

62030

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	20 WRS-6	LAKE	318	1
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

FOR INDEX OF SHEETS, SEE SHEET NO. 2

PLANS FOR PROPOSED  
HIGHWAY

TRAFFIC DATA  
ADT:

IL RTE. 22, BUESCHING RD. TO OAKWOOD RD. = 18,400 (2000) 39,000 (2020)  
 IL RTE. 22, OAKWOOD RD. TO QUENTIN RD. = 17,000 (2000) 36,000 (2020)  
 IL RTE. 22, QUENTIN RD. TO E. LIMIT = 17,600 (2000) 40,000 (2020)  
 QUENTIN RD., SOUTH OF IL RTE. 22 = 15,100 (2000) 23,000 (2020)  
 QUENTIN RD., NORTH OF IL RTE. 22 = 10,100 (2000) 15,000 (2020)

POSTED SPEED LIMIT:

IL RTE. 22, EAST OF QUENTIN RD. = 50 MPH  
 EASTBOUND IL RTE. 22, WEST OF QUENTIN RD. = 40 MPH  
 WESTBOUND IL RTE. 22, WEST OF TELSER RD. = 40 MPH  
 WESTBOUND IL RTE. 22, BETWEEN TELSER RD. AND QUENTIN RD. = 45 MPH  
 QUENTIN RD., SOUTH OF IL ROUTE 22 = 45 MPH  
 QUENTIN RD., NORTH OF IL ROUTE 22 = 50 MPH

DESIGN DESIGNATION:

IL RTE. 22 3420(20) STRATEGIC REGIONAL ARTERIAL 8.11 (PCC-20)  
 QUENTIN RD. 2380(20) COUNTY ARTERIAL 8.11 (PCC-20)

F.A.P. ROUTE 337 (IL RTE. 22)

BUESCHING ROAD TO QUENTIN ROAD

SECTION: 20 WRS-6

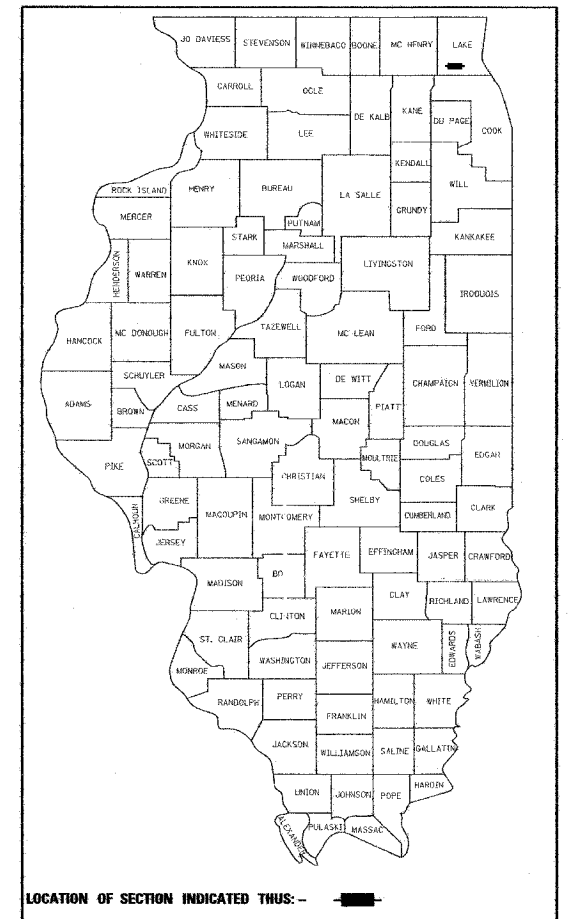
ROADWAY RECONSTRUCTION

PROJECT NO: NHF-0337(007)

LAKE COUNTY

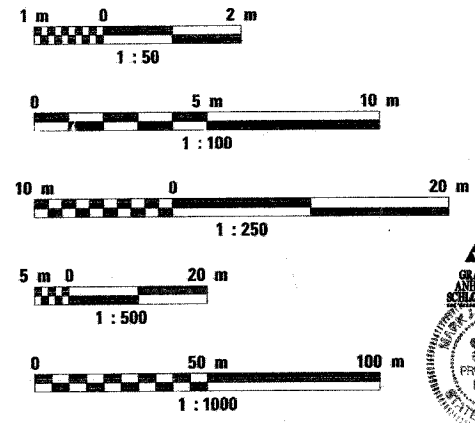
C-91-431-00

D-91-431-00



IMPROVEMENT LOCATED IN  
THE VILLAGE OF LAKE ZURICH

METRIC RATIOS



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.

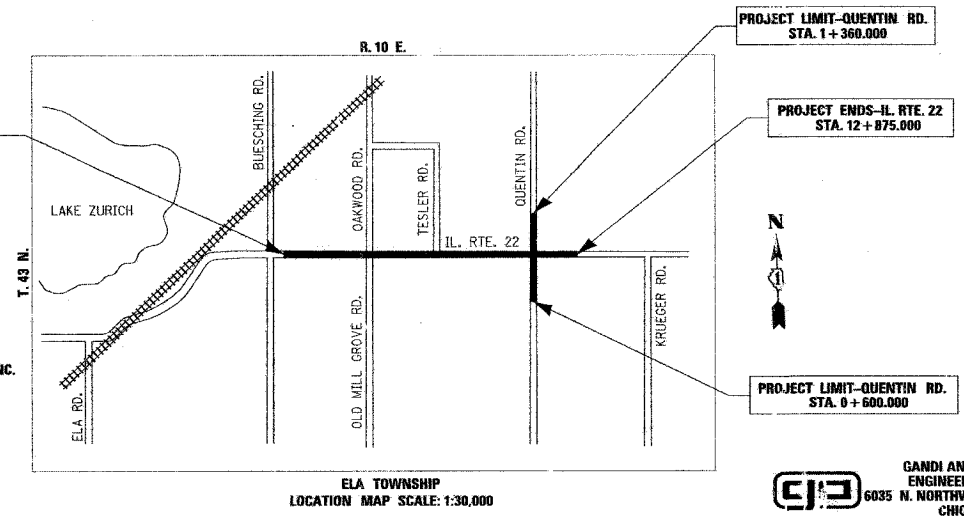
FOR UTILITY INFORMATION, CONTACT J.U.L.I.E.  
(JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION)  
AT 1-800-892-0123

CONTRACT NO. 62030

COUNTY: LAKE SECTION: 20 WRS-6 F.A.P. ROUTE: 337 (IL RTE. 22)

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.  
ENGINEERS & SCIENTISTS  
8501 WEST HIGGINS ROAD, SUITE 280  
CHICAGO, IL 60631  
(773) 399-0112  
SIGNATURE: [Signature]  
DATE: 3/17/05  
IL LICENSE NO. 062-057294  
EXP. DATE: 11-30-05  
FIELD: GRAEF, ANHALT, SCHLOEMER & ASSOC., INC.  
UTILITY ENGINEERING  
(SHEETS 93 TO 195)

V3 INFRASTRUCTURE SERVICES, LTD.  
7325 JANES AVENUE, SUITE 100  
WOODSDGE, IL 60517  
(630) 724-9800  
SIGNATURE: [Signature]  
DATE: 3/17/05  
IL LICENSE NO. 081-005712  
EXP. DATE: 11-30-06  
FIELD: V3 INFRASTRUCTURE SERVICES, LTD.  
STRUCTURAL ENGINEERING  
(SHEETS 150 TO 197)



GROSS & NET LENGTH OF IMPROVEMENT: 2,675 METERS = 2.675 KILOMETERS

GANDI AND ASSOCIATES, INC.  
ENGINEERS AND PLANNERS  
6035 N. NORTHWEST HIGHWAY, SUITE 306  
CHICAGO, IL 60631  
(773) 774-5910  
SIGNATURE: [Signature]  
DATE: March 17, 2005  
IL LICENSE NO. 34993  
EXP. DATE: Nov. 30, 2005  
FIELD: GANDI AND ASSOCIATES, INC.  
TRAFFIC ENGINEERING  
(SHEETS 179 TO 195)

JAMES J. BENES & ASSOCIATES  
CONSULTING ENGINEERS  
950 WARRENVILLE ROAD, SUITE 101  
LISLE, IL 60532  
(630) 719-7570  
SIGNATURE: [Signature]  
DATE: 3/17/05  
IL LICENSE NO. 062-045065  
EXP. DATE: NOVEMBER 30, 2005  
FIELD: JAMES J. BENES AND ASSOCIATES, INC.  
CIVIL ENGINEERING  
(SHEETS 1-61, 74-92, 144-173, 200-201, 220-219)

IDOT PROJECT MANAGER: KIM VORMITTAG (847) 705-4055

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	20 WRS-6	LAKE	318	2
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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COMMITMENTS: NONE

LIST OF STATE STANDARDS

000001-04	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001001	AREA OF REINFORCEMENT BARS
280001-02	TEMPORARY EROSION CONTROL SYSTEMS
420001-05	PAVEMENT JOINTS
420101-02	7.2m (24') JOINTED PCC PAVEMENT
420111-01	PCC PAVEMENT ROUNDABOUTS
420106-02	10.8m (36') JOINTED PCC PAVEMENT
424001-03	CURB RAMPS FOR SIDEWALKS
442201-01	CLASS C AND D PATCHES
482001	BITUMINOUS SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
542301	PRECAST REINFORCED CONCRETE FLARED END SECTION
542311	GRATING FOR CONCRETE FLARED END SECTION (FOR 600 mm (24") THRU 1300 mm (54") PIPE)
542606	REINFORCED CONCRETE PIPE TEE
602001	CATCH BASIN TYPE A
602401	MANHOLE TYPE A
602601	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701	CAST IRON STEPS
604001-02	FRAME AND LIDS TYPE 1
604036-01	GRATE TYPE 8
604091-01	FRAME AND GRATE TYPE 24
606001-02	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606006	OUTLET FOR CONCRETE CURB AND GUTTER TYPE B-15.60 (B-6.24)
606301-02	PC CONCRETE ISLANDS AND MEDIANS
606306-01	CORRUGATED PC CONCRETE MEDIAN
630001-05	STEEL PLATE BEAM GUARDRAIL
630201-03	PCC/BITUMINOUS STABILIZATION AT STEEL PLATE BEAM GUARDRAIL
630301-03	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINAL
631011-02	TRAFFIC BARRIER TERMINAL, TYPE 2
635001	DELINEATORS
635006-02	REFLECTOR AND TERMINAL MARKER PLACEMENT
635011-01	REFLECTOR MARKER AND MOUNTING DETAILS
664001-01	CHAIN LINK FENCE
701011-01	OFF-ROAD MOVING OPERATIONS 2L, 2W DAY ONLY FOR SPEEDS ≥ 45 MPH
701201-02	LANE CLOSURE 2L, 2W DAY ONLY ON-ROAD TO 600mm (24") OFF-ROAD FOR SPEEDS ≥ 45 MPH
701301-02	LANE CLOSURE 2L, 2W SHORT TIME OPERATIONS
701311-02	LANE CLOSURE 2L, 2W MOVING OPERATIONS - DAY ONLY
701326-02	LANE CLOSURE 2L, 2W PAVEMENT WIDENING FOR SPEEDS ≥ 45 MPH
701422-01	LANE CLOSURE MULTILANE FOR SPEEDS ≥ 45 MPH TO 55 MPH
701421-01	LANE CLOSURE MULTILANE, DAY OPERATIONS ONLY, FOR SPEEDS ≥ 45 MPH TO 55 MPH
701426-02	LANE CLOSURE MULTILANE INTERMITTENT OR MOVING OPERATION FOR SPEEDS ≥ 45 MPH
701501-03	URBAN LANE CLOSURE 2L, 2W UNDIVIDED
701601-04	URBAN LANE CLOSURE MULTILANE 1W OR 2W WITH NON TRAVERSABLE MEDIAN
701606-04	URBAN LANE CLOSURE MULTILANE 2W WITH MOUNTABLE MEDIAN
701701-04	URBAN LANE CLOSURE MULTILANE INTERSECTION
701801-03	LANE CLOSURE MULTILANE 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE
702001-05	TRAFFIC CONTROL DEVICES
704001-02	TEMPORARY CONCRETE BARRIER
720001	SIGN PANEL MOUNTING DETAILS
720006	SIGN PANEL ERECTION DETAILS
720011	METAL POSTS FOR SIGNS, MARKERS & DELINEATORS
729001	APPLICATIONS OF TYPES A & B METAL POSTS (FOR SIGNS AND MARKERS)
780001-01	TYPICAL PAVEMENT MARKINGS
805001	ELECTRICAL SERVICE INSTALLATION DETAILS
813001-01	JUNCTION BOXES
814001	CONCRETE HANDHOLES
814006	DOUBLE HANDHOLES
857001	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
877001-02	STEEL MAST ARM ASSEMBLY AND POLE
878001-03	CONCRETE FOUNDATION DETAILS
880001	SPAN WIRE MOUNTED SIGNALS AND FLASHING BEACON INSTALLATION
880006	TRAFFIC SIGNAL MOUNTING DETAILS
886001	DETECTOR LOOP INSTALLATIONS
886006	TYPICAL LAYOUT FOR DETECTION LOOPS

GENERAL NOTES

- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.L.E." AT (800) 892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS UTILITIES. (48 HOUR NOTIFICATION IS REQUIRED.)
- THE CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION ACTIVITIES WITH ALL UTILITY COMPANIES AND THE VILLAGE OF LAKE ZURICH.
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE ILLINOIS DEPARTMENT OF TRANSPORTATION.
- 
- WHEN ARTIFICIAL LIGHTING IS UTILIZED IN NIGHT OPERATIONS, THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTION IN PREVENTING ADVERSE EFFECTS TO THE VISIBILITY OF THE MOTORING PUBLIC AS WELL AS THE ADJOINING RESIDENTIAL AREAS.
- ALL ELEVATIONS ARE ON U.S.G.S. DATUM.
- THREE (3) METER LONG TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER AND MEDIAN ITEMS OF WORK TO EXISTING CURB AND GUTTER AND MEDIAN IN THE FIELD, UNLESS OTHERWISE SHOWN ON THE PLANS. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK SPECIFIED.
- ALL STORM SEWER CONNECTIONS WITH PIPES 675 MM (27 INCHES) DIAMETER AND SMALLER SHALL BE MADE WITH PRECAST "TEE" OR "WYE" PIPES. FOR PROPOSED STORM SEWER PIPES LARGER THAN 675 MM (27 INCHES) DIAMETER, OPENINGS OF THE SPECIFIED DIAMETER SHALL BE MADE IN THE PIPE AT THE TIME IT IS MANUFACTURED. PRECAST "TEE" AND "WYE" PIPE CONNECTIONS FOR PROPOSED STORM SEWER WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST FOR THE STORM SEWERS.
- USE NO. 25 (#8) EPOXY-COATED TIE BARS CONFORMING TO ART. 1006.10(B)(2) OF THE STANDARD SPECIFICATIONS FOR LONGITUDINAL CONSTRUCTION JOINT GROUDED-IN-PLACE TIE BAR AS SHOWN ON STATE STANDARD 420001 AND FOR TIEING PC CONCRETE WIDENING TO EXISTING CONCRETE PAVEMENT AS SHOWN ON THE PLANS. THE TIE BARS WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE PAVEMENT ITEMS BEING CONSTRUCTED.
- WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 40 MM (1 1/2 INCHES) WHERE THE SPEED LIMIT IS 80 KM/H (45 MPH) OR LESS AND 25 MM (1 INCH) WHERE THE SPEED LIMIT IS GREATER THAN 80KM/H (45 MPH). WITH WRITTEN APPROVAL FROM THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 75 MM (3 INCHES) MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM 1:3 (V:H).
- BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT), IN ACCORDANCE WITH THE "BUTT JOINT AND BITUMINOUS TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.
- ON STATE STANDARDS 482001 AND 483001 AGGREGATE SUBGRADE 300mm (12") SHALL BE USED AS THE IMPROVED SUBGRADE. THE ADDITIONAL THICKNESS OF AGGREGATE SUBGRADE UNDER THE SHOULDER SHALL BE INCLUDED IN THE COST PER SQUARE METER (SQ YARD) OF "AGGREGATE SUBGRADE 300mm (12")."
- SAW CUTTING OF PAVEMENTS, SHOULDERS, ETC. SHALL BE TO FULL DEPTH AND SHALL RESULT IN CLEAN, STRAIGHT EDGE ON THE PORTION REMAINING. ALL SAW CUTTING SHALL BE CONSIDERED INCLUDED IN THE COST OF THE ITEM REMOVED.
- THE CONTRACTOR SHALL CONTACT AREA TRAFFIC FIELD ENGINEER DEBBIE HANLON AT (847) 438-2300 TWO WEEKS PRIOR TO INSTALLING FINAL PAVEMENT MARKINGS.
- STATIONING FOR ALL DRAINAGE STRUCTURES ARE GIVEN TO THE CENTER OF THE DRAINAGE STRUCTURE. OFFSETS FOR CURB LINE INLETS AND CATCH BASINS ARE GIVEN TO THE EDGE OF PAVEMENT. OFFSETS FOR ALL OTHER DRAINAGE STRUCTURES ARE GIVEN TO THE CENTER OF THE STRUCTURE. THE CONTRACTOR SHALL TAKE CARE TO ENSURE THAT ALL CURB LINE DRAINAGE STRUCTURES ARE PROPERLY ALIGNED WITH THE PROPOSED CURB AND GUTTER.
- PLAN QUANTITIES FOR ALL BITUMINOUS CONCRETE SURFACE COURSE ITEMS WERE CALCULATED BASED ON AN ASSUMED UNIT WEIGHT OF 59.8 KG/SQ M/25MM THICKNESS.
- THE CONTRACT PLANS ARE PER STATE PLANE COORDINATES WITH GRID VALUE EXCEPT FOR THE PLAT OF HIGHWAYS WHICH ARE GROUND VALUE.

LIST OF DISTRICT ONE DETAILS

BD-01	DRIVEWAY DETAILS DISTANCE BETWEEN R.O.W. AND FACE OF CURB/EDGE OF SHOULDER ≥ 4.5 m (15')
BD-02	DRIVEWAY DETAILS DISTANCE BETWEEN R.O.W. AND FACE < 4.5 m (15')
BD-07	DETAIL OF STORM SEWER CONNECTION TO EXISTING SEWER
BD-12	MANHOLE WITH RESTRICTOR PLATE
BD-32	BUTT JOINT AND BITUMINOUS TAPER DETAILS
BD-34	STEEL PLATE BEAM GUARDRAIL ADJACENT TO CURB AND GUTTER AND STABILIZATION AT TBT TY. 1 SPL.
BD-36	FIRE HYDRANT TO BE MOVED
BD-48	PCC PAVEMENT ROUNDABOUTS AT CURB AND GUTTER
TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
TC-11	TYPICAL APPLICATIONS RAISED SELECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)
TC-13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
TC-14	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)
TC-16	PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING
TC-22	TEMPORARY INFORMATION SIGNING
TS-05	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
ILLINOIS ROUTE 22

GENERAL NOTES,  
INDEX OF SHEETS  
AND STATE STANDARDS



SCALE NTS  
DATE: 03/11/05

DRAWN BY: SMP  
CHECKED BY: BDH

SUMMARY OF QUANTITIES

URBAN

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY	TRAFFIC SIGNAL RTE 22 @ OAKWOOD/OLD MILL GROVE	TRAFFIC SIGNAL RTE 22 @ QUENTIN	TRAFFIC SIGNAL INTERCONNECT	TRAFFIC SIGNAL EMERGENCY PRE-EMPTION	LAKE ZURICH		
				80% FED 20% STATE J000-2A	80% FED 10% STATE 10% LAKE Y031-1F	80% FED 10% STATE 10% LAKE Y031-1F	80% FED 20% STATE Y031-1F	100% LAKE ZURICH Y031-3D	100% LAKE ZURICH Y060		
20101100	TREE TRUNK PROTECTION	EACH	2	2							
28000300	TEMPORARY DITCH CHECKS	EACH	55	55							
28000500	INLET AND PIPE PROTECTION	EACH	19	19							
28000510	INLET FILTERS	EACH	220	220							
40702700	FURNISH PROFILOGRAPH	L SUM	1	1							
50104400	CONCRETE HEADWALL REMOVAL	EACH	6	6							
54001000	BOX CULVERT END SECTIONS	EACH	2	2							
56400100	FIRE HYDRANTS TO BE MOVED	EACH	4						4		
56400820	FIRE HYDRANT W/ AUXILARY VALVE & VALVE BOX	EACH	3						3		
56500200	DOMESTIC WATER SERVICE BOXES TO BE MOVED	EACH	1						1		
60100060	CONCRETE HEADWALL FOR PIPE DRAINS	EACH	7	7							
60207605	CATCH BASINS, TYPE C, TYPE 8 GRATE	EACH	10	10							
60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	2	2							
60237460	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	EACH	1	1							
60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	EACH	18	18							
60240301	INLETS, TYPE B, TYPE 8 GRATE	EACH	1	1							
60240328	INLETS, TYPE B, TYPE 24 FRME AND GRATE	EACH	2	2							
60255500	MANHOLES TO BE ADJUSTED	EACH	9	9							
60255800	MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	1	1							
60257900	MANHOLES TO BE RECONSTRUCTED	EACH	1	1							
60260050	SANITARY MANHOLE TO BE RECONSTRUCTED	EACH	3						3		
60265700	VALVE VAULTS TO BE ADJUSTED	EACH	2						2		
60266500	VALVE VAULTS TO BE REMOVED	EACH	4						4		
60266600	VALVE BOXES TO BE ADJUSTED	EACH	1						1		
60266910	VALVE BOXES TO BE REMOVED	EACH	2						2		
60403700	LIDS, TYPE1, OPEN LID	EACH	3	3							
60500040	REMOVING MANHOLES	EACH	10	7					3		
60500050	REMOVING CATCH BASINS	EACH	18	18							

 - DENOTES SPECIALTY ITEMS  
 - Y080 COST CODE

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
ILLINOIS ROUTE 22

SUMMARY OF QUANTITIES

SCALE NTS  
DATE: 03/11/05

DRAWN BY: SMP  
CHECKED BY: BDH

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	20 WRS-6	LAKE	318	4
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 62030				

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				80% FED 20% STATE J000-2A	80% FED 10% STATE 10% LAKE ZURICH Y031-1F	80% FED 10% STATE 10% LAKE CO. Y031-1F	80% FED 20% STATE Y031-1F	100% LAKE ZURICH Y031-3D	100% LAKE ZURICH Y060
60500060	REMOVING INLETS	EACH	5	5					
60500105	FILLING MANHOLES	EACH	9						9
63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	1	1					
63100169	TRAFFIC BARRIER TERMINAL, TYPE 1, SPECIAL (FLARED)	EACH	1	1					
X6700410	ENGINEER'S FIELD OFFICE, TYPE A (SPECIAL)	CAL MO	16	16					
67000600	ENGINEER'S FIELD LABORATORY	CAL MO	16	16					
67100100	MOBILIZATION	L SUM	1	1					
70101800	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L SUM	1	1					
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	390	390					
78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	647	647					
78100200	TEMPORARY RAISED REFLECTIVE PAVEMENT MARKER	EACH	326	326					
78200410	GUARD RAIL MARKERS, TYPE A	EACH	4	4					
78201000	TERMINAL MARKER, DIRECT APPLIED	EACH	1	1					
81400100	HANDHOLE	EACH	20		5	6	9		
81400200	HEAVY-DUTY HANDHOLE	EACH	11		4	4	3		
81400300	DOUBLE HANDHOLE	EACH	3		1	2			
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1				1		
85700205	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	2		1	1			
86400100	TRANSCEIVER - FIBER OPTIC	EACH	2		1	1			
87900200	DRILL EXISTING HANDHOLE	EACH	1				1		
88200100	TRAFFIC SIGNAL BACKPLATE	EACH	18		8	10			
88500100	INDUCTIVE LOOP DETECTOR	EACH	19		8	11			
88700200	LIGHT DETECTOR	EACH	2					2	
88800100	PEDESTRIAN PUSH-BUTTON	EACH	2		2				
89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	2		1	1			
89501400	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT	EACH	3					3	
89501410	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	2					2	
89502200	MODIFY EXISTING CONTROLLER	EACH	1				1		

⊙ - DENOTES SPECIALTY ITEMS  
 △ - Y080 COST CODE

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION ILLINOIS ROUTE 22
NAME	DATE	
		SUMMARY OF QUANTITIES

SCALE NTS  
DATE: 03/11/05

DRAWN BY: SMP  
CHECKED BY: BDH

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	20 WRS-6	LAKE	318	5
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 62030				

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	URBAN TOTAL QUANTITY	ROADWAY	TRAFFIC SIGNAL RTE 22 @ OAKWOOD/OLD MILL GROVE	TRAFFIC SIGNAL RTE 22 @ QUENTIN	TRAFFIC SIGNAL INTERCONNECT	TRAFFIC SIGNAL EMERGENCY PRE-EMPTION	LAKE ZURICH
				80% FED 20% STATE J000-2A	80% FED 10% STATE 10% LAKE ZURICH Y031-1F	80% FED 10% STATE 10% LAKE CO. Y031-1F	80% FED 20% STATE Y031-1F	100% LAKE ZURICH Y031-3D	100% LAKE ZURICH Y060
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	2		1	1			
89502380	REMOVE EXISTING HANDHOLE	EACH	19		9	10			
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	16		9	7			
Z0002600	BAR SPLICERS	EACH	38	38					
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1					
Z0076600	TRAINEES	HOUR	1,500	1,500					
M2010110	TREE REMOVAL (6 TO 15 UNITS)	UNIT	4,484	4,484					
M2010210	TREE REMOVAL (OVER 15 UNITS)	UNIT	2,975	2,975					
M2011000	TEMPORARY FENCE	METER	395	395					
M2020010	EARTH EXCAVATION	CU M	8,370	8,370					
M2021200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU M	44,547	44,547					
M2040800	FURNISHED EXCAVATION	CU M	24,447	24,447					
M2070220	POROUS GRANULAR EMBANKMENT	CU M	806	806					
M2070420	POROUS GRANULAR EMBANKMENT, SUBGRADE	CU M	8,572	8,572					
M2080150	TRENCH BACKFILL	CU M	2,435	1,888				547	
M2101000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ M	3,620	3,620					
M2113100	TOPSOIL FURNISH AND PLACE, 100MM	SQ M	48,432	48,432					
M2113600	TOPSOIL FURNISH AND PLACE, 600MM	SQ M	4,887	4,887					
M2114100	COMPOST FURNISH AND PLACE, 100MM	SQ M	11,876	11,876					
M2130010	EXPLORATION TRENCH, SPECIAL	METER	50					50	
M2500210	SEEDING, CLASS 2A	HA	4.3	4.3					
M2500310	SEEDING, CLASS 4	HA	1.1	1.1					
M2500314	SEEDING, CLASS 4B	HA	0.2	0.2					
M2500400	NITROGEN FERTILIZER NUTRIENT	KG	632	632					
M2500500	PHOSPHORUS FERTILIZER NUTRIENT	KG	632	632					
M2500600	POTASSIUM FERTILIZER NUTRIENT	KG	632	632					
M2510630	EROSION CONTROL BLANKET	SQ M	63,836	63,836					
M2520110	SODDING, SALT TOLERANT	SQ M	10,181	10,181					

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⊙ - DENOTES SPECIALTY ITEMS  
△ - Y080 COST CODE

REVISIONS	
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ILLINOIS DEPARTMENT OF TRANSPORTATION  
ILLINOIS ROUTE 22

SUMMARY OF QUANTITIES

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CODE NO.	ITEM	UNIT	URBAN TOTAL QUANTITY	ROADWAY	TRAFFIC SIGNAL RTE 22 @ OAKWOOD/OLD MILL GROVE	TRAFFIC SIGNAL RTE 22 @ OQUENTIN	TRAFFIC SIGNAL INTERCONNECT	TRAFFIC SIGNAL EMERGENCY PRE-EMPTION	LAKE ZURICH		
				80% FED 20% STATE J000-2A	80% FED 10% STATE 10% LAKE ZURICH Y031-1F	80% FED 10% STATE 10% LAKE CO. Y031-1F	80% FED 20% STATE Y031-1F	100% LAKE ZURICH Y031-3D	100% LAKE ZURICH Y060		
M2520200	SUPPLEMENTAL WATERING	UNIT	458	458							
M2800250	TEMPORARY EROSION CONTROL SEEDING	KG	626	626.0							
M2800400	PERIMETER EROSION BARRIER	METER	3,498	3,498							
M2810705	STONE DUMPED RIPRAP, CLASS A3	SQ M	64	64							
M2810107	STONE DUMPED RIPRAP, CLASS A4	SQ M	56	56							
M2820100	FILTER FABRIC	SQ M	120	120							
M4021010	AGGREGATE SURFACE COURSE, TYPE B	M TON	1,109	1,109							
M4060200	BITUMINOUS MATERIALS (PRIME COAT)	M TON	11	11							
M4060300	AGGREGATE PRIME COAT	M TON	24	24							
M4060895	CONSTRUCTING TEST STRIP	EACH	2	2							
M4202255	PORTLAND CEMENT CONCRETE PAVEMENT 250MM (JOINTED)	SQ M	55,067	55,067							
M4205200	PROTECTIVE COAT	SQ M	65,387	65,387							
M4240125	PORTLAND CEMENT CONCRETE SIDEWALK, 125MM	SQ M	84	84							
M4402000	PAVEMENT REMOVAL	SQ M	40,740	40,740							
M4402010	DRIVEWAY PAVEMENT REMOVAL	SQ M	2,601	2,601.0							
M4402020	CURB REMOVAL	METER	221	221							
M4402040	COMBINATION CURB AND GUTTER REMOVAL	METER	2,424	2,424							
M4402050	SIDEWALK REMOVAL	SQ M	119	119							
M4428040	CLASS D PATCHES, TYPE I, 300MM	SQ M	94	94							
M4428240	CLASS D PATCHES, TYPE II, 300MM	SQ M	576	576							
M4428340	CLASS D PATCHES, TYPE III, 300MM	SQ M	621	621							
M4428440	CLASS D PATCHES, TYPE IV, 300MM	SQ M	449	449							
M4812200	AGGREGATE SHOULDERS, TYPE B 200MM	SQ M	1,195	1,195							
M4812250	AGGREGATE SHOULDERS, TYPE B 250MM	SQ M	4,945	4,945							
M5010522	PIPE CULVERT REMOVAL	METER	67	67							
M5080105	REINFORCEMENT BARS	KG	4,885	4,885							
M5120900	TEMPORARY SHEET PILING	SQ M	141	141							

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	20 WRS-6	LAKE	318	7
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FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 62030				

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	URBAN TOTAL QUANTITY	ROADWAY	TRAFFIC SIGNAL RTE 22 @ OAKWOOD/OLD MILL GROVE	TRAFFIC SIGNAL RTE 22 @ QUENTIN	TRAFFIC SIGNAL INTERCONNECT	TRAFFIC SIGNAL EMERGENCY PRE-EMPTION	LAKE ZURICH		
				80% FED 20% STATE J000-2A	80% FED 10% STATE 10% LAKE ZURICH Y031-1F	80% FED 10% STATE 10% LAKE CO. Y031-1F	80% FED 20% STATE Y031-1F	100% LAKE ZURICH Y031-3D	100% LAKE ZURICH Y060		
M5402055	PRECAST CONCRETE BOX CULVERT 1.8M x 1.2M (M273)	METER	22.5	22.5							
M5403000	CONCRETE BOX CULVERTS	CU M	47	47							
M542C228	REINFORCED CONCRETE PIPE TEE, 600MM PIPE WITH 300MM RISER	EACH	6	6							
M542C232	REINFORCED CONCRETE PIPE TEE, 675MM PIPE WITH 300MM RISER	EACH	6	6							
M542E112	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, 300MM	EACH	6	6							
M542E116	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, 375MM	EACH	1	1							
M542E120	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, 450MM	EACH	2	2							
M542E124	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, 525MM	EACH	2	2							
M542E128	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, 600MM	EACH	2	2							
M542E136	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, 750MM	EACH	4	4							
M542E144	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, 900MM	EACH	1	1							
M542E528	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, EQUIVALENT ROUND SIZE, 600MM	EACH	2	2							
M542E544	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, EQUIVALENT ROUND SIZE, 900MM	EACH	1	1							
M542G025	GRATING FOR CONCRETE FLARED END SECTION, 450MM	EACH	2	2							
M542G030	GRATING FOR CONCRETE FLARED END SECTION, 525MM	EACH	2	2							
M542G035	GRATING FOR CONCRETE FLARED END SECTION, 600MM	EACH	2	2							
M542G045	GRATING FOR CONCRETE FLARED END SECTION, 750MM	EACH	4	4							
M542G055	GRATING FOR CONCRETE FLARED END SECTION, 900MM	EACH	1	1							
M542G235	GRATING FOR CONCRETE FLARED END SECTION, EQUIVALENT ROUND-SIZE, 600MM	EACH	2	2							
M542G250	GRATING FOR CONCRETE FLARED END SECTION, EQUIVALENT ROUND-SIZE, 900MM	EACH	1	1							
M542H025	PIPE CULVERTS, CLASS A, TYPE 1 375MM	METER	91.9	91.9							
M542T415	PIPE CULVERTS, CLASS D, TYPE 1, 300MM (TEMPORARY)	METER	9.5	9.5							
M542T420	PIPE CULVERTS, CLASS D, TYPE 1, 375MM (TEMPORARY)	METER	71.0	71.0							
M542T435	PIPE CULVERTS, CLASS D, TYPE 1, 600MM (TEMPORARY)	METER	3.0	3.0							
M5502840	STORM SEWERS, TYPE 1, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS IV 300MM	METER	494.5	494.5							
M5502850	STORM SEWERS, TYPE 1, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS IV 375MM	METER	3.8	3.8							
M5502860	STORM SEWERS, TYPE 1, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS IV 450MM	METER	106.0	106.0							
M5502880	STORM SEWERS, TYPE 1, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS IV 600MM	METER	32.0	32.0							

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REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION ILLINOIS ROUTE 22
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SCALE NTS  
DATE: 03/11/05

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CHECKED BY: BDH

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	20 WRS-6	LAKE	318	8
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 62030				

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	URBAN TOTAL QUANTITY	ROADWAY	TRAFFIC SIGNAL RTE 22 @ OAKWOOD/OLD MILL GROVE	TRAFFIC SIGNAL RTE 22 @ QUENTIN	TRAFFIC SIGNAL INTERCONNECT	TRAFFIC SIGNAL EMERGENCY PRE-EMPTION	LAKE ZURICH		
				80% FED 20% STATE J000-2A	80% FED 10% STATE 10% LAKE ZURICH Y031-1F	80% FED 10% STATE 10% LAKE CO. Y031-1F	80% FED 20% STATE Y031-1F	100% LAKE ZURICH Y031-3D	100% LAKE ZURICH Y060		
M5502890	STORM SEWERS, TYPE 1, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS IV 675MM	METER	68.0	68.0							
M5502900	STORM SEWERS, TYPE 1, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS III 750MM	METER	26.5	26.5							
M5503050	STORM SEWERS, TYPE 2, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS III 300MM	METER	1,310.3	1,310.3							
M5503060	STORM SEWERS, TYPE 2, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS III 375MM	METER	275.3	275.3							
M5503070	STORM SEWERS, TYPE 2, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS III 450MM	METER	452.3	452.3							
M5503080	STORM SEWERS, TYPE 2, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS III 525MM	METER	156.9	156.9							
M5503090	STORM SEWERS, TYPE 2, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS III 600MM	METER	526.3	526.3							
M5503100	STORM SEWERS, TYPE 2, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS III 675MM	METER	204.4	204.4							
M5503111	STORM SEWERS, TYPE 2, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS III 750MM	METER	34.7	34.7							
M5503300	STORM SEWERS, TYPE 3, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS IV 600MM	METER	172.8	172.8							
M5503340	STORM SEWERS, TYPE 3, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS IV 900MM	METER	15.0	15.0							
M5504410	STORM SEWERS, TYPE 1, REINFORCED CONCRETE ELLIPTICAL PIPE, SPAN 750MM, RISE 475MM	METER	32.5	32.5							
M5504550	STORM SEWERS, TYPE 2, REINFORCED CONCRETE ELLIPTICAL PIPE, SPAN 1125MM, RISE 725MM	METER	33.5	33.5							
M5505540	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 375MM	METER	47.1	47.1							
M5505930	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 300MM	METER	50.1	50.1							
M5505940	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 375MM	METER	50.1	50.1							
M5510015	STORM SEWER REMOVAL 200MM	METER	7	7							
M5510025	STORM SEWER REMOVAL 300MM	METER	280	280							
M5510035	STORM SEWER REMOVAL 375MM	METER	161	161							
M5510045	STORM SEWER REMOVAL 450MM	METER	337	337							
M5510060	STORM SEWER REMOVAL 600MM	METER	299	299							
M5610415	DUCTILE IRON WATER MAIN 150MM	METER	51.6							51.6	
M5610420	DUCTILE IRON WATER MAIN 200MM	METER	3.0							3.0	
M5610430	DUCTILE IRON WATER MAIN 300MM	METER	642.0							642.0	
M5610635	WATER VALVES 150MM	EACH	3							3	
M5610650	WATER VALVES 300MM	EACH	5							5	
M5620115	WATER SERVICE LINE, 25MM	METER	42.0							42.0	
M6010605	PIPE UNDERDRAINS 100MM	METER	872.6	872.6							

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REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION ILLINOIS ROUTE 22
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	20 WRS-6	LAKE	318	9
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
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SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	URBAN TOTAL QUANTITY	ROADWAY	TRAFFIC SIGNAL RTE 22 @ OAKWOOD/OLD MILL GROVE	TRAFFIC SIGNAL RTE 22 @ QUENTIN	TRAFFIC SIGNAL INTERCONNECT	TRAFFIC SIGNAL EMERGENCY PRE-EMPTION	LAKE ZURICH		
				80% FED 20% STATE J000-2A	80% FED 10% STATE 10% LAKE Y031-1F	80% FED 10% STATE 10% LAKE Y031-1F	80% FED 20% STATE Y031-1F	100% LAKE ZURICH Y031-3D	100% LAKE ZURICH Y060		
M6020110	CATCH BASINS, TYPE A, 1.2M DIAMETER, TYPE 1 FRAME,CLOSED LID	EACH	1	1							
M6020140	CATCH BASINS, TYPE A, 1.2M DIAMETER, TYPE 8 GRATE	EACH	5	5							
M6020180	CATCH BASINS, TYPE A, 1.2M DIAMETER, TYPE 23 FRAME AND GRATE	EACH	24	24							
M6020185	CATCH BASINS, TYPE A, 1.2M DIAMETER, TYPE 24 FRAME AND GRATE	EACH	141	141							
M6020485	CATCH BASINS, TYPE A, 1.5M DIAMETER, TYPE 24 FRAME AND GRATE	EACH	4	4							
M6021410	MANHOLES, TYPE A, 1.2M DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	29	29							
M6021480	MANHOLES, TYPE A, 1.2M DIAMETER, TYPE 24 FRAME AND GRATE	EACH	2	2							
M6021610	MANHOLES, TYPE A, 1.5M DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	25	25							
M6021680	MANHOLES, TYPE A, 1.5M DIAMETER, TYPE 24 FRAME AND GRATE	EACH	1	1							
M6021810	MANHOLES, TYPE A, 1.8M DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2	2							
M6021840	MANHOLES, TYPE A, 1.8M DIAMETER, TYPE 8 GRATE	EACH	1	1							
M6023205	MANHOLES, SPECIAL, 1.8M DIAMETER	EACH	2	2							
M6024410	VALVE VAULTS, TYPE A, 1.5M DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	5						5		
M6024520	VALVE BOXES 150MM	EACH	3						3		
M6060070	CONCRETE CURB, TYPE B	METER	222	222							
M6060500	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-15.30	METER	84	84							
M6060700	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-15.60	METER	8,593	8,593							
M6063830	CONCRETE MEDIAN, TYPE SB (SPECIAL)	SQ M	1,959	1,959							
M6066000	CORRUGATED MEDIAN	SQ M	261	261							
M6300100	STEEL PLATE BEAM GUARDRAIL, TYPE A	METER	23	23							
M6320030	GUARDRAIL REMOVAL	METER	102	102							
M6640120	CHAIN LINK FENCE, 1.8 METER	METER	102	102							
M7030210	TEMPORARY PAVEMENT MARKING - LETTERS & SYMBOLS	SQ M	34	34							
M7030220	TEMPORARY PAVEMENT MARKING - LINE 100MM	METER	14,864	14,864							
M7030240	TEMPORARY PAVEMENT MARKING - LINE 150MM	METER	458	458							
M7030250	TEMPORARY PAVEMENT MARKING - LINE 200MM	METER	873	873							
M7030280	TEMPORARY PAVEMENT MARKING - LINE 600MM	METER	59	59							
M7030510	PAVEMENT MARKING TAPE, TYPE III - LETTERS AND SYMBOLS	SQ M	83	83							



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CODE NO.	ITEM	UNIT	URBAN TOTAL QUANTITY	ROADWAY		TRAFFIC SIGNAL RTE 22 @ OAKWOOD/OLD MILL GROVE	TRAFFIC SIGNAL RTE 22 @ QUENTIN	TRAFFIC SIGNAL INTERCONNECT	TRAFFIC SIGNAL EMERGENCY PRE-EMPTION	LAKE ZURICH		
				80% FED 20% STATE J000-2A	80% FED 10% STATE 10% LAKE ZURICH Y031-1F	80% FED 10% STATE 10% LAKE CO. Y031-1F	80% FED 20% STATE Y031-1F	100% LAKE ZURICH Y031-3D	100% LAKE ZURICH Y060			
M7030520	PAVEMENT MARKING TAPE, TYPE III 100MM	METER	19,203	19,203								
M7030540	PAVEMENT MARKING TAPE, TYPE III 150MM	METER	1,950	1,950								
M7030550	PAVEMENT MARKING TAPE, TYPE III 200MM	METER	155	155								
M7031000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ M	2,328	2,328								
M7040100	TEMPORARY CONCRETE BARRIER	METER	1,062	1,062								
M7040200	RELOCATE TEMPORARY CONCRETE BARRIER	METER	667	667								
M7200100	SIGN PANEL - TYPE 1	SQ M	47.23	40	2.94	4.29						
M7200200	SIGN PANEL - TYPE 2	SQ M	2.78		2.78							
M7290200	METAL POST - TYPE B	METER	379	379								
M7800100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ M	24	24								
M7800105	THERMOPLASTIC PAVEMENT MARKING - LINE 100MM	METER	2,980	2,980								
M7800115	THERMOPLASTIC PAVEMENT MARKING - LINE 150MM	METER	200	200								
M7800120	THERMOPLASTIC PAVEMENT MARKING - LINE 200MM	METER	125	125								
M7800125	THERMOPLASTIC PAVEMENT MARKING - LINE 300MM	METER	82	82								
M7800140	THERMOPLASTIC PAVEMENT MARKING - LINE 600MM	METER	43	43								
M7802010	POLYUREA PAVEMENT MARKING, TYPE I - LINE 100MM	METER	3,266	3,266								
M7802015	POLYUREA PAVEMENT MARKING, TYPE I - LINE 150MM	METER	1,745	1,745								
M7802020	POLYUREA PAVEMENT MARKING, TYPE I - LINE 200MM	METER	270	270								
M7802030	POLYUREA PAVEMENT MARKING, TYPE I - LINE 300MM	METER	82	82								
M7802060	POLYUREA PAVEMENT MARKING, TYPE I - LINE 600MM	METER	148	148								
M7830100	PAVEMENT MARKING REMOVAL	SQ M	720	720								
M8100060	CONDUIT IN TRENCH, 50MM DIA., GALVANIZED STEEL	METER	1,946.6		147.6	302.4	1,496.6					
M8100070	CONDUIT IN TRENCH, 65MM DIA., GALVANIZED STEEL	METER	101.6		35.2	66.4						
M8100100	CONDUIT IN TRENCH, 100MM DIA., GALVANIZED STEEL	METER	16.1		6.4	9.7						
M8100240	CONDUIT IN TRENCH, 30MM DIA., PVC	METER	30.0				30					
M8100280	CONDUIT IN TRENCH, 75MM DIA., PVC	METER	2.0				2					
M8101050	CONDUIT PUSHED, 50MM DIA., GALVANIZED STEEL	METER	207.0		51.4	45.3	170.3					
M8101090	CONDUIT PUSHED, 100MM DIA., GALVANIZED STEEL	METER	180.4		97.7	82.7						

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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 ILLINOIS ROUTE 22  
 SUMMARY OF QUANTITIES  
 SCALE: NTS  
 DATE: 03/11/05  
 DRAWN BY: SMP  
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SUMMARY OF QUANTITIES

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	20 WRS-6	LAKE	318	11
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 62030				

CODE NO.	ITEM	UNIT	URBAN TOTAL QUANTITY	ROADWAY		TRAFFIC SIGNAL RTE 22 @ OAKWOOD/OLD MILL GROVE	TRAFFIC SIGNAL RTE 22 @ QUENTIN	TRAFFIC SIGNAL INTERCONNECT	TRAFFIC SIGNAL EMERGENCY PRE-EMPTION	LAKE ZURICH	STORM SEWERS
				80% FED 20% STATE J000-2A	10% STATE 10% LAKE ZURICH Y031-1F	80% FED 10% STATE 10% LAKE CO. Y031-1F	80% FED 20% STATE Y031-1F	100% LAKE ZURICH Y031-3D	100% LAKE ZURICH Y060		
M8101100	CONDUIT PUSHED, 125MM DIA., GALVANIZED STEEL	METER	46.0				46.0				
M8101470	CONDUIT PUSHED, 75MM DIA., PVC	METER	26.0					26			
M8150200	TRENCH AND BACKFILL FOR ELECTRIC WORK	METER	2,157.5		260.3	376.6	1,520.6				
M8731210	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 2C	METER	151.3		151.3						
M8731220	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO.14 3C	METER	512.2		260.2	252.0					
M8731240	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO.14 5C	METER	738.6		272.9	465.7					
M8731250	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 7C	METER	1,523.3		645.0	878.3					
M8731300	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	METER	1,552.6		530.8	1,021.8					
M8731800	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	METER	87.4		45.8	41.6					
M8750510	TRAFFIC SIGNAL POST, GALVANIZED STEEL, 4.85 METER	EACH	8		4	4					
M8770055	STEEL MAST ARM ASSEMBLY AND POLE, 10.36 METER	EACH	1		1						
M8770060	STEEL MAST ARM ASSEMBLY AND POLE, 10.97 METER	EACH	1		1						
M8770075	STEEL MAST ARM ASSEMBLY AND POLE, 12.80 METER	EACH	1			1					
M8770080	STEEL MAST ARM ASSEMBLY AND POLE, 13.41 METER	EACH	1			1					
M8770090	STEEL MAST ARM ASSEMBLY AND POLE, 14.63 METER	EACH	4		2	2					
M8780100	CONCRETE FOUNDATION TYPE A	METER	9.6		4.8	4.8					
M8780200	CONCRETE FOUNDATION TYPE D	METER	3.6		1.2	1.2	1.2				
M8780400	CONCRETE FOUNDATION, TYPE E, 750MM DIAMETER	METER	16.4		8.2	8.2					
M8860100	DETECTOR LOOP, TYPE 1	METER	77				77				
MZ001050	AGGREGATE SUBGRADE 300MM	SQ M	75,038	75,038							
MZ028415	GEOTECHNICAL REINFORCEMENT	SQ M	64	64							
MZ056800	SANITARY SEWER 150MM	METER	34.5						34.5		
MZ056900	SANITARY SEWER 200MM	METER	365.1						365.1		
MZ057000	SANITARY SEWER 250MM	METER	239.9						239.9		
MZ057100	SANITARY SEWER 300MM	METER	41.7						41.7		
MX030063	STORM SEWER, (WATER MAIN REQUIREMENTS), 300MM	METER	31	30							1
MX030064	STORM SEWER, (WATER MAIN REQUIREMENTS), 450MM	METER	20	16							4
MX030102	STORM SEWER, (WATER MAIN REQUIREMENTS), 375MM	METER	22	20							2

- ⊙ - DENOTES SPECIALTY ITEMS
- △ - Y080 COST CODE

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION ILLINOIS ROUTE 22
NAME	DATE	
		SUMMARY OF QUANTITIES

SCALE NTS  
DATE: 03/11 '05

DRAWN BY: SMP  
CHECKED BY: BDH



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	20 WRS-6	LAKE	318	13
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 62030				

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	URBAN TOTAL QUANTITY	ROADWAY	TRAFFIC SIGNAL RTE 22 @ OAKWOOD/OLD MILL GROVE	TRAFFIC SIGNAL RTE 22 @ QUENTIN	TRAFFIC SIGNAL INTERCONNECT	TRAFFIC SIGNAL EMERGENCY PRE-EMPTION	LAKE ZURICH
				80% FED 20% STATE J000-2A	80% FED 10% STATE 10% LAKE ZURICH Y031-1F	80% FED 10% STATE 10% LAKE CO. Y031-1F	80% FED 20% STATE Y031-1F	100% LAKE ZURICH Y031-3D	100% LAKE ZURICH Y060
X0323116	REFLECTOR MARKERS, TYPE B	EACH	4	4					
X0323260	SEDIMENT BASIN	EACH	3	3					
X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	18	18					
X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	16	16					
X4023000	TEMPORARY ACCESS (ROAD)	EACH	8	8					
X7015000	CHANGEABLE MESSAGE SIGN	CAL MO	64	64					
X8050015	SERVICE INSTALLATION - POLE MOUNT	EACH	2		1	1			
X8800020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	8		4	4			
X8800040	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4		4				
X8800045	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	10		4	6			
X8800070	SIGNAL HEAD, LED, 2-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2			2			
X8805280	SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5-SECTION, BRACKET MOUNTED	EACH	2			2			
X8810610	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED	EACH	2		2				
X0324971	INLETS, 1.2M DIAMETER, SPECIAL	EACH	1	1					
MX407515	BITUMINOUS CONCRETE PAVEMENT (FULL DEPTH), SUPERPAVE, 365MM	SQ M	10,209	10,209					
MX090315	DROP SANITARY MANHOLES, 1.2M DIAMETER WITH FRAME, LID AND CHIMNEY SEAL	EACH	1					1	
**Z0030280	IMPACT ATTENUATORS, TEMPORARY (SEVERE USE, NARROW), TEST LEVEL 3	EACH	14	14					
**Z0030360	IMPACT ATTENUATORS, RELOCATE (SEVERE USE), TEST LEVEL 3	EACH	7	7					
MX033540	PIPE CULVERT REMOVAL, 300MM	METER	153	153					
M7802000	POLYUREA PAVEMENT MARKING, TYPE I - LETTERS AND SYMBOLS	SQ M	103	103					
MX033541	SALVAGE, STORE AND REINSTALL CABINET, MODEM AND SOLAR PANEL	EACH	1				1		
MX030551	SANITARY SEWER, DUCTILE IRON PIPE, 200MM DIAMETER, AUGERED	METER	28.2						28.2
MX560012	SANITARY SEWER, DUCTILE IRON PIPE, 250MM DIAMETER	METER	57.0						57.0
X0324970	SANITARY SEWER PIPE PROTECTION	EACH	8						8
M3067900	STEEL CASING 550MM	METER	47.0						47.0
MX030572	STEEL CASING AUGERED AND JACKED 550MM	METER	40.2						40.2

- \*\* - SFTY-3N
- - DENOTES SPECIALTY ITEMS
- △ - Y080 COST CODE

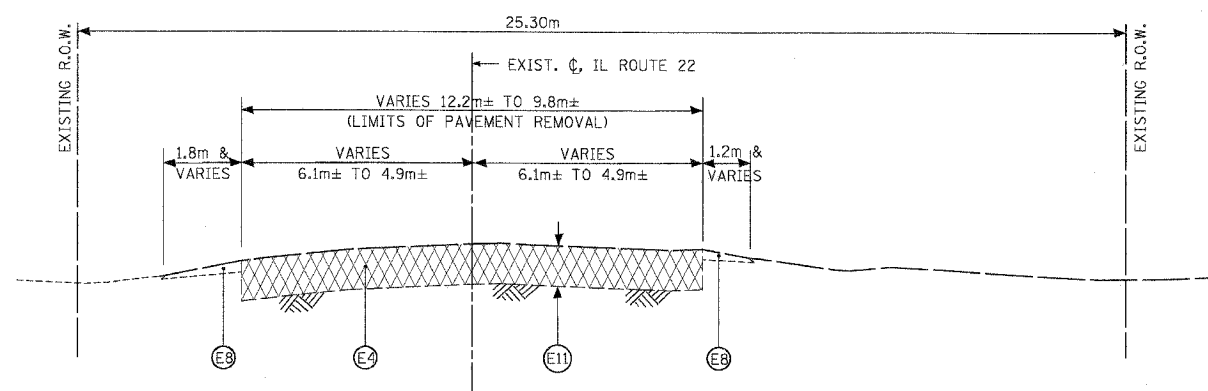
REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION ILLINOIS ROUTE 22
NAME	DATE	
		SUMMARY OF QUANTITIES

SCALE NTS      DRAWN BY: SMP  
DATE: 03/11/05      CHECKED BY: BDH

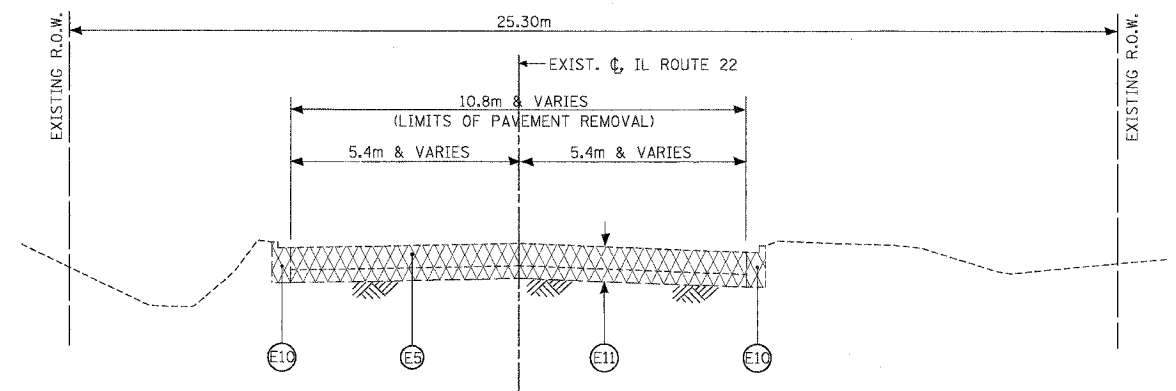
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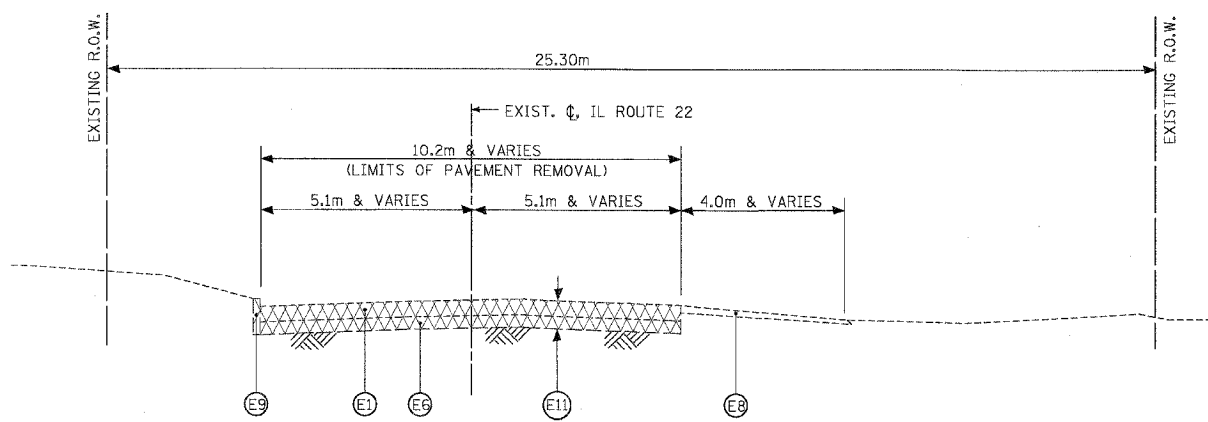
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	20 WRS-6	LAKE	3/8	14
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
CONTRACT NO. 62030				



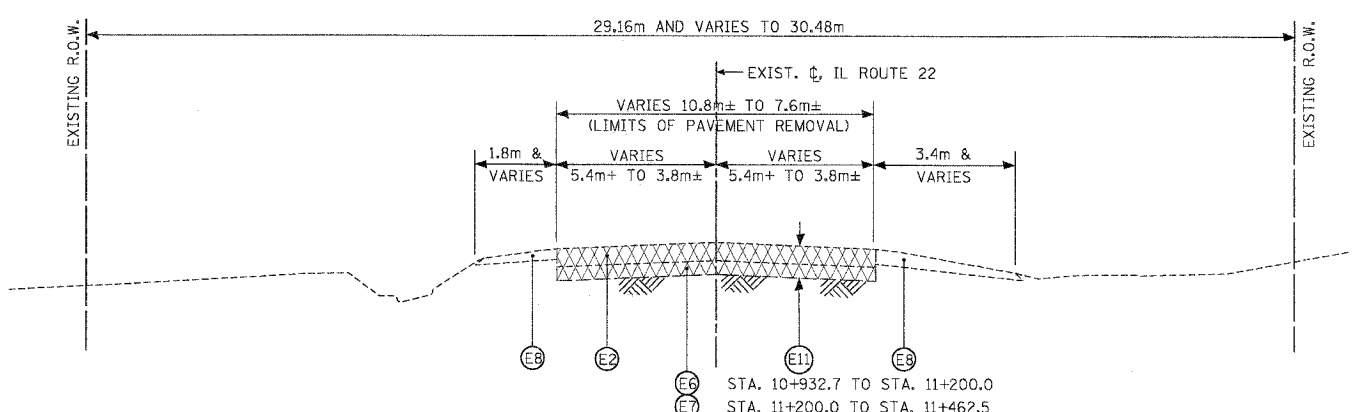
EXISTING TYPICAL SECTION - IL ROUTE 22  
STA. 10+200.0 TO STA. 10+400.0



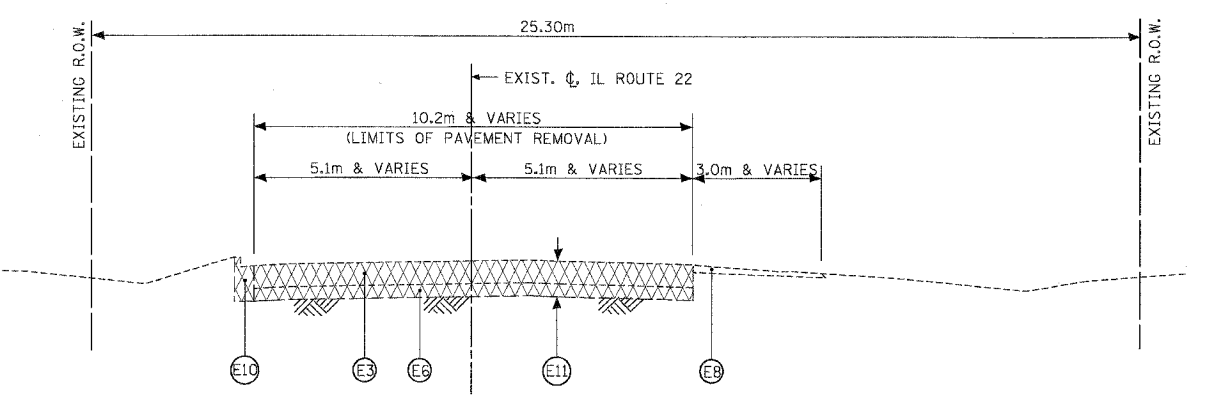
EXISTING TYPICAL SECTION - IL ROUTE 22  
STA. 10+718.3 TO STA. 10+932.7



EXISTING TYPICAL SECTION - IL ROUTE 22  
STA. 10+400.0 TO STA. 10+600.0



EXISTING TYPICAL SECTION - IL ROUTE 22  
STA. 10+932.7 TO STA. 11+462.5



EXISTING TYPICAL SECTION - IL ROUTE 22  
STA. 10+600.0 TO STA. 10+718.3

- LEGEND
- (E1) EXISTING BITUMINOUS SURFACE 190mm ±
  - (E2) EXISTING BITUMINOUS SURFACE 215mm ±
  - (E3) EXISTING BITUMINOUS SURFACE 275mm ±
  - (E4) EXISTING BITUMINOUS PAVEMENT 495mm ±
  - (E5) EXISTING BITUMINOUS PAVEMENT 320mm ±
  - (E6) EXISTING PCC BASE COURSE 175mm ±
  - (E7) EXISTING PCC BASE COURSE 235mm ±
  - (E8) EXISTING AGGREGATE SHOULDERS, THICKNESS VARIES
  - (E9) EXISTING BARRIER CURB
  - (E10) EXISTING CONCRETE CURB AND GUTTER TYPE B-15.60
  - (E11) PAVEMENT REMOVAL

REVISIONS	
NAME	DATE

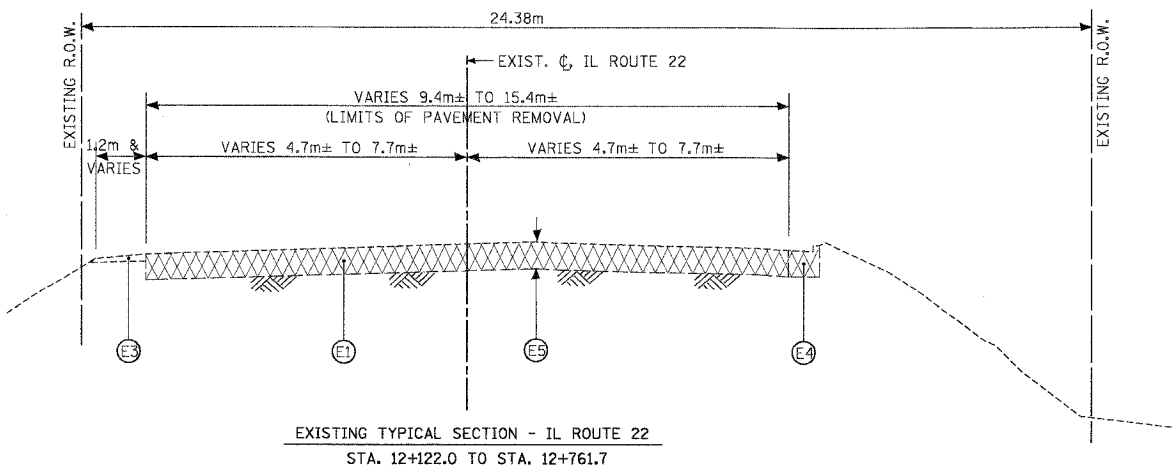
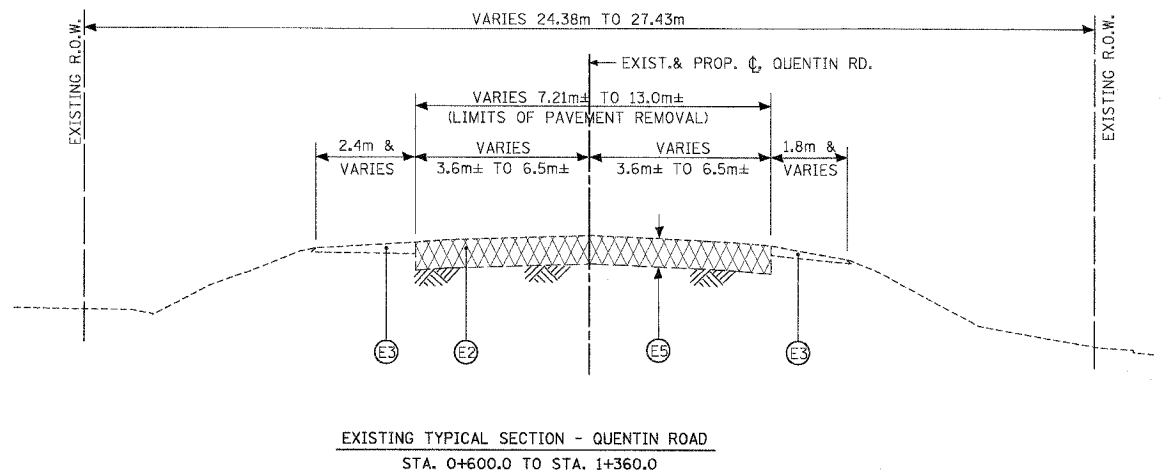
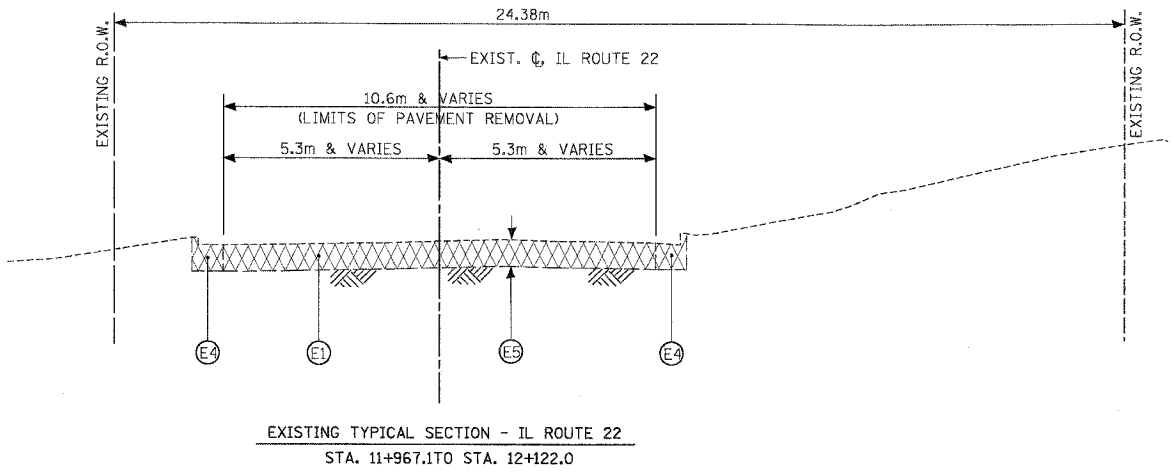
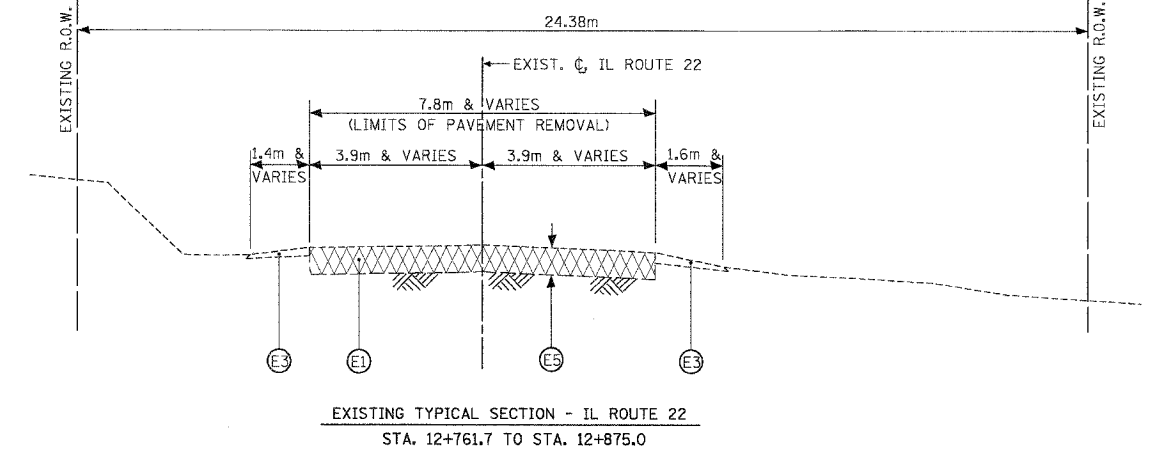
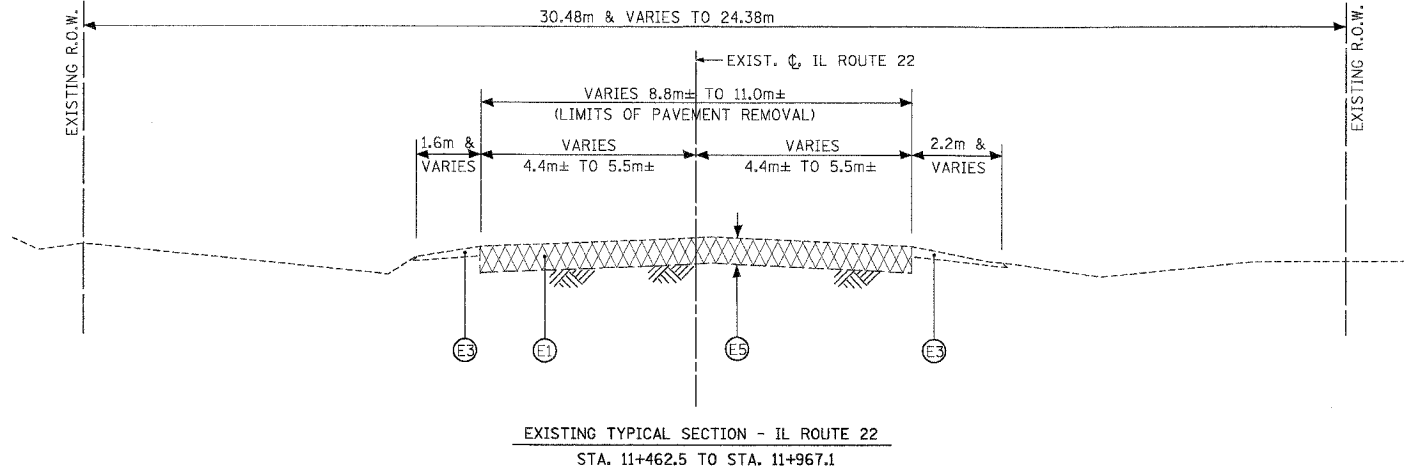
ILLINOIS DEPARTMENT OF TRANSPORTATION  
ILLINOIS ROUTE 22

EXISTING TYPICAL SECTIONS  
ILLINOIS ROUTE 22

SCALE NTS  
DATE 03/11/05

DRAWN BY BDH  
CHECKED BY SMP

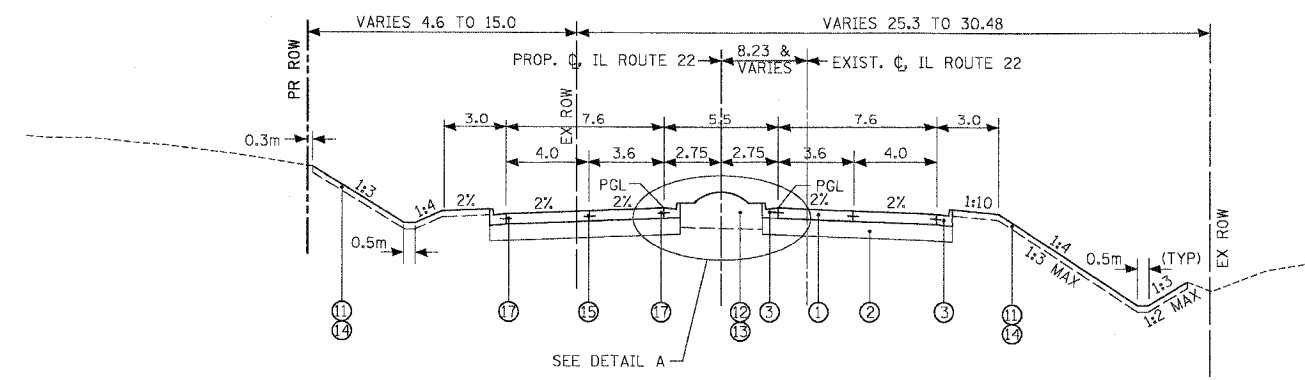
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	20 WRS-6	LAKE	318	15
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
CONTRACT NO. 62030				



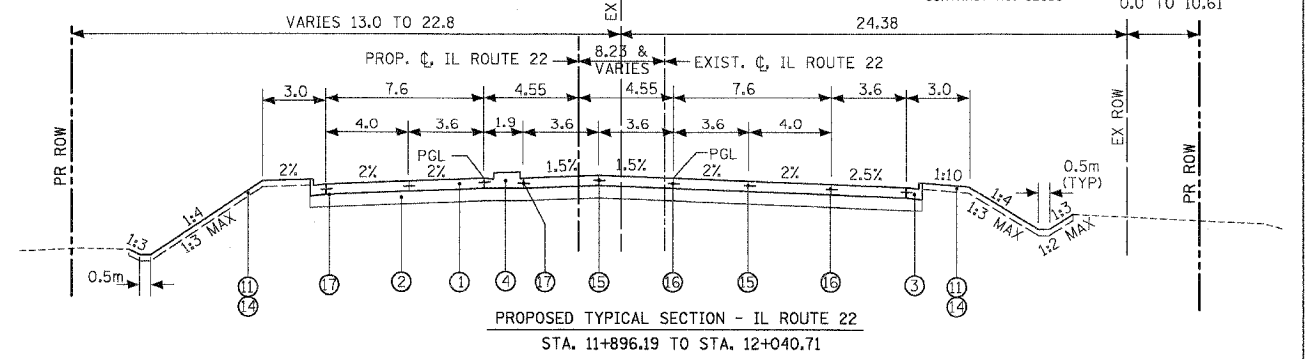
- LEGEND
- (E1) EXISTING BITUMINOUS PAVEMENT 320mm±
  - (E2) EXISTING BITUMINOUS PAVEMENT 340mm ±
  - (E3) EXISTING AGGREGATE SHOULDERS, THICKNESS VARIES
  - (E4) EXISTING CONCRETE CURB AND GUTTER, TYPE B-15.60
  - (E5) PAVEMENT REMOVAL

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION ILLINOIS ROUTE 22
NAME	DATE	
		EXISTING TYPICAL SECTIONS ILLINOIS ROUTE 22 & QUENTIN ROAD
SCALE NTS	DRAWN BY SMP	
DATE 03/11/05	CHECKED BY BDH	

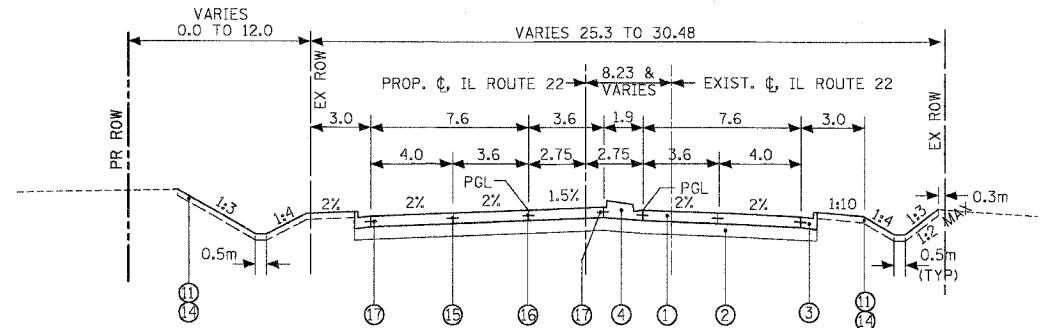
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	20 WRS-6	LAKE	318	16
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
CONTRACT NO. 62030	0.0 TO 10.61			



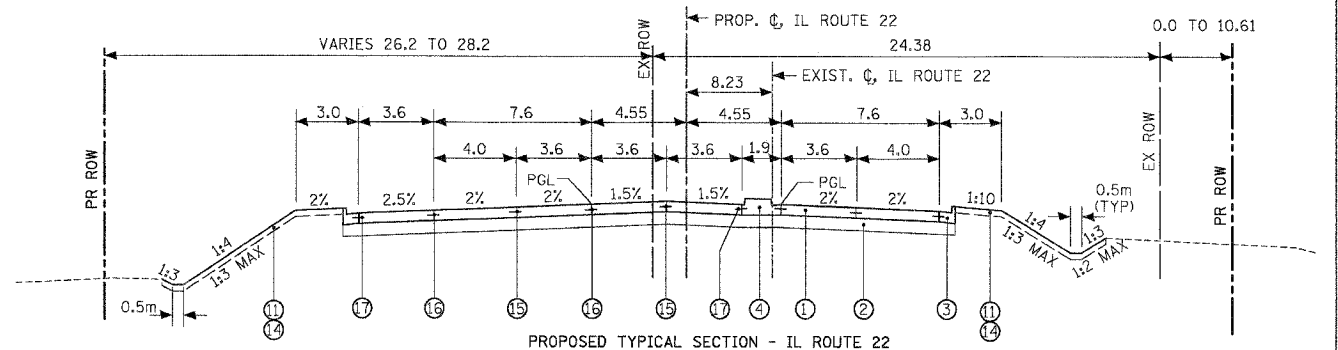
**PROPOSED TYPICAL SECTION - IL ROUTE 22**  
 STA. 10+200.00 TO STA. 10+284.54  
 STA. 10+348.00 TO STA. 10+755.83  
 STA. 10+886.52 TO STA. 11+171.25  
 STA. 11+305.69 TO STA. 11+533.16  
 STA. 11+661.90 TO STA. 11+896.19



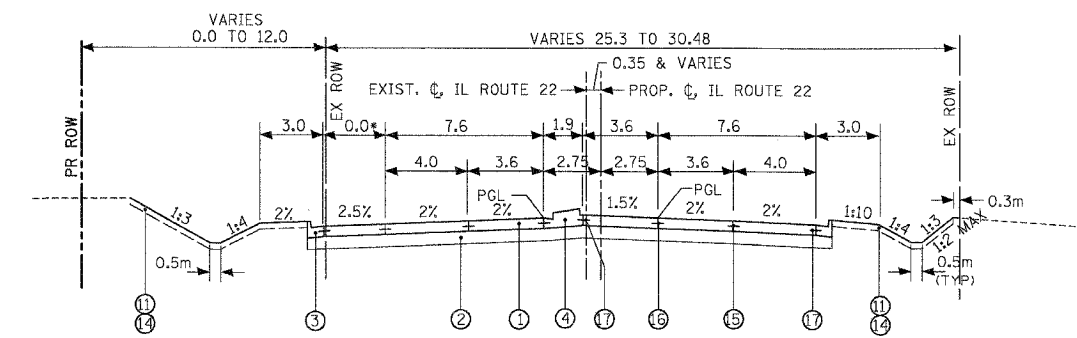
**PROPOSED TYPICAL SECTION - IL ROUTE 22**  
 STA. 11+896.19 TO STA. 12+040.71



**PROPOSED TYPICAL SECTION - IL ROUTE 22**  
 STA. 10+820.93 TO STA. 10+886.52  
 STA. 11+240.04 TO STA. 11+305.69  
 STA. 11+598.52 TO STA. 11+661.90



**PROPOSED TYPICAL SECTION - IL ROUTE 22**  
 STA. 12+040.71 TO STA. 12+215.23

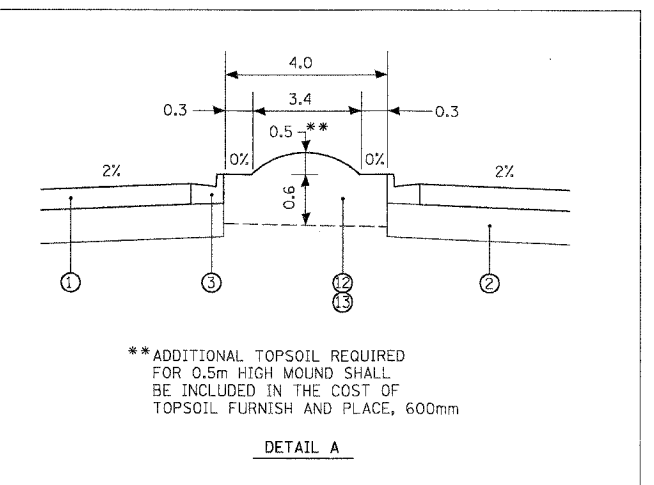


**PROPOSED TYPICAL SECTION - IL ROUTE 22**  
 STA. 10+284.54 TO STA. 10+348.00  
 STA. 10+755.83 TO STA. 10+820.93  
 STA. 11+171.25 TO STA. 11+240.04  
 STA. 11+533.16 TO STA. 11+598.52

\* - 3.0 FROM STA. 11+533.16 TO STA. 11+598.52

- LEGEND**
- ① PORTLAND CEMENT PAVEMENT 250mm (JOINTED)
  - ② AGGREGATE SUBGRADE 300mm
  - ③ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-15.60
  - ④ CONCRETE MEDIAN, TYPE SB (SPECIAL)
  - ⑤ \* POLYMERIZED BITUMINOUS SURFACE COURSE, SUPERPAVE, MIX "F", N90, 50mm
  - ⑥ \* BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19, N70, 315mm
  - ⑦ AGGREGATE SHOULDERS, TYPE B, 200mm
  - ⑧ AGGREGATE SHOULDERS, TYPE B, 250mm
  - ⑨ BITUMINOUS SHOULDERS, SUPERPAVE 200mm
  - ⑩ BITUMINOUS SHOULDERS, SUPERPAVE 250mm
  - ⑪ TOPSOIL FURNISH AND PLACE, 100mm
  - ⑫ TOPSOIL FURNISH AND PLACE, 600mm
  - ⑬ SEEDING, CLASS 2A
  - ⑭ SEEDING OR SODDING, SALT TOLERANT (SEE LANDSCAPING PLAN)
  - ⑮ SAWED LONGITUDINAL JOINT WITH 750mm LONG DEFORMED EPOXY-COATED NO. 20 TIE BARS @ 750mm CTS.
  - ⑯ LONGITUDINAL CONSTRUCTION JOINT WITH 600mm LONG GROUTED IN PLACE DEFORMED EPOXY-COATED NO. 25 TIE BARS @ 600mm CTS.
  - ⑰ 600mm LONG DEFORMED EPOXY-COATED NO. 20 TIE BARS @ 600mm CTS. GROUTED IN PLACE
  - ⑱ BITUMINOUS MATERIALS (PRIME COAT)

\* ITEMS 5 AND 6 SHALL BE INCLUDED IN THE COST OF "BITUMINOUS CONCRETE PAVEMENT (FULL DEPTH), SUPERPAVE, 365mm.



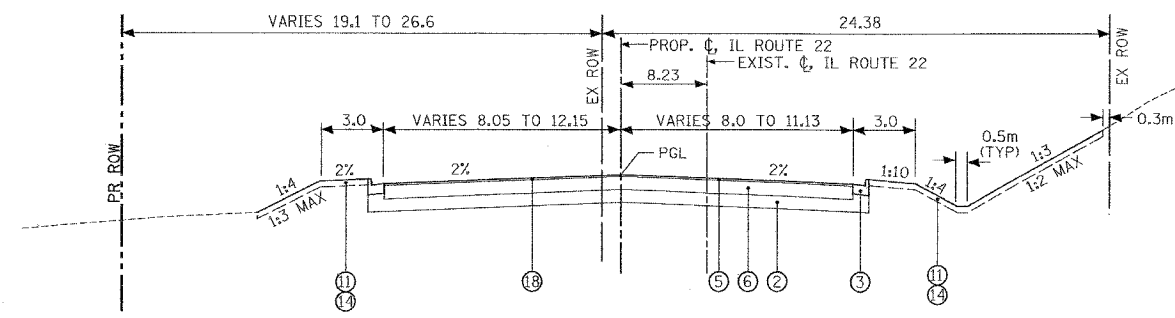
\*\* ADDITIONAL TOPSOIL REQUIRED FOR 0.5m HIGH MOUND SHALL BE INCLUDED IN THE COST OF TOPSOIL FURNISH AND PLACE, 600mm

**DETAIL A**

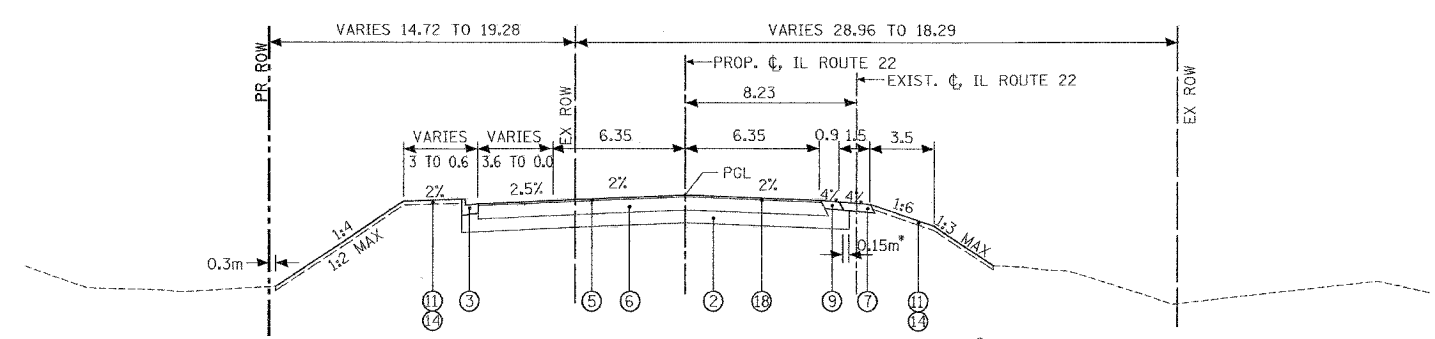
REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION ILLINOIS ROUTE 22
NAME	DATE	
		<b>PROPOSED TYPICAL SECTIONS ILLINOIS ROUTE 22</b>  SCALE NTS DATE 03/11/05 DRAWN BY SMP CHECKED BY BDH



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	20 WRS-6	LAKE	318	17
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 62030				

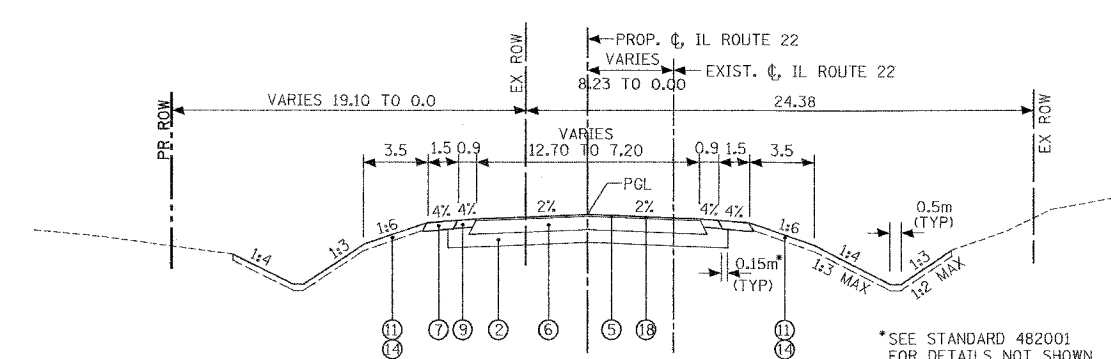


PROPOSED TYPICAL SECTION - IL ROUTE 22  
STA. 12+263.54 TO STA. 12+480.33



PROPOSED TYPICAL SECTION - IL ROUTE 22  
STA. 12+480.33 TO STA. 12+571.00

\*SEE STANDARD 482001 FOR DETAILS NOT SHOWN



PROPOSED TYPICAL SECTION - IL ROUTE 22  
STA. 12+571.00 TO STA. 12+875.00

\*SEE STANDARD 482001 FOR DETAILS NOT SHOWN

LEGEND

- ① PORTLAND CEMENT CONCRETE PAVEMENT 250mm (JOINTED)
- ② AGGREGATE SUBGRADE 300mm
- ③ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-15.60
- ④ CONCRETE MEDIAN, TYPE SB (SPECIAL)
- ⑤ \*POLYMERIZED BITUMINOUS SURFACE COURSE, SUPERPAVE, MIX "F", N90, 50mm
- ⑥ \*BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19, N70, 315mm
- ⑦ AGGREGATE SHOULDERS, TYPE B, 200mm
- ⑧ AGGREGATE SHOULDERS, TYPE B, 250mm
- ⑨ BITUMINOUS SHOULDERS, SUPERPAVE 200mm
- ⑩ BITUMINOUS SHOULDERS, SUPERPAVE 250mm
- ⑪ TOPSOIL FURNISH AND PLACE, 100mm
- ⑫ TOPSOIL FURNISH AND PLACE, 600mm
- ⑬ SEEDING, CLASS 2A
- ⑭ SEEDING OR SODDING, SALT TOLERANT (SEE LANDSCAPING PLAN)
- ⑮ SAWED LONGITUDINAL JOINT WITH 750mm LONG DEFORMED EPOXY-COATED NO. 20 TIE BARS @ 750mm CTS.
- ⑯ LONGITUDINAL CONSTRUCTION JOINT WITH 600mm LONG GROUDED IN PLACE DEFORMED EPOXY-COATED NO. 25 TIE BARS @ 600mm CTS.
- ⑰ 600mm LONG DEFORMED EPOXY-COATED NO. 20 TIE BARS @ 600mm CTS. GROUDED IN PLACE
- ⑱ BITUMINOUS MATERIALS (PRIME COAT)

\* ITEMS 5 AND 6 SHALL BE INCLUDED IN THE COST OF "BITUMINOUS CONCRETE PAVEMENT (FULL DEPTH), SUPERPAVE, 365mm.

BITUMINOUS MIXTURE REQUIREMENTS

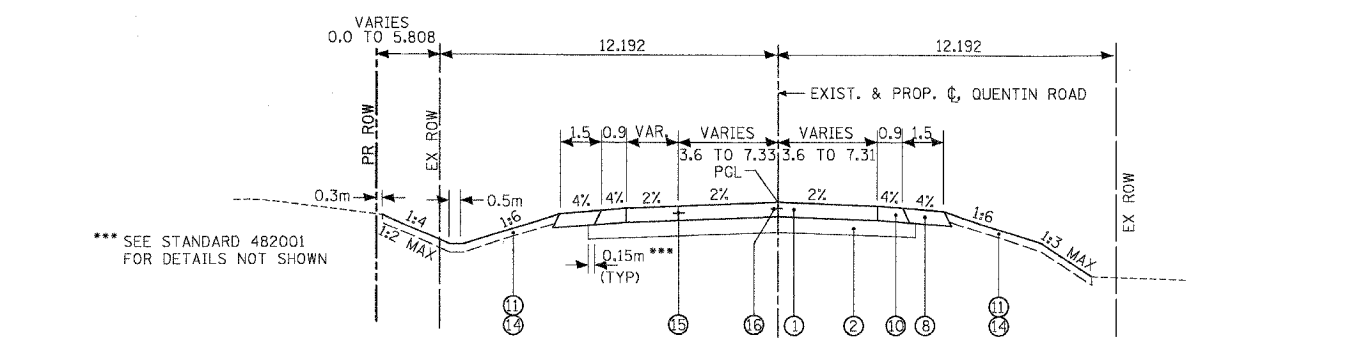
OPERATIONS	ITEM	AC TYPE	VOIDS	RAP %
STREET PAVEMENT	BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19, N90	SBS/SBR PG 70-22	4% @ 90 Gyr.	0
STREET PAVEMENT	POLYMERIZED BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "F", N90	SBS/SBR PG 70-22	4% @ 90 Gyr.	0
DRIVEWAY	BITUMINOUS BASE COURSE, SUPERPAVE, 150mm & 200mm	PG 58-22	2% @ 50 Gyr.	50
DRIVEWAY	BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", N50	PG 64-22	4% @ 50 Gyr.	15
TEMP. DRIVEWAY	LEVEL BINDER (HAND METHOD), SUPERPAVE, N50	PG 64-22	4% @ 50 Gyr.	15
PATCHING	CLASS D PATCHES, 300mm	PG 64-22	4% @ 70 Gyr.	15
SHOULDER	BITUMINOUS SHOULDER, SUPERPAVE 150mm, 200mm & 250mm	PG 58-22	2% @ 30 Gyr.	50
TEMP. ROAD	BITUMINOUS BASE COURSE, SUPERPAVE, 255mm	PG 58-22	2% @ 50 Gyr.	50
TEMP. ROAD	BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "D", N50	PG 64-22	4% @ 50 Gyr.	15

NOTE: THE TOTAL CLASS D PATCHES THICKNESS IS EQUAL TO THE TEMPORARY PAVEMENT THICKNESS; THEREFORE "BITUMINOUS REPLACEMENT OVER PATCHES" WILL NOT BE REQUIRED.

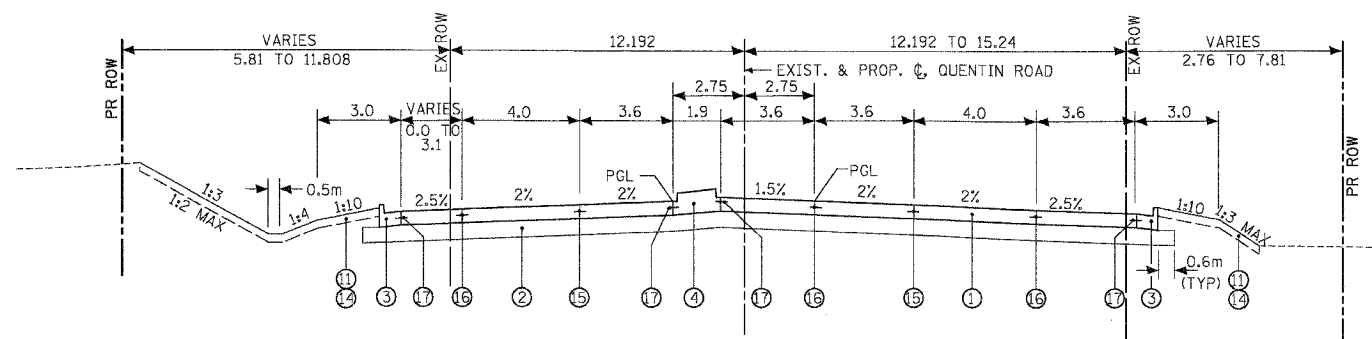
STRUCTURAL DESIGN TRAFFIC:	Year 2014
PV = 30,079	SU = 1,229 MU = 1,035
ROAD/STREET CLASSIFICATION:	Class 1
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:	
P = 32	S = 45 MU = 45
TRAFFIC FACTOR: Actual TF = 8.11	AC Type = 10
Minimum TF = 6.03	
AC GRADE Binder = PG 70-22	Surface = PG 70-22
SUBGRADE SUPPORT RATING:	
SSR = 2.00 (Sta. 10+200 to Sta. 12+875)	

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION ILLINOIS ROUTE 22	
NAME	DATE		
		PROPOSED TYPICAL SECTIONS ILLINOIS ROUTE 22	
		SCALE NTS	DRAWN BY SMP
		DATE 03/11/05	CHECKED BY BOH

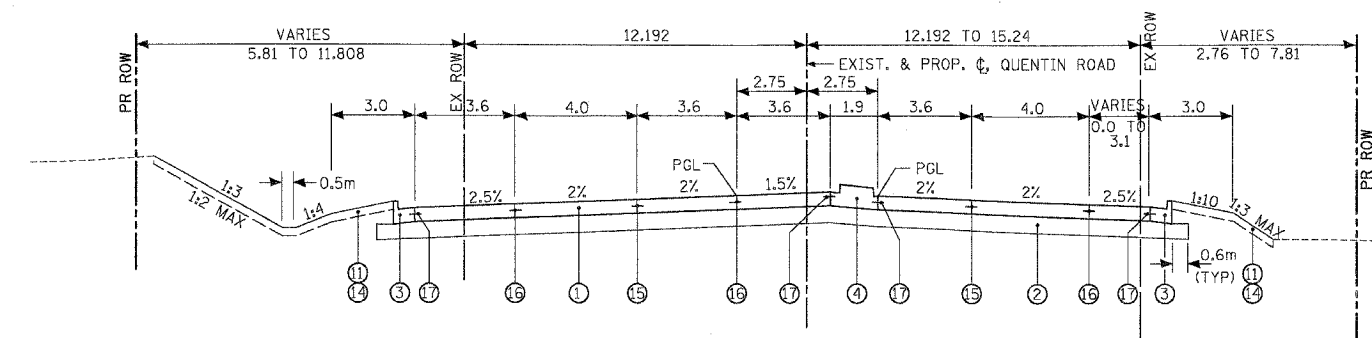
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	20 WRS-6	LAKE	318	18
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 62030				



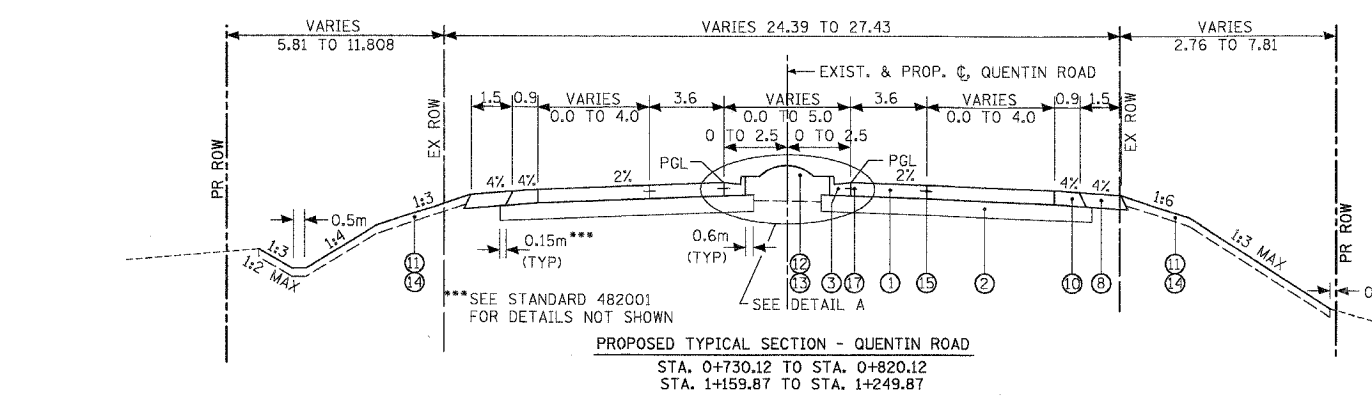
PROPOSED TYPICAL SECTION - QUENTIN ROAD  
STA. 0+600.00 TO STA. 0+730.12  
STA. 1+249.87 TO 1+360.00



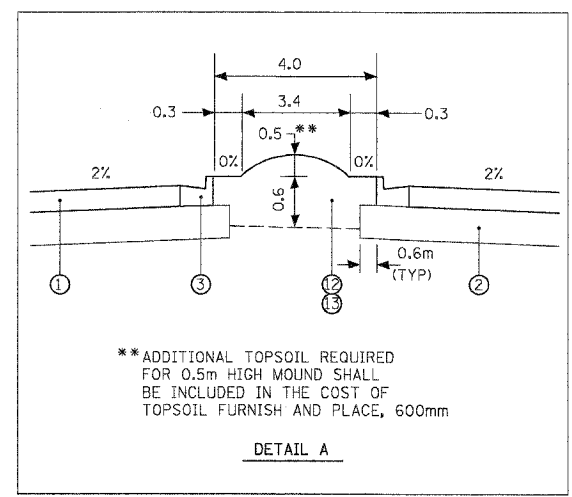
PROPOSED TYPICAL SECTION - QUENTIN ROAD  
STA. 0+900.00 TO STA. 1+000.00



PROPOSED TYPICAL SECTION - QUENTIN ROAD  
STA. 1+000.00 TO STA. 1+099.87



PROPOSED TYPICAL SECTION - QUENTIN ROAD  
STA. 0+730.12 TO STA. 0+820.12  
STA. 1+159.87 TO STA. 1+249.87



\*\*ADDITIONAL TOPSOIL REQUIRED FOR 0.5m HIGH MOUND SHALL BE INCLUDED IN THE COST OF TOPSOIL FURNISH AND PLACE, 600mm

DETAIL A

LEGEND

- ① PORTLAND CEMENT CONCRETE PAVEMENT 250mm (JOINTED)
- ② AGGREGATE SUBGRADE 300mm
- ③ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-15.60
- ④ CONCRETE MEDIAN, TYPE SB (SPECIAL)
- ⑤ \*POLYMERIZED BITUMINOUS SURFACE COURSE, SUPERPAVE, MIX "F", N90, 50mm
- ⑥ \*BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19, N70, 315mm
- ⑦ AGGREGATE SHOULDERS, TYPE B, 200mm
- ⑧ AGGREGATE SHOULDERS, TYPE B, 250mm
- ⑨ BITUMINOUS SHOULDERS, SUPERPAVE 200mm
- ⑩ BITUMINOUS SHOULDERS, SUPERPAVE 250mm
- ⑪ TOPSOIL FURNISH AND PLACE, 100mm
- ⑫ TOPSOIL FURNISH AND PLACE, 600mm
- ⑬ SEEDING, CLASS 2A
- ⑭ SEEDING OR SODDING, SALT TOLERANT (SEE LANDSCAPING PLAN)
- ⑮ SAWED LONGITUDINAL JOINT WITH 750mm LONG DEFORMED EPOXY-COATED NO. 20 TIE BARS @ 750mm CTS.
- ⑯ LONGITUDINAL CONSTRUCTION JOINT WITH 600mm LONG GROUDED IN PLACE DEFORMED EPOXY-COATED NO. 25 TIE BARS @ 600mm CTS.
- ⑰ 600mm LONG DEFORMED EPOXY-COATED NO. 20 TIE BARS @ 600mm CTS. GROUDED IN PLACE
- ⑱ BITUMINOUS MATERIALS (PRIME COAT)

\* ITEMS 5 AND 6 SHALL BE INCLUDED IN THE COST OF "BITUMINOUS CONCRETE PAVEMENT (FULL DEPTH), SUPERPAVE, 365mm.

SOILS NOTE:

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

THE LIMITS OF UNSTABLE AND/OR UNSUITABLE SOILS ARE AT THE APPROXIMATE LOCATIONS AS FOLLOWS:

STA. TO STA.	ESTIMATED UNDERCUT DEPTH	ESTIMATED UNDERCUT
IL ROUTE 22:		
10+845 TO 10+950	150mm	473 CU YD
10+950 TO 11+050	300mm	384 CU YD
11+150 TO 11+250	300mm	639 CU YD
11+540 TO 11+605	200mm	1,023 CU YD WITH GEOTECHNICAL FABRIC
11+605 TO 11+630	500mm & VARIES	156 CU YD
11+630 TO 11+657	1050mm & VARIES	454 CU YD WITH GEOTECHNICAL FABRIC
11+657 TO 11+680	2100mm & VARIES	547 CU YD
11+850 TO 11+950	150mm	822 CU YD
12+250 TO 12+320	1020mm & VARIES	1,208 CU YD WITH GEOTECHNICAL FABRIC
12+710 TO 12+769	600mm	373 CU YD
12+769 TO 12+815	450mm & VARIES	122 CU YD WITH GEOTECHNICAL FABRIC
12+815 TO 12+875	200mm	822 CU YD
QUENTIN RD.:		
0+600 TO 0+800	150mm	473 CU YD

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
ILLINOIS ROUTE 22

PROPOSED TYPICAL SECTIONS  
QUENTIN ROAD

SCALE NTS  
DATE 02/11/05

DRAWN BY SMP  
CHECKED BY BDH

TEMPORARY FENCE	
LOCATION	LENGTH (METER)
STA 10+200 TO STA 10+650	75
STA 10+650 TO STA 11+000	200
STA 11+000 TO STA 11+700	120
<b>TOTAL</b>	<b>395</b>

TREE REMOVAL (6 TO 15 UNIT DIA)		
STATION	OFFSET (METER)	QUANTITY (UNIT)
10+263	14.5 LT	15
10+264	14.5 RT	12
10+277	11 LT	8
10+311	13 LT	8
10+315	14 LT	8
10+319	14 LT	8
10+321	13 LT	8
10+328	18 LT	12
10+343	19 LT	12
10+352	19 LT	15
10+471.5	11.5 LT	10
10+477	14 LT	6
10+478	20 LT	10
10+504.5	15 LT	12
10+598	12 LT	10
10+646.5	19 LT	6
10+650	15 LT	6
10+652	18 LT	6
10+656	17 LT	6
10+682	17 LT	15
10+688	19 LT	15
10+752	19 LT	15
10+755	17 LT	15
10+789	18.5 LT	12
10+813.5	29 RT	10
10+835	19 RT	12
10+841.5	18 LT	6
10+846	12 RT	10
10+849.5	9.5 RT	10
10+858	10 RT	6
10+874	13 RT	15
10+878	11 RT	15
10+882.5	15 LT	6
10+888	11 RT	15
10+890	15.5 LT	8
10+902	15.5 LT	10
10+913	15.5 LT	8
10+930	15.5 LT	8
10+953	19 LT	12
10+979	13.5 RT	8
10+979.5	13.5 RT	8
10+980	13.5 RT	8
11+007	15 LT	12
11+016	13 RT	12
11+021	13 RT	12
11+029.5	13.5 RT	15
11+034	13 RT	8
11+098	14 RT	8
11+099	14 RT	12
11+106.5	13.5 RT	8
11+110	13.5 RT	6
11+156	11 LT	8
11+156	12 LT	8
11+163	9 LT	12
11+166	9 LT	12
11+167	9.5 LT	6
11+170	9.5 LT	8
11+170.5	9 LT	8
11+171	9.5 LT	8
11+174.5	10 LT	12
11+209	9.5 LT	15
11+213	10 LT	15
11+217	9.5 LT	15
11+220.5	9.5 LT	12
11+259	13 LT	12
11+261	12 LT	12
11+264	12 LT	12
11+266	11 LT	10
11+268	10 LT	11
11+271	17 LT	10
11+274	17 LT	10
11+284	11 LT	14
11+287	11 LT	8

TREE REMOVAL (6 TO 15 UNIT DIA)		
STATION	OFFSET (METER)	QUANTITY (UNIT)
11+288	12 LT	7
11+289	12 LT	12
11+290	10 LT	8
11+292	11 LT	10
11+295	12 LT	10
11+298	12 LT	12
11+298	12 LT	15
11+302	12 LT	10
11+306	12 LT	10
11+320	11 LT	6
11+329	5 LT	8
11+340	14 LT	7
11+350	12 LT	8
11+354	12 LT	12
11+358	8 LT	15
11+364	10 LT	15
11+369	12 LT	13
11+371	9 LT	12
11+374	8 LT	12
11+376	7 LT	6
11+377	8 LT	6
11+377	8 LT	12
11+382	7 LT	8
11+384	7 LT	10
11+387	7 LT	12
11+389	14 LT	14
11+397	11 LT	13
11+399	18 LT	12
11+400	7 LT	6
11+401	20 LT	14
11+402	7 LT	7
11+403	9 LT	6
11+404	7 LT	11
11+406	7 LT	6
11+406	10 LT	9
11+407	7 LT	8
11+407	10 LT	9
11+409	7 LT	10
11+409	10 LT	8
11+412	9 LT	7
11+413	7 LT	12
11+415	7 LT	10
11+415	9 LT	8
11+416	20 LT	8
11+451	8 LT	9
11+453	13 LT	12
11+458	6 LT	11
11+462	12 LT	6
11+464	7 LT	15
11+467	8 LT	12
11+472	17 LT	6
11+473	13 LT	10
11+474	17 LT	8
11+474	19 LT	8
11+475	12 LT	6
11+477	13 LT	7
11+478	9 LT	8
11+486	15 LT	7
11+505	17 LT	6
11+506	4 LT	6
11+507	12 LT	8
11+508	8 LT	6
11+509	15 LT	6
11+522	7 LT	10
11+523	9 LT	7
11+523	12 LT	12
11+523	13 LT	9
11+541	14 LT	7
11+560	6 LT	12
11+581	5 LT	7
11+603	9 LT	6
11+603	17 LT	15
11+606	9 LT	6
11+610	10 LT	6
11+613	10 LT	6
11+615	10 LT	6
11+618	10 LT	6
11+620	10 LT	6
11+631	12 LT	10
11+684	9 LT	12
11+686	7 LT	8
11+689	21 LT	8
11+690	15 LT	8
11+694	13 LT	12
11+695	20 LT	8
11+707	18 LT	12
11+735	15 LT	12
11+726	19 RT	10

TREE REMOVAL (6 TO 15 UNIT DIA)		
STATION	OFFSET (METER)	QUANTITY (UNIT)
11+727	19 RT	6
11+730	19 RT	10
11+731	19 RT	8
11+733	18 RT	6
11+734	19 RT	10
11+735	16 RT	10
11+738	17 RT	11
11+739	18 RT	12
11+741	14 LT	10
11+743	7 LT	8
11+744	7 LT	12
11+744	17 RT	14
11+750	18 RT	10
11+753	18 RT	8
11+755	18 RT	10
11+756	19 RT	12
11+758	18 RT	6
11+760	19 RT	6
11+761	15 RT	6
11+761	16 RT	6
11+761	8 LT	6
11+763	19 RT	6
11+764	7 LT	8
11+765	18 RT	8
11+766	17 RT	12
11+767	19 RT	6
11+769	19 RT	12
11+771	19 RT	6
11+772	19 RT	6
11+772	16 RT	10
11+774	19 RT	10
11+775	19 RT	8
11+775	16 RT	7
11+777	19 RT	10
11+778	9 LT	14
11+778	10 LT	8
11+778	12 LT	8
11+778	7 LT	8
11+780	19 RT	7
11+781	19 RT	7
11+784	19 RT	12
11+790	7 LT	6
11+793	19 RT	12
11+795	9 LT	14
11+797	19 RT	6
11+799	17 RT	8
11+807	6 LT	8
11+810	8 LT	8
11+811	7 LT	10
11+811	9 LT	10
11+819	9 LT	8
11+821	11 LT	8
11+854	15.5 RT	15
11+856	15.5 RT	15
11+857	16.5 RT	15
11+866	17 RT	6
11+882	13 LT	14
11+886	5 LT	14
11+975	8 LT	12
11+979	18 LT	10
11+981	5.5 LT	6
11+983	21.5 RT	14
11+996	17.5 LT	8
11+997	10 LT	8
12+069	16 RT	8
12+071	17 RT	6
12+073	17 RT	6
12+075	17 RT	8
12+077	4 LT	14
12+077	17 RT	8
12+078	17 RT	13
12+080	3 LT	15
12+081	17 RT	12
12+081	18 RT	10
12+085	17 RT	10
12+088	4 LT	10
12+090	18 RT	8
12+091	7 LT	8
12+091	17 RT	13
12+093	17 RT	10
12+095	3 LT	10
12+096	17 RT	10
12+097	4 LT	8
12+098	17 RT	9
12+099	2 LT	10
12+099	3 LT	8
12+100	17 RT	9
12+103	19 RT	10

TREE REMOVAL (6 TO 15 UNIT DIA)		
STATION	OFFSET (METER)	QUANTITY (UNIT)
12+105	2 LT	8
12+105	3 LT	6
12+107	19 RT	10
12+111	1 RT	10
12+114	17 RT	13
12+115	3 LT	10
12+117	3 LT	14
12+121	17 RT	6
12+123	3 LT	12
12+124	3 LT	12
12+125	18 RT	12
12+126	2 LT	12
12+126	18 RT	12
12+130	2 LT	12
12+135	3 LT	6
12+137	3 LT	12
12+139	3 LT	6
12+140	3 LT	6
12+142	3 LT	8
12+144	3 LT	10
12+146	3 LT	10
12+147	3 LT	8
12+149	3 LT	8
12+150	17 RT	6
12+153	17 RT	6
12+158	17 RT	10
12+158	17 RT	10
12+158	17 RT	10
12+168	17 RT	10
12+170	17 RT	10
12+174	2 LT	12
12+176	5 LT	12
12+177	2 LT	8
12+180	5 LT	8
12+194	6 LT	6
12+195	6 LT	10
12+196	6 LT	7
12+198	22 RT	8
12+201	22 RT	6
12+202	2 LT	8
12+203	20 RT	6
12+209	22 RT	8
12+210	21 RT	6
12+211	4 LT	10
12+212	4 LT	7
12+212	4 LT	12
12+218	5 LT	6
12+220	5 LT	6
12+221	5 LT	8
12+231	5 LT	7
12+232	4 LT	6
12+235	4 LT	10
12+239	6 LT	10
12+240	3 LT	6
12+247	6 LT	12
12+248	7 LT	10
12+249	5 LT	9
12+254	5 LT	12
12+258	4 LT	8
12+259	5 LT	9
12+260	5 LT	12
12+279	6 LT	8
12+281	5 LT	10
12+287	6 LT	6
12+289	2 LT	10
12+290	1 LT	12
12+292	2 LT	9
12+295	3 LT	7
21+297	2 LT	7
12+300	1 LT	12
12+302	2 LT	15
12+302	1 LT	8
12+306	1 LT	6
12+307	1 LT	7
12+308	1 LT	12
12+308	1 LT	10
12+309	1 LT	11
12+309	1 LT	15
12+311	6 LT	10
12+312	2 LT	10
12+314	4 LT	12
12+315	1 LT	14
12+316	6 LT	8
12+317	1 LT	14
12+320	1 LT	12
12+321	1 LT	10
12+330	2 LT	8

TREE REMOVAL (6 TO 15 UNIT DIA)		
STATION	OFFSET (METER)	QUANTITY (UNIT)
12+330	3 LT	9
12+331	2 LT	10
12+332	1 LT	12
12+335	4 LT	10
12+336	2 LT	10
12+337	0	6
12+339	2 LT	12
12+344	4 LT	10
12+352	1 LT	12
12+352	3 LT	14
12+354	1 LT	10
12+355	4 LT	13
12+357	3 LT	7
12+367	3 LT	10
12+369	1 LT	9
12+370	2 LT	8
12+371	0	11
12+371	1 LT	7
12+379	1 LT	8
12+383	3 LT	9
12+384	2 LT	10
12+386	2 LT	10
12+387	3 LT	10
12+388	1 LT	7
12+391	3 LT	8
12+393	1 LT	12
12+394	0	7
12+394	4 LT	6
12+395	0	7
12+395	2 LT	6
12+396	3 LT	8
12+401	1 LT	6
12+402	1 LT	8
12+402	0	7
12+403	1 RT	10
12+404	1 RT	10
12+405	3 LT	6
12+406	1 LT	8
12+407</		

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	20 WRS-6	LAKE	318	20
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 62030				

STATION	OFFSET (METER)	QUANTITY (UNIT)
12+686	4 LT	12
12+745	16 RT	24
12+746	17 RT	13
12+773	14 RT	12
12+773.5	17 RT	60
12+774	15 RT	60
12+847.5	8 LT	28
12+859	8 LT	32
12+862	8 LT	21
0+799	12 LT	12
0+805	12 LT	12
0+824	13 RT	6
0+825	13 RT	15
0+832	13 RT	48
0+840	12 RT	12
0+904	17 RT	12
0+918	13 LT	12
0+939	13 LT	10
0+945	14 LT	14
0+947	19.5 LT	8
0+950	18 RT	12
0+951	19.5 LT	8
0+955	19.5 LT	8
0+959	19.5 LT	6
0+963	19.5 LT	6
1+034	24 LT	10
1+035	17.5 RT	14
1+039	18 LT	6
1+041	11.5 LT	15
1+042	21 LT	12
1+050	16 RT	14
1+054	14 RT	6
1+058	15 LT	6
1+064	15 LT	6
1+068.5	15 LT	8
1+086	15 RT	8
1+130.5	14 LT	6
1+136	14 LT	8
1+137	14 LT	6
1+138	13 RT	12
1+139	14.5 RT	14
1+142	16 LT	6
1+146.5	16 LT	6
1+149	15 LT	6
1+152	12 RT	12
1+180	16 LT	6
1+185	15 LT	6
1+204	15 LT	6
1+215	13.5 LT	6
TOTAL QUANTITY =		4,484

STATION	OFFSET (METER)	QUANTITY (UNIT)
10+230	14.5 RT	36
10+238	18.5 LT	20
10+261	18.5 LT	18
10+271	16 LT	20
10+338	16 LT	18
10+364	19 LT	18
10+376	19.5 LT	20
10+388	19.5 LT	18
10+401	19.5 LT	20
10+419	20 LT	18
10+429	20 LT	18
10+566	15.5 LT	18
10+806.5	16 RT	18
10+993	13 RT	24
11+007	17 LT	18
11+078	16 LT	36
11+097.5	10 LT	54
11+113.5	10 LT	36
11+119	10 LT	30
11+129	10 LT	36
11+134.5	10 LT	36
11+189	18 LT	60
11+200.5	9.5 LT	30
11+204.5	10 LT	24
11+239	13 RT	18
11+271	12 LT	18
11+324	16 LT	29

STATION	OFFSET (METER)	QUANTITY (UNIT)
11+333	15 LT	24
11+338	18 RT	28
11+345	42 RT	18
11+346	29 RT	18
11+353.5	18 RT	18
11+379	9 LT	47
11+381	17 LT	16
11+381	17 LT	16
11+382	20.5 RT	18
11+388	19 LT	28
11+394	20.5 RT	32
11+397	7 LT	17
11+401	11 LT	18
11+402	17 LT	18
11+406	20 LT	30
11+407	21 RT	28
11+411	11 LT	16
11+413	10 LT	16
11+415	20 LT	30
11+417.5	21.5 RT	32
11+422	6.5 LT	24
11+426	6 LT	18
11+430	6.5 LT	30
11+435	23 RT	20
11+439	5 LT	30
11+440	14 LT	25
11+440	19.5 LT	18
11+448	22 LT	28
11+456	11 LT	25
11+498	11 LT	22
11+498	16 LT	22
11+499	9 LT	22
11+520	16 LT	18
11+540	6 LT	30
11+545	6 LT	18
11+546	17 LT	25
11+546	18.5 LT	26
11+555	5 LT	24
11+565	6 LT	26
11+569	6 LT	25
11+588	16 LT	30
11+706	16 LT	24
11+718	16 LT	27
11+720	12 LT	18
11+736	12 LT	20
11+739	13 LT	20
11+748	13 LT	16
11+756	13 LT	22
11+777	13 LT	16
11+780	14 LT	18
11+780	7 LT	16
11+792	22 LT	22
11+802	6 LT	26
11+810	7 LT	20
11+824	8 LT	59
11+897	7 LT	20
11+983	22.5 RT	20
11+992	17 RT	24
12+000	3 LT	24
12+001	18 RT	24
12+008	21.5 RT	36
12+011	5 LT	24
12+023	25 RT	18
12+030	34 RT	18
12+061	13 LT	30
12+075	12 LT	30
12+079	16 RT	18
12+085	3 LT	26
12+087	17 RT	18
12+089	2 LT	18
12+105	17 RT	35
12+127	2 LT	20
12+131	2 LT	20
12+151	17 RT	25
12+345	1 LT	17
12+352	3 LT	18
12+364	1 LT	18
12+376	1 LT	22
12+427	1 LT	18
12+565	13 LT	20
12+588	19.5 LT	36
12+600	13 LT	32
12+610	15 LT	32
12+619	22 LT	25
12+647	2 LT	16
12+697	3.5 LT	50
12+843	8 LT	18
0+671	11 RT	16

STATION	OFFSET (METER)	QUANTITY (UNIT)
0+680	11.5 RT	16
0+701.5	12 RT	18
0+802	12 LT	24
0+953	11 LT	30
0+955	14 LT	16
0+967	11.5 LT	36
1+077	17 LT	24
1+102	14 LT	18
TOTAL QUANTITY =		2,975

STATION	OFFSET (METER)	QUANTITY (EACH)
11+906	17.1m LT	1
11+979	17.7m LT	1
TOTAL QUANTITY =		2

LOCATION	DEPT (MM)	VOLUME (CU M)
ROUTE 22		
STA. 10+845 TO STA. 10+950	150	334
STA. 10+950 TO STA. 11+050	300	549
STA. 11+150 TO STA. 11+250	300	675
STA. 11+540 TO STA. 11+605	200	350
STA. 11+605 TO STA. 11+630	900	293
STA. 11+630 TO STA. 11+642	2000	336
STA. 11+642 TO STA. 11+657	1000	240
STA. 11+657 TO STA. 11+680	1700	528
STA. 11+850 TO STA. 11+950	150	374
STA. 12+250 TO STA. 12+320	1000	1190
STA. 12+710 TO STA. 12+756	600	2898
STA. 12+756 TO STA. 12+769	900	117
STA. 12+769 TO STA. 12+815	600	166
STA. 12+815 TO STA. 12+875	200	120
QUENTIN RD.		
STA. 0+600 TO STA. 0+800	150	402
TOTAL QUANTITY =		8,572

LOCATION	AREA (SQ M)
ROUTE 22	
STA. 11+540 TO STA. 11+605	1749
STA. 11+630 TO STA. 11+657	405
STA. 12+250 TO STA. 12+320	1190
STA. 12+769 TO STA. 12+815	276
TOTAL QUANTITY = 3620	

EARTHWORK	UNSUITABLE EXCAVATION* (CU M)	SUITABLE EXCAVATION* (CU M)	SUITABLE EXCAVATION ADJUSTED FOR 15% SHRINKAGE (CU M)	EMBANKMENT (CU M)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CU M)	REMOVAL & DISPOSAL OF UNSUITABLE MAT. (CU M)	EARTH EXCAVATION (CU M)	FURNISHED EXCAVATION (CU M)
LOCATION								
PRE-STAGE:								
ROUTE 22	5,096	3,027	2,573	3,011	-438	5,096	3,011	0
DETENTION BASIN	192	1,584	1,346	0	1,346	457	652	0
QUENTIN ROAD	2,110	0	0	683	-683	2,110	683	0
OLD MILL ROAD/OAKWOOD ROAD	0	0	0	0	0	0	0	0
SUB-TOTAL =		7,398	4,611	3,919	3,694	225	7,663	4,346
STAGE 1:								
ROUTE 22	14,282	4,734	4,024	13,734	-9,710	14,282	4,734	9,710
DETENTION BASIN	0	0	0	0	0	0	0	0
QUENTIN ROAD	2,111	0	0	2,836	-2,836	2,111	0	2,836
OLD MILL ROAD/OAKWOOD ROAD	357	0	0	5	-5	357	0	5
SUB-TOTAL =		16,750	4,734	4,024	16,575	-12,551	16,750	12,551
STAGE 2:								
ROUTE 22	14,111	0	0	8,110	-8,110	14,111	0	8,110
DETENTION BASIN	0	0	0	0	0	0	0	0
QUENTIN ROAD	2,617	0	0	1,747	-1,747	2,617	0	1,747
OLD MILL ROAD/OAKWOOD ROAD	383	0	0	2	-2	383	0	2
SUB-TOTAL =		17,111	0	0	9,859	-9,859	17,111	9,859
STAGE 3:								
ROUTE 22	2,897	0	0	1,790	-1,790	2,897	0	1,790
DETENTION BASIN	0	0	0	0	0	0	0	0
QUENTIN ROAD	126	0	0	247	-247	126	0	247
OLD MILL ROAD/OAKWOOD ROAD	0	0	0	0	0	0	0	0
SUB-TOTAL =		3,023	0	0	2,037	-2,037	3,023	2,037
TOTAL QUANTITY =		44,282	9,345	7,943	32,165	-24,222	44,547	8,370
TOTAL QUANTITY =								24,447

\*ALL CUT MATERIAL SHALL BE HAULED OFF SITE DUE TO NO ON-SITE STORAGE LOCATIONS, EXCEPT FOR THE FOLLOWING LOCATIONS IDENTIFIED WITH SUITABLE ON-SITE BORROW MATERIAL TO BE USED WITHIN THE STAGE EXCAVATED.

- 1) STA. 11+345 TO 11+390 RT - DETENTION BASIN (PRE-STAGE)
- 2) STA. 11+450 TO 11+530 LT - DITCH REGRADING (STAGE 1)
- 3) STA. 11+700 TO 11+800 LT - DITCH REGRADING (STAGE 1)
- 4) STA. 11+950 TO 12+025 LT - SUBGRADE CUT (STAGE 1)
- 5) STA. 12+560 TO 12+650 LT - DITCH REGRADING (PRE-STAGE)

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION ILLINOIS ROUTE 22
NAME	DATE	
		SCHEDULE OF QUANTITIES
SCALE NTS		DRAWN BY: SMP
DATE: 03/11/05		CHECKED BY: BDH

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	20 WRS-6	LAKE	318	21
STA. 337		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS		FED. AID PROJECT
CONTRACT NO. 62030				

EROSION CONTROL BLANKET			
STATION		SIDE	AREA (SQ. M.)
FROM	TO		
FOR TEMPORARY SEEDING			
STAGE 1			
10+415	10+485	LT	198
10+585	10+635	LT	165
10+675	10+800	LT	344
10+850	10+915	LT	148
10+930	11+050	LT	218
11+100	11+230	LT	281
11+250	11+500	LT	717
11+875	12+035	RT	242
12+050	12+125	RT	153
12+725	12+950	RT	709
12+950	13+025	RT	120
0+525	1+000	LT	1104
1+000	1+325	LT	1070
1+325	1+425	LT	119
STAGE 2			
12+375	12+435	LT	91
12+625	13+025	LT	1165
0+475	0+750	RT	799
1+045	1+150	RT	203
1+175	1+400	RT	826
FOR SEEDING, CLASS 2A			
ROUTE 22			
10+200	10+258	MEDIAN	275.2
10+357	10+450	MEDIAN	380.2
10+200	10+450	SOUTH	979.6
10+450	10+750	MEDIAN	1132.9
10+450	10+750	SOUTH	1041.5
10+750	10+805	SOUTH	171.8
10+895	11+100	SOUTH	581.1
10+913	11+100	MEDIAN	735.3
10+990	11+038	NORTH	432.6
11+043	11+100	NORTH	474.4
11+100	11+231	NORTH	673.9
11+100	11+145	MEDIAN	151.6
11+100	11+247	SOUTH	470.1
11+242	11+391	NORTH	1431.8
11+252	11+389	SOUTH	959.1
11+331	11+450	MEDIAN	456.2
11+394	11+443	NORTH	451.2
11+446	11+450	NORTH	47.4
11+410	11+450	SOUTH	479.3
11+450	11+536	NORTH	781.0
11+450	11+506	MEDIAN	195.7
11+450	11+579	SOUTH	1659.9
11+604	11+638	NORTH	234.3
11+615	11+640	SOUTH	112.2
11+639	11+671	NORTH	222.0
11+642	11+800	SOUTH	858.3
11+690	11+773	NORTH	995.8
11+689	11+800	MEDIAN	486.4
11+776	11+800	NORTH	239.3
11+800	11+831	NORTH	293.8
11+800	11+883	MEDIAN	488.4
11+800	12+027	SOUTH	1469.5
11+835	11+907	NORTH	592.5
11+915	12+026	NORTH	593.7
12+055	12+150	NORTH	845.5
12+056	12+150	SOUTH	889.1
12+150	12+430	NORTH	2117.8
12+150	12+263	SOUTH	1192.1
12+226	12+278	MEDIAN	257.9
12+299	12+424	SOUTH	1524.8
12+470	12+525	SOUTH	648.2
12+474	12+525	NORTH	399.4
12+525	12+549	NORTH	169.6
12+525	12+571	SOUTH	277.2
12+553	12+614	NORTH	314.0
12+604	12+875	SOUTH	2656.3
12+617	12+875	NORTH	2489.2
QUENTIN RD.			
0+600	0+927	WEST	1623.4
0+600	0+659	EAST	286.2
0+662	0+969	EAST	1599.3
0+931	0+969	WEST	244.1
0+763	0+869	MEDIAN	279.8
1+030	1+082	WEST	491.0
1+030	1+118	EAST	727.5
1+122	1+360	EAST	1857.9
1+131	1+217	MEDIAN	196.8

EROSION CONTROL BLANKET			
STATION		SIDE	AREA (SQ. M.)
FROM	TO		
FOR SEEDING, CLASS 4			
ROUTE 22			
11+342	11+396	SOUTH	517.2
11+604	11+636	NORTH	58.4
11+615	11+640	SOUTH	128.5
11+639	11+671	NORTH	128.1
11+642	11+800	SOUTH	1144.3
11+800	11+982	SOUTH	1146.4
12+057	12+150	NORTH	261.0
12+150	12+430	NORTH	1614.7
12+485	12+525	NORTH	102.4
12+496	12+525	SOUTH	198.3
12+525	12+549	NORTH	101.3
12+525	12+571	SOUTH	441.0
12+553	12+614	NORTH	411.4
12+604	12+875	SOUTH	1436.0
12+617	12+875	NORTH	1402.8
QUENTIN RD.			
0+600	0+724	EAST	331.8
0+600	0+807	WEST	602.2
1+170	1+360	WEST	630.0
FOR SEEDING, CLASS 4B			
ROUTE 22			
11+345	11+393	SOUTH	1219.7
TOTAL			
			63,836

INLET AND PIPE PROTECTION		
STATION	SIDE	QUANTITY
PRE-STAGE / STAGE 1		
10+329	L	1
10+628	L	1
11+279	L	1
11+378	R	1
11+884	L	1
12+501	L	1
12+816	L	1
1+214	L	1
1+364	L	1
STAGE 2		
11+884	L	1
12+501	L	1
12+816	L	1
11+684	L	1
11+828	L	1
12+558	L	1
0+655	R	1
STAGE 3		
1+206	L	1
1+106	L	1
0+935	L	1
TOTAL		
		19

PERIMETER EROSION BARRIER	
LOCATION	LENGTH (METER)
10+200 TO 10+650	375
10+650 TO 11+000	150
11+000 TO 11+700	375
11+700 TO 12+350	935
12+350 TO 13+000	505
0+400 TO 1+100	638
1+100 TO 1+550	520
TOTAL	
3498	

TEMPORARY DITCH CHECKS		
STATION	OFFSET	QUANTITY
STAGE 1		
10+575	L	1
11+140	L	1
11+225	L	1
11+425	L	1
11+530	L	1
11+630	L	1
11+650	L	1
12+150	R	1
0+645	L	1
0+752	L	1
0+852	L	1
0+952	L	1
1+120	L	1
1+190	L	1
1+240	L	1
STAGE 2		
10+465	R	1
10+530	R	1
10+705	R	1
11+050	R	1
11+150	R	1
11+340	R	1
11+630	L	1
11+635	R	1
11+650	R	1
11+660	L	1
11+850	L	1
12+520	L	1
12+665	L	1
12+710	L	1
12+755	L	1
12+805	L	1
12+820	L	1
0+725	R	1
0+825	R	1
STAGE 3		
10+725	L	1
11+125	L	1
11+200	L	1
11+225	L	1
11+345	L	1
11+525	R	1
11+495	L	1
11+675	R	1
11+860	R	1
12+020	L	1
12+020	R	1
12+375	R	1
12+510	R	1
12+650	R	1
12+675	L	1
0+650	L	1
0+700	L	1
0+800	L	1
0+900	L	1
1+190	L	1
1+240	L	1
TOTAL		
		55

PORTLAND CEMENT CONCRETE (JOINTED) 250MM	
LOCATION	AREA (SQ. M)
STA 10+200 TO STA 10+450	4,228
STA 10+450 TO STA 10+750	4,646
STA 10+750 TO STA 11+100	7,854
STA 11+100 TO STA 11+450	6,910
STA 11+450 TO STA 11+800	6,558
STA 11+800 TO STA 12+150	9,531
STA 12+150 TO STA 12+264	2,221
STA 0+600 TO STA 0+900	3,801
STA 0+900 TO STA 1+200	7,735
STA 1+200 TO STA 1+360	1,583
TOTAL QUANTITY =	
55,067	

TEMPORARY EROSION CONTROL SEEDING	
LOCATION	QUANTITY (KG)
STAGE I	
STA 10+200 TO STA 10+65	21.7
STA 10+650 TO STA 11+00	11.1
STA 11+000 TO STA 11+70	76.2
STA 11+700 TO STA 12+35	76.4
STA 12+350 TO STA 13+00	54.2
STA 0+600 TO STA 1+100	29.4
STA 1+100 TO STA 1+519	25.4
STAGE I TOTAL	
294.5	
STAGE II	
STA 10+200 TO STA 10+65	39.5
STA 10+650 TO STA 11+00	38.7
STA 11+000 TO STA 11+70	61.9
STA 11+700 TO STA 12+35	71.8
STA 12+350 TO STA 13+00	65.4
STA 0+600 TO STA 1+100	34.0
STA 1+100 TO STA 1+519	19.7
STAGE II TOTAL	
330.9	
TOTAL	
626	

PCC SIDEWALK 125 MM	
LOCATION	AREA (SQ. M)
IL 22/OLD MILL GROVE SW RETURN	32
IL 22/OLD MILL GROVE SE RETURN	40
STA 11+590 RT	7
STA 12+610 RT	5
TOTAL QUANTITY =	
84	

DRIVEWAY QUANTITY SCHEDULE						
STATION	OFFSET	EXISTING PAVEMENT	DRIVEWAY PAVEMENT REMOVAL (SQ. M)	BITUMINOUS BASE COURSE SUPERPAVE 150mm (SQ. M)	BITUMINOUS BASE COURSE SUPERPAVE 200mm (SQ. M)	BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", N50 (MTONS)
10+250.87	LT	BIT.	186.6		115.0	14.35
10+348.00	LT				115.0	14.35
10+410.62	LT	BIT.	123.3		89.7	11.19
10+490.98	LT	BIT.	219.3		129.3	16.14
10+579.15	LT	BIT.	211.7		134.8	16.82
10+638.81	LT	BIT.	139.2		104.8	13.08
Oakwood Rd.	east	BIT.	102.3		91.4	11.41
Old Mill Grove Rd.	west	BIT.	17.8	33.9		4.23
Old Mill Grove Rd.	east	BIT.	21.7	34.4		4.29
10+882.90	RT.	BIT.	35.7	30.7		3.83
10+920.87	LT	BIT.	252.9		165.1	20.60
10+987.93	LT	BIT.	105.8	41.7		5.20
11+040.52	LT	AGG.		30.2		3.77
11+250	LT	BIT.	40.5	Drive closed		0.00
11+392.65	LT	BIT.	33.9	49.4		6.17
11+400.80	RT.	BIT.	129.3	108.2		13.50
11+444.13	LT	BIT./AGG.	27.0	59.8		7.46
11+550.56	LT	BIT.	126.5		64.7	8.07
11+598.27	LT	BIT.	106.8	29.7		3.71
11+680.82	LT	BIT.	45.9	40.2		5.02
11+774.63	LT	BIT.	95.9	62.7		7.82
11+845.10	LT	AGG.		40.2		5.02
11+911.29	LT	BIT.	48.7		57.7	7.20
11+959.91	LT	BIT.	191.5		57.7	7.20
12+551.00	LT	AGG.		26.7		3.33
12+585.59	RT.	BIT./AGG.	5.8	107.5		13.42
12+615.23	LT	AGG.		108.8		13.58
0+660.81	RT.	BIT./AGG.	41.9	55.5		6.93
0+929.26	LT	BIT./AGG.				

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	20 WRS-6	LAKE	3/8	22
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 62030				

LOCATION	LENGTH (METER)
STA 10+200 TO 10+295 LT	95
STA 10+450 TO 10+475 LT	25
STA 10+507 TO 10+559 LT	52
STA 10+594 TO 10+675 LT	81
STA 10+718 TO 10+750 RT	32
STA 10+720 TO 10+750 LT	30
STA 11+750 TO 11+933 LT	123
STA 10+750 TO 10+928 RT	138
OAKWOOD ROAD	163
OLD MILL GROVE ROAD	100
COMMERCIAL ENTRANCE STA 10+921 LT	60
STA 11+154 TO 11+220 LT	66
TELSER ROAD	74
KNOX PARK ENTRANCE	76
COMMERCIAL ENTRANCE STA 11+550 LT	56
STA 11+553 TO 11+620 RT	63
STA 11+948 TO 12+017 LT	71
STA 11+966 TO 12+012 RT	46
STA 12+064 TO 12+150 RT	86
STA 12+067 TO 12+122 LT	55
STA 12+150 TO 12+500 RT	350
PROVIDENCE DRIVE	126
STA 12+500 TO 12+700 RT	200
STA 12+700 TO 12+762 RT	62
IL 22/QUENTIN NW Return	48
IL 22/QUENTIN SW Return	53
IL 22/QUENTIN NE Return	43
IL 22/QUENTIN SE Return	50
<b>TOTAL QUANTITY =</b>	<b>2,424</b>

LOCATION	AREA (SQ. M)
IL 22/OLD MILL GROVE SW Corner	43
OLD MILL GROVE ROAD SE Corner	49
PRIVATE ENTRANCE STA 11+393 LT	17
IL 22/FERN DRIVE SW Corner	5
IL 22/FERN DRIVE SE Corner	5
<b>TOTAL QUANTITY =</b>	<b>119</b>

STATION	OFFSET	LENGTH (METER)
10+348	LT	16.0
10+580	LT	17.2
10+990	LT	10.6
11+680	LT	10.5
11+830	LT	9.0
12+550	LT	12.5
0+655	RT	7.5
0+980	LT	8.6
<b>TOTAL</b>		<b>91.9</b>

STATION	OFFSET (METER)	QUANTITY (EACH)
10+203	10m LT	1
10+237	10m LT	1
10+293	10m LT	1
10+677	13m LT	1
10+783	18m LT	1
10+835	22m LT	1
10+893	13m LT	1
11+031	16.4m LT	1
11+184	13.5m LT	1
<b>TOTAL QUANTITY =</b>		<b>9</b>

STATION	OFFSET (METER)	QUANTITY (EACH)
10+593	9 RT	1
10+603	12 RT	1
10+835	18 LT	1
10+850	10 LT	1
10+892	12 LT	1
11+587	14 RT	1
11+637	17 RT	1
<b>TOTAL QUANTITY =</b>		<b>7</b>

LOCATION	AREA (SQ. M)
STA 12+474 TO STA 12+500 RT	39
STA 12+480 TO STA 12+500 LT	30
STA 12+500 TO STA 12+700 LT	300
STA 12+500 TO STA 12+700 RT	300
STA 12+700 TO STA 12+875 LT	263
STA 12+700 TO STA 12+875 RT	263
<b>TOTAL</b>	<b>1,195</b>

STATION	OFFSET	SIZE (MM)	LENGTH (METER)
10+490	LT	375	22.0
10+580	LT	375	17.0
11+279	LT	300	2.5
11+395	LT	375	8.0
11+445	LT	375	8.0
12+818	RT	600	3.0
0+930	LT	375	8.0
1+110	LT	375	8.0
1+212	LT	300	7.0
<b>TOTALS:</b>		300 mm	9.5
		375 mm	71.0
		600 mm	3.0

STATION	OFFSET (METER)	QUANTITY (EACH)
10+562	11.5m LT	1
<b>TOTAL QUANTITY =</b>		<b>1</b>

STATION	OFFSET (METER)	QUANTITY (EACH)
10+258	11 LT	1
10+809	15 LT	1
12+133	13 RT	1
12+265	20 RT	1
12+683	13 RT	1
<b>TOTAL QUANTITY =</b>		<b>5</b>

LOCATION	LENGTH (METER)
COMMERCIAL ENTRANCE STA. 10+250	18
COMMERCIAL ENTRANCE STA. 10+410	30
COMMERCIAL ENTRANCE STA. 10+491	42
COMMERCIAL ENTRANCE STA. 10+579	34
COMMERCIAL ENTRANCE STA. 10+639	30
COMMERCIAL ENTRANCE EAST SIDE OAKWOOD ROAD	22
COMMERCIAL ENTRANCE STA. 10+921	22
HILANDALE LANE	14
FOXTAIL DRIVE	9
<b>TOTAL QUANTITY =</b>	<b>221</b>

LOCATION	AREA (SQ. M)
STA 0+696 TO STA 0+746 LT	43
<b>TOTAL QUANTITY =</b>	<b>43</b>

STATION	OFFSET (METER)	QUANTITY (EACH)
10+677	13m LT	1
10+893	13m LT	1
11+184	13.5m LT	1
<b>TOTAL QUANTITY =</b>		<b>3</b>

LOCATION	LENGTH (METER)
COMMERCIAL ENTRANCE STA. 10+250	18
COMMERCIAL ENTRANCE STA. 10+348	22
COMMERCIAL ENTRANCE STA. 10+410	19
COMMERCIAL ENTRANCE STA. 10+490	22
COMMERCIAL ENTRANCE STA. 10+579	22
COMMERCIAL ENTRANCE STA. 10+638	22
COMMERCIAL ENTRANCE STA. 10+921	29
COMMERCIAL ENTRANCE STA 11+911	16
COMMERCIAL ENTRANCE STA 11+960	16
COMMERCIAL ENTRANCE EAST SIDE	18
FERN DRIVE	18
<b>TOTAL QUANTITY =</b>	<b>222</b>

LOCATION	AREA (SQ. M)
STA 10+200 TO STA 10+450	2,645
STA 10+450 TO STA 10+750	3,152
STA 10+750 TO STA 11+100	3,435
OAKWOOD ROAD	1,017
OLD MILL GROVE ROAD	564
STA 11+100 TO STA 11+450	3,170
TELSER ROAD	556
STA 11+450 TO STA 11+800	3,690
FERN ROAD	450
STA 11+800 TO STA 12+150	3,696
STA 12+150 TO STA 12+500	4,907
HILANDALE LANE	315
PROVIDENCE DRIVE	466
FOXTAIL DRIVE	260
STA 12+500 TO STA 12+700	2,591
STA 12+700 TO STA 12+875	1,621
STA 0+600 TO STA 0+900	2,880
STA 0+900 TO STA 1+200	3,951
STA 1+200 TO STA 1+360	1,374
<b>TOTAL QUANTITY =</b>	<b>40,740</b>

STATION	SIDE	TOTAL
ROUTE 22		
10+925	R	1
11+641	L	1
11+641	R	1
12+266	L	1
QUENTIN RD.		
0+691	R	1
0+692	L	1
<b>TOTAL</b>		<b>6</b>

STATION	SIDE	TOTAL
ROUTE 22		
115+43	7mLT	1
<b>TOTAL</b>		<b>1</b>

STATION	SIDE	QUANTITY
ROUTE 22		
10+977	LT	1
12+567	LT	1
12+667	LT	1
12+750	RT	1
12+843	RT	1
QUENTIN RD.		
0+677	RT	1
1+300	RT	1
<b>TOTAL</b>		<b>7</b>

STATION	OFFSET (METER)	QUANTITY (EACH)
10+203	10 LT	1
10+237	10 LT	1
10+263	10 LT	1
10+293	10 LT	1
10+295	9 LT	1
10+299	11 RT	1
10+562	12 LT	1
10+593	7 LT	1
10+794	7 LT	1
10+806	8 RT	1
10+835	8 RT	1
10+843	9 LT	1
10+912	7 LT	1
10+982	8LT	1
11+230	9 RT	1
12+265	15 RT	1
12+482	16 RT	1
1+214	9 LT	1
<b>TOTAL QUANTITY =</b>		<b>18</b>

STATION	QUANTITY (M)
ROUTE 22	
12+501	29
12+816	14
QUENTIN RD.	
0+691	24
<b>TOTAL</b>	<b>67</b>

STATION	OFFSET (METER)	QUANTITY (EACH)
11+237	7m RT	1
<b>TOTAL QUANTITY =</b>		<b>1</b>

REVISIONS	NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
ILLINOIS ROUTE 22

SCHEDULE OF QUANTITIES

SCALE: NTS  
DATE: 03/11/05

DRAWN BY: SMP  
CHECKED BY: BDH

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	20 WRS-6	LAKE	3/8	23
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 62030				

COMBINATION CONCRETE CURB AND GUTTER, TYPE B-15.60	
LOCATION	LENGTH (METER)
STA 10+200 TO STA 10+450 LT (Outside)	250
STA 10+200 TO STA 10+258 LT (Median)	58
STA 10+200 TO STA 10+258 RT (Median)	58
STA 10+200 TO STA 10+450 RT (Outside)	250
STA 10+355 TO STA 10+450 LT (Median)	95
STA 10+355 TO STA 10+450 RT (Median)	97
STA 10+450 TO STA 10+750 LT (Outside)	300
STA 10+450 TO STA 10+750 LT (Median)	300
STA 10+450 TO STA 10+750 RT (Median)	300
STA 10+450 TO STA 10+750 RT (Outside)	300
STA 10+750 LT TO STA 10+804 LT (Outside)	55
STA 10+750 TO STA 10+756 LT (Median)	6
STA 10+750 TO STA 10+756 RT (Median)	6
STA 10+750 LT TO STA 10+800 RT (Outside)	50
OAKWOOD ROAD (West side)	62
OAKWOOD ROAD (East side)	76
OLD MILL GROVE ROAD (West side)	42
OLD MILL GROVE ROAD (East side)	32
STA 10+836 TO STA 11+100 RT (Outside)	265
STA 10+850 TO STA 11+100 LT (Outside)	250
STA 10+886 TO STA 11+100 LT (Median)	214
STA 10+886 TO STA 11+100 RT (Median)	214
STA 11+100 LT TO STA 11+224 LT (Outside)	122
STA 11+100 TO STA 11+171 LT (Median)	171
STA 11+100 TO STA 11+171 RT (Median)	171
STA 11+100 LT TO STA 11+246 RT (Outside)	265
TELSER ROAD (West side)	35
TELSER ROAD (East side)	38
STA 11+253 TO STA 11+450 RT (Outside)	220
STA 11+258 TO STA 11+450 LT (Outside)	192
STA 11+306 TO STA 11+450 LT (Median)	144
STA 11+306 TO STA 11+450 RT (Median)	144
STA 11+450 TO STA 11+800 LT (Outside)	350
STA 11+450 TO STA 11+591 LT (Median)	142
STA 11+450 TO STA 11+591 RT (Median)	141
STA 11+450 TO STA 11+580 RT (Outside)	130
FERN DRIVE (West side)	25
FERN DRIVE (East side)	19
STA 11+615 TO STA 11+800 RT (Outside)	185
STA 11+800 TO STA 12+026 LT (Outside)	238
STA 11+800 TO STA 11+896 LT (Median)	96
STA 11+800 TO STA 11+896 RT (Median)	96
STA 11+800 TO STA 12+028 RT (Outside)	237
STA 12+054 TO STA 12+150 LT (Outside)	105
STA 12+055 TO STA 12+150 LT (Outside)	106
STA 12+150 TO STA 12+430 LT (Outside)	280
STA 12+150 TO STA 12+268 RT (Outside)	118
STA 12+215 TO STA 12+278 LT (Median)	66
STA 12+215 TO STA 12+277 RT (Median)	62
HILANDALE LANE (West side)	23
HILANDALE LANE (East side)	22
STA 12+297 TO STA 12+428 RT (Outside)	132
PROVIDENCE DRIVE (West side)	23
PROVIDENCE DRIVE (East side)	27
FOXTAIL DRIVE (West side)	25
FOXTAIL DRIVE (East side)	27
STA 12+466 TO STA 12+475 RT (Outside)	9
STA 12+471 TO STA 12+480 LT (Outside)	10
STA 0+763 TO STA 0+900 LT (Median)	137
STA 0+763 TO STA 0+900 RT (Median)	138
STA 0+807 TO STA 0+900 LT (Outside)	93
STA 0+807 TO STA 0+900 RT (Outside)	93
STA 0+900 TO STA 0+969 LT (Outside)	69
STA 0+900 TO STA 0+969 RT (Outside)	69
STA 1+031 TO STA 1+173 LT (Outside)	142
STA 1+031 TO STA 1+173 RT (Outside)	142
STA 1+100 TO STA 1+200 LT (Median)	100
STA 1+100 TO STA 1+200 RT (Median)	100
STA 1+200 TO STA 1+217 LT (Median)	17
STA 1+200 TO STA 1+217 RT (Median)	17
<b>TOTAL QUANTITY =</b>	<b>8,593</b>

RELOCATE TEMPORARY CONCRETE BARRIER		
STATION		LENGTH (METERS)
FROM	TO	
<b>STAGE 2</b>		
11+616	11+656	40
12+059	12+264	205
12+300	12+425	125
12+470	12+540	70
12+675	12+800	125
0+686	0+748	62
0+672	0+712	40
<b>TOTAL QUANTITY =</b>		<b>667</b>

STONE DUMPED RIPRAP, CLASS A4		
STATION	SIDE	AREA (SQ.YD.)
<b>ROUTE 22</b>		
11+370	R	13.2
11+640	R	11.2
<b>QUENTIN RD.</b>		
0+691	R	30.8
<b>TOTAL</b>		<b>56</b>

STORM SEWER REMOVAL 375MM		
STATION		LENGTH (FEET)
FROM STA.	TO STA.	
<b>ROUTE 22</b>		
10+295	10+300	21
10+629	10+744	115
10+784	10+794	9
12+266	12+266	16
<b>TOTAL</b>		<b>161</b>

CORRUGATED MEDIAN		
LOCATION	LENGTH (METER)	AREA (SQ. M)
STA 10+232 TO STA 10+334	11.0	17
STA 10+794 TO STA 10+806	10.0	15
STA 10+836 TO STA 10+848	10.0	15
STA 11+212 TO STA 11+222	10.0	15
STA 11+255 TO STA 11+265	10.0	15
STA 11+573 TO STA 11+584	10.0	15
STA 11+611 TO STA 11+621	10.0	15
STA 12+007 TO STA 12+017	10.0	19
STA 12+064 TO STA 12+074	10.0	19
STA 0+730 TO STA 0+763	33.0	43
STA 0+961 TO STA 0+971	10.0	15
STA 1+029 TO STA 1+039	10.0	15
STA 1+217 TO STA 1+250	33.0	43
<b>TOTAL</b>		<b>261</b>

TEMPORARY CONCRETE BARRIER		
STATION		LENGTH (METERS)
FROM	TO	
<b>STAGE 1</b>		
11+621	11+661	40
12+060	12+250	190
12+486	12+516	30
0+672	0+722	50
0+678	0+707	30
<b>STAGE 2</b>		
11+616	11+656	40
12+060	12+265	205
12+300	12+425	125
12+470	12+540	70
12+675	12+800	125
12+865	12+920	55
0+666	0+728	62
0+672	0+712	40
<b>TOTAL QUANTITY =</b>		<b>1062</b>

FILTER FABRIC FOR USE WITH RIPRAP		
STATION	SIDE	AREA (SQ.YD.)
<b>ROUTE 22</b>		
11+370	R	13.2
11+640	R	11.2
11+650	R	2.3
11+879	R	6.0
12+264	L	7.5
12+268	L	9.4
12+501	R	7.8
12+816	R	8.3
<b>QUENTIN RD.</b>		
0+691	R	30.8
0+774	R	18.0
1+212	R	4.8
<b>TOTAL</b>		<b>120</b>

STORM SEWER REMOVAL 450MM		
STATION		LENGTH (FEET)
FROM STA.	TO STA.	
<b>ROUTE 22</b>		
10+794	10+982	189
10+793	10+924	131
10+835	10+850	17
<b>TOTAL</b>		<b>337</b>

STORM SEWER REMOVAL 600MM		
STATION		LENGTH (FEET)
FROM STA.	TO STA.	
<b>ROUTE 22</b>		
10+593	10+604	11
11+372	11+450	79
11+450	11+637	190
11+884	11+884	19
<b>TOTAL</b>		<b>299</b>

STORM SEWER REMOVAL 200MM		
STATION		LENGTH (M)
FROM STA.	TO STA.	
<b>ROUTE 22</b>		
12+133	12+140	7
<b>TOTAL</b>		<b>7</b>

CONCRETE MEDIAN, TYPE SB (SPECIAL)		
LOCATION	LENGTH (METER)	AREA (SQ. M)
STA 10+258 TO STA 10+323	65	163
STA 10+729.08 TO STA 10+822.3	67	146
STA 10+845.94 TO STA 10+913.1	67	146
STA 11+144.51 TO STA 11+211.91	67	146
STA 11+265.37 TO STA 11+331.4	66	132
STA 11+506.41 TO STA 11+573.7	67	146
STA 11+621.32 TO STA 11+688.5	67	146
STA 11+882.70 TO STA 12+007.1	124	247
STA 12+074.28 TO STA 12+226.1	152	297
STA 0+869.09 TO STA 0+960.8	92	195
STA 1+039.20 TO STA 1+130.90	92	195
<b>TOTAL</b>		<b>1,959</b>

STONE DUMPED RIPRAP, CLASS A3		
STATION	SIDE	AREA (SQ.YD.)
<b>ROUTE 22</b>		
11+650	R	2.3
11+879	R	6.0
12+264	L	7.5
12+268	L	9.4
12+501	R	7.8
12+816	R	8.3
0+774	R	18.0
1+212	R	4.8
<b>TOTAL</b>		<b>64</b>

STORM SEWER REMOVAL 300MM		
STATION		LENGTH (FEET)
FROM STA.	TO STA.	
<b>ROUTE 22</b>		
10+187	10+329	142
10+554	10+602	41
10+810	10+835	26
10+981	10+955	22
10+892	10+892	3
11+231	11+238	7
12+247	12+266	25
12+481	12+490	10
12+683	12+687	4
<b>TOTAL</b>		<b>280</b>

GUARDRAIL REMOVAL	
LOCATION	LENGTH (METER)
STA 11+616 TO STA 11+670 LT	54
STA 11+620 TO STA 11+668 RT	48
<b>TOTAL QUANTITY =</b>	<b>102</b>

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION ILLINOIS ROUTE 22
NAME	DATE	
		SCHEDULE OF QUANTITIES

SCALE: NTS  
DATE: 03/11/05

DRAWN BY: SMP  
CHECKED BY: BDH

TOPSOIL FURNISH AND PLACE, 100MM				
STATION		SIDE	AREA (SQ. M.)	
FROM	TO			
<b>FOR SEEDING, CLASS 2A</b>				
ROUTE 22				
10+200	10+450	SOUTH	979.6	
10+450	10+750	SOUTH	1041.5	
10+750	10+805	SOUTH	171.8	
10+895	11+100	SOUTH	581.1	
10+930	10+985	NORTH	473.2	
10+990	11+038	NORTH	432.6	
11+043	11+100	NORTH	474.4	
11+100	11+231	NORTH	673.9	
11+100	11+247	SOUTH	470.1	
11+242	11+391	NORTH	1431.8	
11+252	11+389	SOUTH	959.1	
11+394	11+443	NORTH	451.2	
11+446	11+450	NORTH	47.4	
11+410	11+450	SOUTH	479.3	
11+450	11+536	NORTH	781.0	
11+450	11+579	SOUTH	1659.9	
11+604	11+638	NORTH	234.3	
11+615	11+640	SOUTH	112.2	
11+639	11+671	NORTH	222.0	
11+642	11+800	SOUTH	858.3	
11+690	11+773	NORTH	995.8	
11+776	11+800	NORTH	239.3	
11+800	11+831	NORTH	293.8	
11+800	12+027	SOUTH	1469.5	
11+835	11+907	NORTH	592.5	
11+915	12+026	NORTH	593.7	
12+055	12+150	NORTH	845.5	
12+056	12+150	SOUTH	889.1	
12+150	12+430	NORTH	2117.8	
12+150	12+263	SOUTH	1192.1	
12+299	12+424	SOUTH	1524.8	
12+470	12+525	SOUTH	648.2	
12+474	12+525	NORTH	399.4	
12+525	12+549	NORTH	169.6	
12+525	12+571	SOUTH	277.2	
12+553	12+614	NORTH	314.0	
12+604	12+875	SOUTH	2656.3	
12+617	12+875	NORTH	2489.2	
<b>QUENTIN RD.</b>				
0+600	0+927	WEST	1623.4	
0+600	0+659	EAST	286.2	
0+662	0+969	EAST	1599.3	
0+931	0+969	WEST	244.1	
1+030	1+082	WEST	491.0	
1+030	1+118	EAST	727.5	
1+122	1+360	EAST	1857.9	
1+132	1+360	WEST	1178.9	
<b>FOR SODDING, SALT TOLERANT</b>				
ROUTE 22				
10+200	10+245	NORTH	526.9	
10+257	10+343	NORTH	760.6	
10+353	10+406	NORTH	471.5	
10+415	10+450	NORTH	327.8	
10+450	10+485	NORTH	326.6	
10+496	10+574	NORTH	737.7	
10+585	10+635	NORTH	485.7	
10+643	10+750	NORTH	1089.0	
10+750	10+815	NORTH	929.0	
10+805	10+815	SOUTH	41.2	
10+828	10+843	NORTH	111.7	
10+828	10+915	NORTH	823.4	
10+828	10+834	SOUTH	69.1	
10+926	10+930	NORTH	46.4	
10+839	10+881	SOUTH	141.5	
10+885	10+895	SOUTH	40.7	
11+389	11+410	SOUTH	301.1	
11+537	11+604	NORTH	360.5	
11+580	11+615	SOUTH	197.9	
11+671	11+690	NORTH	158.6	
12+263	12+280	SOUTH	127.2	
12+288	12+299	SOUTH	128.2	
12+424	12+440	SOUTH	151.2	
12+430	12+440	NORTH	65.6	
12+457	12+470	SOUTH	208.9	
12+459	12+474	NORTH	176.7	
12+571	12+604	SOUTH	344.3	
12+575	12+650	NORTH	693.8	
<b>QUENTIN RD.</b>				
1+082	1+131	WEST	337.9	
<b>TOTAL</b>			<b>48,432</b>	

COMPOST FURNISH AND PLACE, 100MM				
STATION		SIDE	AREA (SQ. M.)	
FROM	TO			
<b>FOR SEEDING, CLASS 4</b>				
ROUTE 22				
11+342	11+396	SOUTH	517.2	
11+604	11+636	NORTH	58.4	
11+615	11+640	SOUTH	128.5	
11+639	11+671	NORTH	128.1	
11+642	11+800	SOUTH	1144.3	
11+800	11+982	SOUTH	1146.4	
12+057	12+150	NORTH	261.0	
12+150	12+430	NORTH	1614.7	
12+485	12+525	NORTH	102.4	
12+496	12+525	SOUTH	198.3	
12+525	12+549	NORTH	101.3	
12+525	12+571	SOUTH	441.0	
12+553	12+614	NORTH	411.4	
12+604	12+875	SOUTH	1436.0	
12+617	12+875	NORTH	1402.8	
<b>QUENTIN RD.</b>				
0+600	0+724	EAST	331.8	
0+600	0+807	WEST	602.2	
1+170	1+360	WEST	630.0	
<b>FOR SEEDING, CLASS 4B</b>				
ROUTE 22				
11+345	11+393	SOUTH	1219.7	
<b>TOTAL</b>			<b>11,876</b>	

SEEDING, CLASS 4				
STATION		SIDE	AREA (SQ. M.)	AREA (HA)
FROM	TO			
ROUTE 22				
11+342	11+396	SOUTH	517.2	0.05
11+604	11+636	NORTH	58.4	0.01
11+615	11+640	SOUTH	128.5	0.01
11+639	11+671	NORTH	128.1	0.01
11+642	11+800	SOUTH	1144.3	0.11
11+800	11+982	SOUTH	1146.4	0.11
12+057	12+150	NORTH	261.0	0.03
12+150	12+430	NORTH	1614.7	0.16
12+485	12+525	NORTH	102.4	0.01
12+496	12+525	SOUTH	198.3	0.02
12+525	12+549	NORTH	101.3	0.01
12+525	12+571	SOUTH	441.0	0.04
12+553	12+614	NORTH	411.4	0.04
12+604	12+875	SOUTH	1436.0	0.14
12+617	12+875	NORTH	1402.8	0.14
<b>QUENTIN RD.</b>				
0+600	0+724	EAST	331.8	0.03
0+600	0+807	WEST	602.2	0.06
1+170	1+360	WEST	630.0	0.06
<b>TOTAL</b>			<b>1,07</b>	

SEEDING, CLASS 4B				
STATION		SIDE	AREA (SQ. M.)	AREA (HA)
FROM	TO			
ROUTE 22				
11+345	11+393	SOUTH	1219.7	0.12
<b>TOTAL</b>			<b>0.12</b>	

SEEDING, CLASS 2A				
STATION		SIDE	AREA (SQ. M.)	AREA (HA)
FROM	TO			
ROUTE 22				
10+200	10+258	MEDIAN	275.2	0.03
10+357	10+450	MEDIAN	380.2	0.04
10+200	10+450	SOUTH	979.6	0.10
10+450	10+750	MEDIAN	1132.9	0.11
10+450	10+750	SOUTH	1041.5	0.10
10+750	10+805	SOUTH	171.8	0.02
10+895	11+100	SOUTH	581.1	0.06
10+913	11+100	MEDIAN	735.3	0.07
10+930	10+985	NORTH	473.2	0.05
10+990	11+038	NORTH	432.6	0.04
11+043	11+100	NORTH	474.4	0.05
11+100	11+231	NORTH	673.9	0.07
11+100	11+145	MEDIAN	151.6	0.02
11+100	11+247	SOUTH	470.1	0.05
11+242	11+391	NORTH	1431.8	0.14
11+252	11+389	SOUTH	959.1	0.10
11+331	11+450	MEDIAN	456.2	0.05
11+394	11+443	NORTH	451.2	0.05
11+446	11+450	NORTH	47.4	0.00
11+410	11+450	SOUTH	479.3	0.05
11+450	11+536	SOUTH	781.0	0.08
11+450	11+506	MEDIAN	195.7	0.02
11+450	11+579	SOUTH	1659.9	0.17
11+604	11+638	NORTH	234.3	0.02
11+615	11+640	SOUTH	112.2	0.01
11+639	11+671	NORTH	222.0	0.02
11+642	11+800	SOUTH	858.3	0.09
11+690	11+773	NORTH	995.8	0.10
11+689	11+800	MEDIAN	486.4	0.05
11+776	11+800	NORTH	239.3	0.02
11+800	11+831	NORTH	293.8	0.03
11+800	11+883	MEDIAN	488.4	0.05
11+800	12+027	SOUTH	1469.5	0.15
11+835	11+907	NORTH	592.5	0.06
11+915	12+026	NORTH	593.7	0.06
12+055	12+150	NORTH	845.5	0.08
12+056	12+150	SOUTH	889.1	0.09
12+150	12+430	NORTH	2117.8	0.21
12+150	12+263	SOUTH	1192.1	0.12
12+226	12+278	MEDIAN	257.9	0.03
12+299	12+424	SOUTH	1524.8	0.15
12+470	12+525	SOUTH	648.2	0.06
12+474	12+525	NORTH	399.4	0.04
12+525	12+549	NORTH	169.6	0.02
12+525	12+571	SOUTH	277.2	0.03
12+553	12+614	NORTH	314.0	0.03
12+604	12+875	SOUTH	2656.3	0.27
12+617	12+875	NORTH	2489.2	0.25
<b>QUENTIN RD.</b>				
0+600	0+927	WEST	1623.4	0.16
0+600	0+659	EAST	286.2	0.03
0+662	0+969	EAST	1599.3	0.16
0+931	0+969	WEST	244.1	0.02
0+763	0+869	MEDIAN	279.8	0.03
1+030	1+082	WEST	491.0	0.05
1+030	1+118	EAST	727.5	0.07
1+122	1+360	EAST	1857.9	0.19
1+131	1+217	MEDIAN	196.8	0.02
1+132	1+360	WEST	1178.9	0.12
<b>TOTAL</b>			<b>4.33</b>	

SODDING, SALT TOLERANT				
STATION		SIDE	AREA (SQ. M.)	
FROM	TO			
ROUTE 22				
10+200	10+245	NORTH	526.9	
10+257	10+343	NORTH	760.6	
10+353	10+406	NORTH	471.5	
10+415	10+450	NORTH	327.8	
10+450	10+485	NORTH	326.6	
10+496	10+574	NORTH	737.7	
10+585	10+635	NORTH	485.7	
10+643	10+750	NORTH	1089.0	
10+750	10+815	NORTH	929.0	
10+805	10+815	SOUTH	41.2	
10+828	10+843	NORTH	111.7	
10+828	10+915	NORTH	823.4	
10+828	10+834	SOUTH	69.1	
10+926	10+930	NORTH	46.4	
10+839	10+881	SOUTH	141.5	
10+885	10+895	SOUTH	40.7	
11+389	11+410	SOUTH	301.1	
11+537	11+604	NORTH	360.5	
11+580	11+615	SOUTH		



TEMPORARY PAVEMENT				
STATION FROM	STATION TO	LENGTH (M)	AVG. WIDTH (M)	AREA (SQ M)
<b>STAGE 1</b>				
10+200	10+300	100.0	1.25	125.0
10+300	10+650	350.0	1.0	350.0
10+650	10+675	25.0	0.5	12.5
10+675	10+805	130.0	4.3	556.3
10+838	11+000	171.0	5.4	927.0
OLD MILL GROVE RD.				
		30.0	1.0	30.0
OAKWOOD RD.				
		85.0	1.8	148.8
11+000	11+231	231.0	7.6	1,755.6
11+245	11+350	105.0	11.0	1,155.0
11+350	11+500	150.0	8.8	1,320.0
11+884	12+000	116.0	2.4	279.0
12+000	12+033	35.0	3.1	107.0
12+054	12+238	183.0	2.4	439.3
12+306	12+350	44.0	1.5	66.0
12+350	12+483	133.0	2.5	332.5
12+744	13+033	289.0	3.2	912.3
0+450	0+750	300.0	3.1	922.5
0+750	0+984	234.0	5.1	1,193.4
1+003	1+100	97.0	5.8	563.5
1+100	1+350	250.0	5.2	1,311.0
1+350	1+519	169.0	2.0	338.0
<b>STAGE 2</b>				
10+695	10+807	112.0	2.0	223.0
OLD MILL GROVE RD.				
		33.0	0.8	24.8
OAKWOOD RD.				
		40.0	1.0	40.0
10+831	10+926	95.0	3.0	285.0
11+375	11+545	170.0	3.2	539.0
11+896	12+000	104.0	2.0	204.8
12+000	12+029	29.0	3.1	91.0
12+055	12+287	246.5	3.3	816.8
12+312	12+350	38.0	1.3	47.5
12+350	12+432	89.0	2.1	189.3
FOXTAIL DR.				
		16.0	24.0	384.0
12+581	12+591	10.0	16.0	160.0
12+700	13+038	288.0	2.3	653.8
12+860	12+925	65.0	2.6	171.0
0+450	0+750	309.0	2.6	796.5
0+750	0+820	70.0	1.3	87.5
1+042	1+100	59.0	2.2	129.3
1+100	1+350	250.0	1.5	370.5
1+350	1+519	169.0	1.8	295.8
TOTAL				18,355

AGGREGATE SHOULDERS, TYPE B 250MM				
STATION FROM	STATION TO	LENGTH (M)	AVG. WIDTH (M)	AREA (SQ M)
<b>ADJACENT TO TEMPORARY PAVEMENT</b>				
<b>STAGE 1</b>				
10+200	10+300	100.0	0.6	60.0
10+300	10+650	350.0	0.6	210.0
10+650	10+675	25.0	0.6	15.0
10+675	10+805	130.0	0.6	556.3
10+838	11+000	171.0	0.6	102.6
OLD MILL GROVE RD.				
		30.0	0.6	18.0
OAKWOOD RD.				
		85.0	0.6	51.0
11+000	11+231	231.0	0.6	138.6
11+245	11+350	105.0	0.6	63.0
11+350	11+500	150.0	0.6	90.0
11+884	12+000	116.0	0.6	69.6
12+000	12+033	35.0	0.6	21.0
12+054	12+238	183.0	0.6	109.8
12+306	12+350	44.0	0.6	26.4
12+350	12+483	133.0	0.6	79.8
12+744	13+033	289.0	0.6	173.4
0+450	0+750	300.0	0.6	180.0
0+750	0+984	234.0	0.6	140.4
1+003	1+100	97.0	0.6	58.2
1+100	1+350	250.0	0.6	150.0
1+350	1+519	169.0	0.6	101.4
<b>STAGE 2</b>				
10+695	10+807	112.0	0.6	67.2
OLD MILL GROVE RD.				
		33.0	0.6	19.8
OAKWOOD RD.				
		40.0	0.6	24.0
10+831	10+926	95.0	0.6	57.0
11+375	11+545	170.0	0.6	102.0
11+896	12+000	104.0	0.6	62.4
12+000	12+029	29.0	0.6	17.4
12+055	12+287	246.5	0.6	147.9
12+312	12+350	38.0	0.6	22.8
12+350	12+432	89.0	0.6	53.4
FOXTAIL DR.				
		16.0	0.6	9.6
12+581	12+591	10.0	0.6	6.0
12+700	13+038	288.0	0.6	172.8
12+860	12+925	65.0	0.6	39.0
0+450	0+750	309.0	0.6	185.4
0+750	0+820	70.0	0.6	42.0
1+042	1+100	59.0	0.6	35.4
1+100	1+350	250.0	0.6	150.0
1+350	1+519	169.0	0.6	101.4
<b>PERMANENT SHOULDERS</b>				
0+600	0+813	424.0	1.5	636.0
1+167	1+200	66.0	1.5	99.0
1+200	1+360	320.0	1.5	480.0
TOTAL				4,945

PIPE CULVERT REMOVAL, 300MM				
STATION FROM	STATION TO	SIDE	QUANTITY (METERS)	
<b>ROUTE 22</b>				
11+034	11+046	L	11	
11+387	11+398	L	11	
11+439	11+451	L	11	
11+539	11+562	L	24	
11+592	11+603	L	11	
<b>QUENTIN RD.</b>				
0+655	0+665	R	10	
0+923	0+933	L	10	
1+085	1+098	L	13	
1+106	1+118	L	11	
1+114	1+124	R	10	
1+214	1+214	CROSSING	22	
0+889	0+898	L	9	
TOTAL				153

PIPE CULVERT REMOVAL, 375MM				
STATION FROM	STATION TO	SIDE	QUANTITY (METERS)	
<b>ROUTE 22</b>				
11+673	11+685	L	11	
11+770	11+784	L	13	
<b>QUENTIN RD.</b>				
1+046	1+055	L	9	
1+342	1+351	L	9	
TOTAL				42

BITUMINOUS SHOULDERS SUPERPAVE 150MM		AREA (SQ. M)
LOCATION		
STA 0+698 TO STA 0+721 LT		36
TOTAL QUANTITY =		36

MODULAR BLOCK RETAINING WALL			
STATION FROM	STATION TO	SIDE	QUANTITY (SQ M)
<b>ROUTE 22</b>			
11+344	11+397	R	102
TOTAL			102

REFLECTOR MARKERS, TYPE B		QUANTITY (EACH)
LOCATION		
STA 12+865 TO STA 12+920		4
TOTAL QUANTITY =		4

BITUMINOUS SHOULDERS SUPERPAVE 200MM		AREA (SQ. M)
LOCATION		
STA 12+474 TO STA 12+500 RT		24
STA 12+480 TO STA 12+500 LT		18
STA 12+500 TO STA 12+700 LT		180
STA 12+500 TO STA 12+700 RT		180
STA 12+700 TO STA 12+875 LT		158
STA 12+700 TO STA 12+875 RT		158
TOTAL QUANTITY =		718

BITUMINOUS SHOULDERS SUPERPAVE 250MM		AREA (SQ. M)
LOCATION		
STA 0+600 TO STA 0+900 LT		191
STA 0+600 TO STA 0+900 RT		191
STA 0+900 TO STA 1+200 LT		30
STA 0+900 TO STA 1+200 RT		30
STA 1+200 TO STA 1+360 LT		144
STA 1+200 TO STA 1+360 RT		144
TOTAL QUANTITY =		730

SANITARY SEWER PIPE PROTECTION		
STATION	STRUCTURE NUMBER	QUANTITY (EACH)
10+466	S-35	1
10+542	S-38	1
10+590	S-43	1
10+630	S-48	1
10+675	S-51	1
10+713	S-56	1
10+751	S-61	1
10+783	S-67	1
TOTAL QUANTITY =		8

BOX CULVERT REMOVAL		LENGTH (METER)
LOCATION		
STA 10+593		16
STA 11+640		18
TOTAL		34

PIPE CULVERT REMOVAL, 300MM				
STATION FROM	STATION TO	SIDE	QUANTITY (METERS)	
<b>ROUTE 22</b>				
11+034	11+046	L	11	
11+387	11+398	L	11	
11+439	11+451	L	11	
11+539	11+562	L	24	
11+592	11+603	L	11	
<b>QUENTIN RD.</b>				
0+655	0+665	R	10	
0+923	0+933	L	10	
1+085	1+098	L	13	
1+106	1+118	L	11	
1+114	1+124	R	10	
1+214	1+214	CROSSING	22	
0+889	0+898	L	9	
TOTAL				153

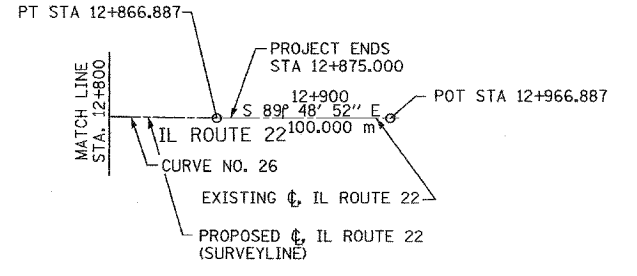
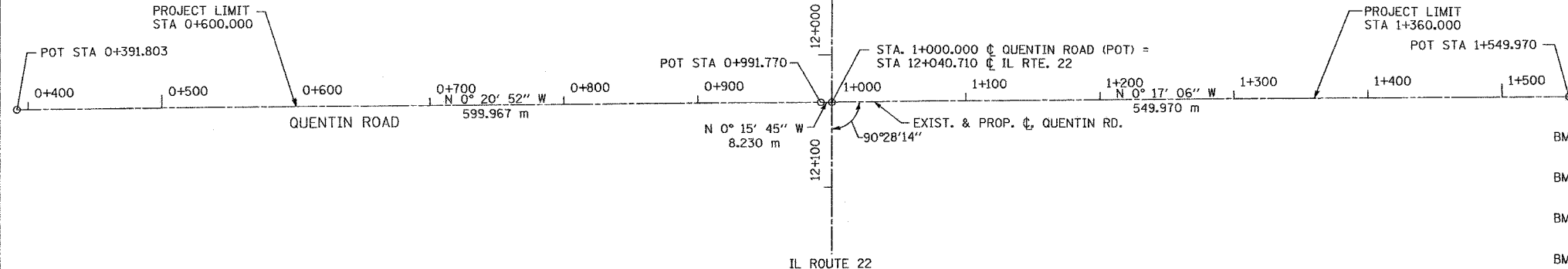
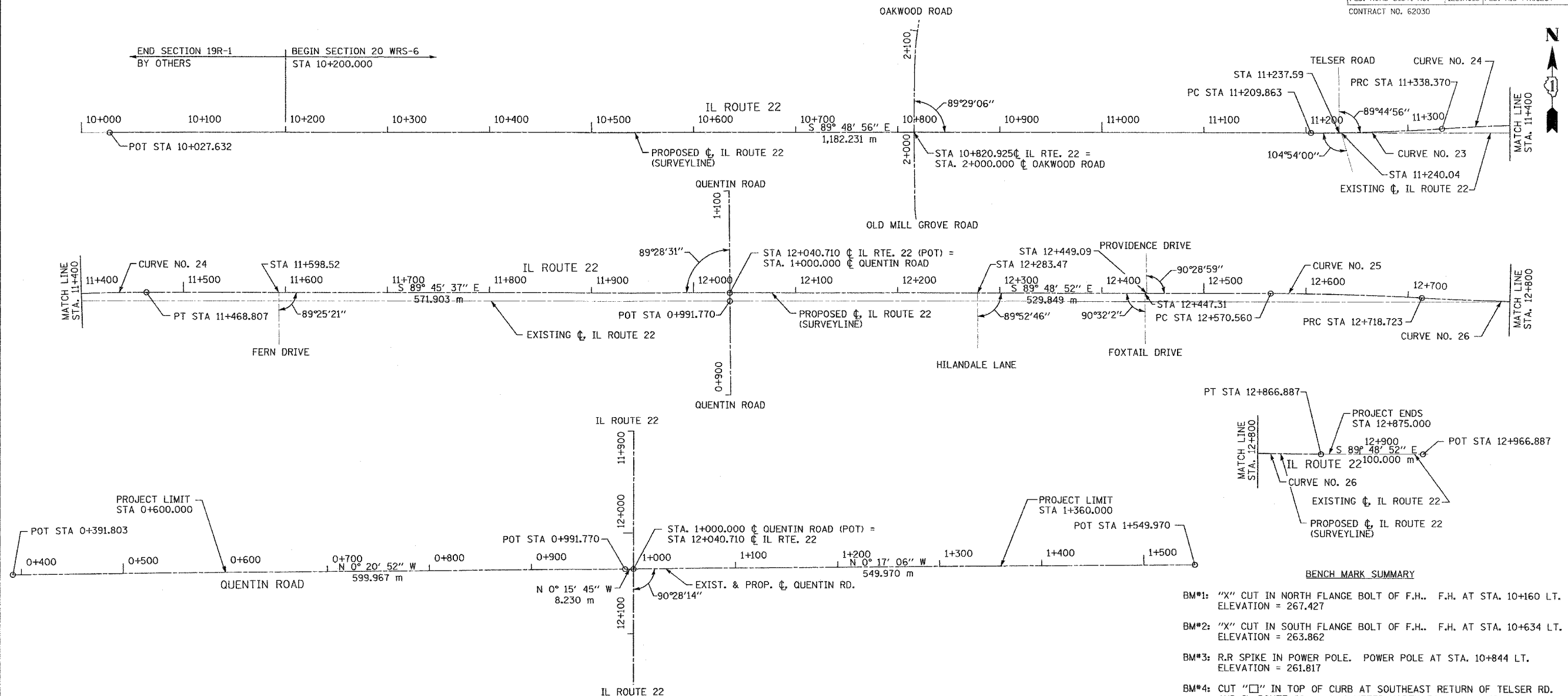
SEDIMENT BASIN		QUANTITY (EACH)
LOCATION		
PRE-STAGE 11+640		1
STAGE 1 11+635		1
0+695		1
TOTAL QUANTITY		3

AGGREGATE SUBGRADE 300MM		AREA (SQ. M)
LOCATION		
STA 10+200 TO STA 10+450		5,956
STA 10+450 TO STA 10+750		6,520
STA 10+750 TO STA 11+100		9,163
STA 11+100 TO STA 11+450		8,360
STA 11+450 TO STA 11+800		8,020
STA 11+800 TO STA 12+150		9,557
STA 12+150 TO STA 12+500		10,493
STA 12+500 TO STA 12+700		2,290
STA 12+700 TO STA 12+875		1,523
STA 0+600 TO STA 0+900		4,483
STA 0+900 TO STA 1+200		6,877
STA 1+200 TO STA 1+360		1,796
TOTAL QUANTITY =		75,038

BITUMINOUS CONCRETE PAVEMENT (FULL DEPTH), SUPERPAVE, 365MM			
LOCATION	BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, 1L-19, (M TON)	POLYMERIZED BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, (M TON)	AREA (SQ M)
STA 12+236 TO STA 12+50	4,602	737	6,166
STA 12+500 TO STA 12+70	1,885	302	2,526
STA 12+700 TO STA 12+87	1,132	181	1,517
TOTAL QUANTITY =			10,209

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION ILLINOIS ROUTE 22
NAME	DATE	
		SCHEDULE OF QUANTITIES
SCALE NTS		DRAWN BY: SMP
DATE: 03/11/05		CHECKED BY: BDH

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	20 WRS-6	LAKE	318	26
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
CONTRACT NO. 62030				

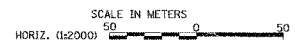


NOTE:  
SEE SHEET NO. 143 FOR CENTERLINE TIES  
(TIES PROVIDED ARE GROUND VALUES)

CURVE NO.	Δ	R	T	L	E	SE	P.O.T./PI STATION	P.O.T./PI COORDINATE		PC STATION	P.C. COORDINATES		PT STATION	P.T. COORDINATES	
								NORTH	EAST		NORTH	EAST		NORTH	EAST
IL ROUTE 22							10+027.632	614,066.539	320,733.067						
23	3°40'53"	2,000.000 m	64.276 m	128.507 m	1.033 m	N.C.	11+274.139	614,062.528	321,979.568	11+209.863	614,062.735	321,915.293	11+338.370	614,066.449	322,043.724
24	3°44'12"	2,000.000 m	65.242 m	130.437 m	1.064 m	N.C.	11+403.612	614,070.428	322,108.844	11+338.370	614,066.449	322,043.724	11+468.807	614,070.155	322,174.085
							12+040.710	614,067.763	322,745.983						
25	3°11'00"	2,666.682 m	74.101 m	148.164 m	1.029 m	N.C.	12+644.660	614,065.807	323,349.930	12+570.560	614,066.047	323,275.830	12+718.723	614,061.453	323,423.903
26	3°11'00"	2,666.682 m	74.101 m	148.164 m	1.029 m	N.C.	12+797.824	614,057.098	323,497.876	12+718.723	614,061.453	323,423.903	12+866.887	614,056.858	323,571.976
QUENTIN RD.							12+966.887	614,056.534	323,671.976						
							0+391.803	613,459.577	322,749.664						
							0+991.770	614,059.533	322,746.021						
							1+000.000	614,067.763	322,745.983						
							1+549.970	614,617.726	322,743.247						

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION ILLINOIS ROUTE 22
NAME	DATE	
		ALIGNMENT, CURVE DATA AND BENCH MARKS

SCALE 1:2000  
DATE: 03/11/05  
DRAWN BY: SMP  
CHECKED BY: BDH



## SUGGESTED MAINTENANCE OF TRAFFIC STAGING

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	20 WRS-6	LAKE	318	27
STA. _____ TO STA. _____		FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT		

### PRE-STAGE

#### TRAFFIC:

ROUTE 22 TRAFFIC WILL USE THE EXISTING LANES.  
 QUENTIN ROAD TRAFFIC WILL USE THE EXISTING LANES.

CONSTRUCTION: USE STANDARD 701326  
 ROUTE 22

1. TEMPORARY TRAFFIC SIGNALS WILL BE INSTALLED AND ENERGIZED AT: OAKWOOD DRIVE/OLD MILL LANE AND ROUTE 22, AND AT QUENTIN ROAD AND ROUTE 22.
2. TREE REMOVAL WILL BE PERFORMED IN THE PROPOSED ROW AREAS AND THE EXISTING NORTH ROW AREAS.
3. MASS GRADING WILL BEGIN IN THE PROPOSED ROW NORTH OF EXISTING ROUTE 22 AND EAST OF TELSAR ROAD TO THE EASTERN PROJECT LIMITS. CONSTRUCT EMBANKMENT STA. 12+710 TO 12+815 FALL 2005, PROVIDE MINIMUM 4 MONTH SETTLEMENT PERIOD.
4. GRADING OF THE NEW DETENTION AREA WILL BE PERFORMED.
5. CONSTRUCTION OF THE PROPOSED MAIN LINE SEWERS:
  - NORTH SIDE STA. 10+628 TO STA. 11+370,
  - SOUTH SIDE STA. 11+378 TO STA. 11+640,
  - SOUTH SIDE STA. 11+648 TO STA. 11+677,
  - SOUTH SIDE STA. 12+302 TO STA. 12+501

EDGE OF THE EXISTING PAVEMENT OR THE PROPOSED CENTERLINE OF ROUTE 22. CONSTRUCTION WILL INCLUDE LATERAL SEWERS, AS FEASIBLE, TO THE NEAR

6. CONSTRUCT TEMPORARY PAVEMENT ALONG THE NORTH SIDE OF THE EXISTING ROUTE 22 PAVEMENT AS SHOWN ON THE PLANS, STA. 10+200 TO STA. 11+550. CONSTRUCT TEMPORARY PAVEMENT ALONG THE SOUTH SIDE OF THE EXISTING ROUTE 22 PAVEMENT AS SHOWN ON THE PLANS, AT THE EAST LIMIT OF THE PROJECT.
7. INSTALL TEMPORARY PAVEMENT MARKINGS FOR STAGE I, AS INDICATED ON THE PLANS AND RELOCATE THE TRAFFIC LANES.
8. PROVIDE LANDSCAPE RESTORATION AND EROSION CONTROL AS APPLICABLE.

### QUENTIN ROAD

1. TREE REMOVAL WILL BE PERFORMED IN THE PROPOSED ROW AREAS AND THE EXISTING ROW AREAS.
2. MASS GRADING WILL BEGIN IN THE PROPOSED ROW AT THE ROUTE 22 INTERSECTION. THE BUILDING WILL BE REMOVED AT THE NORTHWEST CORNER OF ROUTE 22.
3. CONSTRUCTION OF THE PROPOSED MAIN LINE SEWERS:
  - WEST SIDE, 1+018 TO 1+070

CONSTRUCTION WILL INCLUDE LATERAL SEWERS, AS FEASIBLE, TO THE PROPOSED CENTERLINE OF QUENTIN ROAD.

4. CONSTRUCT TEMPORARY PAVEMENT ALONG THE WEST SIDE OF THE EXISTING QUENTIN ROAD PAVEMENT AS SHOWN ON THE PLANS, STA. 0+442 TO STA. 1+519.
5. INSTALL TEMPORARY PAVEMENT MARKING FOR STAGE I, AS INDICATED ON THE PLANS AND RELOCATE THE TRAFFIC LANES.
6. PROVIDE LANDSCAPE RESTORATION AND EROSION CONTROL AS APPLICABLE.

### STAGE I

#### TRAFFIC:

ROUTE 22 TRAFFIC WILL USE A PORTION OF THE EXISTING LANES AND THE TEMPORARY PAVEMENT. LEFT TURN LANES WILL BE PROVIDED AT THE EXISTING LOCATIONS OF LEFT TURN LANES AS INDICATED ON THE PLANS.  
 QUENTIN ROAD TRAFFIC WILL USE A PORTION OF THE EXISTING LANES AND THE TEMPORARY PAVEMENT. LEFT TURN LANES WILL BE PROVIDED AT THE EXISTING LOCATIONS OF LEFT TURN LANES AS INDICATED ON THE PLANS.

#### CONSTRUCTION:

1. CONSTRUCT THE NEW TRAFFIC SIGNALS AT: OAKWOOD DRIVE/OLD MILL LANE AND ROUTE 22, AND AT QUENTIN ROAD AND ROUTE 22.
2. MASS GRADING WILL CONTINUE IN THE PROPOSED ROW NORTH OF EXISTING ROUTE 22 AND EAST OF TELSAR ROAD TO THE EASTERN PROJECT LIMITS.
3. GRADING OF THE NEW DETENTION AREA WILL BE COMPLETED.
4. CONSTRUCTION OF THE PROPOSED MAIN LINE STORM SEWERS AND LATERALS.
  - SOUTH SIDE 10+200 TO 10+604
  - NORTH SIDE 11+379 TO 11+640
  - NORTH SIDE 12+112 TO 12+264
  - EAST SIDE 0+775 TO 0+967
  - EAST SIDE 1+065 TO 1+212
5. CONSTRUCT THE PROPOSED EAST BOUND PAVEMENT OF ROUTE 22 AS SHOWN ON THE PLANS, STA. 10+200 TO STA. 11+375. CONSTRUCT THE PROPOSED WEST BOUND PAVEMENT OF ROUTE 22 AS SHOWN ON THE PLANS, STA. 11+450 TO STA. 12+875. CONSTRUCT THE PROPOSED NORTH BOUND PAVEMENT OF QUENTIN ROAD AS SHOWN ON THE PLANS.

### STAGE I

#### CONSTRUCTION: (CONTINUED)

- 6g. CONSTRUCT TEMPORARY PAVEMENT ALIGNING WITH THE END OF THE NEWLY CONSTRUCTED WEST BOUND LANES AT STA. 11+450. THIS PAVEMENT WILL EXTEND WEST TO INTERSECT THE EXISTING CROSS-OVER (TEMPORARY PAVEMENT) AT STA. 11+325.
- 6b. PROVIDE LANDSCAPE RESTORATION AND EROSION CONTROL AS APPLICABLE.
- 6c. INSTALL TEMPORARY PAVEMENT MARKINGS FOR STAGE II, AS INDICATED ON THE PLANS.
- 6d. RE-ROUTE WEST BOUND TRAFFIC TO NEW LANES (EAST HALF OF PROJECT). AT STA. 11+450 THE TRAFFIC WILL RETURN TO THE TEMPORARY PAVEMENT FOR THE WEST PORTION OF THE PROJECT.
- 6e. CONSTRUCT THE NEW EAST BOUND PAVEMENT FROM STA. 11+375 THROUGH STA. 11+525 (THROUGH THE PREVIOUS CROSS-OVER).
- 6f. AFTER COMPLETION AND CURING OF THE PAVEMENT IN (6e), CONSTRUCT A NEW CROSS-OVER OF TEMPORARY PAVEMENT IN THE MEDIAN AREA FROM STA. 11+375 TO STA. 11+525.

### STAGE II

#### TRAFFIC:

ROUTE 22 TRAFFIC WILL USE THE NEW LANES AND SOME TEMPORARY PAVEMENT AT THE CROSS-OVER STA. 11+375 TO STA. 11+525. SOME TEMPORARY PAVEMENT WILL ALSO BE REQUIRED AT THE QUENTIN INTERSECTION AND AT THE EAST END OF THE PROJECT. LEFT TURN LANES WILL BE PROVIDED AT THE EXISTING LOCATIONS OF LEFT TURN LANES AS INDICATED ON THE PLANS.

QUENTIN ROAD TRAFFIC WILL USE THE NEW LANES AND SOME TEMPORARY PAVEMENT AS SHOWN ON THE PLANS. LEFT TURN LANES WILL BE PROVIDED AT THE EXISTING LOCATIONS OF LEFT TURN LANES AS INDICATED ON THE PLANS.

#### CONSTRUCTION:

1. CONSTRUCT THE NEW TRAFFIC SIGNALS AT: OAKWOOD DRIVE/OLD MILL LANE AND ROUTE 22, AND AT QUENTIN ROAD AND ROUTE 22.
2. PAVEMENT REMOVAL AND EXCAVATION: THE NORTH PORTION OF THE ROADWAY WEST OF THE CROSS-OVER POINT AND THE SOUTH PORTION OF THE ROADWAY EAST OF THE CROSS-OVER POINT.
3. CONSTRUCTION OF THE PROPOSED STORM SEWERS COMPLETED.
  - SOUTH SIDE 11+927 TO 12+028
4. CONSTRUCT THE PROPOSED WEST BOUND PAVEMENT OF ROUTE 22 AS SHOWN ON THE PLANS, STA. 10+200 TO STA. 11+450. CONSTRUCT THE PROPOSED EAST BOUND PAVEMENT OF ROUTE 22 AS SHOWN ON THE PLANS, STA. 11+525 TO STA. 12+875. CONSTRUCT THE PROPOSED SOUTH BOUND PAVEMENT OF QUENTIN ROAD AS SHOWN ON THE PLANS.
5. PROVIDE LANDSCAPE RESTORATION AND EROSION CONTROL AS APPLICABLE.
6. INSTALL TEMPORARY PAVEMENT MARKINGS FOR STAGE III, AS INDICATED ON THE PLANS AND RELOCATE THE TRAFFIC LANES.

### STAGE III

#### TRAFFIC:

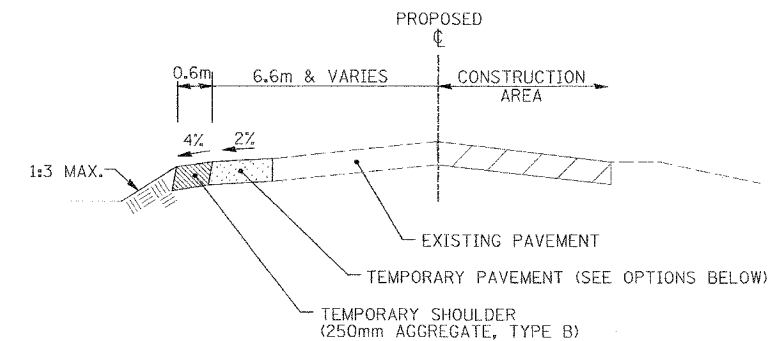
ROUTE 22 TRAFFIC WILL USE THE OUTER LANES OF THE NEW PAVEMENT SECTION. LEFT TURN LANES WILL BE PROVIDED AS INDICATED ON THE PLANS.  
 QUENTIN ROAD TRAFFIC WILL USE THE OUTER LANES OF THE NEW PAVEMENT SECTION. LEFT TURN LANES WILL BE PROVIDED AS INDICATED ON THE PLANS.

#### CONSTRUCTION:

1. COMPLETE THE NEW TRAFFIC SIGNALS AT: OAKWOOD DRIVE/OLD MILL LANE AND ROUTE 22, AND AT QUENTIN ROAD AND ROUTE 22.
2. PAVEMENT REMOVAL AND EXCAVATION OF THE MEDIAN AREAS.
3. CONSTRUCTION OF THE PROPOSED STORM SEWERS COMPLETED.
4. CONSTRUCT THE PROPOSED MEDIANS, CURB AND GUTTERS AND TURN LANES OF ROUTE 22. CONSTRUCT THE PROPOSED MEDIANS AND TURN LANES OF QUENTIN ROAD.
5. PROVIDE LANDSCAPE RESTORATION AND EROSION CONTROL AS APPLICABLE.
6. INSTALL PERMANENT PAVEMENT MARKINGS, AS INDICATED ON THE PLANS AND OPEN ALL TRAFFIC LANES.

## GENERAL NOTES FOR TRAFFIC CONTROL

1. ALL TRAFFIC CONTROL MATERIAL AND DEVICES SHALL CONFORM TO THE TRAFFIC CONTROL PLANS AND THE LATEST EDITION OF THE ILLINOIS MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS.
2. MAINTENANCE OF TRAFFIC AS DENOTED ON THE PLANS IS INTENDED TO BE USED AS A GENERAL GUIDE FOR THE SEQUENCE OF CONSTRUCTION OF THE WORK. NO CHANGES WILL BE PERMITTED WITHOUT THE WRITTEN APPROVAL OF THE ENGINEER.
3. ACCESS TO ENTRANCES SHALL BE MAINTAINED. WHEN A PROPERTY IS SERVICED BY A SINGLE ENTRANCE, CONSTRUCTION OF THE ENTRANCE SHALL BE COMPLETED ONE HALF AT A TIME IN ORDER TO MAINTAIN ACCESS. WHEN A PROPERTY IS SERVICED BY MULTIPLE ENTRANCES, ONE OF THE ENTRANCES SHALL REMAIN OPEN AT ALL TIMES.
4. THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND TRAFFIC CONTROL DEVICES MAY BE ADJUSTED TO FIT THE FIELD CONDITIONS, AS DIRECTED BY THE ENGINEER.
5. 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. TEMPORARY PAVEMENT MARKINGS WHICH FALL BEYOND THE PROJECT LIMITS SHALL BE TYPE III MARKING TAPE.
6. WORK AT INTERSECTIONS SHALL BE PERFORMED BETWEEN 9:00 A.M. AND 3:00 P.M. ONLY. FLAGGERS SHALL BE USED FOR ALL SUCH OPERATIONS.
7. TEMPORARY CONCRETE BARRIER AND TEMPORARY IMPACT ATTENUATOR SHALL BE PLACED WHERE THE ACTIVE TRAVEL LANE IS ADJACENT TO A DROP-OFF OF 1,000 METERS OR GREATER, AND AT LOCATIONS AS DIRECTED BY THE ENGINEER. AN ESTIMATED QUANTITY OF 1062 METERS OF TEMPORARY CONCRETE BARRIER AND 14 EACH TEMPORARY IMPACT ATTENUATOR (TEMPORARY) HAS BEEN INCLUDED. THE BARRIER UNIT AT EACH END OF THE INSTALLATION SHALL BE SECURED TO THE PAVEMENT OR SHOULDER USING ALL SIX ANCHORING PINS FOR F SHAPE OR ALL SIX DOWEL BARS FOR THE NEW JERSEY SHAPE. THE WORK SHALL BE IN ACCORDANCE WITH SECTION 704 OF THE STANDARD SPECIFICATIONS.
8. THE FURNISHING, INSTALLATION, RELOCATION AND REMOVAL OF ALL TRAFFIC CONTROL DEVICES SHOWN ON THESE MAINTENANCE OF TRAFFIC PLANS AND ON THE APPLICABLE IDOT TRAFFIC CONTROL STANDARDS SHALL BE PAID FOR UNDER THE PAY ITEM "TRAFFIC CONTROL AND PROTECTION (SPECIAL)". THE CONTRACTOR SHALL FURNISH ANY ADDITIONAL SIGNS AS REQUIRED BY THE ENGINEER, THE COST OF WHICH WILL ALSO BE INCLUDED IN "TRAFFIC CONTROL AND PROTECTION (SPECIAL)".
9. PORTABLE CHANGEABLE MESSAGE SIGNS SHALL BE PROVIDED EAST BOUND AND WEST BOUND ON ROUTE 22, AND NORTH BOUND AND SOUTH BOUND ON QUENTIN ROAD, AS DIRECTED BY THE ENGINEER.
10. THE CONTRACTOR SHALL COORDINATE WITH ADJACENT CONTRACT CONCERNING STAGING THE CONSTRUCTION AS DIRECTED BY THE ENGINEER.
11. ALL TEMPORARY CONCRETE BARRIERS ON THE TEMPORARY PAVEMENT, SHALL BE ANCHORED TO THE PAVEMENT PER STATE STANDARD 704001



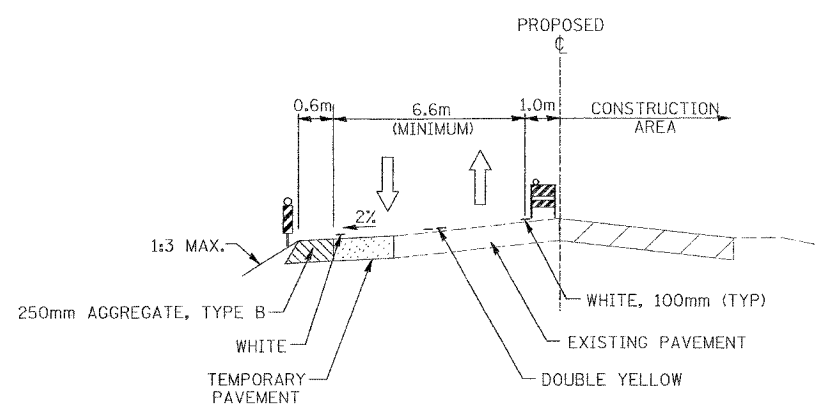
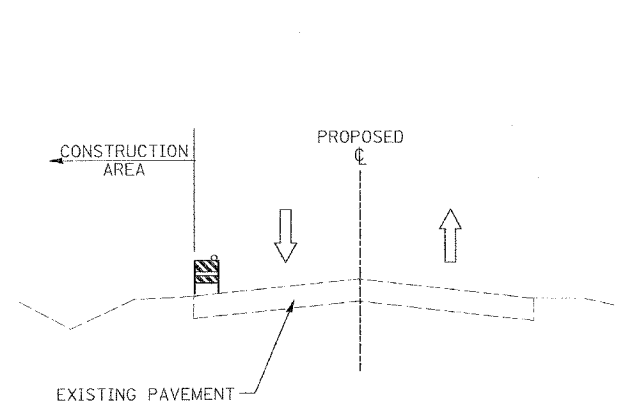
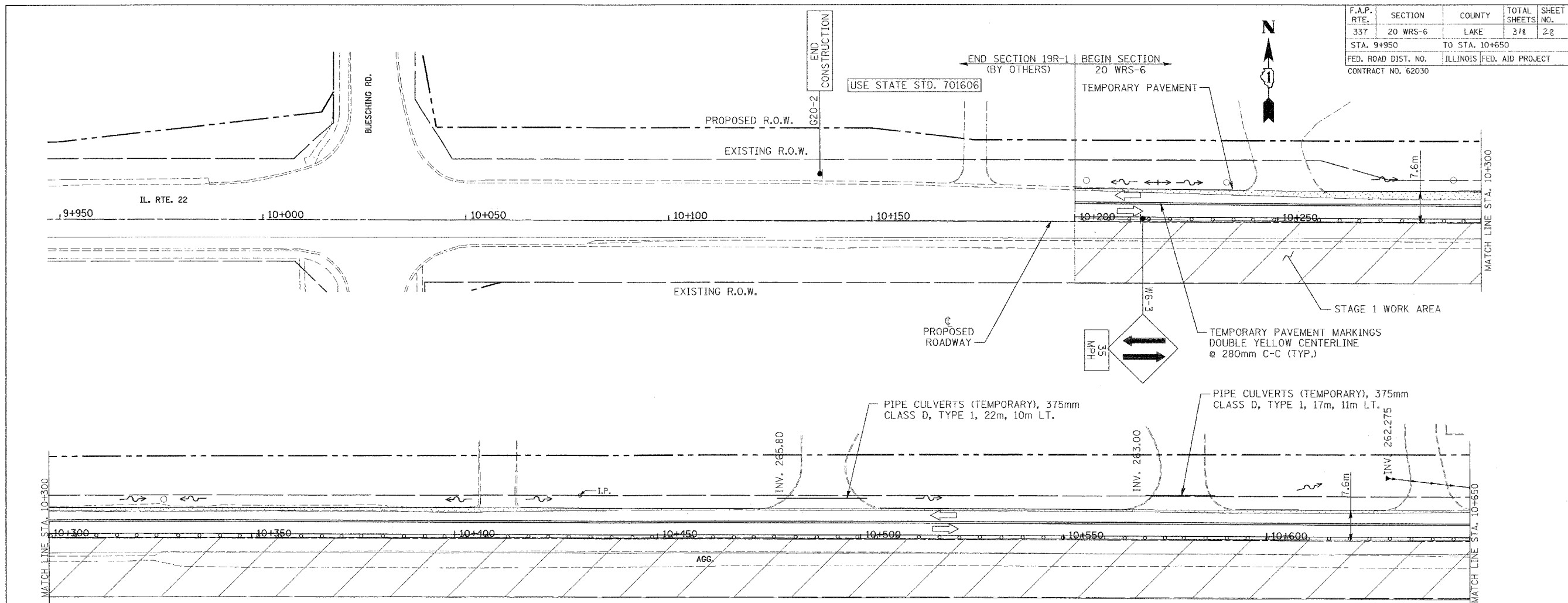
(OPTION 1) PORTLAND CEMENT CONCRETE BASE COURSE 180mm

(OPTION 2) BITUMINOUS BASE COURSE SUPERPAVE, 255mm AND BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "D", N50 (45mm)

### TEMPORARY PAVEMENT

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION ILLINOIS ROUTE 22
NAME	DATE	
		SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL - STAGING AND GENERAL NOTES
SCALE: N/A		DRAWN BY: SMP
DATE: 03/11/05		CHECKED BY: BDH

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	20 WRS-6	LAKE	3/8	28
STA. 9+950	TO STA. 10+650			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 62030				



THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND TRAFFIC CONTROL DEVICES SHALL FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

REMOVE EXISTING PAVEMENT MARKING IF IN CONFLICT WITH THE TEMPORARY PAVEMENT MARKING CONTROL AND PROTECTION PLANS.

TAPER LENGTH FOR TRAFFIC CONTROL DEVICES IS DEFINED BY:

$$L = \frac{W \times S^2}{60}$$

L=TAPER LENGTH IN FEET  
W=WIDTH OF OFFSET IN FEET  
S=POSTED SPEED IN M.P.H.

TEMPORARY PAVEMENT MARKINGS

- 100mm WHITE EDGE LINE - EACH EDGE (YELLOW FOR INSIDE EDGE)
- 100mm WHITE SKIP DASH - (9.144m SKIP-3.048m DASH) - BETWEEN LANES
- 100mm DOUBLE YELLOW - MEDIANS AND BETWEEN OPPOSING LANES
- 150mm WHITE LANE LINE - STORAGE AREA OF LEFT-TURN BAY
- 150mm WHITE SKIP DASH - (1.809m SKIP-600mm DASH) - LEFT-TURN BAY
- 300mm YELLOW DIAGONALS - (6.096m C-C) - MEDIANS AND GORES
- 600mm WHITE STOP BAR - ALL LOCATIONS
- WHITE LETTERS AND SYMBOLS - TURN LANES

LEGEND

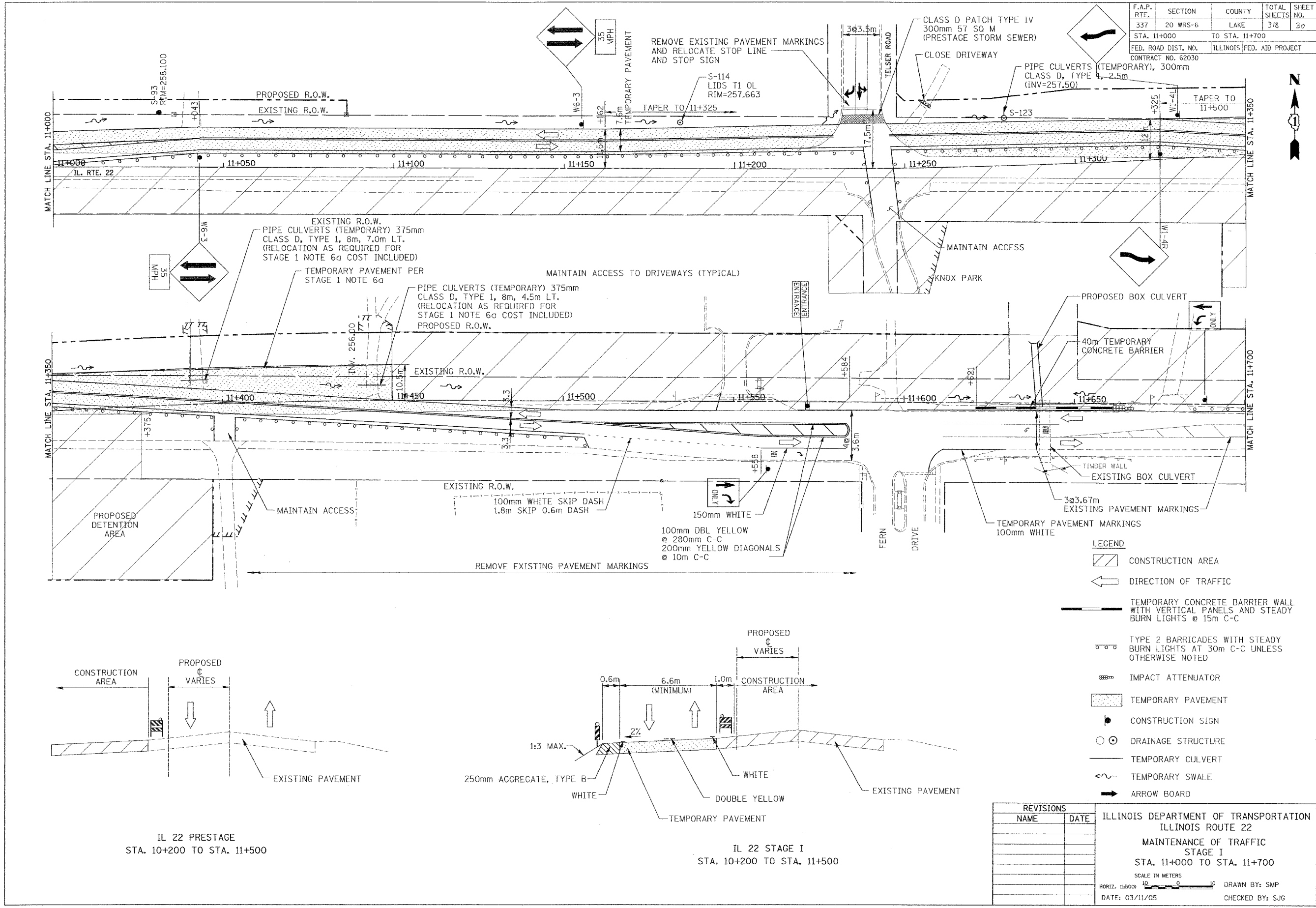
- CONSTRUCTION AREA
- DIRECTION OF TRAFFIC
- TEMPORARY CONCRETE BARRIER WALL WITH VERTICAL PANELS AND STEADY BURN LIGHTS @ 15m C-C
- TYPE 2 BARRICADES WITH STEADY BURN LIGHTS AT 30m C-C UNLESS OTHERWISE NOTED
- IMPACT ATTENUATOR
- TEMPORARY PAVEMENT
- CONSTRUCTION SIGN
- DRAINAGE STRUCTURE
- TEMPORARY CULVERT
- TEMPORARY SWALE
- ARROW BOARD

REVISIONS	
NAME	DATE

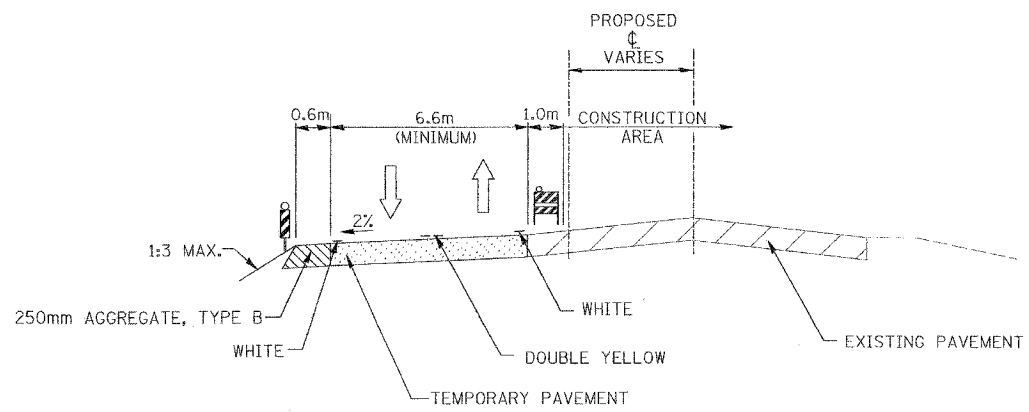
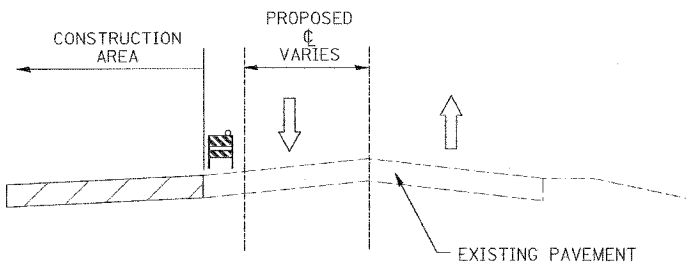
ILLINOIS DEPARTMENT OF TRANSPORTATION  
ILLINOIS ROUTE 22  
MAINTENANCE OF TRAFFIC  
STAGE I  
STA. 9+950 TO STA. 10+650  
SCALE IN METERS  
HORIZ. (1:5000) DRAWN BY: SMP  
DATE: 03/11/05 CHECKED BY: S.JG



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	20 WRS-6	LAKE	3/8	30
STA. 11+000		TO STA. 11+700		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 62030				



- LEGEND**
- CONSTRUCTION AREA
  - DIRECTION OF TRAFFIC
  - TEMPORARY CONCRETE BARRIER WALL WITH VERTICAL PANELS AND STEADY BURN LIGHTS @ 15m C-C
  - TYPE 2 BARRICADES WITH STEADY BURN LIGHTS AT 30m C-C UNLESS OTHERWISE NOTED
  - IMPACT ATTENUATOR
  - TEMPORARY PAVEMENT
  - CONSTRUCTION SIGN
  - DRAINAGE STRUCTURE
  - TEMPORARY CULVERT
  - TEMPORARY SWALE
  - ARROW BOARD

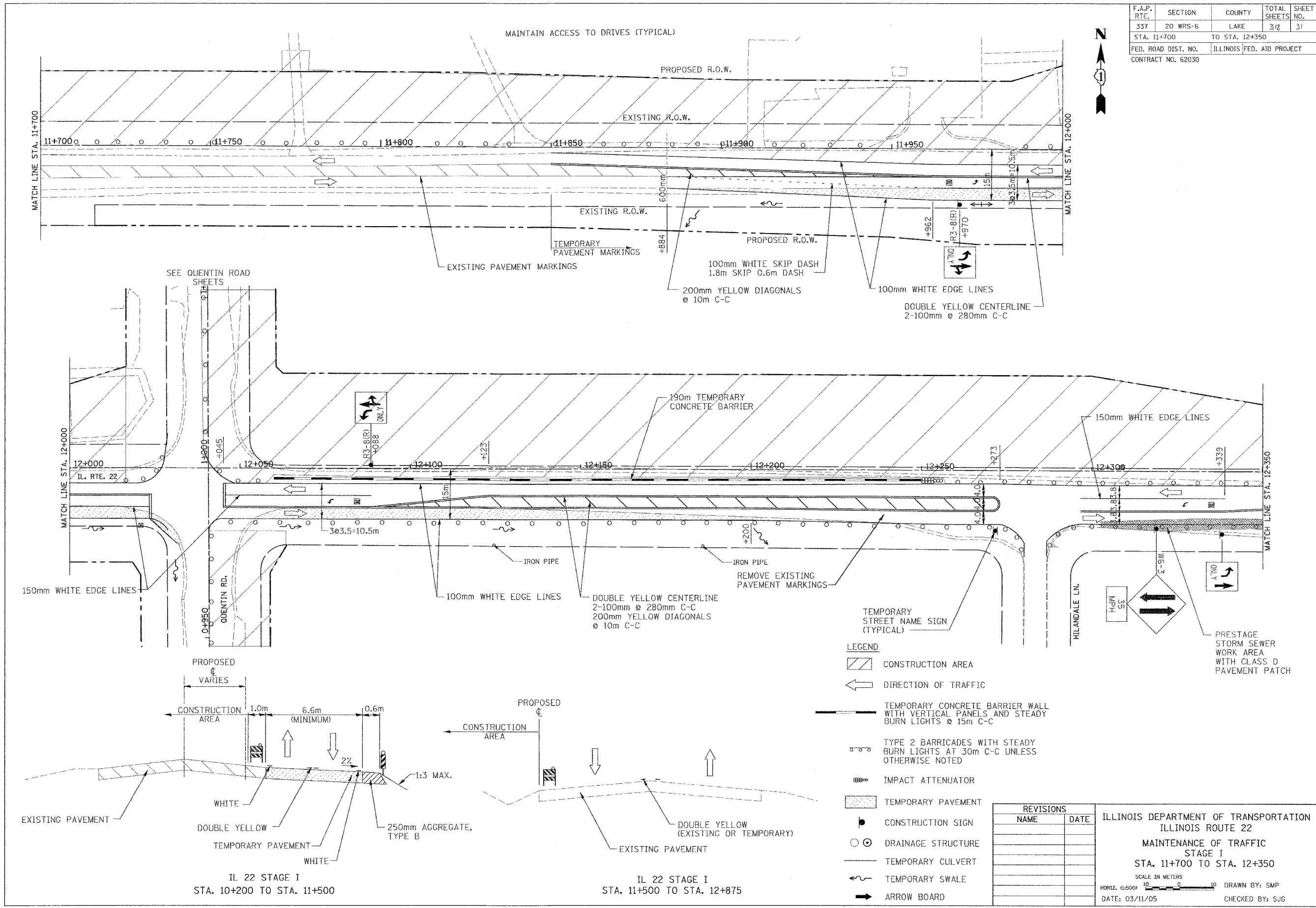
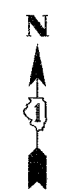


IL 22 PRESTAGE  
STA. 10+200 TO STA. 11+500

IL 22 STAGE I  
STA. 10+200 TO STA. 11+500

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION ILLINOIS ROUTE 22 MAINTENANCE OF TRAFFIC STAGE I STA. 11+000 TO STA. 11+700
NAME	DATE	
		SCALE IN METERS HORIZ. 1:12500 DATE: 03/11/05 DRAWN BY: SMP CHECKED BY: SJG

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	20 WRS-6	LAKE	318	31
STA. 11+700		TO STA. 12+350		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 62030				

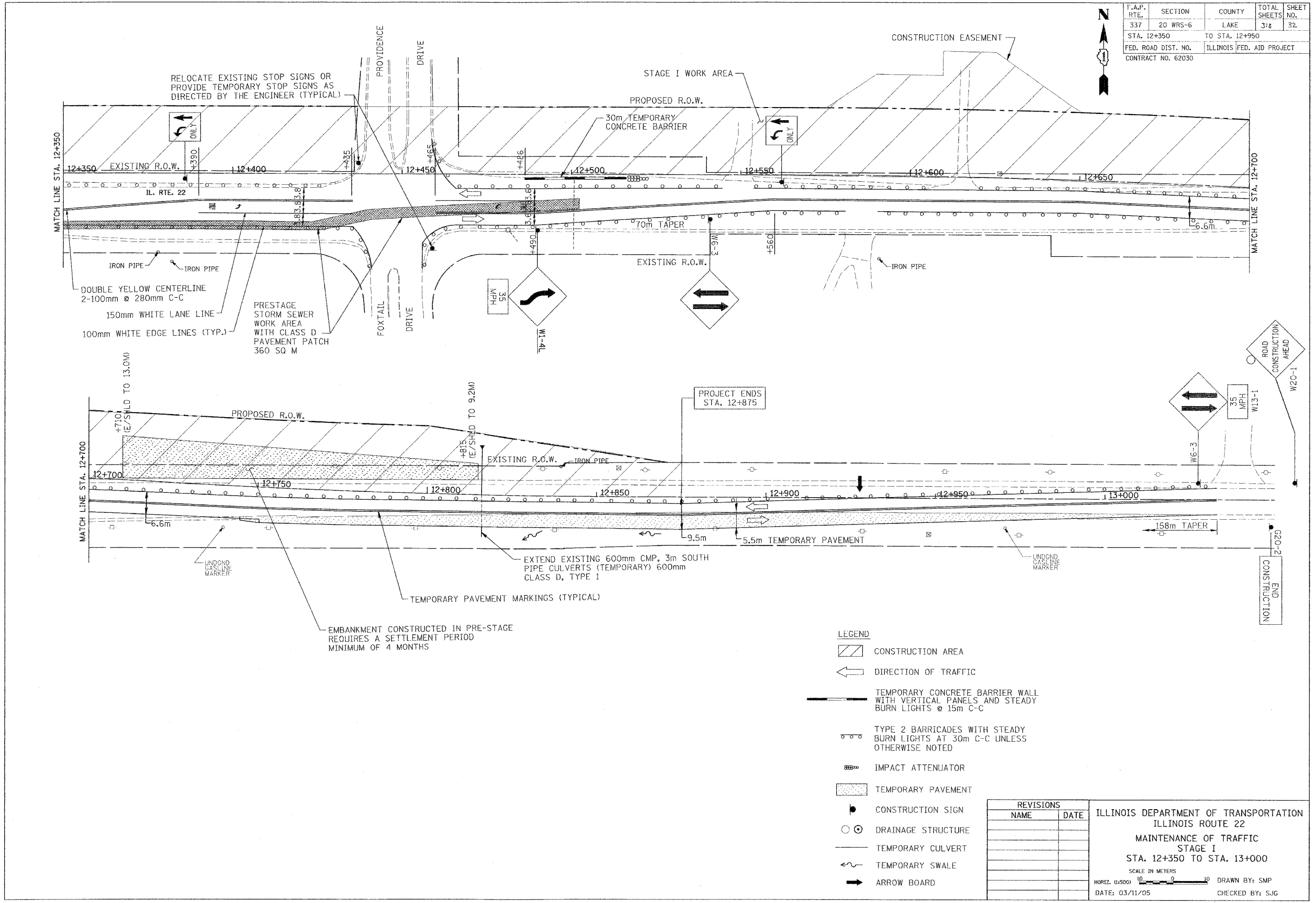


REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
ILLINOIS ROUTE 22  
MAINTENANCE OF TRAFFIC  
STAGE I  
STA. 11+700 TO STA. 12+350

SCALE IN METERS  
HORIZ. (1:5000) 0 10 20  
DATE: 03/11/05 DRAWN BY: SMP  
CHECKED BY: SJG

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	20 WRS-6	LAKE	318	32
STA. 12+350		TO STA. 12+950		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 62030				



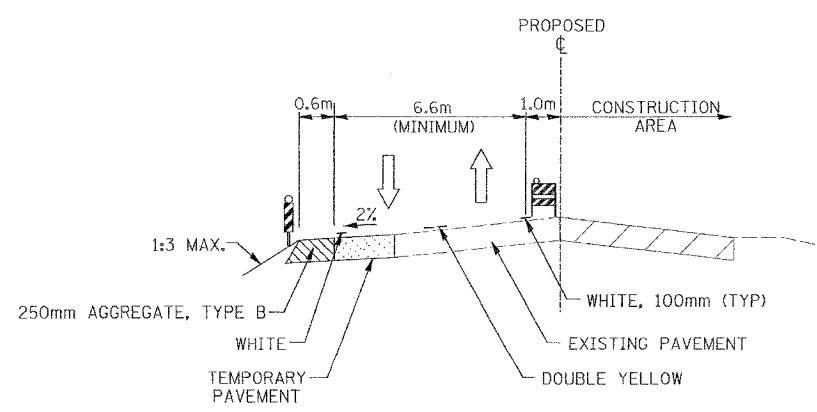
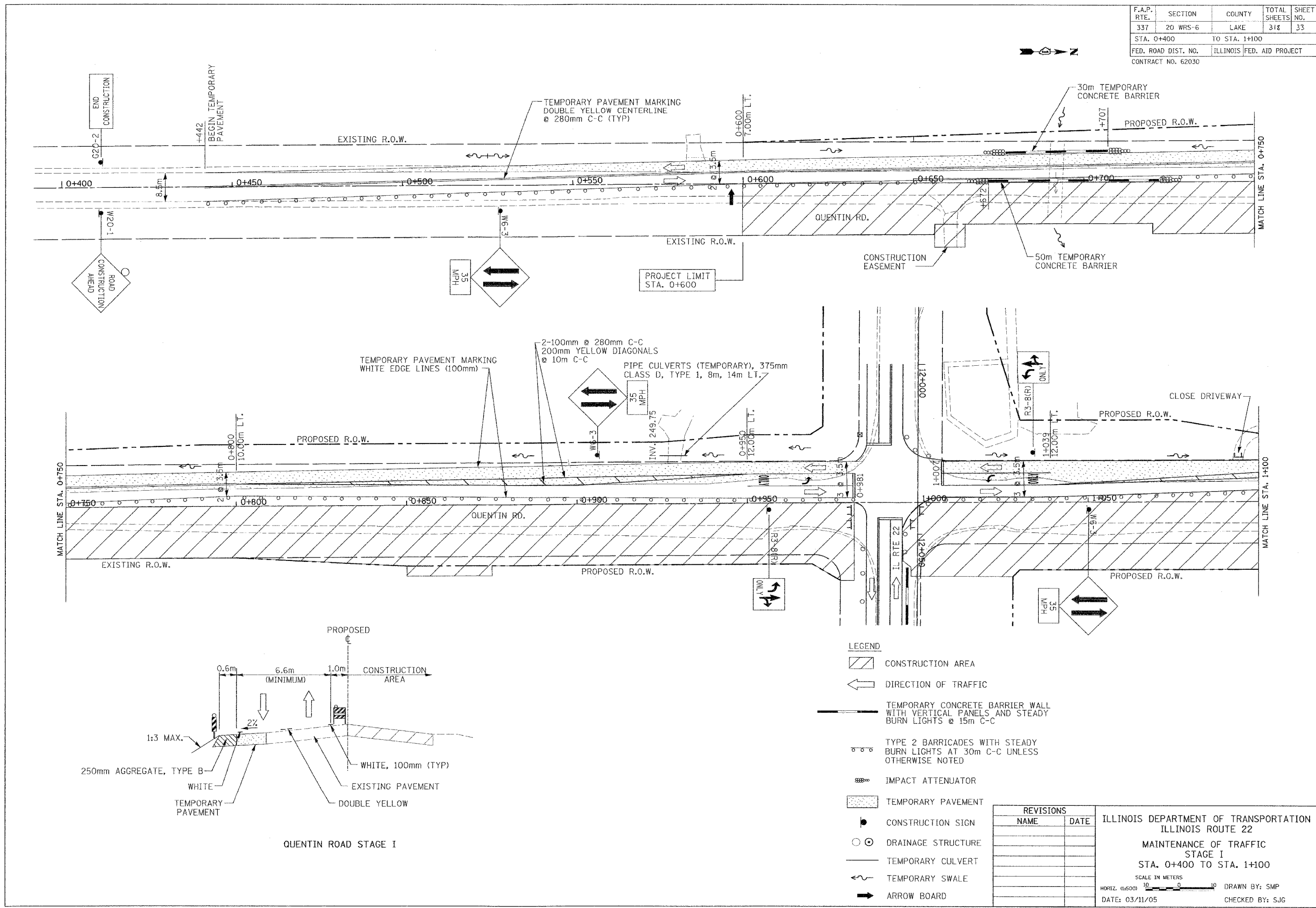
- LEGEND**
- CONSTRUCTION AREA
  - DIRECTION OF TRAFFIC
  - TEMPORARY CONCRETE BARRIER WALL WITH VERTICAL PANELS AND STEADY BURN LIGHTS @ 15m C-C
  - TYPE 2 BARRICADES WITH STEADY BURN LIGHTS AT 30m C-C UNLESS OTHERWISE NOTED
  - IMPACT ATTENUATOR
  - TEMPORARY PAVEMENT
  - CONSTRUCTION SIGN
  - DRAINAGE STRUCTURE
  - TEMPORARY CULVERT
  - TEMPORARY SWALE
  - ARROW BOARD

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
ILLINOIS ROUTE 22  
MAINTENANCE OF TRAFFIC  
STAGE I  
STA. 12+350 TO STA. 13+000  
SCALE IN METERS  
HORIZ. 1:5000  
DATE: 03/11/05  
DRAWN BY: SMP  
CHECKED BY: S.J.G.



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	20 WRS-6	LAKE	318	33
STA. 0+400		TO STA. 1+100		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 62030				



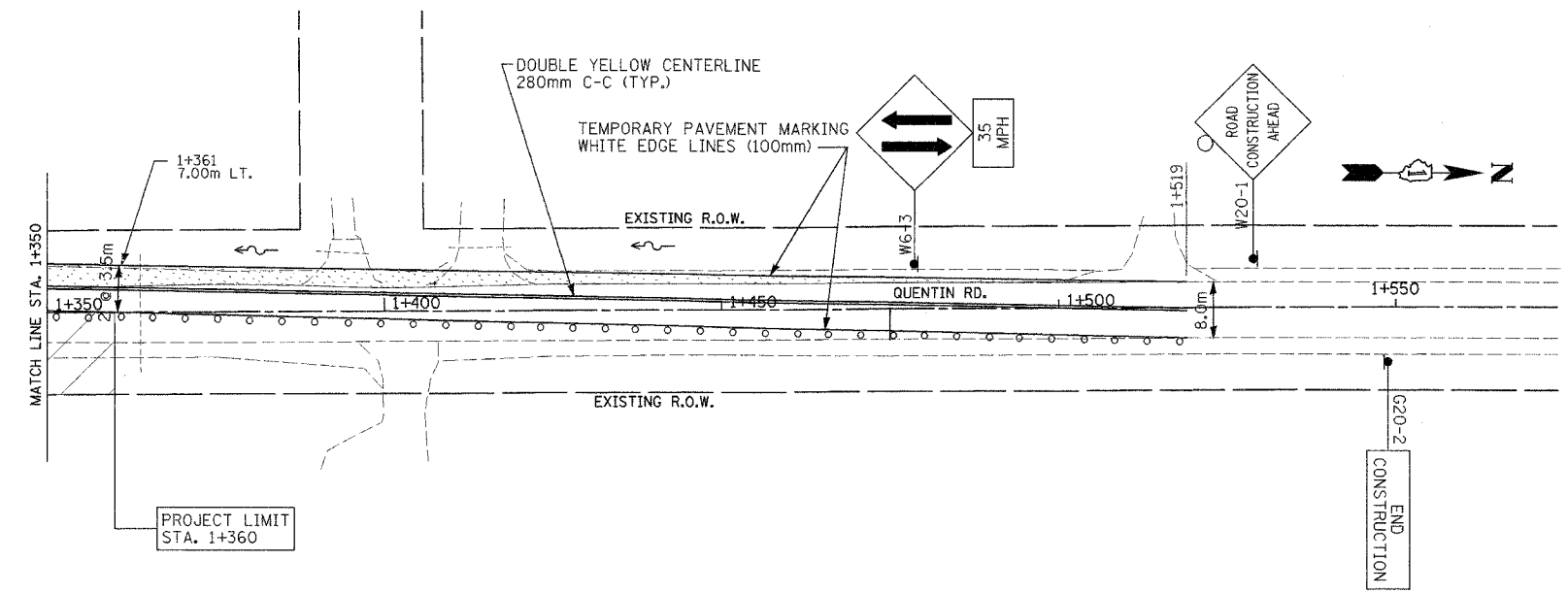
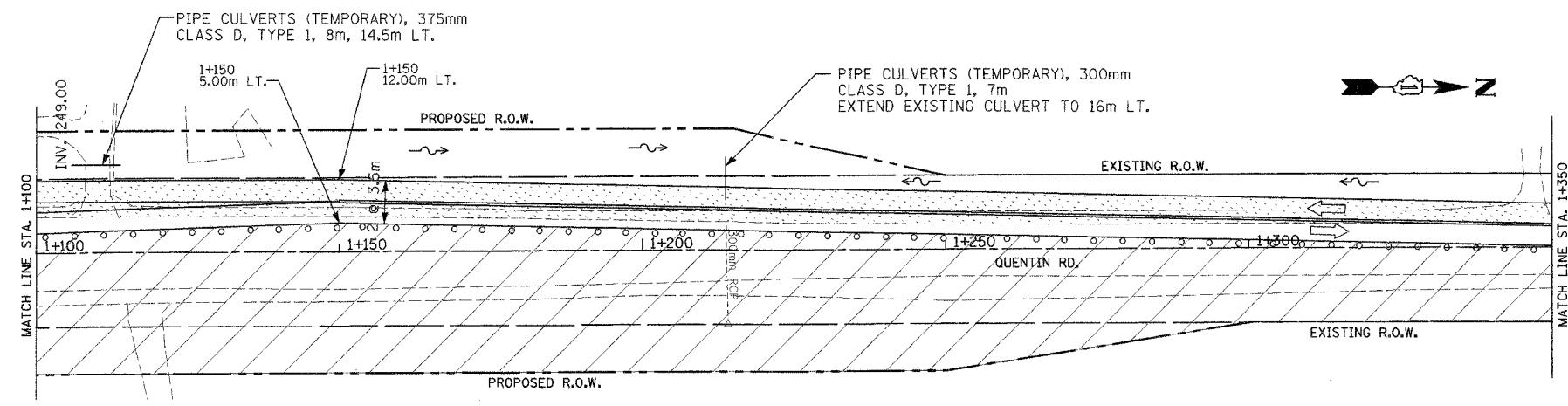
QUENTIN ROAD STAGE I

- LEGEND**
- CONSTRUCTION AREA
  - DIRECTION OF TRAFFIC
  - TEMPORARY CONCRETE BARRIER WALL WITH VERTICAL PANELS AND STEADY BURN LIGHTS @ 15m C-C
  - TYPE 2 BARRICADES WITH STEADY BURN LIGHTS AT 30m C-C UNLESS OTHERWISE NOTED
  - IMPACT ATTENUATOR
  - TEMPORARY PAVEMENT
  - CONSTRUCTION SIGN
  - DRAINAGE STRUCTURE
  - TEMPORARY CULVERT
  - TEMPORARY SWALE
  - ARROW BOARD

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
ILLINOIS ROUTE 22  
MAINTENANCE OF TRAFFIC  
STAGE I  
STA. 0+400 TO STA. 1+100  
SCALE IN METERS  
HORIZ. (1:500) DRAWN BY: SMP  
DATE: 03/11/05 CHECKED BY: SJG

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	20 WRS-6	LAKE	3/8	34
STA. 1+100		TO STA. 1+450		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 62030				



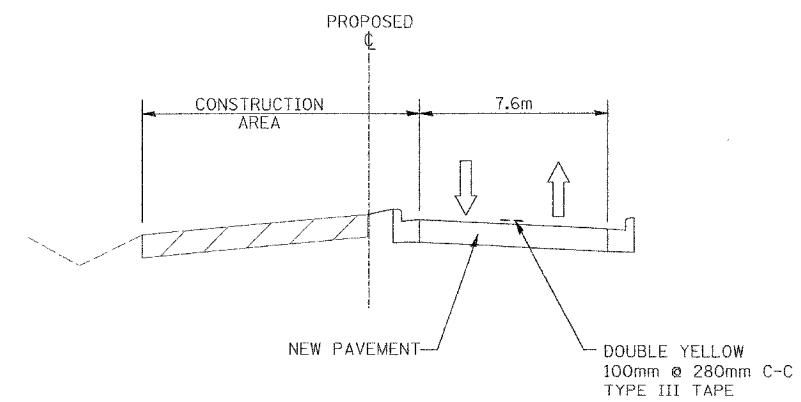
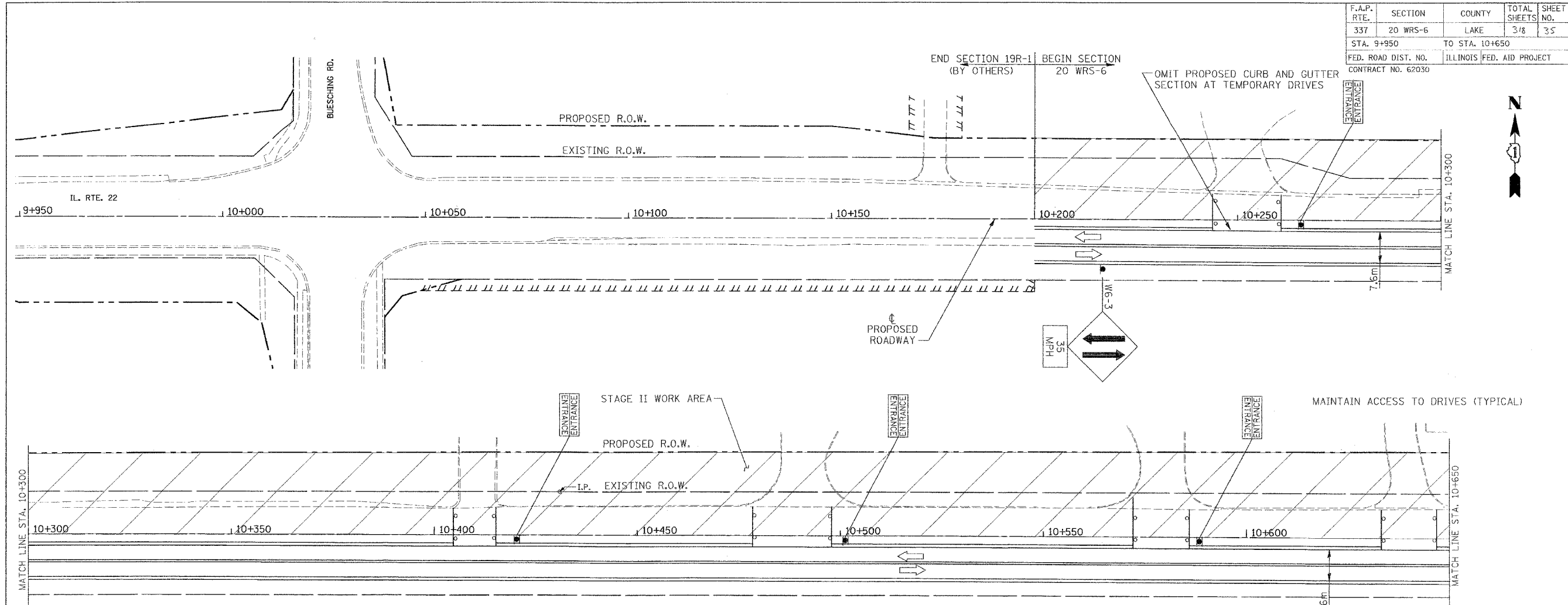
- LEGEND**
- CONSTRUCTION AREA
  - DIRECTION OF TRAFFIC
  - TEMPORARY CONCRETE BARRIER WALL WITH VERTICAL PANELS AND STEADY BURN LIGHTS @ 15m C-C
  - TYPE 2 BARRICADES WITH STEADY BURN LIGHTS AT 30m C-C UNLESS OTHERWISE NOTED
  - IMPACT ATTENUATOR
  - TEMPORARY PAVEMENT
  - CONSTRUCTION SIGN
  - DRAINAGE STRUCTURE
  - TEMPORARY CULVERT
  - TEMPORARY SWALE
  - ARROW BOARD

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
ILLINOIS ROUTE 22  
MAINTENANCE OF TRAFFIC  
STAGE I  
STA. 1+100 TO STA. 1+550

SCALE IN METERS  
HORIZ. (1:500) DRAWN BY: SMP  
DATE: 03/11/05 CHECKED BY: SJG

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	20 WRS-6	LAKE	3/8	35
STA. 9+950		TO STA. 10+650		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 62030				



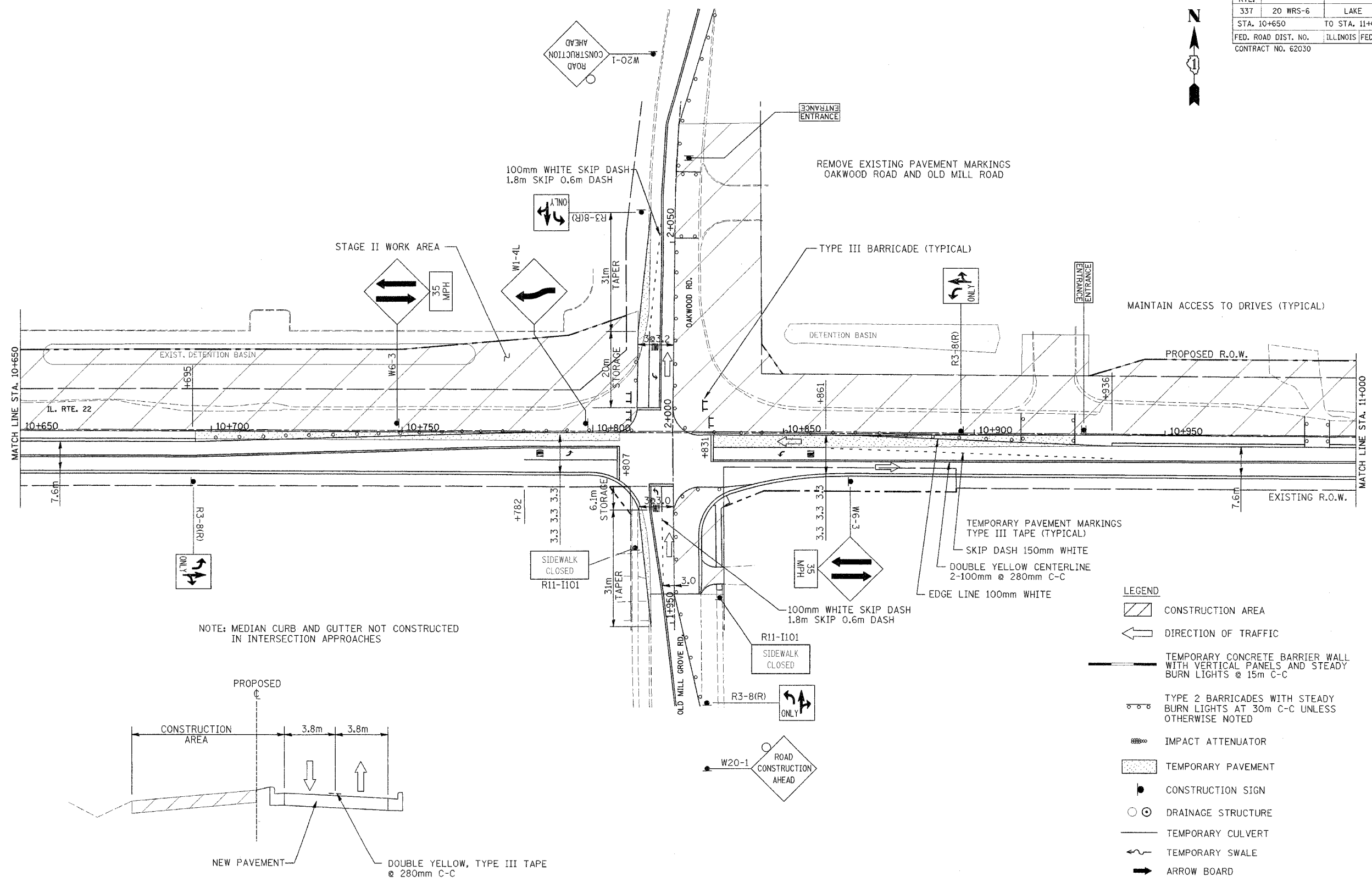
IL 22 STAGE II  
STA. 10+200 TO STA. 11+450

- LEGEND**
- CONSTRUCTION AREA
  - DIRECTION OF TRAFFIC
  - TEMPORARY CONCRETE BARRIER WALL WITH VERTICAL PANELS AND STEADY BURN LIGHTS @ 15m C-C
  - TYPE 2 BARRICADES WITH STEADY BURN LIGHTS AT 30m C-C UNLESS OTHERWISE NOTED
  - IMPACT ATTENUATOR
  - TEMPORARY PAVEMENT
  - CONSTRUCTION SIGN
  - DRAINAGE STRUCTURE
  - TEMPORARY CULVERT
  - TEMPORARY SWALE
  - ARROW BOARD

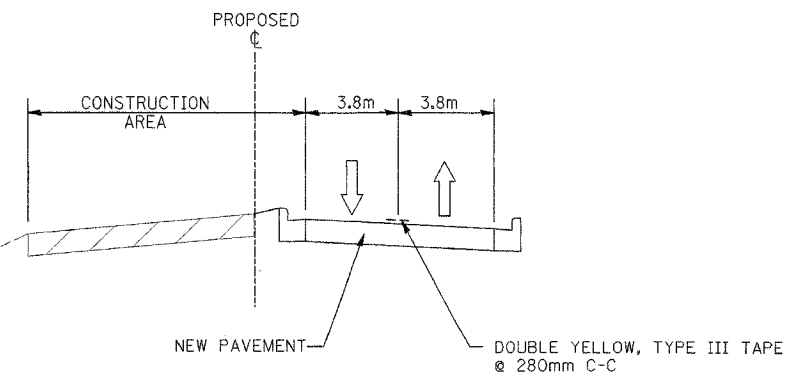
REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION ILLINOIS ROUTE 22 MAINTENANCE OF TRAFFIC STAGE II STA. 9+950 TO STA. 10+650 SCALE IN METERS HORIZ. 1:6500
NAME	DATE	
		DRAWN BY: SMP CHECKED BY: SJC

DATE: 03/11/05

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	20 WRS-6	LAKE	318	36
STA. 10+650		TO STA. 11+000		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 62030				



NOTE: MEDIAN CURB AND GUTTER NOT CONSTRUCTED IN INTERSECTION APPROACHES



IL 22 STAGE II  
STA. 10+200 TO STA. 11+450

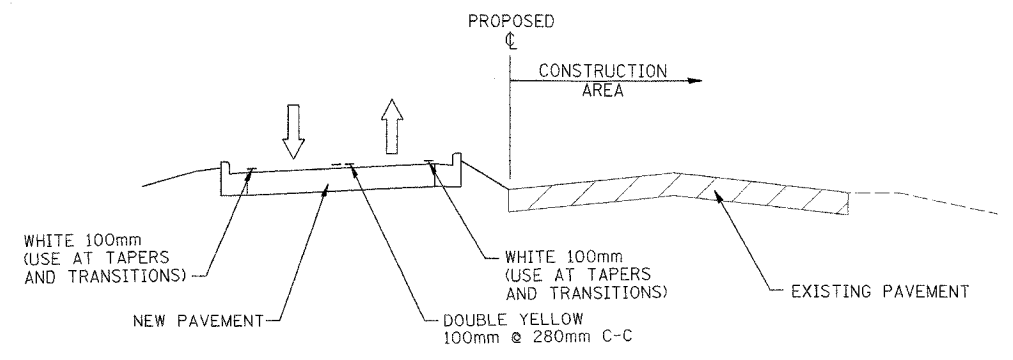
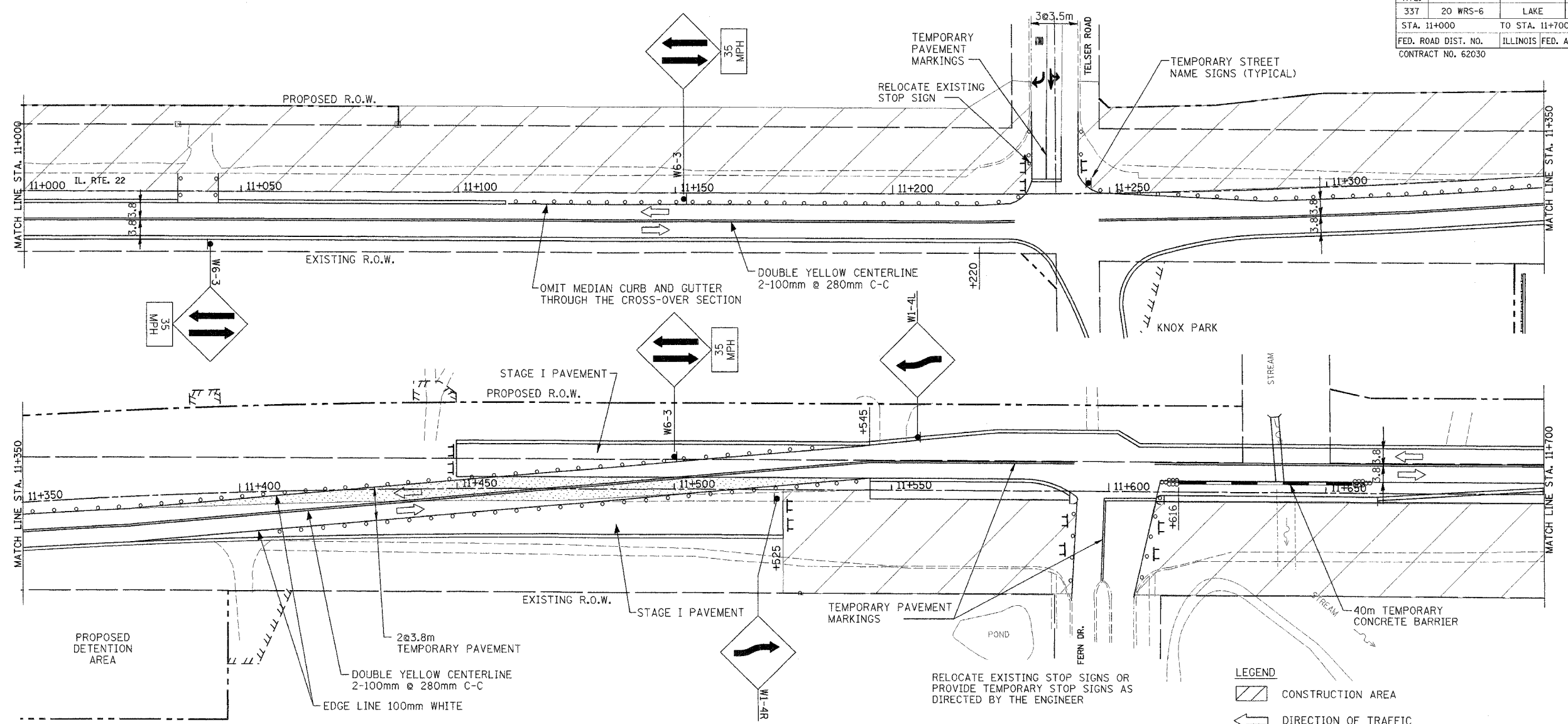
- LEGEND**
- CONSTRUCTION AREA
  - DIRECTION OF TRAFFIC
  - TEMPORARY CONCRETE BARRIER WALL WITH VERTICAL PANELS AND STEADY BURN LIGHTS @ 15m C-C
  - TYPE 2 BARRICADES WITH STEADY BURN LIGHTS AT 30m C-C UNLESS OTHERWISE NOTED
  - IMPACT ATTENUATOR
  - TEMPORARY PAVEMENT
  - CONSTRUCTION SIGN
  - DRAINAGE STRUCTURE
  - TEMPORARY CULVERT
  - TEMPORARY SWALE
  - ARROW BOARD

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
ILLINOIS ROUTE 22  
MAINTENANCE OF TRAFFIC  
STAGE II  
STA. 10+650 TO STA. 11+000

SCALE IN METERS  
HORIZ. (1:500) DRAWN BY: SMP  
DATE: 03/11/05 CHECKED BY: SJG

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	20 WRS-6	LAKE	318	37
STA. 11+000		TO STA. 11+700		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 62030				



TEMPORARY MARKINGS SHALL BE TYPE III TAPE ON NEW PAVEMENT

IL 22 STAGE II  
STA. 11+450 TO STA. 12+875

- LEGEND**
- CONSTRUCTION AREA
  - DIRECTION OF TRAFFIC
  - TEMPORARY CONCRETE BARRIER WALL WITH VERTICAL PANELS AND STEADY BURN LIGHTS @ 15m C-C
  - TYPE 2 BARRICADES WITH STEADY BURN LIGHTS AT 30m C-C UNLESS OTHERWISE NOTED
  - IMPACT ATTENUATOR
  - TEMPORARY PAVEMENT
  - CONSTRUCTION SIGN
  - DRAINAGE STRUCTURE
  - TEMPORARY CULVERT
  - TEMPORARY SWALE
  - ARROW BOARD

REVISIONS	
NAME	DATE

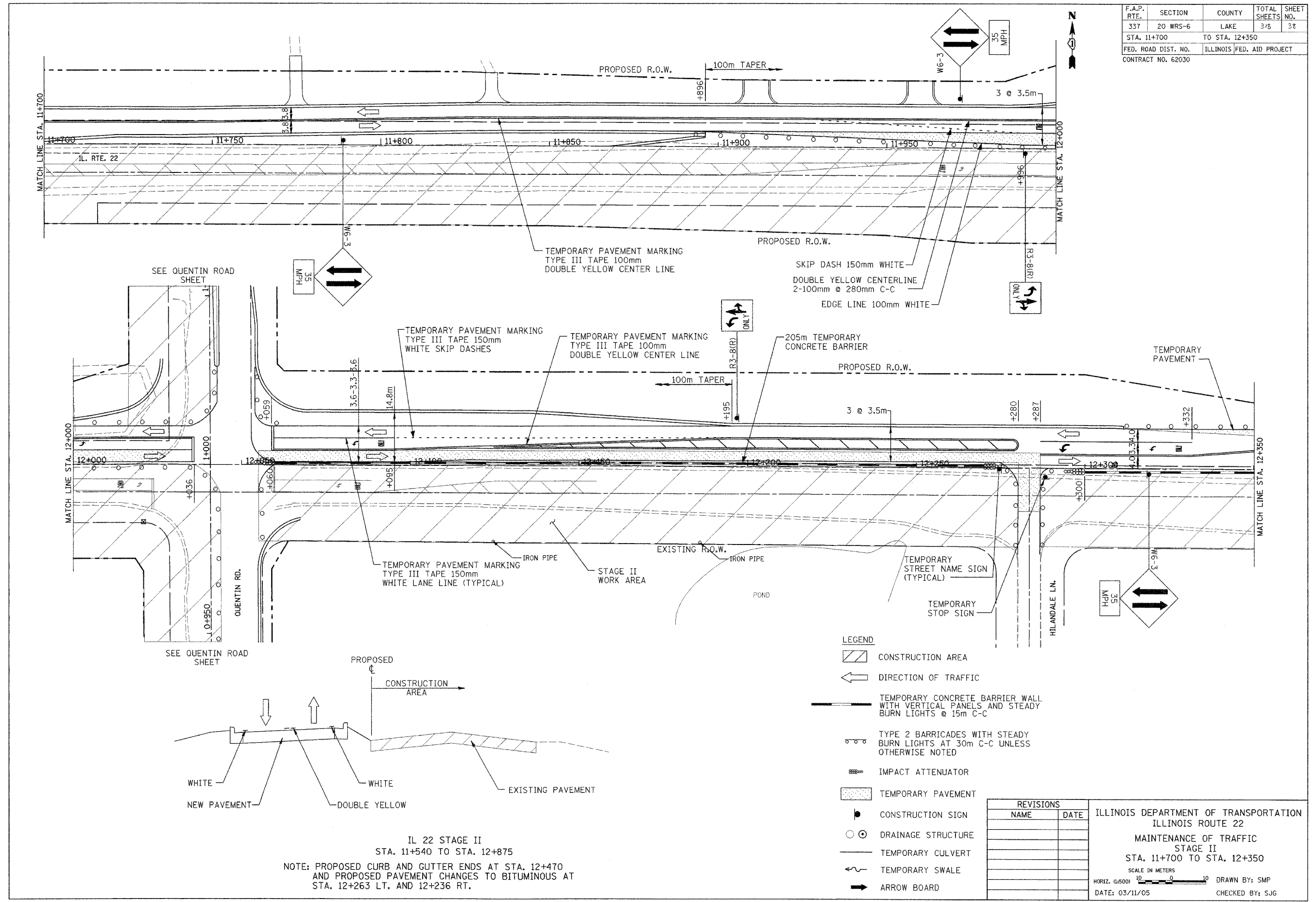
ILLINOIS DEPARTMENT OF TRANSPORTATION  
ILLINOIS ROUTE 22  
MAINTENANCE OF TRAFFIC  
STAGE II  
STA. 11+000 TO STA. 11+700

SCALE IN METERS  
HORIZ. 1:5000

DATE: 03/11/05

DRAWN BY: SMP  
CHECKED BY: SJG

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	20 WRS-6	LAKE	318	38
STA. 11+700		TO STA. 12+350		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 62030				



- LEGEND**
- CONSTRUCTION AREA
  - DIRECTION OF TRAFFIC
  - TEMPORARY CONCRETE BARRIER WALL WITH VERTICAL PANELS AND STEADY BURN LIGHTS @ 15m C-C
  - TYPE 2 BARRICADES WITH STEADY BURN LIGHTS AT 30m C-C UNLESS OTHERWISE NOTED
  - IMPACT ATTENUATOR
  - TEMPORARY PAVEMENT
  - CONSTRUCTION SIGN
  - DRAINAGE STRUCTURE
  - TEMPORARY CULVERT
  - TEMPORARY SWALE
  - ARROW BOARD

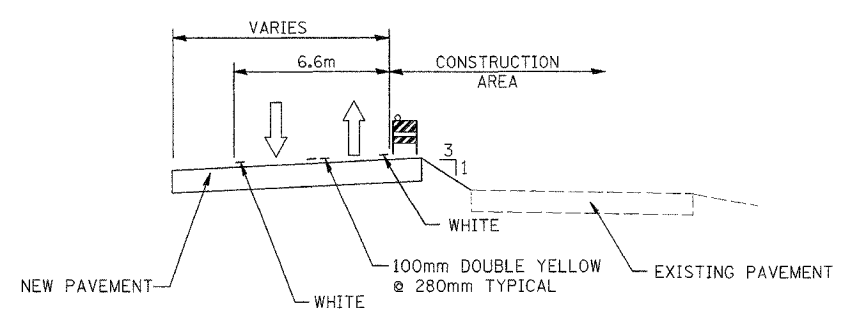
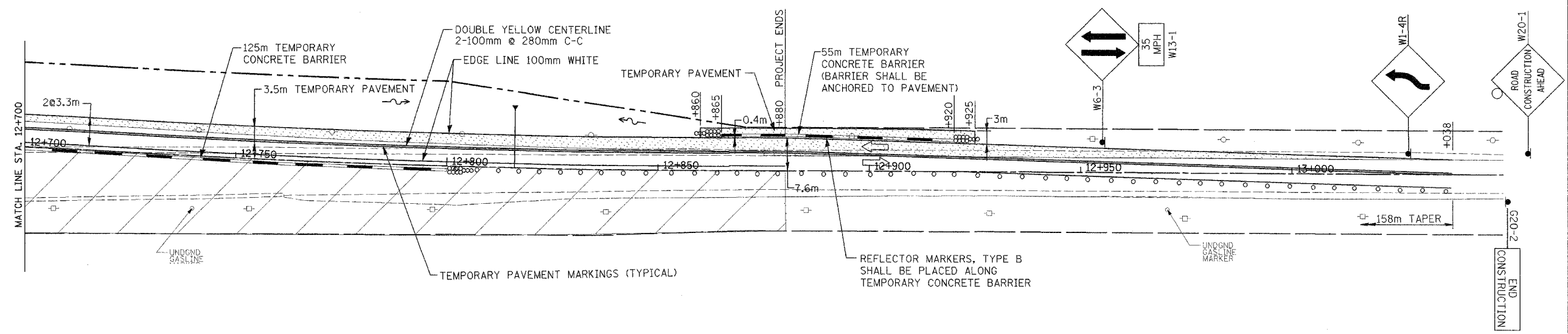
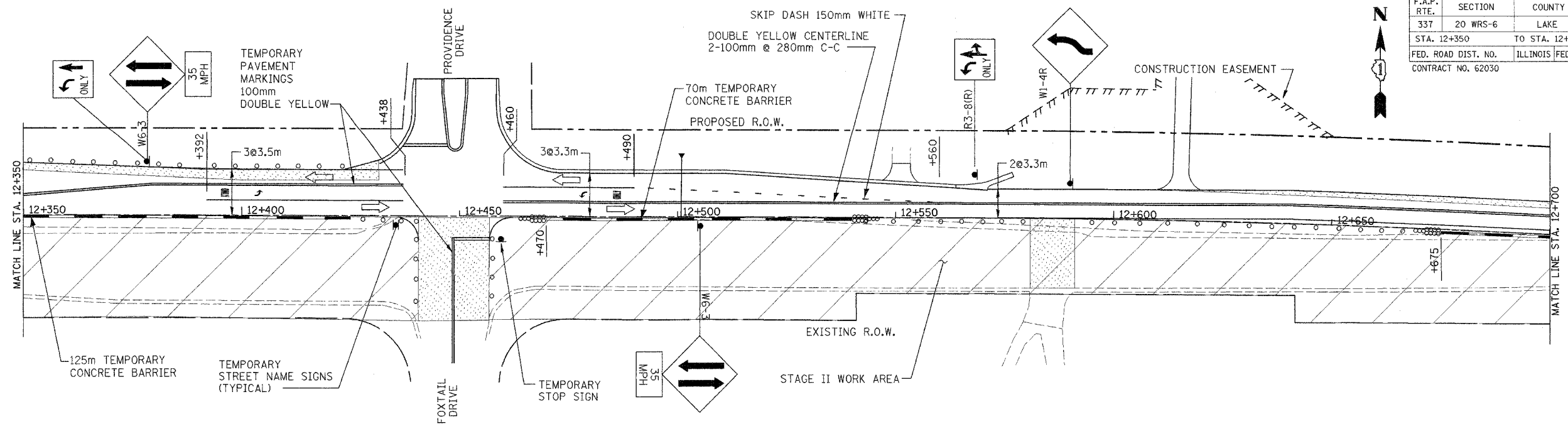
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 ILLINOIS ROUTE 22  
 MAINTENANCE OF TRAFFIC  
 STAGE II  
 STA. 11+700 TO STA. 12+350

SCALE IN METERS  
 HORIZ. (1:500) DRAWN BY: SMP  
 DATE: 03/11/05 CHECKED BY: SJG

IL 22 STAGE II  
 STA. 11+540 TO STA. 12+875  
 NOTE: PROPOSED CURB AND GUTTER ENDS AT STA. 12+470  
 AND PROPOSED PAVEMENT CHANGES TO BITUMINOUS AT  
 STA. 12+263 LT. AND 12+236 RT.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	20 WRS-6	LAKE	3/8	31
STA. 12+350		TO STA. 12+950		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 62030				



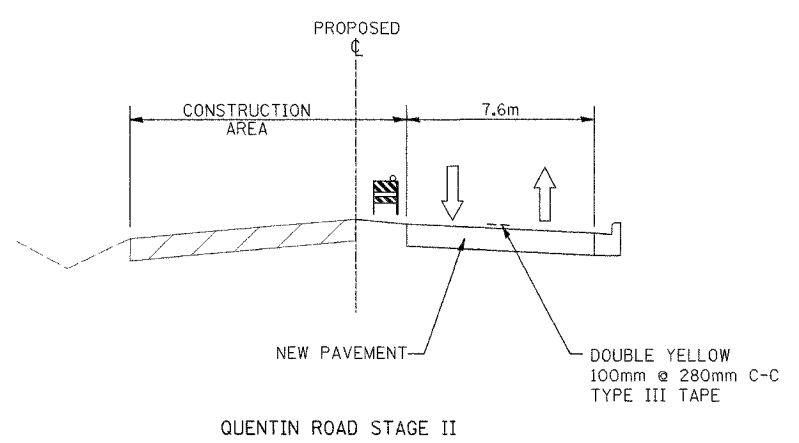
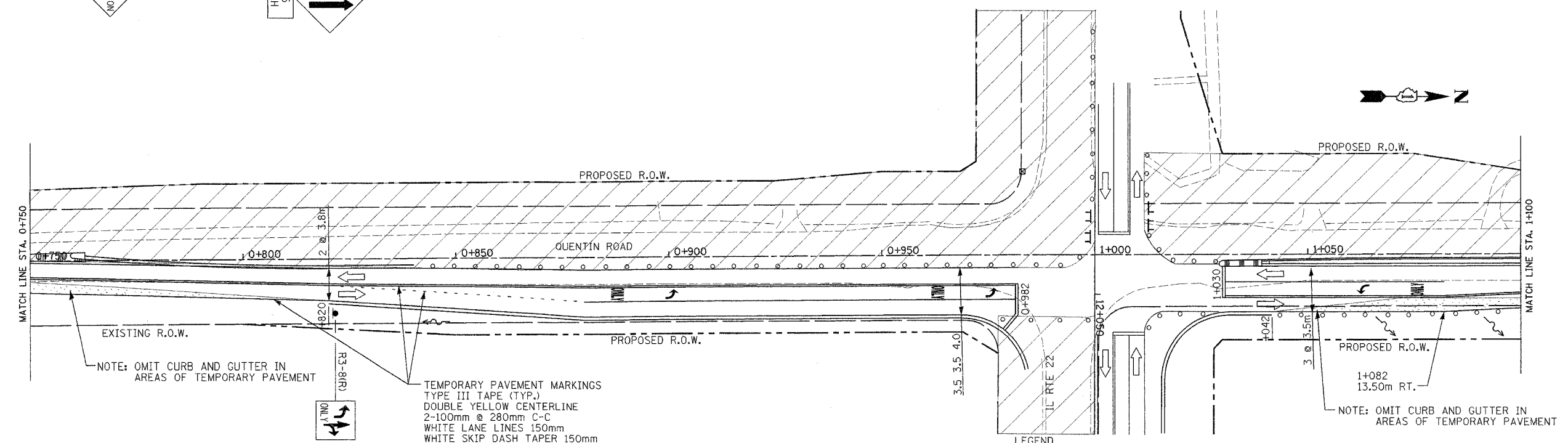
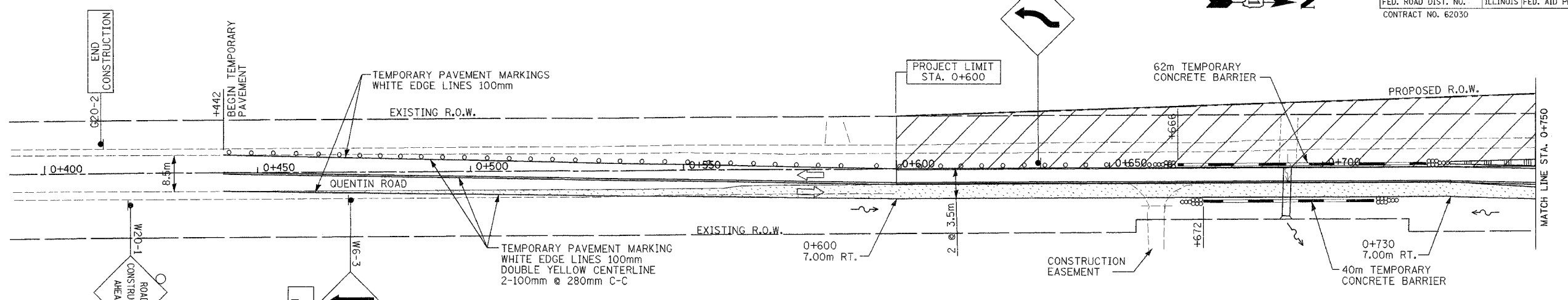
IL 22 STAGE II  
STA. 12+470 TO STA. 12+875

- LEGEND**
- CONSTRUCTION AREA
  - DIRECTION OF TRAFFIC
  - TEMPORARY CONCRETE BARRIER WALL WITH VERTICAL PANELS AND STEADY BURN LIGHTS @ 15m C-C
  - TYPE 2 BARRICADES WITH STEADY BURN LIGHTS AT 30m C-C UNLESS OTHERWISE NOTED
  - IMPACT ATTENUATOR
  - TEMPORARY PAVEMENT
  - CONSTRUCTION SIGN
  - DRAINAGE STRUCTURE
  - TEMPORARY CULVERT
  - TEMPORARY SWALE
  - ARROW BOARD

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
ILLINOIS ROUTE 22  
MAINTENANCE OF TRAFFIC  
STAGE II  
STA. 12+350 TO STA. 13+000  
SCALE IN METERS  
HORIZ. (1:500) DRAWN BY: SMP  
DATE: 03/11/05 CHECKED BY: SJG

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	20 WRS-6	LAKE	318	40
STA. 0+400		TO STA. 1+100		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
CONTRACT NO. 62030				



- LEGEND**
- CONSTRUCTION AREA
  - DIRECTION OF TRAFFIC
  - TEMPORARY CONCRETE BARRIER WALL WITH VERTICAL PANELS AND STEADY BURN LIGHTS @ 15m C-C
  - TYPE 2 BARRICADES WITH STEADY BURN LIGHTS AT 30m C-C UNLESS OTHERWISE NOTED
  - IMPACT ATTENUATOR
  - TEMPORARY PAVEMENT
  - CONSTRUCTION SIGN
  - DRAINAGE STRUCTURE
  - TEMPORARY CULVERT
  - TEMPORARY SWALE
  - ARROW BOARD

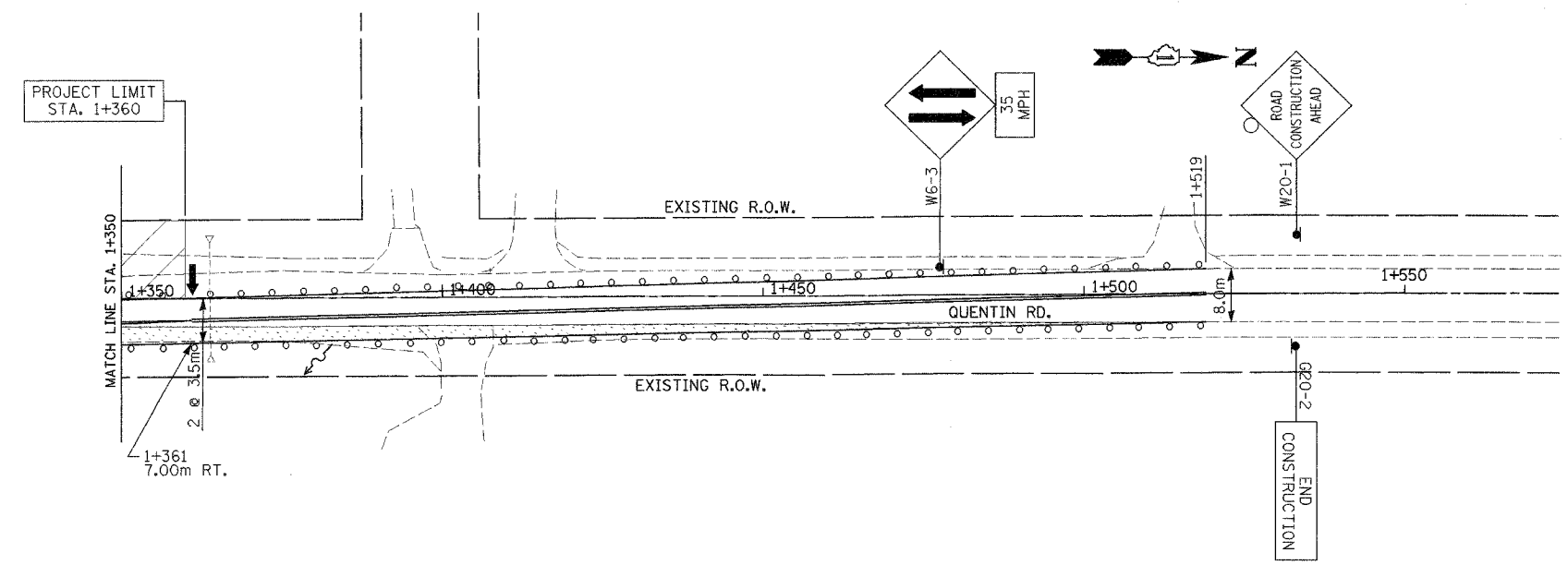
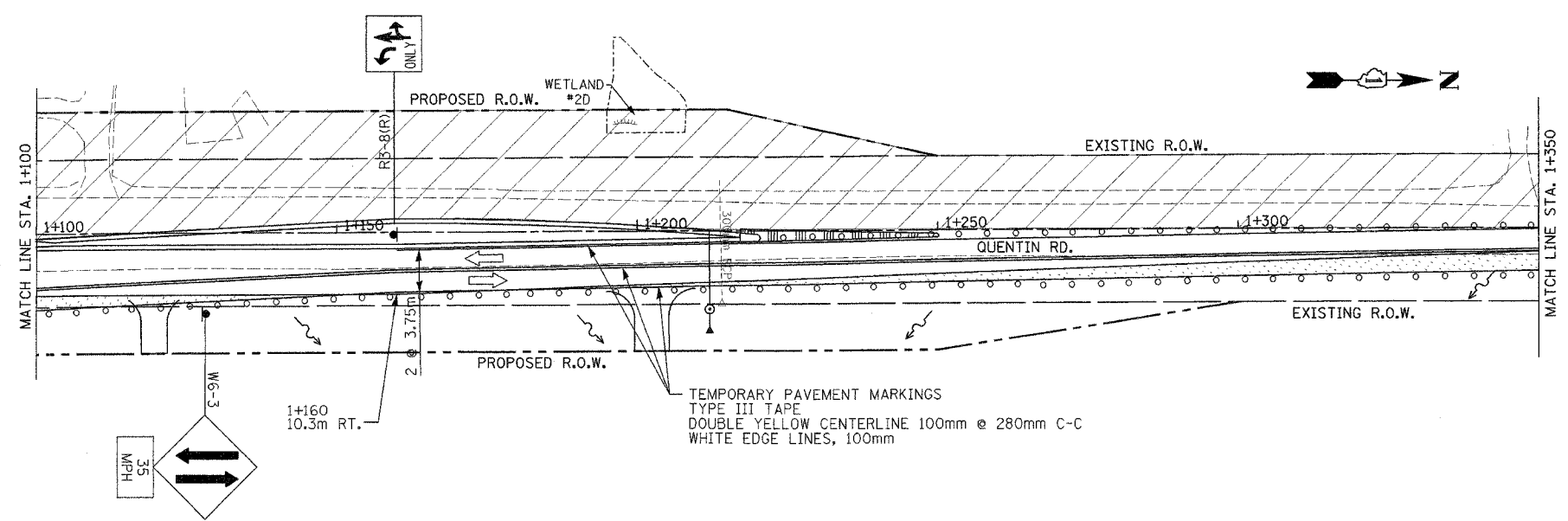
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
ILLINOIS ROUTE 22  
MAINTENANCE OF TRAFFIC  
STAGE II  
STA. 0+400 TO STA. 1+100

SCALE IN METERS  
HORIZ. (1:5000) DRAWN BY: SMP  
DATE: 03/11/05 CHECKED BY: SJG



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	20 WRS-6	LAKE	3/8	4/
STA. 1+100		TO STA. 1+450		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 62030				



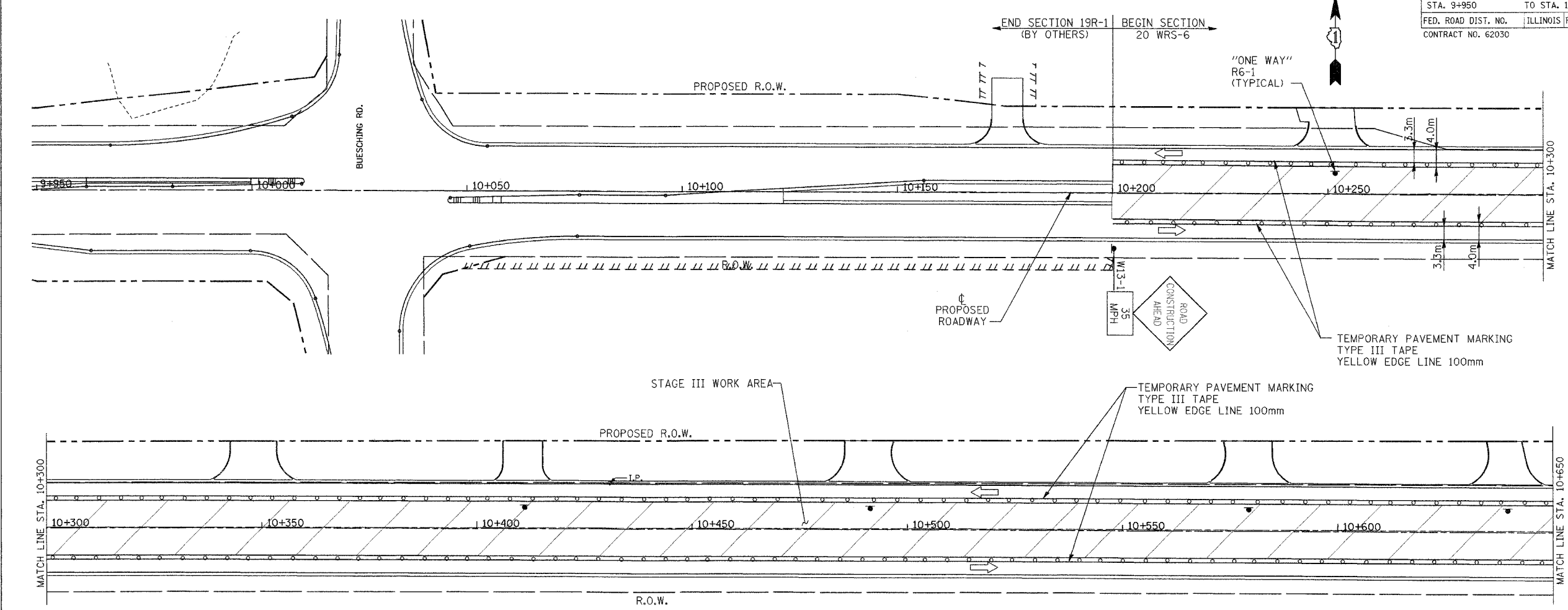
- LEGEND**
- CONSTRUCTION AREA
  - DIRECTION OF TRAFFIC
  - TEMPORARY CONCRETE BARRIER WALL WITH VERTICAL PANELS AND STEADY BURN LIGHTS @ 15m C-C
  - TYPE 2 BARRICADES WITH STEADY BURN LIGHTS AT 30m C-C UNLESS OTHERWISE NOTED
  - IMPACT ATTENUATOR
  - TEMPORARY PAVEMENT
  - CONSTRUCTION SIGN
  - DRAINAGE STRUCTURE
  - TEMPORARY CULVERT
  - TEMPORARY SWALE
  - ARROW BOARD

REVISIONS	
NAME	DATE

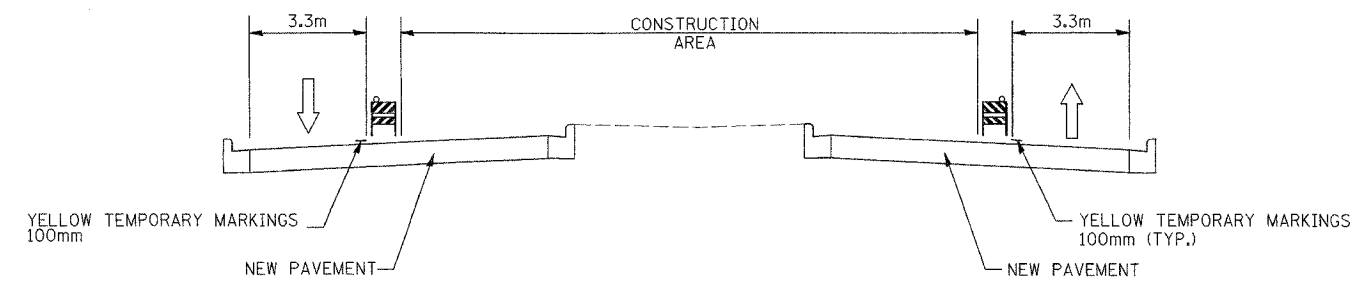
ILLINOIS DEPARTMENT OF TRANSPORTATION  
ILLINOIS ROUTE 22  
MAINTENANCE OF TRAFFIC  
STAGE II  
STA. 1+100 TO STA. 1+550

SCALE IN METERS  
HORIZ. (1:500) DRAWN BY: SMP  
DATE: 03/11/05 CHECKED BY: SJG

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	20 WRS-6	LAKE	318	42
STA. 9+950		TO STA. 10+650		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
CONTRACT NO. 62030				



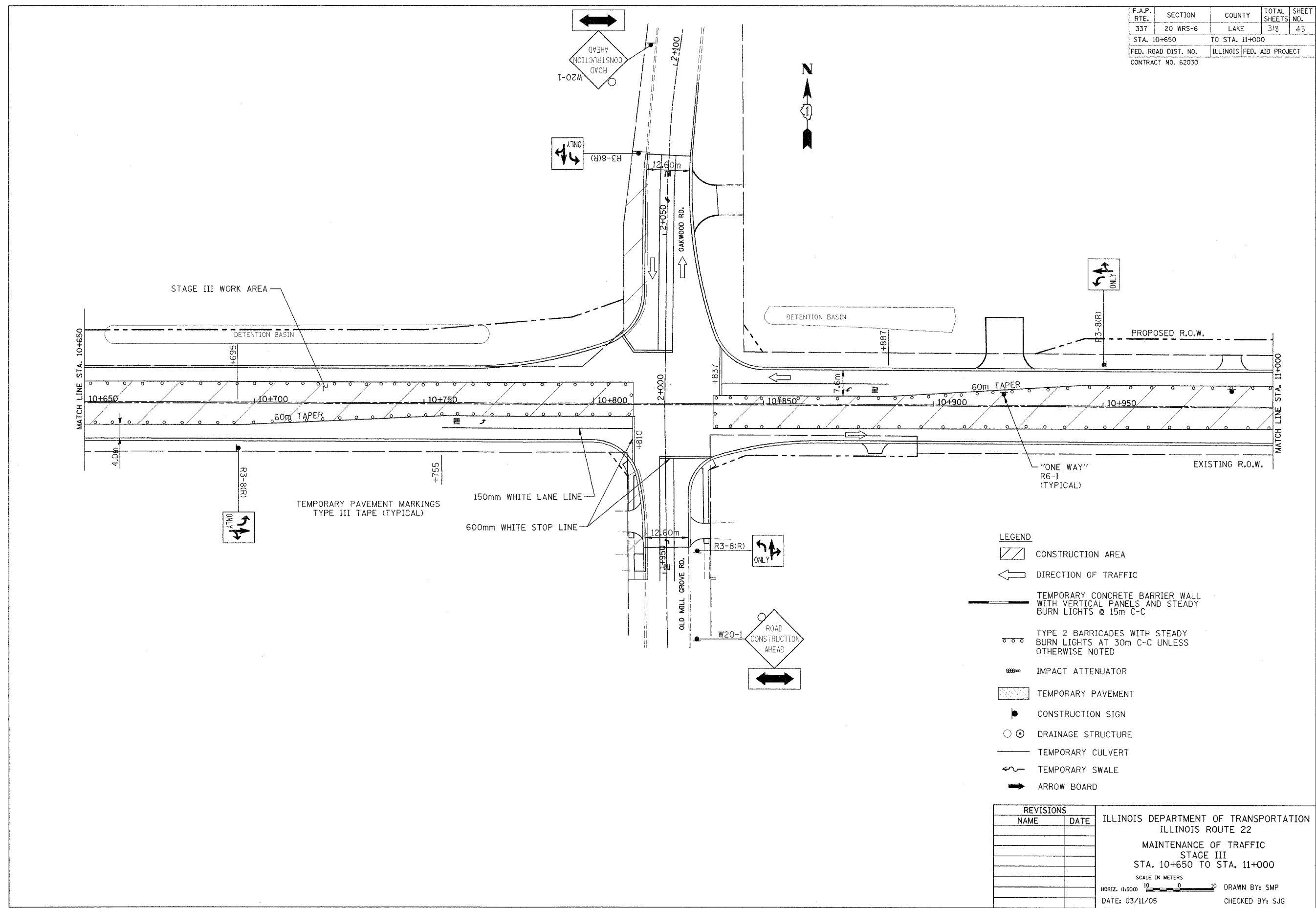
- LEGEND**
- CONSTRUCTION AREA
  - DIRECTION OF TRAFFIC
  - TEMPORARY CONCRETE BARRIER WALL WITH VERTICAL PANELS AND STEADY BURN LIGHTS @ 15m C-C
  - TYPE 2 BARRICADES WITH STEADY BURN LIGHTS AT 30m C-C UNLESS OTHERWISE NOTED
  - IMPACT ATTENUATOR
  - TEMPORARY PAVEMENT
  - CONSTRUCTION SIGN
  - DRAINAGE STRUCTURE
  - TEMPORARY CULVERT
  - TEMPORARY SWALE
  - ARROW BOARD



IL 22 STAGE III  
STA. 10+200 TO STA. 12+450

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION ILLINOIS ROUTE 22 MAINTENANCE OF TRAFFIC STAGE III STA. 9+950 TO STA. 10+650
NAME	DATE	
		SCALE IN METERS HORIZ. (1:500)  DRAWN BY: SMP DATE: 03/11/05 CHECKED BY: SJG

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	20 WRS-6	LAKE	318	43
STA. 10+650		TO STA. 11+000		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 62030				

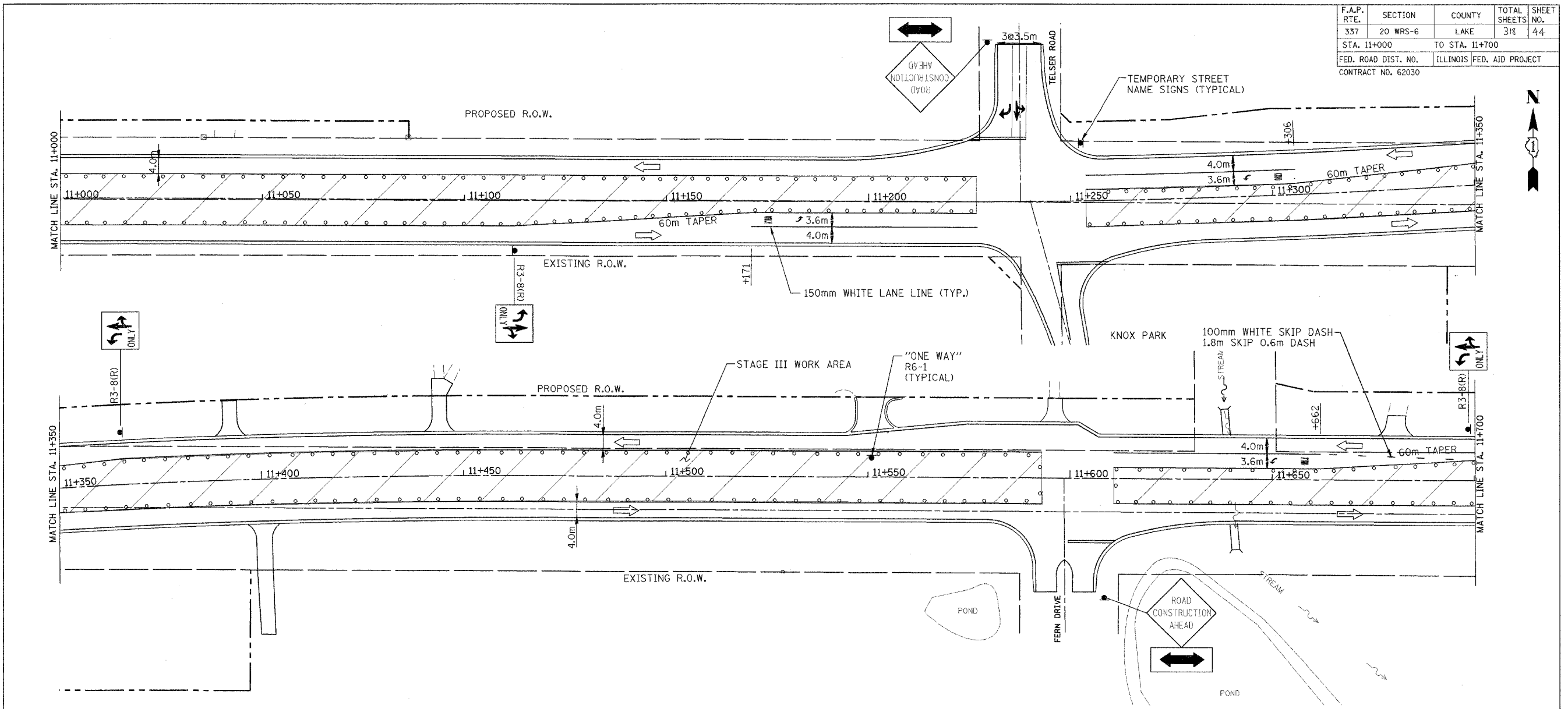


- LEGEND**
- CONSTRUCTION AREA
  - DIRECTION OF TRAFFIC
  - TEMPORARY CONCRETE BARRIER WALL WITH VERTICAL PANELS AND STEADY BURN LIGHTS @ 15m C-C
  - TYPE 2 BARRICADES WITH STEADY BURN LIGHTS AT 30m C-C UNLESS OTHERWISE NOTED
  - IMPACT ATTENUATOR
  - TEMPORARY PAVEMENT
  - CONSTRUCTION SIGN
  - DRAINAGE STRUCTURE
  - TEMPORARY CULVERT
  - TEMPORARY SWALE
  - ARROW BOARD

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
ILLINOIS ROUTE 22  
MAINTENANCE OF TRAFFIC  
STAGE III  
STA. 10+650 TO STA. 11+000  
SCALE IN METERS  
HORIZ. 1:1500 0 10  
DATE: 03/11/05 DRAWN BY: SMP  
CHECKED BY: SJG

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	20 WRS-6	LAKE	318	44
STA. 11+000		TO STA. 11+700		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 62030				



**LEGEND**

- CONSTRUCTION AREA
- DIRECTION OF TRAFFIC
- TEMPORARY CONCRETE BARRIER WALL WITH VERTICAL PANELS AND STEADY BURN LIGHTS @ 15m C-C
- TYPE 2 BARRICADES WITH STEADY BURN LIGHTS AT 30m C-C UNLESS OTHERWISE NOTED
- IMPACT ATTENUATOR
- TEMPORARY PAVEMENT
- CONSTRUCTION SIGN
- DRAINAGE STRUCTURE
- TEMPORARY CULVERT
- TEMPORARY SWALE
- ARROW BOARD

REVISIONS	
NAME	DATE

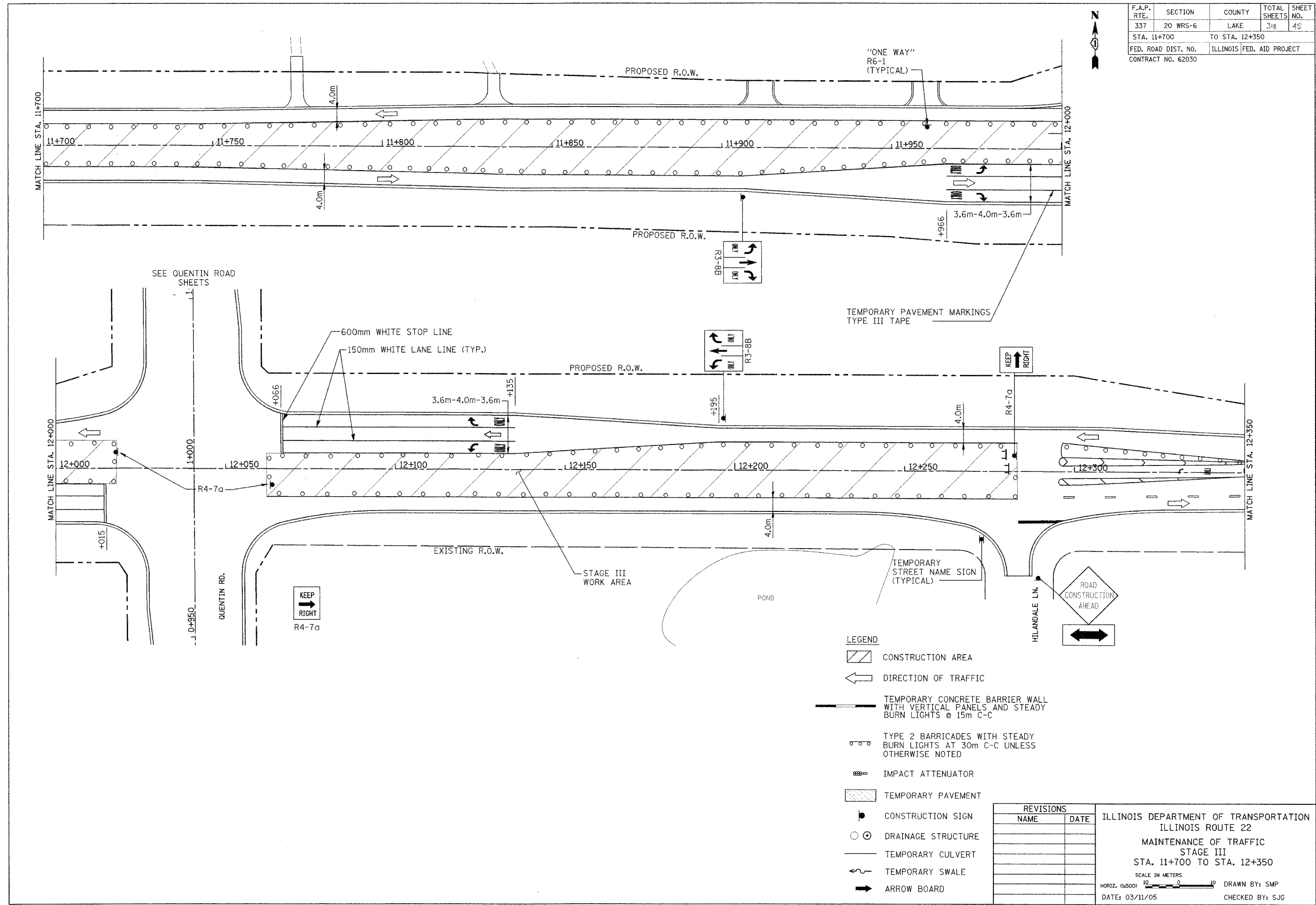
ILLINOIS DEPARTMENT OF TRANSPORTATION  
ILLINOIS ROUTE 22  
MAINTENANCE OF TRAFFIC  
STAGE III  
STA. 11+000 TO STA. 11+700

SCALE IN METERS  
HORIZ. 1:5000

DATE: 03/11/05

DRAWN BY: SMP  
CHECKED BY: SJG

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	20 WRS-6	LAKE	38	45
STA. 11+700		TO STA. 12+350		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 62030				



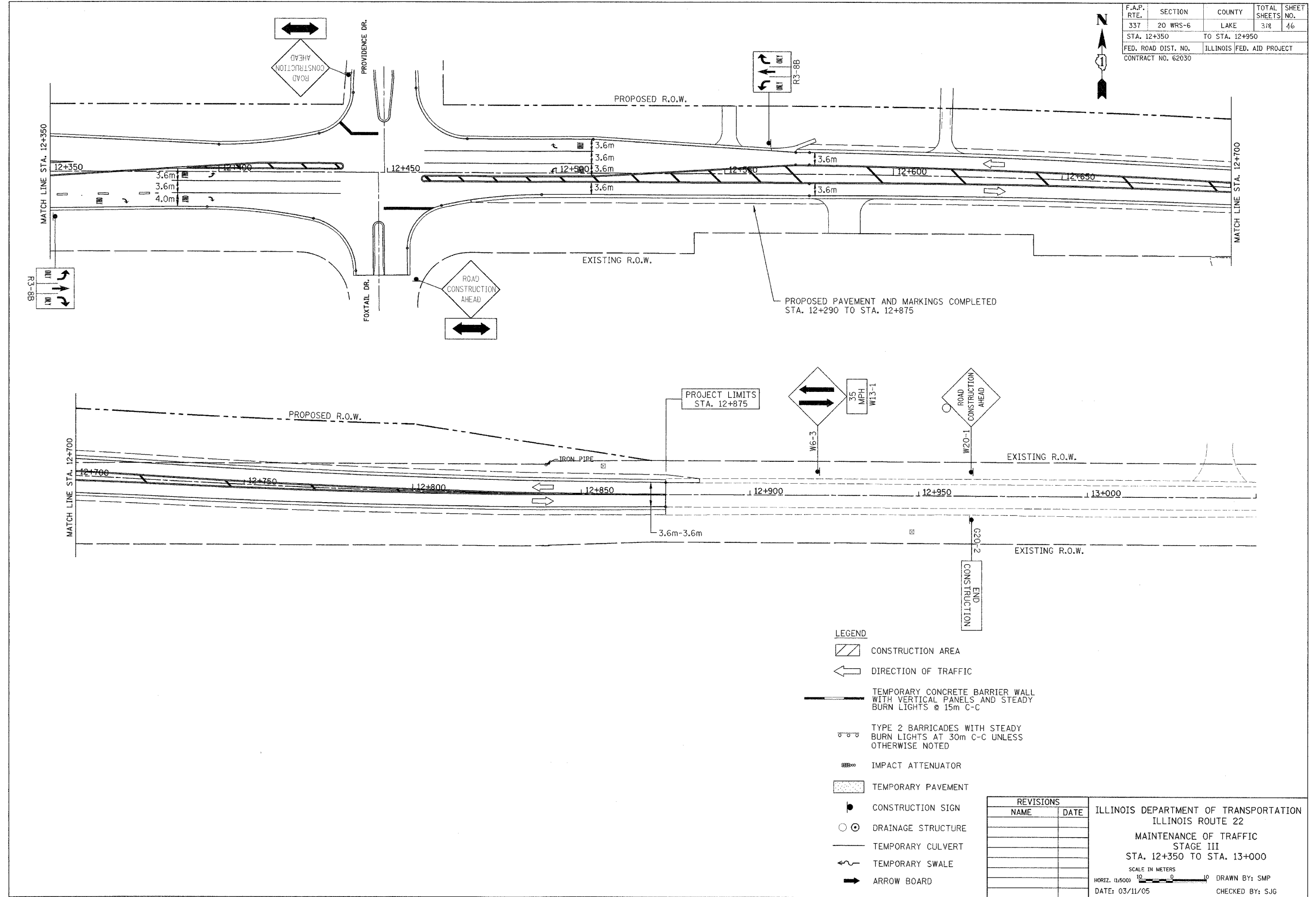
- LEGEND**
- CONSTRUCTION AREA
  - DIRECTION OF TRAFFIC
  - TEMPORARY CONCRETE BARRIER WALL WITH VERTICAL PANELS AND STEADY BURN LIGHTS @ 15m C-C
  - TYPE 2 BARRICADES WITH STEADY BURN LIGHTS AT 30m C-C UNLESS OTHERWISE NOTED
  - IMPACT ATTENUATOR
  - TEMPORARY PAVEMENT
  - CONSTRUCTION SIGN
  - DRAINAGE STRUCTURE
  - TEMPORARY CULVERT
  - TEMPORARY SWALE
  - ARROW BOARD

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
ILLINOIS ROUTE 22  
MAINTENANCE OF TRAFFIC  
STAGE III  
STA. 11+700 TO STA. 12+350

SCALE IN METERS  
HORIZ. (1:500) DRAWN BY: SMP  
DATE: 03/11/05 CHECKED BY: SJG

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	20 WRS-6	LAKE	3/8	46
STA. 12+350		TO STA. 12+950		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 62030				

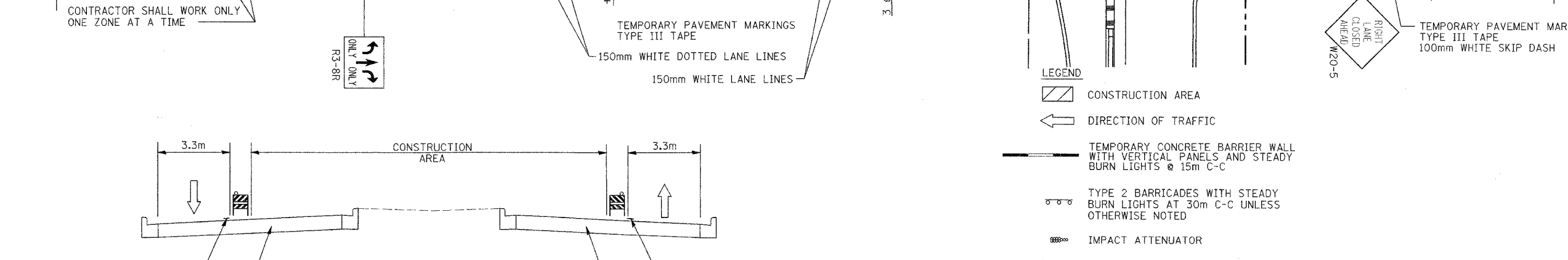
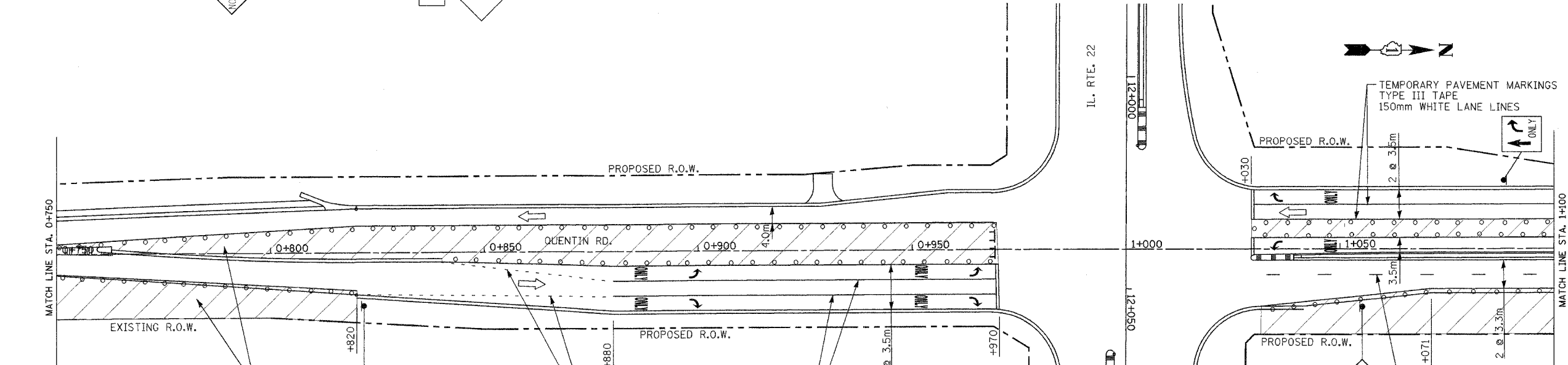
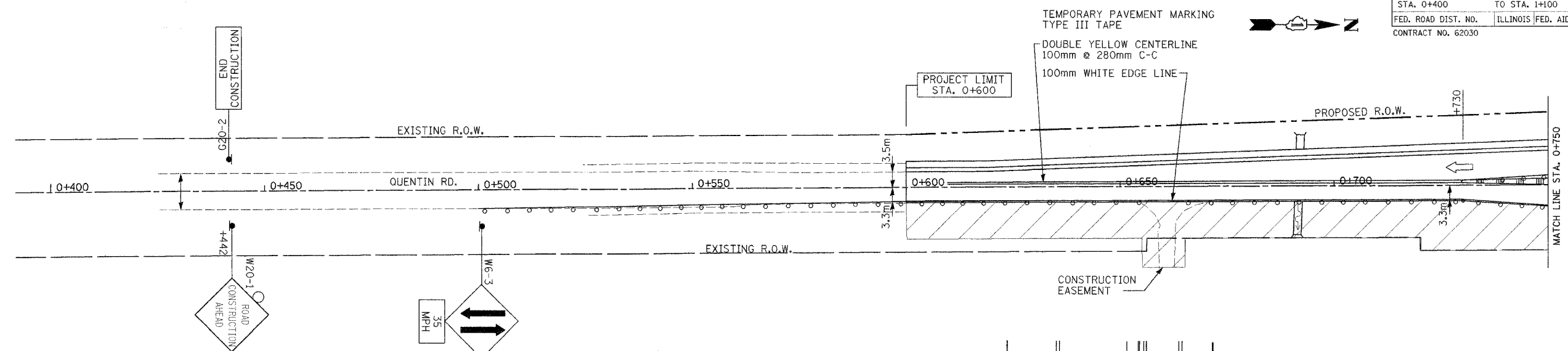


- LEGEND**
- CONSTRUCTION AREA
  - DIRECTION OF TRAFFIC
  - TEMPORARY CONCRETE BARRIER WALL WITH VERTICAL PANELS AND STEADY BURN LIGHTS @ 15m C-C
  - TYPE 2 BARRICADES WITH STEADY BURN LIGHTS AT 30m C-C UNLESS OTHERWISE NOTED
  - IMPACT ATTENUATOR
  - TEMPORARY PAVEMENT
  - CONSTRUCTION SIGN
  - DRAINAGE STRUCTURE
  - TEMPORARY CULVERT
  - TEMPORARY SWALE
  - ARROW BOARD

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
ILLINOIS ROUTE 22  
MAINTENANCE OF TRAFFIC  
STAGE III  
STA. 12+350 TO STA. 13+000  
SCALE IN METERS  
HORIZ. (1:500) DRAWN BY: SMP  
DATE: 03/11/05 CHECKED BY: SJG

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	20 WRS-6	LAKE	318	47
STA. 0+400		TO STA. 1+100		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 62030				



CONTRACTOR SHALL WORK ONLY ONE ZONE AT A TIME

QUENTIN ROAD STAGE III  
STA. 0+600 TO STA. 1+360

ILLINOIS DEPARTMENT OF TRANSPORTATION  
ILLINOIS ROUTE 22  
MAINTENANCE OF TRAFFIC  
STAGE III  
STA. 0+400 TO STA. 1+100

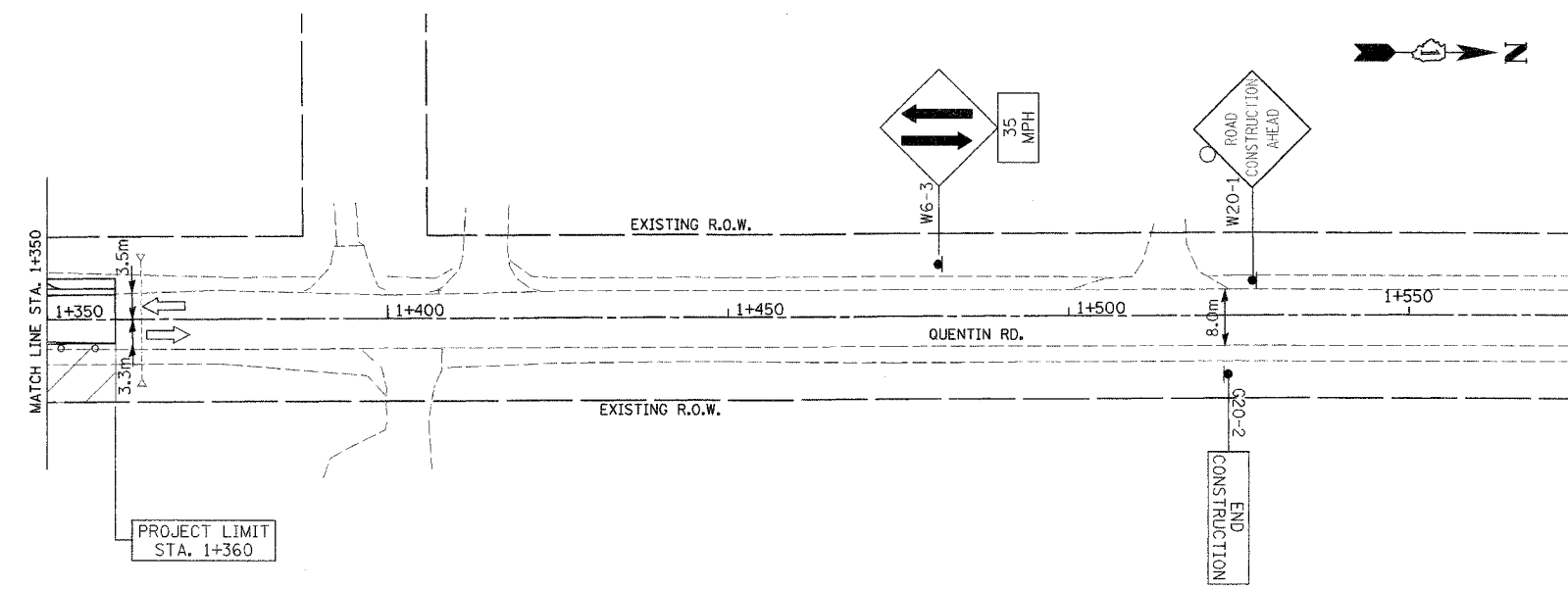
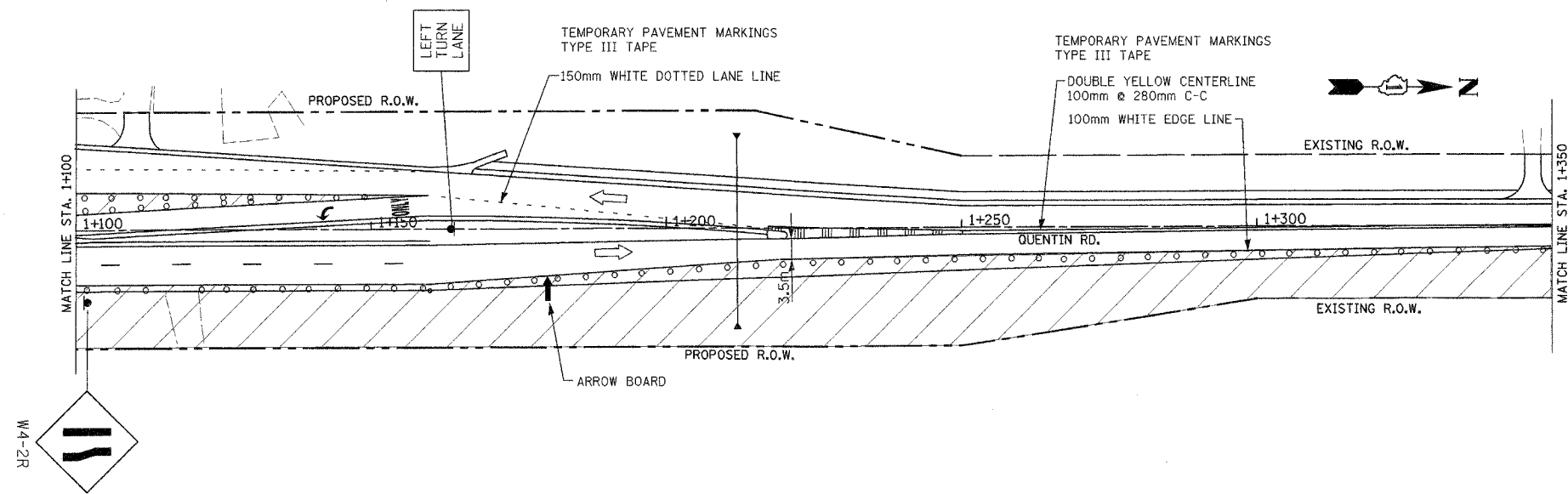
SCALE IN METERS  
HORIZ. (1:500) 0 10 20

DATE: 03/11/05

DRAWN BY: SMP  
CHECKED BY: SJG

REVISIONS	
NAME	DATE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	20 WRS-6	LAKE	318	48
STA. 1+100		TO STA. 1+450		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 62030				



- LEGEND**
- CONSTRUCTION AREA
  - DIRECTION OF TRAFFIC
  - TEMPORARY CONCRETE BARRIER WALL WITH VERTICAL PANELS AND STEADY BURN LIGHTS @ 15m C-C
  - TYPE 2 BARRICADES WITH STEADY BURN LIGHTS AT 30m C-C UNLESS OTHERWISE NOTED
  - IMPACT ATTENUATOR
  - TEMPORARY PAVEMENT
  - CONSTRUCTION SIGN
  - DRAINAGE STRUCTURE
  - TEMPORARY CULVERT
  - TEMPORARY SWALE
  - ARROW BOARD

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
ILLINOIS ROUTE 22  
MAINTENANCE OF TRAFFIC  
STAGE III  
STA. 1+100 TO STA. 1+550

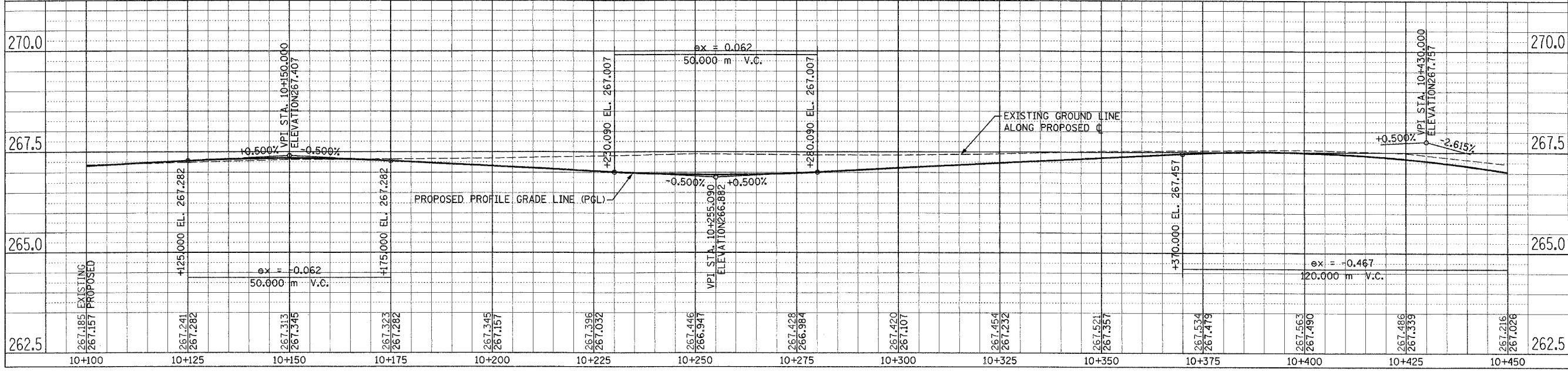
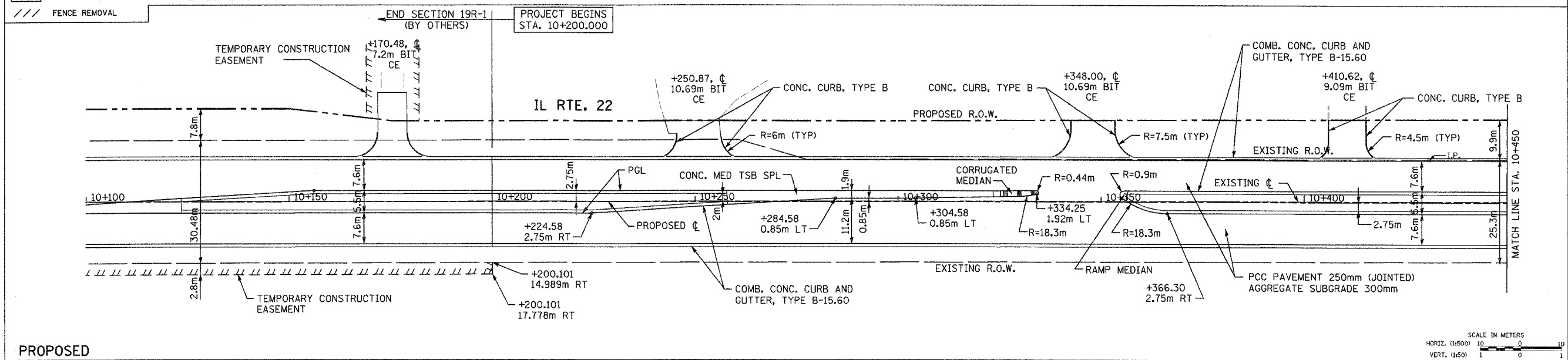
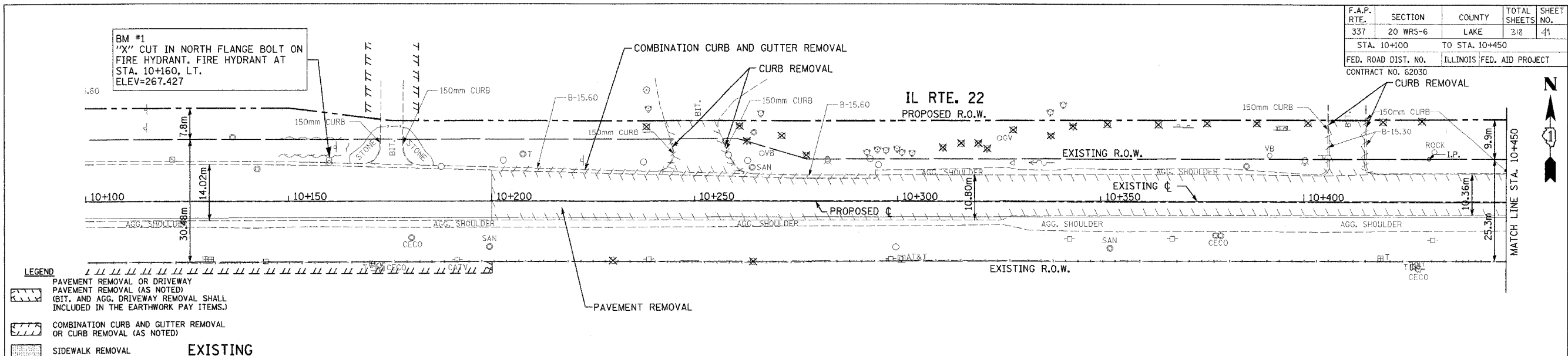
SCALE IN METERS  
HORIZ. (1:500) DRAWN BY: SMP  
DATE: 03/11/05 CHECKED BY: SJG



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	20 WRS-6	LAKE	318	41
STA. 10+100		TO STA. 10+450		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 62030				

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

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

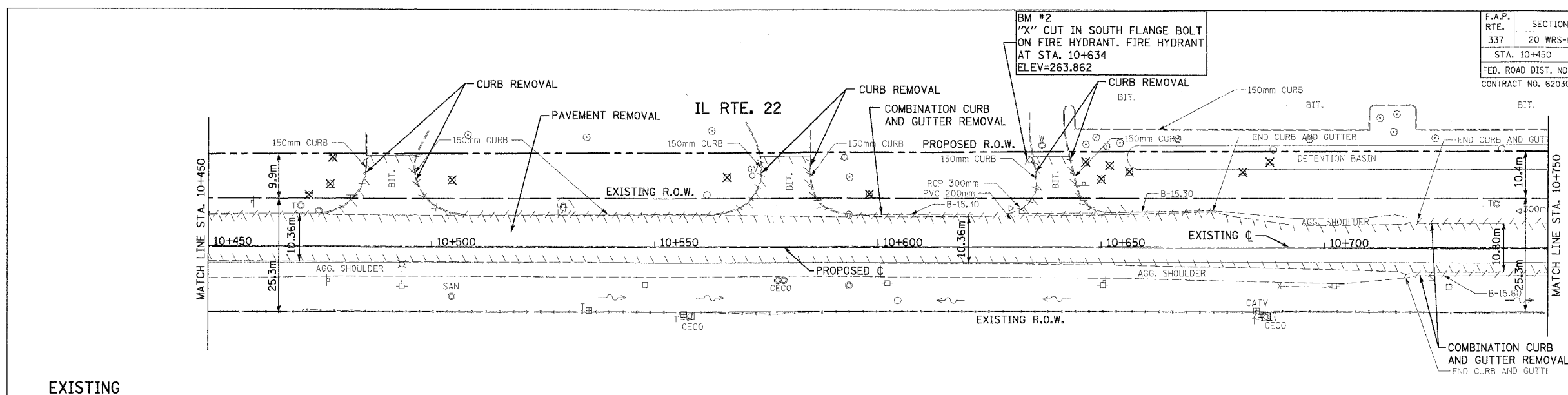


PLAN AND PROFILE IL RTE. 22 STA. 10+000 TO STA. 10+450

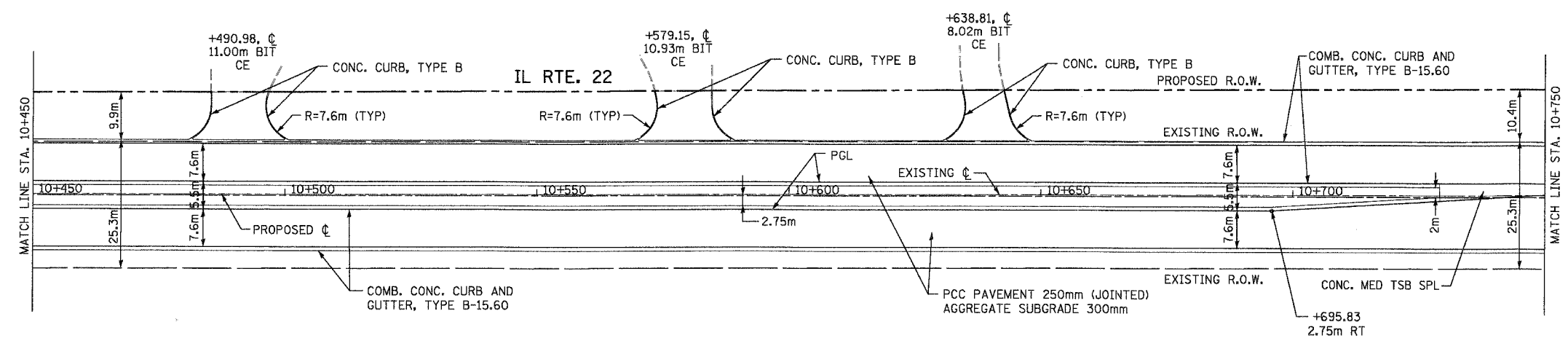
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	20 WRS-6	LAKE	348	50
STA. 10+450		TO STA. 10+750		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 62030				

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

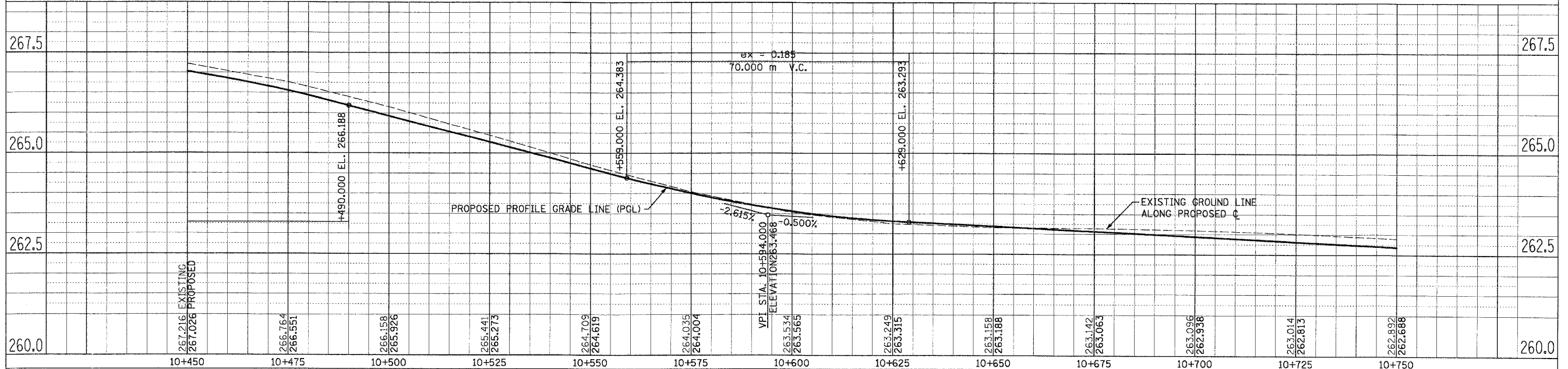
ORIGINAL SURVEY PLOTTED	BY	DATE
NOTE BOOK TEMPLATE		
AREAS CHECKED		
NO.		



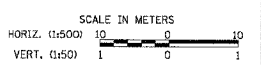
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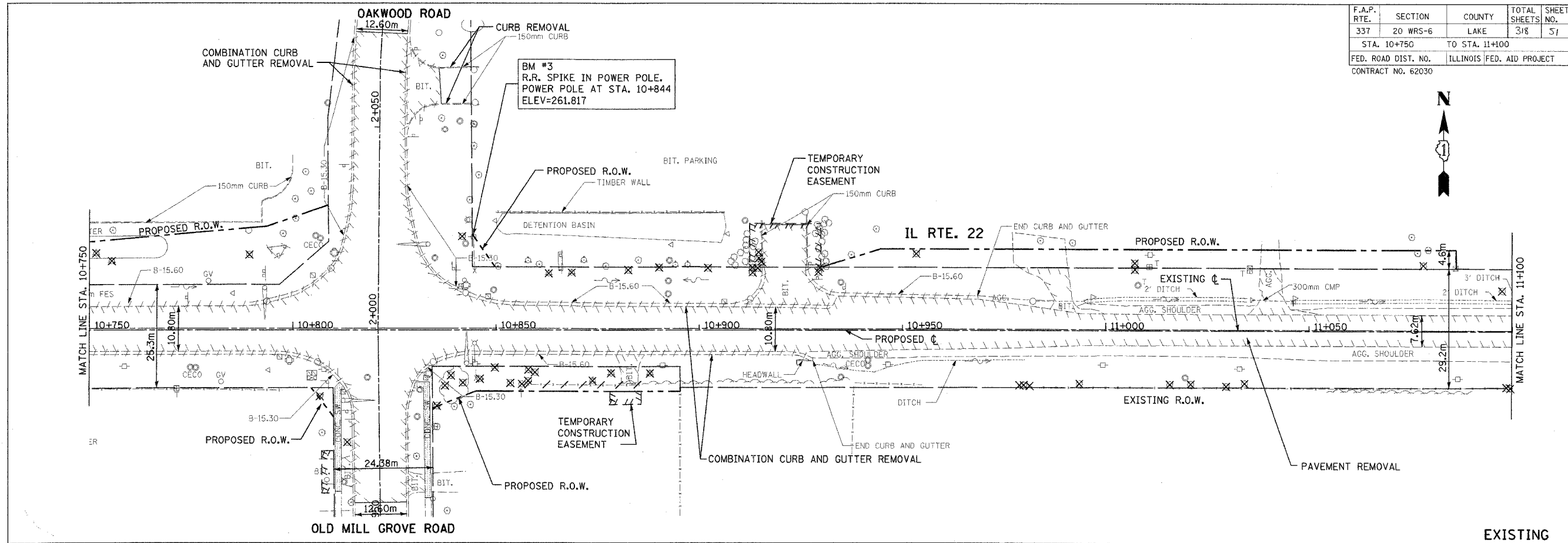
PROPOSED



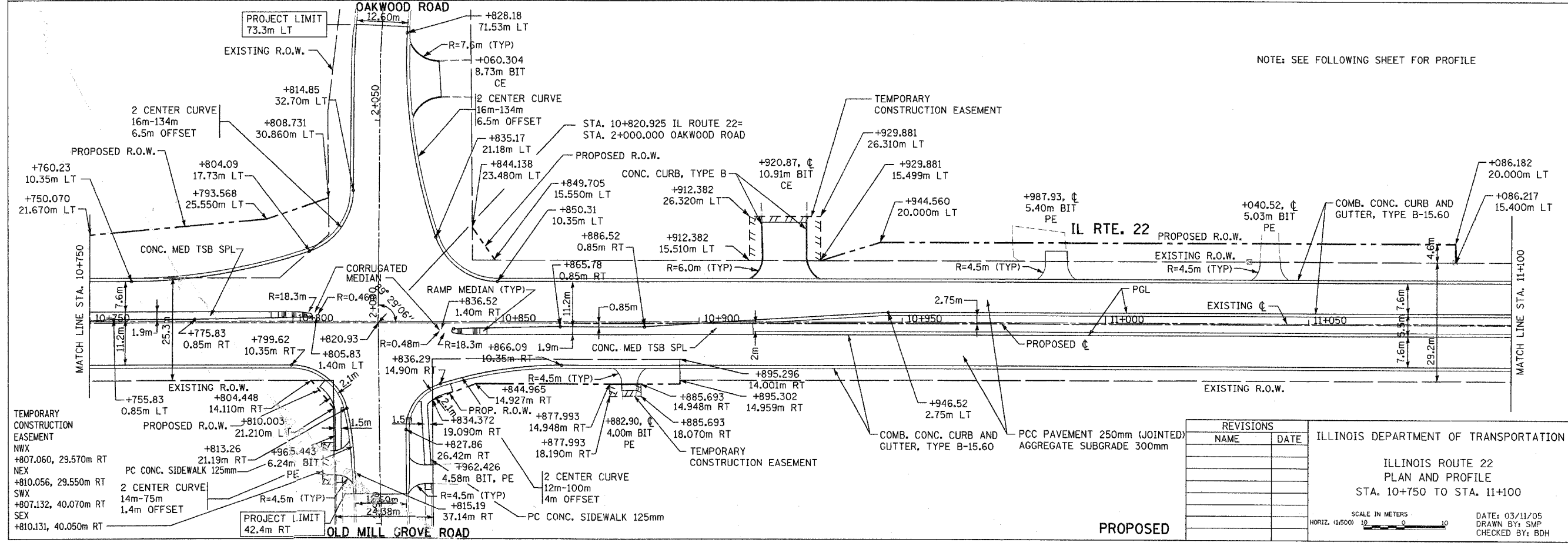
PLAN AND PROFILE IL RTE. 22 STA. 10+450 TO STA. 10+750



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	20 WRS-6	LAKE	318	51
STA. 10+750		TO STA. 11+100		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 62030				



EXISTING



NOTE: SEE FOLLOWING SHEET FOR PROFILE

PROPOSED

REVISIONS	
NAME	DATE

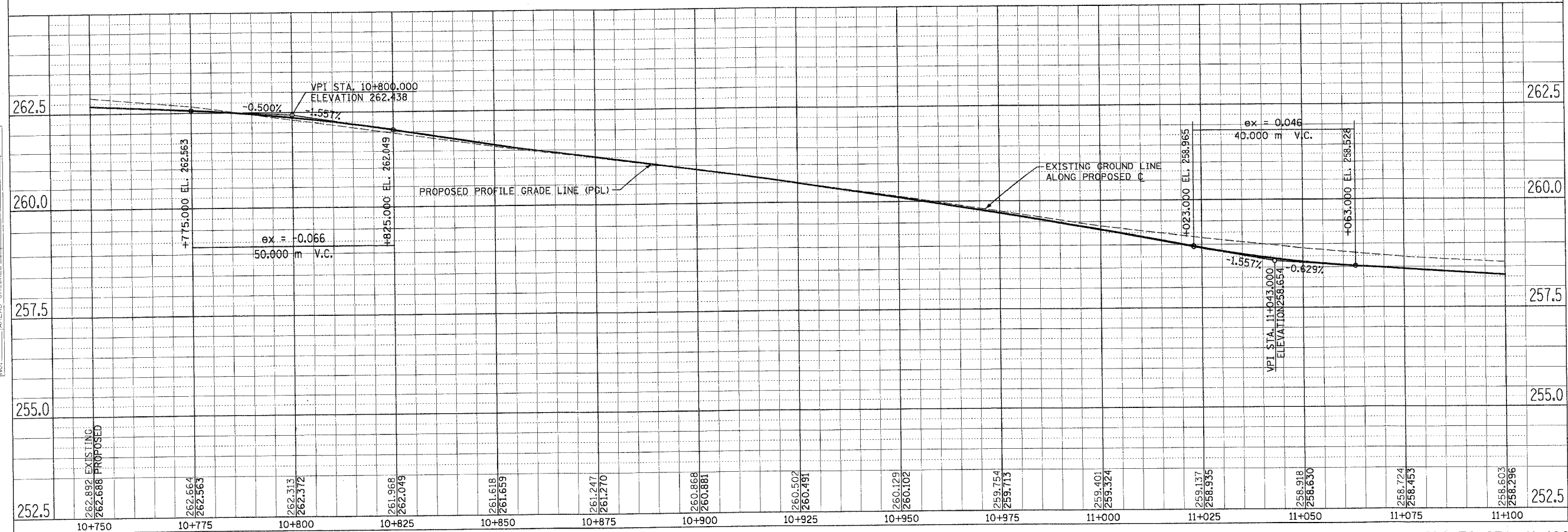
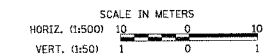
ILLINOIS DEPARTMENT OF TRANSPORTATION  
 ILLINOIS ROUTE 22  
 PLAN AND PROFILE  
 STA. 10+750 TO STA. 11+100  
 SCALE IN METERS  
 HORIZ. 1:5000 10 0 10  
 DATE: 03/11/05  
 DRAWN BY: SMP  
 CHECKED BY: BDH

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	20 WRS-6	LAKE	318	52
STA. 10+750		TO STA. 11+100		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 62030				

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

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

NOTE: SEE PREVIOUS SHEET FOR PLAN



PLAN AND PROFILE IL. RTE. 22 STA. 10+750 TO STA. 11+100



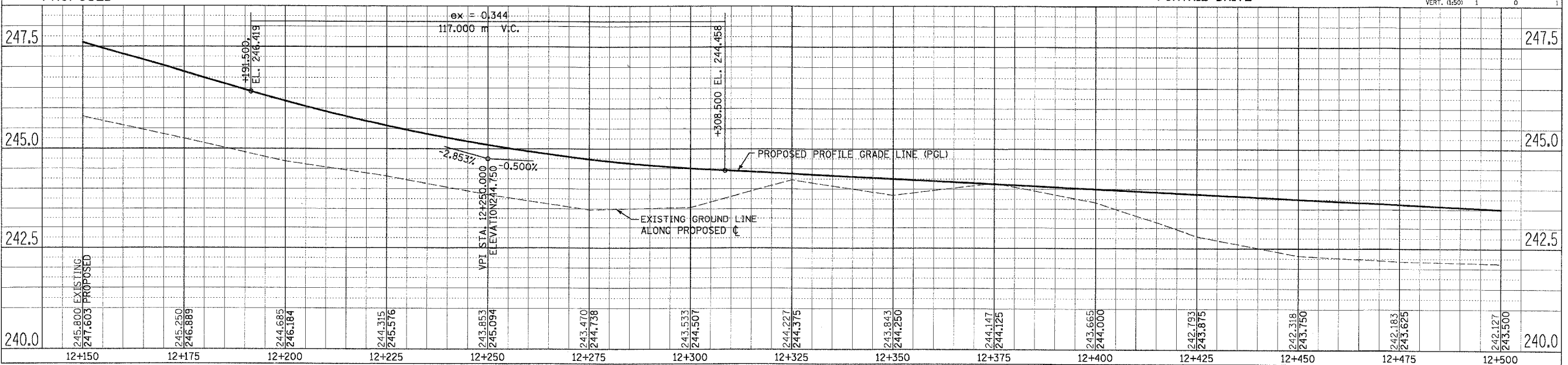
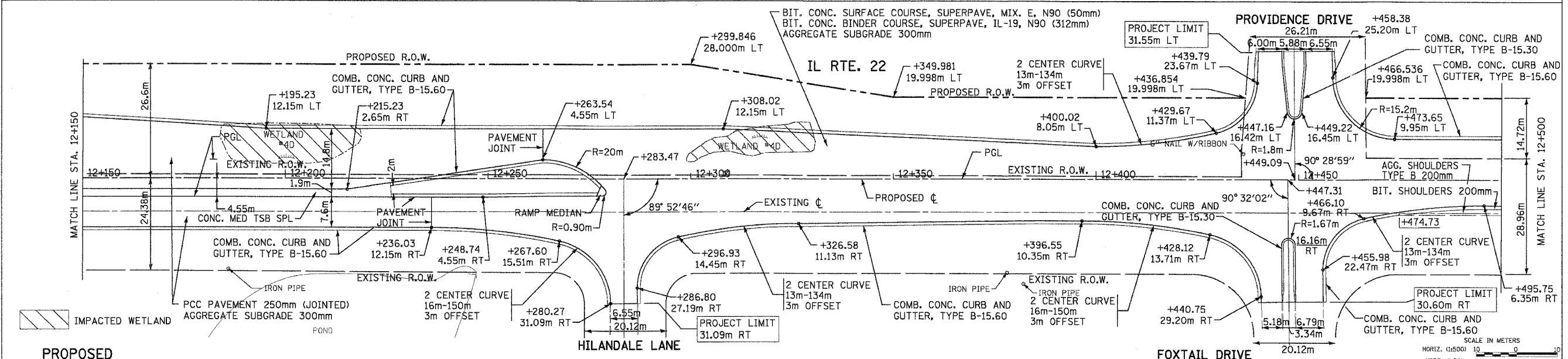
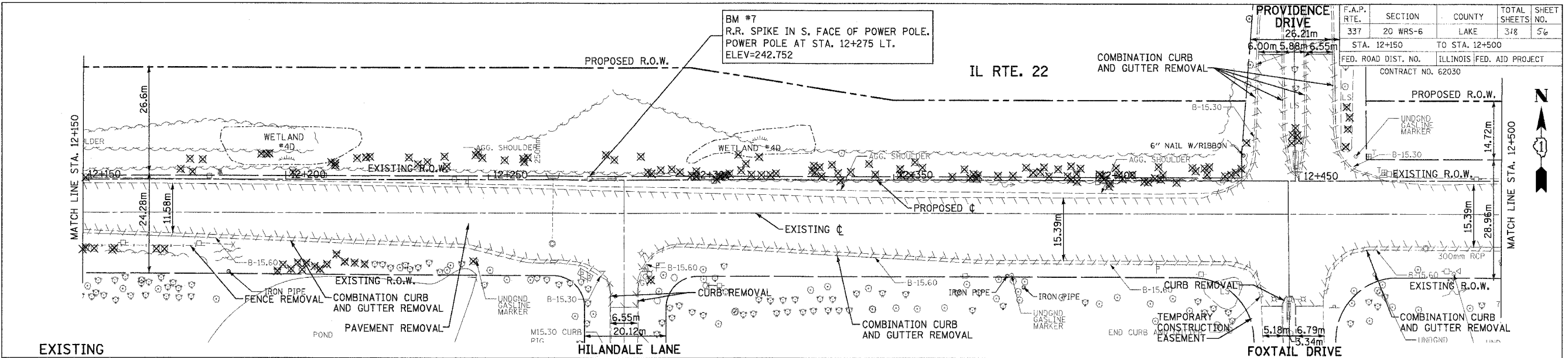




F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	20 WRS-6	LAKE	318	56
STA. 12+150	TO STA. 12+500			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
CONTRACT NO. 62030				

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

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

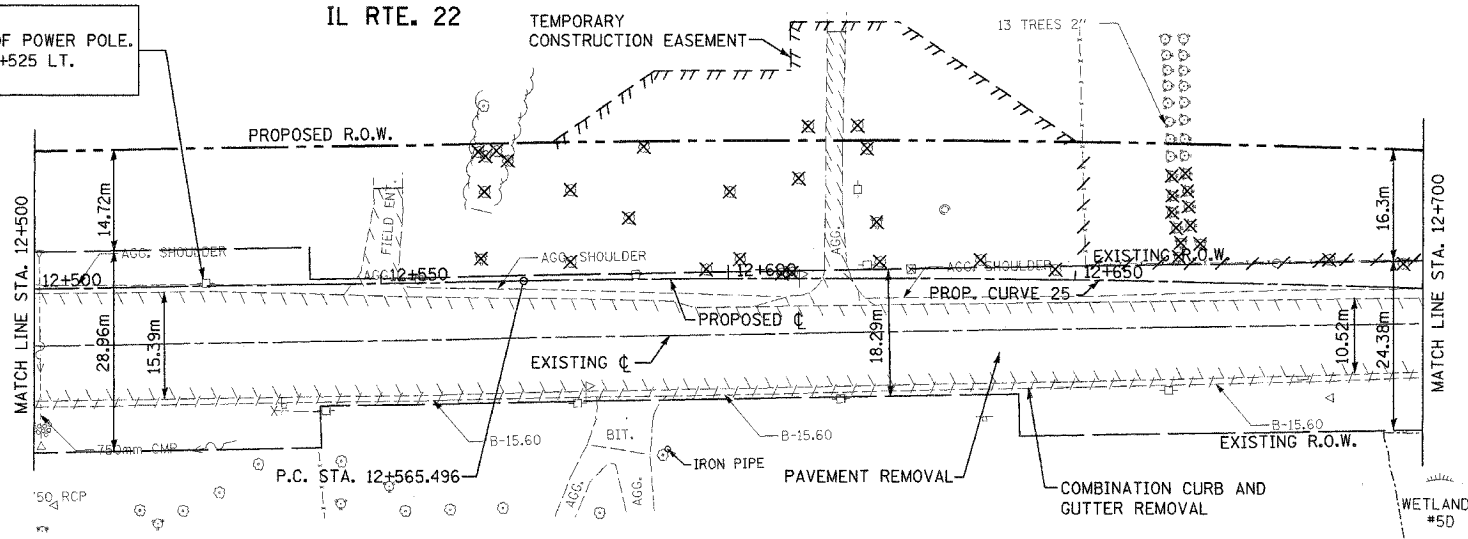


PLAN AND PROFILE IL RTE. 22 STA. 12+150 TO STA. 12+500

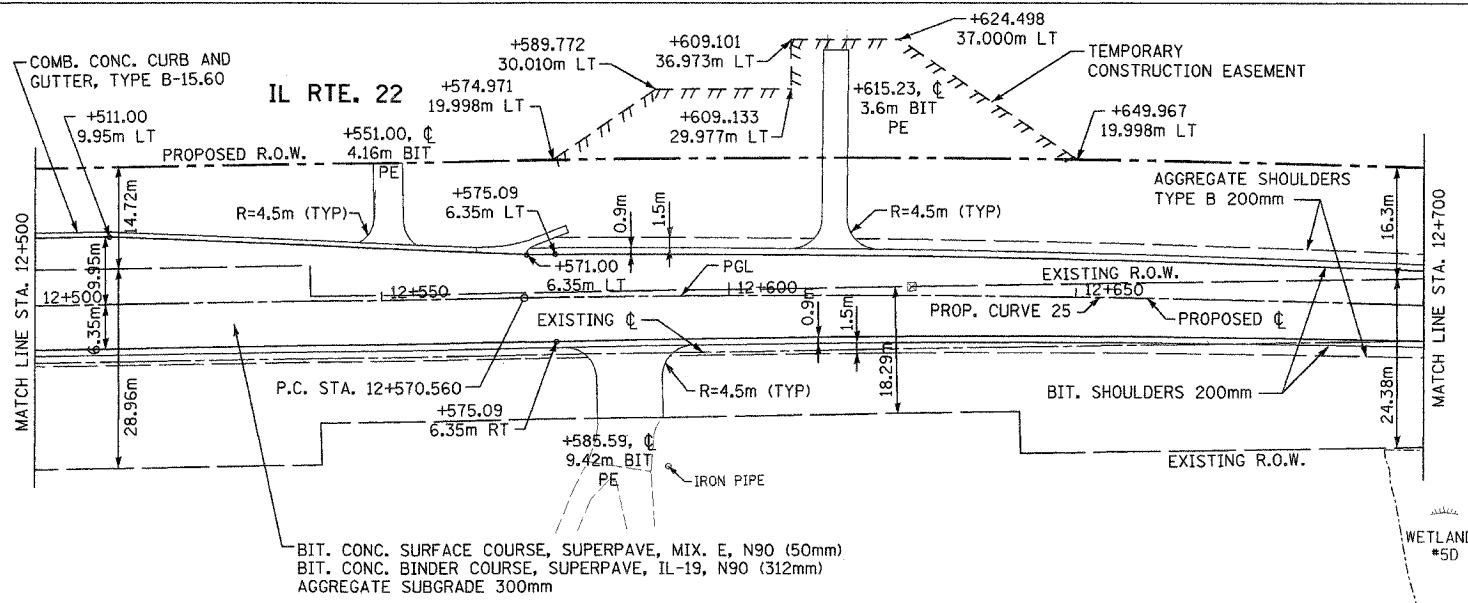


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	20 WRS-6	LAKE	318	57
STA. 12+500		TO STA. 12+700		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 62030				

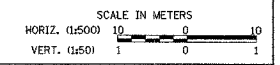
BM #8  
R.R. SPIKE IN S. FACE OF POWER POLE.  
POWER POLE AT STA. 12+525 LT.  
ELEV=242.749



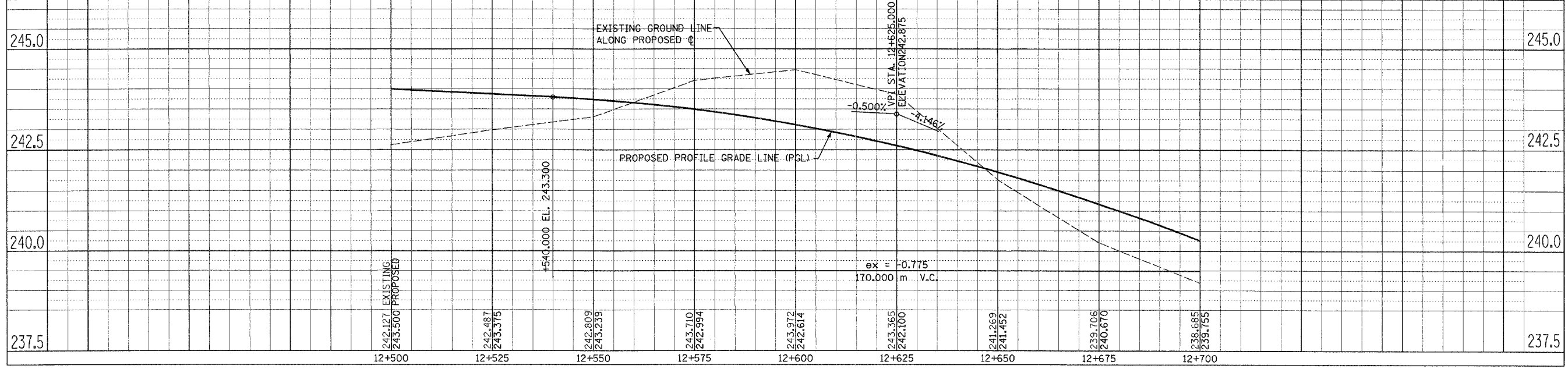
EXISTING



PROP. CURVE 25  
PI STA = 12+644.660  
 $\Delta = 3^\circ 11' 00''$  (RT)  
R = 2,666.682 m  
T = 74.101 m  
L = 148.164 m  
E = 1.029 m  
SE = NORMAL CROWN  
P.C. STA = 12+570.560  
P.T. STA = 12+718.723



PROPOSED



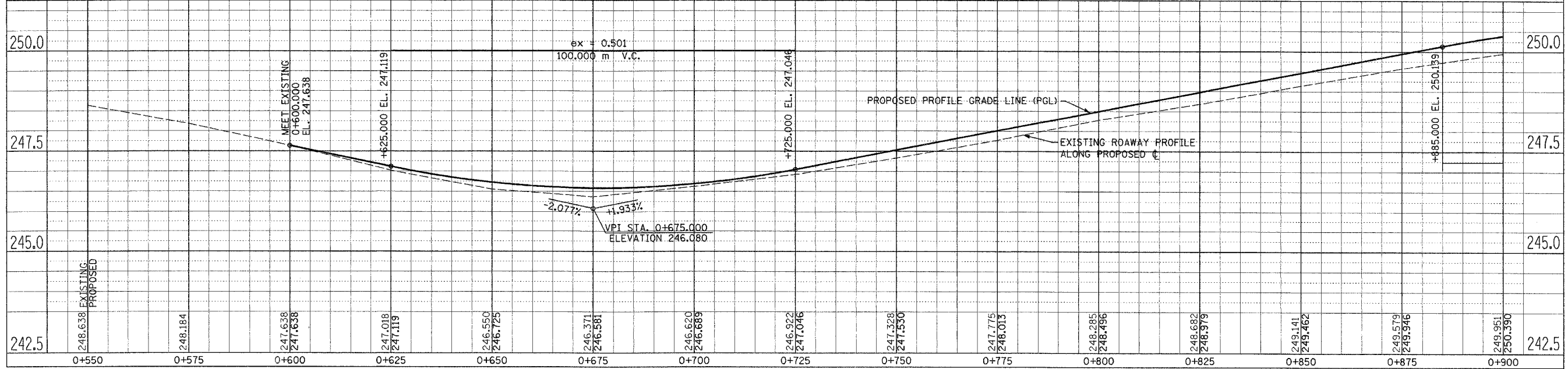
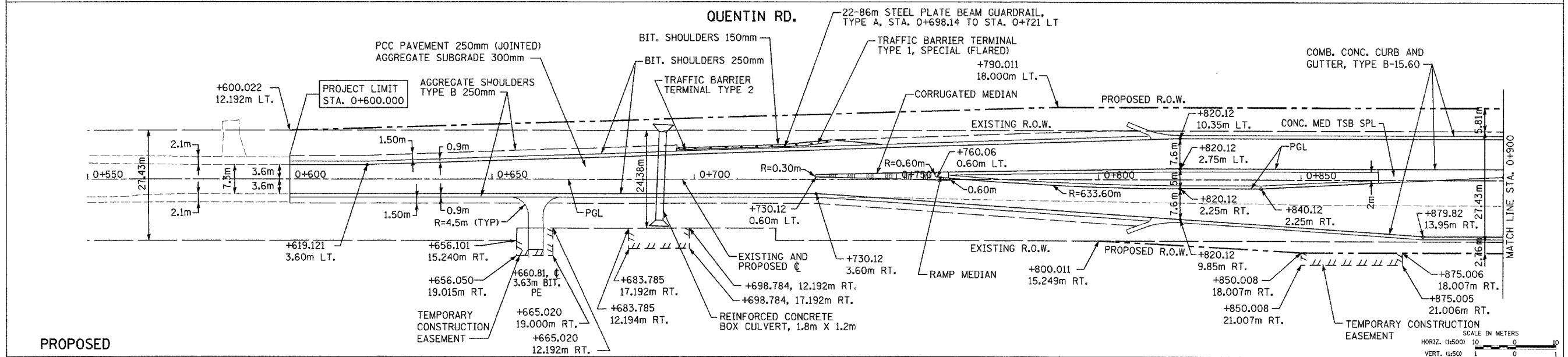
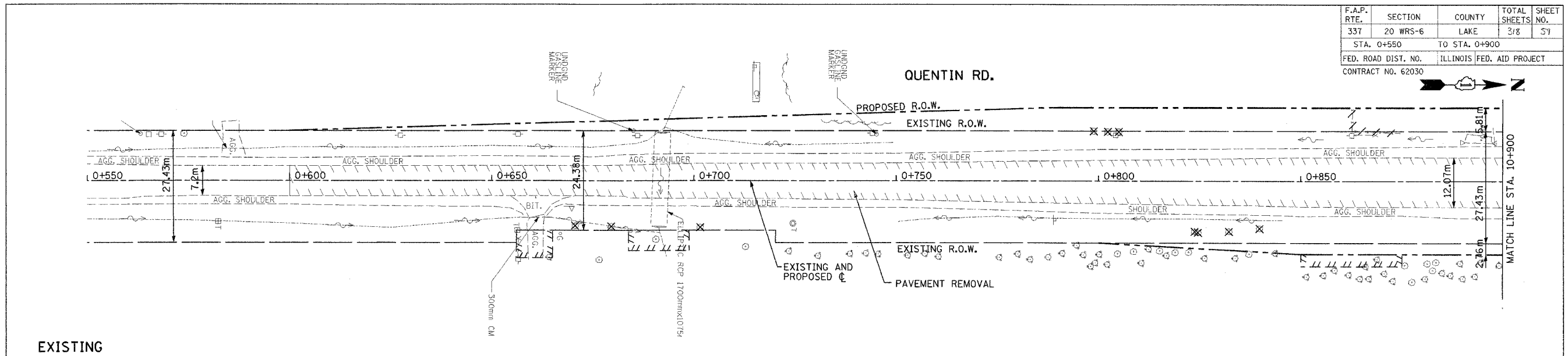
PLAN AND PROFILE IL RTE. 22 STA. 12+500 TO STA. 12+700

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

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



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	20 WRS-6	LAKE	3/8	57
STA. 0+550		TO STA. 0+900		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 62030				

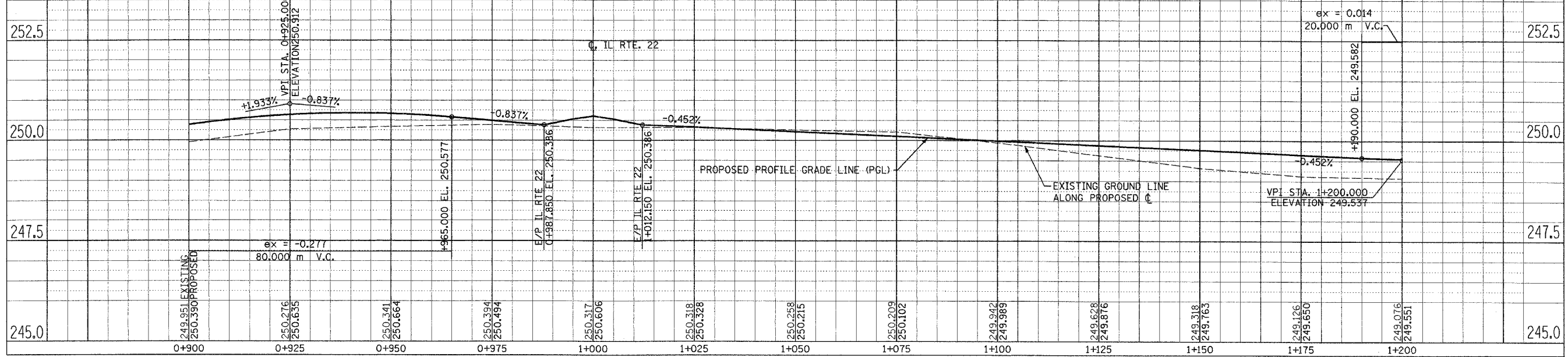
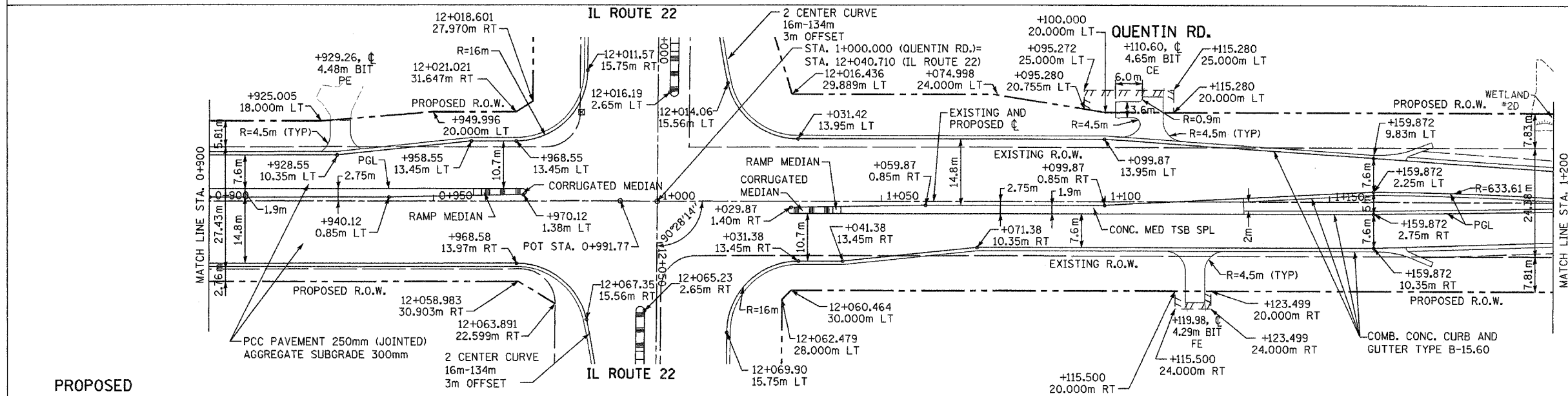
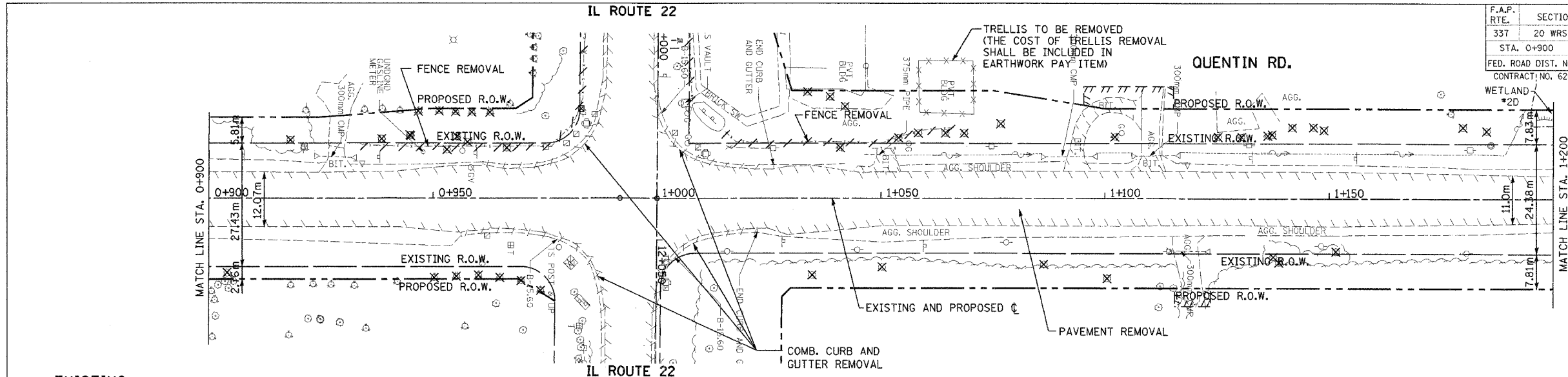


PLAN AND PROFILE QUENTIN ROAD STA. 0+550 TO STA. 0+900

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

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	20 WRS-6	LAKE	318	60
STA. 0+900		TO STA. 1+200		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 62030				



FINAL SURVEY PLOTTED	BY	DATE
NO.		

ORIGINAL SURVEY PLOTTED	BY	DATE
NO.		

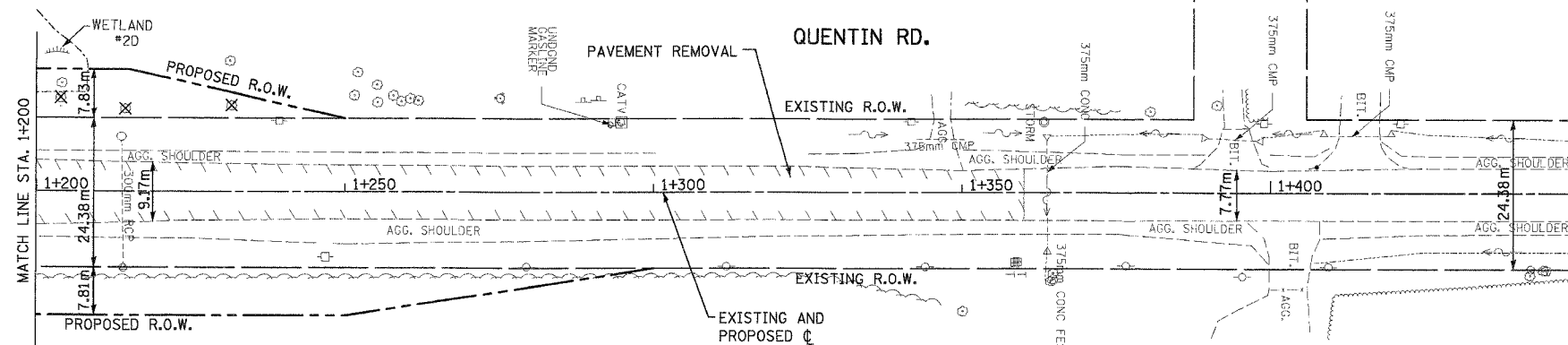
PLAN AND PROFILE QUENTIN ROAD STA. 0+900 TO STA. 1+200

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	20 WRS-6	LAKE	318	61
STA. 1+200		TO STA. 1+450		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 62030				



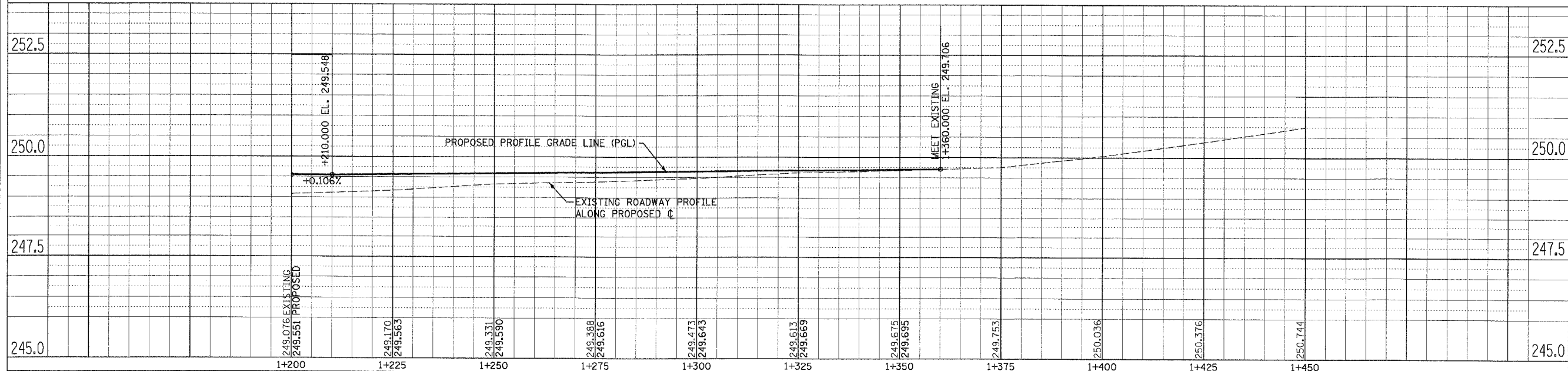
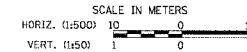
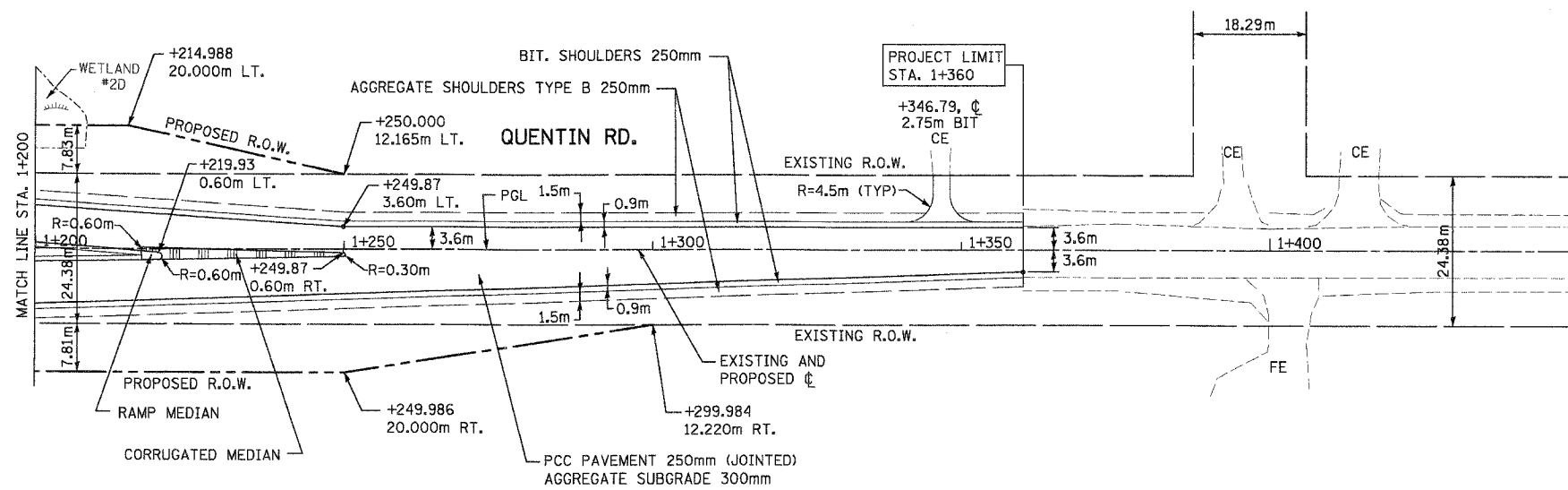
DATE	BY
FINAL SURVEY PLOTTED	
NOTE BOOK TEMPLATE	
AREAS CHECKED	
NO.	

EXISTING



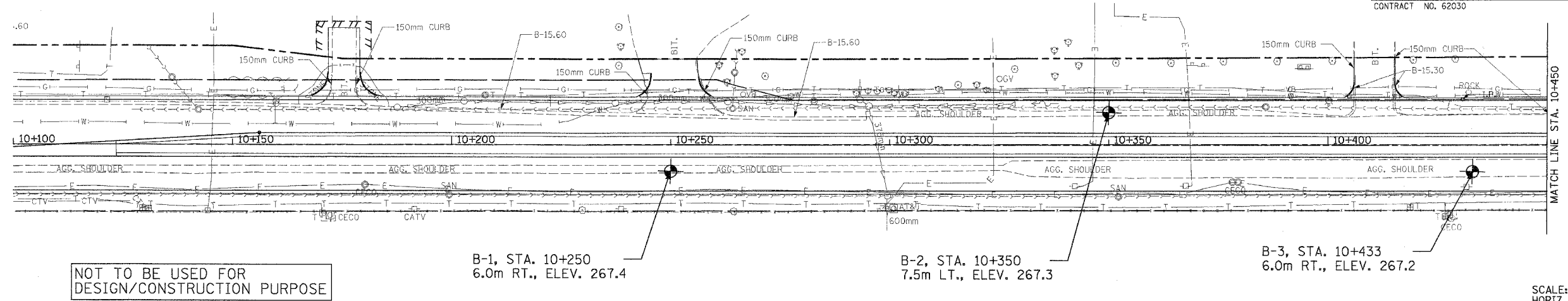
DATE	BY
ORIGINAL SURVEY PLOTTED	
NOTE BOOK TEMPLATE	
AREAS CHECKED	
NO.	

PROPOSED



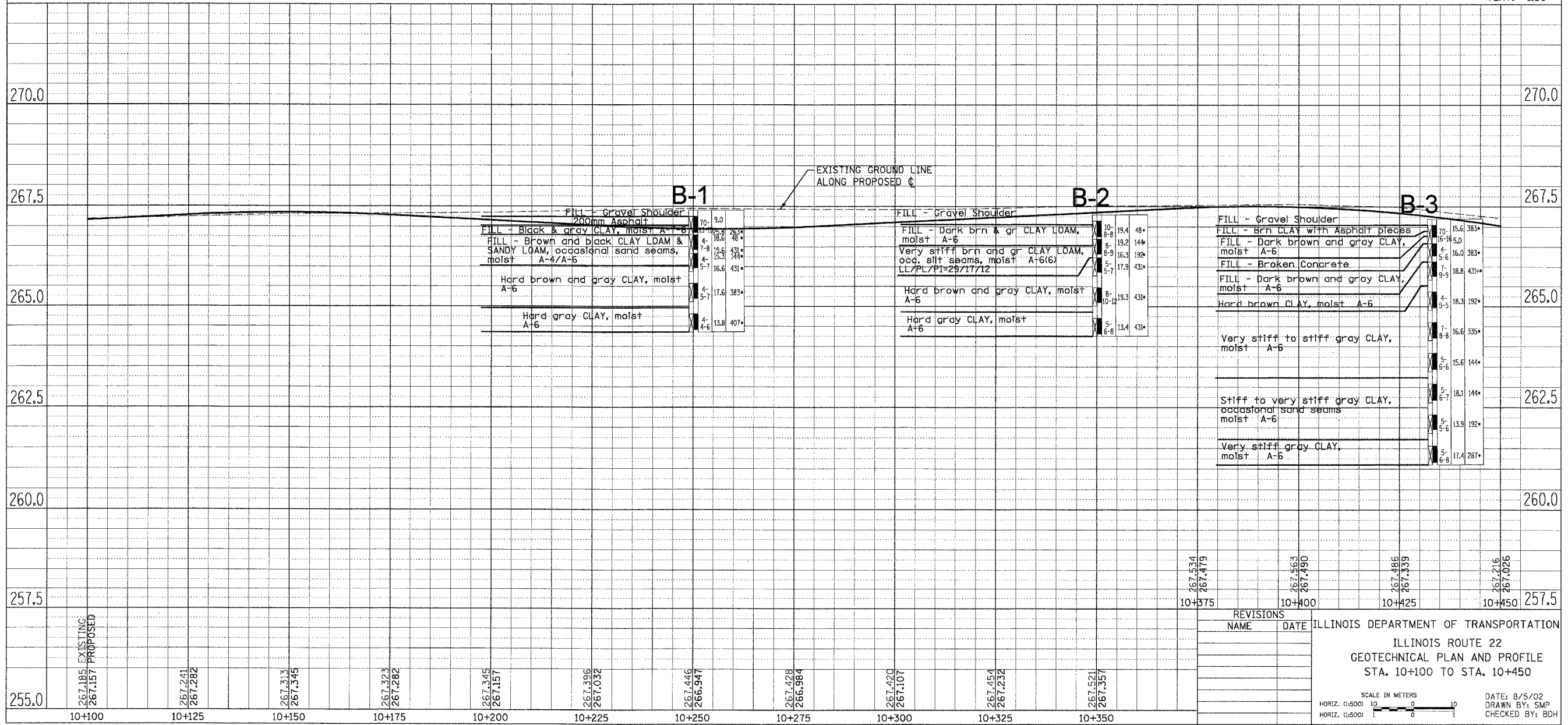
PLAN AND PROFILE QUENTIN ROAD STA. 1+200 TO STA. 1+450

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	20 WRS-6	LAKE	318	62
STA. 10+100		TO STA. 10+450		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 62030				



NOT TO BE USED FOR DESIGN/CONSTRUCTION PURPOSE

SCALE:  
HORIZ. 1:500  
VERT. 1:50



**B-1**

FILL - Gravel Shoulder	10-9.0	267.4
900mm Asphalt	8-9.0	267.4
FILL - Black & gray CLAY, moist A-6	7-8.8	267.4
FILL - Brown and black CLAY LOAM & SANDY LOAM, occasional sand seams, moist A-4/A-6	6-8.8	267.4
	5-7.6	267.4
Hard brown and gray CLAY, moist A-6	4-7.6	267.4
	3-7.6	267.4
Hard gray CLAY, moist A-6	2-7.6	267.4
	1-7.6	267.4

**B-2**

FILL - Gravel Shoulder	10-19.4	267.3
FILL - Dark brn & gr CLAY LOAM, moist A-6	9-19.4	267.3
Very stiff brn and gr CLAY LOAM, occ. silt seams, moist A-6(6)	8-19.4	267.3
LL/PL/PI=29/17/12	7-19.4	267.3
	6-19.4	267.3
Hard brown and gray CLAY, moist A-6	5-19.4	267.3
	4-19.4	267.3
Hard gray CLAY, moist A-6	3-19.4	267.3
	2-19.4	267.3

**B-3**

FILL - Gravel Shoulder	10-15.6	267.2
FILL - Brn CLAY with Asphalt pieces	9-15.6	267.2
FILL - Dark brown and gray CLAY, moist A-6	8-15.6	267.2
FILL - Broken Concrete	7-15.6	267.2
FILL - Dark brown and gray CLAY, moist A-6	6-15.6	267.2
Hard brown CLAY, moist A-6	5-15.6	267.2
	4-15.6	267.2
Very stiff to stiff gray CLAY, moist A-6	3-15.6	267.2
	2-15.6	267.2
Stiff to very stiff gray CLAY, occasional sand seams, moist A-6	1-15.6	267.2

FINAL SURVEY PLOTTED	DATE
NO. AREAS CHECKED	

ORIGINAL SURVEY PLOTTED	DATE
NO. AREAS CHECKED	

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
ILLINOIS ROUTE 22  
GEOTECHNICAL PLAN AND PROFILE  
STA. 10+100 TO STA. 10+450

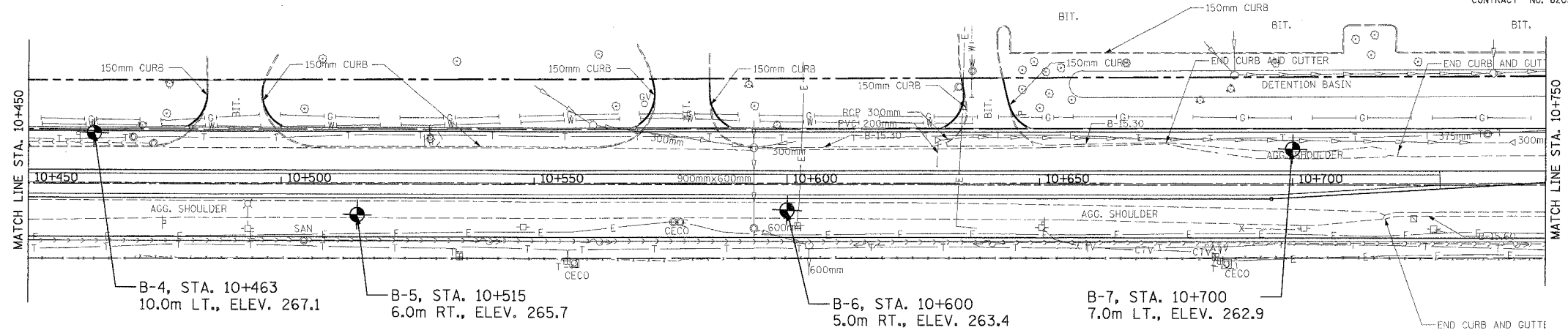
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DATE: 8/5/02  
DRAWN BY: SMP  
CHECKED BY: BDH

267.185 267.157	267.241 267.282	267.313 267.345	267.323 267.282	267.345 267.157	267.396 267.032	267.446 266.947	267.428 266.984	267.420 267.107	267.454 267.232	267.521 267.357	267.534 267.479	267.563 267.490	267.586 267.339	267.616 267.026
10+100	10+125	10+150	10+175	10+200	10+225	10+250	10+275	10+300	10+325	10+350	10+375	10+400	10+425	10+450

NOT TO BE USED FOR DESIGN/CONSTRUCTION PURPOSE

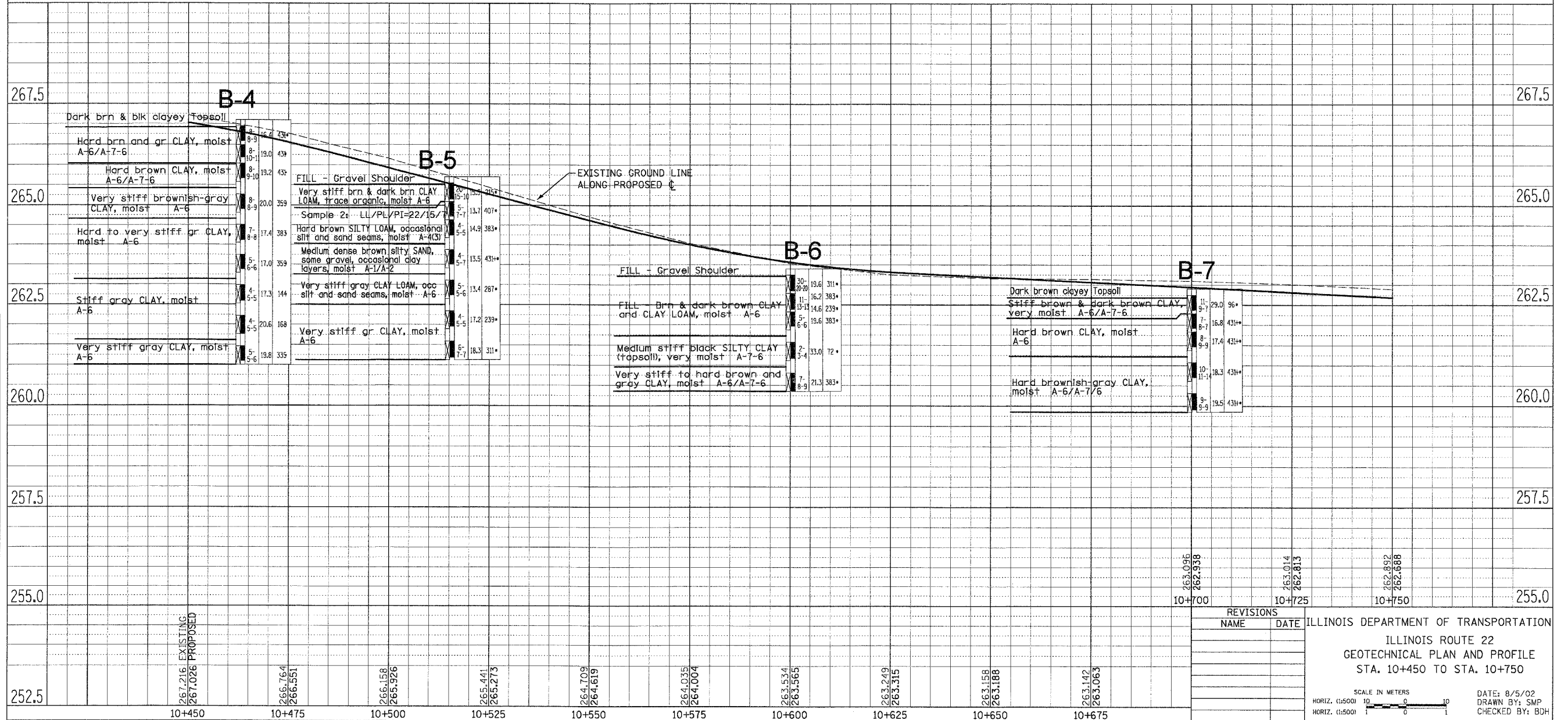
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	20 WRS-6	LAKE	318	63
STA. 10+450		TO STA. 10+750		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 62030				



SCALE:  
HORIZ. 1:500  
VERT. 1:50

DATE	BY
DATE	BY
DATE	BY
DATE	BY

DATE	BY
DATE	BY
DATE	BY
DATE	BY



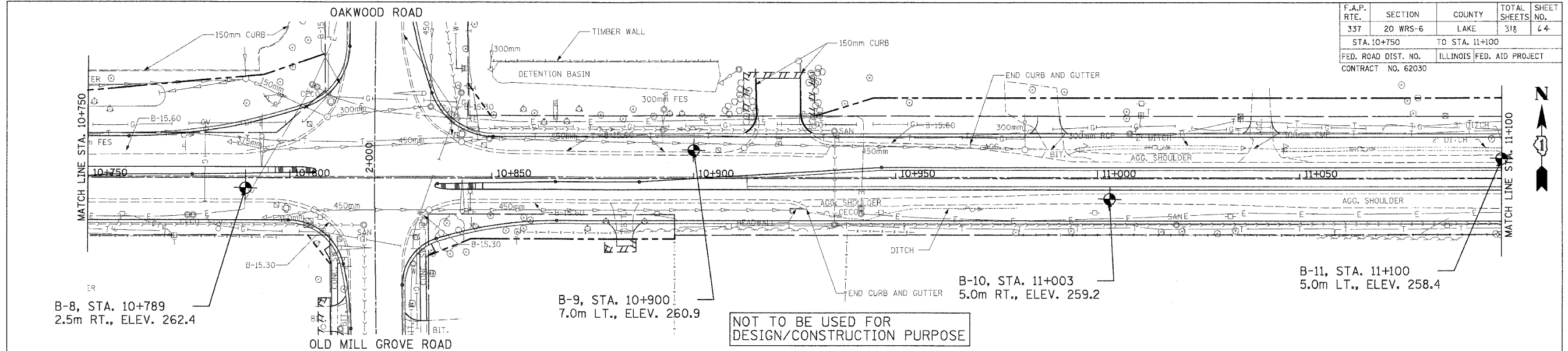
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
ILLINOIS ROUTE 22  
GEOTECHNICAL PLAN AND PROFILE  
STA. 10+450 TO STA. 10+750

SCALE IN METERS  
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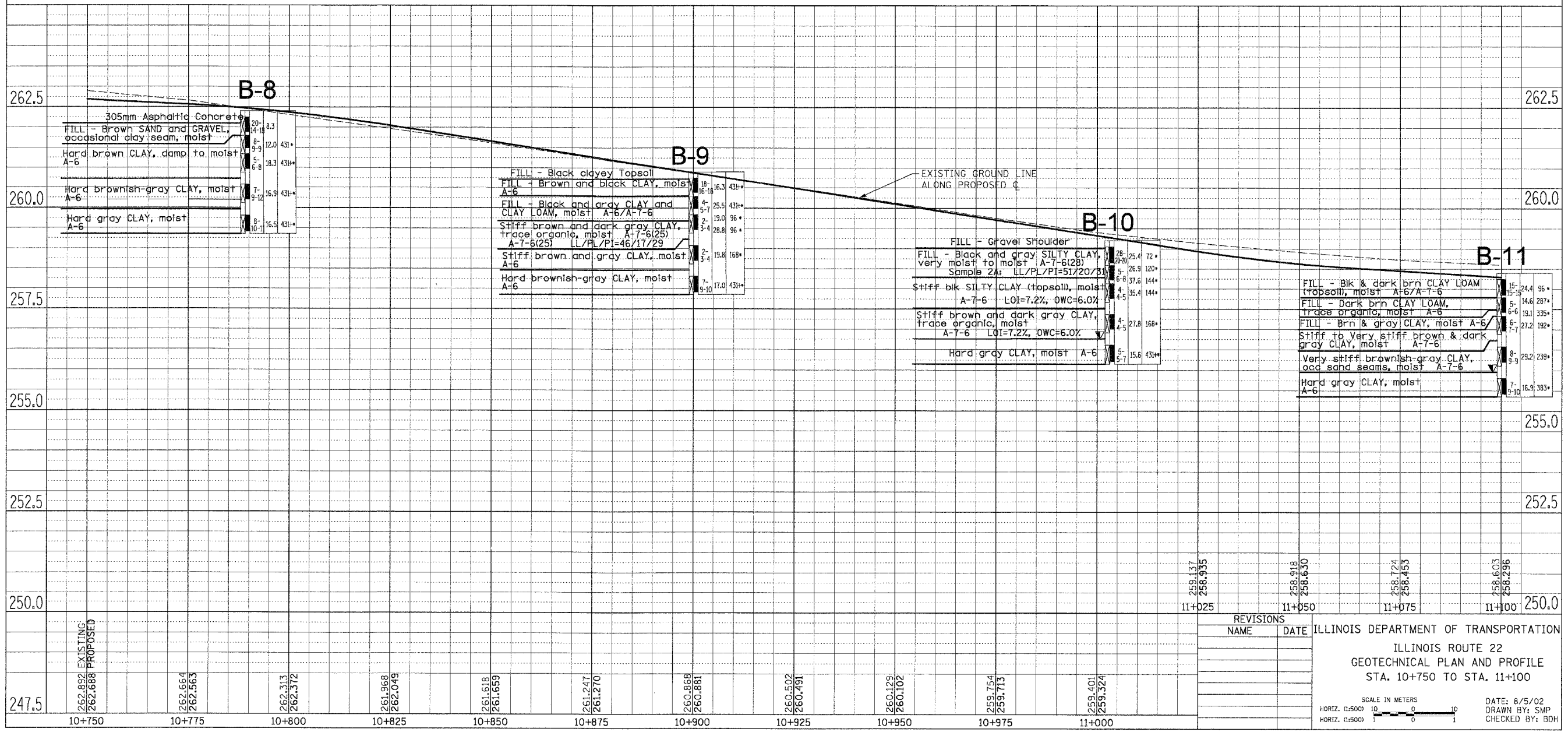
DATE: 8/5/02  
DRAWN BY: SMP  
CHECKED BY: BDH

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	20 WRS-6	LAKE	318	64
STA. 10+750		TO STA. 11+100		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 62030				



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

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



NOT TO BE USED FOR DESIGN/CONSTRUCTION PURPOSE

REVISIONS	NAME	DATE

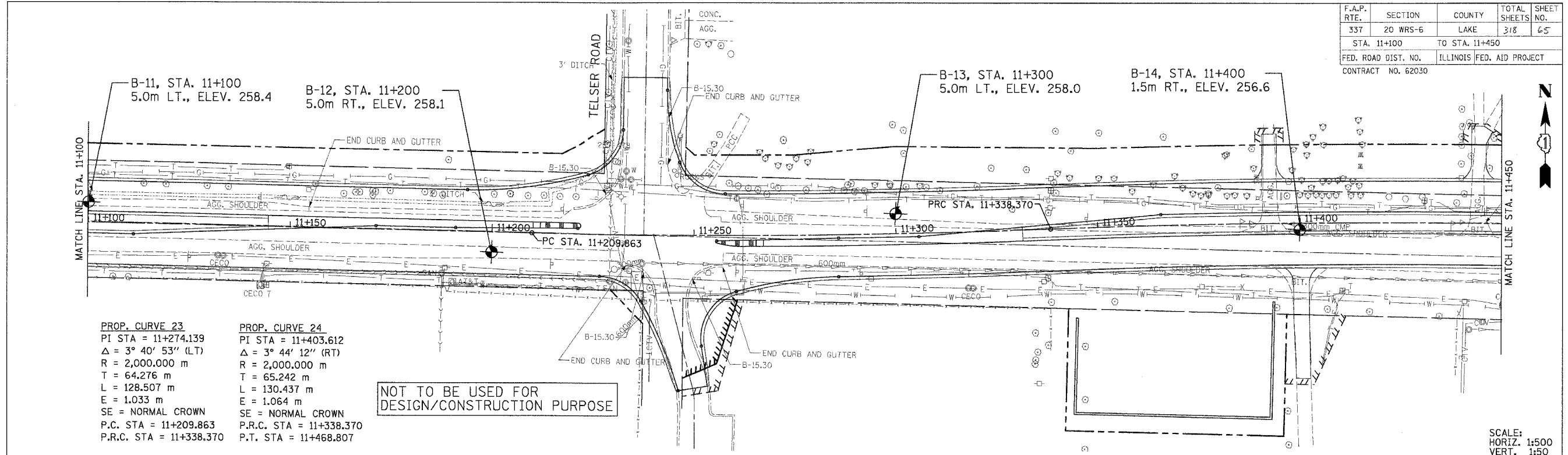
ILLINOIS DEPARTMENT OF TRANSPORTATION  
ILLINOIS ROUTE 22  
GEOTECHNICAL PLAN AND PROFILE  
STA. 10+750 TO STA. 11+100

SCALE IN METERS  
HORIZ. (1:500) 0 10  
HORIZ. (1:500) 0 10

DATE: 8/5/02  
DRAWN BY: SMP  
CHECKED BY: BDH



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	20 WRS-6	LAKE	318	65
STA. 11+100		TO STA. 11+450		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 62030				



**PROP. CURVE 23**  
 PI STA = 11+274.139  
 $\Delta = 3^\circ 40' 53''$  (LT)  
 R = 2,000.000 m  
 T = 64.276 m  
 L = 128.507 m  
 E = 1.033 m  
 SE = NORMAL CROWN  
 P.C. STA = 11+209.863  
 P.R.C. STA = 11+338.370

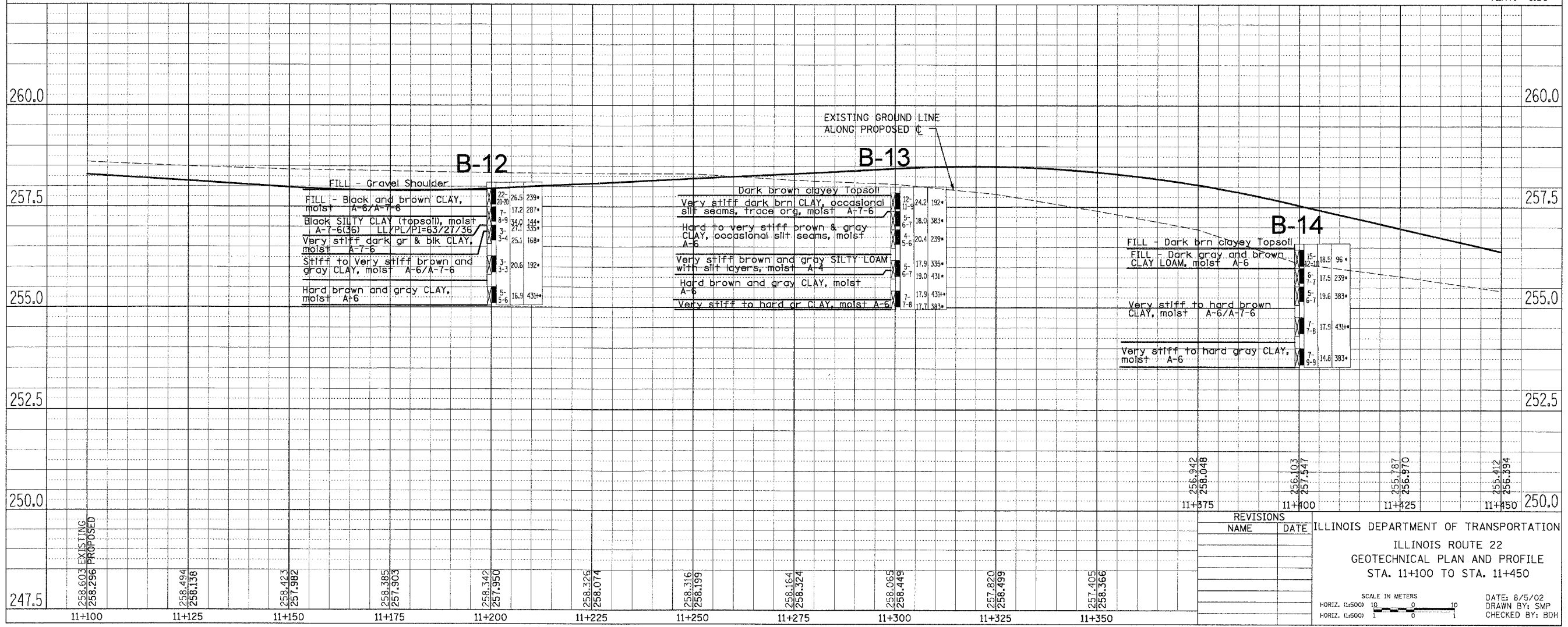
**PROP. CURVE 24**  
 PI STA = 11+403.612  
 $\Delta = 3^\circ 44' 12''$  (RT)  
 R = 2,000.000 m  
 T = 65.242 m  
 L = 130.437 m  
 E = 1.064 m  
 SE = NORMAL CROWN  
 P.R.C. STA = 11+338.370  
 P.T. STA = 11+468.807

NOT TO BE USED FOR DESIGN/CONSTRUCTION PURPOSE

SCALE:  
 HORIZ. 1:500  
 VERT. 1:50

FINAL SURVEY	SURVEYED	DATE
NO.	NO.	
NOTE BOOK TEMPLATE AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	DATE
NO.	NO.	
NOTE BOOK TEMPLATE AREAS CHECKED		



REVISIONS	
NAME	DATE

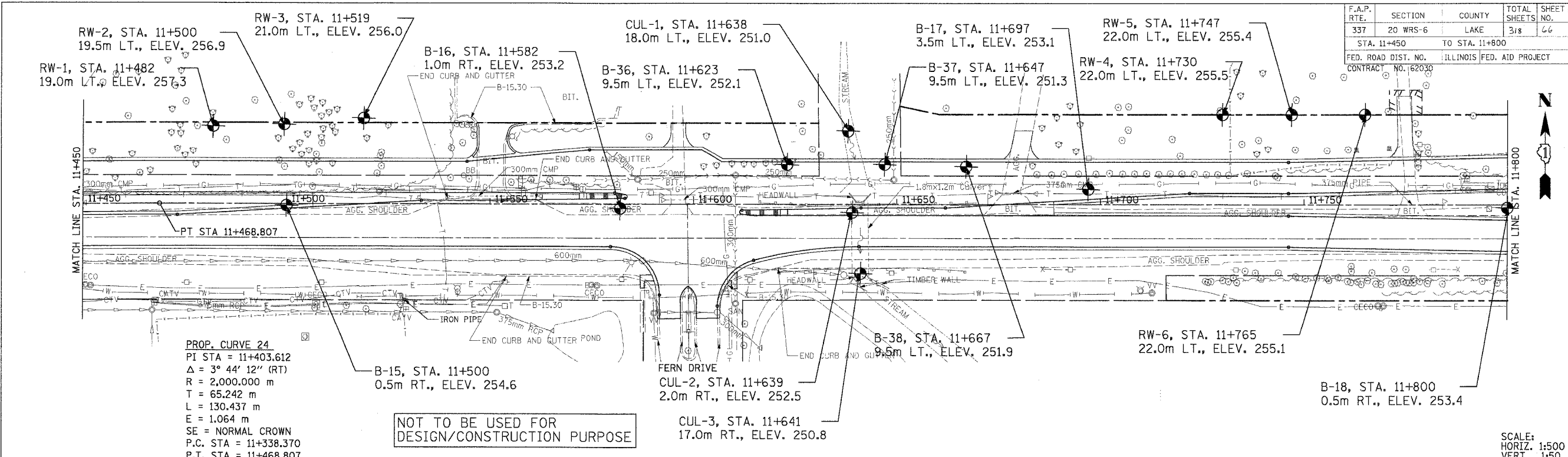
ILLINOIS DEPARTMENT OF TRANSPORTATION

ILLINOIS ROUTE 22  
 GEOTECHNICAL PLAN AND PROFILE  
 STA. 11+100 TO STA. 11+450

SCALE IN METERS  
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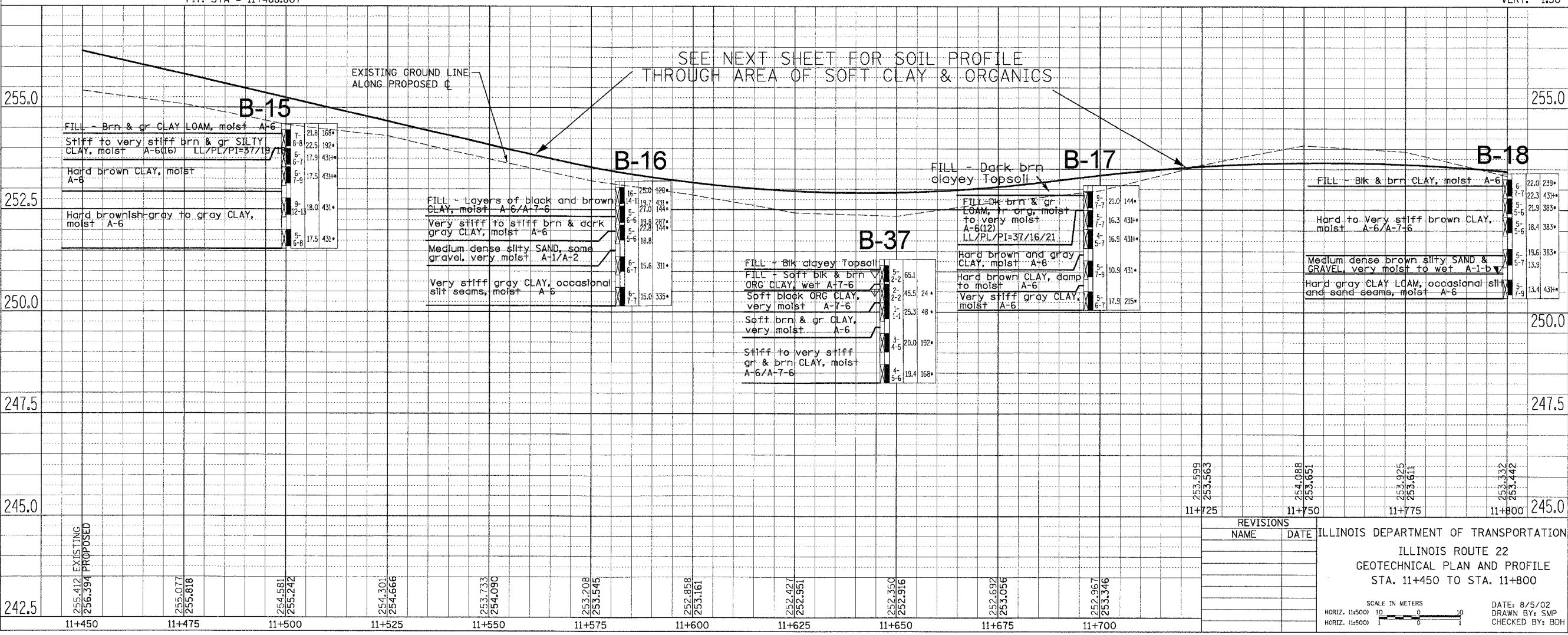
DATE: 8/5/02  
 DRAWN BY: SMP  
 CHECKED BY: BDH

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	20 WRS-6	LAKE	318	66
STA. 11+450		TO STA. 11+800		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 62030				



DATE	BY
DATE	BY
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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
ILLINOIS ROUTE 22  
GEOTECHNICAL PLAN AND PROFILE  
STA. 11+450 TO STA. 11+800

SCALE IN METERS  
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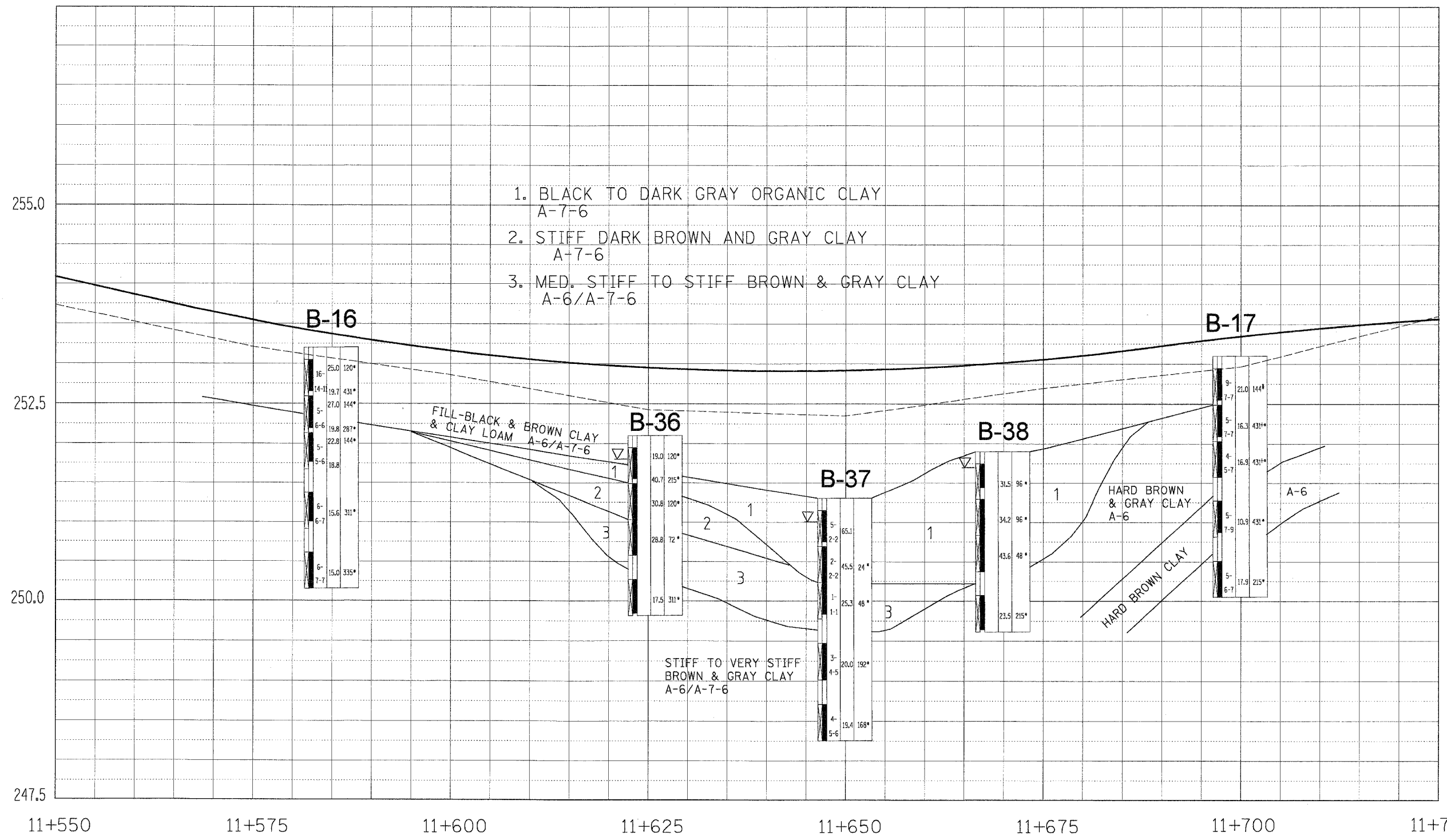
DATE: 8/5/02  
DRAWN BY: SMP  
CHECKED BY: BDH

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	20 WRS-6	LAKE	318	67
STA. 11+550		TO STA. 11+725		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 62030				

NOT TO BE USED FOR DESIGN/CONSTRUCTION PURPOSE

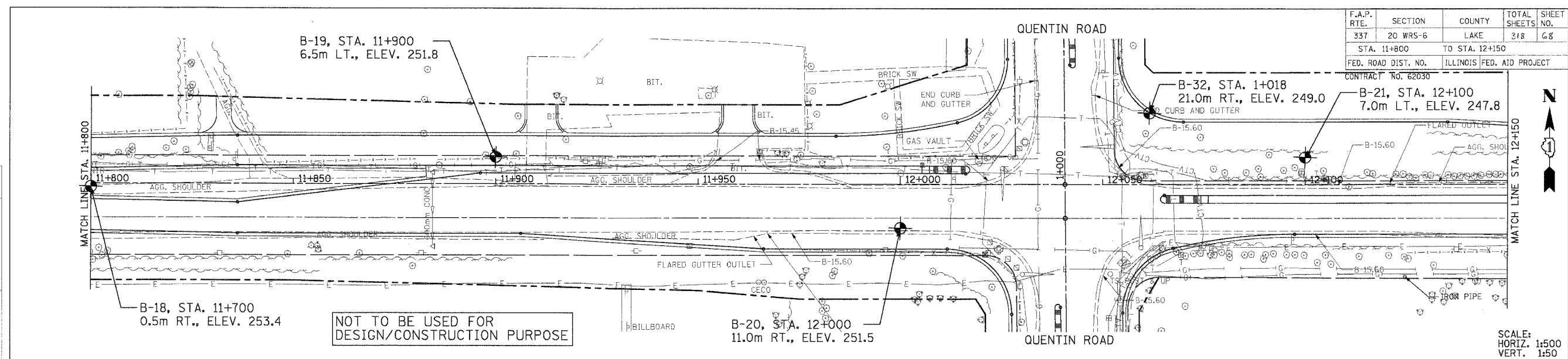
FINAL SURVEY	BY	DATE
SURVEY PLOTTED		
NOTE BOOK TEMPLATE		
AREAS CHECKED		
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ORIGINAL SURVEY	BY	DATE
SURVEY PLOTTED		
NOTE BOOK TEMPLATE		
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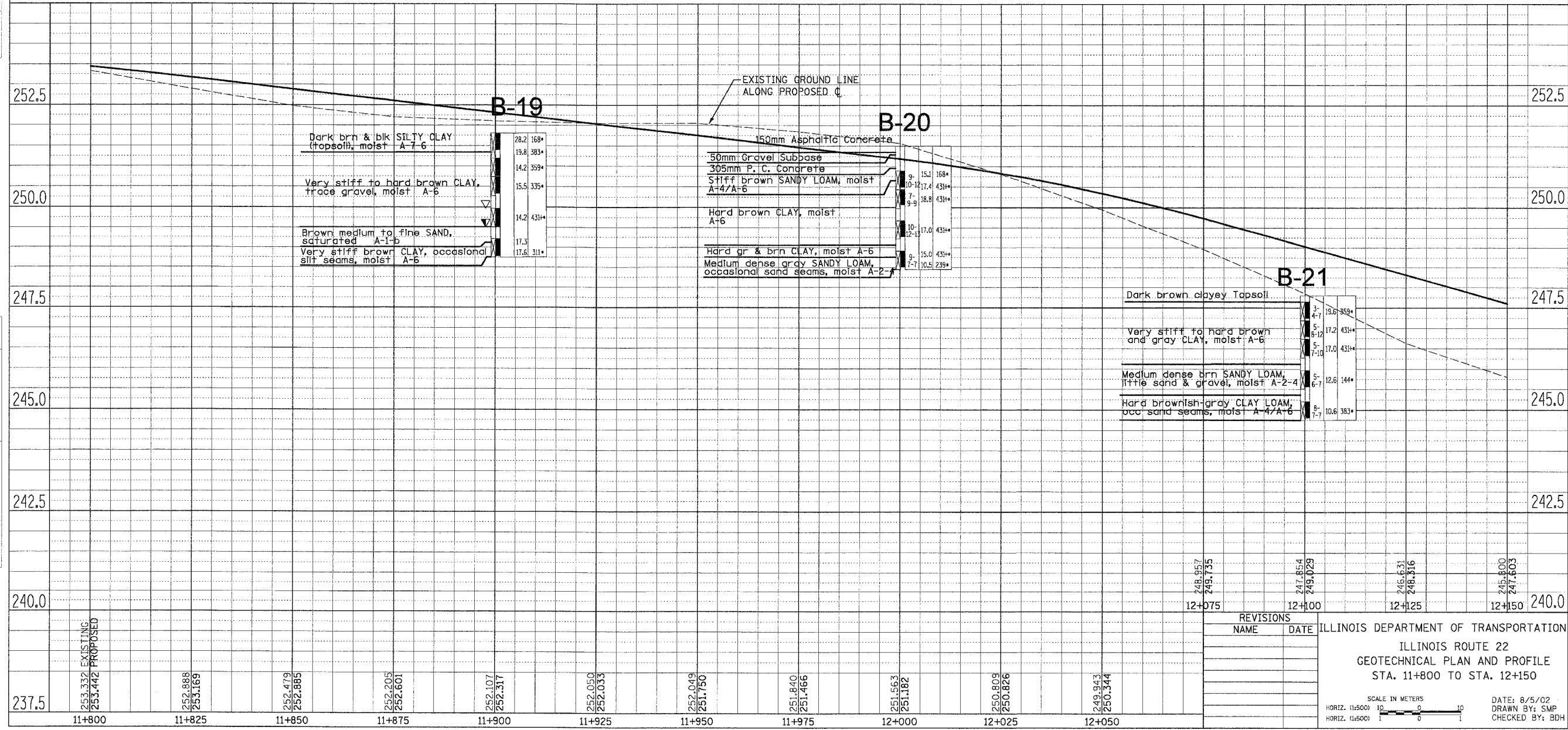
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NAME	DATE	
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	20 WRS-6	LAKE	318	68
STA. 11+800		TO STA. 12+150		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



FINAL SURVEY PLOTTED	DATE
NOTE BOOK TEMPLATE	BY
AREAS CHECKED	
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ORIGINAL SURVEY PLOTTED	DATE
NOTE BOOK TEMPLATE	BY
AREAS CHECKED	
NO.	



REVISIONS	
NAME	DATE

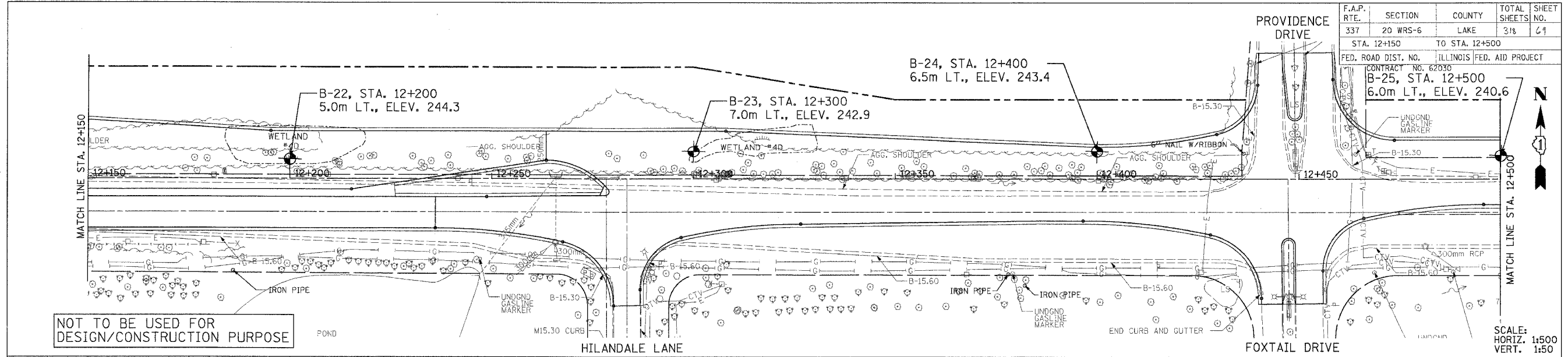
ILLINOIS DEPARTMENT OF TRANSPORTATION  
ILLINOIS ROUTE 22  
GEOTECHNICAL PLAN AND PROFILE  
STA. 11+800 TO STA. 12+150

SCALE IN METERS  
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DATE: 8/5/02  
DRAWN BY: SMP  
CHECKED BY: BDH

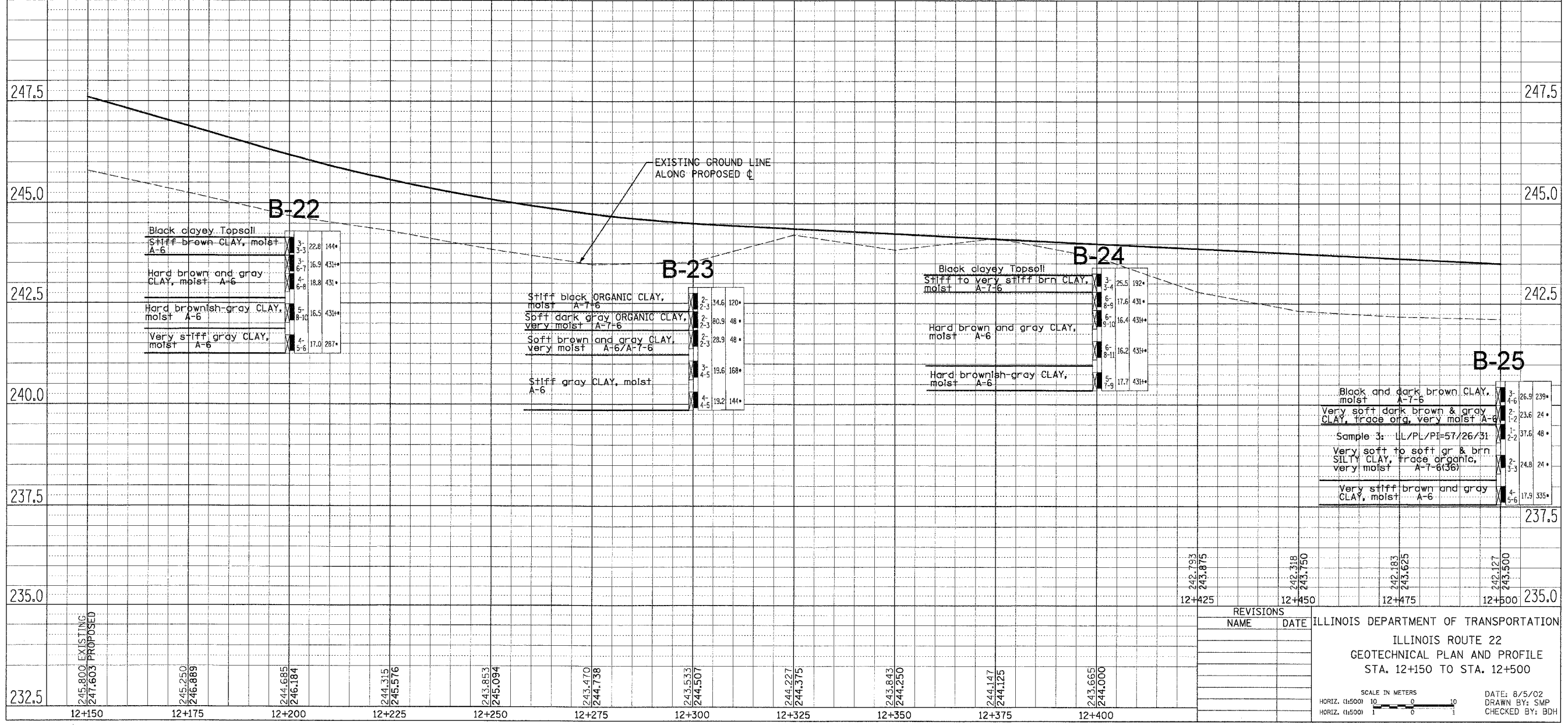
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	20 WRS-6	LAKE	318	67
STA. 12+150		TO STA. 12+500		

CONTRACT NO. 62030  
 ILLINOIS FED. AID PROJECT  
 B-25, STA. 12+500  
 6.0m LT., ELEV. 240.6



NOT TO BE USED FOR DESIGN/CONSTRUCTION PURPOSE

SCALE:  
 HORIZ. 1:500  
 VERT. 1:50



**B-22**

Black clayey Topsoil	3-3	22.8	144*
Stiff brown CLAY, moist A-6	3-3	16.9	431*
Hard brown and gray CLAY, moist A-6	4-6	18.8	431*
Hard brownish-gray CLAY, moist A-6	5-8-10	16.5	431*
Very stiff gray CLAY, moist A-6	4-5-6	17.0	287*

**B-23**

Stiff black ORGANIC CLAY, moist A-7-6	2-3	34.6	120*
Soft dark gray ORGANIC CLAY, very moist A-7-6	2-3	80.9	48*
Soft brown and gray CLAY, very moist A-6/A-7-6	2-3	28.9	48*
Stiff gray CLAY, moist A-6	2-5	19.6	168*
	2-5	19.2	144*

**B-24**

Black clayey Topsoil	3-4	25.5	192*
Stiff to very stiff brn CLAY, moist A-7-6	3-4	17.6	431*
Hard brown and gray CLAY, moist A-6	6-10	16.4	431*
	6-11	16.2	431*
Hard brownish-gray CLAY, moist A-6	2-9	17.7	431*

**B-25**

Black and dark brown CLAY, moist A-7-6	3-4	26.9	239*
Very soft dark brown & gray CLAY, trace org, very moist A-6	2-2	23.6	24*
Sample 3: LL/PL/PI=57/26/31	1-2-2	37.6	48*
Very soft to soft gr & brn SILTY CLAY, trace organic, very moist A-7-6(36)	2-3-3	24.8	24*
Very stiff brown and gray CLAY, moist A-6	4-5-6	17.5	335*

REVISIONS	NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 ILLINOIS ROUTE 22  
 GEOTECHNICAL PLAN AND PROFILE  
 STA. 12+150 TO STA. 12+500

SCALE IN METERS  
 HORIZ. (1:500) 0 10  
 HORIZ. (1:500) 1 0 1  
 DATE: 8/5/02  
 DRAWN BY: SMP  
 CHECKED BY: BDH

FINAL SURVEY	DATE
BY	
NO.	

ORIGINAL SURVEY	DATE
BY	
NO.	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	20 WRS-6	LAKE	3/8	70
STA. 12+500		TO STA. 12+700		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 62030				

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

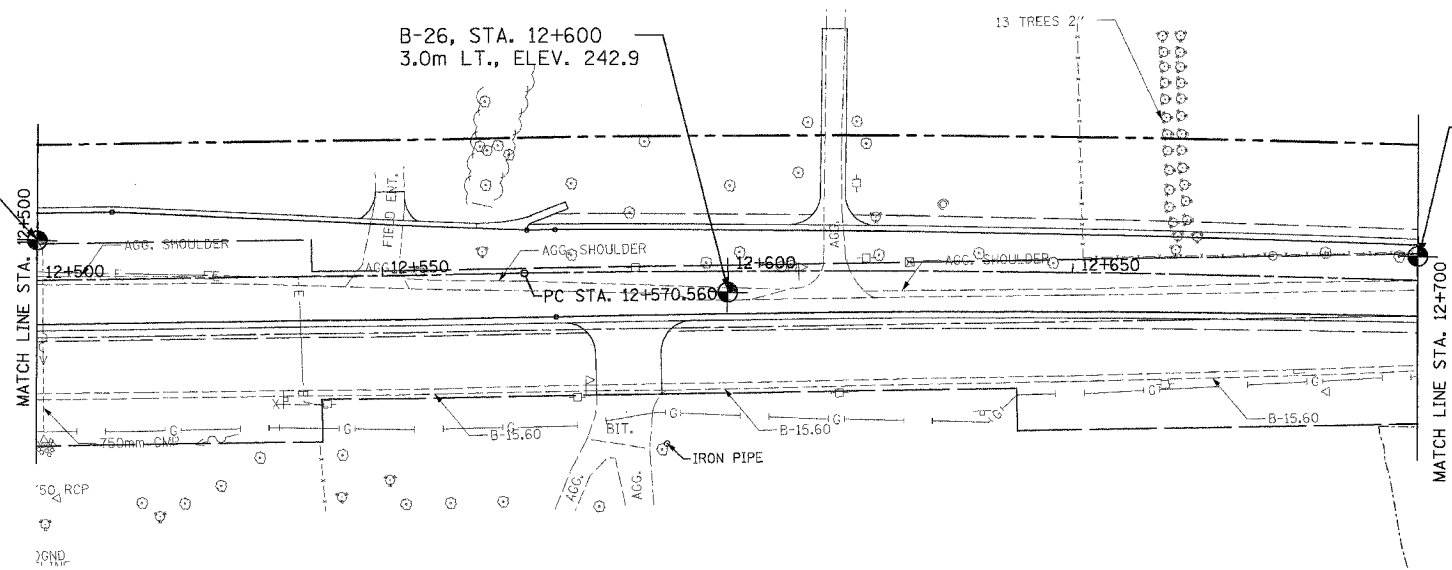
ORIGINAL SURVEY PLOTTED	BY	DATE
NOTE BOOK TEMPLATE AREAS CHECKED		
NO.		

NOT TO BE USED FOR DESIGN/CONSTRUCTION PURPOSE

B-25, STA. 12+500  
6m LT., ELEV. 240.6

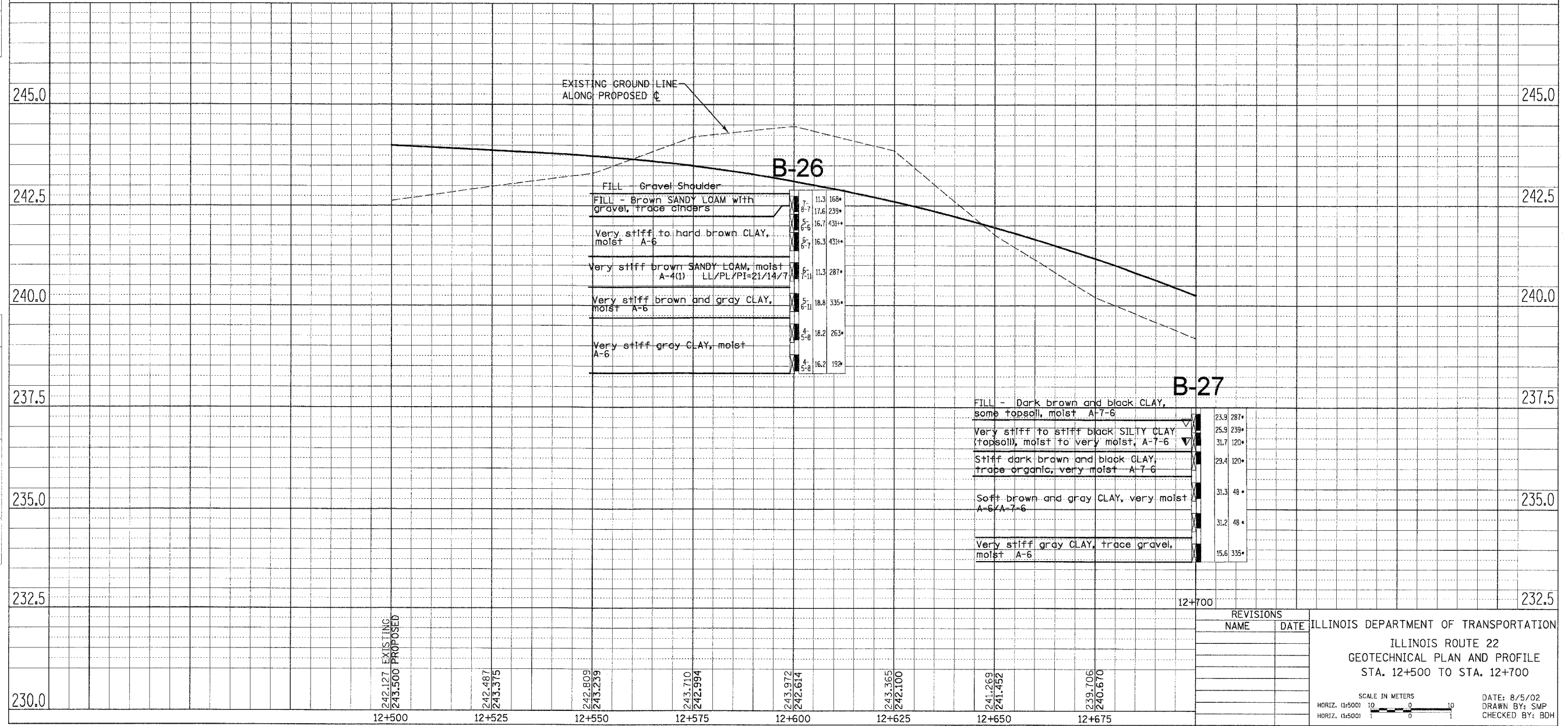
B-26, STA. 12+600  
3.0m LT., ELEV. 242.9

B-27, STA. 12+700  
3.5m LT., ELEV. 237.5



PROP. CURVE 25  
 PI STA = 12+644.660  
 $\Delta = 3^\circ 11' 00''$  (RT)  
 R = 2,666.682 m  
 T = 74.101 m  
 L = 148.164 m  
 E = 1.029 m  
 SE = NORMAL CROWN  
 P.C. STA = 12+570.560  
 P.T. STA = 12+718.723

SCALE:  
 HORIZ. 1:500  
 VERT. 1:50



REVISIONS	
NAME	DATE

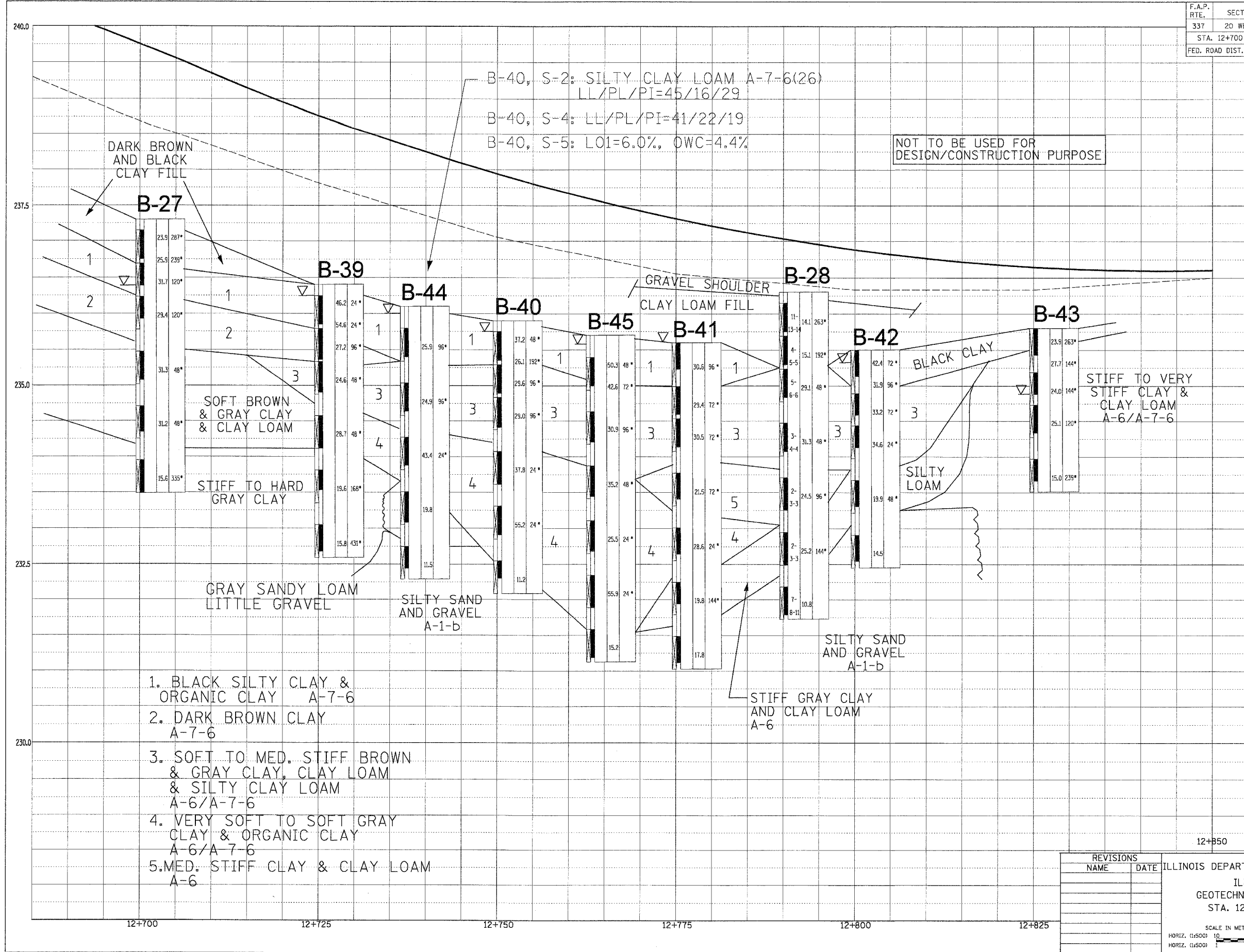
ILLINOIS DEPARTMENT OF TRANSPORTATION  
 ILLINOIS ROUTE 22  
 GEOTECHNICAL PLAN AND PROFILE  
 STA. 12+500 TO STA. 12+700

SCALE IN METERS  
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 HORIZ. (1:500) 0 10

DATE: 8/5/02  
 DRAWN BY: SMP  
 CHECKED BY: BDH



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	20 WRS-6	LAKE	314	72
STA. 12+700		TO STA. 12+850		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 62030				



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

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

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
ILLINOIS ROUTE 22  
GEOTECHNICAL PLAN AND PROFILE  
STA. 12+700 TO STA. 12+850

SCALE IN METERS  
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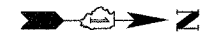
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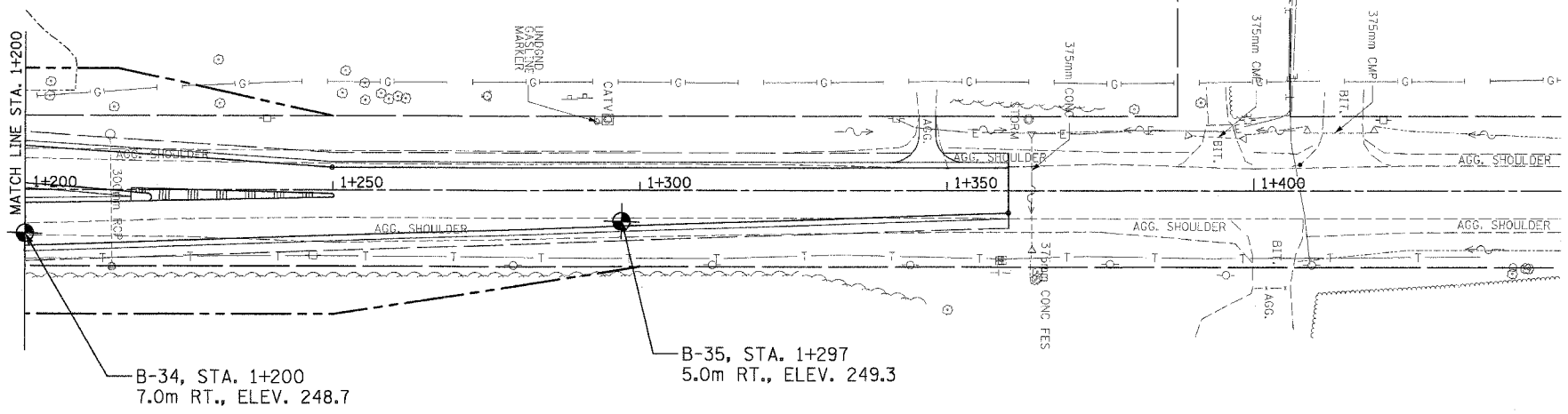
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	20 WRS-6	LAKE	318	75
STA. 1+200		TO STA. 1+450		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 62030				



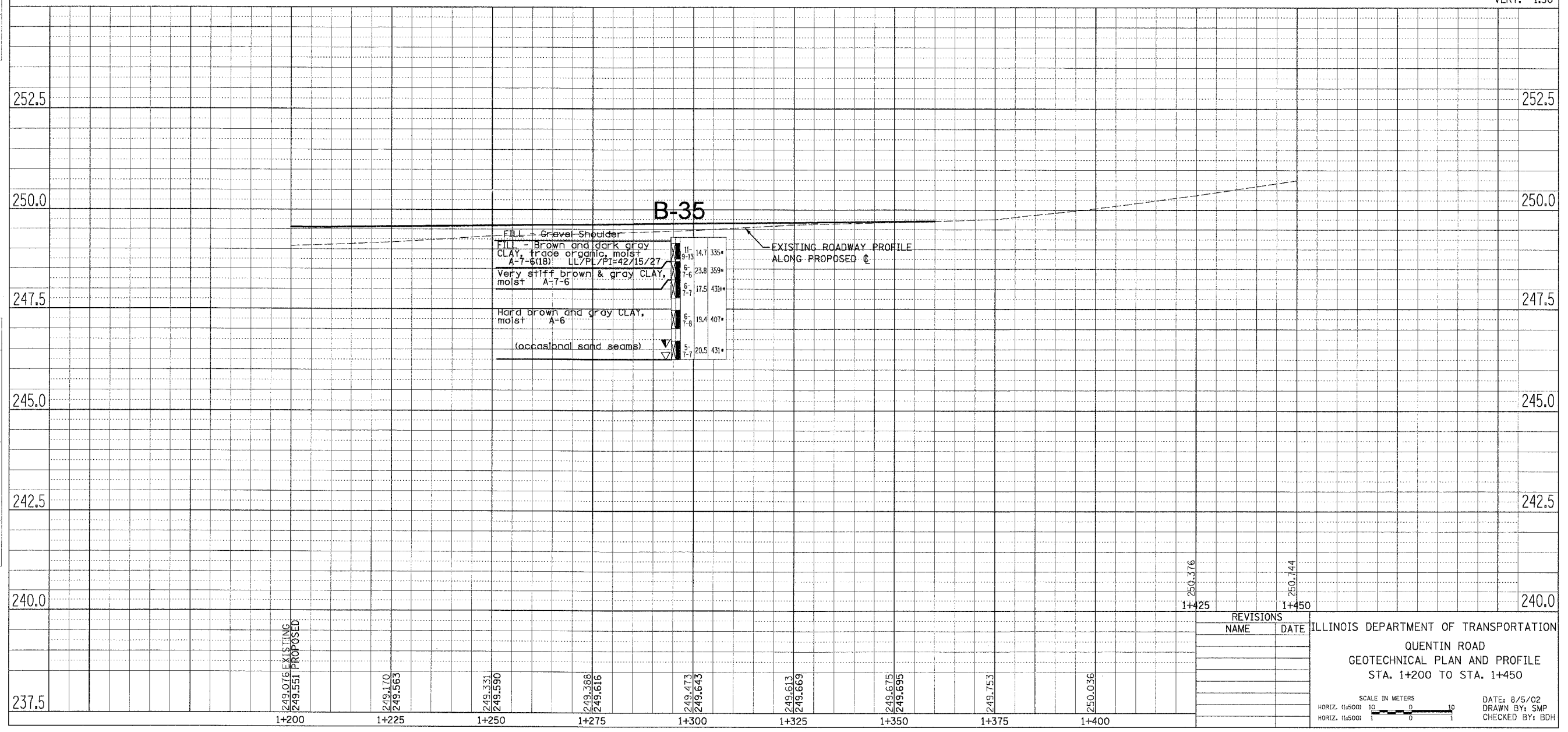
BY	DATE
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED

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

NOT TO BE USED FOR DESIGN/CONSTRUCTION PURPOSE



SCALE:  
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VERT. 1:50



250.376  
1+425  
250.744  
1+450

REVISIONS	
NAME	DATE

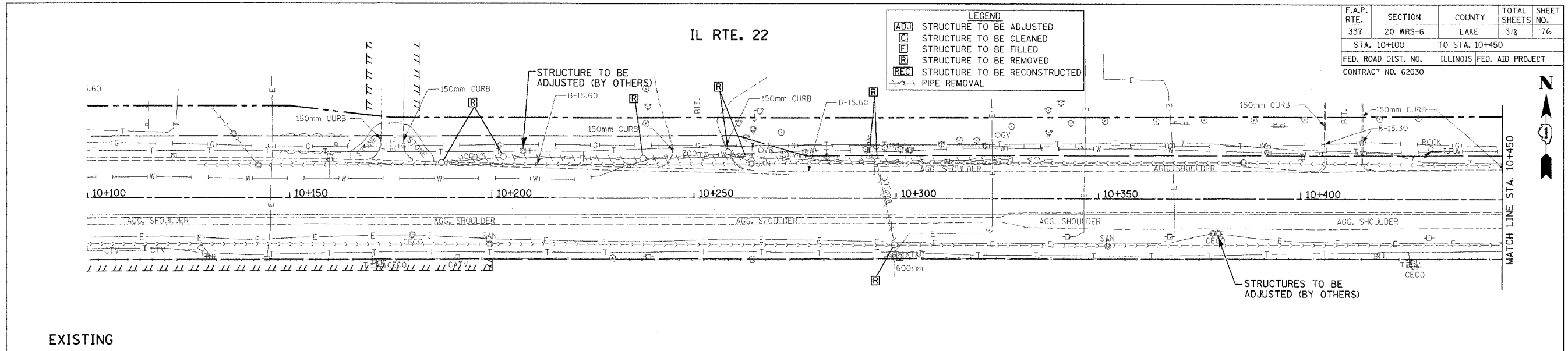
ILLINOIS DEPARTMENT OF TRANSPORTATION  
QUENTIN ROAD  
GEOTECHNICAL PLAN AND PROFILE  
STA. 1+200 TO STA. 1+450

SCALE IN METERS  
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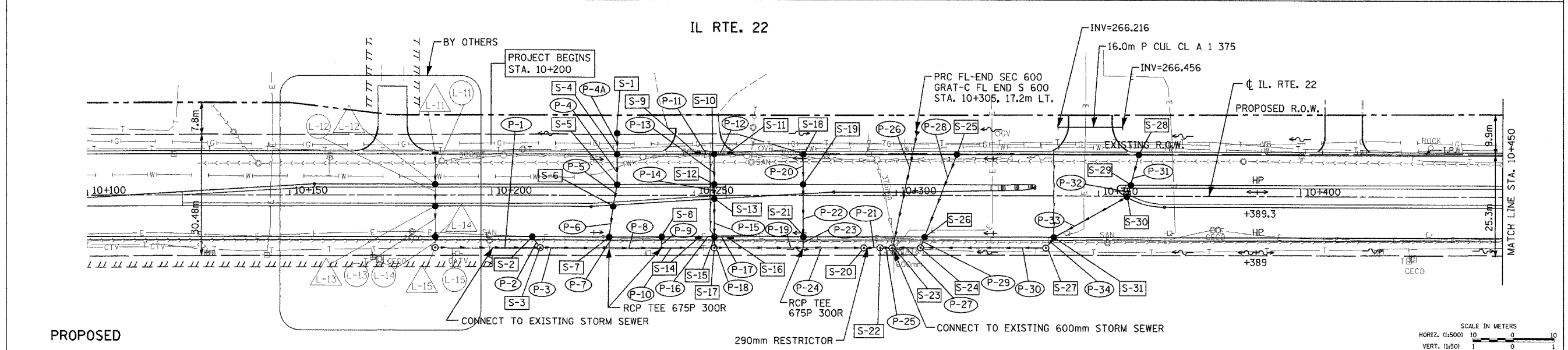
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FINAL SURVEY PLOTTED  
 NO. DATE

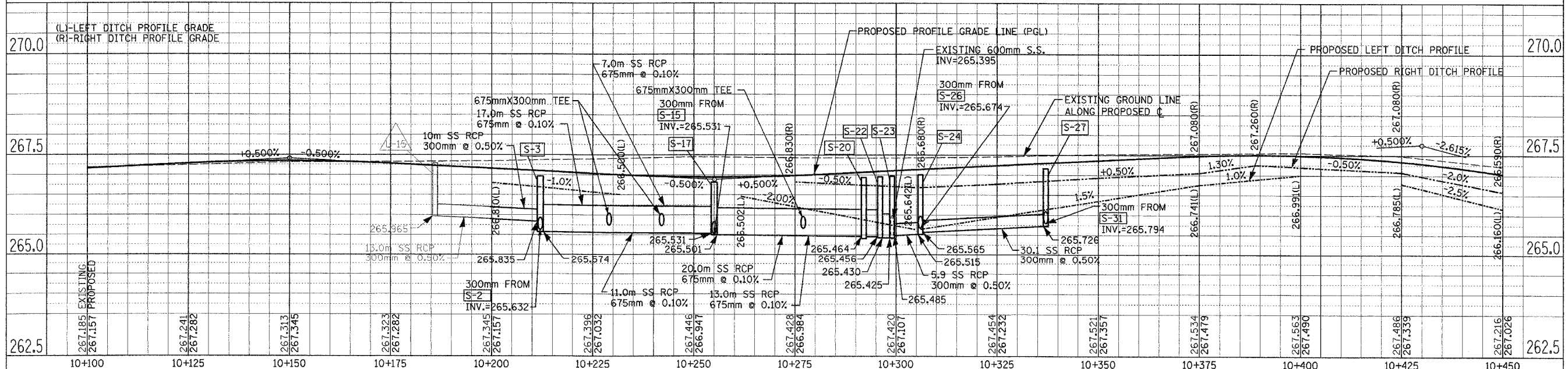
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 NO. DATE



EXISTING

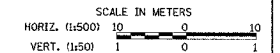


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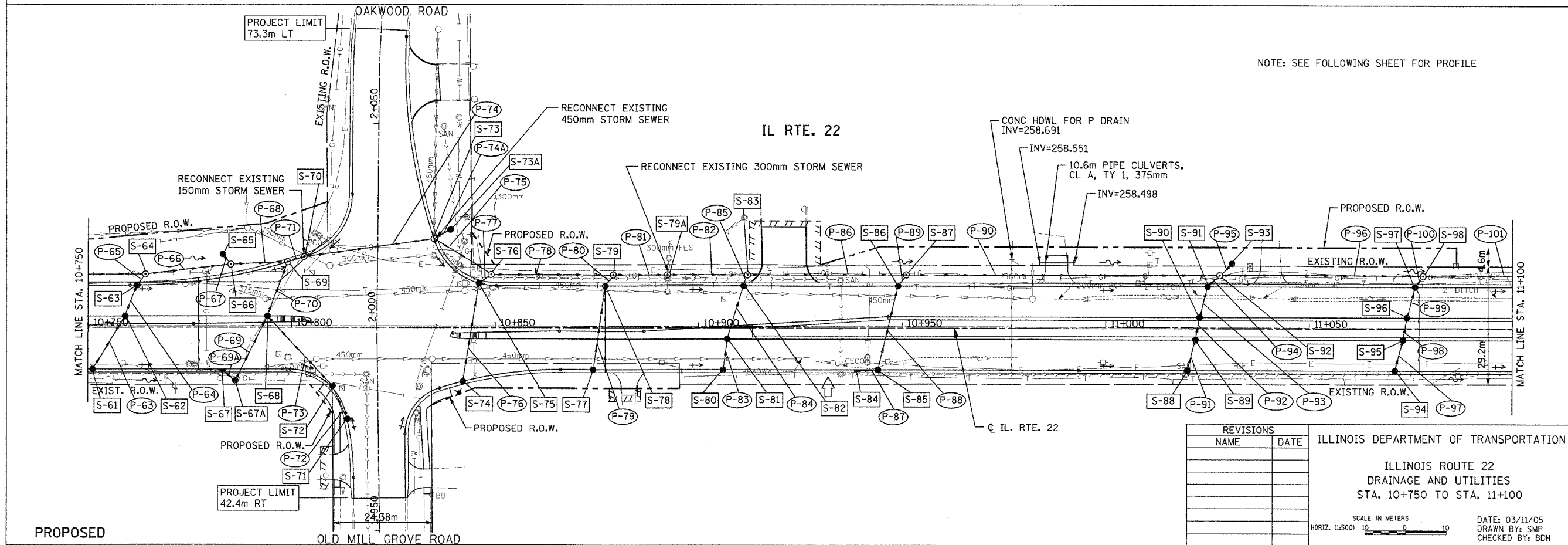
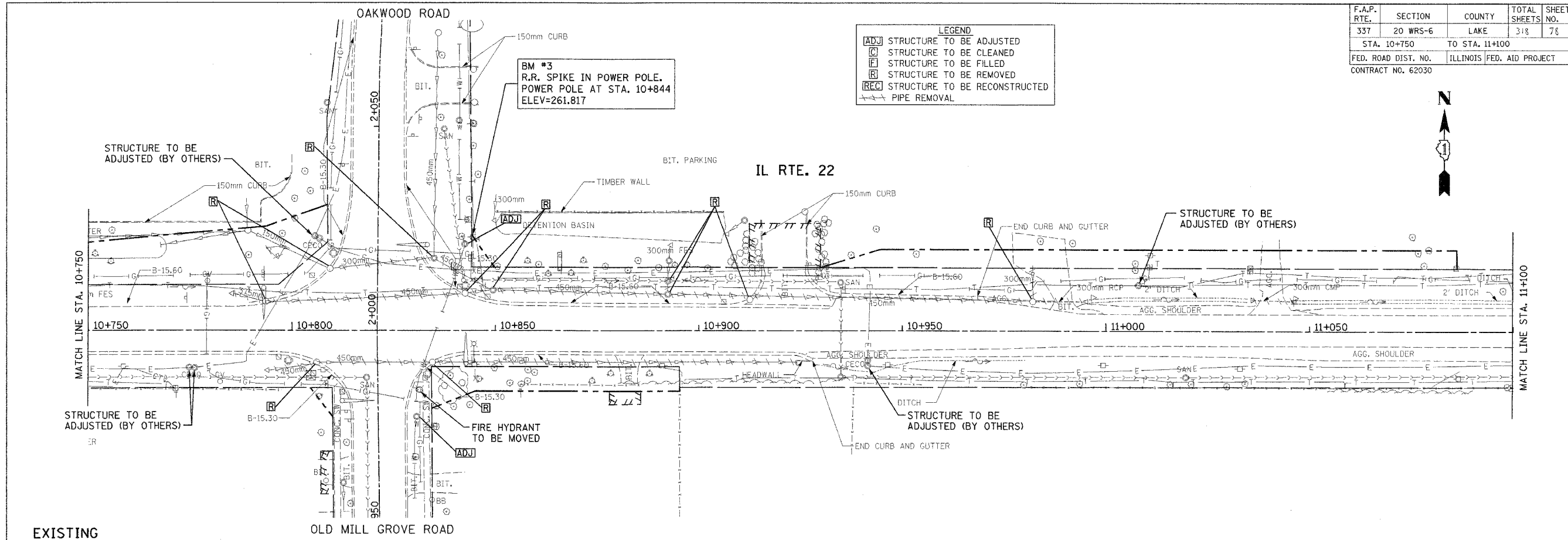
DRAINAGE AND UTILITIES IL. RTE. 22 STA. 10+100 TO STA. 10+450

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	20 WRS-6	LAKE	318	76
STA. 10+100		TO STA. 10+450		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 62030				





F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	20 WRS-6	LAKE	318	78
STA. 10+750		TO STA. 11+100		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		CONTRACT NO. 62030		



NOTE: SEE FOLLOWING SHEET FOR PROFILE

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

ILLINOIS ROUTE 22  
DRAINAGE AND UTILITIES  
STA. 10+750 TO STA. 11+100

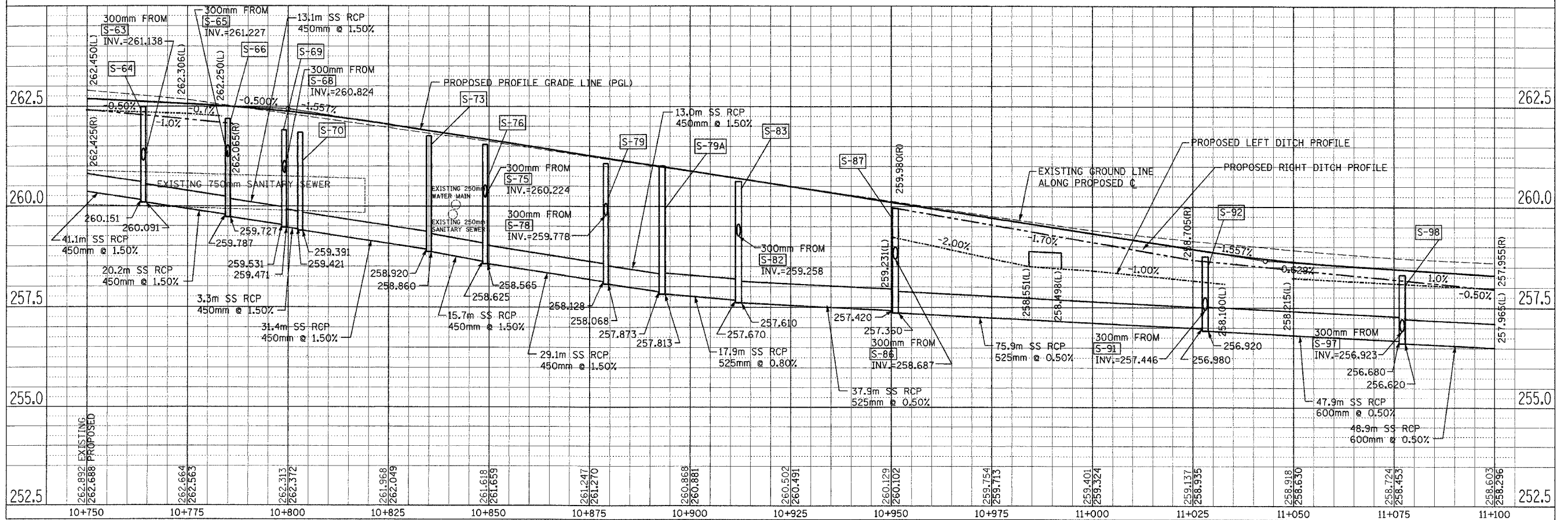
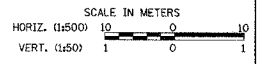
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DATE: 03/11/05  
DRAWN BY: SMP  
CHECKED BY: BDH

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	20 WRS-6	LAKE	318	71
STA. 10+750		TO STA. 11+100		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 62030				

FINAL SURVEY	SURVEYED	DATE
NO. _____	PLOTTED	_____
NO. _____	AREAS	_____
NO. _____	CHECKED	_____

ORIGINAL SURVEY	SURVEYED	DATE
NO. _____	PLOTTED	_____
NO. _____	AREAS	_____
NO. _____	CHECKED	_____

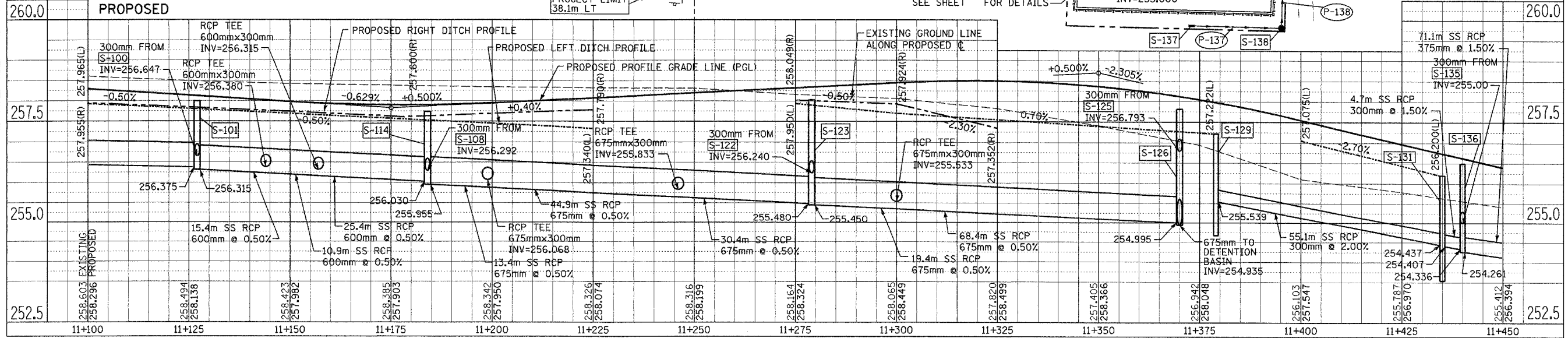
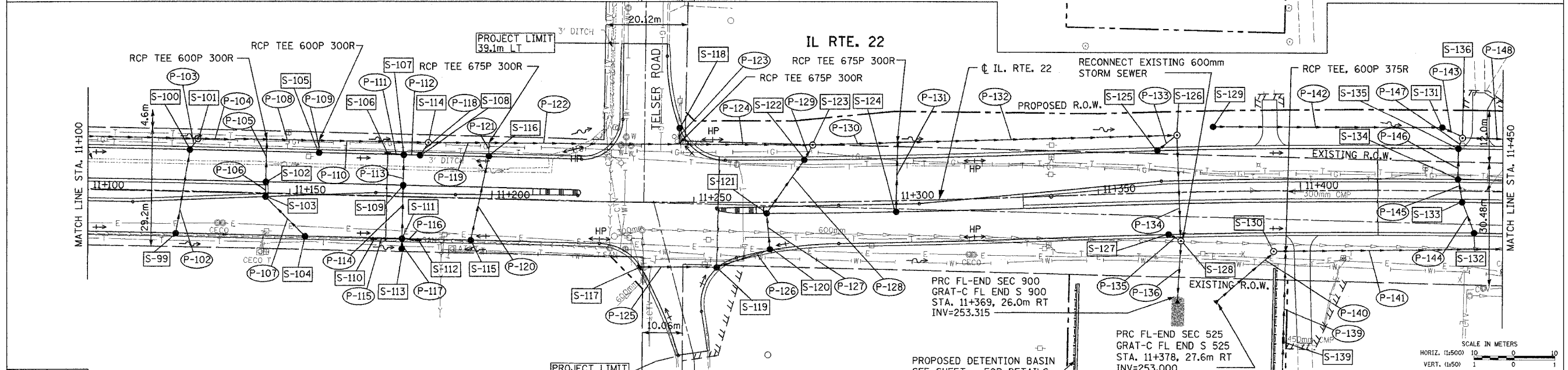
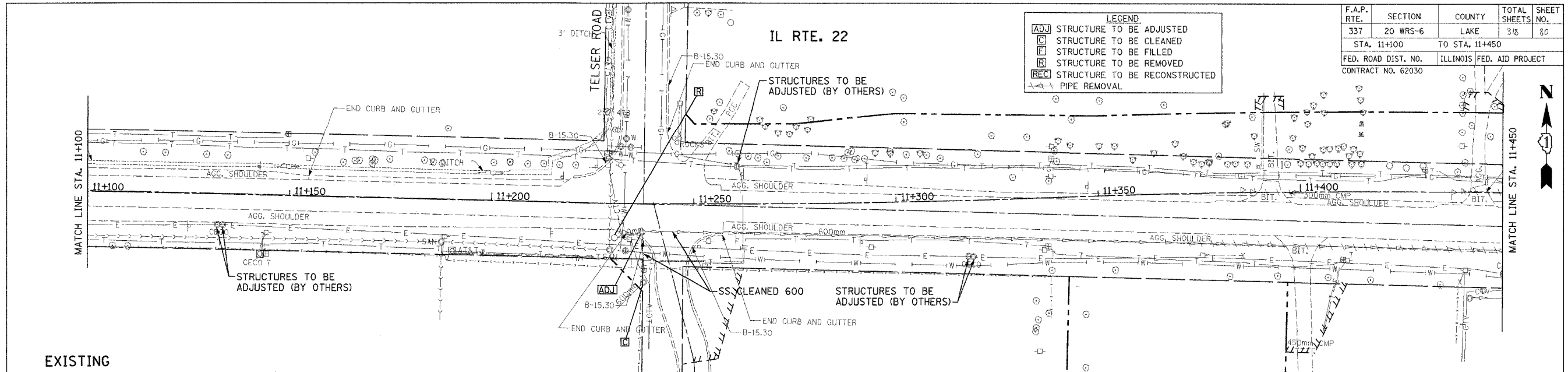


DRAINAGE AND UTILITIES IL. RTE. 22 STA. 10+750 TO STA. 11+100

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	20 WRS-6	LAKE	3/8	80
STA. 11+100		TO STA. 11+450		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
CONTRACT NO. 62030				

**LEGEND**

- [ADJ] STRUCTURE TO BE ADJUSTED
- [C] STRUCTURE TO BE CLEANED
- [F] STRUCTURE TO BE FILLED
- [R] STRUCTURE TO BE REMOVED
- [REC] STRUCTURE TO BE RECONSTRUCTED
- PIPE REMOVAL



DRAINAGE AND UTILITIES IL. RTE. 22 STA. 11+100 TO STA. 11+450

BY: \_\_\_\_\_ DATE: \_\_\_\_\_

FINAL SURVEY PLOTTED

SURVEYED

NOTE BOOK TEMPLATE

AREAS CHECKED

NO. \_\_\_\_\_

BY: \_\_\_\_\_ DATE: \_\_\_\_\_

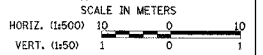
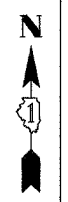
ORIGINAL SURVEY PLOTTED

SURVEYED

NOTE BOOK TEMPLATE

AREAS CHECKED

NO. \_\_\_\_\_

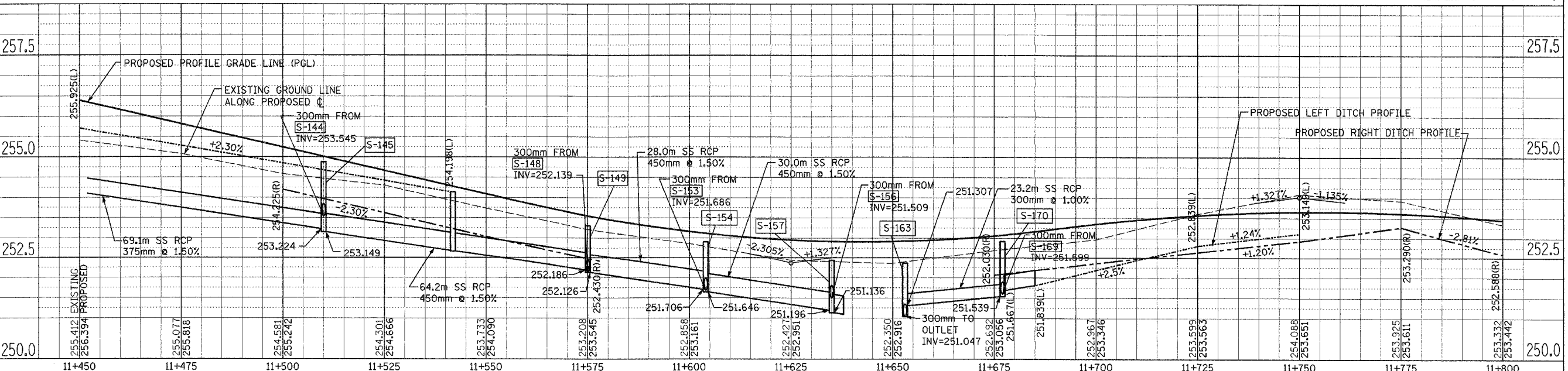
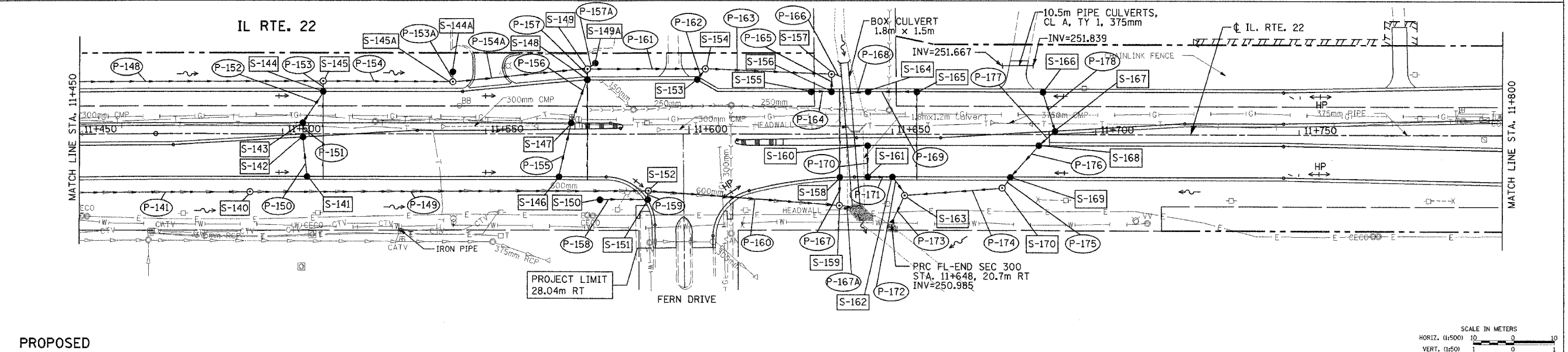
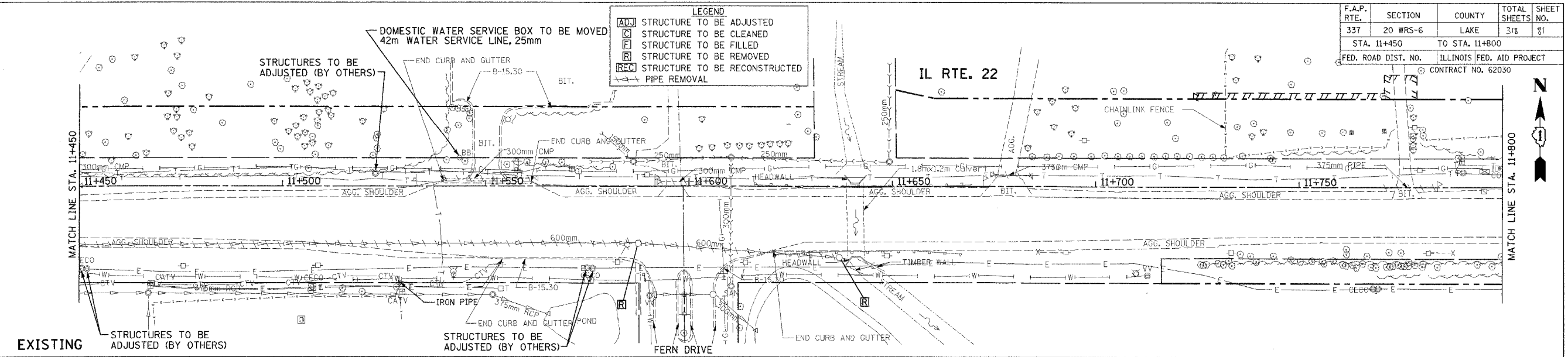




F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	20 WRS-6	LAKE	318	317
STA. 11+450		TO STA. 11+800		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		CONTRACT NO. 62030		

**LEGEND**

- [ADJ] STRUCTURE TO BE ADJUSTED
- [C] STRUCTURE TO BE CLEANED
- [F] STRUCTURE TO BE FILLED
- [R] STRUCTURE TO BE REMOVED
- [REC] STRUCTURE TO BE RECONSTRUCTED
- [X] PIPE REMOVAL



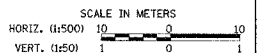
DRAINAGE AND UTILITIES IL. RTE. 22 STA. 11+450 TO STA. 11+800

DATE	BY

FINAL SURVEY PLOTTED  
NOTE BOOK TEMPLATE AREAS CHECKED

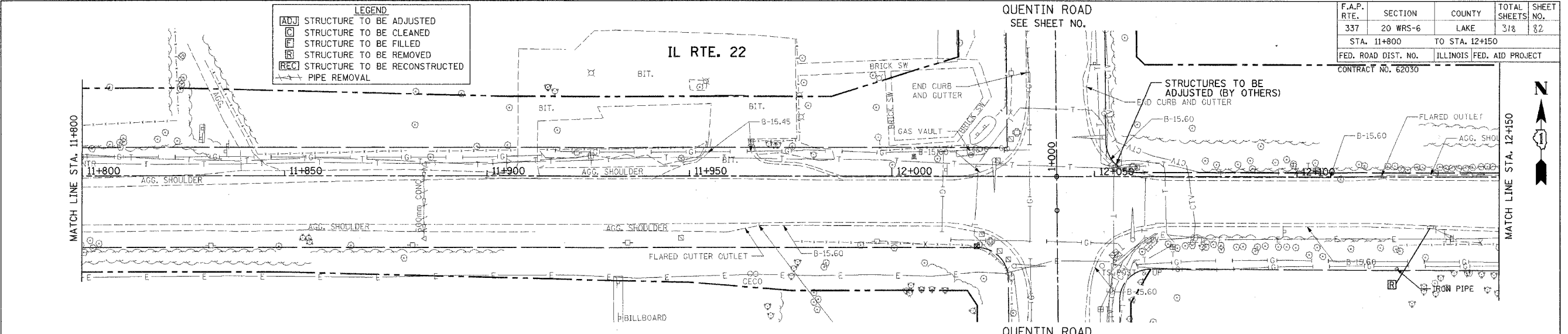
DATE	BY

ORIGINAL SURVEY PLOTTED  
NOTE BOOK TEMPLATE AREAS CHECKED

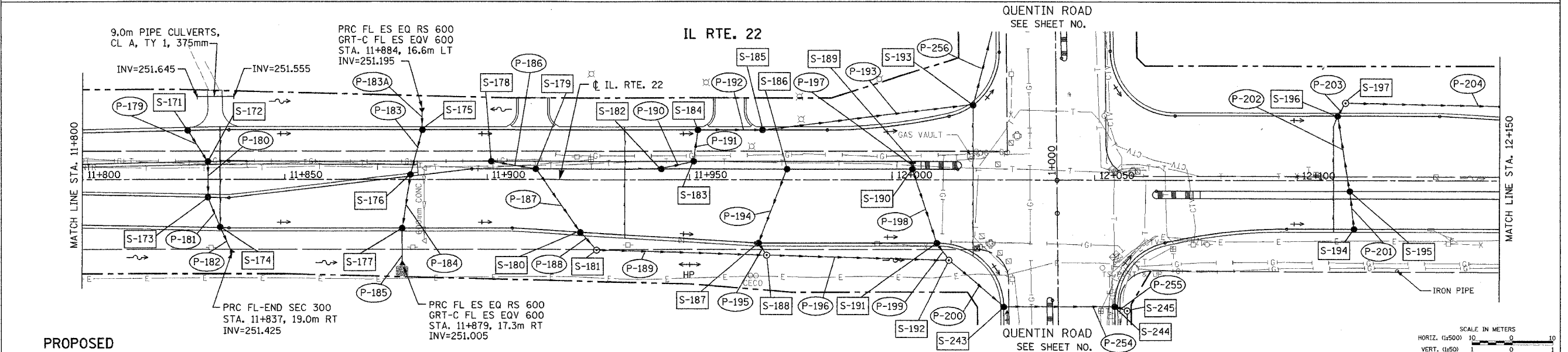


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	20 WRS-6	LAKE	318	82
STA. 11+800		TO STA. 12+150		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 62030				

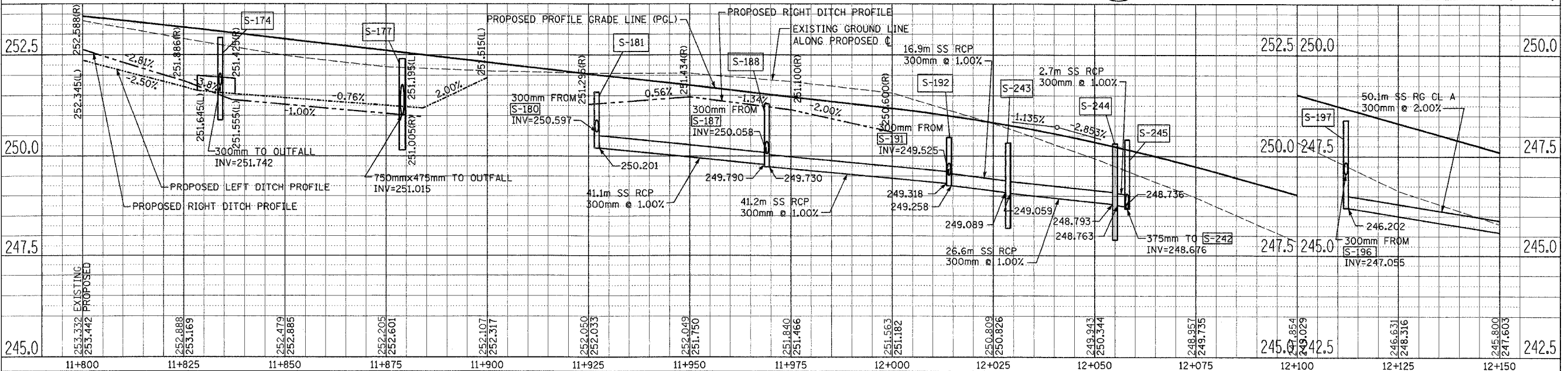
LEGEND	
[ADJ]	STRUCTURE TO BE ADJUSTED
[C]	STRUCTURE TO BE CLEANED
[F]	STRUCTURE TO BE FILLED
[R]	STRUCTURE TO BE REMOVED
[REC]	STRUCTURE TO BE RECONSTRUCTED
[X]	PIPE REMOVAL



EXISTING



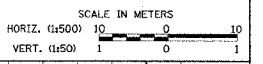
PROPOSED



DRAINAGE AND UTILITIES IL. RTE. 22 STA. 11+800 TO STA. 12+150

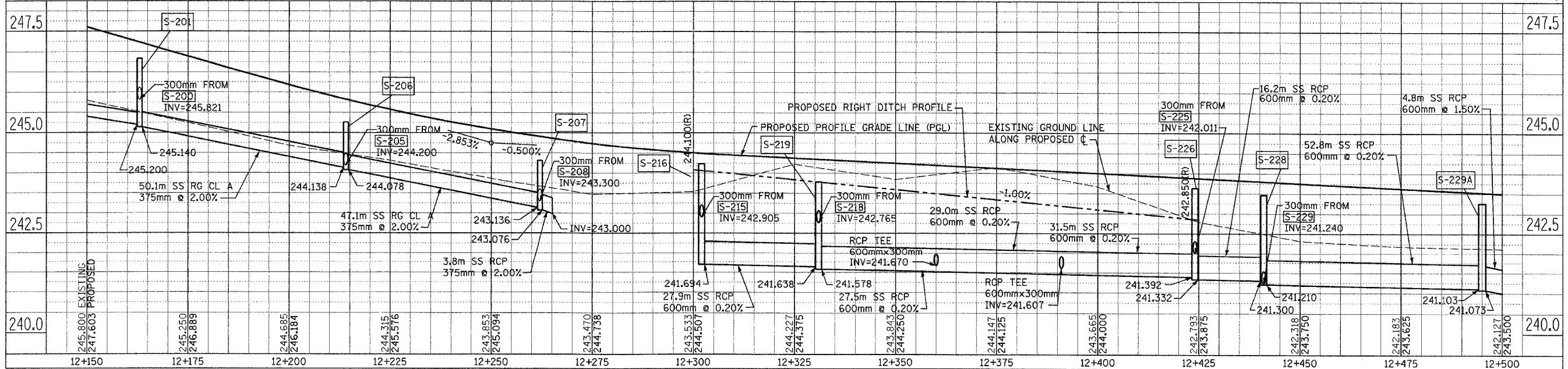
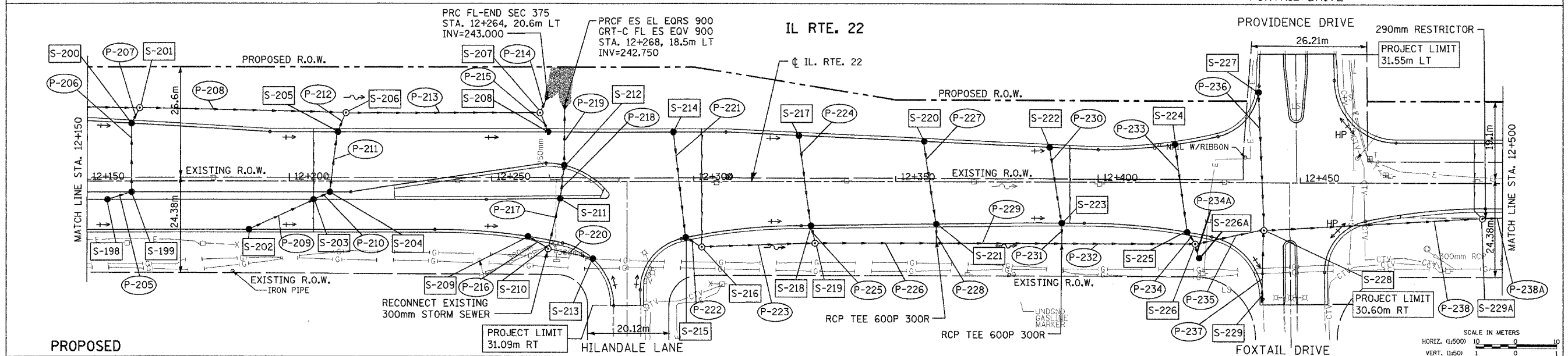
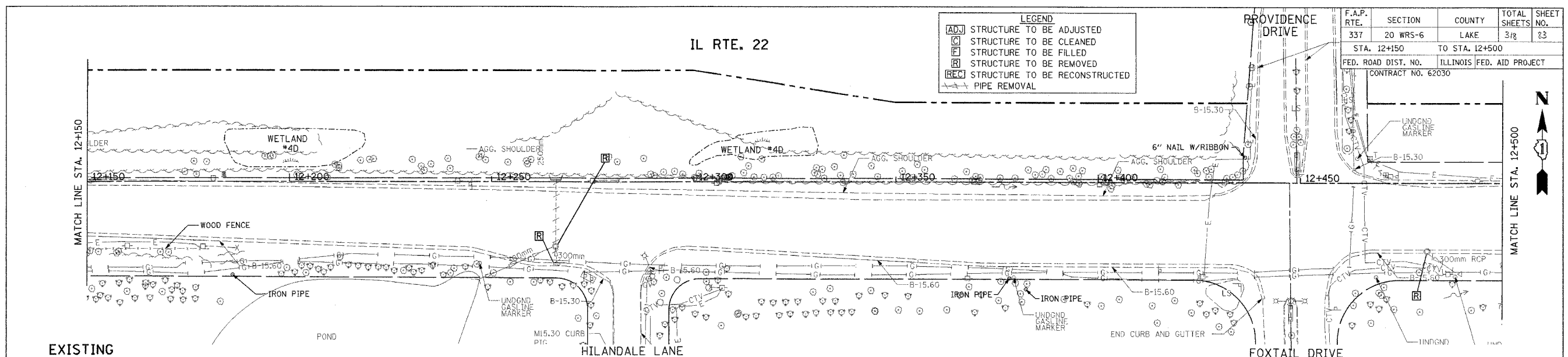
BY	DATE
FINAL SURVEYED	
SURVEY PLOTTED	
NOTE BOOK TEMPLATE	
AREAS CHECKED	
NO.	

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



BY	DATE
SURVEYED	
PLOTTED	
NOTE BOOK TEMPLATE	
AREAS CHECKED	
NO.	

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



DRAINAGE AND UTILITIES IL. RTE. 22 STA. 12+150 TO STA. 12+500



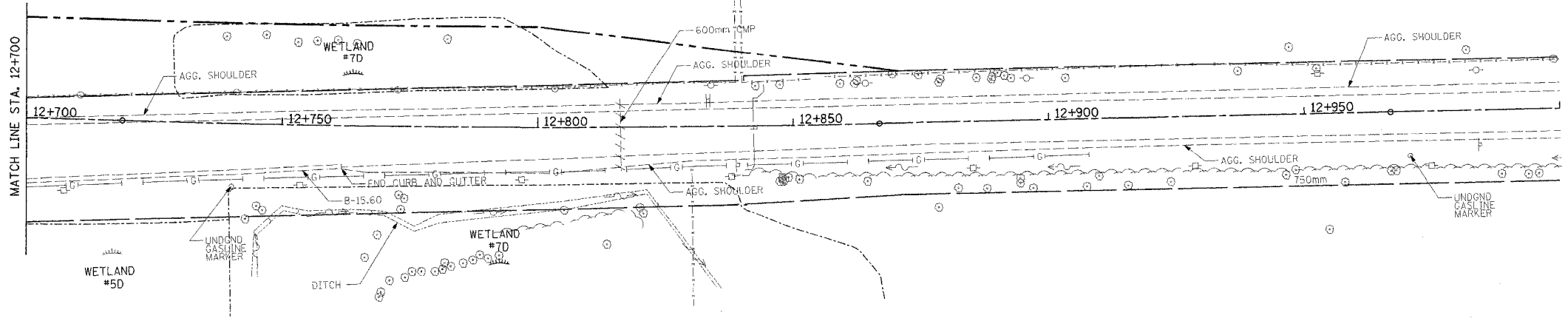
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	20 WRS-6	LAKE	312	85
STA. 12+700		TO STA. 12+950		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 62030				

IL RTE. 22



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

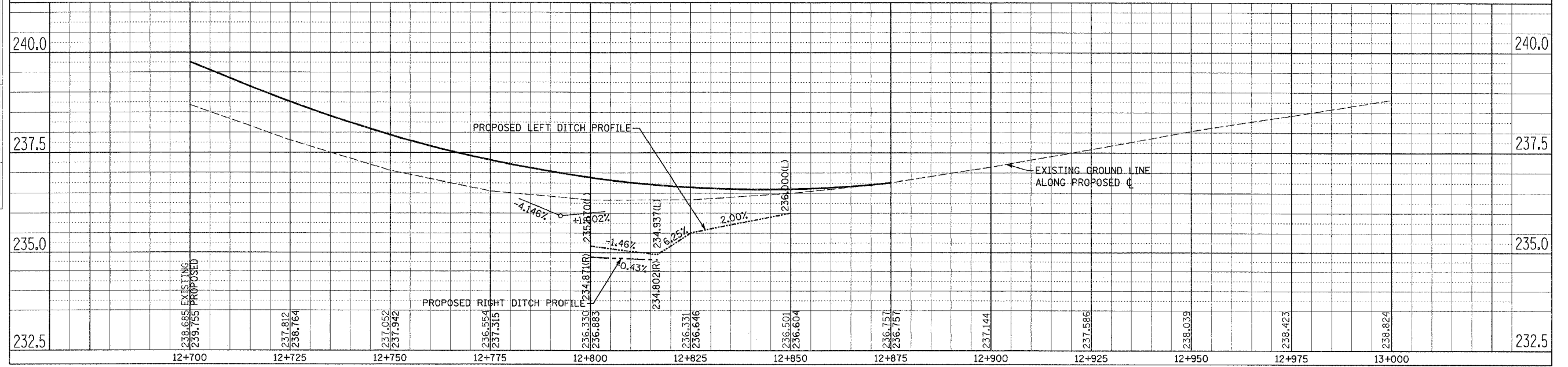
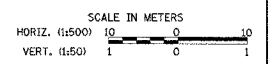
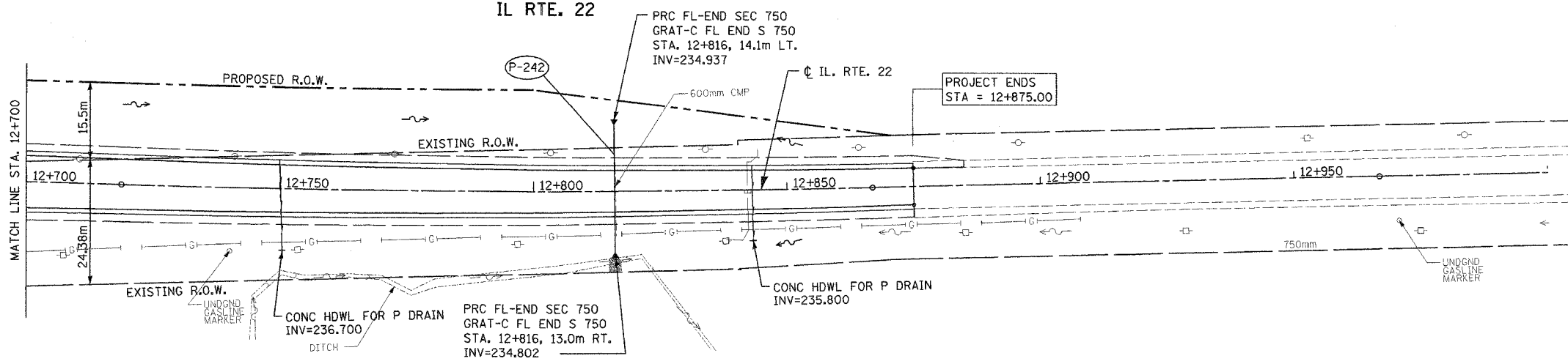
EXISTING



IL RTE. 22

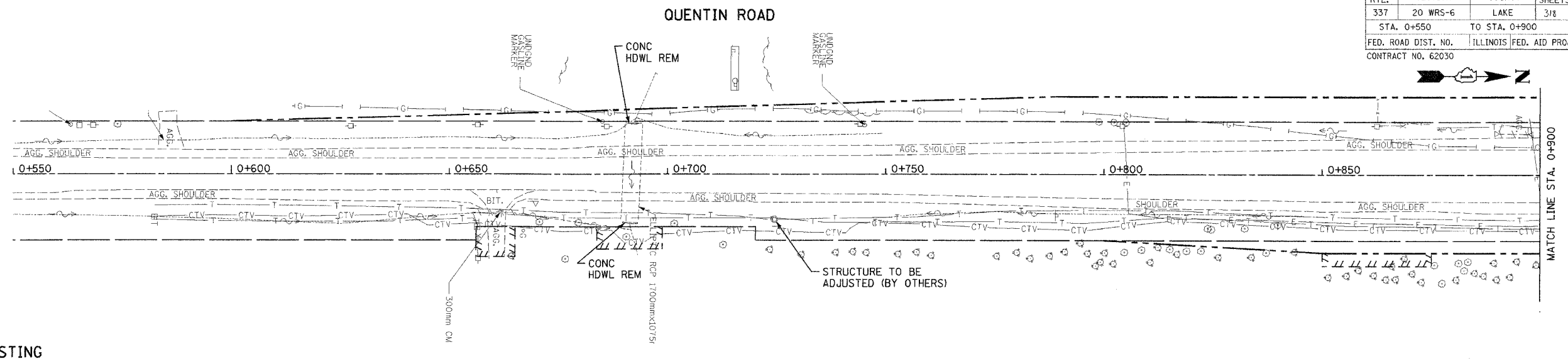
ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
NOTE BOOK TEMPLATE		
AREAS CHECKED		
NO.		

PROPOSED

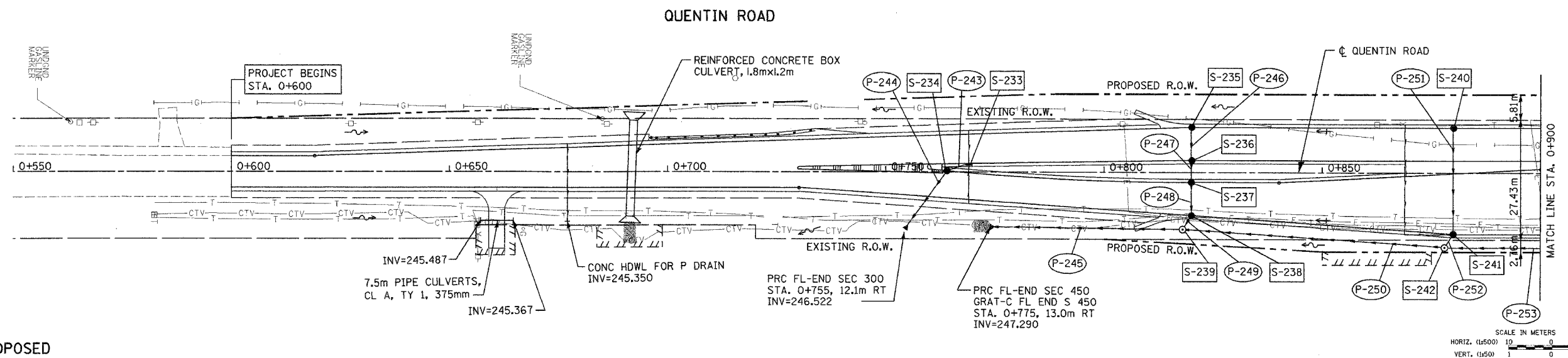


DRAINAGE AND UTILITIES IL. RTE. 22 STA. 12+700 TO STA. 13+000

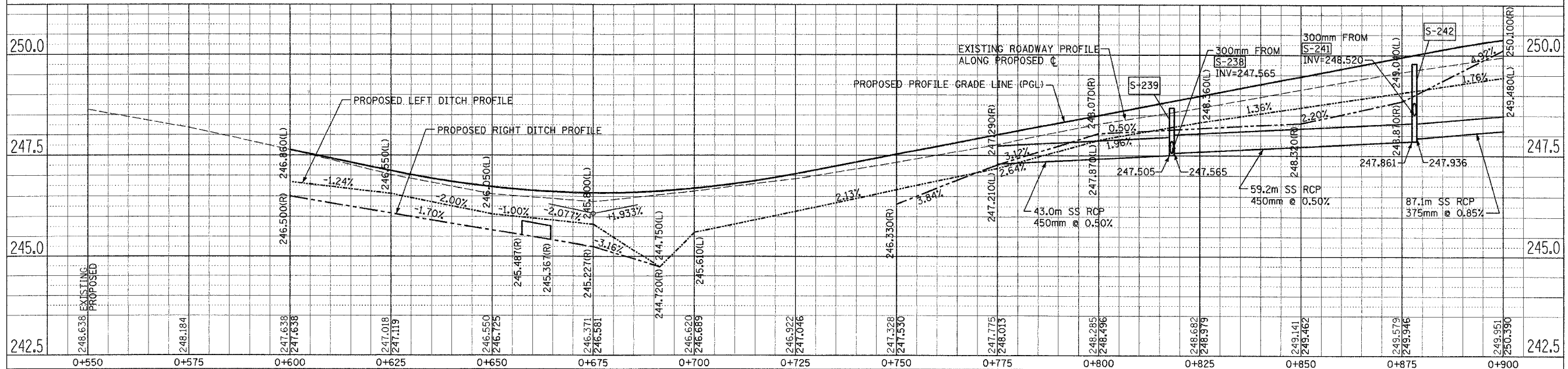
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	20 WRS-6	LAKE	3/8	86
STA. 0+550		TO STA. 0+900		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 62030				



EXISTING



PROPOSED



DRAINAGE AND UTILITIES QUENTIN ROAD STA. 0+550 TO STA. 0+900

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

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	20 WRS-6	LAKE	378	87
STA. 0+900		TO STA. 1+200		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 62030				

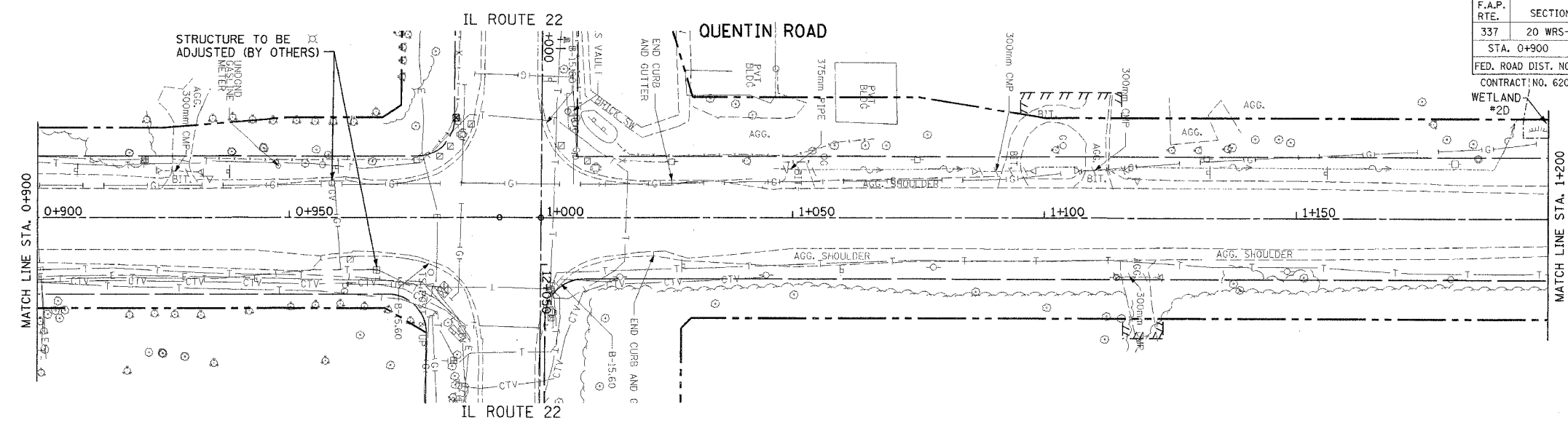
WETLAND #2D



BY	DATE

FINAL SURVEY PLOTTED	
NOTE BOOK TEMPLATE	
AREAS CHECKED	
NO.	

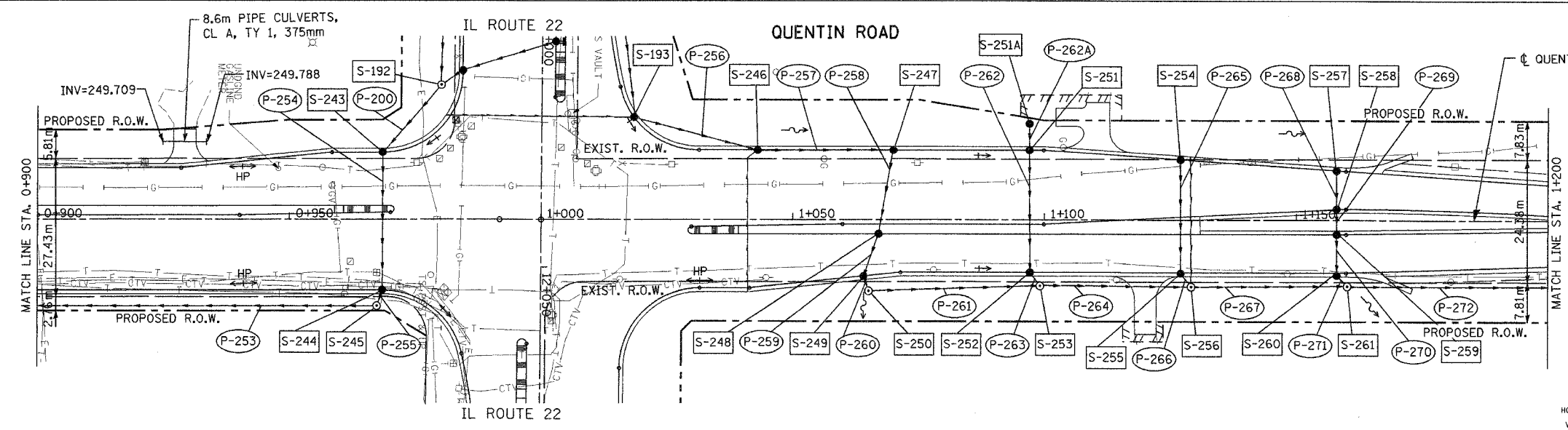


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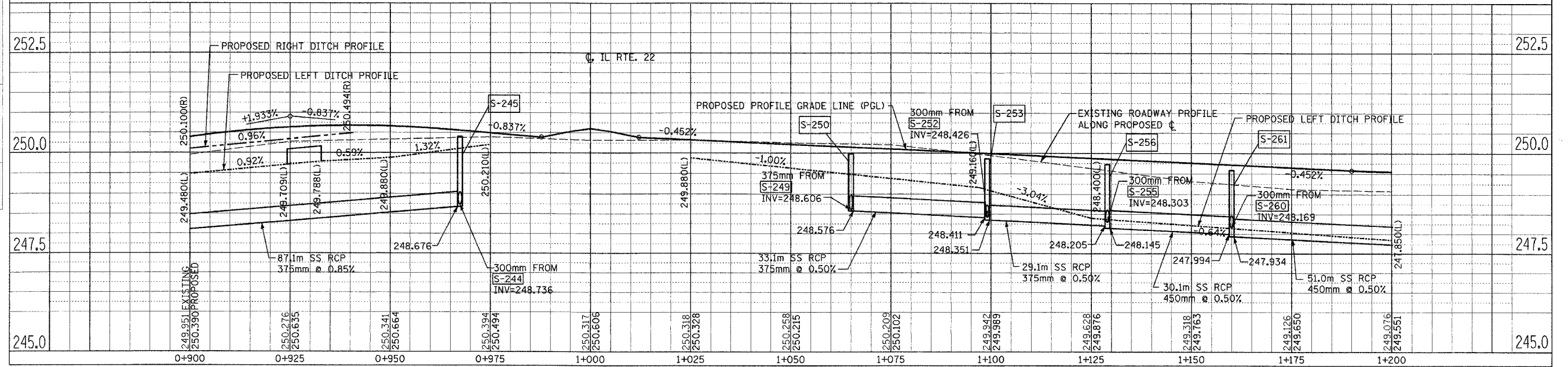
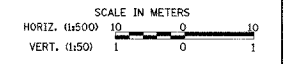
BY	DATE

ORIGINAL SURVEY PLOTTED	
NOTE BOOK TEMPLATE	
AREAS CHECKED	
NO.	



PROPOSED

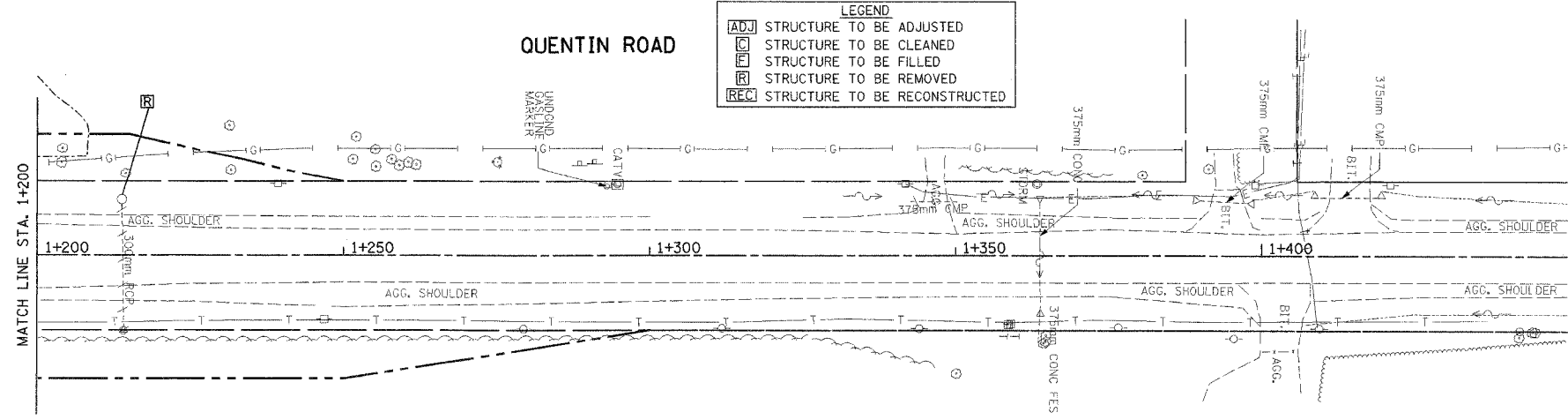


DRAINAGE AND UTILITIES QUENTIN ROAD STA. 0+900 TO STA. 1+200

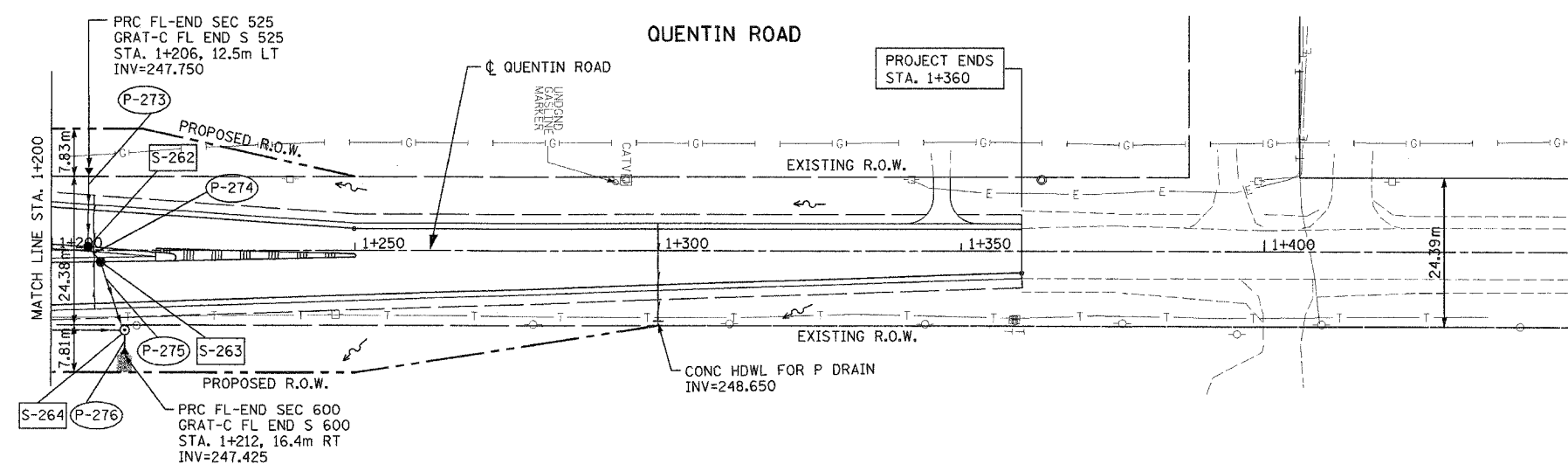
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	20 WRS-6	LAKE	318	88
STA. 1+200		TO STA. 1+450		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 62030				



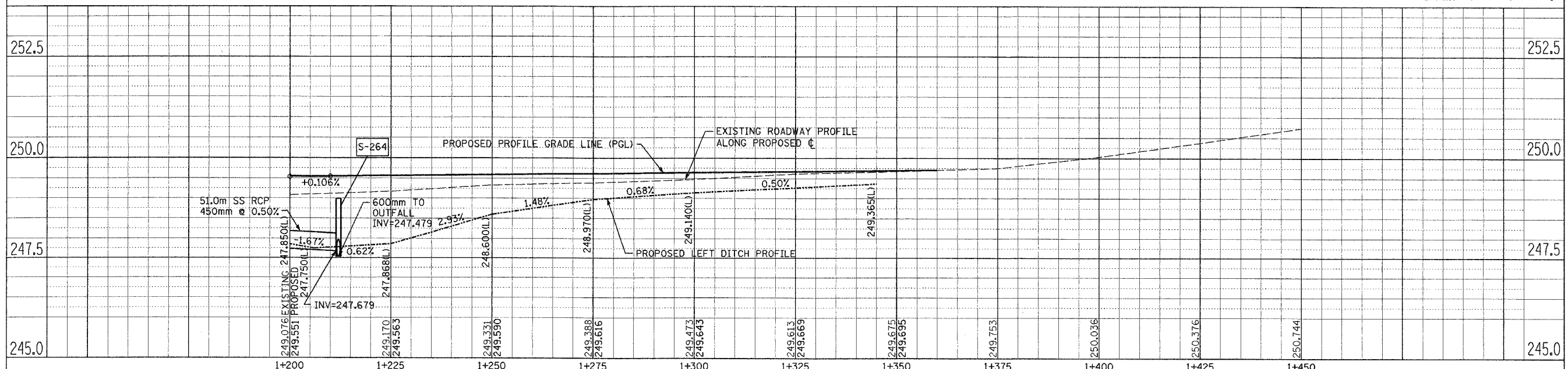
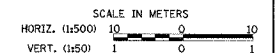
LEGEND	
[ADJ]	STRUCTURE TO BE ADJUSTED
[C]	STRUCTURE TO BE CLEANED
[F]	STRUCTURE TO BE FILLED
[R]	STRUCTURE TO BE REMOVED
[REC]	STRUCTURE TO BE RECONSTRUCTED



EXISTING



PROPOSED



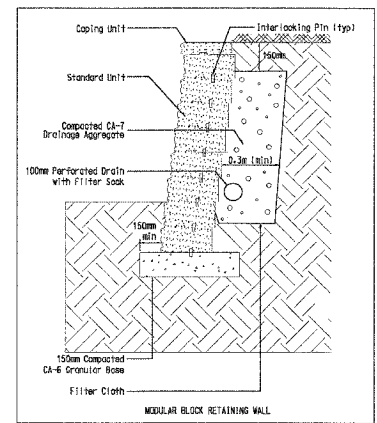
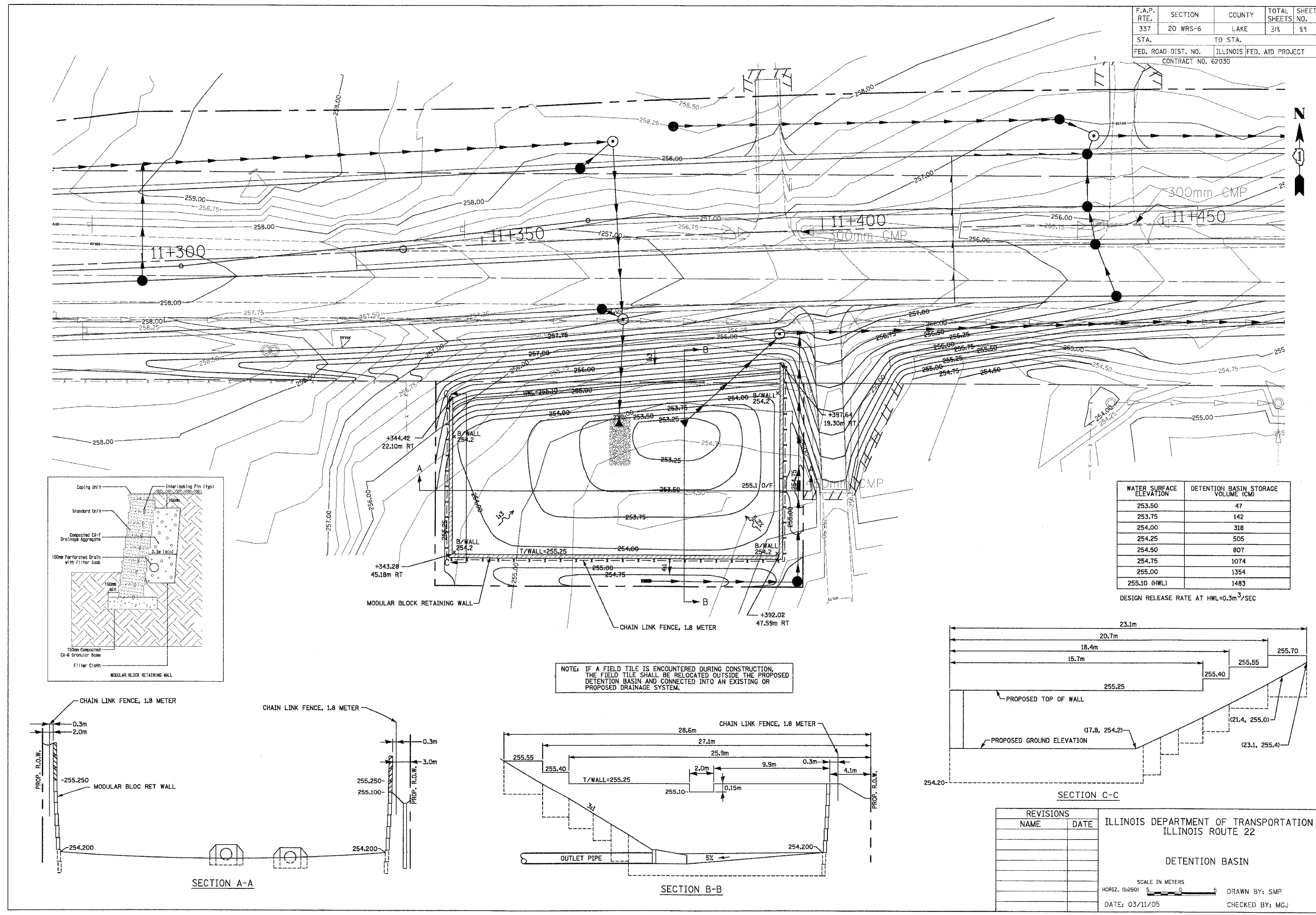
DRAINAGE AND UTILITIES QUENTIN ROAD STA. 1+200 TO STA. 1+450

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

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



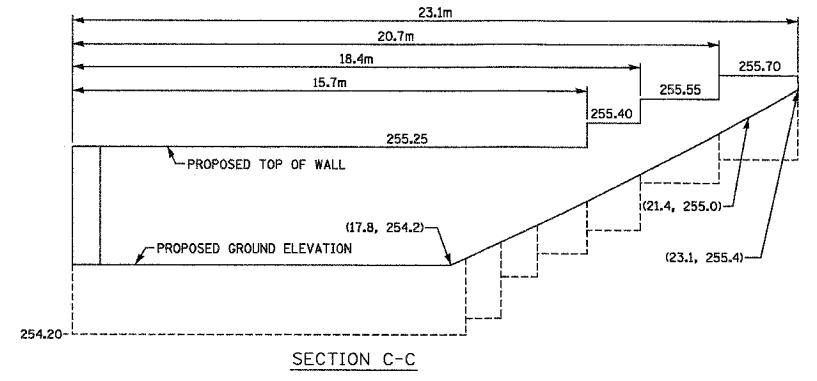
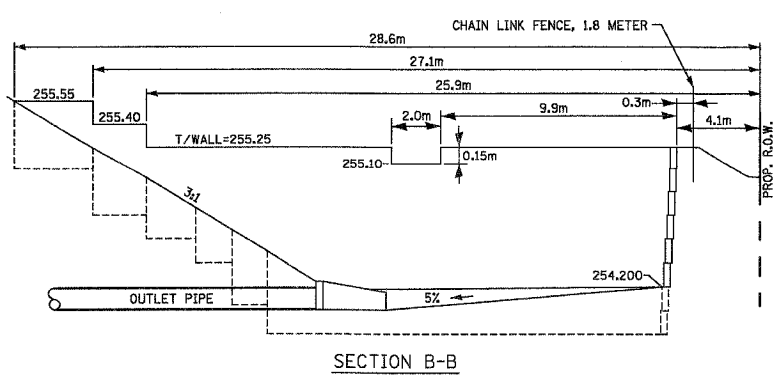
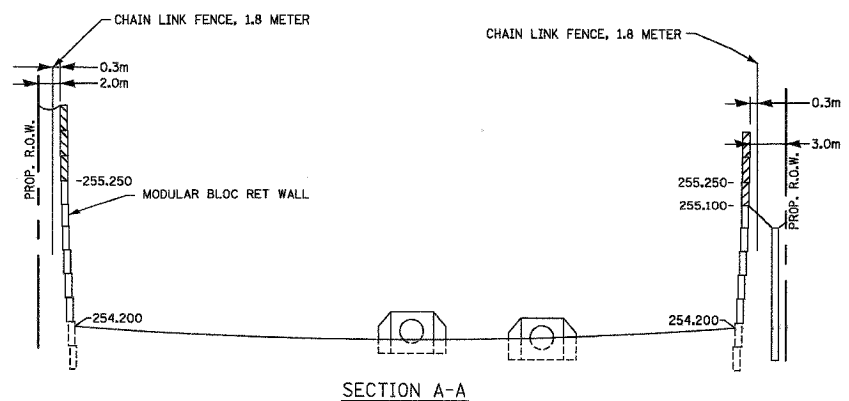
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	20 WRS-6	LAKE	318	59
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 62030				



WATER SURFACE ELEVATION	DETENTION BASIN STORAGE VOLUME (CM)
253.50	47
253.75	142
254.00	318
254.25	505
254.50	807
254.75	1074
255.00	1354
255.10 (HWL)	1483

DESIGN RELEASE RATE AT HWL=0.3m<sup>3</sup>/SEC

NOTE: IF A FIELD TILE IS ENCOUNTERED DURING CONSTRUCTION, THE FIELD TILE SHALL BE RELOCATED OUTSIDE THE PROPOSED DETENTION BASIN AND CONNECTED INTO AN EXISTING OR PROPOSED DRAINAGE SYSTEM.



REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION ILLINOIS ROUTE 22
NAME	DATE	
		DETENTION BASIN

SCALE IN METERS  
 HORIZ. (1:250) DRAWN BY: SMP  
 DATE: 03/11/05 CHECKED BY: MGJ

STRUCT. NO.	STATION	OFFSET(m)	STRUCTURE TYPE	RIM	INVERT			
					NORTH	SOUTH	EAST	WEST
S-1	10+231	15.5	LT CB TC T8G	266.500	-	265.980	-	-
S-2	10+210	10.4	RT CB A 1.2M D T24F&G	266.955	265.685	265.655	-	-
S-3	10+212	13.0	RT MAN A 1.5D T1F CL	266.965	265.632	-	265.574	265.835
S-4	10+231	10.4	LT INLETS TB T24F&G	266.841	265.957	265.947	-	-
S-5	10+231	2.7	LT CB A 1.2M D T24F&G	267.002	265.911	265.881	-	-
S-6	10+230	2.7	RT CB A 1.2M D T24F&G	267.007	265.859	265.829	-	-
S-7	10+229	10.4	RT CB A 1.2M D T24F&G	266.900	265.795	265.765	-	-
S-8	10+242	10.4	RT CB A 1.2M D T24F&G	266.809	-	265.754	-	-
S-9	10+251	10.4	LT INLETS TA T24F&G	266.794	-	-	265.773	-
S-10	10+255	10.4	LT CB A 1.2M D T24F&G	266.793	-	265.727	265.757	-
S-11	10+259	10.4	LT INLETS TA T24F&G	266.794	-	-	-	265.773
S-12	10+255	2.7	LT CB A 1.2M D T24F&G	266.945	265.693	265.663	-	-
S-13	10+255	0.9	RT CB A 1.2M D T24F&G	266.972	265.650	265.620	-	-
S-14	10+251	10.4	RT INLETS TA T24F&G	266.794	-	-	265.592	-
S-15	10+255	10.4	RT CB A 1.2M D T24F&G	266.793	265.577	265.547	265.577	-
S-16	10+259	10.4	RT INLETS TA T24F&G	266.794	-	-	-	265.592
S-17	10+255	13.0	RT MAN A 1.5D T1F CL	266.813	265.531	-	265.501	265.531
S-18	10+277	10.4	LT CB A 1.2M D T24F&G	266.841	-	265.870	-	-
S-19	10+277	2.7	LT CB A 1.2M D T23F&G	266.933	265.835	265.805	-	-
S-20	10+292	13.0	RT MAN A 1.8D T1F CL R-P	266.935	-	-	265.464	265.464
S-21	10+277	10.4	RT CB A 1.2M D T24F&G	266.841	265.719	265.689	-	-
S-22	10+296	13.0	RT MAN SP 1.8D	266.955	-	-	265.430	265.456
S-23	10+299	13.0	RT MAN A 1.8D T1F CL	266.970	265.526	265.395	265.485	265.425
S-24	10+306	13.0	RT INLETS 1.2M D SP	267.005	265.674	-	265.565	265.515
S-25	10+315	10.4	LT CB A 1.2M D T24F&G	267.030	-	265.830	-	-
S-26	10+307	10.4	RT CB A 1.2M D T24F&G	266.990	265.723	265.693	-	-
S-27	10+337	13.0	RT MAN A 1.2D T1F CL	267.160	265.794	-	-	265.726
S-28	10+360	10.4	LT CB A 1.2M D T24F&G	267.255	-	266.055	-	-
S-29	10+358	2.7	LT CB A 1.2M D T24F&G	267.397	266.019	265.989	-	-
S-30	10+357	0.3	RT CB A 1.2M D T24F&G	267.392	265.977	-	-	265.947
S-31	10+339	10.4	RT CB A 1.2M D T24F&G	267.150	-	265.818	265.848	-
S-32	10+466	10.4	LT CB A 1.2M D T24F&G	266.589	264.811	264.781	-	-
S-32A	10+473	15.5	LT CB TC T8G	265.750	-	-	-	-
S-33	10+466	2.7	LT CB A 1.2M D T24F&G	266.741	264.747	264.717	-	-
S-34	10+466	2.7	RT CB A 1.2M D T24F&G	266.741	264.694	264.664	-	-
S-35	10+466	10.4	RT CB A 1.2M D T24F&G	266.589	264.630	264.600	-	-
S-36	10+468	13.0	RT MAN A 1.5D T1F CL	266.568	264.577	-	262.288	-
S-37	10+542	10.4	LT CB A 1.2M D T24F&G	264.676	-	263.476	-	-
S-37A	10+562	11.6	LT EXISTING MH	264.268	-	-	262.743	263.120(EX)
S-38	10+542	10.4	RT INLETS TB T24F&G	264.676	263.375	263.345	-	-
S-39	10+544	13.0	RT MAN A 1.5D T1F CL	264.644	263.321	-	262.153	262.213
S-39A	10+572	14.0	RT CB TC T8G	263.500	262.284	-	-	-
S-40	10+593	10.4	LT CB A 1.2M D T24F&G	263.517	-	262.317	-	262.377
S-40A	10+587	13.0	RT MAN A 1.8D T1F CL R-P	263.637	-	-	262.051	262.111
S-41	10+593	2.7	LT CB A 1.2M D T24F&G	263.669	262.249	262.219	-	-
S-42	10+593	2.7	RT CB A 1.2M D T24F&G	263.669	262.174	262.144	-	-
S-43	10+590	10.4	RT INLETS TA T24F&G	263.566	-	-	262.762	-
S-44	10+593	8.0	RT CB A 1.2M D T1F CL	263.509	262.100	262.070	-	262.602
S-45	10+596	13.0	RT MAN A 1.5D T1F CL	263.491	261.932	-	261.355	261.955
S-46	10+600	13.0	RT MAN SP 1.8D	263.433	-	-	261.177	261.327
S-47	10+604	13.0	RT MAN A 1.8D T8G	263.380	-	260.462	-	261.151
S-48	10+630	10.4	RT INLETS TA T24F&G	263.136	262.461	-	-	-
S-49	10+630	10.4	LT CB A 1.2M D T24F&G	263.136	261.966	261.996	-	-
S-50	10+632	15.0	LT MAN A 1.2D T1F CL	263.146	-	261.925	261.770	262.238
S-51	10+675	10.4	RT INLETS TA T24F&G	262.911	261.711	-	-	-
S-52	10+675	2.7	RT CB A 1.2M D T24F&G	263.063	261.645	261.675	-	-
S-53	10+675	2.7	LT CB A 1.2M D T24F&G	263.063	261.593	261.623	-	-
S-54	10+675	10.4	LT CB A 1.2M D T24F&G	262.911	261.529	261.559	-	-
S-55	10+677	13.0	LT MAN A 1.2D T1F CL	262.865	-	261.505	261.269	261.329
S-56	10+713	10.4	RT INLETS TA T24F&G	262.721	261.521	-	-	-
S-57	10+720	10.4	LT CB A 1.2M D T24F&G	262.686	261.354	261.414	261.485	-
S-58	10+722	13.0	LT MAN A 1.2D T1F CL	262.640	-	261.330	260.768	260.828
S-59	10+728	0.8	RT INLETS TA T24F&G	262.827	261.643	-	-	-
S-60	10+728	2.7	LT CB A 1.2M D T24F&G	262.798	-	261.628	-	261.598
S-61	10+751	10.4	RT INLETS TA T24F&G	262.531	261.331	-	-	-
S-62	10+759	2.7	LT CB A 1.2M D T23F&G	262.643	261.229	261.259	-	-
S-63	10+762	10.4	LT CB A 1.2M D T24F&G	262.476	261.162	261.192	-	-
S-64	10+764	13.0	LT MAN A 1.2D T1F CL	262.430	-	261.138	260.091	260.151
S-65	10+783	18.0	LT CB A 1.2M D T8G	262.150	-	261.250	-	-
S-66	10+785	15.5	LT MAN A 1.2D T1F CL	262.133	261.227	-	259.727	259.787
S-67	10+783	10.4	RT INLETS TA T24F&G	262.364	-	-	261.528	-
S-67A	10+786	13.3	RT CB A 1.2M D T8G	262.065	261.327	-	-	261.353
S-68	10+794	2.7	LT CB A 1.2M D T23F&G	262.430	260.957	260.987	-	-
S-69	10+799	16.0	LT MAN A 1.2D T24F&G	261.907	-	260.824	259.471	259.531
S-70	10+803	17.4	LT MAN A 1.2D T24F&G	261.845	-	-	259.391	259.421
S-71	10+813	22.6	RT CB A 1.2M D T24F&G	262.058	261.169	-	-	-
S-72	10+810	14.5	RT CB A 1.2M D T24F&G	262.009	-	261.130	-	261.100
S-73	10+835	21.9	LT MAN A 1.5D T24F&G	261.760	260.734	260.562	258.860	258.920
S-73A	10+839	24.1	LT CB TC T8G	261.600	-	260.600	-	-
S-74	10+842	13.3	RT CB A 1.2M D T24F&G	261.600	260.400	-	-	-
S-75	10+846	11.0	LT CB A 1.2M D T24F&G	261.561	260.251	260.281	-	-
S-76	10+849	13.0	LT MAN A 1.2D T1F CL	261.487	-	260.224	258.565	258.625
S-77	10+874	10.4	RT CB A 1.2M D T24F&G	261.133	259.933	-	-	-
S-78	10+877	10.4	LT CB A 1.2M D T24F&G	261.238	259.802	259.832	-	-
S-79	10+879	13.0	LT MAN A 1.2D T1F CL	261.017	-	-	258.068	258.128
S-79A	10+893	13.0	LT MAN A 1.5D T1F CL	260.952	259.747	-	257.813	257.873
S-80	10+906	10.4	RT CB A 1.2M D T24F&G	260.635	259.435	-	-	-
S-81	10+907	2.7	RT CB A 1.2M D T23F&G	260.772	259.370	259.400	-	-
S-82	10+911	10.4	LT CB A 1.2M D T24F&G	260.557	259.276	259.306	-	-
S-83	10+912	13.0	LT MAN A 1.5D T1F CL	260.618	-	259.258	257.610	257.670
S-84	10+939	10.4	RT INLETS TA T24F&G	260.121	-	-	258.895	-
S-85	10+944	10.4	RT CB A 1.2M D T24F&G	260.043	258.843	-	-	258.873
S-86	10+949	10.4	LT CB A 1.2M D T24F&G	259.965	258.710	258.740	-	-
S-87	10+951	13.0	LT MAN A 1.5D T1F CL	259.898	-	258.687	257.360	257.420

STRUCT. NO.	STATION	OFFSET(m)	STRUCTURE TYPE	RIM	INVERT			
					NORTH	SOUTH	EAST	WEST
S-88	11+020	10.4	RT CB A 1.2M D T24F&G	258.860	257.660	-	-	-
S-89	11+022	2.7	RT CB A 1.2M D T24F&G	258.980	257.594	257.624	-	-
S-90	11+023	2.7	LT CB A 1.2M D T24F&G	258.965	257.541	257.571	-	-
S-91	11+025	10.4	LT CB A 1.2M D T24F&G	258.783	257.476	257.506	-	-
S-92	11+028	13.0	LT MAN A 1.5D T1F CL	258.702	257.165	257.446	256.920	256.980
S-93	11+031	16.4	LT CB TC T8G	258.100	-	257.200	-	-
S-94	11+071	10.4	RT CB A 1.2M D T24F&G	258.329	257.129	-	-	-
S-95	11+073	2.7	RT CB A 1.2M D T24F&G	258.467	257.063	257.093	-	-
S-96	11+074	2.7	LT CB A 1.2M D T24F&G	258.460	257.010	257.040	-	-
S-97	11+075	10.4	LT CB A 1.2M D T24F&G	258.301	256.946	256.976	-	-
S-98	11+077	13.0	LT MAN A 1.5D T1F CL	258.251	-	256.923	256.620	256.680
S-99	11+122	10.4	RT CB A 1.2M D T24F&G	258.001	256.801	-	-	-
S-100	11+125	10.4	LT CB A 1.2M D T24F&G	257.986	256.670	-	256.700	-
S-101	11+127	13.0	LT MAN A 1.5D T1F CL	257.940	-	256.647	256.315	256.375
S-102	11+144	2.7	LT CB A 1.2M D T24F&G	258.043	256.479	256.502	-	-
S-103	11+144	0.1	RT CB A 1.2M D T24F&G	258.082	256.511	256.541	-	-
S-104	11+154	10.4	RT CB A 1.2M D T24F&G	257.809	256.609	-	-	-
S-105	11+157	10.4	LT CB A 1.2M D T24F&G	257.795	256.336	-	-	-
S-106	11+174	10.4	LT INLETS TA T24F&G	257.752	-	-	256.442	-
S-107	11+178	10.4	LT CB A 1.2M D T24F&G	257.750	-	256.425	256.365	256.425
S-108	11+182	10.4	LT CB A 1.2M D T24F&G	257.751	256.319	-	-	256.349
S-109	11+178	2.7	LT CB A 1.2M D T23F&G	257.902	256.459	256.489	-	-
S-110	11+171	10.4	RT INLETS TA T24F&G	257.755	-	-	256.779	-
S-111	11+178	10.4	RT CB A 1.2M D T24F&G	257.750	256.550	256.717	256.747	256.747
S-112	11+182	10.4	RT INLETS TA T24F&G	257.751	-	-	-	256.764
S-113	11+178	12.8	RT CB TC T8G	257.600	256.735	-	-	-
S-114	11+184	13.5	LT MAN A 1.5D T1F CL	257.663	-	256.292	255.955	256.030
S-115	11+195	10.4	RT CB A 1.2M D T24F&G	257.778	256.578	-	-	-
S-116	11+199	10.4	LT CB A 1.2M D T24F&G	257.794	256.094	256.476	-	-
S-117	11+237	16.2	RT INLETS TA T24F&G	257.862	-	-	256.662	-
S-11								



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	20 WRS-6	LAKE	318	92
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 62030				

NO.	LENGTH (m)	MATERIAL	TYPE	DIA. (mm)	SLOPE %	TBF (CU. M.)
P-1	10.0	SS RCP	1	300	0.50	0.0
P-2	2.3	SS RCP	2	300	1.00	0.7
P-3	17.0	SS RCP	1	675	0.10	0.0
P-4	7.0	SS RCP	1	300	0.50	1.3
P-4A	4.6	SS RCP	1	300	0.50	0.4
P-5	4.6	SS RCP	1	300	0.50	1.4
P-6	6.9	SS RCP	1	300	0.50	2.2
P-7	2.2	SS RCP	1	300	1.00	0.6
P-8	11.0	SS RCP	1	675	0.10	0.0
P-9	2.2	SS RCP	1	300	1.00	0.5
P-10	7.0	SS RCP	1	675	0.10	0.0
P-11	3.4	SS RCP	1	300	0.50	0.7
P-12	3.4	SS RCP	1	300	0.50	0.7
P-13	6.8	SS RCP	1	300	0.50	2.2
P-14	2.7	SS RCP	2	300	0.50	1.2
P-15	8.6	SS RCP	2	300	0.50	3.8
P-16	3.4	SS RCP	1	300	0.50	1.2
P-17	3.4	SS RCP	1	300	0.50	1.2
P-18	1.6	SS RCP	1	300	1.00	0.7
P-19	20.0	SS RCP	1	675	0.10	0.0
P-20	6.8	SS RCP	1	300	0.50	1.7
P-21	2.6	SS RCP	1	450	0.50	0.0
P-22	12.2	SS RCP	1	300	0.50	4.0
P-23	2.2	SS RCP	1	300	1.00	0.6
P-24	13.0	SS RCP	1	675	0.10	0.0
P-25	1.6	SS RCP	2	450	0.50	0.0
P-26	29.0	SS RCP	1	600	0.40	14.2
P-27	5.9	SS RCP	2	300	0.50	0.0
P-28	21.4	SS RCP	1	300	0.50	9.8
P-29	1.9	SS RCP	2	300	1.00	0.7
P-30	30.1	SS RCP	2	300	0.50	0.0
P-31	7.1	SS RCP	2	300	0.50	3.1
P-32	2.3	SS RCP	2	300	0.50	1.2
P-33	19.7	SS RCP	2	300	0.50	10.2
P-34	2.4	SS RCP	2	300	1.00	0.8
P-35	6.8	SS RCP	2	300	0.50	10.3
P-35A	8.0	SS RCP	2	300	0.50	1.3
P-36	4.5	SS RCP	2	300	0.50	7.7
P-37	6.8	SS RCP	2	300	0.50	11.4
P-38	2.3	SS RCP	2	300	1.00	2.0
P-39	74.9	SS RCP	3	600	0.10	0.0
P-40	20.1	SS RCP	2	300	0.50	9.5
P-41	2.4	SS RCP	2	300	1.00	0.7
P-41A	26.4	SS RCP	2	600	0.10	0.0
P-41B	1.0	SS RCP	1	300	1.00	0.0
P-42	13.3	SS RCP	2	600	0.10	0.0
P-42A	7.8	SS RCP	2	450	2.00	0.0
P-43	6.8	SS RCP	2	300	1.00	3.3
P-43A	31.0	SS RCP	2	300	1.18	14.9
P-44	4.5	SS RCP	2	300	1.00	5.2
P-45	4.4	SS RCP	2	300	1.00	5.6
P-46	3.2	SS RCP	1	300	5.00	0.2
P-47	4.8	SS RCP	2	300	2.85	6.6
P-48	2.8	SS RCP	2	600	1.00	0.0
P-49	2.6	SS RCP	2	600	1.00	0.0
P-50	20.2	SS D I	1	300	2.30	3.6
P-51	4.1	SS RCP	1	300	1.00	2.9
P-51A	3.7	STORM SEW WM REQ	1	450	1.00	0.0
P-52	44.1	SS RCP	2	450	1.00	11.8
P-53	7.1	SS RCP	2	300	0.50	3.1
P-54	4.5	SS RCP	2	300	0.50	2.5
P-55	6.8	SS RCP	2	300	0.50	3.7
P-56	2.4	SS RCP	2	300	1.00	0.8
P-57	44.1	SS RCP	2	450	1.00	0
P-58	21.3	SS RCP	1	300	0.50	9.8
P-59	2.4	SS RCP	2	300	1.00	0.8
P-60	2.9	SS RCP	1	300	0.50	1.0
P-61	10.2	SS RCP	1	300	1.10	3.7
P-62	41.1	SS RCP	2	450	1.50	0.0
P-63	14.7	SS RCP	2	300	0.50	6.4
P-64	7.4	SS RCP	2	300	0.50	3.6
P-65	2.4	SS RCP	2	300	1.00	0.8
P-66	20.2	SS RCP	2	450	1.50	0.0
P-67	2.3	SS RCP	1	300	1.00	0.0
P-68	13.1	SS RCP	2	450	1.50	16.5
P-69	17.0	SS D I	1	300	2.00	6.6
P-69A	3.5	SS RCP	1	300	5.00	1.2
P-70	13.3	SS RCP	2	300	1.00	5.8
P-71	3.3	SS RCP	2	450	1.50	7.8
P-72	7.7	SS RCP	1	300	0.50	0.7
P-73	22.6	SS RCP	2	300	0.50	7.8
P-74	31.3	SS RCP	2	450	1.50	90.4
P-74A	3.8	SS RCP	1	300	1.00	0.6
P-75	15.6	STORM SEW WM REQ	2	450	1.50	4.5
P-76	23.7	SS RCP	1	300	0.50	11.0
P-77	2.7	SS RCP	2	300	1.00	1.0
P-78	29.1	SS RCP	2	450	1.50	0.0
P-79	20.1	SS RCP	2	300	0.50	10.4
P-80	2.4	SS RCP	2	300	1.00	0.8
P-81	13.0	SS RCP	2	450	1.50	0.0
P-82	17.9	SS RCP	2	525	0.80	0.0
P-83	6.9	SS RCP	2	300	0.50	3.0
P-84	12.8	SS RCP	2	300	0.50	6.1

NO.	LENGTH (m)	MATERIAL	TYPE	DIA. (mm)	SLOPE %	TBF (CU. M.)
P-85	1.8	SS RCP	2	300	1.00	0.7
P-86	37.9	SS RCP	2	525	0.50	63.5
P-87	4.4	SS RCP	1	300	0.50	1.6
P-88	20.5	SS RCP	1	300	0.50	9.0
P-89	2.3	SS RCP	1	300	1.00	0.7
P-90	75.9	SS RCP	2	525	0.50	22.6
P-91	7.1	SS RCP	2	300	0.50	3.0
P-92	4.6	SS RCP	2	300	0.50	2.4
P-93	7.1	SS RCP	2	300	0.50	3.5
P-94	3.0	SS RCP	2	300	1.00	1.2
P-95	3.8	SS RCP	2	300	1.00	0.0
P-96	47.9	SS RCP	2	600	0.50	15.9
P-97	7.1	SS RCP	2	300	0.50	3.1
P-98	4.6	SS RCP	2	300	0.50	2.5
P-99	6.9	SS RCP	2	300	0.50	3.6
P-100	2.3	SS RCP	2	300	1.00	0.9
P-101	48.9	SS RCP	2	600	0.50	0.0
P-102	20.1	SS RCP	1	300	0.50	9.4
P-103	2.3	SS RCP	2	300	1.00	0.8
P-104	15.4	SS RCP	2	600	0.50	0.0
P-105	9.9	SS RCP	2	300	1.00	10.6
P-106	1.9	SS RCP	2	300	0.50	2.0
P-107	13.5	SS RCP	2	300	0.50	6.9
P-108	10.9	SS RCP	2	600	0.50	0.0
P-109	2.1	SS RCP	2	300	1.00	0.6
P-110	25.4	SS RCP	2	600	0.50	0.0
P-111	3.4	SS RCP	2	300	0.50	1.6
P-112	3.1	SS RCP	2	300	0.50	1.7
P-113	6.8	SS RCP	2	300	0.50	3.6
P-114	12.2	SS RCP	2	300	0.50	5.6
P-115	6.4	SS RCP	1	300	0.50	1.2
P-116	3.4	SS RCP	1	300	0.50	0.6
P-117	1.8	SS RCP	1	300	1.00	0.3
P-118	2.7	SS RCP	2	300	1.00	0.8
P-119	13.4	SS RCP	2	675	0.50	0.0
P-120	20.3	SS RCP	2	300	0.50	9.8
P-121	2.6	SS RCP	2	300	1.00	1.1
P-122	44.9	SS RCP	2	675	0.50	62.3
P-123	4.5	SS RCP	2	300	5.00	5.4
P-124	30.4	SS RCP	2	675	0.50	13.7
P-125	18.1	STORM SEW WM REQ	2	300	0.50	8.8
P-126	12.9	STORM SEW WM REQ	2	300	0.50	7.5
P-127	8.2	SS RCP	2	300	0.50	10.5
P-128	15.0	SS RCP	2	300	0.50	22.7
P-129	3.1	SS RCP	2	300	1.00	1.8
P-130	19.4	SS RCP	2	675	0.50	0.0
P-131	15.9	SS RCP	2	300	5.00	30.3
P-132	68.4	SS RCP	2	675	0.50	0.0
P-133	5.2	SS RCP	1	300	1.00	0.6
P-134	24.8	SS RCP	2	675	0.50	90.8
P-135	2.3	SS RCP	1	300	1.00	1.2
P-136	15.0	SS RCP	3	900	0.55	0.0
P-137	22.4	SS RCP	2	375	0.75	0.0
P-138	13.5	SS RCP	2	375	0.75	0.0
P-139	21.4	STORM SEW WM REQ	3	375	1.00	0.0
P-140	18.3	STORM SEW WM REQ	3	525	0.70	0.0
P-141	97.8	SS RCP	3	600	0.93	11.7
P-142	55.4	SS RCP	2	300	2.00	15.3
P-143	4.7	SS RCP	2	300	1.50	0.0
P-144	7.4	SS RCP	2	300	0.50	3.5
P-145	4.6	SS RCP	2	300	0.50	2.9
P-146	6.8	SS RCP	2	300	0.50	4.3
P-147	1.9	SS RCP	2	300	1.00	0.9
P-148	69.1	SS RCP	2	375	1.50	34.2
P-149	96.9	SS RCP	2	600	0.93	11.7
P-150	8.8	SS RCP	2	300	0.50	4.1
P-151	2.6	SS RCP	2	300	0.50	1.5
P-152	8.3	SS RCP	2	300	0.50	4.3
P-153	1.7	SS RCP	1	300	1.00	0.5
P-153A	1.6	SS RCP	2	300	1.00	0.0
P-154	31.1	SS RCP	2	450	1.50	0.0
P-154A	32.2	SS RCP	2	450	1.50	11.1
P-155	12.5	SS RCP	2	300	0.50	5.4
P-156	10.5	SS RCP	2	300	0.50	4.4
P-157	1.7	SS RCP	1	300	1.00	0.4
P-157A	1.7	SS RCP	1	300	1.00	0.0
P-158	11.1	SS RCP	2	300	0.50	2.1
P-159	1.2	SS RCP	2	300	1.00	1.6
P-160	46.0	SS RCP	2	600	0.96	56.5
P-161	28.0	SS RCP	1	450	1.50	16.5
P-162	2.3	SS RCP	1	300	1.00	0.7
P-163	30.0	SS RCP	1	450	1.50	0.0
P-164	4.1	SS RCP	1	300	0.50	1.5
P-165	3.4	SS RCP	1	300	0.50	0.4
P-166	2.4	SS RCP	1	450	1.50	0.0
P-167	5.7	SS RCP	1	300	5.00	0.4
P-167A	3.0	SS RCP	2	675	0.50	0.0
P-168	3.8	SS RCP	2	300	1.00	2.1
P-169	11.1	SS RCP	1	300	0.50	4.2
P-170	6.8	SS RCP	2	300	0.50	2.8
P-171	5.1	SS RCP	1	300	0.50	2.1
P-172	4.6	SS RCP	1	300	1.00	0.6
P-173	6.9	SS RCP	1	300	1.00	0.0

NO.	LENGTH (m)	MATERIAL	TYPE	DIA. (mm)	SLOPE %	TBF (CU. M.)
P-174	23.2	SS RCP	2	300	1.00	0.0
P-175	2.4	SS RCP	2	300	1.00	0.7
P-176	9.5	SS RCP	2	300	0.50	4.9
P-177	4.4	SS RCP	2	300	0.50	2.6
P-178	9.2	SS RCP	2	300	0.50	4.4
P-179	8.2	SS RCP	1	300	0.50	2.9
P-180	7.9	SS RCP	2	300	0.50	3.4

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	20 WR-6	LAKE	318	93
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

WATER MAIN RELOCATION															
Station	to	Station	Fire Hydrants to be Moved	Fire Hydrant w/ Auxiliary Valve & Valve Box	Domestic Water Service Boxes to be Moved	Valve Vaults to be Adjusted	Valve Vaults to be Removed	Valve Boxes to be Adjusted	Valve Boxes to be Removed	Trench Backfill	Exploration Trench, Special	Ductile Iron Water Main 150MM	Ductile Iron Water Main 200MM	Ductile Iron Water Main 300MM	
			56400100	56400820	56500200	60265700	60266500	60266600	60266910	M2080150	M2130010	M5610415	M5610420	M5610430	
			Each	Each	Each	Each	Each	Each	Each	Cu M	Meter	Meter	Meter	Meter	
ILLINOIS ROUTE 22															
STA	10+200	to	STA	10+450	2	1			0	0	2	63.7	7.0	0.0	225.0
STA	10+450	to	STA	10+750	1	0			0	0	0	66.0	4.5	3.0	210.2
STA	10+750	to	STA	11+100	1			2							
STA	11+100	to	STA	11+450	0	2			4	1	0	49.2	10.1	0.0	206.8
STA	11+450	to	STA	11+800			1								
PROJECT CONTINGENCY											30.0	30.0			
TOTAL =			4	3	1	2	4	1	2	178.9	30.0	51.6	3.0	642.0	

WATER MAIN RELOCATION										
Station	to	Station	Water Valves 150MM	Water Valves 300MM	Water Service Line, 25MM	Valve Vaults, Type A, 1.5M Diameter, Type 1 Frame Closed Lid	Valve Boxes 150MM	Steel Casings 550MM	Steel Casings 550MM Augered & Jacked	
			M5610635	M5610650	M5620115	M6024410	M6024520			
			Each	Each	Each	Each	Each	Meter	Meter	
ILLINOIS ROUTE 22										
STA	10+200	to	STA	10+450	2	1	1	2	14.0	0.0
STA	10+450	to	STA	10+750	1	1	1	1	25.0	0.0
STA	10+750	to	STA	11+100						
STA	11+100	to	STA	11+450	0	3	3	0	8.0	30.2
STA	11+450	to	STA	11+800						
PROJECT CONTINGENCY					42.0					
TOTAL =			3	5	42.0	5	3	47.0	30.2	

- CORPORATION COCKS AND 1" COPPER LINES FOR THE CHLORINATION AND SAMPLING SHALL BE INSTALLED AT LOCATIONS DETERMINED BY THE VILLAGE UTILITIES DIVISION.
- CHLORINATION WILL NOT BE PERFORMED ON WATER SERVICE LINES UNTIL FIRST ALL PERMANENT WATER VALVES ARE INSTALLED.
- WATER MAIN MATERIALS SHALL BE AS FOLLOWS:
  - PIPE: CLASS 52 DUCTILE IRON, BITUMINOUS COATED & CEMENT LINED, MEGALUGS SERIES 1100 REQUIRED AT ALL FITTINGS. WRAPPING THE WATERMAIN WITH POLYETHYLENE FILM IS NOT PERMITTED.
  - BEDDING: WELL COMPACTED, WASHED, 1/4" TO 3/4" CRUSHED STONE, CA-7, TO 12" OVER THE TOP OF PIPE.
  - FIRE HYDRANTS: CLOW MEDALLION, 5/4", WITH AUXILIARY VALVE  
KENNEDY GUARDIAN, 5/4" WITH AUXILIARY VALVE  
MUELLER CENTURION A-423 WITH AUXILIARY VALVE  
5/4" THREE-WAY (2 HOSE NOZZLES AND 1 PUMPER NOZZLE)  
PAINTED SAFETY RED
  - VALVES: CLOW, AMERICAN FLOW CONTROL  
KENNEDY RESILIENT WEDGE  
AMERICAN FLOW CONTROL AFC SERIES 500 NRS  
RESILIENT WEDGE VALVE UL/FM GENERAL  
MUELLER RESILIENT WEDGE VALVE  
NON-RISING STEM, MECHANICAL JOINT
  - CAST IRON FRAMES & LIDS: NEENAH TYPE 1, SELF SEALING, MARKED "WATER"
  - CASING: MANUFACTURED PIPE CHOCKS MUST BE USED BETWEEN THE PIPE AND CASING  
PEA GRAVEL MUST BE JETTED THROUGH THE CASING, WITH CONCRETE MORTAR ON THE ENDS
  - CORPORATION STOP: MUELLER H-1500-1" SIZE  
AY MCDONALD 4701
  - ROUNDWAY: MUELLER H-15154-1" STOP, MINNEAPOLIS PATTERN  
AY MCDONALD 6104
  - B-BOX: MUELLER H-10300 UPPER SECTION INSIDE DIAMETER 1 1/4"  
MUELLER H-10302 UPPER SECTION INSIDE DIAMETER 1 1/2"
  - SERVICE LINE: 1" TYPE K COPPER
  - TAPPING SADDLE: DOUBLE BANDED STAINLESS STEEL TAPPING SLEEVE WITH CORPORATION STOP
  - HARDWARE: ALL NUTS AND BOLTS BELOW GRADE SHALL BE STAINLESS STEEL

**WATER MAIN NOTES**

- LOCATIONS AND ELEVATIONS FOR PROPOSED WATER MAIN RELOCATIONS ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING FINAL LOCATIONS AND ELEVATIONS WITH PROPOSED ROADWAY AND DRAINAGE IMPROVEMENTS AS WELL AS PRIVATE UTILITY RELOCATIONS, SUBJECT TO APPROVAL BY THE VILLAGE.
- ALL EXISTING WATER SERVICES SHALL BE RECONNECTED TO THE NEW WATER MAIN PRIOR TO REMOVAL OR ABANDONMENT OF THE EXISTING MAIN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION AND ELEVATION OF EXISTING SERVICES AND FOR SEQUENCING THE WORK TO AVOID DISRUPTION OF SERVICE. CONTINGENCY QUANTITIES OF EXPLORATION TRENCH, SPECIAL AND 150mm WATER MAIN HAVE BEEN PROVIDED FOR THIS PURPOSE.
- WATER MAIN SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR WATER & SEWER MAIN CONSTRUCTION IN ILLINOIS (FIFTH EDITION), THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (IDOT), THE SPECIAL PROVISIONS, AND VILLAGE REQUIREMENTS.
- CONTRACTOR SHALL NOTIFY THE VILLAGE UTILITIES SUPERINTENDENT 48 HOURS PRIOR TO ANY WATER MAIN WORK.
- CONTRACTOR SHALL CONFIRM ALL EXISTING UTILITY LOCATIONS AND ELEVATIONS PRIOR TO CONSTRUCTING.
- SEPARATION OF WATER AND SEWER MAIN SHALL MEET THE REQUIREMENTS OF ARTICLE 41-2 OF THE STANDARD SPECIFICATIONS FOR WATER & SEWER MAIN CONSTRUCTION IN ILLINOIS.
- ANY DAMAGE TO EXISTING UTILITIES TO REMAIN DONE BY THE CONTRACTOR SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- EXISTING WATER MAINS INDICATED FOR ABANDONMENT OR REMOVAL SHALL BE CAPPED AND ABANDONED IN-PLACE WHEREVER POSSIBLE. ANY WATER MAIN REMOVAL REQUIRED IN ORDER TO CONSTRUCT REPLACEMENT WATER MAIN SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE NEW WATER MAIN.
- ALL WATER MAIN SHALL BE CONSTRUCTED WITH A MINIMUM OF 1.7 m OF COVER TO THE PROPOSED GROUND SURFACE, UNLESS NOTED OTHERWISE.
- WATER MAIN SHALL BE PRESSURE AND LEAKAGE TESTED, DISINFECTED, AND FLUSHED IN ACCORDANCE WITH ARTICLE 41-2 OF THE STANDARD SPECIFICATIONS FOR SEWER & WATER MAIN CONSTRUCTION IN ILLINOIS.
- ALL TESTING AND CONNECTIONS TO THE VILLAGE SYSTEMS SHALL BE WITNESSED BY VILLAGE UTILITY DIVISION PERSONNEL.
- ONCE MAINS ARE TIED TO THE VILLAGE SYSTEM, NO VALVES OR HYDRANTS SHALL BE OPERATED BY ANYONE OTHER THAN VILLAGE UTILITY DIVISION PERSONNEL. ONLY VILLAGE UTILITIES PERSONNEL MAY OPERATE EXISTING WATER VALVES.
- WATER FOR PRESSURE TESTS WILL BE SUPPLIED BY THE VILLAGE UTILITIES DIVISION, BUT IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE A BACKFLOW PREVENTER OR AN APPROVED ANTI-SIPHON METHOD BEFORE THE PUMP.

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

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

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Chicago, Illinois 60631  
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REVISIONS	
NAME	DATE

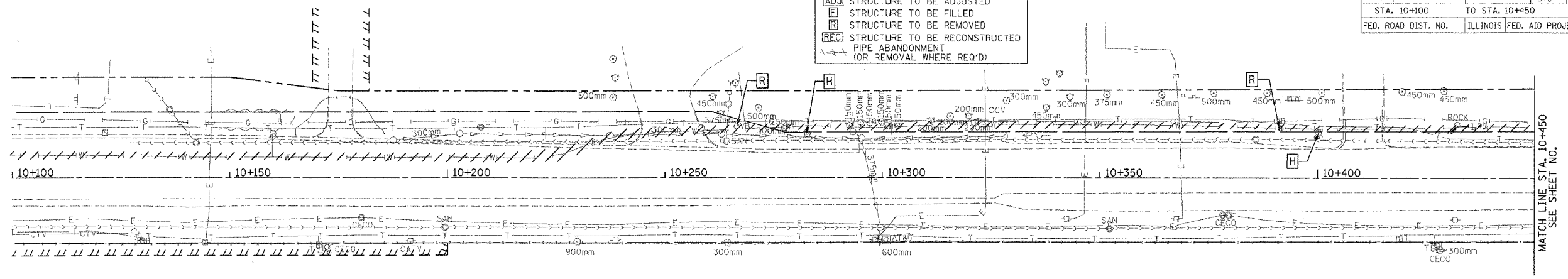
ILLINOIS DEPARTMENT OF TRANSPORTATION  
ILLINOIS ROUTE 22  
E. OF BUESCHING RD TO QUENTIN RD  
SCHEDULES  
WATER MAIN RELOCATION  
DRAWN BY: JHH  
CHECKED BY: WS  
DATE: 3-11-05

CONTRACT NO. 62030

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	20 WRS-6	LAKE	3/8	94
STA. 10+100		TO STA. 10+450		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

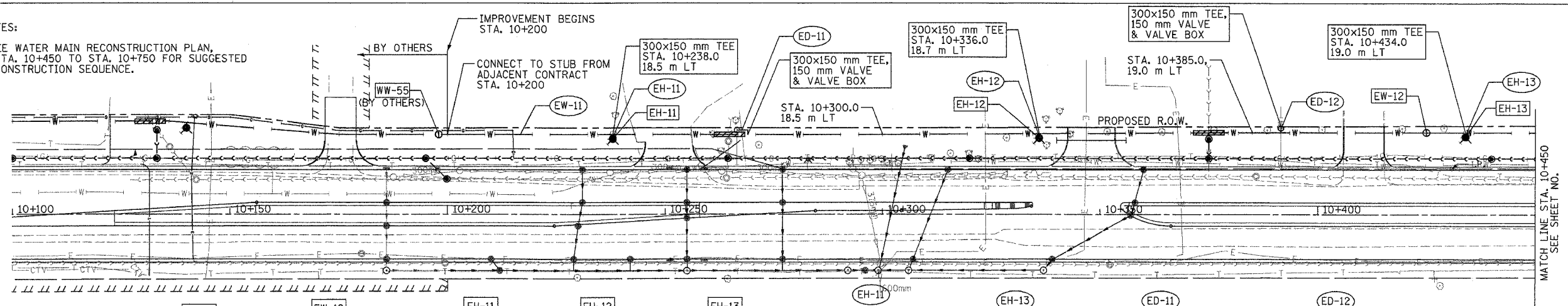
**LEGEND**

- [H] FIRE HYDRANT TO BE MOVED
- [ADJ] STRUCTURE TO BE ADJUSTED
- [F] STRUCTURE TO BE FILLED
- [R] STRUCTURE TO BE REMOVED
- [REC] STRUCTURE TO BE RECONSTRUCTED
- PIPE ABANDONMENT (OR REMOVAL WHERE REQ'D)



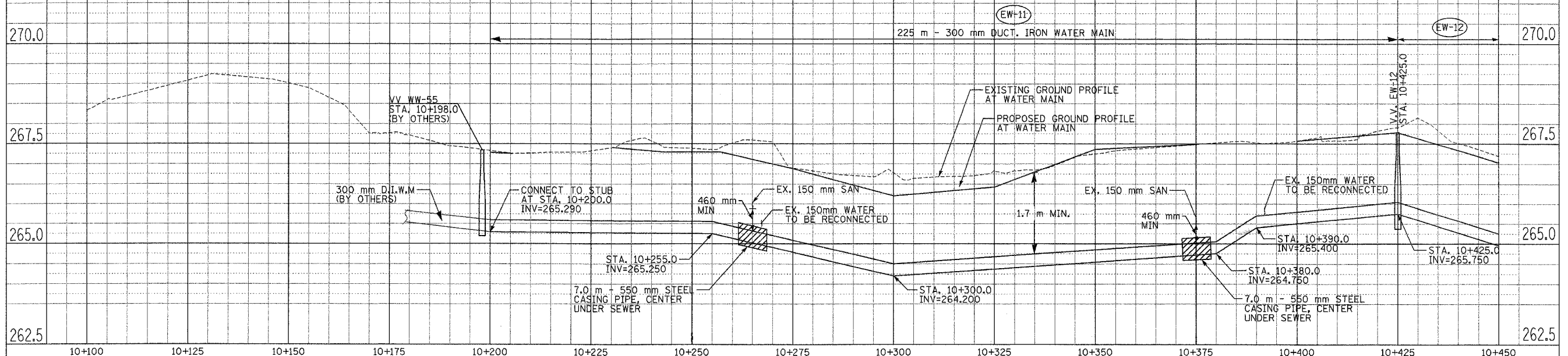
**NOTES:**

1. SEE WATER MAIN RECONSTRUCTION PLAN, STA. 10+450 TO STA. 10+750 FOR SUGGESTED CONSTRUCTION SEQUENCE.



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[ ] STRUCTURE/HYDRANT/FITTING	[ ] PIPE	EW-12 WATER VALVE 300MM IN VALVE VAULT, TY. A 1.5M DIA. TY. 1 FR & CL STA. 10+425.0 19.0 m LT RIM=267.78	EH-11 NEW FIRE HYDRANT LOCATION STA. 10+238.0 17.5 m LT	EH-12 FIRE HYDRANT W/ AUXILIARY VALVE & VALVE BOX STA. 10+336.0 17.5 m LT	EH-13 NEW FIRE HYDRANT LOCATION STA. 10+434.0 18.0 m LT	EH-11 1.0 m - 150 mm DUCT. IRON WATER MAIN	EH-12 1.0 m - 150 mm DUCT. IRON WATER MAIN	EH-11 2.5 m - 150 mm DUCT. IRON WATER MAIN CONNECT TO EXISTING SERVICE AT PROPERTY LINE VERIFY LOCATION & ELEVATION IN FIELD	ED-12 1.5 m - 150 mm DUCT. IRON WATER MAIN CONNECT TO EXISTING SERVICE AT PROPERTY LINE VERIFY LOCATION & ELEVATION IN FIELD
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**WATER MAIN RELOCATION IL. RTE. 22 STA. 10+200 TO STA. 10+450**

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 DATE: 08-Mar-05 10:22

BY: \_\_\_\_\_ DATE: \_\_\_\_\_

FINAL SURVEY PLOTTED: \_\_\_\_\_

NOTE BOOK TEMPLATE AREAS CHECKED: \_\_\_\_\_

BY: \_\_\_\_\_ DATE: \_\_\_\_\_

ORIGINAL SURVEY PLOTTED: \_\_\_\_\_

NOTE BOOK TEMPLATE AREAS CHECKED: \_\_\_\_\_

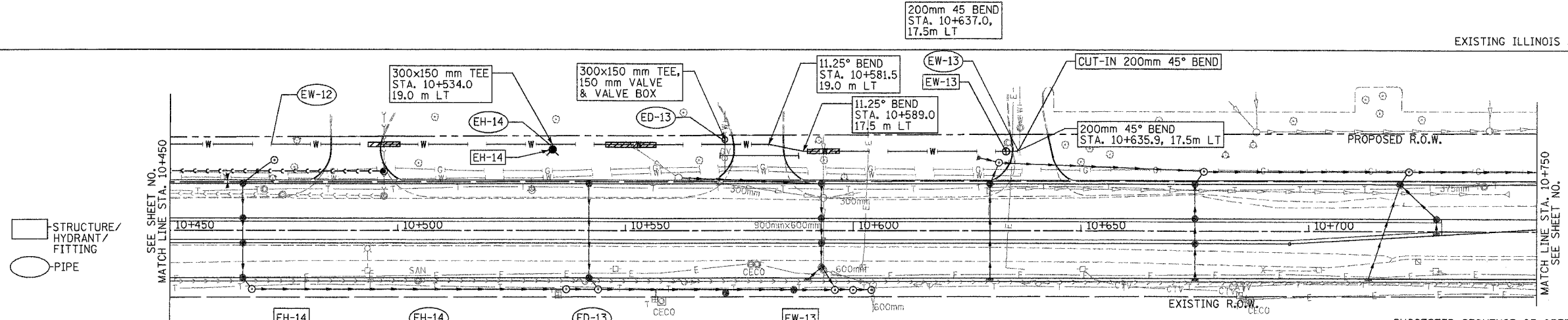
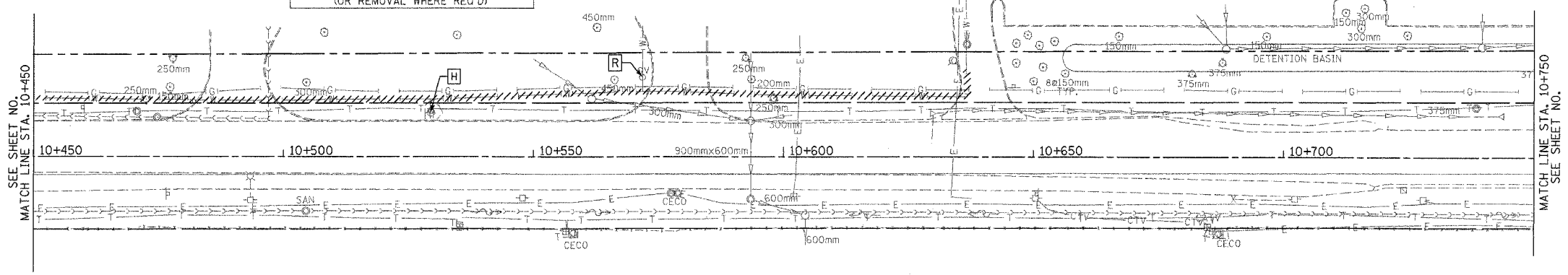
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS NO.	SHEET NO.
337	20 WRS-6	LAKE	3/8	45
STA. 10+450		TO STA. 10+750		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

**LEGEND**

- [H] FIRE HYDRANT TO BE MOVED
- [ADJ] STRUCTURE TO BE ADJUSTED
- [F] STRUCTURE TO BE FILLED
- [R] STRUCTURE TO BE REMOVED
- [REC] STRUCTURE TO BE RECONSTRUCTED
- PIPE ABANDONMENT (OR REMOVAL WHERE REQ'D)

DATE	BY

FINAL SURVEY PLOTTED  
NOTE BOOK TEMPLATE AREAS CHECKED



[ ] STRUCTURE/HYDRANT/FITTING  
[ ] PIPE

EXISTING ILLINOIS ROUTE 22

EXISTING R.O.W.

**SUGGESTED SEQUENCE OF OPERATIONS**  
WATER MAIN RELOCATION STA. 10+200 TO STA. 10+650

1. CLOSE EXISTING VALVE AT STA. 10+636, 23m LT
2. CONSTRUCT 300 mm WATER MAIN FROM WEST PROJECT LIMIT TO VALVE EW-13, INCLUDING CONNECTION AT STA. 10+636.5 LT.
3. PRESSURE TEST, DISINFECT, AND FLUSH NEW WATER MAIN AS REQUIRED. TRANSFER WATER SERVICES.
4. REOPEN EXISTING VALVE AT STA. 10+636, 23m LT.

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NEW FIRE HYDRANT LOCATION  
STA. 10+534.0  
18.0 m LT

1.0 m - 150 mm DUCT. IRON WATER MAIN

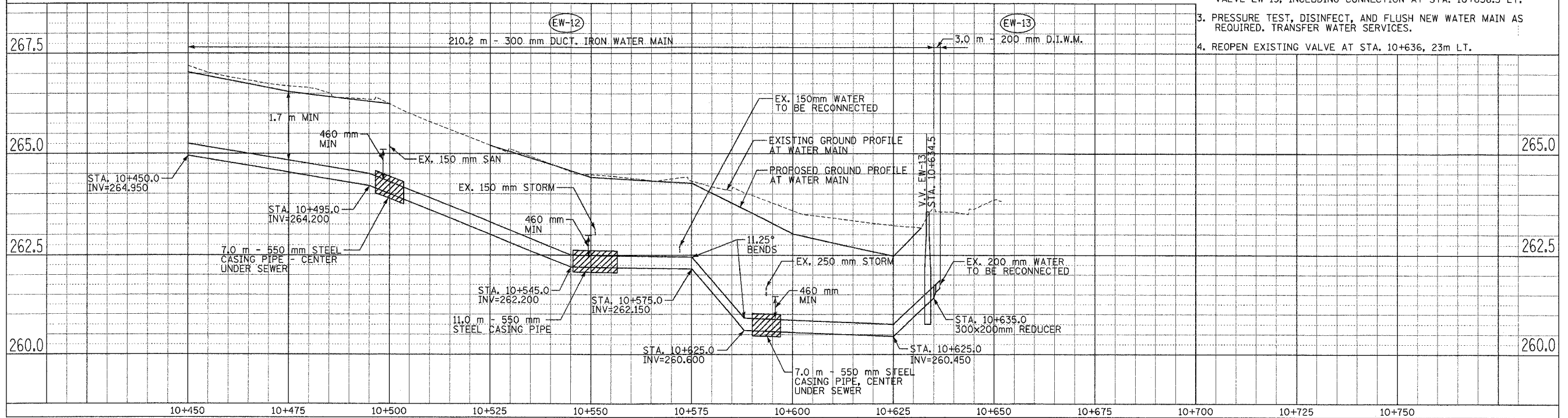
2.0 m - 150 mm DUCT. IRON WATER MAIN  
CONNECT TO EXISTING SERVICE AT PROPERTY LINE

WATER VALVE, 300MM IN VALVE VAULT, TY. A, 1.5M DIA. TY. 1 FR & CL  
STA. 10+633.5, 17.5 m LT  
RIM=263.36

PROPOSED ILLINOIS ROUTE 22

DATE	BY

ORIGINAL SURVEY PLOTTED  
NOTE BOOK TEMPLATE AREAS CHECKED

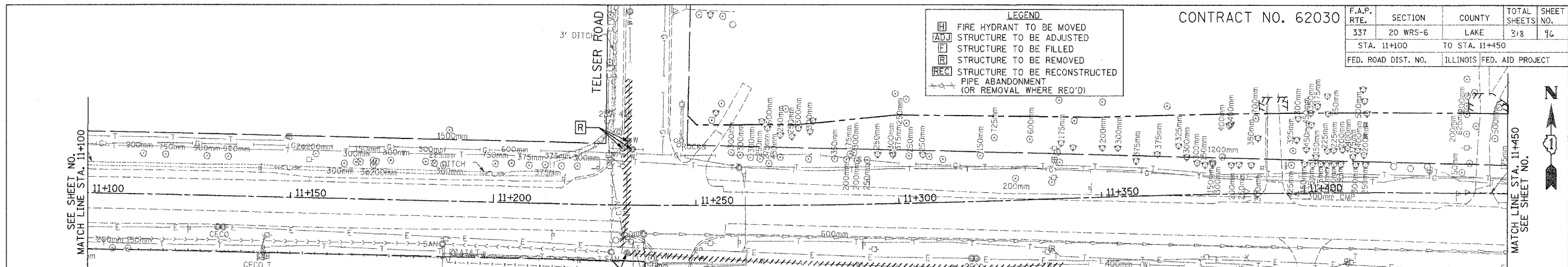


CONTRACT NO. 62030

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	20 WRS-6	LAKE	318	96
STA. 11+100		TO STA. 11+450		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

**LEGEND**

- [H] FIRE HYDRANT TO BE MOVED
- [ADJ] STRUCTURE TO BE ADJUSTED
- [F] STRUCTURE TO BE FILLED
- [R] STRUCTURE TO BE REMOVED
- [REC] STRUCTURE TO BE RECONSTRUCTED
- [X] PIPE ABANDONMENT (OR REMOVAL WHERE REQ'D)

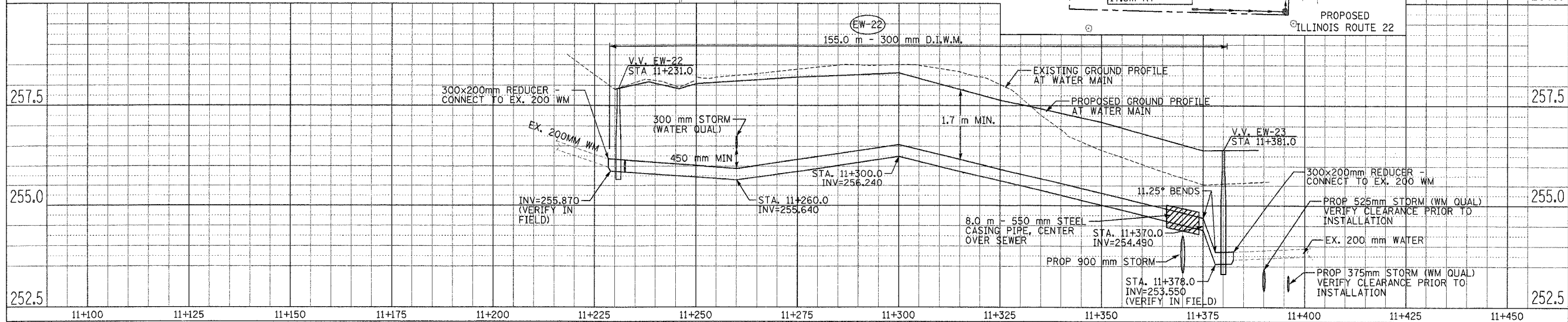
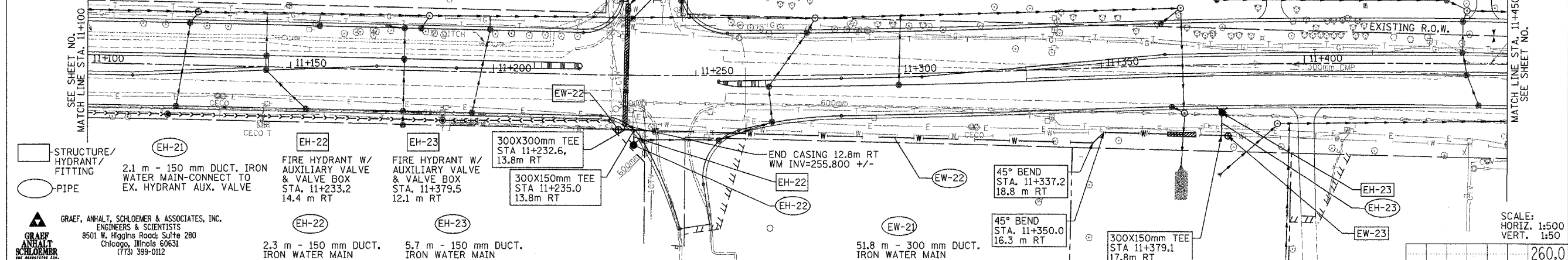


- SUGGESTED SEQUENCE OF OPERATIONS**  
**WATER MAIN RELOCATION STA. 11+231 TO STA. 11+380**
- FIELD VERIFY LOCATION AND ELEVATION OF EXISTING WATER MAIN EAST OF NEW VALVE EW-22 TO VERIFY CLEARANCE OF PROPOSED STORM SEWER PIPES P-139 & P-140 (PAID AS EXPLORATION TRENCH, SPECIAL).
  - CLOSE EXISTING VALVES AS REQUIRED TO INSTALL NEW VALVES EW-21, EW-22, & EW-23 AND REDUCERS. LEAVE NEW VALVES CLOSED FOLLOWING INSTALLATION AND RE-OPEN EXISTING VALVES.
  - CONSTRUCT NEW WATER MAIN EW-21 & EW-22, INCLUDING RT 22 CROSSING AND ALL CONNECTIONS. REMOVE EXISTING MAIN AS REQUIRED & CAP ANY PORTIONS TO BE ABANDONED (INCIDENTAL).
  - PRESSURE TEST, DISINFECT, AND FLUSH NEW WATER MAIN AS REQUIRED. OPEN NEW VALVES.

**EW-21**  
 WATER VALVE 300MM IN VALVE VAULT, TY. A 1.5 m DIA. TY. 1 FR & CL STA. 11+232.1, 37.0m LT RIM=257.61 REMOVE EX. MAIN TO SOUTH WHERE IN CONFLICT VERIFY LOCATION IN FIELD

**EW-22**  
 WATER VALVE 300MM IN VALVE VAULT, TY. A 1.5 m DIA. TY. 1 FR & CL STA. 11+231.0, 13.8m RT RIM=257.90 VERIFY LOCATION IN FIELD

**EW-23**  
 WATER VALVE 300MM IN VALVE VAULT, TY. A 1.5 m DIA. TY. 1 FR & CL STA. 11+381.0, 17.9 m RT RIM=256.40 CAP & ABANDON/REMOVE MAIN TO THE WEST VERIFY LOCATION IN FIELD



BY: \_\_\_\_\_ DATE: \_\_\_\_\_

FINAL SURVEY PLOTTED \_\_\_\_\_

NOTE BOOK TEMPLATE AREAS CHECKED \_\_\_\_\_

BY: \_\_\_\_\_ DATE: \_\_\_\_\_

ORIGINAL SURVEY PLOTTED \_\_\_\_\_

NOTE BOOK TEMPLATE AREAS CHECKED \_\_\_\_\_

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 Chicago, Illinois 60631  
 (773) 399-0112

SCALE:  
 HORIZ. 1:500  
 VERT. 1:50



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	20 WR-6	LAKE	3/8	17
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

SANITARY SEWER RELOCATION

Station	to	Station	Trench Backfill	Sanitary Manholes, 1.2M Diameter with Frame, Lid, and Chimney Seal	Drop Sanitary Manholes, 1.2M Diameter with Frame, Lid, and Chimney Seal	Sanitary Sewer, Ductile Iron Pipe, 300MM Diameter	Sanitary Sewer 150MM	Sanitary Sewer 200MM	Sanitary Sewer 250MM	Sanitary Sewer 300MM	Sanitary Sewer, Ductile Iron Pipe, 250MM Diameter	Sanitary Sewer, Ductile Iron Pipe, 200MM Diameter Augered	Steel Casings 550MM Augered & Jacked
			M2080150	MX030314	MX030315	MX030393	MZ056800	MZ056900	MZ057000	MZ057100			
			Cu M	Each	Each	Meter	Meter	Meter	Meter	Meter	Meter	Meter	Meter
ILLINOIS ROUTE 22													
STA	10+200	to	STA	10+450	96.4	4	1	0.0	4.5	0.0	239.9	0.0	0.0
STA	10+450	to	STA	10+750	46.5	1	0	0.0	0.0	0.0	0.0	57.0	0.0
STA	10+750	to	STA	11+100	18.3	4	0	0.0	0.0	265.0	0.0	0.0	28.2
STA	11+100	to	STA	11+450	186.1	2	0	0.0	0.0	67.8	0.0	41.7	0.0
STA	11+450	to	STA	11+800	20.8	3	0	50.7	0.0	32.3	0.0	0.0	10.0
PROJECT CONTINGENCY										30.0			
TOTAL =			368.1	14	1	50.7	34.5	365.1	239.9	41.7	57.0	28.2	10.0

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

SANITARY SEWER NOTES

- LOCATIONS AND ELEVATIONS FOR PROPOSED SANITARY SEWER RELOCATIONS ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING FINAL LOCATIONS AND ELEVATIONS WITH PROPOSED ROADWAY AND DRAINAGE IMPROVEMENTS AS WELL AS PRIVATE UTILITY RELOCATIONS, SUBJECT TO APPROVAL BY THE VILLAGE.
- ALL EXISTING SANITARY SERVICES SHALL BE RECONNECTED TO THE NEW SEWER MAIN PRIOR TO REMOVAL OR ABANDONMENT OF THE EXISTING SEWER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION AND ELEVATION OF EXISTING SERVICES AND FOR SEQUENCING THE WORK TO AVOID DISRUPTION OF SERVICE. CONTINGENCY QUANTITIES OF EXPLORATION TRENCH, SPECIAL AND 150mm SANITARY SEWER HAVE BEEN PROVIDED FOR THIS PURPOSE.
- SANITARY SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR WATER & SEWER MAIN CONSTRUCTION IN ILLINOIS (FIFTH EDITION), THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (IDOT), THE SPECIAL PROVISIONS, AND VILLAGE REQUIREMENTS.
- CONTRACTOR SHALL NOTIFY THE VILLAGE UTILITIES SUPERINTENDENT 48 HOURS PRIOR TO ANY SANITARY SEWER WORK.
- CONTRACTOR SHALL CONFIRM ALL EXISTING UTILITY LOCATIONS AND ELEVATIONS PRIOR TO CONSTRUCTING.
- SEPARATION OF WATER AND SEWER MAIN SHALL MEET THE REQUIREMENTS OF ARTICLE 41-2 OF THE STANDARD SPECIFICATIONS FOR WATER & SEWER MAIN CONSTRUCTION IN ILLINOIS.
- ANY DAMAGE TO EXISTING UTILITIES TO REMAIN DONE BY THE CONTRACTOR SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- EXISTING SANITARY SEWERS INDICATED FOR ABANDONMENT OR REMOVAL SHALL BE PLUGGED AND ABANDONED IN-PLACE WHEREVER POSSIBLE. ANY SANITARY SEWER REMOVAL REQUIRED IN ORDER TO CONSTRUCT REPLACEMENT SEWER SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE NEW SANITARY SEWER.
- MISSION-TYPE COUPLINGS SHALL BE USED TO CONNECT PIPES OF DISSIMILAR MATERIALS.
- SANITARY SEWER SHALL BE LEAKAGE & DEFLECTION TESTED IN ACCORDANCE WITH ARTICLE 31-1.11 OF THE STANDARD SPECIFICATIONS FOR SEWER & WATER MAIN CONSTRUCTION IN ILLINOIS.
- ALL TESTING AND CONNECTIONS TO THE VILLAGE SYSTEMS SHALL BE WITNESSED BY VILLAGE UTILITY DIVISION PERSONNEL.
- ANY TEMPORARY BYPASS PUMPING REQUIRED SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE NEW SANITARY SEWER.
- SANITARY SEWER MATERIALS SHALL BE AS FOLLOWS:
  - PIPE  
PVC: SDR-26 (DEPTHS TO 5m) OR SDR-18 (DEPTHS OVER 5m) IN ACCORDANCE WITH ASTM D-3034, WITH ELASTOMERIC SEAL JOINTS IN ACCORDANCE WITH ASTM D-3212.
  - PVC SPECIAL (PRESSURE CLASS): SDR-26 (DEPTHS TO 5m) OR SDR-18 (DEPTHS OVER 5m) IN ACCORDANCE WITH ASTM D-2241, WITH ELASTOMERIC SEAL JOINTS IN ACCORDANCE WITH ASTM D-3139.
  - DUCTILE IRON: CLASS 52, BITUMINOUS COATED & CEMENT LINED, ENCASED IN POLYETHYLENE SHEETING.
  - BEDDING: WELL COMPACTED CA-6 GRADE 9 STONE OR SAND, TO 300mm OVER THE TOP OF PIPE.
  - MANHOLES: PRECAST CONCRETE WITH BENCH & RUBBER BOOTS  
WRAPIDSEAL MANHOLE ENCAPSULATION SYSTEM IS REQUIRED ON ALL SANITARY MANHOLES.  
CONTRACTOR SHALL BE QUALIFIED BY MANUFACTURER'S REPRESENTATIVE TO INSTALL WRAPIDSEAL.  
EXTERIOR BANDING BETWEEN BARREL AND CONE SECTIONS IS REQUIRED.  
MANHOLE MUST BE WATER TIGHT AND SEALED FROM THE OUTSIDE.  
FIBERGLASS STEPS.
  - CAST IRON FRAMES & LIDS: NEENAH TYPE 1, SELF SEALING W/ CONCEALED PICKHOLES, MARKED "SANITARY SEWER"
  - CASING: MANUFACTURED PIPE CHOCKS MUST BE USED BETWEEN THE PIPE AND CASING  
PEA GRAVEL MUST BE JETTED THROUGH THE CASING, WITH CONCRETE MORTAR ON THE ENDS

SANITARY SEWER REMOVALS AND ADJUSTMENTS

Station	to	Station	Sanitary Manhole to be Reconstructed	Removing Manholes	Filling Manholes	Exploration Trench, Special	Sanitary Manhole to be Adjusted
			60260050	60500040	60500105	M2130010	X0321556
			Each	Each	Each	Meter	Each
ILLINOIS ROUTE 22							
STA	10+200	to	STA	10+450	0	0	3
STA	10+450	to	STA	10+750	1	0	2
STA	10+750	to	STA	11+100	1	2	2
STA	11+100	to	STA	11+450	0	1	0
STA	11+450	to	STA	11+800	1	0	2
PROJECT CONTINGENCY						20.0	
TOTAL =			3	3	9	20.0	7

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

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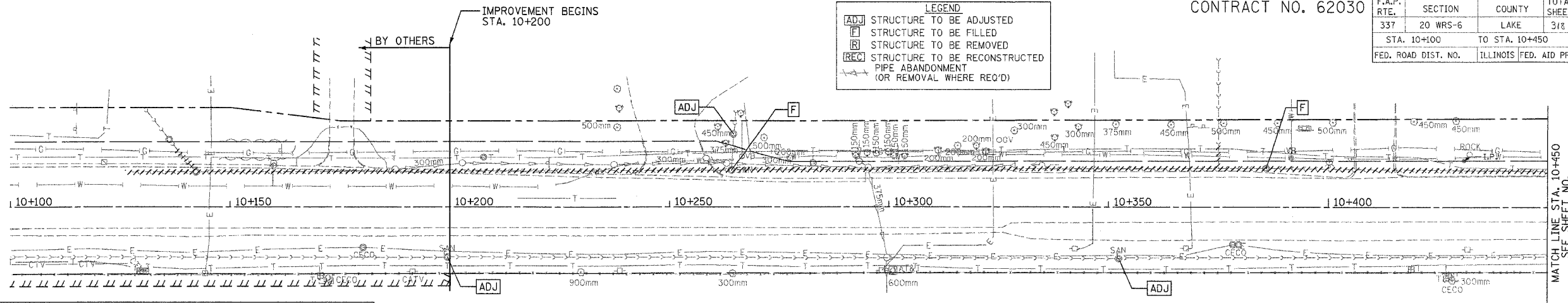
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
ILLINOIS ROUTE 22  
E. OF BUESCHING RD TO QUENTIN RD  
SCHEDULES  
  
SANITARY SEWER RELOCATION  
  
DRAWN BY: JHJ  
CHECKED BY: WS  
DATE: 03-11-05

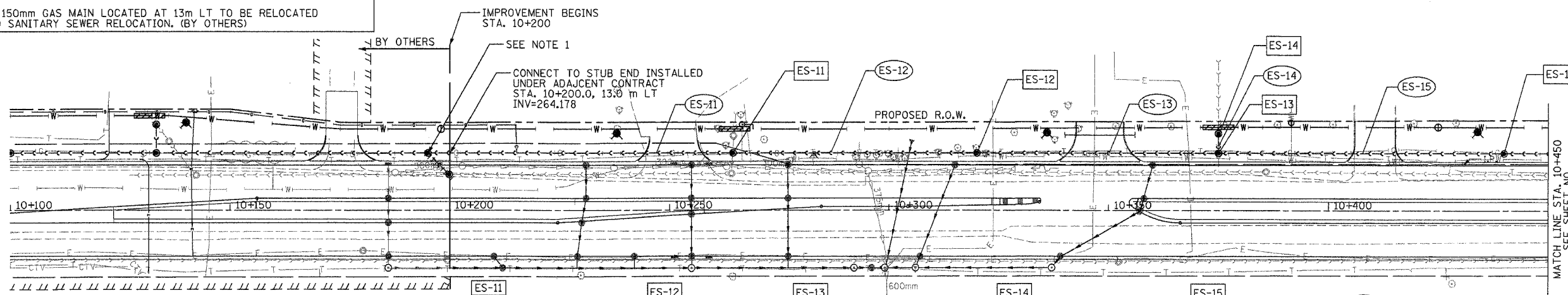
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	20 WRS-6	LAKE	318	18
STA. 10+100 TO STA. 10+450		ILLINOIS FED. AID PROJECT		

**LEGEND**

- [ADJ] STRUCTURE TO BE ADJUSTED
- [F] STRUCTURE TO BE FILLED
- [R] STRUCTURE TO BE REMOVED
- [REC] STRUCTURE TO BE RECONSTRUCTED
- PIPE ABANDONMENT (OR REMOVAL WHERE REQ'D)



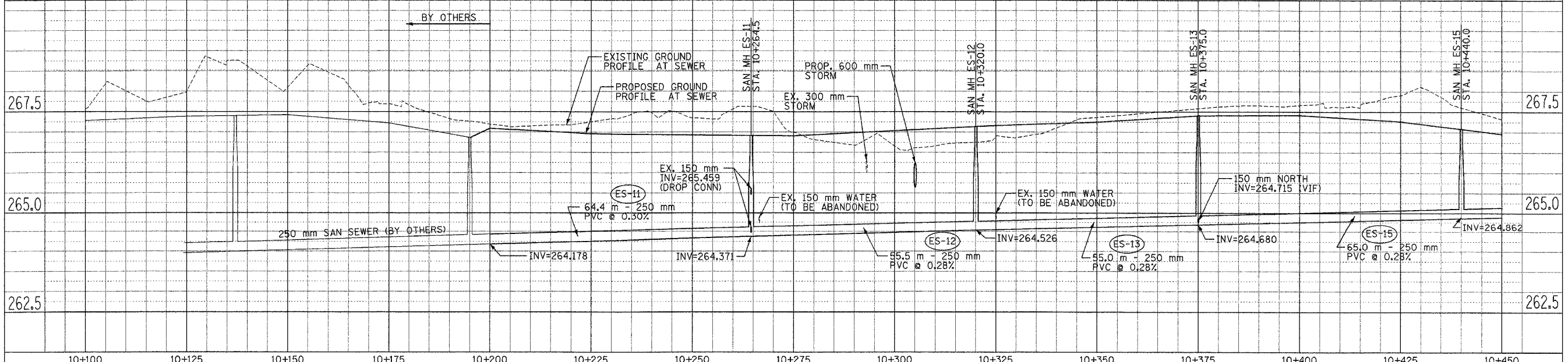
- NOTES:**
- FOLLOWING INSTALLATION OF NEW SANITARY SEWER FROM STA. 10+200 TO STA. 10+496 AND CONNECTION OF ALL SERVICES, CONTRACTOR SHALL PLUG THE SOUTHEAST INVERT OF MANHOLE AT STA. 10+195, 13m LT, FILL TEMPORARY MANHOLE AT STA. 10+200, 8.1m LT, AND ABANDON TEMPORARY PIPING BETWEEN THESE MANHOLES.
  - EXISTING 150mm GAS MAIN LOCATED AT 13m LT TO BE RELOCATED PRIOR TO SANITARY SEWER RELOCATION. (BY OTHERS)



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STRUCTURE  
 PIPE

- ES-11** DROP SAN. MH 1.2M DIA. W/ FR, LID & CHIMNEY SEAL STA. 10+264.5, 13.0 m LT RIM=266.92 INV(E,W)=264.371 INV(N)=265.459 (EX-DROP CONN) (VERIFY IN FIELD)
- ES-12** SAN. MH 1.2M DIA. W/ FR, LID & CHIMNEY SEAL STA. 10+320.0, 13.0 m LT RIM=267.40 INV(E,W)=264.526
- ES-13** SAN. MH 1.2M DIA. W/ FR, LID & CHIMNEY SEAL STA. 10+375.0, 13.0 m LT RIM=267.40 INV(N,S)=264.715 INV(E,W)=264.680
- ES-14** SAN. MH 1.2M DIA. W/ FR, LID & CHIMNEY SEAL STA. 10+440.0, 13.0 m LT RIM=267.08 INV(N,S)=264.760 (EX) (VERIFY LOCATION & INVERTS IN FIELD) INV(E,W)=264.862
- ES-15** SAN. MH 1.2M DIA. W/ FR, LID & CHIMNEY SEAL STA. 10+440.0, 13.0 m LT RIM=267.08 INV(E,W)=264.862
- ES-14** 4.5 m - 150 mm PVC @ 1.00%



**SANITARY SEWER RELOCATION IL. RTE. 22 STA. 10+200 TO STA. 10+450**

SCALE:  
 HORIZ. 1:500  
 VERT. 1:50

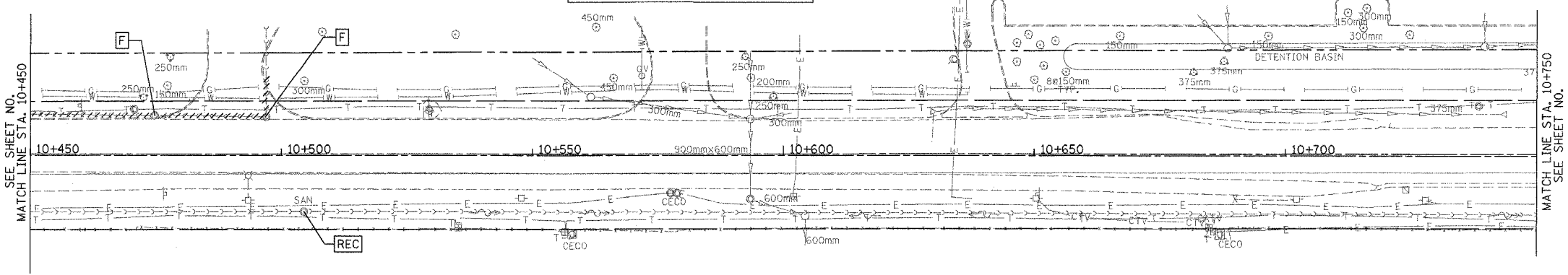
CONTRACT NO. 62030

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	20 WRS-6	LAKE	313	11
STA. 10+450		TO STA. 10+750		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

**LEGEND**

ADJ	STRUCTURE TO BE ADJUSTED
F	STRUCTURE TO BE FILLED
R	STRUCTURE TO BE REMOVED
REC	STRUCTURE TO BE RECONSTRUCTED
---	PIPE ABANDONMENT (OR REMOVAL WHERE REQ'D)

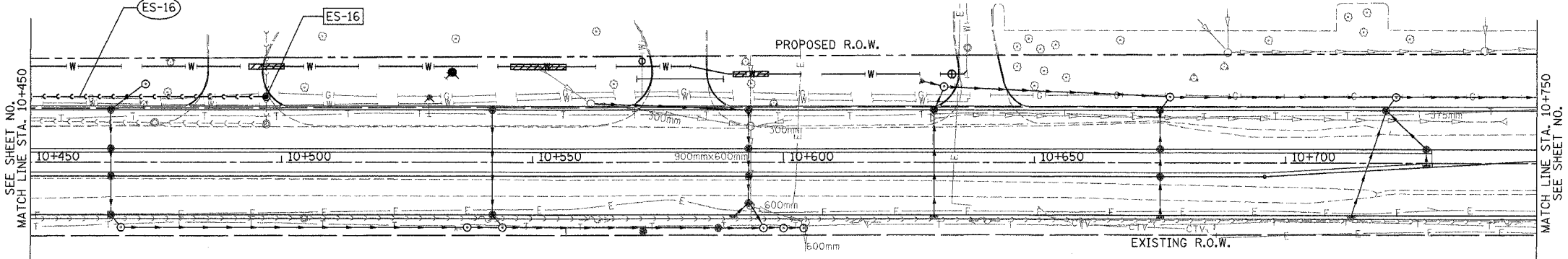
BY	DATE
FINAL SURVEYED SURVEY PLOTTED	
NOTE BOOK TEMPLATE	
AREAS	
AREAS CHECKED	
NO.	



EXISTING ILLINOIS ROUTE 22

**ES-16**  
 SAN, MH 1.2M DIA.  
 W/ FR, LID &  
 CHIMNEY SEAL  
 STA.10+497.0, 13.0 m LT  
 RIM=266.20  
 INV(N)=265.070 (EX)  
 INV(W)=265.022 (PROP)  
 (VERIFY LOCATION &  
 INVERTS IN FIELD)

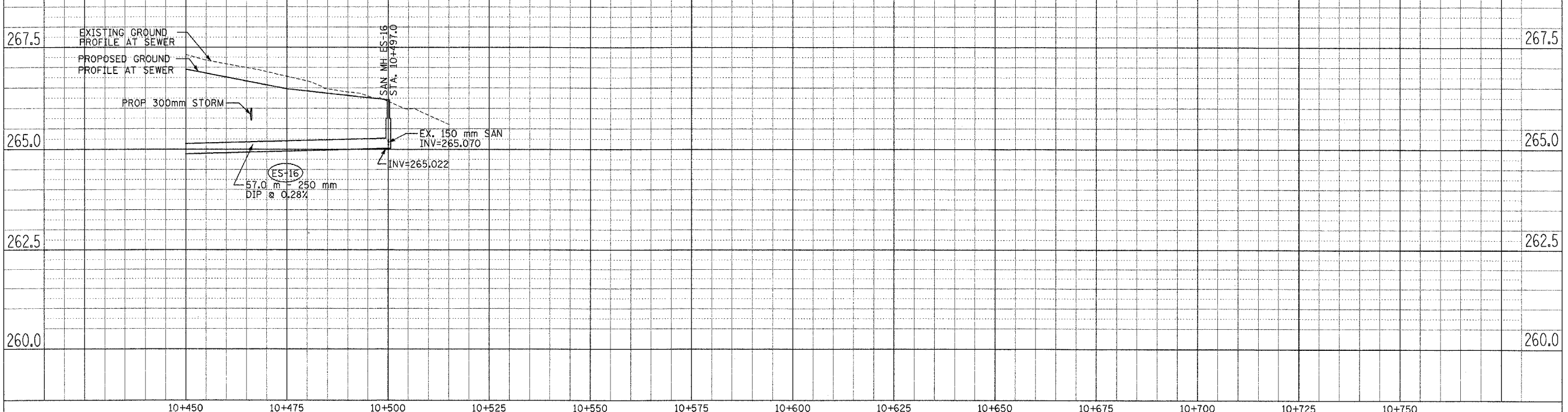
STRUCTURE  
 PIPE



**GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.**  
 ENGINEERS & SCIENTISTS  
 8501 W. Higgins Road, Suite 280  
 Chicago, Illinois 60631  
 (773) 399-0112

PROPOSED ILLINOIS ROUTE 22  
 SCALE:  
 HORIZ. 1:500  
 VERT. 1:50

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

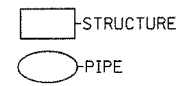
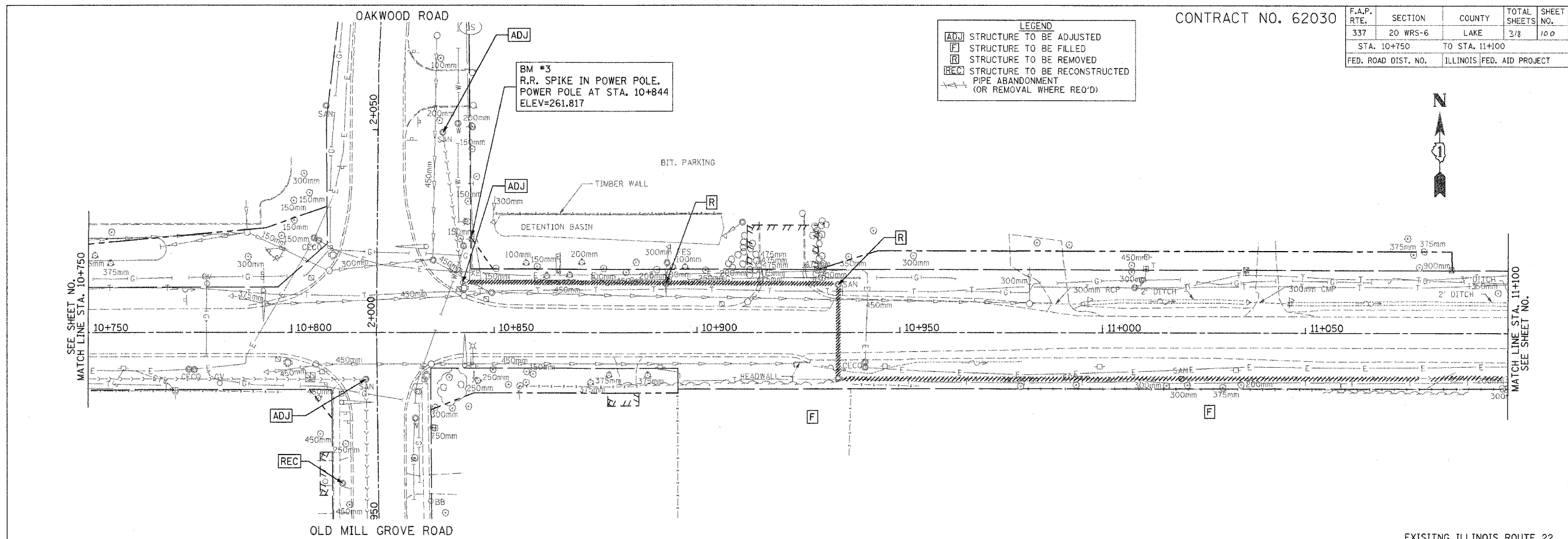


CONTRACT NO. 62030

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	20 WRS-6	LAKE	3/8	100
STA. 10+750		TO STA. 11+100		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

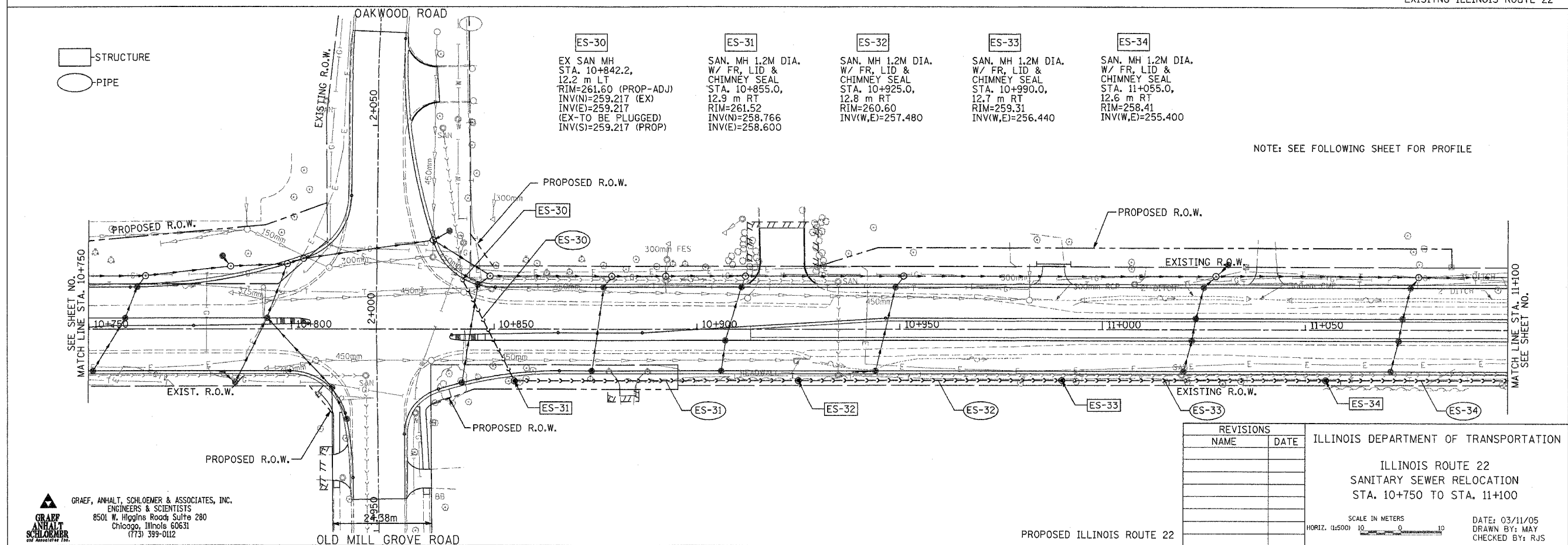
**LEGEND**

ADJ	STRUCTURE TO BE ADJUSTED
F	STRUCTURE TO BE FILLED
R	STRUCTURE TO BE REMOVED
REC	STRUCTURE TO BE RECONSTRUCTED
---	PIPE ABANDONMENT (OR REMOVAL WHERE REQ'D)



<b>ES-30</b> EX SAN MH STA. 10+842.2, 12.2 m LT RIM=261.60 (PROP-ADJ) INV(N)=259.217 (EX) INV(E)=259.217 (PROP)	<b>ES-31</b> SAN. MH 1.2M DIA. W/ FR, LID & CHIMNEY SEAL STA. 10+855.0, 12.9 m RT RIM=261.52 INV(N)=258.766 INV(E)=258.600	<b>ES-32</b> SAN. MH 1.2M DIA. W/ FR, LID & CHIMNEY SEAL STA. 10+925.0, 12.8 m RT RIM=260.60 INV(W,E)=257.480	<b>ES-33</b> SAN. MH 1.2M DIA. W/ FR, LID & CHIMNEY SEAL STA. 10+990.0, 12.7 m RT RIM=259.31 INV(W,E)=256.440	<b>ES-34</b> SAN. MH 1.2M DIA. W/ FR, LID & CHIMNEY SEAL STA. 11+055.0, 12.6 m RT RIM=258.41 INV(W,E)=255.400
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NOTE: SEE FOLLOWING SHEET FOR PROFILE



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ENGINEERS & SCIENTISTS  
8501 W. Higgins Road, Suite 280  
Chicago, Illinois 60631  
(773) 399-0112

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
  
ILLINOIS ROUTE 22  
SANITARY SEWER RELOCATION  
STA. 10+750 TO STA. 11+100  
  
SCALE IN METERS  
HORIZ. (1:500) 10 0 10  
DATE: 03/11/05  
DRAWN BY: MAY  
CHECKED BY: RJS

**SANITARY SEWER RELOCATION IL. RTE. 22 STA. 10+750 TO STA. 11+100**

FILE: H:\Jobs\2003\20034205\CAD\DOT\_Trens\dwg\100\text\pp3PLAN-SAN.dgn  
DATE: 08-Mar-05 09:50