9-17-10 LETTING ITEM 045

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2652	00-00070-00-PV	DuPAGE	160	1
	ILLINOIS	CONTRACT NO. 63379		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLANS FOR PROPOSED FEDERAL AID HIGHWAY

FAU ROUTE 2652 (VILLA AVENUE)
FROM MADISON STREET TO ST. CHARLES ROAD
SECTION 00-00070-00-PV
PROJECT NO. CMM-M-8003(979)
ROADWAY RECONSTRUCTION
DuPAGE COUNTY

FOR INDEX OF SHEETS, SEE SHEET NO. 2

PROJECT LOCATED IN:
VILLAGE OF VILLA PARK

TRAFFIC DATA:

ADT: VILLA AVENUE

4,000-6,900 VEHICLES PER DAY (2009)
5,000-8,000 VEHICLES PER DAY (2030)

POSTED SPEED LIMIT:

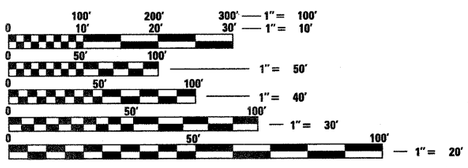
POSTED SPEED: VILLA AVENUE

30 mph

DESIGN DESIGNATION:

VILLA AVENUE: 1050 (30) COLLECTOR 0.65 (FD-20)

THE WORK UNDER THIS CONTRACT SHALL CONSIST OF:
STAGED RECONSTRUCTION AND WIDENING OF VILLA AVENUE INCLUDING ENCLOSED DRAINAGE, CURB AND GUTTER, SIDEWALK, LIGHTING AND STREETSCAPE.

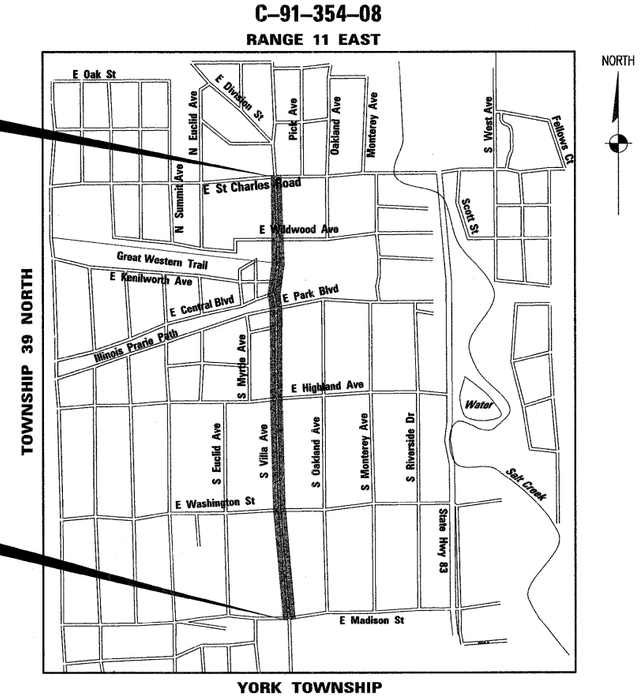


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

PROJECT ENDS
STA 116+71.35

PROJECT BEGINS
STA 63+19.78



YORK TOWNSHIP
THIRD PRINCIPAL MERIDIAN

LOCATION MAP

NOT TO SCALE

GROSS LENGTH = 5,351.57 FT. = 0.96 MILE
NET LENGTH = 5,351.57 FT. = 0.96 MILE

LOCATION OF SECTION INDICATED THUS:-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

APPROVED Douglas Juskelis 5/5/10
VILLAGE OF VILLA PARK, DIRECTOR OF PUBLIC WORKS

PASSED JULY 15, 2010
Cathy Hix otherwise Hep Holt
DISTRICT ONE ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID BASED ON LIMITED REVIEW JULY 15, 2010
Diane M. O'Keefe ox
DEPUTY DIRECTOR OF HIGHWAYS, REGION ONE ENGINEER

JEFFREY T. GALLAGHER
062-057803
REGISTERED PROFESSIONAL ENGINEER
ILLINOIS

EXPIRATION DATE: 11/30/2011
DATE: 5/7/10

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CONTRACT NO. 63379

Stanley Consultants INC.
8501 West Higgins Road
Suite 730
Chicago, Illinois 60631-2801 Illinois Firm Registration No. 184-00533

PROJECT ENGINEER: JEFF GALLAGHER FIELD ENGINEER: MARILIN SOLOMON (847)705-4407

INDEX OF SHEETS

HOT-MIX ASPHALT MIXTURE REQUIREMENTS	
MIXTURE TYPE	AIR VOIDS @ NDES
FULL DEPTH PAVEMENT	
HMA SURFACE COURSE, MIX "D", N50 (IL 9.5 mm); 2"	4% @ 50 GYR.
HMA BINDER COURSE, IL-19.0, N50; 6.75"	4% @ 50 GYR.
DRIVEWAYS	
HMA SURFACE COURSE, MIX "C", N50 (IL 9.5 mm); 2"	4% @ 50 GYR.
HMA BASE COURSE (HMA BINDER IL-19 mm); PE-6", CE-8"	4% @ 50 GYR.
PATCHING	
CLASS D PATCHES (HMA BINDER IL-19 mm)	4% @ 70 GYR.
HMA REPLACEMENT OVER PATCHES (HMA BINDER IL-19 mm)	4% @ 70 GYR.
TEMPORARY PAVEMENT	
TEMP PAVEMENT (HMA BINDER IL-19 mm); 6"	4% @ 50 GYR.
TEMP PAVEMENT PATCH (HMA BINDER IL-19mm); 6"	4% @ 50 GYR.
PAVEMENT RESURFACING	
HMA SURFACE COURSE, MIX "D", N50 (IL 9.5 mm); 1 1/2"	4% @ 50 GYR.

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

IDOT HIGHWAY STANDARDS

000001-05	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-05	TEMPORARY EROSION CONTROL SYSTEMS
424001-05	CURB RAMPS FOR SIDEWALK
442201-03	CLASS C AND D PATCHES
601001-03	SUB-SURFACE DRAINS
602001-01	CATCH BASIN, TYPE A
602401-02	MANHOLE, TYPE A
602406-03	MANHOLE, TYPE A, 6' DIAMETER
602701-02	MANHOLE STEPS
604001-03	FRAME AND LIDS, TYPE 1
604056-03	FRAME AND GRATE TYPE 11V
606001-04	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701501-05	URBAN LANE CLOSURE 2L, 2W UNDIVIDED
701502-03	URBAN LANE CLOSURE 2L, 2W WITH BIDIRECTIONAL LEFT TURN LANE
701601-06	URBAN LANE CLOSURE 1W OR 2W WITH NONTRAVERSIBLE MEDIAN
701606-06	URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-06	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-04	LANE CLOSURE MULTILANE 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE
701901-01	TRAFFIC CONTROL DEVICES
704001-06	TEMPORARY CONCRETE BARRIER
720001-01	SIGN PANEL MOUNTING DETAILS
720006-02	SIGN PANEL ERECTION DETAILS
720011-01	METAL POSTS FOR SIGNS, MARKERS & DELINEATORS
729001-01	APPLICATIONS OF TYPES A&B METAL POSTS (FOR SIGNS & MARKERS)
805001-01	ELECTRICAL SERVICE INSTALLATION DETAILS
814001-02	HANDHOLES
878001-08	CONCRETE FOUNDATION DETAILS

DISTRICT ONE STANDARD DETAILS

BD-01	DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND CURB OR EDGE GREATER THAN OR EQUAL TO 15'
BD-02	DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB IS LESS THAN 15'
BD-22	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT
BD-32	BUTT JOINTS AND HMA TAPER
BE-300	LIGHT POLE FOUNDATION
BE-702	MISC ELECTRICAL DETAILS, SHEET A
TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS
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-26	DRIVEWAY ENTRANCE SIGNING
TS-05	STANDARD TRAFFIC SIGNAL DESIGN DETAILS (SHEET 1 OF 4)

GENERAL NOTES

1. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL JULIE AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, AND GAS FACILITIES. (48 HOURS NOTIFICATION IS REQUIRED).
2. 10 FOOT TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER ITEMS OF WORK TO EXISTING CURB AND GUTTERS IN THE FIELD, UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEM OF WORK SPECIFIED.
3. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE VILLAGE OF VILLA PARK.
4. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP YARD OR FIELD OFFICE ON RIGHT OF WAY OR STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
5. BARRICADES: THE CONTRACTOR SHALL PROVIDE AND INSTALL TWO (2) WEIGHTED SAND BAGS ON EACH TYPE I OR TYPE II BARRICADE USED - ONE (1) WEIGHTED SAND BAG ACROSS EACH BOTTOM RAIL. ALL TYPE III BARRICADES SHALL REQUIRE A MINIMUM OF FOUR (4) SAND BAGS AND TWO (2) FLASHING BEACONS PER BARRICADE.
6. WHERE ARTIFICIAL LIGHTING IS UTILIZED IN NIGHT OPERATIONS, THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTIONS IN PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC AND ADJOINING RESIDENTIAL AREAS.
7. WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1½ INCHES WHERE THE SPEED LIMIT IS 45 MPH OR LESS AND 1 INCH WHERE THE SPEED LIMIT IS GREATER THAT 45 MPH. WITH WRITTEN APPROVAL FROM THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED AT MINIMUM 1:3 (V:H).
8. NICOR GAS WILL MAINTAIN ALL GAS FACILITIES DURING CONSTRUCTION. HAND EXCAVATION IS REQUIRED NEAR THESE FACILITIES TO AVOID DAMAGE.
9. THE EXACT LOCATION OF PLANT PLACEMENT SHALL BE ADJUSTED IN THE FIELD TO AVOID UNDERGROUND AND OVERHEAD UTILITIES.
10. DRAINAGE: IF EXISTING DRAINAGE OR AGRICULTURAL FIELD TILE FACILITIES ARE DAMAGED OR DISTURBED BY THE CONTRACTOR, HE/SHE SHALL PROVIDE TEMPORARY OUTLETS AND CONNECTIONS FOR PRIVATE OR PUBLIC DRAINS, SEWERS AND CATCH BASINS. HE SHALL ALSO PROVIDE FACILITIES TO TAKE AND DISCHARGE ALL STORM WATER RECEIVED BY THOSE DAMAGED DRAINS AT NO EXTRA COMPENSATION UNTIL THE PERMANENT CONNECTIONS ARE MADE.
11. SAWCUTTING WILL NOT BE PAID FOR SEPARATELY BUT SHOULD BE CONSIDERED INCLUDED IN THE COST OF THE ITEM BEING REMOVED.
12. THE ENGINEER SHALL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS HOT-MIX ASPHALT LIFTS.
13. TO CONVERT PROJECT ELEVATIONS TO NGVD 29 MEAN SEA LEVEL DATUM, ADD 0.10'.
14. BEFORE ORDERING STORM SEWERS, CATCH BASINS, PIPE CULVERTS, PIPE DRAINS, AND MANHOLES, THE CONTRACTOR SHALL CONTACT THE ENGINEER AS TO THE EXACT LENGTH AND QUANTITY REQUIRED.
15. ONLY METHOD 1 SHALL BE USED TO COMPACT THE TRENCH BACKFILL FOR STORM SEWERS AND WATER MAIN.
16. THE SEDIMENTATION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENT, ADDITIONAL MEASURES MAY BE REQUIRED AS DIRECTED BY THE ENGINEER.
17. DO NOT SCALE DRAWINGS IF COORDINATES AND DIMENSIONS ARE GIVEN.
18. THE CONTRACTOR IS ADVISED THAT MUD AND DEBRIS MUST NOT BE DEPOSITED ON THE ADJACENT ROADWAYS. ANY DIRT AND DEBRIS ACCUMULATED ON THE PAVEMENT SHALL BE CLEANED BY THE CONTRACTOR WITHIN FOUR (4) HOURS OF THE INCIDENT. WORK INCLUDED IN THE COST OF PERIMETER EROSION BARRIER.
19. THE APPROXIMATE LOCATIONS OF EXISTING UTILITIES ARE SHOWN ON THE DRAWING ACCORDING TO INFORMATION OBTAINED FROM UTILITY COMPANIES AND SURVEYS. THE CONTRACTOR SHALL FIELD CHECK AND VERIFY ALL EXISTING UTILITY LOCATIONS, DIMENSIONS AND ELEVATIONS IN THE FIELD PRIOR TO THE COMMENCEMENT OF CONSTRUCTION OF THE IMPROVEMENTS OR PROPOSED WORK. THE CONTRACTOR SHALL REPORT TO THE ENGINEER OMISSIONS AND DIFFERENCES FROM THE LOCATIONS SHOWN ON THE DRAWINGS.
20. POROUS GRANULAR EMBANKMENT SPECIAL (PGES) HAS BEEN PROVIDED AT THE LOCATIONS INDICATED FOR SOILS WHICH TEND TO BE UNSTABLE WHEN WET. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH PGES WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE ENGINEER (BY USE OF A CONE PENETROMETER IN CONJUNCTION WITH THE IDOT SUBGRADE STABILITY MANUAL). IF UNSTABLE SOILS ARE ENCOUNTERED THE SOILS SHALL BE REMOVED AND REPLACED WITH PGES. IF UNSTABLE SOILS ARE NOT ENCOUNTERED, THEN THE QUANTITY WILL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE THE CONTRACTOR.
21. RIM ELEVATIONS FOR INLETS WITH GUTTERS ARE REFERENCED FROM THE EDGE OF PAVEMENT. ALL OTHER DRAINAGE STRUCTURES SHALL BE REFERENCED FROM THE CENTER. MANHOLES, CATCH BASINS, AND INLETS' OFFSETS ARE SHOWN TO THE CENTER OF THE STRUCTURE.
22. ALL SOIL TREATMENT BY UNDERCUT AND REPLACEMENT DURING CONSTRUCTION MUST BE JUSTIFIED IN THE FIELD BY TESTING BY THE ENGINEER OR SOILS INSPECTOR. WHEREVER THERE IS EXCESS RUTTING OR MOVEMENT OBSERVED UNDER THE TRAFFIC OF CONSTRUCTION EQUIPMENT OR DURING PROOF ROLLING, THE SUBGRADE SHOULD BE TESTED WITH A CONE PENETROMETER.
23. SUBGRADE TREATMENT SHOULD BE DETERMINED BASED ON THE GUIDELINES IN THE IDOT SUBGRADE STABILITY MANUAL AND THE CONE PENETROMETER READINGS. ANY PGE, SUBGRADE NOT NEEDED DURING CONSTRUCTION SHOULD BE DELETED FROM THE CONTRACT WITH NO EXTRA COMPENSATION TO THE CONTRACTOR.
24. THE CONTRACTORS ATTENTION IS CALLED TO THE FACT THAT THE PRESERVATION OF EXISTING TREES IS OF UTMOST IMPORTANCE TO THE VILLAGE OF VILLA PARK. ALL TREE PROTECTION, TREE REMOVAL, PRUNING AND ROOT PRUNING SHALL BE COMPLETED BEFORE CONSTRUCTION OPERATIONS COMMENCE IN ANY AREA. AT NO TIME SHALL THE CONTRACTOR PRUNE OR REMOVE AND TREES UNLESS SPECIFICALLY DIRECTED BY THE ENGINEER.
25. TEMPORARY FENCE SHOULD BE ERECTED ALONG THE DRIP LINE OF EXISTING TREES TO REMAIN WITHIN THE LIMITS OF CONSTRUCTION. AFTER TREES ARE SAFELY FENCED NOTHING IS TO BE STORED, DRIVEN, OR DISTURBED INSIDE THE FENCE. REMOVE PROTECTIVE TEMPORARY FENCE ONLY AFTER ALL CONSTRUCTION WORK HAS BEEN COMPLETED.
26. THE CONTRACTOR SHALL TAKE EXTRA CARE IN GRADING AND EXCAVATING NEAR TREES WHICH ARE NOT MARKED FOR REMOVAL SO AS NOT TO CAUSE INJURY TO THE ROOT SYSTEM OR TRUNKS. HAND EXCAVATION SHALL BE PERFORMED IF MAJOR ROOTS ARE PRESENT. MAJOR ROOTS OF A TREE THAT ARE TO REMAIN IN PLACE EXTENDING INTO THE EXCAVATION AREAS AT AN ELEVATION THAT WOULD INTERFERE WITH ANY PORTION OF THE PLANNED CONSTRUCTION SHALL BE SEVERED AT A POINT IMMEDIATELY OUTSIDE OF THE EXCAVATION AREA IN A MANNER THAT WILL CAUSE THE LEAST AMOUNT OF SYSTEMIC DAMAGE TO THE REMAINING TREE STRUCTURE. THE EXPENSE OF ANY REQUIRED HAND EXCAVATION AS DESCRIBED ABOVE, SHALL BE CONSIDERED INCLUDED IN THE COST OF THE CONTRACT LINE ITEM BEING REMOVED OR INSTALLED AT THAT LOCATION.
27. TREE ROOT PRUNING IS TO BE USED ON EXISTING TREES TO PREVENT THE RIPPING UP OF ROOTS WHEN TRENCHING OR EXCAVATION IS WITHIN THE ROOT ZONE OF ADJACENT TREES TO REMAIN. SUPPLEMENTAL WATERING OF TREES SHOULD BEGIN IMMEDIATELY AFTER ROOT PRUNING OF THE TREES HAS OCCURRED.

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Specialty Item	SP	CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	ROADWAY			SIDEWALK		LIGHTING		WATER MAIN & SANITARY SEWER
						70% STP 30% LOCAL	80% CMAQ 20% LOCAL	WASHINGTON STREET 100% LOCAL	80% CMAQ 20% LOCAL	100% LOCAL	70% STP 30% LOCAL	100% LOCAL	100% LOCAL
						I000-2A	I000-2A	I000-2A	SFTY -1B	SFTY -1B	Y030-1E	Y030-1E	Y060
		20101000	TEMPORARY FENCE	FOOT	10244	10244							
X		20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	50	50							
X		20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	80	80							
X		20101200	TREE ROOT PRUNING	EACH	100	100							
		20200100	EARTH EXCAVATION	CU YD	2584	2584							
		20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	1259	1259							
		20400800	FURNISHED EXCAVATION	CU YD	383	383							
	*	20400802	POROUS GRANULAR EMBANKMENT, SUBGRADE	CU YD	301	301							
		20800150	TRENCH BACKFILL	CU YD	9664	8128		200					1336
		21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	3712	3712							
X		21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	5669	5669							
X		25000400	NITROGEN FERTILIZER NUTRIENT	POUND	72	72							
X		25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	72	72							
X		25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	72	72							
X		25200110	SODDING, SALT TOLERANT	SQ YD	5669	5669							
X		25200200	SUPPLEMENTAL WATERING	UNIT	171	171							
		28000400	PERIMETER EROSION BARRIER	FOOT	8085	8085							
		28000510	INLET FILTERS	EACH	166	166							
		35501308	HOT-MIX ASPHALT BASE COURSE, 6"	SQ YD	404	404							
		35501316	HOT-MIX ASPHALT BASE COURSE, 8"	SQ YD	80	80							
		40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	4012	3917		95					
		40600300	AGGREGATE (PRIME COAT)	TON	43	41		2					
		40600895	CONSTRUCTING TEST STRIP	EACH	2	2							
		40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	821	821							
	*	40601005	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES	TON	59	39		20					
		40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	7085	7085							
		40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	55	55							
		40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	2347	2241		106					
		42001300	PROTECTIVE COAT	SQ YD	2399	2394		5					
		42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	1379	1379							
		42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	666	666							

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FILE NAME = 003-007_650soq01.dgn	USER NAME = USER:3830	DESIGNED - M.W.	REVISED -
		DRAWN - E.D.	REVISED -
	PLOT SCALE = 1:1	CHECKED -	REVISED -
	PLOT DATE = 7/2/2010	DATE -: 9/23/2009	REVISED -

VILLAGE OF VILLA PARK, ILLINOIS

SUMMARY OF QUANTITIES

SCALE: AS NOTED | SHEET NO. 1 OF 5 SHEETS | STA. TO STA.

F.A. U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2652	00-00070-00-PV	DuPAGE	160	3
		CONTRACT NO. 63379		

FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT

Specialty Item	SP	CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 70% STP 30% LOCAL I000-2A	ROADWAY 80% CMAQ 20% LOCAL I000-2A	ROADWAY WASHINGTON STREET 100% LOCAL I000-2A	SIDEWALK 80% CMAQ 20% LOCAL SFTY-1B	SIDEWALK 100% LOCAL SFTY-1B	LIGHTING 70% STP 30% LOCAL Y030-1E	LIGHTING 100% LOCAL Y030-1E	WATER MAIN & SANITARY SEWER 100% LOCAL Y060
		42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	41405				40956	449			
	*	~~2.00074~~	TEMPORARY SIDEWALK	SQFT	2,081	2,081							
		42400800	DETECTABLE WARNINGS	SQ FT	500				500				
		44000100	PAVEMENT REMOVAL	SQ YD	19496	19496							
		44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	2634	1689		945					
		44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	2168	2168							
		44000300	CURB REMOVAL	FOOT	29	29							
		44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	10395	10376		19					
		44000600	SIDEWALK REMOVAL	SQ FT	38488				38488				
		44002206	HOT-MIX ASPHALT REMOVAL OVER PATCHES, 1 1/2"	SQ YD	691	457		234					
		44201833	CLASS D PATCHES, TYPE IV, 15 INCH	SQ YD	691	457		234					
		550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	667	653		14					
		550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	FOOT	60	36		24					
		550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	FOOT	57	57							
		550A0180	STORM SEWERS, CLASS A, TYPE 1 42"	FOOT	68	68							
		550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	1721	1721							
		550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	643	643							
		550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	FOOT	594	310		284					
		550A0400	STORM SEWERS, CLASS A, TYPE 2 21"	FOOT	535	535							
		550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	FOOT	349	349							
		550A0420	STORM SEWERS, CLASS A, TYPE 2 27"	FOOT	425	425							
		550A0430	STORM SEWERS, CLASS A, TYPE 2 30"	FOOT	593	593							
		550A0450	STORM SEWERS, CLASS A, TYPE 2 36"	FOOT	10								10
		550A0470	STORM SEWERS, CLASS A, TYPE 2 42"	FOOT	965	940							25
	*	550A5500	STORM SEWERS, CLASS A, TYPE 2, EQUIVALENT ROUND-SIZE 42"	FOOT	119	119							
		550B0020	STORM SEWERS, CLASS B, TYPE 1 6"	FOOT	147	147							
		55100400	STORM SEWER REMOVAL 10"	FOOT	9	9							
		55100500	STORM SEWER REMOVAL 12"	FOOT	188	188							
		55100700	STORM SEWER REMOVAL 15"	FOOT	719	719							
X	*	56103200	DUCTILE IRON WATER MAIN 10"	FOOT	148								148
		60201110	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11V FRAME AND GRATE	EACH	136	134		2					

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Specialty Item	SP	CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	ROADWAY			SIDEWALK		LIGHTING		WATER MAIN & SANITARY SEWER
						70% STP 30% LOCAL	80% CMAQ 20% LOCAL	WASHINGTON STREET 100% LOCAL	80% CMAQ 20% LOCAL	100% LOCAL	70% STP 30% LOCAL	100% LOCAL	100% LOCAL
						I000-2A	I000-2A	I000-2A	SFTY -1B	SFTY-1B	Y030-1E	Y030-1E	Y060
		60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	25	25							
		60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	17	16		1					
		60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	13	13							
	*	60228110	MANHOLES, SANITARY, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	12								12
	*	60228140	MANHOLES, SANITARY, 7'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2								2
	*	60249120	VALVE VAULTS, 5'-DIAMETER	EACH	1								1
		60255500	MANHOLES TO BE ADJUSTED	EACH	18	18							
	*	60266500	VALVE VAULTS TO BE REMOVED	EACH	1								1
		60500040	REMOVING MANHOLES	EACH	5	5							
		60500050	REMOVING CATCH BASINS	EACH	4	4							
		60500060	REMOVING INLETS	EACH	42	42							
		60600605	CONCRETE CURB, TYPE B	FOOT	434	434							
		60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	10575	10556		19					
X		66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	376	376							
X		66900450	SPECIAL WASTE PLANS AND REPORT	L SUM	1	1							
X		66900510	BETX-PNAS SOIL ANALYSIS	EACH	2	2							
X		66900530	SOIL DISPOSAL ANALYSIS	EACH	4	4							
X		66900560	TCLP VOCS-SVOCS/PH/FLASH POINT/PAINT FILTER SOIL ANALYSIS	EACH	2	2							
X		66900610	ARSENIC AND PH SOIL ANALYSIS	EACH	2	2							
X		66901000	BACKFILL PLUGS	CU YD	18	18							
		67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	12	12							
		67100100	MOBILIZATION	L SUM	1	1							
	*	70101700	TRAFFIC CONTROL AND PROTECTION	L SUM	1	1							
	*	70102550	TRAFFIC CONTROL AND PROTECTION FOR TEMPORARY DETOUR	EACH	1	1							
		70106800	CHANGEABLE MESSAGE SIGN	CAL MO	12	12							
		70300100	SHORT-TERM PAVEMENT MARKING	FOOT	7892	7892							
		70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	11630	11630							
		70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	294	294							
		70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	2209	2209							
		70300560	PAVEMENT MARKING TAPE, TYPE III 12"	FOOT	32	32							

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Specialty Item	SP	CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 70% STP 30% LOCAL I000-2A	ROADWAY 80% CMAQ 20% LOCAL I000-2A	ROADWAY WASHINGTON STREET 100% LOCAL I000-2A	SIDEWALK 80% CMAQ 20% LOCAL SFTY-1B	SIDEWALK 100% LOCAL SFTY-1B	LIGHTING 70% STP 30% LOCAL Y030-1E	LIGHTING 100% LOCAL Y030-1E	WATER MAIN & SANITARY SEWER 100% LOCAL Y060
		70300570	PAVEMENT MARKING TAPE, TYPE III 24"	FOOT	11	11							
		70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	591	591							
		70400100	TEMPORARY CONCRETE BARRIER	FOOT	601	601							
X		78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	272	272							
X		78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	5543	5543							
X		78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1868	1868							
X		78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	179	179							
X		78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	304	304							
	*	78200530	BARRIER WALL MARKERS, TYPE C	EACH	96	96							
		78300100	PAVEMENT MARKING REMOVAL	SQ FT	224	224							
X		80400100	ELECTRIC SERVICE INSTALLATION	EACH	1						1		
X	*	80400200	ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1						1		
X		81018700	CONDUIT PUSHED, 3" DIA., GALVANIZED STEEL	FOOT	2319						2319		
X		81400100	HANDHOLE	EACH	15						15		
X		81603030	UNIT DUCT, 600V, 2-1C NO.4, 1/C NO.6 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE	FOOT	400						400		
X		81603035	UNIT DUCT, 600V, 2-1C NO.6, 1/C NO.6 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE	FOOT	316						316		
X		81603100	UNIT DUCT, 600V, 4-1C NO.6, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	2631						2631		
X		81603110	UNIT DUCT, 600V, 4-1C NO.4, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/2" DIA. POLYETHYLENE	FOOT	3258						3258		
X		81702400	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 2	FOOT	150						150		
X		81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	6862						6862		
X		82102150	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 150 WATT	EACH	26							26	
X	*	82500505	LIGHTING CONTROLLER, SPECIAL	EACH	1						1		
X		83006300	LIGHT POLE, ALUMINUM, 30 FT. M.H., 8 FT. MAST ARM	EACH	26							26	
X		83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	360						360		
X		84200600	REMOVAL OF LIGHTING UNIT, NO SALVAGE	EACH	25						25		
X		88600100	DETECTOR LOOP, TYPE I	FOOT	444	444							
X	*	89502380	REMOVE EXISTING HANDHOLE	EACH	8						8		
X		A2004520	TREE, GINKGO BILOBA PRINCETON SENTRY (PRINCETON SENTRY GINKGO), 2-1/2"CALIPER, BALLED AND BURLAPPED	EACH	17		17						
X		B2005720	TREE, PYRUS CALLERYANA CHANTICLEER CHANTICLEER CALLERY PEAR), 2-1/2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	16		16						
	*	Z0005510	ENGINEERED BARRIER	SQ YD	144	144							

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		DRAWN - E.D.	REVISED -
	PLOT SCALE = 1:1	CHECKED -	REVISED -
	PLOT DATE = 7/15/2010	DATE - 9/23/2009	REVISED -

VILLAGE OF VILLA PARK, ILLINOIS

SUMMARY OF QUANTITIES

SCALE: AS NOTED | SHEET NO. 4 OF 5 SHEETS | STA. TO STA.

F.A. U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2652	00-00070-00-PV	DuPAGE	160	6
		CONTRACT NO. 63379		

FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT

Specialty Item	SP	CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 70% STP 30% LOCAL I000-2A	ROADWAY 80% CMAQ 20% LOCAL I000-2A	ROADWAY WASHINGTON STREET 100% LOCAL I000-2A	SIDEWALK 80% CMAQ 20% LOCAL SFTY -1B	SIDEWALK 100% LOCAL SFTY -1B	LIGHTING 70% STP 30% LOCAL Y030-1E	LIGHTING 100% LOCAL Y030-1E	WATER MAIN & SANITARY SEWER 100% LOCAL Y060
X	*	X6026054	SANITARY MANHOLES TO BE REMOVED	EACH	14								14
	*	X0321158	PARK BENCHES	EACH	5		5						
X	*	X6026050	SANITARY MANHOLES TO BE ADJUSTED	EACH	18								18
	*	Z0020850	TEMPORARY INFORMATION SIGNING	SQ FT	16	16							
	*	X6110080	STORM SEWERS, (WATER MAIN QUALITY PIPE) TYPE 1, 12"	FOOT	123	123							
X	*	X6610710	WATER MAIN REMOVAL 10"	FOOT	208								208
	*	X6110089	STORM SEWERS, (WATER MAIN QUALITY PIPE) TYPE 2, 12"	FOOT	363	363							
	*	X0324627	STORM SEWER (WATER MAIN REQUIREMENTS), EQUIVALENT ROUND-SIZE 24"	FOOT	168	168							
X	*	X0325014	WATER SERVICE INSTALLATION 2"	EACH	1								1
	*	XX008401	BOX CULVERT REMOVAL	FOOT	40	40							
	*	Z0016456	TEMPORARY PAVEMENT	SQ YD	318	318							
	*	X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	96	96							
	*	X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	20	20							
X	*	X8950200	REBUILD EXISTING HANDHOLE	EACH	2	2							
	*	XX000959	TRASH RECEPTACLES	EACH	10			10					
X	*	XX001011	BICYCLE RACKS	EACH	6		6						
X	*	XX001466	SANITARY SEWER, PVC, 12"	FOOT	155								155
X	*	XX001467	SANITARY SEWERS, PVC, 15"	FOOT	333								333
X	*	XX001470	SANITARY SERVICE CONNECTION	EACH	75								75
X	*	XX005878	CAST IRON TREE GRATES	EACH	24			24					
X	*	XX006247	SANITARY SEWER REMOVAL	FOOT	822			28					794
	*	XX006931	STORM SEWER (WATER MAIN REQUIREMENTS) SPAN 53, RISE 34	FOOT	39	39							
X	*	XX007039	STREET LIGHTING ASSEMBLY COMPLETE TYPE F1	EACH	3							3	
X	*	XX007040	STREET LIGHTING ASSEMBLY COMPLETE TYPE F2	EACH	16							16	
	*	X6410077	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE, 6"	FOOT	97	79		18					
	*	Z0001050	AGGREGATE SUBGRADE 12"	SQ YD	21764	21764							
	*	Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1							
	*	Z0030255	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2	EACH	2	2							
X	*	Z0067900	STEEL CASINGS 24"	FOOT	21								21
△	*	Z0076600	TRAINEES	HOUR	2,000	2,000							

△ Y080

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		DRAWN - E.D.	REVISED -
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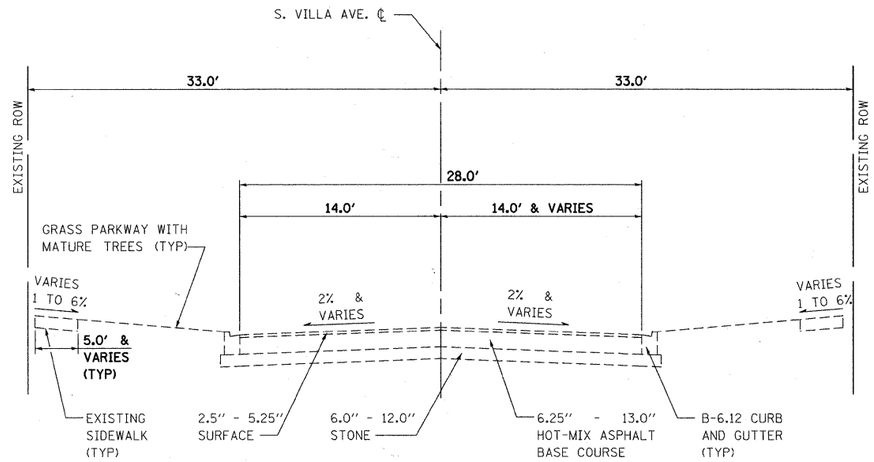
	PLOT DATE = 7/15/2010	DATE - 9/23/2009	REVISED -

VILLAGE OF VILLA PARK, ILLINOIS

SUMMARY OF QUANTITIES

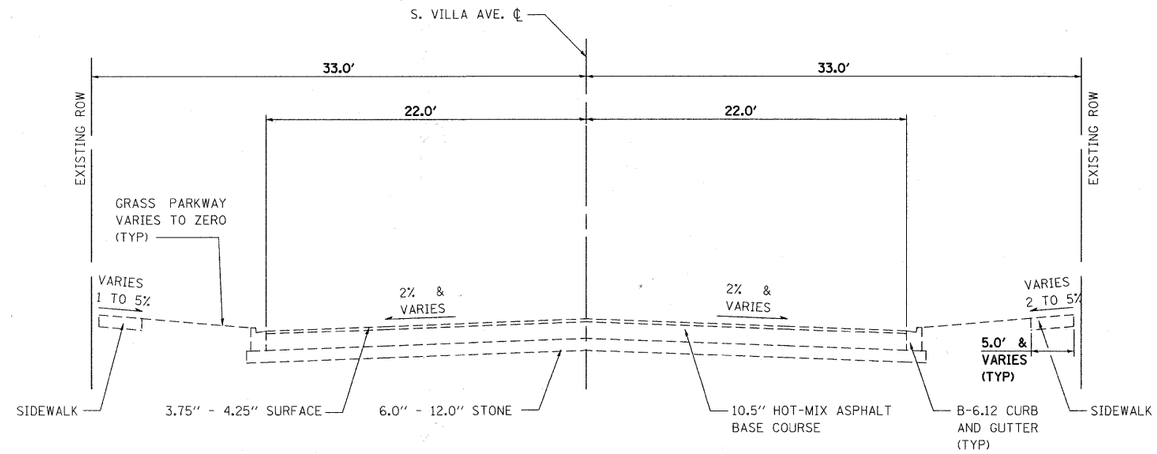
SCALE: AS NOTED | SHEET NO. 5 OF 5 SHEETS | STA. TO STA.

F.A. U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2652	00-00070-00-PV	DuPAGE	160	7
		CONTRACT NO. 63379		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



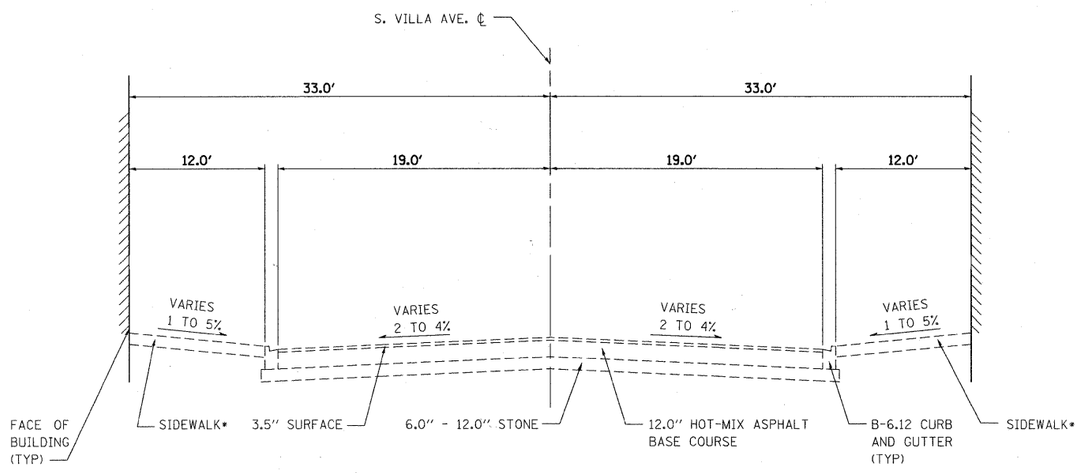
EXISTING TYPICAL SECTION

MADISON STREET TO EAST PARK BOULEVARD
STA 63+19.78 TO STA 101+14.00



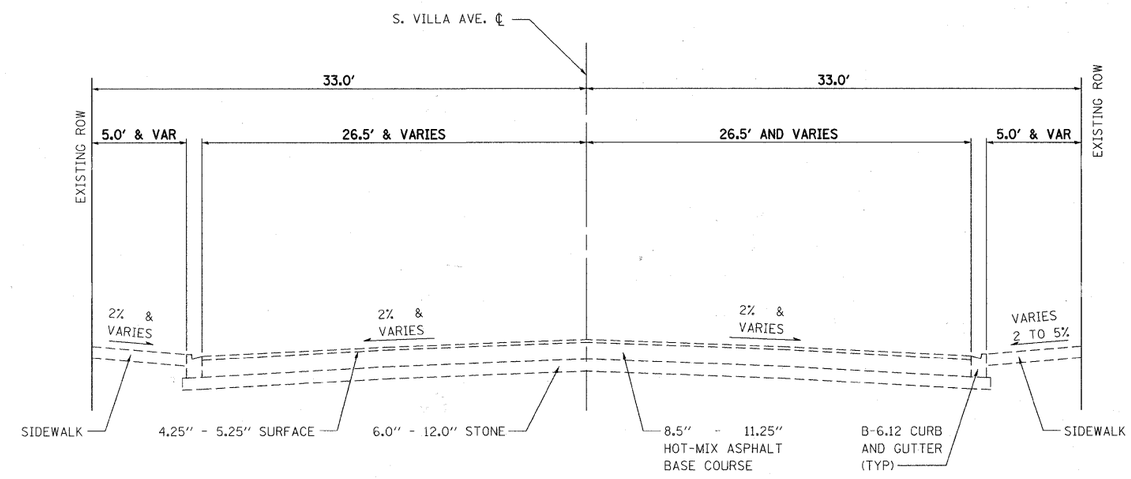
EXISTING TYPICAL SECTION

WILDWOOD AVENUE TO 400 FT SOUTH OF ST CHARLES ROAD
STA 109+47.00 TO STA 113+00.00



EXISTING TYPICAL SECTION

EAST PARK BOULEVARD TO WILDWOOD AVENUE
STA 101+14.00 TO 109+47.00



EXISTING TYPICAL SECTION

400 FT SOUTH OF ST CHARLES ROAD TO ST CHARLES ROAD
STA 113+00.00 TO STA 116+71.35

* FROM EAST PARK BOULEVARD (STA 101+14.00) TO CENTRAL BOULEVARD (STA 102+60.00) THIS AREA COMPRISED OF A 7 FT GRASSY PARKWAY WITH A 5 FT SIDEWALK.

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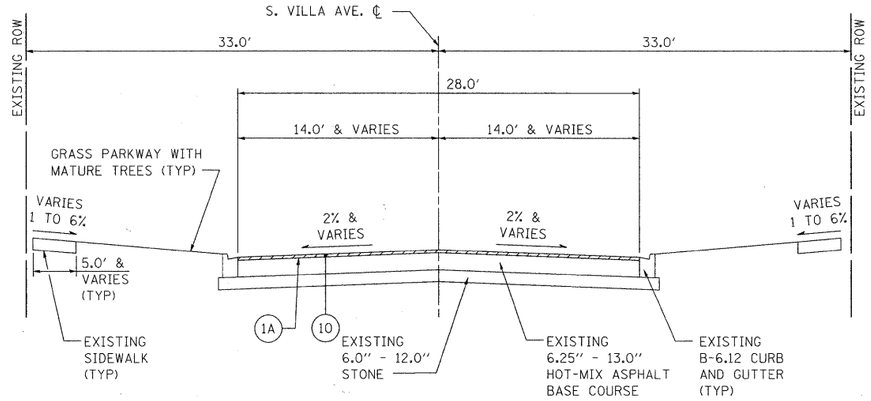
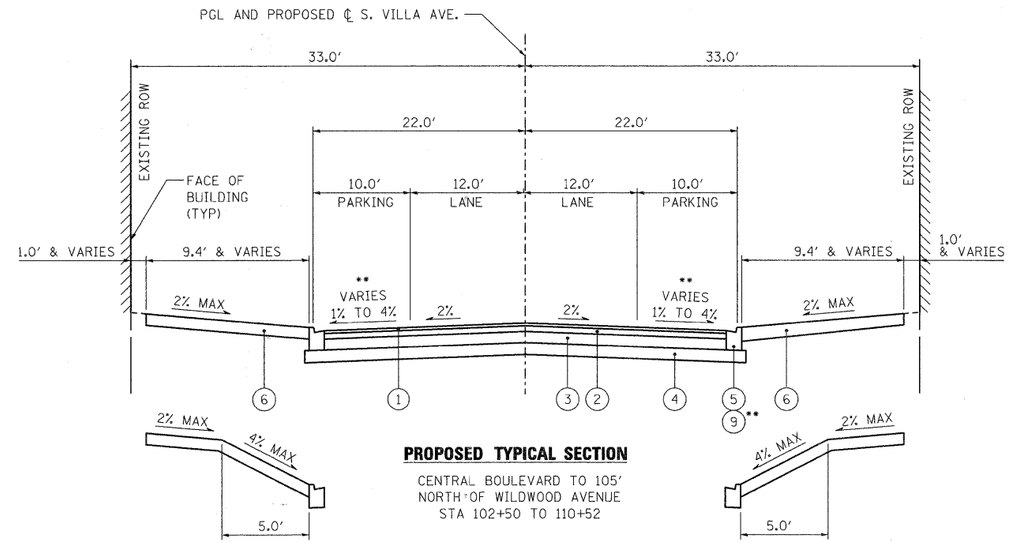
		DRAWN - E.D.	REVISED -					2652	00-00070-00-PV	DuPAGE	160	8
	PLOT SCALE = 1:1	CHECKED -	REVISED -							CONTRACT NO. 63379		
	PLOT DATE = 7/15/2010	DATE - 9/23/2009	REVISED -		SCALE: NO SCALE	SHEET NO. 1 OF 2 SHEETS	STA. 63+19.78 TO STA. 116+71.35		FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	



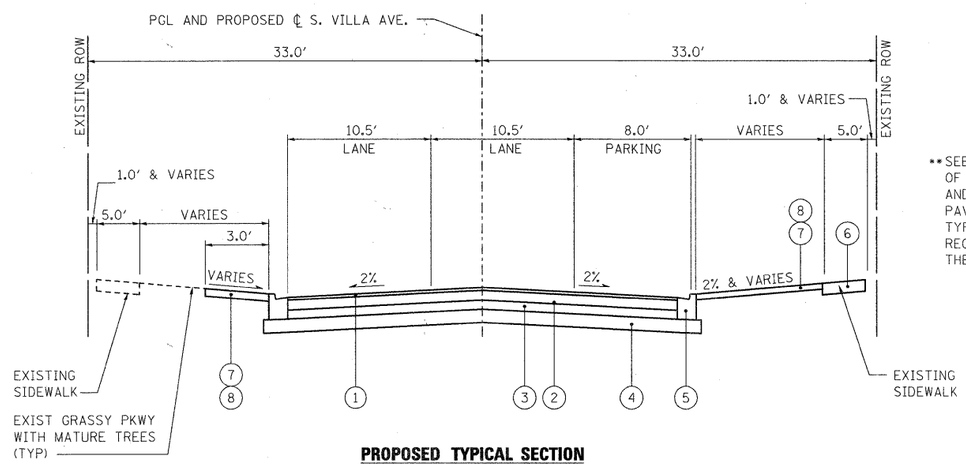
PROPOSED TYPICAL SECTION

STA 63+19.78 TO STA 66+16.00



PROPOSED TYPICAL SECTION

CENTRAL BOULEVARD TO 105' NORTH OF WILDWOOD AVENUE
STA 102+50 TO 110+52

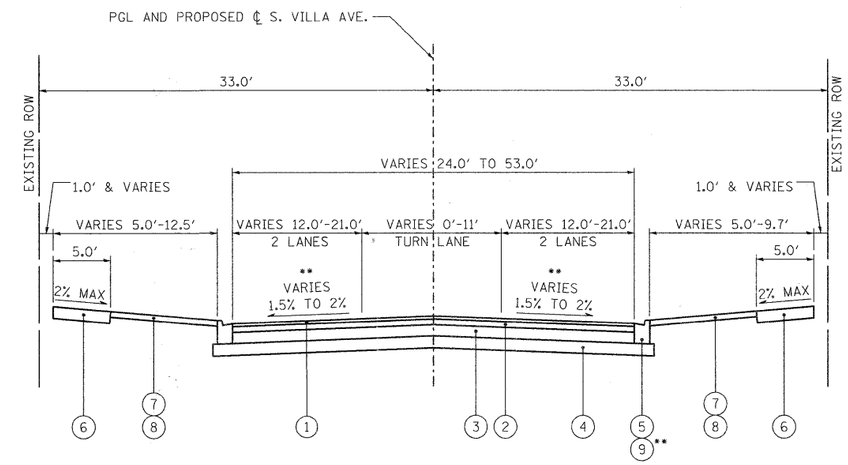


PROPOSED TYPICAL SECTION

250' NORTH OF MADISON STREET TO CRESCENT DR
STA 66+16 TO 98+41.50

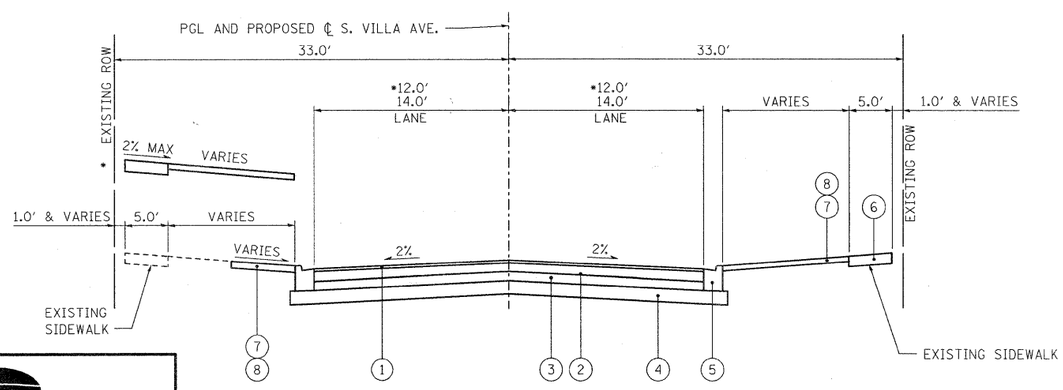
NOTE: NO PARKING ALLOWED
66+16 TO 67+80

**SEE CROSS SECTIONS FOR THE LIMITS OF PAVEMENT CROSS SLOPE WARPING AND TYPE B-4.12 CURB AND GUTTER. PAVEMENT CROSS SLOPE WARPING AND TYPE B-4.12 CURB AND GUTTER ARE REQUIRED FOR ADA COMPLIANCE FOR THE SIDEWALK.



PROPOSED TYPICAL SECTION

105' NORTH OF WILDWOOD AVENUE TO ST. CHARLES ROAD
STA 110+52 TO 116+71.35



* E. PARK BLVD. TO CENTRAL BLVD.
STA 101+14 TO 102+50

PROPOSED TYPICAL SECTION

CRESCENT DR. TO E. PARK BLVD.
STA 98+41.50 TO STA 102+50

PROPOSED LEGEND

1. HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2"
1A. HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 1 1/2"
2. HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2 1/4"
3. HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 4 1/2"
4. AGGREGATE SUBGRADE, 12"
5. COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
6. PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH
7. TOPSOIL FURNISH AND PLACE, 4"
8. SODDING, SALT TOLERANT
9. COMBINATION CONCRETE CURB AND GUTTER, TYPE B-4.12
10. HOT MIX ASPHALT SURFACE REMOVAL, 1 1/2"

REMOVAL ITEM

STRUCTURAL DESIGN TRAFFIC: YEAR 2015
PV = 7680 SU = 160 MU = 160
ROAD/STREET CLASSIFICATION : Class II
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:
P = 50% S = 50% M = 50%
TRAFFIC FACTOR: FLEXIBLE TF = 0.65 AC Type = N/A

PG GRADE: Binder = 64-28/58-22 Surface = 64-28
SUBGRADE SUPPORT RATING:
SSR = POOR (63+19.78 TO 116+71.39)

STRUCTURAL PAVEMENT DESIGN INFORMATION

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	PLOT DATE = 6/15/2010	DATE - 9/23/2009	REVISED -

VILLAGE OF VILLA PARK, ILLINOIS

PROPOSED TYPICAL SECTIONS

SCALE: NO SCALE | SHEET NO. 2 OF 2 SHEETS | STA. 63+19.78 TO STA. 116+71.35

F.A. U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2652	00-00070-00-PV	DuPAGE	160	9
		CONTRACT NO. 63379		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

STA	EARTH EXCAVATION	EXCAVATION FOR EMBANKMENT (ADJUSTED FOR SHRINKAGE)	EMBANKMENT	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	POROUS GRANULAR EMBANKMENT, SUBGRADE	FURNISHED EXCAVATION
	20200100			20201200	20700420	20400800
	CUBIC YARD	CUBIC YARD	CUBIC YARD	CUBIC YARD	CUBIC YARD	CUBIC YARD
STAGE 1						
66+16.00	0	0	0	0	0	0
66+23.40	3	3	1	0	0	2
66+27.30	2	1	1	0	0	1
66+50.00	9	8	2	0	0	6
66+73.40	10	8	2	0	0	6
66+81.98	4	3	1	0	0	2
67+00.00	8	6	0	0	0	6
67+03.66	2	1	0	0	0	1
67+22.32	7	6	2	0	0	4
67+50.00	8	7	3	0	0	4
67+72.50	5	4	3	0	0	1
67+78.30	1	1	1	0	0	0
68+00.00	5	4	1	0	0	3
68+42.34	10	9	1	0	0	8
68+50.00	2	2	0	0	0	2
68+62.03	4	3	1	0	0	2
69+00.00	15	13	4	0	0	8
69+13.23	6	5	1	0	0	5
69+48.59	18	15	2	0	0	14
69+50.00	1	1	0	0	0	1
69+63.48	7	6	1	0	0	5
70+00.00	20	17	3	0	0	14
70+11.21	6	5	1	0	0	4
70+39.02	15	13	2	0	0	11
70+50.00	6	5	0	0	0	5
70+63.17	7	6	1	0	0	5
70+92.82	15	13	3	0	0	10
71+00.00	4	3	0	0	0	3
71+13.33	6	5	1	0	0	4
71+50.00	16	14	3	0	0	11
71+54.00	2	1	0	0	0	1
71+62.92	4	3	1	0	0	2
72+00.00	14	12	4	0	0	8
72+09.43	3	3	1	0	0	2
72+17.83	3	2	1	0	0	1
72+50.00	11	10	3	0	0	7
72+63.67	5	4	0	0	0	4
72+72.34	3	3	1	0	0	2
73+00.00	10	9	2	0	0	6
73+18.58	7	6	1	0	0	5
73+22.33	1	1	1	0	0	1
73+50.00	12	10	2	0	0	8
73+73.19	11	10	1	0	0	8
74+00.00	15	12	2	0	0	11
74+23.57	14	12	0	0	0	12
74+30.59	4	3	0	0	0	3
74+50.00	12	10	1	0	0	9
74+79.27	18	16	0	0	0	16
74+93.52	9	7	0	0	0	7
75+00.00	4	3	0	0	0	3
75+29.94	15	12	2	0	0	11
75+37.74	3	3	1	0	0	2

STA	EARTH EXCAVATION	EXCAVATION FOR EMBANKMENT (ADJUSTED FOR SHRINKAGE)	EMBANKMENT	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	POROUS GRANULAR EMBANKMENT, SUBGRADE	FURNISHED EXCAVATION
	20200100			20201200	20700420	20400800
	CUBIC YARD	CUBIC YARD	CUBIC YARD	CUBIC YARD	CUBIC YARD	CUBIC YARD
75+50.00	5	4	0	0	0	4
75+80.23	9	7	3	0	0	5
76+00.00	5	4	2	0	0	2
76+37.90	9	8	4	0	0	4
76+39.95	1	0	0	0	0	0
76+50.00	4	4	1	0	0	3
76+65.86	31	26	1	0	0	26
76+94.26	51	44	1	0	0	43
77+00.00	2	1	0	0	0	1
77+50.00	16	13	0	0	0	13
77+98.88	15	13	0	0	0	13
78+00.00	0	0	0	0	0	0
78+50.00	16	13	4	0	0	9
78+52.95	1	1	0	0	0	0
78+62.61	3	2	2	0	0	1
79+00.00	9	8	6	0	0	2
79+02.60	1	1	0	0	0	0
79+06.59	1	1	1	0	0	0
79+46.57	12	11	3	0	0	8
79+50.00	1	1	0	0	0	1
79+70.54	6	5	2	0	0	4
80+00.00	7	6	2	0	0	3
80+04.46	1	1	0	0	0	1
80+50.00	7	6	0	0	0	6
80+71.74	3	2	3	0	0	0
80+76.83	1	1	1	0	0	-1
81+00.00	3	2	2	0	0	0
81+22.31	2	2	3	0	0	-1
81+50.00	3	2	3	0	0	-1
81+63.31	1	1	0	0	0	1
81+79.82	2	2	2	0	0	0
82+00.00	2	2	2	0	0	0
82+19.68	2	1	0	0	0	1
82+50.00	2	2	1	0	0	1
82+61.97	1	1	1	0	0	0
82+71.43	0	0	1	0	0	-1
83+00.00	1	1	3	0	0	-2
83+21.29	1	1	2	0	0	-1
83+27.09	0	0	1	0	0	-1
83+50.00	2	2	3	0	0	-1
83+83.02	3	2	4	0	0	-1
83+89.37	0	0	1	0	0	-1
84+00.00	1	1	1	0	0	0
84+37.49	3	3	4	0	0	-1
84+50.00	1	1	1	0	0	0
84+54.37	0	0	0	0	0	0
85+00.00	5	4	0	0	0	4
85+32.23	3	2	4	0	0	-1
85+50.00	1	1	2	0	0	-1
85+88.53	5	4	4	0	0	0
85+97.47	1	1	2	0	0	-1
86+00.00	0	0	1	0	0	0
86+50.00	6	5	10	0	0	-5

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Illinois Firm Registration No. 184-001533
(773) 693-2624

FILE NAME = 010-015_650sched01.dgn	USER NAME = $USER$	DESIGNED - J.G.	REVISED -	VILLAGE OF VILLA PARK, ILLINOIS	SCHEDULE OF QUANTITIES	F.A. U RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
		DRAWN - E.D.	REVISED -			2652	00-00070-00-PV	DuPAGE	160 / 10
	PLOT SCALE = 1:1	CHECKED -	REVISED -					CONTRACT NO. 63379	
	PLOT DATE = 6/15/2010	DATE - 9/23/2009	REVISED -		SCALE: NO SCALE / SHEET NO. 1 OF 6 SHEETS / STA. 63+19.78 TO STA. 116+71.35	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	

STA	EARTH EXCAVATION	EXCAVATION FOR EMBANKMENT (ADJUSTED FOR SHRINKAGE)	EMBANKMENT	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	POROUS GRANULAR EMBANKMENT, SUBGRADE	FURNISHED EXCAVATION
	20200100			20201200	20700420	20400800
	CUBIC YARD	CUBIC YARD	CUBIC YARD	CUBIC YARD	CUBIC YARD	CUBIC YARD
86+50.25	0	0	0	0	0	0
87+00.00	6	5	0	0	0	5
87+29.89	2	2	0	0	0	2
87+50.00	1	1	0	0	0	1
87+92.40	5	4	5	0	0	-1
87+95.61	0	0	1	0	0	0
88+00.00	1	1	1	0	0	-1
88+17.84	3	3	2	0	0	0
88+49.37	4	4	2	0	0	2
88+50.00	0	0	0	0	0	0
89+00.00	3	3	3	0	0	-1
89+50.00	3	2	1	0	0	1
89+69.83	2	2	1	0	0	0
89+98.31	7	6	1	0	0	5
90+00.00	1	1	0	0	0	1
90+23.35	6	5	0	0	0	4
90+26.61	0	0	0	0	0	0
90+50.00	1	1	2	0	0	-1
91+00.00	3	2	2	0	0	0
91+02.91	0	0	0	0	0	0
91+17.09	0	0	2	0	0	-2
91+50.00	1	1	8	0	0	-7
91+87.36	2	2	8	0	0	-6
92+00.00	1	1	3	0	0	-2
92+28.92	1	1	12	0	0	-12
92+50.00	0	0	10	0	0	-9
92+86.37	1	1	17	0	0	-16
93+00.00	0	0	6	0	0	-6
93+32.33	1	1	9	0	0	-8
93+50.00	0	0	6	0	0	-6
93+56.67	0	0	3	0	0	-3
93+87.60	1	1	11	0	0	-11
94+00.00	0	0	3	0	0	-2
94+09.47	0	0	4	0	0	-3
94+34.18	0	0	9	0	0	-8
94+50.00	0	0	5	0	0	-5
94+84.04	1	0	11	0	0	-10
95+00.00	0	0	2	0	0	-2
95+12.23	0	0	3	0	0	-3
95+50.00	1	1	8	0	0	-7
95+63.28	0	0	2	0	0	-2
95+74.21	1	0	1	0	0	-1
96+00.00	2	2	0	0	0	2
96+23.86	2	2	3	0	0	-1
96+50.00	2	2	3	0	0	-1
97+00.00	6	5	0	0	0	5
97+26.31	4	3	2	0	0	1
97+47.46	3	3	4	0	0	-1
97+50.00	0	0	0	0	0	0
98+00.00	10	9	5	0	0	4
98+41.50	11	9	0	0	0	9
98+50.00	2	2	0	0	0	2
98+61.80	3	3	1	0	0	2

STA	EARTH EXCAVATION	EXCAVATION FOR EMBANKMENT (ADJUSTED FOR SHRINKAGE)	EMBANKMENT	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	POROUS GRANULAR EMBANKMENT, SUBGRADE	FURNISHED EXCAVATION
	20200100			20201200	20700420	20400800
	CUBIC YARD	CUBIC YARD	CUBIC YARD	CUBIC YARD	CUBIC YARD	CUBIC YARD
98+76.58	4	3	2	0	0	1
98+83.98	2	2	1	0	0	1
99+00.00	5	4	2	0	0	3
99+35.21	13	11	4	0	0	7
99+50.00	6	5	2	0	0	4
100+00.00	0	0	0	27	4	0
100+50.00	0	0	0	32	9	0
101+00.00	0	0	0	54	32	0
101+05.69	0	0	0	8	5	0
101+10.90	0	0	0	8	5	0
101+50.00	0	0	7	48	25	-7
101+90.82	0	0	8	28	8	-8
102+00.00	0	0	2	6	2	-2
102+50.00	0	0	10	42	9	-10
102+57.03	0	0	0	7	1	0
103+00.00	0	0	0	47	4	0
103+45.29	0	0	0	52	4	0
103+50.00	0	0	0	5	1	0
104+00.00	0	0	1	54	4	-1
104+50.00	64	55	1	0	0	54
104+55.98	8	7	0	0	0	7
105+00.00	43	36	8	0	0	28
105+50.00	38	32	11	0	0	21
105+69.10	17	14	1	0	0	13
106+00.00	31	26	1	0	0	26
106+50.00	43	37	12	0	0	25
106+69.88	0	0	9	15	0	-9
107+00.00	0	0	11	21	1	-11
107+50.00	0	0	9	40	1	-9
107+50.50	0	0	0	1	0	0
107+93.06	0	0	0	44	0	0
108+00.00	0	0	0	7	0	0
108+30.43	0	0	0	30	0	0
108+50.00	0	0	0	19	0	0
109+00.00	36	30	10	0	0	20
109+46.68	73	62	9	0	0	53
109+50.00	8	7	2	0	0	5
110+00.00	56	47	41	0	0	7
110+50.00	0	0	31	0	0	-31
110+87.05	1	1	32	0	0	-32
110+94.12	0	0	8	0	0	-8
111+00.00	0	0	7	0	0	-7
111+35.53	1	1	36	0	0	-35
111+50.00	1	0	12	0	0	-11
112+00.00	3	3	25	0	0	-23
112+32.91	4	3	7	0	0	-4
112+50.00	2	2	2	0	0	0
112+52.59	0	0	0	0	0	0
113+00.00	5	4	11	0	0	-6
113+22.37	2	1	10	0	0	-9
113+50.00	2	2	17	0	0	-15
113+74.29	1	1	17	0	0	-16
114+00.00	1	0	17	0	0	-16

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STA	EARTH EXCAVATION	EXCAVATION FOR EMBANKMENT (ADJUSTED FOR SHRINKAGE)	EMBANKMENT	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	POROUS GRANULAR EMBANKMENT, SUBGRADE	FURNISHED EXCAVATION
	20200100			20201200	20700420	20400800
	CUBIC YARD	CUBIC YARD	CUBIC YARD	CUBIC YARD	CUBIC YARD	CUBIC YARD
114+22.95	1	0	13	0	0	-13
114+50.00	1	1	14	0	0	-14
114+68.86	0	0	5	0	0	-5
115+00.00	1	0	12	0	0	-11
115+22.14	0	0	17	0	0	-17
115+50.00	0	0	22	0	0	-22
116+00.00	1	1	39	0	0	-38
116+50.00	1	1	31	0	0	-30
116+71.35	0	0	12	0	0	-12
SUBTOTAL	**1252**	**1064**	**906**	**592**	**116**	**158**
STAGE 2						
66+16.00	0	0	0	0	0	0
66+23.40	3	3	1	0	0	2
66+27.30	2	1	1	0	0	1
66+50.00	9	7	2	0	0	5
66+73.40	9	8	0	0	0	8
66+81.98	3	3	1	0	0	2
67+00.00	7	6	2	0	0	4
67+03.66	1	1	0	0	0	1
67+22.32	6	5	1	0	0	4
67+50.00	8	7	0	0	0	7
67+72.50	6	5	2	0	0	4
67+78.30	1	1	1	0	0	0
68+00.00	4	4	3	0	0	1
68+42.34	10	8	6	0	0	2
68+50.00	2	2	1	0	0	0
68+62.03	3	3	1	0	0	2
69+00.00	13	11	1	0	0	11
69+13.23	6	5	0	0	0	5
69+48.59	17	14	3	0	0	11
69+50.00	1	1	0	0	0	0
69+63.48	7	6	1	0	0	5
70+00.00	20	17	0	0	0	17
70+11.21	6	5	0	0	0	5
70+39.02	15	13	2	0	0	11
70+50.00	6	5	1	0	0	4
70+63.17	7	6	0	0	0	6
70+92.82	13	11	3	0	0	8
71+00.00	3	3	1	0	0	2
71+13.33	6	5	0	0	0	5
71+50.00	15	13	3	0	0	9
71+54.00	2	1	1	0	0	0
71+62.92	3	3	1	0	0	2
72+00.00	13	11	0	0	0	11
72+09.43	3	3	1	0	0	2
72+17.83	3	2	1	0	0	1
72+50.00	11	9	1	0	0	8
72+63.67	4	3	2	0	0	2
72+72.34	3	2	1	0	0	1
73+00.00	9	8	0	0	0	8
73+18.58	7	6	2	0	0	4
73+22.33	1	1	1	0	0	0

STA	EARTH EXCAVATION	EXCAVATION FOR EMBANKMENT (ADJUSTED FOR SHRINKAGE)	EMBANKMENT	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	POROUS GRANULAR EMBANKMENT, SUBGRADE	FURNISHED EXCAVATION
	20200100			20201200	20700420	20400800
	CUBIC YARD	CUBIC YARD	CUBIC YARD	CUBIC YARD	CUBIC YARD	CUBIC YARD
73+50.00	11	9	3	0	0	6
73+73.19	10	9	0	0	0	9
74+00.00	14	12	0	0	0	12
74+23.57	12	10	2	0	0	8
74+30.59	4	3	1	0	0	2
74+50.00	10	9	0	0	0	9
74+79.27	16	13	3	0	0	11
74+93.52	8	7	3	0	0	4
75+00.00	3	3	1	0	0	2
75+29.94	14	12	2	0	0	10
75+37.74	3	3	1	0	0	2
75+50.00	4	4	1	0	0	2
75+80.23	8	7	1	0	0	6
76+00.00	4	4	1	0	0	3
76+37.90	9	8	4	0	0	3
76+39.95	1	0	0	0	0	0
76+50.00	5	4	1	0	0	3
76+65.86	32	27	0	0	0	27
76+94.26	52	44	0	0	0	44
77+00.00	2	2	0	0	0	2
77+50.00	18	15	0	0	0	15
77+98.88	18	16	3	0	0	13
78+00.00	0	0	0	0	0	0
78+50.00	21	18	3	0	0	15
78+52.95	1	1	0	0	0	1
78+62.61	4	3	0	0	0	3
79+00.00	18	15	1	0	0	15
79+02.60	1	1	0	0	0	1
79+06.59	1	1	0	0	0	1
79+46.57	14	12	2	0	0	10
79+50.00	1	1	0	0	0	1
79+70.54	8	7	0	0	0	6
80+00.00	9	7	2	0	0	6
80+04.46	1	1	1	0	0	0
80+50.00	10	9	3	0	0	6
80+71.74	7	6	0	0	0	5
80+76.83	1	1	0	0	0	1
81+00.00	4	3	1	0	0	2
81+22.31	4	4	0	0	0	4
81+50.00	5	5	0	0	0	5
81+63.31	2	2	1	0	0	1
81+79.82	3	3	1	0	0	1
82+00.00	5	4	0	0	0	4
82+19.68	5	4	2	0	0	2
82+50.00	7	6	3	0	0	3
82+61.97	2	2	0	0	0	2
82+71.43	2	1	0	0	0	1
83+00.00	5	4	0	0	0	4
83+21.29	3	2	2	0	0	0
83+27.09	1	1	1	0	0	0
83+50.00	3	3	1	0	0	1
83+83.02	6	5	2	0	0	4
83+89.37	1	1	1	0	0	0

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STA	EARTH EXCAVATION	EXCAVATION FOR EMBANKMENT (ADJUSTED FOR SHRINKAGE)	EMBANKMENT	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	POROUS GRANULAR EMBANKMENT, SUBGRADE	FURNISHED EXCAVATION
	20200100			20201200	20700420	20400800
	CUBIC YARD	CUBIC YARD	CUBIC YARD	CUBIC YARD	CUBIC YARD	CUBIC YARD
84+00.00	1	1	1	0	0	0
84+37.49	6	5	0	0	0	5
84+50.00	2	1	1	0	0	0
84+54.37	1	0	1	0	0	0
85+00.00	6	5	5	0	0	0
85+32.23	4	4	4	0	0	0
85+50.00	2	2	2	0	0	0
85+88.53	8	7	0	0	0	7
85+97.47	2	2	1	0	0	1
86+00.00	1	1	0	0	0	0
86+50.00	11	10	4	0	0	5
86+50.25	0	0	0	0	0	0
87+00.00	9	8	0	0	0	8
87+29.89	4	3	3	0	0	0
87+50.00	3	2	2	0	0	0
87+92.40	7	6	3	0	0	3
87+95.61	0	0	0	0	0	0
88+00.00	1	1	0	0	0	0
88+17.84	2	2	2	0	0	0
88+49.37	3	3	3	0	0	0
88+50.00	0	0	0	0	0	0
89+00.00	6	5	0	0	0	5
89+50.00	10	9	0	0	0	9
89+69.83	5	4	1	0	0	3
89+98.31	8	7	1	0	0	6
90+00.00	1	1	0	0	0	1
90+23.35	4	4	2	0	0	2
90+26.61	0	0	0	0	0	0
90+50.00	1	1	1	0	0	0
91+00.00	1	1	9	0	0	-8
91+02.91	0	0	1	0	0	-1
91+17.09	0	0	3	0	0	-3
91+50.00	1	1	4	0	0	-4
91+87.36	0	0	12	0	0	-11
92+00.00	0	0	4	0	0	-4
92+28.92	0	0	8	0	0	-7
92+50.00	0	0	7	0	0	-6
92+86.37	0	0	12	0	0	-12
93+00.00	0	0	4	0	0	-4
93+32.33	0	0	13	0	0	-12
93+50.00	0	0	7	0	0	-7
93+56.67	0	0	2	0	0	-1
93+87.60	0	0	10	0	0	-10
94+00.00	0	0	4	0	0	-4
94+09.47	0	0	2	0	0	-2
94+34.18	0	0	8	0	0	-8
94+50.00	0	0	5	0	0	-5
94+84.04	1	1	9	0	0	-8
95+00.00	0	0	4	0	0	-3
95+12.23	0	0	1	0	0	0
95+50.00	1	1	1	0	0	0
95+63.28	1	0	0	0	0	0
95+74.21	1	0	1	0	0	-1

STA	EARTH EXCAVATION	EXCAVATION FOR EMBANKMENT (ADJUSTED FOR SHRINKAGE)	EMBANKMENT	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	POROUS GRANULAR EMBANKMENT, SUBGRADE	FURNISHED EXCAVATION
	20200100			20201200	20700420	20400800
	CUBIC YARD	CUBIC YARD	CUBIC YARD	CUBIC YARD	CUBIC YARD	CUBIC YARD
96+00.00	3	2	3	0	0	-1
96+23.86	4	3	2	0	0	1
96+50.00	4	3	2	0	0	1
97+00.00	8	6	0	0	0	6
97+26.31	5	4	0	0	0	4
97+47.46	5	4	0	0	0	4
97+50.00	1	1	0	0	0	1
98+00.00	12	10	0	0	0	10
98+41.50	11	9	0	0	0	9
98+50.00	2	2	0	0	0	2
98+61.80	4	3	0	0	0	3
98+76.58	7	6	0	0	0	6
98+83.98	4	3	0	0	0	3
99+00.00	7	6	0	0	0	6
99+35.21	14	12	0	0	0	12
99+50.00	6	5	0	0	0	5
100+00.00	0	0	0	30	5	0
100+50.00	0	0	1	33	9	-1
101+00.00	0	0	1	54	35	-1
101+05.69	0	0	0	9	6	0
101+10.90	0	0	0	8	5	0
101+50.00	0	0	7	45	25	-7
101+90.82	0	0	14	25	7	-14
102+00.00	0	0	3	5	1	-3
102+50.00	0	0	7	80	39	-7
102+57.03	0	0	0	18	10	0
103+00.00	0	0	1	80	33	-1
103+45.29	0	0	4	50	0	-4
103+50.00	0	0	1	5	0	-1
104+00.00	0	0	4	58	0	-4
104+50.00	64	54	0	0	0	54
104+55.98	8	7	0	0	0	7
105+00.00	43	37	5	0	0	31
105+50.00	41	35	12	0	0	23
105+69.10	17	15	5	0	0	10
106+00.00	30	26	5	0	0	21
106+50.00	57	49	2	0	1	47
106+69.88	0	0	0	23	1	0
107+00.00	0	0	0	34	3	0
107+50.00	0	0	8	45	4	-8
107+50.50	0	0	0	0	0	0
107+93.06	0	0	14	28	0	-14
108+00.00	0	0	3	4	0	-3
108+30.43	0	0	12	18	0	-12
108+50.00	0	0	8	11	0	-8
109+00.00	27	23	16	0	0	6
109+46.68	63	54	6	0	0	48
109+50.00	7	6	0	0	0	6
110+00.00	57	49	12	0	0	37
110+50.00	2	2	40	0	0	-38
110+87.05	1	1	40	0	0	-39
110+94.12	0	0	7	0	0	-7
111+00.00	0	0	6	0	0	-5

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FILE NAME = 010-015_650sched01.dgn	USER NAME = $USER$	DESIGNED - .	REVISED -
		DRAWN - .	REVISED -
	PLOT SCALE = 1:1	CHECKED -	REVISED -
	PLOT DATE = 6/15/2010	DATE - .	REVISED -

VILLAGE OF VILLA PARK, ILLINOIS

SCHEDULE OF QUANTITIES

SCALE: NO SCALE | SHEET NO. 4 OF 6 SHEETS | STA. 63+19.78 TO STA. 116+71.35

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2652	00-00070-00-PV	DuPAGE	160	13

CONTRACT NO. 63379

FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT

STA	EARTH EXCAVATION	EXCAVATION FOR EMBANKMENT (ADJUSTED FOR SHRINKAGE)	EMBANKMENT	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	POROUS GRANULAR EMBANKMENT, SUBGRADE	FURNISHED EXCAVATION
	20200100			20201200	20700420	20400800
	CUBIC YARD	CUBIC YARD	CUBIC YARD	CUBIC YARD	CUBIC YARD	CUBIC YARD
111+35.53	1	1	34	0	0	-34
111+50.00	1	1	13	0	0	-12
112+00.00	4	3	43	0	0	-40
112+32.91	1	0	28	0	0	-28
112+50.00	0	0	14	0	0	-14
112+52.59	0	0	2	0	0	-2
113+00.00	0	0	38	0	0	-38
113+22.37	0	0	18	0	0	-17
113+50.00	0	0	20	0	0	-20
113+74.29	0	0	18	0	0	-18
114+00.00	0	0	17	0	0	-17
114+22.95	0	0	12	0	0	-11
114+50.00	2	1	11	0	0	-10
114+68.86	2	1	7	0	0	-6
115+00.00	2	2	15	0	0	-14
115+22.14	1	1	14	0	0	-13
115+50.00	1	1	19	0	0	-19
116+00.00	2	1	34	0	0	-32
116+50.00	1	1	23	0	0	-23
116+71.35	0	0	7	0	0	-7
SUBTOTAL	**1332**	**1132**	**908**	**667**	**185**	**224**
TOTAL	**2584**	**2196**	**1814**	**1258**	**301**	**382**

A SHRINKAGE FACTOR OF 15% WAS USED TO DETERMINE THE FINAL VOLUME OF EXCAVATED MATERIAL TO BE USED FOR EMBANKMENT.

TREE REMOVAL (6 TO 15 UNITS DIAMETER), UNIT

STA	OFFSET	SIDE	DIAM (FT)	QTY (UNITS)
103+18.94	24.56	LT	1.0	12
108+73.90	24.2016	LT	0.5	6
110+35.99	24.59	LT	0.5	6
111+58.67	27.45	RT	0.7	9
115+72.84	36.63	RT	0.7	9

TOTAL = 42.00 **UNITS**

TREE REMOVAL (OVER 15 UNITS DIAMETER), UNIT

STA	OFFSET	SIDE	DIAM (FT)	QTY (UNITS)
102+74.80	25.42	RT	1.3	16

TOTAL = 16.00 **UNITS**

70400100
TEMPORARY CONCRETE BARRIER, FOOT

STAGE	FROM STA	TO STA	QTY (FOOT)
STAGE 1	102+03.2	104+03.2	200.0
STAGE 1	104+88.3	108+88.3	400.0

TOTAL = **600.0** **FOOT**

TREE, GINKGO BILOBA PRINCETON SENTRY (PRINCETON SENTRY GINKGO), 2-1/2"CALIPER, BALLED AND BURLAPPED, EACH

STA	OFFSET	SIDE	QTY (EACH)
101+45.23	19.77	RT	1
101+75.23	20.98	LT	1
102+26.71	25.10	RT	1
103+11.30	25.10	RT	1
103+13.34	25.08	LT	1
104+00.97	25.08	LT	1
105+30.43	25.01	RT	1
106+00.79	25.01	RT	1
106+05.98	25.08	LT	1
107+11.59	25.08	LT	1
108+79.28	25.10	RT	1
110+02.12	25.08	LT	1
110+48.07	25.10	RT	1
111+15.63	21.52	LT	1
111+87.17	24.40	RT	1
112+13.69	19.36	LT	1
113+16.32	22.59	LT	1

TOTAL = 17.00 **EACH**

TREE, PYRUS CALLERYANA CHANTICLEER CHANTICLEER CALLERY PEAR), 2-1/2" CALIPER, TREE FORM, BALLED AND BURLAPPED, EACH

STA	OFFSET	SIDE	QTY (EACH)
101+41.79	21.14	LT	1
101+75.23	19.77	RT	1
102+04.95	21.04	LT	1
102+26.71	25.10	RT	1
103+46.30	25.10	RT	1
103+71.02	25.08	LT	1
105+44.59	25.08	LT	1
105+65.44	25.01	RT	1
106+76.59	25.08	LT	1
108+39.28	25.10	RT	1
108+75.48	25.08	LT	1
110+13.07	25.10	RT	1
110+37.12	25.08	LT	1
111+18.38	22.96	RT	1
111+83.74	19.35	LT	1
112+86.36	21.98	LT	1

TOTAL = 16.00 **EACH**

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PARK BENCHES, EACH

LOCATION	QTY (EACH)
SW X OF VILLA/PARK	1
NW X OF VILLA/KENWORTH	1
SE X OF VILLA/KENWORTH	1
NW X OF VILLA/WILDWOOD	1
SE X OF VILLA/WILDWOOD	1

TOTAL = 5.00 **EACH**

TRASH RECEPTACLES, EACH

LOCATION	QTY (EACH)
VILLA/PARK SW X	1
VILLA/CENTRAL SW X	1
VILLA/CENTRAL SE X	1
VILLA/CENTRAL NW X	1
VILLA/KENILWORTH SW X	1
VILLA/OVALTINE NE X	1
VILLA/GREAT WESTERN TRAIL SW X	1
VILLA/GREAT WESTERN TRAIL NE X	1
VILLA/WILDWOOD SW X	1
VILLA/WILDWOOD NE X	1

TOTAL = 10.00 **EACH**

BICYCLE RACKS, EACH

LOCATION	QTY (EACH)
VILLA/PARK NW X	1
VILLA/PARK NE X	1
VILLA/CENTRAL SW X	1
VILLA/CENTRAL SE X	1
VILLA/GREAT WESTERN TRAIL LEFT SIDE	2

TOTAL = 6.00 **EACH**

IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2, EACH

STAGE	STA	QTY (EACH)
STAGE 1	104+24.13	1.0
STAGE 1	109+09.21	1.0

TOTAL = **2.0** **EACH**

CAST IRON TREE GRATES, EACH

STA	OFFSET	SIDE	TREE TYPE	QTY (EACH)
101+45.23	19.77	RT	GINKGO	1
101+75.23	20.98	LT	GINKGO	1
102+26.71	25.10	RT	GINKGO	1
103+11.30	25.10	RT	GINKGO	1
103+13.34	25.08	LT	GINKGO	1
104+00.97	25.08	LT	GINKGO	1
105+30.43	25.01	RT	GINKGO	1
106+00.79	25.01	RT	GINKGO	1
106+05.98	25.08	LT	GINKGO	1
107+11.59	25.08	LT	GINKGO	1
108+79.28	25.10	RT	GINKGO	1
110+02.12	25.08	LT	GINKGO	1
110+48.07	25.10	RT	GINKGO	1
111+15.63	21.52	LT	GINKGO	1
111+87.17	24.40	RT	GINKGO	1
112+13.69	19.36	LT	GINKGO	1
113+16.32	22.59	LT	GINKGO	1
101+41.79	21.14	LT	PYRUS	1
101+75.23	19.77	RT	PYRUS	1
102+04.95	21.04	LT	PYRUS	1
102+26.71	25.10	RT	PYRUS	1
103+46.30	25.10	RT	PYRUS	1
103+71.02	25.08	LT	PYRUS	1
105+44.59	25.08	LT	PYRUS	1
105+65.44	25.01	RT	PYRUS	1
106+76.59	25.08	LT	PYRUS	1
108+39.28	25.10	RT	PYRUS	1
108+75.48	25.08	LT	PYRUS	1
110+13.07	25.10	RT	PYRUS	1
110+37.12	25.08	LT	PYRUS	1
111+18.38	22.96	RT	PYRUS	1
111+83.74	19.35	LT	PYRUS	1
112+86.36	21.98	LT	PYRUS	1
107+14.49	24.96	RT	EXISTING	1
107+47.85	25.71	RT	EXISTING	1
107+80.69	25.5686	RT	EXISTING	1

TOTAL = 36.00 **EACH**

TREE TRUNK PROTECTION

STA	TO STA	QUANTITY (EA)
63+00	67+00	4
67+00	73+00	22
73+00	78+80	19
78+80	84+80	24
84+80	90+80	16
90+80	96+80	22
96+80	102+80	12
102+80	108+80	9
108+80	114+00	2
114+00	117+00	0
	Total =	**130**

Note: Stationing shown is approximate

INLET PROTECTION (EXISTING STRUCTURES)

STA	OFFSET	QUANTITY (EA)
63+10	LT, RT	2
67+90	LT, RT	2
71+10	LT, RT	2
73+60	LT, RT	2
76+50	LT, RT	2
78+85	LT, RT	2
85+50	LT, RT	2
87+40	LT, RT	2
92+45	LT, RT	2
95+45	LT, RT	2
98+50	LT	1
98+90	LT, RT	2
100+80	LT, RT	2
100+95	RT	1
101+20	LT	1
101+30	LT	1
101+45	LT	1
102+45	LT	1
104+40	RT	1
104+80	RT	1
104+90	LT	1
105+75	LT, RT	2
109+30	RT	1
109+70	LT, RT	2
110+80	LT, RT	2
116+45	LT	1
116+55	RT	1
	Total =	**42**

Note: Stationing shown is approximate

INLET PROTECTION (PROPOSED STRUCTURES)

STA	OFFSET	QUANTITY (EA)
65+30	LT, RT	2
67+90	LT, RT	2
71+10	LT, RT	2
73+60	LT, RT	2
76+50	LT, RT	2
78+90	LT, RT	2
85+22	LT, RT	2
87+40	LT, RT	2
92+45	LT, RT	2
95+45	LT, RT	2
98+58	LT	1
98+90	LT	1
99+00	RT	1
100+92	LT	1
100+95	RT	1
101+22	LT	1
101+26	RT	1
102+33	LT	2
102+70	RT	1
105+75	LT, RT	2
108+35	LT, RT	2
109+28	LT, RT	2
109+70	LT, RT	2
110+75	LT, RT	2
113+95	LT, RT	1
116+45	LT	1
116+55	RT	1
	Total =	**43**

Note: Stationing shown is approximate

PERIMETER EROSION CONTROL FENCE

STA	TO STA		QUANTITY (LF)
63+50	67+00	LT	360
		RT	350
67+00	73+00	LT	500
		RT	470
73+00	78+80	LT	450
		RT	450
78+80	84+80	LT	460
		RT	450
84+80	90+80	LT	460
		RT	460
90+80	96+80	LT	475
		RT	450
96+80	102+80	LT	500
		RT	500
102+80	108+80	LT	450
		RT	550
108+80	114+00	LT	400
		RT	350
114+00	117+00	LT	0
		RT	0
		Total =	**8085**

Note: Stationing shown is approximate

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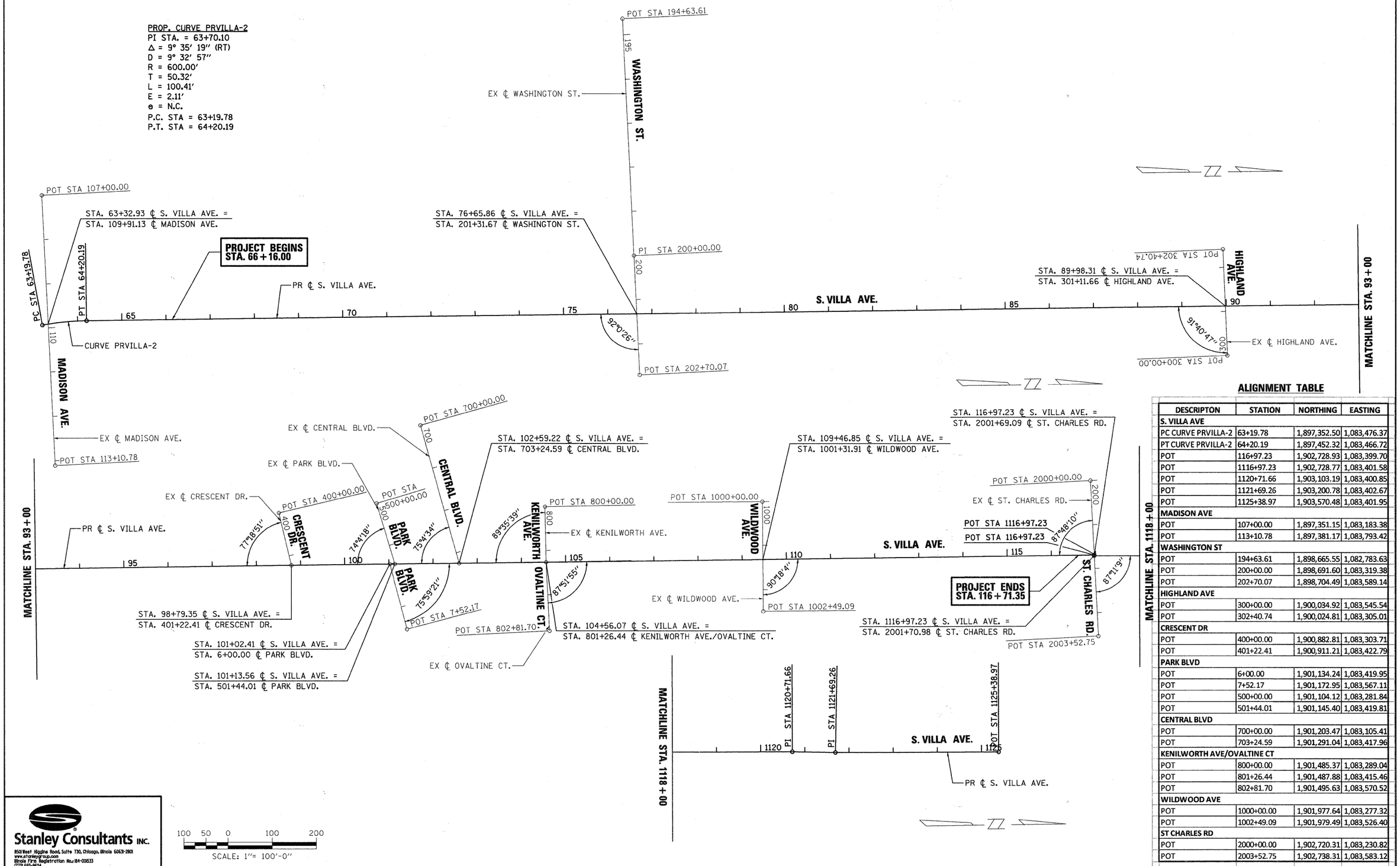

ALIGNMENT TABLE

DESCRIPTON	STATION	NORTHING	EASTING
S. VILLA AVE			
PC CURVE PRVILLA-2	63+19.78	1,897,352.50	1,083,476.37
PT CURVE PRVILLA-2	64+20.19	1,897,452.32	1,083,466.72
POT	116+97.23	1,902,728.93	1,083,399.70
POT	1116+97.23	1,902,728.77	1,083,401.58
POT	1120+71.66	1,903,103.19	1,083,400.85
POT	1121+69.26	1,903,200.78	1,083,402.67
POT	1125+38.97	1,903,570.48	1,083,401.95
MADISON AVE			
POT	107+00.00	1,897,351.15	1,083,183.38
POT	113+10.78	1,897,381.17	1,083,793.42
WASHINGTON ST			
POT	194+63.61	1,898,665.55	1,082,783.63
POT	200+00.00	1,898,691.60	1,083,319.38
POT	202+70.07	1,898,704.49	1,083,589.14
HIGHLAND AVE			
POT	300+00.00	1,900,034.92	1,083,545.54
POT	302+40.74	1,900,024.81	1,083,305.01
CRESCENT DR			
POT	400+00.00	1,900,882.81	1,083,303.71
POT	401+22.41	1,900,911.21	1,083,422.79
PARK BLVD			
POT	6+00.00	1,901,134.24	1,083,419.95
POT	7+52.17	1,901,172.95	1,083,567.11
POT	500+00.00	1,901,104.12	1,083,281.84
POT	501+44.01	1,901,145.40	1,083,419.81
CENTRAL BLVD			
POT	700+00.00	1,901,203.47	1,083,105.41
POT	703+24.59	1,901,291.04	1,083,417.96
KENILWORTH AVE/OVALTINE CT			
POT	800+00.00	1,901,485.37	1,083,289.04
POT	801+26.44	1,901,487.88	1,083,415.46
POT	802+81.70	1,901,495.63	1,083,570.52
WILDWOOD AVE			
POT	1000+00.00	1,901,977.64	1,083,277.32
POT	1002+49.09	1,901,979.49	1,083,526.40
ST CHARLES RD			
POT	2000+00.00	1,902,720.31	1,083,230.82
POT	2003+52.75	1,902,738.31	1,083,583.12

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FILE NAME = 016.650tie01.dgn	USER NAME = $USER$	DESIGNED - J.G.	REVISED -	VILLAGE OF VILLA PARK, ILLINOIS	ALIGNMENT, TIES AND BENCHMARKS
		DRAWN - E.D.	REVISED -		
	PLOT SCALE = 1:100	CHECKED -	REVISED -		
	PLOT DATE = 6/15/2010	DATE - 9/23/2009	REVISED -		SCALE: 1″=100′ SHEET NO. 1 OF 2 SHEETS STA. 63+19.78 TO STA. 116+71.35

F.A. U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2652	00-00070-00-PV	DuPAGE	160	16
		CONTRACT NO. 63379		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTROL SET

CP 100 FND. CUT "X" NW QUAD OF MADISON AND S. VILLA AVE

CP 101 SET 24"-5/8 REBAR W/CAP - NW QUAD OF WASHINGTON AND S. VILLA AVE

CP 102 SET "MAG" @ ℄ OF S. VILLA AVE AND ℄ OF WASHINGTON ST

CP 103 SET "MAG" @ ℄ OF S. VILLA AVE AND ℄ OF HIGHLAND AVE

CP 104 SET 24"-5/8 REBAR W/CAP - SE QUAD OF HIGHLAND AVE AND S. VILLA AVE

CP 105 SET "MAG" @ INTERSECTION OF S. VILLA AVE AND CRESCENT DR ℄/℄

CP 106 SET 24"-5/8 REBAR W/CAP @ SE QUAD OF PARK BLVD AND S. VILLA AVE

CP 107 SET "MAG" @ INTERSECTION OF CENTRAL BLVD AND S. VILLA AVE ℄

CP 108 SET "MAG" @ INTERSECTION OF KENILWORTH AND S. VILLA AVE ℄

CP 109 FND. CUT "X" // NW QUAD OF KENILWORTH AND S. VILLA AVE

CP 111 SET "MAG" @ INTERSECTION OF WILDWOOD AVE AND S. VILLA AVE

CP 113 FND. CUT "X" NW QUAD OF WILDWOOD AVE AND S. VILLA AVE

BENCHMARK:

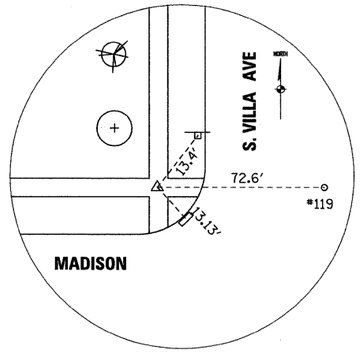
FEMA RM3 CUT "X" ON TOP OF NW CORNER OF CONCRETE WINGWALL OF SOUTH VILLA AVE BRIDGE OVER SUGAR CREEK
ELEV = 663.67

BM #13 FIRE HYDRANT @ 726 VILLA AVENUE, W. FLANGE BOLT, SOUTHERN MOST
ELEV = 684.18

BM #20 FIRE HYDRANT @ SW CORNER OF S. VILLA AVE. & PARK BLVD., WEST FLANGE BOLT, SOUTHERN MOST
ELEV = 679.25

BM #24 FIRE HYDRANT @ 300' SOUTH OF S. VILLA AVE. & ST. CHARLES RD. IN WEST ROW, W. FLANGE BOLT, SOUTHERN MOST
ELEV = 676.74

NOTE: ALL ELEVATIONS REFER TO THE NAVD 88 VERTICAL DATUM



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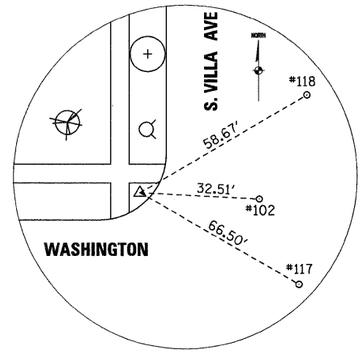

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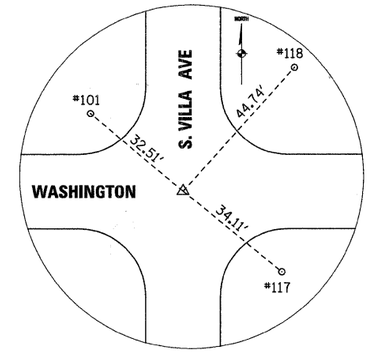

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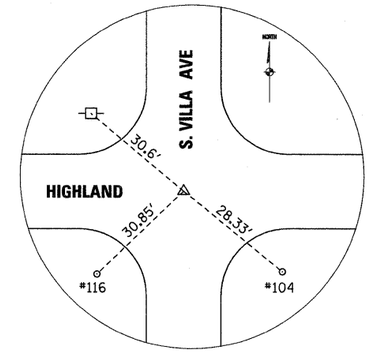

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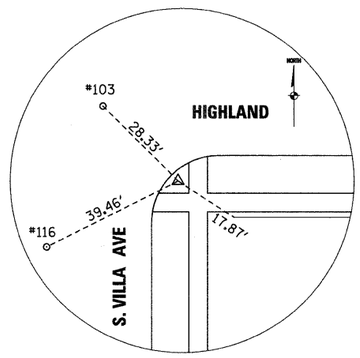

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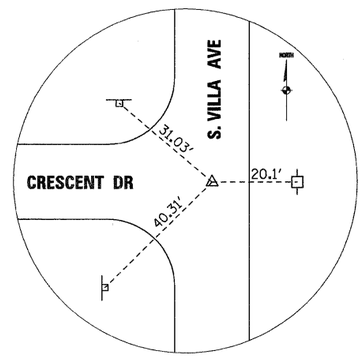

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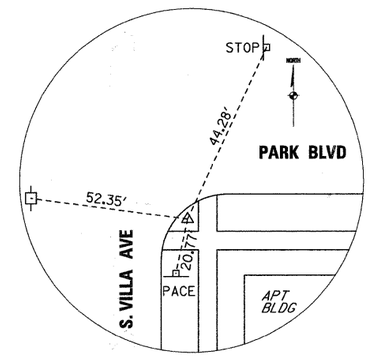

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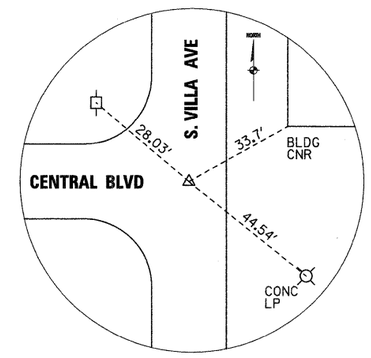

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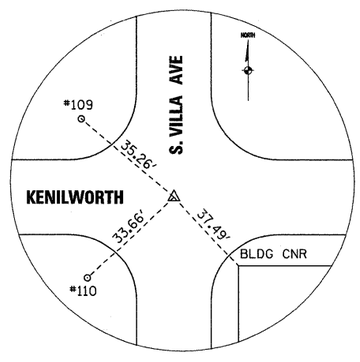

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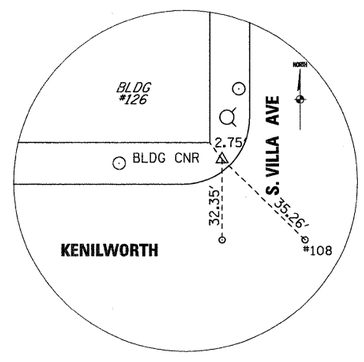

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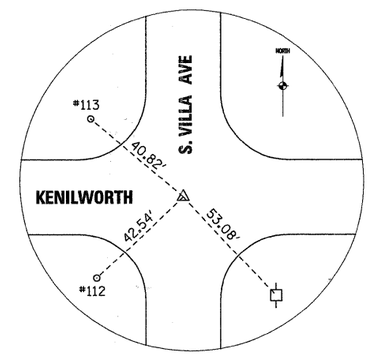

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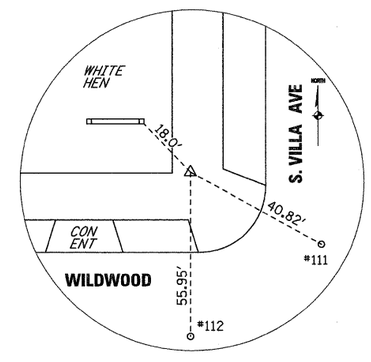

CP113
N= 1,902,006.536
E= 1,083,378.988
EL= 675.08

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FILE NAME = 017_650tie02.dgn	USER NAME = $USER$	DESIGNED - J.G.	REVISED -	VILLAGE OF VILLA PARK, ILLINOIS	ALIGNMENT, TIES AND BENCHMARKS	F.A. U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - E.D.	REVISED -			2652	00-00070-00-PV	DuPAGE	160	17
	PLOT SCALE = 1:1	CHECKED -	REVISED -					CONTRACT NO. 63379		
	PLOT DATE = 6/15/2010	DATE - 9/23/2009	REVISED -		SCALE: NO SCALE / SHEET NO. 2 OF 2 SHEETS / STA. 63+19.78 TO STA. 116+71.35	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

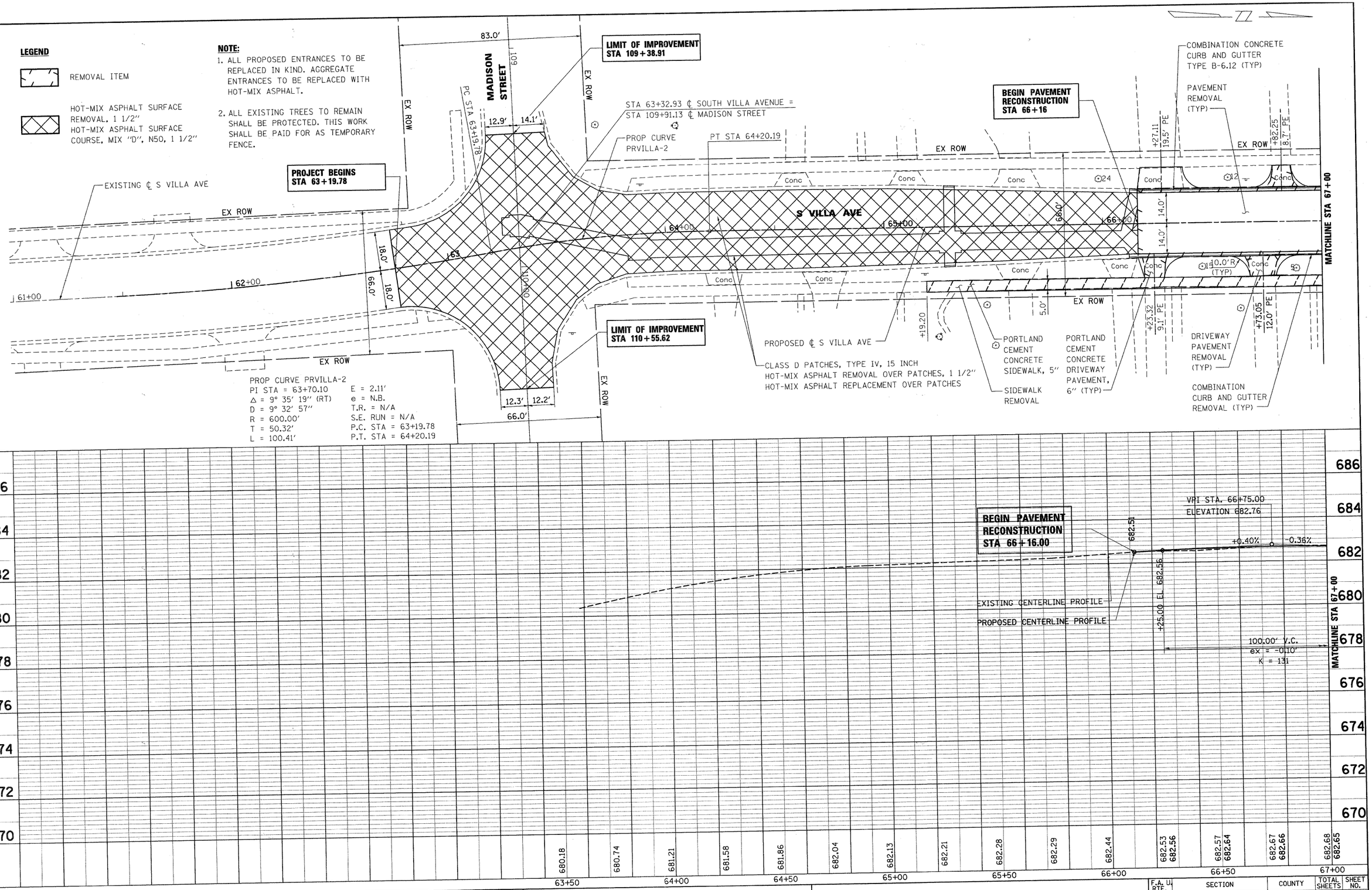
LEGEND

REMOVAL ITEM

HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 1 1/2"

NOTE:

1. ALL PROPOSED ENTRANCES TO BE REPLACED IN KIND. AGGREGATE ENTRANCES TO BE REPLACED WITH HOT-MIX ASPHALT.
2. ALL EXISTING TREES TO REMAIN SHALL BE PROTECTED. THIS WORK SHALL BE PAID FOR AS TEMPORARY FENCE.



PLAN — SURVEYED / PLOTTED / ALIGNMENT CHECKED / P.T. OF M.V. CHECKED / PLAN FILE NAME — NOTE BOOK NO. — BY — DATE

PROFILE — SURVEYED / PLOTTED / GRADES CHECKED / BY MAYOR / STRUCTURE NOTATNS CHKD — NOTE BOOK NO. — BY — DATE

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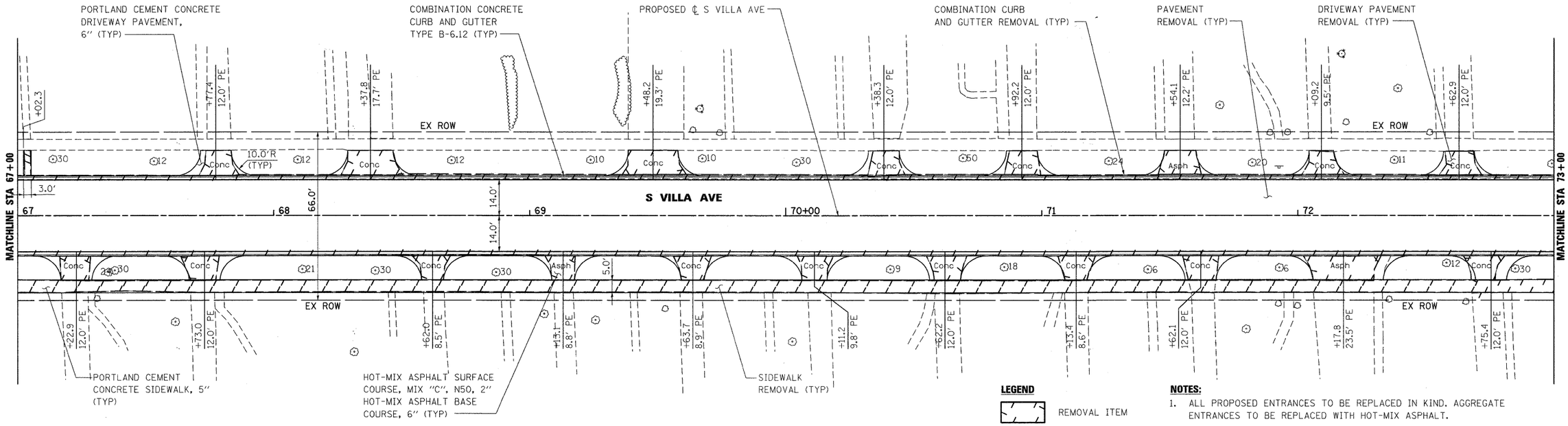
		DRAWN - E.D.	REVISED -
	PLOT SCALE = 1:20	CHECKED -	REVISED -
	PLOT DATE = 6/15/2010	DATE - 9/23/2009	REVISED -

VILLAGE OF VILLA PARK, ILLINOIS

PLAN AND PROFILE

SCALE: 1"=20' | SHEET NO. 1 OF 11 SHEETS | STA. 63+19.78 TO STA. 116+71.35

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2652	00-00070-00-PV	DuPAGE	160	18
		CONTRACT NO. 63379		
		ILLINOIS FED. AID PROJECT		

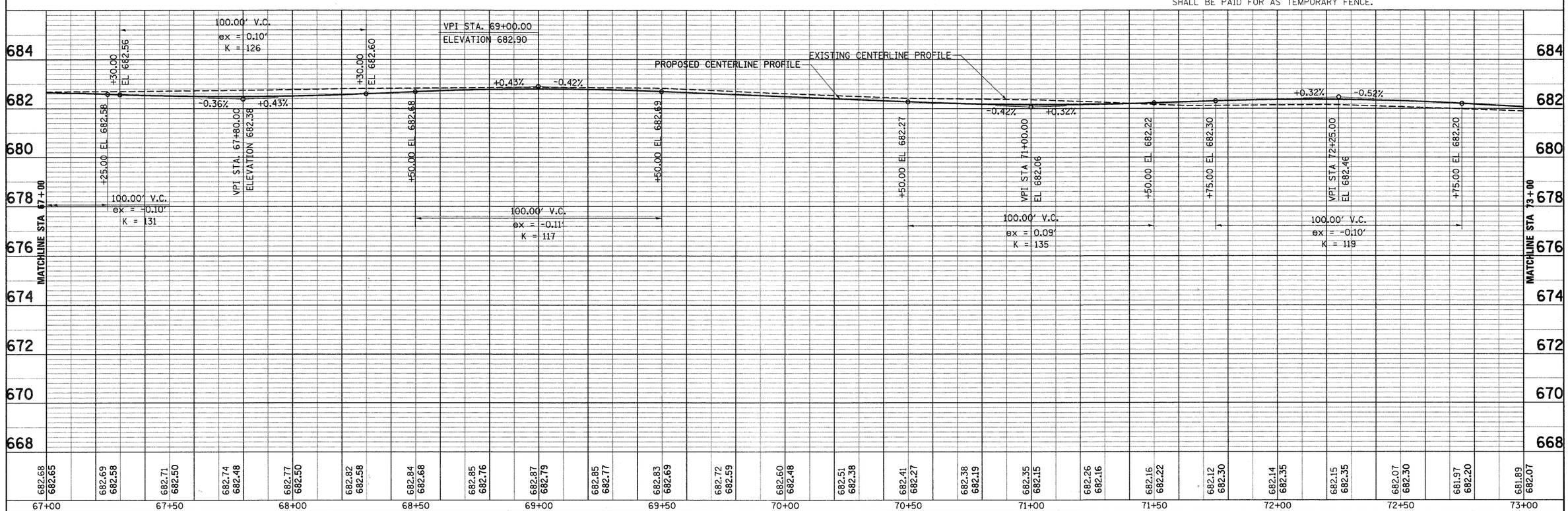


LEGEND

REMOVAL ITEM

NOTES:

1. ALL PROPOSED ENTRANCES TO BE REPLACED IN KIND. AGGREGATE ENTRANCES TO BE REPLACED WITH HOT-MIX ASPHALT.
2. ALL EXISTING TREES TO REMAIN SHALL BE PROTECTED. THIS WORK SHALL BE PAID FOR AS TEMPORARY FENCE.



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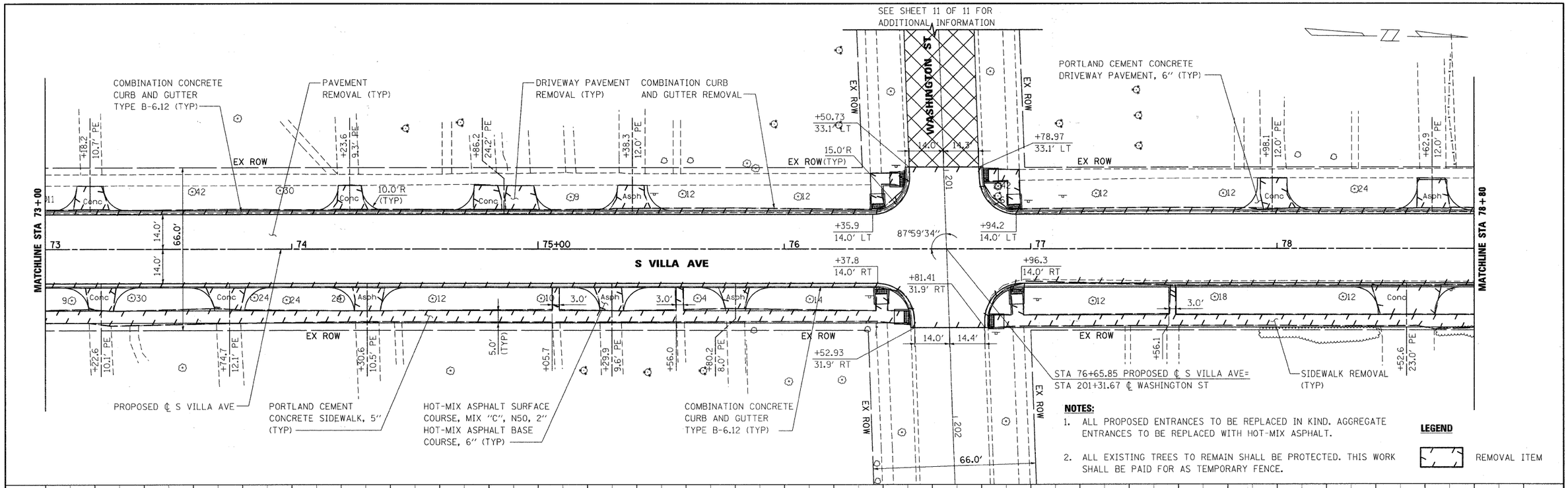
		DRAWN - E.D.	REVISED -			2652	00-00070-00-PV	DuPAGE	160	19
	PLOT SCALE = 1:20	CHECKED -	REVISED -					CONTRACT NO. 63379		
	PLOT DATE = 6/15/2010	DATE - 9/23/2009	REVISED -		SCALE: 1"=20' SHEET NO. 2 OF 11 SHEETS STA. 63+19.78 TO STA. 116+71.35		ILLINOIS FED. AID PROJECT			

PLAN — SURVEYED / PLOTTED / ALIGNMENTS CHECKED / ALL OF WAY CHECKED / CADD FILE NAME — NOTE BOOK — NO. — BY — DATE

PROFILE — SURVEYED / PLOTTED / GRADES CHECKED / HYDraulics CHECKED / STRUCTURE NOTAT'NS CHKD — NOTE BOOK — NO. — BY — DATE

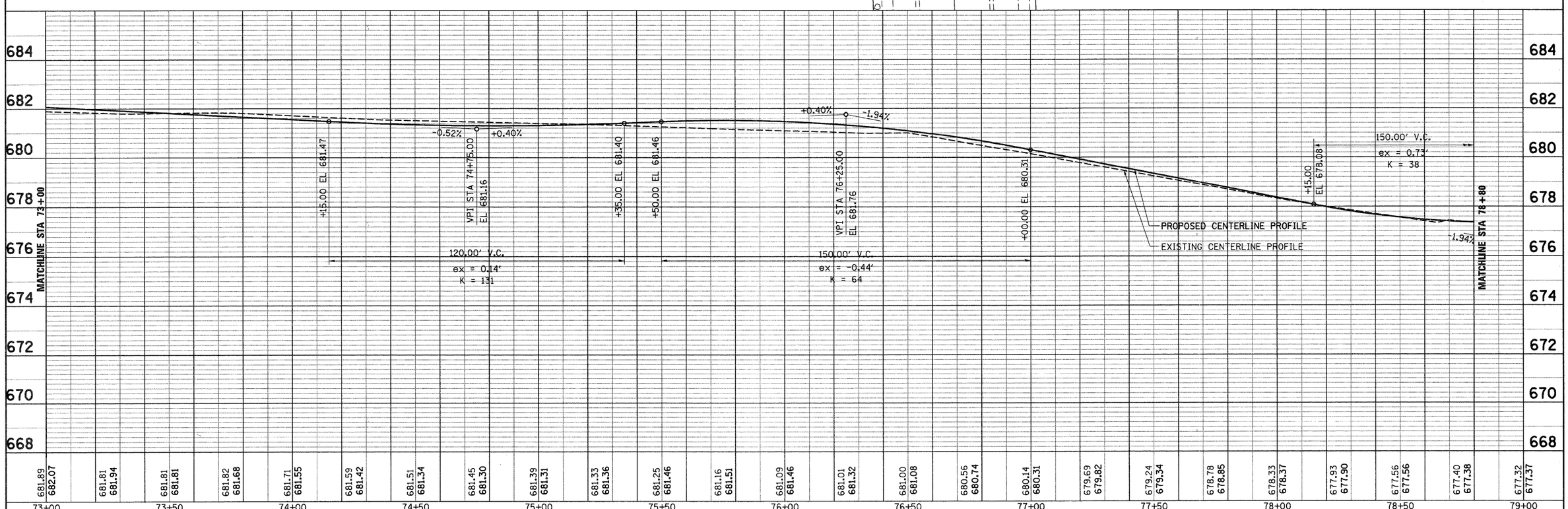


NOTES:

1. ALL PROPOSED ENTRANCES TO BE REPLACED IN KIND. AGGREGATE ENTRANCES TO BE REPLACED WITH HOT-MIX ASPHALT.
2. ALL EXISTING TREES TO REMAIN SHALL BE PROTECTED. THIS WORK SHALL BE PAID FOR AS TEMPORARY FENCE.

LEGEND

REMOVAL ITEM



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		DRAWN - E.D.	REVISED -
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	PLOT DATE = 6/15/2010	DATE - 9/23/2009	REVISED -

VILLAGE OF VILLA PARK, ILLINOIS

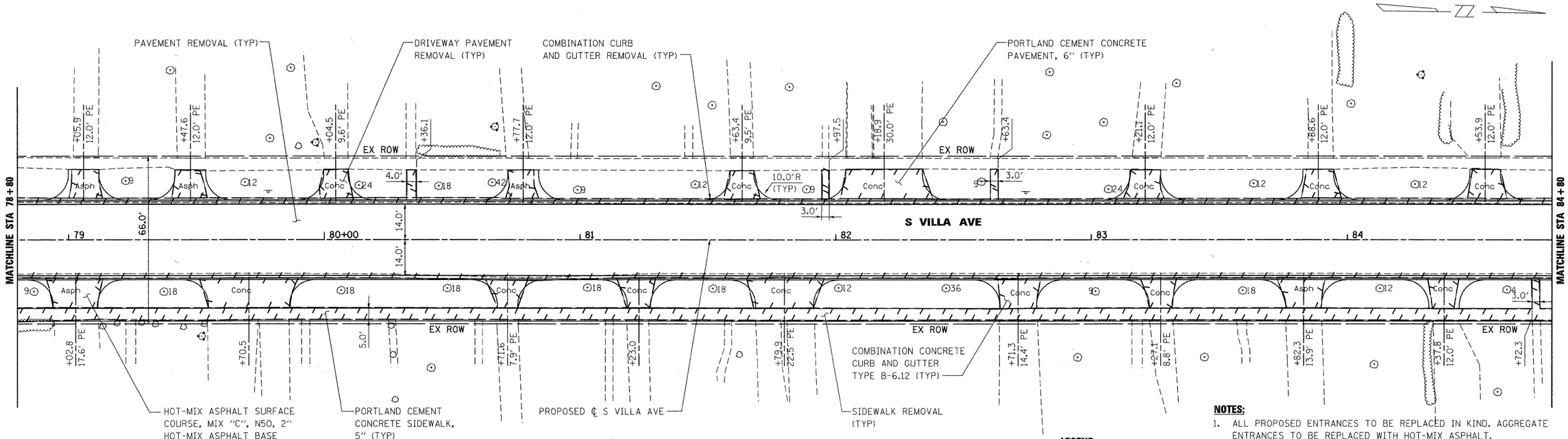
PLAN AND PROFILE

SCALE: 1"=20' | SHEET NO. 3 OF 11 SHEETS | STA. 63+19.78 TO STA. 116+71.35

F.A. U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2652	00-00070-00-PV	DuPAGE	160	20
		CONTRACT NO. 63379		
		ILLINOIS FED. AID PROJECT		

PLAN: SURVEYED / PLOTTED / ALIGNMENT CHECKED / RO-WAY CHECKED / CADD FILE NAME — NOTE BOOK — NO. — BY — DATE

PROFILE: SURVEYED / PLOTTED / GRADES CHECKED / RO-WAY CHECKED / STRUCTURE NOTATNS CHKD — NOTE BOOK — NO. — BY — DATE

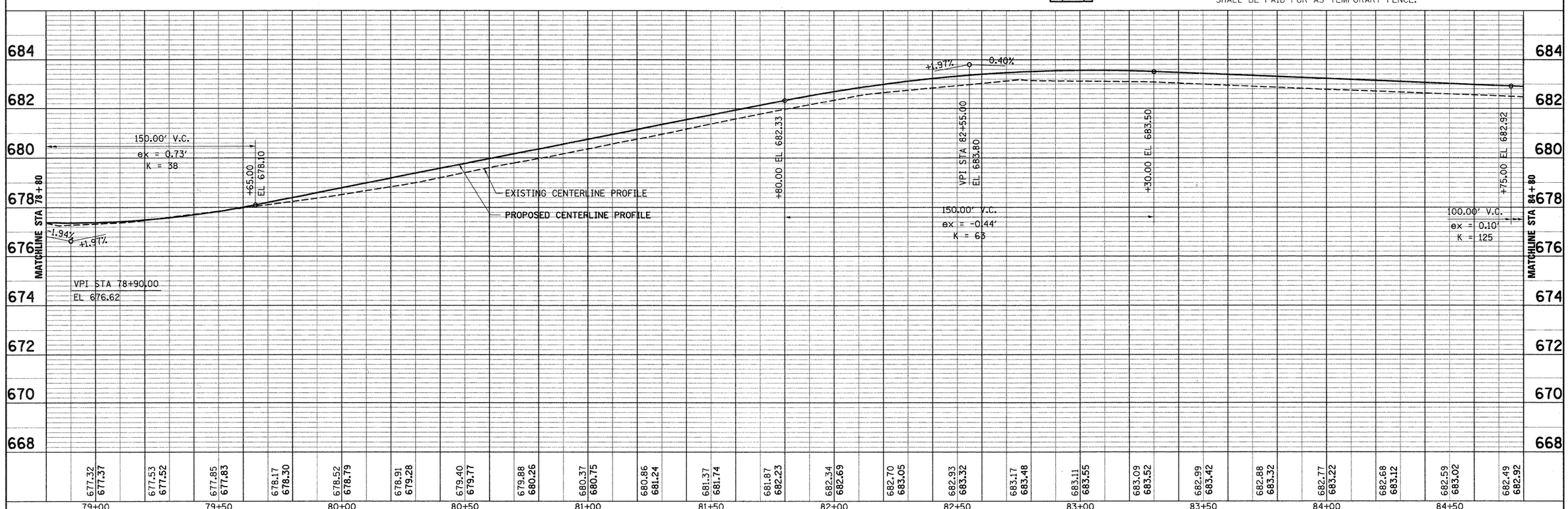


LEGEND

REMOVAL ITEM

NOTES:

1. ALL PROPOSED ENTRANCES TO BE REPLACED IN KIND. AGGREGATE ENTRANCES TO BE REPLACED WITH HOT-MIX ASPHALT.
2. ALL EXISTING TREES TO REMAIN SHALL BE PROTECTED. THIS WORK SHALL BE PAID FOR AS TEMPORARY FENCE.



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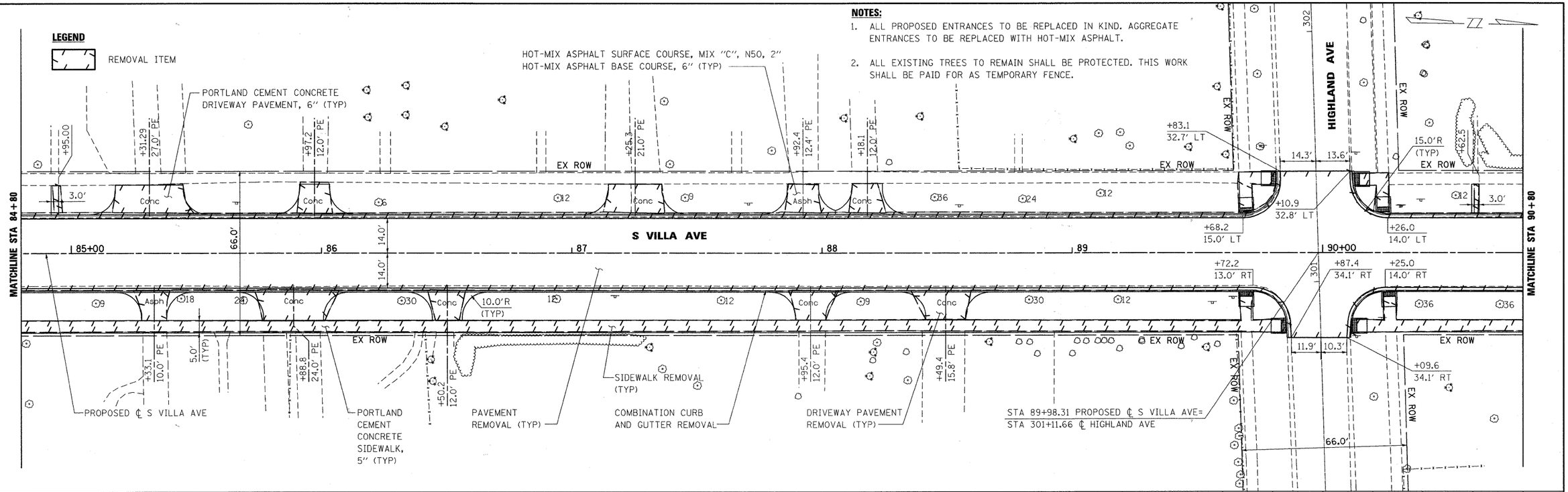
		DRAWN - E.D.	REVISED -			COUNTY DuPAGE	TOTAL SHEETS 160
	PLOT SCALE = 1:20	CHECKED -	REVISED -			SHEET NO. 21	CONTRACT NO. 63379
	PLOT DATE = 6/15/2010	DATE - 9/23/2009	REVISED -		SCALE: 1"=20' / SHEET NO. 4 OF 11 SHEETS / STA. 63+19.78 TO STA. 116+71.35		ILLINOIS FED. AID PROJECT

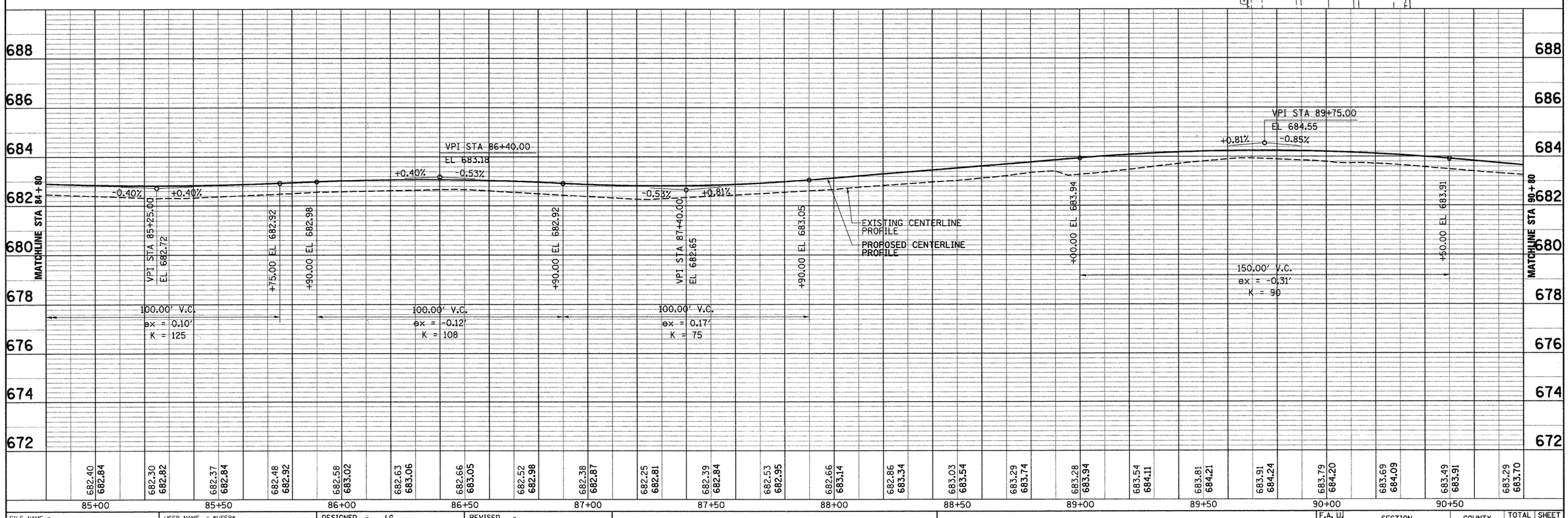
PLAN — SURVEYED / PLOTTED / ALIGNMENT CHECKED / R.O.W. MARKED / CADD FILE NAME / NOTE BOOK / NO. / BY / DATE

PROFILE — SURVEYED / PLOTTED / GRADES CHECKED / B.M. NOTED / STRUCTURE NOTAT'NS CHK'D / NOTE BOOK / NO. / BY / DATE

NOTES:

1. ALL PROPOSED ENTRANCES TO BE REPLACED IN KIND. AGGREGATE ENTRANCES TO BE REPLACED WITH HOT-MIX ASPHALT.
2. ALL EXISTING TREES TO REMAIN SHALL BE PROTECTED. THIS WORK SHALL BE PAID FOR AS TEMPORARY FENCE.





PLAN		BY	DATE
SURVEYED			
PLOTTED			
ALIGNMENT CHECKED			
NOTE BOOK	ALL NOTES CHECKED		
NO.	CADD FILE NAME		

PROFILE		BY	DATE
SURVEYED			
PLOTTED			
GRADES CHECKED			
NOTE BOOK	ALL NOTES CHECKED		
NO.	STRUCTURE NOTAT'NS CHKD		

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		DRAWN - E.D.	REVISED -
	PLOT SCALE = 1:20	CHECKED -	REVISED -
	PLOT DATE = 6/15/2010	DATE - 9/23/2009	REVISED -

VILLAGE OF VILLA PARK, ILLINOIS

PLAN AND PROFILE

SCALE: 1"=20' | SHEET NO. 5 OF 11 SHEETS | STA. 63+19.78 TO STA. 116+71.35

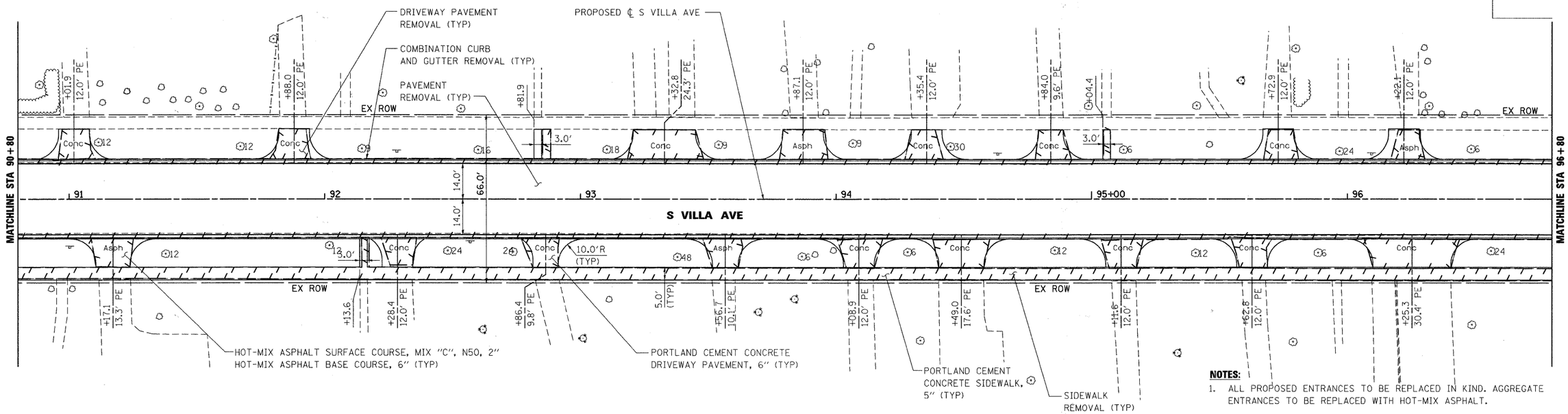
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2652	00-00070-00-PV	DuPAGE	160	22

CONTRACT NO. 63379

ILLINOIS FED. AID PROJECT

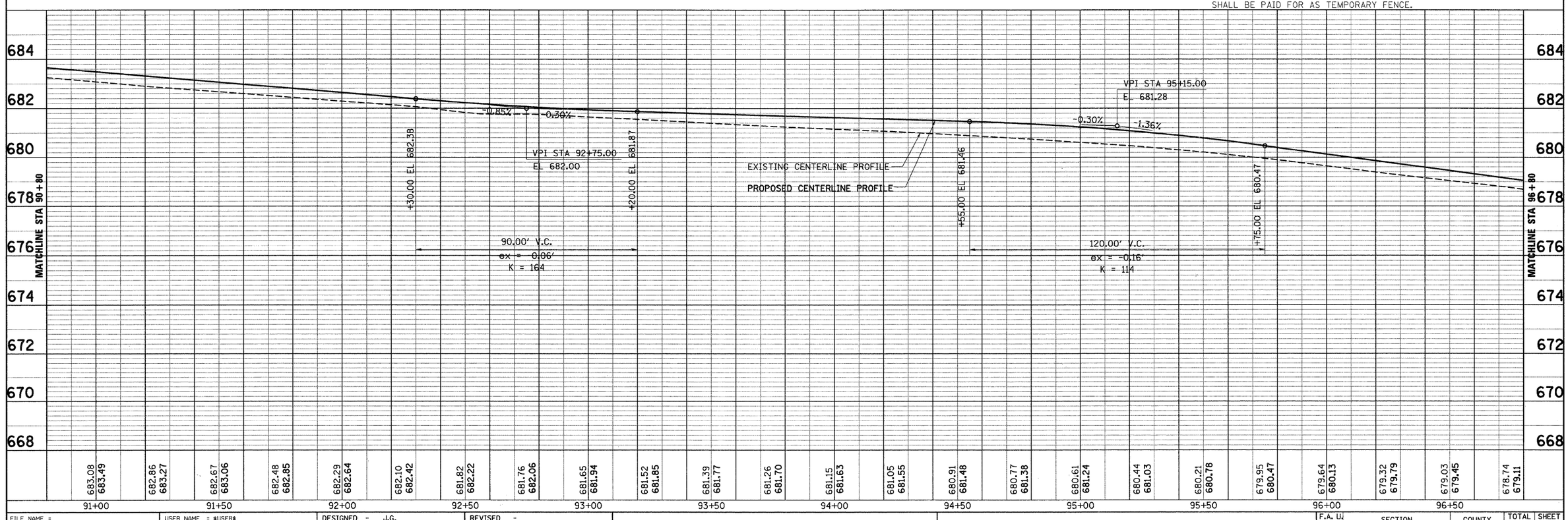
LEGEND

REMOVAL ITEM



NOTES:

1. ALL PROPOSED ENTRANCES TO BE REPLACED IN KIND. AGGREGATE ENTRANCES TO BE REPLACED WITH HOT-MIX ASPHALT.
2. ALL EXISTING TREES TO REMAIN SHALL BE PROTECTED. THIS WORK SHALL BE PAID FOR AS TEMPORARY FENCE.



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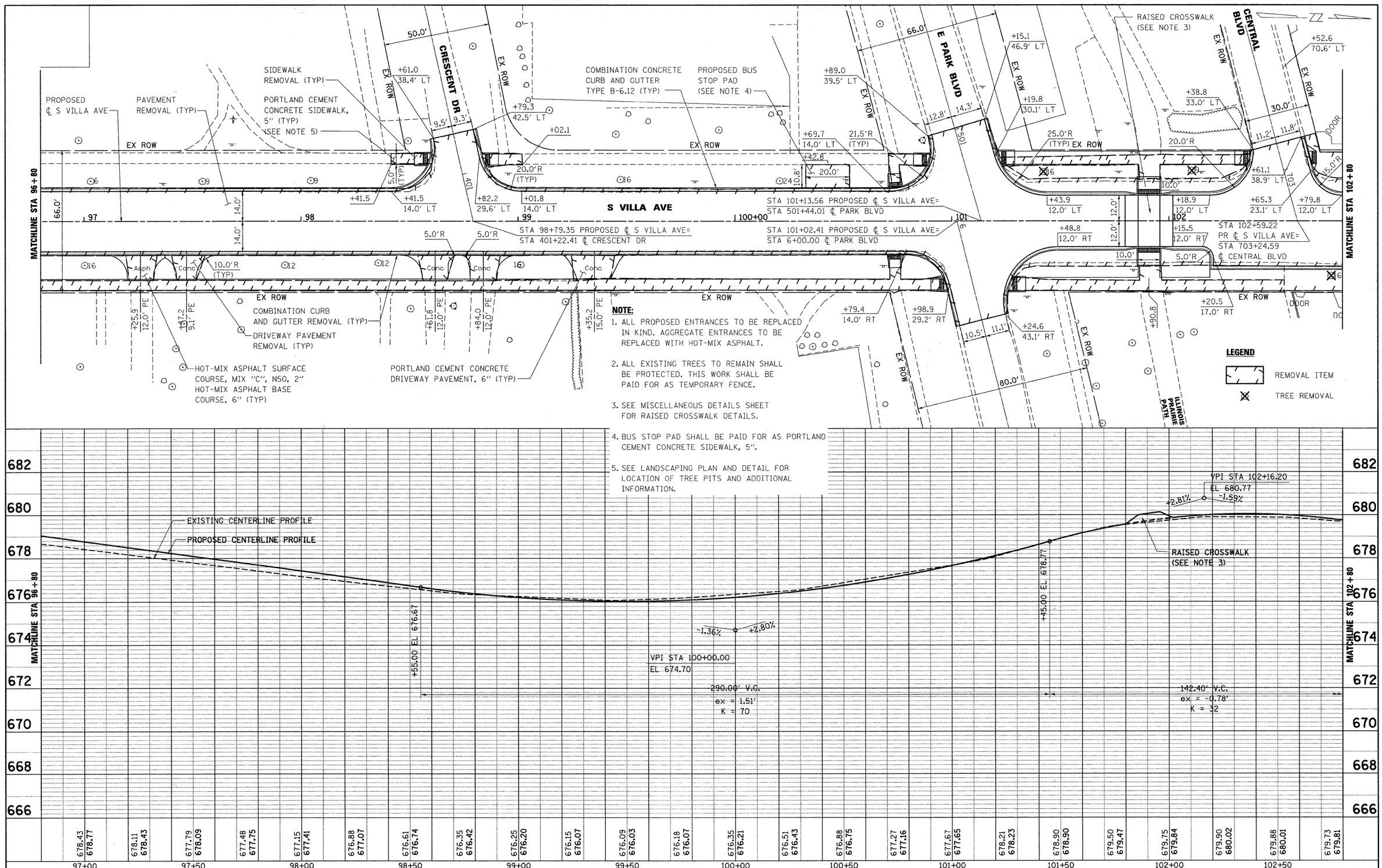
		DRAWN - E.D.	REVISED -			COUNTY DuPAGE	TOTAL SHEETS 160 / SHEET NO. 23
	PLOT SCALE = 1:20	CHECKED -	REVISED -			CONTRACT NO. 63379	
	PLOT DATE = 6/15/2010	DATE - 9/23/2009	REVISED -		SCALE: 1"=20' / SHEET NO. 6 OF 11 SHEETS / STA. 63+19.78 TO STA. 116+71.35	ILLINOIS FED. AID PROJECT	

PLAN — SURVEYED / PLOTTED / ALIGNMENT CHECKED / NOTE BOOK / NO. / CADD FILE NAME — BY / DATE

PROFILE — SURVEYED / PLOTTED / GRADES CHECKED / NOTE BOOK / NO. / STRUCTURE NOTATNS CH'KD — BY / DATE



NOTE:

1. ALL PROPOSED ENTRANCES TO BE REPLACED IN KIND. AGGREGATE ENTRANCES TO BE REPLACED WITH HOT-MIX ASPHALT.
2. ALL EXISTING TREES TO REMAIN SHALL BE PROTECTED. THIS WORK SHALL BE PAID FOR AS TEMPORARY FENCE.
3. SEE MISCELLANEOUS DETAILS SHEET FOR RAISED CROSSWALK DETAILS.
4. BUS STOP PAD SHALL BE PAID FOR AS PORTLAND CEMENT CONCRETE SIDEWALK, 5".
5. SEE LANDSCAPING PLAN AND DETAIL FOR LOCATION OF TREE PITS AND ADDITIONAL INFORMATION.

PLAN		BY	DATE
SURVEYED			
PLOTTED			
ALIGNMENT CHECKED			
R.O.W. MONUMENTED			
CADD FILE NAME			
NOTE BOOK			
NO.			

PROFILE		BY	DATE
SURVEYED			
PLOTTED			
GRADES CHECKED			
R.O.W. MONUMENTED			
NOTE BOOK	STRUCTURE NOTATNS CH'KD		
NO.			

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		DRAWN - E.D.	REVISED -
	PLOT SCALE = 1:20	CHECKED -	REVISED -
	PLOT DATE = 6/15/2010	DATE - 9/23/2009	REVISED -

VILLAGE OF VILLA PARK, ILLINOIS

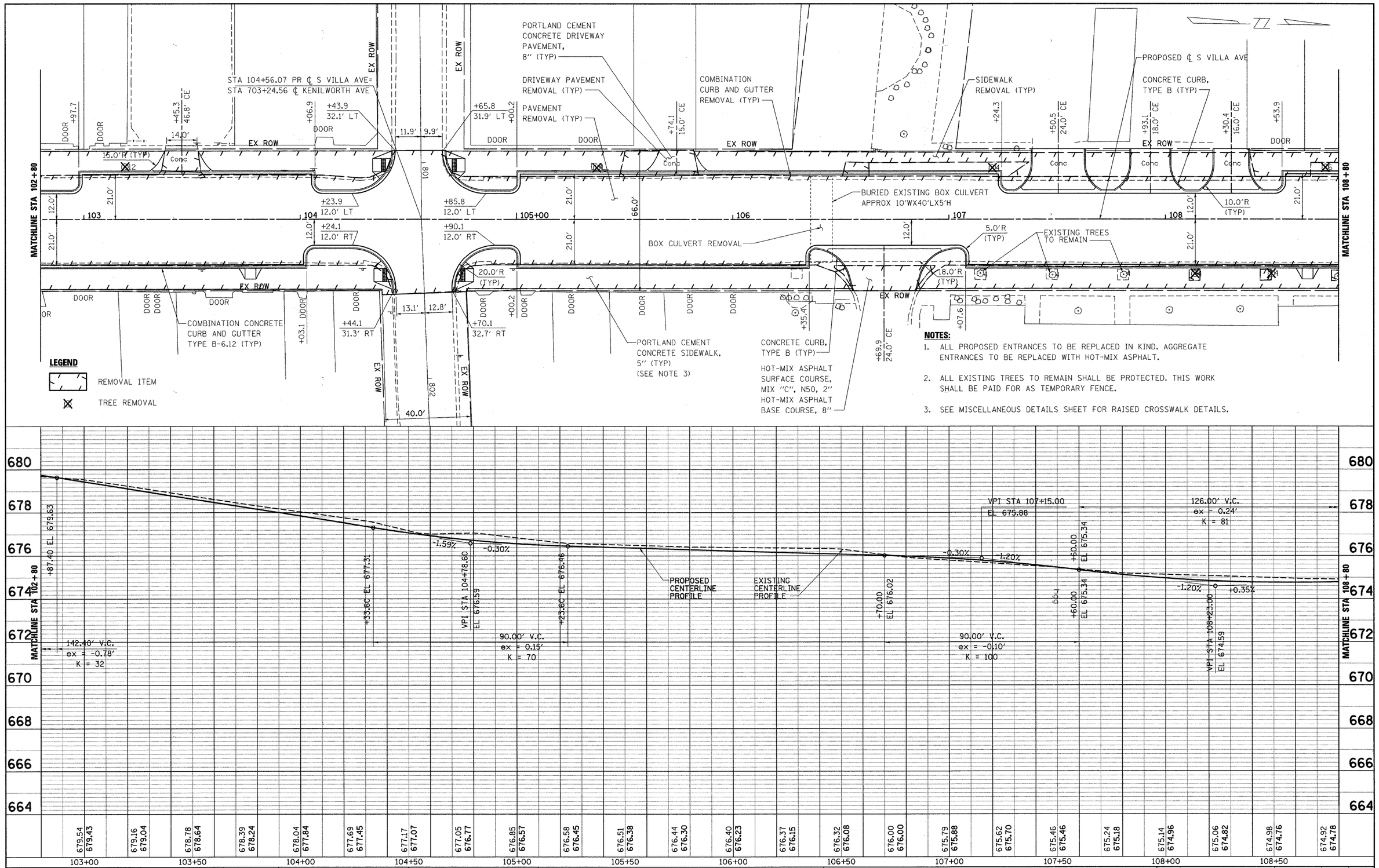
PLAN AND PROFILE

SCALE: 1"=20' | SHEET NO. 7 OF 11 SHEETS | STA. 63+19.78 TO STA. 116+71.35

F.A. U.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2652	00-00070-00-PV	DuPAGE	160	24

CONTRACT NO. 63379

ILLINOIS FED. AID PROJECT



PLAN	BY	DATE
SURVEYED		
PLOTTED		
ALIGNMENT CHECKED		
RIGHT-OF-WAY MARKED		
NOTE BOOK		
NO.		
CADD FILE NAME		

PROFILE	BY	DATE
SURVEYED		
PLOTTED		
GRADES CHECKED		
R.O.W. MARKED		
NOTE BOOK		
NO.	STRUCTURE NO(S)/FN'S CH'KD	

FILE NAME = 025_650ppø8.dgn	USER NAME = USER:3830	DESIGNED - J.G.	REVISED -
		DRAWN - E.D.	REVISED -
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	PLOT DATE = 7/2/2010	DATE - 9/23/2009	REVISED -

VILLAGE OF VILLA PARK, ILLINOIS

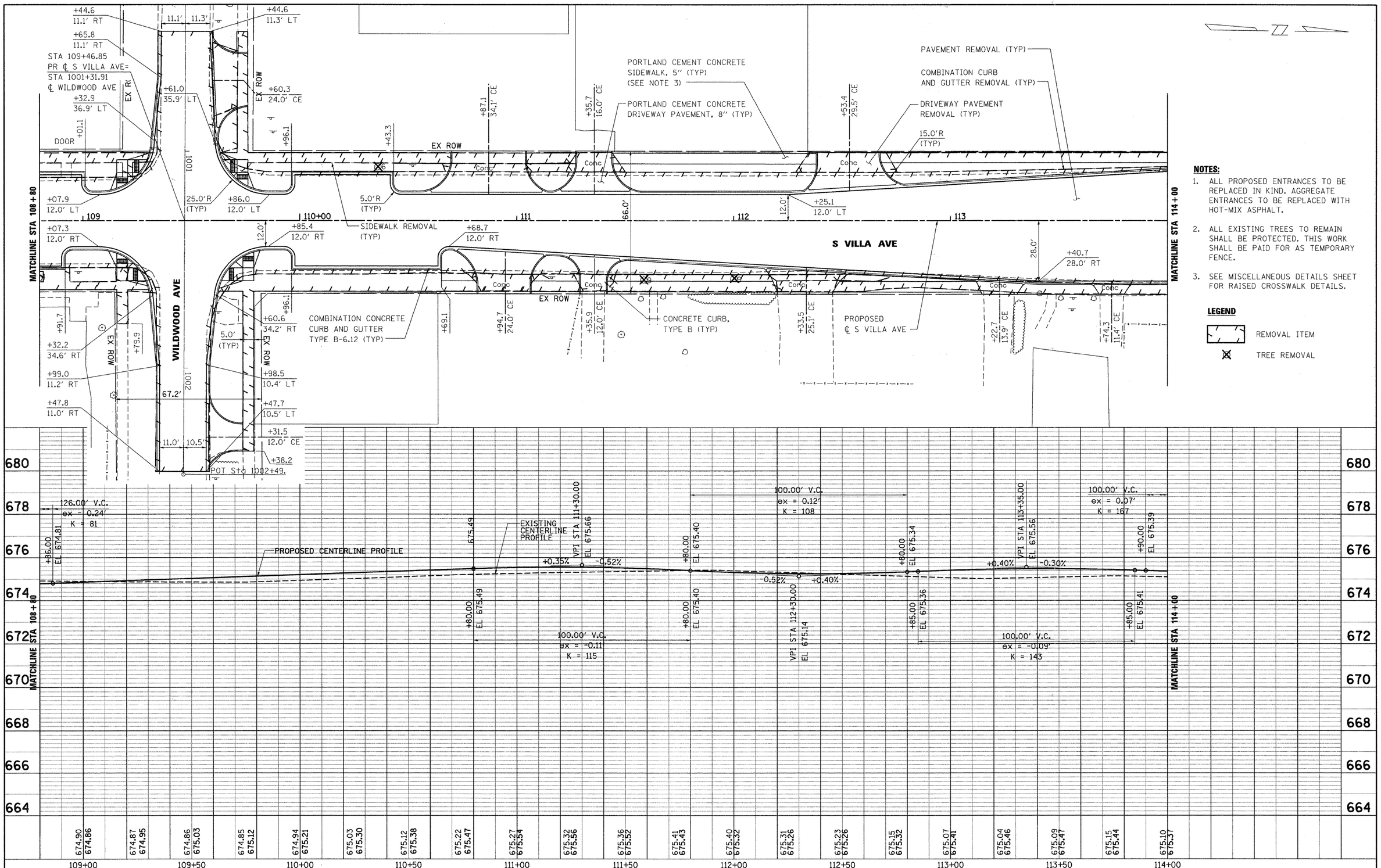
PLAN AND PROFILE

SCALE: 1"=20' | SHEET NO. 8 OF 11 SHEETS | STA. 63+19.78 TO STA. 116+71.35

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2652	00-00070-00-PV	DuPAGE	160	25

CONTRACT NO. 63379

ILLINOIS FED. AID PROJECT



NOTES:

1. ALL PROPOSED ENTRANCES TO BE REPLACED IN KIND. AGGREGATE ENTRANCES TO BE REPLACED WITH HOT-MIX ASPHALT.
2. ALL EXISTING TREES TO REMAIN SHALL BE PROTECTED. THIS WORK SHALL BE PAID FOR AS TEMPORARY FENCE.
3. SEE MISCELLANEOUS DETAILS SHEET FOR RAISED CROSSWALK DETAILS.

LEGEND

REMOVAL ITEM

TREE REMOVAL

PLAN		BY	DATE
SURVEYED			
PLOTTED			
ALIGNMENT CHECKED			
RT. OF WAY CHECKED			
CADD FILE NAME			
NOTE BOOK			
NO.			

PROFILE		BY	DATE
SURVEYED			
PLOTTED			
GRADES CHECKED			
RT. OF WAY CHECKED			
STRUCTURE NOTATNS CHKD			
NOTE BOOK			
NO.			

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	PLOT DATE = 6/15/2010	DATE - 9/23/2009	REVISED -

VILLAGE OF VILLA PARK, ILLINOIS

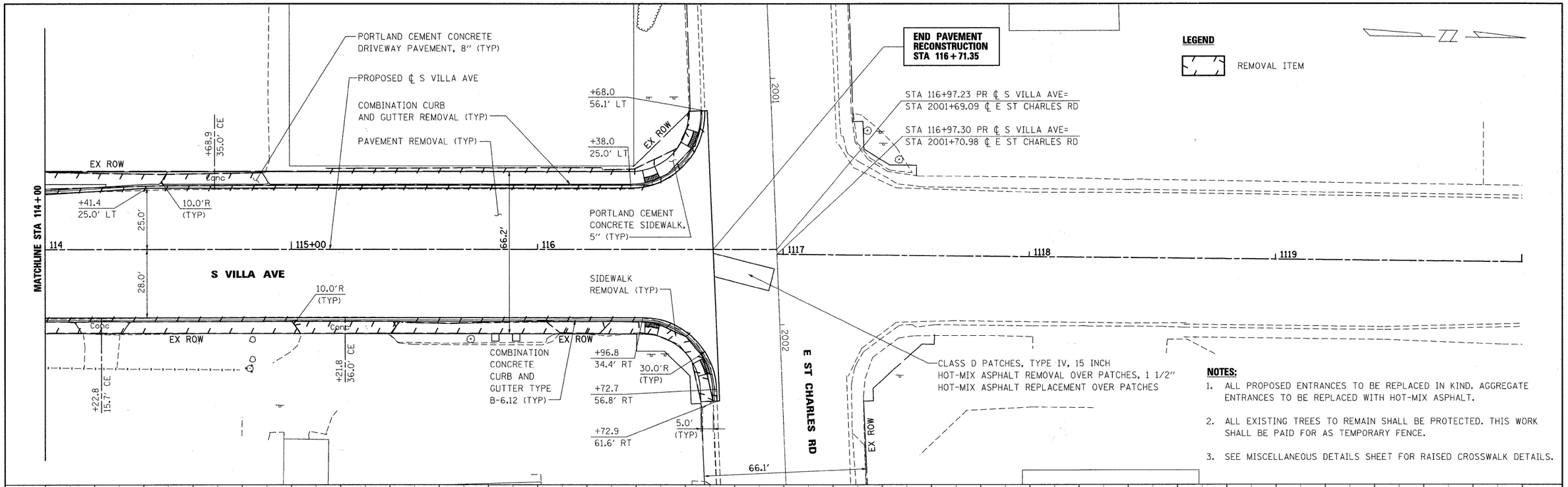
PLAN AND PROFILE

SCALE: 1"=20' | SHEET NO. 9 OF 11 SHEETS | STA. 63+19.78 TO STA. 116+71.35

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2652	00-00070-00-PV	DuPAGE	160	26

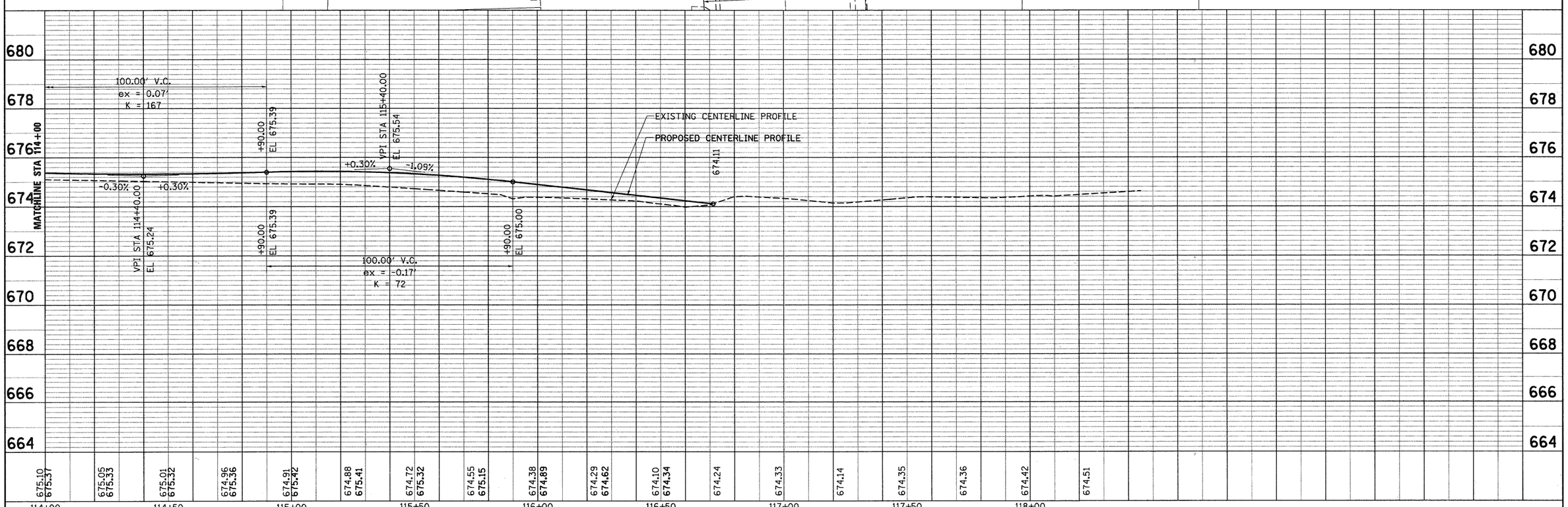
CONTRACT NO. 63379

ILLINOIS FED. AID PROJECT



NOTES:

1. ALL PROPOSED ENTRANCES TO BE REPLACED IN KIND. AGGREGATE ENTRANCES TO BE REPLACED WITH HOT-MIX ASPHALT.
2. ALL EXISTING TREES TO REMAIN SHALL BE PROTECTED. THIS WORK SHALL BE PAID FOR AS TEMPORARY FENCE.
3. SEE MISCELLANEOUS DETAILS SHEET FOR RAISED CROSSWALK DETAILS.



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	PLOT DATE = 6/15/2010	DATE - 9/23/2009	REVISED -

VILLAGE OF VILLA PARK, ILLINOIS

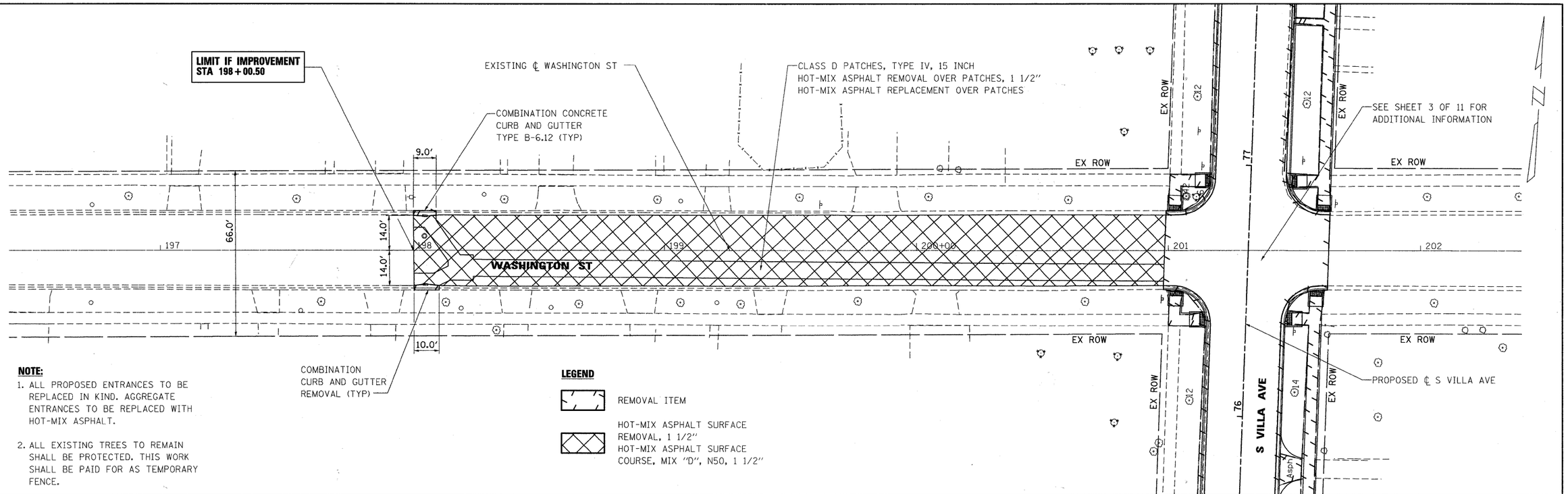
PLAN AND PROFILE

SCALE: 1"=20' | SHEET NO. 10 OF 11 SHEETS | STA. 63+19.78 TO STA. 116+71.35

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2652	00-00070-00-PV	DuPAGE	160	27
		CONTRACT NO. 63379		
		ILLINOIS FED. AID PROJECT		

PLAN: SURVEYED / PLOTTED / ALIGNMENT CHECKED / BLA WORD / CADD FILE NAME / NOTE BOOK / NO. / BY / DATE

PROFILE: SURVEYED / PLOTTED / GRADES CHECKED / BLA WORD / STRUCTURE NOTATNS CHKD / NOTE BOOK / NO. / BY / DATE



NOTE:

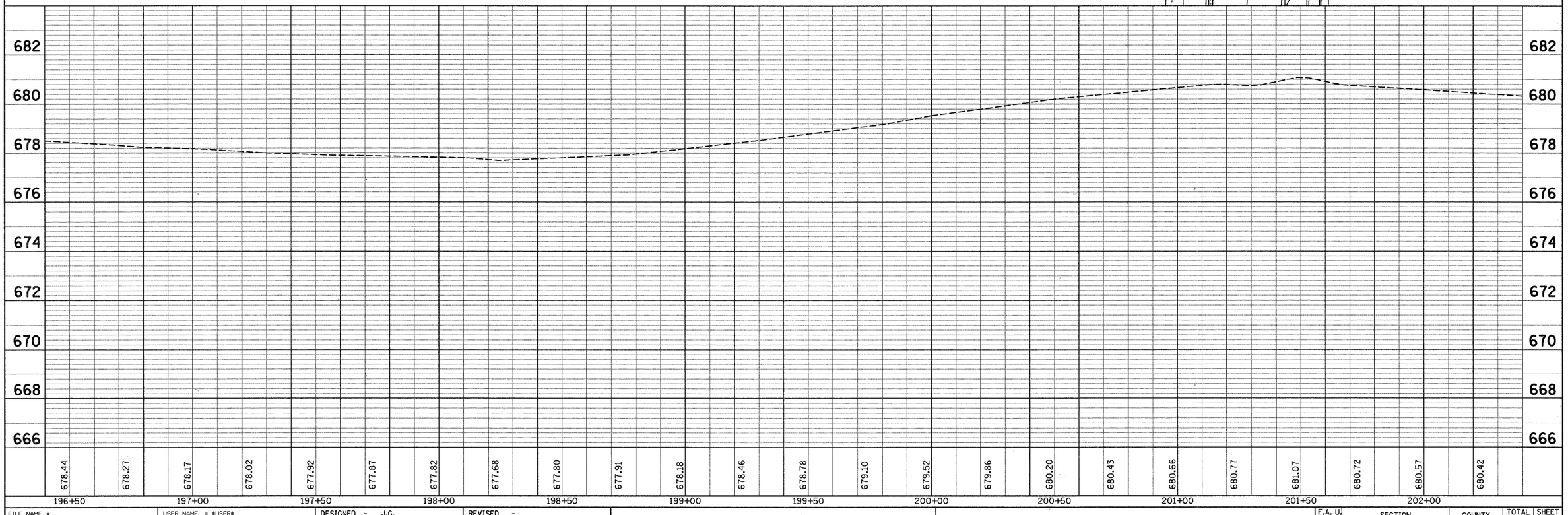
1. ALL PROPOSED ENTRANCES TO BE REPLACED IN KIND. AGGREGATE ENTRANCES TO BE REPLACED WITH HOT-MIX ASPHALT.
2. ALL EXISTING TREES TO REMAIN SHALL BE PROTECTED. THIS WORK SHALL BE PAID FOR AS TEMPORARY FENCE.

PLAN

		BY	DATE
SURVEYED			
PLOTTED			
ALIGNMENT CHECKED			
RIGHT OF WAY CHECKED			
CADD FILE NAME			
NOTE BOOK			
NO.			

PROFILE

		BY	DATE
SURVEYED			
PLOTTED			
GRADES CHECKED			
RIGHT OF WAY			
STRUCTURE NOTAT'NS CH'KD			
NOTE BOOK			
NO.			



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		DRAWN - E.D.	REVISED -
	PLOT SCALE = 1:20	CHECKED -	REVISED -
	PLOT DATE = 6/15/2010	DATE - 9/23/2009	REVISED -

VILLAGE OF VILLA PARK, ILLINOIS

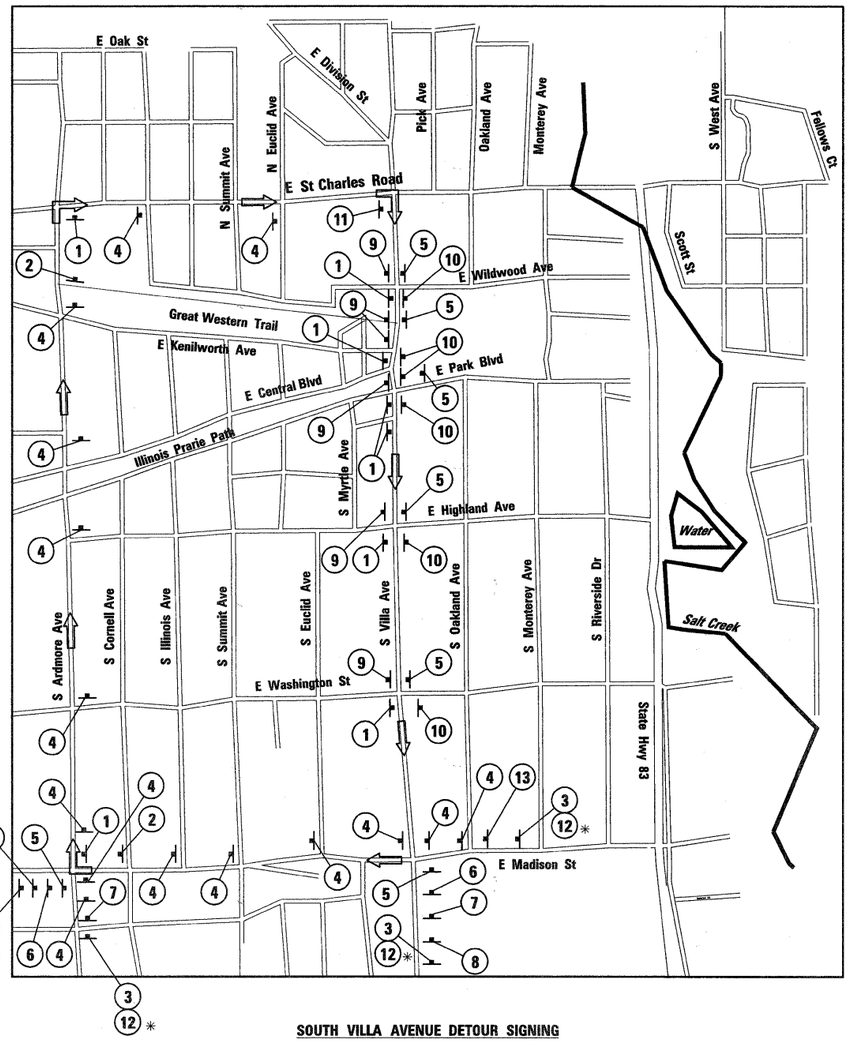
PLAN AND PROFILE

SCALE: 1"=20' | SHEET NO. 11 OF 11 SHEETS | STA. 63+19.78 TO STA. 116+71.35

F.A. U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2652	00-00070-00-PV	DuPAGE	160	28

CONTRACT NO. 63379

ILLINOIS FED. AID PROJECT



SOUTH VILLA AVENUE DETOUR SIGNING

(1) VILLA AVENUE / DETOUR → — M4-9 30"x24"

(2) VILLA AVENUE / DETOUR ↱ — M4-9 30"x24"

(3) NORTHBOUND VILLA AVENUE CLOSED USE ARDMORE AVE

36"x36"
BACKGROUND = HIGH INTENSITY ORANGE SHEETING

TEXT = DESIGN SERIES C
BLACK LETTERS, 4"

(4) VILLA AVENUE / DETOUR ↑ — M4-9 30"x24"

(5) VILLA AVENUE / DETOUR ← — M4-9 30"x24"

(6) VILLA AVENUE / DETOUR ↰ — M4-9 30"x24"

(7) DETOUR 500FT — W20-2 48"x48" — VILLA AVENUE

(8) DETOUR 1000FT — W20-2 48"x48" — VILLA AVENUE

(9) ONE WAY — R6-1L 36"x12"

(10) ONE WAY — R6-1R 36"x12"

(11) END DETOUR — M4-8a 24"x18"

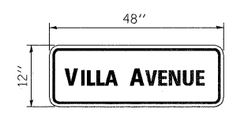
(12) NORTHBOUND VILLA AVENUE CLOSED AS OF [ ]

48"x36"

BACKGROUND = HIGH INTENSITY OR ENGINEERED GRADE ORANGE SHEETING

TEXT = DESIGN SERIES C
BLACK LETTERS, 4"

TEMPORARY SIGN ASSEMBLY DETAILS



BACKGROUND = HIGH INTENSITY ORANGE SHEETING

TEXT = DESIGN SERIES C
BLACK LETTERS,
6" CAPITOL LETTERS
5"LOWER CASE LETTERS

SUGGESTED MAINTENANCE OF TRAFFIC GENERAL NOTES:

1. TRAFFIC CONTROL AND PROTECTION SHALL BE PERFORMED IN ACCORDANCE WITH THE TRAFFIC CONTROL PLAN AND SECTION 701 OF THE IDOT STANDARD SPECIFICATION AS AMENDED BY THE SPECIAL PROVISION FOR CONSTRUCTION ZONE TRAFFIC CONTROL (CHECK SHEET LRS 3).
2. THE TYPE III BARRICADES ARE TO BE PLACED IN ACCORDANCE WITH STANDARD 701901 UNLESS AUTHORIZED BY THE ENGINEER TO USE AN ALTERNATE ARRANGEMENT.
3. EXISTING TRAFFIC CONTROL SIGNS AND DEVICES WILL BE REMOVED BY THE VILLAGE OF VILLA PARK AFTER THE TRAFFIC CONTROL REQUIREMENTS ARE MET OR AS AUTHORIZED BY THE ENGINEER; ANY SIGNS OR DEVICES LEFT IN PLACE AT THIS TIME ARE TO BE RELOCATED. MAINTAINED AND PROTECTED FROM DAMAGE BY THE CONTRACTOR AND ANY DAMAGED OR LOST SIGNS WILL BE REPLACED BY THE CONTRACTOR.
4. TYPE I OR TYPE II BARRICADES, DRUMS, OR VERTICAL PANELS WITH MONODIRECTIONAL STEADY-BURN LIGHTS SHALL BE REQUIRED ALONG TEMPORARY ROADS, DETOURS, AND SIDE STREETS TO DELINEATE THE TRAVELED WAY WITHIN THE CONSTRUCTION ZONE.
5. ANY DROP OFF GREATER THAN THREE (3) INCHES BUT LESS THAN TWENTY FOUR (24) INCHES, WITHIN TEN (10) FEET OF THE EDGE OF TRAVELED WAY, SHALL BE PROTECTED BY TYPE I OR TYPE II BARRICADES, DRUMS OR VERTICAL PANELS WITH MONODIRECTIONAL STEADY BURN LIGHTS AT 50 FOOT CENTER TO CENTER SPACING. IF THE DROP OFF WITHIN TEN (10) FEET OF THE EDGE OF TRAVELED WAY EXCEEDS TWENTY FOUR (24) INCHES, TEMPORARY CONCRETE BARRIER SHALL BE PLACED. BARRICADES THAT MUST BE PLACED IN EXCAVATED AREAS SHALL BE HAVE LEG EXTENSION INSTALLED SUCH THAT THE TOP OF THE BARRICADE IS IN COMPLIANCE WITH THE HEIGHT REQUIREMENTS OF STANDARD 701901.
6. TYPE I OR TYPE II BARRICADES WITH TWO-WAY FLASHING LIGHTS SHALL BE REQUIRED AT ALL OPEN TRENCHES, EXCAVATIONS, OPEN OR EXPOSED SEWER STRUCTURES, TRANSVERSE PAVEMENT JOINTS, MATERIALS OR EQUIPMENT WITHIN THE RIGHT-OF-WAY (NUMBER AND SPACING DEPENDS ON THE CONDITIONS); AND AT LOCATIONS DESIGNATED BY THE ENGINEER OR LOCAL LAW ENFORCEMENT AGENCIES.
7. TYPE I, II, AND / OR III BARRICADES WITH TWO-WAY FLASHING LIGHTS WILL BE REQUIRED TO GUIDE TRAFFIC AWAY FROM PAVEMENT AREAS CLOSED FOR CONSTRUCTION.
8. THE COST OF SUPPLYING, ERECTING, AND MAINTAINING BARRICADES, WARNING LIGHTS, AND SIGNS WILL BE INCLUDED IN THE CONTRACT LUMP SUM PRICE FOR TRAFFIC CONTROL AND PROTECTION.
9. WHERE REQUIRED, TRAFFIC SIGNS SHALL BE RELOCATED FOR EACH STAGE OF CONSTRUCTION.
10. ARROW BOARDS WILL BE REQUIRED WHEN IMPLEMENTING ALL LANE CLOSURES.
11. PRIOR TO THE START OF CONSTRUCTION, REQUIRED TRAFFIC CONTROL DEVICES SHALL BE IN PLACE.
12. THE ATTACHED IS THE CONSTRUCTION STAGING FOR THIS PROJECT. THE PURPOSE OF THIS STAGING IS TO MINIMIZE DELAYS TO THE MOTORIST. THE CONTRACTOR MAY ALTER THE SEQUENCE OF CONSTRUCTION WITH THE PRIOR APPROVAL OF THE ENGINEER.
13. SIDEWALK CLOSURE SHALL BE IN ACCORDANCE WITH IDOT STANDARD 701801.
14. ALL TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH IDOT STANDARD 701901.
15. ACCESS TO ALL PROPERTIES AND SIDE STREETS SHALL BE MAINTAINED AT ALL TIMES. CONSTRUCTION OF THE DRIVEWAYS AND SIDE STREETS SHALL BE STAGED AS DIRECTED BY THE ENGINEER AND COORDINATED WITH THE PROPERTY OWNER. TRAFFIC CONTROL AT ALL SIDE STREETS, DRIVEWAYS AND ENTRANCES SHALL BE PER IDOT DISTRICT ONE DETAIL TC-10.
16. SIGNS SHALL BE PLACED AT ALL COMMERCIAL DRIVEWAYS DURING CONSTRUCTION TO IDENTIFY OPENING LOCATIONS. SEE TC-26 - DRIVEWAY ENTRANCE SIGNING.
17. WORKER SIGNS (W21-1a) SHALL BE INSTALLED ONLY WHERE WORKERS ARE PRESENT, SIGNS SHALL BE REMOVED DURING NON-WORKING HOURS.

✳ SIGN (12) SHALL BE INSTALLED 7-10 DAYS IN ADVANCE OF THE PLANNED CLOSURE DATE AND SHALL BE REMOVED ON THE DAY OF START AT THE DETOUR AND REPLACE WITH SIGN (3)

LEGEND:

- TEMPORARY PAVEMENT
- TEMPORARY PAVEMENT PATCH
- WORK ZONE
- TRAFFIC DIRECTION
- BARRICADES OR DRUMS WITH STEADY BURN LIGHTS
  - 50' C-C ALONG TANGENTS
  - 25' C-C ALONG TAPERS/SHIFTS
  - 12' C-C ALONG RADII
- TYPE III BARRICADE W/2 STEADY BURN LIGHTS
- TRAFFIC CONTROL SIGNS
- ARROW BOARD
- VERTICAL PANEL WITH STEADY BURN LIGHT
  - 50' C-C ALONG TANGENTS
  - 25' C-C ALONG TAPERS/SHIFTS
  - 12' C-C ALONG RADII

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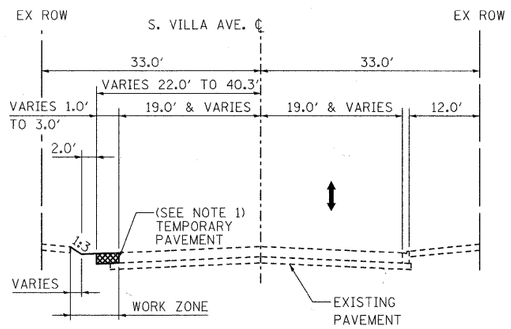
FILE NAME = 029_650mot_gn.dgn	USER NAME = $USER$	DESIGNED - J.G.	REVISED -	VILLAGE OF VILLA PARK, ILLINOIS	SUGGESTED MAINTENANCE OF TRAFFIC GENERAL NOTES	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - E.D.	REVISED -			2652	00-00070-00-PV	DuPAGE	160	29
	PLOT SCALE = 1:10	CHECKED -	REVISED -					CONTRACT NO. 63379		
	PLOT DATE = 6/15/2010	DATE - 9/23/2009	REVISED -		SCALE: 1"=20' SHEET NO. 1 OF 14 SHEETS STA. 63+19.78 TO STA. 116+71.35	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



PRE-STAGE

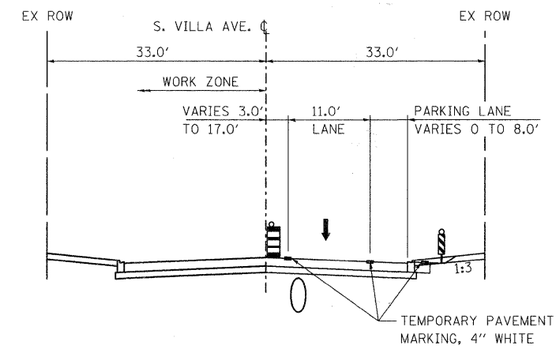
STA 102+69.19 TO STA 104+37.95
STA 104+69.37 TO STA 109+34.85

STAGING:

1. INSTALL TEMPORARY TRAFFIC CONTROL DEVICES AND SIGNING.
2. MAINTAIN EXISTING LANE CONFIGURATION AND WIDTHS.
3. TRAFFIC CONTROL AND PROTECTION SHALL BE IN ACCORDANCE WITH IDOT STANDARD 701501. ONLY DAYTIME CLOSURES SHALL BE PERMITTED.

CONSTRUCTION:

1. CONSTRUCT TEMPORARY PAVEMENT WIDENING.
2. INSTALL EROSION CONTROL MEASURES.



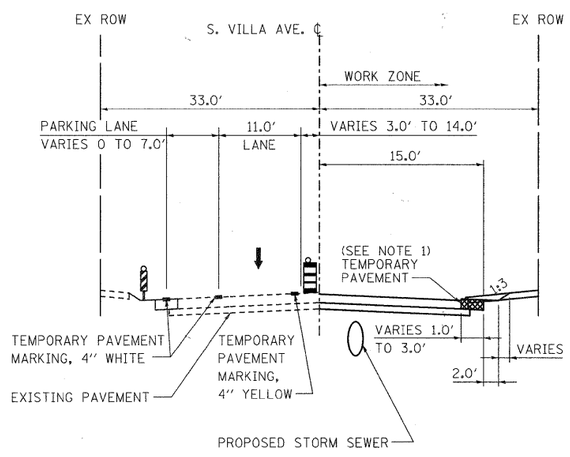
STAGE 2

STAGING:

1. INSTALL TEMPORARY TRAFFIC CONTROL DEVICES AND SIGNING.
2. MAINTAIN ONE-WAY DETOUR. REROUTE NORTH-BOUND TRAFFIC AS SHOWN ON THE PLANS.
3. SHIFT SOUTHBOUND TRAFFIC TO THE EAST. MAINTAIN ONE LANE OF SOUTHBOUND TRAFFIC UTILIZING THE PROPOSED AND TEMPORARY PAVEMENT CONSTRUCTED DURING STAGE I.

CONSTRUCTION:

1. INSTALL EROSION CONTROL MEASURES.
2. PROVIDE REMOVAL OPERATIONS AND CONSTRUCT PROPOSED UTILITIES, ROADWAY PAVEMENT (EXCLUDING SURFACE COURSE), DRIVEWAYS AND SIDEWALK IN THE WORK ZONE.
3. CONSTRUCT STORM SEWER LATERALS IN THE WORKZONE.
4. RECONSTRUCT SANITARY SEWER AND MANHOLES. LINE SANITARY SEWER.



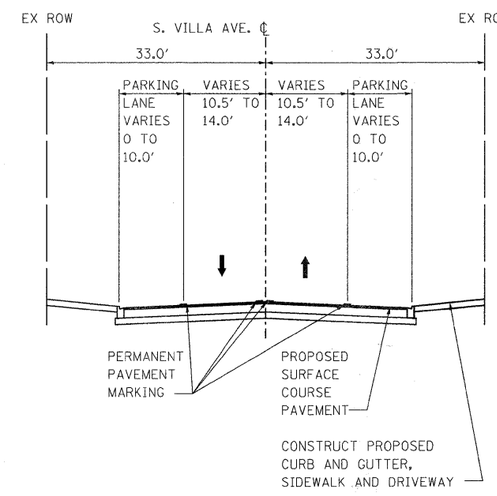
STAGE 1

STAGING:

1. INSTALL TEMPORARY TRAFFIC CONTROL DEVICES AND SIGNING.
2. INSTALL ONE-WAY DETOUR. REROUTE NORTH-BOUND TRAFFIC AS SHOWN ON THE PLANS.
3. SHIFT SOUTHBOUND TRAFFIC TO THE WEST. MAINTAIN ONE LANE OF SOUTHBOUND TRAFFIC UTILIZING THE EXISTING AND TEMPORARY PAVEMENT CONSTRUCTED DURING PRE-STAGE.

CONSTRUCTION:

1. INSTALL EROSION CONTROL MEASURES.
2. PROVIDE REMOVAL OPERATIONS AND CONSTRUCT PROPOSED UTILITIES, ROADWAY PAVEMENT (EXCLUDING SURFACE COURSE), DRIVEWAYS AND SIDEWALK IN THE WORK ZONE.
3. CONSTRUCT TEMPORARY PAVEMENT WIDENING AT THE LOCATIONS SHOWN ON THE PLANS.
4. CONSTRUCT MAINLINE STORM SEWERS AND LATERALS IN THE WORK ZONE.



STAGE 3

STAGING:

1. INSTALL TEMPORARY TRAFFIC CONTROL DEVICES AND SIGNING.
2. REMOVE DETOUR.
3. SHIFT TRAFFIC TO PROPOSED LANE CONFIGURATION AND WIDTHS.
4. TRAFFIC CONTROL AND PROTECTION SHALL BE IN ACCORDANCE WITH IDOT STANDARD 701501. ONLY DAYTIME CLOSURES SHALL BE PERMITTED.

CONSTRUCTION:

1. PROVIDE REMOVAL OPERATIONS AND CONSTRUCT PROPOSED CURB AND GUTTER, DRIVEWAYS AND SIDEWALK IN THE WORK ZONE.
2. MILL EXISTING PAVEMENT ALONG VILLA AVE AND WASHINGTON ST TO THE LIMITS SHOWN ON THE PLANS.
3. CONSTRUCT SURFACE COURSE PAVEMENT.
4. INSTALL PERMANENT PAVEMENT MARKINGS.
5. INSTALL EROSION CONTROL AND LANDSCAPING MEASURES.

NOTES:

1. TEMPORARY PAVEMENT SHALL CONSIST OF HMA BINDER COURSE, IL-19.0, N50, 6″

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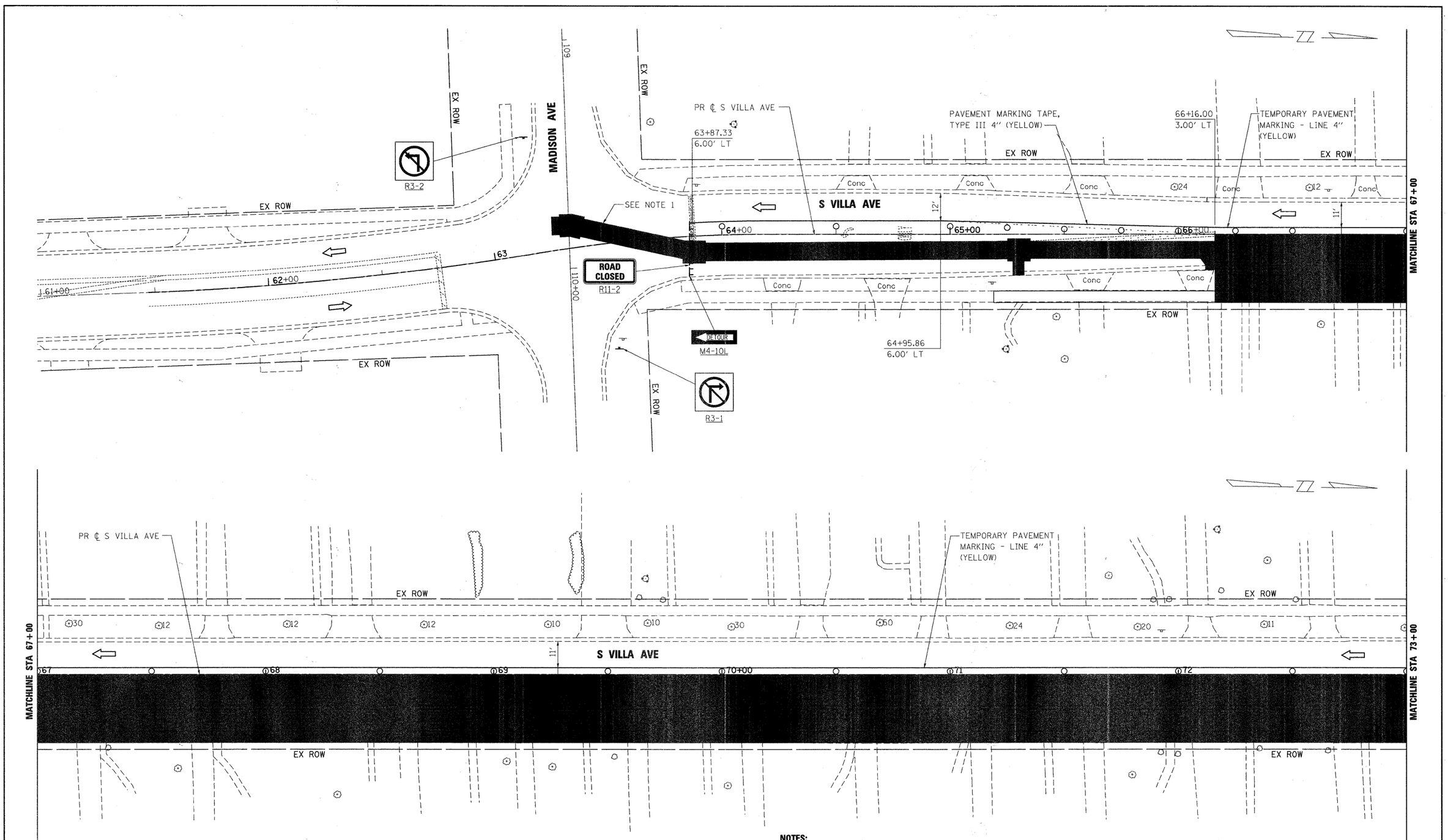

NOTES:

1. STORM SEWER CONNECTION IN THE MADISON AVENUE AND VILLA AVENUE INTERSECTION SHALL BE CONSTRUCTED USING SUB-STAGES. TRAFFIC CONTROL AND PROTECTION SHALL BE IN ACCORDANCE WITH IDOT STANDARDS 701501, 701502 AND 701701. ONLY DAY - TIME CLOSURES SHALL BE PERMITTED. OPEN TRENCHES SHALL BE COVERED WITH METAL PLATES OR BACKFILLED DURING NON-WORKING HOURS.

40 20 0 20 40

SCALE: 1"= 20'-0"

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FILE NAME = 031_650mot1_01.dgn	USER NAME = $USER$	DESIGNED - J.G.	REVISED -	VILLAGE OF VILLA PARK, ILLINOIS	SUGGESTED MAINTENANCE OF TRAFFIC STAGE 1				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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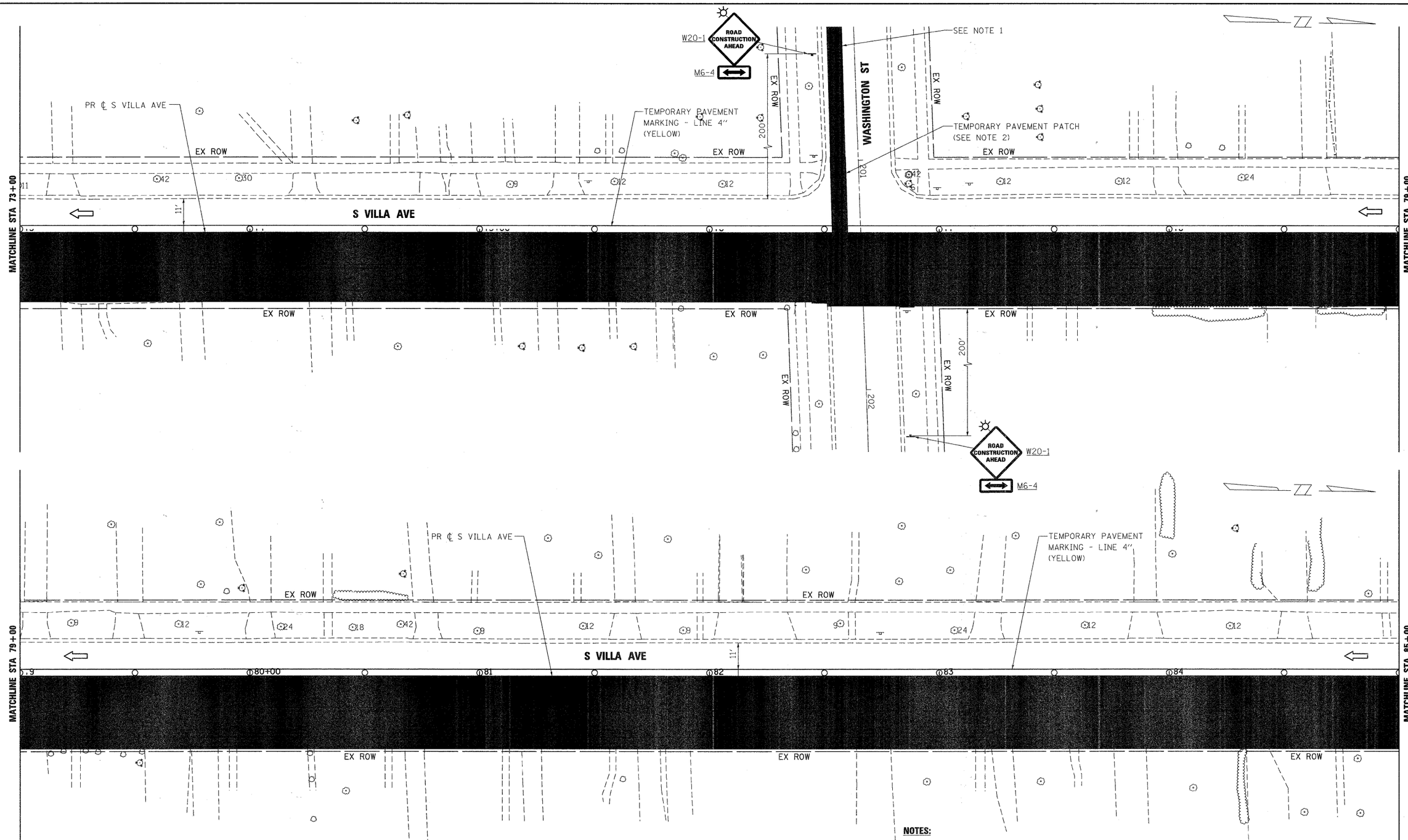

NOTES:

1. STORM SEWER CONSTRUCTION ALONG WASHINGTON STREET SHALL BE CONSTRUCTED IN SUB-STAGES. TRAFFIC CONTROL AND PROTECTION SHALL BE IN ACCORDANCE WITH IDOT STANDARDS 701501. ONLY DAY - TIME CLOSURES SHALL BE PERMITTED. ALL OPEN TRENCHES SHALL BE COVERED WITH METAL PLATES OR BACKFILLED DURING NON-WORKING HOURS.

2. TEMPORARY PAVEMENT PATCH SHALL CONSIST OF HMA BINDER COURSE, IL-19.0, N50, 6".

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SCALE: 1"= 20'-0"

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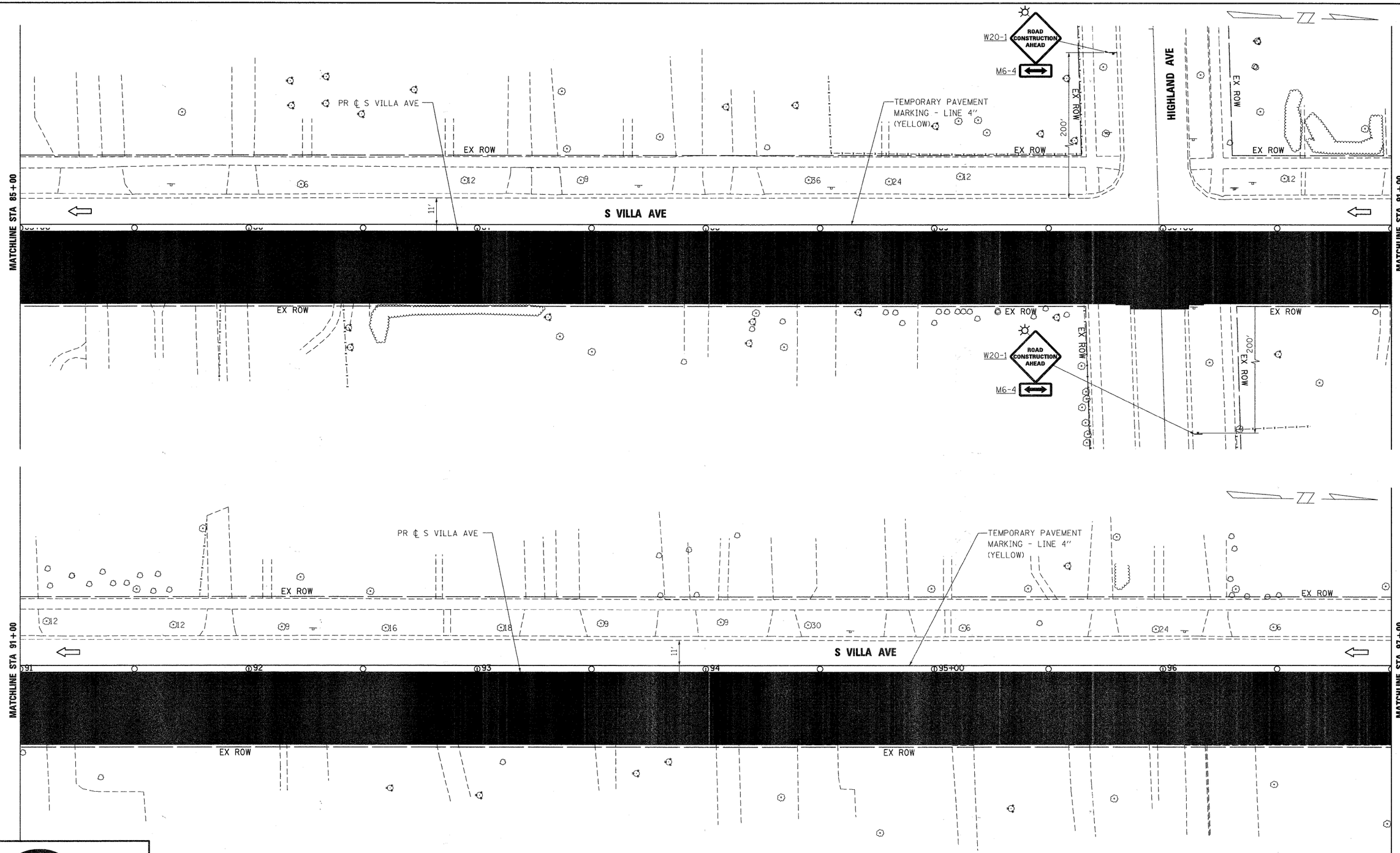

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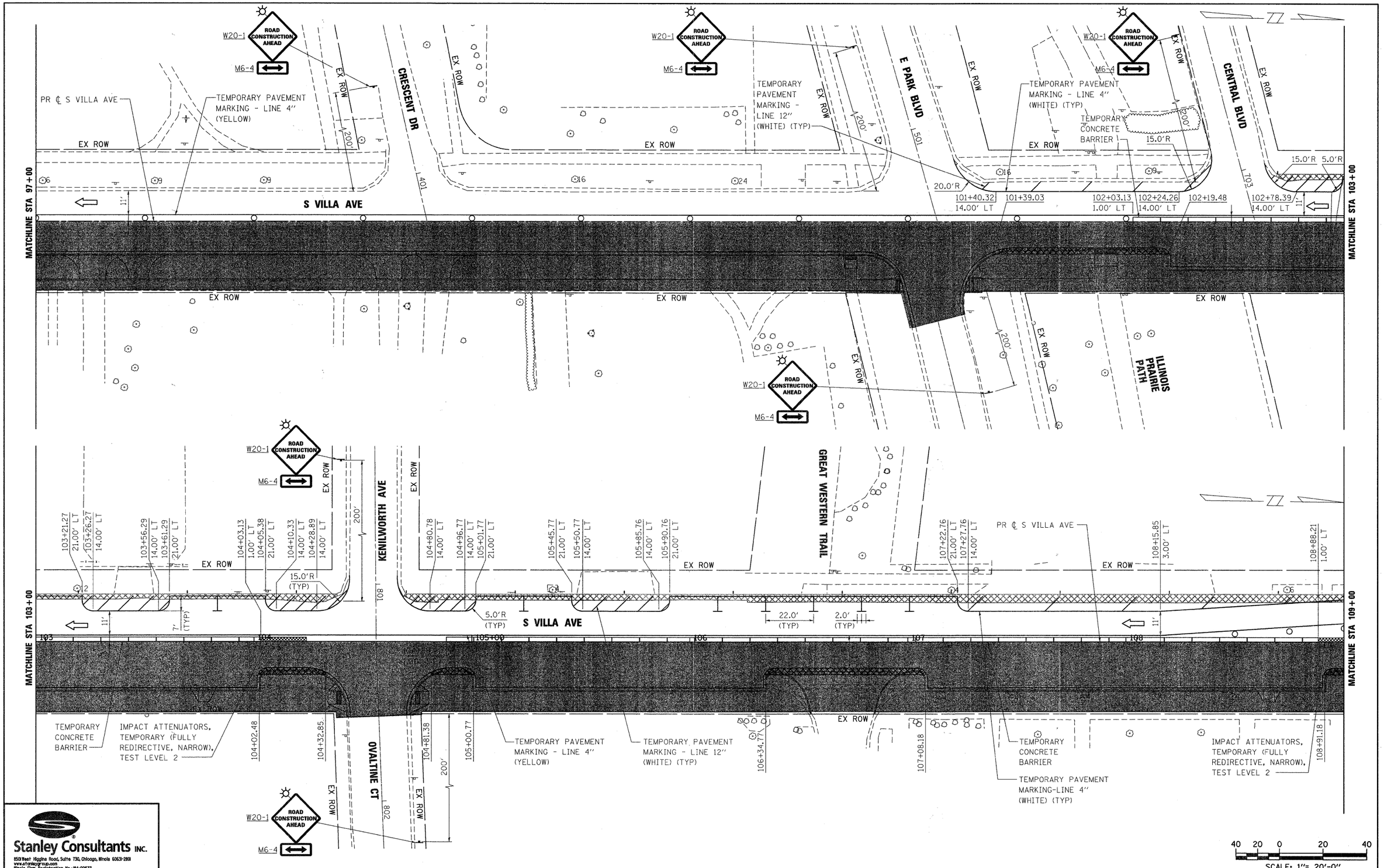
	PLOT DATE = 6/15/2010	DATE - 9/23/2009	REVISED -		SCALE: 1"=20' SHEET NO. 5 OF 14 SHEETS STA. 63+19.78 TO STA. 116+71.35	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



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FILE NAME = Ø34_650mot1_Ø4.dgn	USER NAME = $USER$	DESIGNED - J.G.	REVISED -	VILLAGE OF VILLA PARK, ILLINOIS	SUGGESTED MAINTENANCE OF TRAFFIC STAGE 1	F.A.U. RTE. 2652	SECTION 00-00070-00-PV	COUNTY DuPAGE	TOTAL SHEETS 160	SHEET NO. 34
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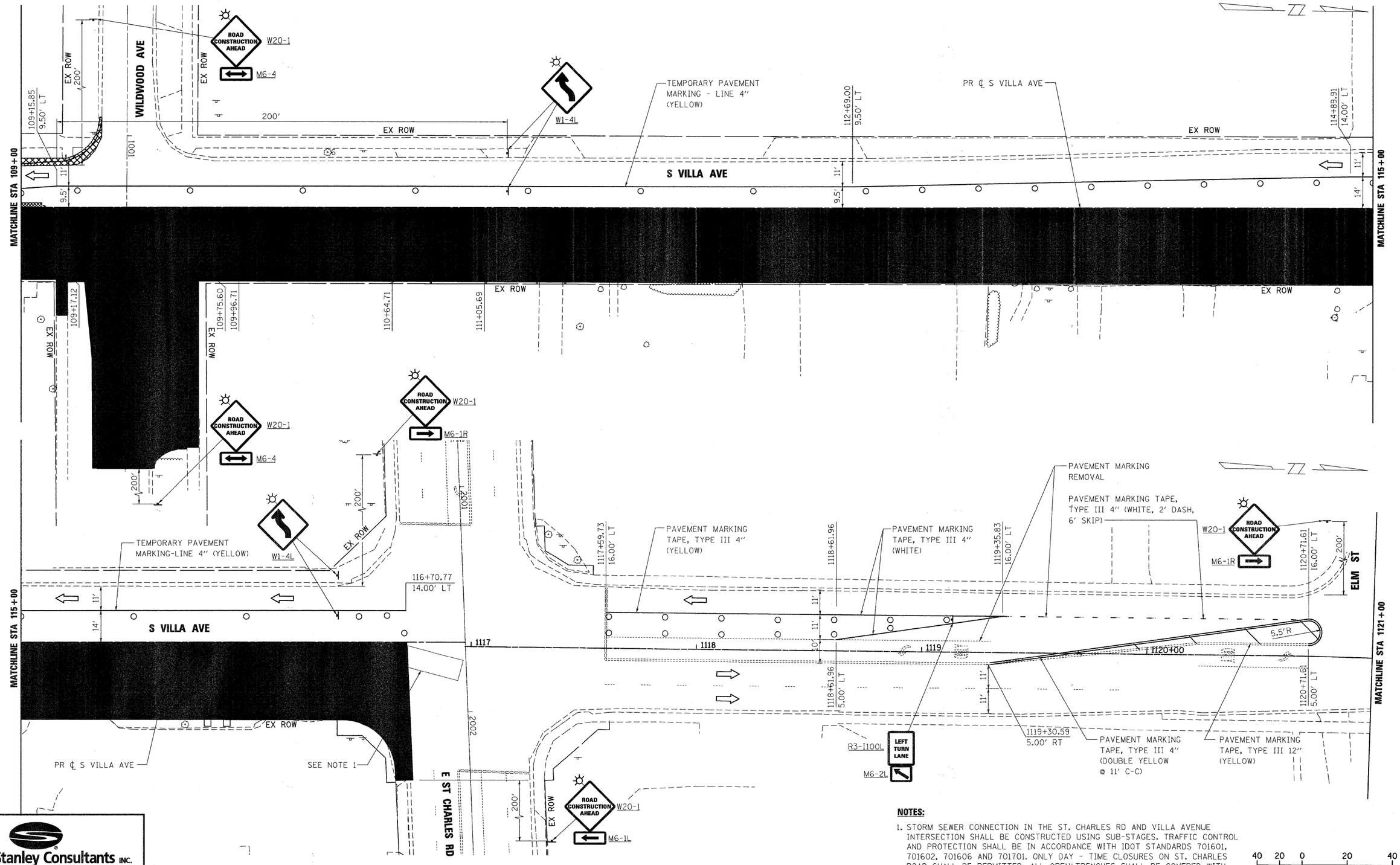

NOTES:

1. STORM SEWER CONNECTION IN THE ST. CHARLES RD AND VILLA AVENUE INTERSECTION SHALL BE CONSTRUCTED USING SUB-STAGES. TRAFFIC CONTROL AND PROTECTION SHALL BE IN ACCORDANCE WITH IDOT STANDARDS 701601, 701602, 701606 AND 701701. ONLY DAY - TIME CLOSURES ON ST. CHARLES ROAD SHALL BE PERMITTED. ALL OPEN TRENCHES SHALL BE COVERED WITH METAL PLATES OR BACKFILLED DURING NON-WORKING HOURS.

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SCALE: 1"= 20'-0"

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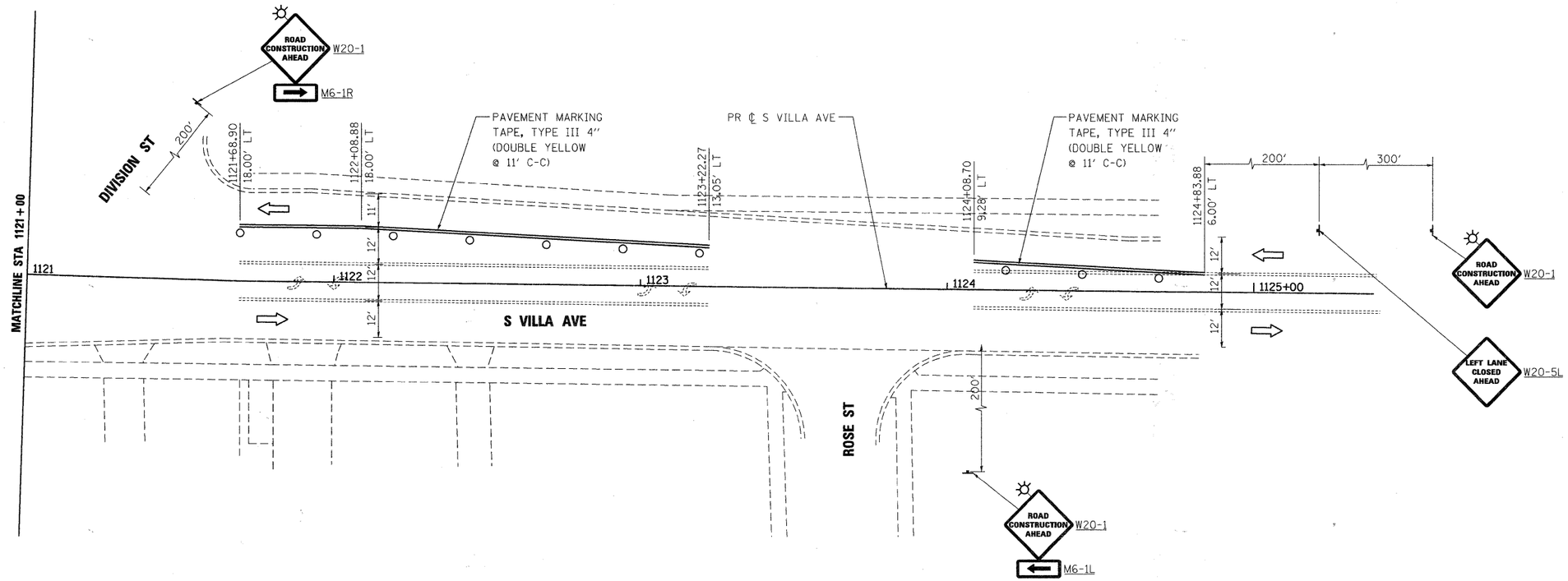
	PLOT DATE = 6/15/2010	DATE - 9/23/2009	REVISED -		SCALE: 1"=20'	SHEET NO. 7 OF 14 SHEETS	STA. 63+19.78	TO STA. 116+71.35	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



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SCALE: 1"= 20'-0"

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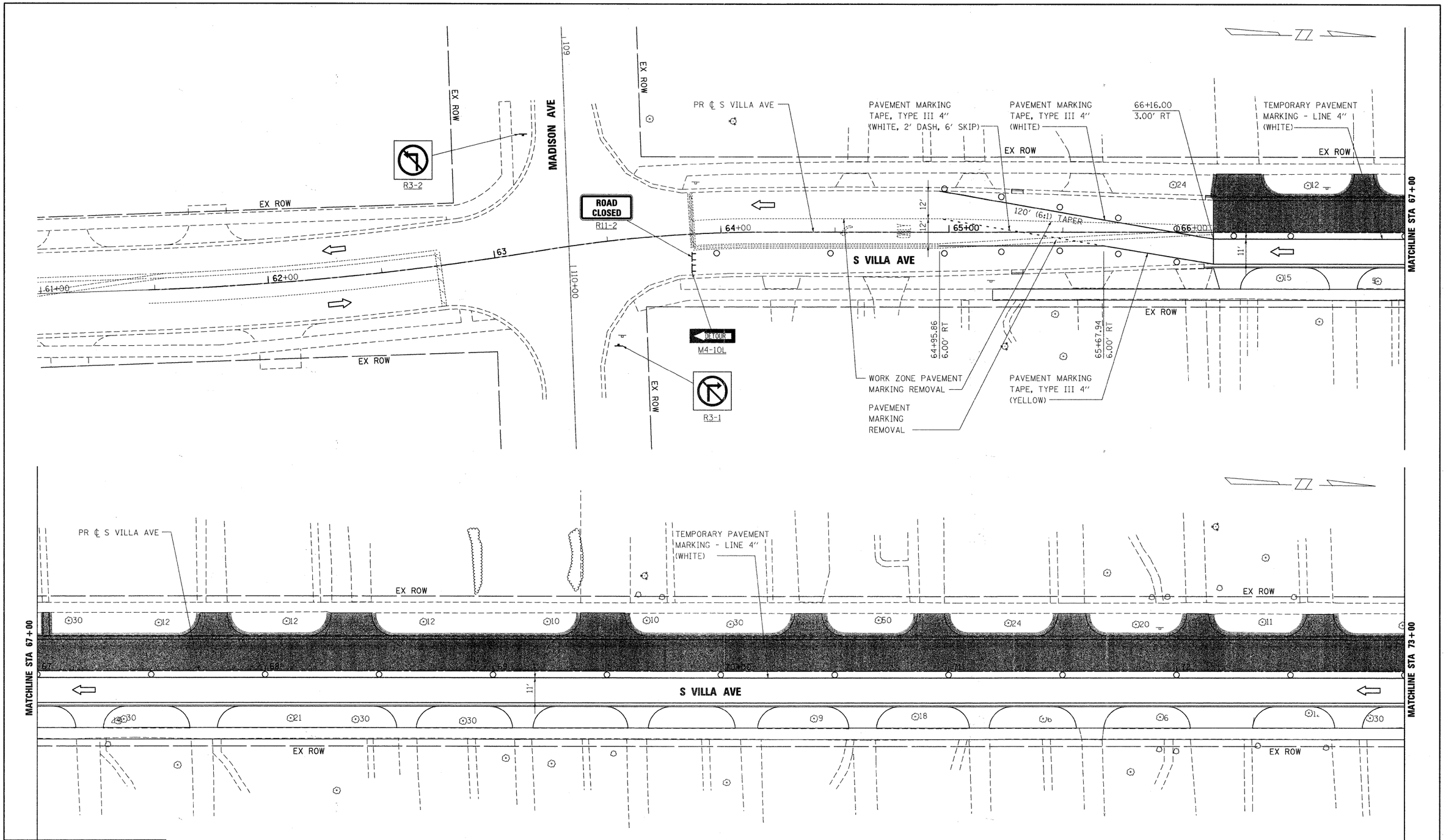

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SCALE: 1"= 20'-0"

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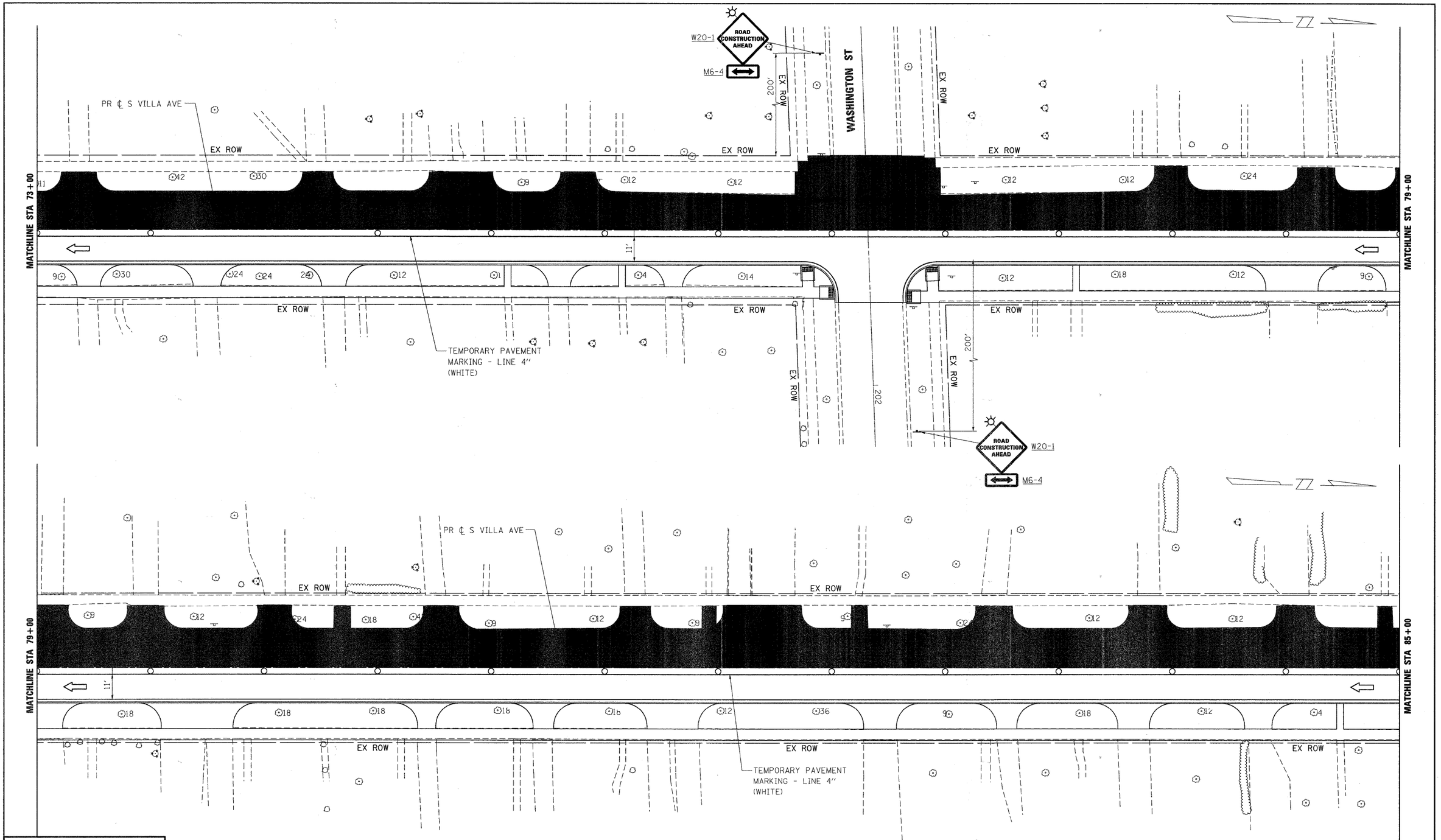
		DRAWN - E.D.	REVISED -	
	PLOT SCALE = 1:20	CHECKED -	REVISED -	
	PLOT DATE = 7/2/2010	DATE - 9/23/2009	REVISED -	

SUGGESTED MAINTENANCE OF TRAFFIC
STAGE 2

SCALE: 1"=20' | SHEET NO. 9 OF 14 SHEETS | STA. 63+19.78 TO STA. 116+71.35

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2652	00-00070-00-PV	DuPAGE	160	37
		CONTRACT NO. 63379		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



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SCALE: 1"= 20'-0"

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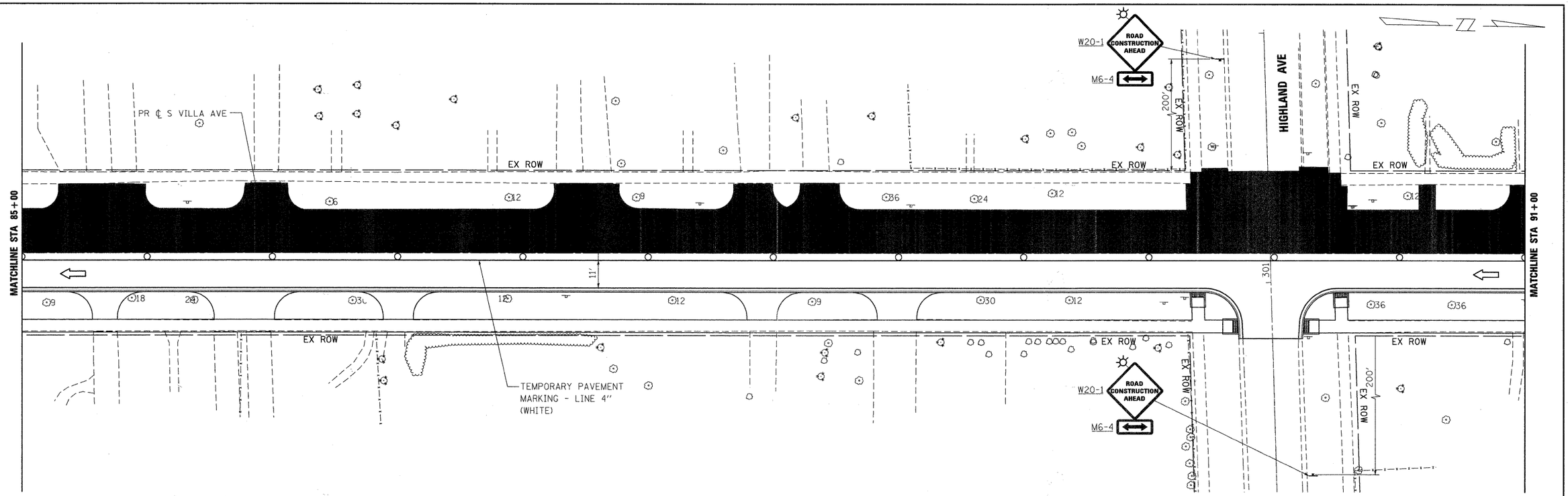
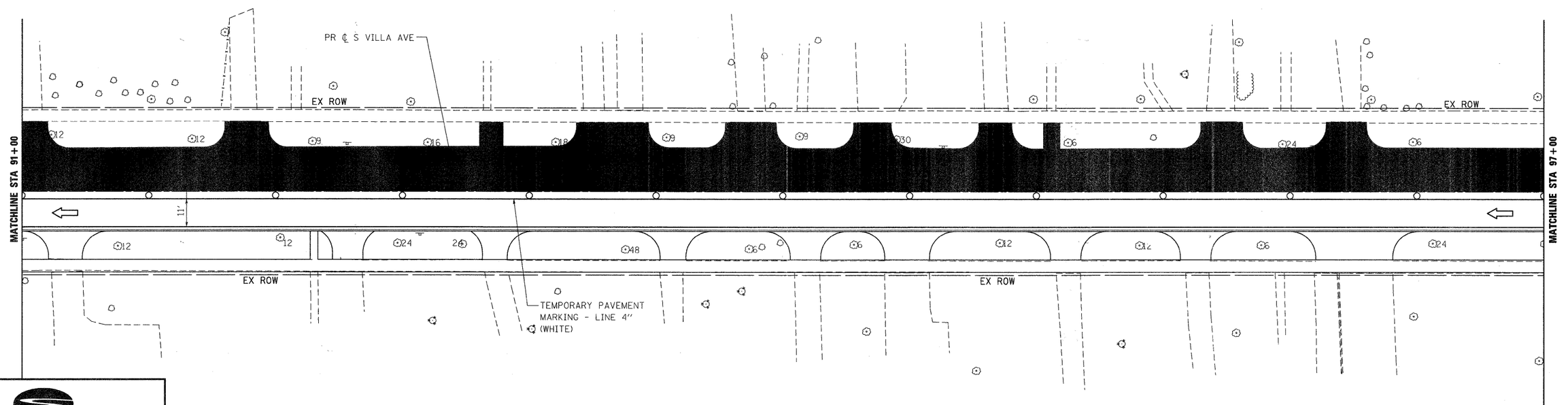
	PLOT DATE = 6/15/2010	DATE - 9/23/2009	REVISED -		SCALE: 1"=20' SHEET NO. 10 OF 14 SHEETS STA. 63+19.78 TO STA. 116+71.35	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	





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SCALE: 1"= 20'-0"

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FILE NAME = 039_650mot2_03.dgn	USER NAME = $USER$	DESIGNED - J.G.	REVISED -	VILLAGE OF VILLA PARK, ILLINOIS	SUGGESTED MAINTENANCE OF TRAFFIC STAGE 2	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
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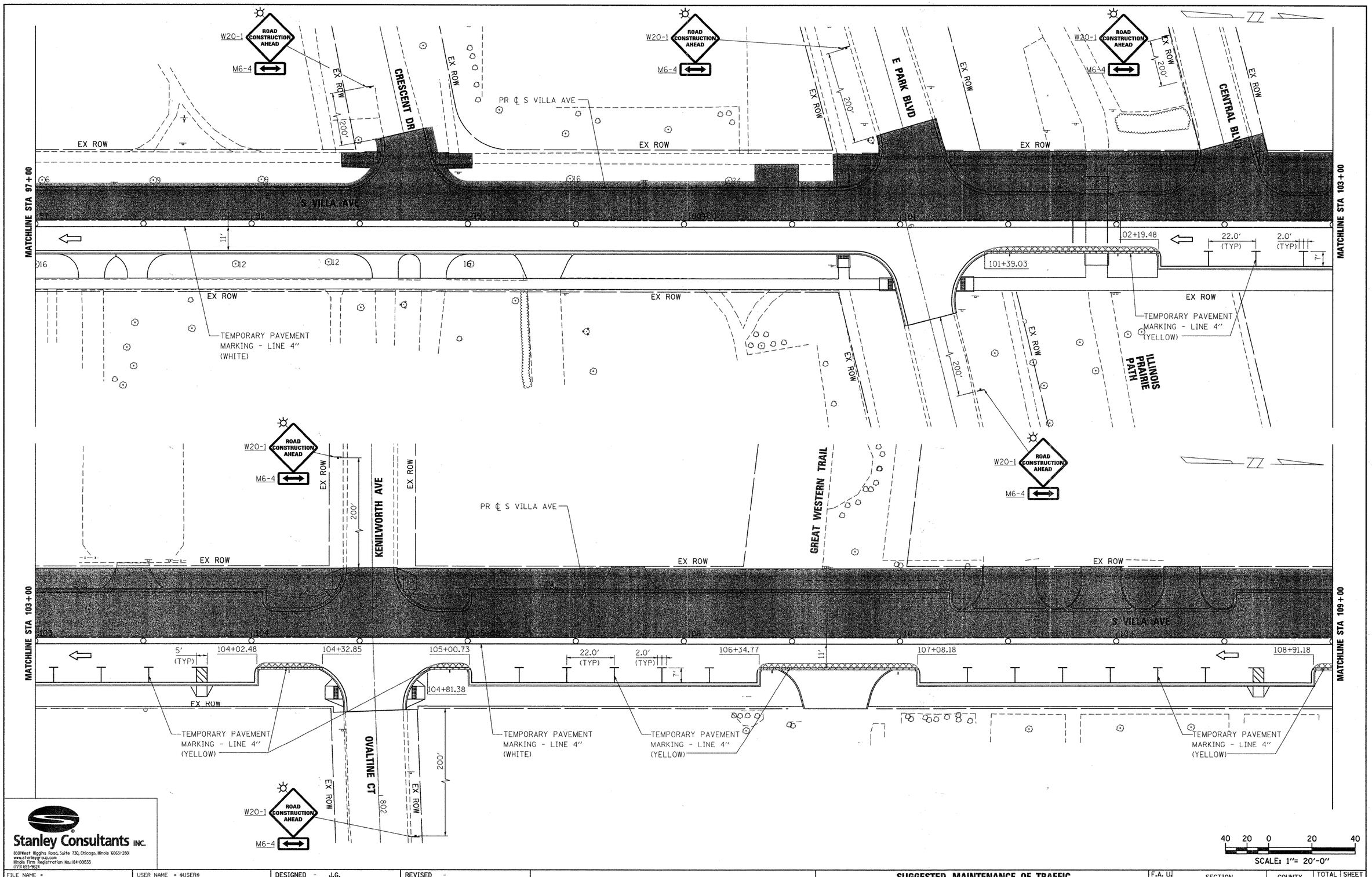
	PLOT DATE = 6/15/2010	DATE - 9/23/2009	REVISED -		SCALE: 1"=20' SHEET NO. 11 OF 14 SHEETS STA. 63+19.78 TO STA. 116+71.35	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	



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FILE NAME = 040_650mot2_04.dgn	USER NAME = $USER$	DESIGNED - J.G.	REVISED -	VILLAGE OF VILLA PARK, ILLINOIS	SUGGESTED MAINTENANCE OF TRAFFIC STAGE 2	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
		DRAWN - E.D.	REVISED -			2652	00-00070-00-PV	DuPAGE	160 / 40
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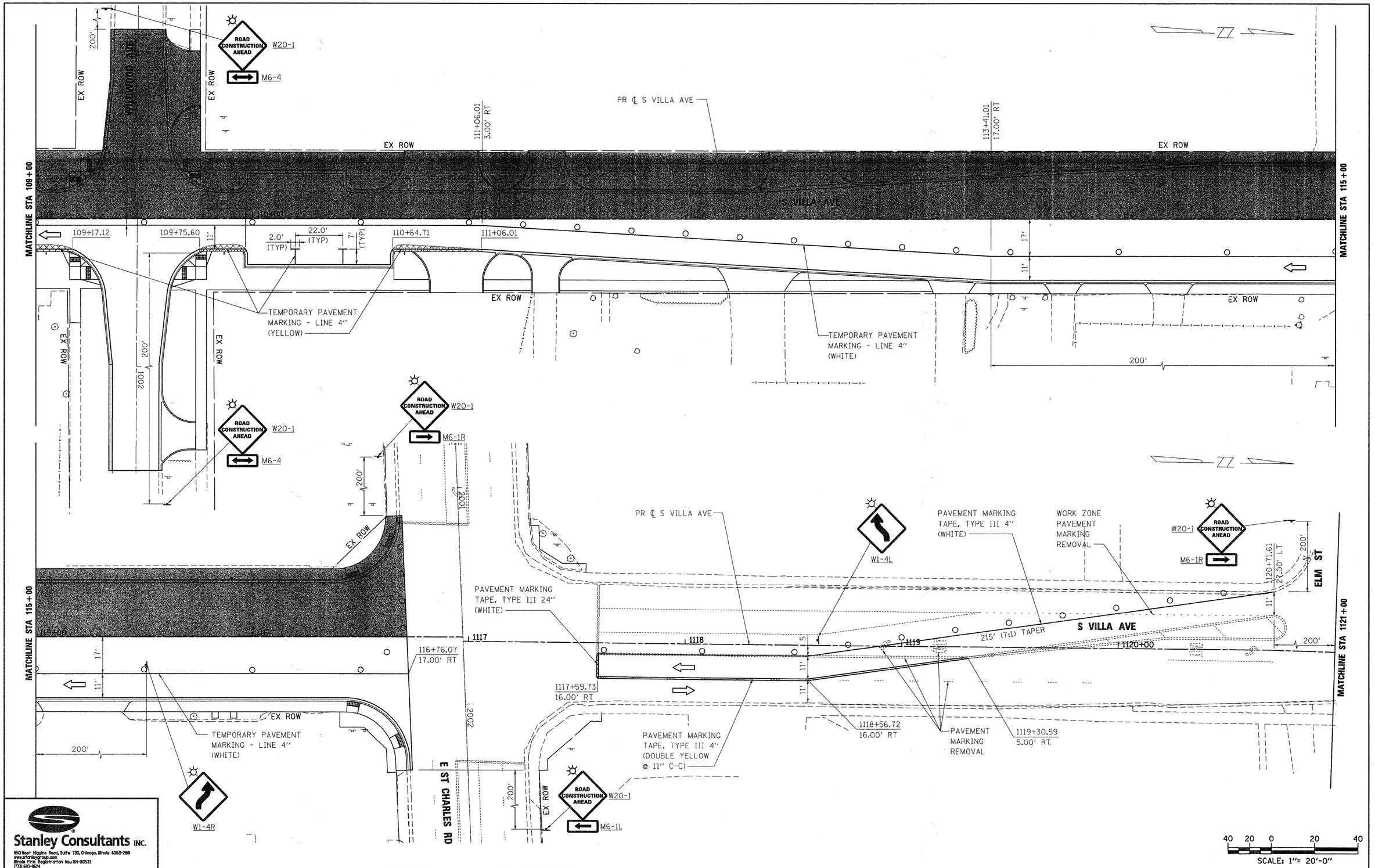
	PLOT DATE = 6/15/2010	DATE - 9/23/2009	REVISED -		SCALE: 1"=20' SHEET NO. 12 OF 14 SHEETS STA. 63+19.78 TO STA. 116+71.35	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	



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FILE NAME = 041_650mot2_05.dgn	USER NAME = USER:3830	DESIGNED - J.G.	REVISED -	VILLAGE OF VILLA PARK, ILLINOIS	SUGGESTED MAINTENANCE OF TRAFFIC STAGE 2	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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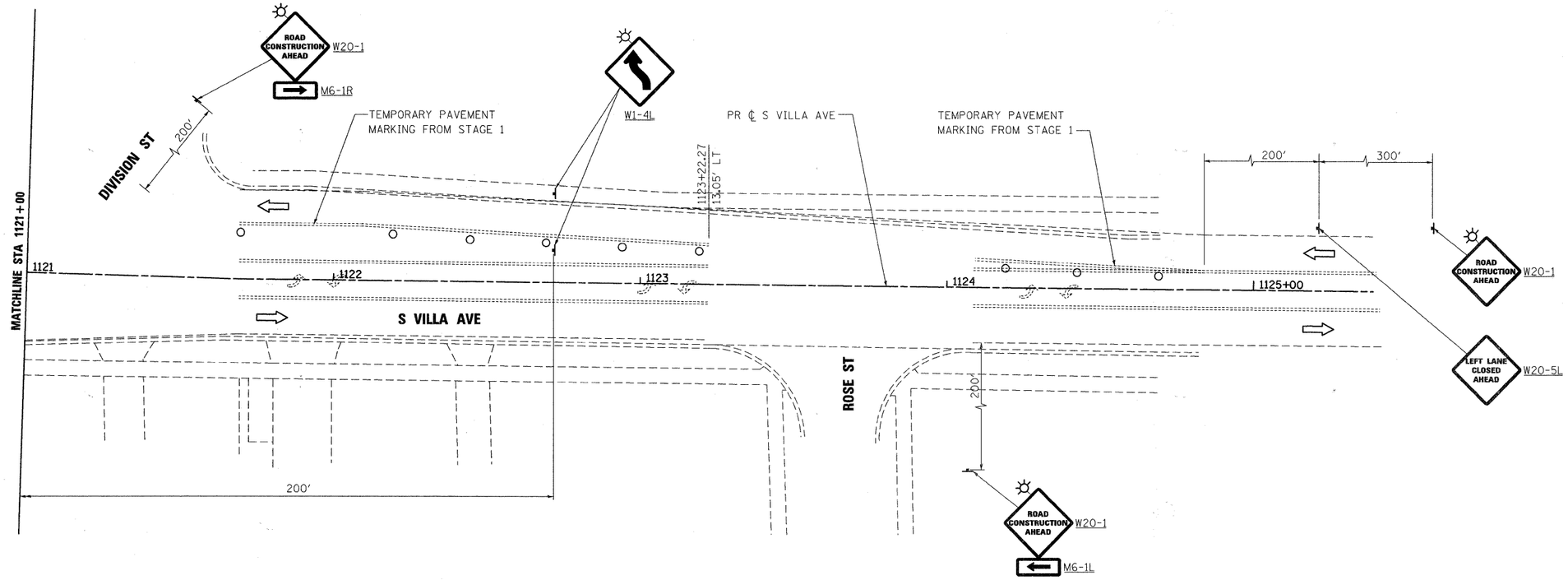

40 20 0 20 40

SCALE: 1"= 20'-0"

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FILE NAME = 042_650mot2_06.dgn	USER NAME = $USER$	DESIGNED - J.G.	REVISED -	VILLAGE OF VILLA PARK, ILLINOIS	SUGGESTED MAINTENANCE OF TRAFFIC STAGE 2
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F.A. U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2652	00-00070-00-PV	DuPAGE	160	42
		CONTRACT NO. 63379		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

EROSION CONTROL GENERAL NOTES

1. UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE INSTALLED, AT A MINIMUM, ACCORDING TO THE IDOT STANDARD SPECIFICATIONS, SPECIAL PROVISIONS, HIGHWAY STANDARDS AND DETAILS AND THE DISTRICT ONE DESIGN GUIDELINES FOR USE OF LANDSCAPE, EROSION AND SEDIMENT CONTROL, AND AESTHETIC FINISH ITEMS. CONTAINED HEREIN, REVISED TO THE LATEST EDITION AS AMENDED. A COPY OF THE APPROVED EROSION AND SEDIMENTATION CONTROL PLAN IN CONJUNCTION WITH THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.
2. THE CONTRACTOR SHALL CLEAN UP AND GRADE THE WORK AREA AS THE PROJECT PROGRESSES TO ELIMINATE THE CONCENTRATION OF RUNOFF, OR SHALL INSTALL APPROPRIATE SEDIMENT CONTROL DEVICES TO TRAP SEDIMENT. PAVEMENT SHALL BE CLEANED DAILY TO REMOVE EARTHEN MATERIAL AND DEBRIS TO THE SATISFACTION OF THE RESIDENT ENGINEER.
3. IF DEWATERING OPERATIONS ARE REQUIRED, WATER WILL BE PUMPED INTO SILT TRAPS. DEWATERING DIRECTLY INTO FIELD TILES, STORMWATER STRUCTURES OR WATERS OF THE US IS STRICTLY PROHIBITED.
4. NO STREAMBANK WORK IS ANTICIPATED.
5. CONSTRUCTION ACTIVITIES SHALL BE SCHEDULED TO MINIMIZE THE TIME SOIL IS EXPOSED AND UNPROTECTED.
6. THE CONTRACTOR SHALL MAKE INSPECTIONS A MINIMUM OF ONCE EVERY SEVEN (7) DAYS OF THE FOLLOWING:
   - A. DISTURBED AREAS OF THE PROJECT SITE THAT HAVE NOT BEEN FULLY STABILIZED.
   - B. STRUCTURAL CONTROL MEASURES, INCLUDING BUT NOT LIMITED TO, PERIMETER EROSION BARRIER AND DITCH CHECKS.
   - C. LOCATIONS WHERE VEHICLES ENTER AND EXIT THE SITE.
7. THE CONTRACTOR MUST COOPERATE WITH ANY AGENTS WHO MAKE SITE VISITS TO REVIEW COMPLIANCE AND AUDIT THE LOGS AND RECORDS IN COMPLIANCE WITH THE STORMWATER POLLUTION AND PREVENTION PLAN (SWPPP).
8. IF A STOCKPILE IS TO REMAIN IN PLACE FOR MORE THAN THREE (3) DAYS, THEN SEDIMENT AND EROSION CONTROL SHALL BE PROVIDED FOR SAID STOCKPILE. SEDIMENT AND EROSION CONTROL MAY BE COMPRISED OF PERIMETER EROSION BARRIER SURROUNDING THE STOCKPILE OR A COVERING OVER THE STOCKPILE.
9. IF THE VOLUME, VELOCITY, SEDIMENT LOAD OR PEAK FLOW RATES OF STORMWATER RUNOFF ARE TEMPORARILY INCREASED DURING CONSTRUCTION THEN PROPERTIES AND SPECIAL MANAGEMENT AREAS DOWNSTREAM FROM SUCH DEVELOPMENT SITES SHALL BE PROTECTED FROM EROSION.
10. ANY AGGREGATE BASE EROSION CONTROL MEASURES SHALL BE REMOVED AND REPLACED WITH NEW AGGREGATE WHEN STRUCTURE BECOMES PLUGGED, SILT LADEN OR AS REQUIRED BY INSPECTION.
11. EROSION CONTROL MEASURES SHALL BE PROVIDED FOR ALL EXISTING AND PROPOSED INLET STRUCTURES WITHIN THE CONSTRUCTION LIMITS.
12. INLET FILTERS ARE TO BE MAINTAINED WHERE INDICATED IN THE CURRENT STAGE AND IF INSTALLED IN A PREVIOUS STAGE.
13. ALL AREAS BROUGHT TO FINAL GRADE WILL BE STABILIZED WITH TOPSOIL, SEED AND TURF REINFORCEMENT MAT AS INDICATED ON THE PLANS.
14. NATURAL RESOURCE CONSERVATION SERVICE (NRCS) AND THE ILLINOIS DEPARTMENT OF TRANSPORTATION (IDOT) STANDARDS PRESENTED ON THE CONTRACT DRAWINGS ARE TO BE CONSIDERED A MINIMUM.
15. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING TEMPORARY DRAINAGE DURING THE PROJECT. DAMAGE TO THE SUBGRADE, EXISTING FACILITIES AND/OR CONSTRUCTED WORK WILL BE REPLACED BY THE CONTRACTOR AS DIRECTED BY THE RESIDENT ENGINEER AT NO ADDITIONAL COST.
16. TEMPORARY AND/OR PERMANENT SOIL STABILIZATION (VEGETATION OR HARDSCAPE) SHALL BE APPLIED TO EXPOSED AREAS AS SOON AS POSSIBLE. AS A MINIMUM, SOIL STABILIZATION SHALL BE PROVIDED WITHIN FOURTEEN (14) DAYS AFTER FINAL GRADE IS REACHED ON ANY PORTION OF THE SITE AND WITHIN FOURTEEN (14) DAYS TO EXPOSED AREAS WHICH MAY NOT BE AT FINAL GRADE BUT WILL REMAIN UNDISTURBED FOR LONGER THAN TWENTY-ONE (21) DAYS.

MAINTENANCE FOR SOIL EROSION CONTROL MEASURES

1. INSPECTIONS SHALL BE PERFORMED AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.5 INCHES OR GREATER OR EQUIVALENT SNOWFALL.
2. VEGETATIVE GROWTH OF TEMPORARY OR PERMANENT SEEDING, SODDING AND VEGETATED CHANNELS SHALL BE MAINTAINED ON A CONTINUAL BASIS WITH ADEQUATE WATER AND FERTILIZER.
3. THE VEGETATIVE COVER SHALL BE REMOVED AND RE-SEEDED/REPLACED AS NECESSARY UNTIL GERMINATION OR UNTIL BARE EARTH AREAS SUPPORT VEGETATION.
4. PERIMETER EROSION BARRIER SHALL BE INSPECTED PERIODICALLY AND REPAIRED AS NEEDED.
5. INLET PROTECTION, PERIMETER EROSION BARRIER AND DITCH CHECKS SHALL HAVE SEDIMENT REMOVED UPON REACHING HALF THE HEIGHT OR CAPACITY OF THE DEVICE.
6. ANY TREE PROTECTION MEASURES THAT ARE DAMAGED OR REMOVED WILL BE REPAIRED IMMEDIATELY.

SUGGESTED SOIL EROSION AND SEDIMENTATION CONTROL SEQUENCING

STAGE 1

1. INSTALL PERIMETER EROSION CONTROL BARRIER AS INDICATED ON THE PLANS OR AS DETERMINED IN THE FIELD.
2. INSTALL INLET FILTERS IN EXISTING STRUCTURES WITHIN THE PROJECT LIMITS.
3. PROVIDE TREE PROTECTION FOR EXISTING TREES TO REMAIN.
4. PROVIDE TEMPORARY SEEDING ON ALL DISTURBED AREAS NOT SCHEDULED TO RECEIVE PERMANENT LANDSCAPING, SEEDING OR SODDING WITHIN 14 DAYS OF DISTURBANCE.
5. APPLY PERMANENT SEEDING OR SODDING AS INDICATED ON THE PLANS TO AREAS DISTURBED DURING REMOVAL.
6. CONSTRUCT STAGE 1 IMPROVEMENTS.
7. INSTALL INLET FILTERS IN STRUCTURES ALONG NEW PAVEMENT AND EMBANKMENT AS SHOWN ON THE PLANS.
8. REMOVE TEMPORARY EROSION CONTROL ITEMS AS NECESSARY AFTER PERMANENT VEGETATION HAS BEEN ESTABLISHED.
9. MAINTAIN SOIL EROSION CONTROL MEASURES IN STAGE 1 AREA.

STAGE 2

1. INSTALL SOIL EROSION CONTROL MEASURES IN STAGE 2 AREA.
2. CONSTRUCT STAGE 2 IMPROVEMENTS.
3. PROVIDE TEMPORARY SEEDING ON ALL DISTURBED AREAS NOT SCHEDULED TO RECEIVE PERMANENT LANDSCAPING, SEEDING OR SODDING WITHIN 14 DAYS OF DISTURBANCE.
4. APPLY PERMANENT SEEDING OR SODDING AS INDICATED ON THE PLANS TO AREAS DISTURBED DURING REMOVAL.
5. INSTALL INLET FILTERS IN STRUCTURES ALONG NEW PAVEMENT AND EMBANKMENT AS SHOWN ON THE PLANS.
6. REMOVE TEMPORARY EROSION CONTROL ITEMS AS NECESSARY AFTER PERMANENT VEGETATION HAS BEEN ESTABLISHED.
7. INSTALL INLET FILTERS IN STRUCTURES ALONG NEW PAVEMENT AND EMBANKMENT AS SHOWN ON THE PLANS.
8. REMOVE TEMPORARY EROSION CONTROL ITEMS AS NECESSARY AFTER PERMANENT VEGETATION HAS BEEN ESTABLISHED.

AREA OF DISTURBED GROUND PER STAGE

STAGE 1	3.85 AC
STAGE 2	2.89 AC
TOTAL	6.74 AC

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FILE NAME = 843_650ero01.dgn	USER NAME = $USER$	DESIGNED - J.G.	REVISED -	VILLAGE OF VILLA PARK, ILLINOIS	EROSION CONTROL GENERAL NOTES
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	PLOT DATE = 6/15/2010	DATE - 9/23/2009	REVISED -		SCALE: NO SCALE · SHEET NO. 1 OF 1 SHEETS · STA. 63+19.78 TO STA. 116+71.35

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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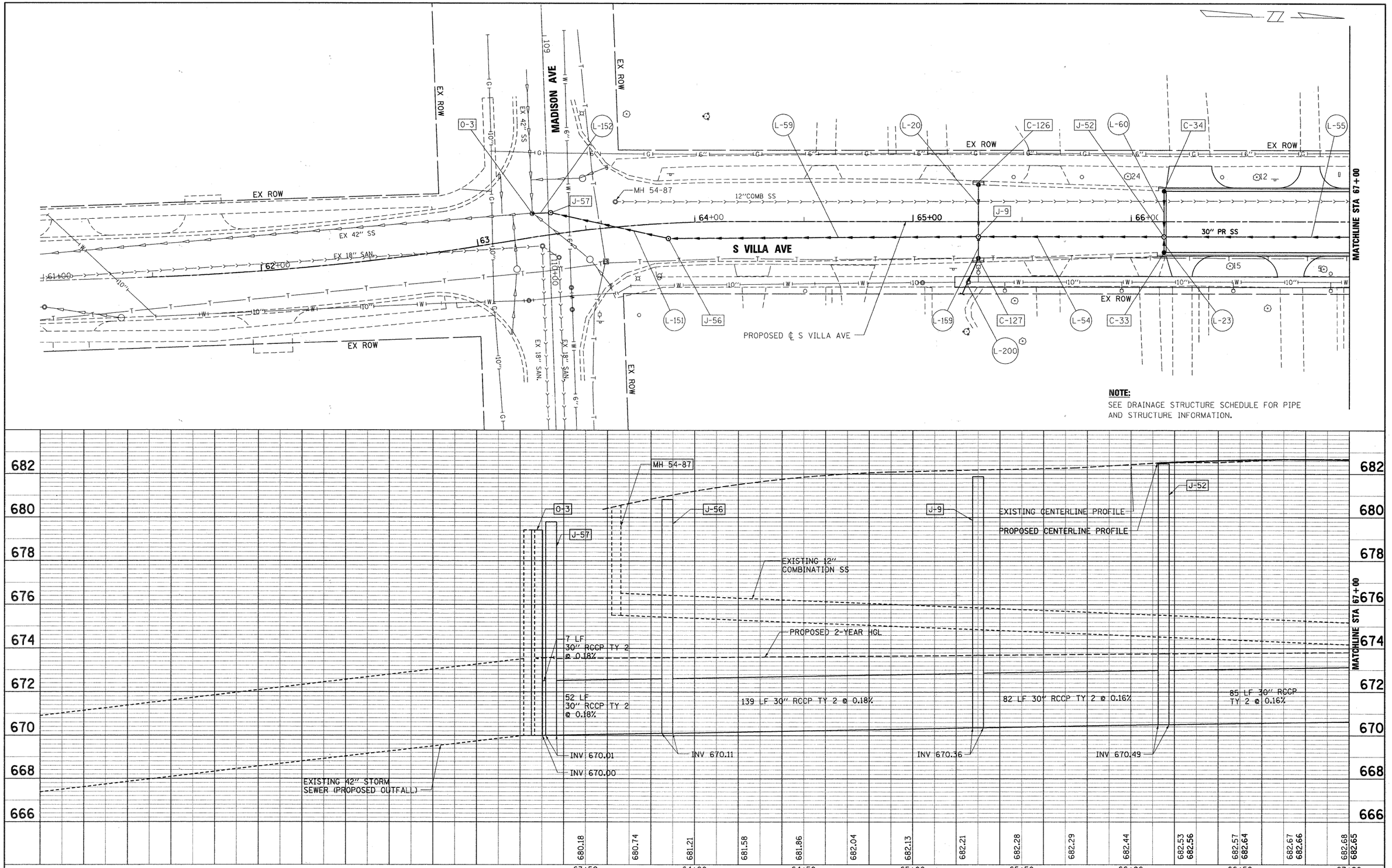
		CONTRACT NO. 63379		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



NOTE:
SEE DRAINAGE STRUCTURE SCHEDULE FOR PIPE AND STRUCTURE INFORMATION.

PLAN — SURVEYED / PLOTTED / ALIGNMENT CHECKED / RT. OF WAY CHECKED / CADD FILE NAME / NOTE BOOK / NO. / BY / DATE

PROFILE — SURVEYED / PLOTTED / GRADES CHECKED / B.M. NOTED / STRUCTURE NOTATIONS CHKD / NOTE BOOK / NO. / BY / DATE

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		DRAWN - E.D.	REVISED -				
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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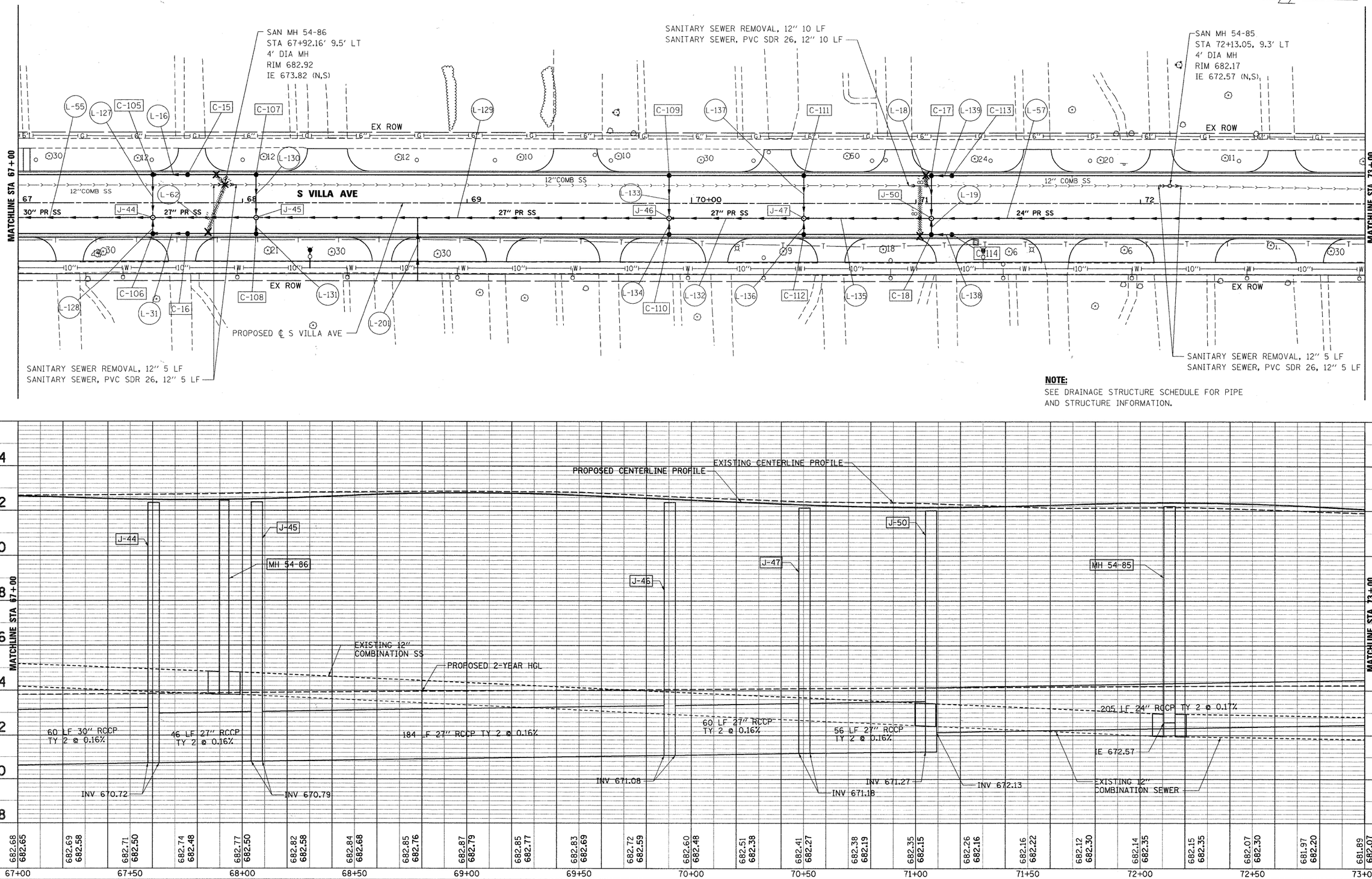
		CONTRACT NO. 63379		
		ILLINOIS FED. AID PROJECT		



NOTE:
SEE DRAINAGE STRUCTURE SCHEDULE FOR PIPE AND STRUCTURE INFORMATION.

PLAN — SURVEYED / PLATTED / ALIGNMENT CHECKED / RT. OF WAY CHECKED / CADD FILE NAME — NOTE BOOK NO. ____ — BY — DATE

PROFILE — SURVEYED / PLATTED / GRADES CHECKED / B.M. NOTED / STRUCTURE NOTATIONS CHKD — NOTE BOOK NO. ____ — BY — DATE

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VILLAGE OF VILLA PARK, ILLINOIS

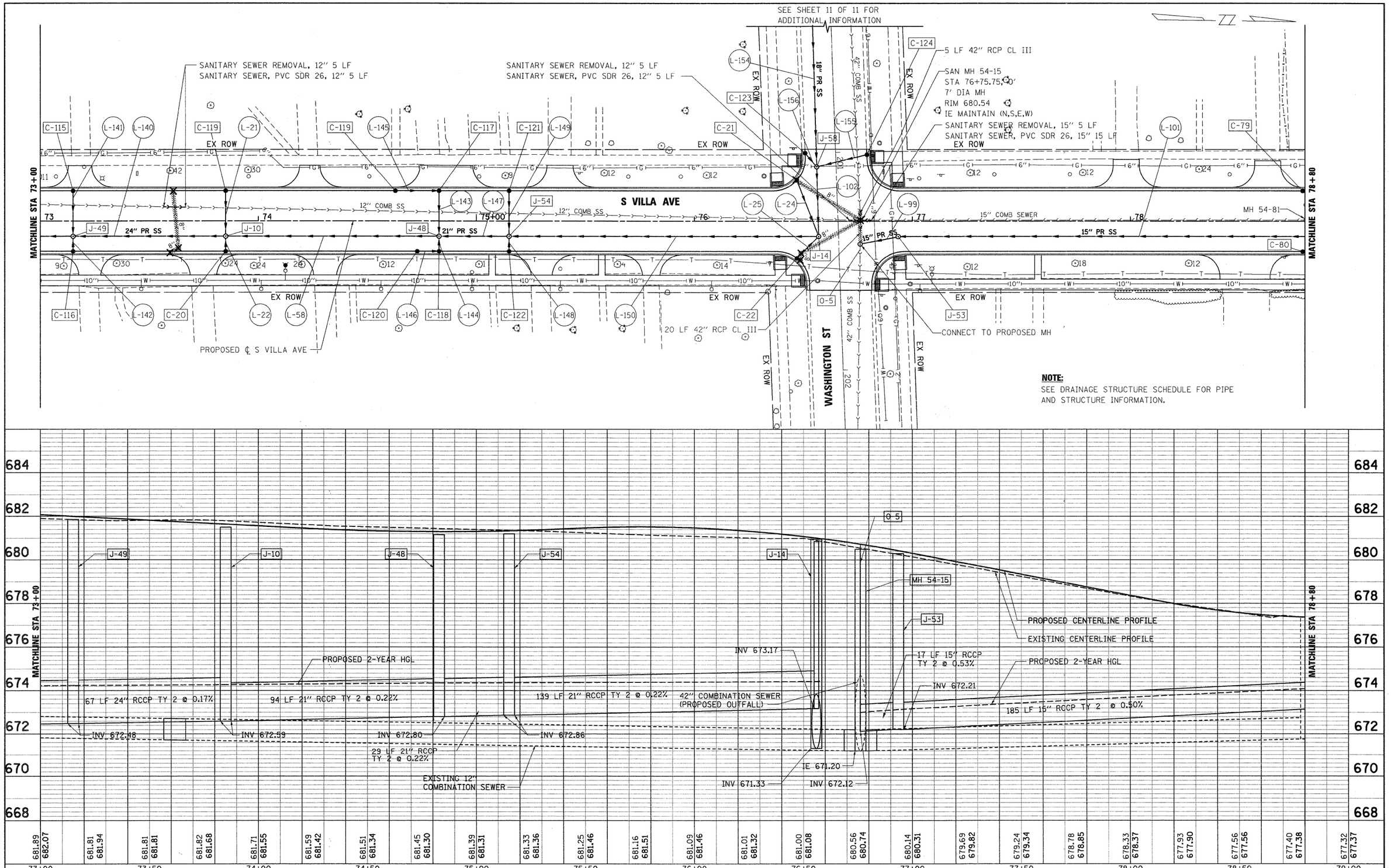
DRAINAGE AND UTILITIES PLAN

SCALE: 1"=20' | SHEET NO. 2 OF 11 SHEETS | STA. 63+19.78 TO STA. 116+71.35

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2652	00-00070-00-PV	DuPAGE	160	45

CONTRACT NO. 63379

ILLINOIS | FED. AID PROJECT



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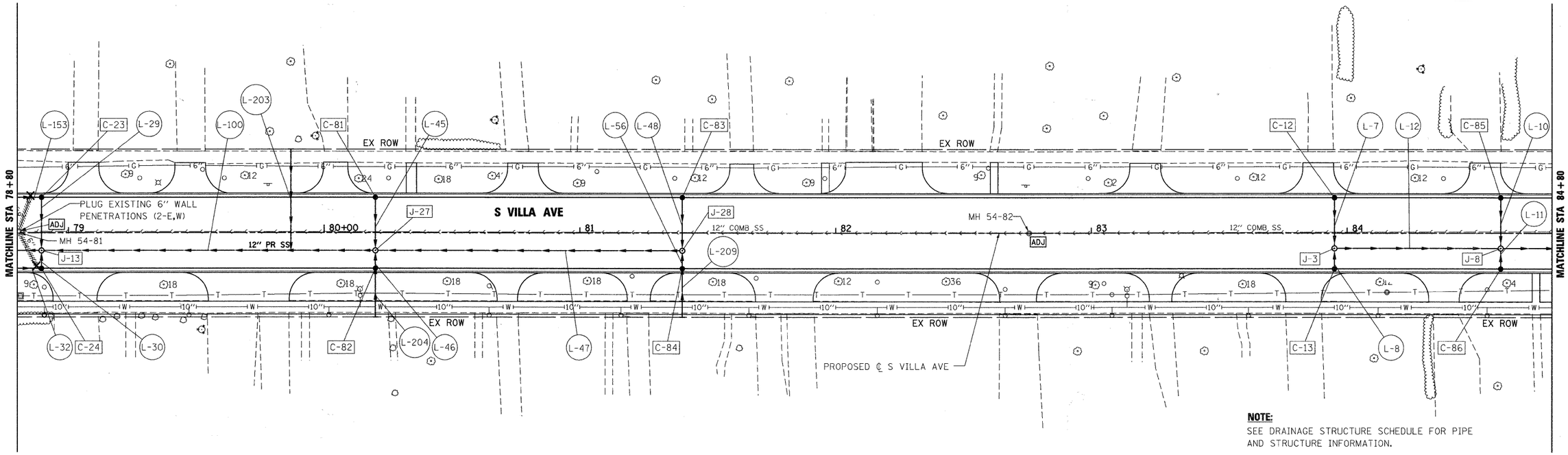
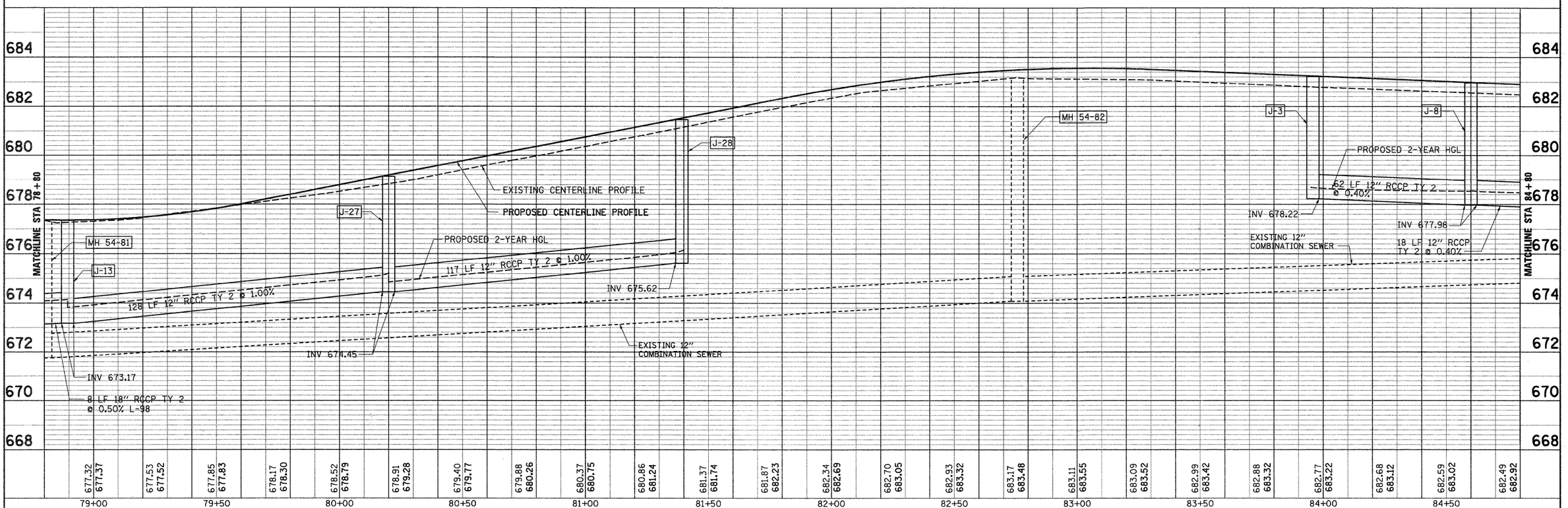


NOTE:
SEE DRAINAGE STRUCTURE SCHEDULE FOR PIPE AND STRUCTURE INFORMATION.



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BY | DATE

PROFILE
SURVEYED / PLOTTED / GRADES CHECKED / B.M. NOTED / STRUCTURE NOTATIONS CHKD
NOTE BOOK NO. ____
BY | DATE

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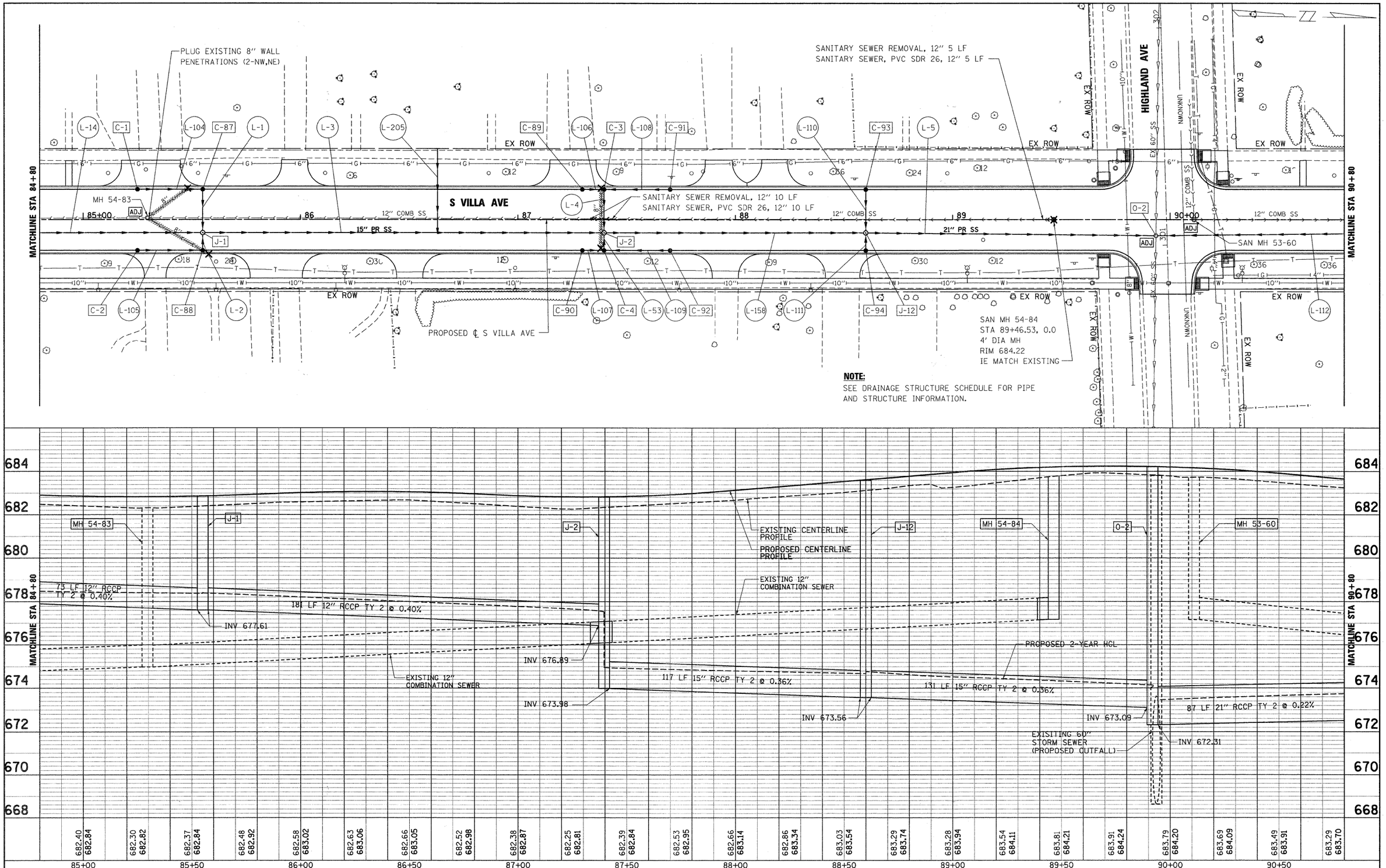

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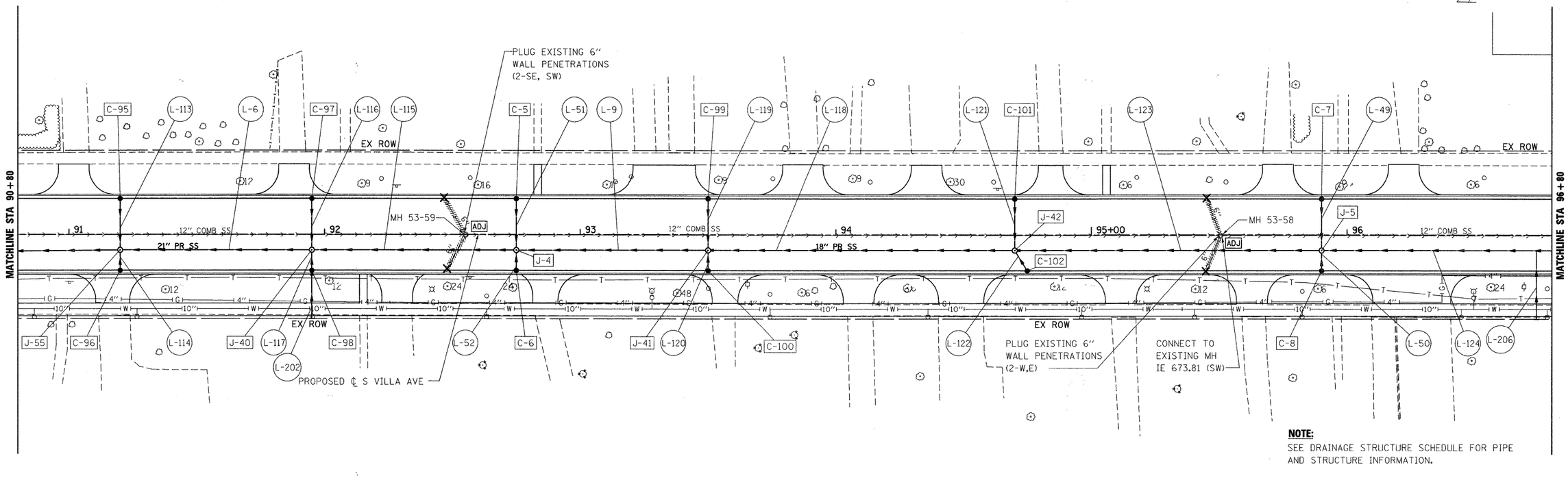
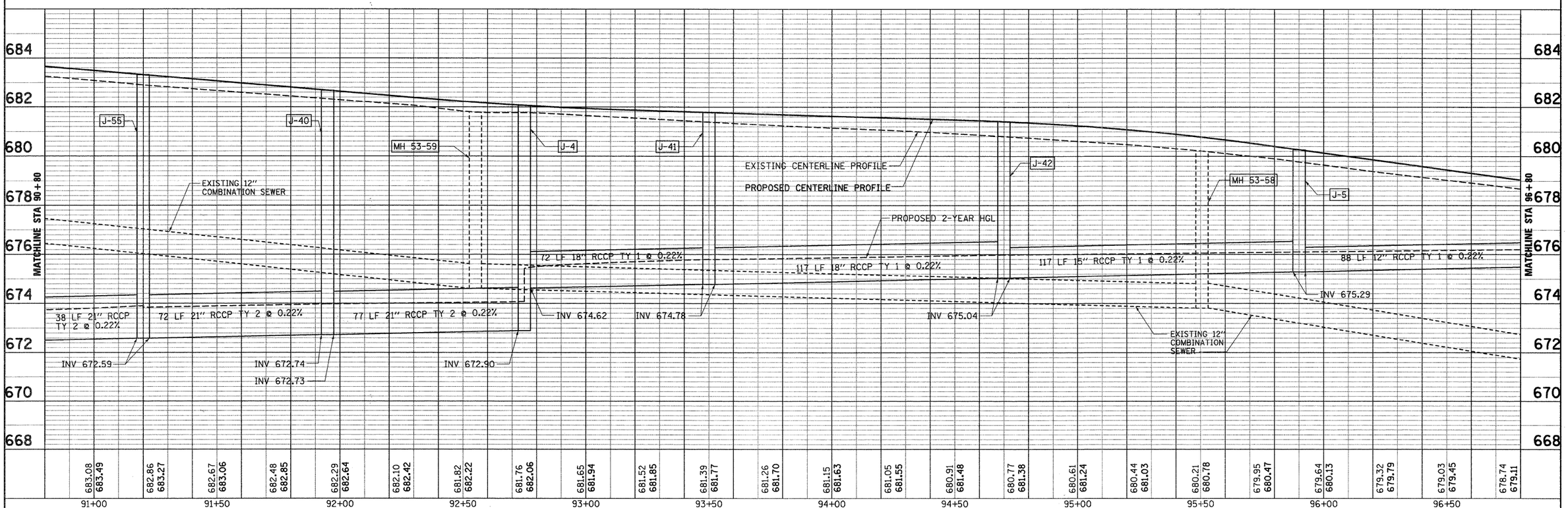


NOTE:
SEE DRAINAGE STRUCTURE SCHEDULE FOR PIPE AND STRUCTURE INFORMATION.



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PLAN — NOTE BOOK NO. ____ — SURVEYED ____ / PLOTTED ____ / ALIGNMENT CHECKED ____ / RT. OF WAY CHECKED ____ / CADD FILE NAME ____ — BY — DATE

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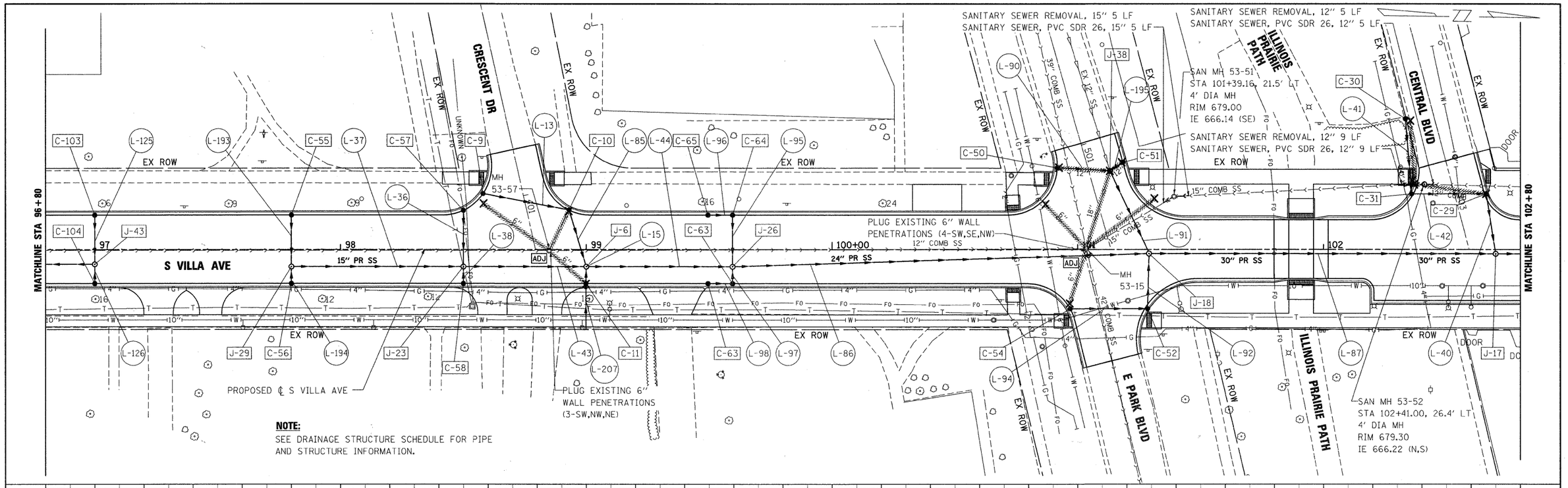
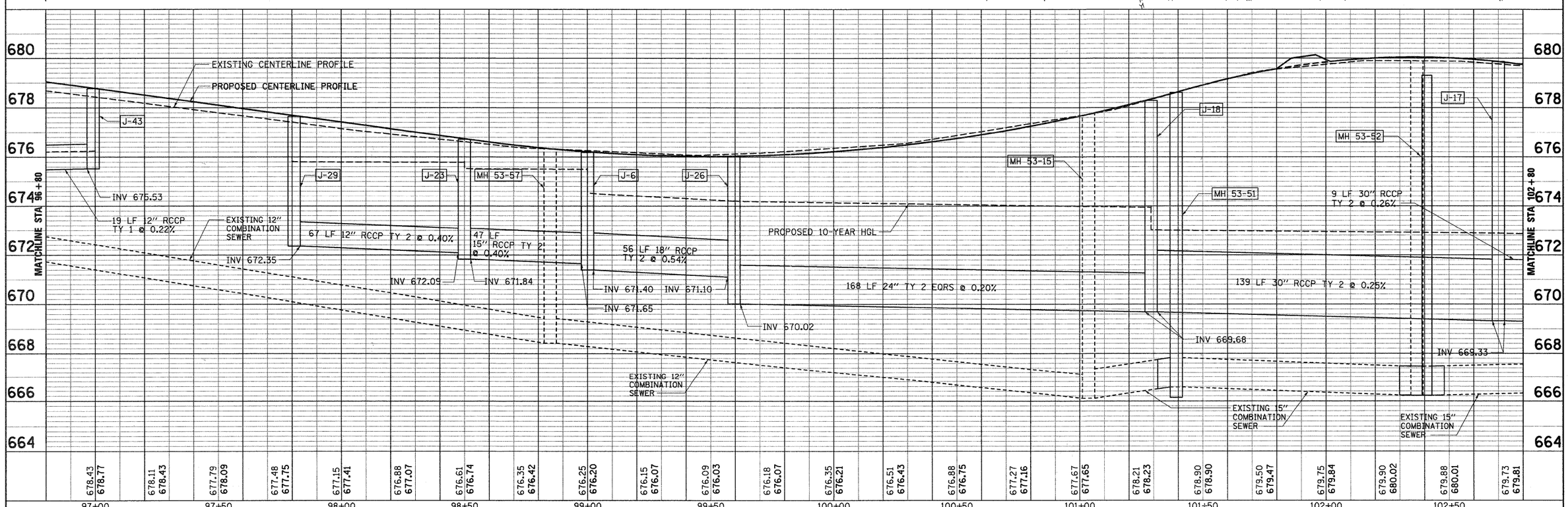


NOTE:
SEE DRAINAGE STRUCTURE SCHEDULE FOR PIPE AND STRUCTURE INFORMATION.



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PROFILE — SURVEYED / PLOTTED / GRADES CHECKED / B.M. NOTED / STRUCTURE NOTATIONS CHKD — NOTE BOOK NO. ____ — BY — DATE

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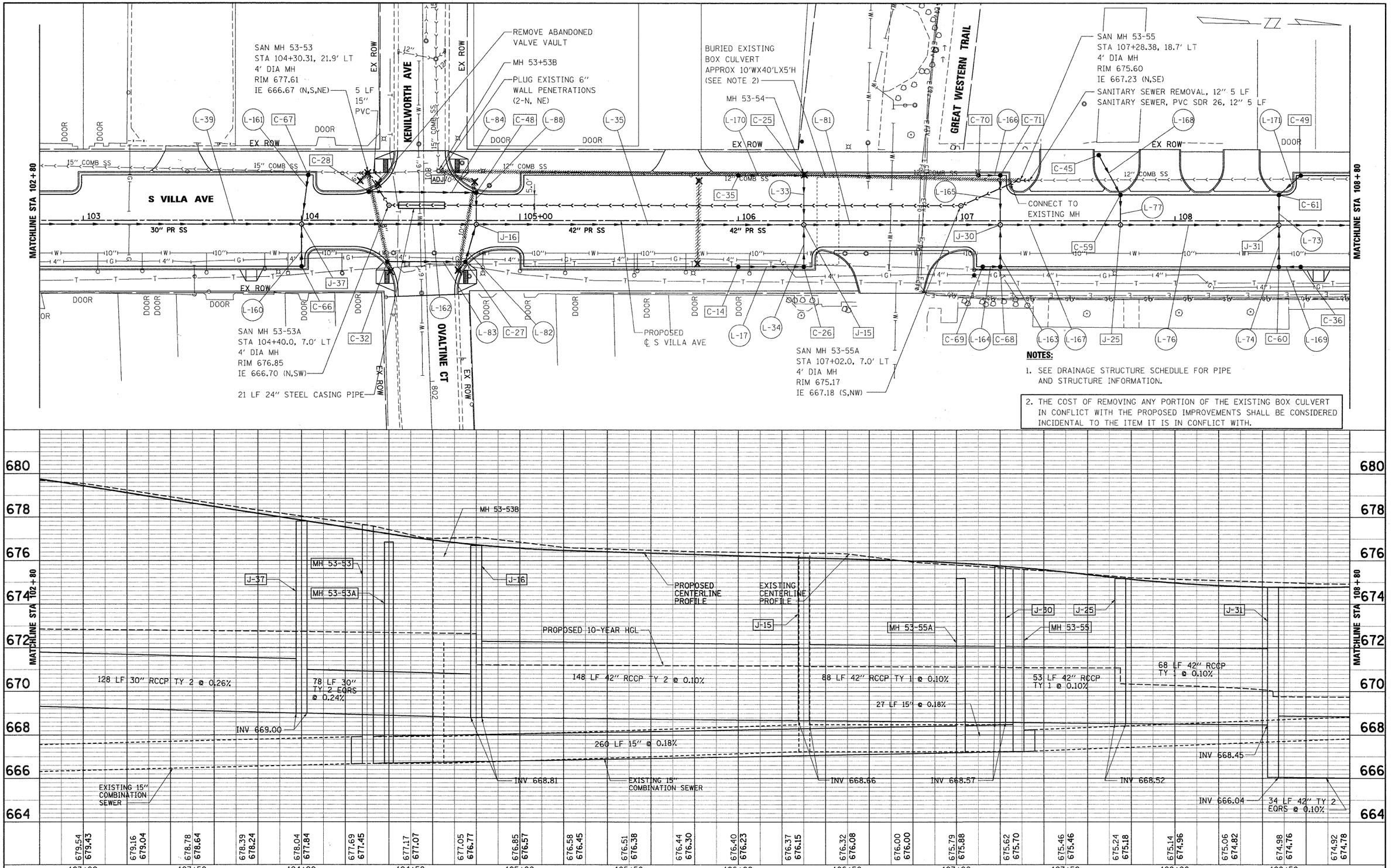

NOTES:

1. SEE DRAINAGE STRUCTURE SCHEDULE FOR PIPE AND STRUCTURE INFORMATION.
2. THE COST OF REMOVING ANY PORTION OF THE EXISTING BOX CULVERT IN CONFLICT WITH THE PROPOSED IMPROVEMENTS SHALL BE CONSIDERED INCIDENTAL TO THE ITEM IT IS IN CONFLICT WITH.

PLAN — SURVEYED / PLOTTED / ALIGNMENT CHECKED / RT. OF WAY CHECKED / CADD FILE NAME — NOTE BOOK NO. — BY — DATE

PROFILE — SURVEYED / PLOTTED / GRADES CHECKED / B.M. NOTED / STRUCTURE NOTATNS CHKD — NOTE BOOK NO. — BY — DATE

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		DRAWN - E.D.	REVISED -			COUNTY DuPAGE	TOTAL SHEETS 160 / SHEET NO. 51
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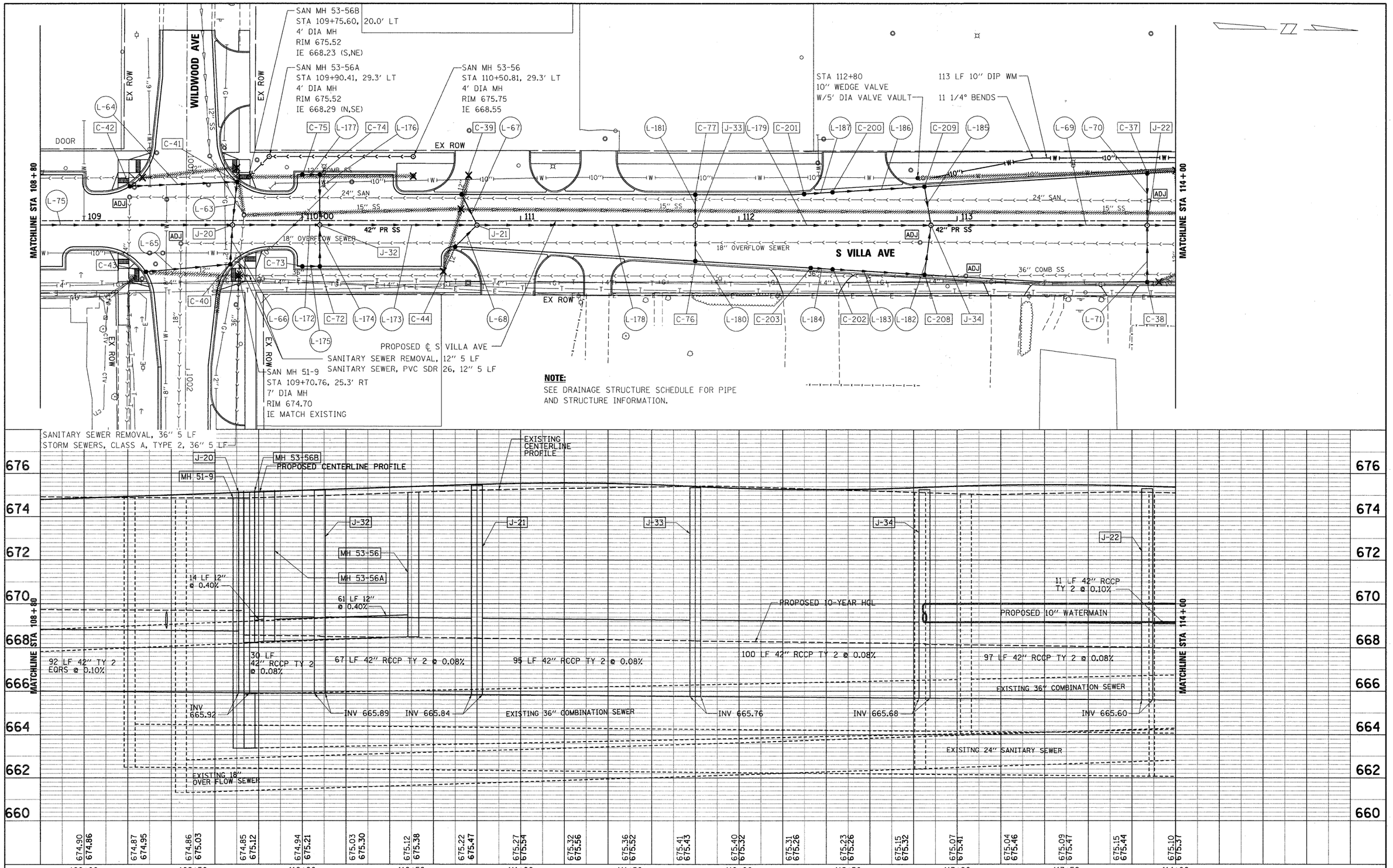

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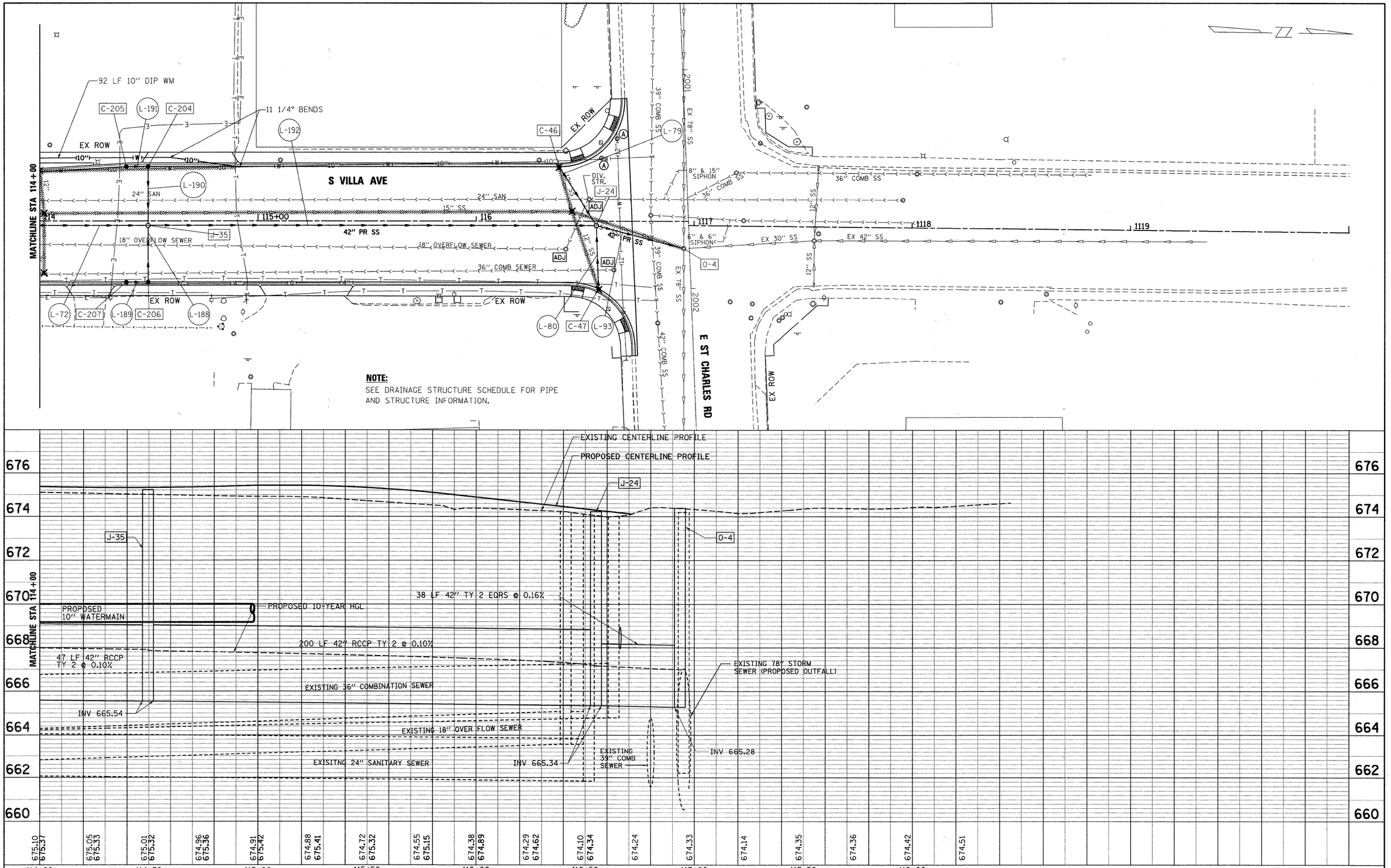
	PLOT SCALE = 1:20	CHECKED -	REVISED -					CONTRACT NO. 63379		
	PLOT DATE = 6/15/2010	DATE - 9/23/2009	REVISED -		SCALE: 1"=20' SHEET NO. 9 OF 11 SHEETS STA. 63+19.78 TO STA. 116+71.35		ILLINOIS FED. AID PROJECT			

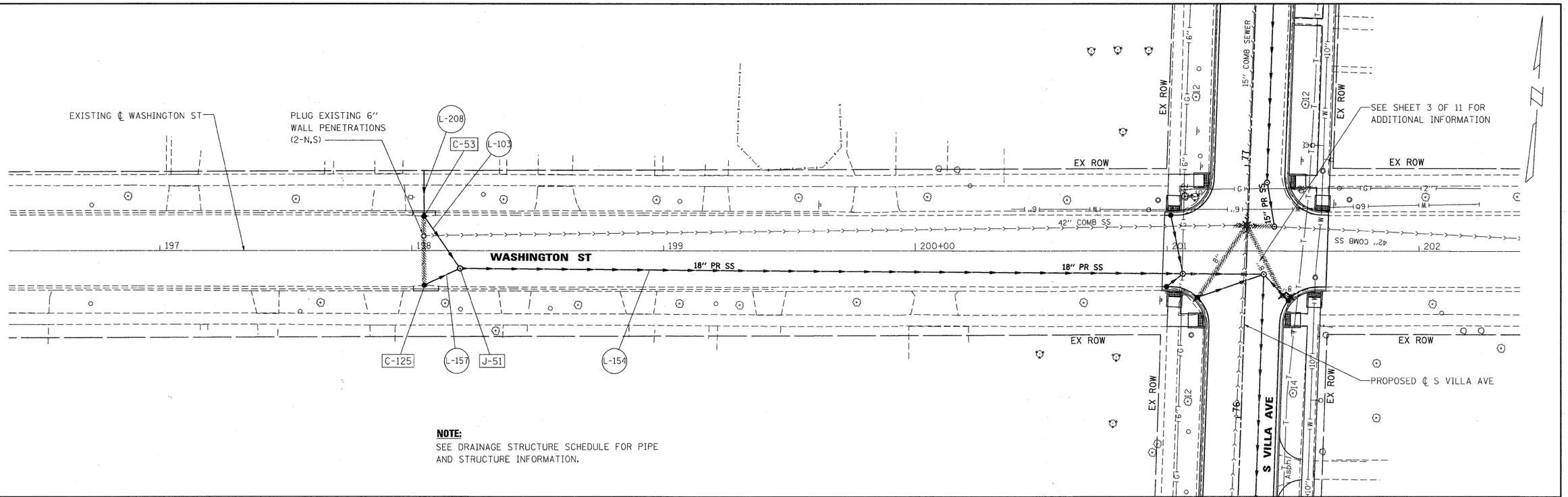


PLAN — SURVEYED / PLOTTED / ALIGNMENT CHECKED / RT. OF WAY CHECKED / CADD FILE NAME / NOTE BOOK / NO. / BY / DATE

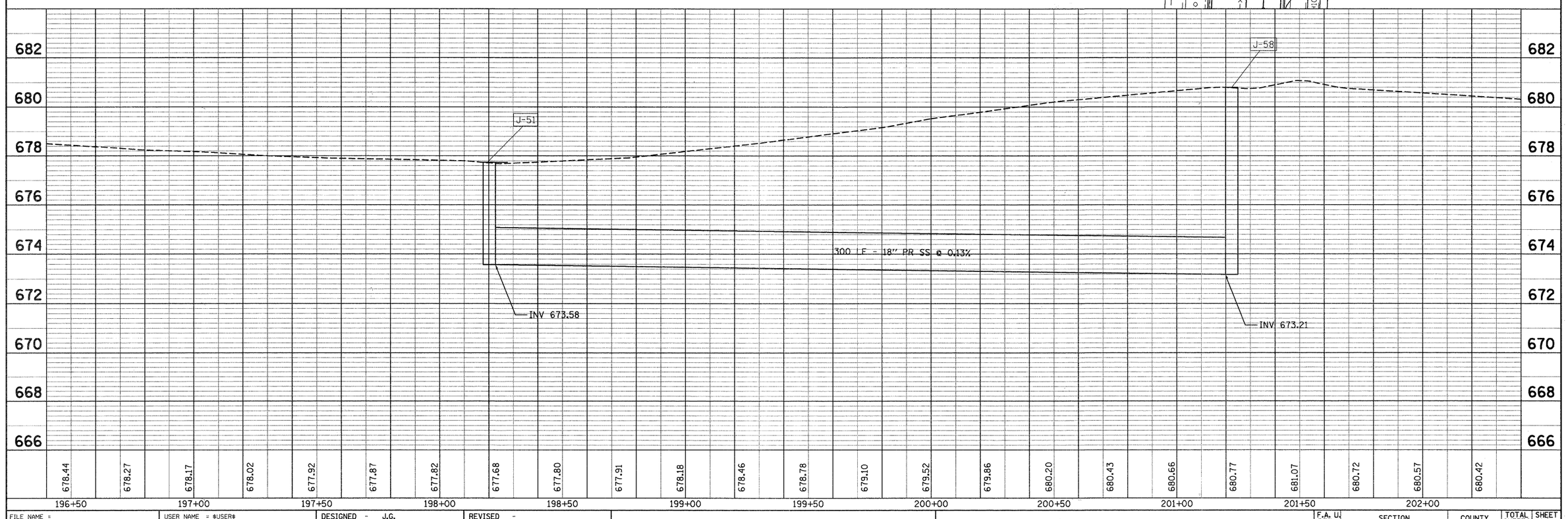
PROFILE — SURVEYED / PLOTTED / GRADES CHECKED / B.M. NOTED / STRUCTURE NOTATIONS CHKD / NOTE BOOK / NO. / BY / DATE

FILE NAME = Ø53_650ø±1Ø.dgn	USER NAME = $USER$	DESIGNED - J.G.	REVISED -	VILLAGE OF VILLA PARK, ILLINOIS	DRAINAGE AND UTILITIES PLAN
		DRAWN - E.D.	REVISED -		
	PLOT SCALE = 1:20	CHECKED -	REVISED -		
	PLOT DATE = 6/15/2010	DATE - 9/23/2009	REVISED -		SCALE: 1"=20' · SHEET NO. 10 OF 11 SHEETS · STA. 63+19.78 TO STA. 116+71.35

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2652	00-00070-00-PV	DuPAGE	160	53
		CONTRACT NO. 63379		
		ILLINOIS FED. AID PROJECT		



NOTE:
SEE DRAINAGE STRUCTURE SCHEDULE FOR PIPE AND STRUCTURE INFORMATION.



PLAN		BY	DATE
NOTE BOOK NO. ____	SURVEYED ____ PLOTTED ____ ALIGNMENT CHECKED ____ RT. OF WAY CHECKED ____ CADD FILE NAME ____		

PROFILE		BY	DATE
NOTE BOOK NO. ____	SURVEYED ____ PLOTTED ____ GRADES CHECKED ____ B.M. NOTED ____ STRUCTURE NOTATNS CHKD ____		

FILE NAME = 054_65@stll.dgn	USER NAME = $USER$	DESIGNED - J.G.	REVISED -
		DRAWN - E.D.	REVISED -
	PLOT SCALE = 1:20	CHECKED -	REVISED -
	PLOT DATE = 6/15/2010	DATE - 9/23/2009	REVISED -

VILLAGE OF VILLA PARK, ILLINOIS

DRAINAGE AND UTILITIES PLAN

SCALE: 1"=20' | SHEET NO. 11 OF 11 SHEETS | STA. 63+19.78 TO STA. 116+71.35

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2652	00-00070-00-PV	DuPAGE	160	54

CONTRACT NO. 63379

ILLINOIS FED. AID PROJECT

Link - ID	Class / Type	Upstream Structure	Downstream Structure	Diameter (inches)	Length (ft)	Slope	Upstream Invert	Downstream Invert	TBF (CY)
L-1	STORM SEWERS, CLASS A, TYPE II	C-87	J-1	12	17.92	1.00	678.24	678.06	8.19
L-2	STORM SEWERS, CLASS A, TYPE II	C-88	J-1	12	5.92	1.00	678.24	678.18	1.67
L-3	STORM SEWERS, CLASS A, TYPE II	J-1	J-2	12	180.44	0.40	677.61	676.89	110.30
L-4	STORM SEWERS, CLASS A, TYPE II	C-3	J-2	12	17.92	1.00	678.34	678.16	4.93
L-5	STORM SEWERS, CLASS A, TYPE II	J-12	O-2	15	131.11	0.36	673.56	673.09	194.17
L-6	STORM SEWERS, CLASS A, TYPE II	J-40	J-55	21	71.34	0.22	672.74	672.59	109.71
L-7	STORM SEWERS, CLASS A, TYPE II	C-12	J-3	12	18.42	1.00	678.96	678.78	4.69
L-8	STORM SEWERS, CLASS A, TYPE I	C-13	J-3	12	6.42	1.00	678.96	678.90	1.59
L-9	STORM SEWERS, CLASS A, TYPE II	J-41	J-4	18	71.34	0.22	674.78	674.62	70.04
L-10	STORM SEWERS, CLASS A, TYPE II	C-85	J-8	12	17.92	1.00	678.70	678.52	4.56
L-11	STORM SEWERS, CLASS A, TYPE I	C-86	J-8	12	5.92	1.00	678.70	678.64	1.47
L-12	STORM SEWERS, CLASS A, TYPE II	J-3	J-8	12	61.34	0.40	678.22	677.98	31.79
L-13	STORM SEWERS, CLASS A, TYPE I	C-9	C-10	15	35.51	1.00	672.01	671.65	9.48
L-14	STORM SEWERS, CLASS A, TYPE II	J-8	J-1	12	90.84	0.40	677.98	677.61	48.75
L-15	STORM SEWERS, CLASS A, TYPE I	C-11	J-6	12	4.92	1.00	671.92	671.87	1.21
L-16	STORM SEWERS, CLASS A, TYPE II	C-15	J-7	12	15.48	2.00	678.20	677.89	4.38
L-17	STORM SEWERS, CLASS A, TYPE I, WM QUALITY	C-14	C-26	12	28.00	1.00	671.81	671.53	7.06
L-18	STORM SEWERS, CLASS A, TYPE II	C-17	J-50	12	18.92	1.00	677.78	677.59	4.98
L-19	STORM SEWERS, CLASS A, TYPE II	C-18	J-50	12	4.92	1.00	677.78	677.73	1.26
L-20	STORM SEWERS, CLASS A, TYPE II	C-126	J-9	12	22.42	1.00	677.51	677.29	6.00
L-21	STORM SEWERS, CLASS A, TYPE I	C-19	J-10	12	18.92	1.00	677.35	677.16	4.80
L-22	STORM SEWERS, CLASS A, TYPE I	C-20	J-10	12	4.92	1.00	677.35	677.30	1.21
L-23	STORM SEWERS, CLASS A, TYPE I	C-33	J-52	12	4.92	1.00	678.24	678.19	1.21
L-24	STORM SEWERS, CLASS A, TYPE II	C-21	J-14	12	25.72	1.00	676.08	675.82	11.80
L-25	STORM SEWERS, CLASS A, TYPE II	C-22	J-14	12	12.17	1.00	676.10	675.98	3.44
L-29	STORM SEWERS, CLASS A, TYPE I	C-23	J-13	12	19.42	0.60	673.29	673.17	4.43
L-30	STORM SEWERS, CLASS A, TYPE I	C-24	J-13	12	5.42	1.00	673.22	673.17	1.26
L-31	STORM SEWERS, CLASS A, TYPE II	C-16	J-7	12	15.48	2.00	678.20	677.89	4.38
L-32	STORM SEWERS, CLASS A, TYPE I	C-80	C-24	12	10.46	1.00	673.32	673.22	2.27
L-33	STORM SEWERS, CLASS A, TYPE II	C-25	J-15	12	20.83	1.00	671.35	671.14	10.12
L-35	STORM SEWERS, CLASS A, TYPE II	J-16	J-15	42	148.00	0.10	668.81	668.66	156.25
L-36	STORM SEWERS, CLASS A, TYPE II	C-57	J-23	12	21.32	1.00	672.42	672.21	5.48
L-37	STORM SEWERS, CLASS A, TYPE II	J-29	J-23	12	66.84	0.40	672.35	672.09	34.21
L-38	STORM SEWERS, CLASS A, TYPE I	C-58	J-23	12	5.42	1.00	672.46	672.41	1.34
L-39	STORM SEWERS, CLASS A, TYPE II	J-17	J-37	30	128.04	0.26	669.33	669.00	190.15
L-40	STORM SEWERS, CLASS A, TYPE II	C-29	J-17	12	22.60	1.24	674.72	674.44	10.50
L-41	STORM SEWERS, CLASS A, TYPE II	C-30	C-31	12	30.55	1.00	675.35	675.04	7.84
L-42	STORM SEWERS, CLASS A, TYPE II	C-31	C-29	12	30.33	1.00	675.04	674.74	7.96
L-43	STORM SEWERS, CLASS A, TYPE II	J-23	J-6	15	46.34	0.40	671.84	671.65	21.72
L-44	STORM SEWERS, CLASS A, TYPE II	J-6	J-26	18	55.87	0.54	671.40	671.10	27.28
L-45	STORM SEWERS, CLASS A, TYPE II	C-81	J-27	12	19.42	1.00	674.90	674.71	4.93
L-46	STORM SEWERS, CLASS A, TYPE I	C-82	J-27	12	5.42	1.00	674.90	674.85	1.34
L-47	STORM SEWERS, CLASS A, TYPE II	J-28	J-27	12	116.84	1.00	675.62	674.45	66.08
L-48	STORM SEWERS, CLASS A, TYPE II	C-83	J-28	12	19.42	1.00	677.26	677.07	4.93
L-49	STORM SEWERS, CLASS A, TYPE II	C-7	J-5	12	18.42	1.00	675.98	675.80	4.69
L-50	STORM SEWERS, CLASS A, TYPE I	C-8	J-5	12	6.42	1.00	675.98	675.92	1.59
L-51	STORM SEWERS, CLASS A, TYPE II	C-5	J-4	12	17.92	1.00	678.45	678.27	4.56
L-52	STORM SEWERS, CLASS A, TYPE I	C-6	J-4	12	5.92	1.00	678.45	678.39	1.26
L-53	STORM SEWERS, CLASS A, TYPE II	C-4	J-2	12	5.92	1.00	678.34	678.28	1.59
L-54	STORM SEWERS, CLASS A, TYPE II	J-52	J-9	30	81.34	0.16	670.49	670.36	162.03
L-55	STORM SEWERS, CLASS A, TYPE II	J-44	J-52	30	145.00	0.16	670.72	670.49	290.64
L-56	STORM SEWERS, CLASS A, TYPE I	C-84	J-28	12	5.42	1.00	677.26	677.21	1.34
L-57	STORM SEWERS, CLASS A, TYPE II	J-49	J-50	24	204.50	0.17	672.48	672.13	299.05
L-58	STORM SEWERS, CLASS A, TYPE II	J-48	J-10	21	94.17	0.22	672.80	672.59	116.03
L-59	STORM SEWERS, CLASS A, TYPE II	J-9	J-56	30	138.97	0.18	670.36	670.11	258.36
L-60	STORM SEWERS, CLASS A, TYPE II	C-34	J-52	12	18.92	1.00	678.24	678.05	4.81
L-62	STORM SEWERS, CLASS A, TYPE II	J-45	J-44	27	46.00	0.16	670.79	670.72	88.38
L-63	STORM SEWERS, CLASS A, TYPE II	C-41	J-20	12	19.80	1.00	670.28	670.08	9.80
L-64	STORM SEWERS, CLASS A, TYPE II	C-42	C-41	12	49.10	1.00	670.77	670.28	12.95
L-65	STORM SEWERS, CLASS A, TYPE II, WM QUALITY	C-43	C-40	12	38.81	1.00	670.68	670.29	10.11
L-66	STORM SEWERS, CLASS A, TYPE II, WM QUALITY	C-40	J-20	12	18.08	1.00	670.29	670.11	8.82
L-67	STORM SEWERS, CLASS A, TYPE II, WM QUALITY	C-39	J-21	12	13.07	1.00	671.23	671.10	3.32
L-68	STORM SEWERS, CLASS A, TYPE II	C-44	J-21	12	11.56	1.00	671.22	671.10	2.94
L-69	STORM SEWERS, CLASS A, TYPE II	J-34	J-22	42	93.84	0.09	665.68	665.60	148.58
L-70	STORM SEWERS, CLASS A, TYPE II, WM QUALITY	C-37	J-22	12	21.15	1.00	670.86	670.65	5.68
L-71	STORM SEWERS, CLASS A, TYPE II	C-38	J-22	12	23.42	1.00	670.74	670.51	6.47
L-72	STORM SEWERS, CLASS A, TYPE II	J-22	J-35	42	57.44	0.10	665.60	665.54	91.33

Link - ID	Class / Type	Upstream Structure	Downstream Structure	Diameter (inches)	Length (ft)	Slope	Upstream Invert	Downstream Invert	TBF (CY)
L-73	STORM SEWERS, CLASS A, TYPE II	C-61	J-31	12	11.82	1.50	670.40	670.22	3.17
L-74	STORM SEWERS, CLASS A, TYPE II, WM QUALITY	C-60	J-31	12	17.18	1.00	670.30	670.13	4.62
L-75	STORM SEWERS, CLASS A, TYPE 2, EQUIVALENT ROUND SIZE 42"	J-31	J-20	42 EQRS	118.01	0.10	666.04	665.93	162.47
L-76	STORM SEWERS, CLASS A, TYPE I	J-25	J-31	42	67.87	0.10	668.52	668.45	49.51
L-77	STORM SEWERS, CLASS A, TYPE I	C-59	J-25	18	11.87	0.67	670.83	670.75	3.14
L-79	STORM SEWERS, CLASS A, TYPE II, WM QUALITY	C-46	J-24	12	29.33	1.00	669.95	669.66	7.80
L-80	STORM SEWERS, CLASS A, TYPE II	C-47	J-24	12	26.54	1.00	669.64	669.37	7.45
L-81	STORM SEWERS, CLASS A, TYPE II	J-15	J-30	42	88.00	0.10	668.66	668.57	84.04
L-82	STORM SEWERS, CLASS A, TYPE II, WM QUALITY	C-27	J-16	12	15.72	0.70	672.28	672.17	4.20
L-83	STORM SEWERS, CLASS A, TYPE I, WM QUALITY	C-32	C-27	12	35.77	1.00	672.64	672.28	8.96
L-84	STORM SEWERS, CLASS A, TYPE II	C-28	C-48	12	49.25	1.00	672.85	672.36	12.56
L-85	STORM SEWERS, CLASS A, TYPE II	C-10	J-6	15	22.09	1.00	671.65	671.43	6.39
L-86	STORM SEWERS, CLASS A, TYPE II, WM QUALITY	J-26	J-18	24 EQRS	167.56	0.20	670.02	669.68	159.59
L-87	STORM SEWERS, CLASS A, TYPE II	J-18	J-17	30	139.00	0.25	669.68	669.33	203.61
L-88	STORM SEWERS, CLASS A, TYPE II	C-48	J-16	12	12.54	1.44	672.36	672.18	3.37
L-90	STORM SEWERS, CLASS A, TYPE II	C-50	J-38	12	21.48	1.00	672.68	672.47	5.76
L-91	STORM SEWERS, CLASS A, TYPE II	J-38	J-18	18	37.00	1.00	672.27	671.90	24.00
L-92	STORM SEWERS, CLASS A, TYPE II, WM QUALITY	C-52	J-18	12	20.76	0.72	672.32	672.17	13.34
L-93	STORM SEWER (WATER MAIN REQUIREMENTS) SPAN 53, RISE 34	J-24	O-4	42 EQRS	38.13	0.16	665.34	665.28	53.36
L-94	STORM SEWERS, CLASS A, TYPE II, WM QUALITY	C-54	C-52	12	32.00	1.00	672.64	672.32	15.07
L-95	STORM SEWERS, CLASS A, TYPE II	C-64	J-26	12	19.42	1.00	671.65	671.46	5.14
L-96	STORM SEWERS, CLASS A, TYPE I	C-65	C-64	12	10.00	1.00	671.75	671.65	2.42
L-97	STORM SEWERS, CLASS A, TYPE II	C-62	J-26	12	5.42	1.00	671.65	671.60	1.39
L-98	STORM SEWERS, CLASS A, TYPE I	C-63	C-62	12	10.00	1.00	671.75	671.65	2.42
L-99	STORM SEWERS, CLASS A, TYPE II	J-53	O-5	15	16.91	0.53	672.21	672.12	18.44
L-100	STORM SEWERS, CLASS A, TYPE II	J-27	J-13	12	127.38	1.00	674.45	673.17	34.40
L-101	STORM SEWERS, CLASS A, TYPE II	J-13	J-53	15	192.80	0.50	673.17	672.21	139.23
L-102	STORM SEWERS, CLASS A, TYPE II	J-58	J-14	18	28.44	0.13	673.21	673.17	28.23
L-104	STORM SEWERS, CLASS A, TYPE II	C-1	C-87	12	30.00	1.00	678.54	678.24	7.63
L-105	STORM SEWERS, CLASS A, TYPE I	C-2	C-88	12	30.00	1.00	678.54	678.24	7.58
L-106	STORM SEWERS, CLASS A, TYPE I	C-89	C-3	12	10.05	1.00	678.53	678.43	2.43
L-107	STORM SEWERS, CLASS A, TYPE I	C-90	C-4	12	10.05	1.00	678.53	678.43	2.43
L-108	STORM SEWERS, CLASS A, TYPE I	C-91	C-3	12	30.40	1.00	678.64	678.34	7.51
L-109	STORM SEWERS, CLASS A, TYPE I	C-92	C-4	12	30.40	1.00	678.64	678.34	7.51
L-110	STORM SEWERS, CLASS A, TYPE II	C-93	J-12	12	18.42	1.00	679.34	679.16	4.69
L-111	STORM SEWERS, CLASS A, TYPE I	C-94	J-12	12	6.42	1.00	679.34	679.28	1.59
L-112	STORM SEWERS, CLASS A, TYPE II	J-55	O-2A	21	125.24	0.22	672.59	672.31	216.88
L-113	STORM SEWERS, CLASS A, TYPE I	C-95	J-55	12	17.92	1.00	679.39	679.21	3.90
L-114	STORM SEWERS, CLASS A, TYPE I	C-96	J-55	12	5.92	1.00	679.39	679.33	1.25
L-115	STORM SEWERS, CLASS A, TYPE II	J-4	J-40	21	76.34	0.22	672.90	672.73	110.85
L-116	STORM SEWERS, CLASS A, TYPE II	C-97	J-40	12	18.42	1.00	678.40	678.22	4.69
L-117	STORM SEWERS, CLASS A, TYPE II	C-98	J-40	12	6.42	1.00	678.40	678.34	1.78
L-118	STORM SEWERS, CLASS A, TYPE II	J-42	J-41	18	116.84	0.22	675.04	674.78	96.20
L-119	STORM SEWERS, CLASS A, TYPE I	C-99	J-41	12	18.42	1.00	678.00	677.82	3.72
L-120	STORM SEWERS, CLASS A, TYPE I	C-100	J-41	12	6.42	1.00	678.00	677.94	1.26
L-121	STORM SEWERS, CLASS A, TYPE I	C-101	J-42	12	18.42	1.00	677.27	677.09	4.42
L-122	STORM SEWERS, CLASS A, TYPE I	C-102	J-42	12	7.85	1.00	677.23	677.15	1.86
L-123	STORM SEWERS, CLASS A, TYPE II	J-5	J-42	15	116.84	0.22	675.29	675.04	74.07
L-124	STORM SEWERS, CLASS A, TYPE I	J-43	J-5	12	106.84	0.22	675.53	675.29	25.10
L-125	STORM SEWERS, CLASS A, TYPE II	C-103	J-43	12	18.42	1.00	674.49	674.31	4.69
L-126	STORM SEWERS, CLASS A, TYPE I	C-104	J-43	12	6.42	1.00	674.49	674.43	1.59
L-127	STORM SEWERS, CLASS A, TYPE II	C-105	J-44	12	19.42	1.00	677.89	677.70	5.59
L-128	STORM SEWERS, CLASS A, TYPE II	C-106	J-44	12	5.42	1.00	677.89	677.84	1.52
L-129	STORM SEWERS, CLASS A, TYPE II	J-46	J-45	27	184.03	0.16	671.08	670.79	347.05
L-130	STORM SEWERS, CLASS A, TYPE II	C-107	J-45	12	19.42	1.00	678.24	678.05	4.93
L-131	STORM SEWERS, CLASS A, TYPE II	C-108	J-45	12	5.42	1.00	678.24	678.19	1.38
L-132	STORM SEWERS, CLASS A, TYPE II	J-47	J-46	27	60.00	0.16	671.18	671.08	109.03
L-133	STORM SEWERS, CLASS A, TYPE II	C-109	J-46	12	19.42	1.00	678.24	678.05	4.93
L-134	STORM SEWERS, CLASS A, TYPE II	C-110	J-46	12	5.42	1.00	678.24	678.19	1.38
L-135	STORM SEWERS, CLASS A, TYPE II	J-50	J-47	27	56.84	0.16	671.27	671.18	99.88
L-136	STORM SEWERS, CLASS A, TYPE I	C-112	J-47	12	5.42	1.00	677.99	677.94	1.34
L-137	STORM SEWERS, CLASS A, TYPE II	C-111	J-47	12	19.42	1.00	677.99	677.80	4.93
L-138	STORM SEWERS, CLASS A, TYPE I	C-114	C-18	12	9.16	1.00	677.87	677.78	2.21
L-139	STORM SEWERS, CLASS A, TYPE I	C-113	C-17	12	9.16	1.00	677.87	677.78	2.21
L-140	STORM SEWERS, CLASS A, TYPE II	J-10	J-49	24	66.34	0.17	672.59	672.48	90.39

Link - ID	Class / Type	Upstream Structure	Downstream Structure	Diameter (inches)	Length (ft)	Slope	Upstream Invert	Downstream Invert	TBF (CY)
L-141	STORM SEWERS, CLASS A, TYPE II	C-115	J-49	12	19.42	1.00	677.71	677.52	4.93
L-142	STORM SEWERS, CLASS A, TYPE I	C-116	J-49	12	5.42	1.00	677.71	677.66	1.34
L-143	STORM SEWERS, CLASS A, TYPE II	C-117	J-48	12	19.42	1.00	676.83	676.64	5.32
L-144	STORM SEWERS, CLASS A, TYPE II	C-118	J-48	12	5.42	1.00	676.92	676.87	1.39
L-145	STORM SEWERS, CLASS A, TYPE I	C-119	C-117	12	20.00	1.00	677.03	676.83	4.93
L-146	STORM SEWERS, CLASS A, TYPE I	C-120	C-118	12	10.00	1.00	677.02	676.92	2.42
L-147	STORM SEWERS, CLASS A, TYPE II	J-54	J-48	21	29.01	0.22	672.86	672.80	34.18
L-148	STORM SEWERS, CLASS A, TYPE I	C-122	J-54	12	5.42	1.00	677.06	677.01	1.34
L-149	STORM SEWERS, CLASS A, TYPE II	C-121	J-54	12	19.42	1.00	677.06	676.87	4.93
L-150	STORM SEWERS, CLASS A, TYPE II	J-14	J-54	21	138.34	0.22	673.17	672.86	154.04
L-151	STORM SEWERS, CLASS A, TYPE II	J-56	J-57	30	52.10	0.18	670.11	670.01	86.65
L-152	STORM SEWERS, CLASS A, TYPE II	J-57	O-3	30	6.92	0.18	670.01	670.00	10.50
L-153	STORM SEWERS, CLASS A, TYPE I	C-79	C-23	12	10.46	1.00	673.39	673.29	2.20
L-155	STORM SEWERS, CLASS A, TYPE II	C-124	J-58	12	22.08	1.00	676.38	676.16	5.63
L-156	STORM SEWERS, CLASS A, TYPE I	C-123	J-58	12	6.63	1.00	676.34	676.27	1.65
L-158	STORM SEWERS, CLASS A, TYPE II	J-2	J-12	15	116.74	0.36	673.98	673.56	149.59
L-159	STORM SEWERS, CLASS A, TYPE I	C-127	J-9	12	8.01	1.00	677.89	677.81	1.92
L-160	STORM SEWERS, CLASS A, TYPE II, WM QUALITY	C-66	J-37	12	17.22	1.00	673.24	673.07	4.74
L-161	STORM SEWERS, CLASS A, TYPE II	C-67	J-37	12	20.96	1.00	673.46	673.25	5.57
L-162	STORM SEWERS, CLASS A, TYPE II	J-37	J-16	24	78.00	0.24	669.00	668.81	93.72
L-163	STORM SEWERS, CLASS A, TYPE II, WM QUALITY	C-68	J-30	12	17.09	1.00	671.41	671.24	4.38
L-164	STORM SEWERS, CLASS A, TYPE I, WM QUALITY	C-69	C-68	12	8.00	1.00	671.49	671.41	1.86
L-165	STORM SEWERS, CLASS A, TYPE II	C-71	J-30	12	20.87	1.25	671.33	671.07	5.66
L-166	STORM SEWERS, CLASS A, TYPE I	C-70	C-71	12	8.00	1.00	671.41	671.33	1.90
L-167	STORM SEWERS, CLASS A, TYPE II	J-30	J-25	42	53.00	0.10	668.57	668.52	44.78
L-168	STORM SEWERS, CLASS A, TYPE I	C-45	C-59	18	45.13	1.00	670.72	670.27	20.97
L-169	STORM SEWERS, CLASS A, TYPE I, WM QUALITY	C-36	C-60	12	8.00	1.00	670.38	670.30	1.90
L-170	STORM SEWERS, CLASS A, TYPE II	C-35	C-25	12	28.00	1.00	671.63	671.35	7.24
L-171	STORM SEWERS, CLASS A, TYPE I	C-49	C-61	12	13.45	1.00	670.53	670.40	3.26
L-172	STORM SEWERS, CLASS A, TYPE II	J-20	J-32	42	34.84	0.08	665.93	665.89	51.47
L-173	STORM SEWERS, CLASS A, TYPE II	J-32	J-21	42	66.84	0.08	665.89	665.84	103.14
L-174	STORM SEWERS, CLASS A, TYPE II	C-72	J-32	12	16.42	1.00	670.71	670.55	4.59
L-175	STORM SEWERS, CLASS A, TYPE I	C-73	C-72	12	8.00	1.00	670.79	670.71	1.95
L-176	STORM SEWERS, CLASS A, TYPE II, WM QUALITY	C-74	J-32	12	20.42	1.00	670.71	670.51	5.76
L-177	STORM SEWERS, CLASS A, TYPE I, WM QUALITY	C-75	C-74	12	8.00	1.00	670.79	670.71	1.95
L-178	STORM SEWERS, CLASS A, TYPE II	J-21	J-33	42	94.84	0.08	665.84	665.76	149.53
L-179	STORM SEWERS, CLASS A, TYPE II	J-33	J-34	42	102.84	0.08	665.76	665.68	161.87
L-180	STORM SEWERS, CLASS A, TYPE II	C-76	J-33	12	13.82	1.00	671.02	670.88	3.61
L-181	STORM SEWERS, CLASS A, TYPE I, WM QUALITY	C-77	J-33	12	11.42	1.00	671.15	671.04	2.89
L-182	STORM SEWERS, CLASS A, TYPE II	C-208	J-34	12	22.85	1.00	670.28	670.05	11.78
L-183	STORM SEWERS, CLASS A, TYPE II	C-202	C-208	12	42.20	1.00	670.70	670.28	11.36
L-184	STORM SEWERS, CLASS A, TYPE I	C-203	C-202	12	10.02	1.00	670.80	670.70	2.42
L-185	STORM SEWERS, CLASS A, TYPE II, WM QUALITY	C-209	J-34	12	17.85	1.00	670.44	670.26	8.93
L-186	STORM SEWERS, CLASS A, TYPE II, WM QUALITY	C-200	C-209	12	42.21	1.00	670.86	670.44	11.45
L-187	STORM SEWERS, CLASS A, TYPE I, WM QUALITY	C-201	C-200	12	13.02	1.00	670.99	670.86	3.15
L-188	STORM SEWERS, CLASS A, TYPE II	C-206	J-35	12	23.42	1.00	670.55	670.32	6.74
L-189	STORM SEWERS, CLASS A, TYPE I	C-207	C-206	12	10.00	1.00	670.65	670.55	2.42
L-190	STORM SEWERS, CLASS A, TYPE II, WM QUALITY	C-204	J-35	12	24.42	1.00	670.62	670.38	6.93
L-191	STORM SEWERS, CLASS A, TYPE I, WM QUALITY	C-205	C-204	12	10.00	1.00	670.72	670.62	2.42
L-192	STORM SEWERS, CLASS A, TYPE II	J-35	J-24	42	200.24	0.10	665.54	665.34	297.43
L-193	STORM SEWERS, CLASS A, TYPE II	C-55	J-29	12	19.42	1.00	673.40	673.21	4.93
L-194	STORM SEWERS, CLASS A, TYPE I	C-56	J-29	12	5.42	1.00	673.40	673.35	1.34
L-195	STORM SEWERS, CLASS A, TYPE I	C-51	J-38	12	6.30	1.00	672.85	672.79	1.58
L-201	STORM SEWERS, CLASS B, TYPE 1 6"	STUB	J-7	6	26.00	1.00	672.91	672.65	30.06
L-203	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE, 6"	STUB	J-13	6	40.00	1.00	675.02	674.62	3.35
L-204	STORM SEWERS, CLASS B, TYPE 1 6"	STUB	C-82	6	19.00	1.00	675.09	674.90	3.80
L-205	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE, 6"	STUB	J-2	6	39.00	1.00	678.09	677.70	18.21
L-206	STORM SEWERS, CLASS B, TYPE 1 6"	STUB	J-5	6	27.00	1.00	676.24	675.97	5.67
L-207	STORM SEWERS, CLASS B, TYPE 1 6"	STUB	C-11	6	19.00	1.00	672.11	671.92	3.80
L-209	STORM SEWERS, CLASS B, TYPE 1 6"	STUB	C-84	6	19.00	1.00	677.45	677.26	3.80

WASHINGTON STREET

Link - ID	Class / Type	Upstream Structure	Downstream Structure	Diameter (inches)	Length (ft)	Slope	Upstream Invert	Downstream Invert	TBF (CY)
L-103	STORM SEWERS, CLASS A, TYPE I	C-53	J-51	15	23.30	1.00	673.81	673.58	4.97
L-154	STORM SEWERS, CLASS A, TYPE II	J-51	J-58	18	283.45	0.13	673.58	673.21	188.70
L-157	STORM SEWERS, CLASS A, TYPE I	C-125	J-51	12	13.60	1.00	673.76	673.62	2.90
L-208	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE, 6"	STUB	C-53	6	18.00	1.00	673.99	673.81	8.85

Stanley Consultants INC.
8501 West Higgins Road, Suite 730, Chicago, Illinois 60631-2801
www.stanleygroup.com
Illinois Firm Registration No. 184-000533
(773) 693-2624

FILE NAME = 055_650drschl.dgn	USER NAME = USER:7937	DESIGNED - J.G.	REVISED -
		DRAWN - E.D.	REVISED -
	PLOT SCALE = 1:1	CHECKED -	REVISED -
	PLOT DATE = 7/6/2010	DATE - 9/23/2009	REVISED -

VILLAGE OF VILLA PARK, ILLINOIS

STORM SEWER SCHEDULE

SCALE: NO SCALE | SHEET NO. 1 OF 2 SHEETS | STA. 63+19.78 TO STA. 116+71.35

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2652	00-00070-00-PV	DuPAGE	160	55
		CONTRACT NO. 63379		

FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT

STR. ID	STATION	OFFSET		RIM EL	INVERT NORTH	INVERT SOUTH	INVERT EAST	INVERT WEST	INVERT	DRAINAGE STRUCTURE	TYPE	DIA.	LID TYPE
C-1	85+25.00	14.00	LT	682.54	678.54					CATCH BASINS	TY A	4'	TY 11V F&G
C-2	85+25.00	14.00	RT	682.54	678.54					CATCH BASINS	TY A	4'	TY 11V F&G
C-3	87+39.60	14.00	LT	682.54	678.34	678.43	678.34			CATCH BASINS	TY A	4'	TY 11V F&G
C-4	87+39.60	14.00	RT	682.54	678.34	678.34		678.34		CATCH BASINS	TY A	4'	TY 11V F&G
C-5	92+75.00	14.00	LT	682.45			678.45			CATCH BASINS	TY A	4'	TY 11V F&G
C-6	92+75.00	14.00	RT	681.78				678.45		CATCH BASINS	TY A	4'	TY 11V F&G
C-7	95+90.00	14.00	LT	679.98			675.98			CATCH BASINS	TY A	4'	TY 11V F&G
C-8	95+90.00	14.00	RT	679.98				675.95		CATCH BASINS	TY A	4'	TY 11V F&G
C-9	98+58.00	22.70	LT	676.26	672.01 NE					CATCH BASINS	TY A	4'	TY 11V F&G
C-10	98+92.89	16.10	LT	675.93	671.65 NE	671.65 SW				CATCH BASINS	TY A	4'	TY 11V F&G
C-11	98+99.76	14.00	RT	675.92			671.92	671.92		CATCH BASINS	TY A	4'	TY 11V F&G
C-12	83+95.00	14.00	LT	682.96			678.96			CATCH BASINS	TY A	4'	TY 11V F&G
C-13	83+95.00	14.00	RT	682.96				678.96		CATCH BASINS	TY A	4'	TY 11V F&G
C-14	106+00.00	21.00	RT	675.81	671.81					CATCH BASINS	TY A	4'	TY 11V F&G
C-15	67+75.48	14.00	LT	682.20		678.20				CATCH BASINS	TY A	4'	TY 11V F&G
C-16	67+75.48	14.00	RT	682.20		678.20				CATCH BASINS	TY A	4'	TY 11V F&G
C-17	71+06.84	14.00	LT	681.87	677.78		677.78			CATCH BASINS	TY A	4'	TY 11V F&G
C-18	71+06.84	14.00	RT	681.87	677.78			677.78		CATCH BASINS	TY A	4'	TY 11V F&G
C-19	73+85.00	14.00	LT	681.35			677.35			CATCH BASINS	TY A	4'	TY 11V F&G
C-20	73+85.00	14.00	RT	681.35				677.35		CATCH BASINS	TY A	4'	TY 11V F&G
C-21	76+47.00	18.94	LT	680.08	676.08 NE					CATCH BASINS	TY A	4'	TY 11V F&G
C-22	76+47.00	17.15	RT	680.10	676.10 NW					CATCH BASINS	TY A	4'	TY 11V F&G
C-23	78+89.46	14.00	LT	677.08		673.29	673.29			CATCH BASINS	TY A	4'	TY 11V F&G
C-24	78+89.46	14.00	RT	677.08		673.22		673.22		CATCH BASINS	TY A	4'	TY 11V F&G
C-25	106+30.00	21.00	LT	675.77		671.35	671.35			CATCH BASINS	TY A	4'	TY 11V F&G
C-26	106+30.00	21.00	RT	675.83		671.53		671.53		CATCH BASINS	TY A	4'	TY 11V F&G
C-27	104+75.00	18.88	RT	676.35	672.28 NW	672.28				CATCH BASINS	TY A	4'	TY 11V F&G
C-28	104+30.75	13.20	LT	677.09	672.85					CATCH BASINS	TY A	4'	TY 11V F&G
C-29	102+66.12	22.63	LT	678.84		674.74	674.72			CATCH BASINS	TY A	4'	TY 11V F&G
C-30	102+33.25	52.00	LT	679.35			675.35			CATCH BASINS	TY A	4'	TY 11V F&G
C-31	102+35.60	22.56	LT	679.43	675.04			675.04		CATCH BASINS	TY A	4'	TY 11V F&G
C-32	104+39.23	18.88	RT	676.84	672.64					CATCH BASINS	TY A	4'	TY 11V F&G
C-33	66+15.00	14.00	RT	682.24				678.24		CATCH BASINS	TY A	4'	TY 11V F&G
C-34	66+15.00	14.00	LT	682.24			678.24			CATCH BASINS	TY A	4'	TY 11V F&G
C-35	106+00.00	21.00	LT	675.63	671.63					CATCH BASINS	TY A	4'	TY 11V F&G
C-36	108+57.55	21.00	RT	674.38		670.38				CATCH BASINS	TY A	4'	TY 11V F&G
C-37	113+87.00	21.73	LT	674.86			670.86			CATCH BASINS	TY A	4'	TY 11V F&G
C-38	113+87.00	28.00	RT	674.74				670.74		CATCH BASINS	TY A	4'	TY 11V F&G
C-39	110+73.00	12.00	LT	675.22	670.75 NE					CATCH BASINS	TY A	4'	TY 11V F&G
C-40	109+67.00	20.10	RT	674.75		670.29		670.29		CATCH BASINS	TY A	4'	TY 11V F&G
C-41	109+70.05	18.00	LT	674.80		670.28	670.28			CATCH BASINS	TY A	4'	TY 11V F&G
C-42	109+21.00	15.70	LT	674.77	670.77					CATCH BASINS	TY A	4'	TY 11V F&G
C-43	109+28.34	23.45	RT	674.68	670.68					CATCH BASINS	TY A	4'	TY 11V F&G
C-44	110+70.00	12.00	RT	675.21	670.75 NW					CATCH BASINS	TY A	4'	TY 11V F&G
C-45	107+58.37	53.96	LT	675.22	670.72 NE					CATCH BASINS	TY A	4'	TY 11V F&G
C-46	116+38.00	25.00	LT	673.95	669.95 NE					CATCH BASINS	TY A	4'	TY 11V F&G
C-47	116+56.00	31.10	RT	673.64				669.64		CATCH BASINS	TY A	4'	TY 11V F&G
C-48	104+80.00	12.85	LT	676.47		672.36	672.36			CATCH BASINS	TY A	4'	TY 11V F&G
C-49	108+58.00	21.00	LT	674.53		670.53 SE				CATCH BASINS	TY A	4'	TY 11V F&G
C-50	100+92.30	33.13	LT	676.68	672.68					CATCH BASINS	TY A	4'	TY 11V F&G
C-51	101+17.90	35.22	LT	676.85		672.85 SE				CATCH BASINS	TY A	4'	TY 11V F&G
C-52	101+29.00	24.50	RT	677.51		672.32		672.28		CATCH BASINS	TY A	4'	TY 11V F&G
C-54	100+97.00	24.40	RT	676.64	672.64					CATCH BASINS	TY A	4'	TY 11V F&G
C-55	97+80.00	14.00	LT	677.40			673.40			CATCH BASINS	TY A	4'	TY 11V F&G
C-56	97+80.00	14.00	RT	677.40				673.40		CATCH BASINS	TY A	4'	TY 11V F&G
C-57	98+50.00	15.90	LT	676.42			672.42			CATCH BASINS	TY A	4'	TY 11V F&G
C-58	98+50.00	14.00	RT	676.46				672.46		CATCH BASINS	TY A	4'	TY 11V F&G
C-59	107+75.00	12.00	LT	674.96			670.83	670.27 SW		CATCH BASINS	TY A	4'	TY 11V F&G
C-60	108+47.55	21.00	RT	674.33	670.30			670.30		CATCH BASINS	TY A	4'	TY 11V F&G
C-61	108+47.55	12.00	LT	674.51	670.40 NW		670.40			CATCH BASINS	TY A	4'	TY 11V F&G
C-62	99+59.53	14.00	RT	675.75		671.65		671.65		CATCH BASINS	TY A	4'	TY 11V F&G
C-63	99+49.53	14.00	RT	675.75	671.75					CATCH BASINS	TY A	4'	TY 11V F&G
C-64	99+59.53	14.00	LT	675.75		671.65	671.65			CATCH BASINS	TY A	4'	TY 11V F&G
C-65	99+49.53	14.00	LT	675.75	671.95					CATCH BASINS	TY A	4'	TY 11V F&G

STR. ID	STATION	OFFSET		RIM EL	INVERT NORTH	INVERT SOUTH	INVERT EAST	INVERT WEST	INVERT	DRAINAGE STRUCTURE	TYPE	DIA.	LID TYPE
C-66	104+00.00	21.00	RT	677.24				673.24		CATCH BASINS	TY A	4'	TY 11V F&G
C-67	104+03.00	21.00	LT	677.46			673.46			CATCH BASINS	TY A	4'	TY 11V F&G
C-68	107+20.00	21.00	RT	675.33		671.41		671.41		CATCH BASINS	TY A	4'	TY 11V F&G
C-69	107+12.00	21.00	RT	675.49	671.49					CATCH BASINS	TY A	4'	TY 11V F&G
C-70	107+10.00	21.00	LT	675.41	671.41					CATCH BASINS	TY A	4'	TY 11V F&G
C-71	107+20.00	21.00	LT	675.36		671.33	671.33			CATCH BASINS	TY A	4'	TY 11V F&G
C-72	110+08.00	21.00	RT	674.85		670.71		670.71		CATCH BASINS	TY A	4'	TY 11V F&G
C-73	110+00.00	21.00	RT	674.79	670.79					CATCH BASINS	TY A	4'	TY 11V F&G
C-74	110+08.00	21.00	LT	674.85		670.71	670.71			CATCH BASINS	TY A	4'	TY 11V F&G
C-75	110+00.00	21.00	LT	674.79	670.79					CATCH BASINS	TY A	4'	TY 11V F&G
C-76	111+80.00	18.40	RT	675.02				671.02		CATCH BASINS	TY A	4'	TY 11V F&G
C-77	111+80.00	12.00	LT	675.15			671.15			CATCH BASINS	TY A	4'	TY 11V F&G
C-79	78+79.00	14.00	LT	677.09	673.39					CATCH BASINS	TY A	4'	TY 11V F&G
C-80	78+79.00	14.00	RT	677.09	673.32					CATCH BASINS	TY A	4'	TY 11V F&G
C-81	80+20.00	14.00	LT	678.90			674.90			CATCH BASINS	TY A	4'	TY 11V F&G
C-82	80+20.00	14.00	RT	678.90			674.90	674.90		CATCH BASINS	TY A	4'	TY 11V F&G
C-83	81+40.00	14.00	LT	681.26			677.26			CATCH BASINS	TY A	4'	TY 11V F&G
C-84	81+40.00	14.00	RT	681.26				677.26		CATCH BASINS	TY A	4'	TY 11V F&G
C-85	84+60.00	14.00	LT	682.70			678.70			CATCH BASINS	TY A	4'	TY 11V F&G
C-86	84+60.00	14.00	RT	682.70				678.70		CATCH BASINS	TY A	4'	TY 11V F&G
C-87	85+55.00	14.00	LT	682.58		678.24	678.24			CATCH BASINS	TY A	4'	TY 11V F&G
C-88	85+55.00	14.00	RT	682.55		678.24	678.24			CATCH BASINS	TY A	4'	TY 11V F&G
C-89	87+29.60	15.00	LT	682.53	678.53					CATCH BASINS	TY A	4'	TY 11V F&G
C-90	87+29.60	15.00	RT	682.53	678.53					CATCH BASINS	TY A	4'	TY 11V F&G
C-91	87+70.00	14.00	LT	682.64		678.64				CATCH BASINS	TY A	4'	TY 11V F&G
C-92	87+70.00	14.00	RT	682.64		678.64				CATCH BASINS	TY A	4'	TY 11V F&G
C-93	88+60.00	14.00	LT	683.34			679.34			CATCH BASINS	TY A	4'	TY 11V F&G
C-94	88+60.00	14.00	RT	683.34				679.34		CATCH BASINS	TY A	4'	TY 11V F&G
C-95	91+20.00	14.00	LT	683.04			679.39			CATCH BASINS	TY A	4'	TY 11V F&G
C-96	91+20.00	14.00	RT	683.04				679.39		CATCH BASINS	TY A	4'	TY 11V F&G
C-97	91+95.00	14.00	LT	682.40			678.40			CATCH BASINS	TY A	4'	TY 11V F&G
C-98	91+95.00	14.00	RT	682.40				678.40		CATCH BASINS	TY A	4'	TY 11V F&G
C-99	93+50.00	14.00	LT	681.50			678.00			CATCH BASINS	TY A	4'	TY 11V F&G
C-100	93+50.00	14.00	RT	681.50				678.00		CATCH BASINS	TY A	4'	TY 11V F&G
C-101	94+70.00	14.00	LT	681.13			677.27			CATCH BASINS	TY A	4'	TY 11V F&G
C-102	94+75.00	14.00	RT	681.10		677.23 SW				CATCH BASINS	TY A	4'	TY 11V F&G
C-103	97+00.00	14.00	LT	678.49			674.49			CATCH BASINS	TY A	4'	TY 11V F&G
C-104	97+00.00	14.00	RT	678.49				674.49		CATCH BASINS	TY A	4'	TY 11V F&G
C-105	67+60.00	14.00	LT	682.21	677.89		677.89			CATCH BASINS	TY A	4'	TY 11V F&G
C-106	67+60.00	14.00	RT	682.21	677.89			677.89		CATCH BASINS	TY A	4'	TY 11V F&G
C-107	68+06.00	14.00	LT	682.24			678.24			CATCH BASINS	TY A	4'	TY 11V F&G
C-108	68+06.00	14.00	RT	682.24				678.24		CATCH BASINS	TY A	4'	TY 11V F&G
C-109	69+90.00	14.00	LT	682.24			678.24			CATCH BASINS	TY A	4'	TY 11V F&G
C-110	69+90.00	14.00	RT	682.24				678.24		CATCH BASINS	TY A	4'	TY 11V F&G
C-111	70+50.00	14.00	LT	681.99			677.99			CATCH BASINS	TY A	4'	TY 11V F&G
C-112	70+50.00	14.00	RT	681.99				677.99		CATCH BASINS	TY A	4'	TY 11V F&G
C-113	71+16.00	14.00	LT	681.87		677.87				CATCH BASINS	TY A	4'	TY 11V F&G
C-114	71+16.00	14.00	RT	681.87		677.87				CATCH BASINS	TY A	4'	TY 11V F&G
C-115	73+15.00	14.00	LT	681.71			677.71			CATCH BASINS	TY A	4'	TY 11V F&G
C-116	73+15.00	14.00	RT	681.71				677.71		CATCH BASINS	TY A	4'	TY 11V F&G
C-117	74+82.83	14.00	LT	681.02		676.83	676.83			CATCH BASINS	TY A	4'	TY 11V F&G
C-118	74+82.83	14.00	RT	681.02		676.92		676.92		CATCH BASINS	TY A	4'	TY 11V F&G
C-119	74+62.83	14.00	LT	681.03	677.03					CATCH BASINS	TY A	4'	TY 11V F&G
C-120	74+72.83	14.00	RT	681.02	677.02					CATCH BASINS	TY A	4'	TY 11V F&G
C-121	75+15.00	14.00	LT	681.06			677.06			CATCH BASINS	TY A	4'	TY 11V F&G
C-122	75+15.00	14.00	RT	681.06				677.06		CATCH BASINS	TY A	4'	TY 11V F&G
C-123	76+50.79	31.35	LT	680.34	676.34 NE					CATCH BASINS	TY A	4'	TY 11V F&G
C-124	76+79.09	30.68	LT	680.38		676.38 SE				CATCH BASINS	TY A	4'	TY 11V F&G
C-126	65+30.00	17.00	LT	681.51			677.51			CATCH BASINS	TY A	4'	TY 11V F&G
C-127	65+30.00	16.59	RT	681.89			677.89	677.89		CATCH BASINS	TY A	4'	TY 11V F&G
C-200	112+42.87	13.07	LT	674.97	670.86	670.86				CATCH BASINS	TY A	4'	TY 11V F&G
C-201	112+29.87	12.30	LT	674.99	670.99					CATCH BASINS	TY A	4'	TY 11V F&G
C-202	112+42.87	22.15	RT	674.79	670.70	670.70				CATCH BASINS	TY A	4'	TY 11V F&G
C-203	112+32.87	21.55	RT	674.80	670.80					CATCH BASINS	TY A	4'	TY 11V F&G

STR. ID	STATION	OFFSET		RIM EL	INVERT NORTH	INVERT SOUTH	INVERT EAST	INVERT WEST	INVERT	DRAINAGE STRUCTURE	TYPE	DIA.	LID TYPE
C-204	114+49.60	25.00	LT	674.72		670.62	670.62			CATCH BASINS	TY A	4'	TY 11V F&G
C-205	114+39.60	24.89	LT	674.72	670.72					CATCH BASINS	TY A	4'	TY 11V F&G
C-206	114+49.60	28.00	RT	674.66		670.55		670.55		CATCH BASINS	TY A	4'	TY 11V F&G
C-207	114+39.60	28.00	RT	674.65	670.65					CATCH BASINS	TY A	4'	TY 11V F&G
C-208	112+85.00	24.65	RT	674.81		670.28		670.28		CATCH BASINS	TY A	4'	TY 11V F&G
C-209	112+85.00	15.60	LT	674.99		670.44	670.44			CATCH BASINS	TY A	4'	TY 11V F&G
J-1	85+55.00	6.00	RT	682.74	677.61	677.61	678.18	678.06		MANHOLES	TY A	5'	TY 1 F CL
J-2	87+39.60	6.00	RT	682.70	673.98	676.89	678.28	678.16		MANHOLES	TY A	5'	TY 1 F CL
J-3	83+95.00	6.00	RT	683.12	678.22		678.90	678.78		MANHOLES	TY A	4'	TY 1 F CL
J-4	92+75.00	6.00	RT	682.61	674.62	672.90	678.39	678.27		MANHOLES	TY A	5'	TY 1 F CL
J-5	95+90.00	6.00	RT	680.14	675.29	675.29	675.92	675.80		MANHOLES	TY A	4'	TY 1 F CL
J-6	99+00.00	7.00	RT	676.06	671.40	671.65	671.87	671.43		MANHOLES	TY A	5'	TY 1 F CL
J-8	84+60.00	6.00	RT	682.86	677.98	677.98	678.64	678.52		MANHOLES	TY A	5'	TY 1 F CL
J-9	65+30.00	7.00	RT	681.88	670.36	670.36	677.81	677.29		MANHOLES	TY A	4'	TY 1 F CL
J-10	73+85.00	7.00	RT	681.49	672.59	672.59	677.30	677.16		MANHOLES	TY A	5'	TY 1 F CL
J-12	88+60.00	6.00	RT	683.50	673.56	673.56	679.28	679.16		MANHOLES	TY A	4'	TY 1 F CL
J-13	78+89.46	7.00	RT	677.22	673.17	673.17	673.17	673.17		MANHOLES	TY A	4'	TY 1 F CL
J-14	76+57.00	7.00	RT	680.86		673.17	675.98 SE	673.17	675.82 SW	MANHOLES	TY A	5'	TY 1 F CL
J-15	106+30.00	1.83	RT	676.10	668.66	668.66	671.14	671.36		MANHOLES	TY A	5'	TY 1 F CL
J-16	104+80.00	1.78	RT	676.69	668.80	668.80	672.17 SE	672.18		MANHOLES	TY A	5'	TY 1 F CL
J-17	102+70.00	1.70	RT	679.43	669.33	669.33		674.44		MANHOLES	TY A	5'	TY 1 F CL
J-18	101+29.00	1.65	RT	678.31	669.68	669.68	672.17	671.90		MANHOLES	TY A	6'	TY 1 F CL
J-20	109+68.00	2.00	RT	675.05	665.93	665.93	670.11	670.08		MANHOLES	TY A	6'	TY 1 F CL
J-21	110+80.00	2.00	RT	675.45	665.84	665.84	670.59 SE	670.55 SW		MANHOLES	TY A	6'	TY 1 F CL
J-22	113+87.00	2.00	RT	675.26	665.54	665.60	670.51	670.65		MANHOLES	TY A	6'	TY 1 F CL
J-23	98+50.00	7.00	RT	676.60	671.84	672.09	672.41	672.21		MANHOLES	TY A	4'	TY 1 F CL
J-24	116+55.00	2.00	RT	674.22	665.34 NE	665.54	669.37	669.66 SW		MANHOLES	TY A	6'	TY 1 F CL
J-25	107+75.00	1.89	RT	675.14	668.52	668.52		670.75		MANHOLES	TY A	6'	TY 1 F CL
J-26	99+59.53	7.00	RT	675.89	670.02	671.10	671.60	671.46		MANHOLES	TY A	4'	TY 1 F CL
J-27	80+20.00	7.00	RT	679.04	674.45	674.45	674.85	674.71		MANHOLES	TY A	4'	TY 1 F CL
J-28	81+40.00	7.00	RT	681.40		675.62	677.21	677.07		MANHOLES	TY A	4'	TY 1 F CL
J-29	97+80.00	7.00	RT	677.54	672.35		673.35	673.21		MANHOLES	TY A	4'	TY 1 F CL
J-30	107+20.00	1.87	RT	675.70	668.58	668.58	671.24	671.07		MANHOLES	TY A	5'	TY 1 F CL
J-31	108+47.55	1.91	RT	674.72	666.04	668.46	670.13	670.22		MANHOLES	TY A	6'	TY 1 F CL
J-32	110+08.00	2.00	RT	675.23	665.89	665.89	670.55	670.51		MANHOLES	TY A	6'	TY 1 F CL
J-33	111+80.00	2.00	RT	675.35	665.76	665.76	670.88	671.04		MANHOLES	TY A	6'	TY 1 F CL
J-34	112+88.00	2.00	RT	675.27	665.68	665.68	670.05	670.26		MANHOLES	TY A	6'	TY 1 F CL
J-35	114+49.60	2.00	RT	675.18	665.54	665.54	670.32	670.38		MANHOLES	TY A	6'	TY 1 F CL
J-37	104+00.00	1.75	RT	677.81	669.00	669.00	673.07	673.25		MANHOLES	TY A	6'	TY 1 F CL
J-38	101+13.11	31.82	LT	677.07	672.79	672.47	672.27	672.87		MANHOLES	TY A	5'	TY 1 F CL
J-40	91+95.00	6.00	RT	682.56	672.73	672.74	678.34	678.22		MANHOLES	TY A	4'	TY 1 F CL
J-41	93+50.00	6.00	RT	681.66	674.78	674.78	677.94	677.82		MANHOLES	TY A	4'	TY 1 F CL
J-42	94+70.00	6.00	RT	681.29	675.04	675.04	677.15	677.09		MANHOLES	TY A	4'	TY 1 F CL
J-43	97+00.00	6.00	RT	678.65		675.53	675.53	675.53		MANHOLES	TY A	4'	TY 1 F CL
J-44	67+60.00	7.00	RT	682.35	670.72	670.72	677.84	677.70		MANHOLES	TY A	4'	TY 1 F CL
J-45	68+06.00	7.00	RT	682.38	670.79	670.79	678.19	678.05		MANHOLES	TY A	4'	TY 1 F CL
J-46	69+90.00	7.00	RT	682.38	671.08	671.08	678.19	678.05		MANHOLES	TY A	4'	TY 1 F CL
J-47	70+50.00	7.00	RT	682.13	671.18	671.18	677.94	677.80		MANHOLES	TY A	4'	TY 1 F CL
J-48	74+82.83	7.00	RT	681.16	672.80	672.80	676.87	676.64		MANHOLES	TY A	4'	TY 1 F CL
J-49	73+15.00	7.00	RT	681.85	672.48	672.48	677.66	677.52		MANHOLES	TY A	4'	TY 1 F CL
J-50	71+06.84	7.00	RT	682.01	672.13	671.27	677.73	677.59		MANHOLES	TY A	5'	TY 1 F CL
J-52	66+15.00	7.00	RT	682.38	670.49	670.49	678.19	678.05		MANHOLES	TY A	5'	TY 1 F CL
J-53	76+93.50	7.00	RT	680.29	672.21	672.21 SE				MANHOLES	TY A	4'	TY 1 F CL
J-54	75+15.00	7.00	RT	681.20	672.86	672.86	677.01	676.87		MANHOLES	TY A	4'	TY 1 F CL
J-55	91+20.00	6.00	RT	683.20	672.59	672.59	679.21	679.33		MANHOLES	TY A	5'	TY 1 F CL
J-56	63+87.47	7.00	RT	680.82	670.11	670.11 SW				MANHOLES	TY A	4'	TY 1 F CL
J-57	63+35.00	10.00	LT	679.79	670.01 NE	670.01				MANHOLES	TY A	4'	TY 1 F CL
J-58	76+56.10	25.09	LT	680.51	676.16	676.27 SW	673.21	673.21		MANHOLES	TY A	4'	TY 1 F CL
O-5	76+76.04	10.55	RT	680.47						MANHOLES	TY A	6'	TY 1 F CL

WASHINGTON STREET

STR. ID	STATION	OFFSET		RIM EL	INVERT NORTH	INVERT SOUTH	INVERT EAST	INVERT WEST	INVERT	DRAINAGE STRUCTURE	TYPE	DIA.	LID TYPE
C-53	76+68.20	327.22	LT	677.31	673.81	673.81 SE				CATCH BASINS	TY A	4'	TY 11V F&G
C-125	76+40.74	326.07	LT	677.26	673.76 NE					CATCH BASINS	TY A	4'	TY 11V F&G
J-51	76+47.82	312.08	LT	677.68	673.58 NW	673.62 SW	673.58			MANHOLES	TY A	5'	TY 1 F CL

Stanley Consultants INC.
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(773) 693-2824

FILE NAME = 056_650drsch2.dgn	USER NAME = $USER$	DESIGNED - J.G.	REVISED -
		DRAWN - E.D.	REVISED -
	PLOT SCALE = 1:1	CHECKED -	REVISED -
	PLOT DATE = 6/15/2010	DATE - 9/23/2009	REVISED -

VILLAGE OF VILLA PARK, ILLINOIS

DRAINAGE STRUCTURE SCHEDULE

SCALE: NO SCALE | SHEET NO. 1 OF 2 SHEETS | STA. 63+19.78 TO STA. 116+71.35

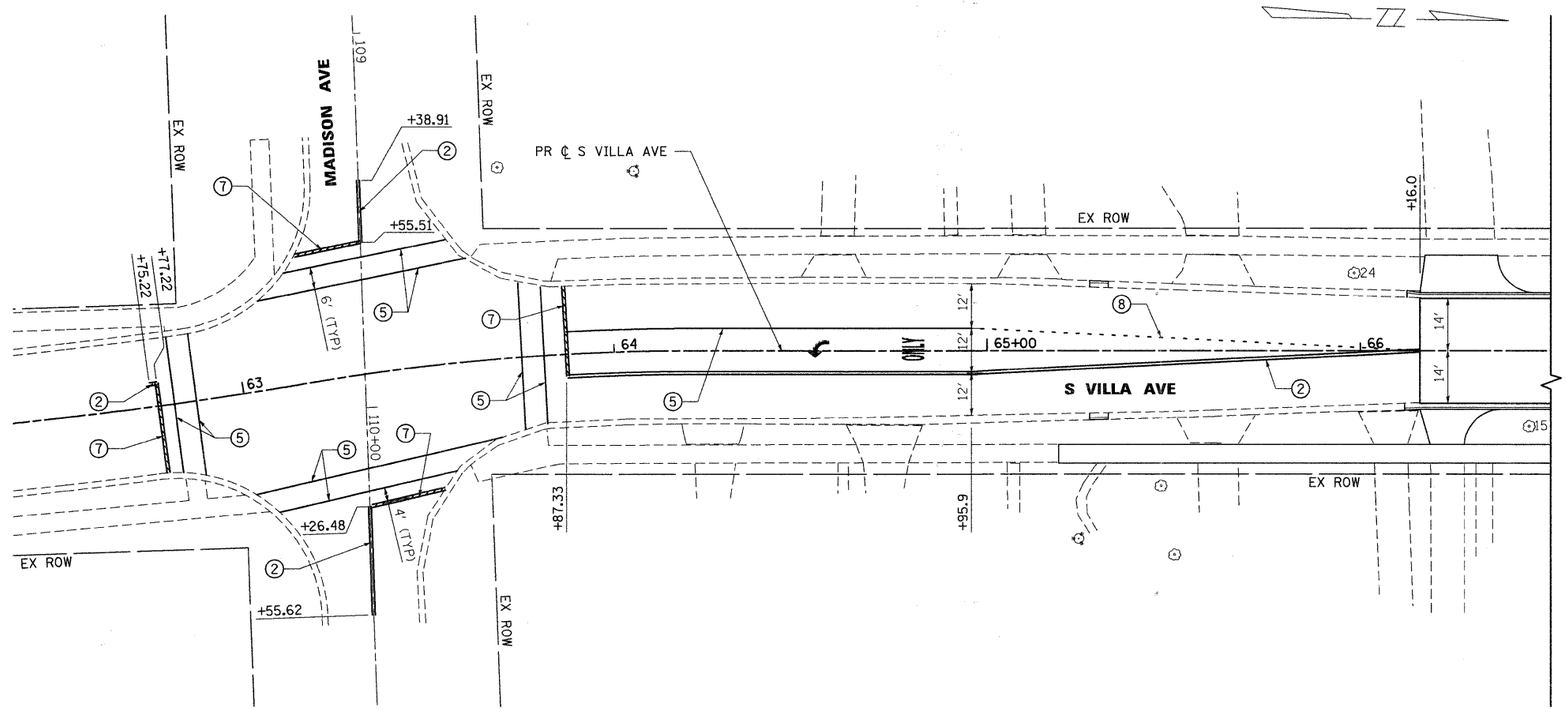
F.A. U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2652	00-00070-00-PV	DuPAGE	160	56

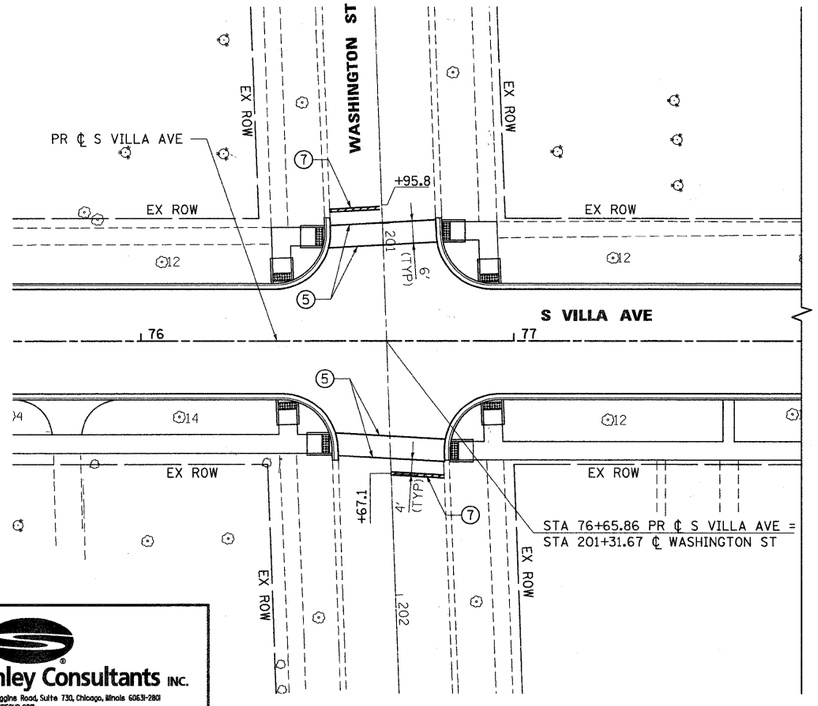
CONTRACT NO. 63379

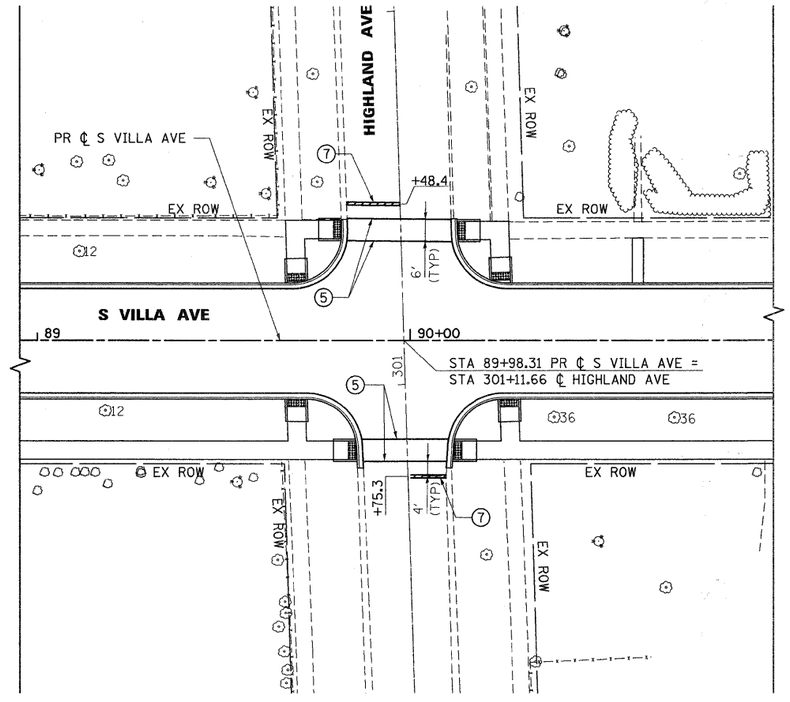
FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT

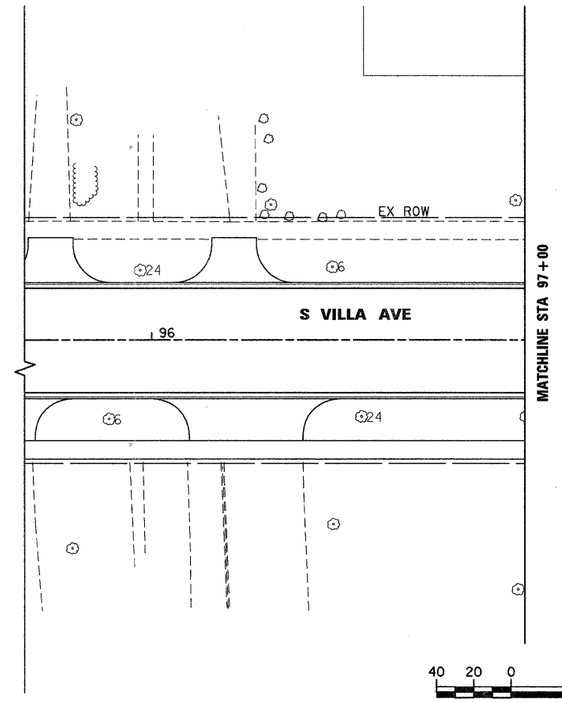
LEGEND:

1. POLYUREA PAVEMENT MARKING TYPE I - LETTERS AND SYMBOLS
2. POLYUREA PAVEMENT MARKING TYPE I - LINE 4" (DOUBLE YELLOW @ 11" C-C)
3. POLYUREA PAVEMENT MARKING TYPE I - LINE 4" (WHITE)
4. POLYUREA PAVEMENT MARKING TYPE I - LINE 4" (WHITE, 10' DASH, 30' SKIP)
5. POLYUREA PAVEMENT MARKING TYPE I - LINE 6" (WHITE)
6. POLYUREA PAVEMENT MARKING TYPE I - LINE 12" (YELLOW)
7. POLYUREA PAVEMENT MARKING TYPE I - LINE 24" (WHITE)
8. POLYUREA PAVEMENT MARKING TYPE I - LINE 6" (WHITE, 2' DASH, 6' SKIP)
9. POLYUREA PAVEMENT MARKING TYPE I - LINE 12" (WHITE)









40 20 0 20 40

SCALE: 1"= 20'-0"

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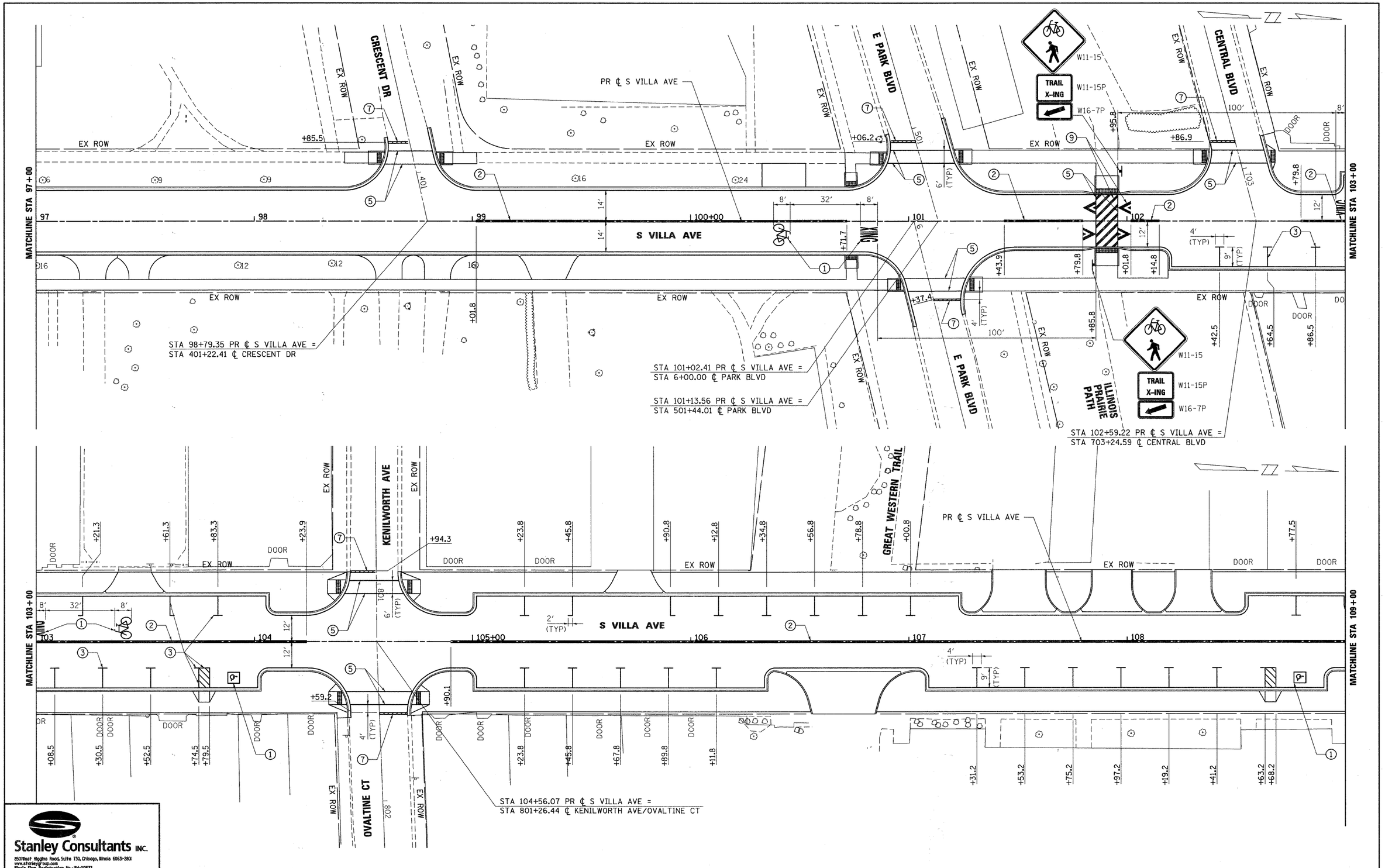
FILE NAME = 057_650pm01.dgn	USER NAME = $USER$	DESIGNED - J.C.	REVISED -	VILLAGE OF VILLA PARK, ILLINOIS	PAVEMENT MARKING PLAN	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - E.D.	REVISED -			2652	00-00070-00-PV	DuPAGE	160	57
	PLOT SCALE = 1:20	CHECKED -	REVISED -					CONTRACT NO. 63379		
	PLOT DATE = 6/15/2010	DATE - 9/23/2009	REVISED -		SCALE: 1"=20' SHEET NO. 1 OF 4 SHEETS STA. 63+19.78 TO STA. 116+71.35	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



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		DRAWN - E.D.	REVISED -
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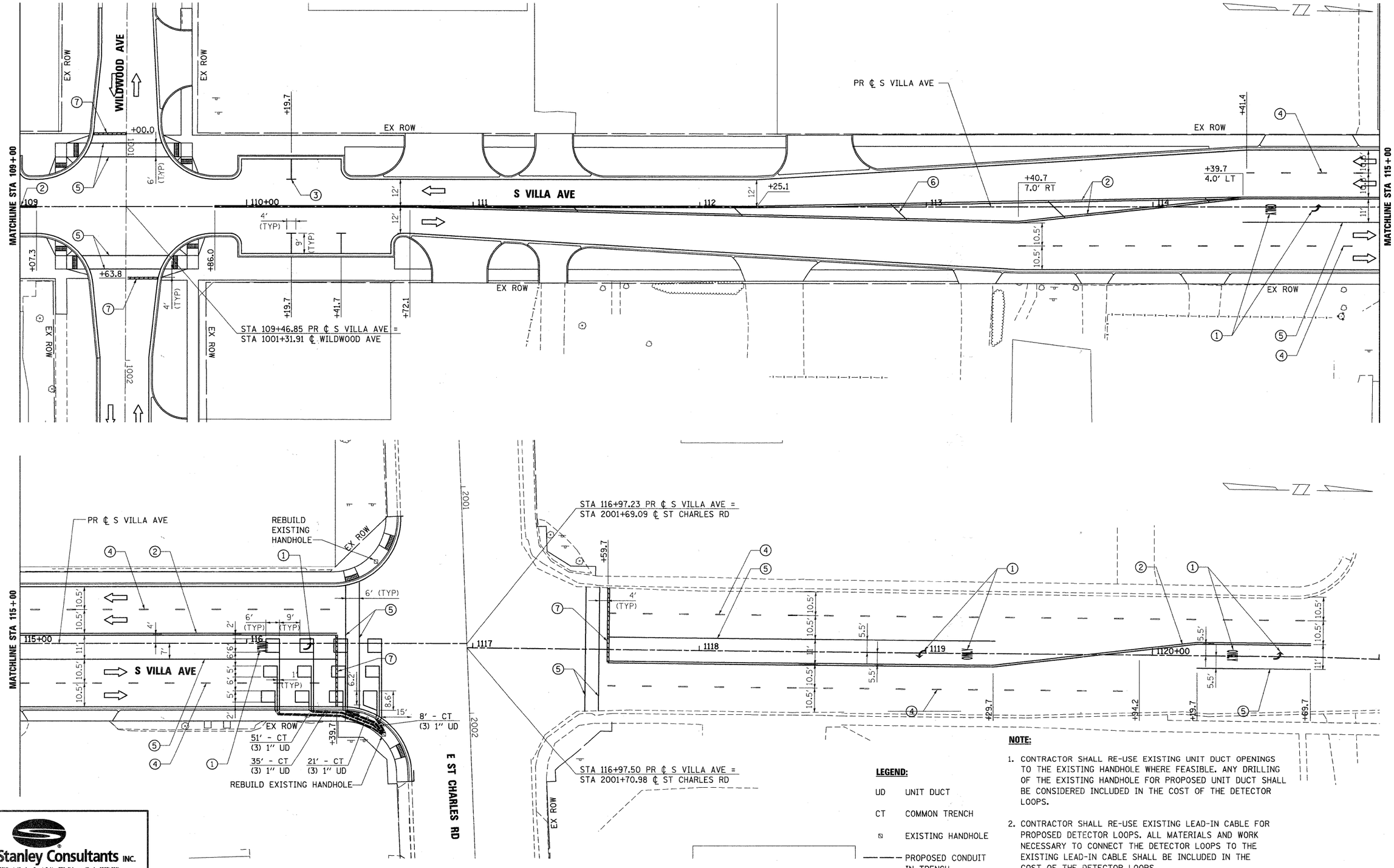
	PLOT DATE = 6/15/2010	DATE - 9/23/2009	REVISED -

VILLAGE OF VILLA PARK, ILLINOIS

PAVEMENT MARKING PLAN

SCALE: 1"=20' | SHEET NO. 2 OF 4 SHEETS | STA. 63+19.78 TO STA. 116+71.35

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2652	00-00070-00-PV	DuPAGE	160	58
		CONTRACT NO. 63379		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



LEGEND:

UD	UNIT DUCT
CT	COMMON TRENCH
⊠	EXISTING HANDHOLE
———	PROPOSED CONDUIT IN TRENCH

NOTE:

1. CONTRACTOR SHALL RE-USE EXISTING UNIT DUCT OPENINGS TO THE EXISTING HANDHOLE WHERE FEASIBLE. ANY DRILLING OF THE EXISTING HANDHOLE FOR PROPOSED UNIT DUCT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE DETECTOR LOOPS.
2. CONTRACTOR SHALL RE-USE EXISTING LEAD-IN CABLE FOR PROPOSED DETECTOR LOOPS. ALL MATERIALS AND WORK NECESSARY TO CONNECT THE DETECTOR LOOPS TO THE EXISTING LEAD-IN CABLE SHALL BE INCLUDED IN THE COST OF THE DETECTOR LOOPS.

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FILE NAME = 059_650pm03.dgn	USER NAME = $USER$	DESIGNED - J.G.	REVISED -
		DRAWN - E.D.	REVISED -
	PLOT SCALE = 1:20	CHECKED -	REVISED -
	PLOT DATE = 6/15/2010	DATE - 9/23/2009	REVISED -

VILLAGE OF VILLA PARK, ILLINOIS

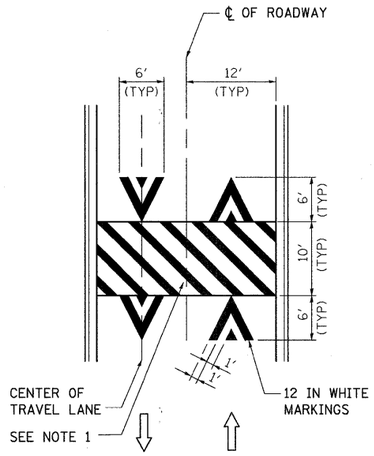
PAVEMENT MARKING PLAN

SCALE: 1"=20' | SHEET NO. 3 OF 4 SHEETS | STA. 63+19.78 TO STA. 116+71.35

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2652	00-00070-00-PV	DuPAGE	160	59

CONTRACT NO. 63379

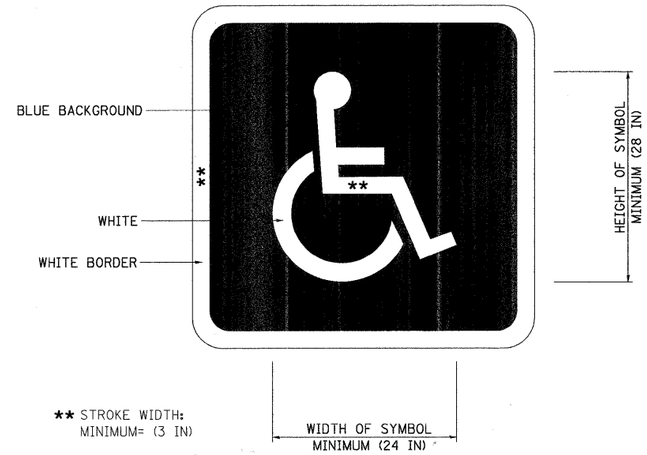
FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT



NOTES:

1. SEE BICYCLE CROSSWALK MARKING DETAIL ON DISTRICT ONE TYPICAL PAVEMENT MARKINGS (TC-13) FOR ADDITIONAL INFORMATION.

SPEED HUMP
PAVEMENT MARKING DETAIL



INTERNATIONAL SYMBOL OF ACCESSIBILITY
PARKING SPACE MARKING

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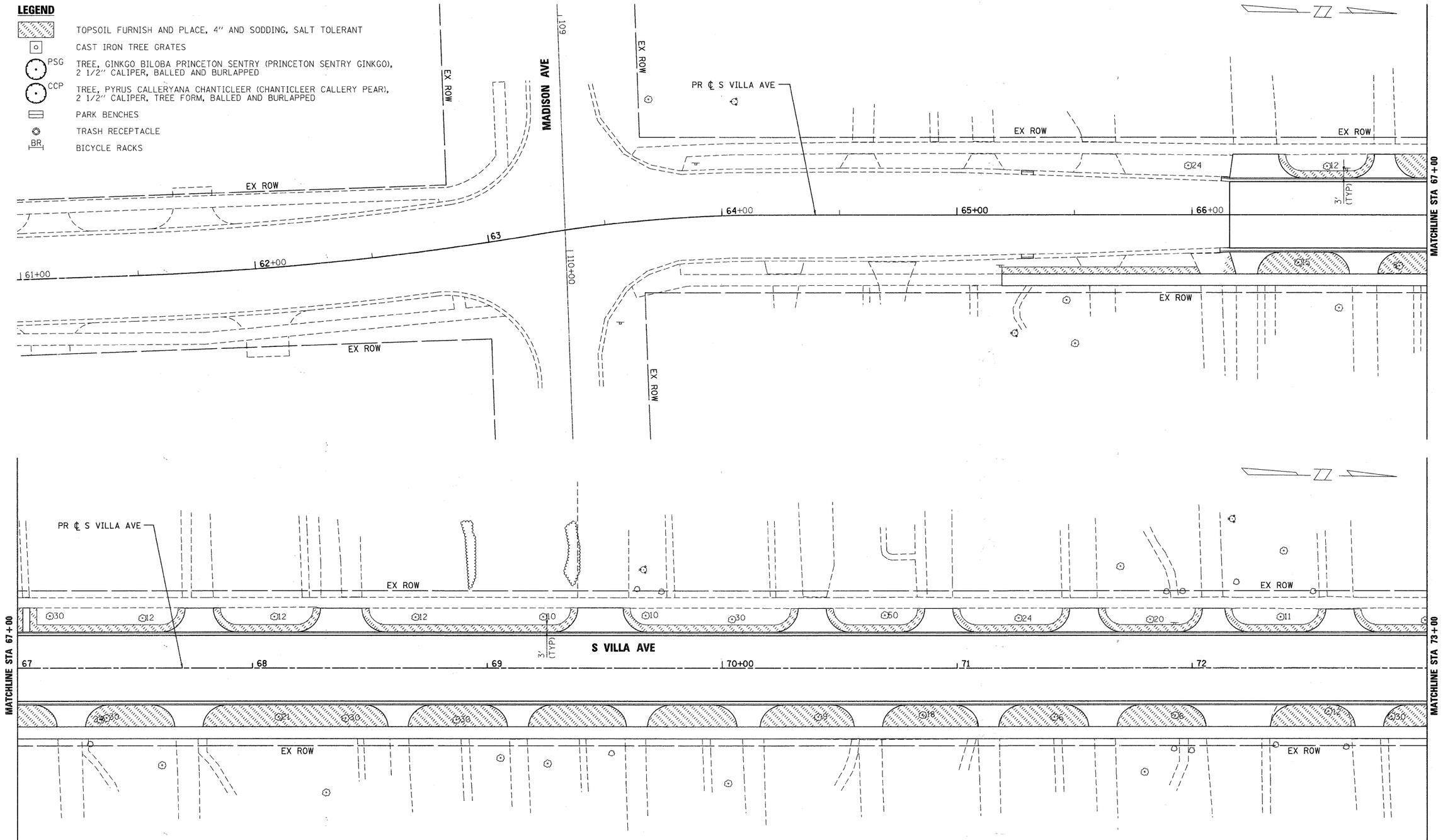
FILE NAME = 060_650pmdet.dgn	USER NAME = $USER$	DESIGNED - J.G.	REVISED -	VILLAGE OF VILLA PARK, ILLINOIS	PAVEMENT MARKING DETAILS	F.A. U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - E.D.	REVISED -			2652	00-00070-00-PV	DuPAGE	160	60
	PLOT SCALE = 1:20	CHECKED -	REVISED -					CONTRACT NO. 63379		
	PLOT DATE = 6/15/2010	DATE - 9/23/2009	REVISED -		SCALE: NO SCALE / SHEET NO. 4 OF 4 SHEETS / STA. 63+19.78 TO STA. 116+71.35	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

LEGEND

- TOPSOIL FURNISH AND PLACE, 4" AND SODDING, SALT TOLERANT
- CAST IRON TREE GRATES
- PSG — TREE, GINKGO BILOBA PRINCETON SENTRY (PRINCETON SENTRY GINKGO), 2 1/2" CALIPER, BALLED AND BURLAPPED
- CCP — TREE, PYRUS CALLERYANA CHANTICLEER (CHANTICLEER CALLERY PEAR), 2 1/2" CALIPER, TREE FORM, BALLED AND BURLAPPED
- PARK BENCHES
- TRASH RECEPTACLE
- BR — BICYCLE RACKS



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40 20 0 20 40

SCALE: 1"= 20'-0"

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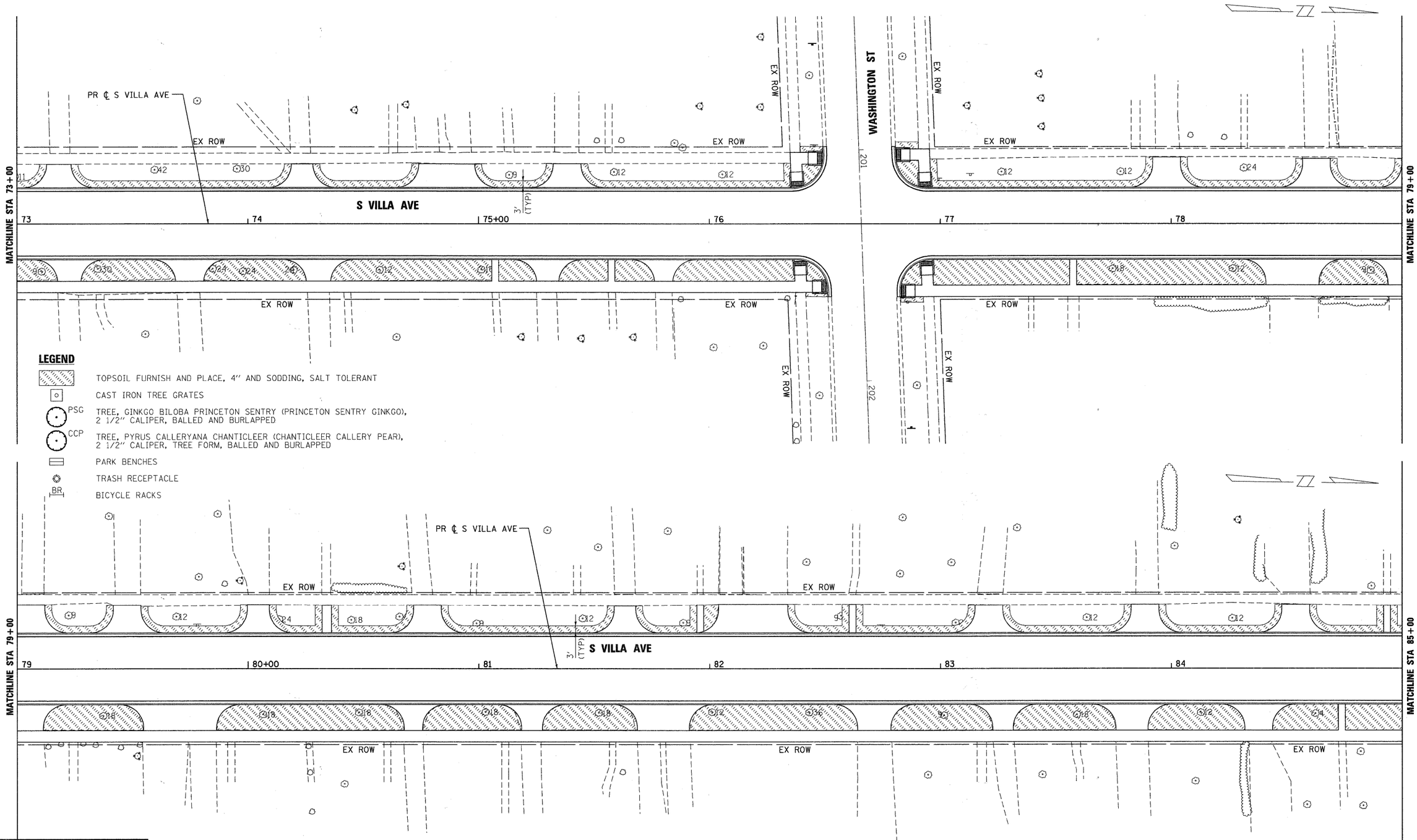
		DRAWN - E.D.	REVISED -					2652	00-00070-00-PV	DuPAGE	160 / 61
	PLOT SCALE = 1:20	CHECKED -	REVISED -							CONTRACT NO. 63379	
	PLOT DATE = 6/15/2010	DATE - 9/23/2009	REVISED -		SCALE: 1"=20'	SHEET NO. 1 OF 6 SHEETS	STA. 63+19.78 TO STA. 116+71.35	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	



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40 20 0 20 40

SCALE: 1"= 20'-0"

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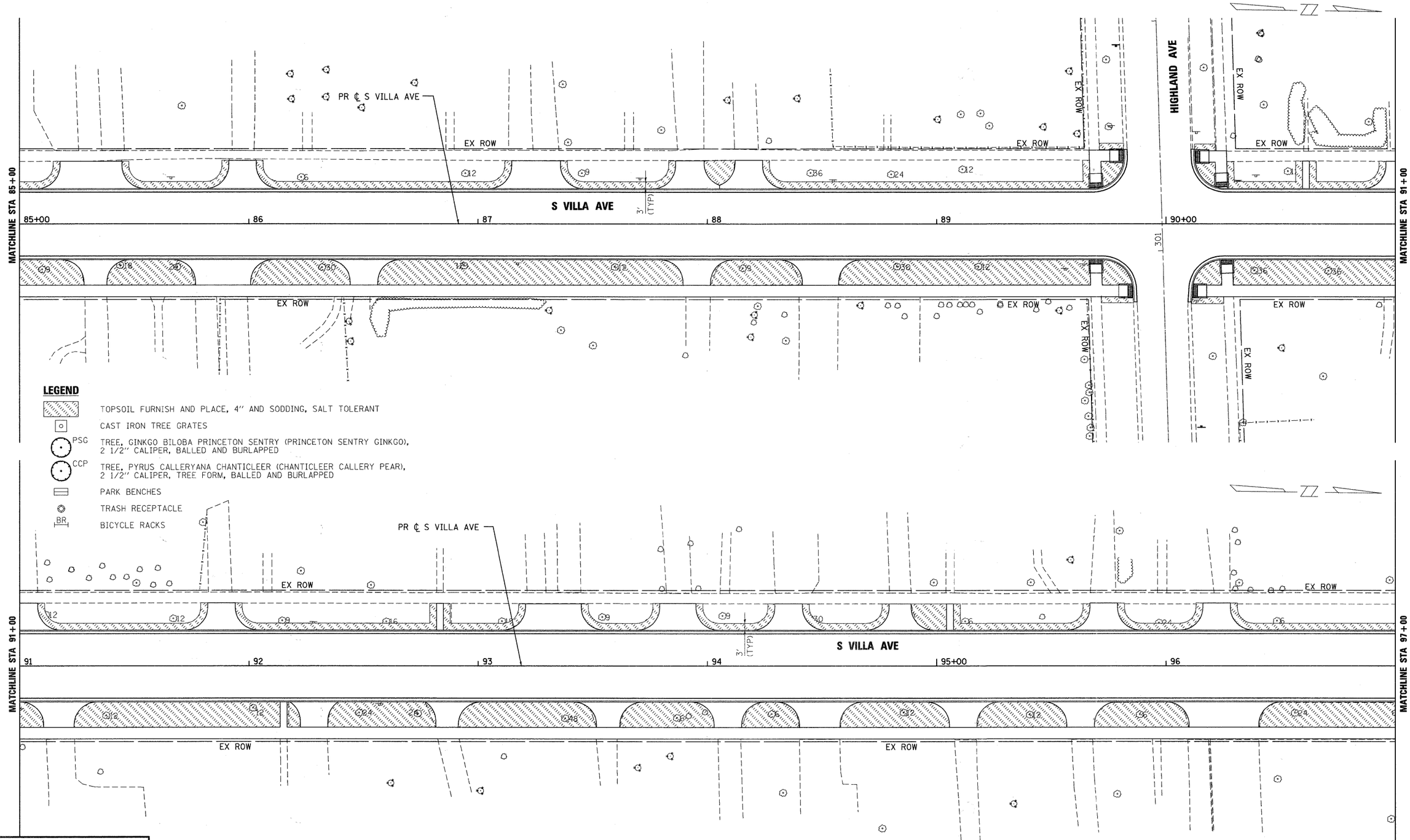

LEGEND

- TOPSOIL FURNISH AND PLACE, 4" AND SODDING, SALT TOLERANT
- CAST IRON TREE GRATES
- PSG — TREE, GINKGO BILOBA PRINCETON SENTRY (PRINCETON SENTRY GINKGO), 2 1/2" CALIPER, BALLED AND BURLAPPED
- CCP — TREE, PYRUS CALLERYANA CHANTICLEER (CHANTICLEER CALLERY PEAR), 2 1/2" CALIPER, TREE FORM, BALLED AND BURLAPPED
- PARK BENCHES
- TRASH RECEPTACLE
- BR — BICYCLE RACKS

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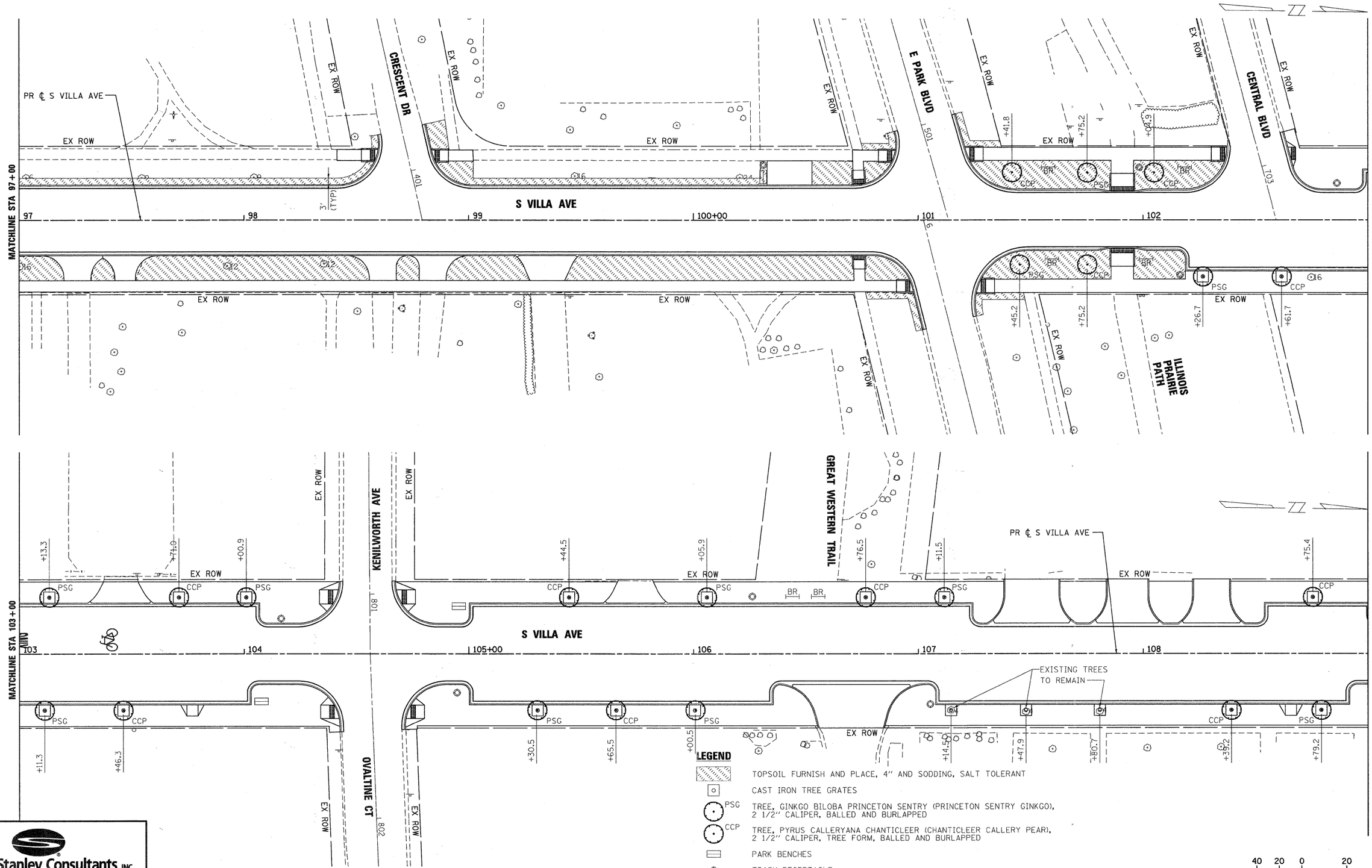

LEGEND

- TOPSOIL FURNISH AND PLACE, 4" AND SODDING, SALT TOLERANT
- CAST IRON TREE GRATES
- PSG — TREE, GINKGO BILOBA PRINCETON SENTRY (PRINCETON SENTRY GINKGO), 2 1/2" CALIPER, BALLED AND BURLAPPED
- CCP — TREE, PYRUS CALLERYANA CHANTICLEER (CHANTICLEER CALLERY PEAR), 2 1/2" CALIPER, TREE FORM, BALLED AND BURLAPPED
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- TRASH RECEPTACLE
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40 20 0 20 40

SCALE: 1"= 20'-0"

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VILLAGE OF VILLA PARK, ILLINOIS

LANDSCAPING PLAN

SCALE: 1"=20' | SHEET NO. 4 OF 6 SHEETS | STA. 63+19.78 TO STA. 116+71.35

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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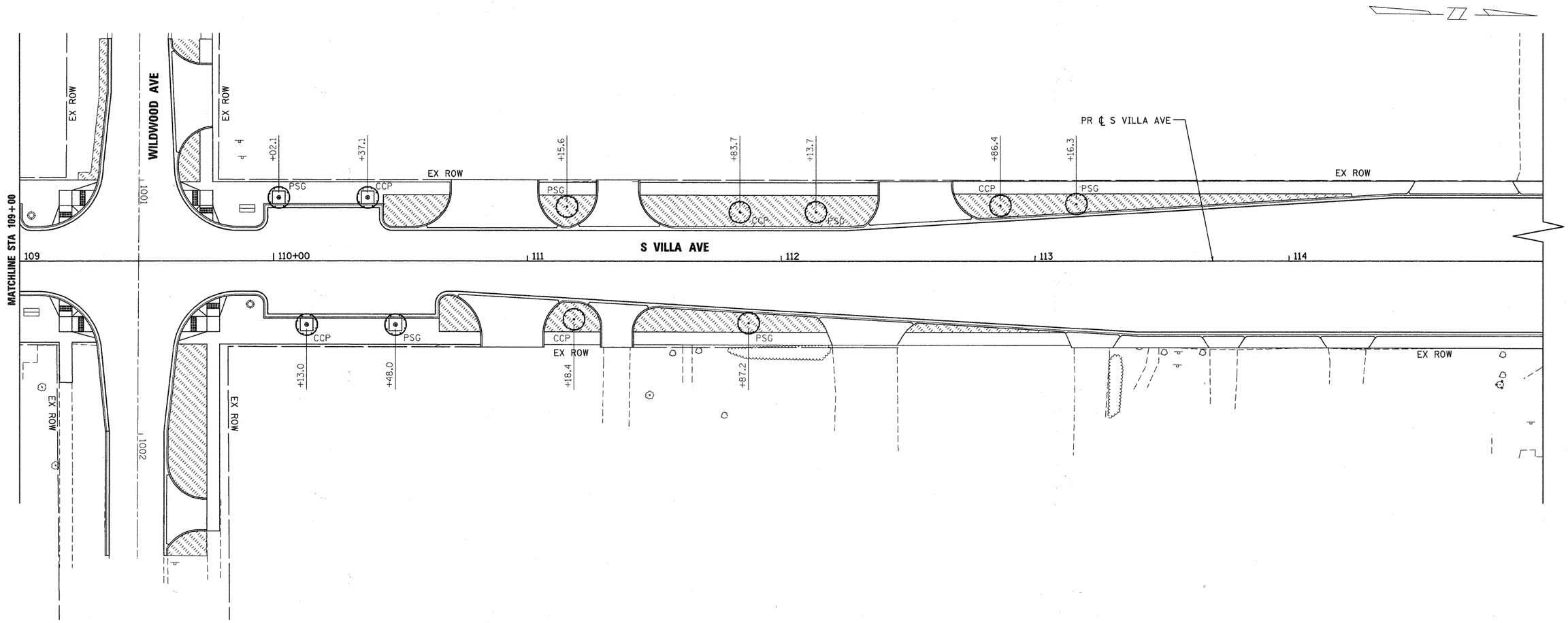
CONTRACT NO. 63379

FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT



LEGEND

- TOPSOIL FURNISH AND PLACE, 4" AND SODDING, SALT TOLERANT
- CAST IRON TREE GRATES
- PSG — TREE, GINKGO BILOBA PRINCETON SENTRY (PRINCETON SENTRY GINKGO), 2 1/2" CALIPER, BALLED AND BURLAPPED
- CCP — TREE, PYRUS CALLERYANA CHANTICLEER (CHANTICLEER CALLERY PEAR), 2 1/2" CALIPER, TREE FORM, BALLED AND BURLAPPED
- PARK BENCHES
- TRASH RECEPTACLE
- BR — BICYCLE RACKS

40 20 0 20 40

SCALE: 1"= 20'-0"

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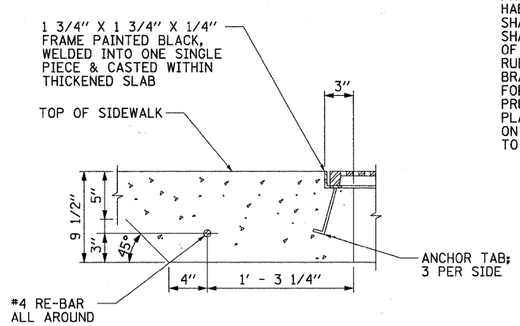
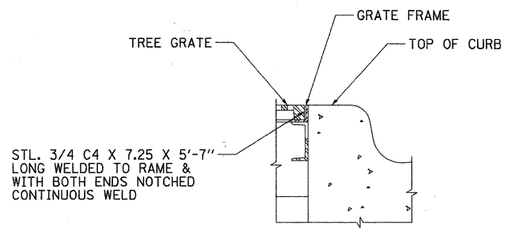


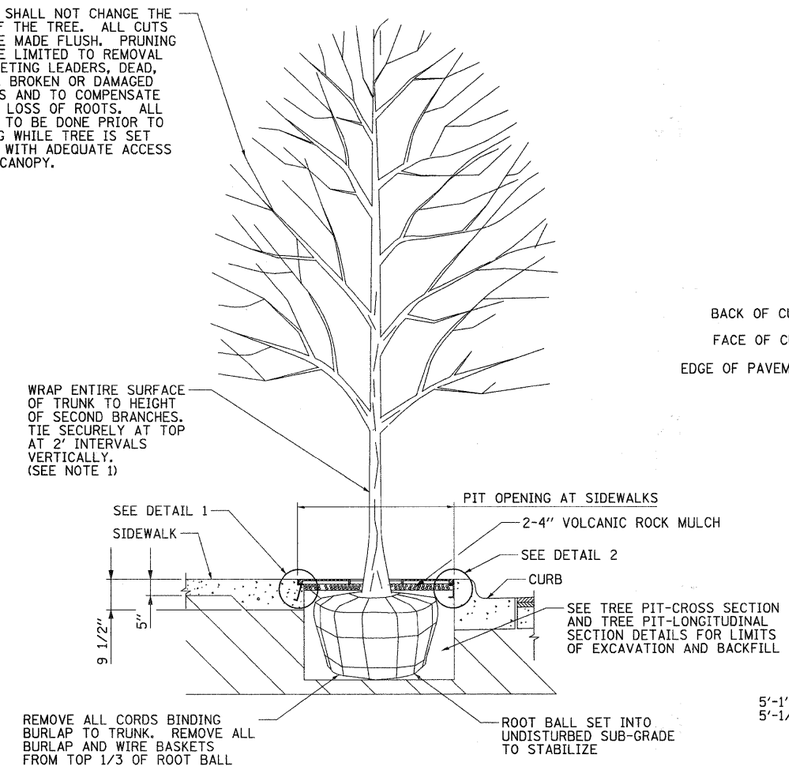
DETAIL 1: GRATE FRAME AT THICKENED SLAB

N.T.S.



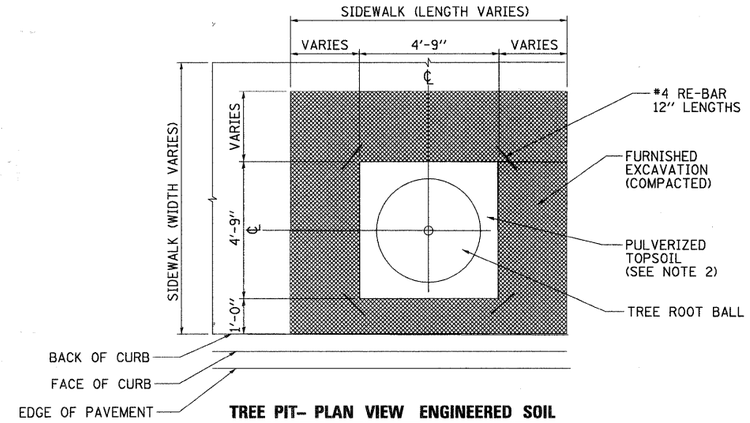
DETAIL 2: GRATE FRAME ABUTTING BACK OF CONCRETE CURB

N.T.S.



TREE PLANTING DETAIL

N.T.S.

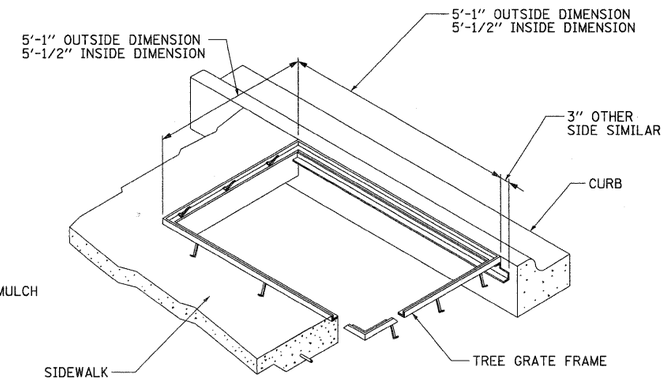


TREE PIT– PLAN VIEW ENGINEERED SOIL

N.T.S.

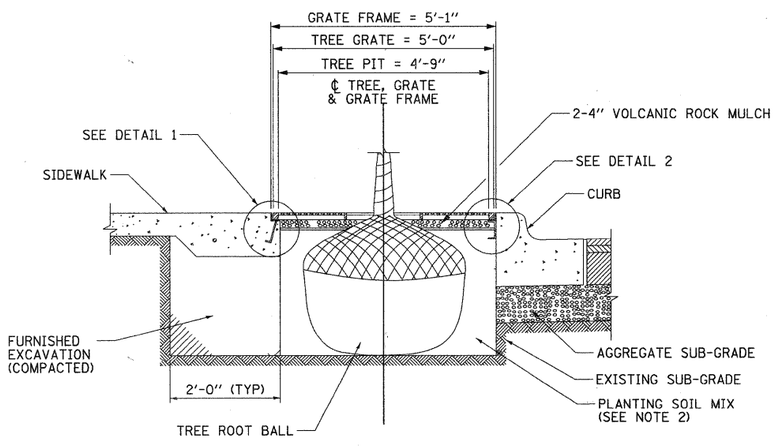
NOTES:

1. HAND EXCAVATION IS REQUIRED AT LEAST 18 INCHES ON EITHER SIDE OF A MARKED FACILITY. CONSTRCTOR/EXCAVATOR IS EXPECTED TO HONE ALL TIME/MARKING REQUIREMENTS AND DIG IN A REASONABLE AND PRUDENT MANNER, TAKING ALL REASONABLE AND RQUIRED PRECAUTIONS TO AVOID DAMAGING UNDERGOURND FACILITIES. IF DAMAGE TO AN UNDERGROUND FACILITY SHOULD OCCUR, IMMEDIATELY CONTACT THE ENGINEER AND THE OWNER OF THE DAMAGED FACILITY TO REPORT THE DAMAGE.



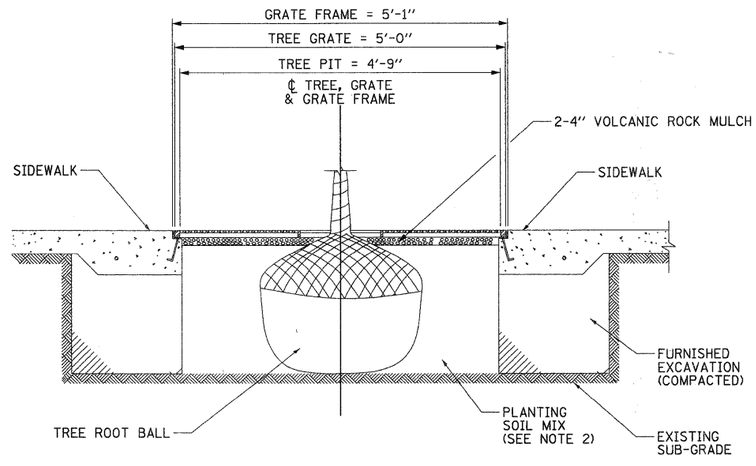
TREE GRATE FRAM INSTALLATION AT CURB

N.T.S.



TREE PIT – CROSS SECTION (WITH STEEL TREE GRATE FRAME)

N.T.S.



TREE PIT – LONGITUDINAL SECTION

N.T.S.

NOTES:

1. TREE WRAP SHOULD ONLY BE INSTALLED DURING THE FALL PLANTING SEASON ON SPECIES SUSCEPTIBLE TO FROST CRACKING OR SUN SCALD.
2. PLANTING SOIL MIX SHOULD CONSIST OF TOPSOIL, LEAF COMPOST, PERLITE, PROCESSED PINE BARK AND PEAT MOSS. NO MUSHROOM COMPOST IS TO BE USED. LIME MAY BE ADDED.

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	PLOT DATE = 6/15/2010	DATE - 9/23/2009	REVISED -		SCALE: NO SCALE	SHEET NO. 6 OF 6 SHEETS	STA. 63+19.78 TO STA. 116+71.35	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	

NOTES:

1. REMOVAL OF COMMONWEALTH EDISON CO. (COMED) LIGHT ON A POWER POLE IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE WITH THE UTILITY.

2. THE EXISTING ROADWAY LIGHTING SYSTEMS SHALL REMAIN OPERATIONAL UNTIL THE NEW LIGHTING SYSTEMS HAVE BEEN INSTALLED, ENERGIZED, ALL TESTING HAS BEEN COMPLETED AND THE SYSTEMS HAVE BEEN ACCEPTED BY THE ENGINEER AFTER WHICH THE CONTRACTOR SHALL BEGIN REMOVAL OF THE EXISTING SYSTEMS.

3. THE CONTRACTOR SHALL VERIFY ALL OF THE DATA SHOWN ON THE CONTRACT PLANS AND REFERENCE DRAWINGS WHICH WOULD AFFECT HIS WORK UNDER THIS CONTRACT, AND THE OPERATION OF THE EXISTING ROADWAY LIGHTING SYSTEMS.

4. ASCERTAIN EXISTING FIELD CONDITIONS BEFORE BIDDING ON THIS PROJECT.

5. ALL NEW CABLE DUCT, CONDUIT, JUNCTION BOXES, AND APPURTENANCES ARE ILLUSTRATED DIAGRAMATICALLY. THE ACTUAL LOCATION IN THE FIELD SHALL MEET WITH THE APPROVAL OF THE ENGINEER.

6. THE SCALE SHOWN ON THE PLANS APPLIES ONLY TO THE FULL SIZE PLANS AND NOT TO REDUCED SIZE PLANS.

7. ELECTRICAL MATERIALS SHALL BE NEW AND OF THE TYPES AND KINDS APPROVED BY THE FOLLOWING ORGANIZATIONS.

   NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
   INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS
   ILLUMINATING ENGINEERING SOCIETY
   AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS
   U.S. DEPARTMENT OF TRANSPORTATION
   UNDERWRITERS LABORATORIES
   AMERICAN NATIONAL STANDARDS INSTITUTE
   INSULATED CABLE ENGINEERS ASSOCIATION

8. CONDUIT AND CABLE DUCT SHALL BE POSITIONED IN THE FIELD TO AVOID CONFLICT WITH OTHER UTILITIES.

9. PREPARE A PRELIMINARY SCHEDULE WHEN THE CONTRACT COMMENCES WHICH ESTABLISHES THE DATE WHEN THE ELECTRICAL SERVICES WILL BE REQUIRED. THIS SCHEDULE SHALL BE FORWARDED IN WRITING TO COMED. SUBSEQUENT UPDATING OF THE SCHEDULE SHALL BE FORWARDED TO COMED AS CHANGES OCCUR IN THE DATE OF SERVICE REQUIREMENT. TWENTY DAYS BEFORE THE ELECTRICAL SERVICES ARE REQUIRED, NOTIFY COMED BY PHONE AND CONFIRM THE REQUEST IN WRITING.

10. COMPLY WITH THE LATEST EDITION OF THE FOLLOWING SPECIFICATIONS;
    a. IDOT STANDARD SPECIFICATIONS
    b. SPECIAL PROVISIONS
    c. RECURRING SPECIAL PROVISIONS
    d. IESNA
    e. IDOT BEO GENERAL ELECTRICAL REQUIREMENTS
    f. NEC
    g. MUNICIPAL CODES AND STANDARDS
    h. ALL OTHER APPLICABLE CODES

11. CONTRACTOR SHALL REMOVE CABLE FROM THE EXISTING LIGHT POLE BEING REMOVED TO THE NEXT LIGHT ON THAT CIRCUIT. DUCT SHALL BE CUT TO 1 FOOT BELOW GRADE, CAPPED, AND ABANDONED. THIS WORK SHALL BE INCLUDED IN THE COST PAID FOR "REMOVAL OF EXISTING LIGHTING UNIT, NO SALVAGE". SEPARATE PAYMENT WILL NOT BE MADE.

12. WHERE MULTIPLE CABLE DUCTS OR CONDUITS ADJACENT TO EACH OTHER ARE INSTALLED IN A COMMON TRENCH AND BACKFILL, EACH CABLE DUCT OR CONDUIT WILL NOT BE PAID FOR. ONLY THE LENGTH OF THE COMMON TRENCH WILL BE PAID FOR.

13. THE CONTRACTOR SHALL FIELD CHECK AND VERIFY ALL EXISTING LIGHTING CONDUITS, CABLES, UTILITY LOCATIONS, DIMENSIONS AND ELEVATIONS IN THE FIELD PRIOR TO THE COMMENCEMENT OF CONSTRUCTION OF THE IMPROVEMENTS OR PROPOSED WORK. ALL EXISTING UTILITY LOCATIONS ON THE PLANS HAVE BEEN SHOWN BASED ON BEST AVAILABLE INFORMATION. CALL JULIE 1-800-892-0123. NOTIFY OWNER IMMEDIATELY IF DISCREPANCIES ARE FOUND.

14. NO POLES SHALL BE ERECTED UNTIL THE RESPECTIVE FOUNDATIONS HAVE CURED SUFFICIENTLY.

15. BEFORE INSTALLING LIGHT STANDARDS NEAR OVERHEAD UTILITIES CALL COMED FOR LOCATION APPROVAL.

16. CONTRACTOR SHALL REMOVE ALL STREET LIGHTING HANDHOLES THAT ARE NO LONGER IN USE. FOR THE PURPOSE OF BIDDING, WE HAVE ASSUMED 2 HANDHOLES PER INTERSECTION.

17. ALL HANDHOLES SHALL FACE AWAY FROM TRAFFIC.

18. EQUIPMENT GROUNDING CONDUCTORS SHALL BE SPLICED AND BONDED AT EACH LIGHT POLE OR OTHER PICE OF EQUIPMENT.

LEGEND:

- RESIDENTIAL LIGHT POLE. SEE SHEET 12 FOR FIXTURE DETAILS.
- 250W STREET LIGHTING ASSEMBLY COMPLETE TYPE F1.
- 250W STREET LIGHTING ASSEMBLY COMPLETE TYPE F2.
- 150W STREET LIGHTING ASSEMBLY COMPLETE TYPE F1.
- 150W STREET LIGHTING ASSEMBLY COMPLETE TYPE F2.
- LIGHTING CONTROLLER, SPECIAL
- 3" RIGID GALVANIZED STEEL CONDUIT SLEEVE
- —E— EXISTING LIGHTING DUCT AND CABLE
- UNIT DUCT WITH CABLE AS NOTED
- (A) 4-#4 AND 1-#6 GND, 1 1/2 " UNIT DUCT
- (B) 4-#6 AND 1-#6 GND, 1 1/4" UNIT DUCT
- (C) 2-#4 AND 1-#6 GND, 1" UNIT DUCT
- (D) 2-#6 AND 1-#6 GND, 1" UNIT DUCT
- X EXISTING LIGHT POLE TO BE REMOVED. SEE NOTE 15.
- HAND HOLE

A1-2 — CIRCUIT NUMBER / POLE NUMBER ON CIRCUIT

65+3.00 — POLE STATION LOCATION
18.60 LT — POLE SETBACK (CENTER OF ROAD TO FACE OF POLE)

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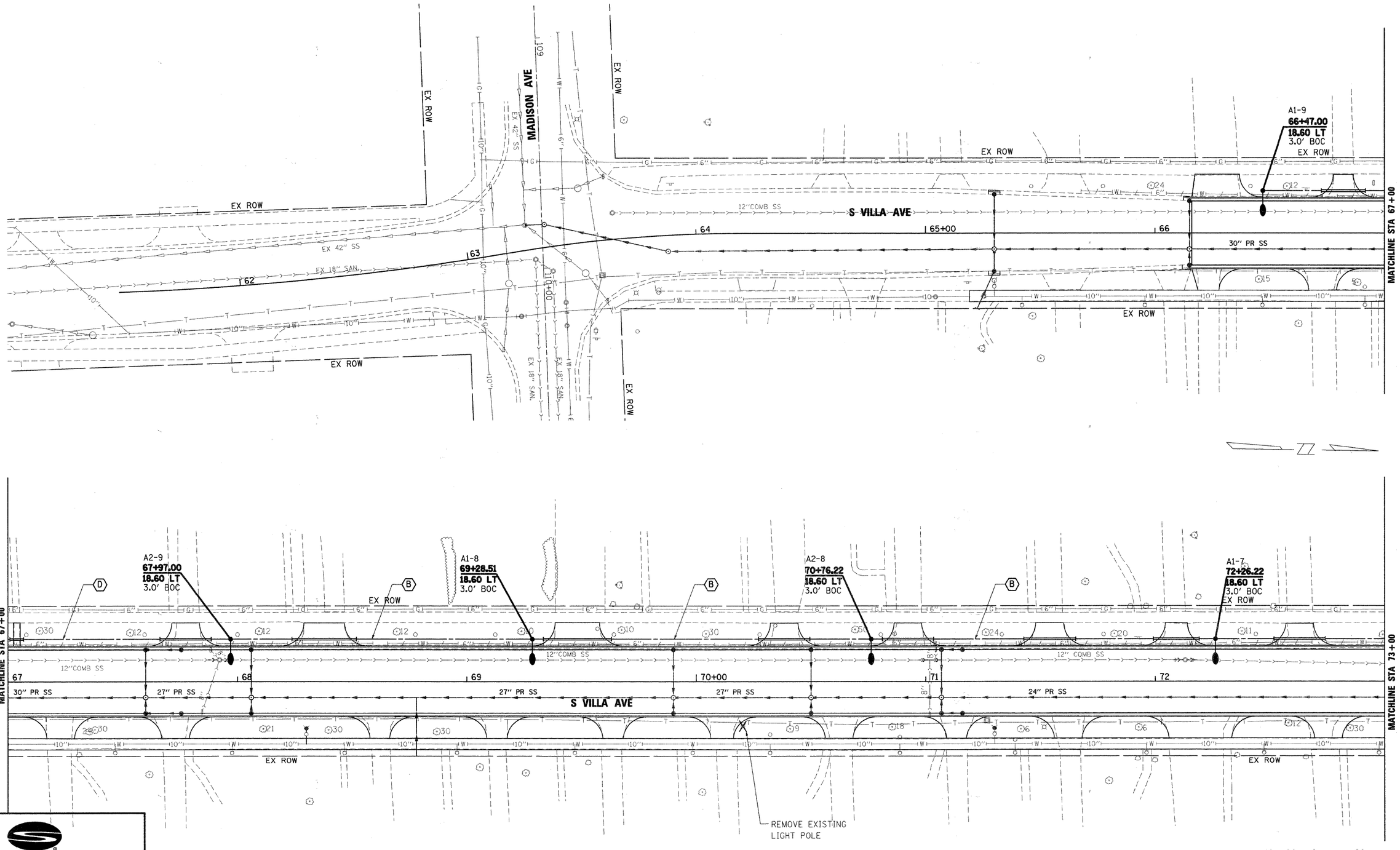

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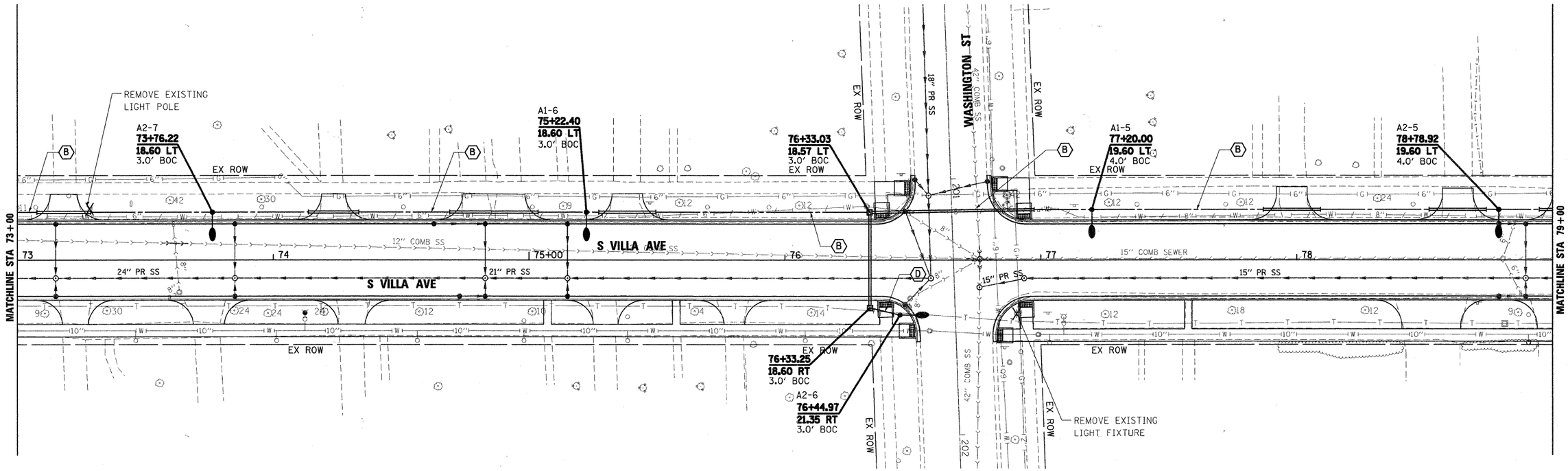

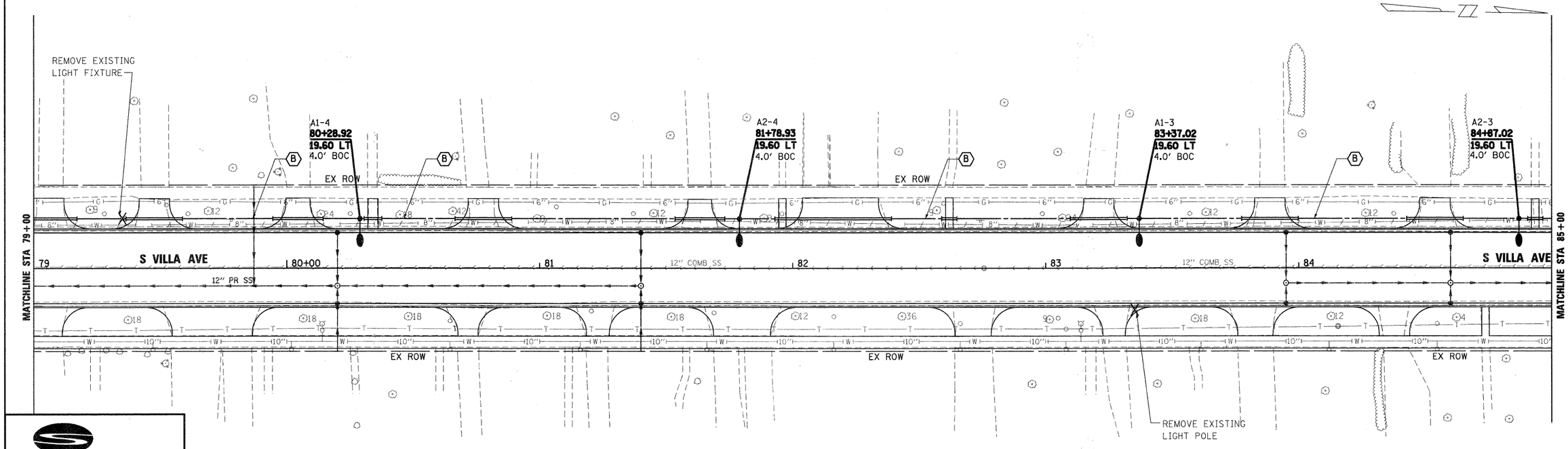

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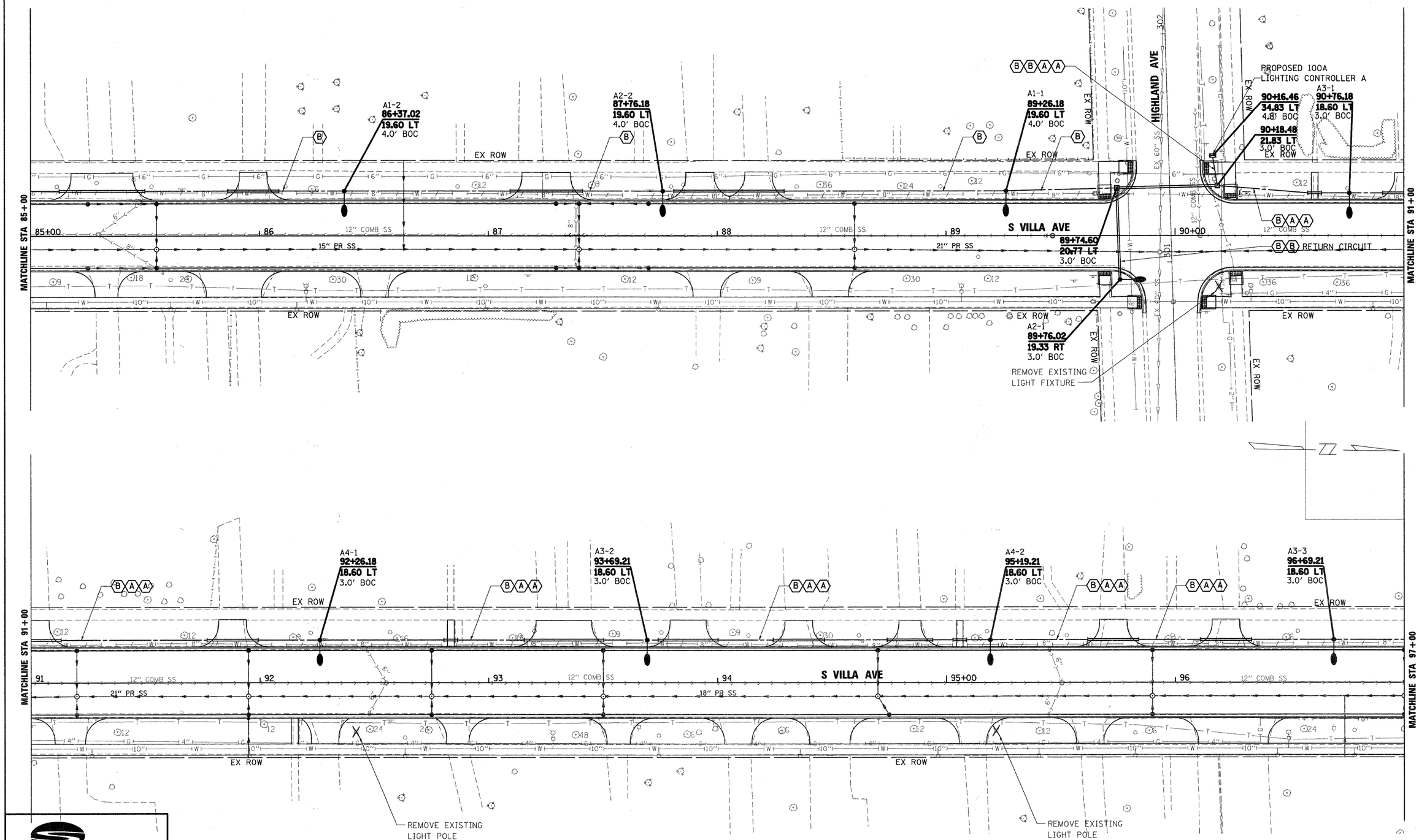

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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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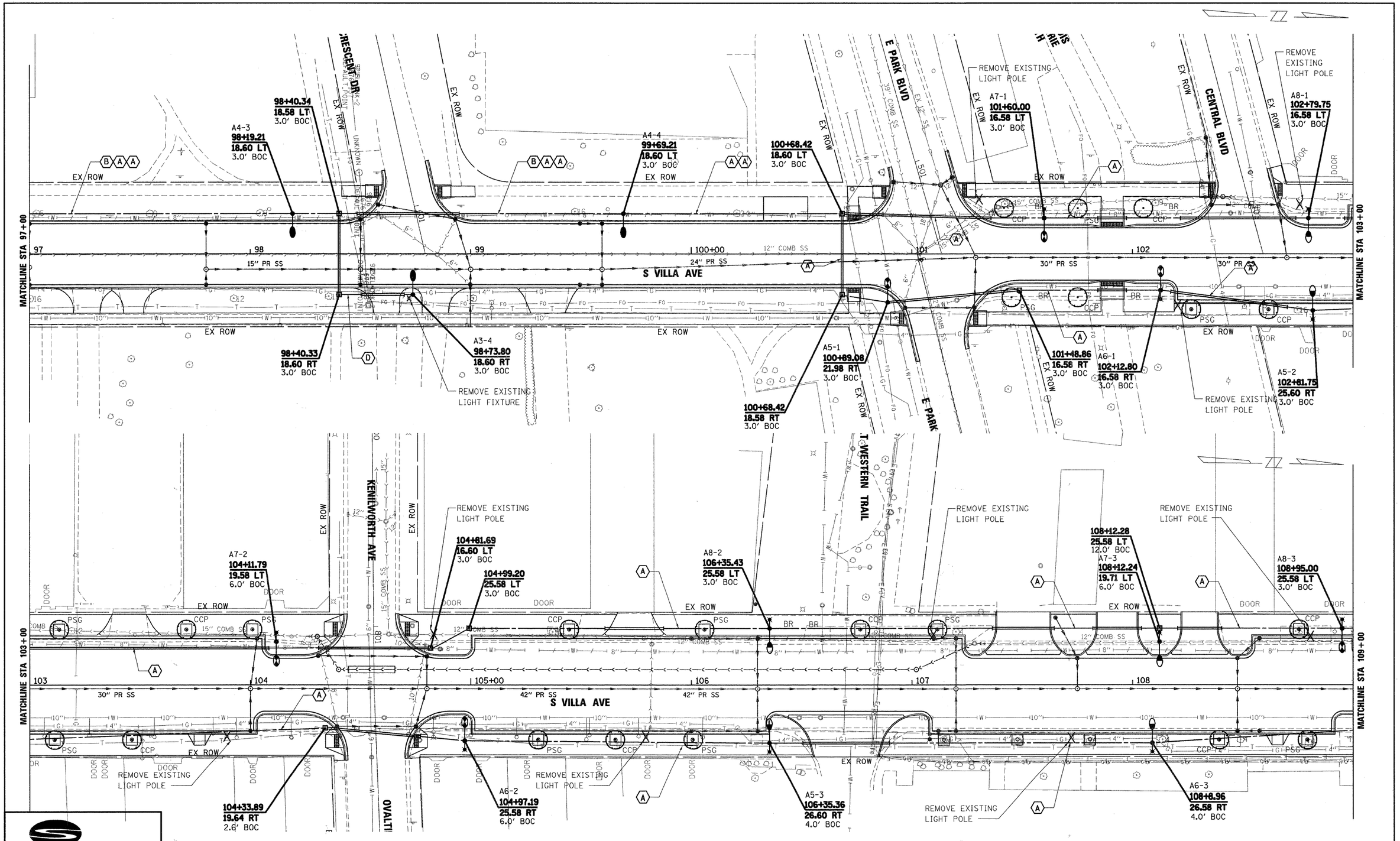

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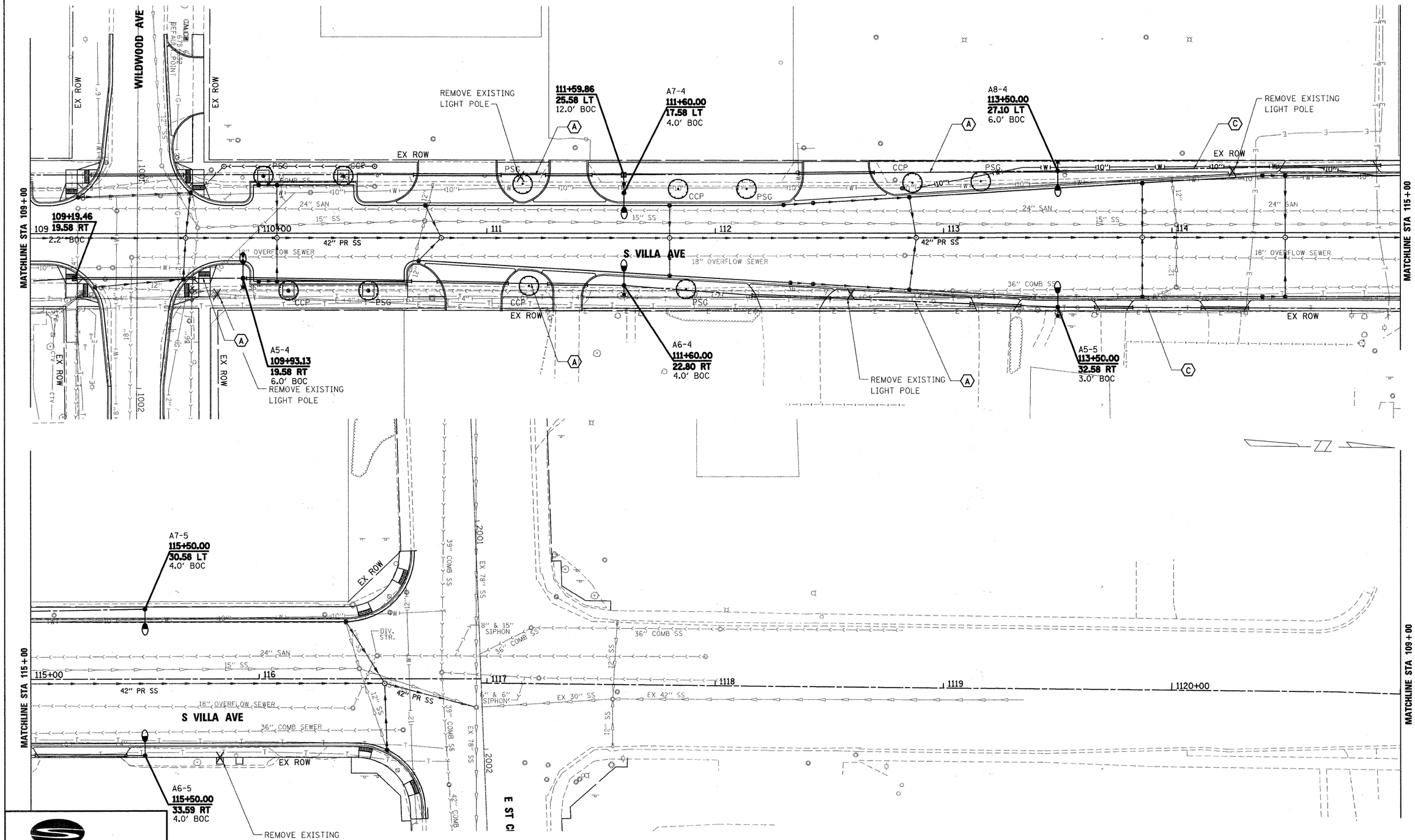

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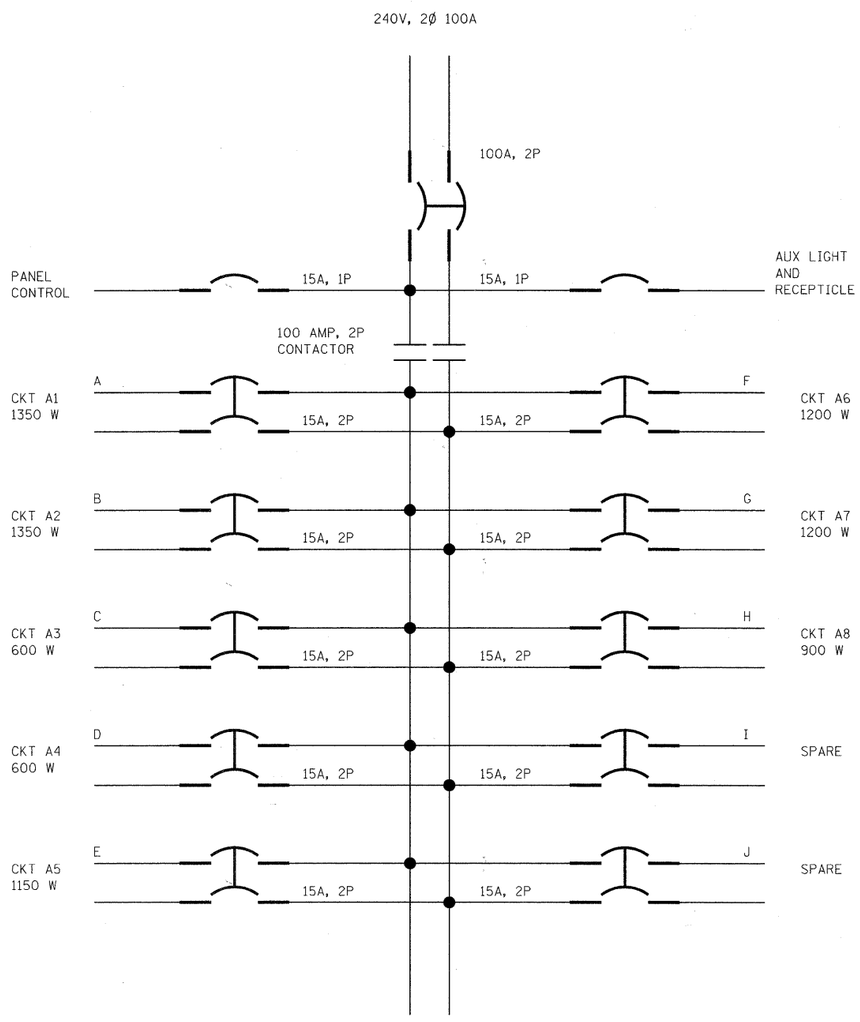
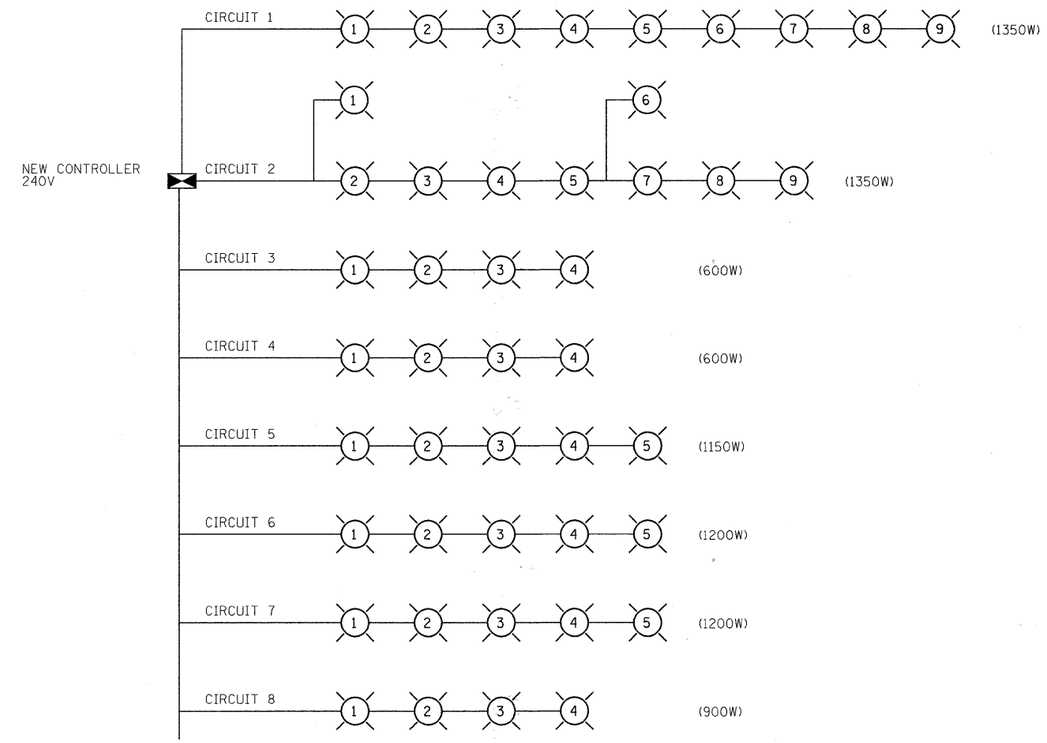


NEW CONTROLLER
TOTAL LOAD = 8350 W



NEW CONTROLLER
CONTACTOR AND BREAKER SCHEDULE

CONSOLE			NO. OF BRANCH BREAKERS		MAIN BREAKER 2 POLE, 240 VOLT		CONTACTOR 2 POLE, 240 VOLT
NO.	LOCATION		120V	240V	SIZE		SIZE
	SHEET	STATION	15A/1P	15A/2P	FRAME	TRIP	
A	4	90+16.46	2	10	100	100	100 AMP

NOTES:

1. CONTRACTOR SHALL COORDINATE CONTROLLER LABEL NAME WITH OWNER.

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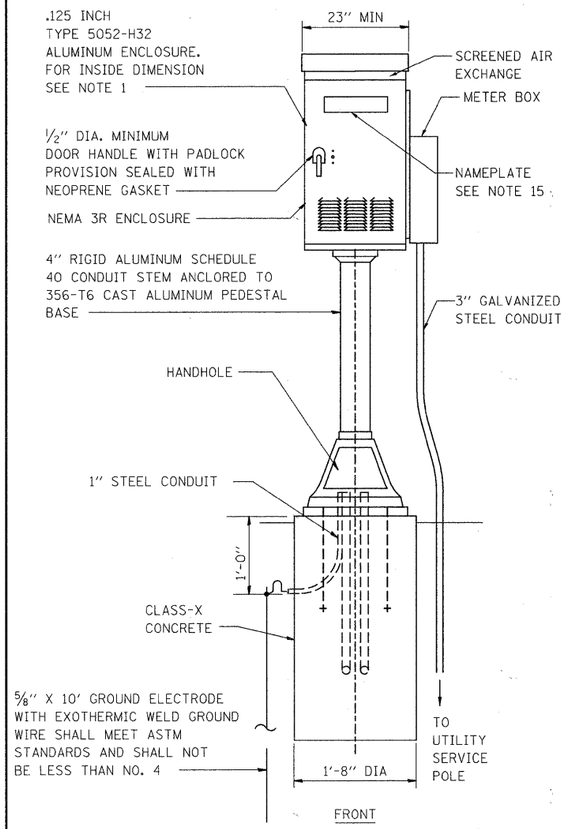
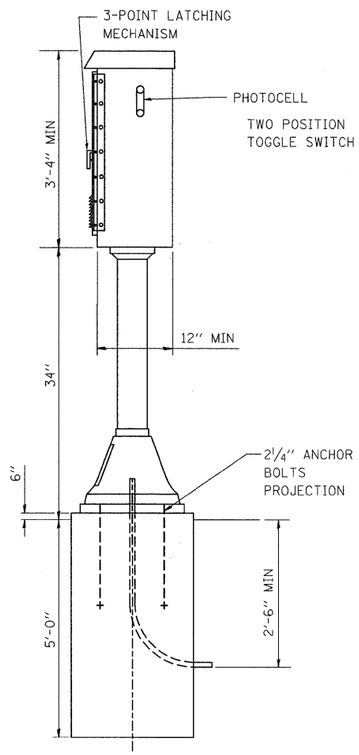
		DRAWN - B.K.	REVISED -			2652	00-00070-00-PV	DuPAGE	160 / 73
	PLOT SCALE = 1:1	CHECKED - S.K.	REVISED -					CONTRACT NO. 63379	
	PLOT DATE = 6/15/2010	DATE - 9/23/2009	REVISED -		SCALE: 1"=20' SHEET NO. 7 OF 12 SHEETS STA. 63+19.78 TO STA. 116+71.35	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	





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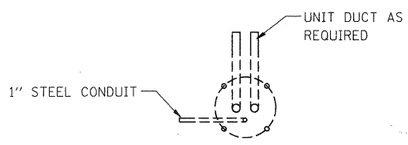
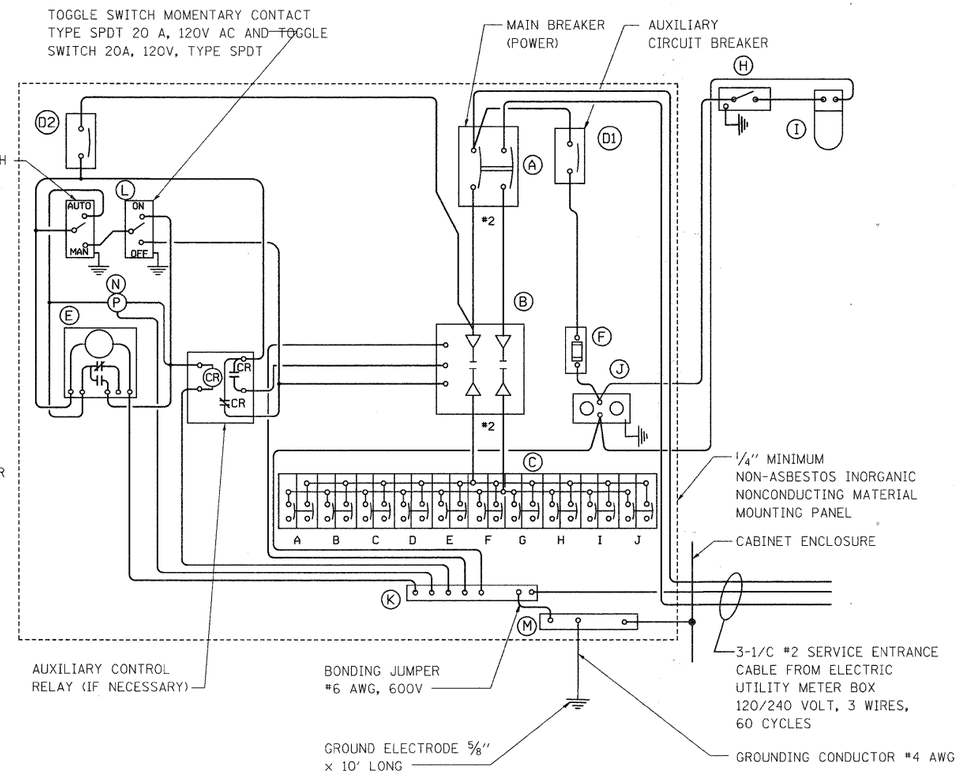


FOUNDATION PLAN

CONTROL CABINET



PANEL WIRING DIAGRAM

PANEL EQUIPMENT

BILL OF MATERIAL			BILL OF MATERIAL		
ITEM	QUANTITY	DESCRIPTION	ITEM	QUANTITY	DESCRIPTION
A	1	MAIN CIRCUIT BREAKER, 2 POLE, 600 VOLT 100AMP. FRAME, 100AMP. NON-INTERCHANGEABLE TRIP INTERRUPTING RATING NEMA-22000 AMP. AT 240 VOLT.	F	1	20 A., 120 V. FUSE.
			G		UNUSED
B	1	REMOTE CONTROL SWITCH, ELECTRICALLY OPERATED, MECHANICALLY HELD, 2 POLE, SINGLE THROW, 100 AMP., 600 VOLTS CONTROL CIRCUIT 120 VOLT, ASCO 920.	H	1	SPST 20A SWITCH ON DOOR, TO TURN LIGHT ON WHEN DOOR IS OPEN,
C	10	CIRCUIT BREAKERS, 2 POLE, 240V., 100AMP. FRAME 15 AMP. NON-INTERCHANGEABLE TRIP INTERRUPTING RATING NEMA-22,000 AMP. AT 240 V.	I	1	INCANDESCENT LIGHTING FIXTURE ENCLOSED AND GASKETED WITH 60 WATT, 120 V. LAMP.
			J	1	15 A., 120 V., DUPLEX RECEPTACLE, GFCI.
D1	1	CONTROL CIRCUIT-CIRCUIT BREAKER. 1 POLE, 120 V., 100AMP. FRAME, 15AMP. NON-INTERCHANGEABLE TRIP INTERRUPTING RATING NEMA-22,000 AMP. AT 120 V.	K	1	COPPER GROUND BUS 1/4" X 1" X 12" LONG MOUNTED ON PANEL WITH LUGS AND 4 SPARE LUGS
			L	1	TOGGLE SWITCHES MOUNTED IN 4" X 4" BOX.
D2	1	CONTROL CIRCUIT-CIRCUIT BREAKER. 1 POLE, 120 V., 100AMP. BASE, 15AMP. NON-INTERCHANGEABLE TRIP INTERRUPTING RATING NEMA-22,000 AMP. AT 120 V.	M	1	COPPER GROUND BUS 1/4" X 1" X 12" LONG MOUNTED ON PANEL WITH LUGS AND SPARE LUGS
E	1	ASTRONOMIC MICROPROCESSOR-BASED 2-CHANNEL CONTROLLER [TIME SWITCH].	N	1	EXTERNALLY - MOUNTED PHOTOCELL OPERATED ON 120V

NOTES:

1. UNLESS OTHERWISE INDICATED, THE CABINET SHALL BE MOUNTED ATOP A 4-INCH RIGID ALUMINUM SCHEDULE 40 CONDUIT STEM ANCHORED TO A CAST ALUMINUM PEDESTAL BASE.
2. IN FRONT OF CONTROL CABINET DOOR, REMOVE VEGETATION AND 2" TOP SOIL, LEVEL THE AREA AND ON TOP, PLACE LENGTH WISE PARALLEL TO CONTROL CABINET, A PRECAST CONCRETE PAD 48" x 48" x 4" MIN. SIZE. THE COST OF LABOR AND MATERIALS ARE INCIDENTAL TO CONTROL CABINET - PER SPECIFICATIONS.
3. DOOR SHALL BE CONSTRUCTED FROM SAME TYPE OF MATERIAL AND THICKNESS AS CABINET.
4. DOOR SHALL BE EQUIPPED WITH THREE POINT LATCHING MECHANISM WITH NYLON ROLLERS AT TOP THE BOTTOM.
5. DOOR HINGE SHALL BE A HEAVY GAUGE CONTINUOUS HINGE WITH A 1/4" DIA. STAINLESS STEEL HINGE PIN.
6. ALL EXTERNAL HARDWARE SHALL BE STAINLESS STEEL.
7. CONTROL WIRING TO BE #12 AWG, 600V, TYPE "SIS" GRAY SWITCH BOARD WIRE, STRANDED COPPER.
8. METER BOX SHALL BE MOUNTED ON THE SIDE OF CONTROL CABINET, NEAR TO THE SERVICE POLE.
9. PEDESTAL SHALL BE POWDER COATED TO MATCH THE LIGHT POLES.
10. THE HEADS OF CONNECTORS SCREWS SHALL BE PAINTED WHITE FOR NEUTRAL BAR CONNECTION AND GREEN FOR GROUND BAR CONNECTORS.
11. ALL WIRING WITHIN THE CABINET SHALL BE COLOR CODED AS INDICATED.
    R = RED BL = BLUE W = WHITE
    B = BLACK Y = YELLOW G = GREEN
12. PROVIDE SEALING GROMMETS FOR ALL OPEN WIRING EXTENDED FROM DEVICES IN BOXES OR CABINETS WITHIN THE CONTROL CABINET.
13. ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.
14. THE CONTROLLER SHALL BE CONSTRUCTED TO U.L. STD. 508 AND BEAR THE U.L. LABEL "ENCLOSED INDUSTRIAL CONTROL PANEL".
15. 12" X 16" STAINLESS STEEL EXTERIOR NAMEPLATE SHALL BE ENGRAVED TO "VILLAGE OF VILLA PARK LIGHTING CONTROLS" UNLESS OTHERWISE SPECIFIED.

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		DRAWN - B.K.	REVISED -			2652	00-00070-00-PV	DuPAGE	160 / 74
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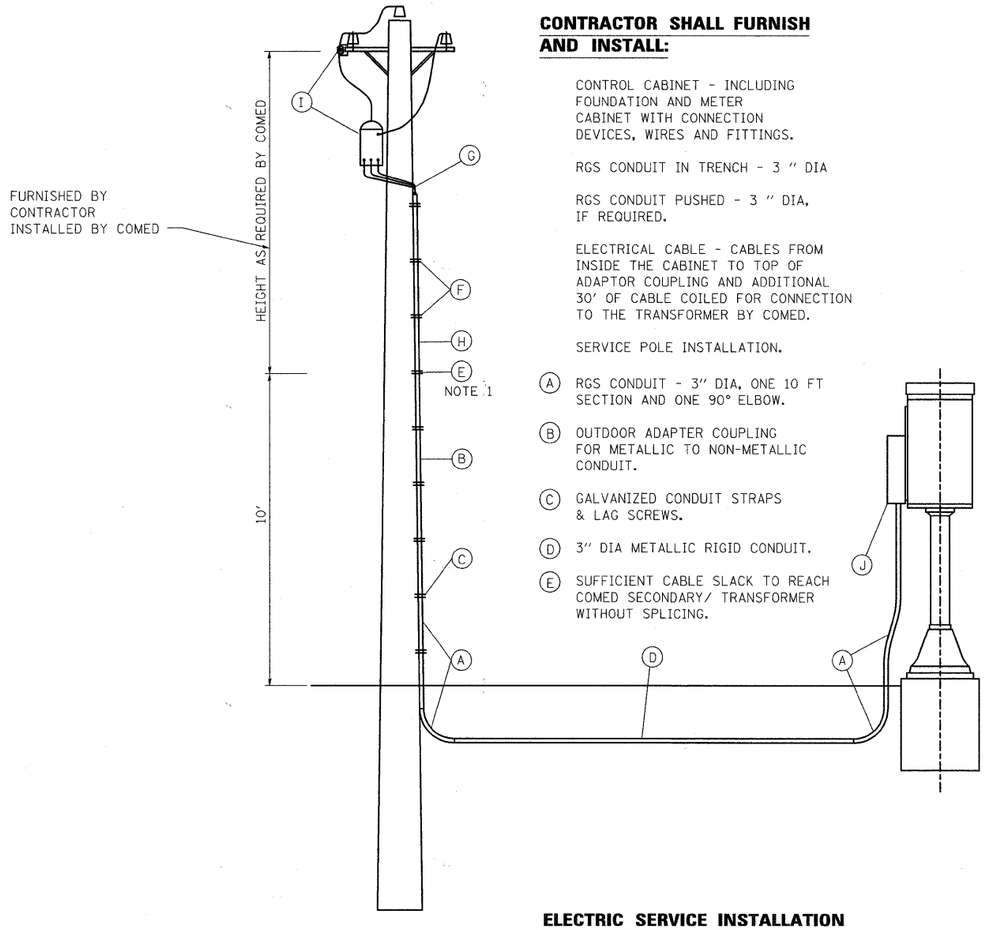
	PLOT DATE = 6/15/2010	DATE - 9/23/2009	REVISED -		SCALE: 1"=20' SHEET NO. 8 OF 12 SHEETS STA. 63+19.78 TO STA. 116+71.35	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	



CONTRACTOR SHALL FURNISH AND INSTALL:

CONTROL CABINET - INCLUDING FOUNDATION AND METER CABINET WITH CONNECTION DEVICES, WIRES AND FITTINGS.

RGS CONDUIT IN TRENCH - 3 " DIA

RGS CONDUIT PUSHED - 3 " DIA, IF REQUIRED.

ELECTRICAL CABLE - CABLES FROM INSIDE THE CABINET TO TOP OF ADAPTOR COUPLING AND ADDITIONAL 30' OF CABLE COILED FOR CONNECTION TO THE TRANSFORMER BY COMED.

SERVICE POLE INSTALLATION.

(A) RGS CONDUIT - 3" DIA, ONE 10 FT SECTION AND ONE 90° ELBOW.

(B) OUTDOOR ADAPTER COUPLING FOR METALLIC TO NON-METALLIC CONDUIT.

(C) GALVANIZED CONDUIT STRAPS & LAG SCREWS.

(D) 3" DIA METALLIC RIGID CONDUIT.

(E) SUFFICIENT CABLE SLACK TO REACH COMED SECONDARY/ TRANSFORMER WITHOUT SPLICING.

CONTRACTOR SHALL FURNISH AND COMMONWEALTH EDISON COMPANY SHALL INSTALL SERVICE POLE INSTALLATION

(F) RGS CONDUIT STRAPS & LAG SCREWS.

(G) COMED - APPROVED SERVICE HEAD.

(H) 3" DIA NON-METALLIC RIGID CONDUIT

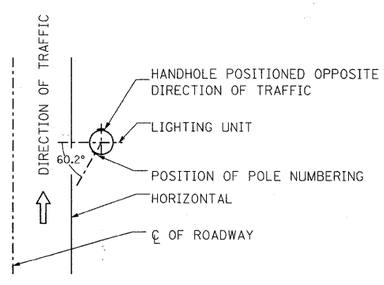
(I) SERVICE POLE INSTALLATION: TRANSFORMER, CUT-OUT SWITCH, LIGHTING ARRESTER, GROUNDING EQUIPMENT. INSULATORS,WIRES, POLE, MAST ARM, HARDWARE AND ANY OTHER EQUIPMENT AND LABOR DEEMED NECESSARY. METER ON CONTROL CABINET AS PART OF SERVICE INSTALLATION.

(J) ELECTRIC SERVICE INSTALLATION: "ELECTRIC SERVICE INSTALLATION" APPLIES TO THOSE FACILITIES REQUIRED IN ADDITION TO WHAT IS DETERMINED BY AGREEMENT WITH COMED COMPANY TO BE A NORMAL INSTALLATION AND SUCH FACILITIES WILL BE PAID FOR AS "ELECTRICAL SERVICE INSTALLATION". SERVICE SHALL BE INSTALLED OF APPROPRIATE SIZE SUCH THAT THE AVAILABLE SHORT CIRCUIT CURRENT TO ANY CONTROLLER WILL NOT EXCEED 10 KAIC.

NOTES:

1. CONTRACTOR TO PROVIDE A CONDUIT BUSHING AND SEALING COMPOUND AT TOP OF RISER.

ELECTRIC SERVICE INSTALLATION



HANDHOLE AND POLE NUMBERING

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FILE NAME = 075_650edt03.dgn	USER NAME = $USER$	DESIGNED - L.B.	REVISED -	VILLAGE OF VILLA PARK, ILLINOIS	LIGHTING DETAIL			F.A. U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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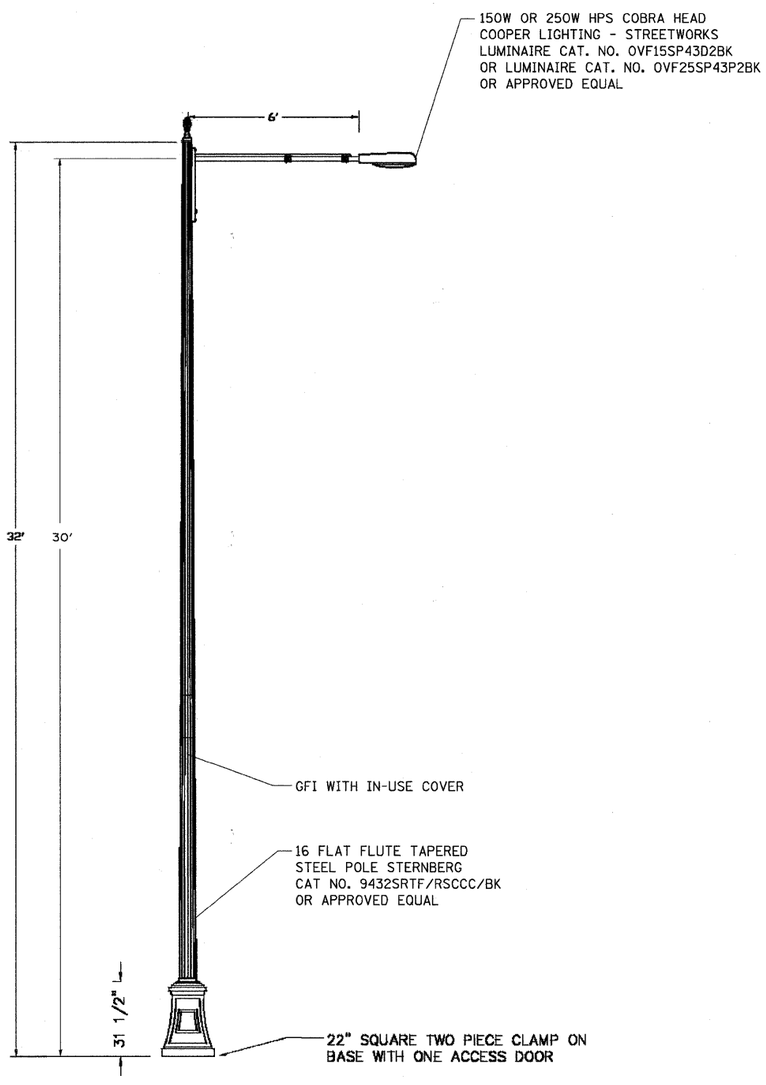
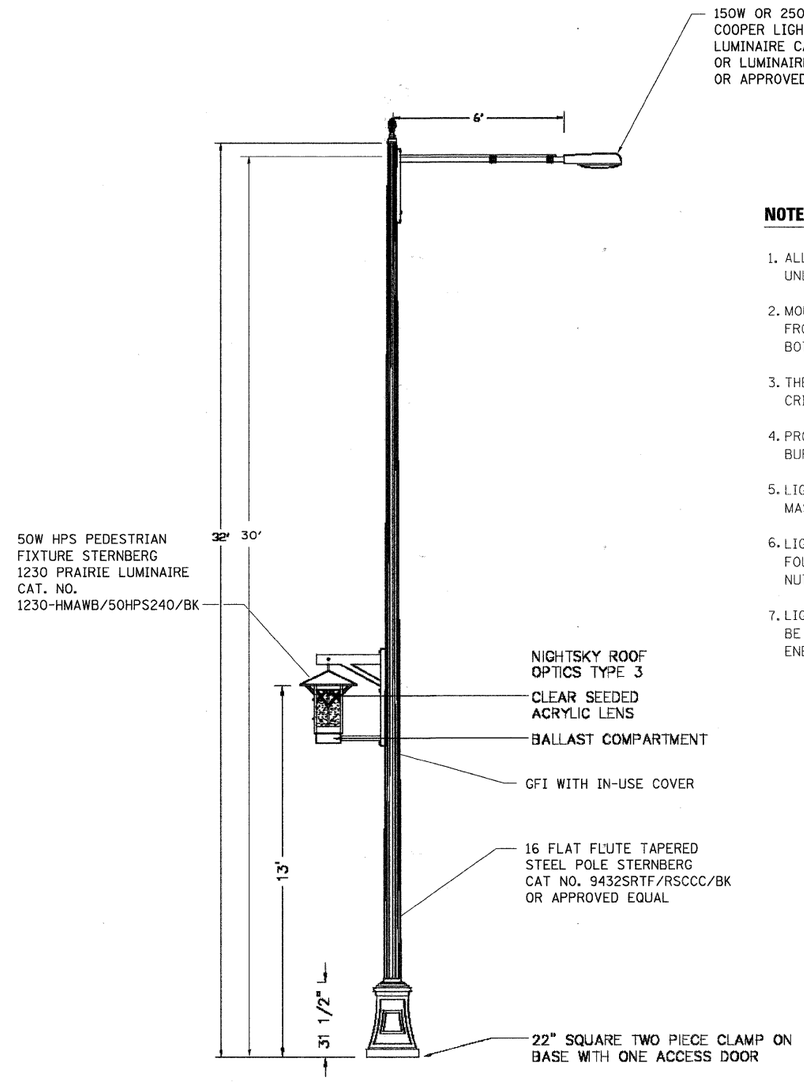


STREET LIGHTING ASSEMBLY COMPLETE TYPE F1

- 150W HPS
- 250W HPS



STREET LIGHTING ASSEMBLY COMPLETE TYPE F2

- 150W HPS
- 250W HPS

NOTES:

1. ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
2. MOUNTING HEIGHTS IS DEFINED AS THE DISTANCE FROM THE CENTERLINE OF THE TENON TO THE BOTTOM OF THE ANCHOR BASE.
3. THE LIGHT POLE SHALL MEET AASHTO DESIGN CRITERIA AS SPECIFIED.
4. PROVIDE A UL LISTED GROUNDING CONNECTOR. BURNDY K2C23, T&B SP4DL OR APPROVED EQUAL.
5. LIGHT POLES WILL NOT BE INSTALLED WITHOUT MAST ARMS AND LUMINAIRES.
6. LIGHT POLES SHALL BE SET PLUMB ON THE FOUNDATION WITHOUT THE USE OF LEVELING NUTS, WASHERS OR SHIMS.
7. LIGHTING UNIT IDENTIFICATION NUMBERS SHALL BE INSTALLED BEFORE THE LIGHTING UNITS IS ENERGIZED.

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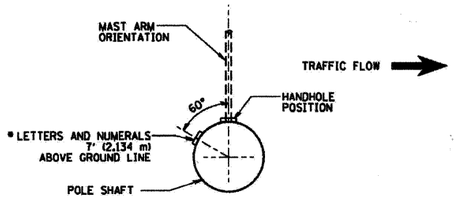
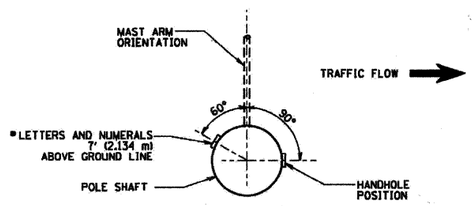
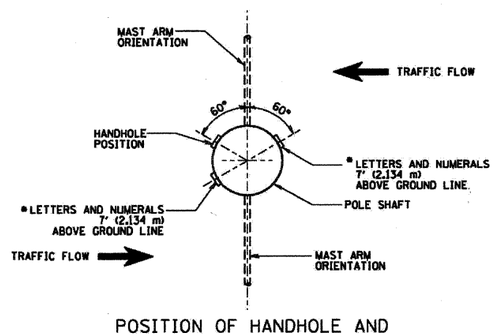


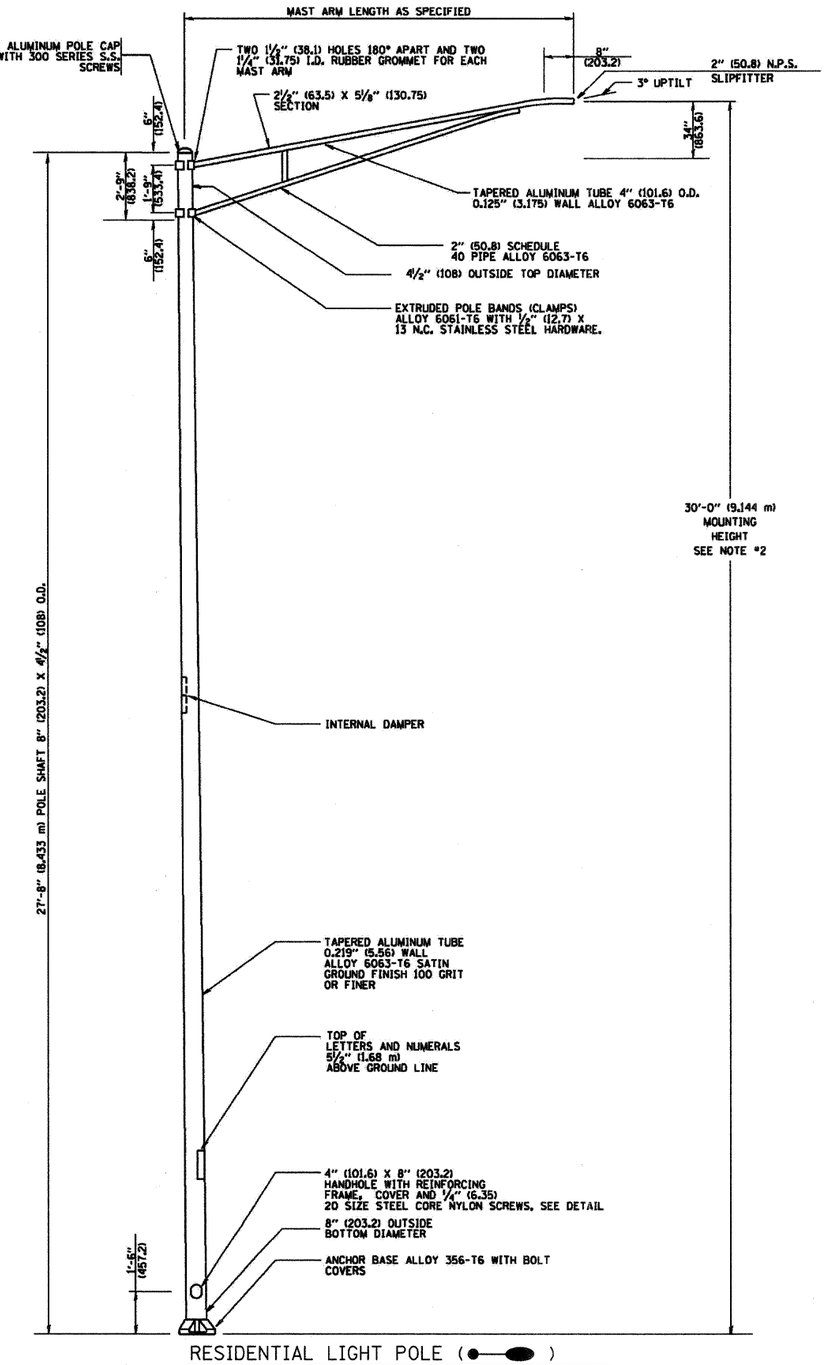
POSITION OF HANDHOLE AND POLE NUMBER FOR SINGLE MAST ARM POLES MOUNTED ON BRIDGE PARAPET OR BARRIER WALL



POSITION OF HANDHOLE AND POLE NUMBER FOR SINGLE MAST ARM POLES

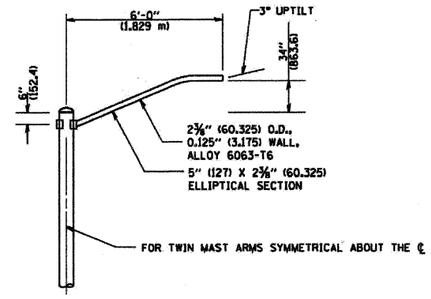


POSITION OF HANDHOLE AND POLE NUMBER FOR TWIN MAST ARM POLES



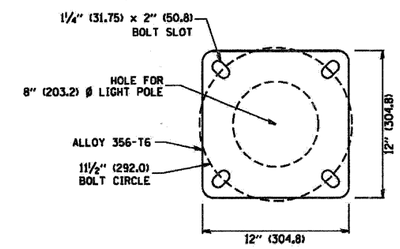
RESIDENTIAL LIGHT POLE ( )

LUMINARE SHALL BE LITHONIA CAT. NO. CHLD 150S R3 FL 240 XHP DF OR EQUAL



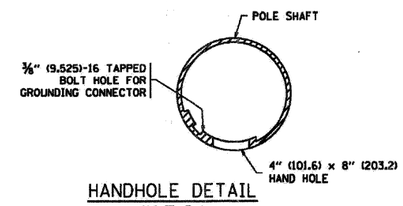
6' (1.8 m) SINGLE MEMBER MAST ARM

(N.T.S.)



LIGHT POLE BASE PLATE DETAIL

11½" (292.0) BOLT CIRCLE



HANDHOLE DETAIL

(N.T.S.)

NOTES:

1. ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
2. MOUNTING HEIGHTS IS DEFINED AS THE DISTANCE FROM THE CENTERLINE OF THE TENON TO THE BOTTOM OF THE ANCHOR BASE.
3. THE LIGHT POLE SHALL MEET AASHTO DESIGN CRITERIA AS SPECIFIED.
4. PROVIDE A UL LISTED GROUNDING CONNECTOR. BURNDY K2C23, T&B SP4DL OR APPROVED EQUAL.
5. LIGHT POLES WILL NOT BE INSTALLED WITHOUT MAST ARMS AND LUMINAIRES.
6. LIGHT POLES SHALL BE SET PLUMB ON THE FOUNDATION WITHOUT THE USE OF LEVELING NUTS, WASHERS OR SHIMS.
7. LIGHTING UNIT IDENTIFICATION NUMBERS SHALL BE INSTALLED BEFORE THE LIGHTING UNITS IS ENERGIZED.

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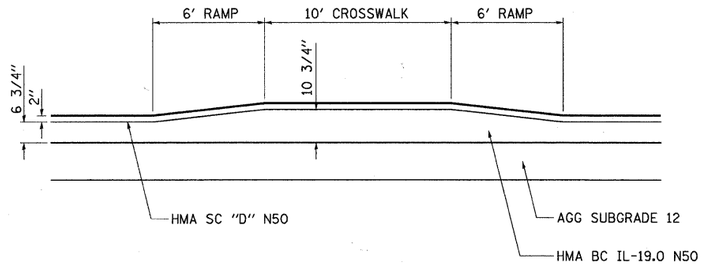

SECTION A–A
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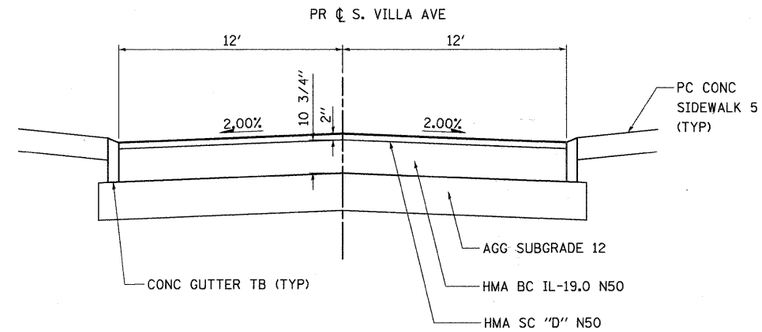

SECTION B–B
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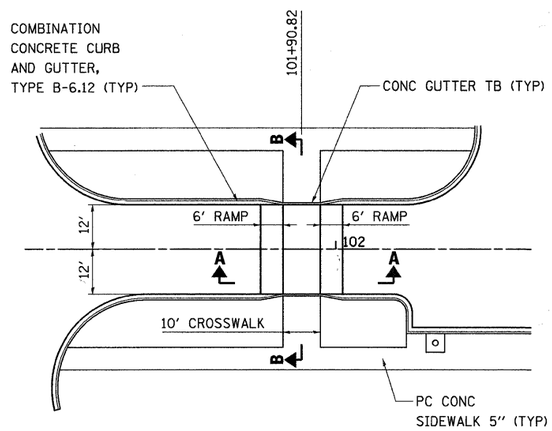
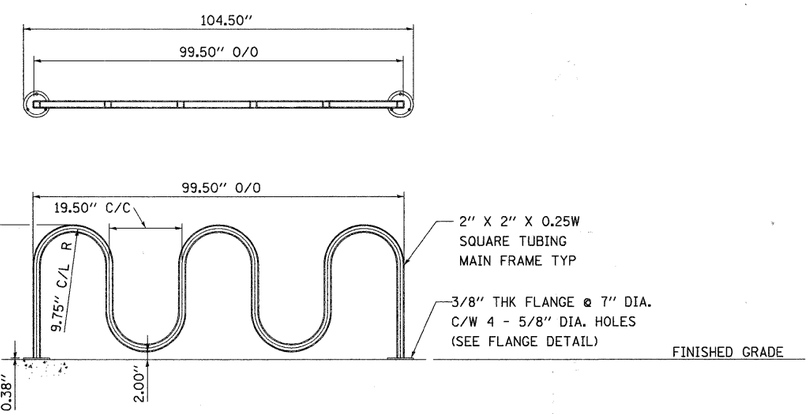


PLAN VIEW
N.T.S.



BICYCLE RACK DETAIL
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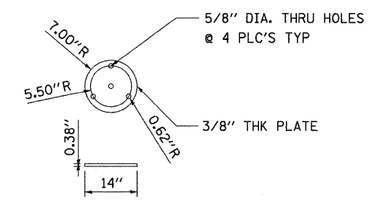

FLANGE DETAIL
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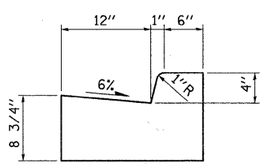

COMBINATION CONCRETE CURB AND GUTTER, TYPE B–4.12
N.T.S.

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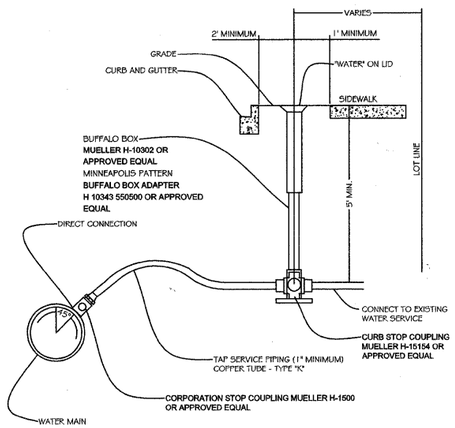
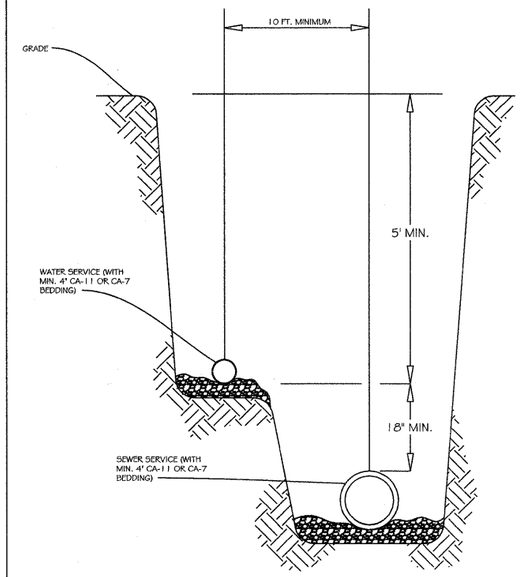


GENERAL NOTES:

1. INSTALL CURB STOP 1' FROM EDGE OF SIDEWALK INSOFAR AS PRACTICAL.
2. FOR WATER SERVICES CROSSING STREET, AUGER DRILLING IS REQUIRED. IF INSTALLING ON SAME SIDE OF STREET, EXCAVATE TO INSTALL.
3. CURB STOP MUST BE INSTALLED PERPENDICULAR TO BUILDING
4. DO NOT INSTALL CURB STOP IN DRIVEWAY APRON OR SIDEWALK, UNLESS APPROVED BY ENGINEER.

NOT TO SCALE

REV:		DATE:	TYPICAL WATER TAP
REV:	RMS	DATE: JUL 2004	VILLAGE OF VILLA PARK
DRAWN BY:	VV	DATE: JAN 2003	WATER - 12

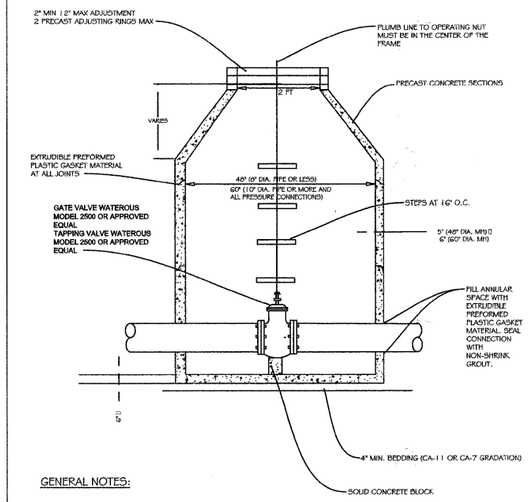


GENERAL NOTES:

1. COMMON TRENCH PER ILLINOIS PLUMBING CODE

NOT TO SCALE

REV:		DATE:	WATER AND SEWER SERVICE SEPARATION
REV:	RMS	DATE: JUL 2004	VILLAGE OF VILLA PARK
DRAWN BY:	VV	DATE: JAN 2003	WATER - 13

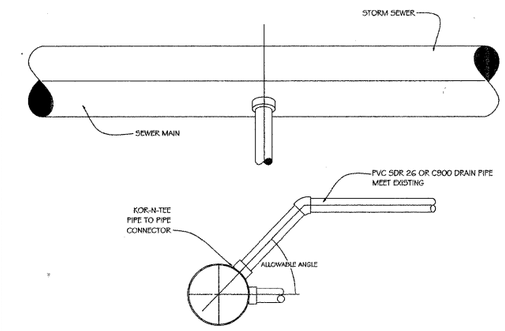


GENERAL NOTES:

1. ALL BELOW GRADE FASTENERS TO BE STAINLESS STEEL:
   A. BOLTS AND THREADED RODS - GRADE #304
   B. NUTS AND WASHERS - GRADE #300
2. FRAME AND LID:
   NEENAH R-1015-2000 FRAME, OR APPROVED EQUAL
   NEENAH R-1015-2001 SELF SEALING LID, OR APPROVED EQUAL
   *WATER TO BE CAST INTO COVER

NOT TO SCALE

REV:		DATE:	WATER VALVE IN VAULT
REV:	RMS	DATE: JUL 2004	VILLAGE OF VILLA PARK
DRAWN BY:	VV	DATE: JAN 2003	WATER - 14

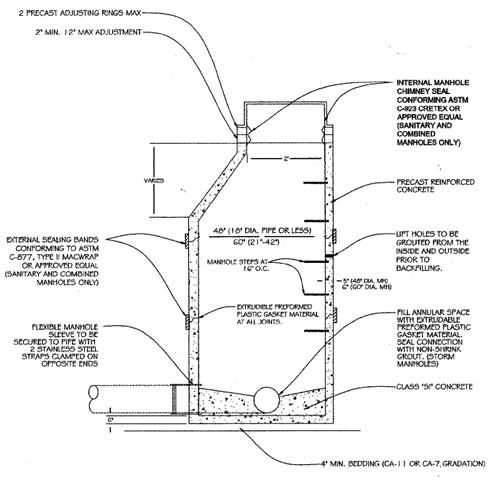


GENERAL NOTES:

1. EXISTING PIPE SHALL BE CORED ONLY TO GAIN ACCESS
2. **KOR-N-TEE SEWER CONNECTORS FOR SDR 26, PART NO. 005-5 THRU 9 BY ROSEMONT BUILDING SUPPLY, BENSENVILLE. 630-799-8030, OR APPROVED EQUAL**
3. SERVICE LIE TO BE CAPPED AT RIGHT-OF-WAY.

NOT TO SCALE

REV:		DATE:	KOR-N-TEE CONNECTION
REV:		DATE:	
DRAWN BY:		DATE:	

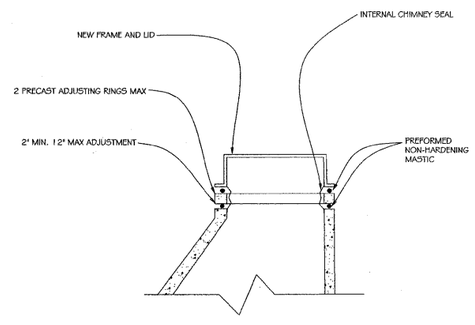


GENERAL NOTES:

1. **FRAME AND LID (SANITARY):**
   NEENAH R-1015-2000 FRAME OR APPROVED EQUAL
   NEENAH R-1015-2001 SELF SEALING LID OR APPROVED EQUAL
2. **ALL LIFT HOLES ARE TO BE GROUTED FROM INSIDE AND OUTSIDE BEFORE BACKFILLING**

NOT TO SCALE

REV:		DATE:	SANITARY MANHOLE
REV:	RMS	DATE: JUL 2004	VILLAGE OF VILLA PARK
DRAWN BY:	VV	DATE: JAN 2003	SANITARY - 05

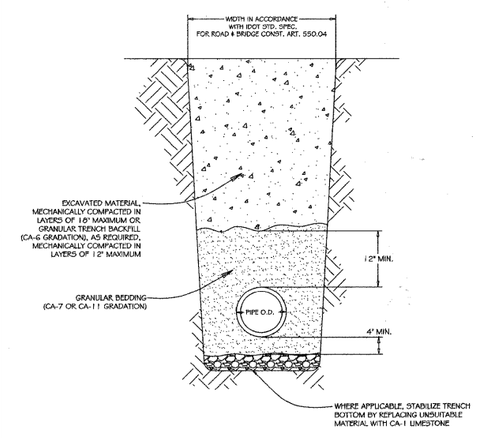


GENERAL NOTES:

1. INTERNAL MANHOLE CHIMNEY SEAL CONFORMING ASTM C-923 CRETEX OR APPROVED EQUAL (SANITARY AND COMBINED MANHOLES ONLY)
2. **NEW FRAME AND LID (SANITARY):**
   NEENAH R-1015-2000 FRAME OR APPROVED EQUAL
   NEENAH R-1015-2001 SELF SEALING LID OR APPROVED EQUAL

NOT TO SCALE

REV:		DATE:	TYPICAL ADJUSTMENT
REV:	RMS	DATE: JUL 2004	VILLAGE OF VILLA PARK
DRAWN BY:	VV	DATE: JAN 2003	SANITARY - 06

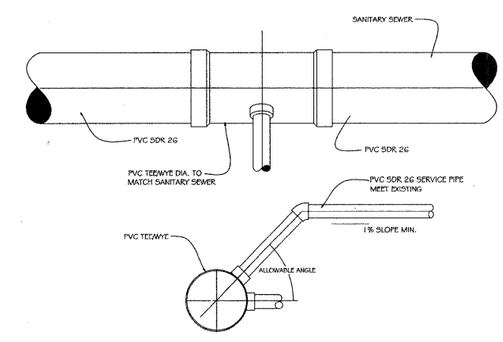


GENERAL NOTES:

1. GRANULAR TRENCH BACKFILL SHALL BE MECHANICALLY COMPACTED IN LAYERS OF 12" MAXIMUM, LOOSE MEASURE, TO 95% OF STANDARD MAXIMUM DENSITY (ASTM D 698)
2. EXCAVATED MATERIAL USED FOR BACKFILL SHALL BE MECHANICALLY COMPACTED IN LAYERS OF 12" MAXIMUM, LOOSE MEASURE, TO 90% OF STANDARD MAXIMUM DENSITY (ASTM D 698)

NOT TO SCALE

REV:	KJM	DATE: 10/22/2006	PIPE INSTALLATION
REV:	RMS	DATE: 07/2004	VILLAGE OF VILLA PARK
DRAWN BY:	VW	DATE: 01/2003	SANITARY - 08



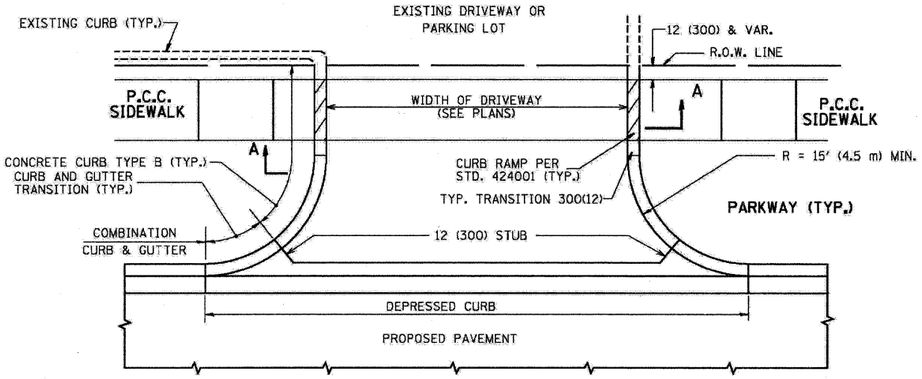
GENERAL NOTES:

1. TEEWYE CAN BE INSTALLED ONLY DURING NEW SEWER INSTALLATION
2. CONTRACTOR MAY USE A TEE OR A WYE AT HIS OPTION

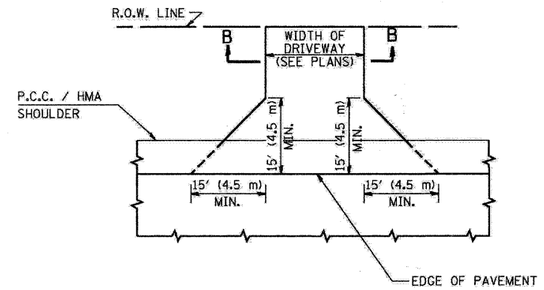
NOT TO SCALE

REV:		DATE:	SANITARY TEE / WYE
REV:	RMS	DATE: JUL 2004	VILLAGE OF VILLA PARK
DRAWN BY:	VV	DATE: JAN 2003	SANITARY - 10

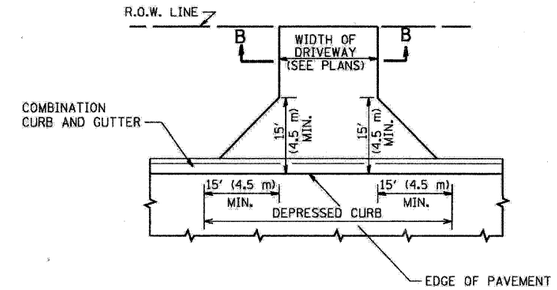
FILE NAME = 079_650misc_detail2.dgn	USER NAME = USER:7937	DESIGNED - L.B.	REVISED -	VILLAGE OF VILLA PARK, ILLINOIS	MISCELLANEOUS DETAILS				F.A. U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - B.K.	REVISED -						2652	00-00070-00-PV	DuPAGE	160	79
	PLOT SCALE = 1:20	CHECKED -	REVISED -								CONTRACT NO. 63379		
	PLOT DATE = 7/7/2010	DATE - 9/23/2009	REVISED -		SCALE: NO SCALE	SHEET NO. 2 OF 2 SHEETS	STA. 63+19.78	TO STA. 116+71.35	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



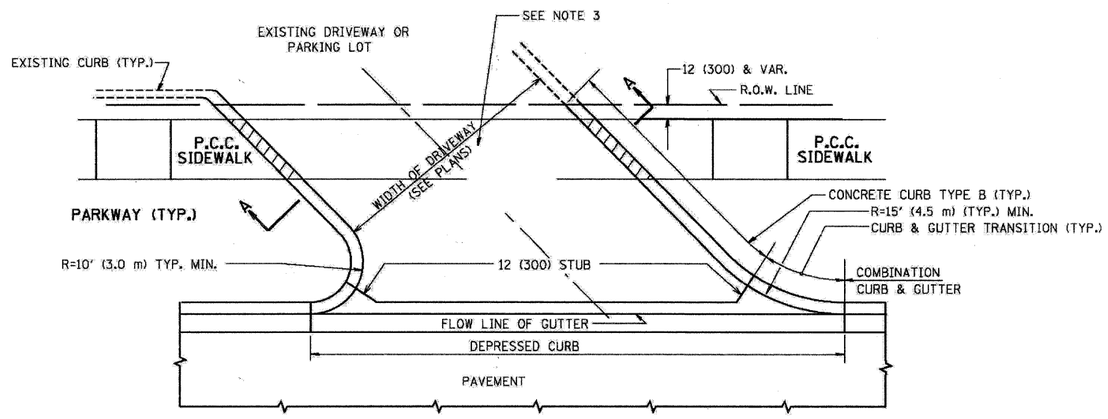
WITH CONCRETE CURB, TYPE B



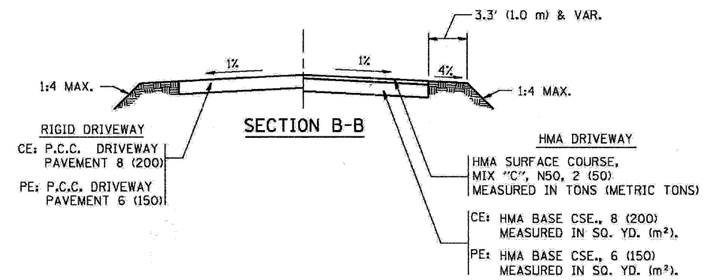
ADJACENT TO P.C.C. / HMA SHOULDER



ADJACENT TO CURB AND GUTTER



WITH CONCRETE CURB, TYPE B

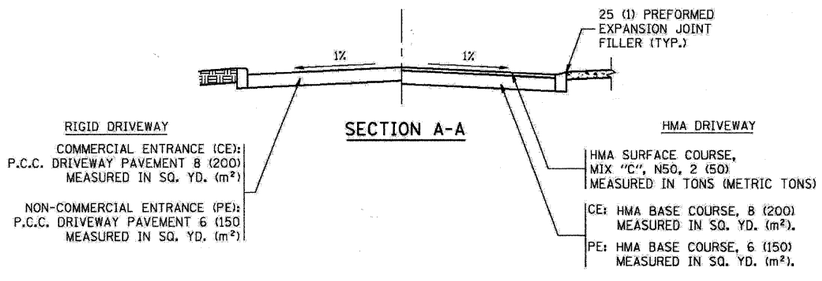


SECTION B-B

RURAL FIELD ENTRANCE (FE)

HMA SURFACE COURSE, MIX "C", N50, 2 (50) MEASURED IN TONS (METRIC TONS)

AGGREGATE BASE CSE., TYPE B, 8 (200) MEASURED IN SQ. YD. (m²).



SECTION A-A

GENERAL NOTES:

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

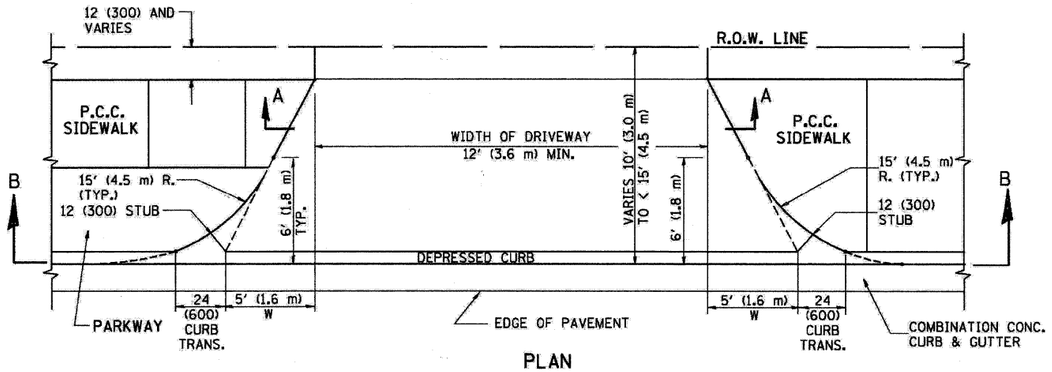
COMMERCIAL DRIVEWAYS SHALL BE CONSTRUCTED WITH CONCRETE CURB, TYPE B RETURNS EXCEPT WHEN THE SIDEWALK EDGE IS 4 FEET (1.2 METERS) OR LESS FROM THE BACK OF CURB, CONSTRUCT A FLARE DRIVEWAY WITHOUT CURB.

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

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

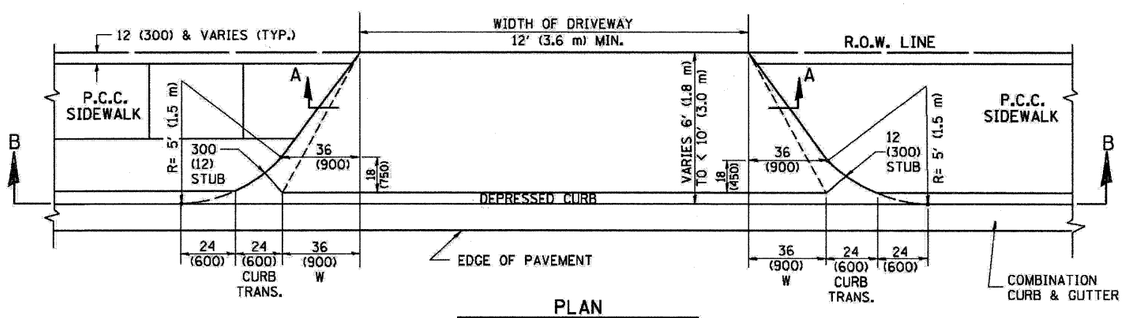
1 (25) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.

WHEN THE P.C.C. SIDEWALK EXTENDS THROUGH THE DRIVEWAY, THE THICKNESS OF THE SIDEWALK IN THE DRIVEWAY AREA SHALL BE THE SAME AS THE DRIVEWAY THICKNESS. SIDEWALK WILL BE PAID FOR AS P.C.C. SIDEWALK OF THE THICKNESS SPECIFIED. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.



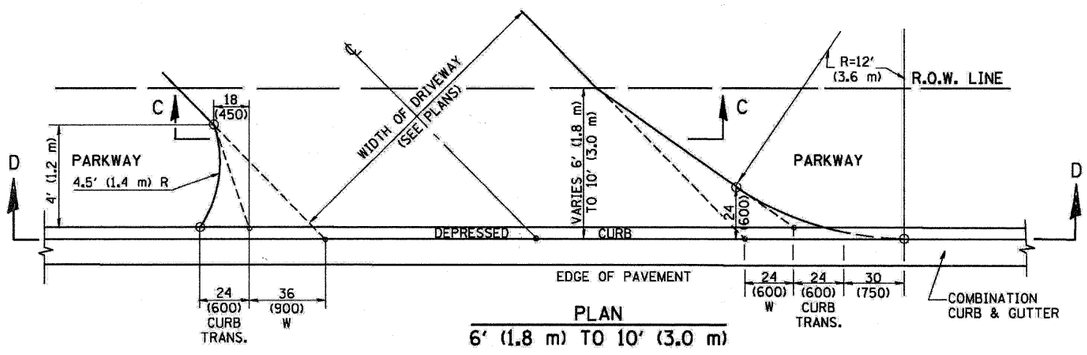
PLAN

10' (3.0 m) TO < 15' (4.5 m)



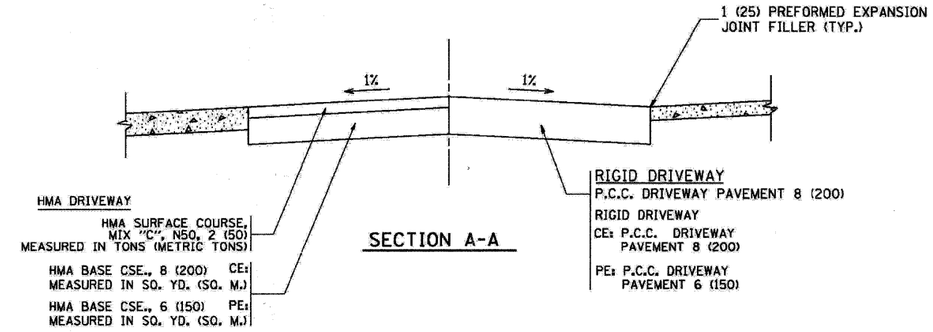
PLAN

6' (1.8 m) TO < 10' (3.0 m)

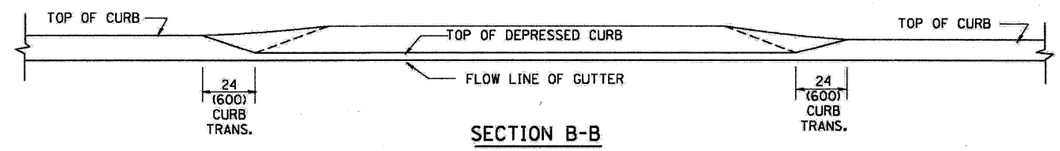


PLAN

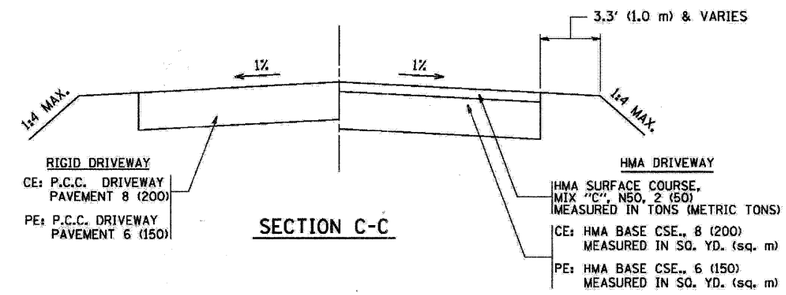
6' (1.8 m) TO 10' (3.0 m)



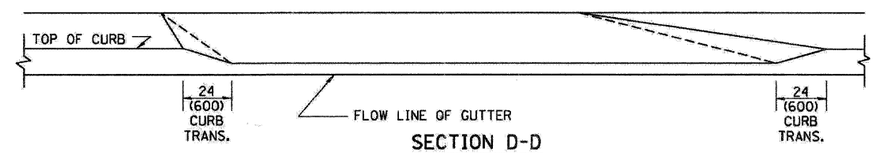
SECTION A-A



SECTION B-B



SECTION C-C



SECTION D-D

GENERAL NOTES

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATION 10 IN THE PERMIT HANDBOOK. WHERE SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED WITH RIGID PAVEMENT. WHERE NO SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED IN KIND. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

WHEN THE DISTANCE BETWEEN R.O.W. AND THE BACK OF CURB IS EQUAL TO OR LESS THAN 8' (2.4 m), THE P.C.C. SIDEWALK SHALL EXTEND TO THE BACK OF CURB.

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

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

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

"W" VARIES FROM 36 (900) TO 5' (1.5 m) PROPORTIONAL TO THE LENGTH (L), FROM 6' (1.8 m) TO 10' (3 m).

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

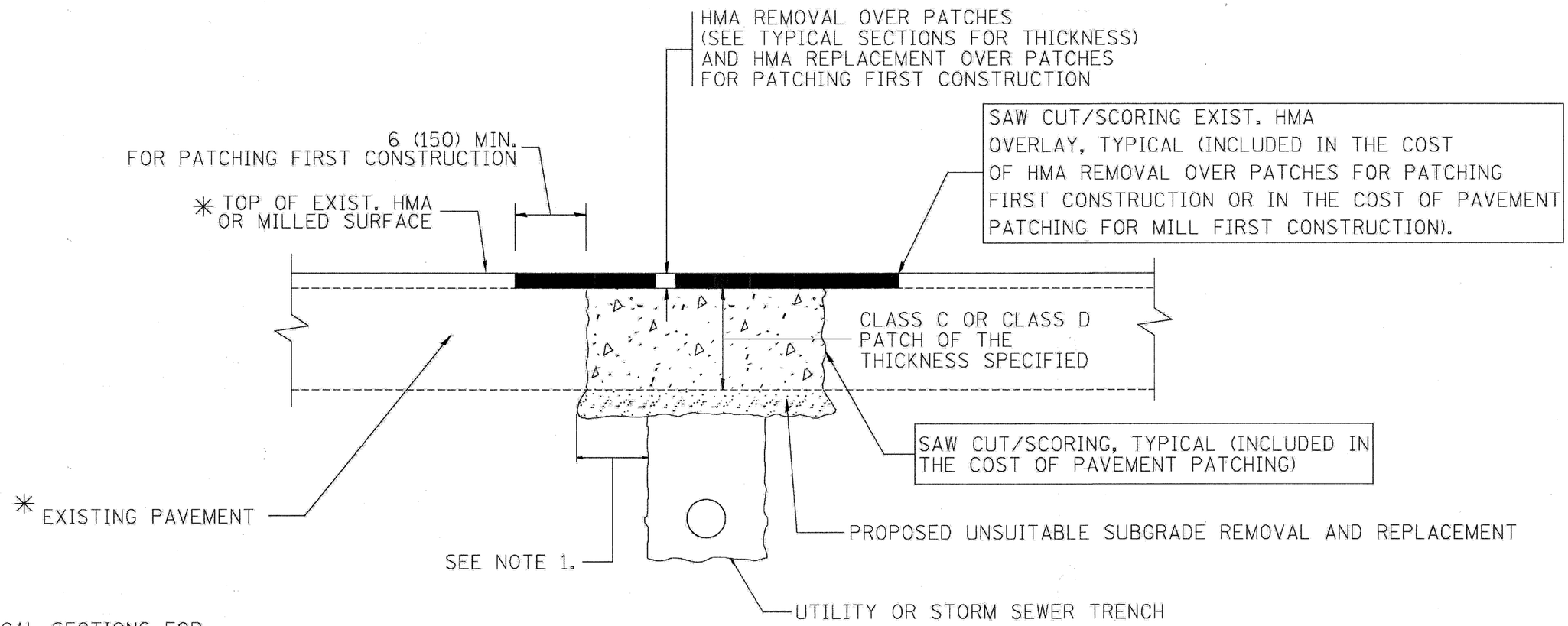
FILE NAME = W:\diststd\22x34\bd02.dgn	USER NAME = gaglianobt	DESIGNED - R. SHAH	REVISED - T. HOLTZ 04-08-97
		DRAWN -	REVISED - M. GOMEZ 04-06-01
	PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED - P. LaFLEUR 04-15-03
	PLOT DATE = 1/4/2008	DATE - 11-06-95	REVISED - R. BORO 01-01-07

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRIVEWAY DETAILS
DISTANCE BETWEEN ROW AND FACE OF CURB < 15' (4.5 m)

SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. 63+19.78 TO STA. 116+71.35

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2652	00-00070-00-PV	DuPAGE	160	81
	BD400-02 (BD-02)	CONTRACT NO. 63379		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

NOTES:

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

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

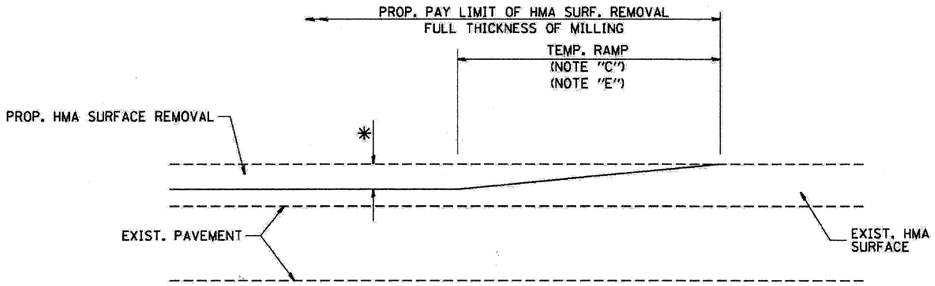
1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

1. MILL HMA FIRST IF THERE IS AT LEAST 4½ INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

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

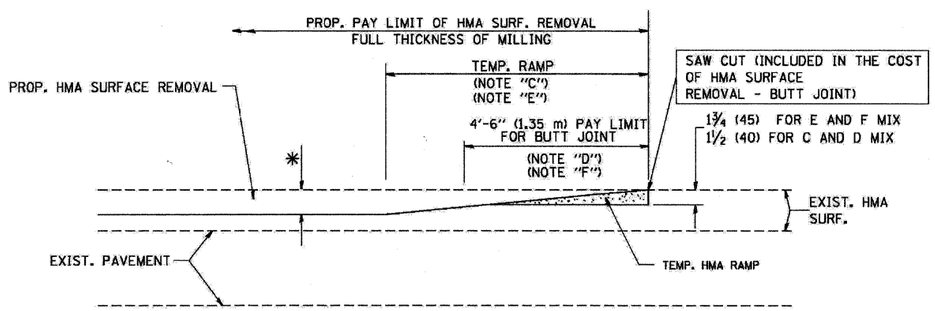
FILE NAME = c:\projects\distatd22x34\bd22.dgn	USER NAME = bauerdl	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT				F.A. U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED - R. BORO 01-01-07						2652	00-00070-00-PV	DuPAGE	160	82
	PLOT SCALE = 50.000 ' / IN.	CHECKED -	REVISED - R. BORO 09-04-07						BD400-04 (BD-22)		CONTRACT NO. 63379		
	PLOT DATE = 10/27/2008	DATE - 10-25-94	REVISED - K. ENG 10-27-08		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. 63+19.78	TO STA. 116+71.35	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



MILLED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

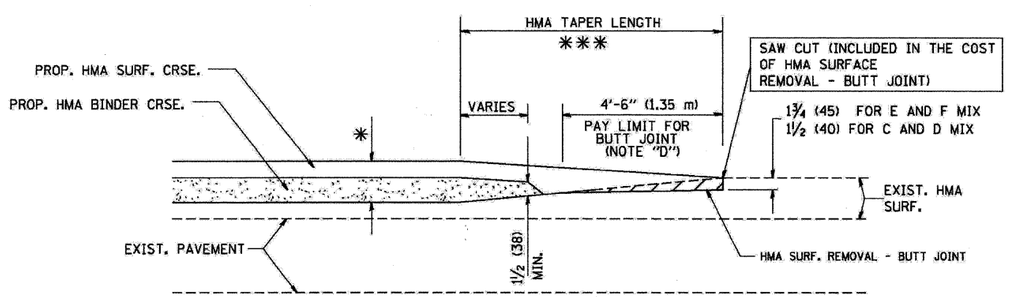


HMA CONSTRUCTED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

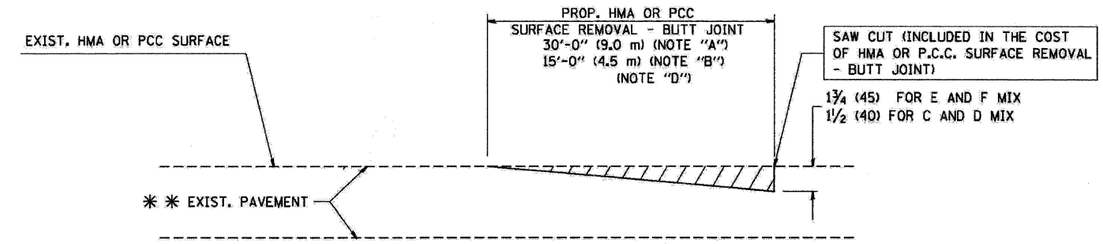
OPTION 2

TYPICAL TEMPORARY RAMP

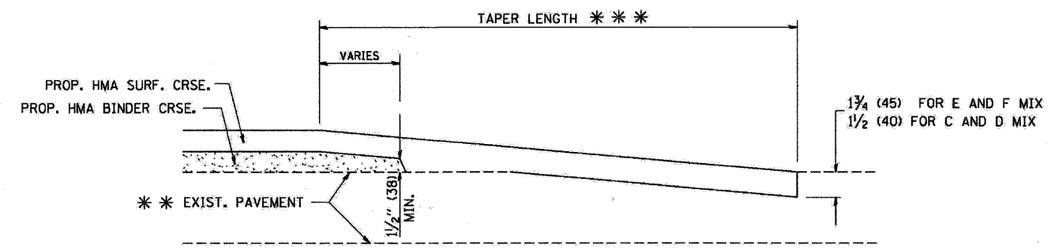


BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

NOTES

A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.

B: MINOR SIDE ROADS.

C: THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.

D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.

E: TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.

F: INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT

G: SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".

* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.

*** 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT:

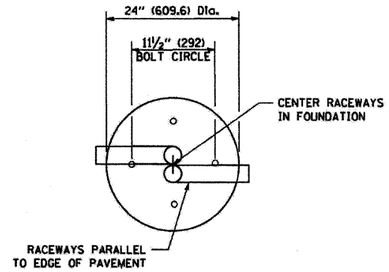
THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL- BUTT JOINT".

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

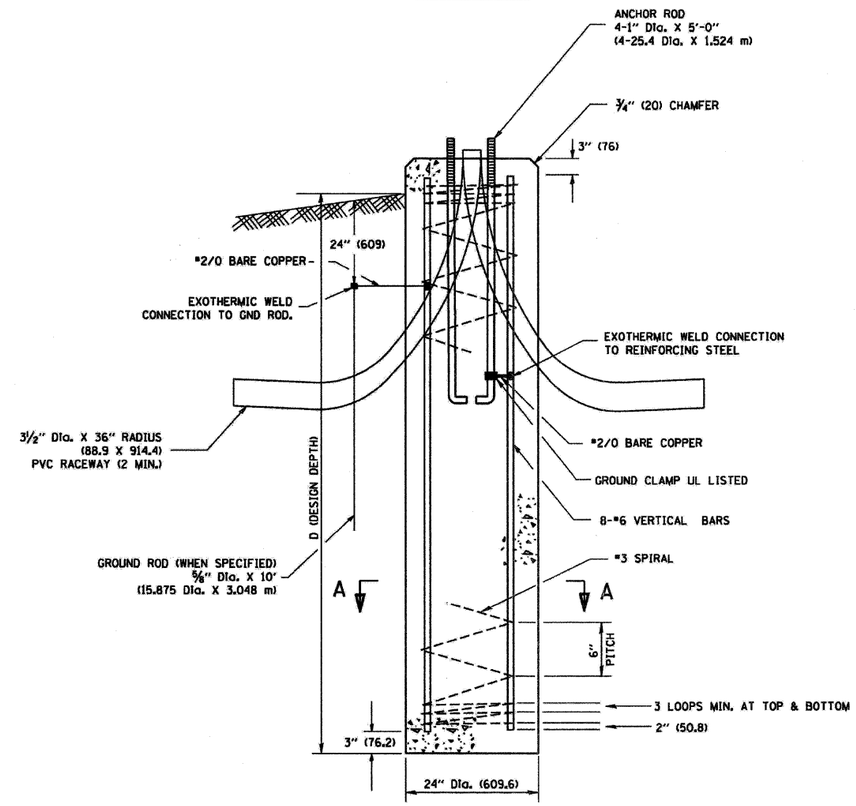
FILE NAME = W:\diststd\22x34\bd32.dgn	USER NAME = gaglianobt	DESIGNED - M. DE YONG	REVISED - R. SHAH 10-25-94	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BUTT JOINT AND HMA TAPER DETAILS				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED - A. ABBAS 03-21-97						2652	00-00070-00-PV	DuPAGE	160	83
	PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED - M. GOMEZ 04-06-01						BD400-05 BD32		CONTRACT NO. 63379		
	PLOT DATE = 1/4/2008	DATE - 06-13-90	REVISED - R. BORO 01-01-07		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. 63+19.78	TO STA. 116+71.35	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

LIGHT POLE FOUNDATION DEPTH TABLE
30 FT. (9.144 m) TO 35 FT. (10.668 m) MOUNTING HEIGHT

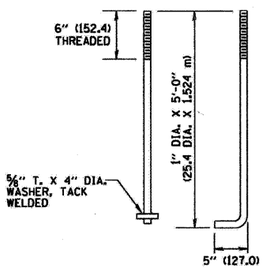
SOIL CONDITIONS	DESIGN DEPTH "D" OF FOUNDATION	
	SINGLE ARM POLE	TWIN ARM POLE
SOFT CLAY Qu = 0.375 TON/SQ. FT.	11'-0" (3.35 m)	12'-8" (3.85 m)
MEDIUM CLAY Qu = 0.75 TON/SQ.FT	9'-0" (2.74 m)	14'-10" (4.52 m)
STIFF CLAY Qu = 1.50 TON/SQ. FT.	7'-6" (2.29 m)	8'-7" (2.61 m)
LOOSE SAND Ø = 34°	9'-6" (2.90 m)	10'-7" (3.22 m)
MEDIUM SAND Ø = 37.5°	9'-0" (2.74 m)	9'-10" (2.99 m)
DENSE SAND Ø = 40°	8'-3" (2.51 m)	9'-7" (2.91 m)



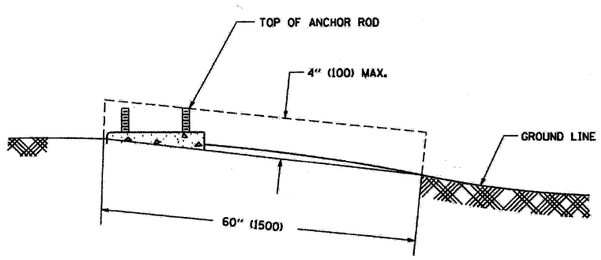
TOP VIEW



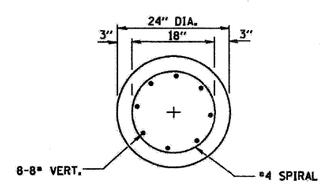
FOUNDATION DETAIL



ANCHOR BOLT DETAIL



FOUNDATION EXTENSION DETAIL



SECTION A-A

NOTES

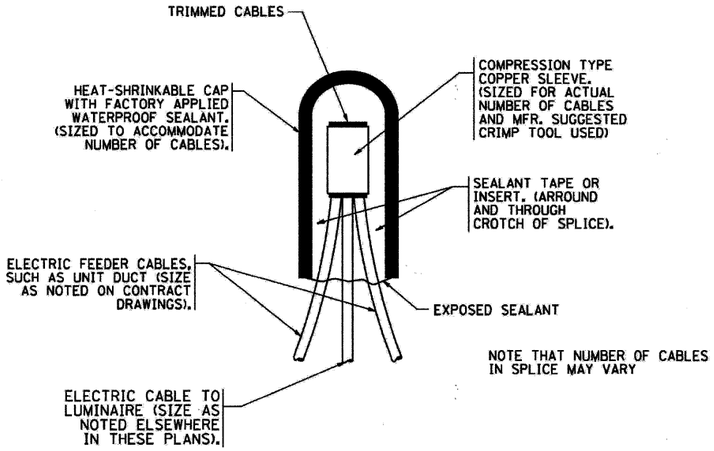
1. ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
2. THE ANCHOR RODS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IN PLACED.
3. THE FOUNDATION SHALL NOT PROTRUDE MORE THAN 4 IN. (100 mm) ABOVE THE FINISHED GRADE WITHIN A 60 IN. (1.5 m) CHORD ACROSS THE FOUNDATION, WITH ANCHOR RODS INCLUDED, IN ACCORDANCE WITH AASHTO GUIDELINES. IF THE FOUNDATION HEIGHT, INCLUDING ANCHOR RODS, EXTENDS BEYOND THESE SPECIFIED LIMITS, THE FOUNDATION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. SEE FOUNDATION EXTENSION DETAIL.
4. THE HOLE FOR THE FOUNDATION SHALL BE MADE BY DRILLING WITH AN AUGER, OF THE SAME DIAMETER AS THE FOUNDATION. IF SOIL CONDITIONS REQUIRE THE USE OF A LINER TO FORM THE HOLE, THE LINER SHALL BE WITHDRAWN AS THE CONCRETE IS DEPOSITED.
5. THE TOP OF THE FOUNDATION SHALL BE CONSTRUCTED LEVEL. A LINER OR FORM SHALL BE USED TO PRODUCE A UNIFORM SMOOTH SIDE TO THE TOP OF THE FOUNDATION. FOUNDATION TOP SHALL BE CHAMFERED ¾-IN. (20 mm).
6. THE CONCRETE SHALL BE CLASS SI. CONCRETE SHALL CURE ACCORDING TO ARTICLE 1020.13 BEFORE LIGHT POLES ARE INSTALLED.
7. THE ANCHOR ROD SHALL BE A HOOK ROD TYPE. COLD BENDING OF THE ANCHOR ROD WILL NOT BE ALLOWED. THE RADIUS OF THE HOOK BEND SHALL NOT BE LESS THAN 4 TIMES THE NOMINAL DIAMETER OF THE ANCHOR ROD. A TACK WELDED ANCHOR ROD MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ENGINEER.
8. THE ANCHOR RODS SHALL BE ACCORDING TO ASTM F1554 GRADE 725 (GRADE 105). NUTS SHALL BE HEXAGON NUTS ACCORDING TO ASTM A 194 2H OR ASTM A 563 DH, AND WASHERS SHALL BE ACCORDING TO ASTM F 436.
9. ANCHOR RODS, NUTS AND WASHERS SHALL BE COMPLETELY GALVANIZED BY EITHER THE HOT-DIPPED PROCESS CONFORMING WITH AASHTO M 232, THE MECHANICAL PLATING METHOD CONFORMING TO AASHTO M 298, CLASS 50 WITH A MAXIMUM COATING THICKNESS OF 150 UM(6 MILS) OR THE ELECTROLYTIC PROCESS ACCORDING TO ASTM F 1136.
10. THE ANCHOR RODS SHALL BE THREADED A MINIMUM OF 6 INCHES (150 mm) WITH A MINIMUM OF 3 INCHES (75 mm) OF THREADED ANCHOR ROD EMBEDDED IN THE FOUNDATION.
11. ANCHOR RODS SHALL PROJECT 2¾" (69.9 mm) ABOVE THE TOP OF THE FOUNDATION. IF BREAKAWAY COUPLINGS ARE SPECIFIED, THE CONTRACTOR SHALL CAREFULLY COORDINATE THE ANCHOR ROD PROJECTION WITH THE INSTALLATION REQUIREMENTS OF THE BREAKAWAY COUPLINGS.
12. THE CONTRACTOR SHALL USE A #3 SPIRAL AT 6" (152.4 mm) PITCH OR MAY SUBSTITUTE #3 TIES AT 12" (304.8 mm) O.C. WITH THE APPROVAL OF THE ENGINEER.
13. THE CABLE TRENCHES AND FOUNDATION SHALL BE BACK FILLED AND COMPACTED AS SPECIFIED BEFORE THE LIGHT POLE IS ERECTED.
14. THE RACEWAYS SHALL PROJECT 1" (25.4 mm) ABOVE THE TOP OF THE FOUNDATION.

FILE NAME = W:\distatd\22x34\be300.dgn	USER NAME = gaglsnobt	DESIGNED -	REVISED - D. SIMON 4/93	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
		DRAWN -	REVISED - D.DREW 6/15/93	
	PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED - D.DREW 12/18/02	
	PLOT DATE = 1/4/2008	DATE -	REVISED -	

LIGHT POLE FOUNDATION
30' (9.144 m) TO 35' (10.668 m) M.H. 11 1/2" (292 mm) BOLT CIRCLE

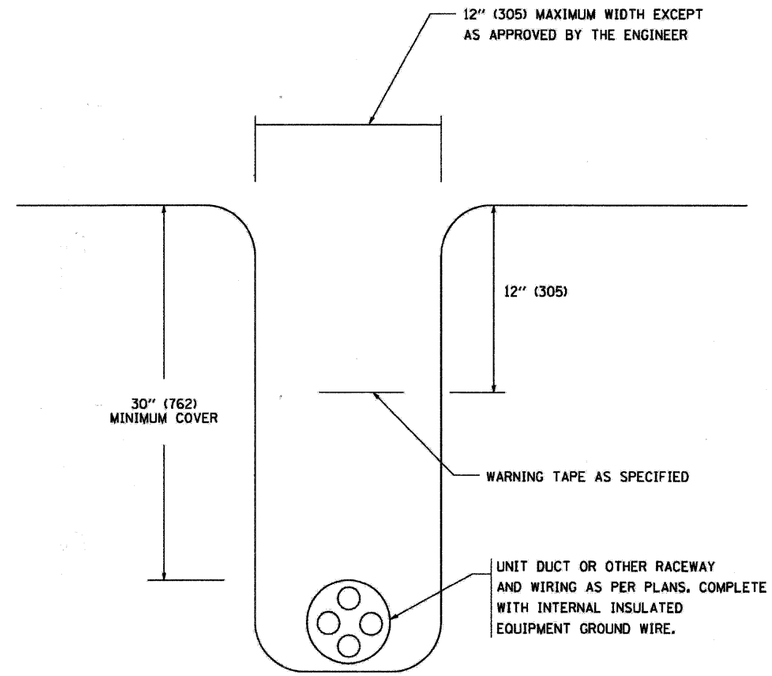
SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. 63+19.78 TO STA. 116+71.35

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2652	00-00070-00-PV	DuPAGE	160	84
	BE-300	CONTRACT NO. 63379		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



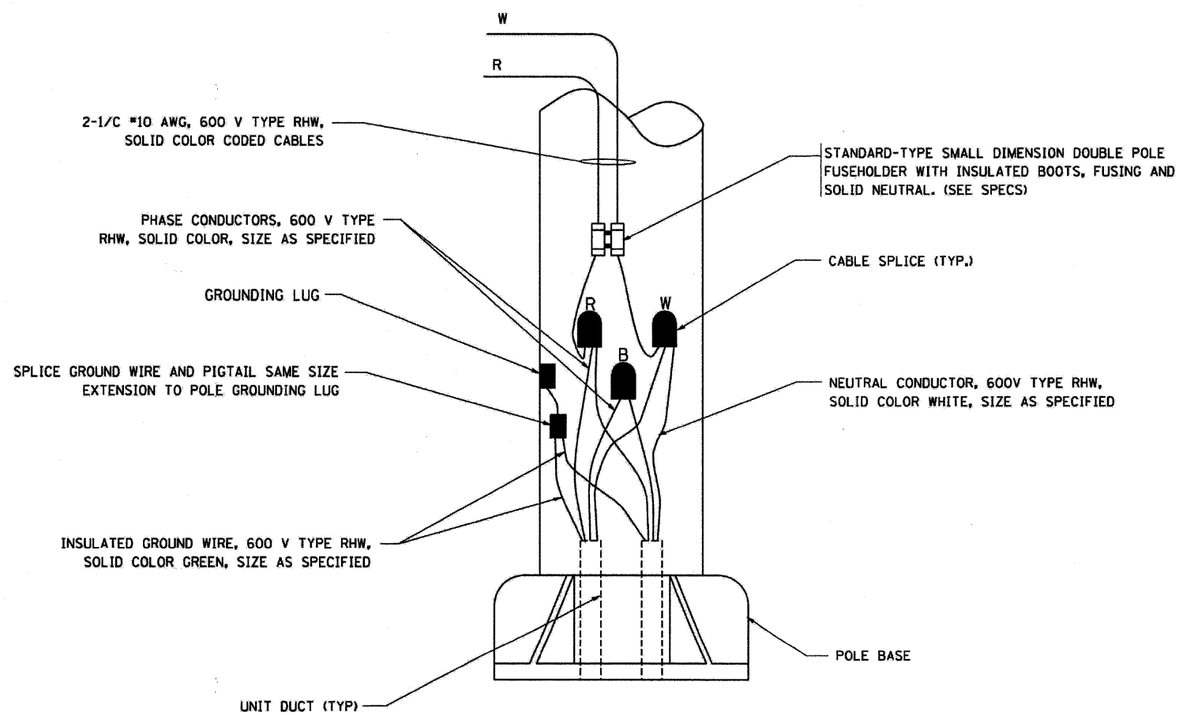
TYPICAL SPLICE DETAIL

N.T.S.



TYPICAL WIRING IN TRENCH DETAIL

N.T.S.



POLE WIRING DETAIL

N.T.S.

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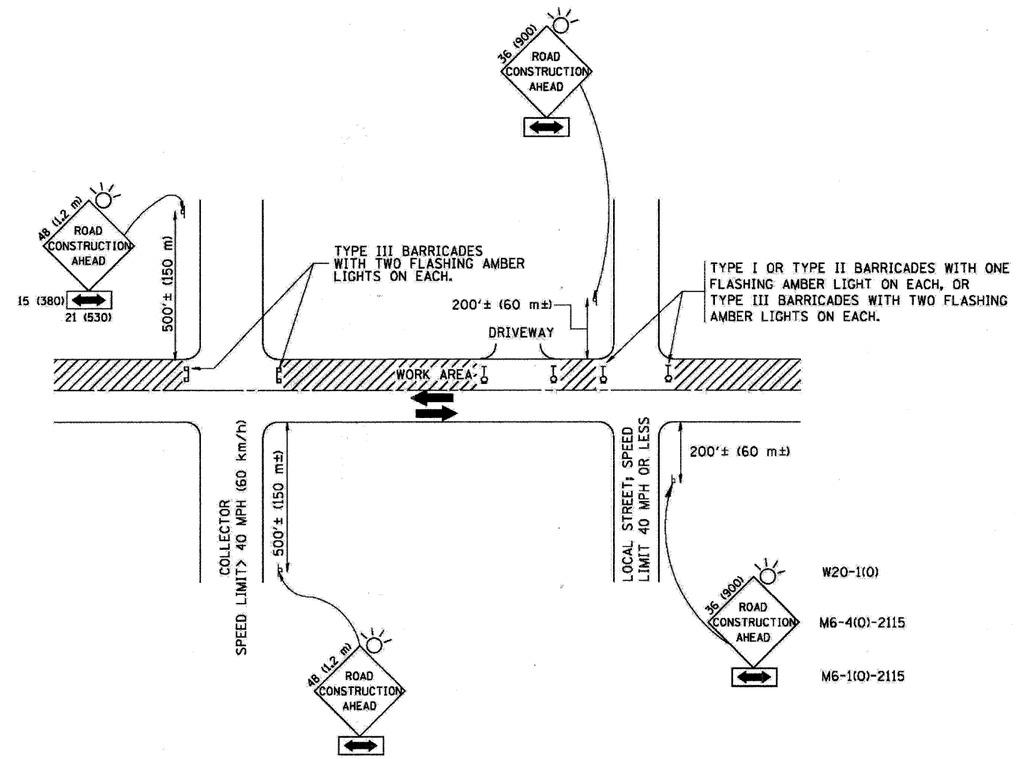

TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

NOTES:

A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:

   a) ONE **ROAD CONSTRUCTION AHEAD** SIGN 36 x 36 (900x900) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.

   b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.

2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:

   a) ONE **ROAD CONSTRUCTION AHEAD** SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.

   b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.

3. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).

B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:

USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.

C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.

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

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

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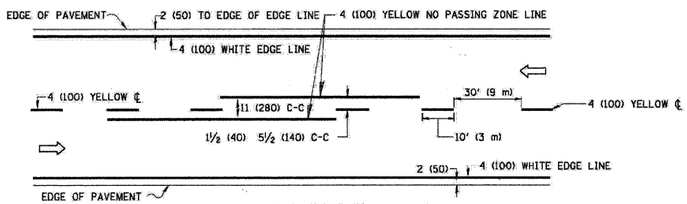
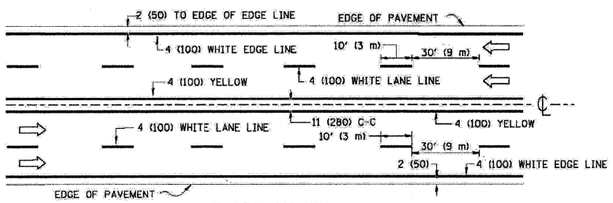
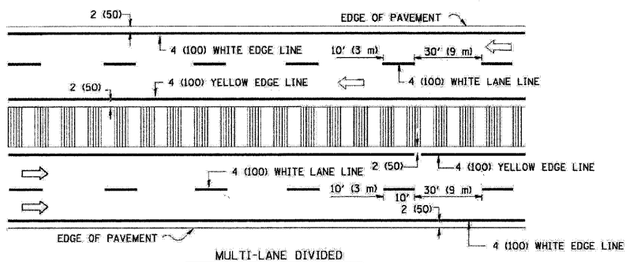
	PLOT DATE = 1/4/2008	DATE - 06-89	REVISED -T. RAMMACHER 01-06-00		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. 63+19.78 TO STA. 116+71.35	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	



2-LANE ROADWAY



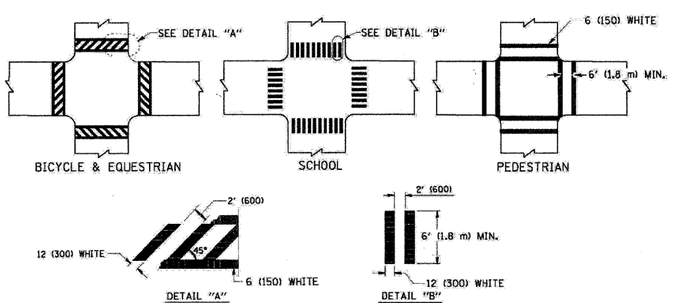
MULTI-LANE UNDIVIDED



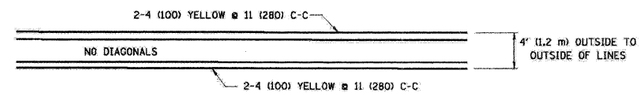
MULTI-LANE DIVIDED
WITH MOUNTABLE MEDIAN

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

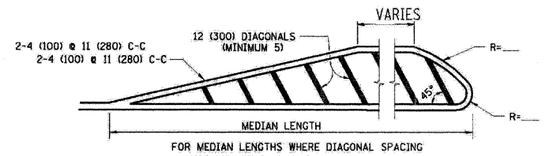
TYPICAL LANE AND EDGE LINE MARKING



TYPICAL CROSSWALK MARKING



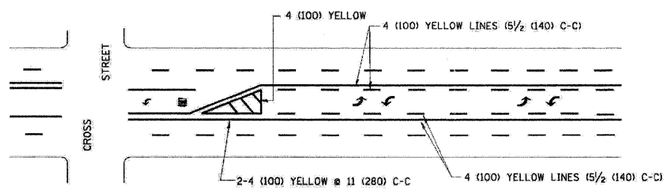
4' (1.2 m) WIDE MEDIANS ONLY



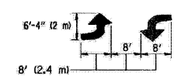
FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h))
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

MEDIANS OVER 4' (1.2 m) WIDE

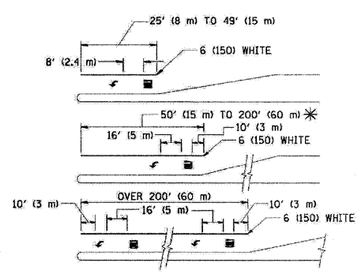


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

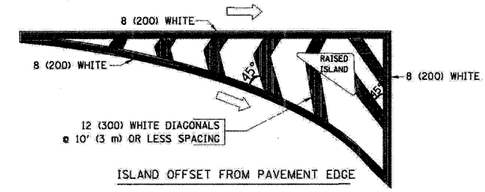


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
↰ AREA = 15.6 SQ. FT. (1.5 m^2) ONLY AREA = 20.8 SQ. FT. (1.9 m^2)

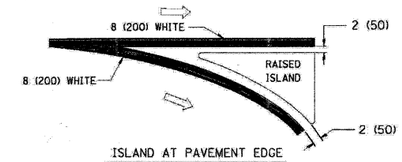
✳ TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING



ISLAND OFFSET FROM PAVEMENT EDGE



ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5½ (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5½ (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m^2) EACH "X"=54.0 SQ. FT. (5.0 m^2)
SHOULDER DIAGONALS	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

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

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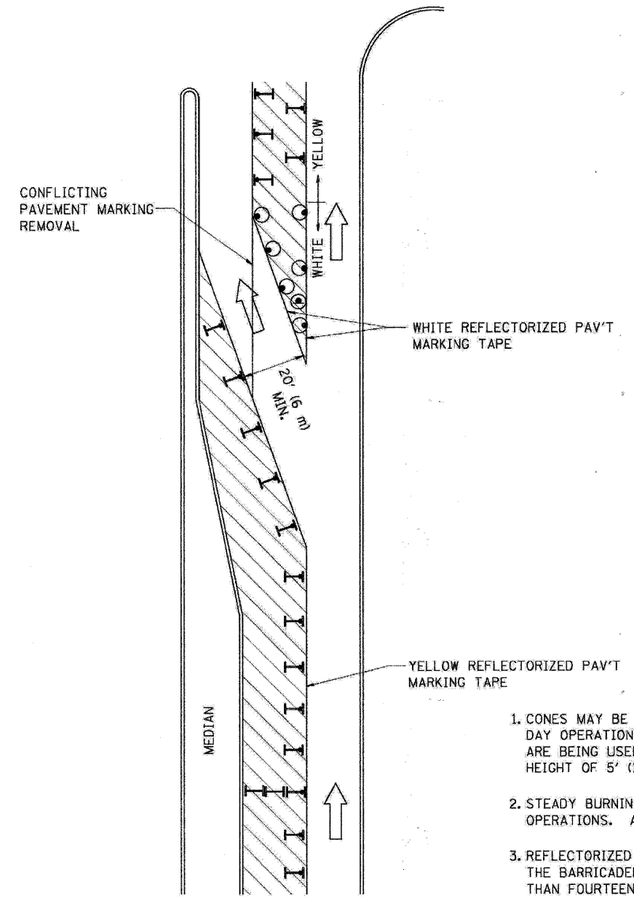
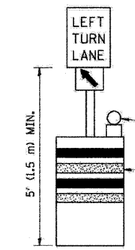
	PLOT SCALE = 50.000 ' / IN.	CHECKED -	REVISED -							TC-13	CONTRACT NO. 63379		
	PLOT DATE = 9/9/2009	DATE - 03-19-90	REVISED -		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. 63+19.78	TO STA. 116+71.35	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		





R 3-I100L 24 x 24 (600 x 600)

M6-2L 21 x 15 (530 x 380)

OPTIONAL FLASHING LIGHT

STANDARD 701901
SEE NOTE 8

GENERAL NOTES

1. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT. WHEN CONES ARE BEING USED, THE "LEFT TURN LANE" SIGN MAY BE SKID MOUNTED AT A MINIMUM HEIGHT OF 5' (1.5 m).
2. STEADY BURNING LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
3. REFLECTORIZED TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE BARRICADED AREA OF EACH TURN BAY WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS.
4. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-100 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
5. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
6. LONGITUDINAL DIMENSIONS MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
7. FORM OPER 725 IS REQUIRED.
8. IF A DRUM OR TYPE II BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 REQUIREMENTS IS NOT AVAILABLE, THE SIGNS SHALL BE MOUNTED, ABOVE THE BARRICADES, ON SEPARATE SIGNS SUPPORTS THAT MEET NCHR 350 PREQUIREMENTS.
9. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

LEGEND

WORK AREA

LANE OPEN TO TRAFFIC

TYPE I OR II BARRICADE WITH STEADY BURN LIGHT

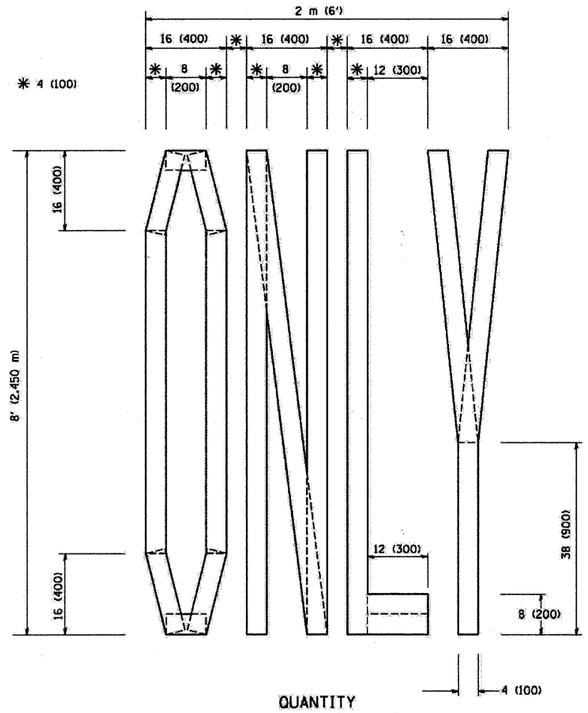
DRUM WITH STEADY BURN LIGHT

DRUM WITH SIGN (WITH OPTIONAL FLASHING LIGHT) SEE DETAIL

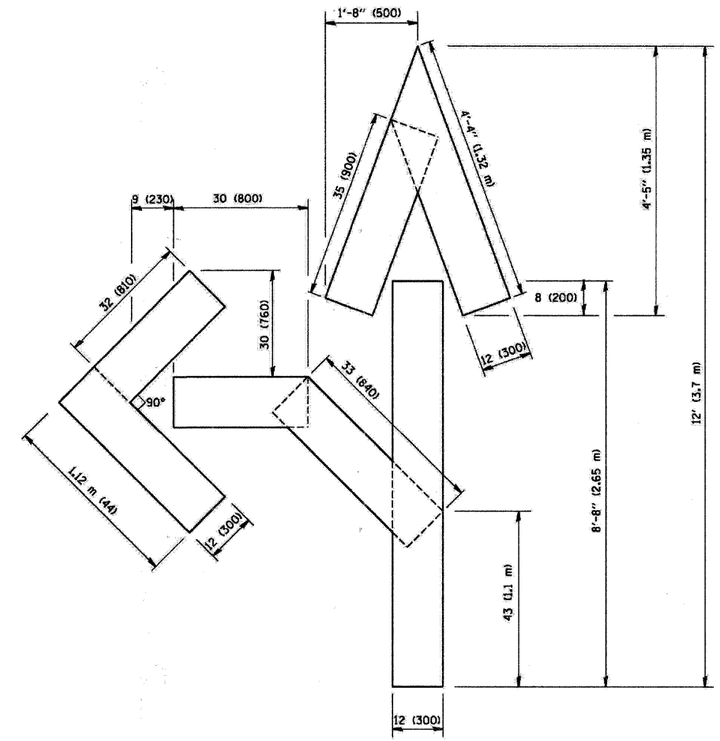
TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

FILE NAME = c:\pw_work\PWIDOT\DRIVAKOSGN\d0108316\tc14.dgn	USER NAME = drivakosgn	REVISED -T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)
		REVISED - A. HOUSEH 11-07-95	REVISED -		
	PLOT SCALE = 49.9999 ' / IN.	REVISED - A. HOUSEH 10-12-96	REVISED -		
	PLOT DATE = 9/14/2009	REVISED -T. RAMMACHER 01-06-00	REVISED -		SCALE: NONE / SHEET NO. 1 OF 1 SHEETS / STA. 63+19.78 TO STA. 116+71.35

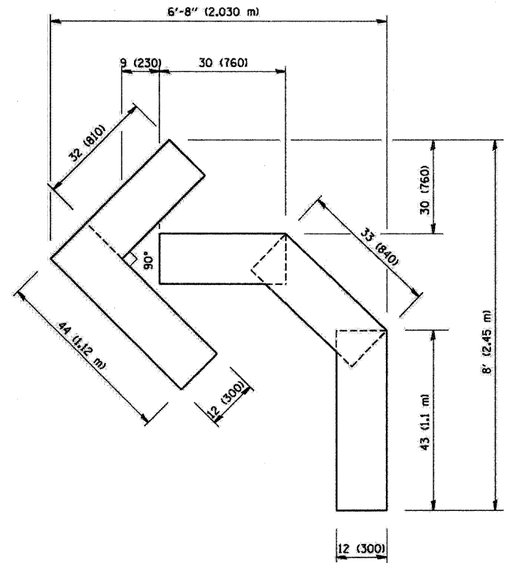
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2652	00-00070-00-PV	DuPAGE	160	88
TC-14		CONTRACT NO. 63379		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



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



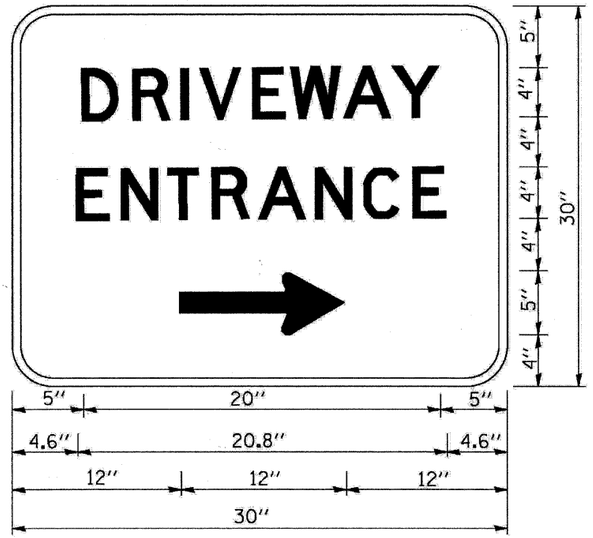
QUANTITY
4 (100) LINE = 82.5 ft. (25.3 m)
27.5 sq. ft. (2.53 sq. m)



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

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

FILE NAME = W:\diststd\22x34\tc16.dgn	USER NAME = gaglianobt	DESIGNED -	REVISED -T. RAMMACHER 06-05-96	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING			F.A. U. RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
		DRAWN -	REVISED -T. RAMMACHER 11-04-97					2652	00-00070-00-PV	DuPAGE	160 / 89
	PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED -T. RAMMACHER 03-02-98						TC-16	CONTRACT NO. 63379	
	PLOT DATE = 1/4/2008	DATE - 09-18-94	REVISED -E. GOMEZ 08-28-00		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. 63+19.78 TO STA. 116+71.35	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	



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

NOTES:

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

LOOP DETECTOR NOTES

1. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NONMETALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). EMPTY COILABLE NONMETALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.

2. THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.

3. EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.

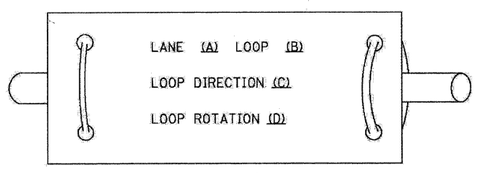
4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.

5. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVEHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.

6. LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.

7. PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

LOOP LEAD-IN CABLE TAG

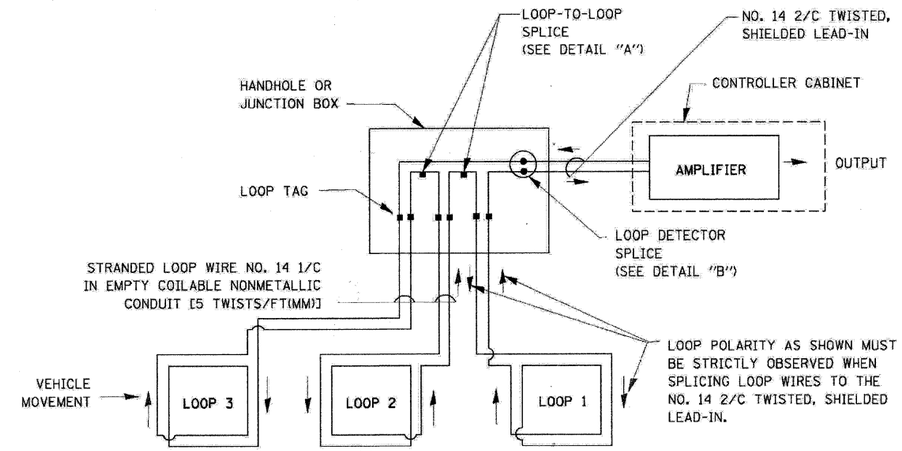


A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY

B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.

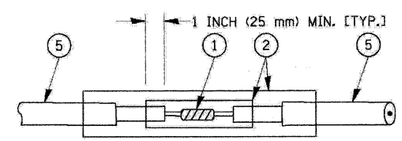
C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".

D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

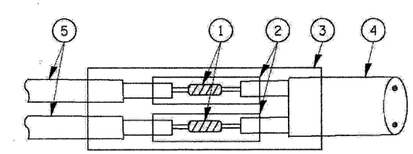


DETECTOR LOOP WIRING SCHEMATIC

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

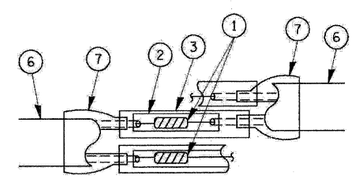


DETAIL "A"
LOOP-TO-LOOP SPLICE

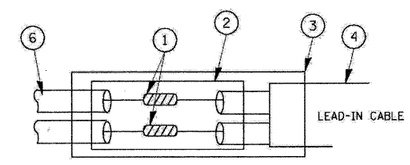


DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE

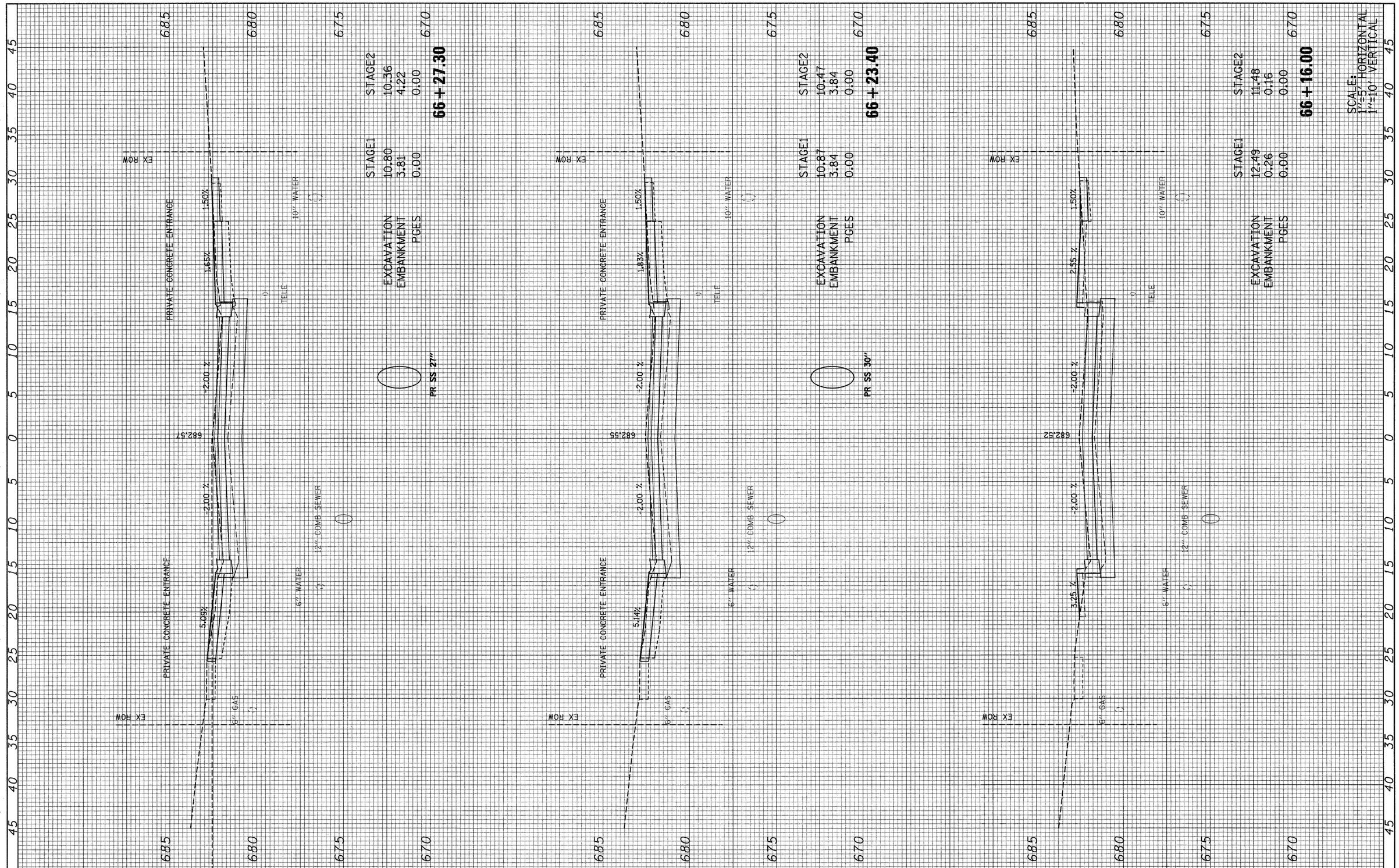


DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

PRE-FORMED LOOP

LOOP DETECTOR SPLICE

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



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

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AREAS CHECKED		
NOTE BOOK NO.		

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	PLOT DATE = 6/15/2010	DATE - .	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

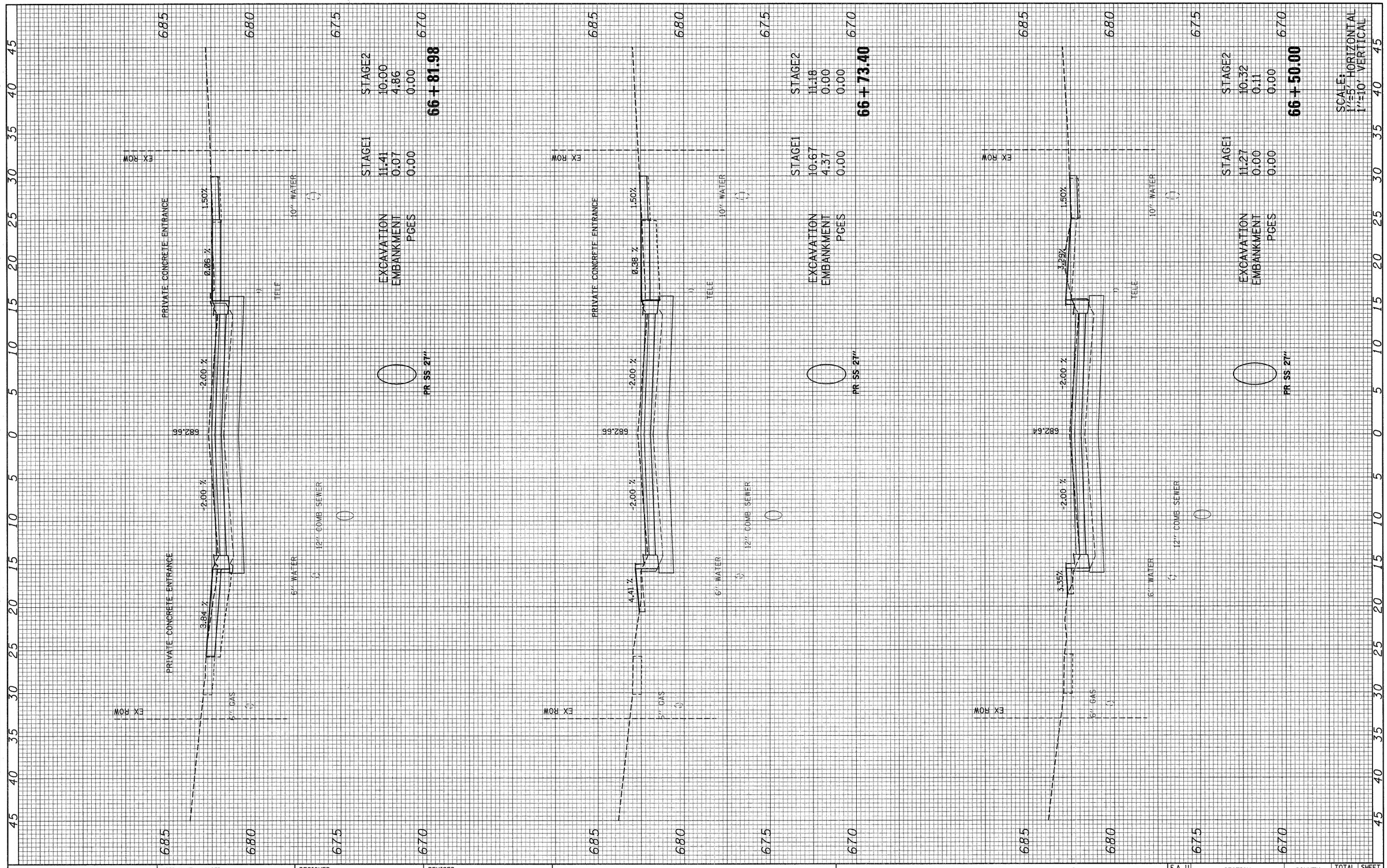
S. VILLA AVE – CROSS SECTION

SCALE: AS NOTED | SHEET NO. 1 OF 69 SHEETS | STA. 66+16.00 TO STA. 66+27.30

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2652	00-00070-00-PV	DuPAGE	160	92

CONTRACT NO. 63379

ILLINOIS FED. AID PROJECT



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NOTE BOOK NO.		

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	PLOT DATE = 6/15/2010	DATE - .	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

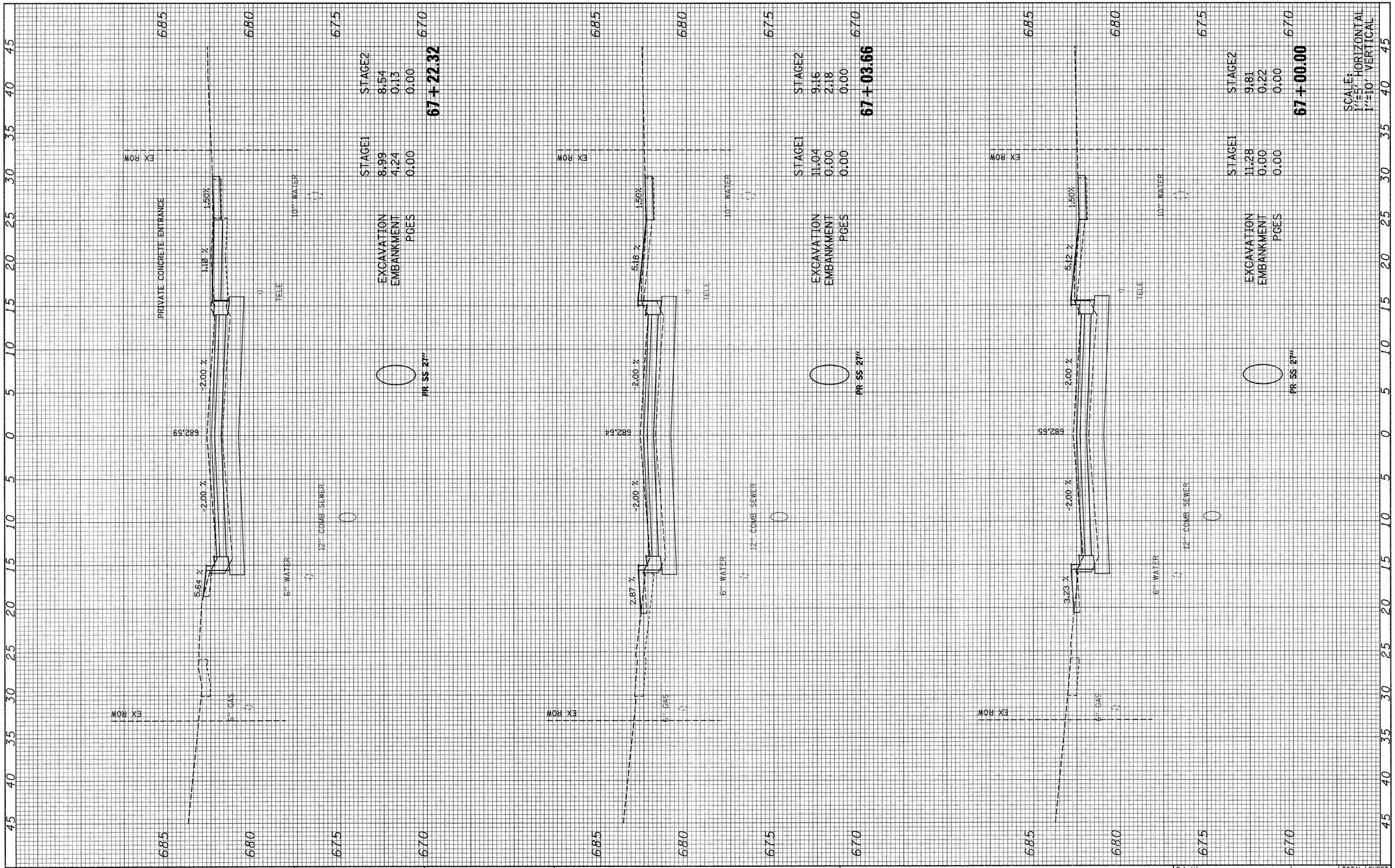
S. VILLA AVE - CROSS SECTION

SCALE: AS NOTED | SHEET NO. 2 OF 69 SHEETS | STA. 66+50.00 TO STA. 66+81.98

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2652	00-00070-00-PV	DuPAGE	160	93

CONTRACT NO. 63379

ILLINOIS FED. AID PROJECT



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NOTE BOOK NO.		

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AREAS CHECKED		
NOTE BOOK NO.		

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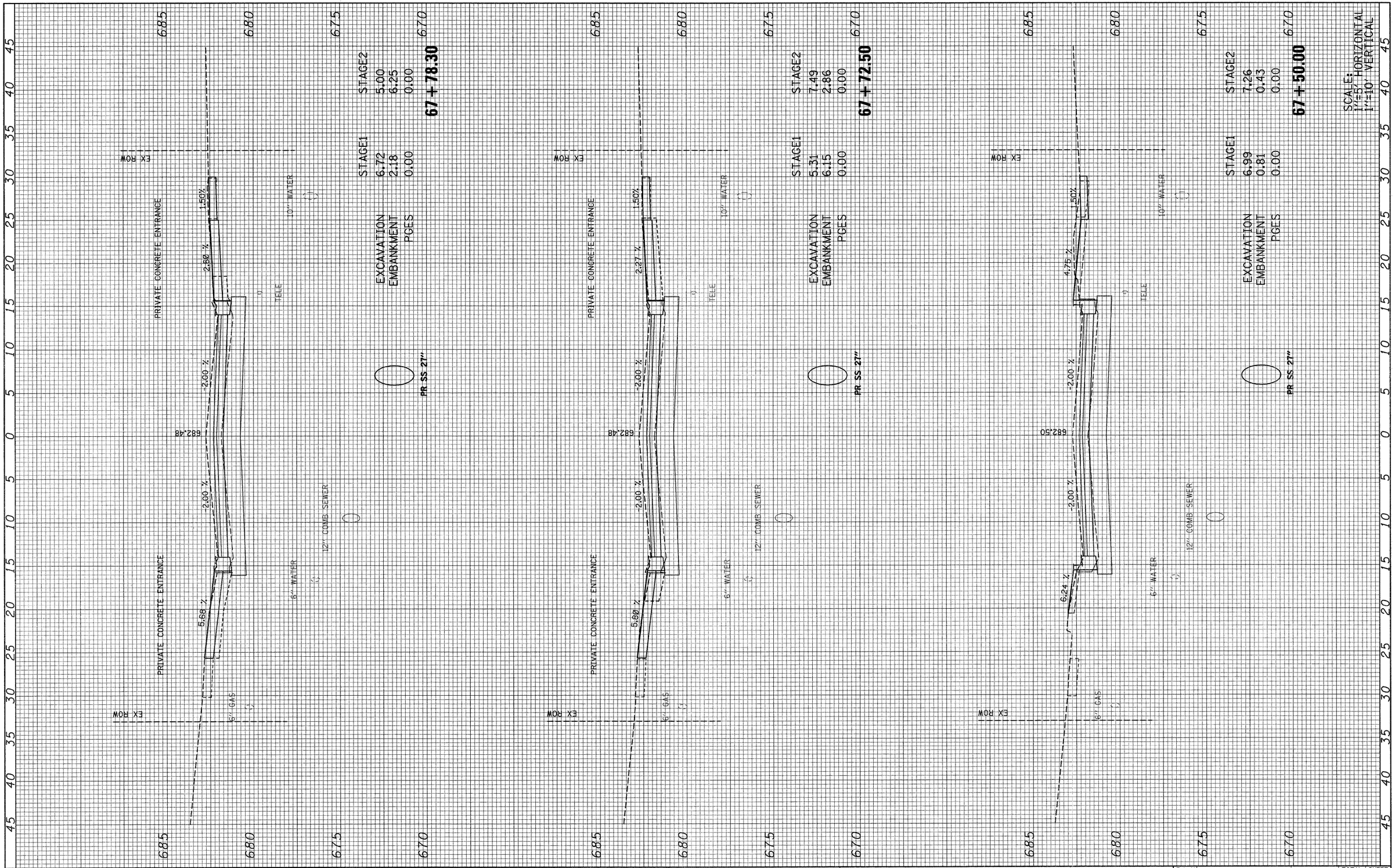
	PLOT DATE = 6/15/2010	DATE - .	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

S. VILLA AVE - CROSS SECTION

SCALE: AS NOTED | SHEET NO. 3 OF 69 SHEETS | STA. 67+00.00 TO STA. 67+22.32

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2652	00-00070-00-PV	DuPAGE	160	94
		CONTRACT NO. 63379		
		ILLINOIS FED. AID PROJECT		



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NOTE BOOK NO.		

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NOTE BOOK NO.		

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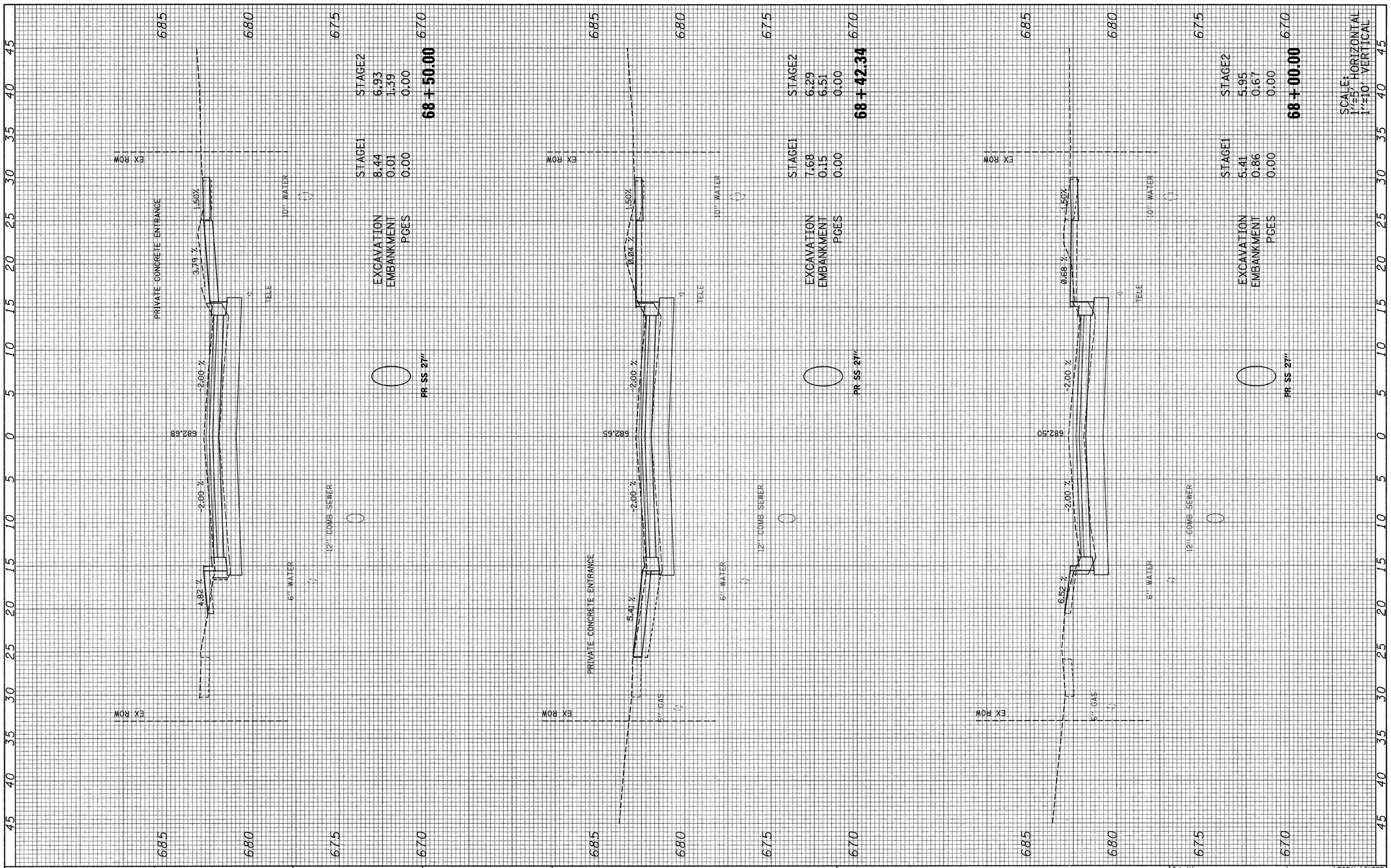
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

S. VILLA AVE – CROSS SECTION

SCALE: AS NOTED | SHEET NO. 4 OF 69 SHEETS | STA. 67+50.00 TO STA. 67+78.30

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2652	00-00070-00-PV	DuPAGE	160	95
		CONTRACT NO. 63379		
		ILLINOIS FED. AID PROJECT		



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AREAS CHECKED		
NOTE BOOK NO.		

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AREAS		
AREAS CHECKED		
NOTE BOOK NO.		

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	PLOT DATE = 6/15/2010	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

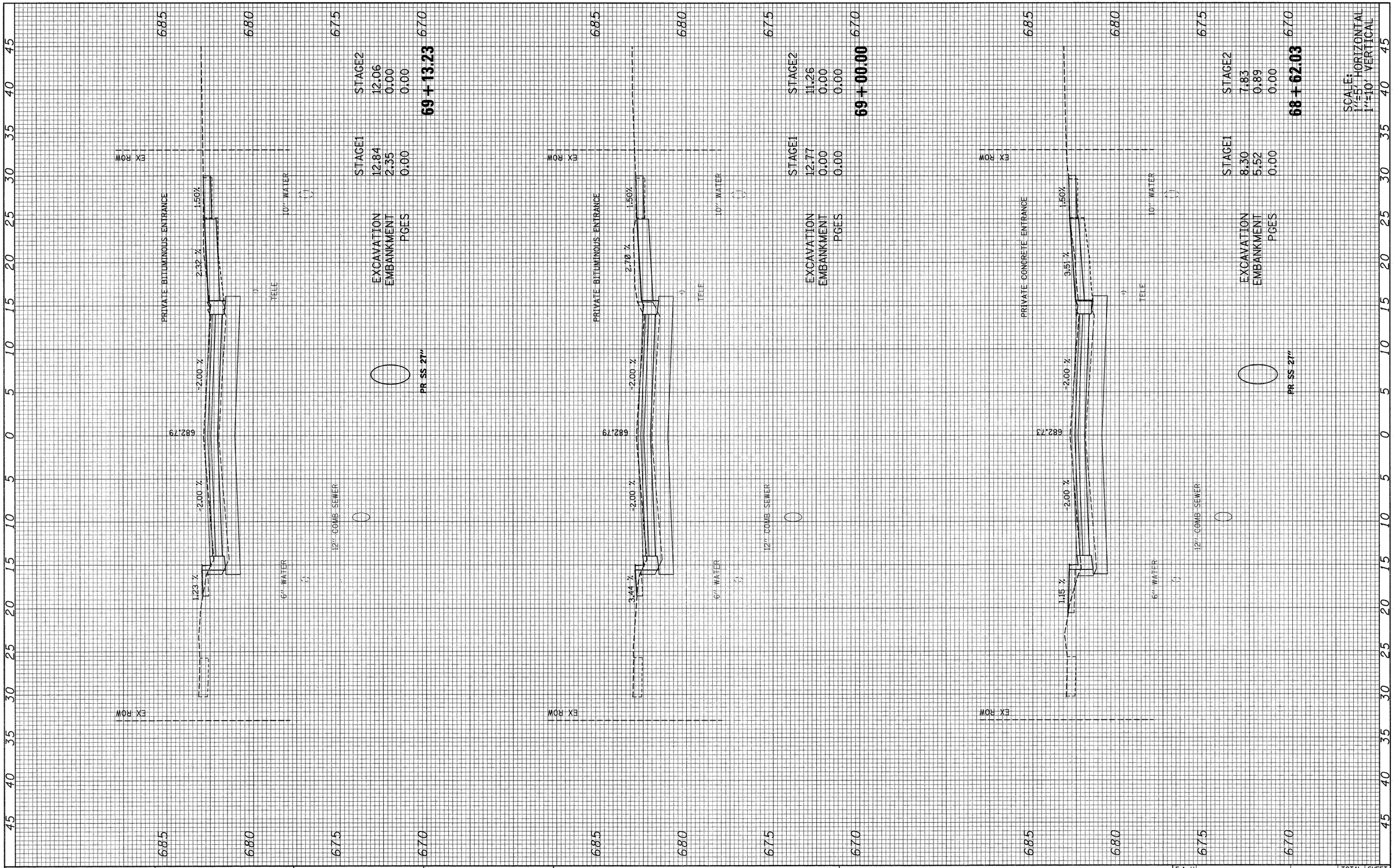
S. VILLA AVE - CROSS SECTION

SCALE: AS NOTED | SHEET NO. 5 OF 69 SHEETS | STA. 68+00.00 TO STA. 68+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2652	00-00070-00-PV	DuPAGE	160	96

CONTRACT NO. 63379

ILLINOIS FED. AID PROJECT



FINAL SURVEY		BY	DATE
NOTE BOOK NO.	SURVEYED		
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ORIGINAL SURVEY		BY	DATE
NOTE BOOK NO.	SURVEYED		
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

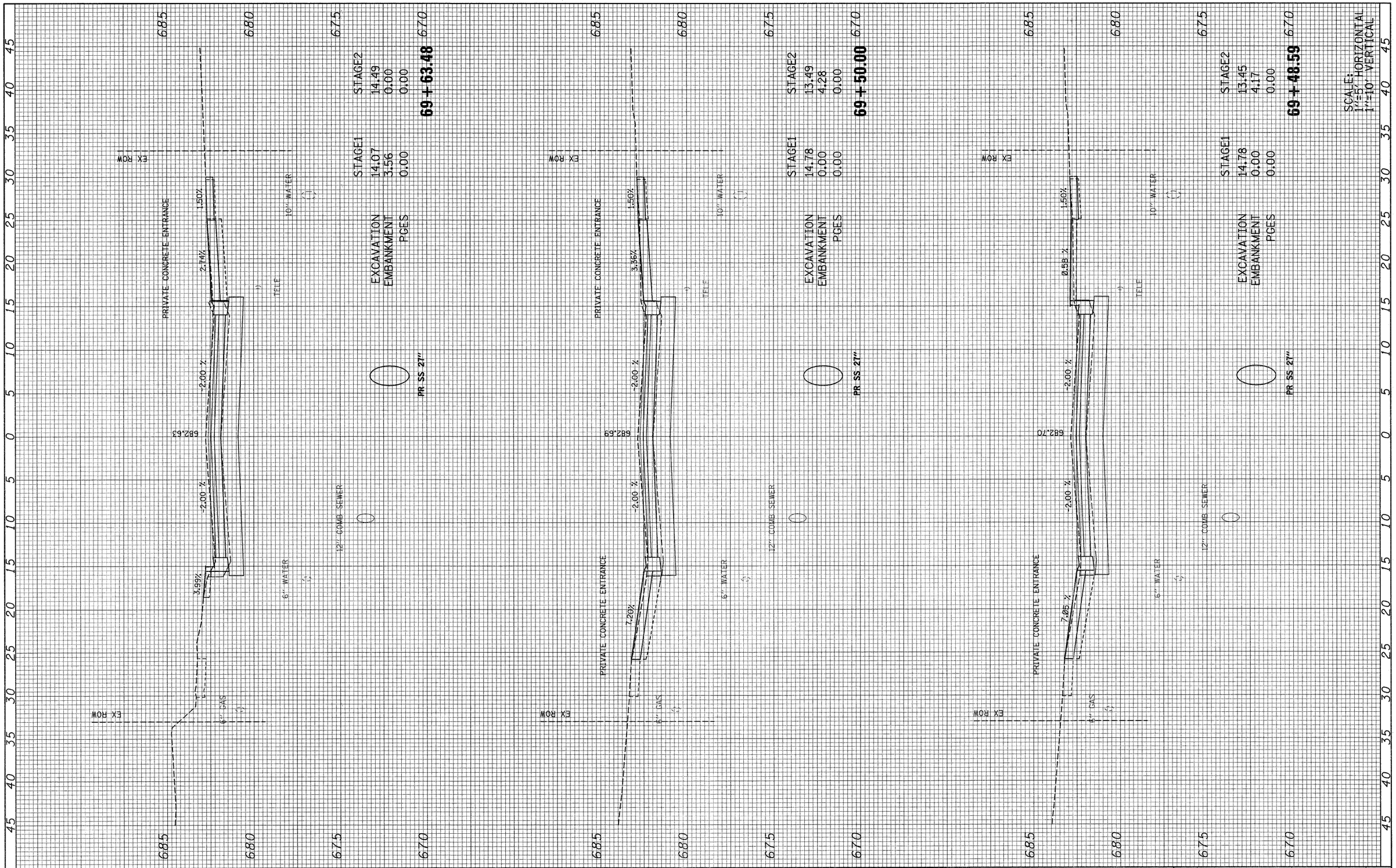
S. VILLA AVE – CROSS SECTION

SCALE: AS NOTED | SHEET NO. 6 OF 69 SHEETS | STA. 68+62.03 TO STA. 69+13.23

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2652	00-00070-00-PV	DuPAGE	160	97

CONTRACT NO. 63379

ILLINOIS FED. AID PROJECT



FINAL SURVEY	BY	DATE
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NOTE BOOK NO.

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NOTE BOOK NO.

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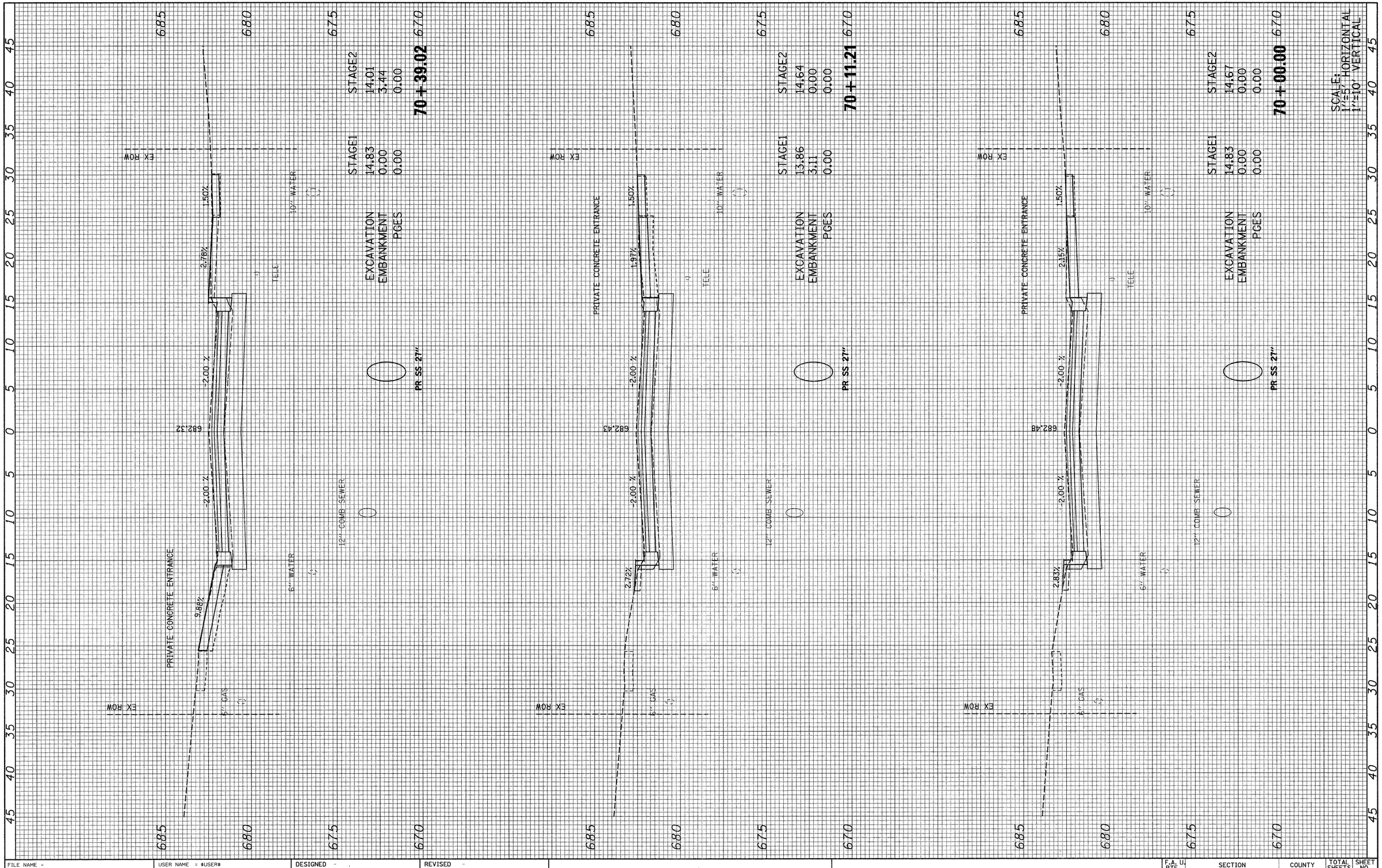
	PLOT DATE = 6/15/2010	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

S. VILLA AVE – CROSS SECTION

SCALE: AS NOTED | SHEET NO. 7 OF 69 SHEETS | STA. 69+48.59 TO STA. 69+63.48

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2652	00-00070-00-PV	DuPAGE	160	98
		CONTRACT NO. 63379		
		ILLINOIS FED. AID PROJECT		



FINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
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NO.	AREAS CHECKED		

ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
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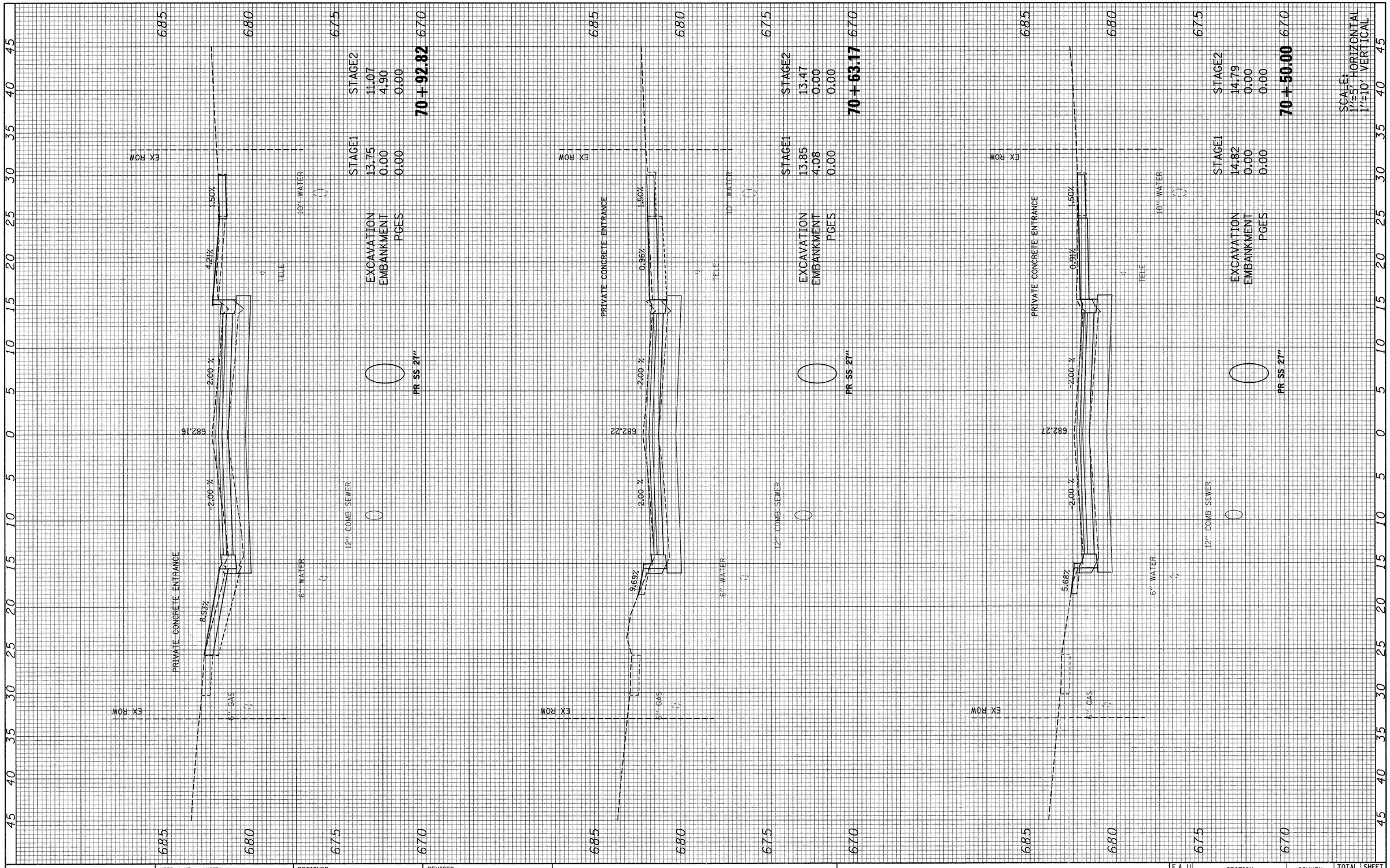
	PLOT DATE = 6/15/2010	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

S. VILLA AVE - CROSS SECTION

SCALE: AS NOTED | SHEET NO. 8 OF 69 SHEETS | STA. 70+00.00 TO STA. 70+39.02

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2652	00-00070-00-PV	DuPAGE	160	99
		CONTRACT NO. 63379		
		ILLINOIS FED. AID PROJECT		



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	PLOT DATE = 6/15/2010	DATE - .	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

S. VILLA AVE – CROSS SECTION

SCALE: AS NOTED | SHEET NO. 9 OF 69 SHEETS | STA. 70+50.00 TO STA. 70+92.82

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2652	00-00070-00-PV	DuPAGE	160	100

CONTRACT NO. 63379

ILLINOIS FED. AID PROJECT

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

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