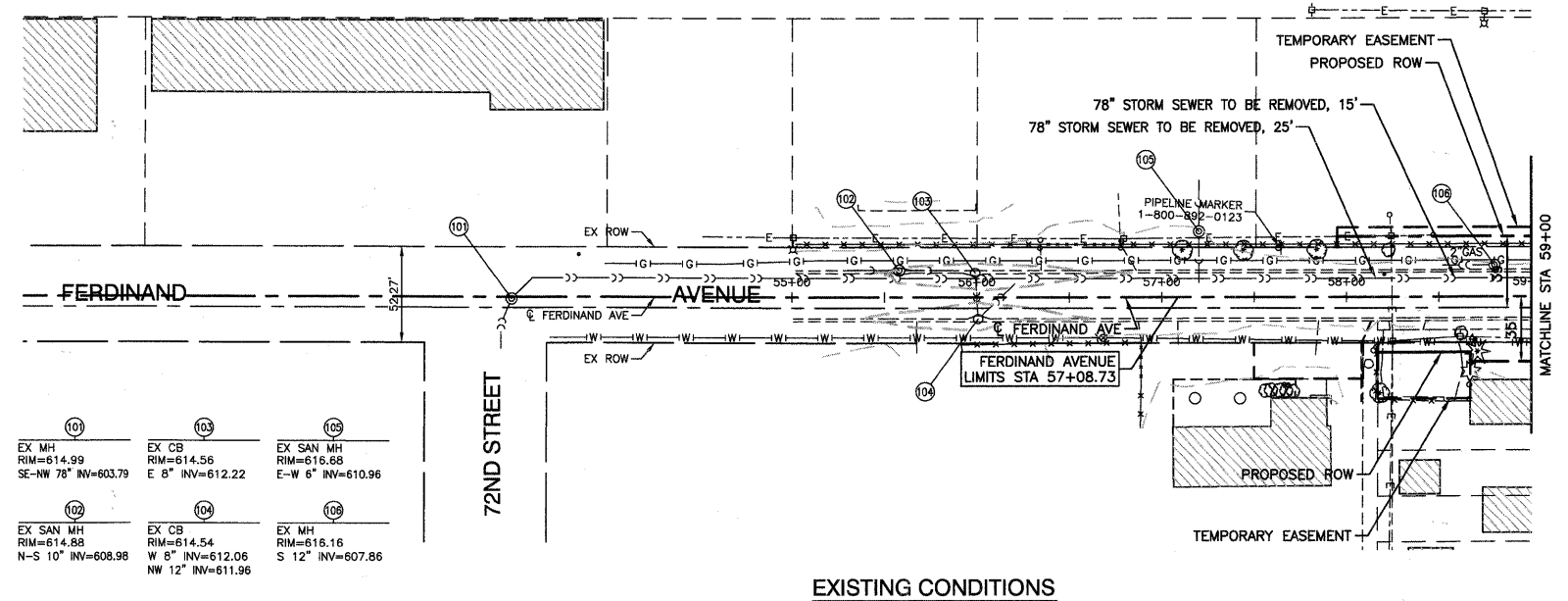
STA 59+12.15, 26.8' LT PRECAST TRANSITION PIPE 84"x78" DIA. STORM SEWER

- NOTES:**
- ALL RIM ELEVATIONS OF STRUCTURES IN THE PROPOSED CURB LINE ARE GIVEN TO THE EDGE OF PAVEMENT. ALL OTHER RIM ELEVATIONS ARE GIVEN TO THE CENTER OF STRUCTURES. ALL CALLOUTS REFERENCE THE CENTERLINE OF CONSTRUCTION OF 71ST STREET.
 - (X.X) - DENOTES CUBIC YARDS OF TRENCH BACKFILL.
 - DIRECT CONNECTIONS OF STORM SEWERS WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE STORM SEWER.
 - WHEN 10FT SEPARATION IS NOT MAINTAINED BETWEEN THE WATER MAIN AND 84" RCP THE JOINTS OF THE PIPE SHALL BE SEALED WITH TYLOX, TYPE C GASKETS, OR AN APPROVED EQUIVALENT CONFORMING TO ASTM STANDARDS C443 AND C361. GASKETS SHALL BE CONSIDERED INCIDENTAL TO THE COST OF STORM SEWER WHEN REQUIRED.

- 191' STORM SEWERS, CLASS A, TYPE 2, 84" @ 0.02% (692.6)
- 35' STORM SEWERS, CLASS A, TYPE 2, 84" @ 0.02% (95.5)
- 8' STORM SEWERS, CLASS A, TYPE 2, 84" @ 0.02% (23.0)

BENCH MARK: BVW249
SQUARE CUT ON N CONC BASE OF RR SIGNAL
MAST ARM BASE ON S ROW OF 71ST STREET
1/2 MILE WEST OF HARLEM AVENUE
ELEVATION=820.57

FILE NAME - 08353-PL-PR-01 - P02	USER NAME -	DESIGNED - PKB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	71ST STREET		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE -	CHECKED - PKB	REVISED -		STORM SEWER PLAN - 84"		1537	06-00050-00-GS	COOK	209	45	
PLOT DATE - 12/23/10	DRAWN - PS	CHECKED - AG	REVISED -	SCALE: 1"=50'	SHEET NO. 45	OF 209 SHEETS	STA. 24+00	TO STA. 30+75	CONTRACT NO. 63556			
							FED. ROAD DIST. NO. 1			ILLINOIS FED. AID PROJECT CRE-9003(709)		



101 EX MH RIM=614.99 SE-NW 78" INV=603.79	103 EX CB RIM=614.56 E 8" INV=612.22	105 EX SAN MH RIM=616.88 E-W 6" INV=610.96
102 EX SAN MH RIM=614.88 N-S 10" INV=608.98	104 EX CB RIM=614.54 W 8" INV=612.06 NW 12" INV=611.96	106 EX MH RIM=616.16 S 12" INV=607.86

K STA 58+58, 26.8'LT RIM=616.00 PRECAST "T" MANHOLE FOR 84"DIA. STORM SEWER WITH TIF, CL N-S 78" INV=603.48 E 42" INV=603.49 (PLUG)	M STA 58+13.5, 10.12'LT REINFORCED CONCRETE PIPE ELBOW 78"-(45'BEND)
L STA 58+30.25, 26.8'LT REINFORCED CONCRETE PIPE ELBOW 78"-(45'BEND)	

- ▲ 47" STORM SEWERS, CLASS A, TYPE 2, 78" @ 0.02% (134.8)
- ▲ 20" STORM SEWERS, CLASS A, TYPE 2, 78" @ 0.073% (56.3)
- ▲ 17" STORM SEWERS, CLASS A, TYPE 2, 78" @ 0.073% (46.0)

- NOTES:**
- ALL RIM ELEVATIONS OF STRUCTURES IN THE PROPOSED CURB LINE ARE GIVEN TO THE EDGE OF PAVEMENT. ALL OTHER RIM ELEVATIONS ARE GIVEN TO THE CENTER OF STRUCTURES. ALL CALLOUTS REFERENCE THE CENTERLINE OF CONSTRUCTION OF 71ST STREET.
 - (X.X) - DENOTES CUBIC YARDS OF TRENCH BACKFILL.
 - DIRECT CONNECTIONS OF STORM SEWERS WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE STORM SEWER.

BENCH MARK: BVW249
SQUARE CUT ON N CONC BASE OF RR SIGNAL
MAST ARM BASE ON S ROW OF 71ST STREET
1/2 MILE WEST OF HARLEM AVENUE
ELEVATION=620.57

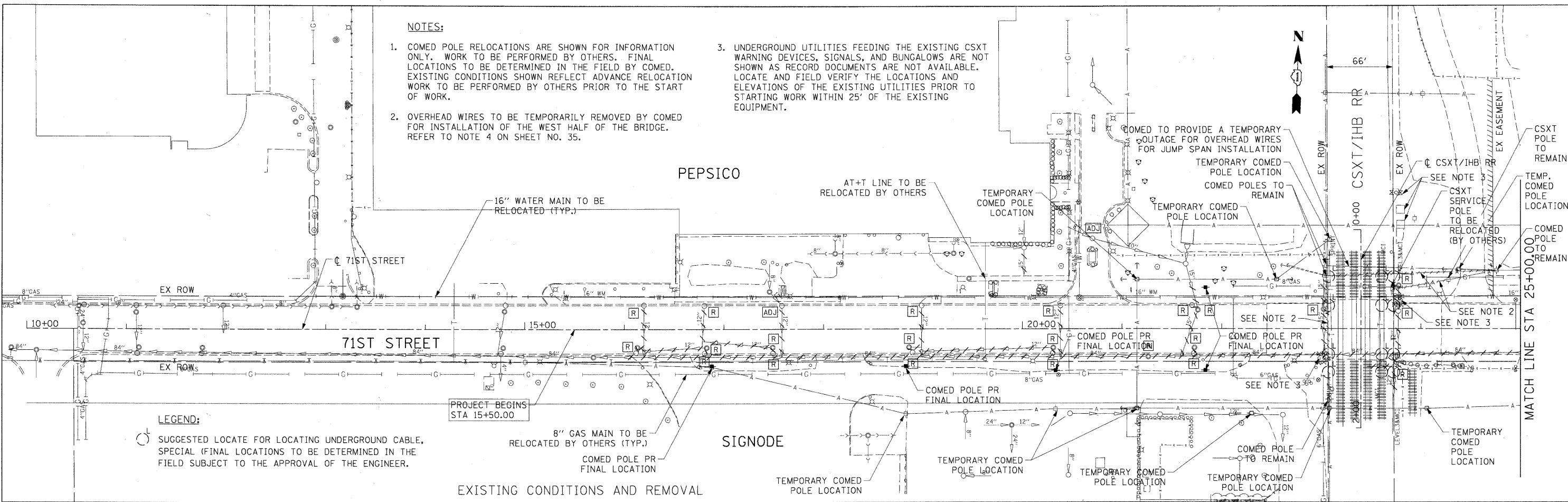
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	ADD FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	NOTE BOOK	
	NO.	

FILE NAME = 09353-PLP7-01 - P03	USER NAME =	DESIGNED -- PKB	REVISED --	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	71ST STREET		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		CHECKED -- PKB	REVISED --		STORM SEWER PLAN - 78"		1537	06-00050-00-GS	COOK	209	46	
		DRAWN -- PS	REVISED --		SCALE: H 1"=50' V 1"=5'		SHEET NO. 48 OF 209 SHEETS		STA. 57+08.73 TO STA. 59+00		CONTRACT NO. 63556	
		CHECKED -- AG	REVISED --		FED. ROAD DIST. NO. 1		ILLINOIS		FED. AID PROJECT		CRE-9003(709)	

NOTES:

1. COMED POLE RELOCATIONS ARE SHOWN FOR INFORMATION ONLY. WORK TO BE PERFORMED BY OTHERS. FINAL LOCATIONS TO BE DETERMINED IN THE FIELD BY COMED. EXISTING CONDITIONS SHOWN REFLECT ADVANCE RELOCATION WORK TO BE PERFORMED BY OTHERS PRIOR TO THE START OF WORK.
2. OVERHEAD WIRES TO BE TEMPORARILY REMOVED BY COMED FOR INSTALLATION OF THE WEST HALF OF THE BRIDGE. REFER TO NOTE 4 ON SHEET NO. 35.
3. UNDERGROUND UTILITIES FEEDING THE EXISTING CSXT WARNING DEVICES, SIGNALS, AND BUNGALOWS ARE NOT SHOWN AS RECORD DOCUMENTS ARE NOT AVAILABLE. LOCATE AND FIELD VERIFY THE LOCATIONS AND ELEVATIONS OF THE EXISTING UTILITIES PRIOR TO STARTING WORK WITHIN 25' OF THE EXISTING EQUIPMENT.



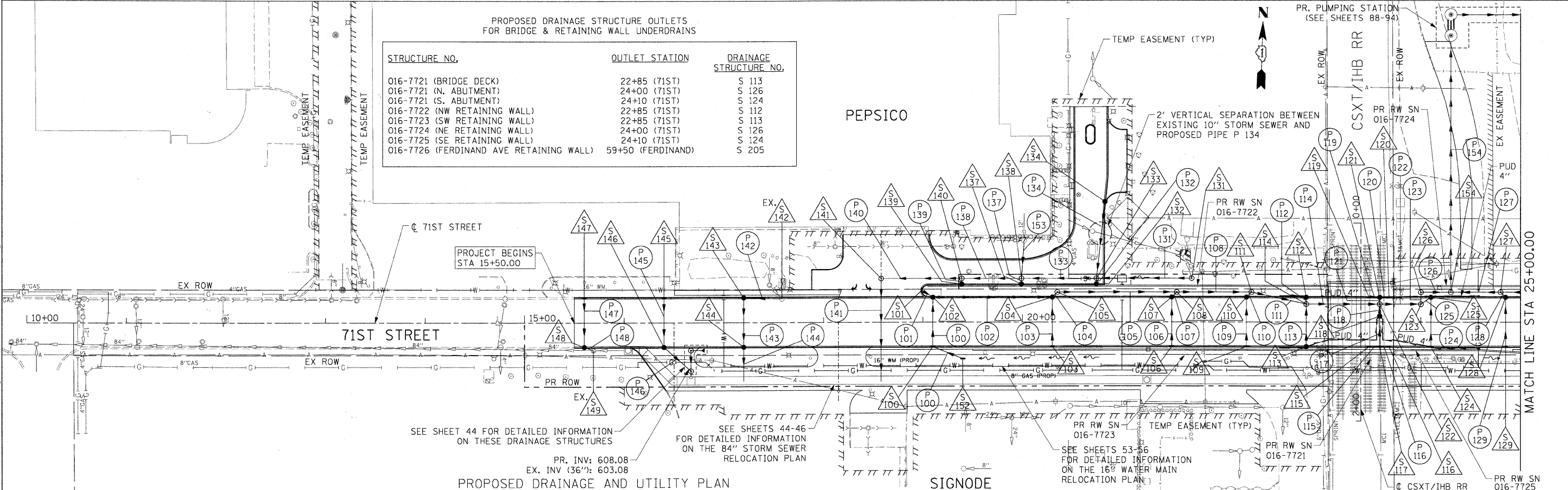
LEGEND:

○ SUGGESTED LOCATE FOR LOCATING UNDERGROUND CABLE, SPECIAL (FINAL LOCATIONS TO BE DETERMINED IN THE FIELD SUBJECT TO THE APPROVAL OF THE ENGINEER.

EXISTING CONDITIONS AND REMOVAL

PROPOSED DRAINAGE STRUCTURE OUTLETS FOR BRIDGE & RETAINING WALL UNDERDRAINS

STRUCTURE NO.	OUTLET STATION	DRAINAGE STRUCTURE NO.
016-7721 (BRIDGE DECK)	22+85 (71ST)	S 113
016-7721 (N. ABUTMENT)	24+00 (71ST)	S 126
016-7721 (S. ABUTMENT)	24+10 (71ST)	S 124
016-7722 (NW RETAINING WALL)	22+85 (71ST)	S 112
016-7723 (SW RETAINING WALL)	22+85 (71ST)	S 113
016-7724 (NE RETAINING WALL)	24+00 (71ST)	S 126
016-7725 (SE RETAINING WALL)	24+10 (71ST)	S 124
016-7726 (FERDINAND AVE RETAINING WALL)	59+50 (FERDINAND)	S 205



PROPOSED DRAINAGE AND UTILITY PLAN



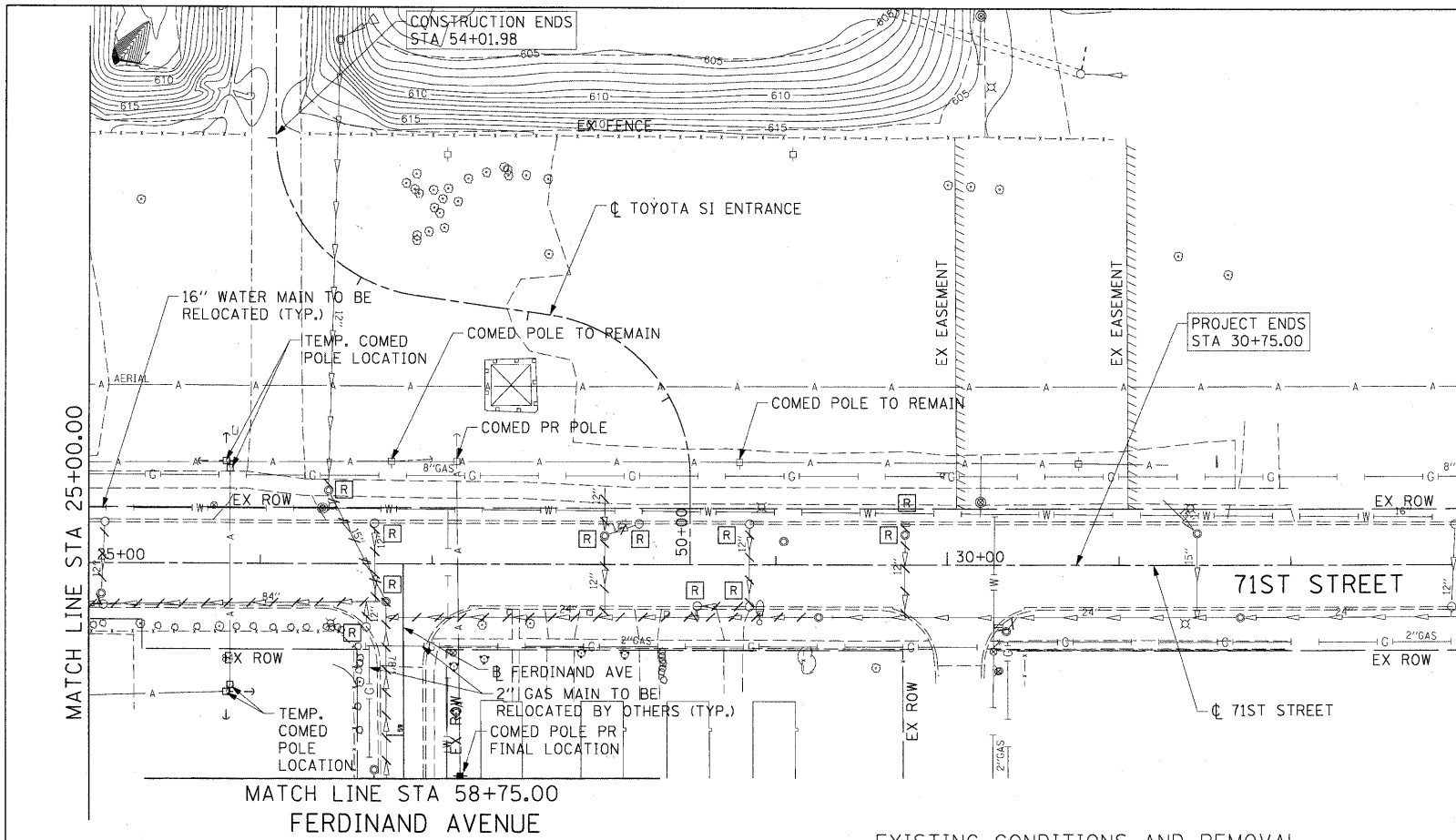
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PLOT DATE = 3/16/2011	CHECKED - EEE	REVISED -
	DATE - March 17, 2011	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

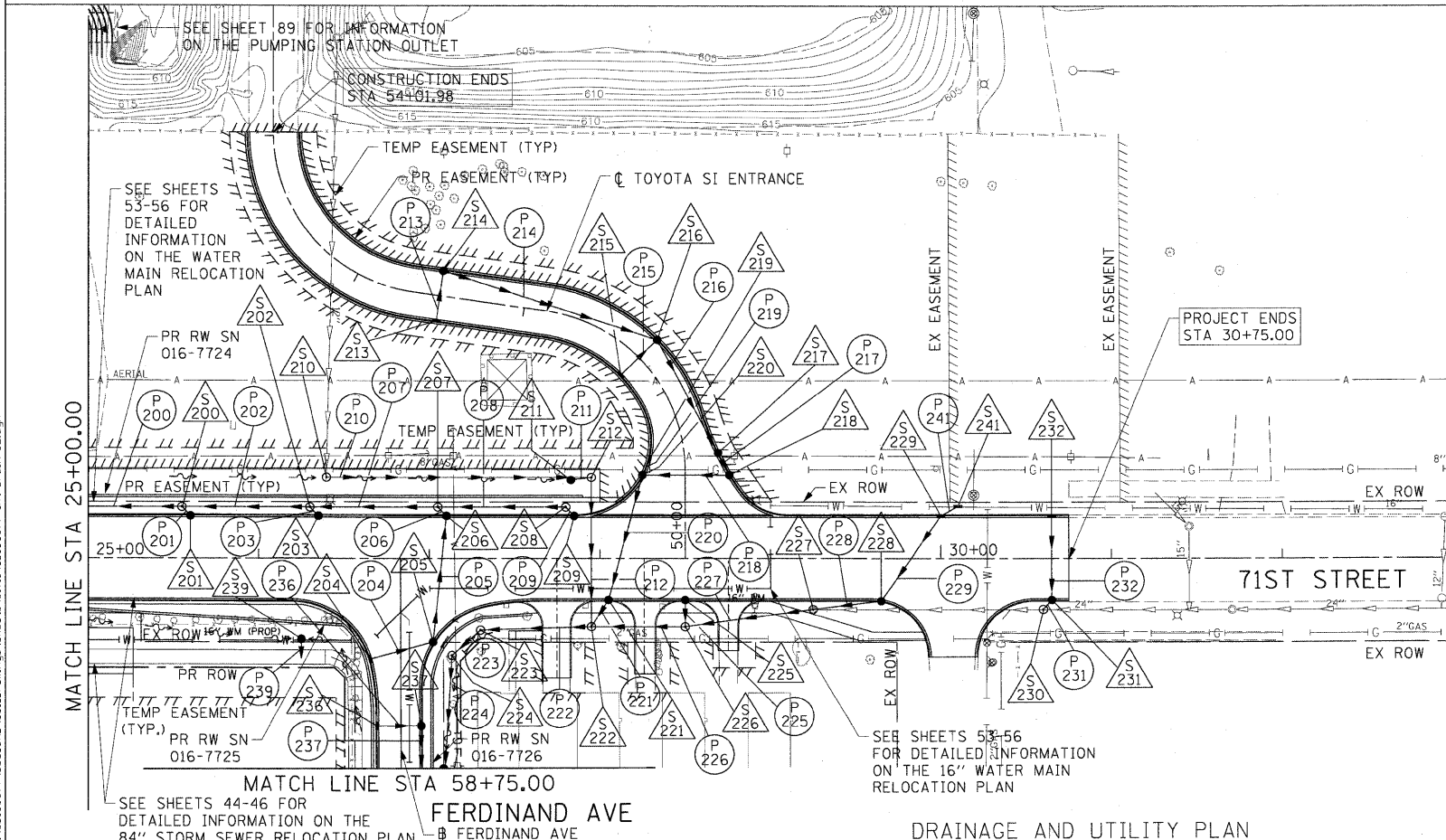
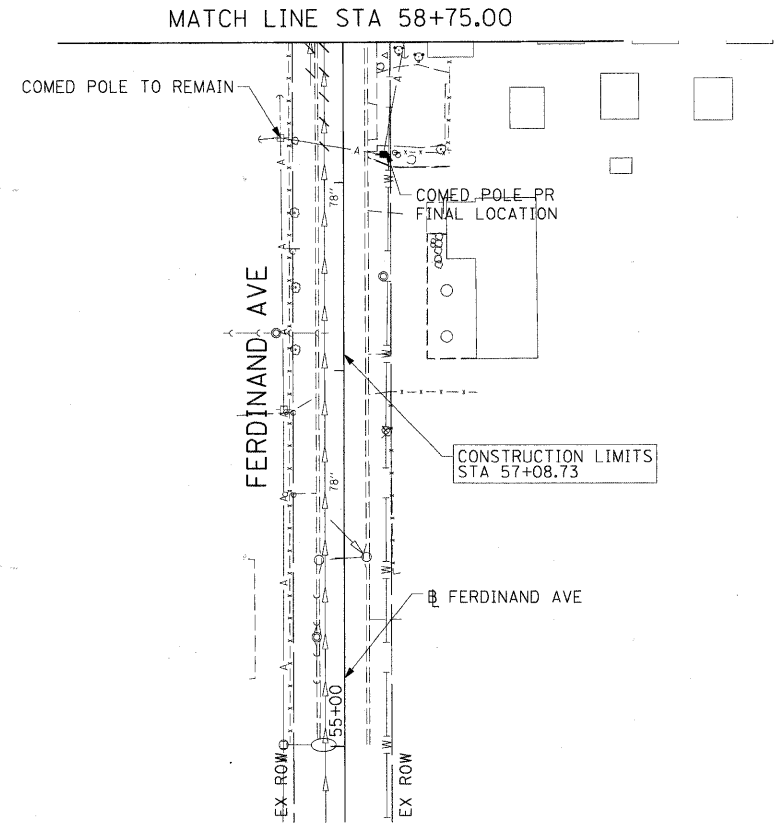
DRAINAGE AND UTILITY PLAN

SCALE: 1"=50' SHEET NO. 1 OF 3 SHEETS STA 15+50.00 TO STA 25+00.00

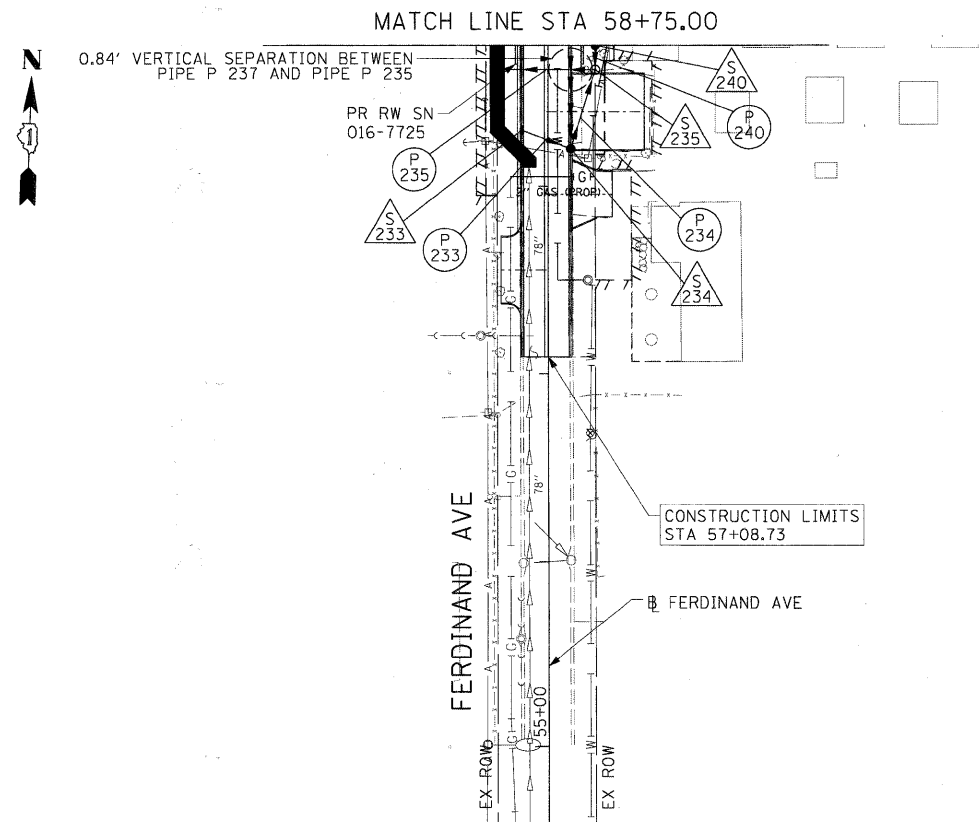
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1537	06-00050-00-GS	COOK	209	47
CONTRACT NO. 63556				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT CRE-90037091				



EXISTING CONDITIONS AND REMOVAL



DRAINAGE AND UTILITY PLAN



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PLOT DATE = 3/16/2011	CHECKED - EKY	REVISED -
	DATE - March 17, 2011	REVISED -

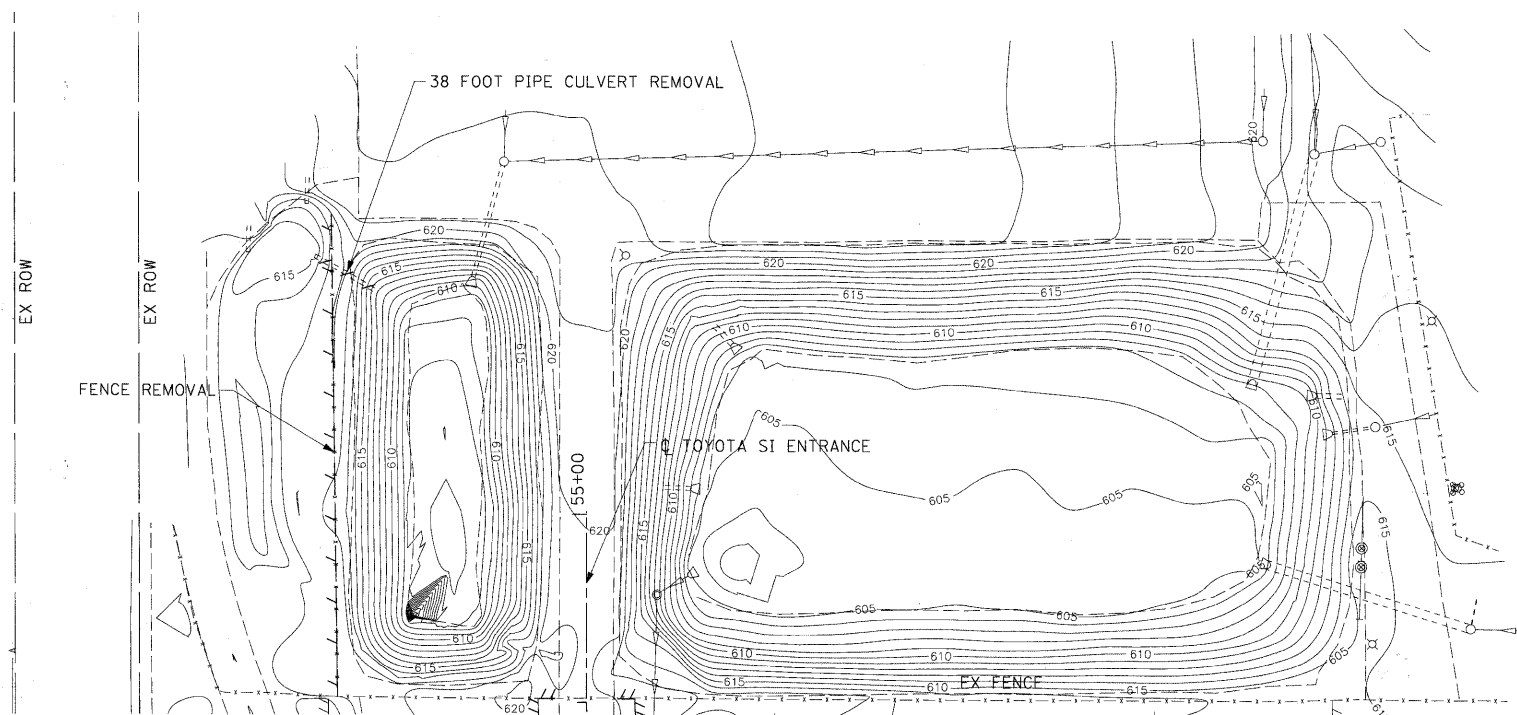
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITY PLAN

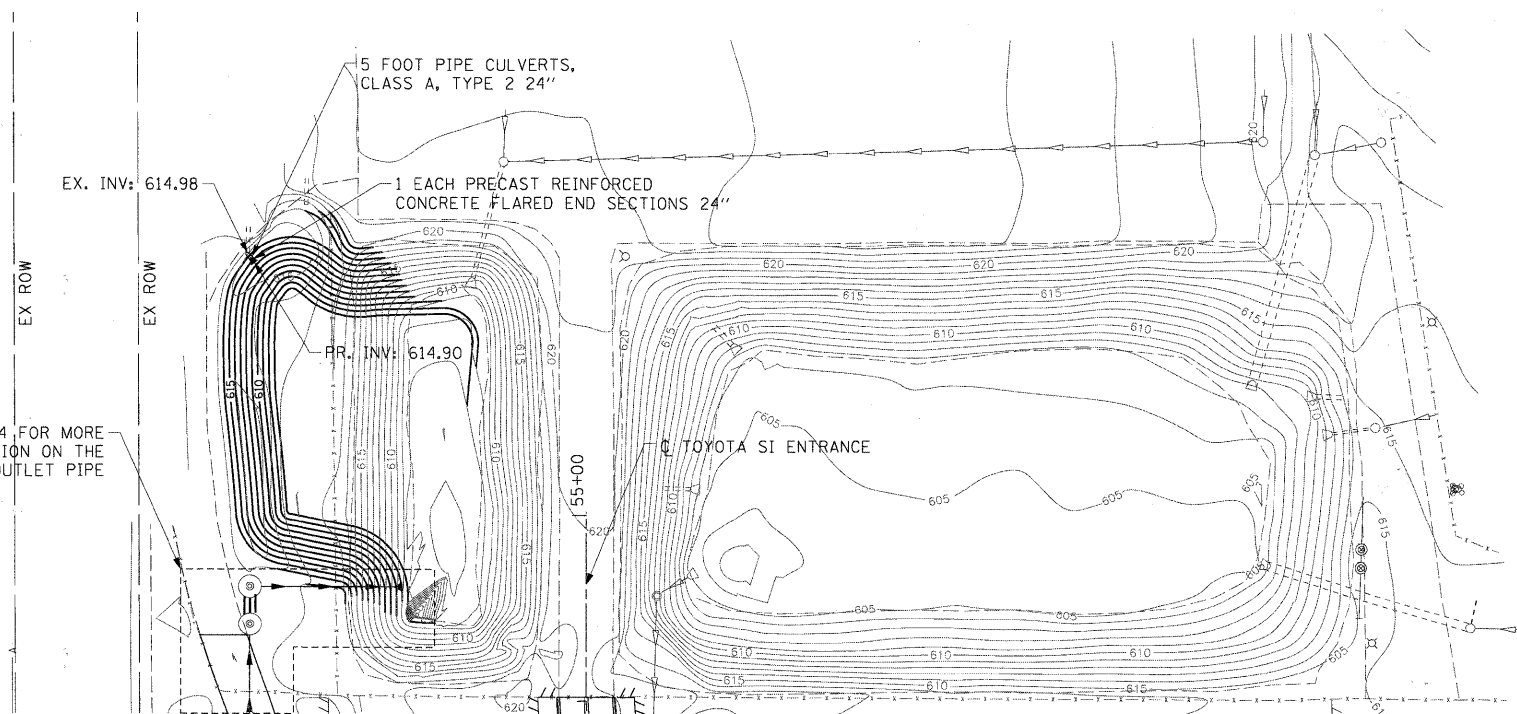
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1537	06-00050-00-GS	COOK	209	48
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT CRE-90031099			CONTRACT NO. 63556	

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EXISTING CONDITIONS AND REMOVAL



DRAINAGE AND UTILITY PLAN

SEE SHEETS 88-94 FOR MORE DETAILED INFORMATION ON THE PUMPING STATION AND OUTLET PIPE

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 PLOT DATE = 2/17/2011

DESIGNED - KLK
 DRAWN - KLK
 CHECKED - EEE
 DATE - FEBRUARY 17, 2011

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITY PLAN

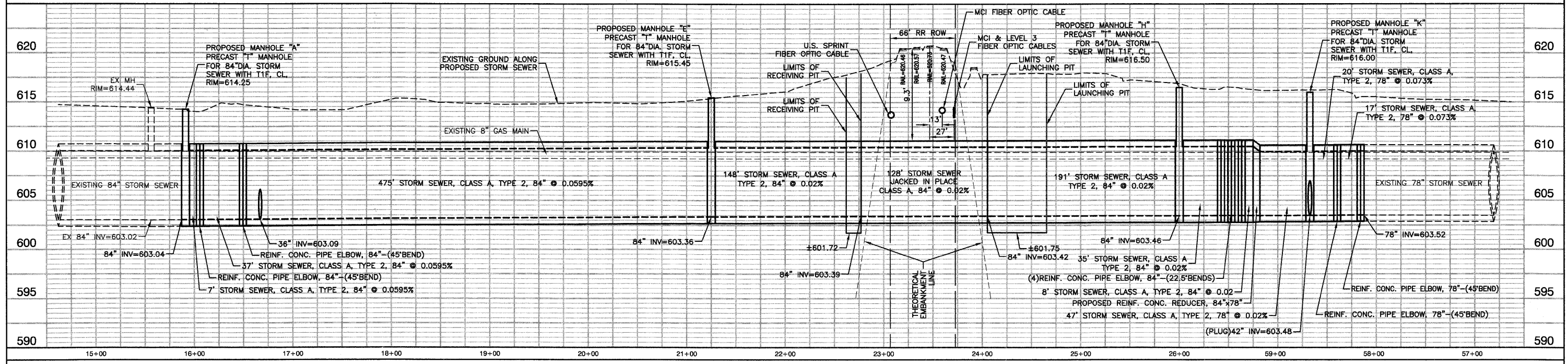
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1537	06-00050-00-GS	COOK	209	49
CONTRACT NO. 63556				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT CRE-90031709				

PLAN	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	
	CHECKED	
	BY	
	DATE	

PROFILE	SURVEYED	DATE
NOTE BOOK	PLOTTED	
	CHECKED	
	BY	
	DATE	

BENCH MARK: BW249
SQUARE CUT ON N CONC BASE OF RR SIGNAL
MAST ARM BASE ON S ROW OF 71ST STREET
1/4 MILE WEST OF HARLEM AVENUE
ELEVATION=620.57

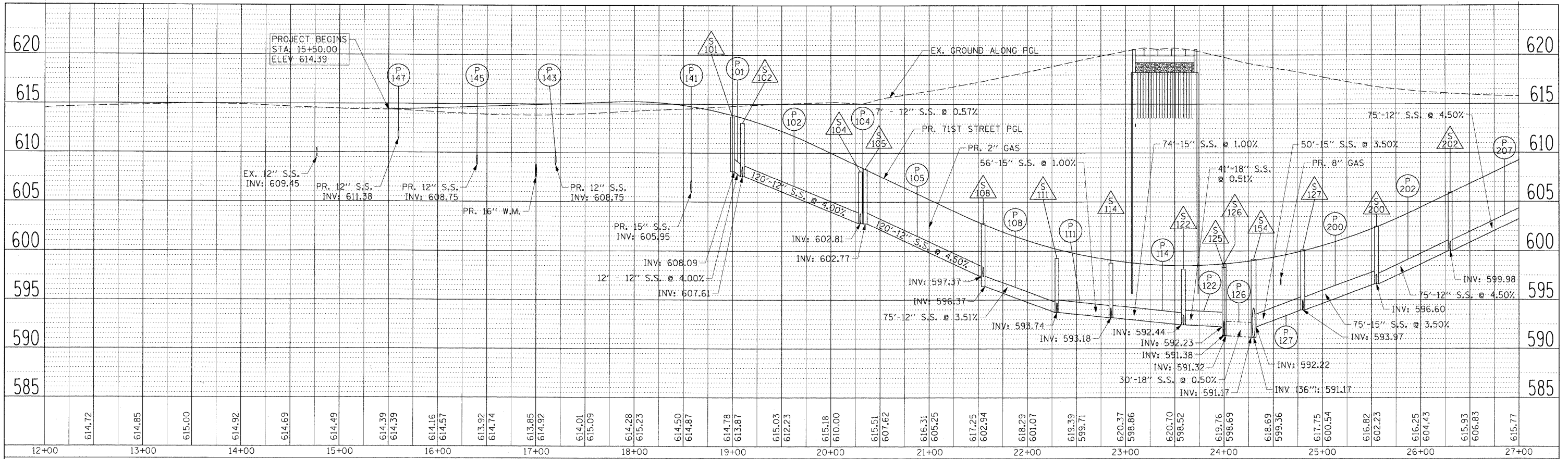


PROPOSED 78" & 84" STORM SEWER

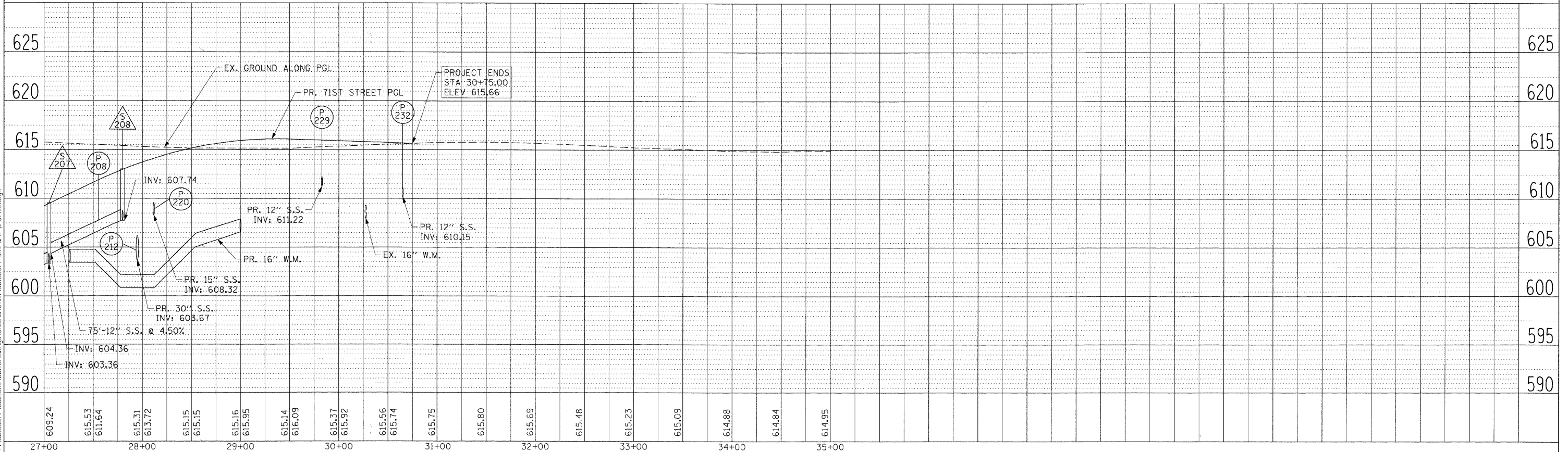
FILE NAME = 09353-PLPR-01 - PR01	USER NAME =	DESIGNED -- PKB	REVISED --	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	71ST STREET		F.A.U. RTE. 1537	SECTION 06-00050-00-GS	COUNTY COOK	TOTAL SHEETS 209	SHEET NO. 50	
	PLOT SCALE =	CHECKED -- PKB	REVISED --		STORM SEWER PROFILE - 84"		SCALE: H 1"=50' V 1"=5'		SHEET NO. 50 OF 209 SHEETS	STA. TO STA.	CONTRACT NO. 63556	
	PLOT DATE = 12/23/10	DRAWN -- PS	REVISED --				FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT CRE-9003(709)		
		CHECKED -- AG	REVISED --									

ST. SAUNDERS BY: R92800X ON 12/11/11
DTED BY: RICHARD GARDNER ON 9/26/11

PLAN	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	DATE	
	BY	
	DATE	
	BY	
	DATE	



PROFILE	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	DATE	
	BY	
	DATE	
	BY	
	DATE	



FILE NAME = P:\60155677\000 CAD\001 Drawings\Sheets\Civil\60155677-alt-dm-profile.dwg



USER NAME = mehni
 PLOT SCALE = 50.000' / 1"
 PLOT DATE = 2/17/2011

DESIGNED - KLK
 DRAWN - KLK
 CHECKED - EEE
 DATE - FEBRUARY 17, 2011

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

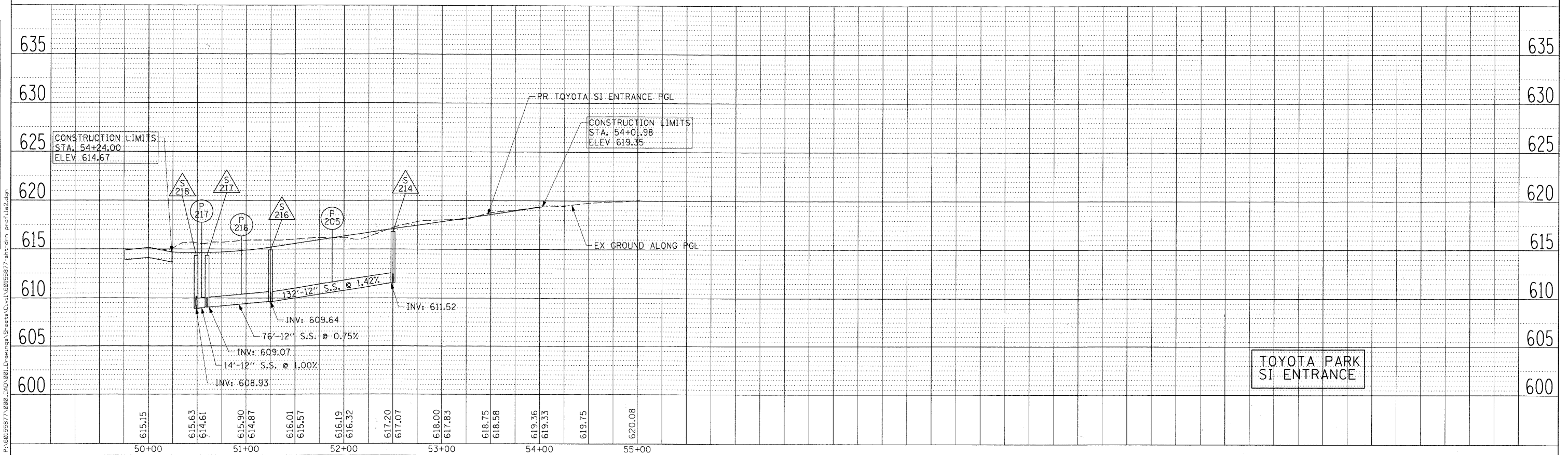
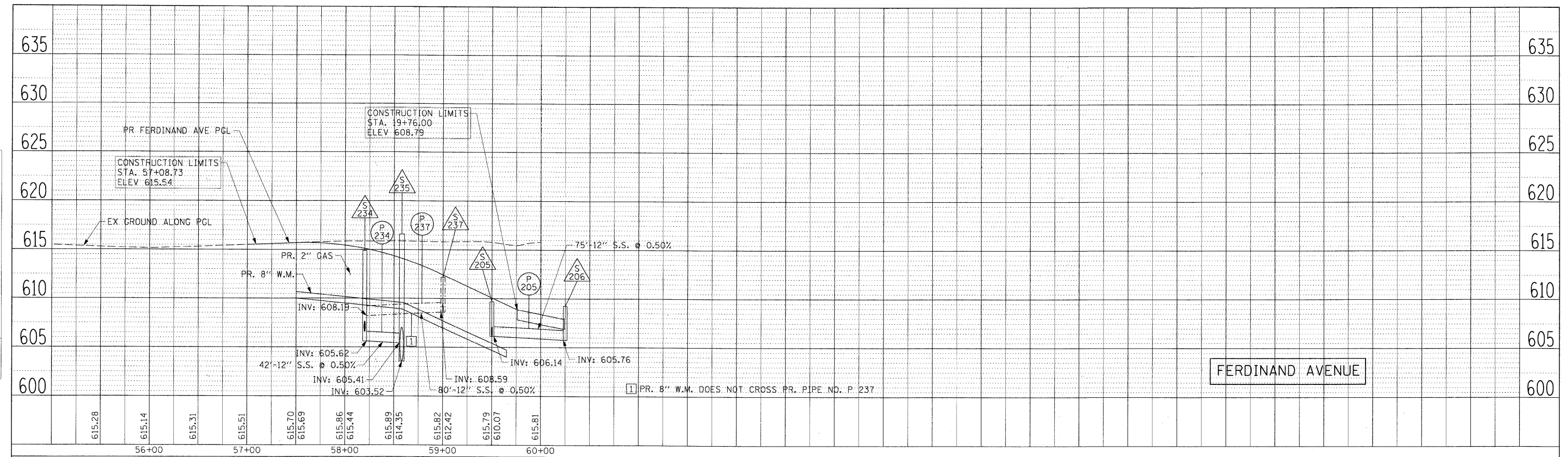
DRAINAGE PROFILE
 71ST STREET

SCALE: H=50; V=5 SHEET NO. 1 OF 2 SHEETS STA. 15+50.00 TO STA. 30+75.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1537	06-00050-00-GS	COOK	209	51
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT CRE-9003(709)			CONTRACT NO. 63556	

DATE	
BY	
620	
615	
610	
605	
600	
PLAN	UNREVIEWED
NOTE BOOK	NOT CHECKED
NO.	NO. 1
FILE NAME	FILE NAME

DATE	
BY	
580	
635	
630	
625	
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615	
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605	
600	
PROFILE	SURVEYED
NOTE BOOK	NOT CHECKED
NO.	NO. 1
FILE NAME	FILE NAME

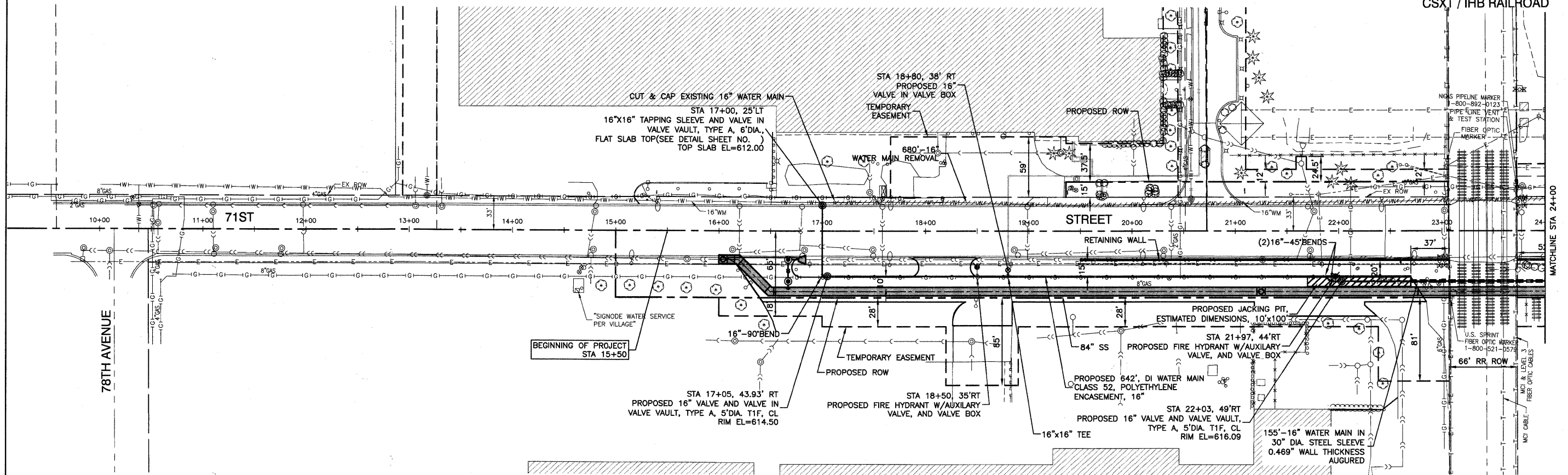


	USER NAME = manuj	DESIGNED - KLK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE PROFILE FERDINAND AVENUE AND TOYOTA PARK SI ENTRANCE	F.A.U. RTE. 1537	SECTION 06-00050-00-GS	COUNTY COOK	TOTAL SHEETS 209	SHEET NO. 52		
	PLOT SCALE = 50.000' / 1"	DRAWN - KLK	REVISED -			SCALE: H=50; V=5	SHEET NO. 2 OF 2 SHEETS	STA. TO STA.	CONTRACT NO. 63556			
	PLOT DATE = 2/17/2011	CHECKED - EEE	REVISED -			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT CRE-9003(709)						
	DATE - FEBRUARY 17, 2011	DATE -	REVISED -									



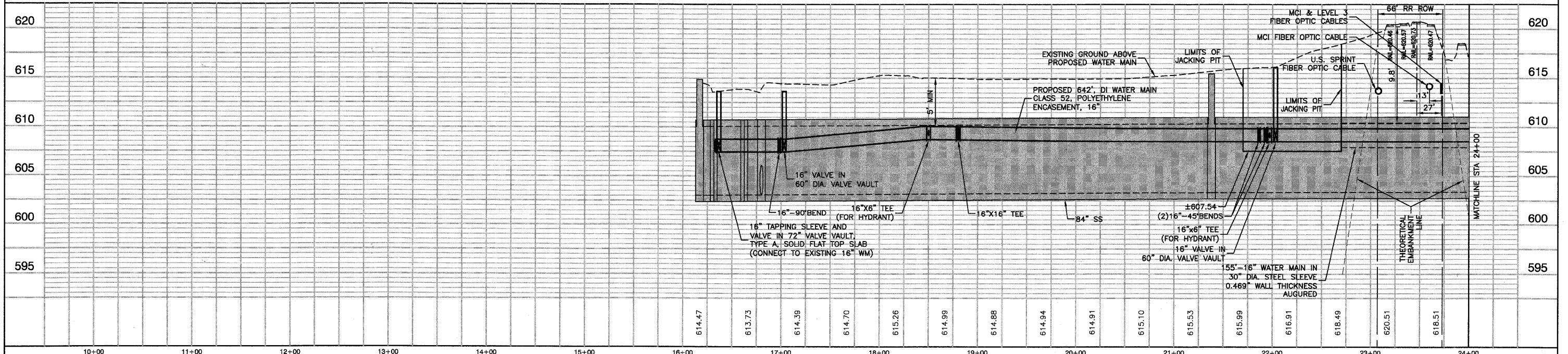
PLAN	SURVISED	DATE
NOTE BOOK	PLOTTED	
NO.	FILED	
	BY	
	DATE	

PROFILE	SURVISED	DATE
NOTE BOOK	PLOTTED	
	BY	
	DATE	



- NOTES:
1. THE CONSTRUCTION OF THE WATER MAIN SHALL BE PERFORMED ACCORDING TO THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, LATEST EDITION.
 2. EXISTING 16" WATER MAIN SHALL NOT BE REMOVED UNTIL ALL PROPOSED 16" AND 8" WATER MAINS ARE BROUGHT INTO SERVICE.

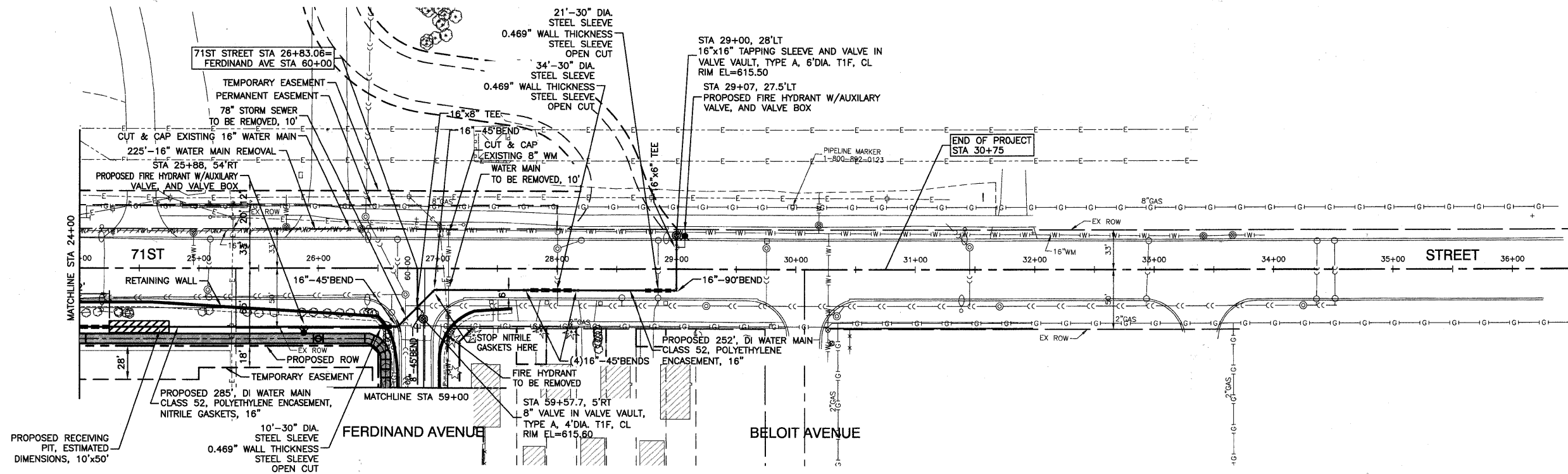
BENCH MARK: BW249
SQUARE CUT ON N CONC BASE OF RR SIGNAL
MAST ARM BASE ON S ROW OF 71ST STREET
1/4 MILE WEST OF HARLEM AVENUE
ELEVATION=620.57



FILE NAME = 09353-WTMV-01 - WM01	USER NAME =	DESIGNED = PKB	REVISED =	71ST STREET		F.A.U. R.T.E. = 1537	SECTION = 06-00050-00-GS	COUNTY = COOK	TOTAL SHEETS = 209	SHEET NO. = 53
	PLOT SCALE =	CHECKED = PKB	REVISED =	WATER MAIN PLAN & PROFILE		CONTRACT NO. 63556		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT CRE-9003(709)		
	PLOT DATE = 12/23/10	DRAWN = PS	REVISED =	SCALE: H 1"=60' V 1"=5'		SHEET NO. 53 OF 209 SHEETS		STA. 15+50 TO STA. 24+00		



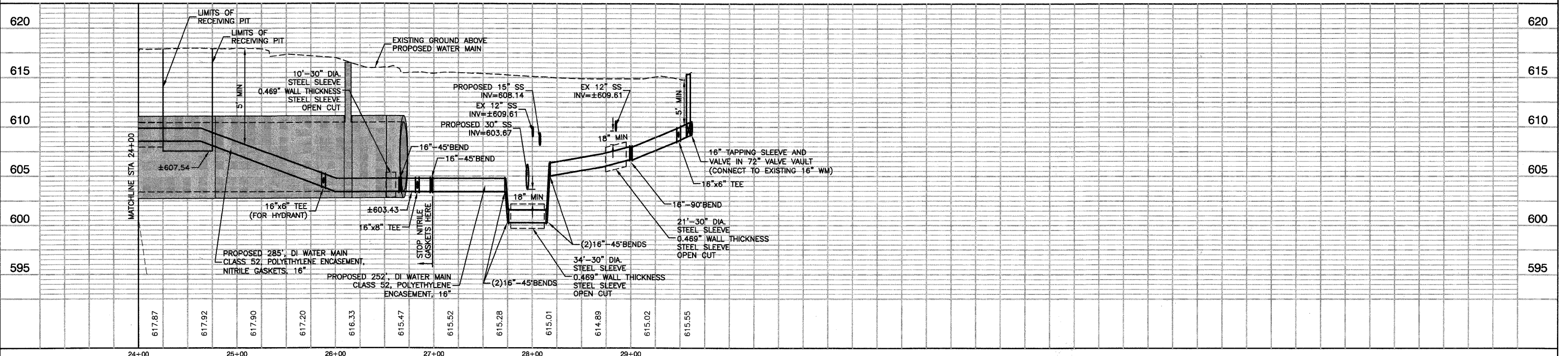
PLAN	SURVEYED	DATE
NOTE BOOK NO.	CHECKED	
	BY	
	FILE NAME	



- NOTES:
1. THE CONSTRUCTION OF THE WATER MAIN SHALL BE PERFORMED ACCORDING TO THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, LATEST EDITION.
 2. EXISTING 16" WATER MAIN SHALL NOT BE REMOVED UNTIL ALL PROPOSED 16" AND 8" WATER MAINS ARE BROUGHT INTO SERVICE.

BENCH MARK: BW249
 SQUARE CUT ON N CONC BASE OF RR SIGNAL
 MAST ARM BASE ON S ROW OF 71ST STREET
 1/2 MILE WEST OF HARLEM AVENUE
 ELEVATION=620.57

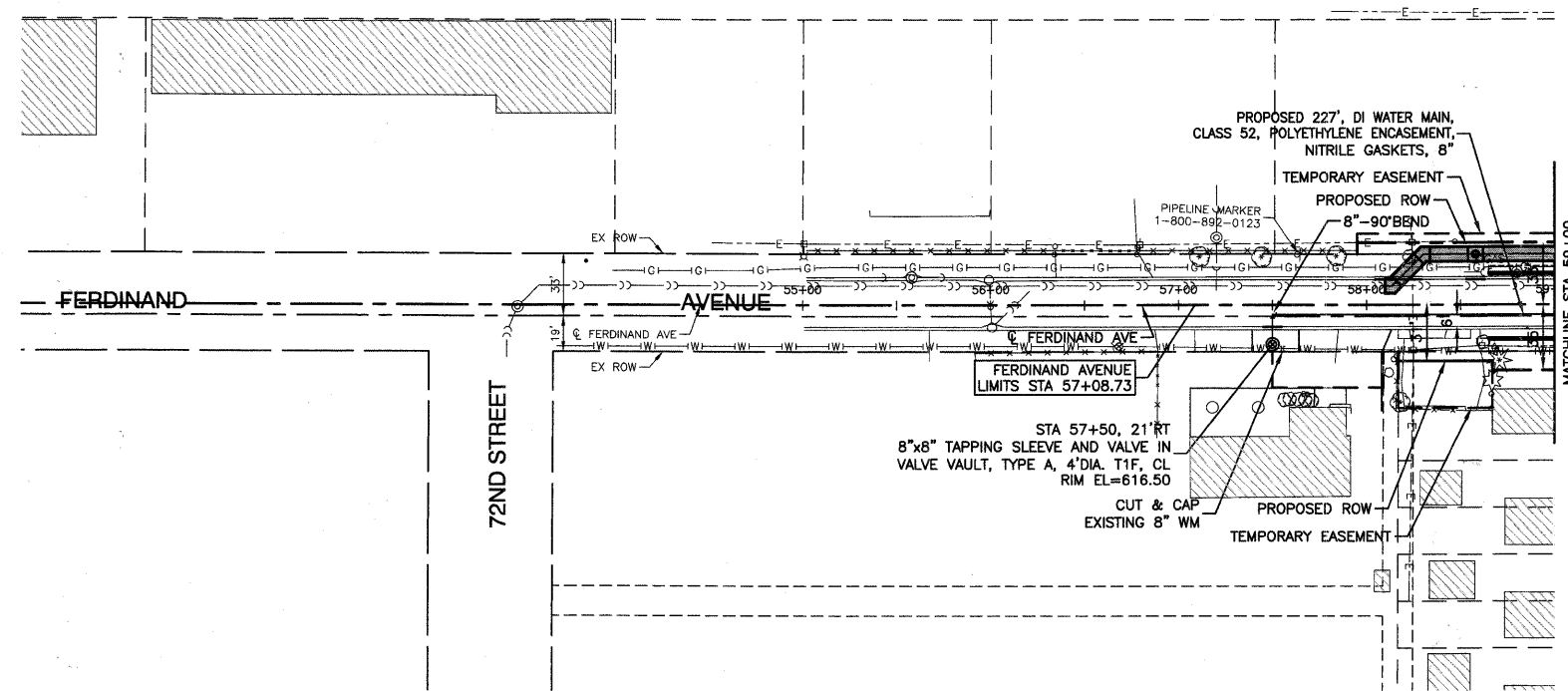
PROFILE	SURVEYED	DATE
NOTE BOOK NO.	CHECKED	
	BY	
	FILE NAME	



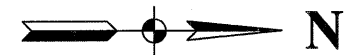
FILE NAME = 09353 WTMN-01 - WM02	USER NAME =	DESIGNED - PKB	REVISED -	71ST STREET		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CHECKED - PKB	REVISED -	WATER MAIN PLAN & PROFILE		1537	06-00050-00-GS	COOK	209	54
		DRAWN - PS	REVISED -	SCALE: H 1"=50' V 1"=5'		SHEET NO. 54 OF 209 SHEETS		STA. 24+00 TO STA. 30+75		CONTRACT NO. 63556
		CHECKED - AG	REVISED -			FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT CRE-9003(709)		

PLAN	DESIGNED	DATE
	CHECKED	
	NOTED	
	BY	
	DATE	

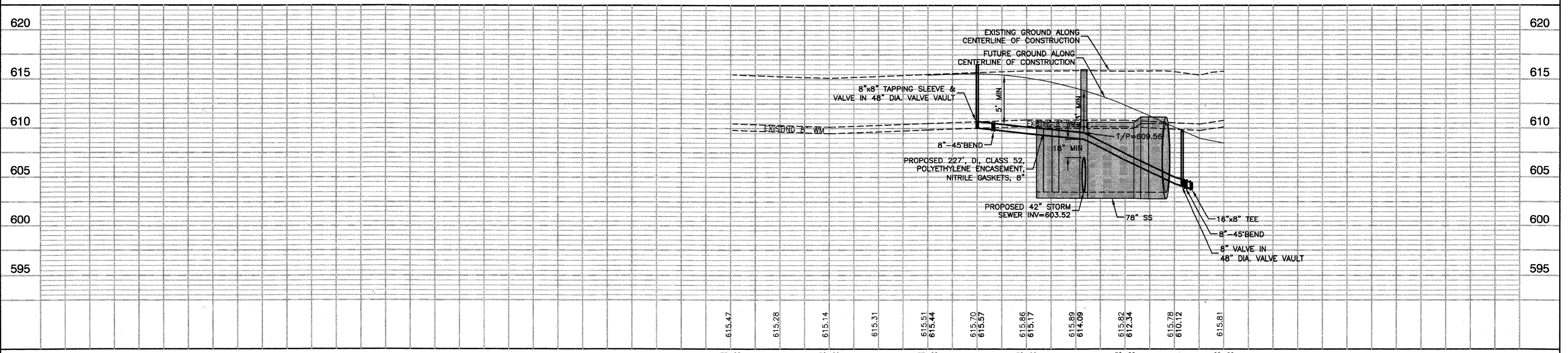
PROFILE	DESIGNED	DATE
	CHECKED	
	NOTED	
	BY	
	DATE	



NOTE:
THE CONSTRUCTION OF THE WATER MAIN SHALL BE PERFORMED ACCORDING TO THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, LATEST EDITION.



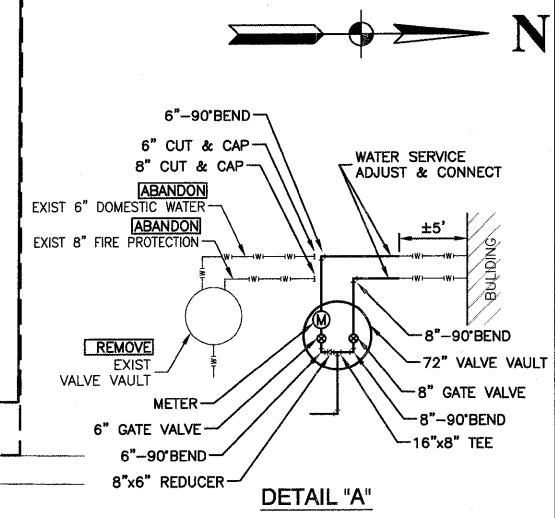
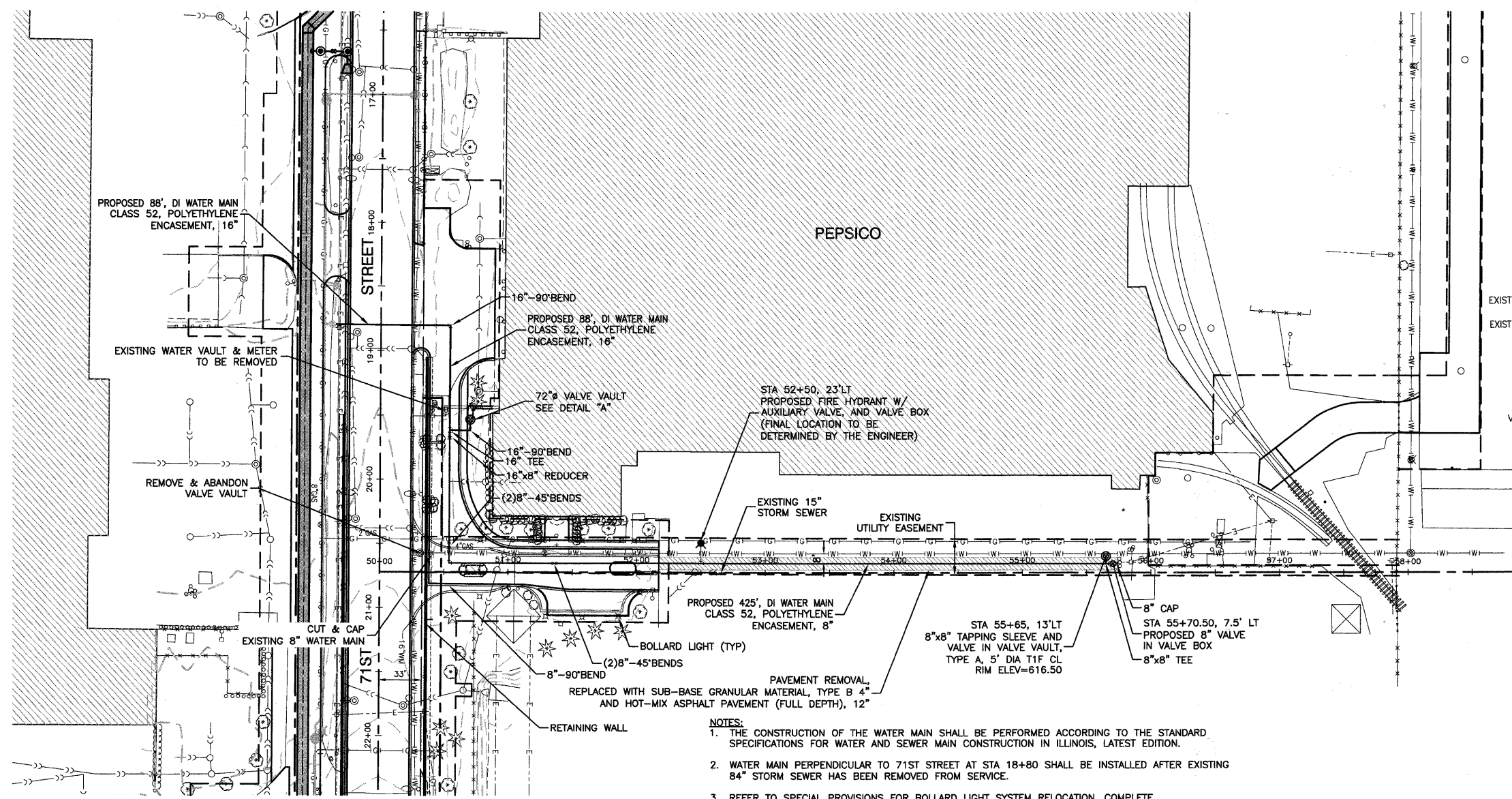
BENCH MARK: BW249
SQUARE CUT ON N CONC BASE OF RR SIGNAL
MAST ARM BASE ON S ROW OF 71ST STREET
1/2 MILE WEST OF HARLEM AVENUE
ELEVATION=620.57



FILE NAME = 09353-WTMN-01 - WM03	USER NAME =	DESIGNED -- PKB	REVISED --	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				71ST STREET		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE =	CHECKED -- PKB	REVISED --					WATER MAIN PLAN & PROFILE		1537	06-00050-00-GS	COOK	209	55
	PLOT DATE = 12/23/10	DRAWN -- PS	REVISED --	SCALE: H 1"=50' V 1"=5'				SHEET NO. 55 OF 209 SHEETS		STA. 57+08.73 TO STA. 59+00		CONTRACT NO. 63556		
		CHECKED -- AG	REVISED --					FED. ROAD DIST. NO. 1		ILLINOIS		FED. AID PROJECT CRE-9003(709)		

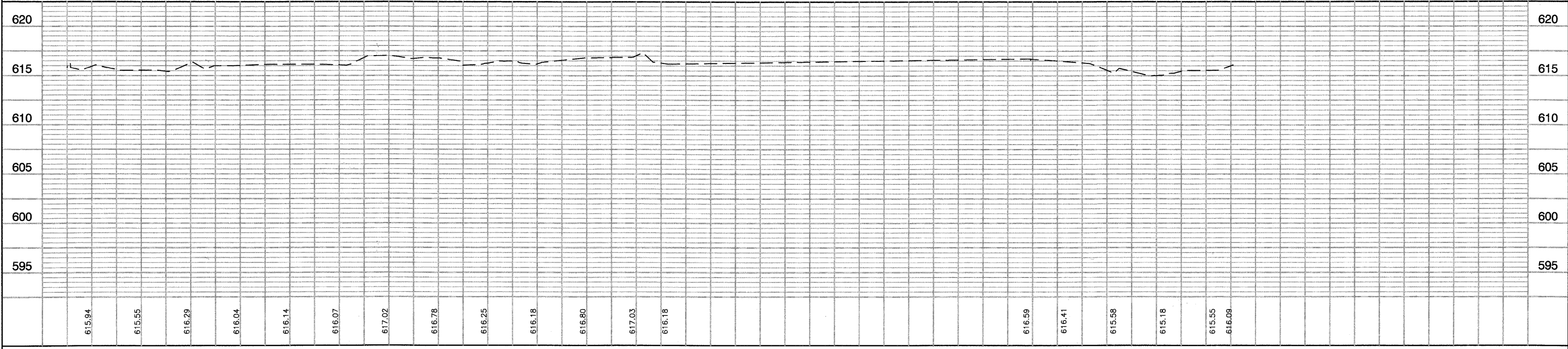
DATE	
BY	
REVISIONS	
NO.	
DESCRIPTION	
DATE	
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DATE	
BY	
REVISIONS	
NO.	
DESCRIPTION	
DATE	
BY	
NO.	
DESCRIPTION	
DATE	
BY	
NO.	
DESCRIPTION	
DATE	
BY	
NO.	
DESCRIPTION	



- NOTES:**
1. THE CONSTRUCTION OF THE WATER MAIN SHALL BE PERFORMED ACCORDING TO THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, LATEST EDITION.
 2. WATER MAIN PERPENDICULAR TO 71ST STREET AT STA 18+80 SHALL BE INSTALLED AFTER EXISTING 84" STORM SEWER HAS BEEN REMOVED FROM SERVICE.
 3. REFER TO SPECIAL PROVISIONS FOR BOLLARD LIGHT SYSTEM RELOCATION, COMPLETE.

BENCH MARK: BW249
 SQUARE CUT ON N CONC BASE OF RR SIGNAL MAST ARM BASE ON S ROW OF 71ST STREET 1/2 MILE WEST OF HARLEM AVENUE ELEVATION=620.57

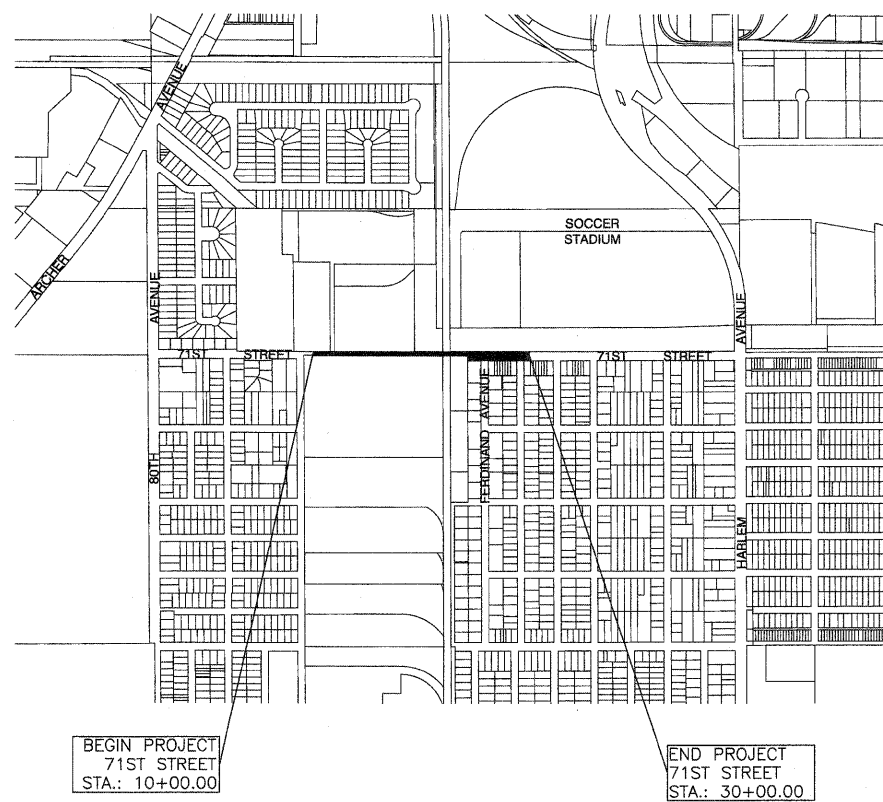


FILE NAME = 09353-WTMN-02 - P01	USER NAME =	DESIGNED -- PKB	REVISED --	71ST STREET				F.A.U. RTE. 1537	SECTION 06-00050-00-GS	COUNTY COOK	TOTAL SHEETS 209	SHEET NO. 56
	PLOT SCALE =	CHECKED -- PKB	REVISED --	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				WATER MAIN PLAN & PROFILE		CONTRACT NO. 63556		
	PLOT DATE = 12/23/10	DRAWN -- PS	REVISED --	SCALE: H 1"=50' V 1"=5'				SHEET NO. 56 OF 209 SHEETS		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT CRE-9003(709)		
		CHECKED -- AG	REVISED --	STA. TO STA.								

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
RIGHT OF WAY PLANS

FOR PROPOSED
FEDERAL AID
HIGHWAY

ROUTE: F.A.U. 1537 (71ST AVENUE)
SECTION: 06-00050-00-GS
PROJECT NO.:
JOB NO.: R-90-009-10
COUNTY: COOK



F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1537	06-00050-00-GS	COOK	209	57
F.H.W.A. REG	ILLINOIS	PROJECT: F.A.U. 1537		

CONTRACT #63556



LOCATION OF SECTION INDICATED THUS: [black rectangle]

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED _____ 20____
DISTRICT ENGINEER

EXAMINED _____ 20____
DISTRICT RIGHT OF WAY PLANS ENGINEER

PASSED _____ 20____
DISTRICT LAND ACQUISITION ENGINEER

REVIEWED _____ 20____
CENTRAL BUREAU RIGHT OF WAY PLANS ENGINEER

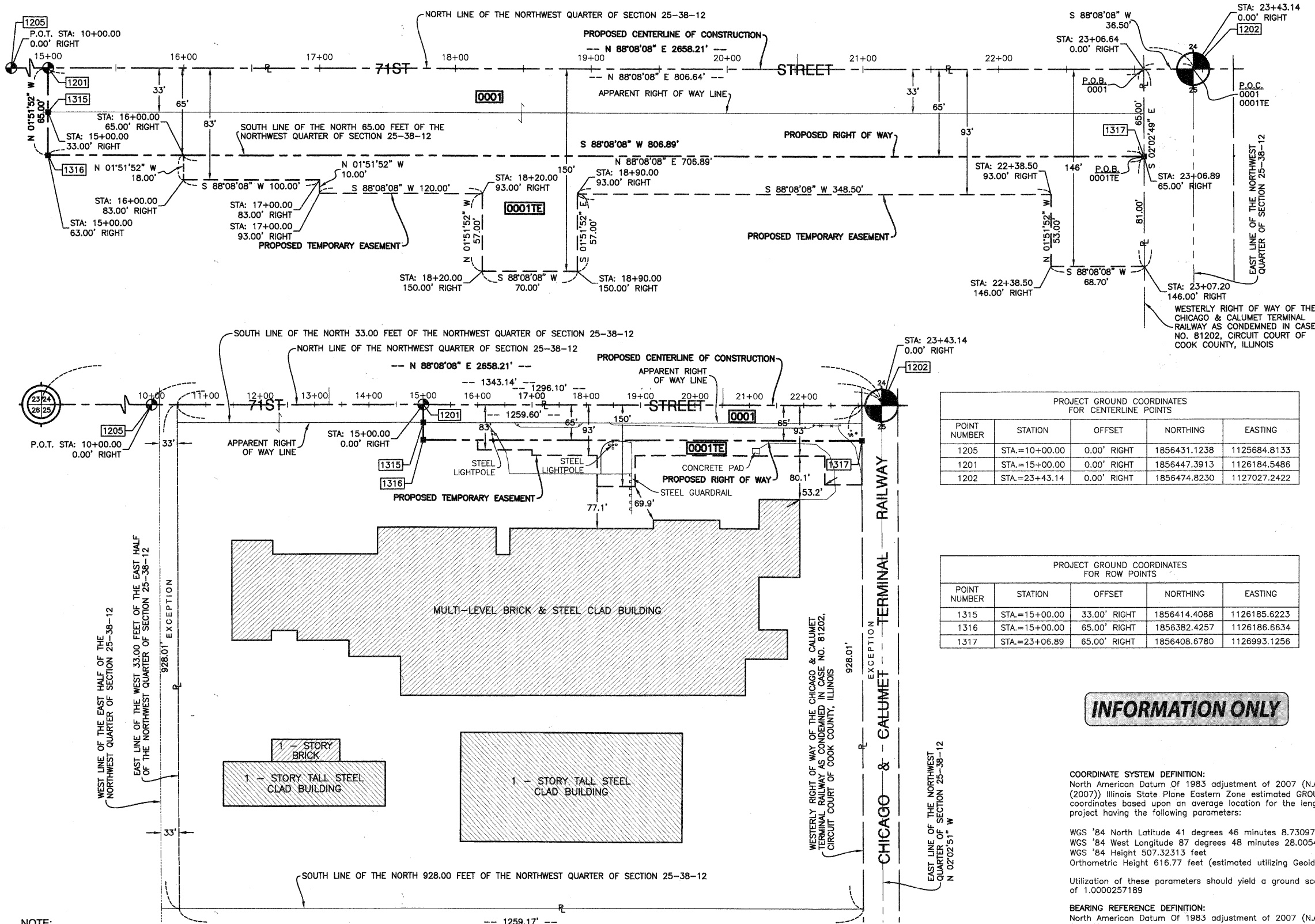
APPROVED _____ 20____
ENGINEER OF LAND ACQUISITION

INFORMATION ONLY

PART OF SECTION 25, TOWNSHIP 38 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, IN COOK COUNTY, ILLINOIS

PARCEL NO.	OWNER	TOTAL HOLDING (ACRES) SQ. FEET	PART TAKEN (ACRES) SQ. FEET	REMAINDER (ACRES) SQ. FEET	PREVIOUS DEDICATION (ACRES) SQ. FEET	EASEMENT (ACRES) SQ. FEET	EASEMENT PURPOSE	TAX NUMBER(S)	ACQUIRED BY
0001 0001TE	Signode Supply Company successor to Signode Corporation successor to Signode Steel Strapping Company	(26.830)	(1.204)	(25.626)	(0.611)	(0.607)	TEMPORARY ROADWAY	18-25-105-002-0000	

LEGEND



PROJECT GROUND COORDINATES FOR CENTERLINE POINTS

POINT NUMBER	STATION	OFFSET	NORTHING	EASTING
1205	STA.=10+00.00	0.00' RIGHT	1856431.1238	1125684.8133
1201	STA.=15+00.00	0.00' RIGHT	1856447.3913	1126184.5486
1202	STA.=23+43.14	0.00' RIGHT	1856474.8230	1127027.2422

PROJECT GROUND COORDINATES FOR ROW POINTS

POINT NUMBER	STATION	OFFSET	NORTHING	EASTING
1315	STA.=15+00.00	33.00' RIGHT	1856414.4088	1126185.6223
1316	STA.=15+00.00	65.00' RIGHT	1856382.4257	1126186.6634
1317	STA.=23+06.89	65.00' RIGHT	1856408.6780	1126993.1256

INFORMATION ONLY

COORDINATE SYSTEM DEFINITION:
 North American Datum of 1983 adjustment of 2007 (N.A.D. '83 (2007)) Illinois State Plane Eastern Zone estimated GROUND coordinates based upon an average location for the length of the project having the following parameters:
 WGS '84 North Latitude 41 degrees 46 minutes 8.73097 seconds
 WGS '84 West Longitude 87 degrees 48 minutes 28.00543 seconds
 WGS '84 Height 507.32313 feet
 Orthometric Height 616.77 feet (estimated utilizing Geoid '03)
 Utilization of these parameters should yield a ground scale factor of 1.0000257189

BEARING REFERENCE DEFINITION:
 North American Datum of 1983 adjustment of 2007 (N.A.D. '83 (2007)) Illinois State Plane Eastern Zone

STATE OF ILLINOIS }
 COUNTY OF COOK } SS

THIS IS TO CERTIFY THAT I, DAN C. PAARLBERG, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 24, TOWNSHIP 38 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, IN COOK COUNTY, ILLINOIS, 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 SOUTH HOLLAND, ILLINOIS THIS 14TH DAY OF APRIL, 2010 A.D.

ILLINOIS REGISTERED LAND SURVEYOR NO. 035-003243
 EXPIRATION DATE: NOVEMBER 30, 2010

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



PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 F.A.U. 1537 (71ST AVENUE)
 CONTRACT #63556

SECTION 06-00050-00-GS COOK COUNTY
 PROJECT NO. JOB NO. R-90-009-10
 SCALE: VARIES SHEET 58 OF 209

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

DATE	BY	ROW PLAT	NOTEBOOK NO.

NOTE:
 P.O.C. - POINT OF COMMENCEMENT
 P.O.B. - POINT OF BEGINNING

PART OF SECTION 25, TOWNSHIP 38 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, IN COOK COUNTY, ILLINOIS

PROJECT GROUND COORDINATES FOR ROW POINTS				
POINT NUMBER	STATION	OFFSET	NORTHING	EASTING
1312	STA.=18+16.93 *	25.00' RIGHT	1856303.6472	1127398.3705
1313	STA.=18+16.91 *	30.00' RIGHT	1856303.8076	1127403.3679
1318	STA.=23+72.92	65.00' RIGHT	1856410.8123	1127059.0915
1320	STA.=26+44.33	65.00' RIGHT	1856419.5241	1127330.3678
1321	STA.=26+50.35	71.00' RIGHT	1856413.7203	1127336.5712
1322	STA.=17+95.00 *	32.99' LEFT	1856279.7095	1127341.1858
1323	STA.=17+95.00 *	26.99' LEFT	1856279.9160	1127347.1823
1324	STA.=18+66.91 *	30.00' RIGHT	1856353.7773	1127401.6192
1325	STA.=18+66.90 *	35.00' RIGHT	1856353.9378	1127406.6166
1326	STA.=27+18.23	61.00' RIGHT	1856425.8937	1127404.0985
1327	STA.=27+29.20	50.00' RIGHT	1856437.2404	1127414.7080

* - DENOTES STATIONING FOR FERDINAND AVENUE

PARCEL NO.	OWNER	TOTAL HOLDING	PART TAKEN	REMAINDER	PREVIOUS DEDICATION	EASEMENT	EASEMENT PURPOSE	TAX NUMBER(S)	ACQUIRED BY
		(ACRES) SQ. FEET	(ACRES) SQ. FEET	(ACRES) SQ. FEET	(ACRES) SQ. FEET	(ACRES) SQ. FEET			
0002 0002TE	Prairie Material Sales Inc.	(7.391)	(0.299)	(7.092)	(0.120)	(0.157)	TEMPORARY ROADWAY	18-25-200-019-0000 18-25-200-020-0000 18-25-200-021-0000 18-25-200-022-0000 18-25-200-023-0000 18-25-200-024-0000 18-25-200-025-0000 18-25-200-026-0000 18-25-200-027-0000 18-25-200-028-0000	
0003 0003TE	Jose R. Mendez	(0.177)	(0.026)	(0.151)	N/A	(0.029)	CONSTRUCTION	18-25-201-001-0000	
0004TE	The Bank of New York Mellon f/k/a the Bank of New York as Trustee on Behalf of Citi Mortgage Loan Trust 2007-1	(0.153)	N/A	(0.153)	N/A	(0.017)	DRIVEWAY	18-25-201-002-0000 18-25-201-003-0000	
0005TE	Jose Vazquez and Aniceta Vazquez, as tenants in common	(0.153)	N/A	(0.153)	N/A	(0.017)	DRIVEWAY	18-25-201-004-0000 18-25-201-005-0000	
0006TE	Nazario Villa and Maria Mata, as joint tenants	(0.153)	N/A	(0.153)	N/A	(0.009)	DRIVEWAY	18-25-201-006-0000 18-25-201-007-0000	
0007TE	English Bridgeview Illinois Congregation of Jehovah's Witnesses, an Illinois not-for-profit Corporation	(0.344)	N/A	(0.344)	N/A	(0.026)	DRIVEWAY	18-25-201-009-0000	

LEGEND

SECTION CORNER
QUARTER SECTION CORNER
SECTION LINE
QUARTER SECTION LINE
QUARTER, QUARTER SECTION LINE
PLATTED LOT LINE
PROPERTY (DEED) LINE
APPARENT PROPERTY LINE
CENTER LINE
EXISTING RIGHT OF WAY LINE
PROPOSED CENTER LINE
PROPOSED RIGHT OF WAY LINE
PROPOSED EASEMENT
MEASURED DIMENSION
COMPUTED DIMENSION
RECORD DATA
EXISTING BUILDING

120.32'
129.32'(Comp.)
SCALE: 1" = 30'

- IRON PIPE OR ROD FOUND
- ⊕ CUT CROSS FOUND OR SET
- 3/4" IRON PIPE 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 SURVEYORS REGISTRATION NUMBER.
- 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 SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS 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 SURVEYORS REGISTRATION NUMBER.
- ⊙ PERMANENT SURVEY MARKER, I.D.O.T. STD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET.



STATE OF ILLINOIS } SS
COUNTY OF COOK }

THIS IS TO CERTIFY THAT I, DAN C. PAARLBERG, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 24, TOWNSHIP 38 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, IN COOK COUNTY, ILLINOIS, 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 SOUTH HOLLAND, ILLINOIS THIS 14TH DAY OF APRIL, 2010 A.D.

ILLINOIS REGISTERED LAND SURVEYOR NO. 035-003243
EXPIRATION DATE: NOVEMBER 30, 2010

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

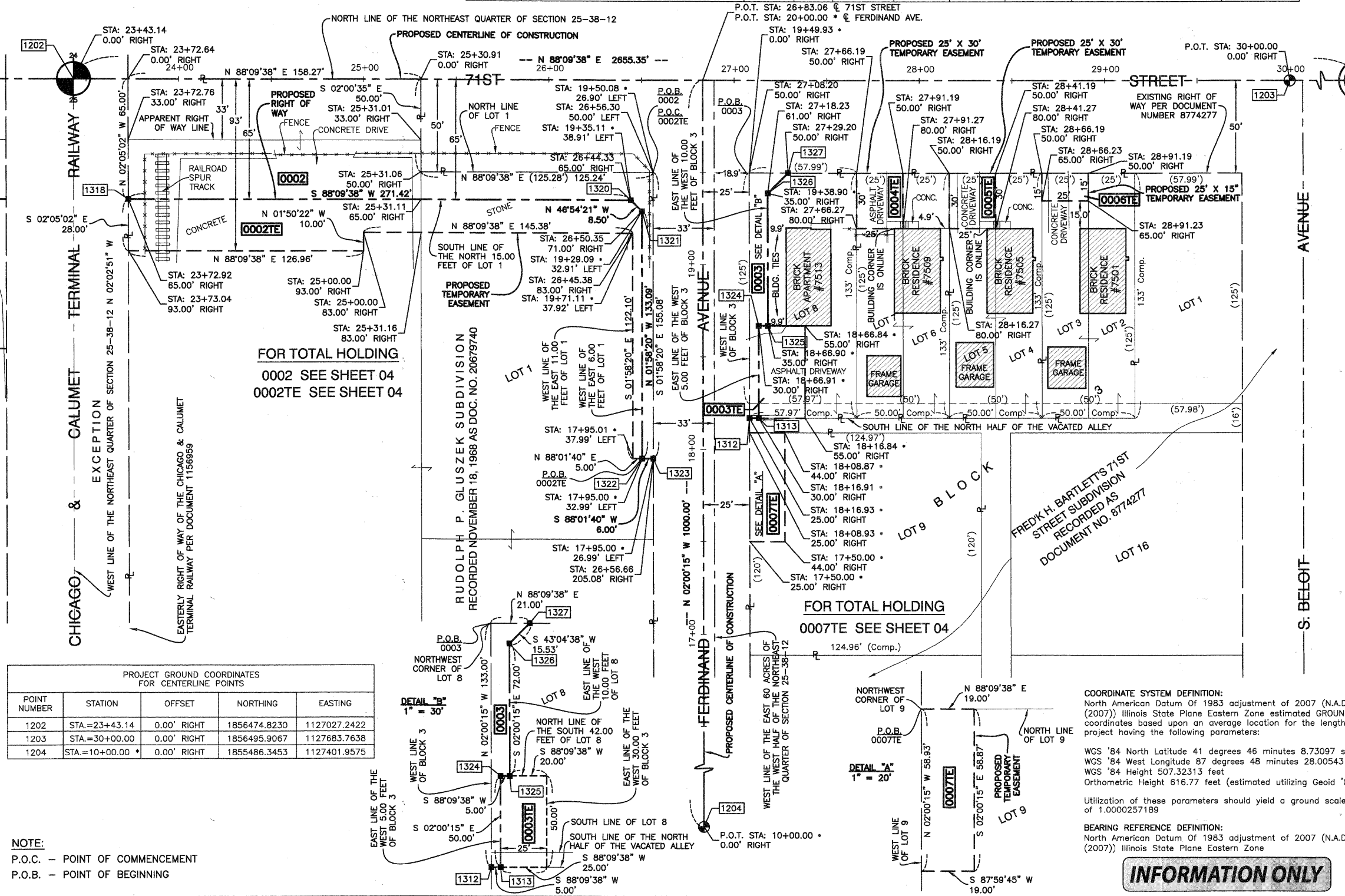


PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.U. 1537 (71ST AVENUE)
CONTRACT #63556

SECTION 06-00050-00-GS COOK COUNTY
PROJECT NO. JOB NO. R-90-009-10

SCALE: 1" = 30' SHEET 59 OF 209

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



PROJECT GROUND COORDINATES FOR CENTERLINE POINTS				
POINT NUMBER	STATION	OFFSET	NORTHING	EASTING
1202	STA.=23+43.14	0.00' RIGHT	1856474.8230	1127027.2422
1203	STA.=30+00.00	0.00' RIGHT	1856495.9067	1127683.7638
1204	STA.=10+00.00 *	0.00' RIGHT	1855486.3453	1127401.9575

NOTE:
P.O.C. - POINT OF COMMENCEMENT
P.O.B. - POINT OF BEGINNING

INFORMATION ONLY

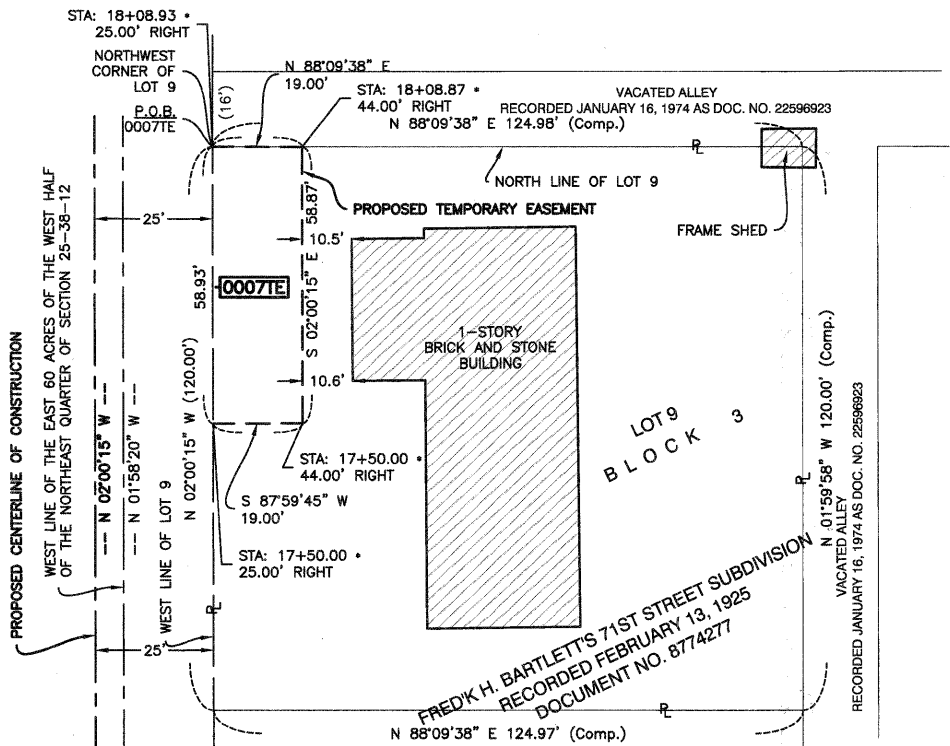
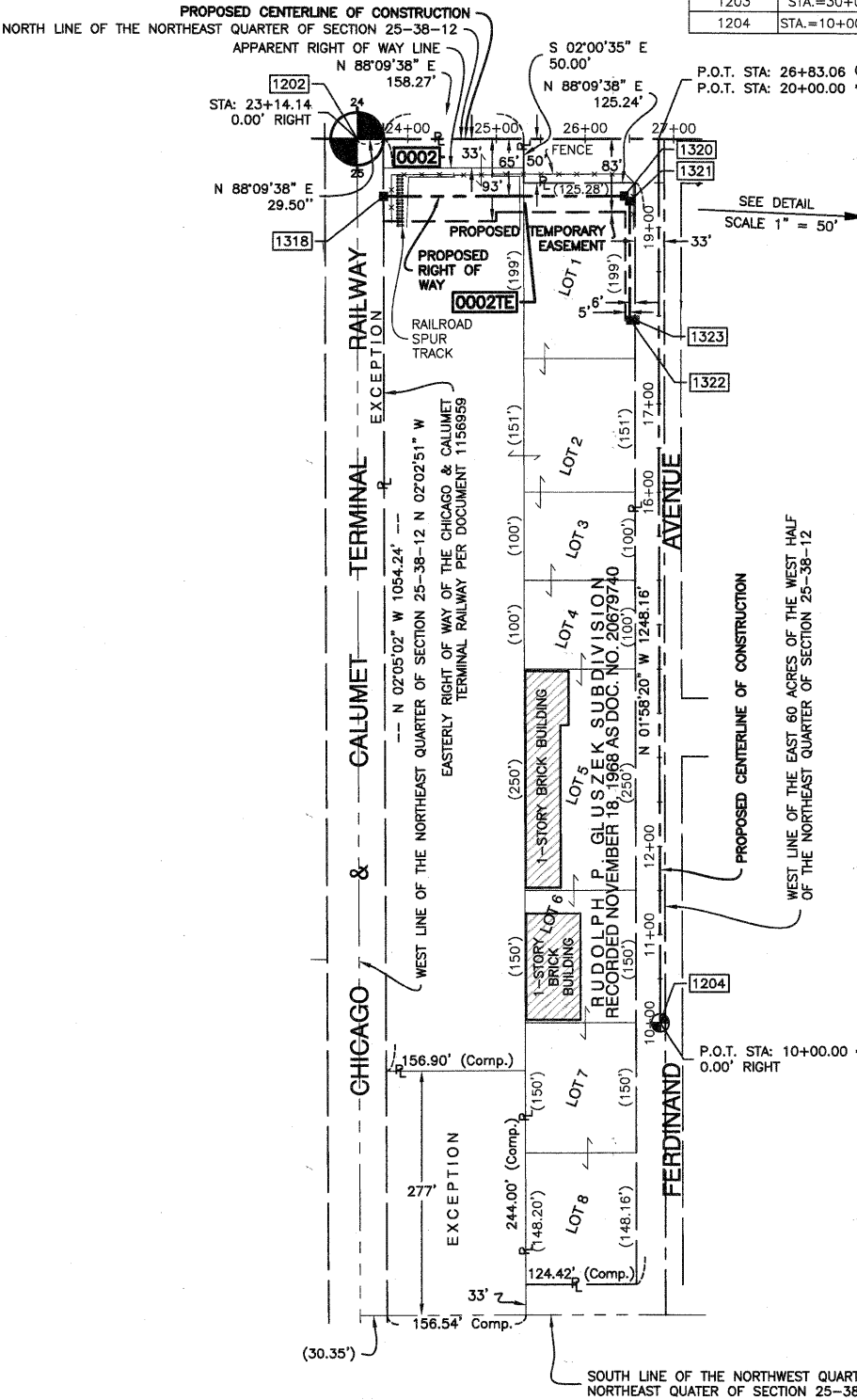
PART OF SECTION 25, TOWNSHIP 38 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, IN COOK COUNTY, ILLINOIS

POINT NUMBER	STATION	OFFSET	NORTHING	EASTING
1312	STA.=18+63.93 *	25.00' RIGHT	1856303.6472	1127398.3705
1313	STA.=18+61.91 *	30.00' RIGHT	1856303.8076	1127403.3679
1318	STA.=23+72.92	65.00' RIGHT	1856410.8123	1127059.0915
1320	STA.=26+44.33	65.00' RIGHT	1856419.5241	1127330.3678
1321	STA.=26+51.35	72.00' RIGHT	1856413.7203	1127336.5712
1322	STA.=17+95.00 *	31.99' LEFT	1856279.7095	1127341.1858
1323	STA.=17+95.00 *	26.99' LEFT	1856279.9160	1127347.1823
1324	STA.=18+66.91 *	30.00' RIGHT	1856353.7773	1127401.6192
1325	STA.=18+66.90 *	35.00' RIGHT	1856353.9378	1127406.6166
1326	STA.=27+18.23	61.00' RIGHT	1856425.8937	1127404.0985
1327	STA.=27+29.20	50.00' RIGHT	1856437.2404	1127414.7080

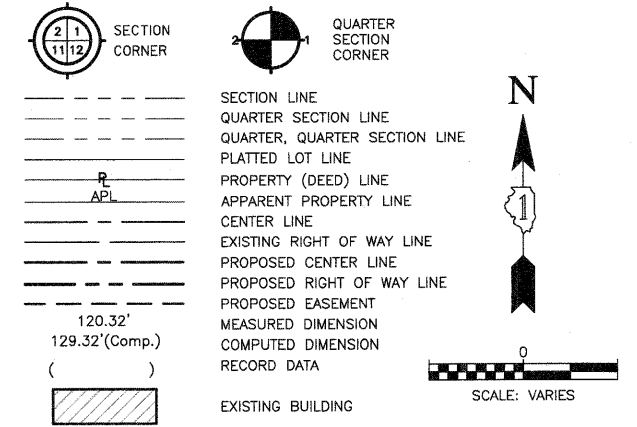
* - DENOTES STATIONING FOR FERDINAND AVENUE

PARCEL NO.	OWNER	TOTAL HOLDING	PART TAKEN	REMAINDER	PREVIOUS DEDICATION	EASEMENT	EASEMENT PURPOSE	TAX NUMBER(S)	ACQUIRED BY
		(ACRES) SQ.FEET	(ACRES) SQ.FEET	(ACRES) SQ.FEET	(ACRES) SQ.FEET	(ACRES) SQ.FEET			
0002 0002TE	Prairie Material Sales Inc.	(7.391)	(0.299)	(7.092)	(0.120)	(0.157)	TEMPORARY ROADWAY GRADING	18-25-200-019-0000 18-25-200-020-0000 18-25-200-021-0000 18-25-200-022-0000 18-25-200-023-0000 18-25-200-024-0000 18-25-200-025-0000 18-25-200-026-0000 18-25-200-027-0000 18-25-200-028-0000	
0007TE	English Bridgeview Illinois Congregation of Jehovah's Witnesses, an Illinois not-for-profit Corporation	(0.344)	N/A	(0.344)	N/A	(0.026)	DRIVEWAY	18-25-201-009-0000	

POINT NUMBER	STATION	OFFSET	NORTHING	EASTING
1202	STA.=23+43.14	0.00' RIGHT	1856474.8230	1127027.2422
1203	STA.=30+00.00	0.00' RIGHT	1856495.9067	1127683.7638
1204	STA.=10+00.00 *	0.00' RIGHT	1855486.3453	1127401.9575



LEGEND



- IRON PIPE OR ROD FOUND
- + CUT CROSS FOUND OR SET
- 3/4" IRON PIPE 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 SURVEYORS REGISTRATION NUMBER.
- 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 SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS 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 SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T. STD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS }
COUNTY OF COOK } SS

THIS IS TO CERTIFY THAT I, DAN C. PAARLBERG, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 24, TOWNSHIP 38 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, IN COOK COUNTY, ILLINOIS, 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 SOUTH HOLLAND, ILLINOIS THIS 14TH DAY OF APRIL, 2010 A.D.

ILLINOIS REGISTERED LAND SURVEYOR NO. 035-003243
EXPIRATION DATE: NOVEMBER 30, 2010

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



PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.U. 1537 (71ST AVENUE)
CONTRACT #63556
SECTION 06-00050-00-GS COOK COUNTY
PROJECT NO. JOB NO. R-90-009-10
TOTAL HOLDINGS FOR PARCELS 0002, 0002TE & 0007TE
SCALE: 1" = VARIES SHEET 60 OF 209

INFORMATION ONLY

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

PART OF SECTIONS 24 & 25, TOWNSHIP 38 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, IN COOK COUNTY, ILLINOIS

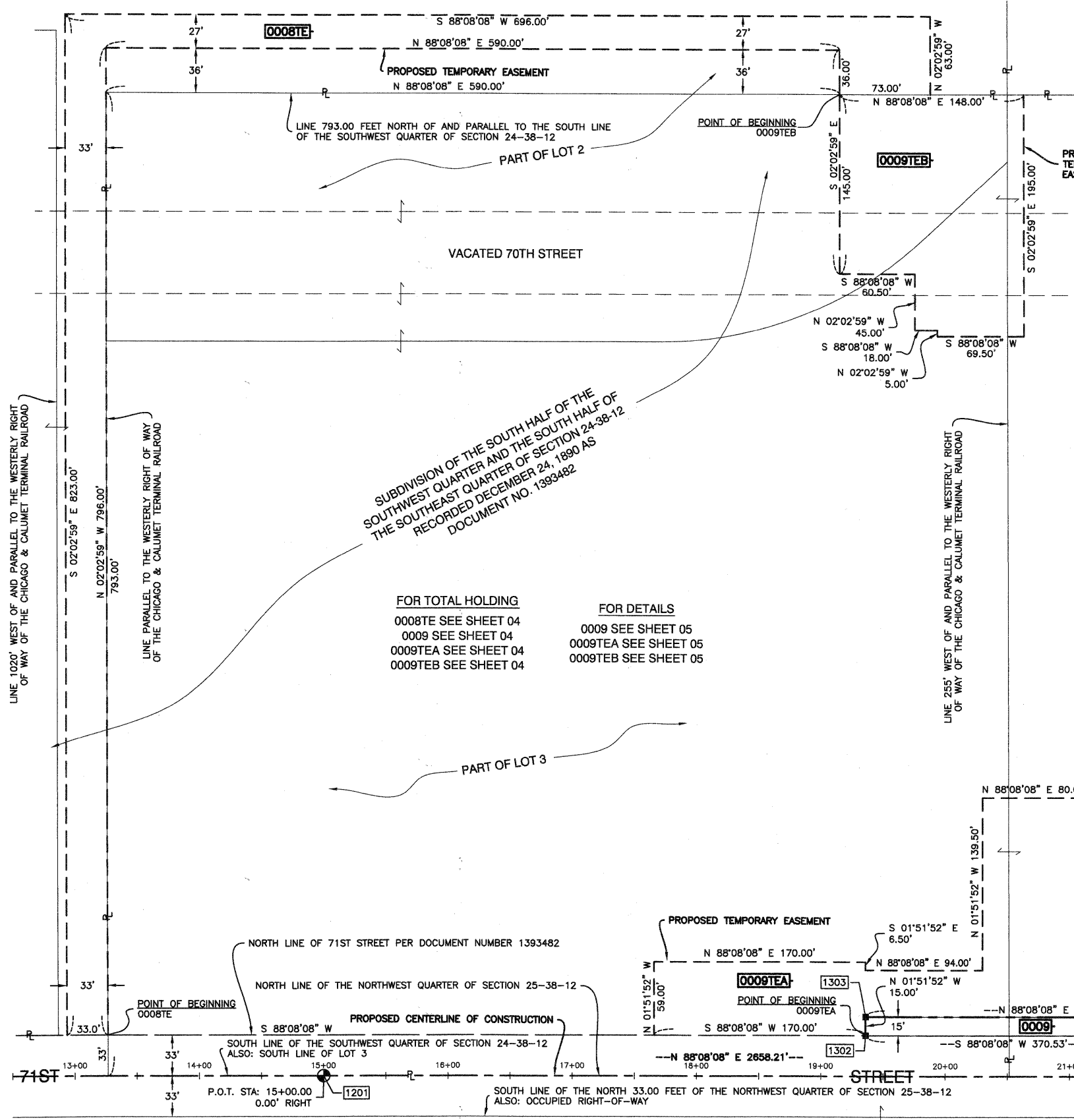
PARCEL NO.	OWNER	TOTAL HOLDING (ACRES) SQ. FEET	PART TAKEN (ACRES) SQ. FEET	REMAINDER (ACRES) SQ. FEET	PREVIOUS DEDICATION (ACRES) SQ. FEET	EASEMENT (ACRES) SQ. FEET	EASEMENT PURPOSE	TAX NUMBER(S)	ACQUIRED BY
0008TE	MLRP Bridgeview Complex LLC, a Delaware limited liability company	(34.486)	N/A	N/A	(0.000)	(1.095)	CONSTRUCTION	18-24-302-013-0000 18-24-302-018-0000 18-24-302-019-0000 18-24-302-020-0000	
0009 0009TEA 0009TEB	Golden Grain Company which acquired title as Golden Grain Macaroni Company	(17.098)	(0.128)	(16.970)	(0.000)	N/A (0.693) (0.591)	CONSTRUCTION CONSTRUCTION CONSTRUCTION	18-24-302-007-0000 18-24-302-016-0000 18-24-302-023-0000 18-24-302-015-0000 (Part)	

POINT NUMBER	STATION	OFFSET	NORTHING	EASTING
1201	STA.=15+00.00	0.00' RIGHT	1856447.3913	1126184.5486
1202	STA.=23+43.13	0.00' RIGHT	1856474.8230	1127027.2422

POINT NUMBER	STATION	OFFSET	NORTHING	EASTING
1302	STA.=19+36.00	33.00' LEFT	1126619.2441	1856494.5592
1303	STA.=19+36.00	48.00' LEFT	1856509.5512	1126618.7561

LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APL
- APPARENT PROPERTY LINE
- CENTER LINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED CENTER LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORD DATA
- EXISTING BUILDING
- IRON PIPE OR ROD FOUND
- CUT CROSS FOUND OR SET
- 3/4" IRON PIPE SET
- 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 SURVEYORS REGISTRATION NUMBER.
- 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 SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS 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 SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T. STD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET.



COORDINATE SYSTEM DEFINITION:
North American Datum Of 1983 adjustment of 2007 (N.A.D. '83 (2007)) Illinois State Plane Eastern Zone estimated GROUND coordinates based upon an average location for the length of the project having the following parameters:
WGS '84 North Latitude 41 degrees 46 minutes 8.73097 seconds
WGS '84 West Longitude 87 degrees 48 minutes 28.00543 seconds
WGS '84 Height 507.32313 feet
Orthometric Height 616.77 feet (estimated utilizing Geoid '03)
Utilization of these parameters should yield a ground scale factor of 1.0000257189

BEARING REFERENCE DEFINITION:
North American Datum Of 1983 adjustment of 2007 (N.A.D. '83 (2007)) Illinois State Plane Eastern Zone

STATE OF ILLINOIS)
COUNTY OF COOK) SS

THIS IS TO CERTIFY THAT I, DAN C. PAARLBERG, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 24 AND 25, TOWNSHIP 38 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN AND SECTION 06, TOWNSHIP 37 NORTH, RANGE 13 EAST OF THE THIRD PRINCIPAL MERIDIAN, ALL IN COOK COUNTY, ILLINOIS, 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 SOUTH HOLLAND, ILLINOIS THIS 22ND DAY OF JUNE, 2010 A.D.

ILLINOIS REGISTERED LAND SURVEYOR NO. 035-003243
EXPIRATION DATE: NOVEMBER 30, 2010

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



INFORMATION ONLY



PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.U. 1537 (71ST AVENUE)
CONTRACT #63556

SECTION 06-00050-00-GS COOK COUNTY
PROJECT NO. JOB NO. R-90-009-10
STATION 12+50.00 TO STATION 23+43.14
SCALE: 1"=50' SHEET 61 OF 209

PART OF SECTIONS 24 & 25, TOWNSHIP 38 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, IN COOK COUNTY, ILLINOIS

PARCEL NO.	OWNER	TOTAL HOLDING (ACRES) SQ. FEET	PART TAKEN (ACRES) SQ. FEET	REMAINDER (ACRES) SQ. FEET	PREVIOUS DEDICATION (ACRES) SQ. FEET	EASEMENT (ACRES) SQ. FEET	EASEMENT PURPOSE	TAX NUMBER(S)	ACQUIRED BY
0010PEA 0010PEB 0010TEA 0010TEB	Public Service Company of Northern Illinois, an Illinois Corporation	(12.957)	N/A N/A N/A N/A	N/A	(0.000)	(0.196) (0.298) (0.203) (0.076)	CONSTRUCTION CONSTRUCTION	18-24-402-003-0000	

FOR TOTAL HOLDING
 0010PEA SEE SHEET 06
 0010PEB SEE SHEET 06
 0010TEA SEE SHEET 06
 0010TEB SEE SHEET 06

FOR DETAILS
 0010PEA SEE SHEET 06
 0010PEB SEE SHEET 06
 0010TEA SEE SHEET 06
 0010TEB SEE SHEET 06

PROJECT GROUND COORDINATES FOR CENTERLINE POINTS				
POINT NUMBER	STATION	OFFSET	NORTHING	EASTING
1201	STA.=15+00.00	0.00' RIGHT	1856447.3913	1126184.5486
1202	STA.=23+43.13	0.00' RIGHT	1856474.8230	1127027.2422
1203	STA.=30+00.00	0.00' RIGHT	1856495.9067	1127683.7638
1204	STA.=10+00.00	0.00' RIGHT	1855486.3453	1127401.9575

* -- DENOTES STATIONING FOR FERDINAND AVENUE

LEGEND

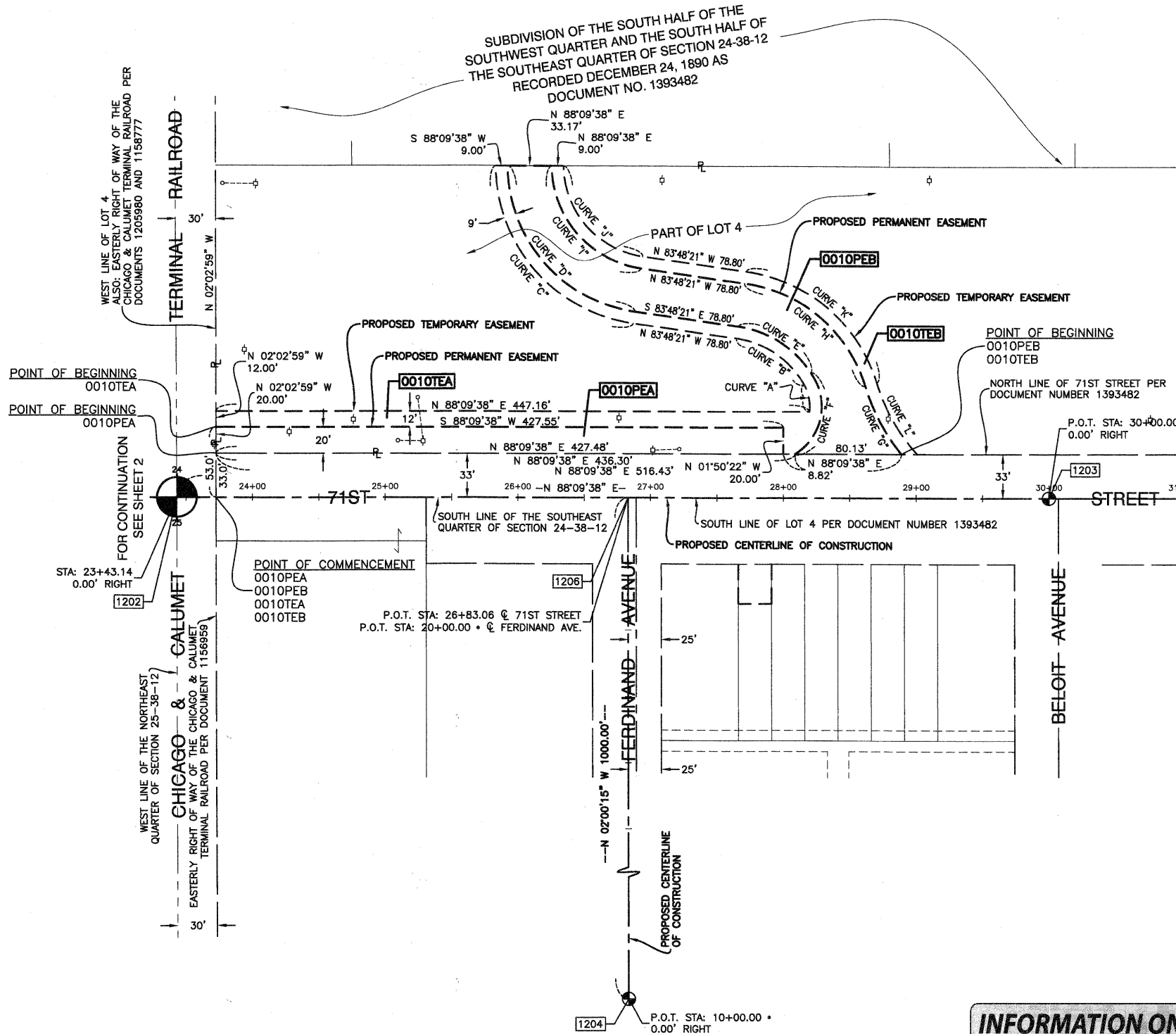
SECTION CORNER
 QUARTER SECTION CORNER
 SECTION LINE
 QUARTER SECTION LINE
 QUARTER, QUARTER SECTION LINE
 PLATTED LOT LINE
 PROPERTY (DEED) LINE
 APPARENT PROPERTY LINE
 CENTER LINE
 EXISTING RIGHT OF WAY LINE
 PROPOSED CENTER LINE
 PROPOSED RIGHT OF WAY LINE
 PROPOSED EASEMENT
 MEASURED DIMENSION
 COMPUTED DIMENSION
 RECORD DATA
 EXISTING BUILDING

IRON PIPE OR ROD FOUND
 CUT CROSS FOUND OR SET
 3/4" IRON PIPE SET
 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 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 SURVEYORS REGISTRATION NUMBER.
 STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS 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 SURVEYORS REGISTRATION NUMBER.
 PERMANENT SURVEY MARKER, I.D.O.T. STD 2135 (TO BE SET BY OTHERS)
 RIGHT OF WAY STAKING PROPOSED TO BE SET.

"MAG" NAIL SET
 5/8" REBAR SET
 "P.K" NAIL SET

SCALE: 1"=50'

- CURVE "A"**
 $\Delta=36^{\circ}12'20''$
 $L=21.12'$
 $R=33.42'$
 $CH.=20.77'$
 $CH. BRG.=S13^{\circ}04'02''E$
- CURVE "B"**
 $\Delta=52^{\circ}38'09''$
 $L=63.77'$
 $R=69.42'$
 $CH.=61.55'$
 $CH. BRG.=S57^{\circ}29'17''E$
- CURVE "C"**
 $\Delta=81^{\circ}43'22''$
 $L=171.99'$
 $R=120.58'$
 $CH.=157.78'$
 $CH. BRG.=N42^{\circ}56'40''W$
- CURVE "D"**
 $\Delta=81^{\circ}42'11''$
 $L=159.12'$
 $R=111.58'$
 $CH.=145.97'$
 $CH. BRG.=N42^{\circ}57'16''W$
- CURVE "E"**
 $\Delta=52^{\circ}38'09''$
 $L=72.04'$
 $R=78.42'$
 $CH.=69.53'$
 $CH. BRG.=N57^{\circ}29'17''W$
- CURVE "F"**
 $\Delta=87^{\circ}24'14''$
 $L=64.71'$
 $R=42.42'$
 $CH.=58.61'$
 $CH. BRG.=N12^{\circ}31'54''E$
- CURVE "G"**
 $\Delta=21^{\circ}56'15''$
 $L=58.36'$
 $R=152.42'$
 $CH.=58.00'$
 $CH. BRG.=N29^{\circ}54'36''W$
- CURVE "H"**
 $\Delta=64^{\circ}51'53''$
 $L=126.32'$
 $R=111.58'$
 $CH.=119.69'$
 $CH. BRG.=N51^{\circ}22'25''W$
- CURVE "I"**
 $\Delta=81^{\circ}35'30''$
 $L=111.67'$
 $R=78.42'$
 $CH.=102.47'$
 $CH. BRG.=N43^{\circ}00'36''W$
- CURVE "J"**
 $\Delta=81^{\circ}32'35''$
 $L=98.79'$
 $R=69.42'$
 $CH.=90.66'$
 $CH. BRG.=S43^{\circ}02'04''E$
- CURVE "K"**
 $\Delta=64^{\circ}51'53''$
 $L=136.51'$
 $R=120.58'$
 $CH.=129.34'$
 $CH. BRG.=S51^{\circ}22'25''E$
- CURVE "L"**
 $\Delta=24^{\circ}55'02''$
 $L=62.37'$
 $R=143.42'$
 $CH.=61.88'$
 $CH. BRG.=S31^{\circ}23'59''E$



DATE	BY	R.O.W. PLAT	NOTEBOOK NO.



STATE OF ILLINOIS)
 COUNTY OF COOK) SS

THIS IS TO CERTIFY THAT I, DAN C. PAARLBERG, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 24 AND 25, TOWNSHIP 38 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN AND SECTION 06, TOWNSHIP 37 NORTH, RANGE 13 EAST OF THE THIRD PRINCIPAL MERIDIAN, ALL IN COOK COUNTY, ILLINOIS, 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 SOUTH HOLLAND, ILLINOIS THIS 22ND DAY OF JUNE, 2010 A.D.

ILLINOIS REGISTERED LAND SURVEYOR NO. 035-003243
 EXPIRATION DATE: NOVEMBER 30, 2010

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



PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 F.A.U. 1537 (71ST AVENUE)
 CONTRACT #63556

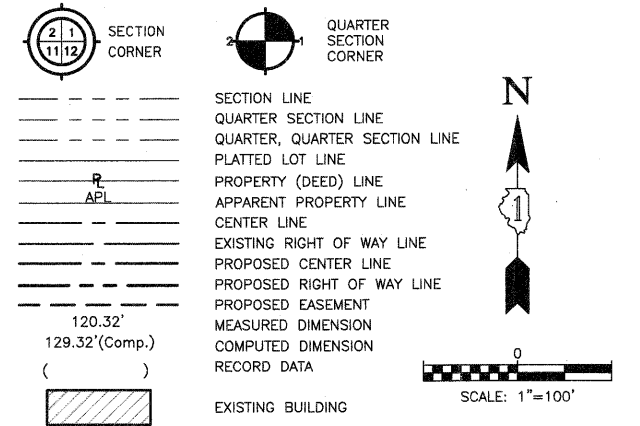
SECTION 06-00050-00-GS COOK COUNTY
 PROJECT NO. 12 JOB NO. R-90-009-10
 STATION 23+43.14 TO STATION 31+00.00
 SCALE: 1"=50' SHEET 62 OF 209

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

INFORMATION ONLY

PART OF SECTION 24, TOWNSHIP 38 NORTH, RANGE 12 EAST OF THE 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
- 3/4" IRON PIPE SET
- "P.K" NAIL 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 SURVEYORS REGISTRATION NUMBER.
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- ⊕ PERMANENT SURVEY MARKER, I.D.O.T. STD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET.



STATE OF ILLINOIS)
COUNTY OF COOK) SS

THIS IS TO CERTIFY THAT I, DAN C. PAARLBERG, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 24 AND 25, TOWNSHIP 38 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN AND SECTION 06, TOWNSHIP 37 NORTH, RANGE 13 EAST OF THE THIRD PRINCIPAL MERIDIAN, ALL IN COOK COUNTY, ILLINOIS, 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 SOUTH HOLLAND, ILLINOIS THIS 22ND DAY OF JUNE, 2010 A.D.

ILLINOIS REGISTERED LAND SURVEYOR NO. 035-003243
EXPIRATION DATE: NOVEMBER 30, 2010

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



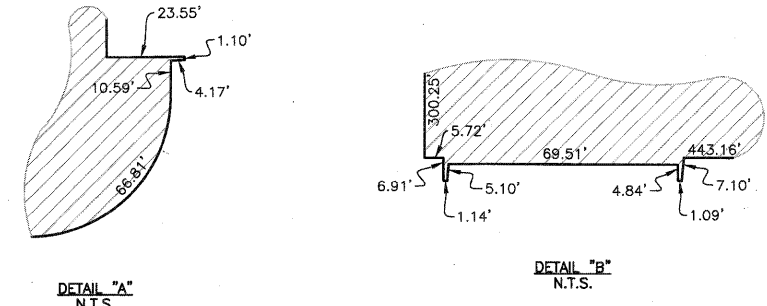
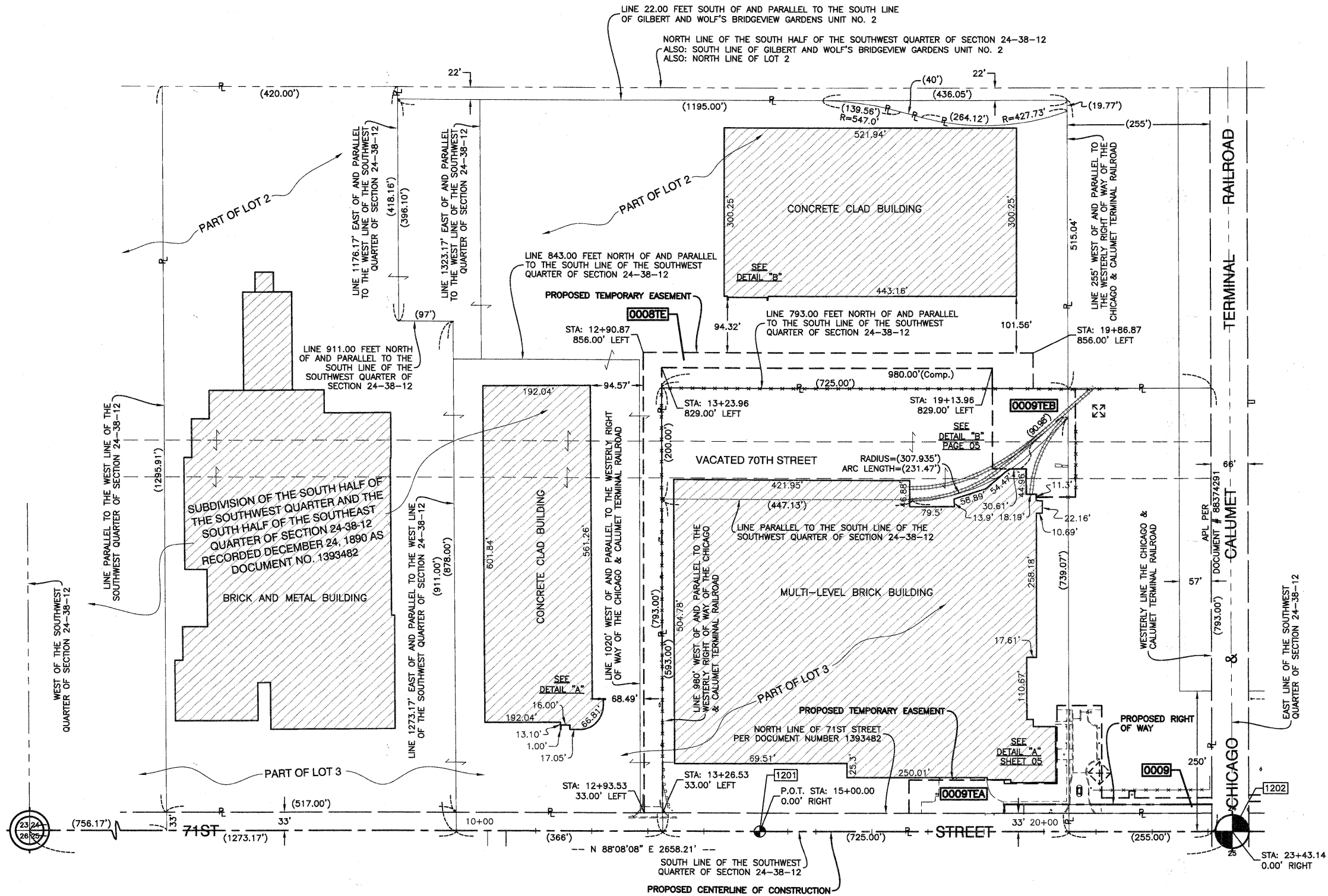
PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.U. 1537 (71ST AVENUE)
CONTRACT #63556

SECTION 06-00050-00-GS COOK COUNTY
PROJECT NO. JOB NO. R-90-009-10

SCALE: 1"=100' SHEET 63 OF 209

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

DATE	BY	R.O.W. PLAT	NOTEBOOK NO.



TOTAL HOLDING

INFORMATION ONLY

COORDINATE SYSTEM DEFINITION:
North American Datum Of 1983 adjustment of 2007 (N.A.D. '83 (2007)) Illinois State Plane Eastern Zone estimated GROUND coordinates based upon an average location for the length of the project having the following parameters:

WGS '84 North Latitude 41 degrees 46 minutes 8.73097 seconds
WGS '84 West Longitude 87 degrees 48 minutes 28.00543 seconds
WGS '84 Height 507.32313 feet
Orthometric Height 616.77 feet (estimated utilizing Geoid '03)

Utilization of these parameters should yield a ground scale factor of 1.0000257189

BEARING REFERENCE DEFINITION:
North American Datum Of 1983 adjustment of 2007 (N.A.D. '83 (2007)) Illinois State Plane Eastern Zone

PART OF SECTION 24, TOWNSHIP 38 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, IN COOK COUNTY, ILLINOIS

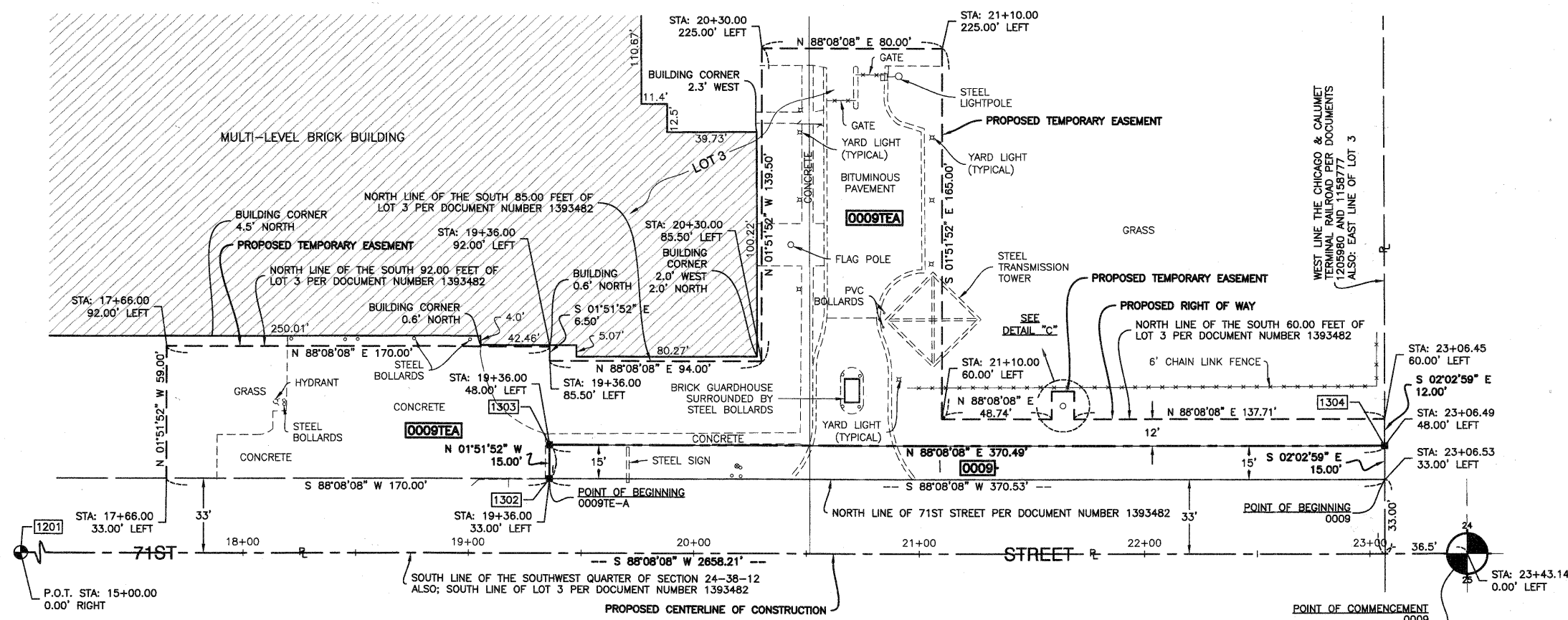
LEGEND

SECTION CORNER
QUARTER SECTION CORNER

SECTION LINE
QUARTER SECTION LINE
QUARTER, QUARTER SECTION LINE
PLATTED LOT LINE
PROPERTY (DEED) LINE
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COMPUTED DIMENSION
RECORD DATA

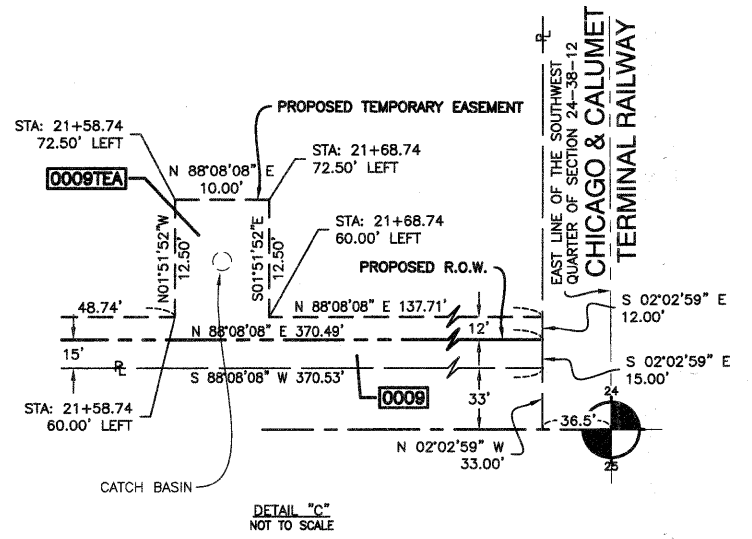
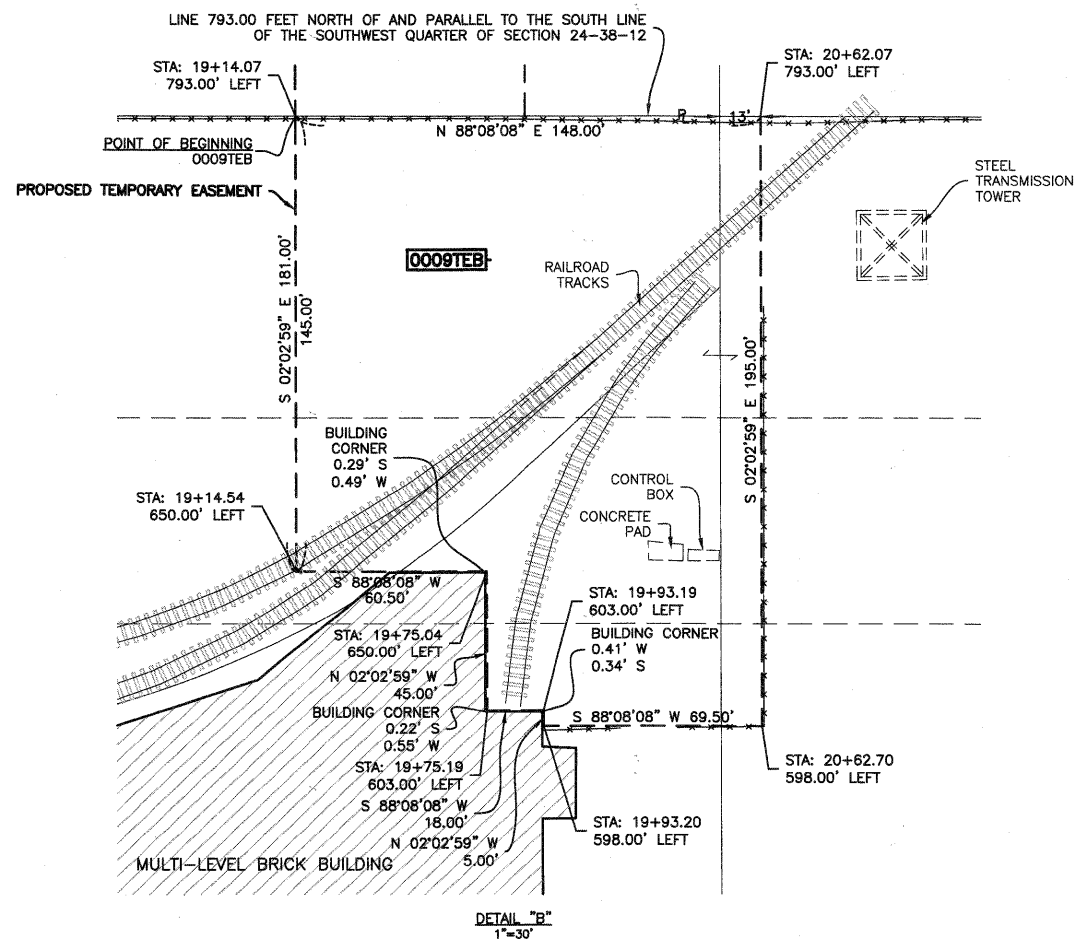
EXISTING BUILDING

SCALE: VARIES



- IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- + CUT CROSS FOUND OR SET
- 5/8" REBAR SET
- 3/4" IRON PIPE SET
- "P.K." NAIL 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 SURVEYORS REGISTRATION NUMBER.
- 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 SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS 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 SURVEYORS REGISTRATION NUMBER.
- ⊙ PERMANENT SURVEY MARKER, I.D.O.T. STD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET.

DATE	
BY	
R.O.W. PLAT	
NOTEBOOK NO.	



STATE OF ILLINOIS)
COUNTY OF COOK) SS

THIS IS TO CERTIFY THAT I, DAN C. PAARLBERG, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 24 AND 25, TOWNSHIP 38 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN AND SECTION 06, TOWNSHIP 37 NORTH, RANGE 13 EAST OF THE THIRD PRINCIPAL MERIDIAN, ALL IN COOK COUNTY, ILLINOIS, 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 SOUTH HOLLAND, ILLINOIS THIS 22ND DAY OF JUNE, 2010 A.D.

ILLINOIS REGISTERED LAND SURVEYOR NO. 035-003243
EXPIRATION DATE: NOVEMBER 30, 2010

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



COORDINATE SYSTEM DEFINITION:
North American Datum Of 1983 adjustment of 2007 (N.A.D. '83 (2007)) Illinois State Plane Eastern Zone estimated GROUND coordinates based upon an average location for the length of the project having the following parameters:
WGS '84 North Latitude 41 degrees 46 minutes 8.73097 seconds
WGS '84 West Longitude 87 degrees 48 minutes 28.00543 seconds
WGS '84 Height 507.32313 feet
Orthometric Height 616.77 feet (estimated utilizing Geoid '03)
Utilization of these parameters should yield a ground scale factor of 1.0000257189

BEARING REFERENCE DEFINITION:
North American Datum Of 1983 adjustment of 2007 (N.A.D. '83 (2007)) Illinois State Plane Eastern Zone

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.U. 1537 (71ST AVENUE)
CONTRACT #63556

SECTION 06-00050-00-GS COOK COUNTY
PROJECT NO. JOB NO. R-90-009-10

SCALE: VARIES SHEET 64 OF 209

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

INFORMATION ONLY

PART OF SECTION 24, TOWNSHIP 38 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, IN COOK COUNTY, ILLINOIS

SUBDIVISION OF THE SOUTH HALF OF THE SOUTHWEST QUARTER AND THE SOUTH HALF OF THE SOUTHEAST QUARTER OF SECTION 24-38-12 RECORDED DECEMBER 24, 1890 AS DOCUMENT NO. 1393482

LEGEND

- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- CENTER LINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED CENTER LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORD DATA
- EXISTING BUILDING

SECTION CORNER: 21/1112
 QUARTER SECTION CORNER: 2/1

SCALE: VARIES

- IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- + CUT CROSS FOUND OR SET
- 5/8" REBAR SET
- 3/4" IRON PIPE SET
- "P.K." NAIL 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 T2 COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- 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 BT2 COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS 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 SURVEYORS REGISTRATION NUMBER.
- ⊕ PERMANENT SURVEY MARKER, I.D.O.T. STD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET.

DAN C. PAARLBERG
 035-003243
 PROFESSIONAL LAND SURVEYOR
 STATE OF ILLINOIS
 SOUTH HOLLAND, ILLINOIS

STATE OF ILLINOIS } SS
 COUNTY OF COOK }

THIS IS TO CERTIFY THAT I, DAN C. PAARLBERG, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 24 AND 25, TOWNSHIP 38 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN AND SECTION 37 NORTH, RANGE 13 EAST OF THE THIRD PRINCIPAL MERIDIAN, ALL IN COOK COUNTY, ILLINOIS, 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 SOUTH HOLLAND, ILLINOIS THIS 22ND DAY OF JUNE, 2010 A.D.

ILLINOIS REGISTERED LAND SURVEYOR NO. 035-003243
 EXPIRATION DATE: NOVEMBER 30, 2010

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

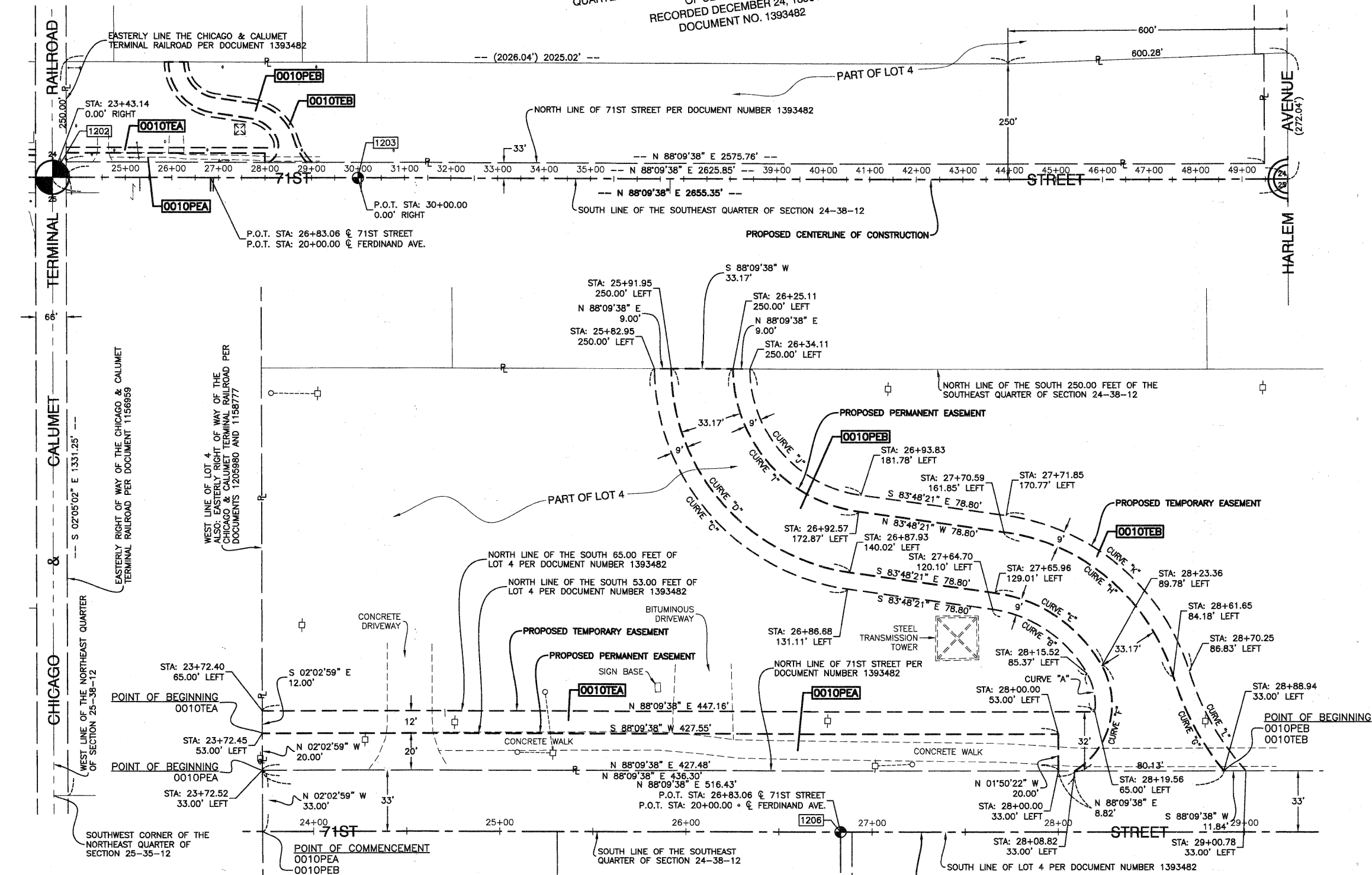


PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 F.A.U. 1537 (71ST AVENUE)
 CONTRACT #63556

SECTION 06-00050-00-GS COOK COUNTY
 PROJECT NO. JOB NO. R-90-009-10

SCALE: VARIES SHEET 65 OF 209

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



COORDINATE SYSTEM DEFINITION:
 North American Datum Of 1983 adjustment of 2007 (N.A.D. '83 (2007)) Illinois State Plane Eastern Zone estimated GROUND coordinates based upon an average location for the length of the project having the following parameters:
 WGS '84 North Latitude 41 degrees 46 minutes 8.73097 seconds
 WGS '84 West Longitude 87 degrees 48 minutes 28.00543 seconds
 WGS '84 Height 507.32313 feet
 Orthometric Height 616.77 feet (estimated utilizing Geoid '03)
 Utilization of these parameters should yield a ground scale factor of 1.0000257189

BEARING REFERENCE DEFINITION:
 North American Datum Of 1983 adjustment of 2007 (N.A.D. '83 (2007)) Illinois State Plane Eastern Zone

CURVE "A"	CURVE "B"	CURVE "C"	CURVE "D"	CURVE "E"	CURVE "F"	CURVE "G"	CURVE "H"	CURVE "I"	CURVE "J"	CURVE "K"	CURVE "L"
Δ=36°12'20"	Δ=52°38'09"	Δ=52°38'09"	Δ=81°43'22"	Δ=52°38'09"	Δ=87°24'14"	Δ=21°56'15"	Δ=64°51'53"	Δ=81°35'30"	Δ=81°32'35"	Δ=64°51'53"	Δ=24°55'02"
L=21.12'	L=63.77'	L=63.77'	L=171.99'	L=72.04'	L=64.71'	L=58.36'	L=126.32'	L=111.67'	L=98.79'	L=136.51'	L=62.37'
R=33.42'	R=69.42'	R=69.42'	R=120.58'	R=78.42'	R=42.42'	R=152.42'	R=111.58'	R=78.42'	R=69.42'	R=120.58'	R=143.42'
CH.=20.77'	CH.=61.55'	CH.=61.55'	CH.=157.78'	CH.=69.53'	CH.=58.61'	CH.=145.97'	CH.=119.69'	CH.=102.47'	CH.=90.66'	CH.=129.34'	CH.=61.88'
CH. BRG.=S13°04'02"E	CH. BRG.=S57°29'17"E	CH. BRG.=S57°29'17"E	CH. BRG.=N42°56'40"W	CH. BRG.=S13°04'02"E	CH. BRG.=N12°31'54"E	CH. BRG.=N29°54'36"W	CH. BRG.=N51°22'25"W	CH. BRG.=N43°00'36"W	CH. BRG.=S43°02'04"E	CH. BRG.=S51°22'25"E	CH. BRG.=S31°23'59"E

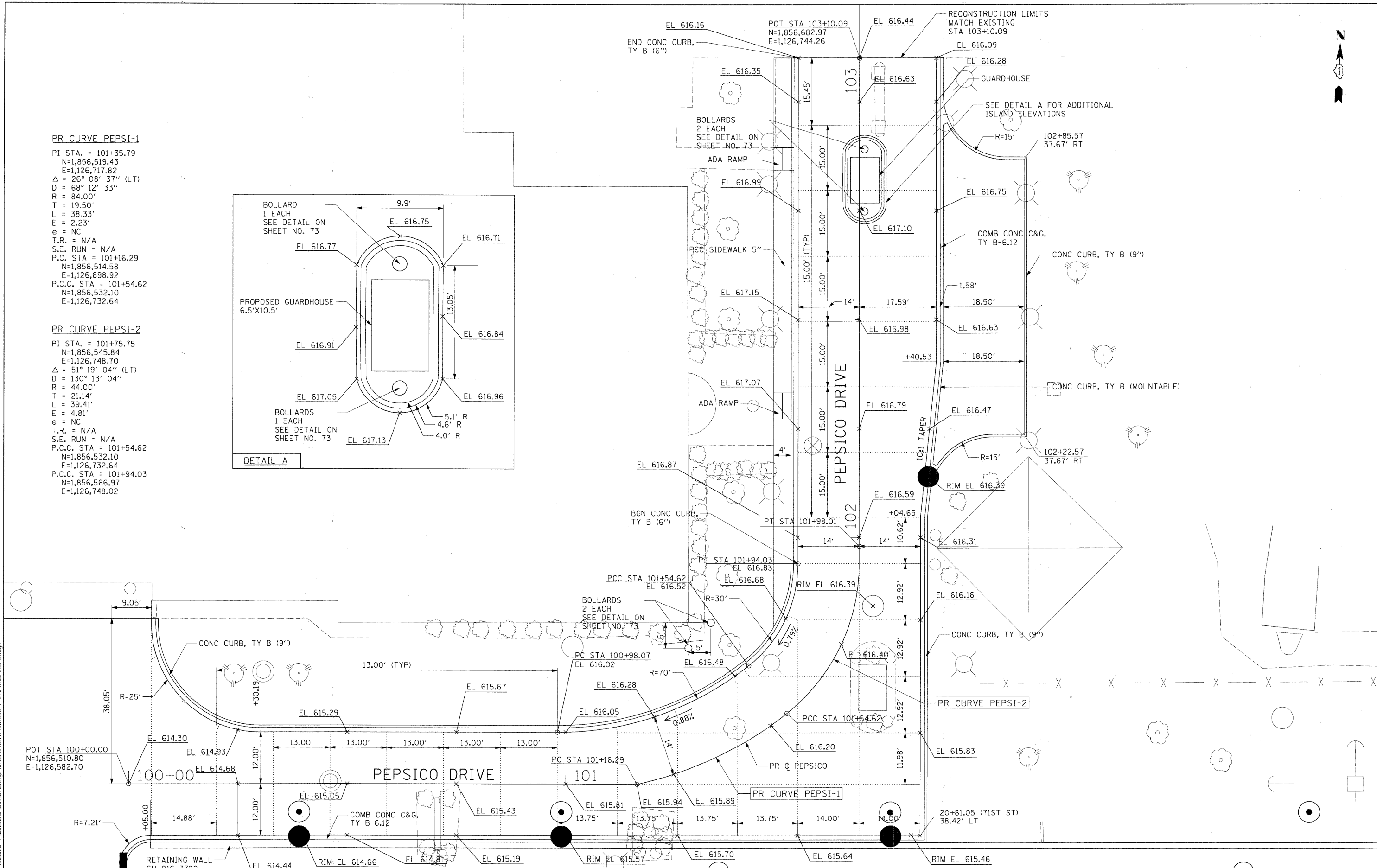
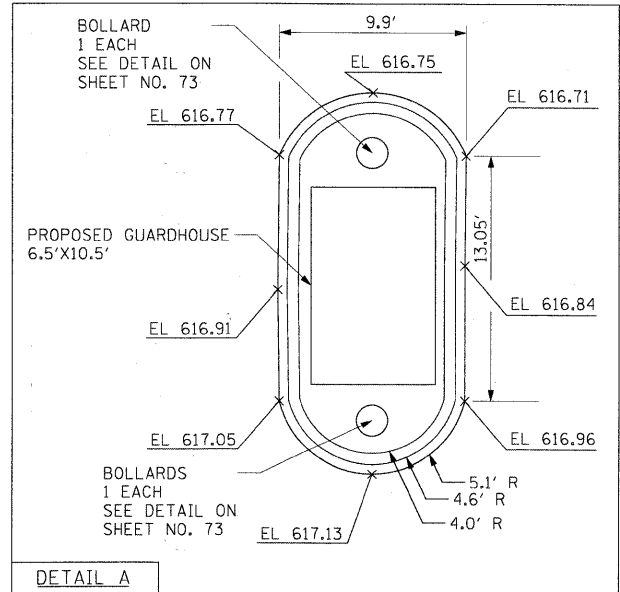
INFORMATION ONLY

PR CURVE PEPSI-1

PI STA. = 101+35.79
 N=1,856,519.43
 E=1,126,717.82
 $\Delta = 26^\circ 08' 37''$ (LT)
 D = 68' 12' 33"
 R = 84.00'
 T = 19.50'
 L = 38.33'
 E = 2.23'
 e = NC
 T.R. = N/A
 S.E. RUN = N/A
 P.C. STA = 101+16.29
 N=1,856,514.58
 E=1,126,698.92
 P.C.C. STA = 101+54.62
 N=1,856,532.10
 E=1,126,732.64

PR CURVE PEPSI-2

PI STA. = 101+75.75
 N=1,856,545.84
 E=1,126,748.70
 $\Delta = 51^\circ 19' 04''$ (LT)
 D = 130' 13' 04"
 R = 44.00'
 T = 21.14'
 L = 39.41'
 E = 4.81'
 e = NC
 T.R. = N/A
 S.E. RUN = N/A
 P.C.C. STA = 101+54.62
 N=1,856,532.10
 E=1,126,732.64
 P.C.C. STA = 101+94.03
 N=1,856,566.97
 E=1,126,748.02

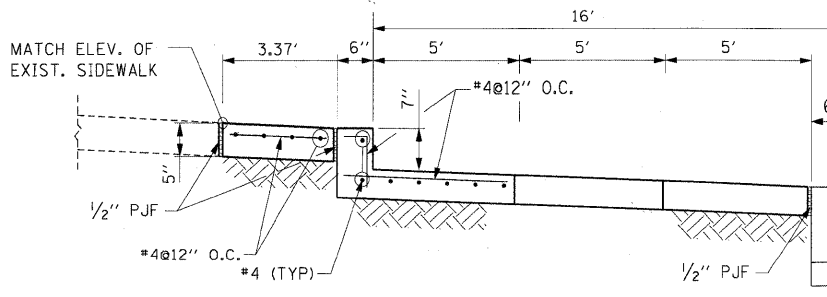
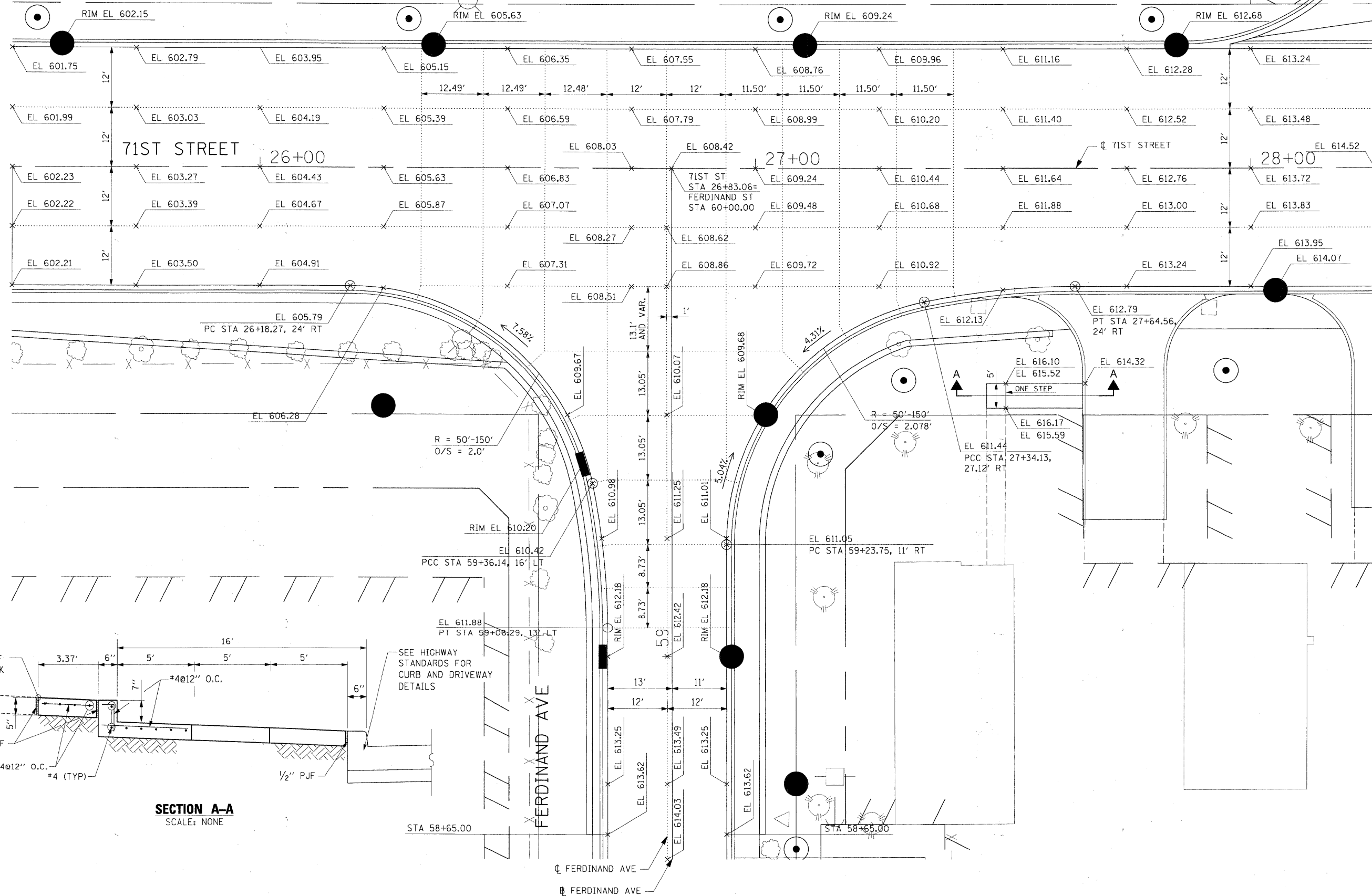


USER NAME = marnj	DESIGNED = KK	REVISED =
PLOT SCALE = 1/8" = 1'	DRAWN = ST	REVISED =
PLOT DATE = 2/17/2011	CHECKED = TJW	REVISED =
	DATE = FEBRUARY 17, 2011	REVISED =

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**INTERSECTION DETAIL PLAN
 PEPSICO DRIVEWAY**
 SCALE: 1"=10'
 SHEET NO. 1 OF 1 SHEETS
 STA 58+60.00 TO STA 60+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1537	06-00050-00-GS	COOK	209	66
CONTRACT NO. 63556				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT CRE-9003709				



SECTION A-A
SCALE: NONE



USER NAME = merryl	DESIGNED - JWM	REVISED -
PLOT SCALE = 10,000' / 1\"/>		
PLOT DATE = 2/17/2011	CHECKED - NJH	REVISED -
DATE - FEBRUARY 17, 2011	REVISOR -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSECTION DETAIL PLAN
71ST STREET AND FERDINAND AVENUE

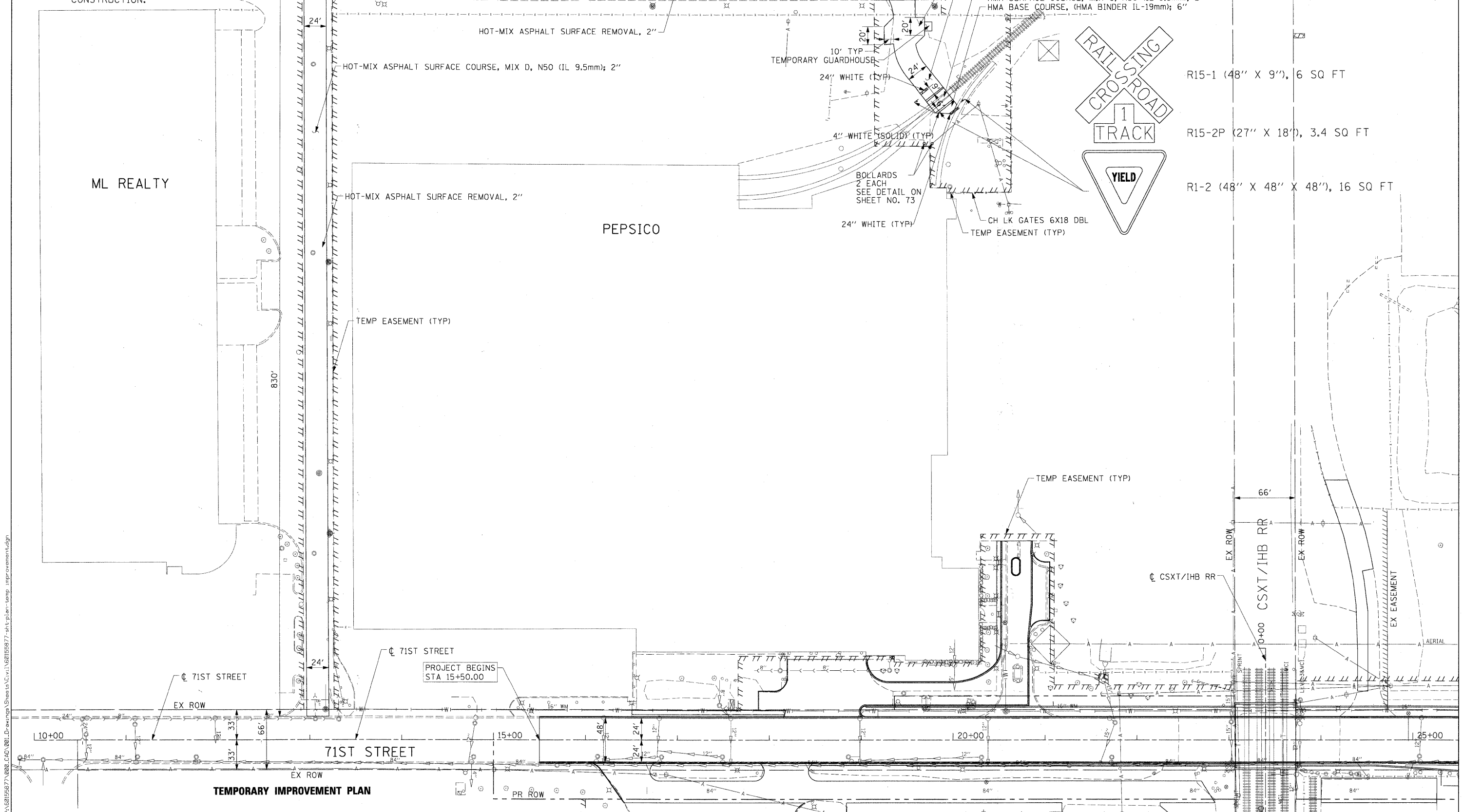
SCALE: 1"=10'
SHEET NO. 1 OF 1 SHEETS
STA 58+60.00 TO STA 60+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1537	06-00050-00-GS	COOK	209	67
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT CRE-9003709			CONTRACT NO. 63556	

FILE NAME = P:\60155877\020_CAD\001_Drawing\Sheets\Civil\60155877\911rtersec-02.dgn

NOTE:

FINAL LIMITS OF RESURFACING IN THE MLRP EASEMENT AREA ARE TO BE DETERMINED BY THE ENGINEER DURING CONSTRUCTION.



- R15-1 (48" X 9"), 6 SQ FT
- R15-2P (27" X 18"), 3.4 SQ FT
- R1-2 (48" X 48" X 48"), 16 SQ FT

FILE NAME = F:\02150577\020_CAD\001_Drawing\Sheets\01\160150577-1ht.plt; temp_improvement.dgn



USER NAME = marnj	DESIGNED - TJW	REVISED -
PLOT SCALE = 50.000' / 1"	DRAWN - JWM	REVISED -
PLOT DATE = 2/17/2011	CHECKED - TJW	REVISED -
	DATE - FEBRUARY 17, 2011	REVISED -

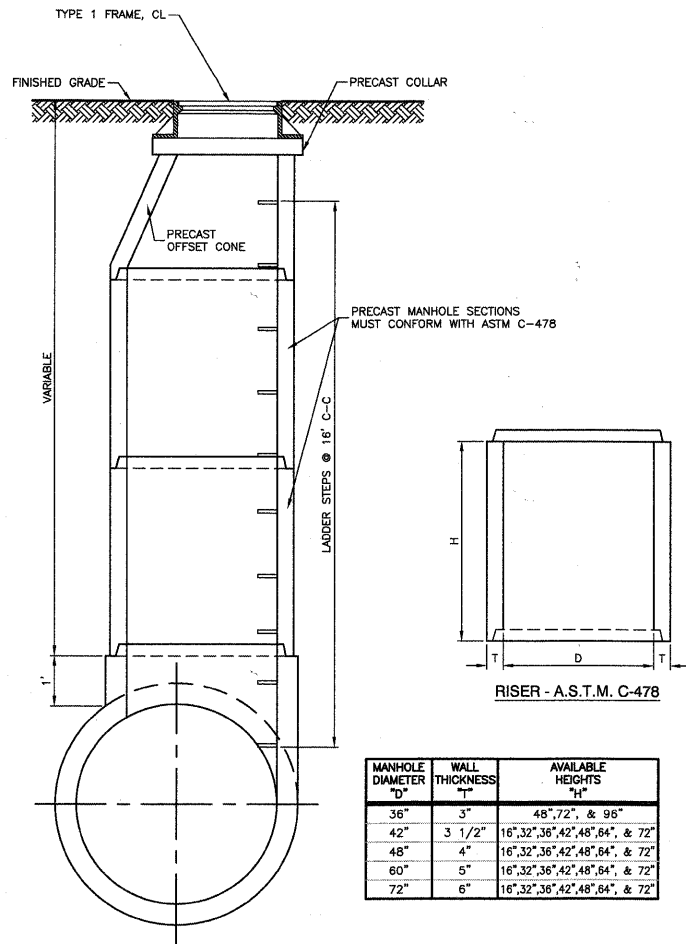
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TEMPORARY IMPROVEMENT PLAN

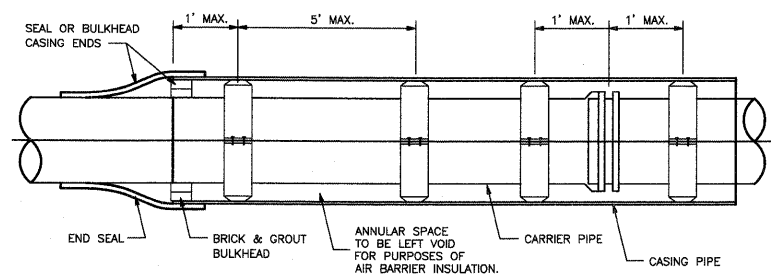
SCALE: 1"=50' SHEET NO. 1 OF X SHEETS STA 15+50.00 TO STA 25+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1537	06-00050-00-GS	COOK	209	68
CONTRACT NO. 63556			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT CRE-90031709	

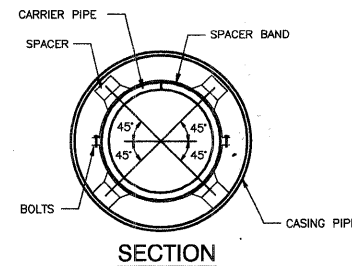
TEMPORARY IMPROVEMENT PLAN



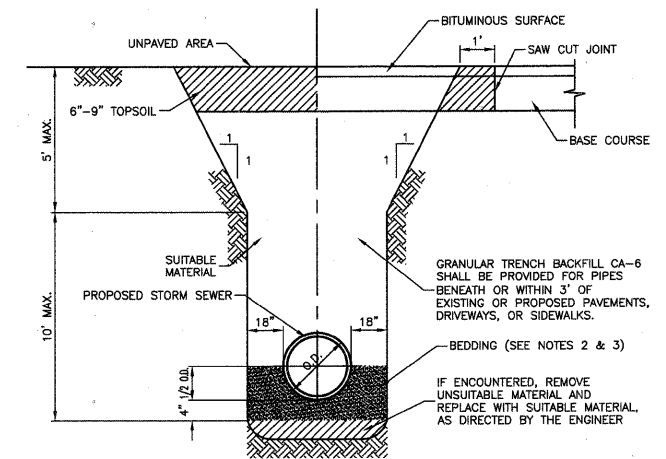
PRECAST TEE MANHOLE DETAIL



CASING SPACER INSTALLATION

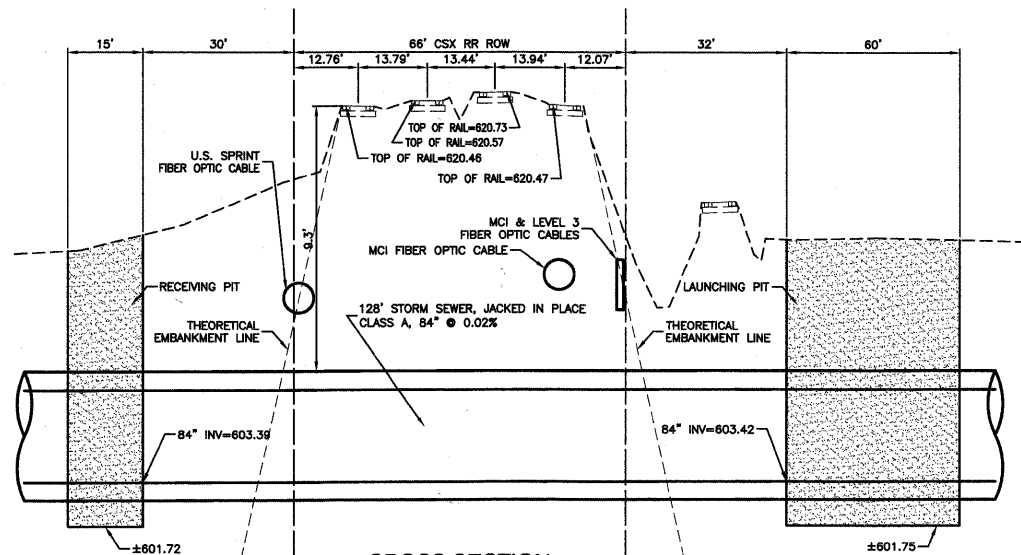


SECTION

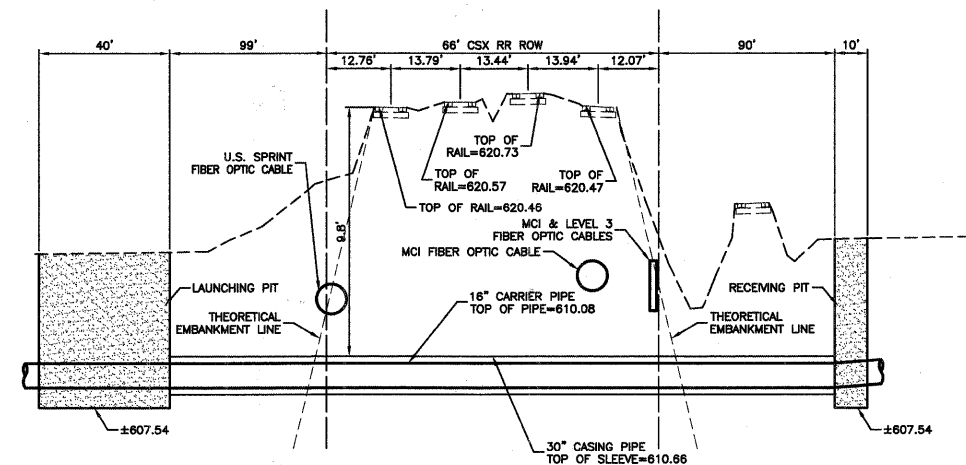


TRENCH BACKFILL DETAIL FOR STORM SEWER

- NOTES:
- TRENCH SHALL BE IN ACCORDANCE WITH OSHA SAFETY STANDARDS.
 - BEDDING SHALL BE REQUIRED TO BE A MINIMUM THICKNESS EQUAL TO 1/4 OF THE OUTSIDE DIAMETER OF THE PIPE BUT SHALL NOT BE LESS THAN 4". AS A MINIMUM, BEDDING AND HAUNCHING MATERIAL SHALL CONFORM TO THE REQUIREMENTS OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION." THE GRADATIONS SHALL EITHER BE FA-1 OR FA-2.
 - WHEN STORM SEWER CONSTRUCTION OCCURS IN COMBINED SEWER AREAS, BEDDING AND HAUNCHING MATERIAL SHALL CONFORM TO THE REQUIREMENTS OF THE "METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO." THE GRADATIONS SHALL EITHER BE CA-11 OR CA-13.



CROSS SECTION
STORM SEWER CROSSING



CROSS SECTION
WATER MAIN CROSSING

FILE NAME = 09353-DT15-01 - IDOT P01

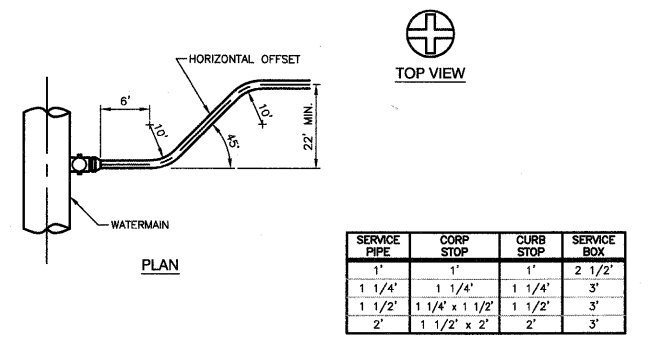
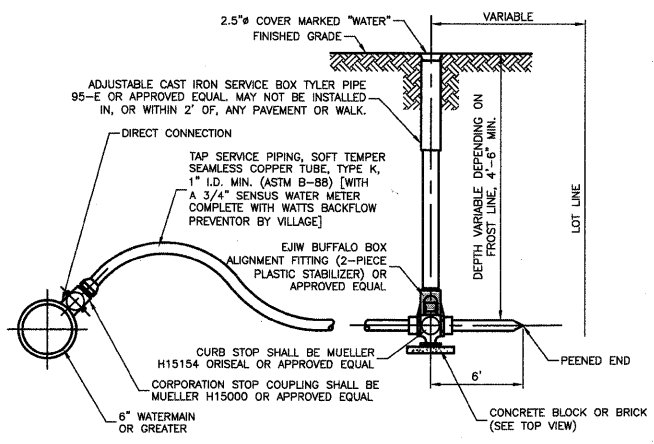
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PLOT SCALE =	CHECKED -- PKB	REVISED --
PLOT DATE = 12/23/10	DRAWN -- PS	REVISED --
	CHECKED -- AG	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

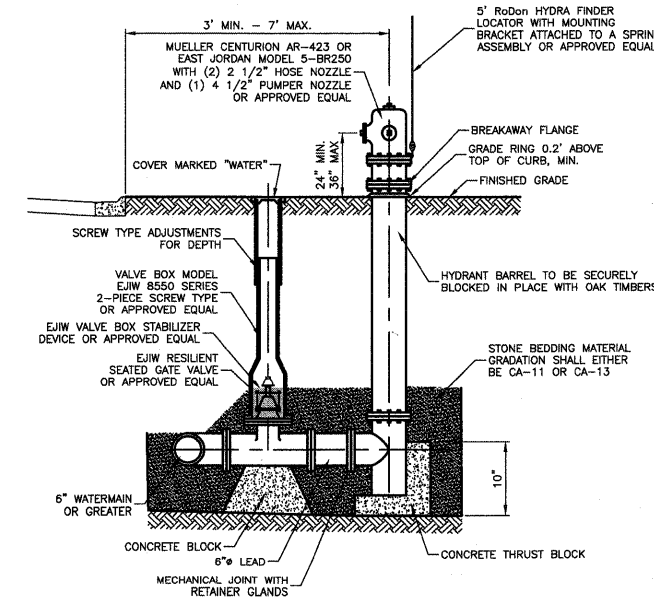
71ST STREET
CONSTRUCTION DETAILS

SCALE: SHEET NO. 69 OF 209 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1537	06-00050-00-GS	COOK	209	69
CONTRACT NO. 63556				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT CRE-9003(709)				

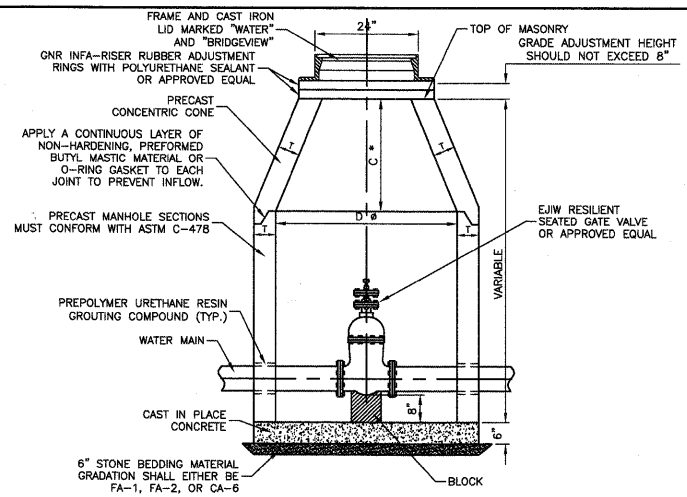


TYPICAL WATER SERVICE INSTALLATION

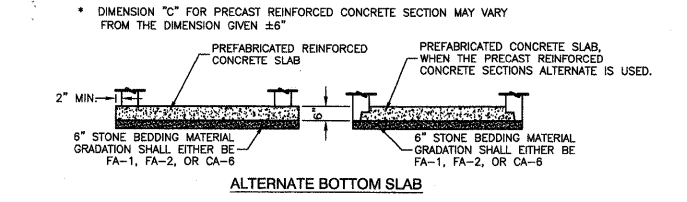


- NOTES:
- HYDRANTS SHALL BE INSTALLED FACING TOWARD THE CURB. NO HYDRANT SHALL BE INSTALLED WITHIN 48" OF ANY OBSTRUCTION NOR SHALL ANY OBSTRUCTION BE PLACED WITHIN 48" OF A HYDRANT. ALL HYDRANTS SHALL BE PAINTED SAFETY RED BY THE MANUFACTURER.
 - ALL VALVES SHALL OPEN COUNTER CLOCKWISE AND CLOSE CLOCKWISE WITH NON-RISING STEM.
 - HYDRANT DRAIN HOLE SHALL BE FREE OF CONCRETE.

FIRE HYDRANT INSTALLATION

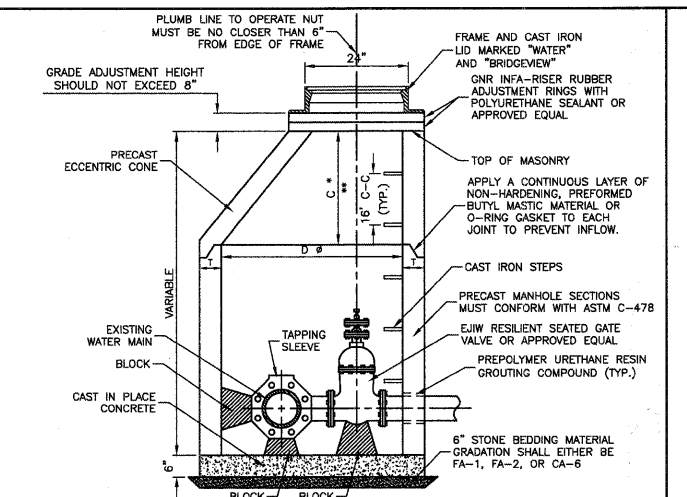


ALTERNATE MATERIALS FOR WALLS	D	C	T
PRECAST REINFORCED CONCRETE SECTION	4'-0"	2'-6"	4'
CAST-IN-PLACE CONCRETE	4'-0"	2'-6"	6"
	5'-0"	3'-9"	6"

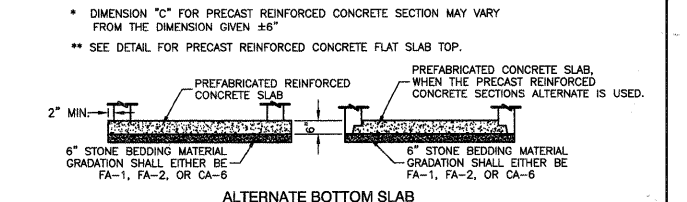


- NOTES:
- CONCENTRIC CONE REQUIRED (VALVE TO ALIGN W/ CENTER OF FRAME OPENING).
 - USE 4'-0" FOR WATER MAIN SIZES 8" AND UNDER. 5'-0" FOR SIZES 10" AND ABOVE.
 - VALVE VAULT TO CONFORM TO ASTM C-478.
 - ALL VALVES SHALL BE EAST JORDAN IRON WORKS RESILIENT SEATED GATE VALVES OR APPROVED EQUAL.
 - ALL VALVES SHALL OPEN COUNTER CLOCKWISE AND CLOSE CLOCKWISE WITH NON-RISING STEM.
 - PROVIDE CA-6 AGGREGATE BACKFILL MATERIAL AROUND VAULT TO SUB-GRADE ELEVATION; IN PAVED AREAS.

VALVE IN VAULT DETAIL

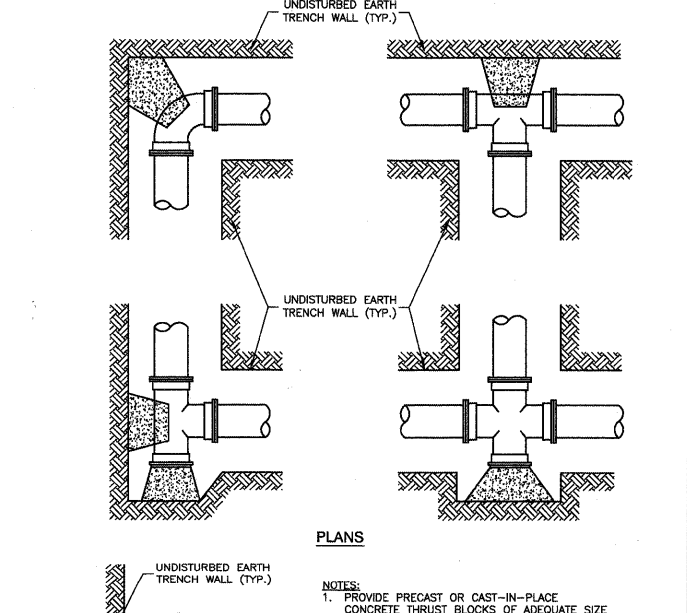


ALTERNATE MATERIALS FOR WALLS	D	C	T
PRECAST REINFORCED CONCRETE SECTION	5'-0"	3'-9"	5"
CAST-IN-PLACE CONCRETE	5'-0"	3'-9"	6"
	6'-0"	3'-9"	6"



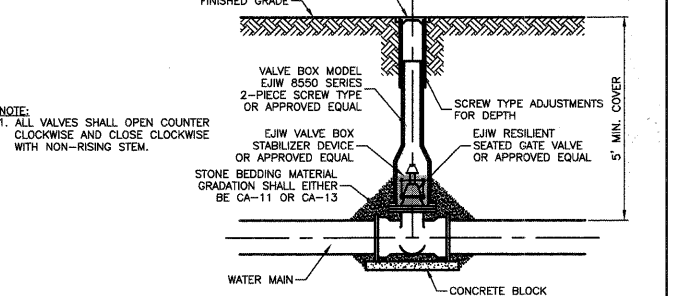
- NOTES:
- VALVE TO ALIGN W/ CENTER OF FRAME OPENING.
 - USE 5'-0" FOR WATER MAIN SIZES 8" AND UNDER. 6'-0" FOR SIZES 10" AND ABOVE.
 - VALVE VAULT TO CONFORM TO ASTM C-478.
 - ALL VALVES SHALL BE EAST JORDAN IRON WORKS RESILIENT SEATED GATE VALVES OR APPROVED EQUAL.
 - ALL VALVES SHALL OPEN COUNTER CLOCKWISE AND CLOSE CLOCKWISE WITH NON-RISING STEM.
 - PROVIDE CA-6 AGGREGATE BACKFILL MATERIAL AROUND VAULT TO SUB-GRADE ELEVATION; IN PAVED AREAS.

VALVE IN VAULT DETAIL FOR PRESSURE CONNECTION

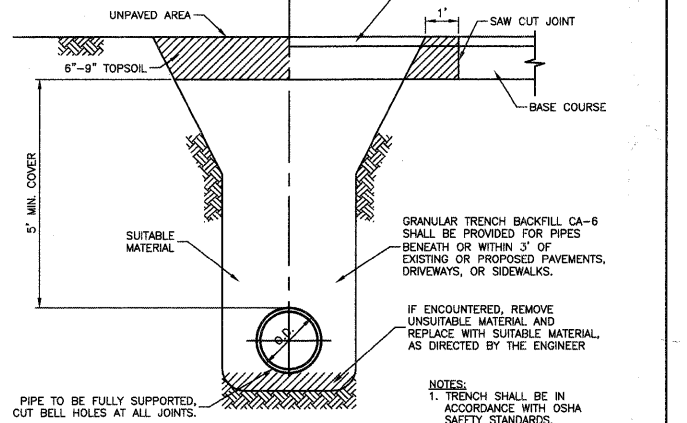


- NOTES:
- PROVIDE PRECAST OR CAST-IN-PLACE CONCRETE THRUST BLOCKS OF ADEQUATE SIZE AND THRUST BEARING SURFACE TO PREVENT MOVEMENT OF PIPELINE UNDER PRESSURE.
 - PLACE THE BASE AND THE THRUST BEARING SIDES OF THRUST BLOCK DIRECTLY AGAINST UNDISTURBED EARTH.
 - PLACE THRUST BLOCKING SO THE FITTING JOINTS WILL BE ACCESSIBLE FOR REPAIR.
 - THRUST BLOCKING SHALL NOT ELIMINATE THE REQUIREMENT FOR MEGALUGS OR EQUAL.

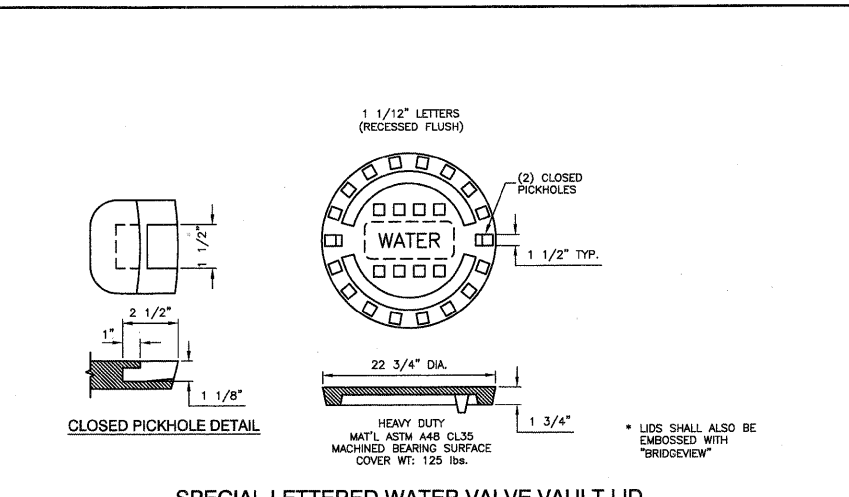
TYPICAL THRUST BLOCK INSTALLATIONS



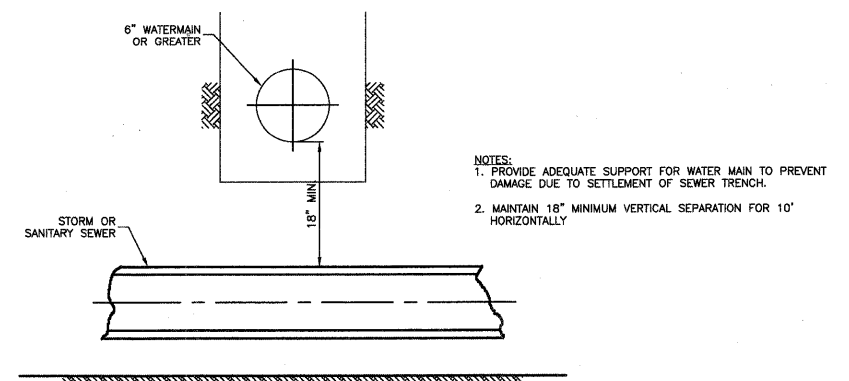
TYPICAL VALVE IN BOX INSTALLATION



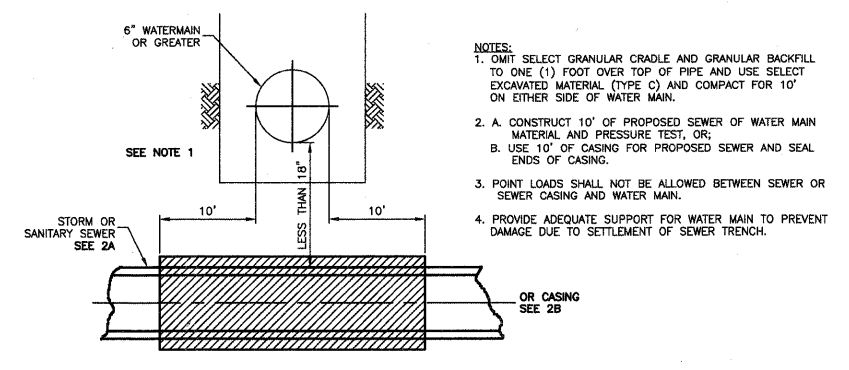
TRENCH BACKFILL DETAIL FOR WATERMAIN



SPECIAL LETTERED WATER VALVE VAULT LID



PROPOSED SEWER LINE BELOW EXISTING WATER MAIN WITH 18" MINIMUM SEPARATION

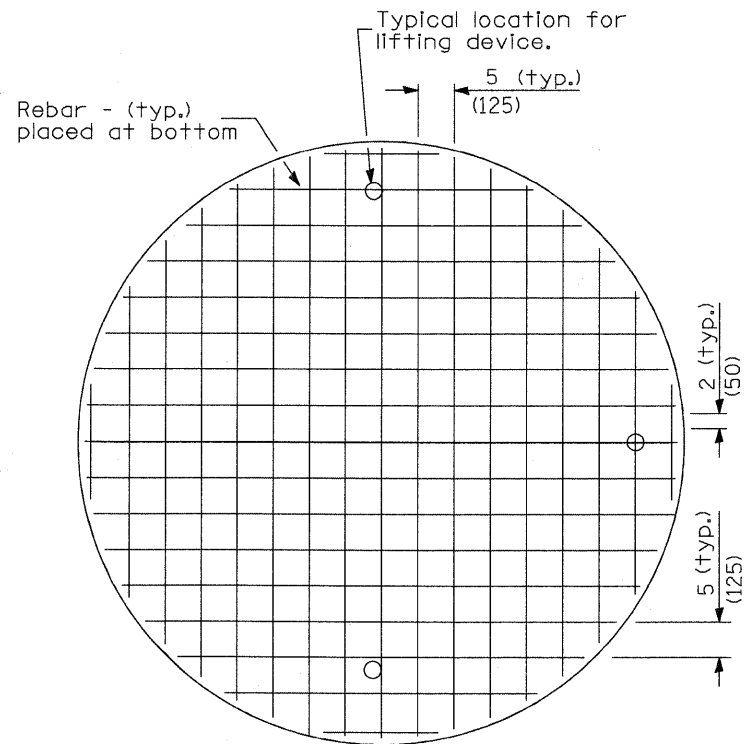


PROPOSED SEWER LINE BELOW EXISTING WATER MAIN WITH LESS THAN 18" MINIMUM SEPARATION

NOTE: TYPE C MATERIAL TO BE COMPACTED TO 90% OF MODIFIED PROCTOR MAXIMUM DENSITY

WATER AND SEWER SEPARATION REQUIREMENTS

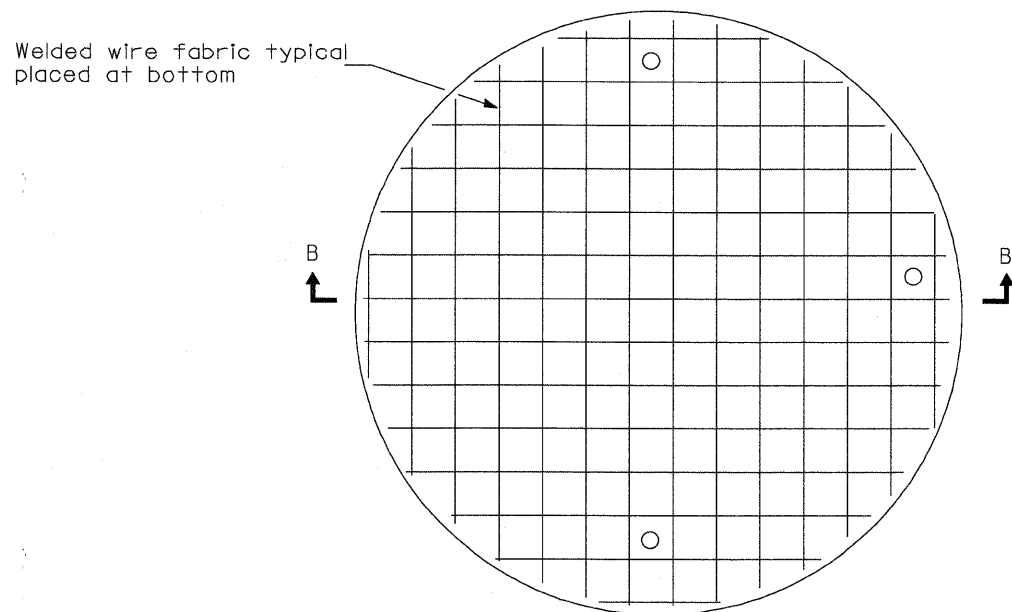
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	PLOT SCALE =	CHECKED = PKB	REVISED =		CONSTRUCTION DETAILS	1537	06-0050-00-GS	COOK	209	70
	PLOT DATE = 12/23/10	DRAWN = PS	REVISED =		SCALE: SHEET NO. 70 OF 209 SHEETS STA. TO STA.					CONTRACT NO. 63556
		CHECKED = AG	REVISED =			FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	CRE-9003(709)	



PLAN

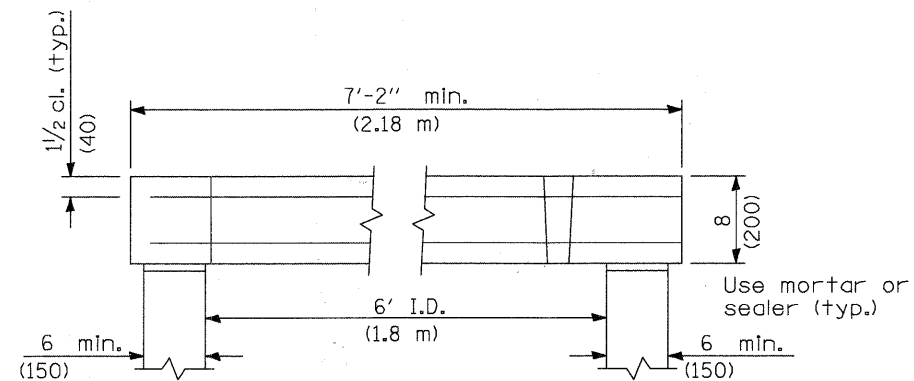
Showing Rebar Reinforcement

Thickness	Reinforcement "As" WWF Each direction	Bar Size
8 (200)	1.06 sq. in./ft. (2244 sq. mm/m)	No. 6 (No. 19)



PLAN

Showing Welded Wire Fabric Reinforcement



SECTION B-B

6' DIA. FLAT SLAB TOP

FILE NAME = 09053-DTL5-01 - IDOT P04

USER NAME =	DESIGNED -- PKB	REVISED --
	CHECKED -- PKB	REVISED --
PLOT SCALE =	DRAWN -- PS	REVISED --
PLOT DATE = 12/23/10	CHECKED -- AG	REVISED --

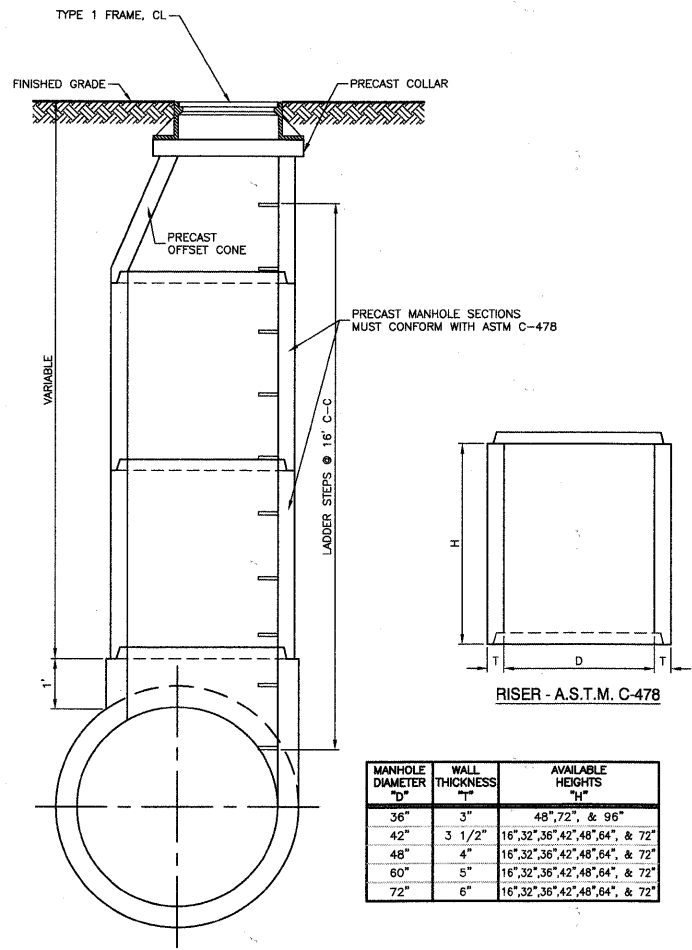
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

71ST STREET

CONSTRUCTION DETAILS

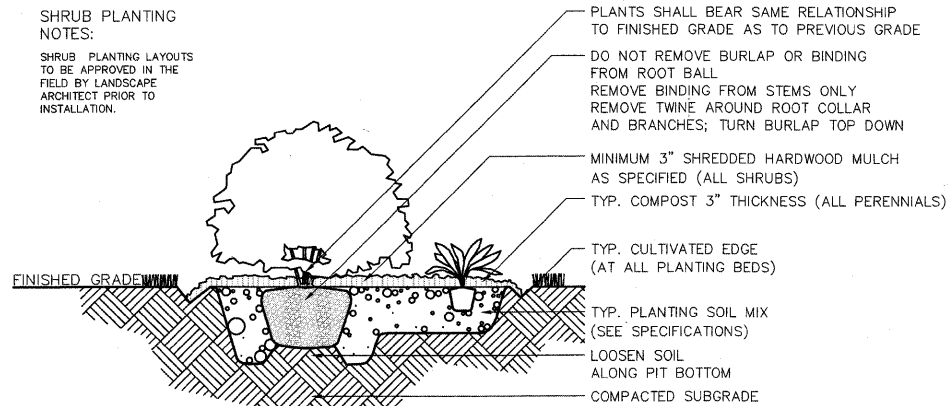
SCALE: SHEET NO. 71 OF 209 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1537	06-00050-00-GS	COOK	209	71
CONTRACT NO. 63556				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT CRE-9003(709)				

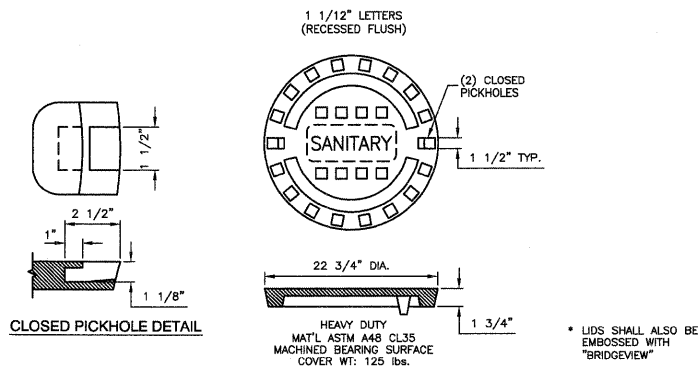


MANHOLE DIAMETER "D"	WALL THICKNESS "T"	AVAILABLE HEIGHTS "H"
36"	3"	48", 72", & 96"
42"	3 1/2"	16", 32", 36", 42", 48", 54", & 72"
48"	4"	16", 32", 36", 42", 48", 54", & 72"
60"	5"	16", 32", 36", 42", 48", 54", & 72"
72"	6"	16", 32", 36", 42", 48", 54", & 72"

PRECAST TEE MANHOLE DETAIL

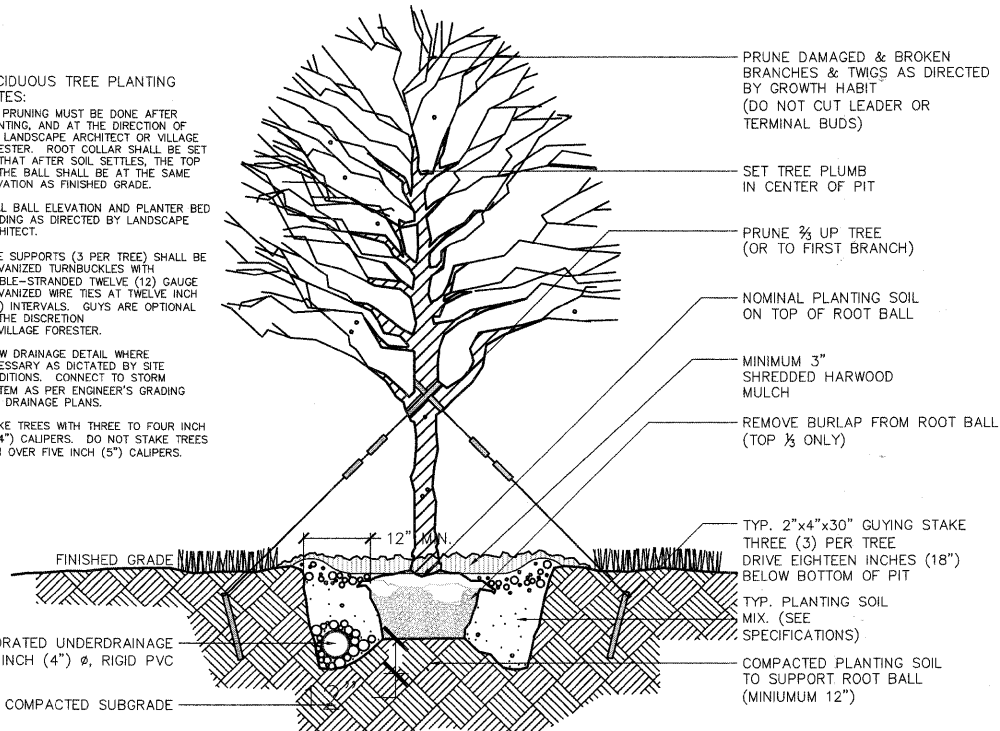


Typical Shrub Planting Detail
Scale: NTS



SPECIAL LETTERED SANITARY LID

DECIDUOUS TREE PLANTING NOTES:
ALL PRUNING MUST BE DONE AFTER PLANTING, AND AT THE DIRECTION OF THE LANDSCAPE ARCHITECT OR VILLAGE FORESTER. ROOT COLLAR SHALL BE SET SO THAT AFTER SOIL SETTLES, THE TOP OF THE BALL SHALL BE AT THE SAME ELEVATION AS FINISHED GRADE.
FINAL BALL ELEVATION AND PLANTER BED GRADING AS DIRECTED BY LANDSCAPE ARCHITECT.
TREE SUPPORTS (3 PER TREE) SHALL BE GALVANIZED TURNBUCKLES WITH DOUBLE-STRANDED TWELVE (12) GAUGE GALVANIZED WIRE TIES AT TWELVE INCH (12") INTERVALS. GUYS ARE OPTIONAL AT THE DISCRETION OF VILLAGE FORESTER.
SHOW DRAINAGE DETAIL WHERE NECESSARY AS DICTATED BY SITE CONDITIONS. CONNECT TO STORM SYSTEM AS PER ENGINEER'S GRADING AND DRAINAGE PLANS.
STAKE TREES WITH THREE TO FOUR INCH (3-4") CALIPERS. DO NOT STAKE TREES WITH OVER FIVE INCH (5") CALIPERS.



Typical Deciduous Tree Planting Detail
Scale: NTS

EROSION CONTROL NOTES

ANY REQUIRED DEWATERING REQUIRED FOR THIS PROJECT WILL BE DISCHARGED INTO THE EXISTING 84" STORM SEWER
ANY AREA WHERE THERE IS NO PROPOSED GRADING OR WORK, THE EXISTING GROUND COVER SHALL REMAIN.
IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSURE THAT SEDIMENT TRANSPORT OFF THE SITE IS REDUCED BY A COMBINATION OF MINIMIZATION OF EROSION AT THE SOURCE AND INSTALLATION OF SPECIFIC MEASURES TO CONTROL OR REDUCE THE TRANSPORT OF SEDIMENT. A COPY OF THE EROSION CONTROL PLAN BEING IMPLEMENTED BY THE CONTRACTOR WILL BE ON THE CONSTRUCTION SITE AT ALL TIMES.
DISTURBED AREAS ARE TO BE PROTECTED FROM EROSION IN A TIMELY MANNER. UPON COMPLETION OF GRADING OR CONSTRUCTION, THE AREA WILL BE STABILIZED (USING PERMANENT MEASURES WHEN POSSIBLE) WITHIN 7 CALENDAR DAYS. TEMPORARY STABILIZATION THROUGH THE USE OF GROUND COVER OR OTHER APPROVED MEASURE WILL BE INSTALLED WHENEVER SITE DEVELOPMENT WORK, GRADING OR OTHER EARTH DISTURBING ACTIVITIES CEASE TO BE CONTINUOUS FOR A PERIOD EXCEEDING 14 DAYS.
THE CONTRACTOR SHALL DESIGNATE ONE OF HIS EMPLOYEES AS RESPONSIBLE FOR IMPLEMENTATION OF THE EROSION AND SEDIMENT CONTROL PLAN ON ALL DISTURBED AREAS. THIS PERSON IS TO BE KNOWLEDGEABLE ABOUT INSTALLATION AND MAINTENANCE OF THE REQUIRED MEASURES. THIS PERSON IS TO HAVE THE AUTHORITY TO CARRY OUT THE PLAN GIVEN BY THE ENGINEER ON A REGULAR BASIS (AT LEAST ONCE EVERY 7 DAYS) AND AFTER RAINFALL EVENTS GREATER THAN 1/4".

WHEN DRAINAGE STRUCTURES ARE INSTALLED AND BEFORE THE FRAME AND LIDS OR GRATES ARE PLACED ON THE STRUCTURES, IT SHALL BE COVERED WITH A PLATE OR SOME OTHER APPROVED METHOD. THIS WILL BE INCLUDED IN THE COST OF THE DRAINAGE STRUCTURE BEING INSTALLED. INLET FILTERS WILL BE INSTALLED IMMEDIATELY AFTER THE FRAME AND LID OR GRATE IS INSTALLED.

UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURE EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CONSTRUCTED ACCORDING TO THE MINIMUM STANDARDS AND SPECIFICATIONS IN THE ILLINOIS URBAN MANUAL REVISED FEBRUARY 2002.

SILT FENCE IS TO BE INSTALLED PRIOR TO SITE CLEARING AND GRADING.
ANY STOCKPILES REMAINING IN PLACE MORE THAN 3 DAYS WILL REQUIRE TEMPORARY STABILIZATION.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTROLLING THE DUST AND AIRBORNE DIRT GENERATED BY HIS/HER CONSTRUCTION ACTIVITIES. THIS WORK WILL BE DONE ACCORDING TO SECTION 107.36 OF THE STANDARD SPECIFICATIONS.

FILE NAME = 09553_02-DTL5-01 - IDOT P01

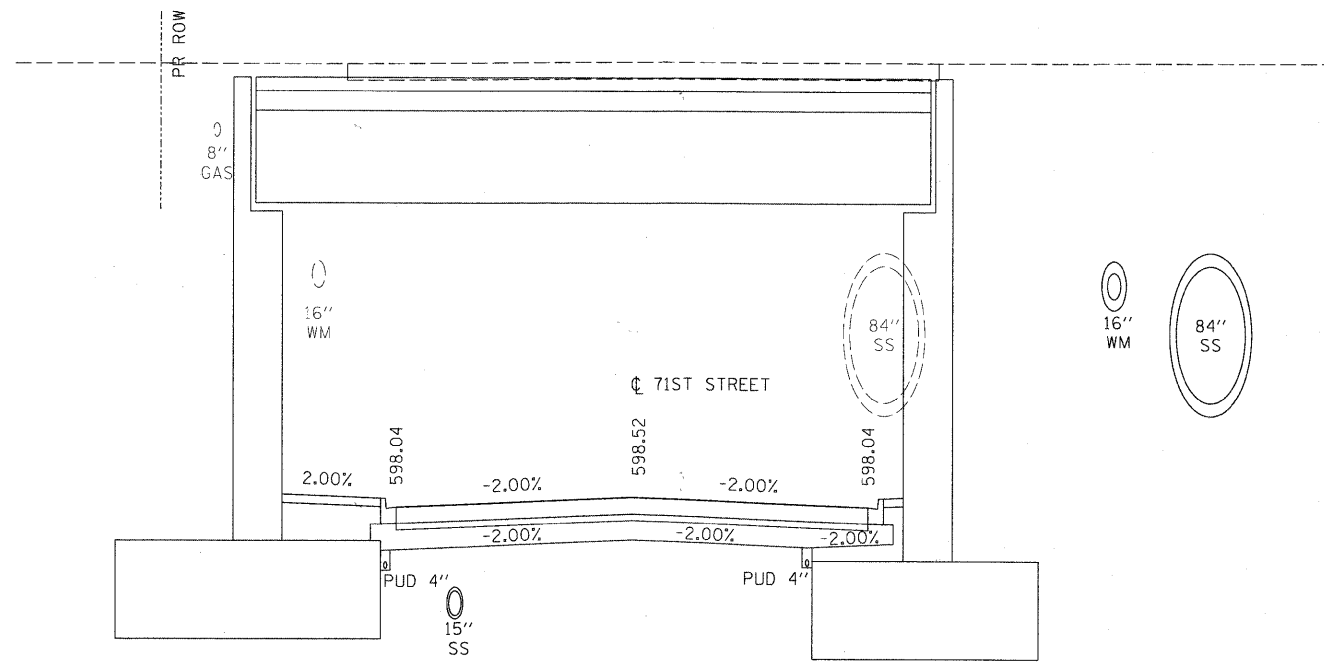
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	CHECKED -- PKB	REVISED --
PLOT SCALE =	DRAWN -- PS/LTL	REVISED --
PLOT DATE = 12/23/10	CHECKED -- AG	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

71ST STREET
CONSTRUCTION DETAILS

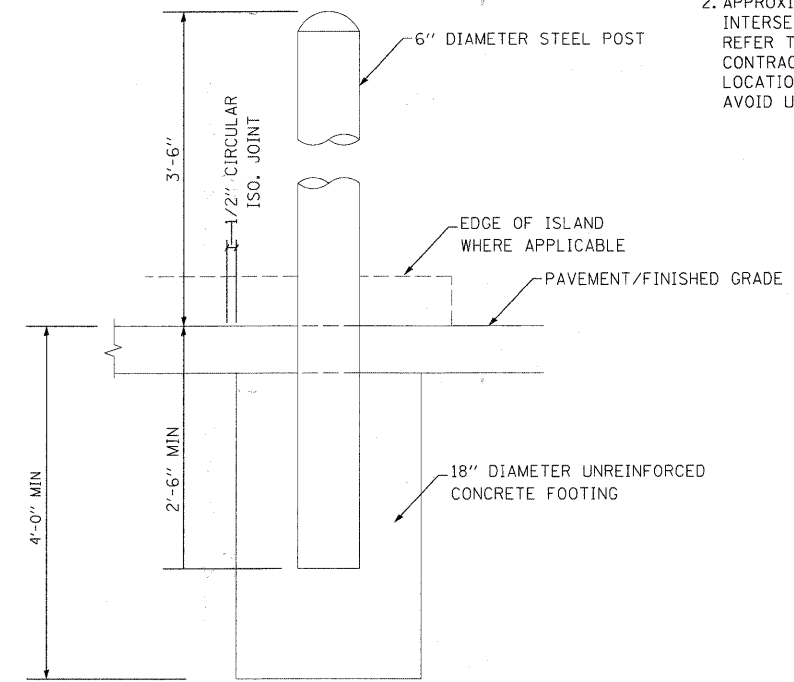
SCALE: SHEET NO. 72 OF 209 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1537	06-00050-00-GS	COOK	209	72
CONTRACT NO. 63556				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT CRE-9003(709)				



- NOTES:**
1. SUB-BASE SHALL BE GRADED TOWARD PIPE UNDERDRAINS IN ALL LOCATIONS WHERE UNDERDRAINS ARE SHOWN AT A LOCATION OTHER THAN THE EDGE OF SUB-BASE IN THE PROPOSED DRAINAGE PLANS AND CROSS SECTIONS.
 2. PIPE UNDERDRAINS SHALL BE INSTALLED AT THE BRIDGE PIERS WITH THE GEOMETRY SHOWN IN THIS DETAIL.

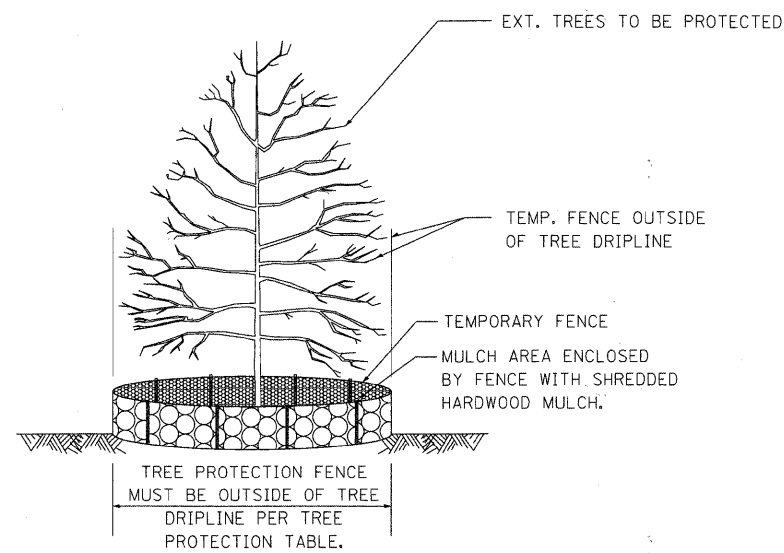
DRAINAGE DETAIL



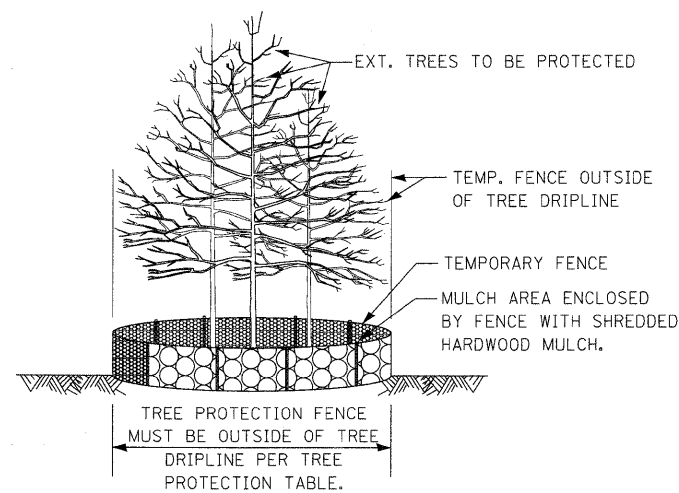
TYP. POST-BOLLARD DETAIL

N.T.S.

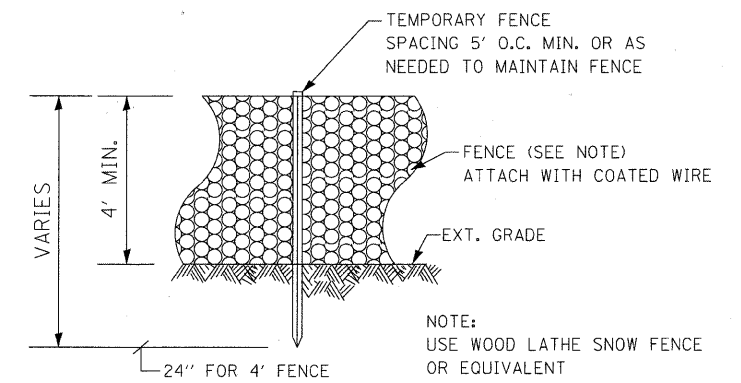
- NOTES:**
1. BOLLARDS TO BE PAINTED BROWN TO MATCH EXISTING BOLLARD LIGHTS. SUBMIT A COLOR SAMPLE TO THE ENGINEER FOR APPROVAL PRIOR TO INSTALLATION.
 2. APPROXIMATE BOLLARD LOCATIONS SHOWN ON INTERSECTION DETAIL PLANS. REFER TO SHEET NO. 68. CONTRACTOR TO ADJUST BOLLARD LOCATIONS IN FIELD AS NECESSARY TO AVOID UTILITY CONFLICTS.



TYPICAL TREE PROTECTION
(NOT TO SCALE)



TYPICAL GROUP TREE PROTECTION
(NOT TO SCALE)



TREE PROTECTION FENCE
(NOT TO SCALE)

LANDSCAPING DETAILS



USER NAME = marnj	DESIGNED - KLK	REVISED -
PLOT SCALE = 1:200' / 1" =	DRAWN - KLK	REVISED -
PLOT DATE = 2/17/2011	CHECKED - EYY	REVISED -
	DATE - FEBRUARY 17, 2011	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DRAINAGE AND LANDSCAPING DETAILS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1537	06-00050-00-GS	COOK	209	73
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63556	
CRE-9003(709)				

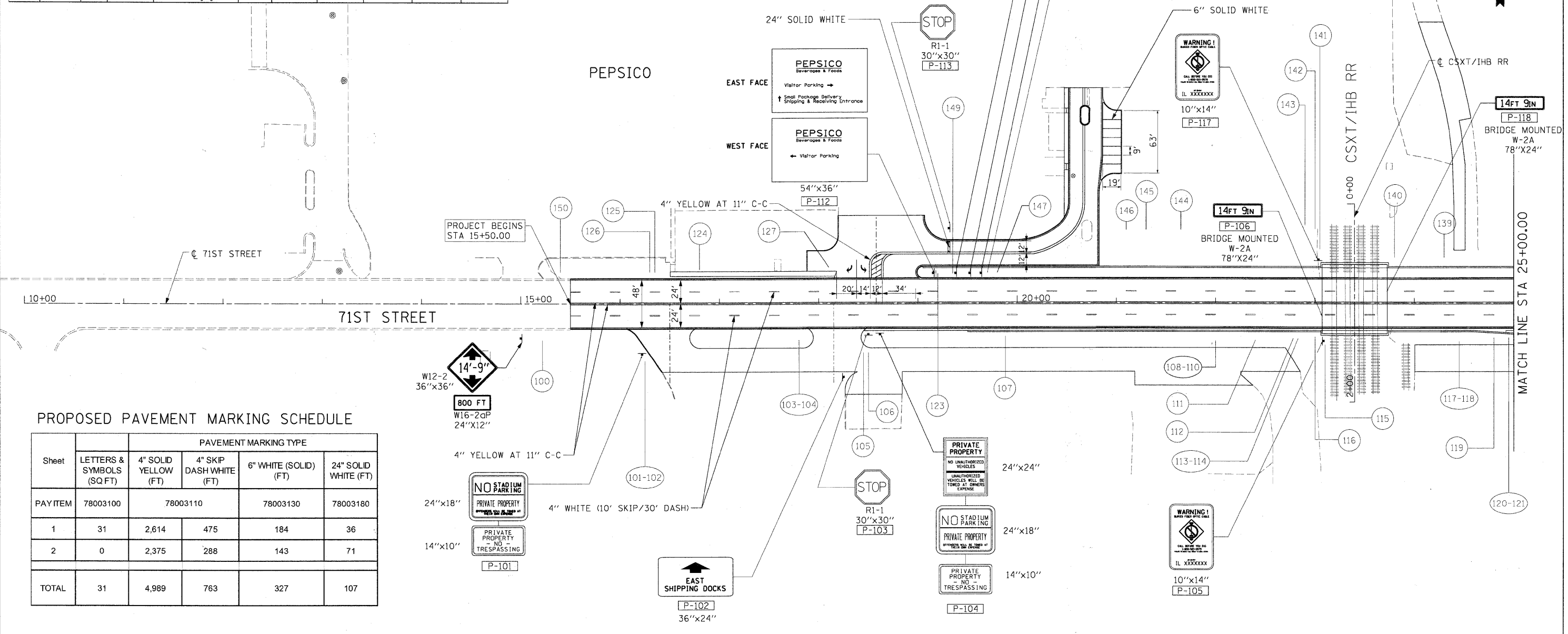
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EXISTING SIGN SCHEDULE

LABEL	STATION	OFFSET	EXISTING MOUNTING	SIGN DESCRIPTION	REMAIN IN PLACE	REMOVE SIGN PANEL TYPE 1 (SQ FT)	REMOVE SIGN PANEL TYPE 2 (SQ FT)	RELOCATE SIGN PANEL TYPE 1 (SQ FT)	RELOCATE SIGN PANEL TYPE 2 (SQ FT)	REMOVE, STOCKPILE, AND REINSTALL (EA)
100	15+22	RT	POST	No Parking Sign	X					
101	16+25	RT	POST	No Parking Sign				3		
102	16+25	RT	POST	Private Property Sign		1				
103	17+80	RT	POST	No Parking Sign				3		
104	17+80	RT	POST	Private Property Sign				2		
105	18+45	RT	POST	East Shipping Docks Sign				6		
106	18+50	RT	POST	Stop Sign Facing Parking Lot		6				
107	19+88	RT	POST	No Parking Sign		1				
108	22+00	RT	POST	No Parking Sign		3				
109	22+00	RT	POST	Private Property Sign		1				
110	22+00	RT	POST	No Unauthorized Vehicles		4				
111	22+40	RT	GATE	Gate Mounted Stop Sign		6				
112	22+78	RT	BOLLARD/POST	East Shipping Docks Sign						
113	22+83	RT	POST	No Parking Sign		3				
114	22+83	RT	POST	Private Property Sign		1				
115	23+10	RT	POST	Burned F/O Cable Sign						1
116	23+00	RT	SIGNAL	RR Crossing Sign	X					
117	24+45	RT	FENCE	Do Not Enter		1				
118	24+45	RT	FENCE	Exit Only		1				
119	24+80	RT	FENCE	No Trespassing Sign						
120	24+95	RT	FENCE	Do Not Enter						
121	24+95	RT	FENCE	Exit Only						
122	25+35	RT	POST	No Parking Sign		3				
123	19+20	LT	POST	No Parking Sign - Permit						1
124	16+80	LT	FENCE	Do Not Enter Sign	X					
125	16+35	LT	FENCE	Do Not Enter Sign	X					
126	16+30	RT	POST	No Parking Sign	X					

LABEL	STATION	OFFSET	EXISTING MOUNTING	SIGN DESCRIPTION	REMAIN IN PLACE	REMOVE SIGN PANEL TYPE 1 (SQ FT)	REMOVE SIGN PANEL TYPE 2 (SQ FT)	RELOCATE SIGN PANEL TYPE 1 (SQ FT)	RELOCATE SIGN PANEL TYPE 2 (SQ FT)	REMOVE, STOCKPILE, AND REINSTALL (EA)	
127	27+55	RT	POST	No Parking Sign							
128	27+10	RT	POWER POLE	Stop Sign - Power Pole Mounted		6					
129	27+10	RT	POWER POLE	W 71st St Sign		2					
130	27+10	RT	POWER POLE	S Ferdinand Ave Sign		3					
131	27+55	RT	POST	No Parking Sign		2					
132	29+75	RT	POST	W 71st St Sign		2					
133	29+75	RT	POST	Beloit Sign		2					
134	29+80	RT	POST	Speed Limit Sign				5			
135	30+25	RT	POST	Stop Sign							
136	31+55	LT	WOOD POST	Loading Dock Sign	X						
137	27+85	LT	POST	No Parking Sign							
138	28+35	LT	POSTS	S.T.H Parking Sign	X			8			
139	24+30	LT	POSTS	Overize Stop Sign			16				
140	23+80	LT	SIGNAL	RR Crossing Sign	X						
141	23+05	LT	POST	Burned F/O Cable Sign						1	
142	23+00	LT	FENCE	No Trespassing Sign	X						
143	22+90	LT	FENCE	No Trespassing Sign	X						
144	21+85	LT	FENCE	No Trespassing Sign	X						
145	21+30	LT	FENCE	No Trespassing Sign	X						
146	21+10	LT	POSTS	Pepsico Parking Sign				14			
147	19+80	LT	POST	No Parking Sign				1			
148	19+70	LT	ONC FOUNDATIO	Large Pepsico Sign				6	BY OTHERS		
149	19+35	LT	POSTS	Pepsico Delivery Sign				6			
150	15+40	LT	POSTS	Pepsico Shipping Sign	X						
TOTAL						13	48	16	34	14	4

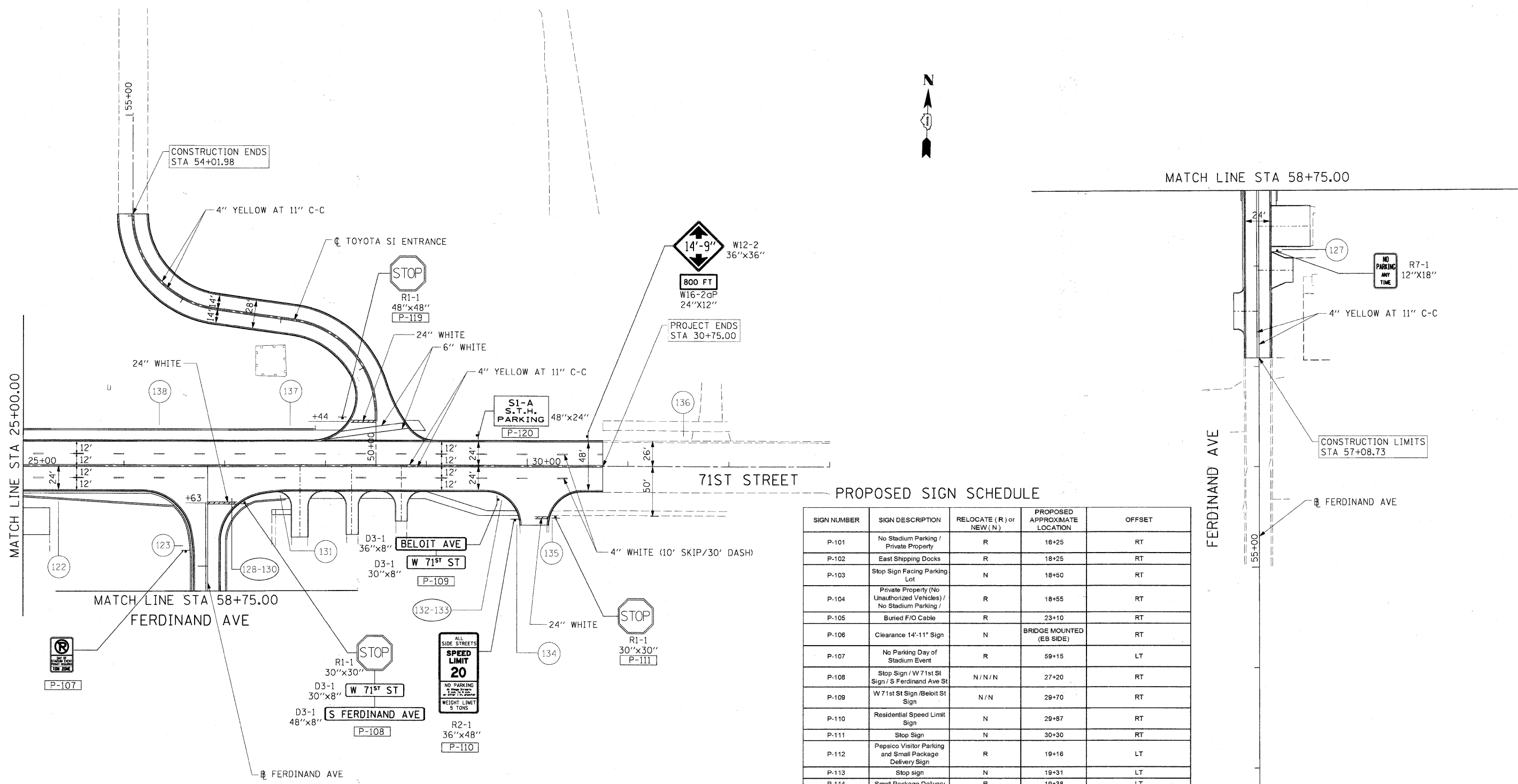
NOTE:
ALL FINAL PAVEMENT MARKINGS ON THE FINAL PCC SURFACE SHALL BE PERFORMED PLASTIC.



PROPOSED PAVEMENT MARKING SCHEDULE

Sheet	LETTERS & SYMBOLS (SQ FT)	PAVEMENT MARKING TYPE			
		4" SOLID YELLOW (FT)	4" SKIP DASH WHITE (FT)	6" WHITE (SOLID) (FT)	24" SOLID WHITE (FT)
PAY ITEM	78003100	78003110	78003130	78003180	
1	31	2,614	475	184	36
2	0	2,375	288	143	71
TOTAL	31	4,989	763	327	107

FILE NAME = P:\60155877_0002_CAD_001_Draining\Sheets\Civil\60155877-ant-pmk-01.dgn



PROPOSED SIGN SCHEDULE

SIGN NUMBER	SIGN DESCRIPTION	RELOCATE (R) or NEW (N)	PROPOSED APPROXIMATE LOCATION	OFFSET
P-101	No Stadium Parking / Private Property	R	16+25	RT
P-102	East Shipping Docks	R	18+25	RT
P-103	Stop Sign Facing Parking Lot	N	18+50	RT
P-104	Private Property (No Unauthorized Vehicles) / No Stadium Parking /	R	18+55	RT
P-105	Buried F/O Cable	R	23+10	RT
P-106	Clearance 14'-11" Sign	N	BRIDGE MOUNTED (EB SIDE)	RT
P-107	No Parking Day of Stadium Event	R	59+15	LT
P-108	Stop Sign / W 71st St Sign / S Ferdinand Ave St	N / N / N	27+20	RT
P-109	W 71st St Sign / Beloit St Sign	N / N	29+70	RT
P-110	Residential Speed Limit Sign	N	29+87	RT
P-111	Stop Sign	N	30+30	RT
P-112	Pepsico Visitor Parking and Small Package Delivery Sign	R	19+16	LT
P-113	Stop sign	N	19+31	LT
P-114	Small Package Delivery	R	19+38	LT
P-115	No right Turn / Supplemental Plaque	N / N	19+51	LT
P-116	Large Pepsico Sign	WORK BY OTHERS	19+65	LT
P-117	Buried F/O Cable	R	23+03	LT
P-118	Clearance 14'-1" Sign	N	BRIDGE MOUNTED (WB SIDE)	LT
P-119	Stop Sign for Toyota Park Drive	N	28+17	LT
P-120	S.T.H. Parking	R	29+50	LT
P-121	Advance Warning Clearance 14'-9" Sign / Supplemental Distance Plaque (800 FT)	N / N	15+00	RT
P-122	Advance Warning Clearance 14'-9" Sign / Supplemental Distance Plaque (800 FT)	N / N	30+50	LT

NOTE:
ALL FINAL PAVEMENT MARKINGS ON THE FINAL PCC SURFACE SHALL BE PREFORMED PLASTIC.



USER NAME = marny	DESIGNED - ST	REVISED -
PLOT SCALE = 50.000' / 1"	DRAWN - ST	REVISED -
PLOT DATE = 2/17/2011	CHECKED - TJW	REVISED -
	DATE - FEBRUARY 17, 2011	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNING AND PAVEMENT MARKING

SCALE: 1"=50' SHEET NO. 2 OF 2 SHEETS STA 25+00.00 TO STA 30+75.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1537	06-00050-00-GS	COOK	209	75
CONTRACT NO. 63556			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT CRE-9003(709)	

FILE NAME = P:\60155877\060_CAD\001_Drawing\Shoreline\Civil\60155877-apt.pnk; pnt; 02.dgn

EROSION CONTROL SCHEDULE

Sheet	EROSION CONTROL BLANKET (SQ YD)	SODDING, SALT TOLERANT (SQ YD)	TEMPORARY EROSION CONTROL SEEDING (POUND)	PERIMETER EROSION BARRIER (FT)	INLET AND PIPE PROTECTION (EACH)	INLET FILTERS (EACH)
25100630	25200110	28000250	28000400	28000500	28000510	
1	6,293	6,293	450	3,100	1	36
2	4,599	4,599	300	2,150	0	28
UTILITIES	0	0	0	800	0	15
TOTAL	10,892	10,892	750	6,050	1	79

EROSION CONTROL LEGEND

INLET FILTER	
PIPE PROTECTION	
PERIMETER EROSION BARRIER	
TEMPORARY EROSION CONTROL SEEDING	
EROSION CONTROL BLANKET	

PEPSICO

SIGNODE

PROPOSED EROSION CONTROL PLAN

LANDSCAPING SCHEDULE

Sheet	TEMPORARY FENCE (FOOT)	TREE TRUNK PROTECTION (EACH)	SUPPLEMENTAL WATERING (UNIT)	TOP SOIL FURNISH AND PLACE, 4" (SQ YD)
20101000	20101100	20101700	21101615	
1	1250	23	64	6355
2	250	7	46	4599
UTILITIES	0	0	0	3180
TOTAL	1,500	30	110	14,134

NOTES:

1. REMOVE ZONE 1 SPRINKLER SYSTEM EAST OF SERVICE WALK.
2. REMOVE ZONE 2 SPRINKLER SYSTEM EAST OF SERVICE WALK.
3. REMOVE & REPLACE ZONE 3 SPRINKLER SYSTEM & RELOCATE 2 VALVES.
4. REMOVE & REPLACE ZONE 4 SPRINKLER SYSTEM.
5. REMOVE ZONE 5 SPRINKLER SYSTEM.
6. REMOVE & REPLACE ZONE 8 SPRINKLER SYSTEM.

LEGEND:

FURNISHING AND PLACING TOPSOIL, 4" SODDING, SALT TOLERANT EROSION CONTROL BLANKET FERTILIZERS	
TREE PROTECTION	
PROPOSED TREE (WITH SPECIES DESIGNATION)	
PROPOSED SHRUB (WITH SPECIES DESIGNATION)	

PEPSICO

SIGNODE

PROPOSED LANDSCAPING PLAN

TREE AND SHRUB PLANTING SCHEDULE

CODE	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE
TREES				
MC	13	MALUS CORONARIA	CRAB APPLE	3"
SHRUBS				
CS	50	CORNUS SERVICEA	REDOESIER DOGWOOD	3'



USER NAME = whalant	DESIGNED - ST	REVISED -
PLOT SCALE = 50.000' / 1"	DRAWN - ST	REVISED -
PLOT DATE = 3/16/2011	CHECKED - TJW	REVISED -
	DATE - March 17, 2011	REVISED -

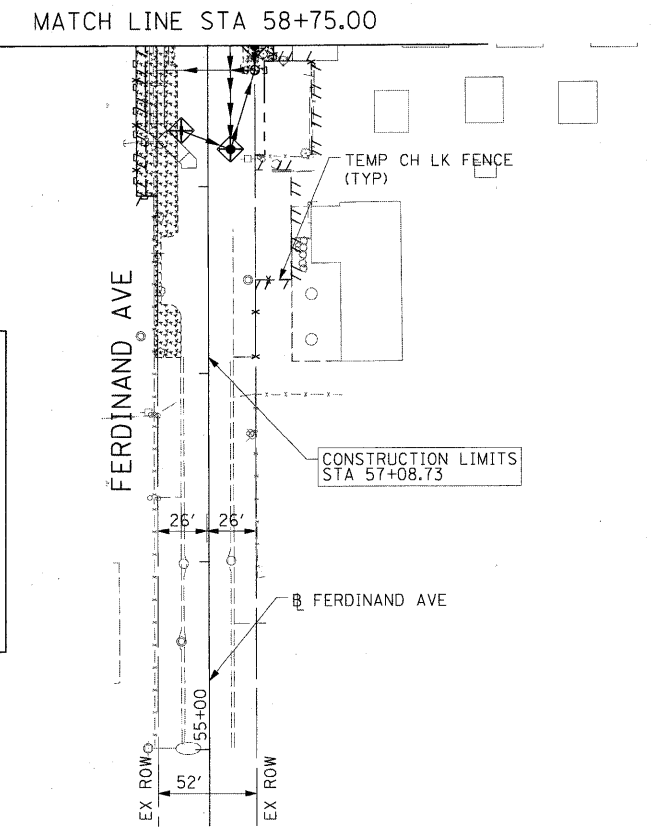
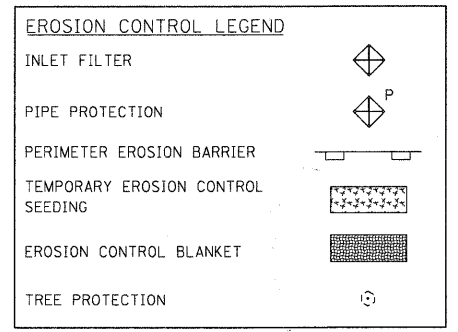
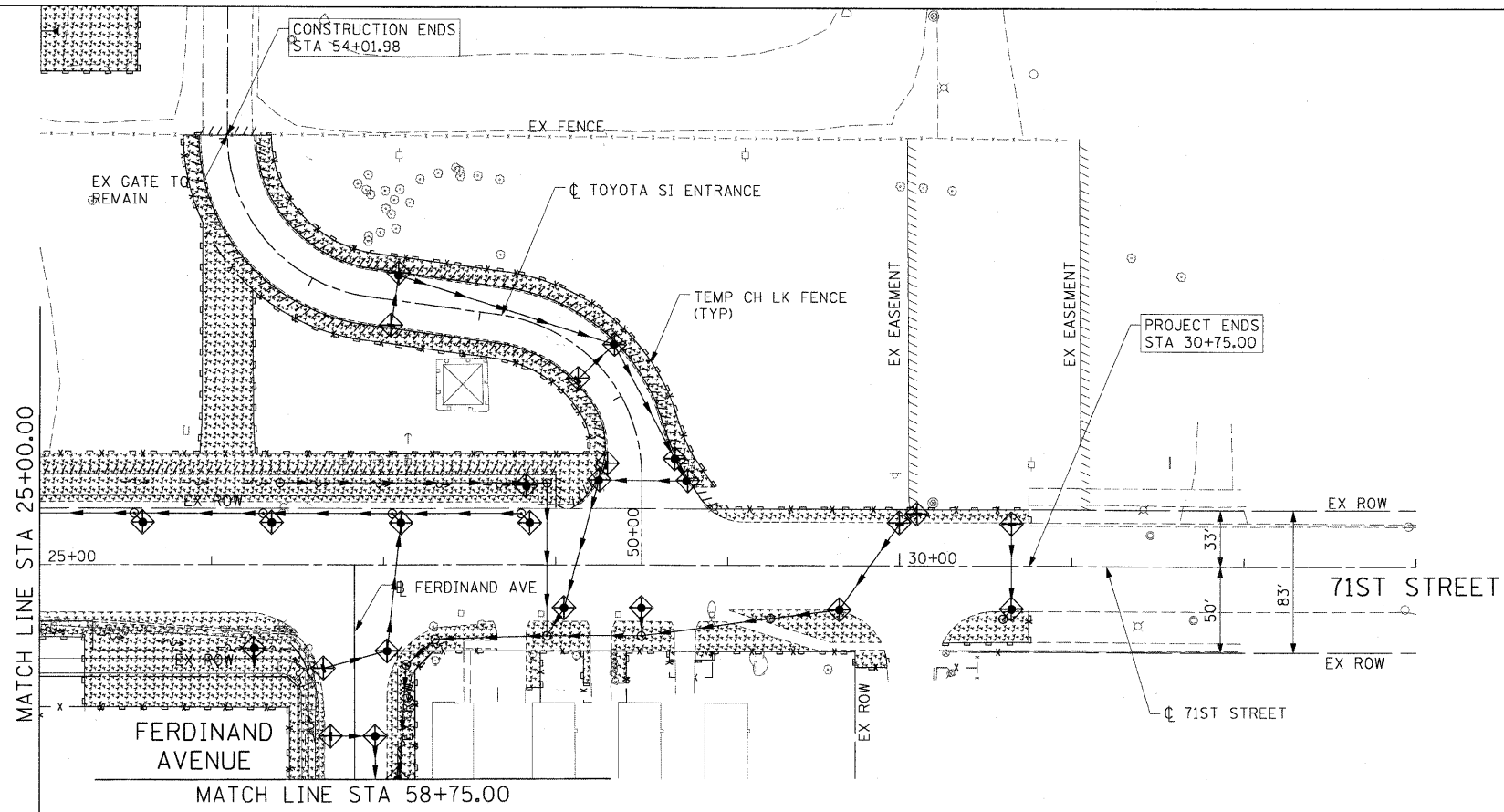
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED EROSION CONTROL AND
LANDSCAPING PLANS**

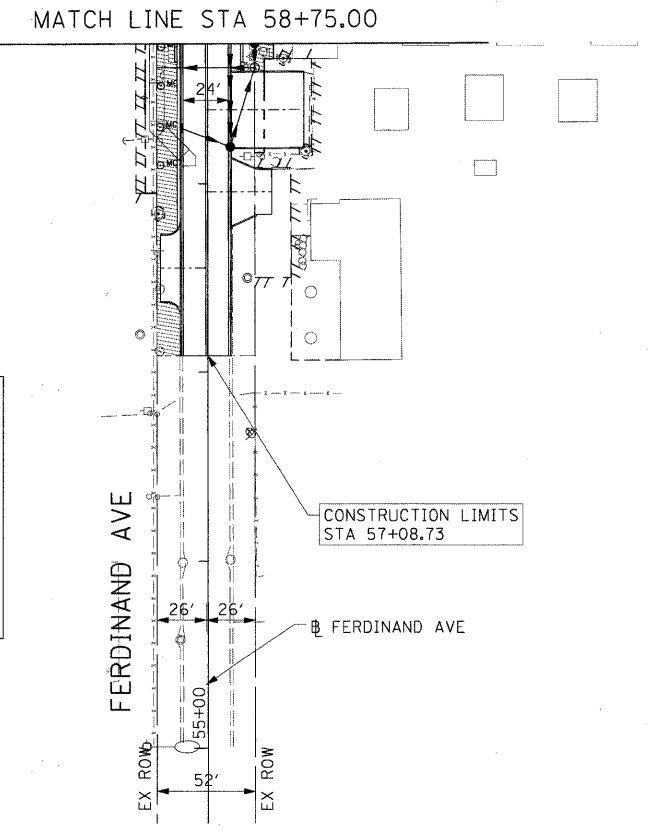
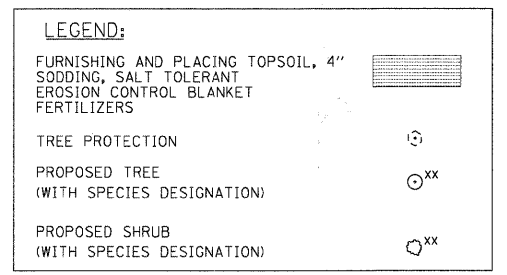
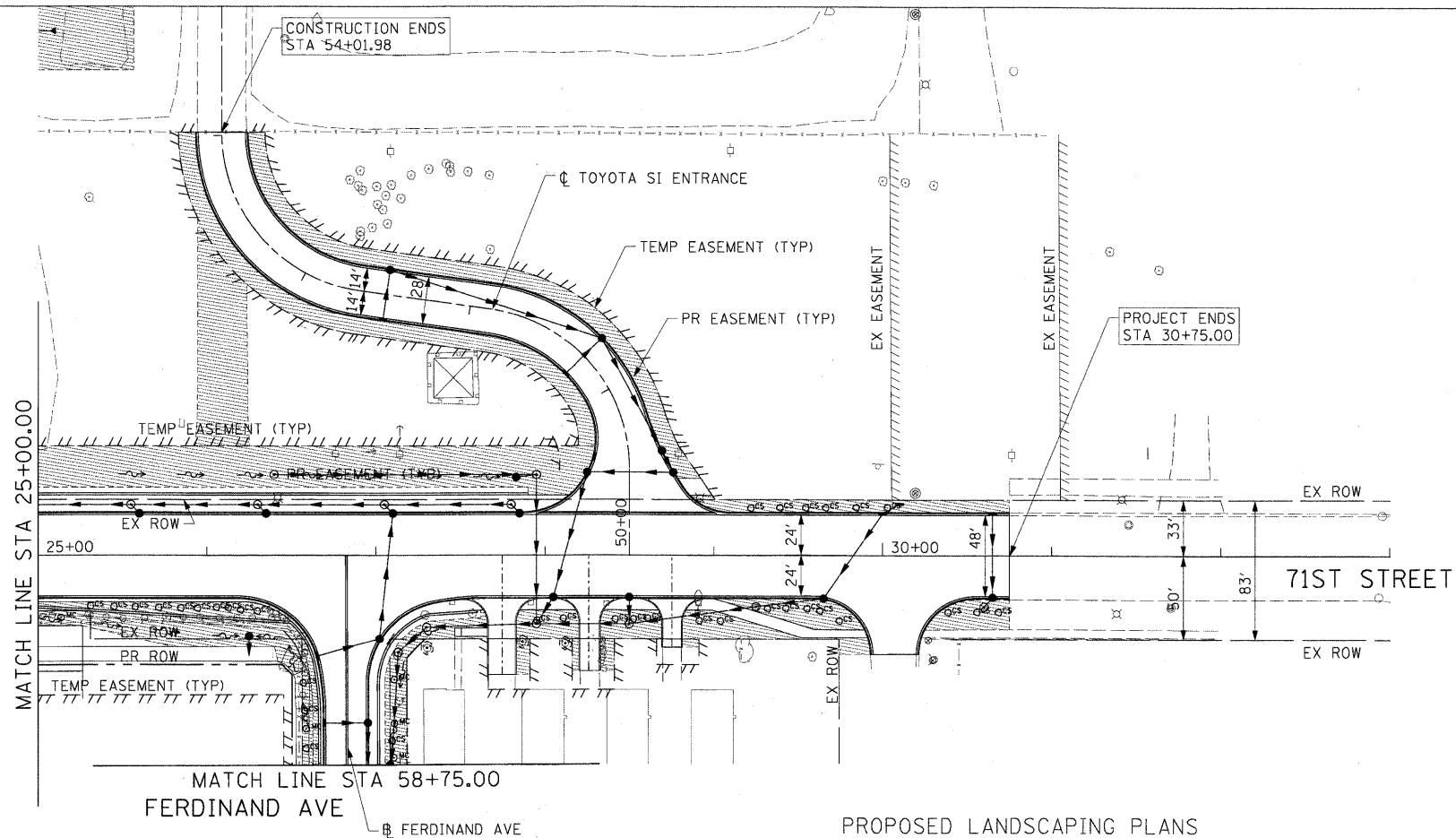
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1537	06-00050-00-GS	COOK	209	76
				CONTRACT NO. 63556
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT CRE-90031(09)				

FILE NAME = P:\A60156877\0200_CAD\0201_Drawing_Sheets\Civil\62155877_sit-eros_indsep.dgn



PROPOSED EROSION CONTROL PLANS



PROPOSED LANDSCAPING PLANS



USER NAME = manoj	DESIGNED - ST	REVISED -
PLOT SCALE = 50.000' / 1" =	DRAWN - ST	REVISED -
PLOT DATE = 2/17/2011	CHECKED - TJW	REVISED -
	DATE - FEBRUARY 17, 2011	REVISED -

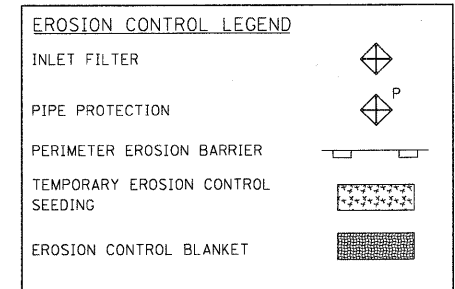
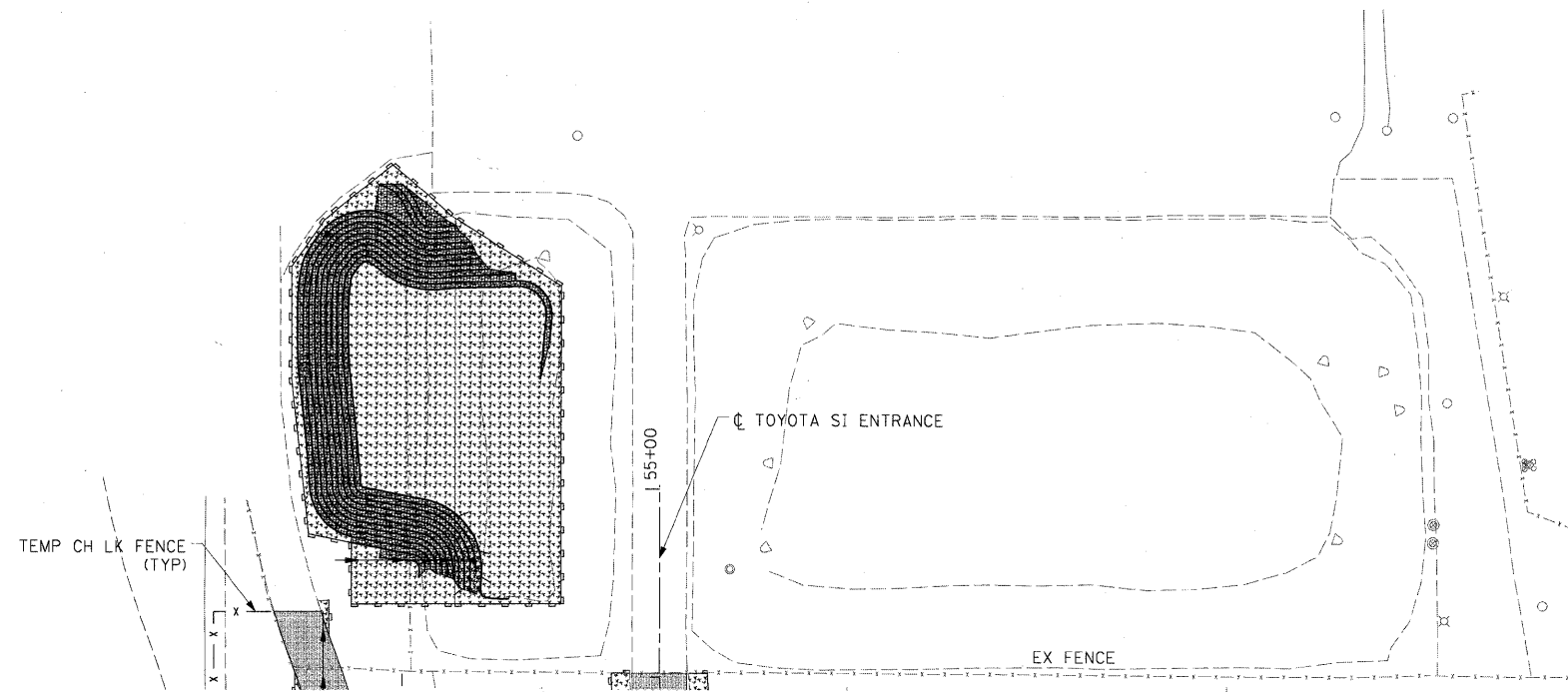
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED EROSION CONTROL AND
LANDSCAPING PLANS

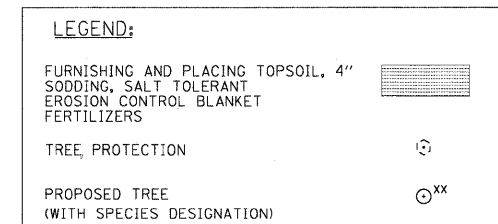
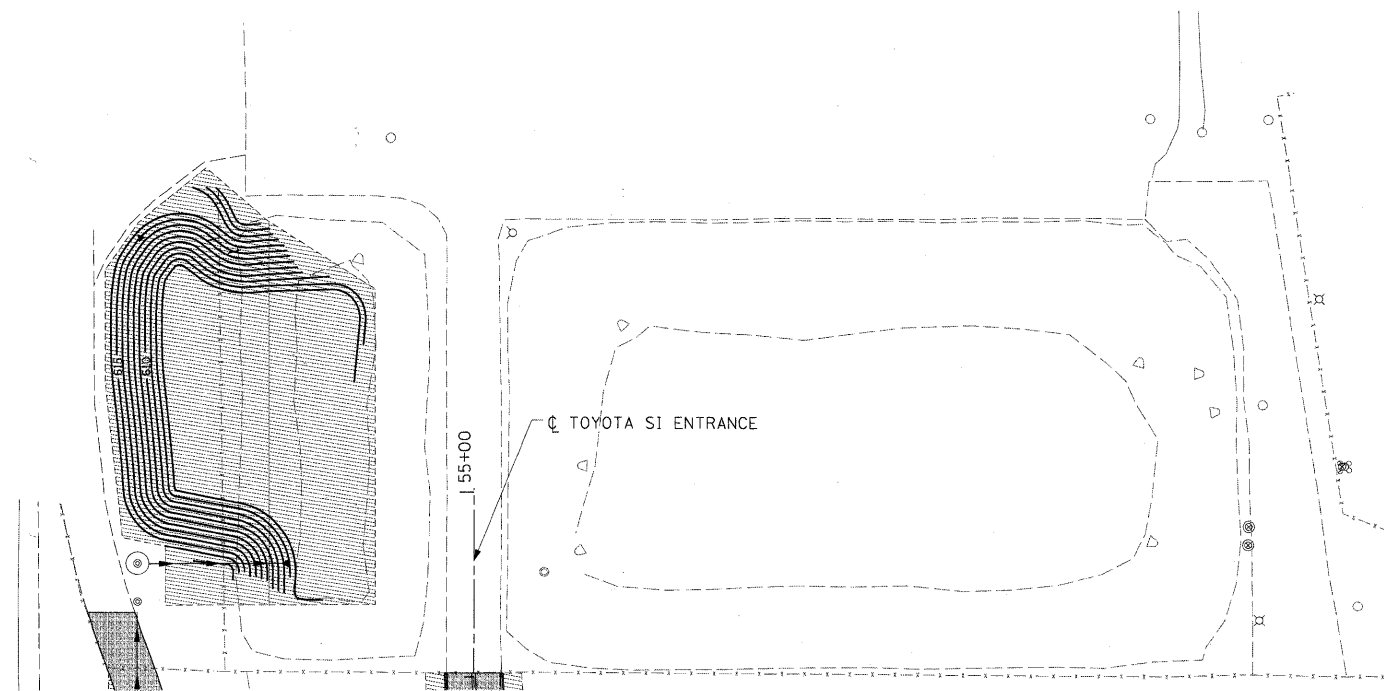
SCALE: 1"=50' SHEET NO. 2 OF 3 SHEETS STA 25+00.00 TO STA 30+75.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1537	06-00050-00-GS	COOK	209	77
CONTRACT NO. 63556				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT CRE-9003(709)				

FILE NAME = P:\60158877\000_CAD\001_Drawing\Sheets\Civil\60158877-ent-eros_indisp-42.dgn



PROPOSED EROSION CONTROL PLANS



PROPOSED LANDSCAPING PLANS



USER NAME = manny	DESIGNED - ST	REVISED -
PLOT SCALE = 50.000' / 1"	DRAWN - ST	REVISED -
PLOT DATE = 2/17/2011	CHECKED - TJW	REVISED -
	DATE - FEBRUARY 17, 2011	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED EROSION CONTROL AND
LANDSCAPING PLANS**

SCALE: 1"=50' SHEET NO. 3 OF 3 SHEETS STA 53+93.23 TO STA 55+00.00

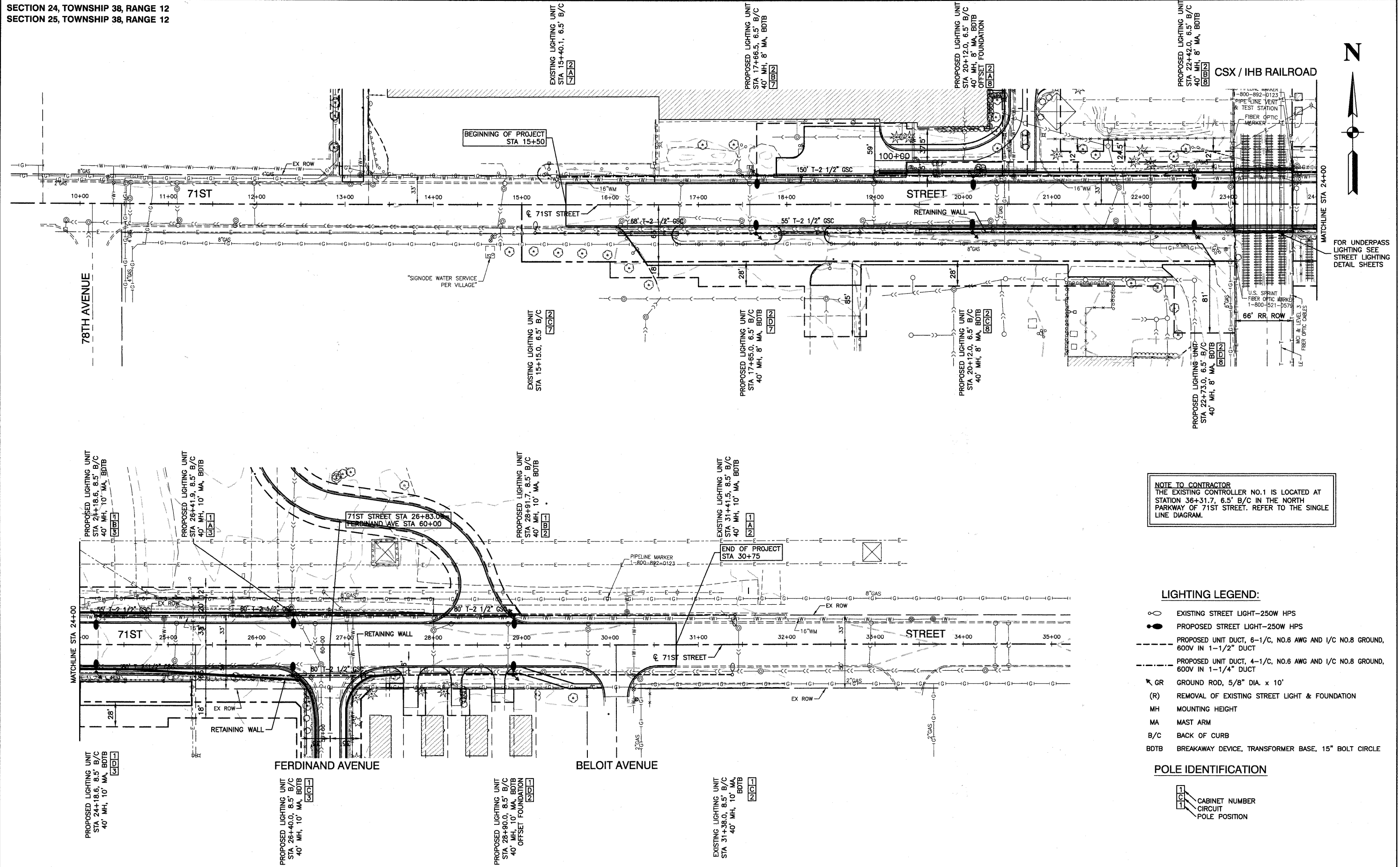
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1537	06-00050-00-GS	COOK	209	78
CONTRACT NO. 63556				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT CRE-90031709				

FILE NAME = F:\B15587\2006 CAD\001 Drawings\Sheets\Civil\06\155877-akt.eros Indscap.dwg

SECTION 24, TOWNSHIP 38, RANGE 12
SECTION 25, TOWNSHIP 38, RANGE 12

PLAN	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	REVIEWED	
	NO. OF WAY CHECKED	
	CADD FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	REVIEWED	
	NO. NOTED	

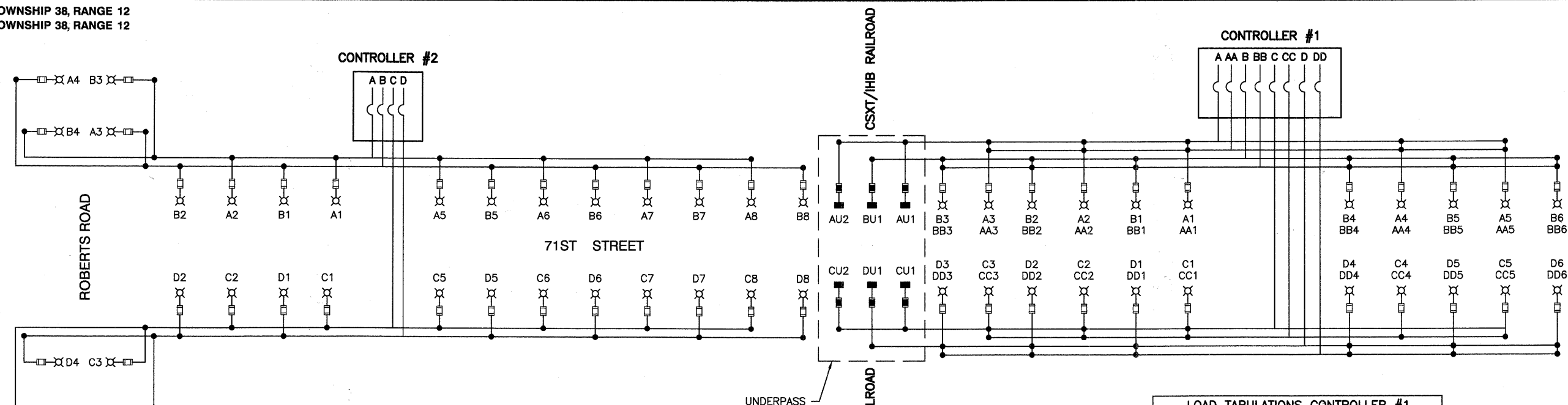


NOTE TO CONTRACTOR
THE EXISTING CONTROLLER NO.1 IS LOCATED AT STATION 36+31.7, 6.5' B/C IN THE NORTH PARKWAY OF 71ST STREET. REFER TO THE SINGLE LINE DIAGRAM.

- LIGHTING LEGEND:**
- EXISTING STREET LIGHT—250W HPS
 - PROPOSED STREET LIGHT—250W HPS
 - PROPOSED UNIT DUCT, 6-1/C, NO.6 AWG AND 1/C NO.8 GROUND, 600V IN 1-1/2" DUCT
 - PROPOSED UNIT DUCT, 4-1/C, NO.6 AWG AND 1/C NO.8 GROUND, 600V IN 1-1/4" DUCT
 - GR GROUND ROD, 5/8" DIA. x 10'
 - (R) REMOVAL OF EXISTING STREET LIGHT & FOUNDATION
 - MH MOUNTING HEIGHT
 - MA MAST ARM
 - B/C BACK OF CURB
 - BDTB BREAKAWAY DEVICE, TRANSFORMER BASE, 15" BOLT CIRCLE
- POLE IDENTIFICATION**
- 1 CABINET NUMBER
 - 1 CIRCUIT
 - 1 POLE POSITION

FILE NAME = 06353-LGHT-01 - P02	USER NAME =	DESIGNED — PAP	REVISED —	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	71ST STREET PROPOSED STREET LIGHTING		F.A.U. RTE. 1537	SECTION 06-00050-00-GS	COUNTY COOK	TOTAL SHEETS 209	SHEET NO. 80	
	PLOT SCALE =	CHECKED — DWS	REVISED —		SCALE: 1"=50'	SHEET NO. 80 OF 209 SHEETS	STA. 15+50 TO STA. 30+75	CONTRACT NO. 63556				
	PLOT DATE = 12/23/10	DRAWN — PS	REVISED —		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT CRE-9003(709)							
		CHECKED — AG	REVISED —									

SECTION 24, TOWNSHIP 38, RANGE 12
SECTION 25, TOWNSHIP 38, RANGE 12



CIRCUIT	WATTS	AMPS
A	2000	10.4
B	2060	10.6
C	2000	10.4
D	2060	10.6
TOTAL LOAD	8120	42.0

CIRCUIT	WATTS	AMPS
A	1250	6.5
B	1560	8.0
C	1250	6.5
D	1560	8.0
TOTAL LOAD	5620	29.0

FESTOON CIRCUIT	WATTS	AMPS
AA	900	7.5
BB	1080	9.0
CC	900	7.5
DD	1080	9.0
TOTAL LOAD	3960	33.0

LIGHTING GENERAL NOTES :

- ALL WORK TO CONFORM TO THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE AND ANY APPLICABLE LOCAL CODES.
- CONTRACTOR TO VERIFY LOCATION OF ALL UNDERGROUND UTILITIES BEFORE TRENCHING OR AUGERING.
- BEFORE INSTALLING STANDARDS NEAR OVERHEAD FACILITIES CALL ComEd FOR APPROVAL OF LOCATION.
- FOR LOCATION OF EXISTING UNDERGROUND ELECTRICAL CABLE CALL ComEd.
- ALL CONDUIT TO BE 2.5" DIAMETER UNLESS OTHERWISE SPECIFIED.
- ANY TREE TRIMMING REQUIRED AS DIRECTED BY THE ENGINEER SHALL BE PERFORMED BY THE CONTRACTOR, AND THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF THE LIGHT POLE ITEMS.
- CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES TO RESTORE ANY SPECIALIZED LANDSCAPING, (i.e. DECORATIVE ROCKS, SHRUBS, PLANTS, ETC.) OR SHALL REPLACE IT, THE COST OF WHICH SHALL BE CONSIDERED INCIDENTAL TO THE LIGHT POLE ITEMS.
- THE EXACT LOCATIONS OF ALL UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR BEFORE THE INSTALLATION OF ANY COMPONENTS OF THE LIGHTING SYSTEM. FOR THE LOCATIONS OF THE UTILITIES, CALL JULIE TOLL FREE AT 1-800-692-0123. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE EXISTING TRAFFIC SIGNAL CABLES AND CONDUITS.
- CARE IS TO BE TAKEN AS NOT TO DAMAGE ANY OF THE EXISTING TRAFFIC SIGNAL CONDUITS, DETECTORS AND EQUIPMENT. IF ANY OF THE TRAFFIC SIGNAL CONDUIT AND/OR EQUIPMENT IS DAMAGED, THE CONTRACTOR SHALL REPAIR AND/OR REPLACE THE CONDUIT AND/OR EQUIPMENT AT NO COST TO THE COUNTY, STATE, OR THE VILLAGE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ESTABLISHMENT OF FINISHED GRADE. THE RESIDENT ENGINEER MAY ASSIST THE CONTRACTOR, AS APPLICABLE, BUT THE RESPONSIBILITY FOR COORDINATING THE FINISHED GRADE ELEVATION WITH THE TOP OF THE FOUNDATION HEIGHTS AND THE LIGHT SHALL REMAIN WITH THE CONTRACTOR.
- THE CONTRACTOR SHALL MAKE SPECIAL NOTE OF THE REQUIREMENTS FOR WIRE MARKERS AND SHALL TAG ALL WIRE MARKERS AND SHALL TAG ALL WIRE ACCORDINGLY.
- EQUIPMENT GROUND CONDUCTORS SHALL BE SPLICED AND BONDED AT EACH LIGHT POLE OR OTHER PIECE OF EQUIPMENT.
- ALL DISTURBED AREAS WHERE RESTORATION IS NOT COVERED BY APPLICABLE SECTIONS OF THE SPECIAL PROVISIONS MUST BE RESTORED TO THE SATISFACTION OF THE ENGINEER. THE COST OF WHICH SHALL BE INCLUDED IN THE COST OF THE LIGHT POLE ITEMS.
- ANY SIGNS ON EXISTING LIGHT POLES SHALL BE REMOVED AND REINSTALLED ON THE NEW POLES. THE CONTRACTOR AND RESIDENT ENGINEER SHALL TAKE AN INVENTORY OF THE LOCATIONS OF THE POLE MOUNTED SIGNS, AND SHALL RELOCATE THEM TO THE NEW POLES CLOSEST TO THE EXISTING POLES, PRIOR TO REMOVAL OF THE OLD POLES. THE COST OF THIS SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE LIGHT POLE ITEMS.

LEGEND

- ⊗ LUMINAIRE, 250W HPS, STREET LIGHT
- FUSE, 3.5 AMP
- UNDERPASS LUMINAIRE, 100W HPS
- ▣ FUSE, 1.5 AMP
- A1 LUMINAIRE CIRCUIT
- ⌋ CIRCUIT BREAKER
- CONNECTION

PLAN	DATE
BY	
DATE	
BY	
DATE	
BY	
DATE	

PROFILE	DATE
BY	
DATE	
BY	
DATE	
BY	
DATE	

FILE NAME = 08353-LGHT-01 - P03

USER NAME =	DESIGNED -- PAP	REVISED --
	CHECKED -- DWS	REVISED --
PLOT SCALE =	DRAWN -- PS	REVISED --
PLOT DATE = 12/23/10	CHECKED -- AG	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

71ST STREET
PROPOSED
STREET LIGHTING SINGLE LINE WIRING DIAGRAM

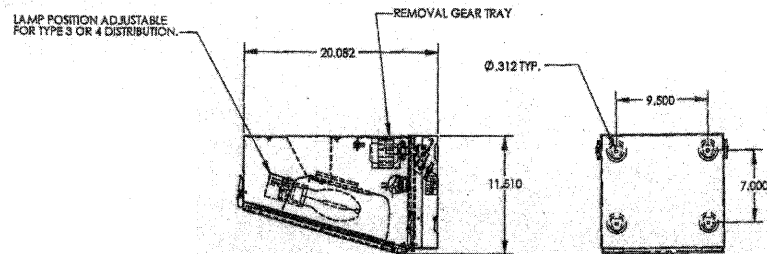
SCALE: NONE SHEET NO. 81 OF 209 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1537	06-00050-00-GS	COOK	209	81
CONTRACT NO. 63556				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT CRE-9003(709)				

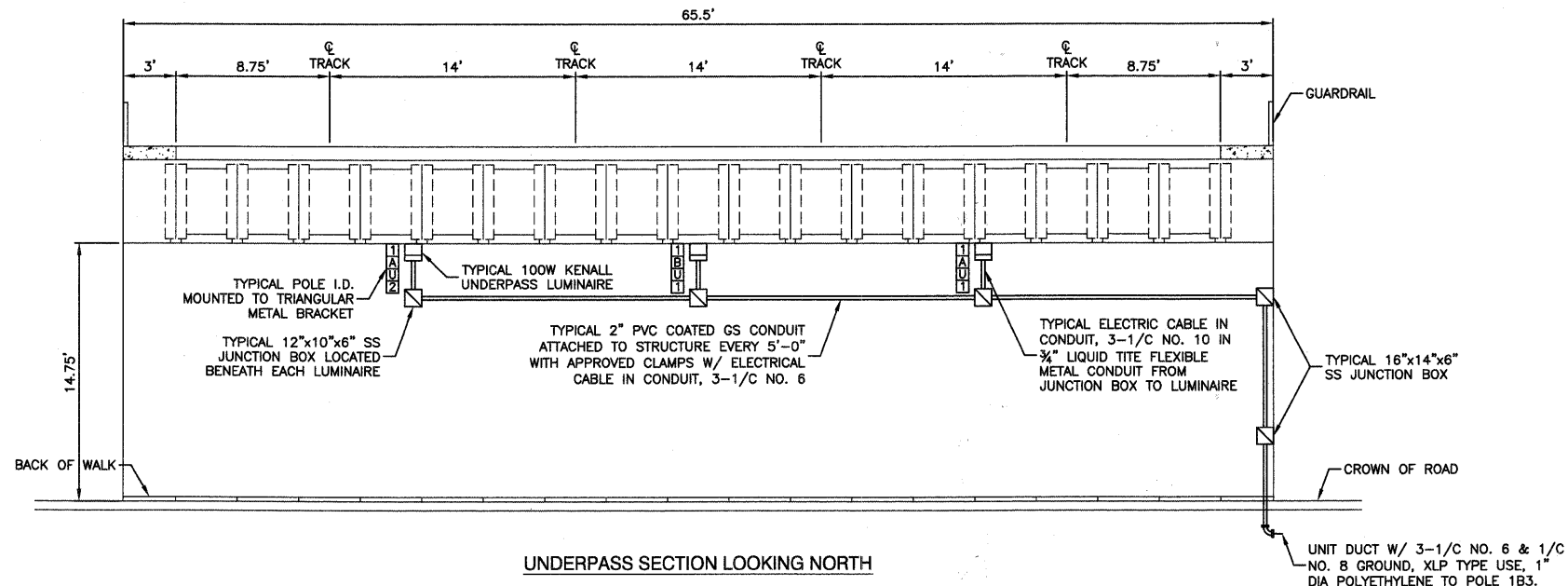
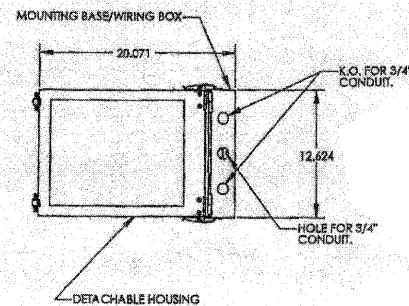
BT SPARD BY: POSTER/ANAC ON 10/20/10
OTTED BY: RICHARD GJENDEK ON 2/2/11

DATE	
BY	
PLAN	
NOTE BOOK NO.	
DATE	
BY	
PROFILE	
NOTE BOOK NO.	

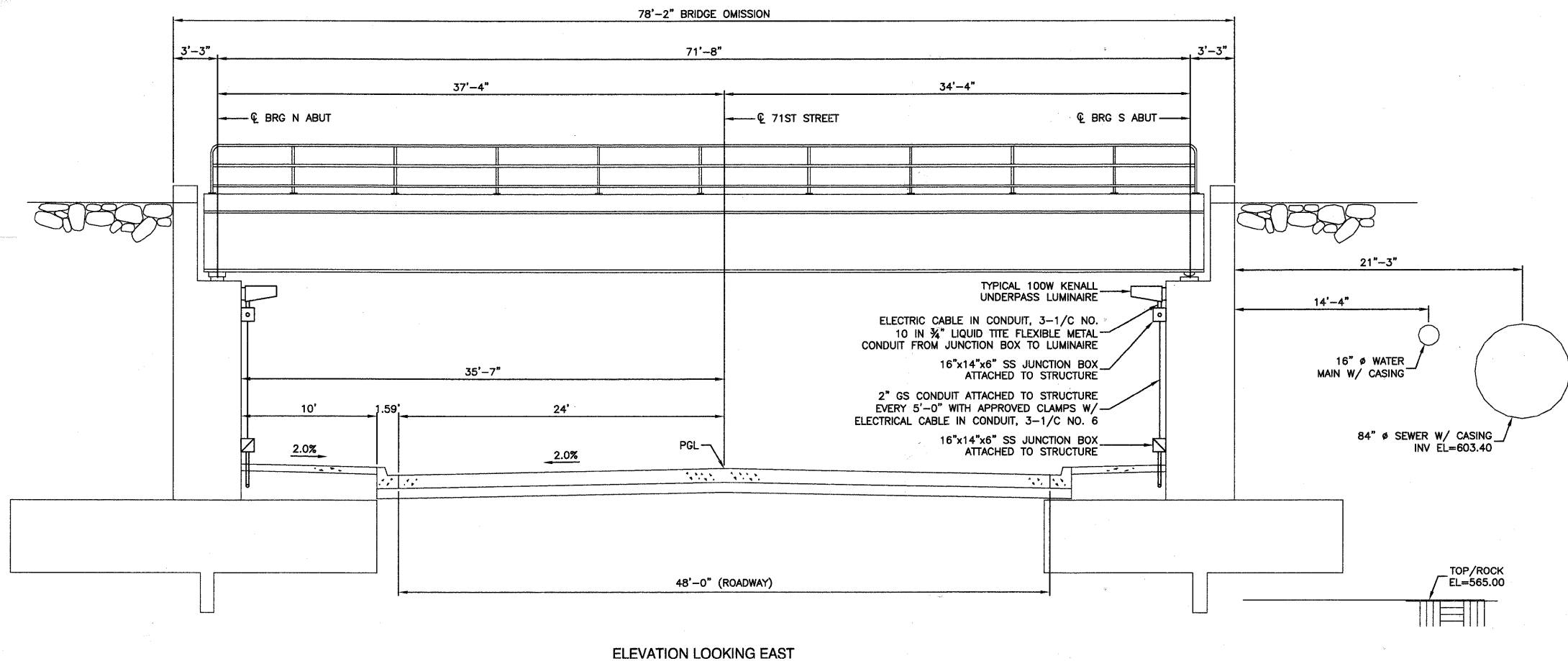
DATE	
BY	
PROFILE	
NOTE BOOK NO.	



KENALL UNDERPASS LUMINAIRE (OR APPROVED EQUAL)
100W HPS, MODEL NO. WFT 1221



UNDERPASS SECTION LOOKING NORTH



ELEVATION LOOKING EAST



FILE NAME = 09353-LGHT-02 - 001

USER NAME =	DESIGNED — PAP	REVISED —
PLOT SCALE =	CHECKED — PKB	REVISED —
PLOT DATE = 12/23/10	DRAWN — RG	REVISED —
	CHECKED — AG	REVISED —

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

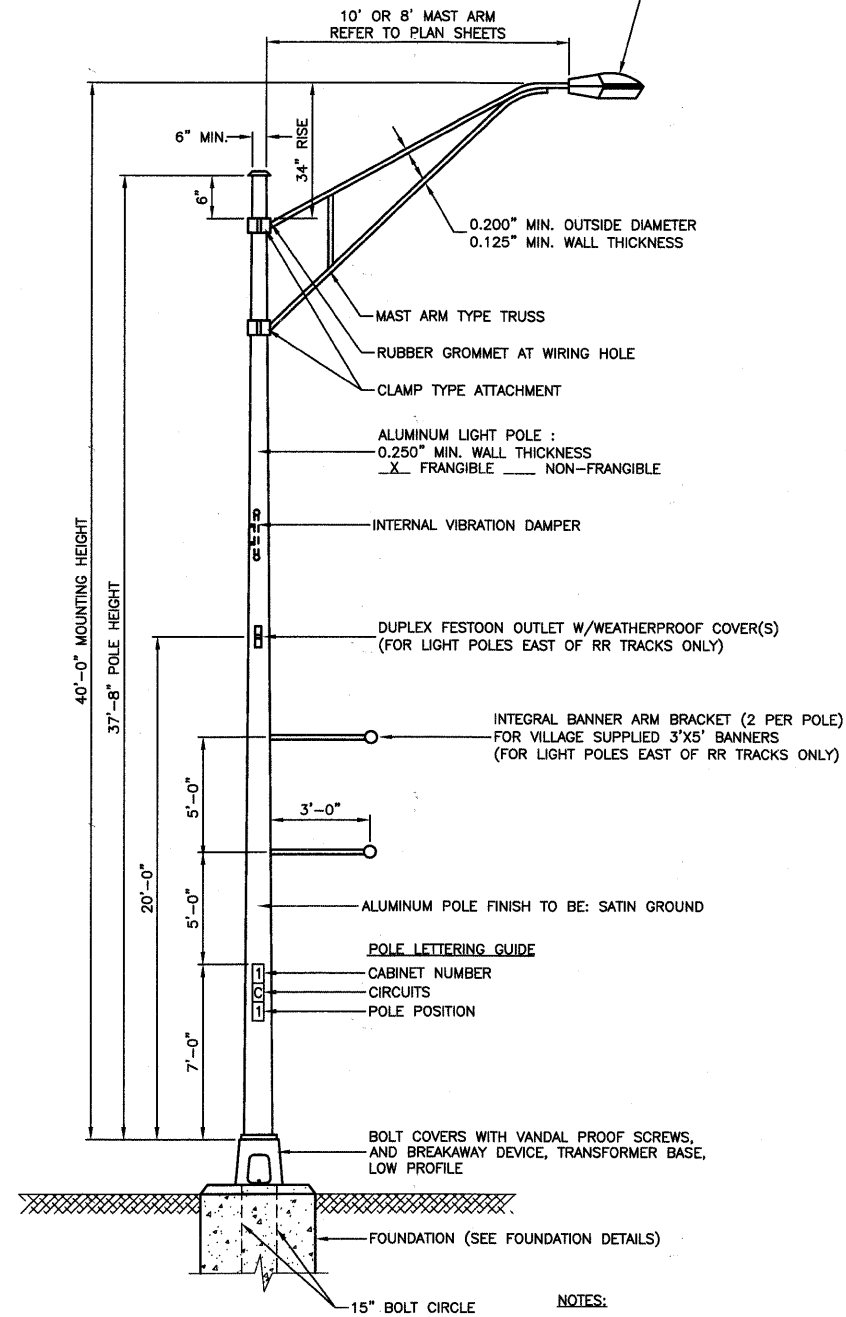
71ST STREET

STREET LIGHTING UNDERPASS DETAILS

SCALE: NONE SHEET NO. 82 OF 209 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1537	06-00050-00-GS	COOK	209	82
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 63556	
FED. AID PROJECT CRE-9003(709)				

LUMINAIRE:
250 WATT HIGH PRESSURE SODIUM LAMP
240 VOLT BALLAST
I.E.S. TYPE: MC III LIGHT DISTRIBUTION
LENS TYPE: FLAT
INITIAL LAMP LUMENS: 28,000
LAMP LIFE: 24,000 HOURS

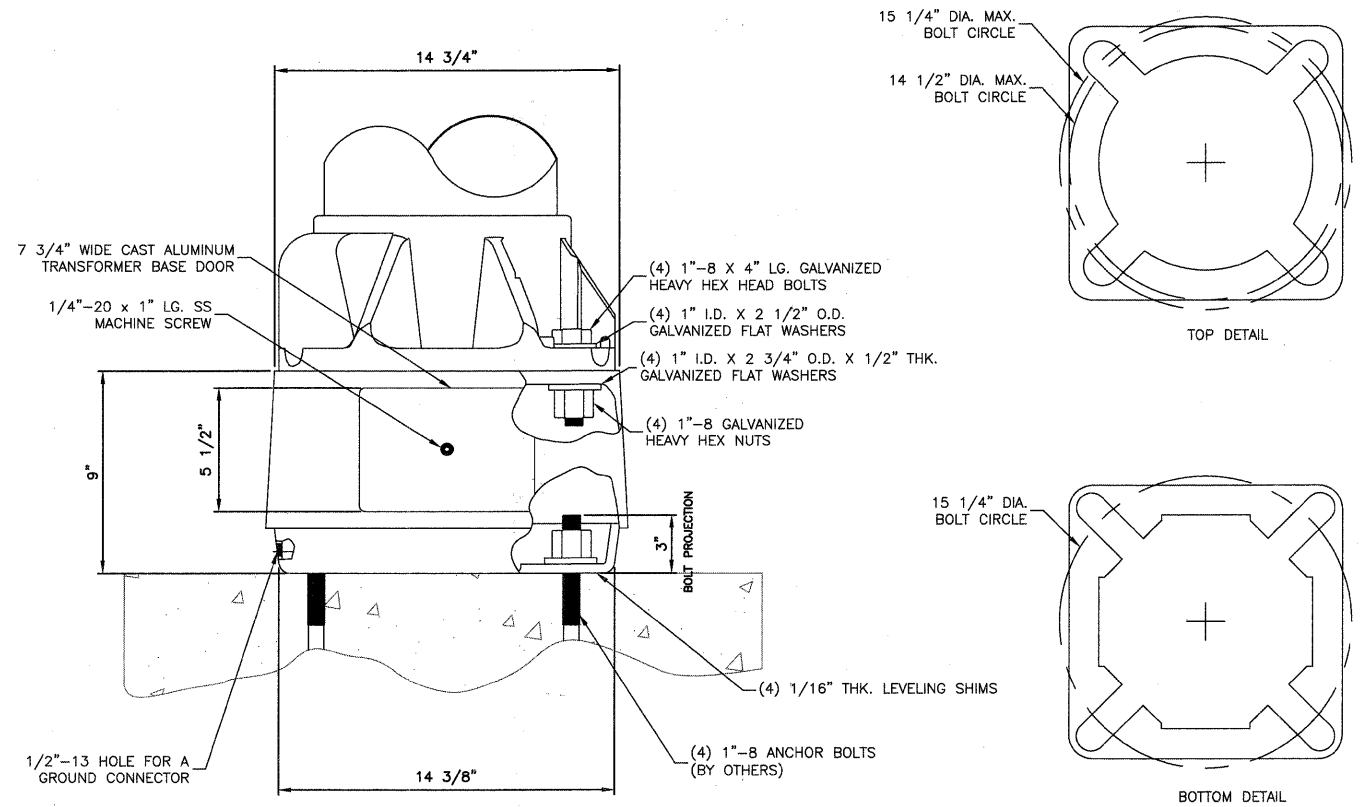


TYPICAL POLE INSTALLATION (40' MH)

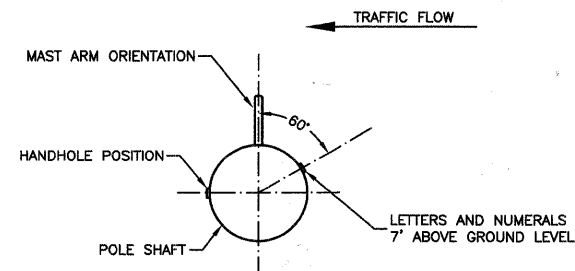
- NOTES:**
1. THE LIGHTING UNITS SHALL MEET AASHTO DESIGN CRITERIA. DESIGN FOR 90 M.P.H. WIND WITH 30% GUST AND 75 POUND LUMINAIRE HAVING AN E.P.A. OF 1.6 SQ. FT. AND PROPER ICE LOADING.
 2. ALUMINUM ALLOY 6063-T6 SHALL BE USED.

IMPORTANT NOTE:

TRANSFORMER BASE AND LIGHTPOLE TO BE LEVELED AS ONE UNIT. USING LEVELING SHIMS IF REQUIRED.



TRANSFORMER BASE DETAIL



POSITION OF HANDHOLE AND NUMERALS ON POLE

DATE	
BY	
PLAN	
NOTE BOOK NO.	
SURVEYED	
PLOTTED	
CHECKED	
BY	
DATE	
FILE NAME	

DATE	
BY	
PROFILE	
NOTE BOOK NO.	
SURVEYED	
PLOTTED	
CHECKED	
BY	
DATE	
FILE NAME	

FILE NAME = 09353-LGHT-03 - P01
PLOT SCALE = N/A
PLOT DATE = 12/23/10

USER NAME =	DESIGNED -- PAP	REVISOR --
	CHECKED -- PKB	REVISOR --
	DRAWN -- MJD	REVISOR --
	CHECKED -- AG	REVISOR --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

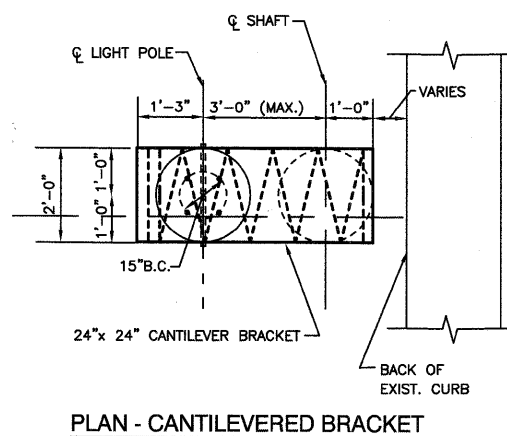
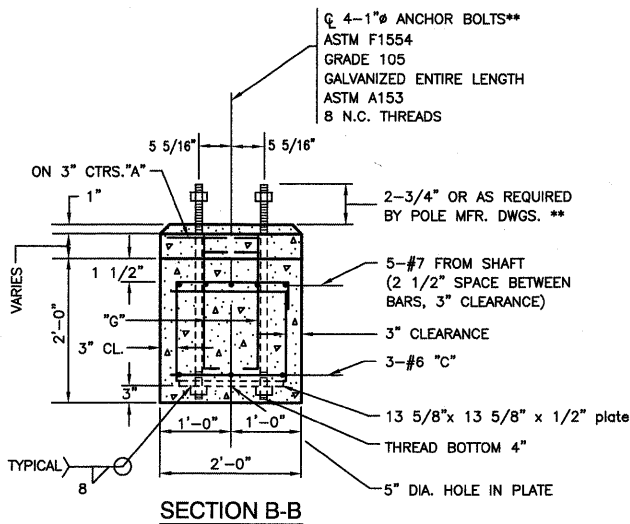
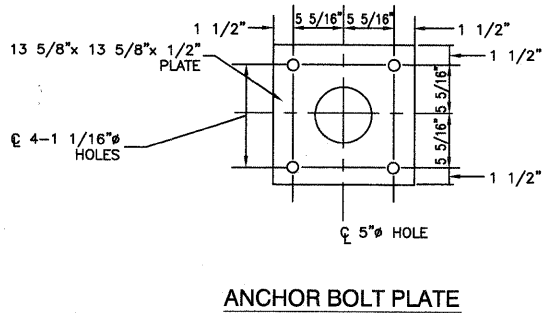
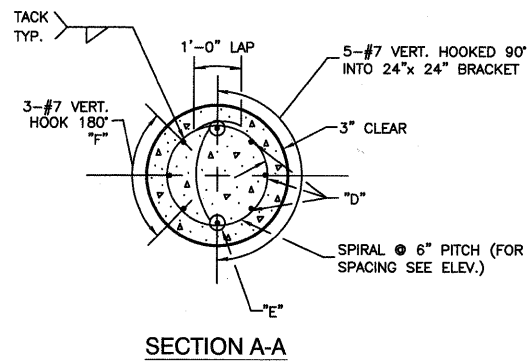
71ST STREET

EXISTING STREET LIGHTING - LIGHTING DETAILS

SCALE: N/A SHEET NO. 83 OF 209 SHEETS STA. N/A TO STA. N/A

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1537	06-00050-00-GS	COOK	209	83
CONTRACT NO. 63556				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT CRE-9003(709)				

SECTION 24, TOWNSHIP 38, RANGE 12
SECTION 25, TOWNSHIP 38, RANGE 12

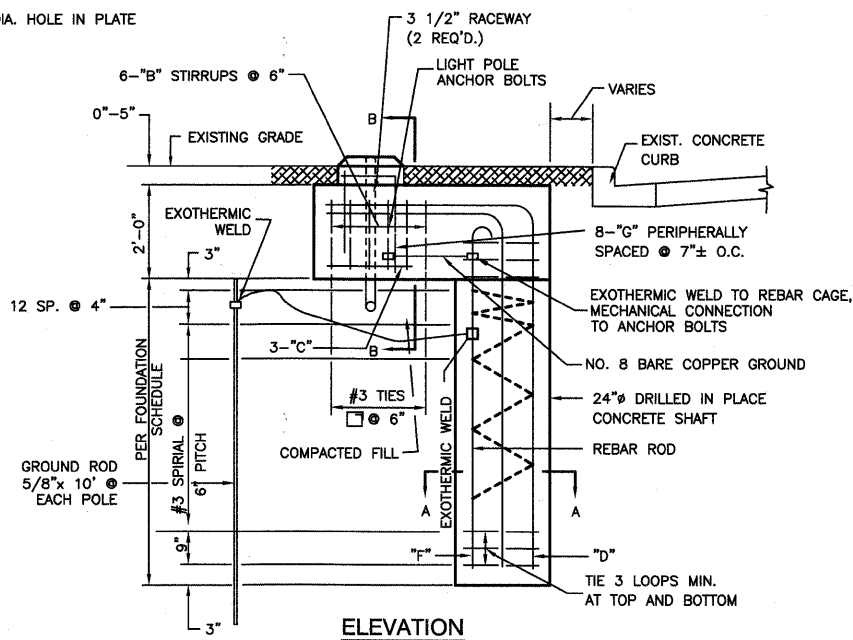


****NOTE:**
THE TOP OF THE ANCHOR BOLTS SHOULD NOT PROJECT MORE THAN 4" ABOVE A 60" CHORD ALIGNED RADIIALLY TO THE CENTERLINE OF THE HIGHWAY AND CONNECTING ANY POINT WITHIN THE LENGTH OF THE CHORD, ON THE GROUND SURFACE ON ONE SIDE OF THE SUPPORT TO A POINT ON THE GROUND SURFACE ON THE OTHER SIDE.

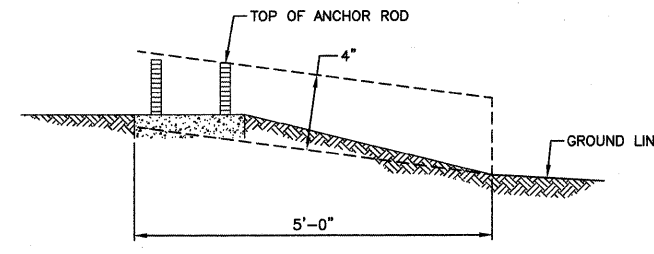
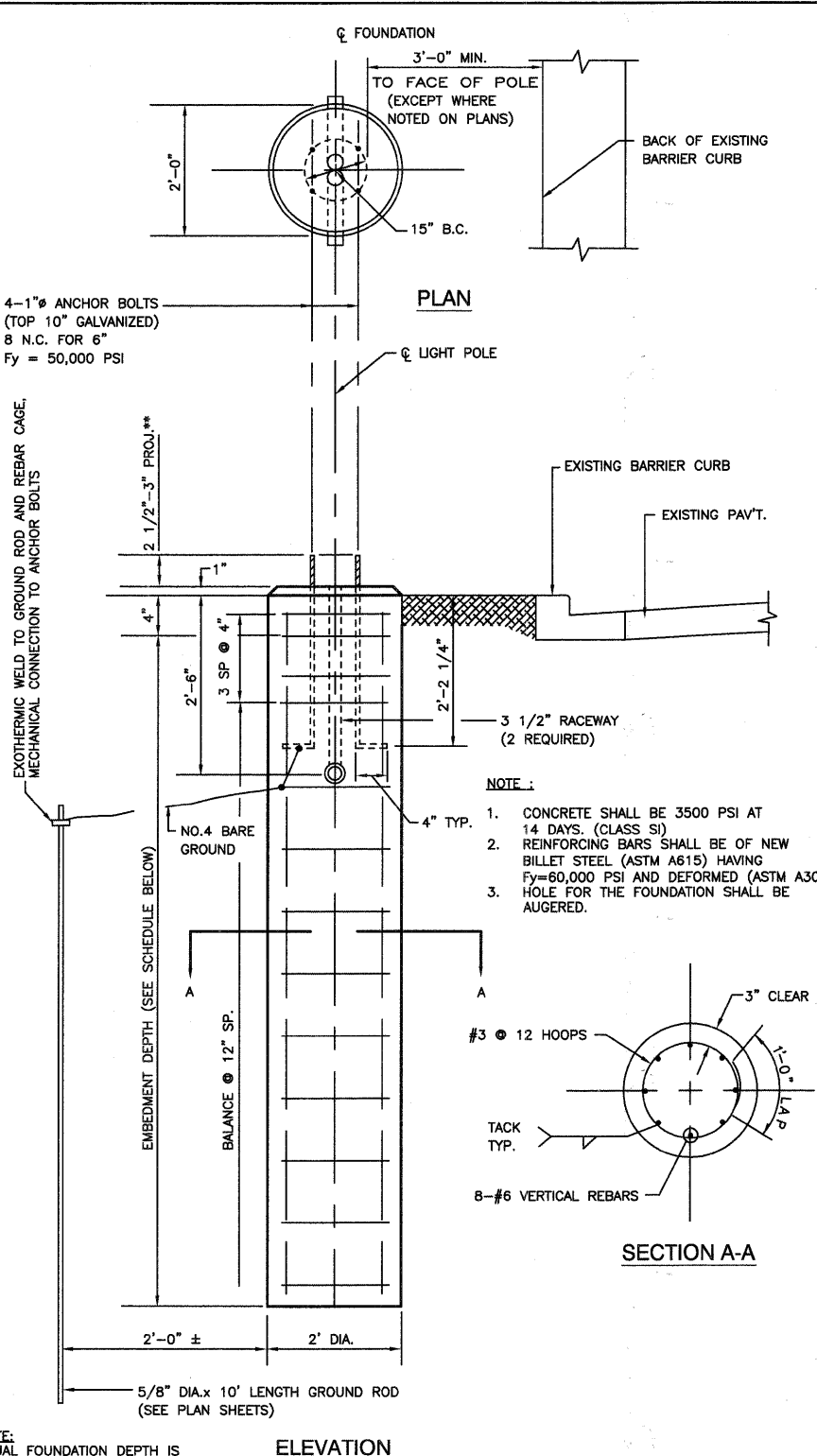
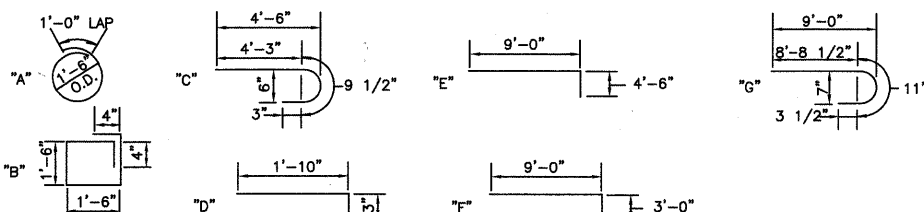
NOTE:

- CONCRETE SHALL BE 3500 PSI AT 14 DAYS. (CLASS SI)
- REINFORCING BARS SHALL BE OF NEW BILLET STEEL ASTM M42M (M42) AND DEFORMED
- HOLE FOR THE FOUNDATION (SHAFT) SHALL BE AUGERED
- POLE FOUNDATION, OFFSET FOR THIS APPLICATION IS EQUIVALENT TO 13.5 LIN.FT. PER FOUNDATION.
- THE CONTRACTOR SHALL USE A #3 SPIRAL AT 6" PITCH OR MAY SUBSTITUTE #3 TIES 12" O.C. WITH THE APPROVAL OF THE ENGINEER

BILL OF MATERIALS				
"LIGHT POLE FOUNDATION, 24" DIAMETER, OFFSET"				
QUAN.	MARK	SIZE	LENGTH	SHAPE
11	A	NO.3	5'-9"	○
6	B	NO.3	6'-8"	□
3	C	NO.6	5'-3 1/2"	○
8	G	NO.6	2'-1"	□
3	D	NO.7	13'-6"	□
2	E	NO.7	12'-0"	□
3	F	NO.7	9'-11"	□
REINFORCING BARS			LBS.	285
CLASS X CONCRETE			CU.YDS.	1.7
ANCHOR BOLTS			NO.	4
ANCHOR BOLT PLATE NO.				1



POLE FOUNDATION, OFFSET - DETAILS



****NOTE:**
THE FOUNDATION SHALL NOT PROTRUDE MORE THAN 100MM (4") ABOVE THE FINISHED GRADE WITHIN A 1.5M (60") CHORD ACROSS THE FOUNDATION, WITH ANCHOR RODS INCLUDED. IN ACCORDANCE WITH AASHTO GUIDELINES, IF THE FOUNDATION HEIGHT, INCLUDING ANCHOR RODS, EXTENDS BEYOND THESE SPECIFIED LIMITS, THE FOUNDATION SHALL BE REPLACED AT THE CONTRACTORS EXPENSE. SEE FOUNDATION EXTENSION DETAIL.

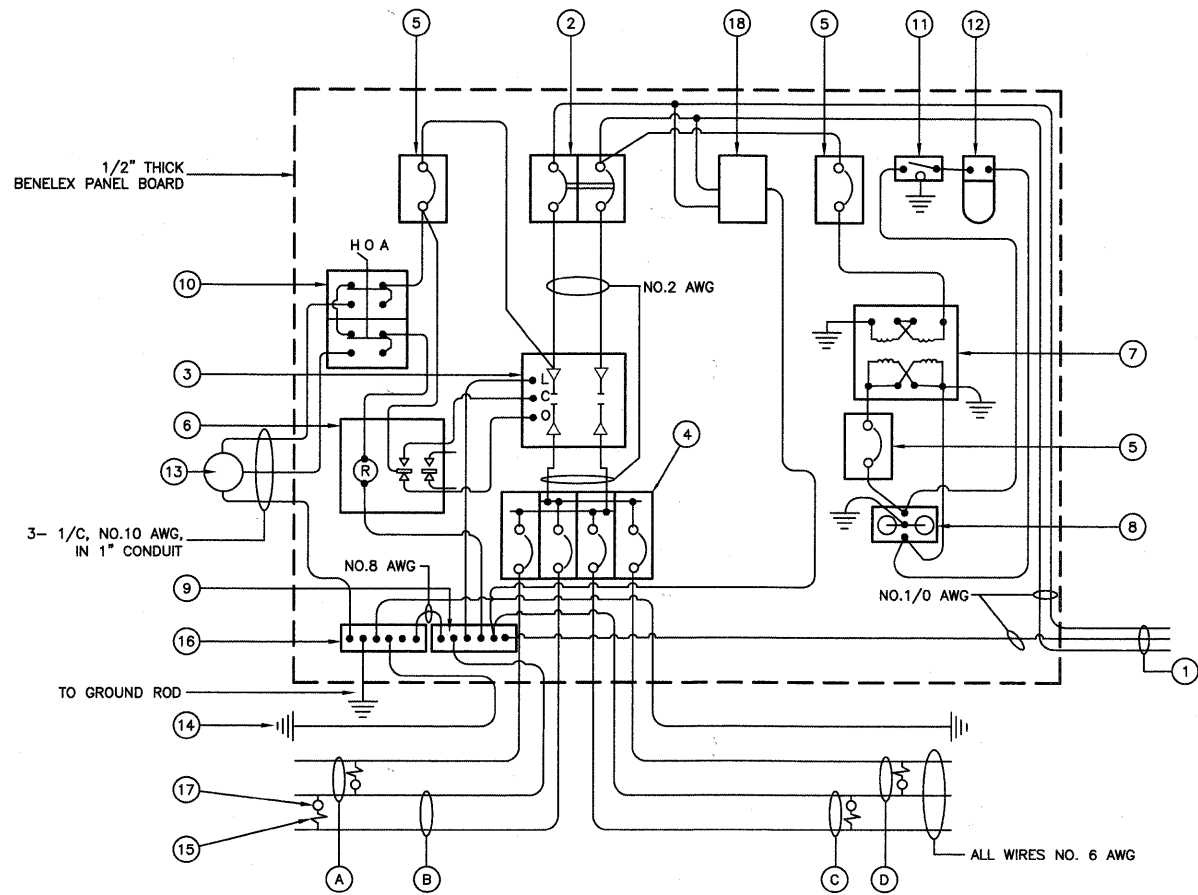
FOUNDATION EXTENSION DETAIL

DATE	BY	REVISION

DATE	BY	REVISION

FILE NAME = 09353-LGH-03 - P02	USER NAME =	DESIGNED = PAP	REVISED =	71ST STREET	F.A.U. RTE. =	SECTION =	COUNTY =	TOTAL SHEETS =	SHEET NO. =
		CHECKED = PKB	REVISED =	EXISTING & PROPOSED STREET LIGHTING - LIGHTING DETAILS	1537	06-00050-00-GS	COOK	209	84
		DRAWN = MJD	REVISED =	SCALE: N/A	SHEET NO. 84 OF 209 SHEETS		STA. N/A	TO STA. N/A	
		CHECKED = AG	REVISED =	CONTRACT NO. 63556					
				FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT CRE-9003(709)					

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



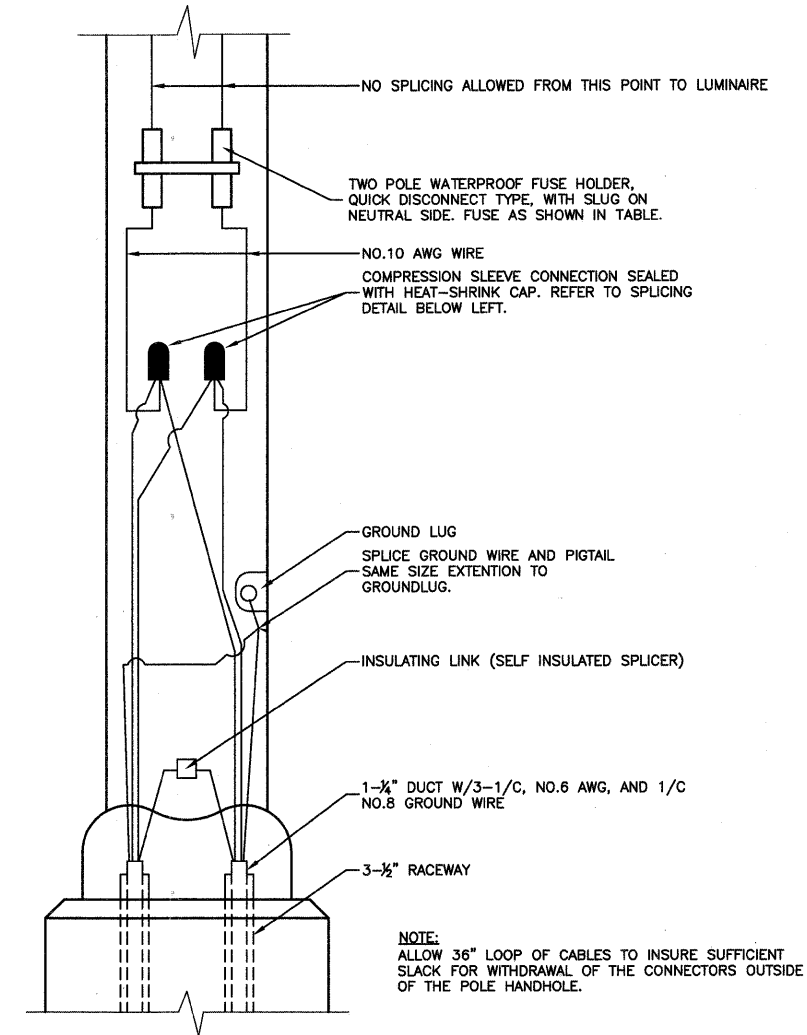
CONTROLLER WIRING DIAGRAM
(CONTROLLER #2)

CONTROLLER WIRING DIAGRAM LEGEND

- ① 3-1/C, NO. 2, 600V SERVICE WIRE IN 2" DIA. GALVANIZED STEEL CONDUIT FOR 240/480 VOLT, 1Ø, 3 WIRE, 60HZ. SERVICE.
- ② (1) 60 AMP MAIN CIRCUIT BREAKER, 2 POLE, 600 VOLT, 100 AMP BASE, NON-INTERCHANGEABLE TRIP INTERRUPTING RATING NEMA - 14000 AMP AT 480 V.
- ③ (1) 60 AMP REMOTE CONTROL CONTACTOR SWITCH, ELECTRICALLY OPERATED, MECHANICALLY HELD, 2 POLE, SINGLE THROW, MINIMUM 60 AMP, 600 VOLT
- ④ (4) 30 AMP CIRCUIT BREAKER, 1 POLE, 240 VOLT, 100 AMP BASE, NON-INTERCHANGEABLE TRIP RATING NEMA - 14000 AMP AT 240 VOLTS.
- ⑤ (3) 20 AMP CONTROL CIRCUIT-CIRCUIT BREAKER, 1 POLE, 240 VOLT, 100 AMP BASE, NON-INTERCHANGEABLE TRIP INTERRUPTING RATING NEMA 14000 AMP AT 240 V.
- ⑥ (1) 20 AMP, 1 POLE DOUBLE THROW, 240 VOLT RELAY
- ⑦ (1) 1.5 KVA, SINGLE PHASE, ENCAPSULATED TRANSFORMER 240x480/120x240 VOLT, 60 HZ.
- ⑧ (1) 20 AMP, 120 VOLT DUPLEX GFCI RECEPTACLE.
- ⑨ NEUTRAL BUS BAR, 1/4"x1"x12" LONG MOUNTED ON PANEL WITH TAPS.
- ⑩ 3 POSITION SELECTOR SWITCH
- ⑪ SWITCH FOR LIGHTING FIXTURE MOUNTED IN BOX.
- ⑫ WEATHER-PROOF INCANDESCENT LIGHTING FIXTURE WITH 60 WATT, 120 V LAMP.
- ⑬ PHOTOCELL MOUNTED TO BOTTOM OF VENTED CONTROL CABINET OVERHANG
- ⑭ NO.8 AWG INSULATED GROUND WIRE
- ⑮ IN-LINE FUSEHOLDER WITH FUSE AS NOTED IN FUSE TABLE
- ⑯ GROUND BUS BAR 1/4"x1"x12" LONG MOUNTED ON PANEL WITH TAPS.
- ⑰ LUMINAIRE, 250 HPS
- ⑱ SURGE SUPPRESSOR
- A CIRCUIT
- C CIRCUIT
- D CIRCUIT
- E CIRCUIT

NOMINAL WATTAGE	FUSE SIZE
250	3.5 AMP
310	5.0 AMP

LUMINAIRE FUSE SIZE TABLE



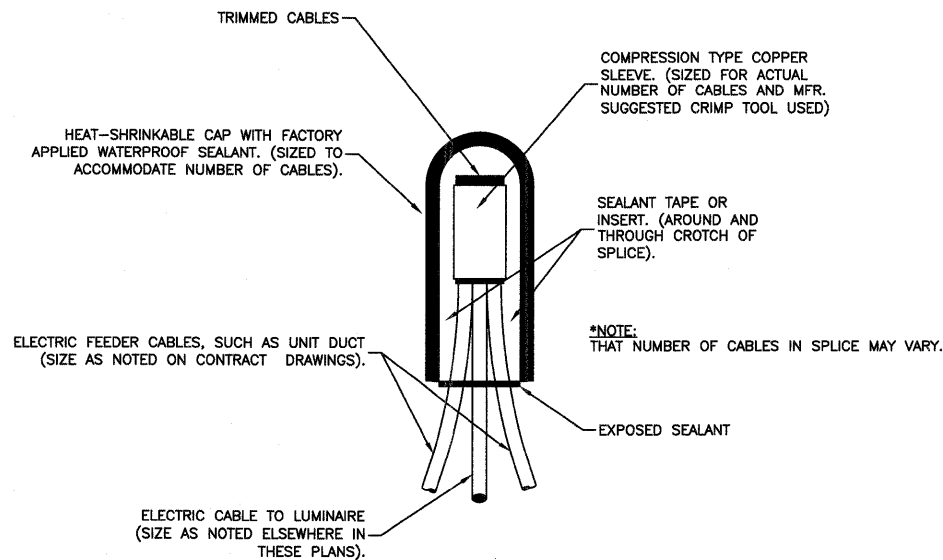
POLE HANDHOLE WIRING DIAGRAM
(TYPICAL FOR SINGLE LUMINAIRE INSTALLATION)

GENERAL NOTES FOR CONTROL CABINET

- ENTIRE CONTROL CABINET SHALL BE GROUNDED.
- ALL WIRING SHALL BE TAGGED WITH SELF-STICKING WIRE MARKERS.
- GROUND BUS TO BE COLOR CODED GREEN, NEUTRAL BUS WHITE, AND BONDED TO CABINET. ENCLOSURE, BY LISTED PRESSURE CONNECTORS OR LISTED CLAMPS.
- ALL INTERNAL CONTROLLER WIRING TO BE NO.12 AWG UNLESS OTHERWISE SPECIFIED.
- CABINET WIRING INSULATION TO BE TYPE XHHW OR APPROVED EQUAL.

LIGHTING GENERAL NOTES

- ALL WORK TO CONFORM TO THE NATIONAL ELECTRICAL CODE AND ANY APPLICABLE LOCAL CODES.
- CONTRACTOR TO VERIFY LOCATION OF ALL UNDERGROUND UTILITIES BEFORE TRENCHING OR AUGERING.
- BEFORE INSTALLING STANDARDS NEAR OVERHEAD FACILITIES CALL C.E. Co. FOR APPROVAL OF LOCATION.
- FOR LOCATION OF EXISTING UNDERGROUND ELECTRICAL CABLE CALL C.E. Co.
- SIZE ALL CONDUIT AS SPECIFIED ON DRAWINGS.
- CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES TO RESTORE ANY SPECIALIZED LANDSCAPING, (I.E. DECORATIVE ROCKS, SHRUBS, PLANTS, ECT.) OR SHALL REPLACE IT, THE COST OF WHICH SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.



SPlicing ELECTRIC CABLES
BASIC MATERIALS AND METHODS

DATE	
BY	
REVISION	
PLANNED	
NOTED	
FILE NO.	

DATE	
BY	
REVISION	
PLANNED	
NOTED	
FILE NO.	

FILE NAME = 09353-LGHT-03 - P03

USER NAME =	DESIGNED - PAP	REVISED -
PLOT SCALE = N/A	CHECKED - PKB	REVISED -
PLOT DATE = 12/23/10	DRAWN - MJD	REVISED -
	CHECKED - AG	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

71ST STREET

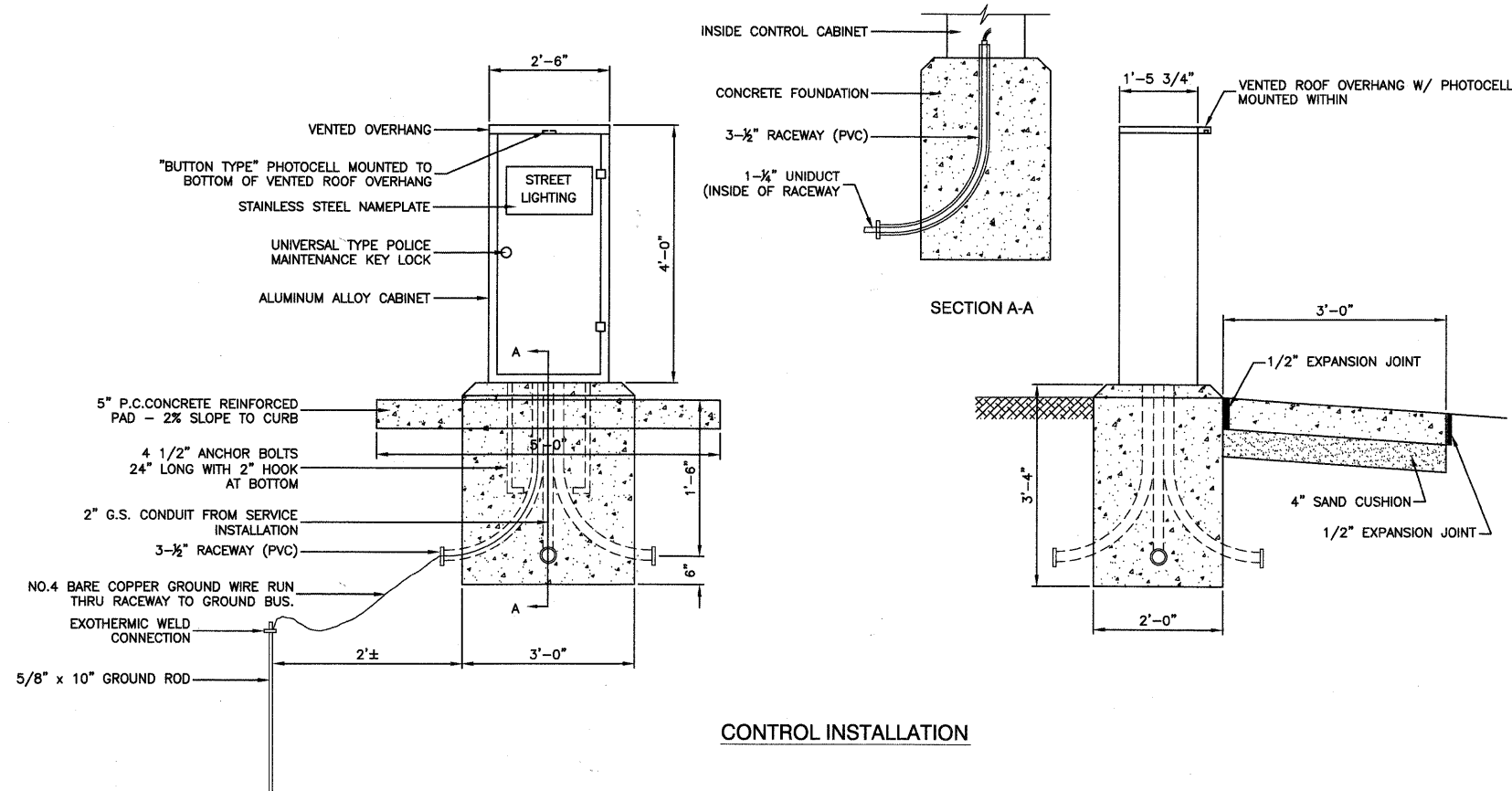
STREET LIGHTING - EXISTING CONTROLLER #2 LIGHTING DETAILS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1537	06-00050-00-GS	COOK	209	85
CONTRACT NO. 63556				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT CRE-9003(709)				

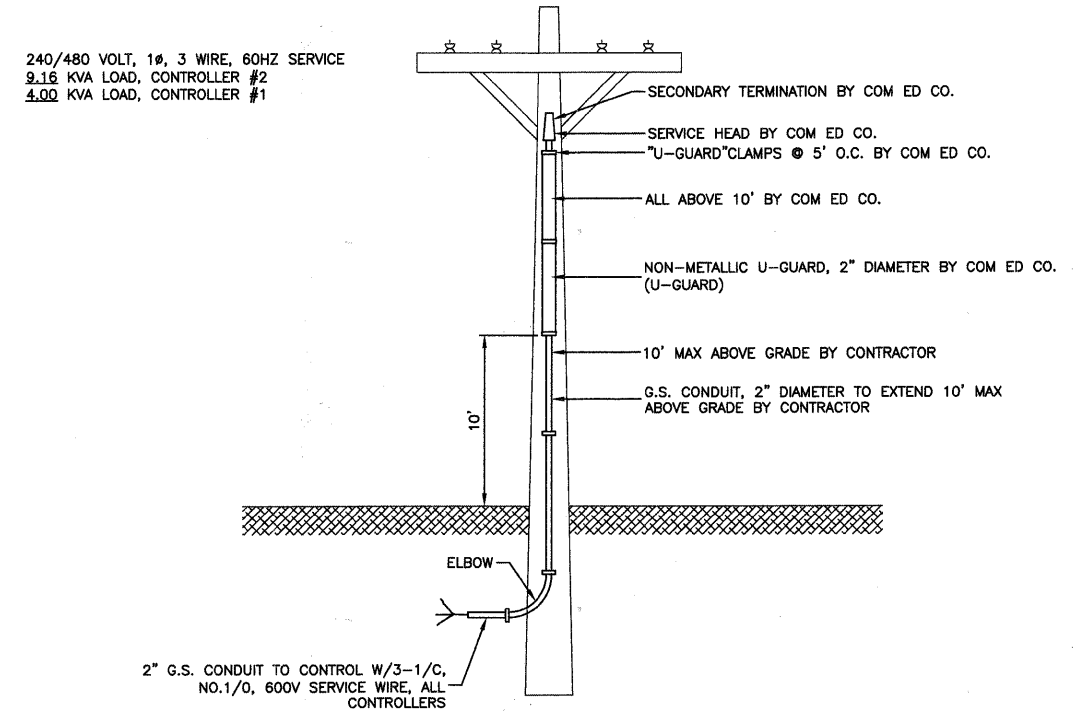
SCALE: N/A SHEET NO. 85 OF 209 SHEETS STA. N/A TO STA. N/A

SECTION 24, TOWNSHIP 38, RANGE 12
SECTION 25, TOWNSHIP 38, RANGE 12

DATE	
BY	
REVISIONS	
NO.	
DESCRIPTION	
DATE	
BY	
DATE	
BY	

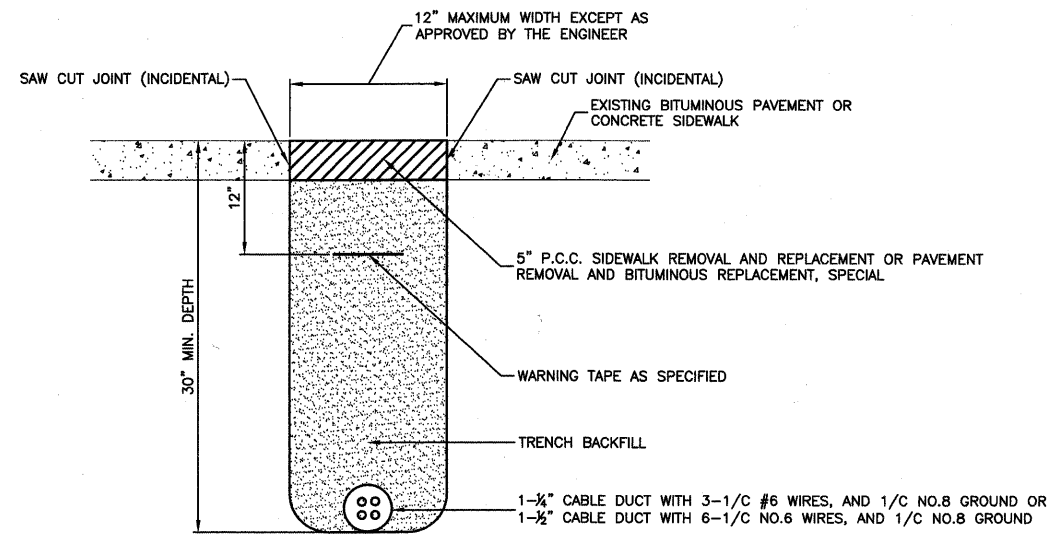


CONTROL INSTALLATION

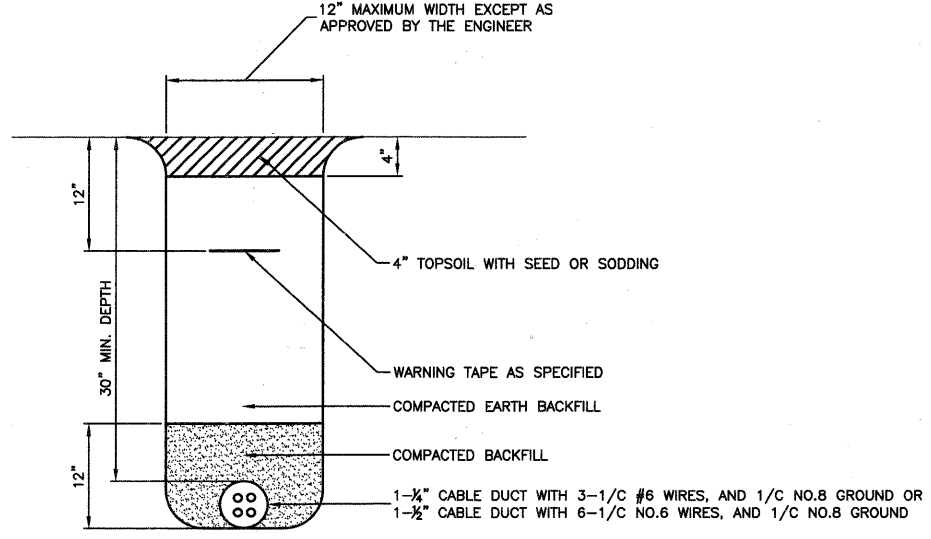


SERVICE CONNECTION FOR ALL CONTROLLERS

DATE	
BY	
REVISIONS	
NO.	
DESCRIPTION	
DATE	
BY	
DATE	
BY	



BITUMINOUS PAVEMENT OR CONCRETE SIDEWALK REMOVAL AND REPLACEMENT



TRENCH DETAIL

FILE NAME = 09353-LGHT-03 - P04	USER NAME =	DESIGNED -- PAP	REVISED --
		CHECKED -- PKB	REVISED --
		DRAWN -- MJD	REVISED --
		CHECKED -- AG	REVISED --
	PLOT SCALE = N/A		
	PLOT DATE = 12/23/10		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

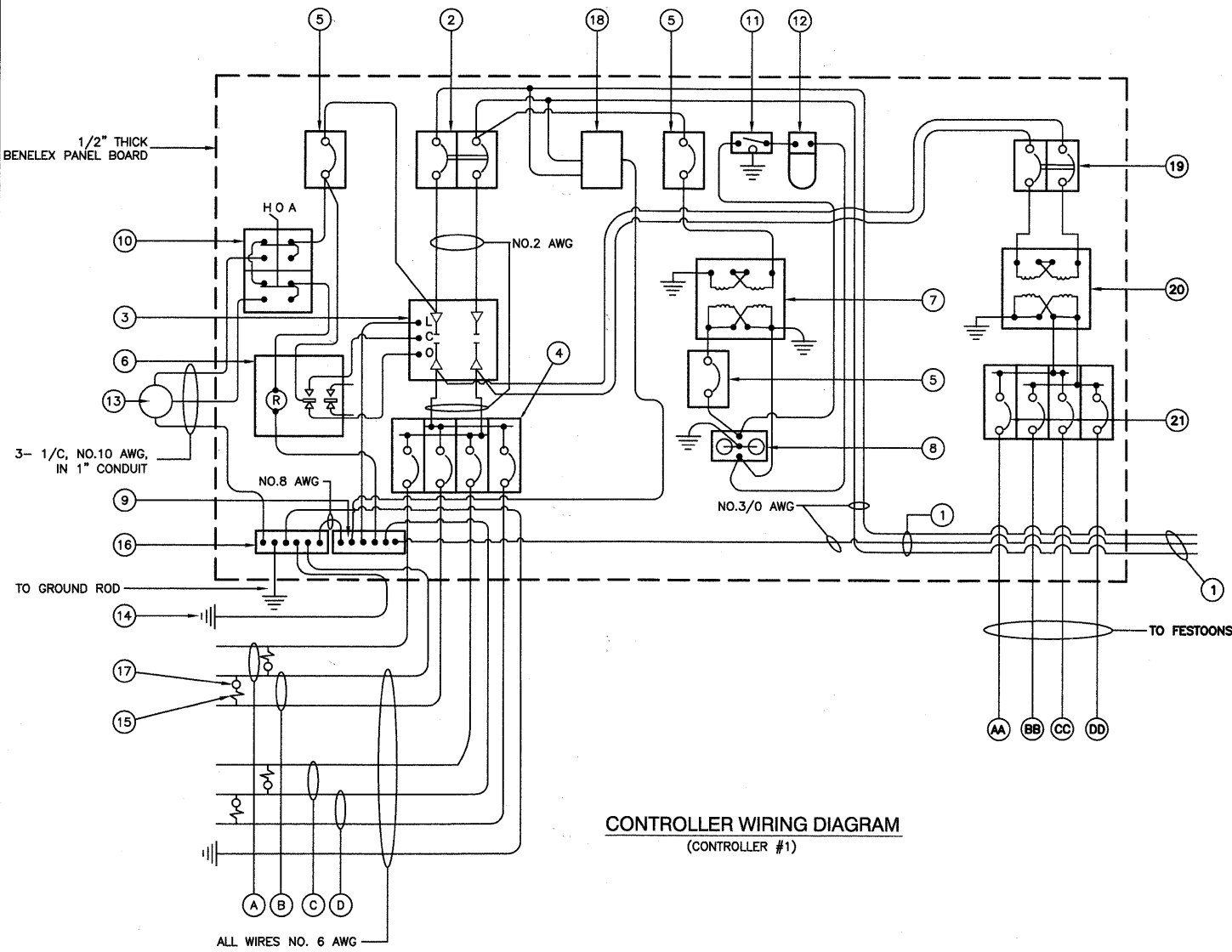
71ST STREET	
STREET LIGHTING - EXISTING CONTROLLER & SERVICE/ TRENCH DETAILS	
SCALE: N/A	SHEET NO. 86 OF 209 SHEETS STA. N/A TO STA. N/A

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1537	06-00050-00-GS	COOK	209	86
CONTRACT NO. 63556				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT CRE-9003(709)				

BT SAVER BY: ROOMBER, ON 12/17/10
CITYED BY: R231432, COOPER, ON 2/26/11

DATE	
BY	
REVISIONS	
NO.	DESCRIPTION
1	
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AA	
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CC	
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DATE	
BY	
REVISIONS	
NO.	DESCRIPTION
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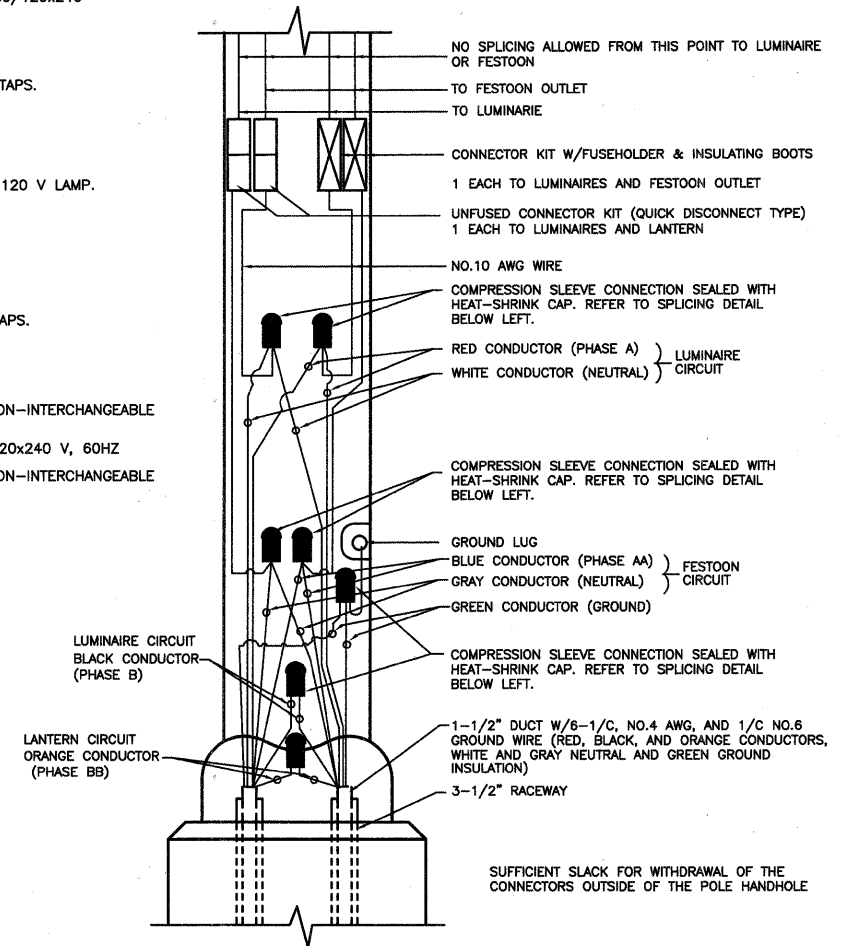
CONTROLLER WIRING DIAGRAM
(CONTROLLER #1)

CONTROLLER WIRING DIAGRAM LEGEND

- ① 3-1/C, NO. 3/0, 600V SERVICE WIRE IN 2" DIA. GALVANIZED STEEL CONDUIT FOR 240/480 VOLT, 1 ϕ , 3 WIRE, 60HZ. SERVICE.
- ② (1) 100 AMP MAIN CIRCUIT BREAKER, 2 POLE, 600 VOLT, 100 AMP BASE, NON-INTERCHANGEABLE TRIP INTERRUPTING RATING NEMA - 14000 AMP AT 480 V.
- ③ (1) 100 AMP REMOTE CONTROL CONTACTOR SWITCH, ELECTRICALLY OPERATED, MECHANICALLY HELD, 2 POLE, SINGLE THROW, MINIMUM 60 AMP, 600 VOLT
- ④ (4) 30 AMP CIRCUIT BREAKER, 1 POLE, 240 VOLT, 100 AMP BASE, NON-INTERCHANGEABLE TRIP RATING NEMA - 14000 AMP AT 240 VOLTS.
- ⑤ (3) 20 AMP CONTROL CIRCUIT-CIRCUIT BREAKER, 1 POLE, 240 VOLT, 100 AMP BASE, NON-INTERCHANGEABLE TRIP INTERRUPTING RATING NEMA 14000 AMP AT 240 V.
- ⑥ (1) 20 AMP, 1 POLE DOUBLE THROW, 240 VOLT RELAY
- ⑦ (1) 1.5 KVA, SINGLE PHASE, ENCAPSULATED TRANSFORMER 240x480/120x240 VOLT, 60 HZ.
- ⑧ (1) 20 AMP, 120 VOLT DUPLEX GFCI RECEPTACLE.
- ⑨ NEUTRAL BUS BAR, 1/4"x1"x12" LONG MOUNTED ON PANEL WITH TAPS.
- ⑩ 3 POSITION SELECTOR SWITCH
- ⑪ SWITCH FOR LIGHTING FIXTURE MOUNTED IN BOX.
- ⑫ WEATHER-PROOF INCANDESCENT LIGHTING FIXTURE WITH 60 WATT, 120 V LAMP.
- ⑬ PHOTOCCELL MOUNTED TO TOP OF NEAREST LIGHT POLE, 240 V.
- ⑭ NO.8 AWG INSULATED GROUND WIRE
- ⑮ IN-LINE FUSEHOLDER WITH FUSE AS NOTED IN FUSE TABLE
- ⑯ GROUND BUS BAR 1/4"x1"x12" LONG MOUNTED ON PANEL WITH TAPS.
- ⑰ LUMINAIRE, 250 HPS OR 310 HPS
- ⑱ SURGE SUPPRESSOR
- ⑲ 60 AMP CIRCUIT BREAKER, 2 POLE, 600 VOLT, 250 AMP BASE, NON-INTERCHANGEABLE TRIP INTERRUPTING RATING NEMA - 14000 AMP AT 480 VOLTS.
- ⑳ 7.5 KVA, SINGLE PHASE, ENCAPSULATED TRANSFORMER 240x480/120x240 V, 60HZ
- ㉑ 30 AMP CIRCUIT BREAKER, 1 POLE, 600 VOLT, 100 AMP BASE, NON-INTERCHANGEABLE TRIP INTERRUPTING RATING NEMA - 14000 AMP AT 277 VOLTS.
- AA CIRCUIT
- BB CIRCUIT
- CC CIRCUIT
- DD CIRCUIT

NOMINAL WATTAGE	FUSE SIZE
250	3.5 AMP
310	5.0 AMP
FESTOON	1.5 AMP

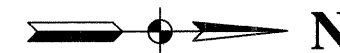
LUMINAIRE FUSE SIZE TABLE



POLE HANDHOLE WIRING DIAGRAM
(TYPICAL FOR DOUBLE LUMINAIRE INSTALLATION)
(WITH LANTERN)

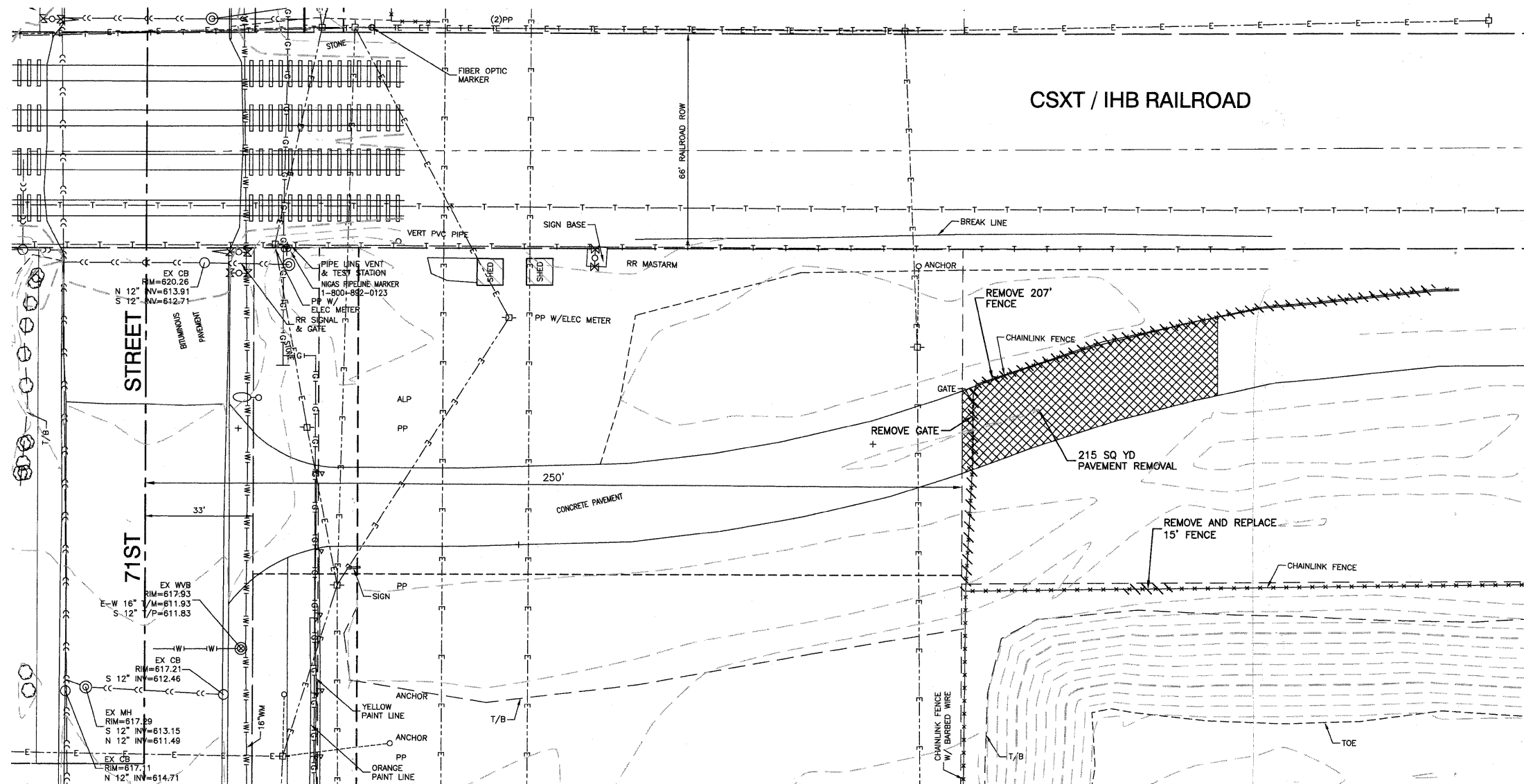
USER NAME =	DESIGNED -- PAP	REVISED --
	CHECKED -- PKB	REVISED --
PLOT SCALE = N/A	DRAWN -- MJD	REVISED --
PLOT DATE = 12/23/10	CHECKED -- AG	REVISED --

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1537	06-00050-00-GS	COOK	209	87
CONTRACT NO. 63556				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT CRE-9003(709)				



DATE	
BY	
REVISIONS	
PLANNED	CHECKED
NOTE BOOK	CADD FILE NAME
NO.	

DATE	
BY	
REVISIONS	
GRADES CHECKED	NOTED
NOTE BOOK	IS.M.



LEGEND
 PAVEMENT REMOVAL

BENCH MARK: BVW249

SQUARE CUT ON N CONC BASE OF RR SIGNAL
MAST ARM BASE ON S ROW OF 71ST STREET
1/2 MILE WEST OF HARLEM AVENUE
ELEVATION=620.57

FILE NAME = 09353_02-PLPR-01 - IDOT PLPR01

USER NAME =	DESIGNED -- PKB	REVISED -- REL - 02-09-11
	CHECKED -- PKB	REVISED --
PLOT SCALE =	DRAWN -- PS/LTL	REVISED --
PLOT DATE = 12/23/10	CHECKED -- AG	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

71ST STREET

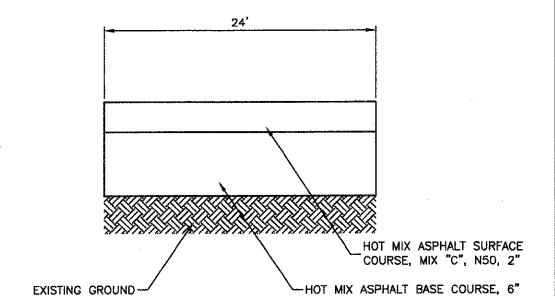
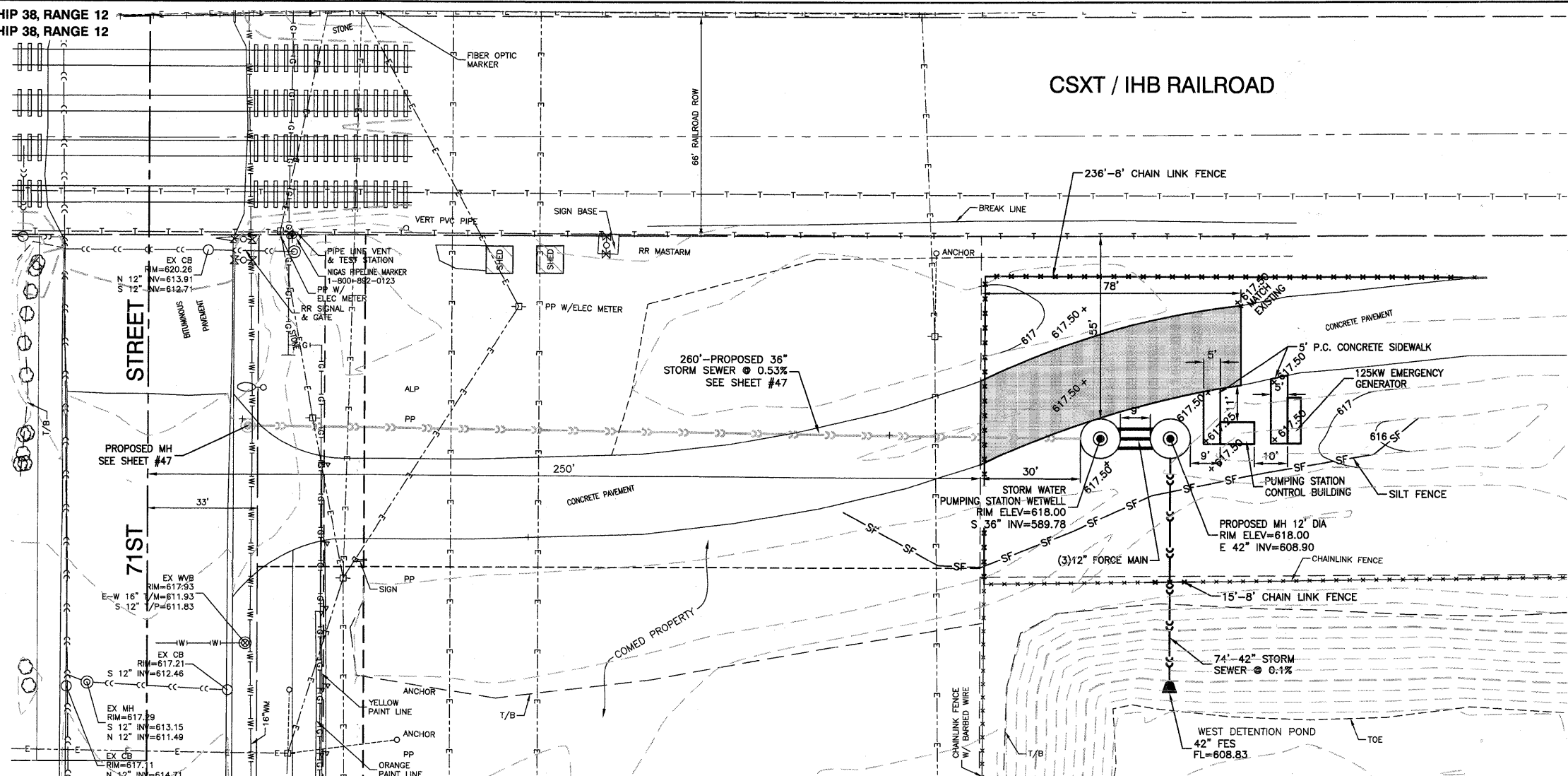
PUMPING STATION EXISTING CONDITIONS & REMOVAL PLAN

SCALE: 1"=20 SHEET NO. 88 OF 209 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1537	06-00050-00-GS	COOK	209	88
CONTRACT NO. 63556				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT CRE-9003(709)				

SECTION 24, TOWNSHIP 38, RANGE 12
SECTION 25, TOWNSHIP 38, RANGE 12

CSXT / IHB RAILROAD

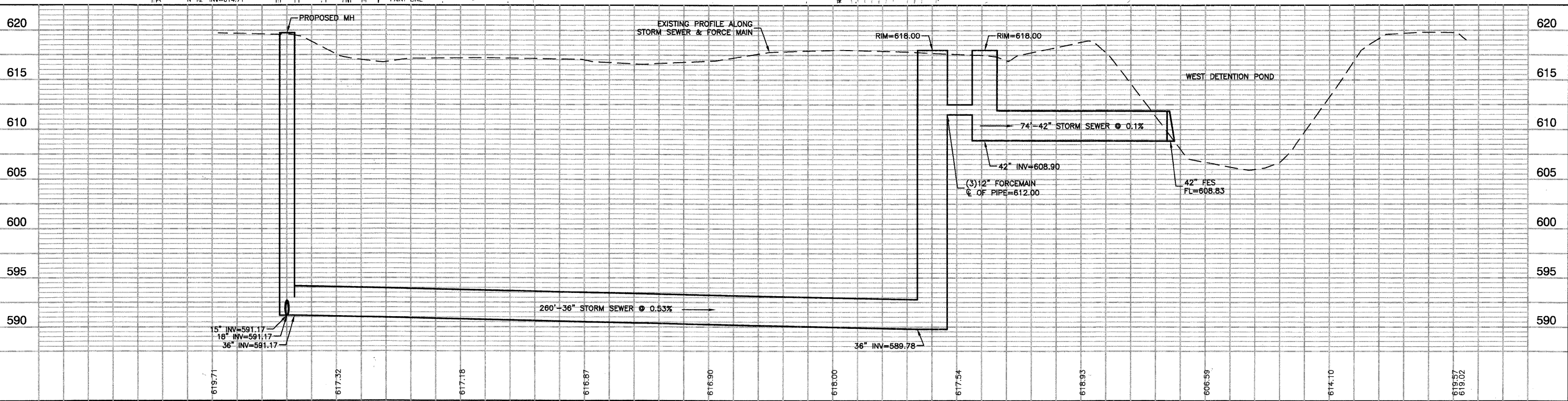


LEGEND

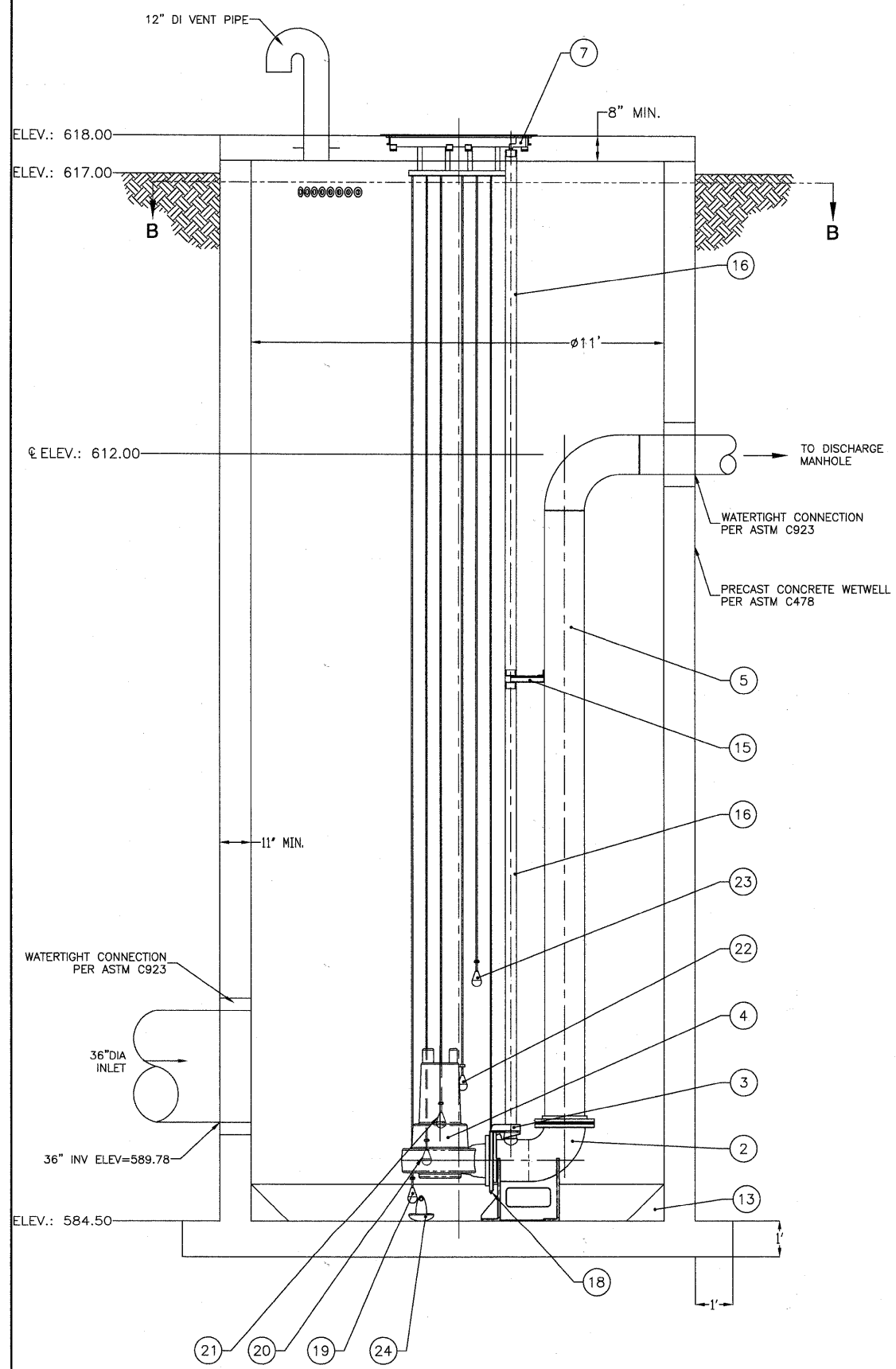
HOT MIX ASPHALT SURFACE COURSE, MIX "C", N50, 2" AND HOT MIX ASPHALT BASE COURSE, 6"

PLAN	DESIGNED	PKB
	CHECKED	PKB
NOTE BOOK NO.	DATE	12/23/10
	BY	AG

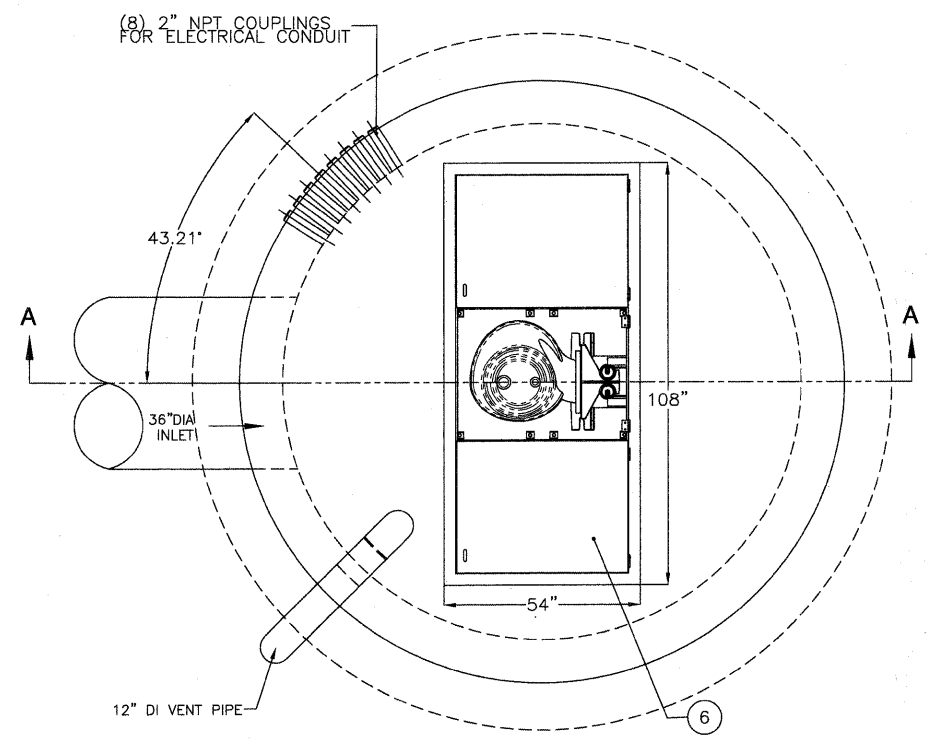
PROFILE	DESIGNED	PKB
	CHECKED	PKB
NOTE BOOK NO.	DATE	12/23/10
	BY	AG



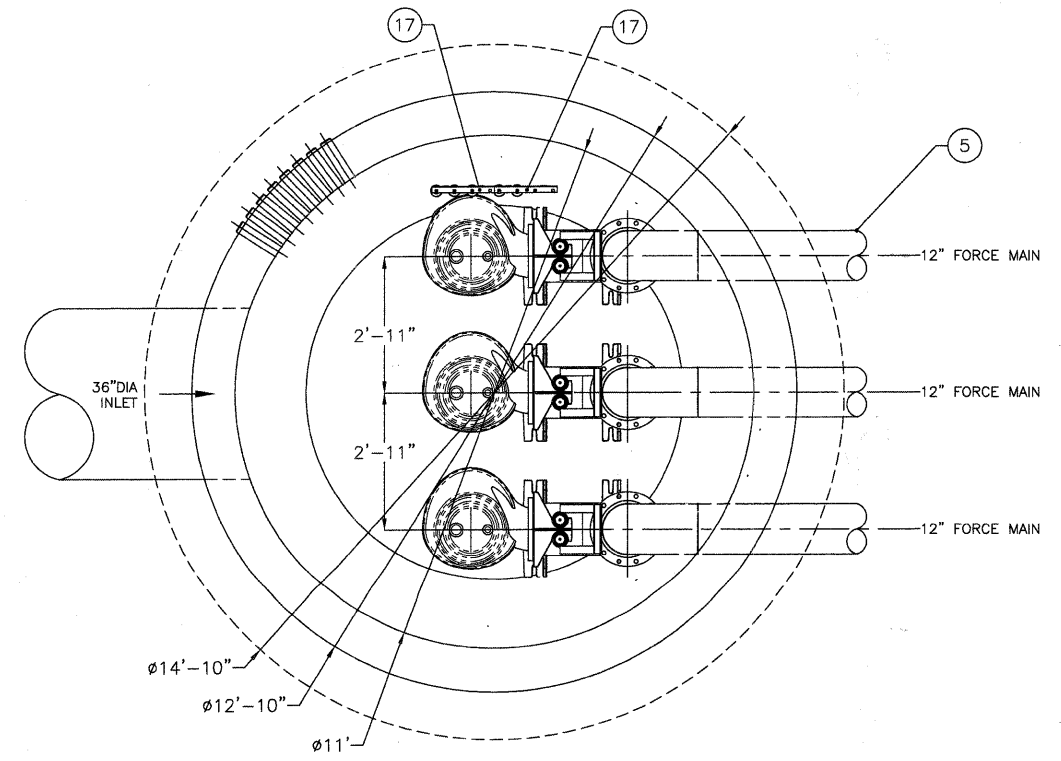
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	PLOT SCALE =	CHECKED -- PKB	REVISED --			PUMPING STATION PLAN & PROFILE		1537	06-00060-00-GS	COOK	209	89
	PLOT DATE = 12/23/10	DRAWN -- PS	REVISED --			SCALE: H 1"=20' V 1"=5'		SHEET NO. 89	OF 209 SHEETS	STA.	TO STA.	CONTRACT NO. 63556
		CHECKED -- AG	REVISED --			FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	CPE-9003(709)		



SECTION A-A



PLAN



SECTION B-B

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	WET WELL	11'-0" DIA. PRECAST CONCRETE PER ASTM C478	1
2	12" MTM ELBOW		3
3	12"x10" MTM SEALING FLANGE		3
4	LIFT PUMPS	12" SUBMERSIBLE PUMPS	3
5	12" DISCHARGE RISER	SCH. 40 PIPE	3
6	54"x108"	TRIPLEX ALUMINUM ACCESS HATCH	1
7	UPPER GUIDE RAIL SUPPORT	FOR 3" RAILS	3
12	CONCRETE FILLET	SLOPE 1:1, CONCRETE	1
13	INTERMEDIATE GUIDE RAIL SUPPORT	3" GUIDE RAILS	3
15	3" GUIDE RAIL	SCHED. 40 STAINLESS STEEL PIPE	12
16	FLOAT MOUNTING BRACKET	STAINLESS STEEL	2
17	SUBMERSIBLE LEVEL TRANSDUCER		1
18	FLOAT: OFF LEVEL		1
19	FLOAT: ONE PUMP ON		1
20	FLOAT: TWO PUMPS ON		1
21	FLOAT: THREE PUMPS ON		1
22	FLOAT: ALARM LEVEL		1
23	ANCHOR	10lbs CAST IRON, WITH STAINLESS STEEL CHAIN FOR LEVEL CONTROL MOUNTING	1
24	BARRIER JOINTS	O-RING / BUTYL RUBBER	

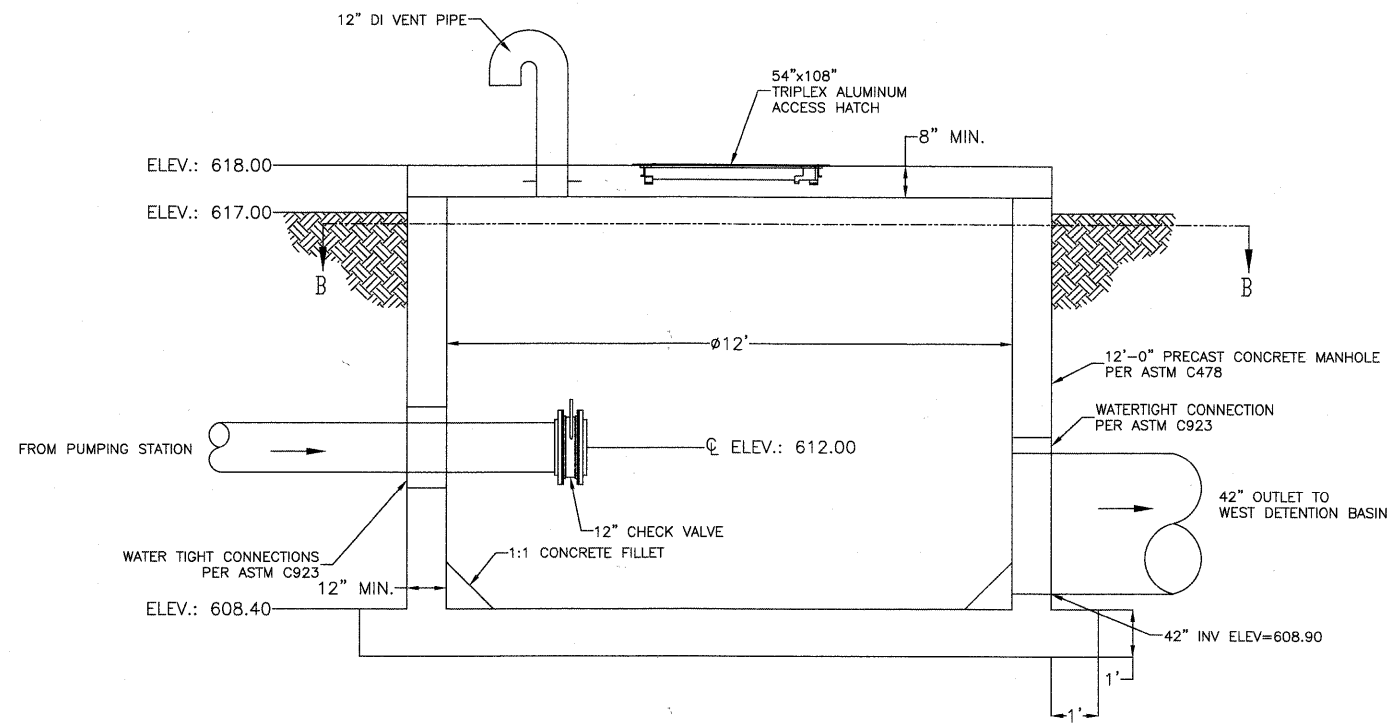
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		CHECKED -- PKB	REVISED --
	PLOT SCALE =	DRAWN -- ACAD	REVISED --
	PLOT DATE = 12/23/10	CHECKED -- ACAD	REVISED --

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

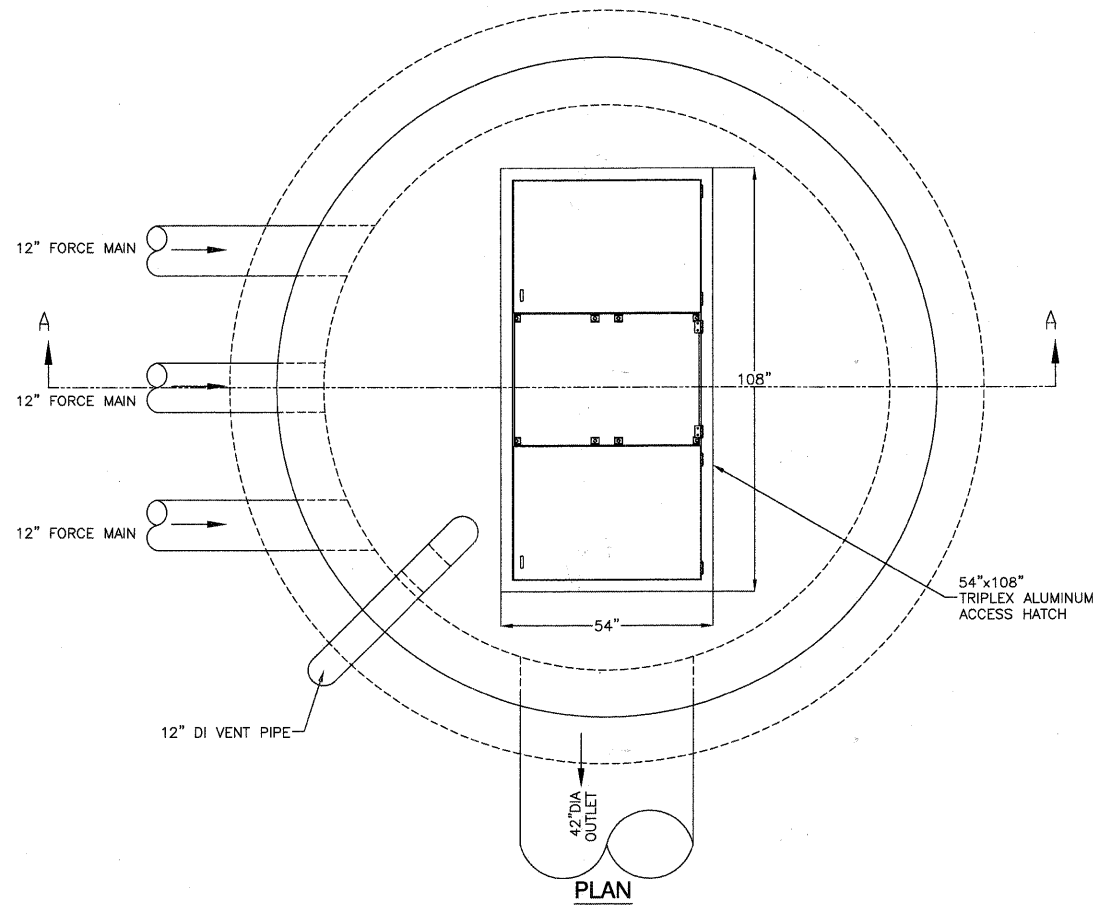
71ST STREET
PUMPING STATION PLAN & ELEVATION

SCALE: 1/2" = 1'	SHEET NO. 90 OF 209 SHEETS	STA. TO STA.	F.A.U. RTE. 1537	SECTION 06-00050-00-GS	COUNTY COOK	TOTAL SHEETS 209	SHEET NO. 90
			CONTRACT NO. 63556				
			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT CRE-9003(709)				

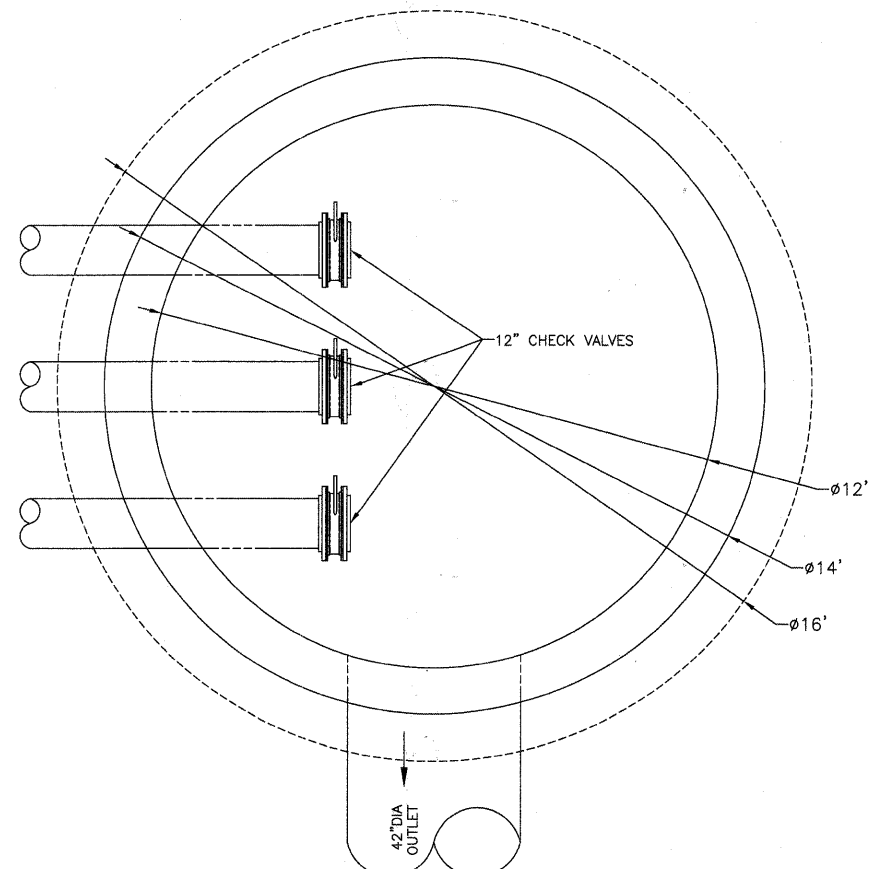
3D DRAWN BY: ROBINSON ON 12/15/10
3D TESTED BY: RICHARD EDWARDS ON 12/15/10



SECTION A-A



PLAN



SECTION B-B

FILE NAME = 09353_02-PLAN-05 - P01

USER NAME =
PLOT SCALE =
PLOT DATE = 12/23/10

DESIGNED — PKB
CHECKED — PKB
DRAWN — ACAD
CHECKED — ACAD

REVISED — REL - 02-09-11
REVISED —
REVISED —
REVISED —

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

71ST STREET

PUMPING STATION DISCHARGE MANHOLE PLAN & ELEVATION

SCALE: 1/2" = 1'

SHEET NO. 91 OF 209 SHEETS

STA. TO STA.

F.A.U.
RTE.
1537

SECTION
06-00050-00-GS

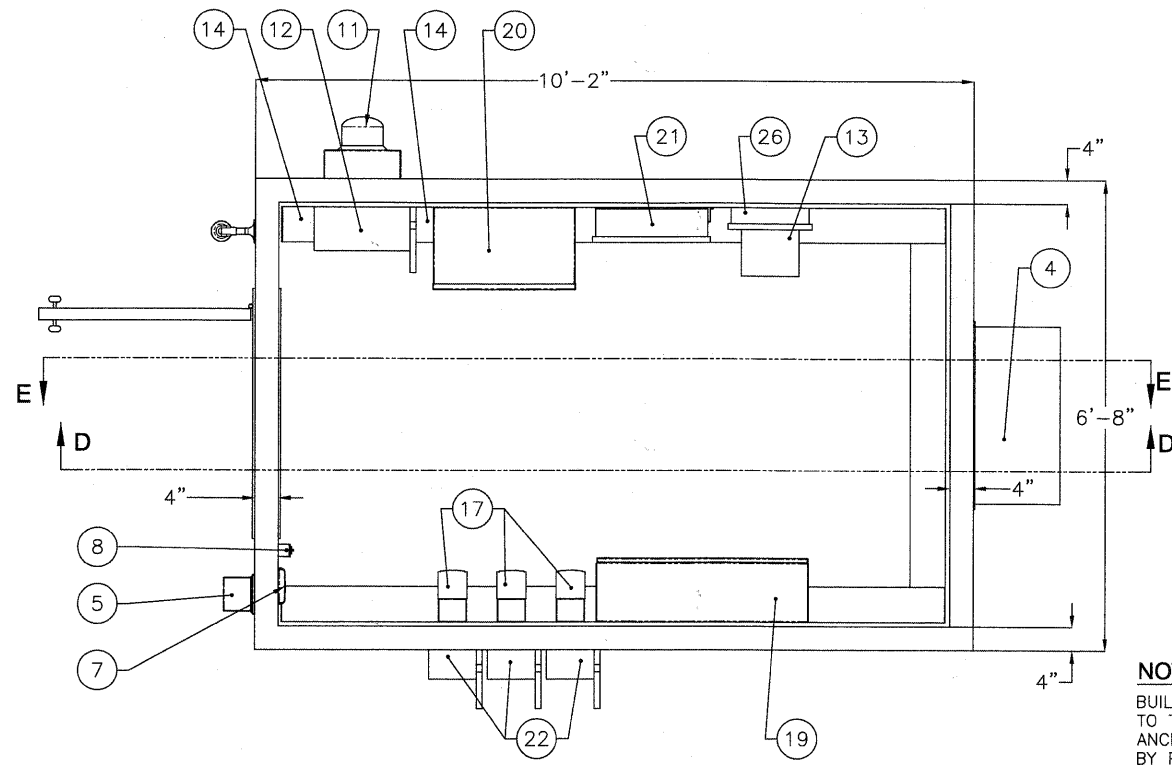
COUNTY
COOK

TOTAL SHEETS
209

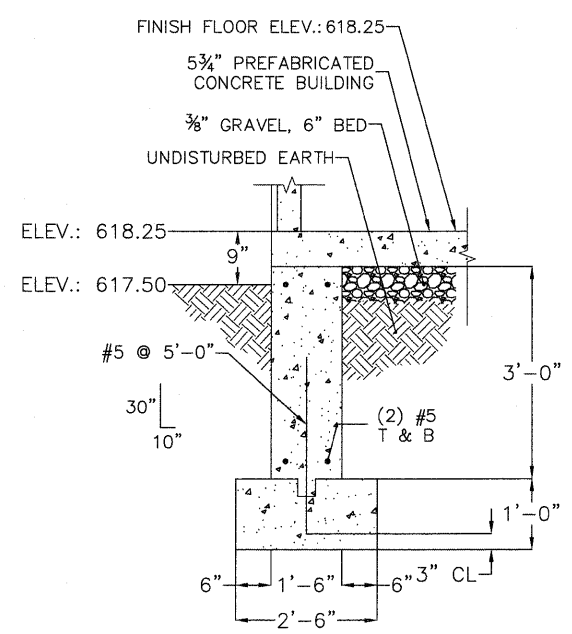
SHEET NO.
91

CONTRACT NO. 63556

FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT CRE-9003(709)



PLAN

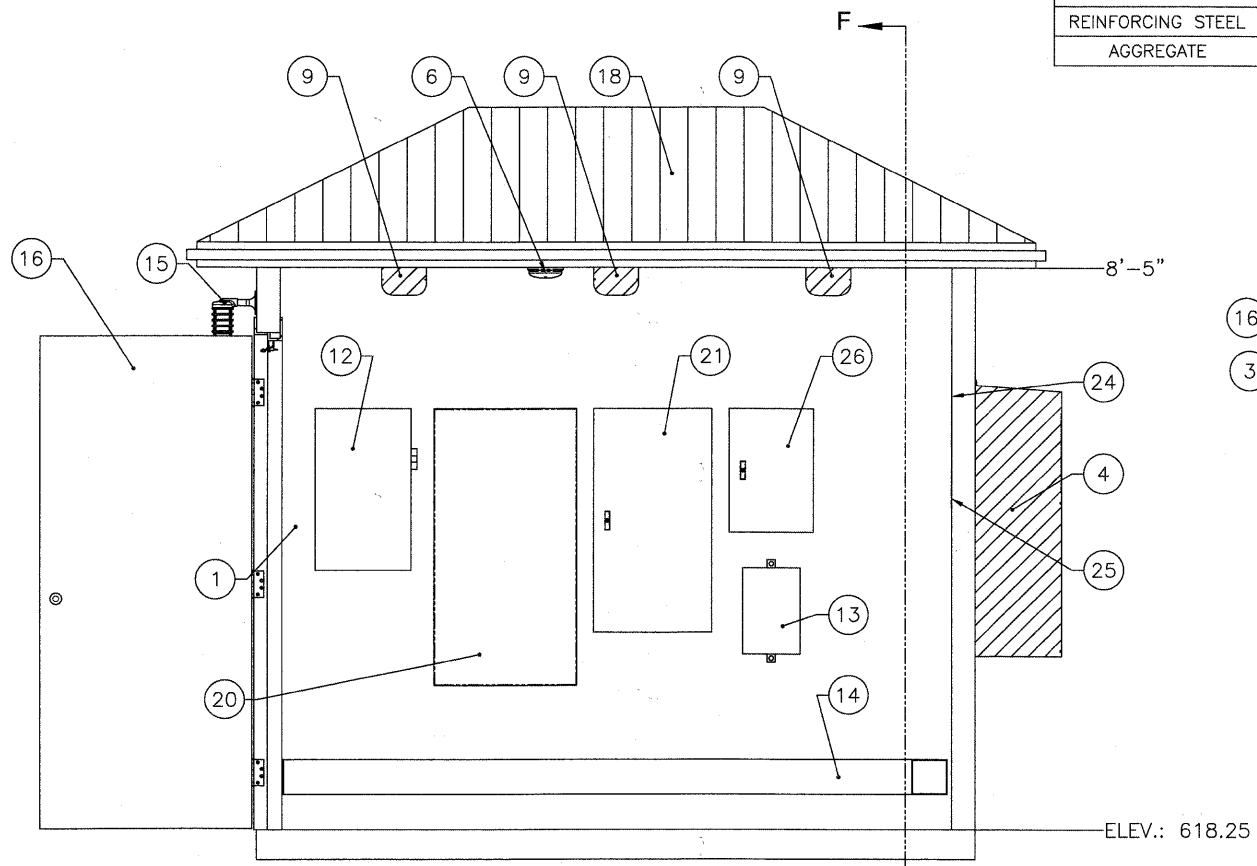


FOUNDATION DETAIL

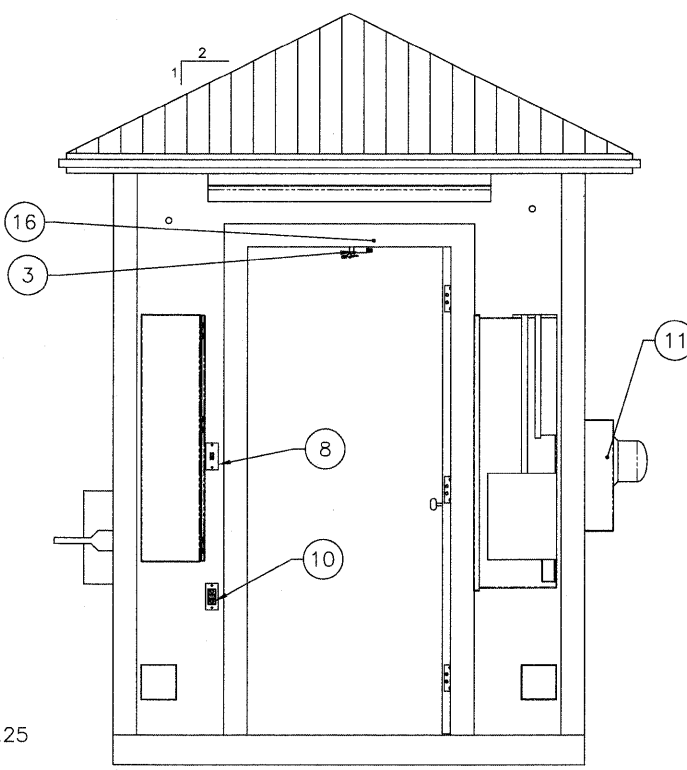
NOTE:
BUILDING SHALL BE ANCHORED TO THE FOUNDATION WITH ANCHOR BOLTS SUPPLIED BY PRECAST MANUFACTURER.

FOUNDATION BILL OF MATERIAL - BUILDING		
ITEM	QUANTITY	DESCRIPTION
CONCRETE	5.4 CU YDS	3000 PSI CONCRETE
REINFORCING STEEL	132 LF(138 LBS)	NO. 5 BARS ASTM A615 (GR40) DEFORMED
AGGREGATE	1.1 CU YDS	FA 1 AGGREGATE

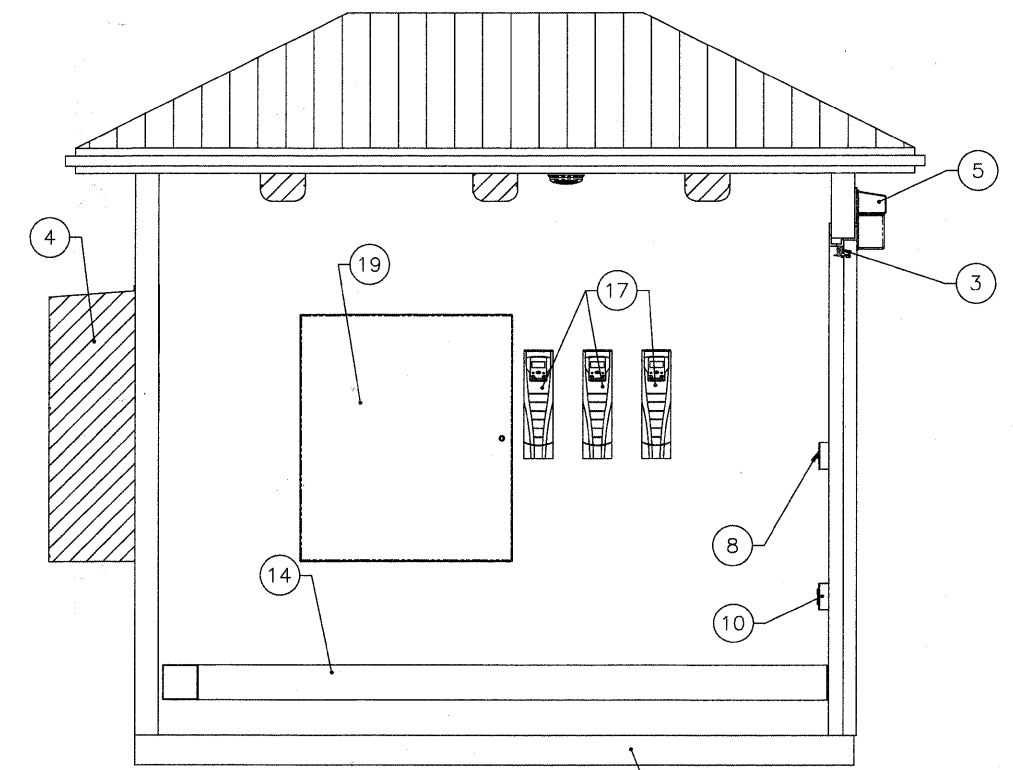
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	BUILDING WALLS		1
2	FLOOR SLAB	5" THICK CONCRETE	1
3	LIMIT SWITCH		1
4	HVAC	1 TON HVAC UNIT	1
5	WALL LIGHT	OUTDOOR - 5MM59	1
6	SMOKE DETECTOR		1
7	THERMOSTAT		1
8	LIGHT SWITCH	115 VAC	1
9	48" FLUORESCENT LIGHT	115 VOLT - SUITABLE FOR DAMP LOCATIONS	3
10	DUPLEX OUTLET	115 VAC	1
11	ELECTRIC METER	277/480 VOLT, 3 PHASE, 4 WIRE, 400 AMP SERVICE	1
12	MAIN DISCONNECT	400 AMP	1
13	10 kVA TRANSFORMER		1
14	WIRING TROUGH		1
15	ALARM LIGHT		1
16	36" x 84" SINGLE DOOR	36" WIDE x 84" TALL	1
17	VFD	40 HP (480 VOLT)	3
18	HIP ROOF	METAL PANEL ROOF	1
19	CONTROL PANEL		1
20	400 AMP ATS		1
21	PANEL BOARD	480 VOLT, 3 PHASE, 400 AMP	1
22	100 AMP LOCAL DISCONNECT	PUMP DISCONNECT	3
24	RG-1	SUPPLY GRILL	1
25	SG-1	RETURN GRILL	1
26	LIGHTING PANEL	SINGLE PHASE, 24 SPACES	1



SECTION D-D



SECTION E-E

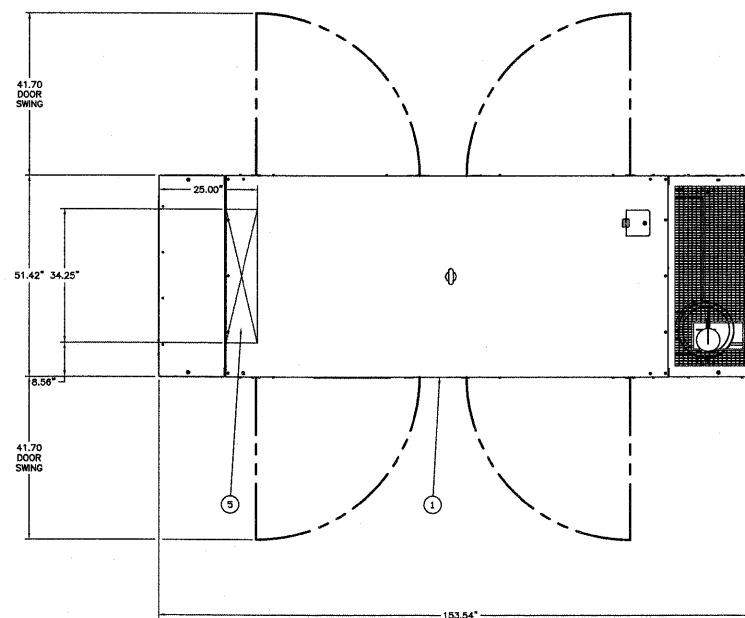


SECTION F-F

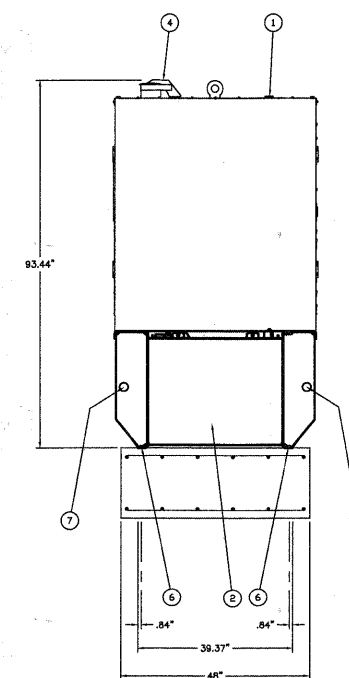
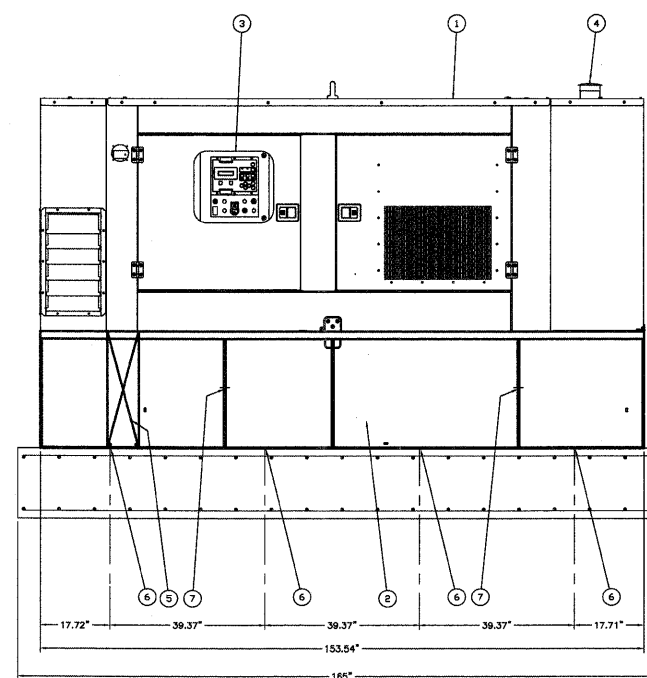
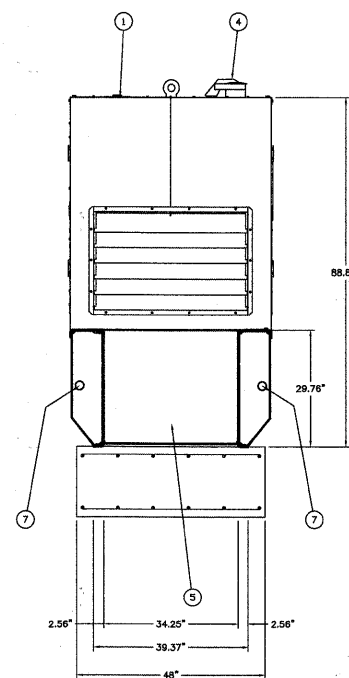
FILE NAME = 09053_02-PLAN-02 - P01	USER NAME =	DESIGNED - PKB	REVISED - REL - 01-14-11	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	71ST STREET		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE =	CHECKED - PKB	REVISED - REL - 02-09-11		PUMPING STATION CONTROL BUILDING PLAN		1537	06-00050-00-GS	COOK	209	92
	PLOT DATE = 12/23/10	DRAWN - PS/LTL	REVISED -		SCALE: 3/4" = 1'		SHEET NO. 92 OF 209 SHEETS		CONTRACT NO. 63556		
		CHECKED - AG	REVISED -		STA. TO STA.		FED. ROAD DIST. NO. 1		ILLINOIS		FED. AID PROJECT CRE-9003(709)

BT SAVED BY: RICHARDS, DN 07/11
CUTTED BY: RICHARD GONDEK ON 2/2/11

FOUNDATION BILL OF MATERIAL - GENERATOR		
ITEM	QUANTITY	DESCRIPTION
CONCRETE	3.1 CU YDS	3000 PSI CONCRETE
REINFORCING STEEL	222 LF(148.3 LBS)	NO. 4 BARS ASTM A615 (GR40) DEFORMED
AGGREGATE	1.0 CU YDS	FA 1 AGGREGATE



ITEM	DESCRIPTION
1	SOUND ATTENUATED ENCLOSURE
2	FCUL2 - 24 HOUR UL-142 FUEL TANKBASE
3	VIEWING WINDOW FOR EMCP 3 CONTROL PANEL
4	EXHAUST OUTLET WITH RAIN CAP
5	ELECTRICAL STUB-UP AREA 34.25" WIDE x 8.00" DEEP
6	CUSTOMER MOUNTING HOLES .53" x .94" SLOTTED HOLES - 4 HOLES PER SIDE
7	LIFTING EYES 2.17"Ø HOLES - 2 LIFTING EYES PER SIDE



FILE NAME = 09353_02-PLAN-03 - P01

USER NAME =
PLOT SCALE =
PLOT DATE = 12/23/10

DESIGNED - PKB
CHECKED - PKB
DRAWN - PS
CHECKED - AG

REVISED - REL - 01-14-11
REVISED - REL - 02-09-11
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

71ST STREET
PUMPING STATION EMERGENCY GENERATOR

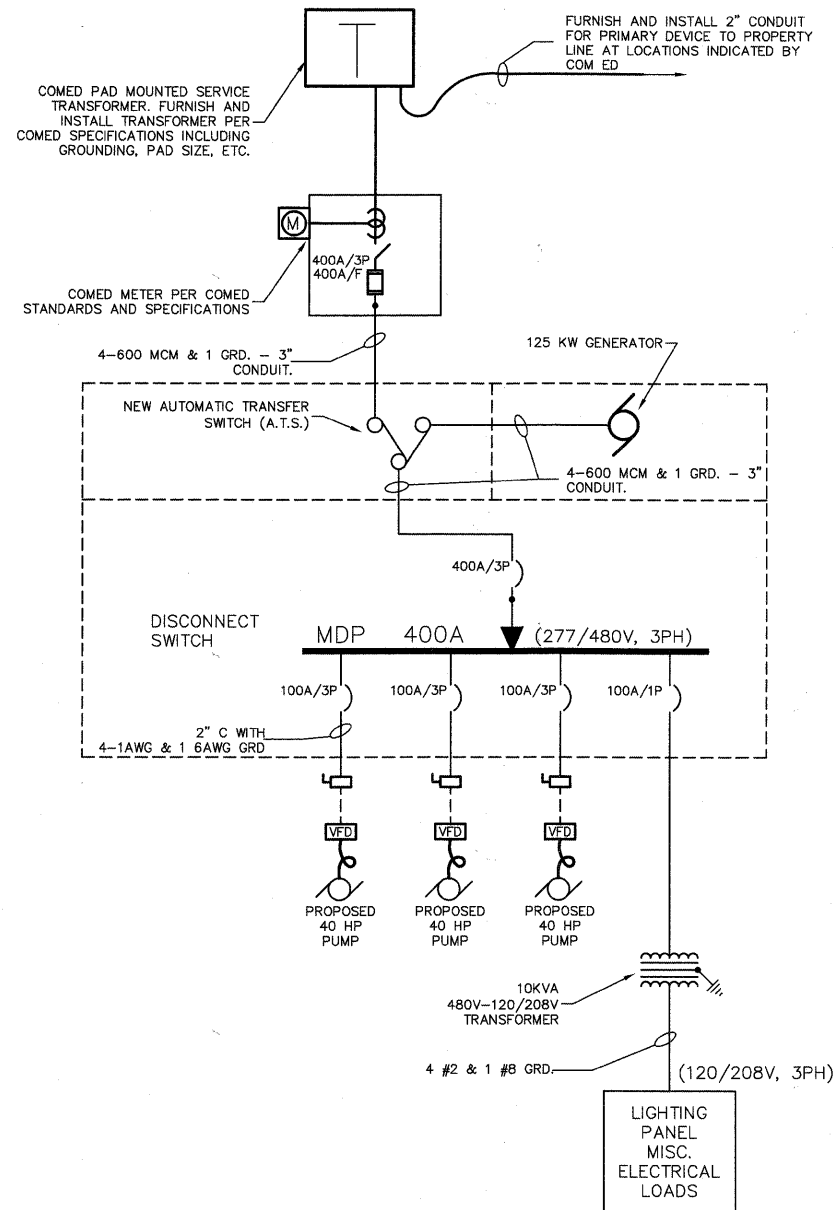
SCALE: 1/2" = 1'

SHEET NO. 93 OF 209 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1537	06-00050-00-GS	COOK	209	93

CONTRACT NO. 63556
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT CRE-9003(709)

ONE-LINE SCHEMATIC RISER DIAGRAM



SPECIFICATIONS

PART 1 - GENERAL

- FURNISH AND INSTALL ALL LABOR AND MATERIALS NECESSARY TO PROVIDE A COMPLETE INSTALLATION OF ALL ELECTRICAL SERVICES AND SYSTEMS INDICATED AND AS MAY BE REQUIRED TO MAKE THE WORK COMPLETE FOR THE PURPOSE INTENDED. LAYOUTS SHOWN ARE DIAGRAMMATIC - INSTALL FIXTURES, DEVICES, EQUIPMENT AND CONDUITS TO MEET ACTUAL FIELD CONDITIONS.
- BIDDING REQUIREMENTS: VISIT SITE PRIOR TO BIDDING TO BE FULLY ACQUAINTED WITH ALL FIELD CONDITIONS AND TO DETERMINE FULL EXTENT OF WORK REQUIRED. COORDINATE NEW INSTALLATIONS WITH EXISTING SYSTEMS. ANY ITEMS NOT SPECIFICALLY INDICATED ON DRAWINGS THAT ARE IN CONFLICT WITH CONTRACT WORK SHALL BE BROUGHT TO THE ATTENTION OF THE DESIGNER PRIOR TO BID FOR A DECISION. BIDDERS SHALL ACQUAINT THEMSELVES WITH THE WORKING CONDITIONS AND REQUIREMENTS OF THE ENTIRE PROJECT, AS ANY CONTRACT FOR THIS WORK WILL BE BASED UPON FURNISHING ALL LABOR AND MATERIALS REQUIRED TO ENTIRELY COMPLETE WORK READY FOR USE.
- CODES: ALL WORK SHALL COMPLY WITH LOCAL, MUNICIPAL, STATE ELECTRICAL CODES. ALL MATERIALS SHALL BE IN COMPLIANCE WITH NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) STANDARDS.
- OBTAIN AND PAY FOR ALL LICENSES, PERMITS AND INSPECTIONS FOR ALL WORK REQUIRED. ALL CERTIFICATES OF INSPECTION SHALL BE DELIVERED TO THE ENGINEER.
- SHOP DRAWINGS TO BE SUBMITTED (SIX COPIES) FOR ALL FIXTURES, EQUIPMENT, DEVICES AND MATERIALS WITHIN 14 DAYS OF CONTRACT AWARDED FOR REVIEW. ANY MINOR CHANGES IN LOCATION FROM THOSE SHOWN ON THE DRAWINGS SHALL BE MADE WITHOUT CHARGE IF SO DIRECTED BY THE ARCHITECT BEFORE INSTALLATION.
- ANY CHANGES IN THE LOCATION OF THE EQUIPMENT, ETC., FROM THOSE SHOWN ON THE DRAWINGS SHALL BE MADE IF SO DIRECTED BY THE OWNER BEFORE INSTALLATION.
- OWNER TRAINING IN THE PROPER OPERATION, MAINTENANCE AND SERVICING OF ALL SYSTEMS IS TO BE PROVIDED. DIGITALLY RECORD (AUDIO AND VIDEO) ALL TRAINING SESSIONS. PROVIDE IN A BOUND FORM TWO (2) SETS OF OPERATIONS, MAINTENANCE AND INSTRUCTION MANUALS, INCLUDING INFORMATION ON SPARE PARTS, LUBRICATION SCHEDULE, WIRING DIAGRAMS, ETC., FOR ALL MATERIALS AND EQUIPMENT. PROVIDE TWO (2) SETS OF ACCURATELY MARKED "AS BUILT" PRINTS, ELECTRONIC FILE OF AS-BUILTS, AND TWO COPIES OF TRAINING SESSION VIDEO (DVD FORMAT). THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE LIFT STATION.
- WARRANTY ANY DEFECTS TO ALL EQUIPMENT. MATERIALS FOR A PERIOD OF ONE (1) YEAR AFTER FINAL ACCEPTANCE OF THE BUILDING BY THE ARCHITECT AND ENGINEER. DEFECTIVE FIXTURES, EQUIPMENT AND MATERIALS SHALL BE REPAIRED OR REPLACED AT NO COST TO THE OWNER. GUARANTEE THAT ALL WORKMANSHIP IS OF HIGH QUALITY AND THAT ALL EQUIPMENT FURNISHED UNDER THIS CONTRACT FULFILLS THE REQUIREMENTS OF THE SPECIFICATIONS. CONDUCT TESTS ON ANY EQUIPMENT FURNISHED WHEN SO REQUESTED BY THE ENGINEER.

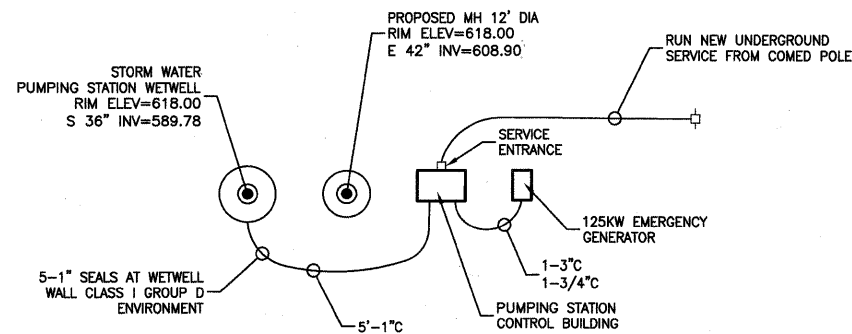
PART 2 - GENERAL COORDINATION - NOT USED

PART 3 - EXECUTION

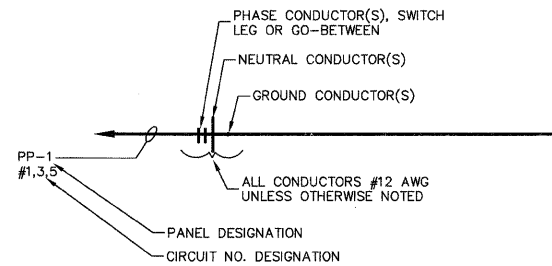
- THE PANEL SCHEDULES ARE PROVIDED FOR ASSISTANCE ONLY IN UNDERSTANDING THE LOADING ON THE VARIOUS CIRCUITS AND THE CIRCUIT DESIGNATIONS DESIRED FOR THE PANEL DIRECTORIES. THE PANEL SCHEDULES MUST BE BALANCED BY THE CONTRACTOR UPON COMPLETION OF THE WORK TO COMPLY WITH CODE. IN ADDITION, THE PANEL SCHEDULES DO NOT IDENTIFY THE TYPES OF CIRCUIT BREAKERS TO BE USED (SUCH AS GFCI, HACR, SHUNT TRIP UNITS, ETC.) NOR DO THE SCHEDULES IDENTIFY ALL CIRCUIT BREAKERS REQUIRED. (SUCH AS C/B'S FEEDING SURGE PROTECTION UNITS). REFER TO THE REST OF THE DRAWINGS AND THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS AND DETAILED INFORMATION.

- COORDINATE ALL EQUIPMENT ELECTRICAL REQUIREMENTS (VOLTAGES, PHASE, LOAD, ETC.) WITH OTHER TRADES TO AVOID CONFLICTS.
- REFER TO PLANS FOR ADDITIONAL ELECTRICAL WORK AND REQUIREMENTS. FURNISH, INSTALL AND LOCATE DISCONNECT SWITCHES AT EQUIPMENT/MOTOR LOCATION, AS REQUIRED, AND IN ACCORDANCE WITH CODE.
- LAYOUT IS DIAGRAMMATIC AND CONTRACTOR SHALL INSTALL DEVICES, CONDUIT AND EQUIPMENT TO MEET ACTUAL FIELD CONDITIONS.
- VISIT SITE PRIOR TO BID TO DETERMINE AND VERIFY ALL EXISTING ELECTRICAL SYSTEMS TO VERIFY QUANTITIES AND LOCATIONS OF EXISTING SYSTEMS TO DETERMINE FULL EXTENT OF DEMOLITION WORK. CONTRACTOR SHALL INCLUDE IN HIS BID ALL NECESSARY MODIFICATIONS TO THE EXISTING CONDITIONS AS REQUIRED, TO ALLOW FOR PROPER INSTALLATION OF HIS WORK. ADJUST INSTALLATIONS TO MEET FIELD CONDITIONS AS REQUIRED FOR A COMPLETE AND PROPER INSTALLATION. ALL EXISTING EQUIPMENT, CONDUIT, PIPING, ETC. SHALL BE REMOVED AS NOTED ON DRAWINGS AND AS REQUIRED TO MEET NEW SCOPE OF WORK.
- ANY HIDDEN CONDITIONS IDENTIFIED THROUGH THE COURSE OF CONSTRUCTION SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER IN WRITTEN FORM FOR REVIEW AND DIRECTION. FAILURE TO DO SO SHALL MAKE THE CONTRACTOR RESPONSIBLE FOR ANY AND ALL REQUIRED CHANGES AND COSTS TO CORRECT SAID HIDDEN CONDITION. ALL EXISTING EQUIPMENT NOT IDENTIFIED SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR REVIEW AS TO WHETHER THE EQUIPMENT SHALL REMAIN AND BE RECONNECTED TO THE NEW SERVICES, BE RELOCATED, BE ABANDONED, ETC.
- ALL EXISTING LIGHTING FIXTURES, ELECTRICAL DEVICES, CONDUIT, ETC., SHALL BE REMOVED AS NOTED ON DRAWINGS AND AS REQUIRED TO MEET NEW SCOPE OF WORK. ALL EXISTING ELECTRICAL EQUIPMENT AND LIGHTING FIXTURES SHALL REMAIN PROPERTY OF THE OWNER AND SHALL BE PROPERLY STORED ON SITE, OR DESIGNATED TO BE ABANDONED AND REMOVED FROM SITE AS DIRECTED BY OWNER.
- EXISTING CIRCUITRY NOT INTERRUPTED BY THE WORK SHALL REMAIN AS IS UNLESS SPECIFICALLY NOTED OTHERWISE.
- EXISTING CIRCUITRY (TO REMAIN) INTERRUPTED BY THE WORK SHALL BE PROPERLY RECONNECTED AS REQUIRED FOR A COMPLETE OPERATING SYSTEM.
- EXISTING CONDUIT MAY BE REUSED (CONTRACTOR'S OPTION) WHEREVER POSSIBLE. REMOVE ALL EXISTING BRANCH CIRCUIT WIRING AND INSTALL NEW AS SHOWN OR AS REQUIRED WHERE CIRCUITS ARE INTERRUPTED AND TO BE EXTENDED TO PANELS.
- DEENERGIZE AFFECTED CIRCUITS AND REMOVE ALL ELECTRICAL EQUIPMENT, DEVICES, FIXTURES, CONDUIT, WIRING, ETC. CAREFULLY REMOVE ALL ITEMS.
- DISCONNECT ELECTRICALLY OPERATED EQUIPMENT WHERE REMOVAL BY ANOTHER CONTRACTOR IS REQUIRED.
- PROVIDE ALL LIGHTING FIXTURES OF THE TYPE, QUALITY, FINISH AND MANUFACTURER SHOWN ON DRAWINGS. ALL FLORESCENT FIXTURES SHALL MEET NEMA CLASS "P" BALLAST REQUIREMENTS.
- PROVIDE ALL LAMP HOLDERS WITH THE PROPER SIZE AND TYPE LAMP AND AS SHOWN ON THE DRAWINGS. ALL LAMPS TO BE SYLVANIA OR GENERAL ELECTRIC. ALL LAMPS SHALL BE AS RECOMMENDED BY FIXTURE MANUFACTURER. NO LAMPS THAT HAVE BEEN USED DURING CONSTRUCTION OF THE BUILDING SHALL BE ACCEPTED. ALL LAMPS SHALL BE NEW AND INSTALLED, PRIOR TO SUBSTANTIAL COMPLETION AS DIRECTED BY THE ENGINEER.
- PROVIDE PROPER AND SUFFICIENT SUPPORT FOR ALL FIXTURES AS REQUIRED FOR THE TYPE OF CEILING CONSTRUCTION.
- MINIMUM CONDUIT SIZE SHALL BE 1/2" EMT; MINIMUM IMC OR RIGID H.W. CONDUIT SIZE TO BE 3/4". (VERIFY WITH LOCAL GOVERNING CODES PRIOR TO INSTALLATION.)
- ALL COUPLINGS AND CONNECTORS SHALL BE GLAND OR SET SCREW TYPE.
- MINIMUM WIRE SIZE SHALL BE #12 THWN (OR THHN) SOLID COPPER; OVER 75' RUNS SHALL BE MINIMUM #10 THWN COPPER UNLESS NOTED OTHERWISE ON THE PLANS.
- PROVIDE PROPER AND SUFFICIENT GROUND CONNECTION FOR ALL ELECTRICAL DEVICES AND EQUIPMENT. ALL CONDUIT CONNECTIONS SHALL BE DRAWN UP TIGHT AND SECURE.
- WIRE SPLICES AND JOINTS SHALL BE MECHANICALLY AND ELECTRICALLY PERFECT. TWISTED SPLICES AND JOINTS SHALL BE DRAWN UP TIGHT AND FITTED WITH PROPER SIZED SCOTCHLOK OR IDEAL ELECTRICAL SPRING CONNECTORS.
- SOLDERLESS CONNECTORS AND LUGS SHALL BE USED ON ALL WIRES AND CABLES #6 AND LARGER. ALL SPLICES AND JOINTS #6 AND LARGER SHALL BE TIGHTLY TAPED WITH BEST GRADE TAPE OF A HIGH GRADE VINYLITE PLASTIC TO AN INSULATION VALUE EQUIVALENT OR IN EXCESS OF THAT OF THE WIRE INSULATION.
- ALL SURFACE MOUNTED PULL BOXES, OUTLET BOXES, ETC., SHALL HAVE SUPPORTS INDEPENDENT OF CONDUIT SYSTEM AND SECURELY ANCHORED TO THE STRUCTURE. THE ENTIRE CONDUIT SYSTEM SHALL BE INDEPENDENTLY SUPPORTED FROM STRUCTURE. NO CONDUITS SHALL BE SUPPORTED FROM THE VENTILATING DUCTS, MECHANICAL PIPING OR THEIR HANGERS.
- WHERE INDICATED ON THE DRAWINGS IN UNFINISHED SPACES, RUN EXPOSED RACEWAYS PARALLEL WITH OR AT RIGHT ANGLES TO WALL.
- PROVIDE PULL WIRE IN EACH RACEWAY IN WHICH WIRING IS NOT INSTALLED.
- WIRE COLOR CODING SHALL BE COORDINATED THROUGHOUT THE ENTIRE PROJECT/BUILDING FOR NEW AND EXISTING SYSTEMS.
- IF MORE THAN THREE (3) PHASE (UNGROUND) CONDUCTORS ARE RUN IN THE SAME RACEWAY, CONDUCTOR AMPACITY SHALL BE DERATED IN ACCORDANCE WITH NEC ARTICLE 310.
- PROVIDE A COMPLETE ELECTRICAL SERVICE AS INDICATED ON THE DRAWINGS OR REQUIRED.
- PROVIDE NAMEPLATES AND DIRECTORIES FOR ALL PANELBOARDS.
- PROVIDE GROUND FAULT INTERRUPTER DEVICES AND CIRCUITS AS REQUIRED BY LOCAL CODE AUTHORITIES.
- VERIFY ALL EXISTING AND NEW MECHANICAL, ELECTRICAL, FIRE PROTECTION SYSTEMS AND MEDICAL GAS SERVICES PRIOR TO START OF NEW CONSTRUCTION. COORDINATE AND ADJUST NEW WORK AS REQUIRED TO AVOID CONFLICTS WITH EXISTING SERVICES AND NEW SERVICES PROVIDED BY OTHERS.
- FURNISH AND INSTALL A GREEN GROUND WIRE IN ALL POWER CONDUITS. ALL DEVICES, EQUIPMENT, FIXTURES AND THE LIKE, MUST BE GROUNDED. MECHANICAL/ELECTRICAL BONDS OF THE METALLIC RACEWAY SYSTEM SHALL BE MAINTAINED.

ELECTRICAL SITE LAYOUT



KEY TO ELECTRICAL CIRCUIT WIRING



- NOTES:**
- ALL WIRING SHALL BE #12 AWG, UNLESS OTHERWISE NOTED.
 - MINIMUM CONDUIT SIZE SHALL BE 3/4" EXCEPT FOR THREE (3) WIRES OR LESS, OR CONTROL WIRING WITHIN BUILDINGS, WHICH MAY BE 1/2" CONDUIT.
 - 1/2" FLEXSTEEL, GREENFIELD OR SEALITE SHALL BE THE MINIMUM SIZE INSTALLED.

FILE NAME = 09353_02-PLAN-04 - P01

USER NAME =	DESIGNED -- PKB	REVISED -- REL - 02-09-11
PLOT SCALE =	CHECKED -- PKB	REVISED --
PLOT DATE = 12/23/10	DRAWN -- PS	REVISED --
	CHECKED -- AG	REVISED --

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

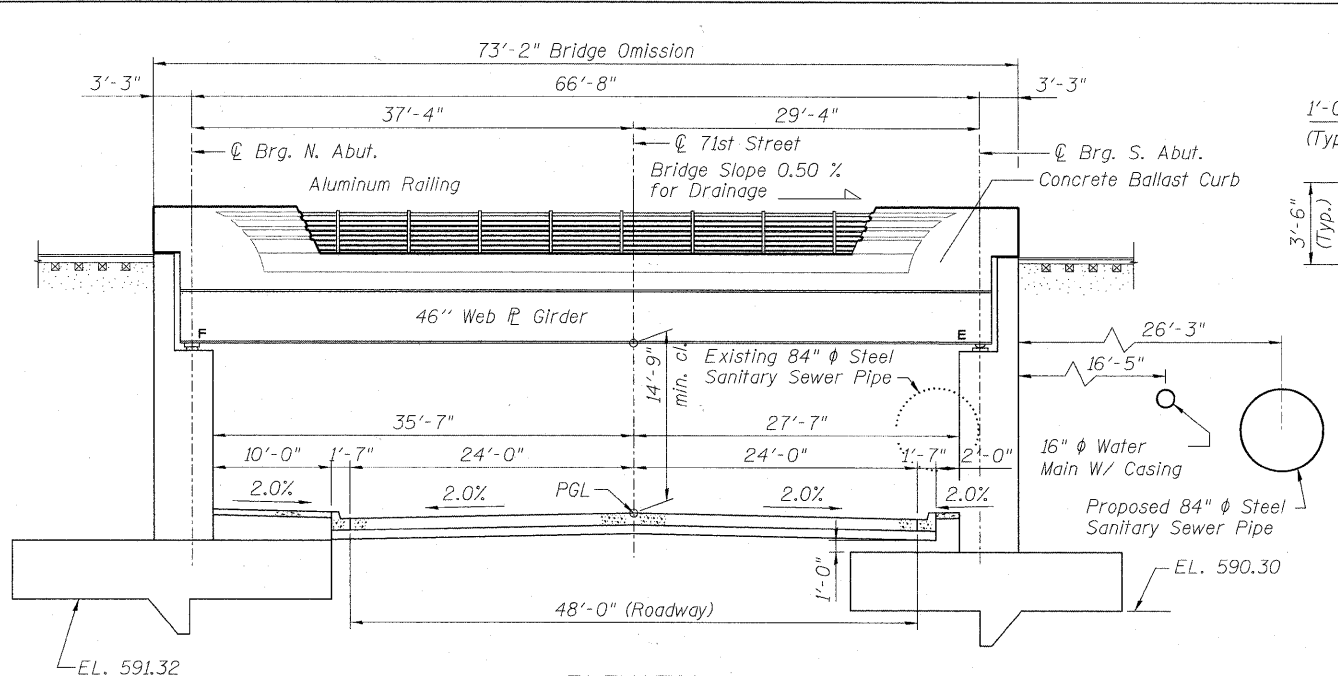
71ST STREET

PUMPING STATION ELECTRICAL SCHEDULE

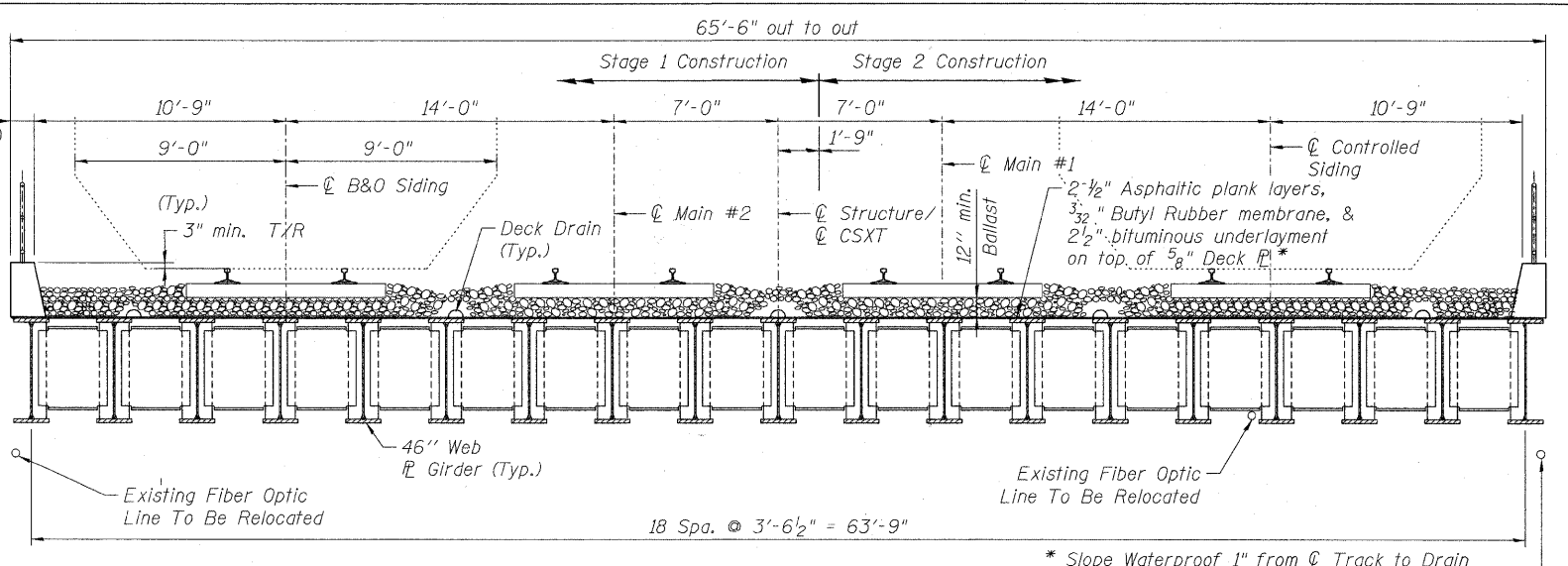
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1537	06-00050-00-GS	COOK	209	94
CONTRACT NO. 63556				

SCALE: NONE SHEET NO. 94 OF 209 SHEETS STA. TO STA.

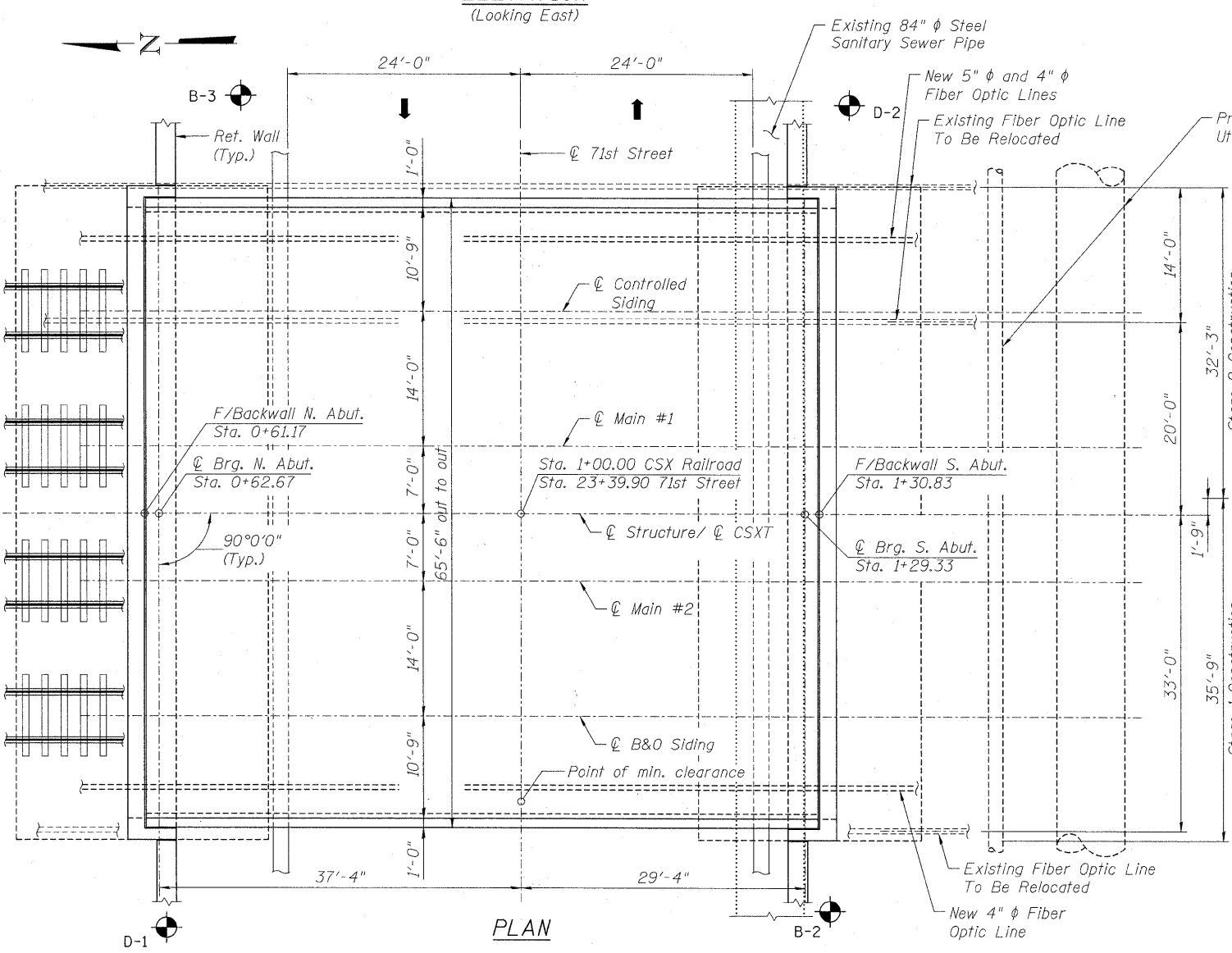
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT CRE-9003(709)



ELEVATION
(Looking East)

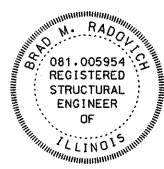


TYPICAL SECTION THRU SUPERSTRUCTURE
(Looking North)



PLAN

BENCH MARK
 BVW249 Square cut on north concrete base of RR signal mast arm base on south row of 71st Street, 1/2 mile west of Harlem Ave. Elev. = 620.57'.
 Existing Structure: None.

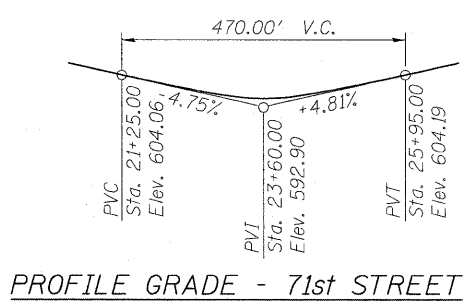


Brad M. Radovich March 16, 2011
BRAD M. RADOVICH DATE
LICENSE EXPIRES 11/30/2012
SHEET RANGE SHEETS 95-163

"I certify that to the best of knowledge, information and belief, this bridge/box culvert design is structurally adequate for the design loading shown on the plans. The design is an economical one for the style of structure and complies with requirements of the current AREMA "Manual for Railway Engineering."

HIGHWAY CLASSIFICATION

CSX Railroad 71st Street
 Class: Railroad Class: Local Street
 DHV: 735 (2030)
 ADT: 4,400 (2008)
 ADT: 7,000 (2030)
 ADTT: 1,100 (2030)
 Design speed: 35 mph
 Posted speed: 35 mph
 Two-Way Traffic
 Directional
 Distribution 50:50



PROFILE GRADE - 71st STREET

TOP OF RAIL ELEV. - CSX R.R.
(All tracks have the same elevations and grade)

DESIGN SPECIFICATIONS

American Railway Engineering & Maintenance-of-Way Association (AREMA) Manual for Railway Engineering, 2009.
 IDOT Standard Specifications for Road and Bridge Construction, Current Edition.
 CSX Criteria for Ballast Deck Railroad Bridges, October 1, 1999.
 2002 AASHTO - Standard Specifications for Highway Bridges. (Retaining Walls)

DESIGN STRESSES

FIELD UNITS
 f'c = 3,500 psi (retaining walls)
 f'c = 4,000 psi (substructure)
 f'c = 5,000 psi (superstructure)
 fy = 60,000 psi (reinforcement)
 fy = 50,000 psi (struct.) (ASTM A709 Grade 50)

PRECAST UNITS

f'c = 5,000 psi

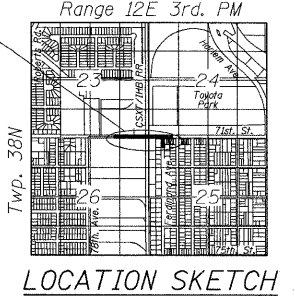
LOADING

Superstructure: Cooper E80 Live Load plus Impact for equipment without hammer blow.
 Substructure: Cooper E80 Loading without Impact per AREMA.
 Allow for future addition of 12" ballast.
 Service Load Design

SEISMIC DATA

Seismic Performance Category (SPC) = A
 Bedrock Acceleration Coefficient (A) = 0.04g
 Soil Coefficient = 1.0

Railroad Crossing ID: 163 586 J
 Milepost DIH: 25.83



LOCATION SKETCH

FILE NAME = P:\60155877\0102_CAD\01_Drawing\Sheets\Structure\016-7721_IDOT_1601_GenPlan.dwg



USER NAME = kritzm
 PLOT SCALE = 8 1/2" / 1"
 PLOT DATE = 3/15/2011

DESIGNED - BMR
 DRAWN - CQM
 CHECKED - DD
 DATE - 11/23/2010

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN & ELEVATION
STRUCTURE NO. 016-7721

SCALE: SHEET NO. 1 OF 65 SHEETS STA. TO STA.

F.A.U. RTE. 1537	SECTION 06-00050-00-GS	COUNTY COOK	TOTAL SHEETS 209	SHEET NO. 95
CONTRACT NO. 63556			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT CRE-90037091	

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- 5 South Abutment Reinforcement
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- 7 North Abutment Reinforcement
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- 65 Soil Boring Logs

GENERAL NOTES

CAST-IN-PLACE CONCRETE

All exposed concrete edges shall have a $\frac{3}{4}$ " x 45° chamfer, except where shown otherwise. Chamfer on vertical edges shall be continued a minimum of one foot below finished ground level.

9" PVC waterstrips shall be provided in all vertical or horizontal construction joints, unless noted otherwise.

REINFORCING BARS

Reinforcement bars, including epoxy coated reinforcement bars, shall conform to the requirements of ASTM A615, A616 or A185 Grade 60, deformed bars.

Cover from the face of concrete to face of reinforcement bars shall be 3" for surfaces formed against earth and 2" for all other surfaces unless otherwise shown.

Reinforcement bar bending dimensions are out to out.

Reinforcement bending details shall be in accordance with the "Manual of Standard Practice for Detailing Reinforced Concrete Structures," ACI 315, latest edition.

Reinforcement bars designated "(E)" shall be epoxy coated.

Reinforcement bar splices for f'c=4,000 psi concrete shall be in accordance with the AREMA Manual for Railway Engineering unless shown otherwise on the drawing.

Lap Splices		
Bar Size	Minimum Lap (in.)	Min. Development Length (in.)
#4	24	14
#5	29	17
#6	33	21
#7	45	26
#8	59	35
#9	74	44
#10	94	55
#11	116	68

Top bar lap splices and development length shall be multiplied by 1.4.

STRUCTURAL STEEL

All structural steel shall be ASTM A709 Grade 50, except where otherwise noted. Notch toughness resistant (N.T.R.) steel elements are designated on the plans.

The main load carrying member components subject to tensile stress shall conform to the supplemental requirements for notch toughness zone 2. These components are the tension flanges, webs and all splice plate material of the steel girders. These requirements conform to AREMA Table 15-1-2, Zone 2.

Fasteners shall be high strength bolts ASTM A325 $\frac{7}{8}$ " diameter, holes $\frac{15}{16}$ " diameter, unless otherwise noted. Turn-of the Nut method to be used for installation of bolts.

Calculated weight of Structural Steel = 899,300 pounds.

Field welding will not be permitted to the steel bridge beams or girders unless shown on the plans. Field welding in other areas will be permitted only when approved by the Engineer.

CONSTRUCTION

Do not scale dimensions for construction, scale applies only to full size drawings.

No construction joints except those shown on the plans will be allowed unless approved by the Engineer.

Temporary sheeting, bracing or cofferdams shall be constructed as required for the excavation to protect the adjacent areas from settling or falling into the excavated areas. This work, shall be incidental to Structure Excavation, except where indicated otherwise.

The Contractor shall make allowance for the deflection of forms, shrinkage and settlement of falsework, in addition to allowance for dead load deflection.

An application of sealant shall be applied to the surfaces of all abutment seats.

Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of $\frac{1}{8}$ ". Adjustment shall be made either by grinding the surface or by shimming the bearing. One $\frac{1}{8}$ " adjusting shim of the dimensions of the bottom bearing plate, shall be provided for each bearing in addition to all other plates or shims.

Elevations shown on the plans are based on available information. Contractor shall verify elevations prior to erection and any discrepancies shall be brought to the attention of the Engineer.

Plan dimensions and details relative to existing features have been taken from existing plans and are subject to nominal construction variations. It shall be the Contractor's responsibility to verify such dimensions and details in the field and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in the scope of work. However, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

Construction joints shown in the retaining walls and retaining wall caps and face walls shall be placed in an alternating sequence utilizing the construction and expansion joints.

The inorganic-zinc rich acrylic/acrylic paint system shall be used for shop and field painting of structural steel except where otherwise noted. The color of the acrylic finish coat shall be as determined by the Engineer.

Where protective surface treatment is specified, it shall conform to the requirements of Section 503.19 of the Standard Specifications. Measurement and payment shall conform to the requirements of Section 503 of the Standard Specifications, under the item "Protective Coat."

Allowable soil bearing pressure at abutments = 3.5 tons per square foot.

Construction shall be in accordance with IDOT Standard Specifications for Road and Bridge Construction and Special Provisions, and CSXT Specifications contained there in.

TOTAL BILL OF MATERIAL

Item	Unit	Super	Sub	Total
CONCRETE STRUCTURES	CU. YD.	28	2,364	2,392
FURNISHING AND ERECTING STRUCTURAL STEEL	L SUM	1		1
STUD SHEAR CONNECTORS	EACH		8,521	8,521
UNTREATED TIMBER LAGGING	SQ FT		24,189	24,189
REINFORCEMENT BARS, EPOXY COATED	POUND	3,760	275,700	279,460
PRECAST CONCRETE BACKWALLS	CY YD		67	67
BAR SPLICERS	EACH		320	320
GEOCOMPOSITE WALL DRAIN	SQ. YD.		3,228	3,228
PROTECTIVE COAT	SQ. YD.		1,974	1,974
PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT		1,879	1,879
DRILLING AND SETTING SOLDIER PILES (IN SOIL)	CU FT		77,120	77,120
CONSTRUCTION OF JUMP SPANS	L SUM		1	1
TEMPORARY SOIL RETENTION SYSTEM	SQ FT		450	450
STRUCTURE EXCAVATION	CU YD		2,398	2,398
POROUS GRANULAR EMBANKMENT, SPECIAL	CU YD		1,842	1,842
MEMBRANE WATERPROOFING	SQ FT	5,230		5,230
FORM LINER TEXTURED SURFACE	SQ FT		28,800	28,800
BALLAST DRAINS	LIN FT	375		375
PEDESTRIAN RAIL (SPECIAL)	FOOT	150		150
NAME PLATE	EACH		1	1
ALUMINUM RAILING, TYPE L	LIN FT		1,700	1,700
FURNISHING SOLDIER PILES (W Section)	FOOT		7,361	7,361
STEEL BEARING ASSEMBLY	EACH		19	19
ANCHOR BOLTS 1 1/2 IN DIAMETER	EACH		76	76
ANCHOR BOLTS 1 1/4 INCH DIAMETER	EACH		38	38

Furnishing Soldier Piles		
Item	Unit	Total
W21x101	Foot	1301
W21x147	Foot	352
W21x201	Foot	928
W21x282	Foot	1248
W21x302	Foot	3532
Total	Foot	7361

71ST. STREET
 BUILT BY
 VILLAGE OF BRIDGEVIEW
 SEC 06-00050-00-GS
 F.A.U. RTE. 1537 STA. 23+40
 STR. NO. 016-7721 LOADING E80

NAME PLATE
 See Std. 515001

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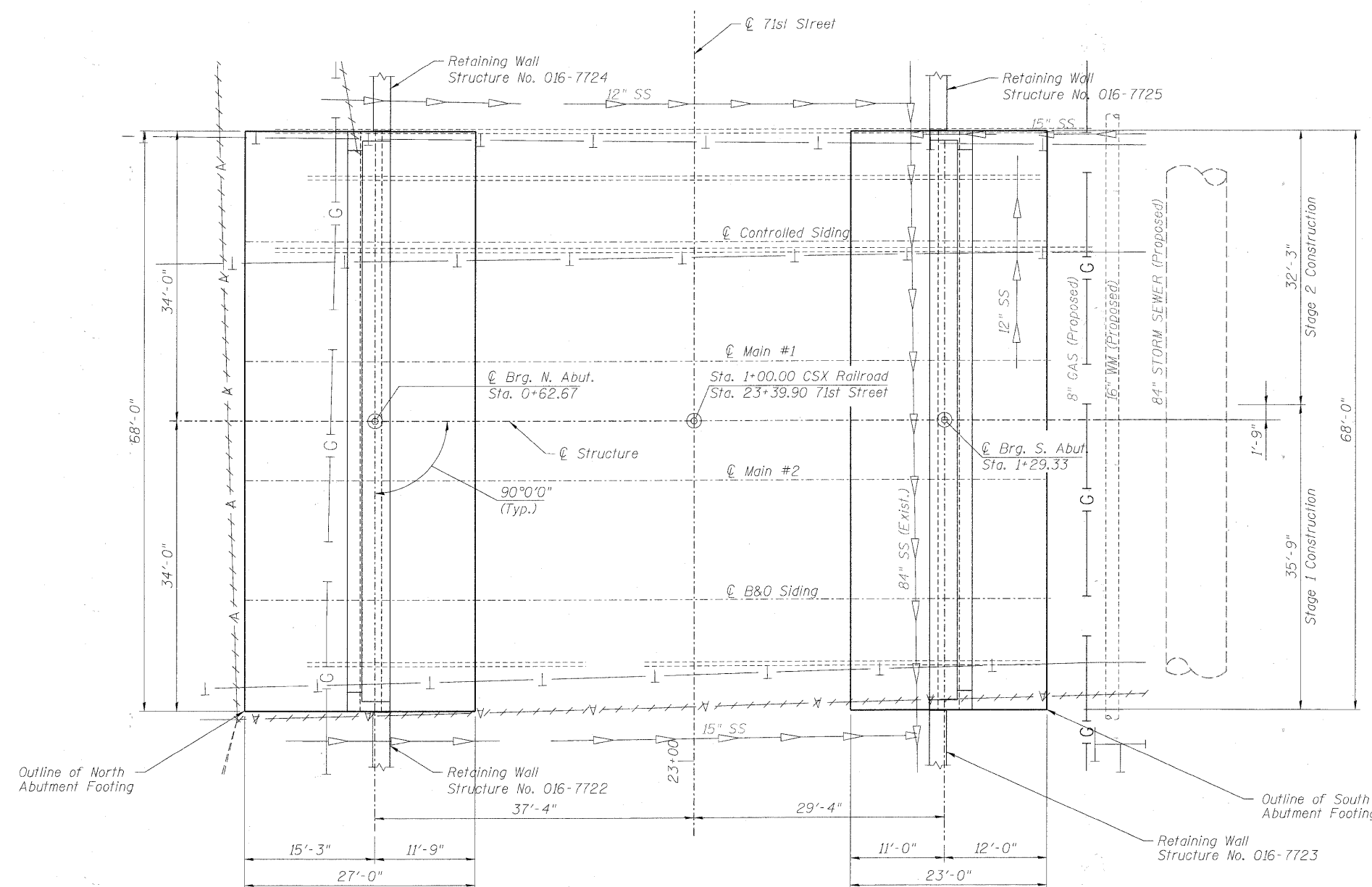
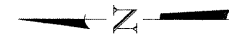


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	DATE = 11/23/2010	REVISED =

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES AND INDEX OF DRAWINGS
 STRUCTURE NO. 016-7721

F.A.U. RTE. 1537	SECTION 06-00050-00-GS	COUNTY COOK	TOTAL SHEETS 209	SHEET NO. 96
SCALE: NONE		SHEET NO. 2 OF 65 SHEETS		STA. _____ TO STA. _____
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	CR-90037091



BRIDGE FOUNDATION LAYOUT

Notes:

1. For Prop. 84" Storm Sewer See Utility Drawings.
2. For Drainage and Utility (Exist. and Prop.) See Drainage Drawings.
3. For Water Main See Utility Drawings.
4. For Retaining Wall Details See Sheets No. 23 thru 56 of 65.
5. Utilities shown are for information from records available. See Utility Drawings. Locations are Approximate and should be verified.
6. Allowable Soil Bearing Pressure at Abutments = 3.5 tons per square foot. (Verify in Field)

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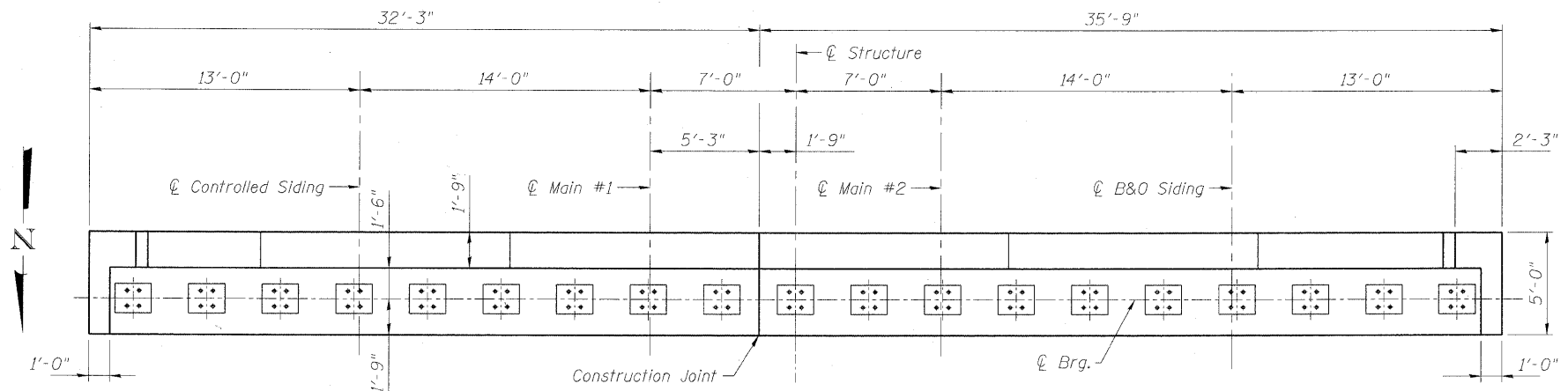


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	DATE - 11/23/2010	REVISED -

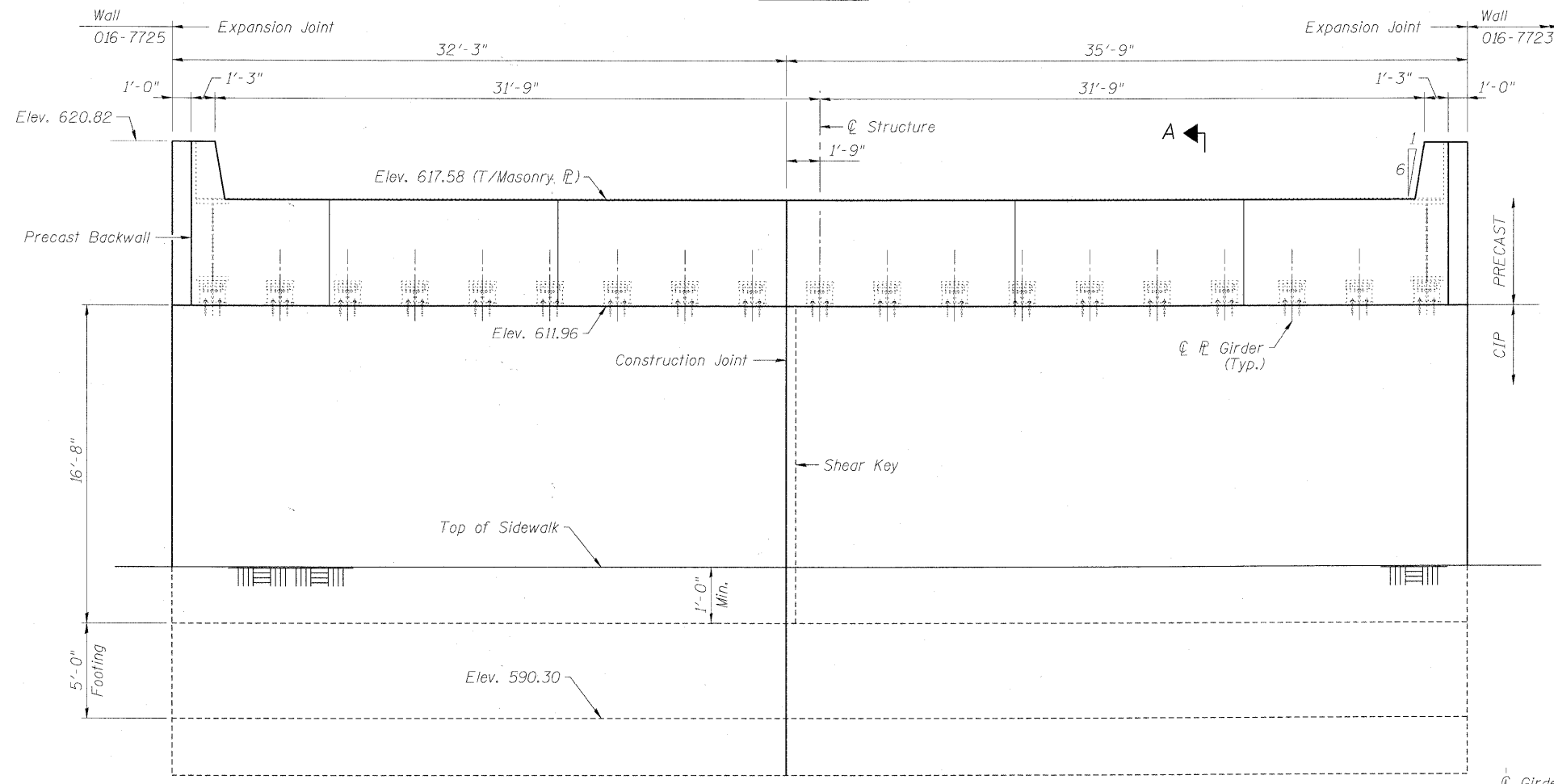
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

FOUNDATION LAYOUT		
STRUCTURE NO. 016-7721		
SCALE: NONE	SHEET NO. 3 OF 65 SHEETS	STA. TO STA.

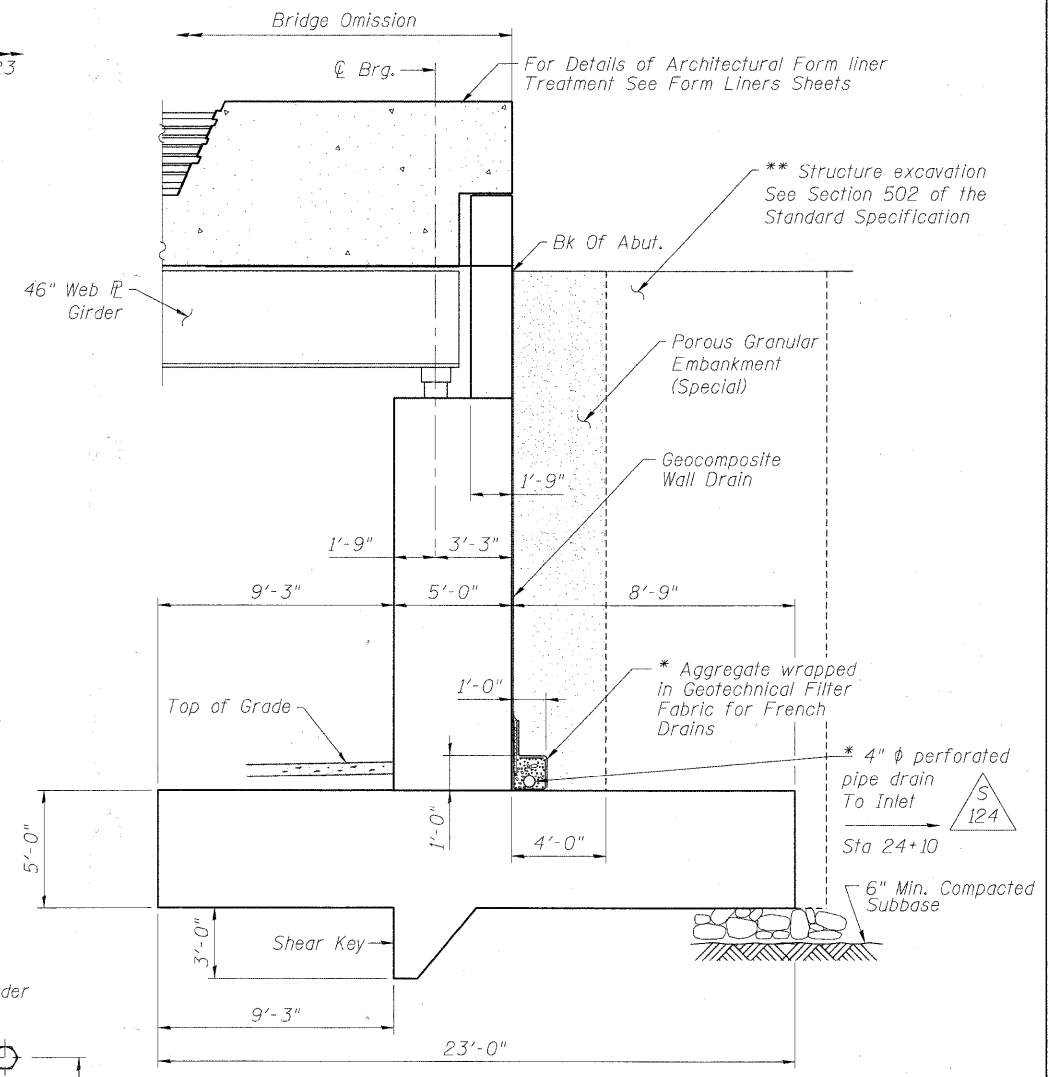
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1537	06-00050-00-GS	COOK	209	97
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT CRE-900317091			CONTRACT NO. 63556	



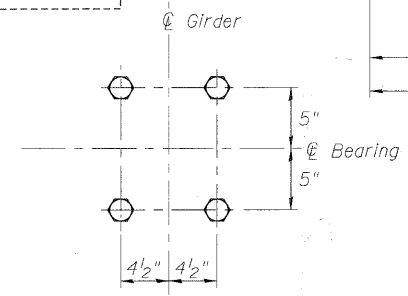
TOP PLAN



SOUTH ABUTMENT ELEVATION



SECTION A-A



ANCHOR BOLT LAYOUT

- Notes:
1. For Form Liner Rustification Details, See Architectural Sheets.
 2. For Bar Splicer Details, See Sheet No. 9 of 65.
 3. For Precast Backwall Details, See Sheet No. 8 of 65.
 4. For Steel Masonry Plate Details, See Sheet No. 8 of 65.
 5. Provide 3" x 1'-6" shear key at abutment stem construction joint.
 6. Roughen surfaces of horizontal construction joints (typ.).
 7. Pipe Underdrain to connect to Catch Basin. See Drainage Drawings.

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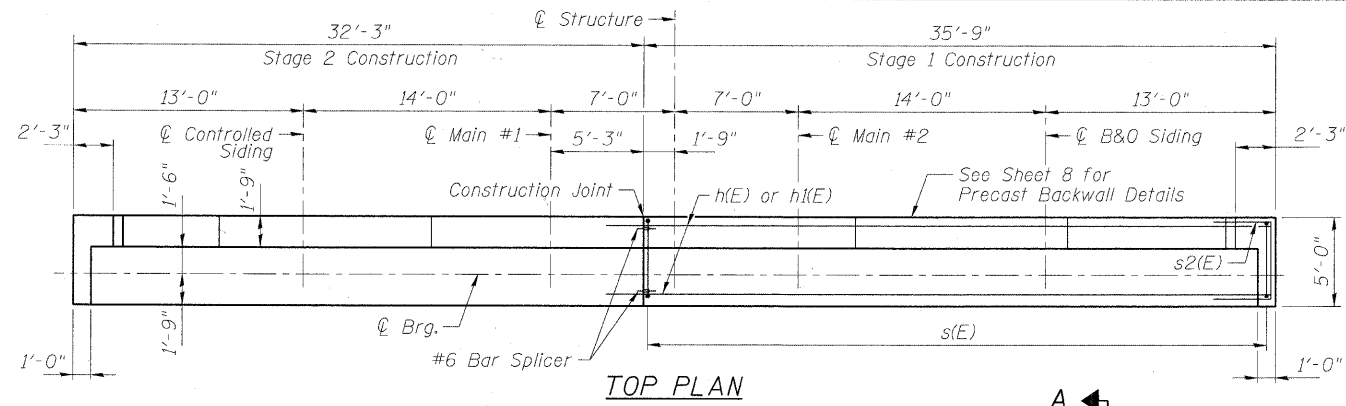
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DATE = 11/23/2010	REVISIONS -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

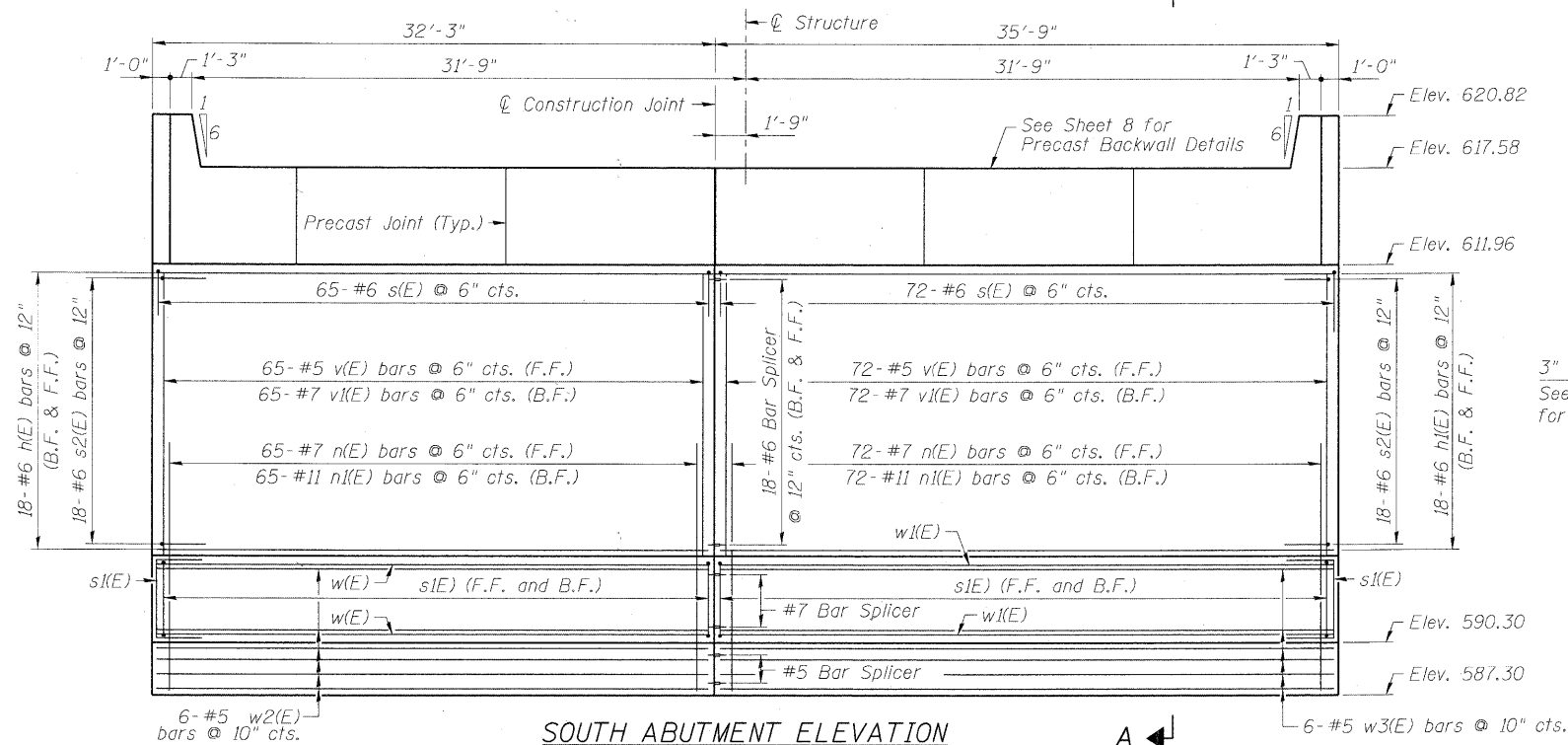
SOUTH ABUTMENT
STRUCTURE NO. 016-7721

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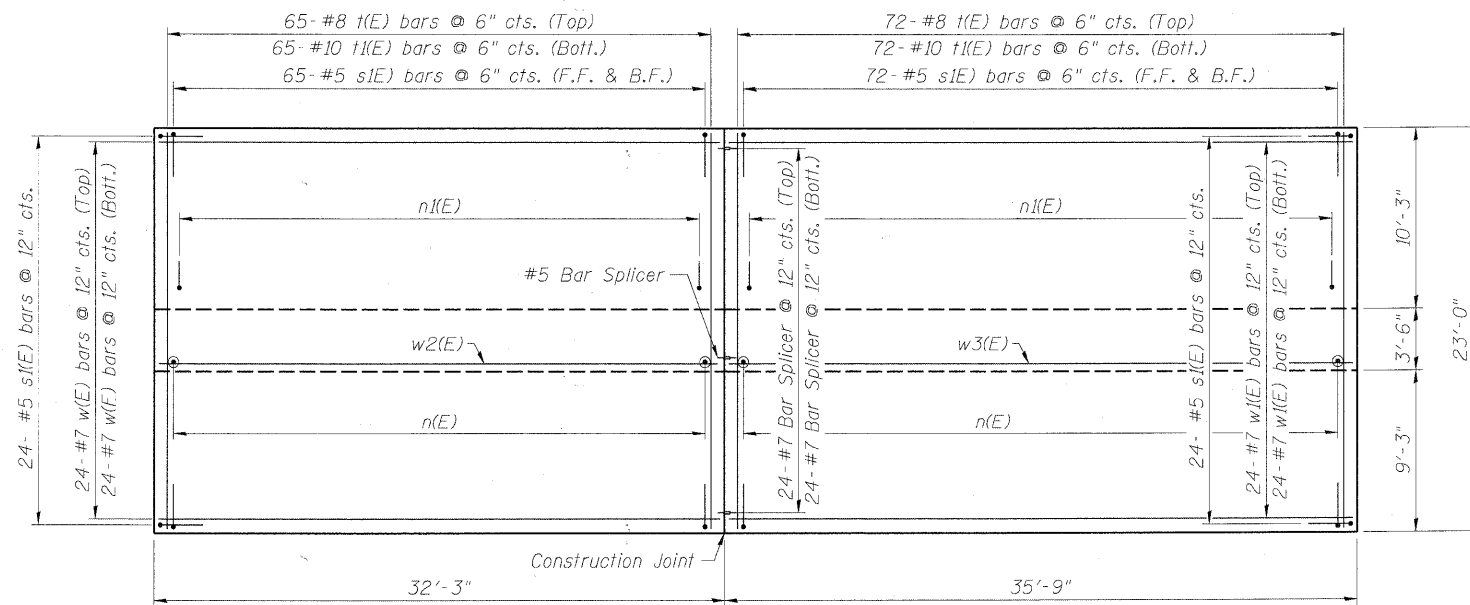
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1537	06-00050-00-GS	COOK	209	98
CONTRACT NO. 63556				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT CRE-9003(709)				



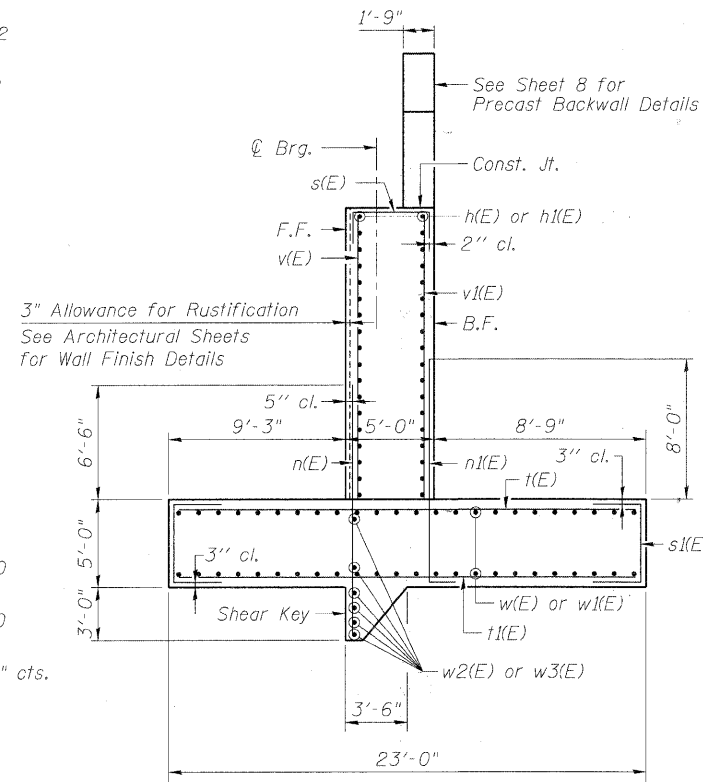
TOP PLAN



SOUTH ABUTMENT ELEVATION



FOOTING PLAN



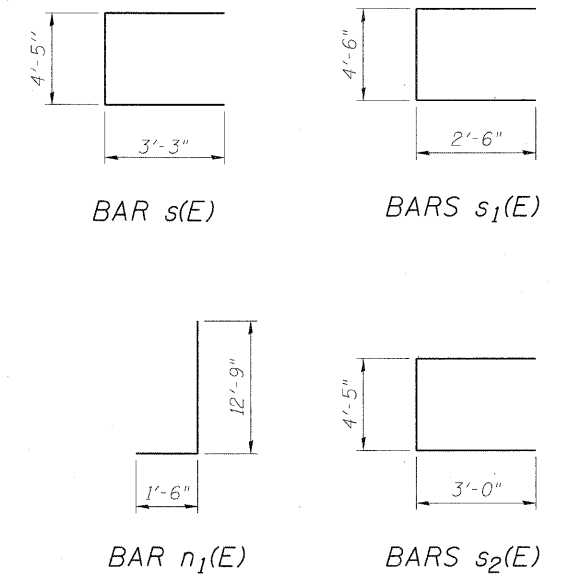
SECTION A-A

Notes:
 F.F. = Front Face
 B.F. = Back Face
 Bott. = Bottom

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	36	#6	32'-0"	—
h1(E)	36	#6	35'-6"	—
n(E)	137	#7	14'-3"	—
n1(E)	137	#11	14'-3"	—
s(E)	137	#6	10'-11"	—
s1(E)	322	#5	9'-6"	—
s2(E)	36	#6	10'-5"	—
t(E)	137	#8	22'-6"	—
t1(E)	137	#10	22'-6"	—
v(E)	137	#5	16'-6"	—
v1(E)	137	#7	16'-6"	—
w(E)	48	#7	32'-0"	—
w1(E)	48	#7	35'-6"	—
w2(E)	6	#5	32'-0"	—
w3(E)	6	#5	35'-6"	—
Structure Excavation			Cu. Yd.	727.9
Concrete Structures			Cu. Yd.	525.9
Reinforcement Bars, Epoxy Coated			Pound	64,980
Geocomposite Wall Drain			Sq. Yd.	166
Bar Splicers			Each	90

For details of Bar Splicers, See Sheet 9 of 61



- NOTE:
- Contractor to submit revised reinforcement plans for review if staging requirements require revised reinforcement. Minimum development lengths as listed in sheet 2 of 65 shall be provided.
 - Work this sheet with Sheet 8 of 65.

FILE NAME = P:\6015877\020 CAD\01.Dwg\01.Dwg\Sheet\Structure\1\016-7721_1.DOT.sh.05.5-Abutment-Details.rvt



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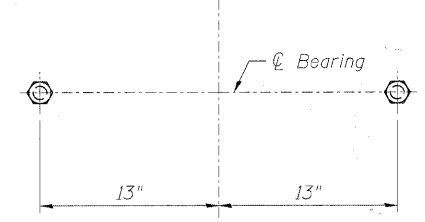
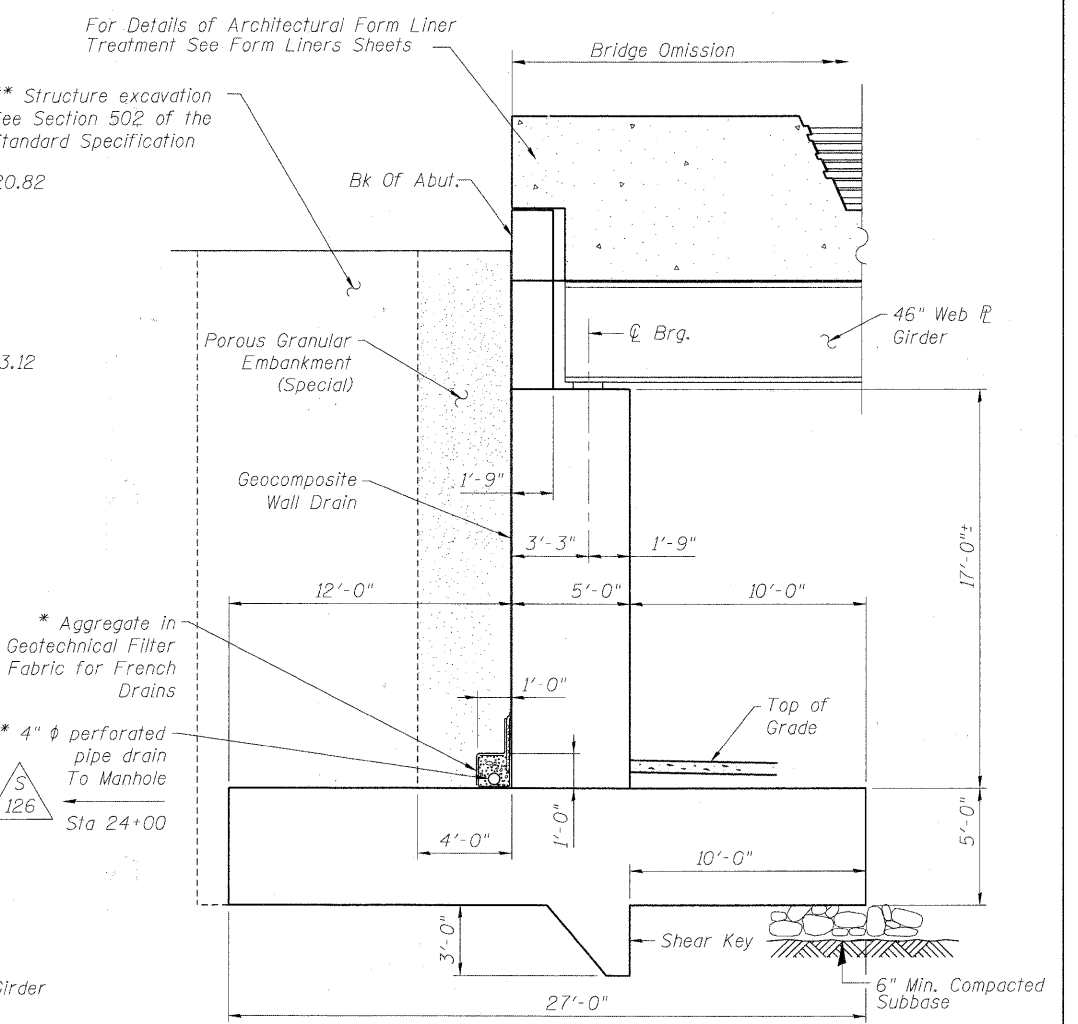
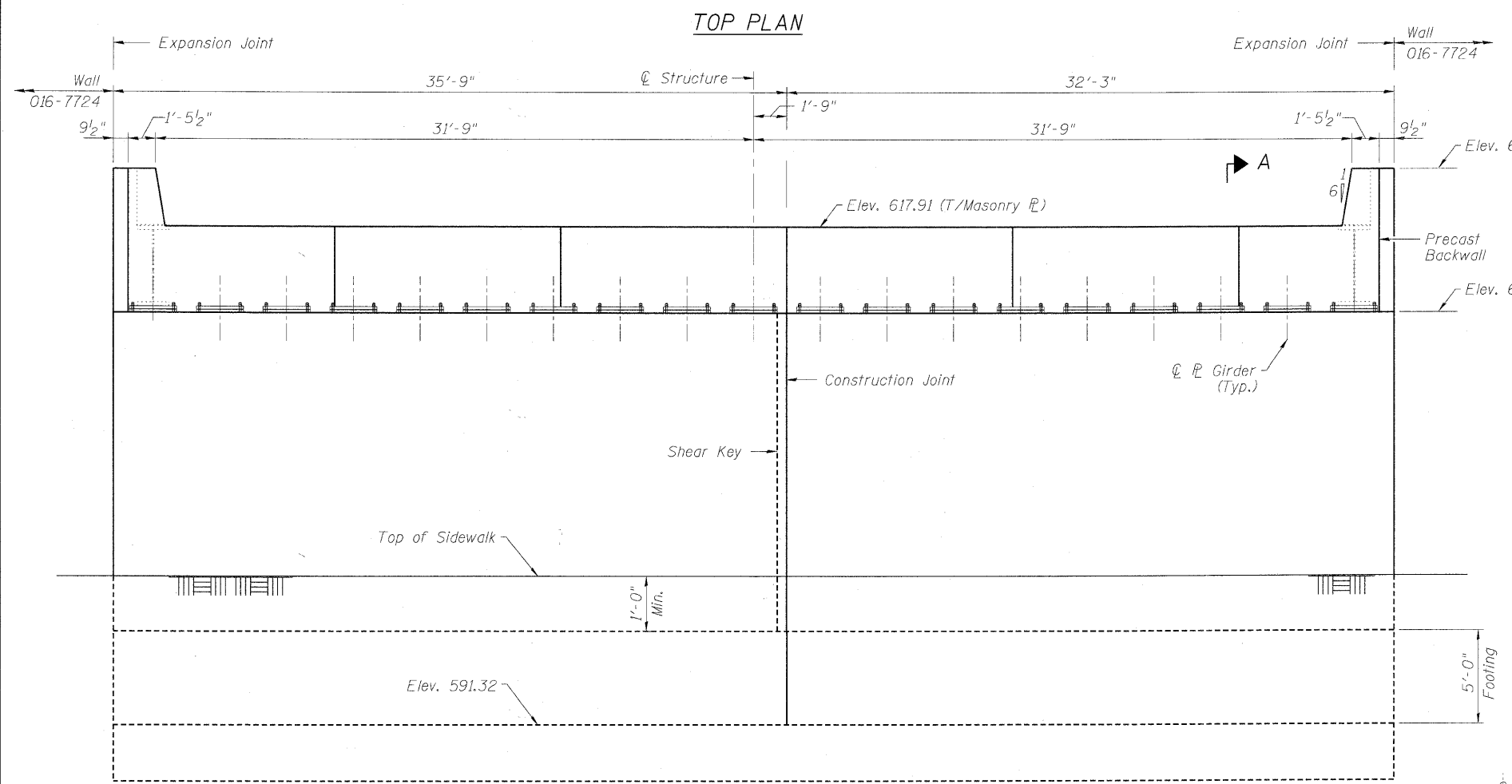
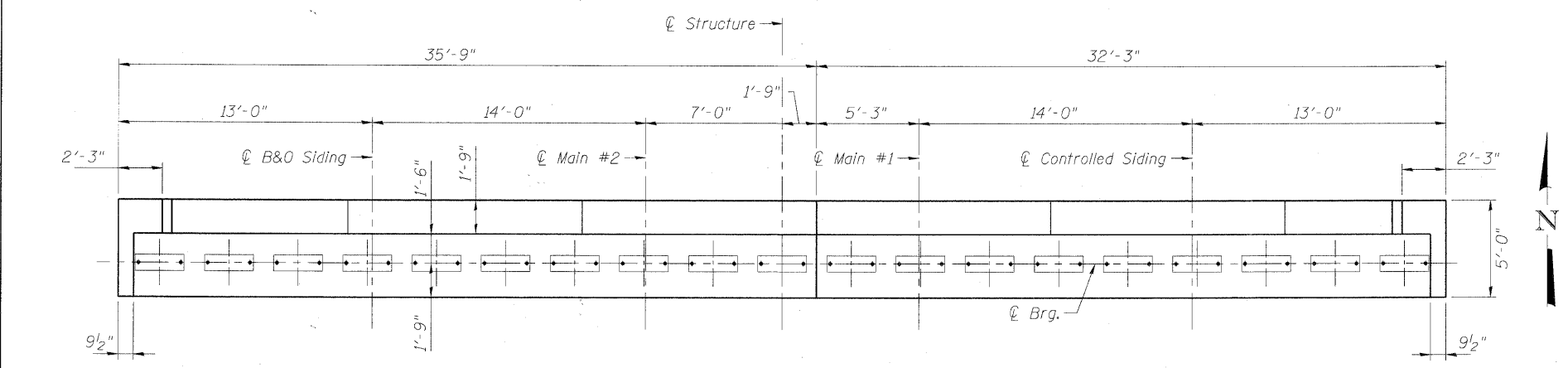
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SOUTH ABUTMENT REINFORCEMENT
 STRUCTURE NO. 016-7721

SCALE: NONE SHEET NO. 5 OF 65 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1537	06-00050-00-65	COOK	209	99
CONTRACT NO. 63556				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT CRE-900317091				

- Notes:
1. For Form Liner Rustification Details, See Architectural Sheets.
 2. For Bar Splicer Details, See Sheet No. 9 of 65.
 3. For Precast Backwall Details, See Sheet No. 8 of 65.
 4. For Steel Masonry Plate Details, See Sheet No. 8 of 65.
 5. Provide 3" x 1'-6" shear key at abutment stem construction joint.
 6. Roughen surfaces of horizontal construction joints (typ.).
 7. Pipe Underdrain to connect to Catch Basin. See Drainage Drawings.



NORTH ABUTMENT ELEVATION

ANCHOR BOLT LAYOUT

SECTION A-A

*Included in cost of "Pipe Underdrains for Structures"
 **Backfill remainder of Structure excavation and overexcavation with same material specified for roadway embankment

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PLOT DATE = 3/16/2011	CHECKED - DD	REVISED -
DATE - 11/23/2010	REVISED -	

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

NORTH ABUTMENT
 STRUCTURE NO. 016-7721

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1537	06-00050-00-GS	COOK	209	100
CONTRACT NO. 63556				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT CRE-90031709				

SCALE: NONE SHEET NO. 6 OF 65 SHEETS STA. TO STA.