

COUNTY	TOTAL SHEETS	SHEET NO.
DuPAGE	39	1

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FOR INDEX OF SHEETS, SEE SHEET NO. 2

FOR INDEX OF HIGHWAY STANDARDS, SEE SHEET NO. 2

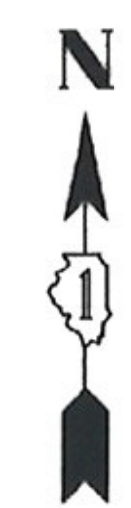
VILLAGE OF VILLA PARK, ILLINOIS

SOUTH MICHIGAN AVENUE RECONSTRUCTION

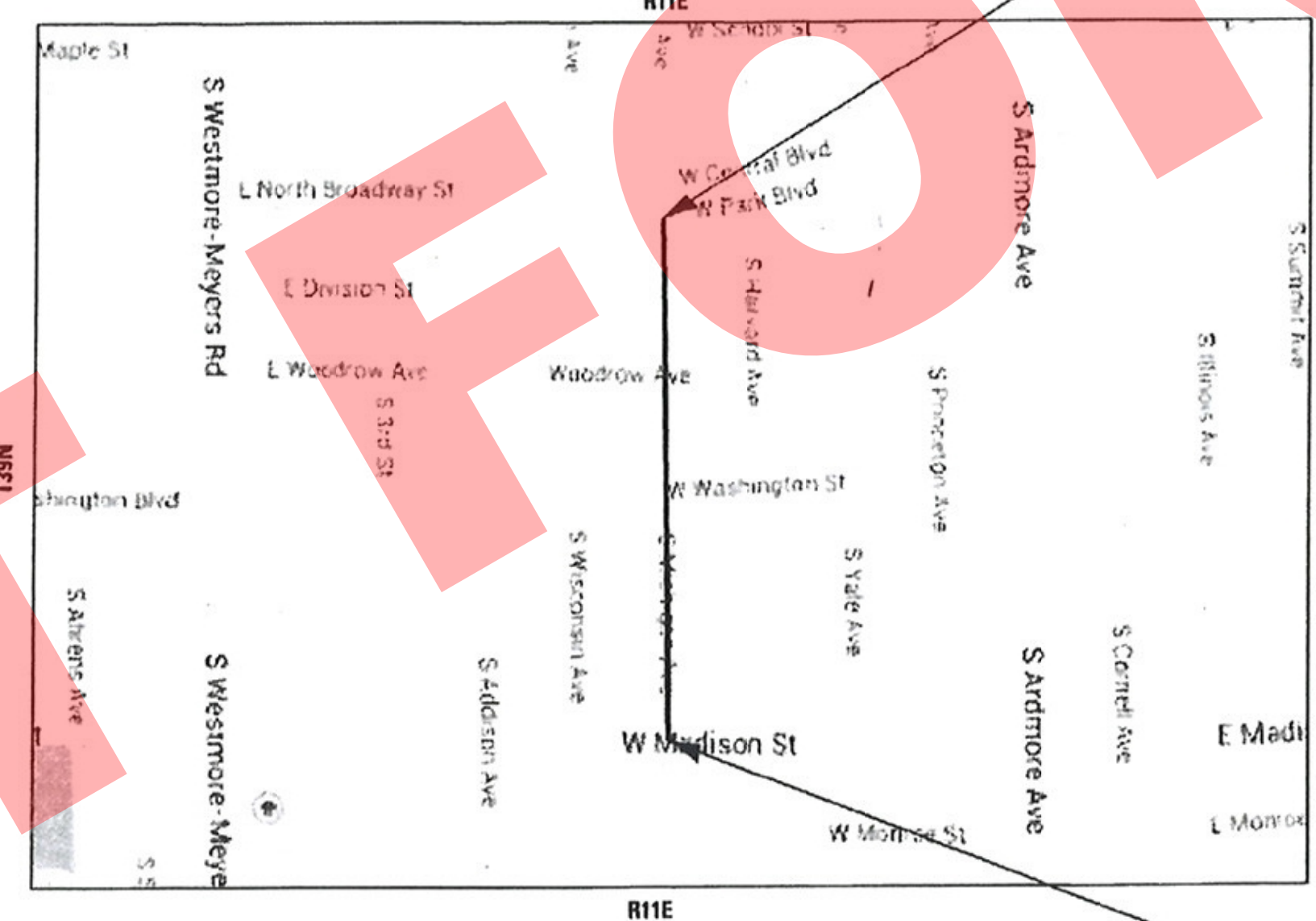
WEST MADISON STREET TO PARK BOULEVARD

DuPAGE COUNTY

END IMPROVEMENTS
 SOUTH MICHIGAN AVENUE
 STA 35 + 94



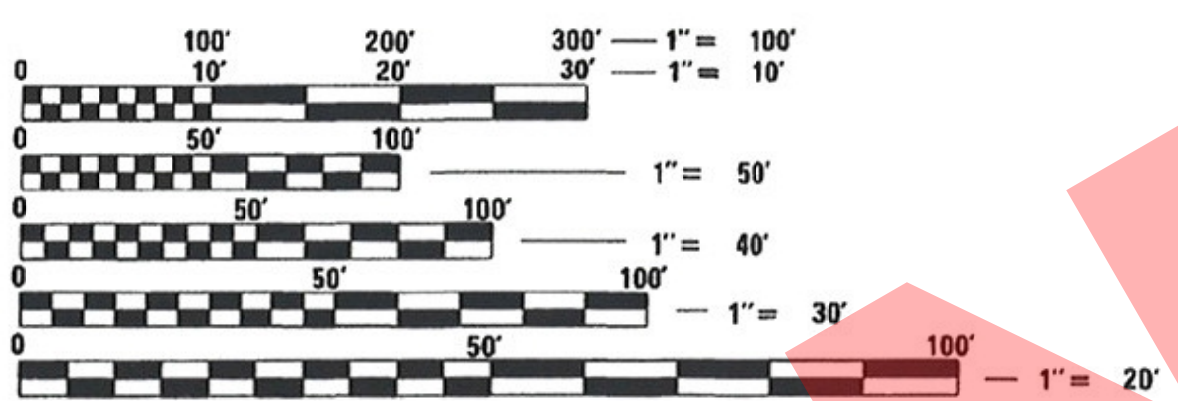
LOCATION MAP
 (NOT TO SCALE)



BEGIN IMPROVEMENTS
 SOUTH MICHIGAN AVENUE
 STA 10 + 03

YORK TOWNSHIP
 GROSS AND NET LENGTH OF IMPROVEMENT = 2,568 LF OR 0.486 MILES

TRAFFIC DATA
 ADT = < 1000 (2012)
 POSTED SPEED = 25 MPH
 ROADWAY CLASSIFICATION = LOCAL



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.J.L.I.E. DESIGN STAGE REQUEST
 DIG. No. A1501905



CONTACT JULIE AT 811 OR 800-892-0123 WITH THE FOLLOWING:
 COUNTY = DuPAGE
 CITY-TOWNSHIP = VILLA PARK - YORK
 SEC. & 1/4 SEC. NO. = SE 1/4 SECTION 9, T39N, R11E
 48 HOURS (2 working days) BEFORE YOU DIG



VILLAGE OF VILLA PARK, ILLINOIS
 APPROVED *Vidas Juskelys*
 11/21/16
 DIRECTOR OF PUBLIC WORKS

THOMAS M. SLATTERY
 62-050844
 LICENSED PROFESSIONAL ENGINEER
 OF ILLINOIS
Thomas M. Slattery
 PROJECT MANAGER
 "LICENSE EXPIRES 11-30-2017" 11/16/16

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GENERAL NOTES

- ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE DETAILS IN THE PLANS, THE SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS, AND THE LATEST EDITION OF THE FOLLOWING STATE OF ILLINOIS SPECIFICATIONS: "THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" (REFERRED TO AS THE "STANDARD SPECIFICATIONS"), THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", THE "MANUAL OF TEST PROCEDURES FOR MATERIALS" AND THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS".
- THE LOCATIONS OF PUBLIC OR PRIVATE UTILITIES SHOWN ON THE PLANS REPRESENTS ONLY THE OPINION OF THE ENGINEER AND IS ONLY INCLUDED FOR THE CONVENIENCE OF THE BIDDER AND THE ACCURACY IS NOT GUARANTEED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES, INCLUDING SPRINKLER SYSTEMS, EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS.
- THE CONTRACTOR SHALL NOTIFY THE DIRECTOR OF PUBLIC WORKS AT LEAST 48 HOURS IN ADVANCE OF BEGINNING WORK TO OBTAIN VILLAGE UTILITY LOCATIONS.
- ACCESS TO PRIVATE DRIVEWAYS SHALL BE PROVIDED AT ALL TIMES EXCEPT DURING ACTUAL CONSTRUCTION ADJACENT THERE TO. TEMPORARY RAMPS SHALL BE CONSTRUCTED AS NEEDED TO PROVIDE SUCH ACCESS, UTILIZING CRUSHED STONE OR CRUSHED GRAVEL AS TEMPORARY ACCESS.
- IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE ENGINEER, RESIDENTS AND THE VILLAGE WHEN ACCESS TO DRIVEWAYS WILL BE TEMPORARILY CLOSED. THE CONTRACTOR SHALL DISTRIBUTE NOTICES PROVIDED BY THE VILLAGE TO RESIDENTS AT LEAST 24 HOURS PRIOR TO PLANNED CLOSURE. EVERY EFFORT SHALL BE MADE TO ACCOMMODATE ACCESS TO THESE PROPERTIES INCLUDING KNOCKING ON DOORS WHEN DRIVEWAYS ARE ABOUT TO BE CLOSED.
- PORTLAND CEMENT CONCRETE SIDEWALK SHALL BE THICKENED TO 6-INCHES AT LOCATIONS WHERE THE SIDEWALK CROSSES DRIVEWAYS (SHALL BE PAID FOR AS PCC SIDEWALK 5 INCH). TRANSVERSE EXPANSION JOINTS ¼" SHALL BE PLACED EVERY 50 FEET OR AS DETERMINED BY THE ENGINEER. TRANSVERSE CONTRACTION JOINTS SHALL BE PLACED EVERY 5- FEET.
- A ½-INCH THICK EXPANSION JOINT SHALL BE PROVIDED AT THE JUNCTION OF THE DRIVEWAY APRON AND CURB, AND AT THE JUNCTION OF THE DRIVEWAY APRON AND THE SIDEWALK. THIS WORK WILL BE INCLUDED IN THE COST OF PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT.
- THE CONTRACTOR SHALL CONTACT THE LOCAL AGENCY MATERIAL INSPECTOR AT LEAST 48 HOURS PRIOR TO ANY CONCRETE OR HOT-MIX ASPHALT MATERIAL DELIVERIES.
- ANY ANTI-STRIPPING ADDITIVE REQUIRED SHALL BE INCLUDED IN THE COST OF THE SURFACE COURSE.
- ALL FRAME AND LID CASTINGS LOCATED WITHIN THE PAVEMENT WHICH REQUIRE RESETTING TO FINISH GRADE SHALL BE BACKFILLED WITH CLASS SI CONCRETE AND ALLOWED TO CURE FOR 72 HOURS PRIOR TO PLACEMENT OF SURFACE COURSE. CLASS PP CONCRETE SHALL BE USED IF PLACEMENT OF SURFACE COURSE IS PLANNED IN LESS THAN 72 HOURS. HMA MATERIALS WILL NOT BE ALLOWED AS BACKFILL AROUND AN ADJUSTED CASTING. THIS WORK SHALL APPLY TO ALL CASTINGS ADJUSTED OR RECONSTRUCTED AS PART OF THIS CONTRACT, WHETHER PAID FOR SEPARATELY OR INCLUDED IN OTHER CONTRACT WORK.
- THE DAYS PAVING OPERATION SHOULD RESULT IN A SINGLE TRANSVERSE JOINT. ANY COLD LONGITUDINAL JOINTS WILL NOT BE ACCEPTED. PROVIDING A SINGLE TRANSVERSE JOINT SHALL BE ACCOMPLISHED BY PAVING ONE LANE OF SUFFICIENT LENGTH THAT WILL ALLOW FOR THE PAVING OF THE ADJACENT LANE IN THE SAME DAY.
- DETECTABLE WARNINGS SHALL BE CONSTRUCTED WITH THE INSTALLATION OF AN ADA-COMPLIANT CAST-IN-PLACE COMPOSITE 24"x48" MINIMUM NOMINAL SIZE PANEL UNLESS OTHER SIZE IS APPROVED BY ENGINEER, AS MANUFACTURED BY ARMOR-TILE. THE DOMES LOCATED ON THE PANEL SHALL PARALLEL THE PAVEMENT CROSS WALK WITH THE CLOSEST EDGE LOCATED AT THE BACK OF CURB. THE CONTRASTING PANEL COLOR SHALL BE SELECTED BY THE VILLAGE. INSTALLATION SHALL OCCUR IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
- THE CURB SHALL BE TAPERED TO THE GUTTER IN A FIVE (5) FOOT LENGTH WHEREVER THE CURB AND GUTTER TERMINATES, WITH AN EXPANSION JOINT PLACED AT THE START OF THE TAPER.
- ALL POSTS, RAILROAD TIES, AND DECORATIVE TIMBER IN CONFLICT WITH THE PROPOSED IMPROVEMENTS SHALL BE REMOVED AND RELOCATED AS DETERMINED BY THE ENGINEER AT THE TIME OF CONSTRUCTION AND SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION. EVERY EFFORT SHALL BE MADE BY THE CONTRACTOR WHEN REMOVING THESE ITEMS TO PRESERVE THEM FROM HARM. ITEMS NOT RELOCATED SHALL BE PROPERLY DISPOSED OF BY THE CONTRACTOR.
- PRIOR TO CONSTRUCTION OF ANY PROPOSED UTILITIES, THE CONTRACTOR SHALL EXCAVATE AND LOCATE THE EXISTING UTILITIES TO VERIFY THEIR LOCATION, SIZE, AND DEPTH TO INSURE THAT GRADE CONFLICTS WILL NOT OCCUR. THE COST OF THIS EXPLORATION SHALL BE PAID FOR AS EXPLORATION TRENCH, SPECIAL IF DETERMINED NECESSARY BY THE ENGINEER. ALL OTHER EXPLORATION WILL BE AT THE CONTRACTOR'S EXPENSE.
- THE COST OF MAKING ANY SEWER CONNECTIONS TO EXISTING DRAINAGE STRUCTURES OR PIPE SHALL BE INCLUDED IN THE COST OF THE NEW SEWER OR STRUCTURE. ANY ADDITIONAL STORM SEWER PIPE REQUIRED TO MAKE THE CONNECTION SHALL BE OF THE SAME SIZE AND MATERIAL TYPE AS THE EXISTING STORM SEWER. CLAY PIPE AND OTHER SUBSTANDARD MATERIALS AS DETERMINED BY THE ENGINEER WILL NOT BE REPLACED IN KIND BUT SHALL BE REPLACED WITH SUITABLE MATERIALS. THIS WORK AND THE NECESSARY MATERIALS SHALL BE INCLUDED IN THE COST OF THE SEWER OR STRUCTURE.
- IF ANY STORM SEWER LATERALS ARE FOUND DURING CONSTRUCTION AND ARE NOT IDENTIFIED ON THE PLANS, THEY SHALL BE CONNECTED TO THE PROPOSED STORM SEWER STRUCTURES AND INCLUDED IN THE COST OF THE STORM SEWER STRUCTURES. STORM SEWER LATERALS FOUND THAT CONNECT TO THE MAINLINE SHALL BE PAID FOR AS PVC PIPE DRAINS SDR 26 ASTM D-2241. THE COST OF THE CONNECTION OF THE LATERAL TO THE MAIN SHALL BE INCLUDED IN THE COST OF THE LATERAL.
- STORM STRUCTURE OFFSET LOCATIONS ARE TO THE EDGE OF PAVEMENT IF THE STRUCTURE IS IN THE CURB LINE OR TO THE CENTER OF STRUCTURE IF THE STRUCTURE IS NOT IN THE CURBLINE.
- ALL TEMPORARY STORM SEWER PLUGS AND TEMPORARY STORM SEWER CONNECTIONS REQUIRED FOR CONSTRUCTION STAGING SHALL BE INCLUDED IN THE COST OF THE STORM SEWER CONSTRUCTION.
- FRAME ELEVATIONS GIVEN ON THE PLANS ARE ONLY TO ASSIST THE CONTRACTOR IN DETERMINING THE APPROXIMATE OVERALL HEIGHT OF THE STRUCTURE. FRAMES ON ALL NEW STRUCTURES SHALL BE ADJUSTED TO THE FINAL ELEVATION OF THE AREA IN WHICH THEY ARE LOCATED AS PART OF COST OF THE STRUCTURE.
- FOR PATCHES ON STREETS NOT BEING RESURFACED UNDER THIS CONTRACT, THE TOP 2" OF MIX SHALL BE HOT-MIX ASPHALT SURFACE COURSE. EXISTING PAVEMENT SHALL BE SAW CUT FULL DEPTH PRIOR TO REMOVAL. THE SURFACE COURSE AND SAW CUTTING WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF CLASS D PATCHES.
- IF MATERIAL IS TAKEN TO AN IEPA APPROVED FILL SITE, THE CONTRACTOR IS RESPONSIBLE FOR THE TESTING AND PROFESSIONAL ENGINEERING SERVICES REQUIRED BY THE SITE WHICH INCLUDES: CERTIFYING SOILS ARE UNCONTAMINATED AND WITHIN PH OF 6.25 TO 9.0, COMPLETION OF IEPA FORM LPC-663 BY A LICENSED P.E., AND ADDITIONAL ANALYTICAL TESTING REQUIRED BY THE DISPOSAL SITE AND/OR ENGINEER. THE ENGINEER SHALL BE PROVIDED COPIES OF ALL TEST RESULTS AND CERTIFICATIONS (INCLUDING LPC-663). BASED ON PRELIMINARY SCREENING OF THE AREA, THE PROJECT SITE, TO THE OWNERS KNOWLEDGE, HAS NOT BEEN USED FOR COMMERCIAL OR INDUSTRIAL PURPOSES. PID OR FID READINGS ARE NOT ACCEPTABLE RESULTS FOR CLASSIFYING THE MATERIAL. IF REJECTED, ANALYTICAL TESTING SHALL BE PERFORMED IN ACCORDANCE WITH ARTICLE 669.08. IF MATERIAL IS UNCONTAMINATED, IT SHALL BE REMOVED AND DISPOSED OF IN ACCORDANCE WITH THE APPROPRIATE PAY ITEM. IF THE MATERIAL IS CLASSIFIED AS NON-SPECIAL WASTE, THE CONTRACTOR SHALL REUSE THE MATERIAL ON SITE AT NO ADDITIONAL COST. IF ON-SITE USE IS NOT FEASIBLE, DISPOSAL SHALL BE PAID FOR ACCORDING TO ARTICLE 109.04 ALL CERTIFICATIONS AND ANALYSIS COMPLETED BY THE CONTRACTOR WILL BE PAID FOR AS 1 EACH "SOIL DISPOSAL ANALYSIS".

- ALL AGGREGATE USED ON THIS PROJECT SHALL BE CRUSHED MATERIAL. NO RECYCLED MATERIAL SHALL BE USED.
- NEW OR REPLACEMENT CLOSED LIDS SHALL BE STAMPED TO INDICATE THE STRUCTURE TYPE. STORM LIDS SHALL BE STAMPED WITH "STORM". SANITARY LIDS SHALL BE STAMPED WITH "SANITARY" AND WATER VALVE VAULT LIDS SHALL BE STAMPED WITH "WATER". STAMPING SHALL BE INCLUDED IN THE COST OF THE NEW LID. ALL NEW TYPE 1 OPEN LIDS SHALL BE BICYCLE SAFE. ALL CLOSED LIDS SHALL BE STAMPED WITH "VILLAGE OF VILLA PARK".
- EXISTING GROUND CONTOURS AND ELEVATIONS WERE DETERMINED FROM AVAILABLE PLANS AND FIELD SURVEYS. AS DIRECTED BY THE ENGINEER, PROPOSED GROUND ELEVATIONS MAY BE REVISED TO MEET FIELD CONDITIONS.
- BICYCLE TRAFFIC ON THE ILLINOIS PRAIRIE PATH NORTH OF PARK BOULEVARD SHALL BE MAINTAINED AT ALL TIMES. THE CONTRACTOR SHALL TEMPORARILY RELOCATE THE BIKE PATH AROUND STORM SEWER CONSTRUCTION AS SHOWN ON THE PLANS AND DETAILS AND SHALL RESTORE THE PATH TO ITS ORIGINAL LOCATION AND CONDITION ONCE STORM SEWER CONSTRUCTION HAS BEEN COMPLETED.

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS, HIGHWAY STANDARDS, BENCHMARKS, GENERAL NOTES AND LEGEND
3 - 5	SUMMARY OF QUANTITIES
6	SCHEDULE OF QUANTITIES
7	TYPICAL SECTIONS AND HOT-MIX ASPHALT MIXTURE REQUIREMENTS
8 - 10	REMOVAL PLAN - NORTH MICHIGAN AVENUE
11 - 15	PLAN AND PROFILE - NORTH MICHIGAN AVENUE
16 - 20	DRAINAGE AND UTILITIES - NORTH MICHIGAN AVENUE
21	EROSION AND SEDIMENT CONTROL NOTES
22 - 24	EROSION CONTROL PLAN - NORTH MICHIGAN AVENUE
25 - 27	MISCELLANEOUS DETAILS
28	(TC-10) TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
29 - 39	CROSS SECTIONS - SOUTH MICHIGAN AVENUE

BENCHMARKS

BM #1	CROSS CUT IN SIDEWALK AND MARKED WITH PINK PAINT BOX AT STA 9+68, 29.5' RT EL 703.737
BM #2	CROSS CUT IN SIDEWALK AND MARKED WITH PINK PAINT BOX AT STA 10+46, 29.7' RT EL 704.434
BM #3	CROSS CUT IN SIDEWALK AND MARKED WITH PINK PAINT BOX AT STA 22+68, 33.1' RT EL 708.556
BM #4	CROSS CUT IN SIDEWALK AND MARKED WITH PINK PAINT BOX AT STA 28+54, 29.5' RT EL 713.368
BM #5	CROSS CUT IN SIDEWALK AND MARKED WITH PINK PAINT BOX AT STA 35+04, 29.5' RT EL 712.928
BM #6	CROSS CUT IN CURB HEAD AND MARKED WITH PINK PAINT BOX AT STA 35+96, 47.9' LT EL 710.414

HIGHWAY STANDARDS

000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
424001-09	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
442201-03	CLASS C AND D PATCHES
604001-04	FRAME AND LIDS TYPE 1
604051-04	FRAME AND GRATE TYPE 11
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE 2L, 2W MOVING OPERATIONS - DAY ONLY
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-06	TRAFFIC CONTROL DEVICES

EXISTING

	LOW PRESSURE SEWER
	SANITARY SEWER OR SERVICE
	STORM SEWER
	STORM SEWER (FUTURE BY OTHERS)
	WATER MAIN
	WATER SERVICE
	FORCE MAIN
	UNDERDRAIN
	MANHOLE
	CATCH BASIN
	INLET
	DRYWELL
	FLARED END SECTION
	FIRE HYDRANT
	WATER VALVE W/ BOX AND COVER
	WATER VALVE VAULT
	WATER SERVICE BOX OR CURB STOP
	WATER METER
	CLEAN OUT
	SEPTIC VENT
	TO BE ABANDONED AND/OR REMOVED
	GAS LINE
	GAS VALVE W/ BOX AND COVER
	GAS VALVE VAULT
	GAS METER
	GAS RISER
	GAS SERVICE VALVE
	TELEPHONE CABLE
	TELEPHONE DUCT
	TELEPHONE VAULT
	TELEPHONE RISER
	CABLE TELEVISION (BURIED)
	CABLE T.V. RISER
	CABLE T.V. VAULT
	FIBER OPTIC
	UNDERGROUND ELECTRICAL
	ELECTRIC METER
	PAD MOUNTED TRANSFORMER
	ELECTRIC VAULT
	JUNCTION BOX
	UTILITY POLE w/ GUY ANCHOR
	UTILITY POLE w/ LIGHT
	LIGHT STANDARD
	MAIL BOX
	STREET SIGN
	RAILROAD SIGNAL
	TRAFFIC SIGNAL CONTROLLER
	TRAFFIC SIGNAL POST w/ SIGNAL HEAD
	HANDHOLE
	DECIDUOUS TREE (W/ TRUNK INCH DIA.)
	CONIFEROUS TREE (W/ HEIGHT)
	DECIDUOUS BUSH
	CONIFEROUS BUSH
	DEFINING EDGE OF BRUSH OR FORESTED AREA
	FENCE
	GUARD RAIL
	CULVERT (CMP UNLESS NOTED)
	DITCH
	SUMMIT
	EDGE OF LAKE, RIVER, ETC.
	MARSH
	TOP OR TOE OF SLOPE

LEGEND

PROPOSED

	LPS
	STORM SEWER
	WATER MAIN
	WATER SERVICE
	UNDERDRAIN
	MANHOLE
	CATCH BASIN
	INLET
	DRYWELL
	FLARED END SECTION
	FIRE HYDRANT
	WATER VALVE W/ BOX AND COVER
	WATER VALVE VAULT
	WATER SERVICE BOX OR CURB STOP
	WATER METER
	CLEAN OUT
	SEPTIC VENT
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	GAS LINE
	GAS VALVE W/ BOX AND COVER
	GAS VALVE VAULT
	GAS METER
	GAS RISER
	GAS SERVICE VALVE
	TELEPHONE CABLE
	TELEPHONE DUCT
	TELEPHONE VAULT
	TELEPHONE RISER
	CABLE TELEVISION (BURIED)
	CABLE T.V. RISER
	CABLE T.V. VAULT
	FIBER OPTIC
	UNDERGROUND ELECTRICAL
	ELECTRIC METER
	PAD MOUNTED TRANSFORMER
	ELECTRIC VAULT
	JUNCTION BOX
	UTILITY POLE w/ GUY ANCHOR
	UTILITY POLE w/ LIGHT
	LIGHT STANDARD
	MAIL BOX
	STREET SIGN
	RAILROAD SIGNAL
	TRAFFIC SIGNAL CONTROLLER
	TRAFFIC SIGNAL POST w/ SIGNAL HEAD
	HANDHOLE
	DECIDUOUS TREE (W/ TRUNK INCH DIA.)
	CONIFEROUS TREE (W/ HEIGHT)
	DECIDUOUS BUSH
	CONIFEROUS BUSH
	DEFINING EDGE OF BRUSH OR FORESTED AREA
	FENCE
	GUARD RAIL
	CULVERT (CMP UNLESS NOTED)
	DITCH
	SUMMIT
	EDGE OF LAKE, RIVER, ETC.
	MARSH
	TOP OR TOE OF SLOPE

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**VILLAGE OF VILLA PARK, ILLINOIS
 SOUTH MICHIGAN AVENUE**

**INDEX OF SHEETS, HIGHWAY STANDARDS,
 BENCHMARKS, GENERAL NOTES AND LEGEND**

SCALE: NONE

STA.

TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	N/A	DuPAGE	39	2
CONTRACT NO.				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

NUMBER	PAY ITEM	UNIT	TOTAL QUANTITY	ROADWAY	SANITARY	WATER	SEWER SEPARATION
1	TEMPORARY FENCE	FOOT	200	200			
# *	2 TREE ROOT PRUNING	EACH	81	81			
	3 EARTH EXCAVATION	CU YD	1,588	1,588			
	4 REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	1,603	1,603			
#	5 TRENCH BACKFILL	CU YD	2,888			44	2,844
	6 GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	8,492	8,492			
# *	7 PARKWAY RESTORATION	SQ YD	5,600	5,600			
	8 SUPPLEMENTAL WATERING	UNIT	42	42			
	9 PERIMETER EROSION BARRIER	FOOT	820	820			
#	10 INLET FILTERS	EACH	41	41			
#	11 AGGREGATE SUBGRADE IMPROVEMENT	CU YD	980	980			
	12 AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	2,441	2,441			
	13 AGGREGATE BASE COURSE, TYPE B 6"	SQ YD	8,241	8,241			
#	14 BITUMINOUS MATERIALS (TACK COAT)	POUND	4,780	4,780			
	15 HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	1,627	1,627			

* SPECIALTY ITEM
SPECIAL PROVISION

NUMBER	PAY ITEM	UNIT	TOTAL QUANTITY	ROADWAY	SANITARY	WATER	SEWER SEPARATION
16	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	834	834			
17	PROTECTIVE COAT	SQ YD	2,200	2,200			
18	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	663	663			
19	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	2,075	2,075			
20	DETECTABLE WARNINGS	SQ FT	220	220			
#	21 PAVEMENT REMOVAL	SQ YD	7,030	7,030			
#	22 DRIVEWAY PAVEMENT REMOVAL	SQ YD	1,402	1,402			
23	COMBINATION CURB AND GUTTER REMOVAL	FOOT	5,395	5,395			
24	SIDEWALK REMOVAL	SQ FT	2,715	2,715			
#	25 CLASS D PATCHES, 6 INCH	SQ YD	22				22
26	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	FOOT	231				231
27	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 12"	FOOT	400				400
28	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 18"	FOOT	361				361
29	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 30"	FOOT	1,155				1,155
30	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 36"	FOOT	252				252

* SPECIALTY ITEM
SPECIAL PROVISION

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**VILLAGE OF VILLA PARK, ILLINOIS
SOUTH MICHIGAN AVENUE**

SUMMARY OF QUANTITIES

SCALE: NONE

STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	N/A		39	3
CONTRACT NO.				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

NUMBER	PAY ITEM	UNIT	TOTAL QUANTITY	ROADWAY	SANITARY	WATER	SEWER SEPARATION
# 31	STORM SEWER REMOVAL	FOOT	318				318
# 32	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	EACH	4				4
# 33	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 11 FRAME AND GRATE	EACH	2				2
# 34	CATCH BASINS, TYPE C, TYPE 11 FRAME AND GRATE	EACH	23				23
# 35	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	6				6
# 36	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	9				9
# 37	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	EACH	12				12
# 38	VALVE VAULTS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	4			4	
# 39	MANHOLES TO BE ADJUSTED	EACH	1	1			
# 40	VALVE VAULTS TO BE ADJUSTED	EACH	1			1	
# 41	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	5	5			
# 42	REMOVING MANHOLES	EACH	2				2
# 43	REMOVING INLETS	EACH	18				18
# 44	DUCTILE IRON WATER MAIN (OPEN CUT), 6"	FOOT	58			58	
# 45	WATER VALVE, 6"	EACH	4			4	

* SPECIALTY ITEM
SPECIAL PROVISION

NUMBER	PAY ITEM	UNIT	TOTAL QUANTITY	ROADWAY	SANITARY	WATER	SEWER SEPARATION
# 46	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX	EACH	7			7	
# 47	WATER SERVICE CONNECTION, 1" LONG	EACH	15			15	
# 48	WATER SERVICE CONNECTION, 1" SHORT	EACH	5			5	
# 49	ADJUSTING WATER SERVICE LINES	EACH	15			15	
# 50	SANITARY SEWER SERVICE REPLACEMENT	FOOT	700		700		
# 51	FIRE HYDRANTS TO BE REMOVED	EACH	7			7	
# 52	VALVES AND VAULTS TO BE REMOVED	EACH	4			4	
# 53	SANITARY SEWER SERVICE RECONNECTION	EACH	20		20		
# 54	SANITARY SEWER PIPE, PVC SDR 26 ASTM D-2241, 6"	FOOT	50		50		
# 55	SANITARY SEWER PIPE, PVC SDR 26 ASTM D-2241, 12"	FOOT	20		20		
# 56	SANITARY SEWER PIPE, PVC SDR 26 ASTM D-2241, 15"	FOOT	25		25		
# 57	SANITARY SEWER PIPE, PVC SDR 26 ASTM D-2241, 18"	FOOT	15		15		
# 58	SANITARY MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	7		7		
# 59	COMBINATION CLEAN OUT-CHECK VALVE	EACH	10		10		
# 60	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (SPECIAL)	FOOT	5,395	5,395			

* SPECIALTY ITEM
SPECIAL PROVISION

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**VILLAGE OF VILLA PARK, ILLINOIS
SOUTH MICHIGAN AVENUE**

SUMMARY OF QUANTITIES

SCALE: NONE

STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	N/A		39	4
CONTRACT NO.				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

NUMBER	PAY ITEM	UNIT	TOTAL QUANTITY	ROADWAY	SANITARY	WATER	SEWER SEPARATION
61	NON-SPECIAL WASTE DISPOSAL	CU YD	150	150			
62	SOIL DISPOSAL ANALYSIS	EACH	1	1			
* 63	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	105	105			
* 64	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	66	66			
# 65	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 4"	SQ YD	896	896			
66	CONSTRUCTION LAYOUT	L SUM	1	1			
# 67	DUST CONTROL WATERING	UNIT	43	43			
# 68	STORM SEWER (WATER MAIN QUALITY) 12 INCH	FOOT	493				493
# 69	STORM SEWER (WATER MAIN QUALITY) 18 INCH	FOOT	62				62
# 70	STORM SEWER (WATER MAIN REQUIREMENTS) EQUIVALENT ROUND-SIZE 36 INCH	FOOT	53				53
# 71	REMOVE AND REINSTALL BRICK PAVER	SQ FT	50	50			
# 72	EXPLORATION TRENCH, SPECIAL	FOOT	200	200			
# 73	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	74	74			
# 74	TEMPORARY ACCESS (ROAD)	EACH	7	7			
# 75	SANITARY MANHOLES TO BE ADJUSTED	EACH	3	3			

* SPECIALTY ITEM
SPECIAL PROVISION

NUMBER	PAY ITEM	UNIT	TOTAL QUANTITY	ROADWAY	SANITARY	WATER	SEWER SEPARATION
# 76	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1			
# 77	PRE-CONSTRUCTION VIDEO RECORDING	L SUM	1	1			
# 78	PVC PIPE DRAINS SDR 26 ASTM D-2241, 6"	FOOT	150				150
79	LIMESTONE SCREENINGS FA-5, 2"	SQ YD	275	275			
# 80	WATER USAGE DEDUCTION	TGAL	100	100			
# 81	WATER USAGE CREDIT	TGAL	100	100			
# 82	CONTINGENCY ALLOWANCE	DOLLAR	30,000	15,000		10,000	5,000

* SPECIALTY ITEM
SPECIAL PROVISION

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**VILLAGE OF VILLA PARK, ILLINOIS
SOUTH MICHIGAN AVENUE**

SUMMARY OF QUANTITIES

SCALE: NONE

STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	N/A		39	5
CONTRACT NO.				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

SANITARY MANHOLES TO BE ADJUSTED		
STA	LT/RT	
28+05	CL	W/ TY 1 FRAME CL
28+30	CL	W/ TY 1 FRAME CL
35+84	LT	W/ TY 1 FRAME CL
TOTAL	3	

REMOVING MANHOLES*		
STA	LT/RT	EACH
10+08	LT	
10+42	LT	
12+95	LT	
13+18	CL	
15+83	LT	1
16+90	LT	
17+11	CL	
19+54	CL	
22+12	CL	
22+41	CL	1
25+23	CL	
31+66	CL	
TOTAL		2

*REMOVAL SHALL NOT BE PAID FOR WHERE PROPOSED STRUCTURE IS PLACED IN THE SAME LOCATION.

REMOVING INLETS*		
STA	LT/RT	
10+09	LT	
10+19	RT	
10+50	LT	
10+52	RT	
15+88	LT	
15+93	RT	
17+05	LT	
17+05	RT	
20+61	LT	1
20+61	RT	1
22+21	LT	1
22+25	RT	1
22+53	LT	1
22+53	RT	1
23+77	RT	1
23+83	LT	1
24+34	LT	1
24+34	RT	1
27+86	LT	1
27+89	RT	1
28+17	RT	1
28+21	LT	1
32+94	LT	1
32+94	RT	1
35+65	LT	1
35+65	RT	1
35+96	RT	
TOTAL		18

*REMOVAL SHALL NOT BE PAID FOR WHERE PROPOSED STRUCTURE IS PLACED IN THE SAME LOCATION.

DRIVEWAY SCHEDULE							
ADDRESS	STATION	SIDE	TYPE	DRIVEWAY PAVEMENT REMOVAL SQ YD	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH SQ YD	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 4" SQ YD	TEMPORARY ACCESS (PRIVATE ENTRANCE) EACH
741 S MICHIGAN AVE	11+38	R	PE	28		28	1
738 S MICHIGAN AVE	11+63	L	PE	17		20	1
734 S MICHIGAN AVE	11+77	L	PE	18	20		1
733 S MICHIGAN AVE	12+18	R	PE	17		20	1
730 S MICHIGAN AVE	12+36	L	PE	15	20		1
726 S MICHIGAN AVE	12+86	L	PE	18		20	1
729 S MICHIGAN AVE	13+01	R	PE	32		35	1
722 S MICHIGAN AVE	13+34	L	PE	19		21	1
723 S MICHIGAN AVE	13+62	R	PE	27	29		1
717 S MICHIGAN AVE	13+85	R	PE	17		20	1
718 S MICHIGAN AVE	13+85	L	PE	16	19		1
711 S MICHIGAN AVE	14+73	R	PE	19		20	1
714 S MICHIGAN AVE	14+75	L	PE	15	19		1
707 S MICHIGAN AVE	14+85	R	PE	17	19		1
710 S MICHIGAN AVE	15+26	L	PE	18	19		1
705 S MICHIGAN AVE	15+35	R	PE	17		21	1
706 S MICHIGAN AVE	15+76	L	PE	19	19		1
701 S MICHIGAN AVE	15+83	R	PE	18		20	1
702 S MICHIGAN AVE	16+24	L	PE	17	20		1
645 S MICHIGAN AVE	16+36	R	PE	17	20		1
644 S MICHIGAN AVE	16+74	L	PE	16	19		1
639 S MICHIGAN AVE	17+23	R	PE	16		19	1
640 S MICHIGAN AVE	17+24	L	PE	19		21	1
635 S MICHIGAN AVE	17+73	R	PE	18		19	1
636 S MICHIGAN AVE	17+73	L	PE	13	19		1
633 S MICHIGAN AVE	18+20	R	PE	16		19	1
632 S MICHIGAN AVE	18+27	L	PE	19		20	1
629 S MICHIGAN AVE	18+73	R	PE	17		20	1
630 S MICHIGAN AVE	18+76	L	PE	16		19	1
621 S MICHIGAN AVE	18+85	R	PE	18	20		1
626 S MICHIGAN AVE	19+27	L	PE	16		19	1
619 S MICHIGAN AVE	19+36	R	PE	13		19	1
622 S MICHIGAN AVE	19+77	L	PE	17	19		1
617 S MICHIGAN AVE	19+85	R	PE	20		20	1
618 S MICHIGAN AVE	20+07	L	PE	16		19	1
615 S MICHIGAN AVE	20+38	R	PE	15	20		1
610/614 S MICHIGAN AVE	20+80	L	PE	27		30	1
227 WASHINGTON ST	20+89	R	PE	20	20		1
539 S MICHIGAN AVE	23+33	R	PE	18		21	1
530/542 S MICHIGAN AVE	23+74	L	PE	31		34	1
526 S MICHIGAN AVE	24+33	L	PE	19		19	1
531 S MICHIGAN AVE	24+39	R	PE	28		28	1
522 S MICHIGAN AVE	24+82	L	PE	15	19		1
521 S MICHIGAN AVE	25+16	R	PE	20		20	1
518 S MICHIGAN AVE	25+35	L	PE	23	23		1
519 S MICHIGAN AVE	25+68	R	PE	22	22		1
514 S MICHIGAN AVE	25+80	L	PE	20	20		1
511/517 S MICHIGAN AVE	26+25	R	PE	36		36	1
510 S MICHIGAN AVE	26+40	L	PE	18		20	1
506 S MICHIGAN AVE	26+82	L	PE	17	20		1
507 S MICHIGAN AVE	26+85	R	PE	17	19		1
451 S MICHIGAN AVE	28+92	R	PE	16	20		1
452 S MICHIGAN AVE	29+22	L	PE	19	19		1
448 S MICHIGAN AVE	29+41	L	PE	18	19		1
447 S MICHIGAN AVE	29+42	R	PE	20	20		1
444 S MICHIGAN AVE	29+90	L	PE	14	19		1
443 S MICHIGAN AVE	30+31	R	PE	22	22		1
437 S MICHIGAN AVE	30+45	R	PE	19		19	1
440 S MICHIGAN AVE	30+82	L	PE	16		22	1
436 S MICHIGAN AVE	30+95	L	PE	13	13		1
435 S MICHIGAN AVE	30+95	R	PE	15	19		1
432 S MICHIGAN AVE	31+76	L	PE	22	22		1
433 S MICHIGAN AVE	31+80	R	PE	19		19	1
427 S MICHIGAN AVE	32+31	R	PE	15		19	1
428 S MICHIGAN AVE	32+31	L	PE	17		19	1
424 S MICHIGAN AVE	32+71	L	PE	16		19	1
419/423 S MICHIGAN AVE	32+83	R	PE	29		32	1
420 S MICHIGAN AVE	33+29	L	PE	20		22	1
414 S MICHIGAN AVE	33+41	R	PE	17	20		1
415 S MICHIGAN AVE	33+83	L	PE	17		19	1
411 S MICHIGAN AVE	33+90	R	PE	18		20	1
410 S MICHIGAN AVE	34+31	L	PE	18		19	1
223 PARK BLVD	34+49	R	PE	29	28		1
406 S MICHIGAN AVE	34+81	L	PE	16	18		1
TOTALS				1402	683	876	74

PAVEMENT						
LOCATION	AGGREGATE BASE COURSE TYPE B, 4"	AGGREGATE BASE COURSE TYPE B, 6"	HMA BINDER COURSE		HMA SURFACE COURSE	
	SQ YD	SQ YD	SQ YD	TON	SQ YD	TON
CURB	1547					
SIDEWALK	231					
BIKE PATH		275				
HMA DRIVEWAY, 4"		896				
PCC DRIVEWAY, 6"	663					
PAVEMENT AREA		7070	7070	1627	7070	834

STATION	EARTH EXCAVATION	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE	EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)
	CU YD	CU YD	CU YD	CU YD
	CUT	25% REDUCTION	FILL	
10+04	41.8	31.3	4.8	26.5
11+00	49.1	36.8	4.8	32.0
12+00	61.3	46.0	3.8	42.2
13+00	62.2	46.7	3.9	42.8
14+00	65.3	49.0	5.0	44.0
15+00	70.2	52.6	5.1	47.6
16+00	58.6	44.0	4.7	39.2
17+00	55.6	41.7	4.4	37.3
18+00	61.2	45.9	4.3	41.6
19+00	57.0	42.8	4.2	38.6
20+00	56.5	42.4	4.4	38.0
21+00	53.7	40.3	4.4	35.8
22+00	38.9	29.2	6.9	22.2
23+00	36.3	27.2	6.9	20.4
24+00	51.8	38.8	4.2	34.7
25+00	62.7	47.0	5.7	41.3
26+00	62.2	46.7	6.2	40.5
27+00	95.6	71.7	2.6	69.1
28+00	92.1	69.1	2.9	66.2
29+00	56.4	42.3	5.3	37.0
30+00	40.6	30.4	7.8	22.6
31+00	20.0	15.0	12.4	2.6
32+00	26.9	20.1	9.1	11.1
33+00	48.2	36.2	4.3	31.9
34+00	64.2	48.1	4.6	43.5
35+00	49.3	37.0	3.5	33.5
35+72				
TOTAL	1437.5	1078.1	135.9	942.2

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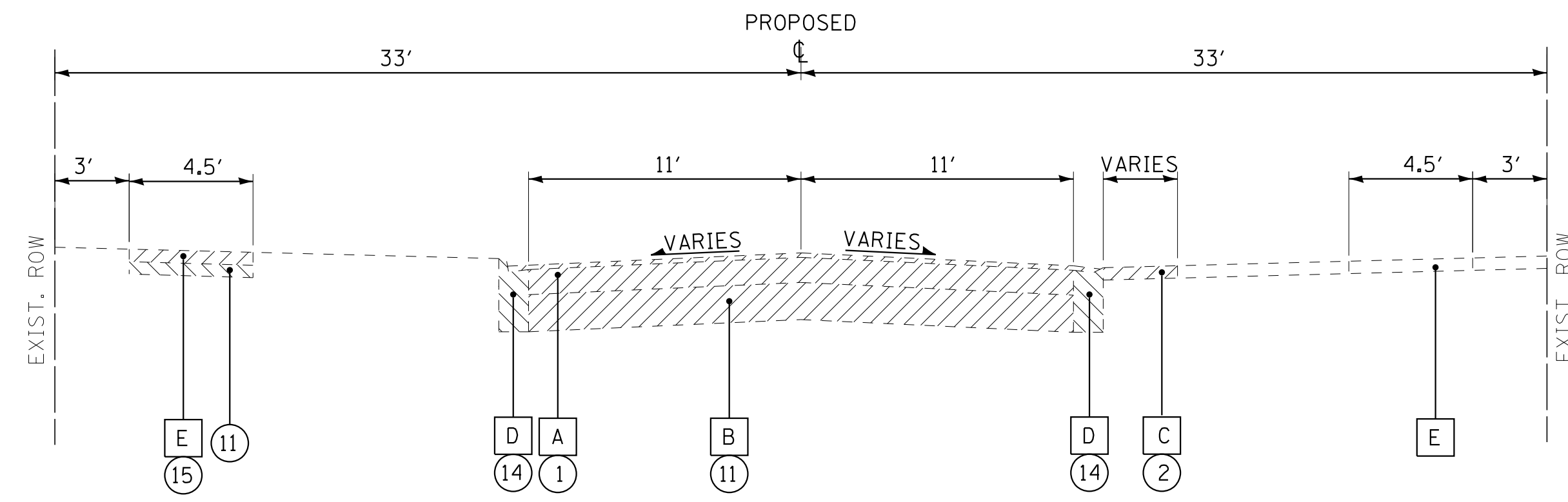
VILLAGE OF VILLA PARK, ILLINOIS
SOUTH MICHIGAN AVENUE

SCHEDULE OF QUANTITIES

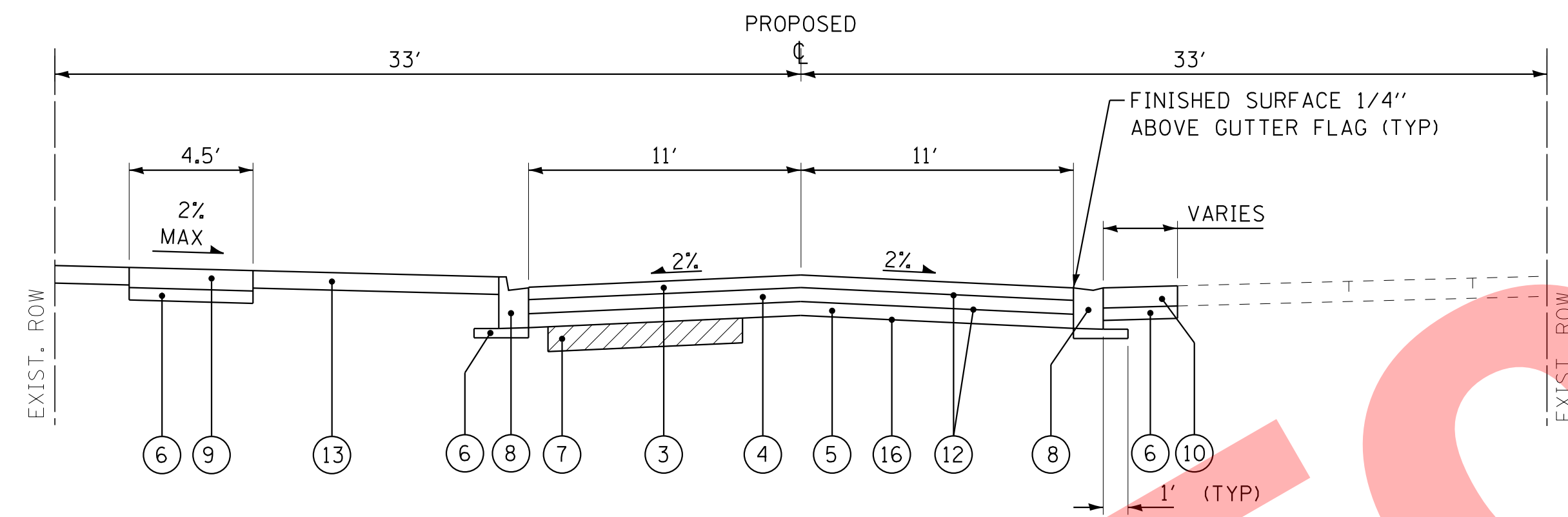
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STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	N/A	DuPAGE	39	6
CONTRACT NO.			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	



EXISTING TYPICAL SECTION
S. MICHIGAN AVENUE
STA 10+03 TO STA 35+94



PROPOSED TYPICAL SECTION
S. MICHIGAN AVENUE
STA 10+03 TO STA 35+94

EXISTING PAVEMENT DATA

CORE NUMBER	HMA THICKNESS	PCC THICKNESS	TOTAL
B-1	2.5	7.0	9.5
B-2	1.5	7.25	8.75
B-3	1.5	6.75	8.25
B-4	2.0	7.75	9.75
B-5	1.5	6.25	7.75
B-6	1.25	8.0	9.25
B-7	1.25	7.5	8.75
B-8	1.5	10.25	11.75

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE TYPE	AIR VOIDS @ Ndes
PAVEMENT RECONSTRUCTION	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5mm); 2"	4% @ 50 Gyr.
HOT-MIX ASPHALT BINDER COURSE IL-19.0, N50; 4"	4% @ 50 Gyr.
DRIVEWAYS	
HMA DRIVEWAY PAVEMENT (HMA SURFACE, MIX "D", N50); 4"	4% @ 50 Gyr.
CLASS D PATCHES	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5mm); 2"	4% @ 50 Gyr.
HOT-MIX ASPHALT BINDER COURSE IL-19.0, N50; 4"	4% @ 50 Gyr.

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.
 THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS.
 FOR HMA FULL DEPTH "AC TYPE" SEE SPECIAL PROVISIONS.
 FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.

NOTES:

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

EXISTING LEGEND

- A** PAVEMENT (SEE CORE REPORT FOR THICKNESS)
- B** AGGREGATE BASE COURSE
- C** DRIVEWAY
- D** COMBINATION CONCRETE CURB AND GUTTER
- E** SIDEWALK

PROPOSED LEGEND

- 1** PAVEMENT REMOVAL
- 2** DRIVEWAY PAVEMENT REMOVAL (AS DETERMINED BY THE ENGINEER)
- 3** HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 2"
- 4** HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 - 4"
- 5** AGGREGATE BASE COURSE, 6"
- 6** AGGREGATE BASE COURSE, TYPE B, 4"
- 7** REMOVAL AND DISPOSAL OF UNSUITABLE MATERIALS AND AGGREGATE SUBGRADE IMPROVEMENT (AS DETERMINED BY THE ENGINEER)
- 8** COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (SPECIAL)
- 9** PCC SIDEWALK 5 INCH
- 10** DRIVEWAY PAVEMENT
- 11** EARTH EXCAVATION
- 12** BITUMINOUS MATERIALS PRIME COAT
- 13** PARKWAY RESTORATION (AS DETERMINED BY THE ENGINEER)
- 14** CONCRETE CURB AND GUTTER REMOVAL
- 15** SIDEWALK REMOVAL (AS DETERMINED BY THE ENGINEER)
- 16** GEOTECHNICAL FABRIC FOR GROUND STABILIZATION

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VILLAGE OF VILLA PARK, ILLINOIS
SOUTH MICHIGAN AVENUE

TYPICAL SECTIONS AND HMA MIXTURE REQUIREMENTS

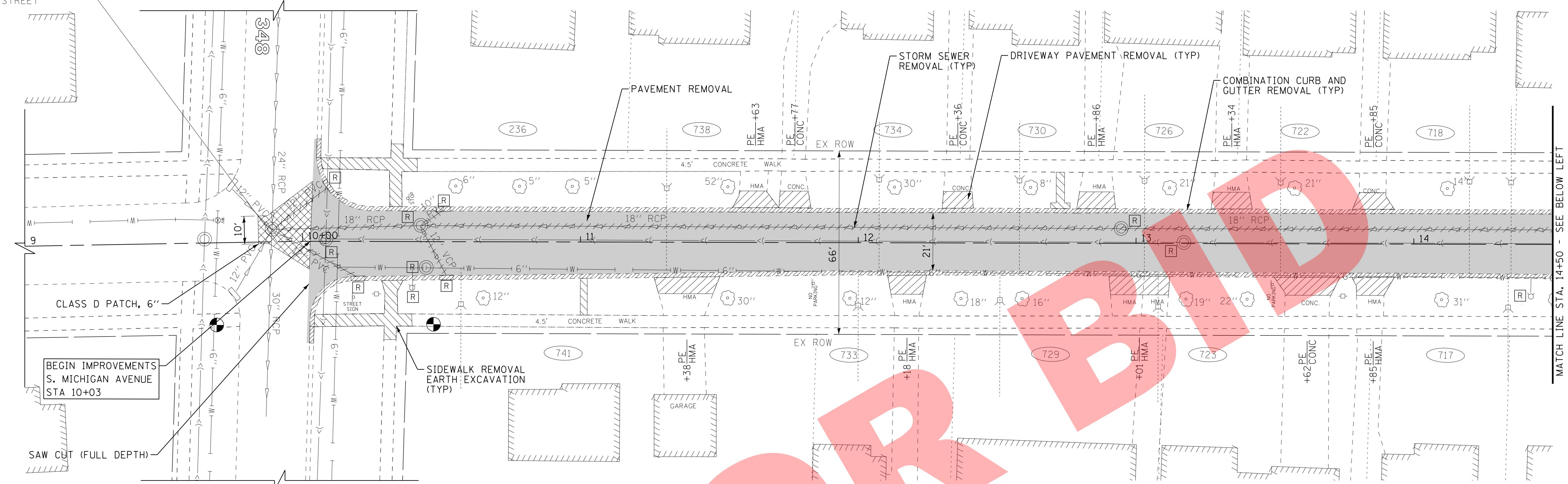
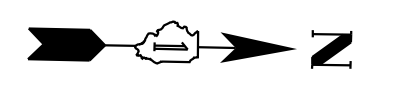
SCALE: NONE

STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO.				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

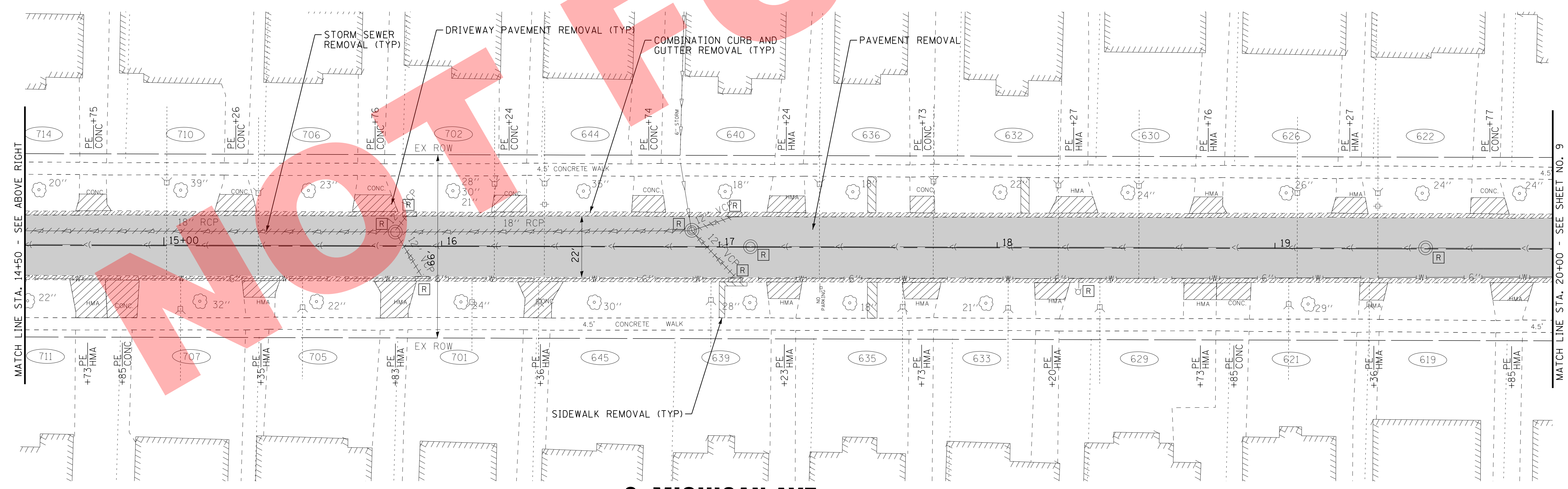
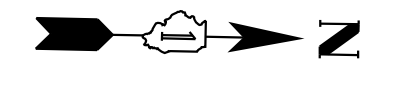
☐ S. MICHIGAN AVENUE STA 9+91
☐ W. MADISON STREET

W. MADISON ST.



W. MADISON ST.

S. MICHIGAN AVE



S. MICHIGAN AVE

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**VILLAGE OF VILLA PARK, ILLINOIS
SOUTH MICHIGAN AVENUE**

REMOVAL PLAN

SCALE: 1" = 20'
STA. 9+91 TO STA. 20+00

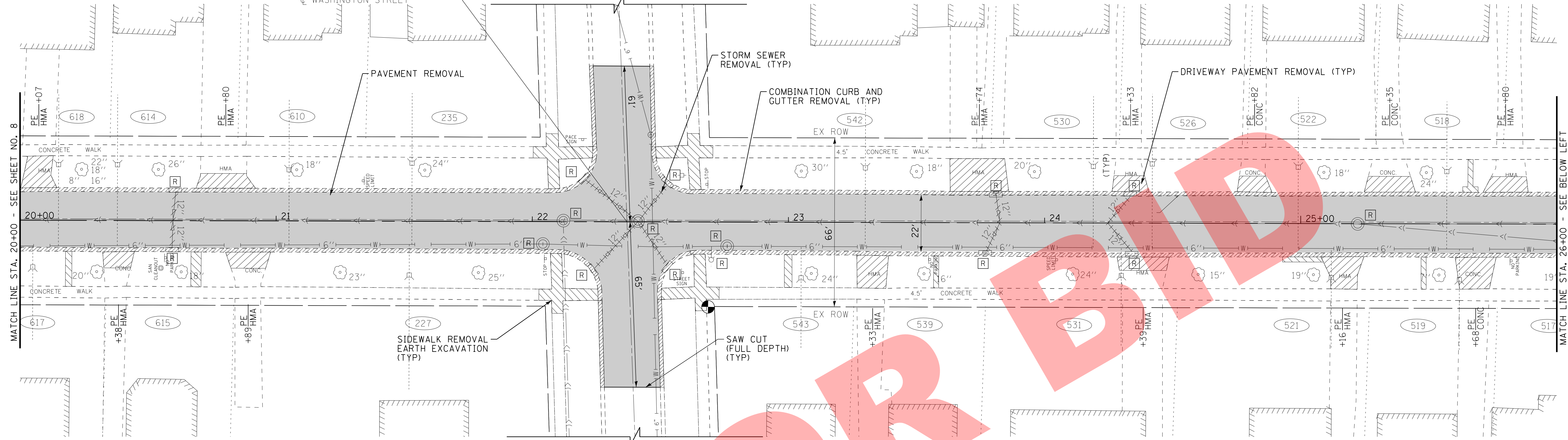
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	N/A	DuPAGE	39	8
CONTRACT NO.				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

MATCH LINE STA. 14+50 - SEE BELOW LEFT

MATCH LINE STA. 20+00 - SEE SHEET NO. 9

WASHINGTON ST.

CL S. MICHIGAN AVENUE STA 22+37
CL WASHINGTON STREET

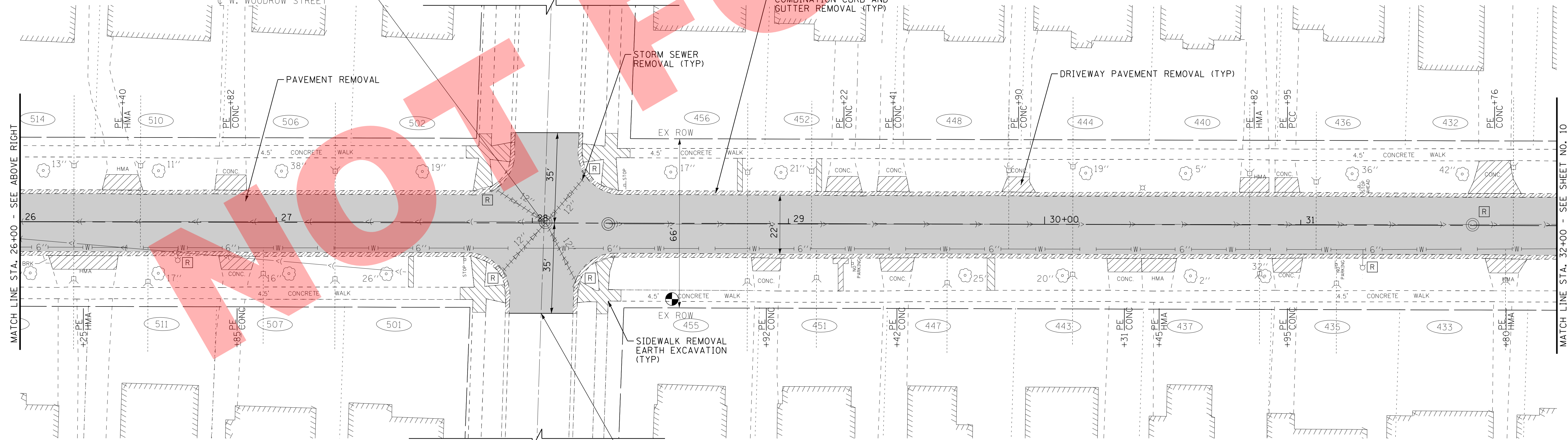


WASHINGTON ST.

S. MICHIGAN AVE

W. WOODROW ST.

CL S. MICHIGAN AVENUE STA 28+05
CL W. WOODROW STREET



W. WOODROW ST.

S. MICHIGAN AVE

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CHECKED - JJF	REVISED -
DATE - 10-18-16	FILE - 13101SHT-REMOVAL2.dgn

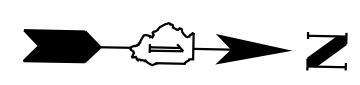
VILLAGE OF VILLA PARK, ILLINOIS
SOUTH MICHIGAN AVENUE

REMOVAL PLAN

SCALE: 1" = 20'

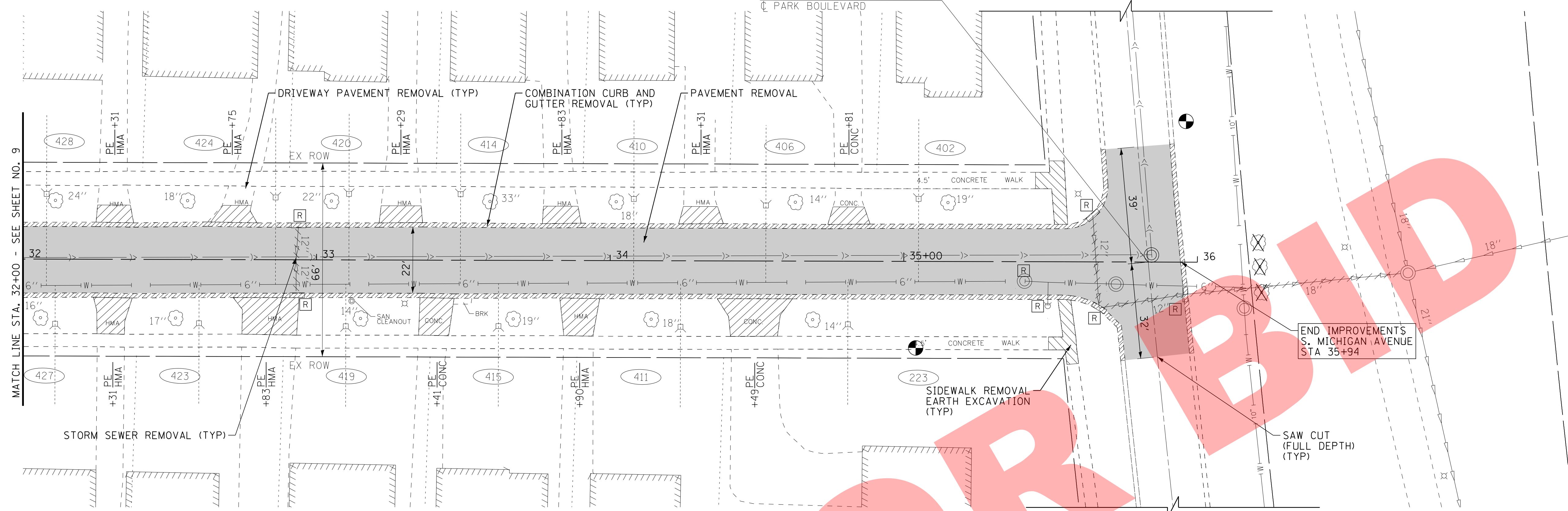
STA. 20+00 TO STA. 32+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	N/A	DuPAGE	39	9
CONTRACT NO.				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



PARK BLVD

S. MICHIGAN AVENUE STA 35+83
PARK BOULEVARD



MATCH LINE STA. 32+00 - SEE SHEET NO. 9

END IMPROVEMENTS
S. MICHIGAN AVENUE
STA 35+94

PARK BLVD

NOT FOR BIDD

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DESIGNED - TMS	REVISED -
DRAWN - MAC	REVISED -
CHECKED - JJF	REVISED -
DATE - 10-18-16	FILE - 13101SHT-REMOVAL3.dgn

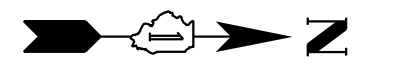
VILLAGE OF VILLA PARK, ILLINOIS
 SOUTH MICHIGAN AVENUE

REMOVAL PLAN

SCALE: 1" = 20'
 STA. 32+00 TO STA. 35+83

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	N/A	DuPAGE	39	10
CONTRACT NO.				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

W. MADISON ST.



AGGREGATE BASE COURSE, TYPE B 6"
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 4"
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2"

AGGREGATE BASE COURSE, TYPE B 4"
COMBINATION CONCRETE CURB
AND GUTTER, TYPE "B-6-12 (SPECIAL)
(TYP)

AGGREGATE BASE COURSE, TYPE B 4"
PCC DRIVEWAY PAVEMENT, 6"
(TYP)

AGGREGATE BASE COURSE, TYPE B 6"
HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 4"
(TYP)

STA 10+30,
25' LT EOP
THERMOPLASTIC PAVEMENT MARKING
LINE 24" (WHITE STOP BAR)

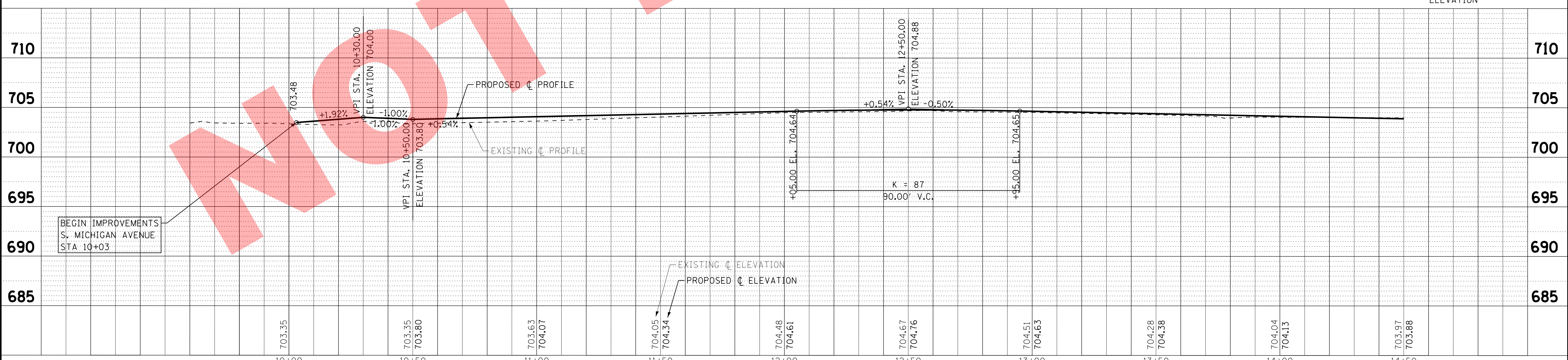
STA 10+29,
25' RT EOP

AGGREGATE BASE COURSE, TYPE B - 4"
PCC SIDEWALK, 5"
DETECTABLE WARNINGS
(TYP)

MATCH LINE STA. 14+50 - SEE SHEET NO. 12

S. MICHIGAN AVE

XXX.XX PROPOSED EOP
ELEVATION



BEGIN IMPROVEMENTS
S. MICHIGAN AVENUE
STA 10+03

BEGIN IMPROVEMENTS
S. MICHIGAN AVENUE
STA 10+03

BAXTER & WOODMAN Consulting Engineers	DESIGNED - JDM	REVISED -
	DRAWN - MAC	REVISED -
	CHECKED - TMS	REVISED -
	DATE - 10-18-16	FILE - 131011SHT-PP1.dgn

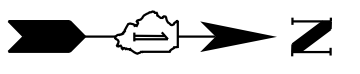
VILLAGE OF VILLA PARK, ILLINOIS
SOUTH MICHIGAN AVENUE

PLAN AND PROFILE

SCALE: H: 1"=20' V: 1"=5'
STA. 9+91 TO STA. 14+50

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	N/A	DUPAGE	39	11
CONTRACT NO.				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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 STA. 10+03
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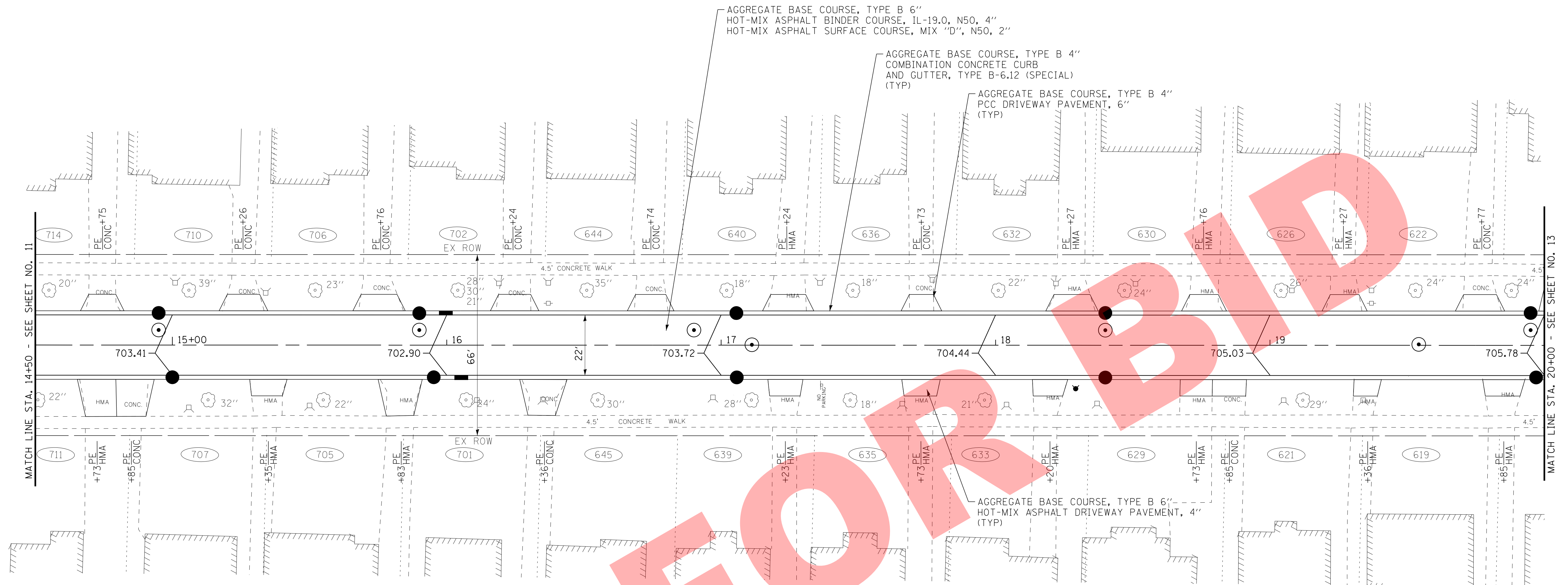


AGGREGATE BASE COURSE, TYPE B 6"
HOT-MIX ASPHALT BINDER COURSE, 1L-19.0, N50, 4"
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2"

AGGREGATE BASE COURSE, TYPE B 4"
COMBINATION CONCRETE CURB
AND GUTTER, TYPE B-6.12 (SPECIAL)
(TYP)

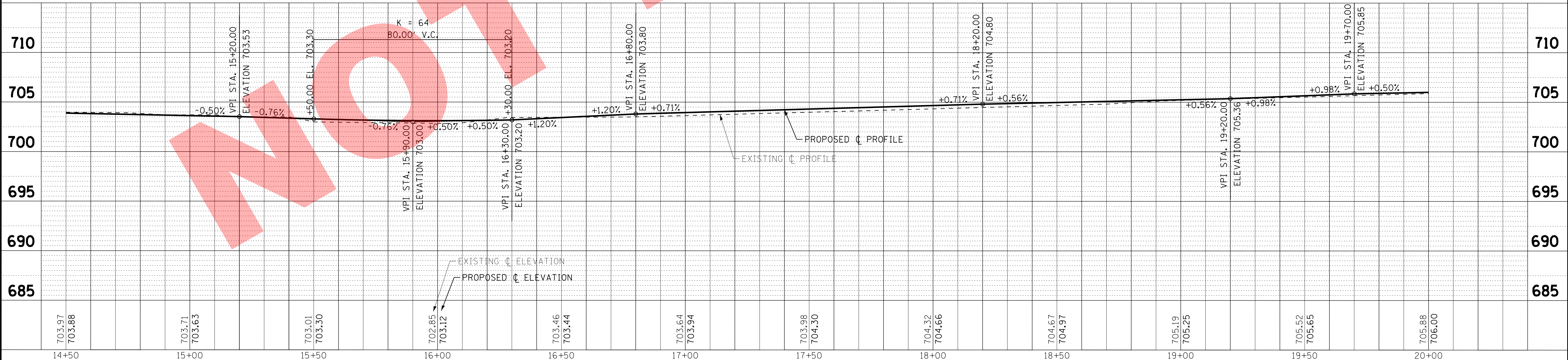
AGGREGATE BASE COURSE, TYPE B 4"
PCC DRIVEWAY PAVEMENT, 6"
(TYP)

AGGREGATE BASE COURSE, TYPE B 6"
HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 4"
(TYP)



S. MICHIGAN AVE

XXX.XX PROPOSED EOP
ELEVATION



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DESIGNED - JDM	REVISED -
DRAWN - MAC	REVISED -
CHECKED - TMS	REVISED -
DATE - 10-18-16	FILE - 131011SHT-PP2.dgn

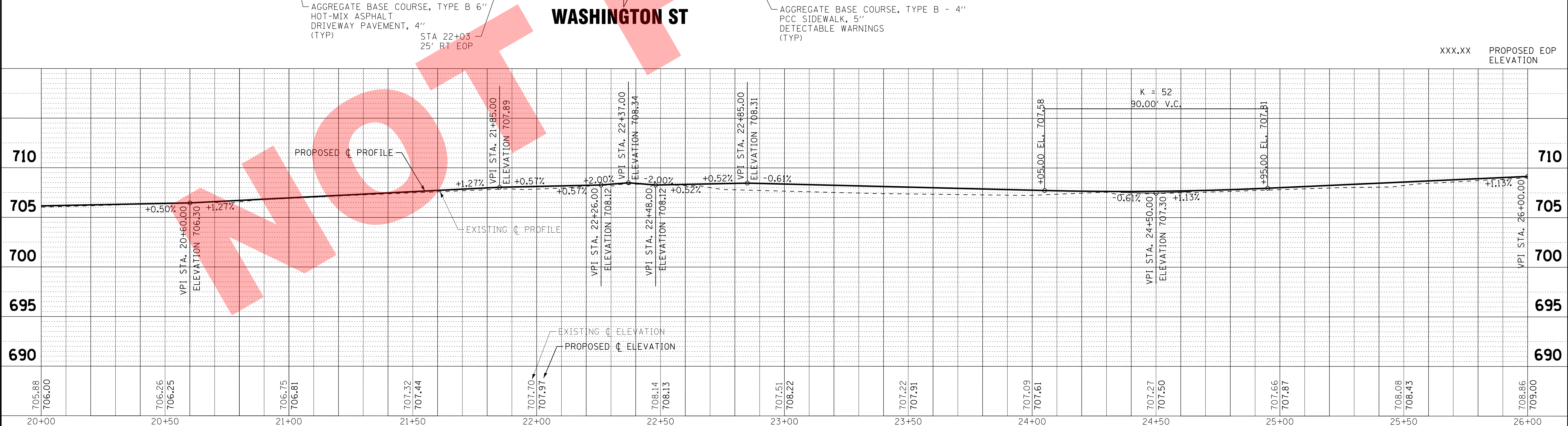
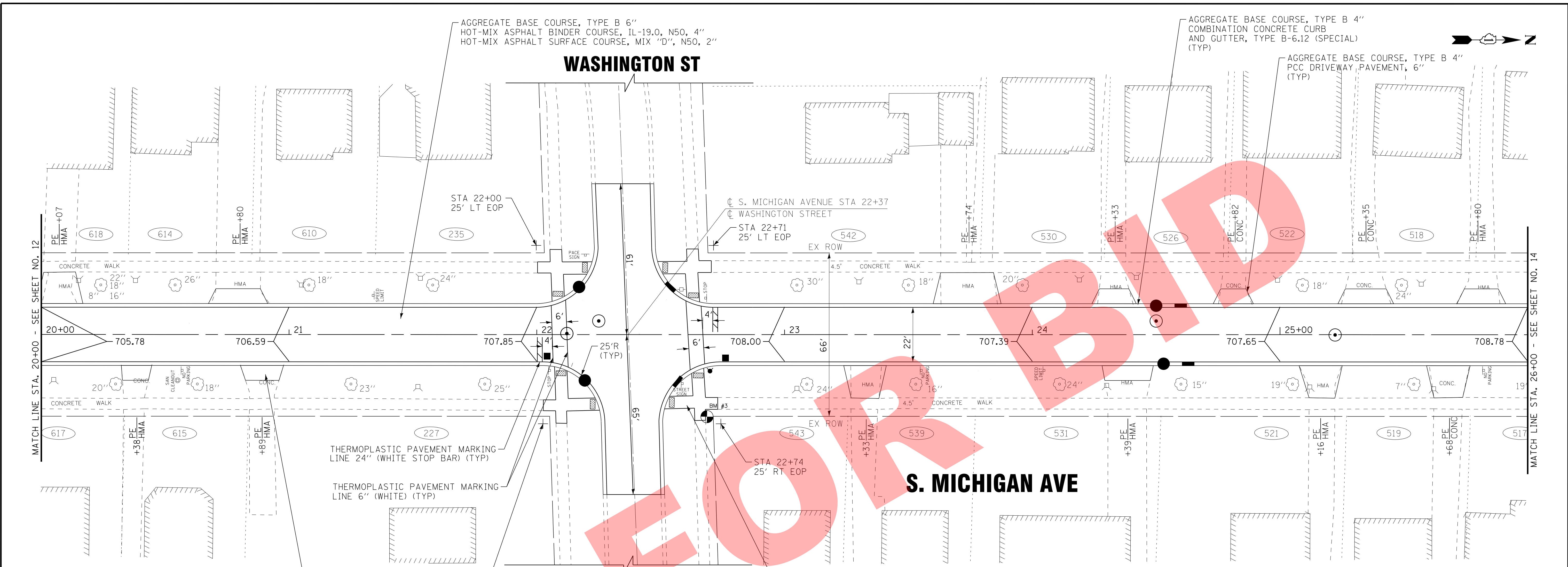
VILLAGE OF VILLA PARK, ILLINOIS
SOUTH MICHIGAN AVENUE

PLAN AND PROFILE

SCALE: H: 1"=20' V: 1"=5' STA. 14+50 TO STA. 20+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	N/A	DUPAGE	39	12
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO.	

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Station	Existing Elevation	Proposed Elevation
20+00	705.88	706.00
20+50	706.26	706.25
21+00	706.75	706.81
21+50	707.32	707.44
22+00	707.70	707.97
22+50	708.14	708.13
23+00	707.51	708.22
23+50	707.22	707.91
24+00	707.09	707.61
24+50	707.27	707.50
25+00	707.66	707.87
25+50	708.08	708.43
26+00	708.86	709.00

BAXTER & WOODMAN
Consulting Engineers

DESIGNED - JDM	REVISED -
DRAWN - MAC	REVISED -
CHECKED - TMS	REVISED -
DATE - 10-18-16	FILE - 131011SHT-PP3.dgn

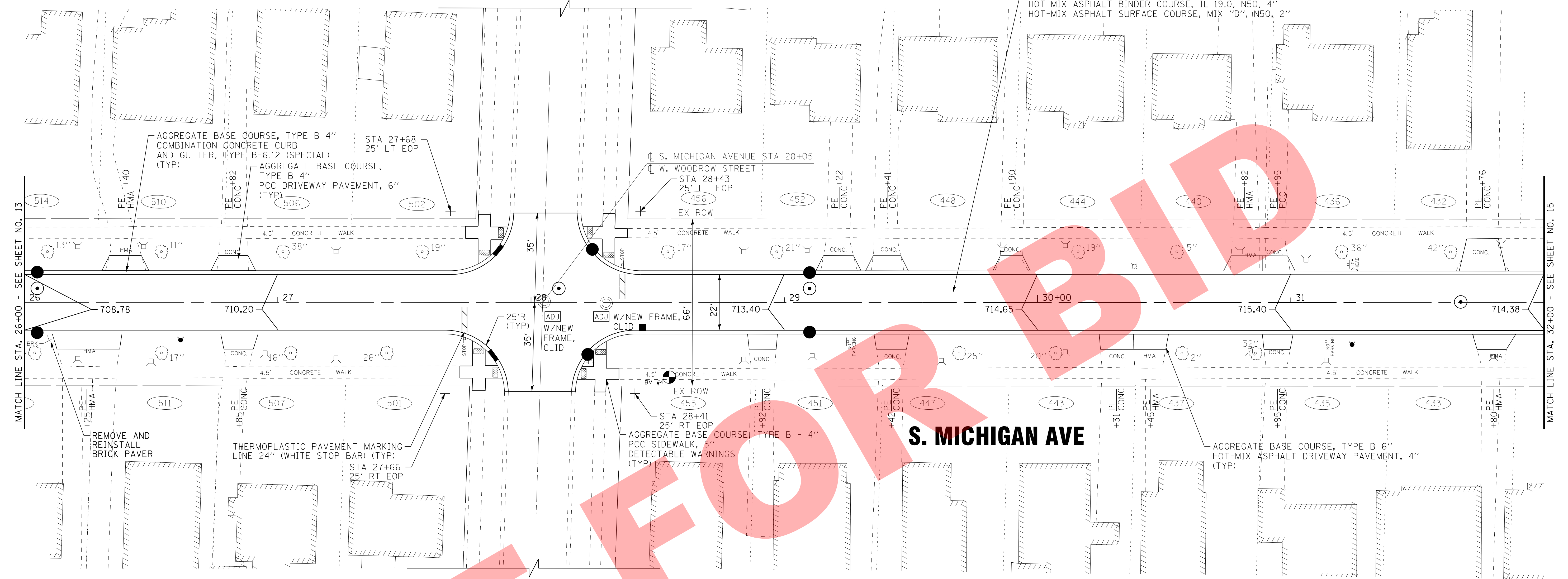
**VILLAGE OF VILLA PARK, ILLINOIS
SOUTH MICHIGAN AVENUE**

PLAN AND PROFILE

SCALE: H: 1"=20' V: 1"=5' STA. 20+00 TO STA. 26+00

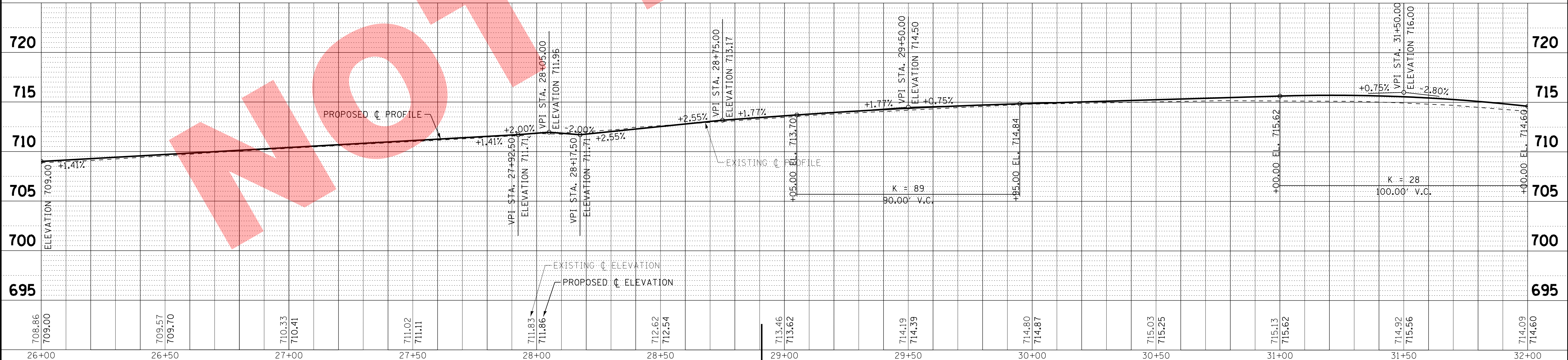
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	N/A	DUPAGE	39	13
CONTRACT NO.				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

W. WOODROW ST.



W. WOODROW ST.

S. MICHIGAN AVE



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BAXTER & WOODMAN
Consulting Engineers

DESIGNED - JDM	REVISED -
DRAWN - MAC	REVISED -
CHECKED - TMS	REVISED -
DATE - 10-18-16	FILE - 131011SHT-PP4.dgn

**VILLAGE OF VILLA PARK, ILLINOIS
SOUTH MICHIGAN AVENUE**

PLAN AND PROFILE

SCALE: H: 1"=20' V: 1"=5' STA. 26+00 TO STA. 32+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	N/A	DUPAGE	39	14
CONTRACT NO.				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

AGGREGATE BASE COURSE, TYPE B 6"
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 4"
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2"

AGGREGATE BASE COURSE, TYPE B 4"
COMBINATION CONCRETE CURB
AND GUTTER, TYPE B-6.12 (SPECIAL)
(TYP)

AGGREGATE BASE COURSE, TYPE B 4"
PCC DRIVEWAY PAVEMENT, 6"
(TYP)

PARK BLVD

W20-1
30" X 30"
(INCLUDED IN
TRAFFIC CONTROL
AND PROTECTION)

W24-1
30" X 30"
(INCLUDED IN
TRAFFIC CONTROL
AND PROTECTION)

LIMESTONE SCREENINGS FA-5, 2"
AGGREGATE BASE COURSE TYPE B, 6"
GEOTECHNICAL FABRIC

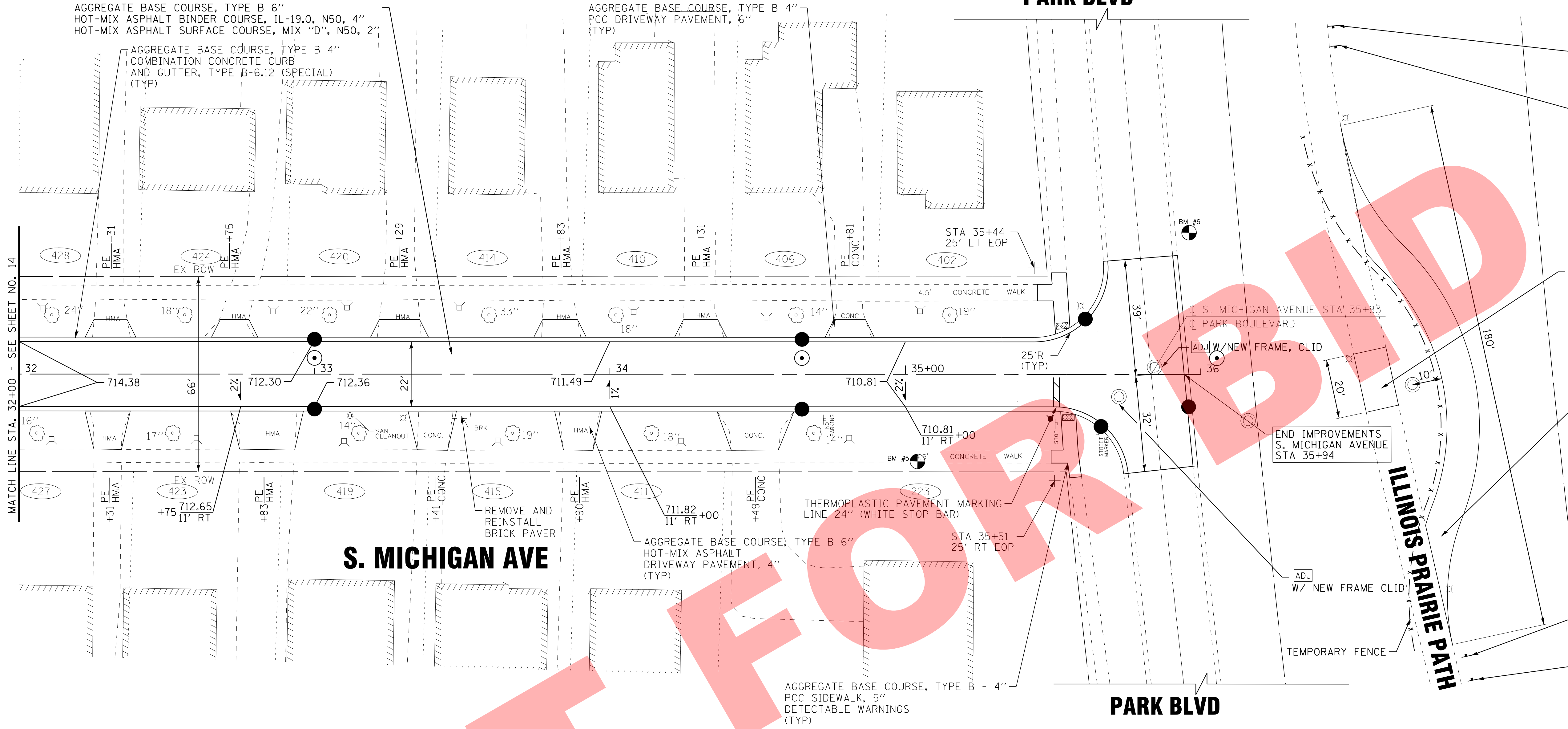
TEMPORARILY RELOCATE EXISTING
BIKE PATH (PAID FOR AS EARTH EXCAVATION
ITEMS PAID FOR SEPARATELY
LIMESTONE SCREENINGS FA-5, 2"
AGGREGATE BASE COURSE TYPE B, 6"
AND PARKWAY RESTORATION)

W24-1
30" X 30"
(INCLUDED IN
TRAFFIC CONTROL
AND PROTECTION)

W20-1
30" X 30"
(INCLUDED IN
TRAFFIC CONTROL
AND PROTECTION)

XXX.XX PROPOSED EOP
ELEVATION

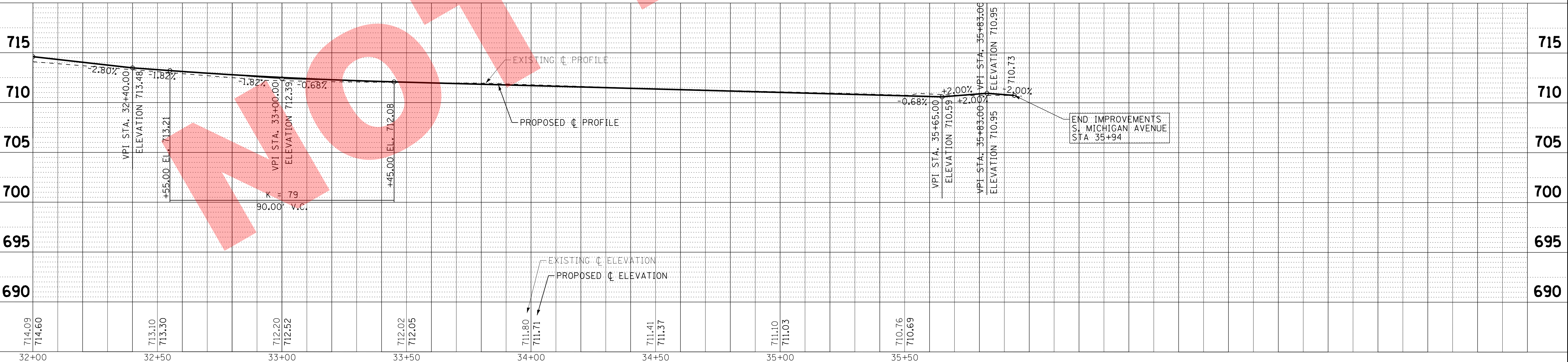
MATCH LINE STA. 32+00 - SEE SHEET NO. 14



S. MICHIGAN AVE

PARK BLVD

ILLINOIS PRAIRIE PATH



714.09 714.60	713.10 713.30	712.20 712.52	712.02 712.05	711.80 711.71	711.41 711.37	711.10 711.03	710.76 710.69
32+00	32+50	33+00	33+50	34+00	34+50	35+00	35+50

DESIGNED - JDM	REVISED -
DRAWN - MAC	REVISED -
CHECKED - TMS	REVISED -
DATE - 10-18-16	FILE - 131011SHT-PP5.dgn

VILLAGE OF VILLA PARK, ILLINOIS	
SOUTH MICHIGAN AVENUE	
PLAN AND PROFILE	
SCALE: H: 1"=20' V: 1"=5'	STA. 32+50 TO STA. 36+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	N/A	DUPAGE	39	15
CONTRACT NO.				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

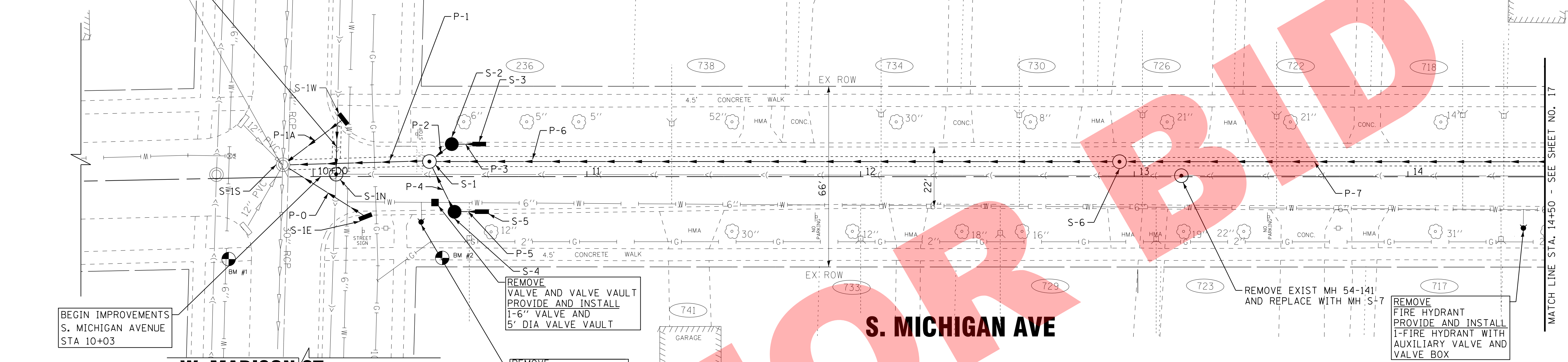
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 STA. 32+00 - SEE SHEET NO. 14
 LICENSE NO. 184-00121 - EXPIRES 4/30/2017
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W. MADISON ST.



REMOVE AND REPLACE
10 LF OF COMBINED SEWER

CL S. MICHIGAN AVENUE STA 9+91
CL W. MADISON STREET



BEGIN IMPROVEMENTS
S. MICHIGAN AVENUE
STA 10+03

REMOVE
VALVE AND VALVE VAULT
PROVIDE AND INSTALL
1-6" VALVE AND
5" DIA VALVE VAULT

REMOVE
FIRE HYDRANT
PROVIDE AND INSTALL
1-FIRE HYDRANT WITH
AUXILIARY VALVE AND
VALVE BOX

REMOVE EXIST MH 54-141
AND REPLACE WITH MH S-7

REMOVE
FIRE HYDRANT
PROVIDE AND INSTALL
1-FIRE HYDRANT WITH
AUXILIARY VALVE AND
VALVE BOX

W. MADISON ST.

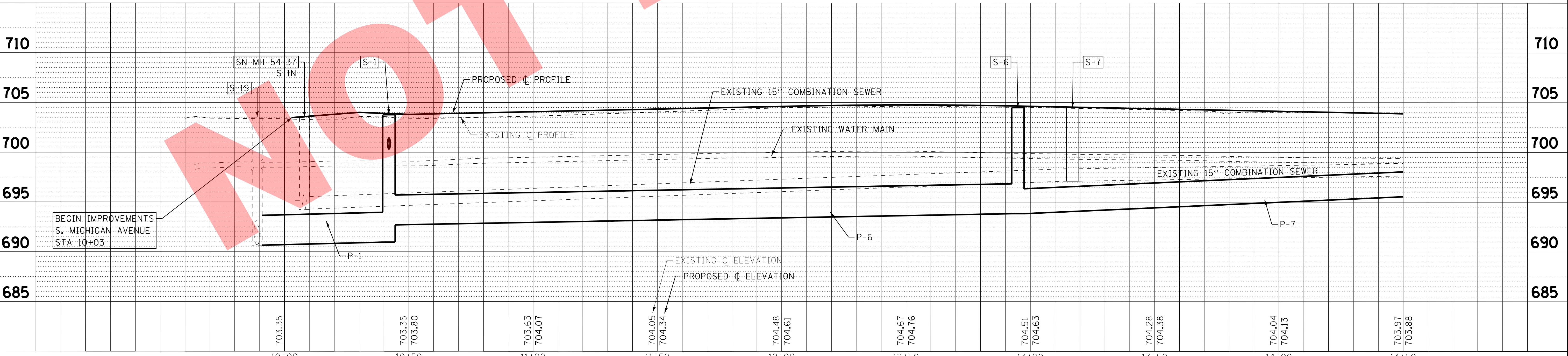
S. MICHIGAN AVE

STORM PIPES

NO.	TYPE	TY	DIA (IN)	LENGTH (FT)	SLOPE	TBF (CU YD)
P-0	STORM SEWERS (WATER MAIN QUALITY)	2	12	33	2.52%	22.4
P-1A	STORM SEWERS (WATER MAIN QUALITY)	2	12	24	2.75%	7.9
P-1	STORM SEWER (WATER MAIN REQUIREMENTS) EQUIVALENT ROUND-SIZE	2	36	53	0.51%	160.1
P-2	STORM SEWERS, RUBBER GASKET, CLASS A	1	12	10	1.00%	2.6
P-3	STORM SEWERS, RUBBER GASKET, CLASS A	1	12	10	1.00%	2.4
P-4	STORM SEWERS (WATER MAIN QUALITY)	1	12	20	1.00%	4.7
P-5	STORM SEWERS, RUBBER GASKET, CLASS A	1	12	10	1.00%	2.4
P-6	STORM SEWERS, RUBBER GASKET, CLASS A	2	36	252	0.45%	523.2
P-7	STORM SEWERS, RUBBER GASKET, CLASS A	2	30	200	1.09%	326.2

STORM STRUCTURES

LABEL	STATION	OFFSET (FT)	TYPE	FRAME	ELEVATION	RIM/EOP	INVERTS
S-1S	9+89	4.5	LT	EXISTING MANHOLE	703.52	RIM	EX 690.69 30° E, EX 690.69 24° W, 698.27 12° NE, EX 698.12 12° SW SE NW, 690.69 36° N
S-1E	10+21	13.0	RT	INLET TYPE A	703.57	EOP	699.10 12° SW
S-1W	10+11	20.5	LT	INLET TYPE A	703.22	EOP	699.78 12° SE
S-1N	10+08	1.0	LT	SAN MANHOLES TYPE A, 4' DIA	703.56	RIM	EX 694.24 24° E, EX 694.24 10° S, EX 694.24 24° W, EX 694.24 15° N
S-1	10+42	5.5	LT	MANHOLES TYPE A, 5' DIA	703.77	RIM	690.96 36° S, 692.70 36° N, 700.43 12° NW, 700.33 12° NE
S-2	10+51	11.0	LT	CATCH BASIN TYPE C	703.59	EOP	700.53 12° SE, 700.53 12° N
S-3	10+61	11.0	LT	INLET TYPE A	703.64	EOP	700.63 12° S
S-4	10+52	12.0	RT	CATCH BASIN TYPE C	703.57	EOP	700.53 12° SW, 700.53 12° N
S-5	10+62	12.0	RT	INLET TYPE A	703.63	EOP	700.63 12° S
S-6	12+95	5.5	LT	MANHOLES TYPE A, 5' DIA	704.55	RIM	693.84 36° S, 693.84 30° N
S-7	13+17	0.0	CL	SAN MANHOLES TYPE A, 4' DIA	704.54	RIM	EX 697.11 15° S, EX 697.11 15° N



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DESIGNED - JDM	REVISED - 04-07-16
DRAWN - MAC	REVISED -
CHECKED - TMS	REVISED -
DATE - 10-18-16	FILE - 131011SHT-DUI.dgn

VILLAGE OF VILLA PARK, ILLINOIS
SOUTH MICHIGAN AVENUE

DRAINAGE AND UTILITIES

SCALE: H: 1"=20' V: 1"=5' STA. 9+91 TO STA. 14+50

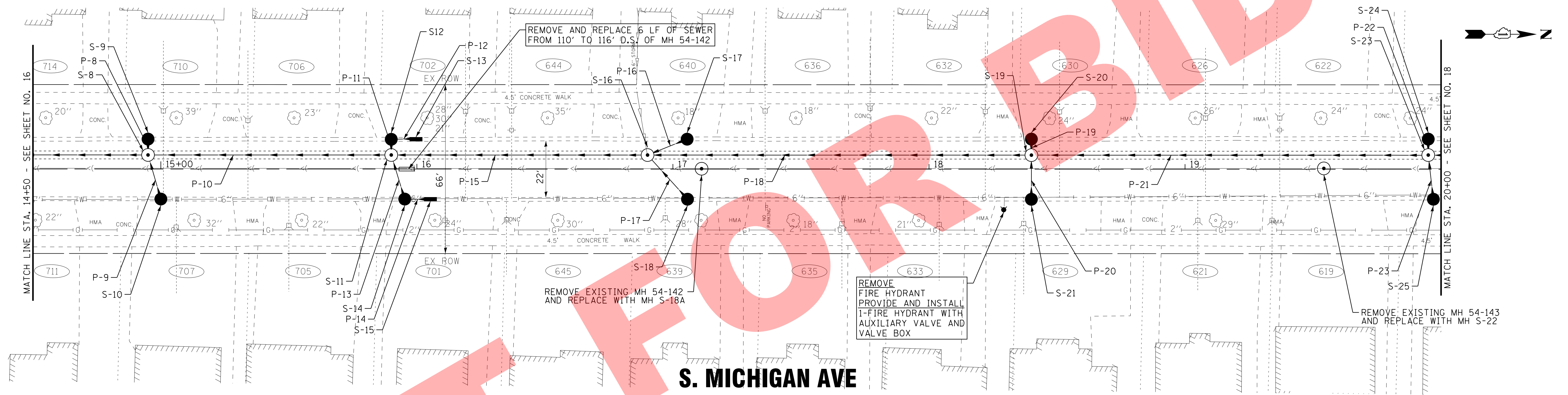
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	N/A	DUPAGE	39	16
CONTRACT NO.				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

STORM STRUCTURES

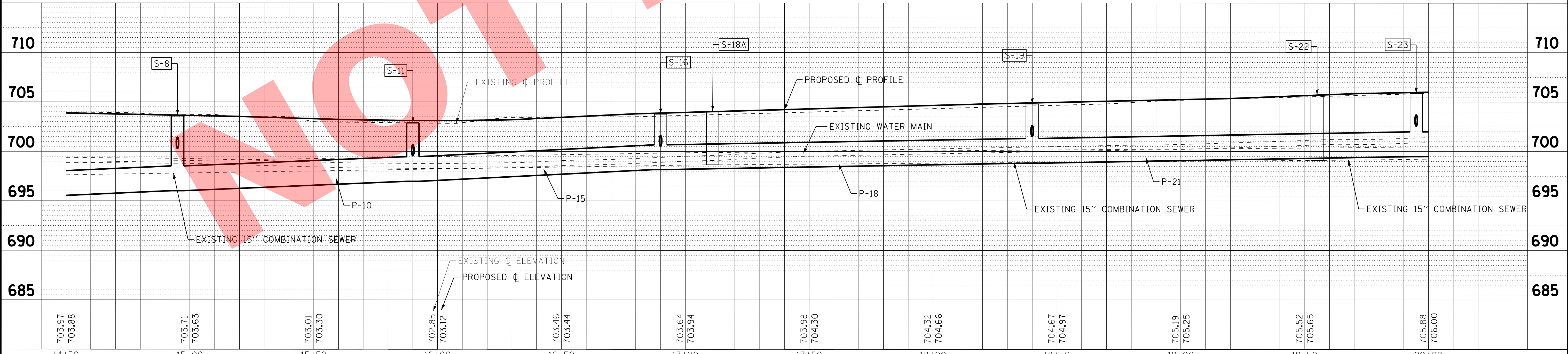
LABEL	STATION	OFFSET (FT)	TYPE	FRAME	ELEVATION	RIM/EOP	INVERTS
S-8	14+95	5.5	LT MANHOLES TYPE A, 5' DIA	TY 1 CL	703.55	RIM	696.02 30" S, 696.02 30" N, 700.43 12" W, 700.29 12" E
S-9	14+95	11.0	LT CATCH BASIN TYPE C	T-11 F&G	703.44	EOP	700.49 12" E
S-10	15+00	11.0	RT CATCH BASIN TYPE C	T-11 F&G	703.41	EOP	700.47 12" E
S-11	15+90	5.5	LT MANHOLES TYPE A, 5' DIA	TY 1 CL	702.97	RIM	697.10 30" S, 697.10 30" N, 699.67 12" W, 699.55 12" E
S-12	15+90	11.0	LT CATCH BASIN TYPE C	T-11 F&G	702.86	EOP	699.73 12" E, 699.73 12" N
S-13	16+00	11.0	LT INLET TYPE A	T-11 F&G	702.86	EOP	699.83 12" S
S-14	15+95	11.0	RT CATCH BASIN TYPE C	T-11 F&G	702.86	EOP	699.73 12" W, 699.73 12" N
S-15	16+05	11.0	RT INLET TYPE A	T-11 F&G	702.87	EOP	699.83 12" S
S-16	16+90	5.5	LT MANHOLES TYPE A, 5' DIA	TY 1 CL	703.76	RIM	698.17 30" S, EX 698.17 30" N, 700.60 12" NW, 700.53 12" NE
S-17	17+06	11.0	LT CATCH BASIN TYPE C	T-11 F&G	703.77	EOP	700.77 12" SE
S-18	17+06	11.0	RT CATCH BASIN TYPE C	T-11 F&G	703.77	EOP	700.77 12" SW
S-18A	17+11	0.0	CL SAN MANHOLES TYPE A, 4' DIA	TY 1 CL	704.02	RIM	EX 698.65 15" S, EX 698.65 15" N
S-19	18+40	5.5	LT MANHOLES TYPE A, 5' DIA	TY 1 CL	704.80	RIM	698.82 30" S, 698.82 30" N, 701.63 12" W, 701.51 12" E
S-20	18+40	11.0	LT CATCH BASIN TYPE C	T-11 F&G	704.69	EOP	701.69 12" E
S-21	18+40	11.0	RT CATCH BASIN TYPE C	T-11 F&G	704.69	EOP	701.69 12" W
S-22	19+55	0.0	CL SAN MANHOLES TYPE A, 4' DIA	TY 1 CL	705.70	RIM	EX 699.11 15" S, EX 699.11 15" N
S-23	19+95	5.5	LT MANHOLES TYPE A, 5' DIA	TY 1 CL	705.87	RIM	699.49 30" S, 699.49 30" N, 702.70 12" W, 702.58 12" E
S-24	19+95	11.0	LT CATCH BASIN TYPE C	T-11 F&G	705.76	EOP	702.76 12" E
S-25	19+97	11.0	RT CATCH BASIN TYPE C	T-11 F&G	705.76	EOP	702.76 12" W

STORM PIPES

NO.	TYPE	TY	DIA (IN)	LENGTH (FT)	SLOPE	TBF (CU YD)
P-8	STORM SEWERS, RUBBER GASKET, CLASS A	1	12	6	1.00%	1.4
P-9	STORM SEWERS (WATER MAIN QUALITY)	1	12	18	1.00%	4.5
P-10	STORM SEWERS, RUBBER GASKET, CLASS A	2	30	95	1.14%	86.4
P-11	STORM SEWERS, RUBBER GASKET, CLASS A	1	12	6	1.00%	1.5
P-12	STORM SEWERS, RUBBER GASKET, CLASS A	1	12	10	1.00%	2.5
P-13	STORM SEWERS (WATER MAIN QUALITY)	1	12	18	1.00%	4.8
P-14	STORM SEWERS (WATER MAIN QUALITY)	1	12	10	1.00%	2.5
P-15	STORM SEWERS, RUBBER GASKET, CLASS A	1	30	100	1.07%	86.4
P-16	STORM SEWERS, RUBBER GASKET, CLASS A	1	12	17	1.00%	4.2
P-17	STORM SEWERS (WATER MAIN QUALITY)	1	12	24	1.00%	6.0
P-18	STORM SEWERS, RUBBER GASKET, CLASS A	2	30	150	0.43%	132.9
P-19	STORM SEWERS, RUBBER GASKET, CLASS A	1	12	6	1.00%	1.5
P-20	STORM SEWERS (WATER MAIN QUALITY)	1	12	18	1.00%	4.5
P-21	STORM SEWERS, RUBBER GASKET, CLASS A	2	30	155	0.43%	151.3
P-22	STORM SEWERS, RUBBER GASKET, CLASS A	1	12	6	1.00%	1.5
P-23	STORM SEWERS (WATER MAIN QUALITY)	1	12	18	1.00%	4.5



S. MICHIGAN AVE

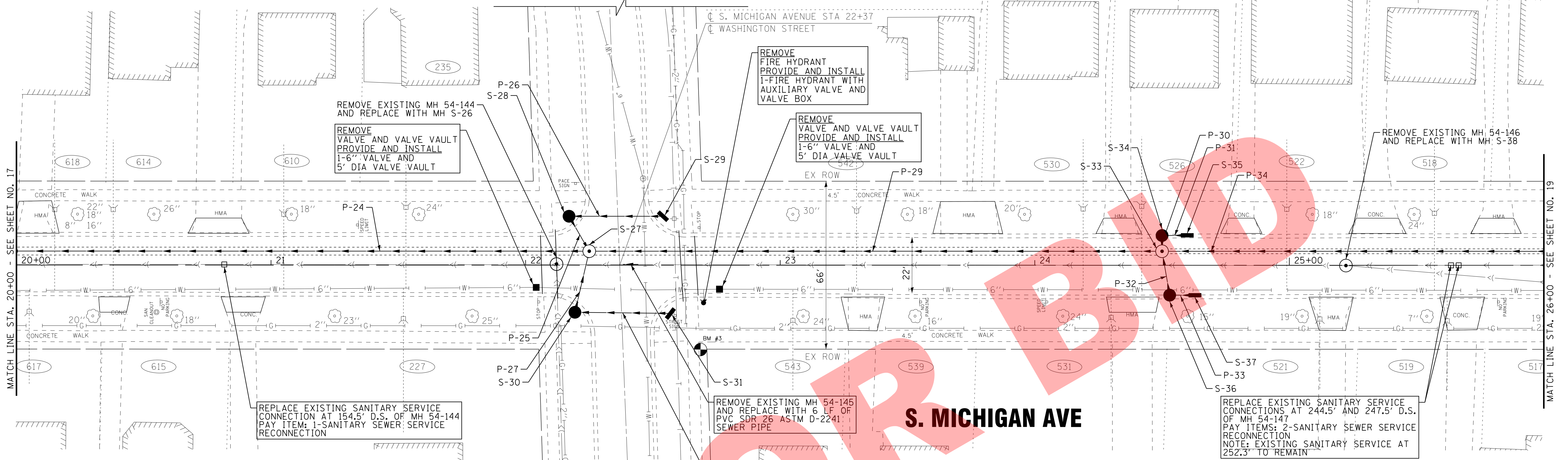
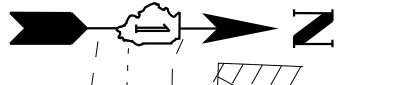


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BAXTER & WOODMAN Consulting Engineers	DESIGNED - JDM	REVISED -	VILLAGE OF VILLA PARK, ILLINOIS SOUTH MICHIGAN AVENUE	DRAINAGE AND UTILITIES	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - MAC	REVISED -			N/A	N/A	DUPAGE	39	17
	CHECKED - TMS	REVISED -			CONTRACT NO.				
	DATE - 10-18-16	FILE - 131011SHT-DU2.dgn		SCALE: H: 1"=20' V: 1"=5'	STA. 14+50	TO STA. 20+00			
					FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

WASHINGTON ST

S. MICHIGAN AVENUE STA 22+37
WASHINGTON STREET



STORM PIPES

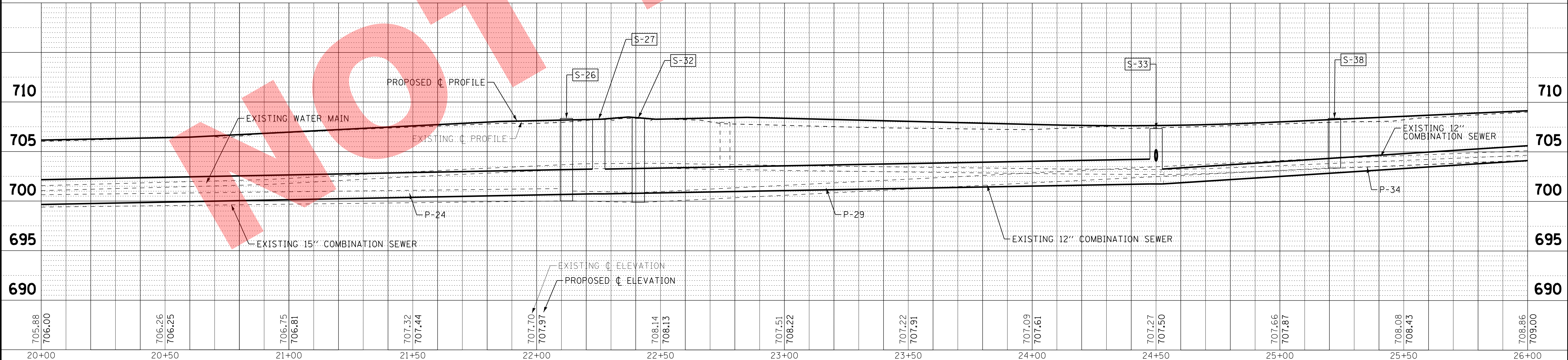
NO.	TYPE	TY	DIA (IN)	LENGTH (FT)	SLOPE	TBF (CU YD)
P-24	STORM SEWERS, RUBBER GASKET, CLASS A	2	30	230	0.48%	266.1
P-25	STORM SEWERS, RUBBER GASKET, CLASS A	1	12	16	1.50%	4.3
P-26	STORM SEWERS, RUBBER GASKET, CLASS A	1	12	37	0.51%	8.7
P-27	STORM SEWERS (WATER MAIN QUALITY)	1	12	25	1.16%	7.0
P-28	STORM SEWERS (WATER MAIN QUALITY)	1	12	37	0.51%	8.7
P-29	STORM SEWERS, RUBBER GASKET, CLASS A	2	30	225	0.45%	240.1
P-30	STORM SEWERS, RUBBER GASKET, CLASS A	1	12	6	1.00%	1.5
P-31	STORM SEWERS, RUBBER GASKET, CLASS A	1	12	10	1.00%	2.4
P-32	STORM SEWERS (WATER MAIN QUALITY)	1	12	18	1.00%	4.6
P-33	STORM SEWERS (WATER MAIN QUALITY)	1	12	10	1.00%	2.5
P-34	STORM SEWERS, RUBBER GASKET, CLASS A	2	18	155	0.99%	134.2

STORM STRUCTURES

LABEL	STATION	OFFSET (FT)	TYPE	FRAME	ELEVATION	RIM/EOP	INVERTS
S-26	22+12	0.0	CL SAN MANHOLES TYPE A, 4' DIA	TY 1 CL	708.18	RIM	EX 699.87 15" S, EX 699.87 12" N
S-27	22+25	5.5	LT MANHOLES TYPE A, 5' DIA	TY 1 CL	708.17	RIM	700.59 30" S, 700.59 30" N, 704.65 12" SW, 704.44 12" SE
S-28	22+17	19.0	LT CATCH BASIN TYPE A, 4' DIA	T-11 F&G	707.97	EOP	704.89 12" NE, 704.89 12" N
S-29	22+55	19.0	LT INLET TYPE A	T-11 F&G	708.08	EOP	705.08 12" S
S-30	22+19	19.0	RT CATCH BASIN TYPE A, 4' DIA	T-11 F&G	707.81	EOP	704.73 12" NW, 704.73 12" N
S-31	22+56	19.0	RT INLET TYPE A	T-11 F&G	707.92	EOP	704.92 12" S
S-32			NOT USED				
S-33	24+50	5.5	LT MANHOLES TYPE A, 5' DIA	TY 1 CL	707.30	RIM	701.60 30" S, 701.60 18" N, 704.05 12" W, 703.93 12" E
S-34	24+50	11.0	LT CATCH BASIN TYPE C	T-11 F&G	707.19	EOP	704.11 12" E, 704.11 12" N
S-35	24+80	11.0	LT INLET TYPE A	T-11 F&G	707.23	EOP	704.21 12" S
S-36	24+53	11.0	RT CATCH BASIN TYPE C	T-11 F&G	707.20	EOP	704.11 12" W, 704.11 12" N
S-37	24+83	11.0	RT INLET TYPE A	T-11 F&G	707.25	EOP	704.21 12" S
S-38	25+22	0.0	CL SAN MANHOLES TYPE A, 4' DIA	TY 1 CL	708.12	RIM	EX 703.21 12" S, EX 703.21 12" N, EX 703.21 12" NE

WASHINGTON ST

S. MICHIGAN AVE



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DATE - 10-18-16	FILE - 131011SHT-DU3.dgn

VILLAGE OF VILLA PARK, ILLINOIS
SOUTH MICHIGAN AVENUE

DRAINAGE AND UTILITIES

SCALE: H: 1"=20' V: 1"=5'
STA. 20+00 TO STA. 26+00

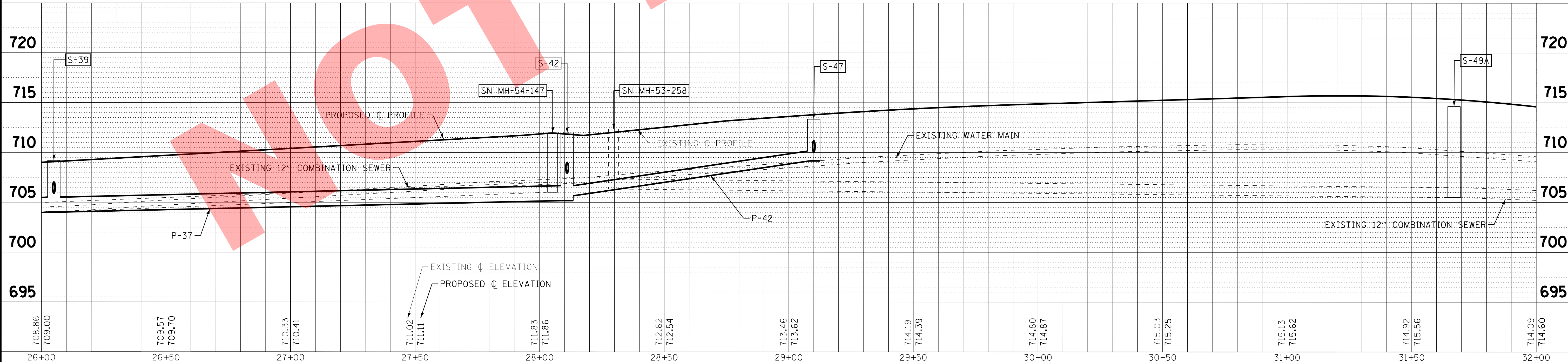
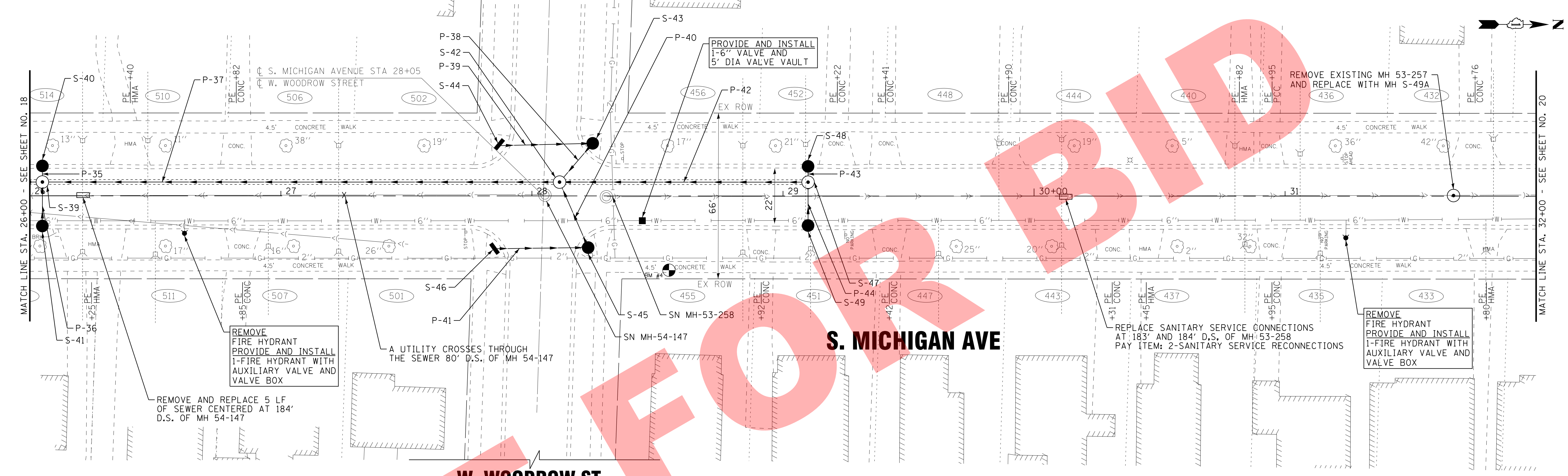
F.A. RT.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	N/A	DUPAGE	39	18
CONTRACT NO.				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

STORM PIPES

NO.	TYPE	TY	DIA (IN)	LENGTH (FT)	SLOPE	TBF (CU YD)
P-35	STORM SEWERS, RUBBER GASKET, CLASS A	1	12	6	1.00%	1.3
P-36	STORM SEWERS (WATER MAIN QUALITY)	1	12	18	1.00%	4.1
P-37	STORM SEWERS, RUBBER GASKET, CLASS A	2	18	206	0.99%	193.2
P-38	STORM SEWERS, RUBBER GASKET, CLASS A	1	12	20	1.00%	6.2
P-39	STORM SEWERS, RUBBER GASKET, CLASS A	1	12	37	0.51%	10.3
P-40	STORM SEWERS (WATER MAIN QUALITY)	1	12	28	1.00%	9.0
P-41	STORM SEWERS (WATER MAIN QUALITY)	1	12	37	0.51%	10.3
P-42	STORM SEWERS, RUBBER GASKET, CLASS A	2	12	99	3.00%	78.4
P-43	STORM SEWERS, RUBBER GASKET, CLASS A	1	12	6	1.00%	1.7
P-44	STORM SEWERS (WATER MAIN QUALITY)	1	12	18	1.00%	5.2

STORM STRUCTURES

LABEL	STATION	OFFSET (FT)	TYPE	FRAME	ELEVATION	RIM/EOP	INVERTS
S-39	26+05	5.5	LT	MANHOLES TYPE A, 4' DIA	TY 1 CL	708.96	RIM 703.13 18" S, 703.13 18" N, 706.03 12" W, 705.91 12" E
S-40	26+05	11.0	LT	CATCH BASIN TYPE C	T-11 F&G	708.85	EOP 706.09 12" E
S-41	26+05	11.0	RT	CATCH BASIN TYPE C	T-11 F&G	708.85	EOP 706.09 12" W
S-42	28+11	5.5	LT	MANHOLES TYPE A, 4' DIA	TY 1 CL	711.78	RIM 705.17 18" S, 705.67 12" N, 708.01 12" NW, 707.93 12" NE
S-43	28+23	20.0	LT	CATCH BASIN TYPE A, 4' DIA	T-11 F&G	712.06	EOP 708.30 12" SE, 708.30 12" S
S-44	27+87	20.0	LT	INLET TYPE A	T-11 F&G	711.49	EOP 708.49 12" N
S-45	28+22	20.0	RT	CATCH BASIN TYPE A, 4' DIA	T-11 F&G	711.98	EOP 708.21 12" SW, 708.21 12" S
S-46	27+86	20.0	RT	INLET TYPE A	T-11 F&G	711.40	EOP 708.40 12" N
S-47	29+10	5.5	LT	MANHOLES TYPE A, 4' DIA	TY 1 CL	713.68	RIM 708.64 12" S, 710.18 12" W, 710.06 12" E
S-48	29+10	11.0	LT	CATCH BASIN TYPE C	T-11 F&G	713.57	EOP 710.24 12" E
S-49	29+10	11.0	RT	CATCH BASIN TYPE C	T-11 F&G	713.57	EOP 710.24 12" W
S-49A	31+67	0.0	CL	SAN MANHOLES TYPE A, 4' DIA	TY 1 CL	715.33	RIM EX 705.50 12" S, EX 705.50 12" N



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DRAWN - MAC	REVISED -
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DATE - 10-18-16	FILE - 131011SHT-DU4.dgn

VILLAGE OF VILLA PARK, ILLINOIS
SOUTH MICHIGAN AVENUE

DRAINAGE AND UTILITIES

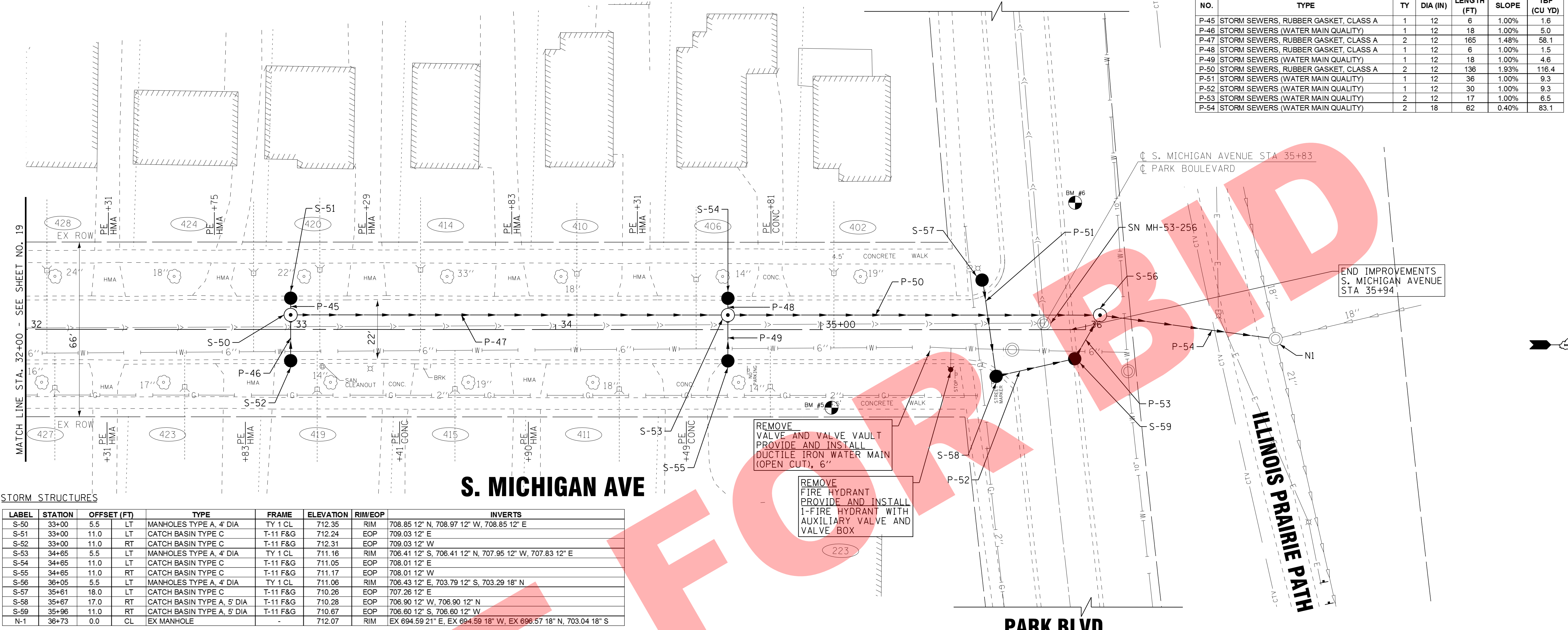
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STA. 26+00 TO STA. 32+00

F.A. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	N/A	DUPAGE	39	19
CONTRACT NO.				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

PARK BLVD

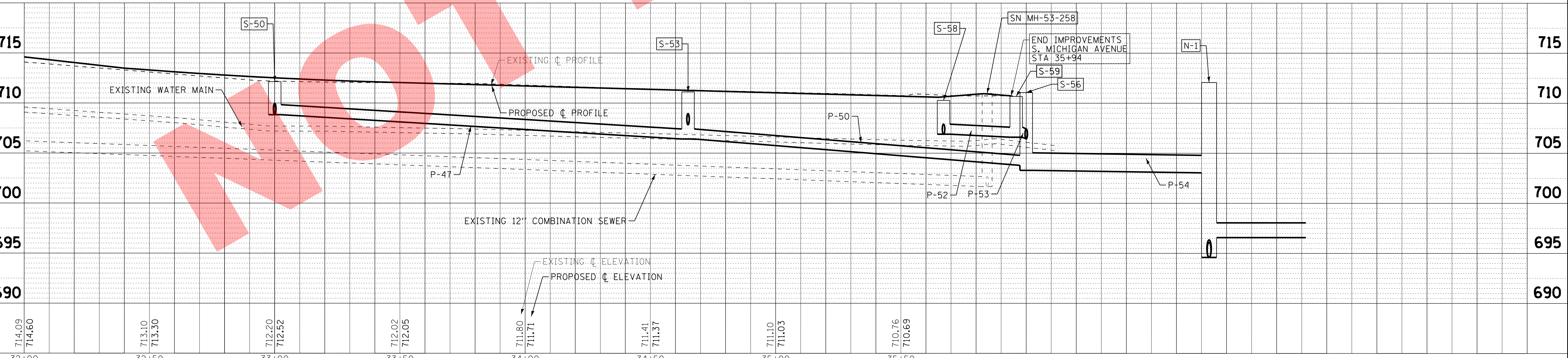
STORM PIPES

NO.	TYPE	TY	DIA (IN)	LENGTH (FT)	SLOPE	TBF (CU YD)
P-45	STORM SEWERS, RUBBER GASKET, CLASS A	1	12	6	1.00%	1.6
P-46	STORM SEWERS (WATER MAIN QUALITY)	1	12	18	1.00%	5.0
P-47	STORM SEWERS, RUBBER GASKET, CLASS A	2	12	165	1.48%	58.1
P-48	STORM SEWERS, RUBBER GASKET, CLASS A	1	12	6	1.00%	1.5
P-49	STORM SEWERS (WATER MAIN QUALITY)	1	12	18	1.00%	4.6
P-50	STORM SEWERS, RUBBER GASKET, CLASS A	2	12	136	1.93%	116.4
P-51	STORM SEWERS (WATER MAIN QUALITY)	1	12	36	1.00%	9.3
P-52	STORM SEWERS (WATER MAIN QUALITY)	1	12	30	1.00%	9.3
P-53	STORM SEWERS (WATER MAIN QUALITY)	2	12	17	1.00%	6.5
P-54	STORM SEWERS (WATER MAIN QUALITY)	2	18	62	0.40%	83.1



STORM STRUCTURES

LABEL	STATION	OFFSET (FT)	TYPE	FRAME	ELEVATION	RIM/EOP	INVERTS
S-50	33+00	5.5	LT	MANHOLES TYPE A, 4' DIA	TY 1 CL	712.35	RIM 708.85 12" N, 708.97 12" W, 708.85 12" E
S-51	33+00	11.0	LT	CATCH BASIN TYPE C	T-11 F&G	712.24	EOP 709.03 12" E
S-52	33+00	11.0	RT	CATCH BASIN TYPE C	T-11 F&G	712.31	EOP 709.03 12" W
S-53	34+65	5.5	LT	MANHOLES TYPE A, 4' DIA	TY 1 CL	711.16	RIM 706.41 12" S, 706.41 12" N, 707.95 12" W, 707.83 12" E
S-54	34+65	11.0	LT	CATCH BASIN TYPE C	T-11 F&G	711.05	EOP 708.01 12" E
S-55	34+65	11.0	RT	CATCH BASIN TYPE C	T-11 F&G	711.17	EOP 708.01 12" W
S-56	36+05	5.5	LT	MANHOLES TYPE A, 4' DIA	TY 1 CL	711.06	RIM 706.43 12" E, 703.79 12" S, 703.29 18" N
S-57	35+61	18.0	LT	CATCH BASIN TYPE C	T-11 F&G	710.26	EOP 707.26 12" E
S-58	35+67	17.0	RT	CATCH BASIN TYPE A, 5' DIA	T-11 F&G	710.28	EOP 706.90 12" W, 706.90 12" N
S-59	35+96	11.0	RT	CATCH BASIN TYPE A, 5' DIA	T-11 F&G	710.67	EOP 706.60 12" S, 706.60 12" W
N-1	36+73	0.0	CL	EX MANHOLE	-	712.07	RIM EX 694.59 21" E, EX 694.59 18" W, EX 696.57 18" N, 703.04 18" S



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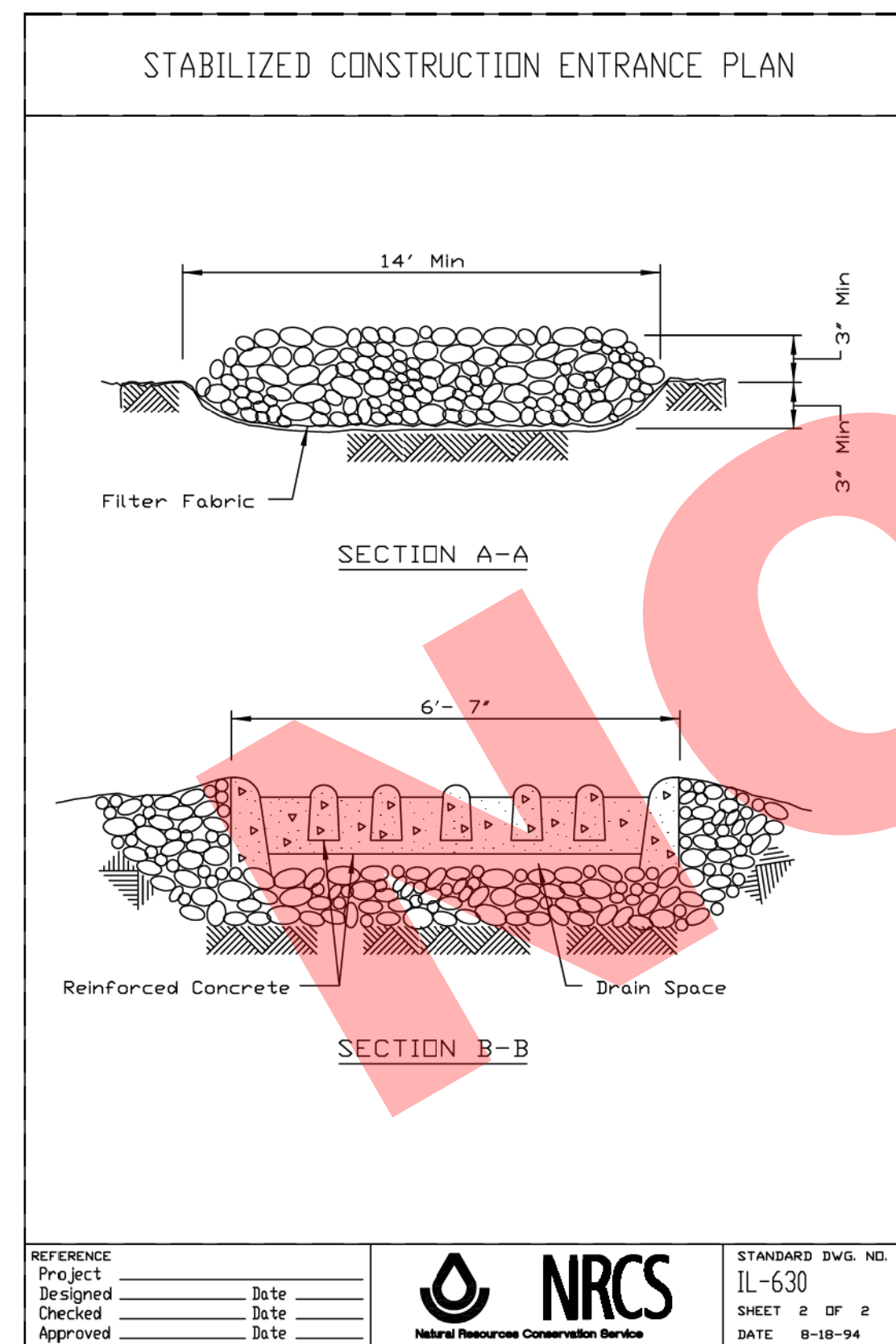
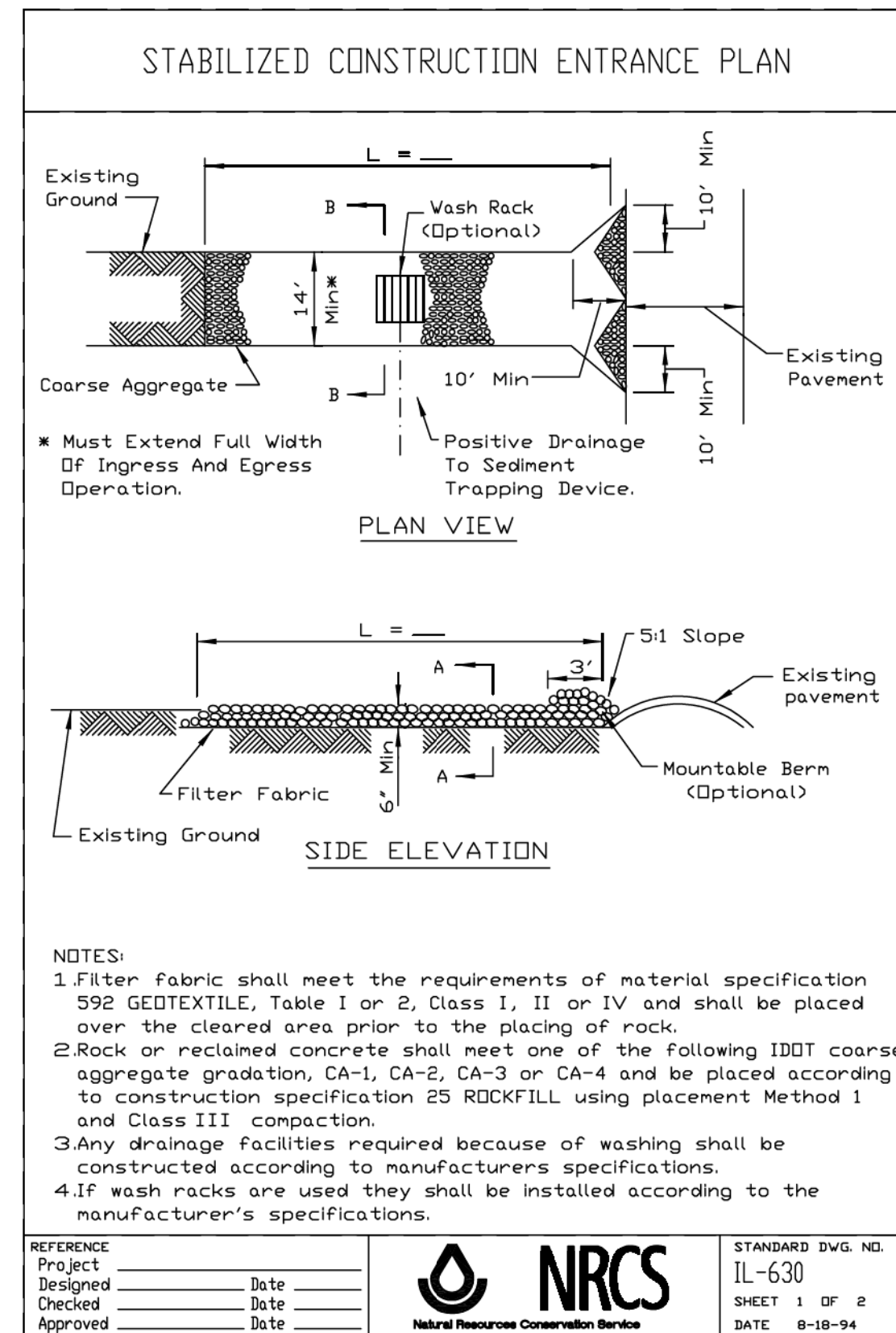
**VILLAGE OF VILLA PARK, ILLINOIS
SOUTH MICHIGAN AVENUE**

DRAINAGE AND UTILITIES

SCALE: H: 1"=20' V: 1"=5'
STA. 32+50 TO STA. 36+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	N/A	DUPAGE	39	20
CONTRACT NO.			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	

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SOIL EROSION AND SEDIMENT CONTROL NOTES

1. SEDIMENTATION AND EROSION CONTROL STANDARDS

THE FOLLOWING STANDARDS MUST BE SATISFIED:

- ALL AREAS LOCATED DOWNSTREAM FROM DISTURBED AREAS OF A DEVELOPMENT SITE SHALL BE PROTECTED FROM POTENTIAL INCREASE OF EROSION AND SEDIMENTATION RESULTING FROM UPSTREAM ACTIVITIES.
- SOIL EROSION AND SEDIMENT CONTROL FEATURES SHALL BE CONSTRUCTED AND FUNCTIONAL PRIOR TO OR CONCURRENTLY WITH THE START OF DISTURBANCE.
- PERMANENT STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICAL IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED; BUT IN NO CASE SHALL THESE MEASURES BE INSTALLED MORE THAN 14 DAYS AFTER THE CONSTRUCTION IN THE AREA TEMPORARILY OR PERMANENTLY CEASES.

2. SEDIMENTATION AND EROSION CONTROL METHODS

THE FOLLOWING SEDIMENTATION AND EROSION CONTROL METHODS MUST BE INSTALLED AND MAINTAINED:

- ALL STORM SEWER STRUCTURES THAT RECEIVE RUNOFF DURING CONSTRUCTION SHALL INCLUDE INLET PROTECTION TO PREVENT DEBRIS AND EXCESSIVE SEDIMENT FROM ENTERING THE STORM SEWER PIPING SYSTEM. THESE PROTECTIVE MEASURES SHALL BE PROPERLY INSTALLED, MAINTAINED, AND REMOVED IN THEIR ENTIRETY AFTER THE AREA TRIBUTARY TO THE STORM STRUCTURE IS STABILIZED.
- DISCHARGES FROM DEWATERING OPERATIONS SHALL ENTER OR BE ROUTED TO A SEDIMENT AND EROSION CONTROL SYSTEM OR DEVICE.
- ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED. TRAPPED SEDIMENT SHALL BE PROPERLY STABILIZED OR DISPOSED.

3. MAINTENANCE

ALL TEMPORARY MEASURES AND PERMANENT EROSION AND SEDIMENT CONTROL MUST BE MAINTAINED IN AN EFFECTIVE WORKING CONDITION AS IDENTIFIED BY REQUIRED INSPECTIONS. THIS INCLUDES, BUT IS NOT LIMITED TO, THE FOLLOWING:

- REPAIR, REPLACE OR MAINTAIN EROSION AND SEDIMENT CONTROL STRUCTURES AFTER A SINGULAR OR CUMULATIVE RAINFALL EVENT(S) OF 0.5 INCH OR MORE OVER A TWENTY-FOUR-HOUR PERIOD.
- MAKE ADJUSTMENTS TO THE SEDIMENTATION AND EROSION CONTROL PLAN AND METHODS, AS NEEDED, TO ACCOMPLISH THE INTENDED PURPOSE.
- ALL ADJACENT ROADWAYS MUST BE KEPT CLEAR OF DEBRIS, INSPECTED DAILY, AND CLEANED WHEN NECESSARY OR AS DETERMINED BY THE ENGINEER.

4. INSPECTIONS

- THESE PLANS SHALL BE MAINTAINED AT THE SITE DURING CONSTRUCTION OPERATIONS. THE ENGINEER SHALL MAKE INSPECTIONS AND MAINTAIN ON -SITE RECORDS OF SUCH INSPECTIONS AT THE INTERVALS SPECIFIED BELOW:
 - UPON COMPLETION OF INSTALLATION OF SEDIMENT AND RUNOFF CONTROL MEASURES, PRIOR TO PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING;
 - AFTER CURB AND GUTTER, SIDEWALK, STREET LIGHTING AND STORM SEWER INSTALLATION;
 - AFTER FINAL GRADING; AND
 - WEEKLY AND AFTER EACH RAINFALL EVENT OF 0.5 INCH OR MORE OVER A TWENTY-FOUR-HOUR PERIOD.
- ANY NECESSARY REPAIRS TO SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MADE AND REPORTED IN THE ON-SITE INSPECTION RECORDS.

5. SOIL EROSION AND SEDIMENT CONTROL

- SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. AREAS OF THE SITE THAT ARE NOT TO BE GRADED SHALL BE PROTECTED FROM CONSTRUCTION TRAFFIC OR OTHER DISTURBANCE UNTIL FINAL PERMANENT RESTORATION IS PERFORMED.
- THE CONTRACTOR SHALL PROVIDE ADEQUATE RECEPTACLES FOR THE DISPOSITION OF ALL CONSTRUCTION MATERIAL DEBRIS GENERATED DURING THE DCONSTRUCTION. THE CONTRACTOR SHALL MAINTAIN THE DEVELOPMENT SITE FREE OF CONSTRUCTION MATERIAL DEBRIS.
- TEMPORARY EROSION CONTROL MEASURES SHALL BE INSTALLED AS REQUIRED. WHERE PARKWAYS ARE DISTURBED, TEMPORARY EROSION CONTROL MEASURES SHALL BE ESTABLISHED WITHIN 14 DAYS OF THE COMPLETION OF DISTURBANCE AND MAINTAINED TO THE SATISFACTION OF THE CITY. THIS WORK, INCLUDING MAINTENANCE, SHALL BE INCLUDED IN THE PERMANENT STABILIZATION PAY ITEMS UNLESS OTHERWISE NOTED.

VILLAGE OF VILLA PARK EROSION CONTROL NOTES

- THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF ALL EROSION CONTROL DEVICES INCLUDING, BUT NOT LIMITED TO, SILT FENCE AROUND THE CONSTRUCTION LIMITS, STONE ACCESS DRIVE AND FILTER FABRIC PROTECTORS IN ALL STORM MANHOLES AND/OR INLETS PER DETAILS.
- IF THERE IS NO GENERAL CONTRACTOR, IT SHALL BE THE RESPONSIBILITY OF THE EXCAVATION/GRADING CONTRACTOR TO INSTALL ALL SOIL EROSION CONTROL DEVICES.
- THE CONTRACTOR RESPONSIBLE FOR THE INSTALLATION OF THE EROSION CONTROL DEVICES SHALL MAKE AN INSPECTION OF THE INSTALLATION ON A WEEKLY BASIS OR FOLLOWING A RAINFALL OF 1 INCH OR MORE OVER A 24-HOUR PERIOD. A RECORD OF SUCH INSPECTIONS SHALL BE KEPT ONSITE AT ALL TIMES UNTIL FINAL ACCEPTANCE OF THE WORK.
- IF ADDITIONAL EROSION CONTROL MEASURES NOT SHOWN ON THE PLANS ARE REQUIRED TO STOP OR PREVENT EROSION OR ARE REQUIRED BY ANY AUTHORITY HAVING JURISDICTION IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO INSTALL SUCH REQUIRED DEVICES.
- SEE STANDARD VILLAGE OF VILLA PARK DETAILS FOR SILT FENCE AND FILTER FABRIC PROTECTOR REQUIREMENTS.
- ALL STATE AND LOCAL EROSION CONTROL MAESURES SHALL BE IMPLEMENTED AND MAINTAINED THROUGHOUT CONSTRUCTION.
- ALL SILT FENCE SHALL BE INSTALLED AND APPROVED BY THE VILLAGE OF VILLA PARK PRIOR TO CONSTRUCTION.

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BAXTER & WOODMAN
Consulting Engineers

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DRAWN - MAC	REVISED -
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DATE - 10-18-16	FILE - 131011SHT-EC NOTES.dgn

VILLAGE OF VILLA PARK, ILLINOIS
SOUTH MICHIGAN AVENUE

EROSION AND SEDIMENT CONTROL NOTES

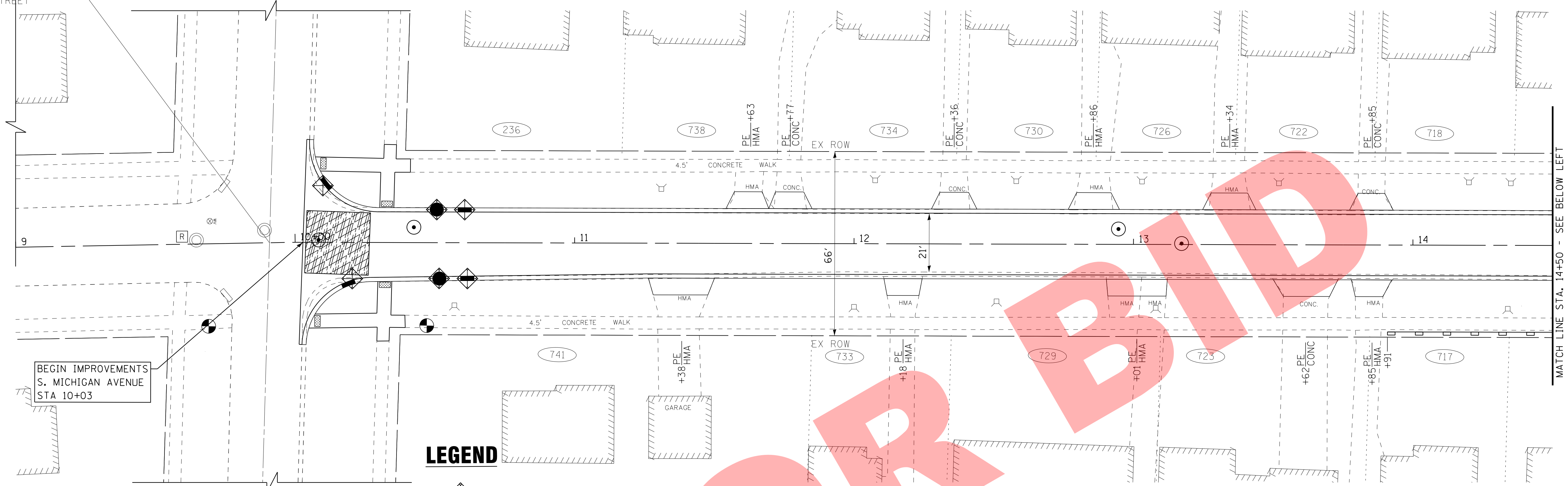
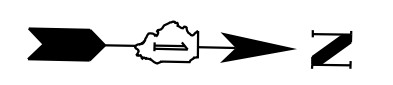
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STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	N/A	DuPAGE	39	21
CONTRACT NO.				
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				

☐ S. MICHIGAN AVENUE STA 9+91
☐ W. MADISON STREET

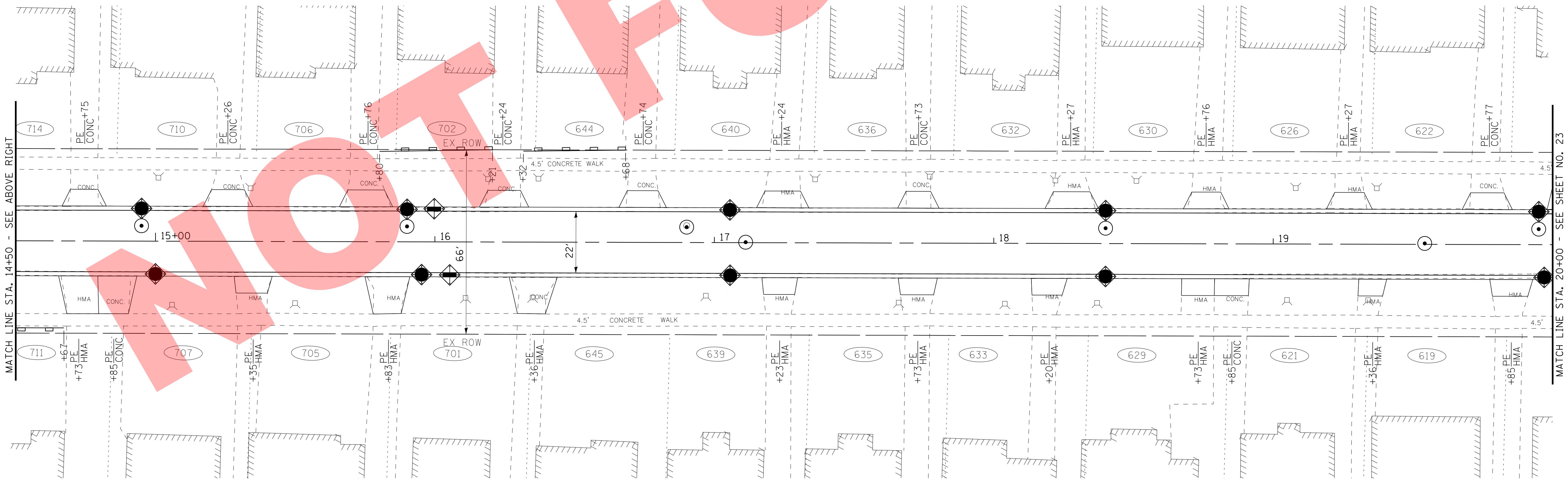
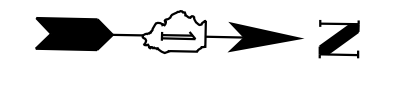
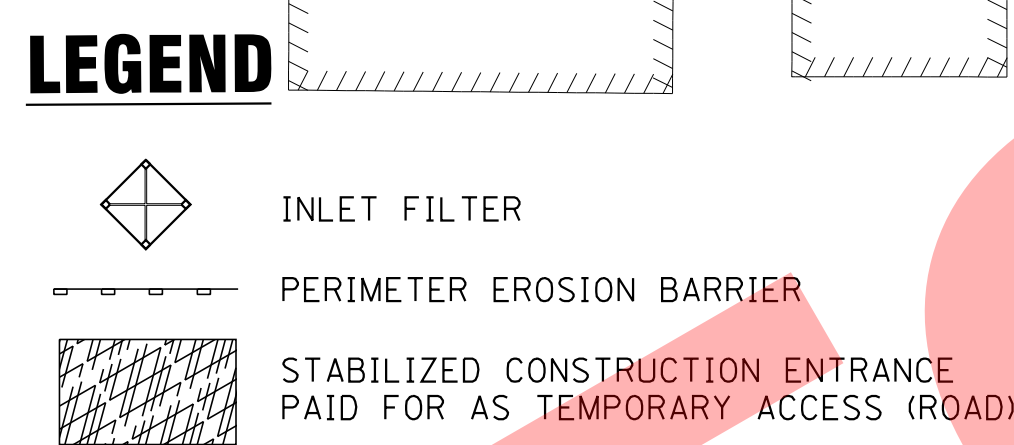
W. MADISON ST.



BEGIN IMPROVEMENTS
S. MICHIGAN AVENUE
STA 10+03

W. MADISON ST.

S. MICHIGAN AVE



S. MICHIGAN AVE

MATCH LINE STA. 20+00 - SEE SHEET NO. 23

MATCH LINE STA. 14+50 - SEE ABOVE RIGHT

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DATE - 10-18-16	FILE - 131011SHT-ER1.dgn

VILLAGE OF VILLA PARK, ILLINOIS
SOUTH MICHIGAN AVENUE

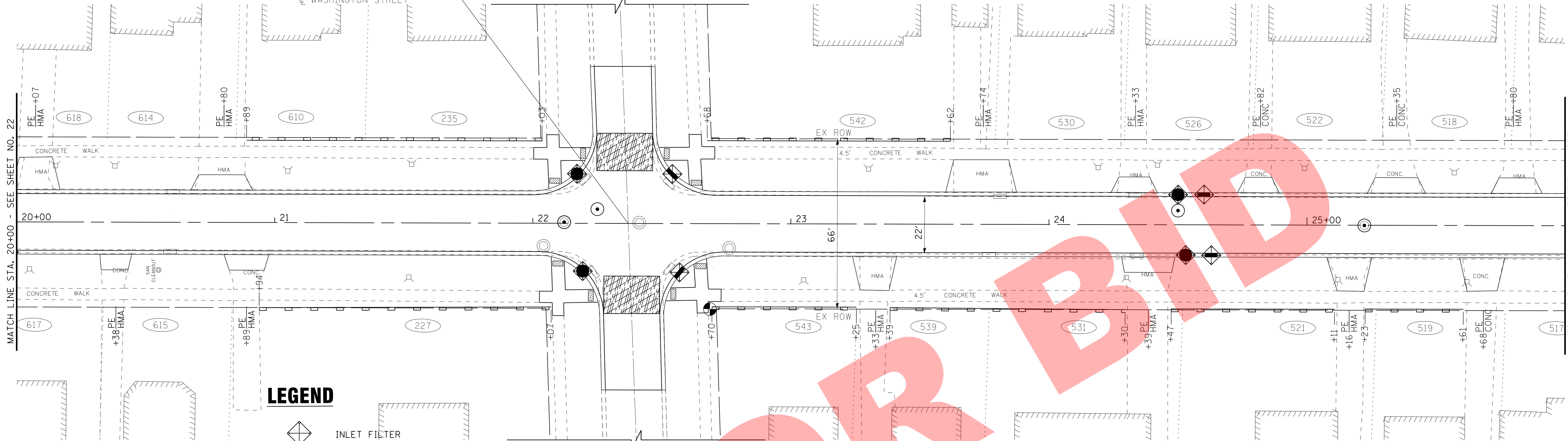
EROSION CONTROL PLAN

SCALE: 1" = 20' STA. 9+91 TO STA. 20+00


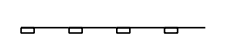
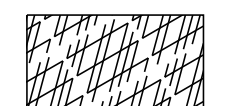
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N/A	N/A	DuPAGE	39	22
CONTRACT NO.				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

WASHINGTON ST.

CL S. MICHIGAN AVENUE STA 22+37
CL WASHINGTON STREET



LEGEND

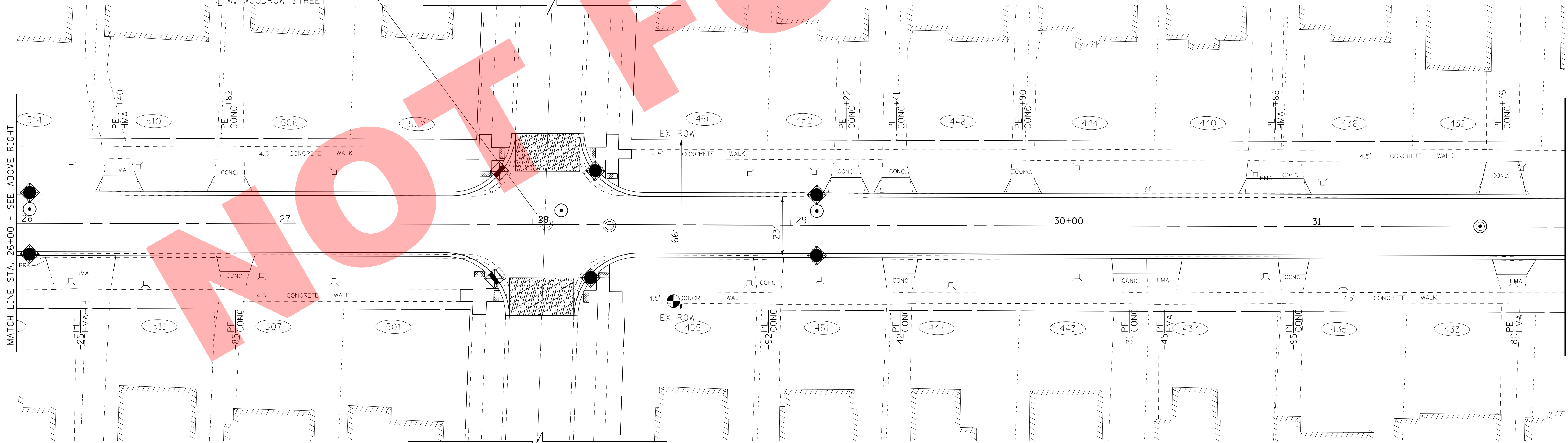
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-  PERIMETER EROSION BARRIER
-  STABILIZED CONSTRUCTION ENTRANCE PAID FOR AS TEMPORARY ACCESS (ROAD)

WASHINGTON ST.

S. MICHIGAN AVE

W. WOODROW ST.

CL S. MICHIGAN AVENUE STA 28+05
CL W. WOODROW STREET



W. WOODROW ST.

S. MICHIGAN AVE

VILLAGE OF VILLA PARK, ILLINOIS
SOUTH MICHIGAN AVENUE

EROSION CONTROL PLAN

SCALE: 1" = 20'

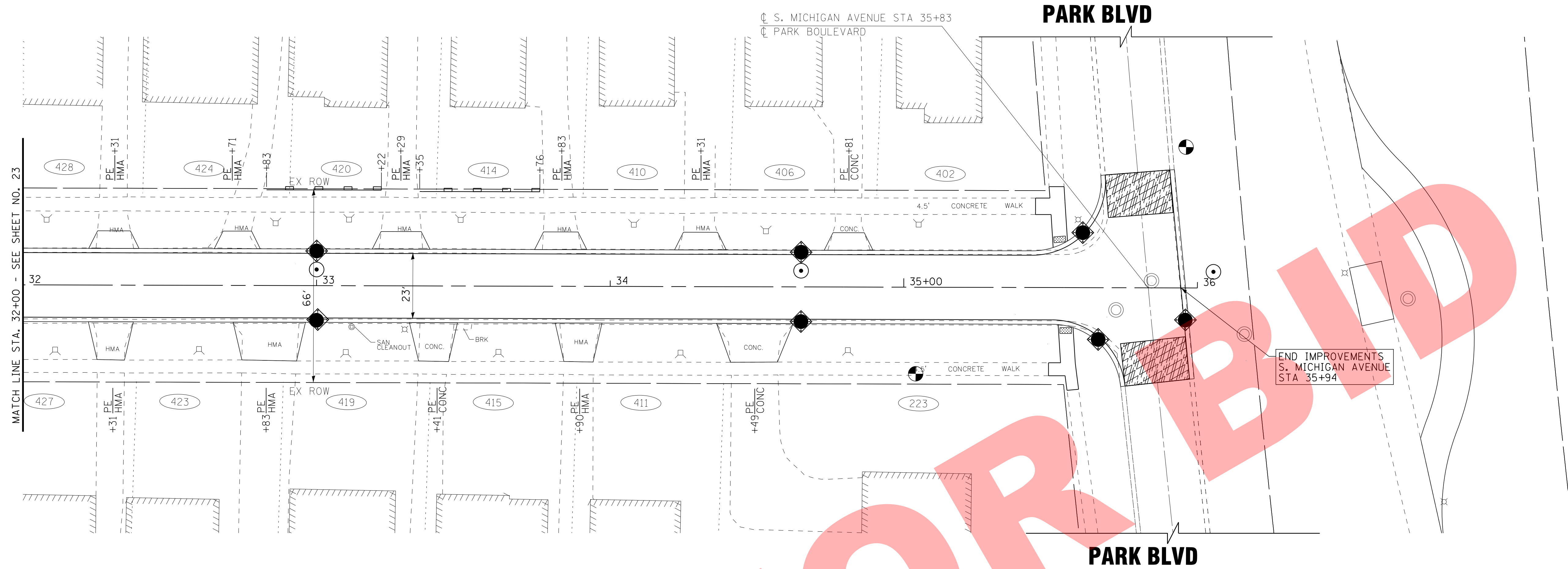
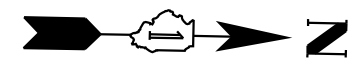
STA. 20+00 TO STA. 32+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO.				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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BAXTER & WOODMAN
Consulting Engineers

DESIGNED - TMS	REVISED -
DRAWN - MAC	REVISED -
CHECKED - JJF	REVISED -
DATE - 10-18-16	FILE - 13101SHT-ER2.dgn



END IMPROVEMENTS
S. MICHIGAN AVENUE
STA 35+94

NOT FOR BIDD

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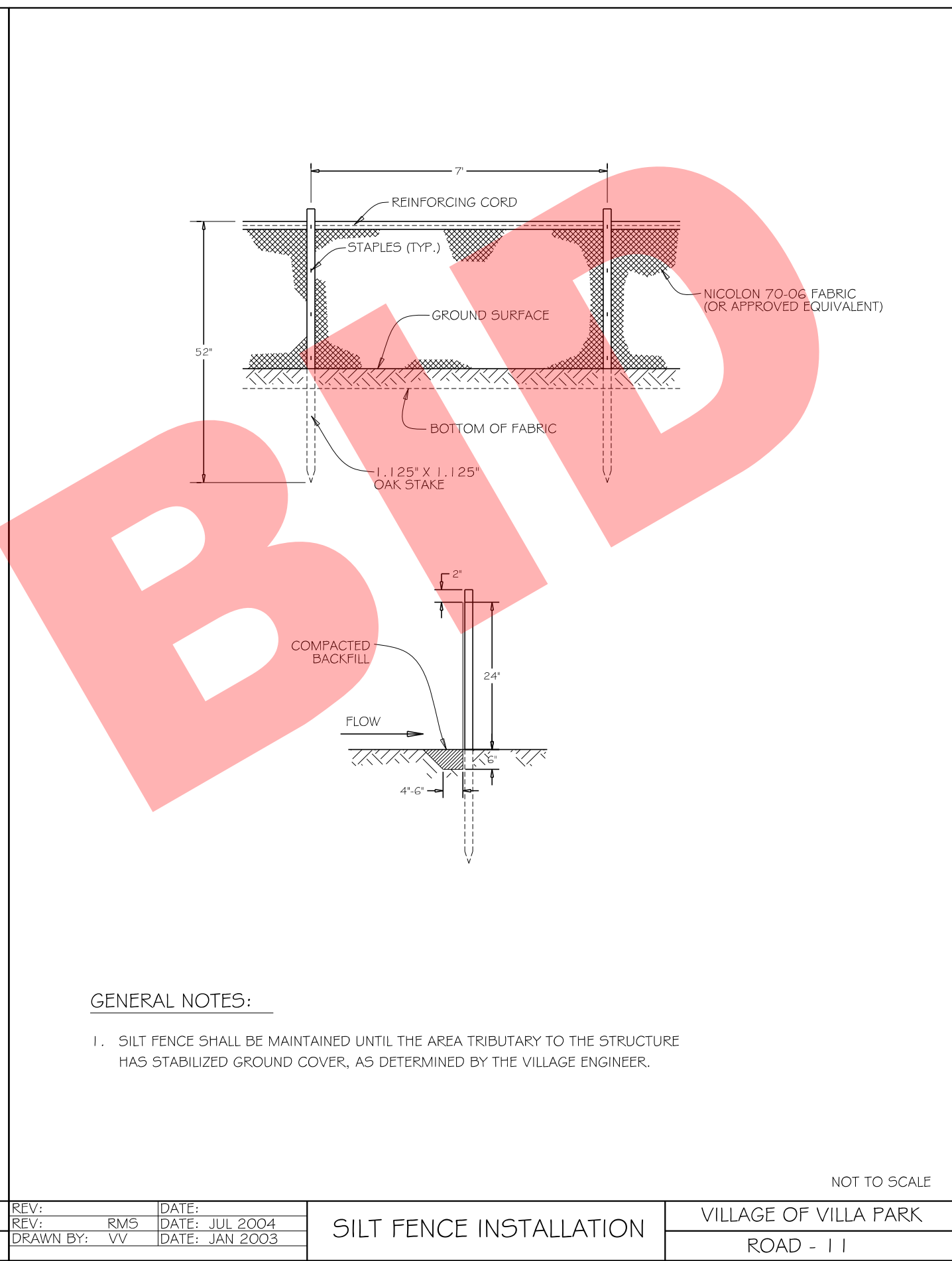
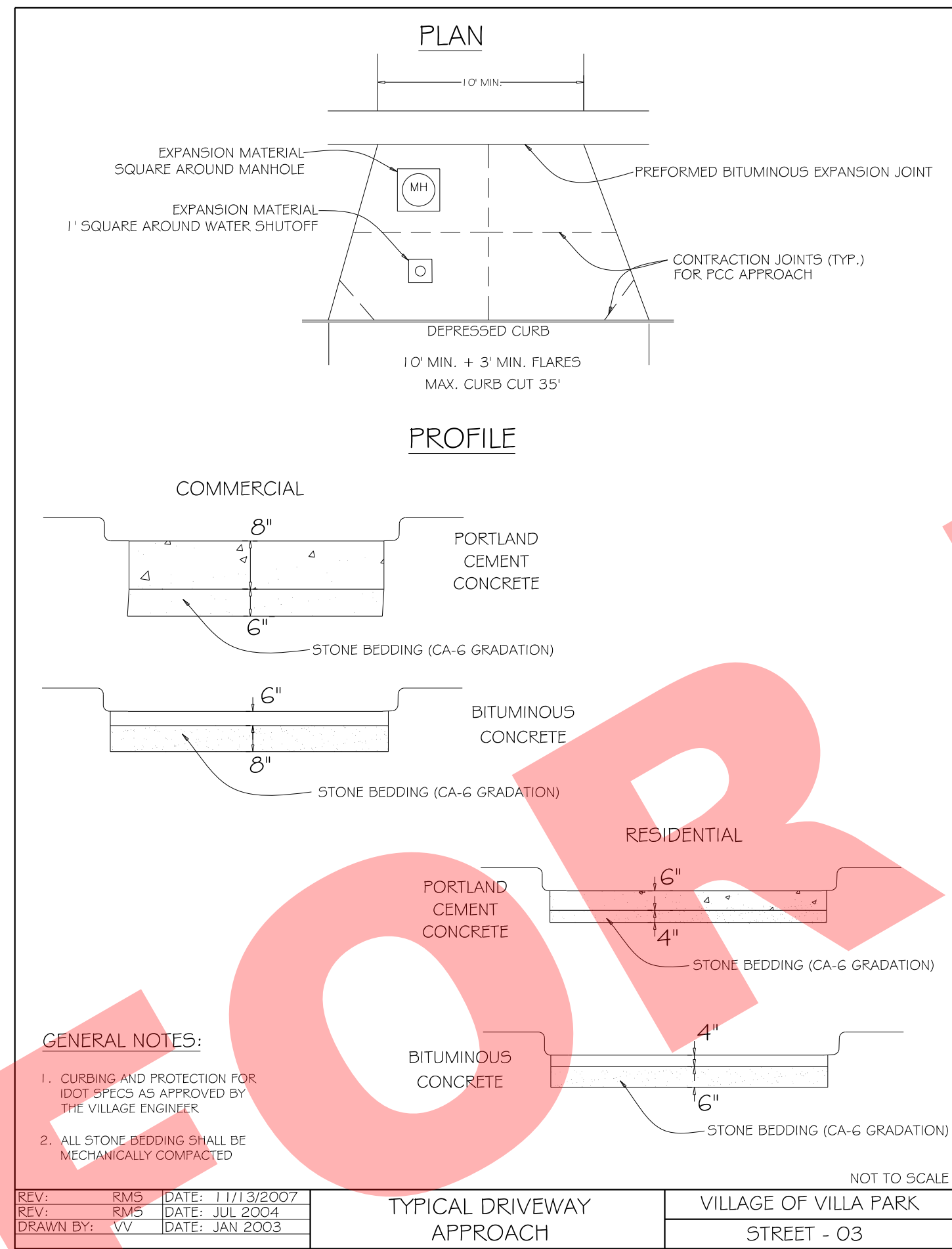
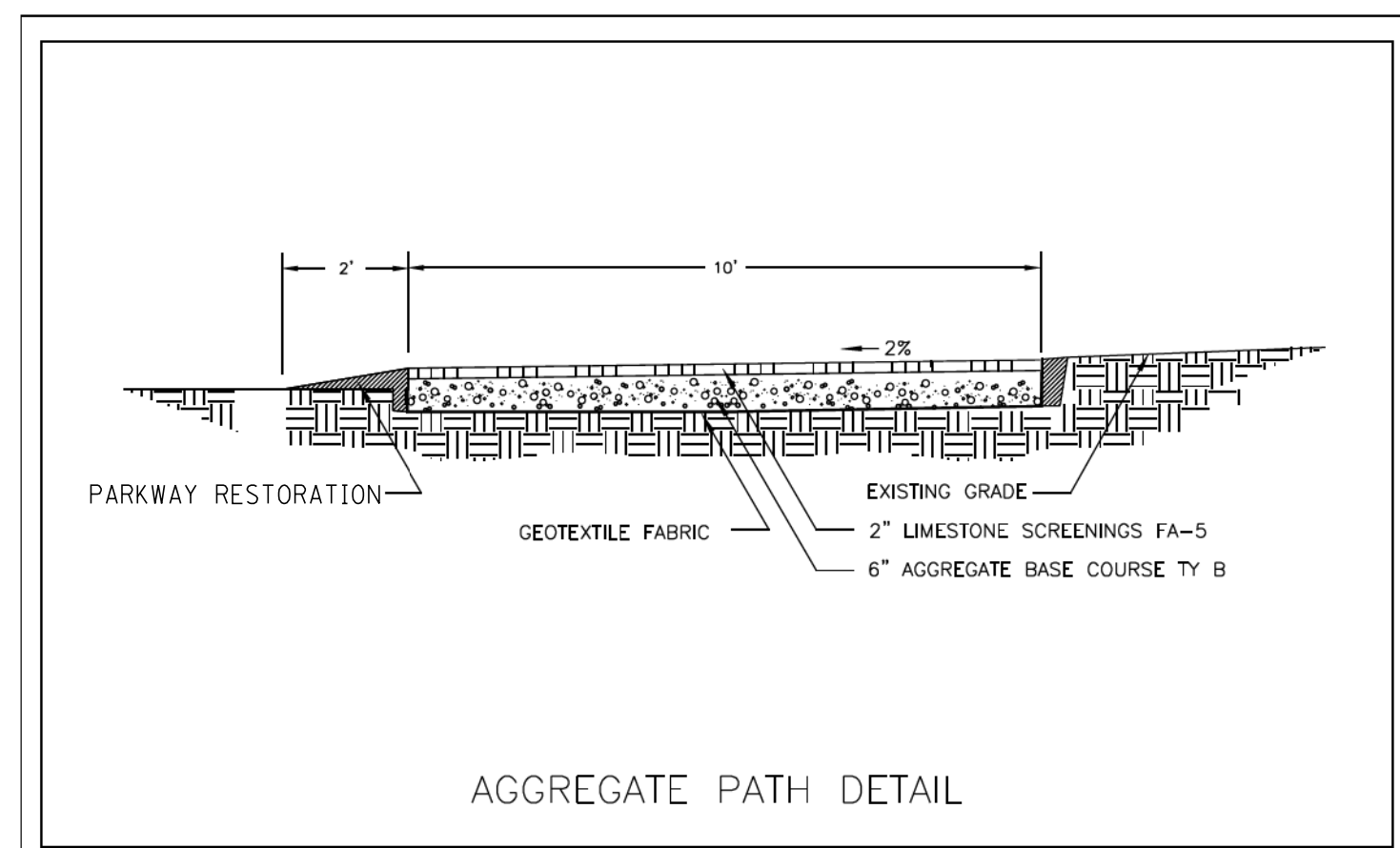
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	DRAWN - MAC	REVISED -
	CHECKED - JJF	REVISED -
	DATE - 10-18-16	FILE - 13101SHT-ER3.dgn

**VILLAGE OF VILLA PARK, ILLINOIS
SOUTH MICHIGAN AVENUE**

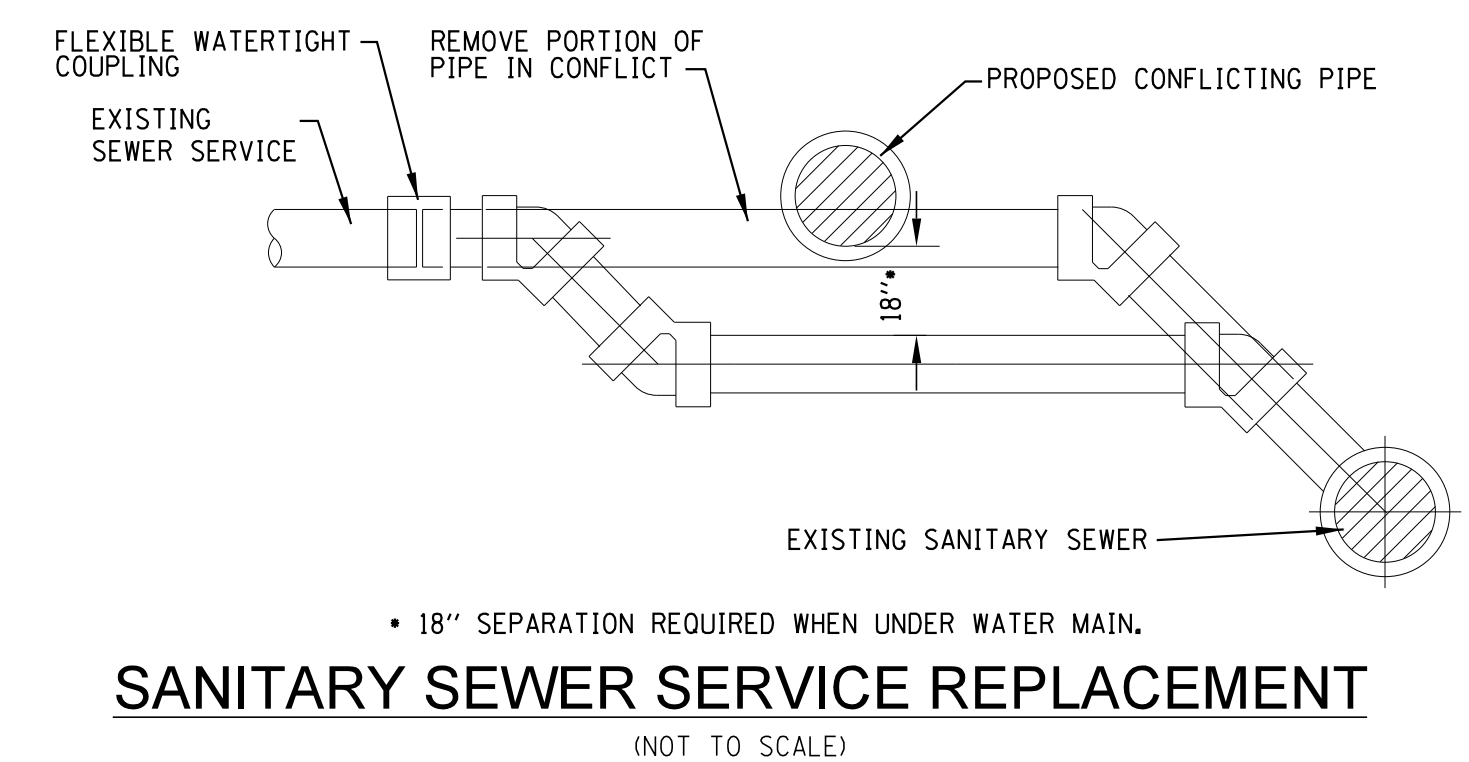
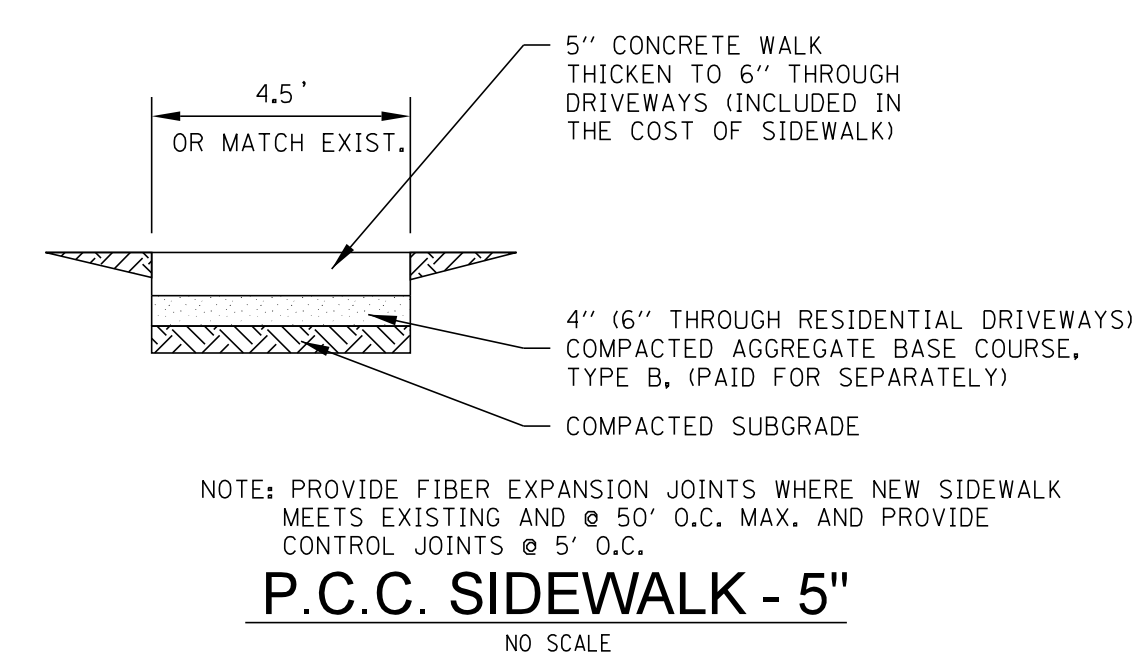
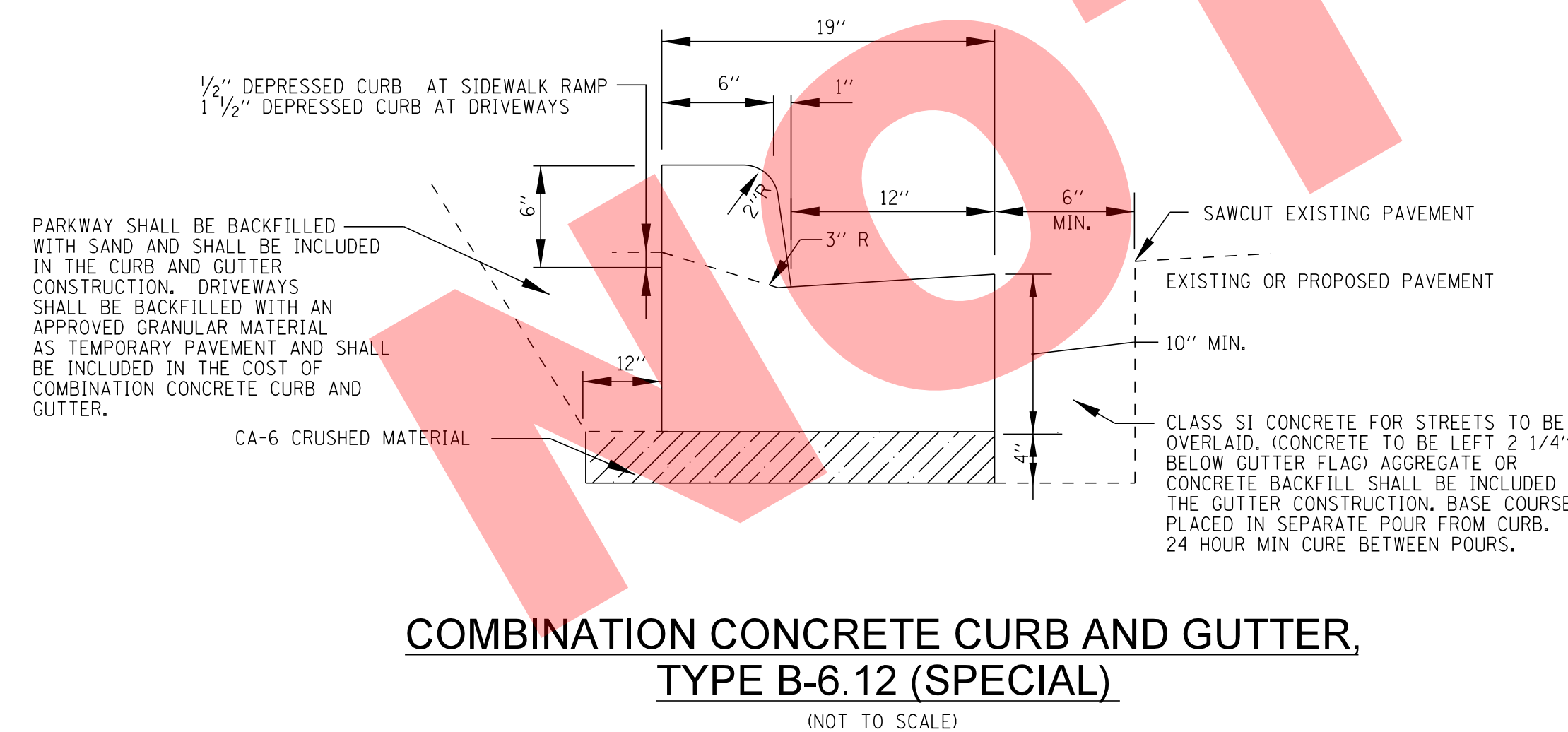
EROSION CONTROL PLAN

SCALE: 1" = 20' STA. 32+00 TO STA. 35+83

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO.				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



REV: RMS DATE: 1/13/2007	DATE: JUL 2004	DATE: JUL 2004	DATE: JUL 2004
REV: RMS DATE: JUL 2004	DATE: JUL 2004	DATE: JUL 2004	DATE: JUL 2004
DRAWN BY: VV DATE: JAN 2003	DRAWN BY: VV DATE: JAN 2003	DRAWN BY: VV DATE: JAN 2003	DRAWN BY: VV DATE: JAN 2003



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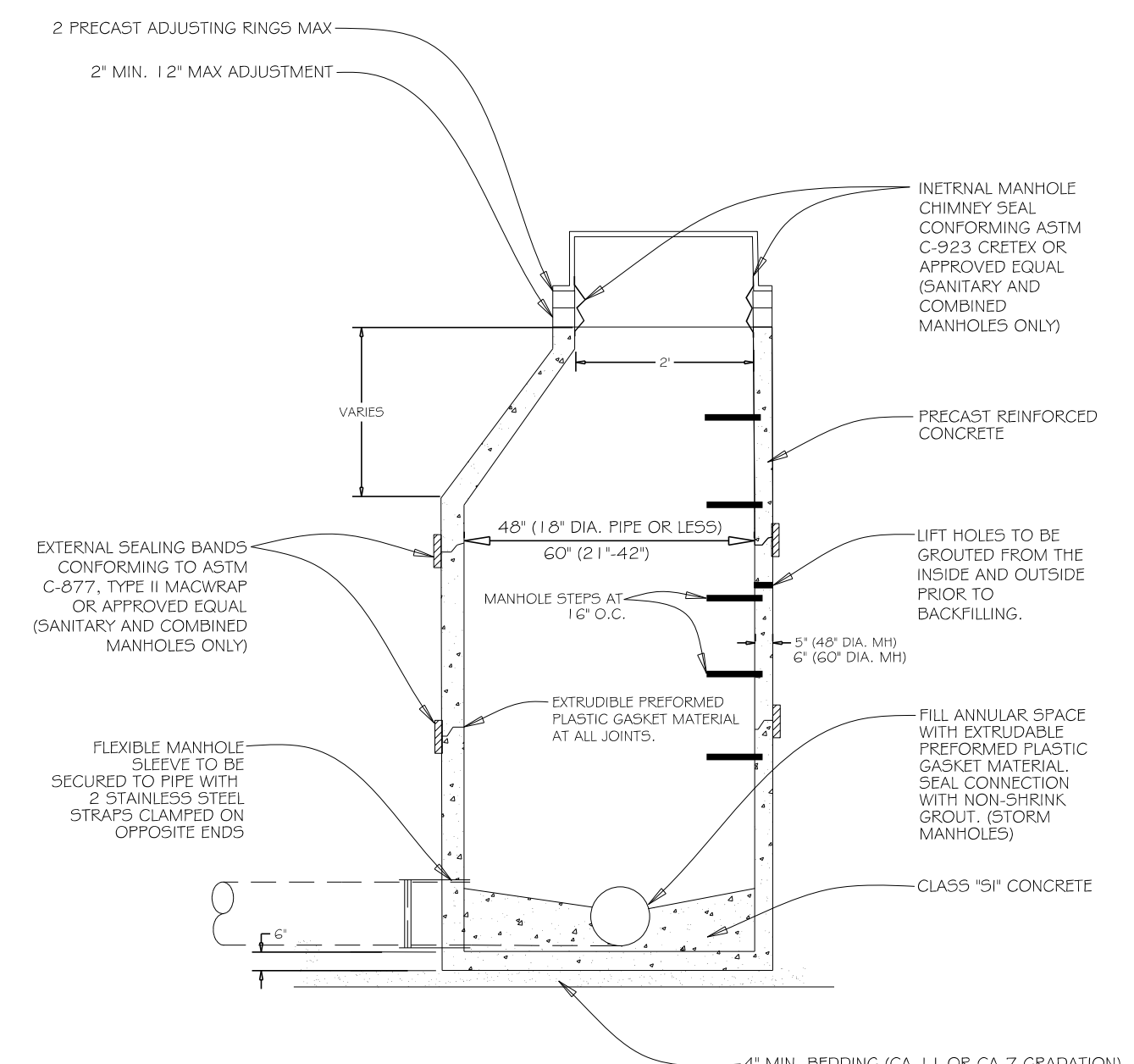
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DRAWN - MAC	REVISED -
CHECKED - JJF	REVISED -
DATE - 10-18-16	FILE - 13101SHT-Misc Details.dgn

**VILLAGE OF VILLA PARK, ILLINOIS
SOUTH MICHIGAN AVENUE**

MISCELLANEOUS DETAILS

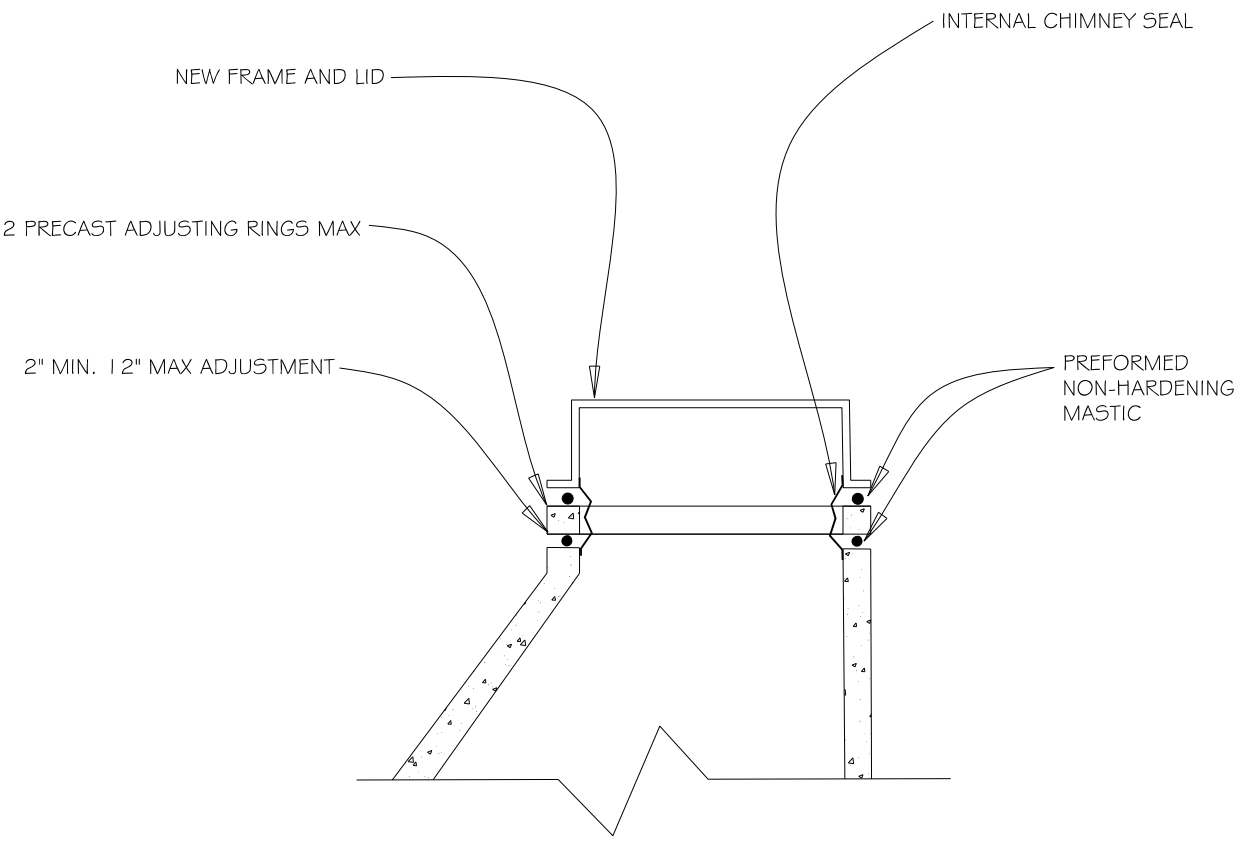
SCALE: STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO.			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	



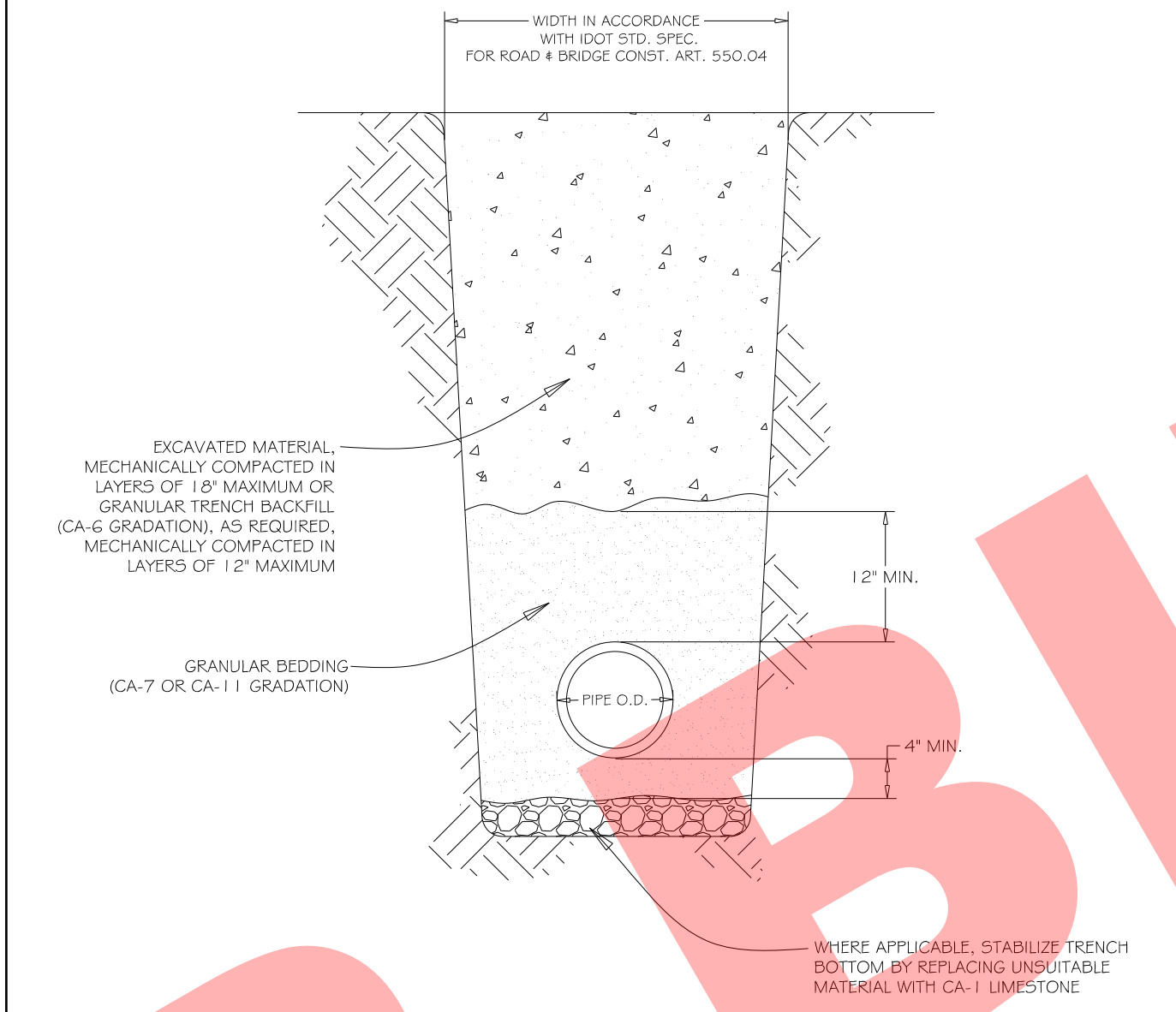
- GENERAL NOTES:**
1. FRAME AND LID (SANITARY):
NEENAH R-1015-2000 FRAME
NEENAH R-1015-2001 SELF SEALING LID
 2. FRAME AND LID (STORM):
NEENAH R-1015-2000 FRAME
NEENAH R-1015-2001 LID
 3. ALL LIFT HOLES ARE TO BE GROUTED FROM INSIDE AND OUTSIDE BEFORE BACKFILLING.

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



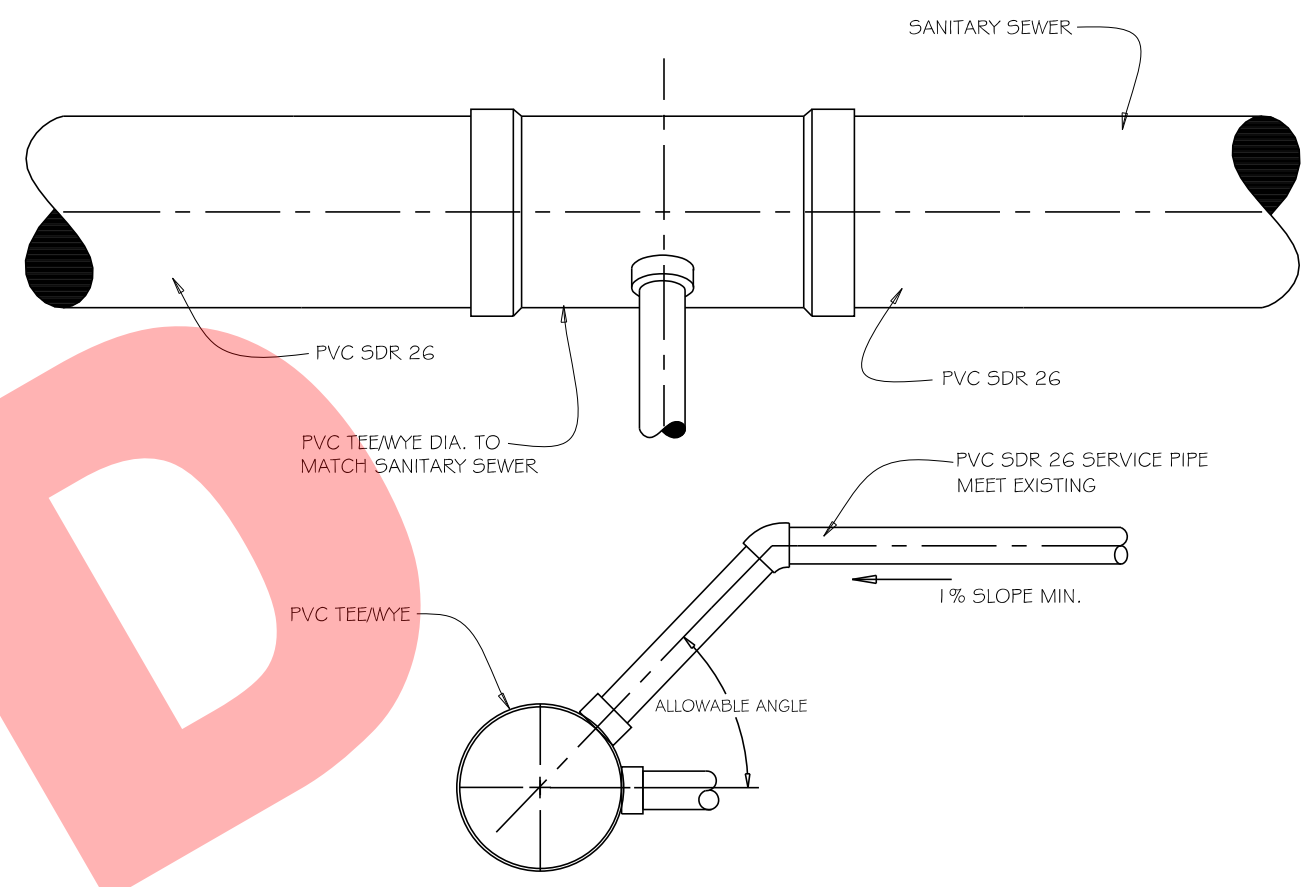
- GENERAL NOTES:**
1. INTERNAL MANHOLE CHIMNEY SEAL CONFORMING ASTM C-923 CRETEX OR APPROVED EQUAL (SANITARY AND COMBINED MANHOLES ONLY)
 2. NEW FRAME AND LID (SANITARY):
NEENAH R-1015-2000 FRAME
NEENAH R-1015-2001 SELF SEALING LID
 3. NEW FRAME AND LID (STORM):
NEENAH R-1015-2000 FRAME
NEENAH R-1015-2001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

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



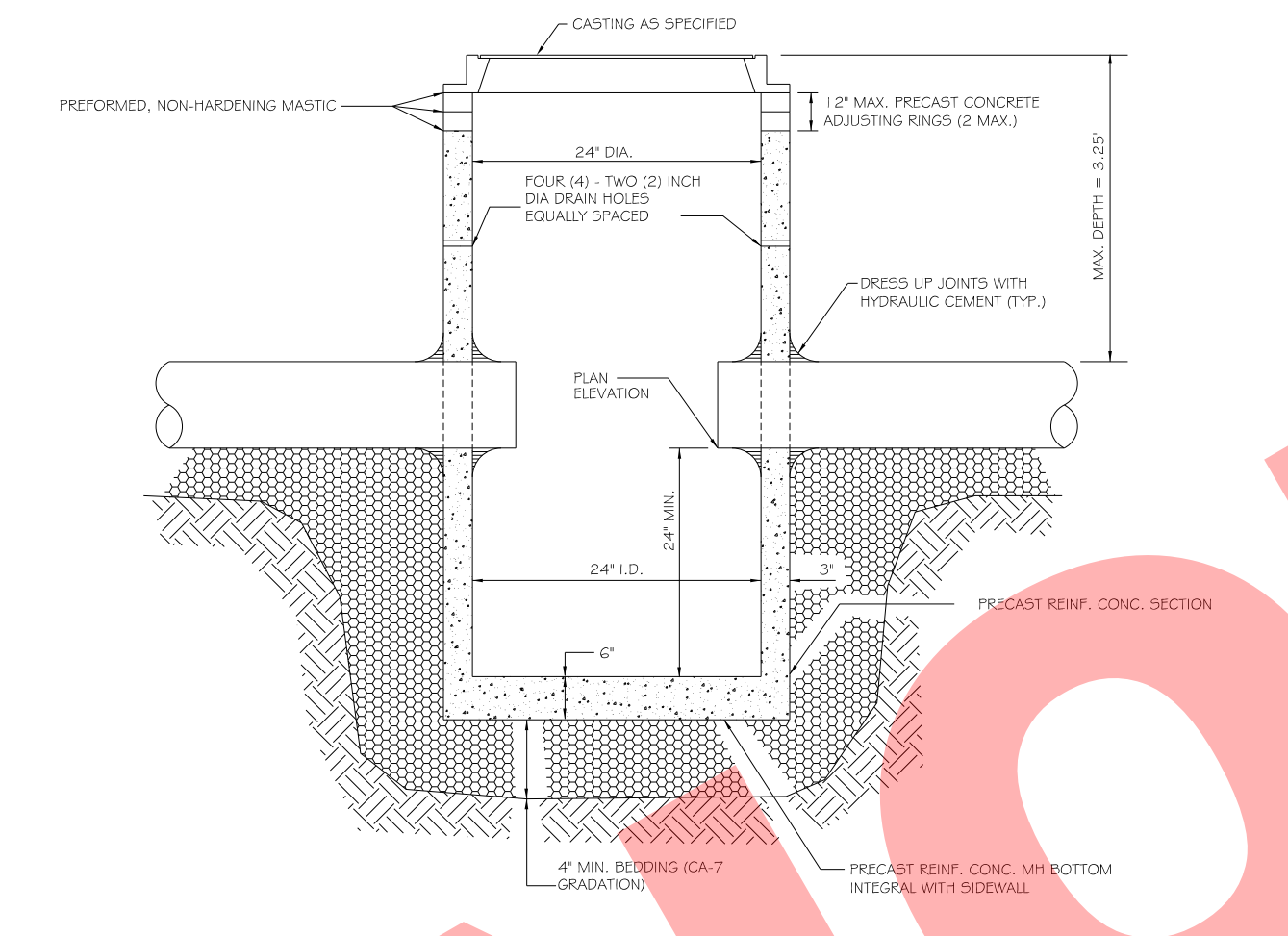
- GENERAL NOTES:**
1. GRANULAR TRENCH BACKFILL SHALL BE MECHANICALLY COMPACTED IN LAYERS OF 12" MAXIMUM LOOSE MEASURE TO 95% OF STANDARD MAXIMUM DENSITY (ASTM D 690).
 2. EXCAVATED MATERIAL USED FOR BACKFILL SHALL BE MECHANICALLY COMPACTED IN LAYERS OF 18" MAXIMUM LOOSE MEASURE TO 90% OF STANDARD MAXIMUM DENSITY (ASTM D 690).

REV: KLM	DATE: 10/12/2006	VILLAGE OF VILLA PARK
DRAWN BY: VV	DATE: 01/20/05	SANITARY - 08



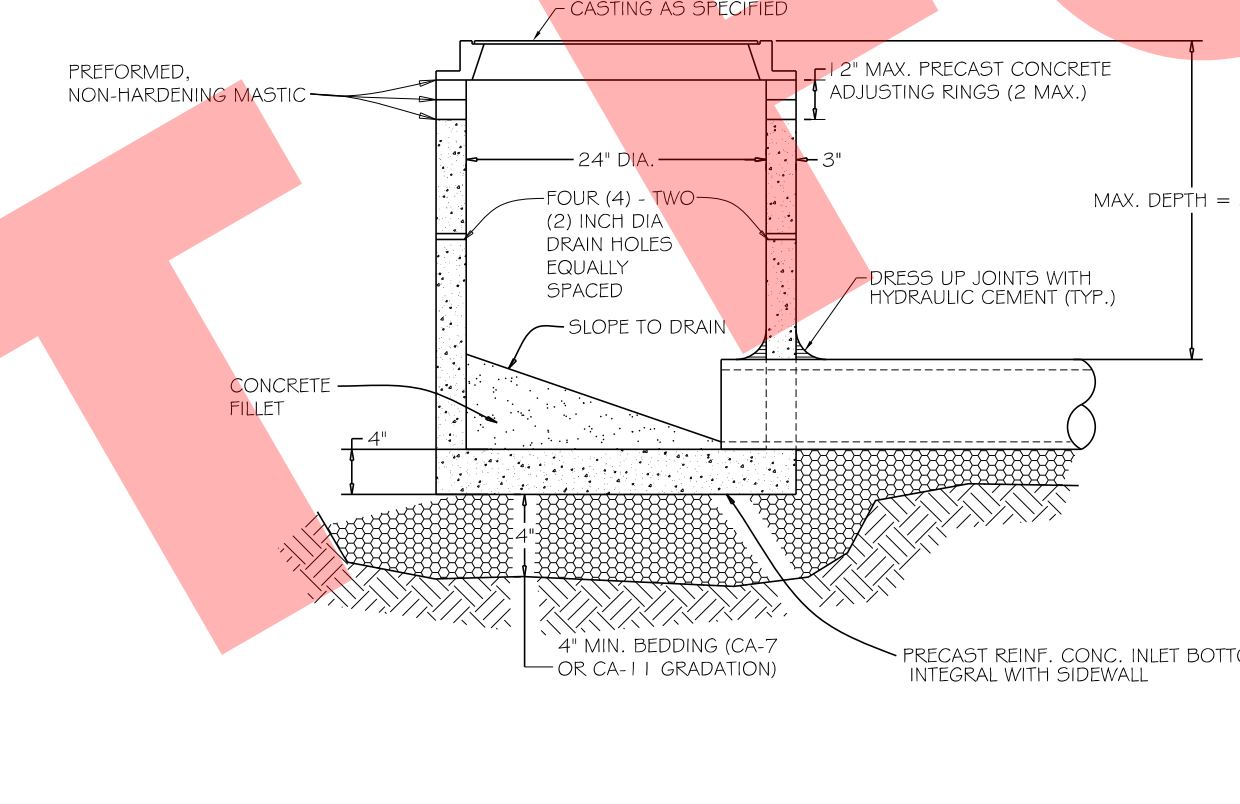
- GENERAL NOTES:**
1. TEE/WYE CAN BE INSTALLED ONLY DURING NEW SEWER INSTALLATION
 2. CONTRACTOR MAY USE A TEE OR A WYE AT HIS OPTION

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



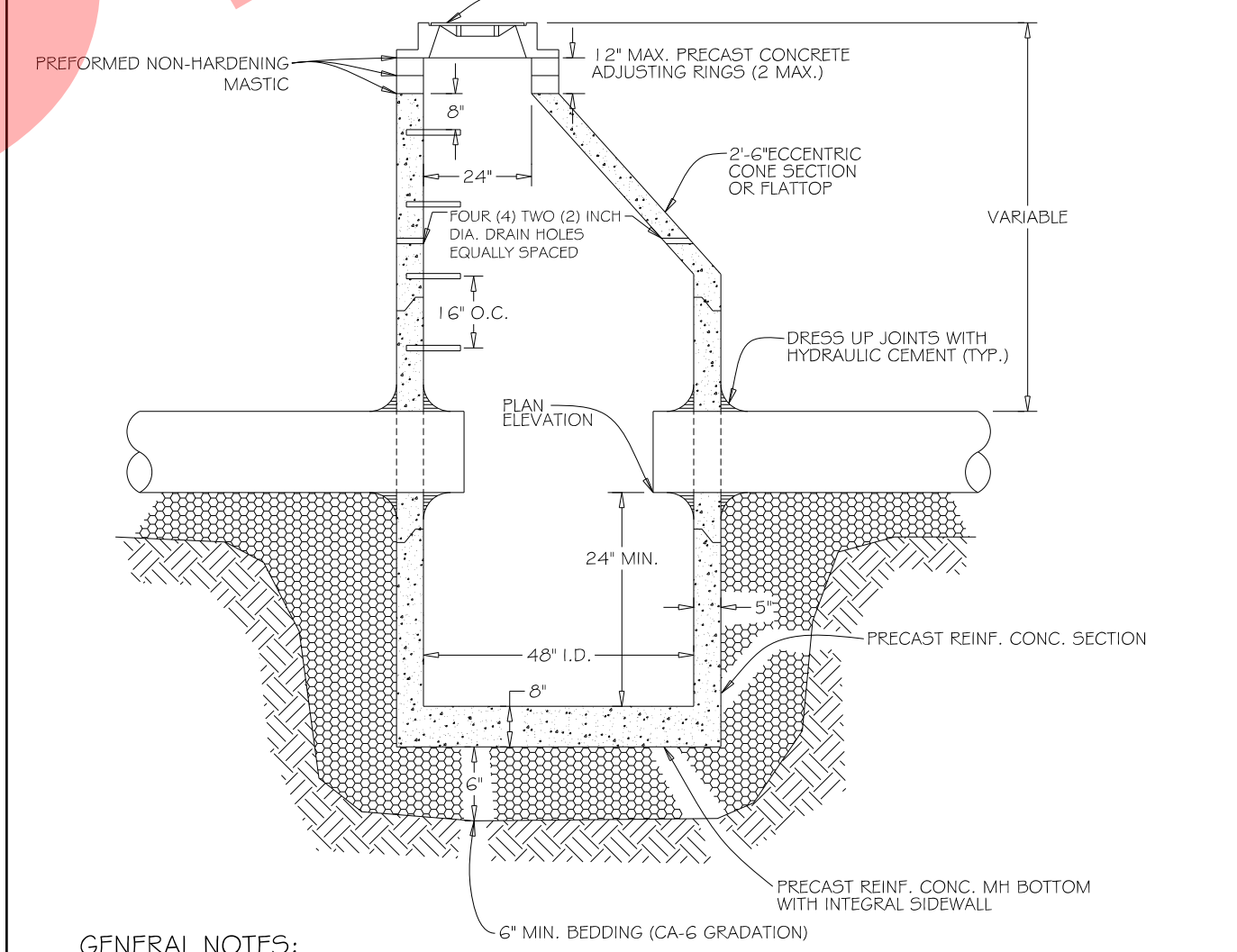
- GENERAL NOTES:**
1. PROVIDE PRECAST REINFORCED CONCRETE BARREL AND RISER SECTION. CONCRETE BLOCK CONSTRUCTION IS NOT PERMITTED.
 2. PROVIDE GRANULAR BACKFILL AROUND CATCH BASIN TO SUBGRADE ELEVATION IN PAVED AREAS. MATERIAL SHALL MEET THE REQUIREMENTS OF IDOT 'STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION' FOR COARSE AGGREGATE (CA-6 GRADATION.)
 3. WHEN THE FRAME DOES NOT MEET PROPOSED ELEVATION, A MAXIMUM OF TWO PRECAST CONCRETE RINGS MAY BE USED TO A MAXIMUM HEIGHT OF 12 INCHES. THE RING(S) AND FRAME SHALL BE SET IN A BED OF PREFORMED NON-HARDENING MASTIC (RUB-R-NEK, E2 STICK OR APPROVED EQUAL).
 4. PRECAST ADJUSTING RINGS SHALL BE REINFORCED WITH NO. 3 GAUGE WIRE OR EQUIVALENT AND SHALL HAVE A MINIMUM THICKNESS OF TWO INCHES.
 5. MORTAR SHALL NOT BE USED TO DRESS UP ADJUSTING RINGS AND/OR FRAME.
 6. DRESS UP INTERIOR JOINTS WITH HYDRAULIC CEMENT.
 7. IN PAVED AREAS, DRAIN HOLES/SWEEP HOLES SHALL BE COVERED WITH FILTER FABRIC. FILTER FABRIC SHALL BE SECURED TO THE OUTSIDE OF STRUCTURE PRIOR TO BACKFILL.
 8. IN GRASSED AREAS, DRAIN HOLES/SWEEP HOLES SHALL BE PLUGGED WITH HYDRAULIC CEMENT.

REV: RMS	DATE: JUL 2004	VILLAGE OF VILLA PARK
DRAWN BY: VV	DATE: JAN 2003	STORM - 01



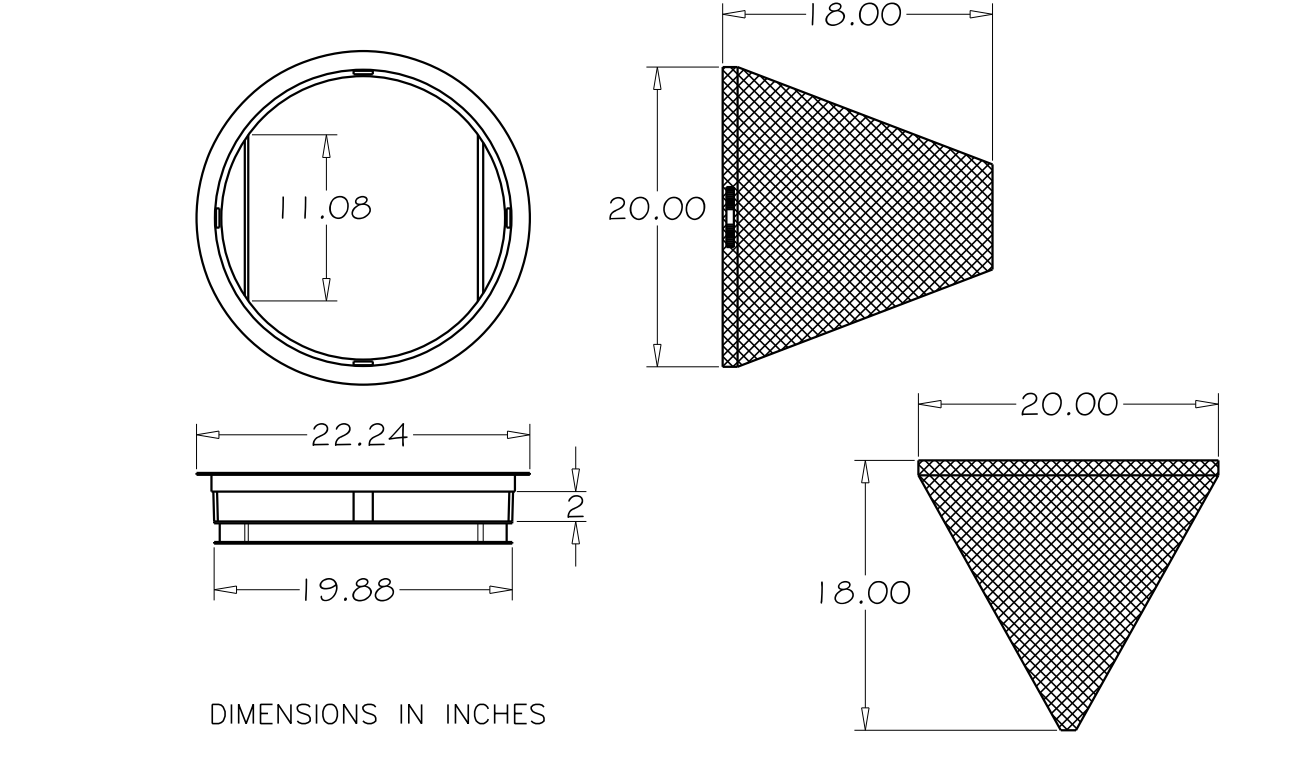
- GENERAL NOTES:**
1. PROVIDE PRECAST REINFORCED CONCRETE BARREL AND RISER SECTION. CONCRETE BLOCK CONSTRUCTION IS NOT PERMITTED.
 2. PROVIDE GRANULAR BACKFILL AROUND INLET TO SUBGRADE ELEVATION IN PAVED AREAS. MATERIAL SHALL MEET THE REQUIREMENTS OF IDOT 'STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION' FOR COARSE AGGREGATE (CA-6 GRADATION.)
 3. WHEN THE FRAME DOES NOT MEET PROPOSED ELEVATION, A MAXIMUM OF TWO PRECAST CONCRETE RINGS MAY BE USED TO A MAXIMUM HEIGHT OF 12 INCHES. THE RING(S) AND FRAME SHALL BE SET IN A BED OF PREFORMED NON-HARDENING MASTIC (RUB-R-NEK, E2 STICK OR APPROVED EQUAL).
 4. PRECAST ADJUSTING RINGS SHALL BE REINFORCED WITH NO. 3 GAUGE WIRE OR EQUIVALENT AND SHALL HAVE A MINIMUM THICKNESS OF TWO INCHES.
 5. MORTAR SHALL NOT BE USED TO DRESS UP ADJUSTING RINGS AND/OR FRAME.
 6. IN PAVED AREAS, DRAIN HOLES/SWEEP HOLES SHALL BE COVERED WITH FILTER FABRIC. FILTER FABRIC SHALL BE SECURED TO THE OUTSIDE OF STRUCTURE PRIOR TO BACKFILL.
 7. IN GRASSED AREAS, DRAIN HOLES/SWEEP HOLES SHALL BE PLUGGED WITH HYDRAULIC CEMENT.

REV: RMS	DATE: JUL 2004	VILLAGE OF VILLA PARK
DRAWN BY: VV	DATE: JAN 2003	STORM - 15



- GENERAL NOTES:**
1. PROVIDE PRECAST REINFORCED CONCRETE BARREL AND RISER SECTIONS. CONCRETE BLOCK CONSTRUCTION IS NOT PERMITTED.
 2. PROVIDE GRANULAR BACKFILL AROUND CATCHBASIN TO SUBGRADE ELEVATION IN PAVED AREAS. MATERIAL SHALL MEET THE REQUIREMENTS OF IDOT 'STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION' FOR COARSE AGGREGATE (CA-6 GRADATION.)
 3. APPLY A CONTINUOUS LAYER OF NON-HARDENING PREFORMED BITUMINOUS MASTIC MATERIAL (RUB-R-NEK, OR E 2 STICK) TO EACH JOINT TO PREVENT INFLOW.
 4. WHEN THE FRAME DOES NOT MEET PROPOSED ELEVATION, A MAXIMUM OF TWO PRECAST CONCRETE RINGS MAY BE USED TO A MAXIMUM HEIGHT OF 12 INCHES. THE RING(S) AND FRAME SHALL BE SET IN A BED OF PREFORMED NON-HARDENING MASTIC (RUB-R-NEK, E2 STICK OR APPROVED EQUAL).
 5. PRECAST ADJUSTING RINGS SHALL BE REINFORCED WITH NO. 3 GAUGE WIRE OR EQUIVALENT AND SHALL HAVE A MINIMUM THICKNESS OF TWO INCHES.
 6. MORTAR SHALL NOT BE USED TO DRESS UP ADJUSTING RINGS AND/OR FRAME.
 7. ONLY PLASTIC POLYMER STEPS SHALL BE USED.
 8. WHEN CATCHBASIN DEPTH IS OVER 12 FEET, THE THICKNESS OF THE PRECAST, REINFORCED CONCRETE BASE SHALL BE A MINIMUM OF 10 INCHES. WHEN CATCHBASIN DEPTH IS LESS THAN 12 FEET, THE THICKNESS SHALL BE A MINIMUM OF 8 INCHES.
 9. DRESS UP INTERIOR JOINTS OF PRECAST CATCHBASIN AND OPENINGS AROUND THE PIPES WITH HYDRAULIC CEMENT.
 10. IN PAVED AREAS, DRAIN HOLES/SWEEP HOLES SHALL BE COVERED WITH FILTER FABRIC. FILTER FABRIC SHALL BE SECURED TO THE OUTSIDE OF STRUCTURE PRIOR TO BACKFILL.
 11. IN GRASSED AREAS, DRAIN HOLES/SWEEP HOLES SHALL BE PLUGGED WITH HYDRAULIC CEMENT.

REV: RMS	DATE: JUL 2004	VILLAGE OF VILLA PARK
DRAWN BY: VV	DATE: JAN 2003	STORM - 16



- GENERAL NOTES:**
1. USE DRAINAGE STRUCTURE INLET FILTER MANUFACTURED BY MARATHONMATERIALS, INC. OR APPROVED EQUAL.
 2. FRAME - TOP FLANGE FABRICATED FROM 1.25 X 1.25 X 0.125 ANGLE. BASE RIM FABRICATED FROM 1.5 X 0.5 X 0.125 CHANNEL. HANDLES AND SUSPENSION BRACKETS FABRICATED FROM 1.25 X 0.25 FLAT STOCK. ALL DOMESTIC STEEL CONFORMING TO ASTM - A36.
 3. SEDIMENT BAG - BAG FABRICATED FROM 4 OZ./SQ. YD. NON-WOVEN POLYPROPYLENE GEOTEXTILE REINFORCED WITH POLYESTER MESH. BAG SECURED TO BASE RIM WITH A STAINLESS STEEL STRAP AND LOCK.

REV: RMS	DATE: JUL 2004	VILLAGE OF VILLA PARK
DRAWN BY: VV	DATE: JAN 2003	STORM - 17

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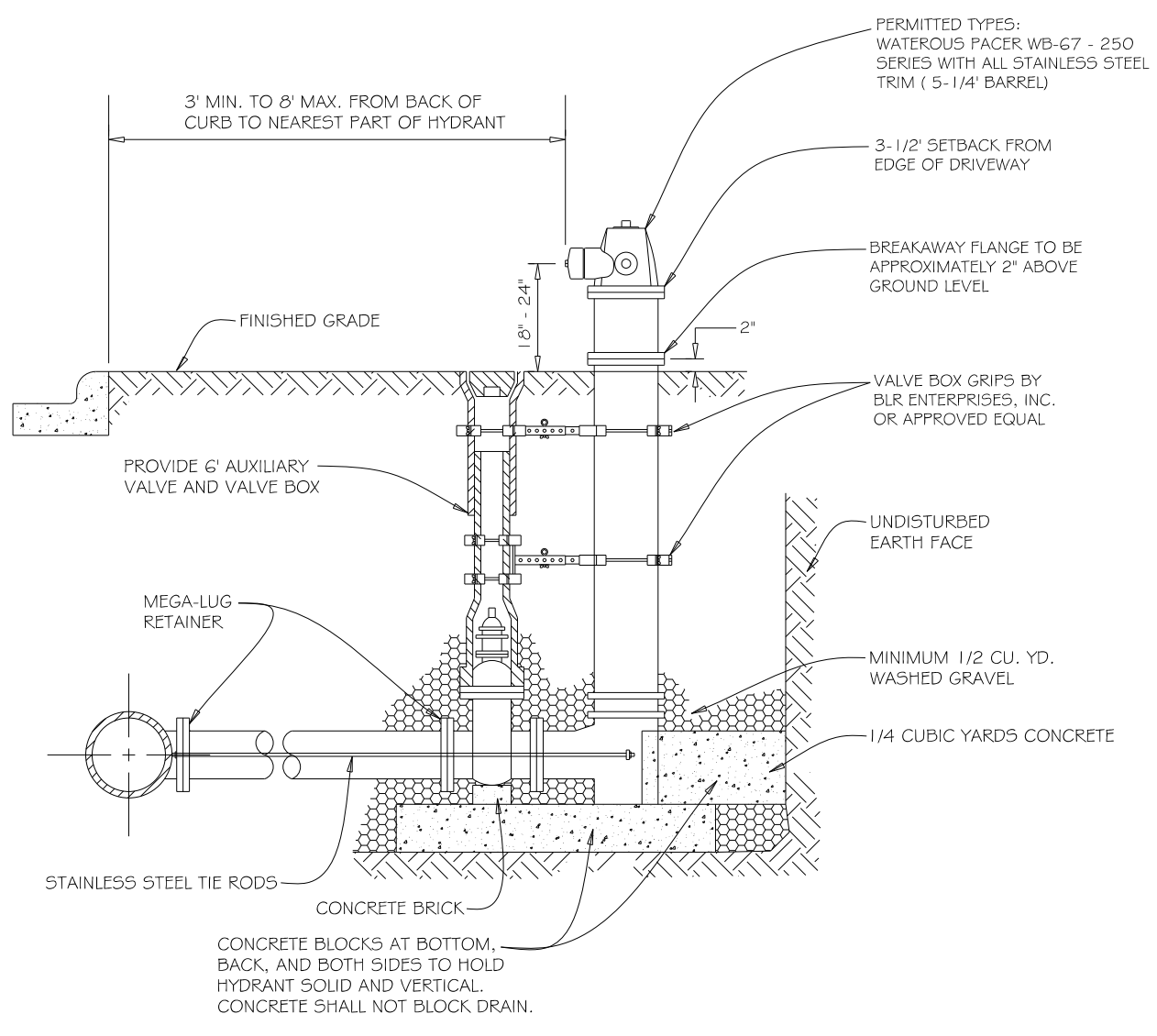
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DRAWN - MAC	REVISED -
CHECKED - JJF	REVISED -
DATE - 10-18-16	FILE - 13101SHT-Misc Details.dgn

**VILLAGE OF VILLA PARK, ILLINOIS
SOUTH MICHIGAN AVENUE**

MISCELLANEOUS DETAILS

SCALE: STA. TO STA.

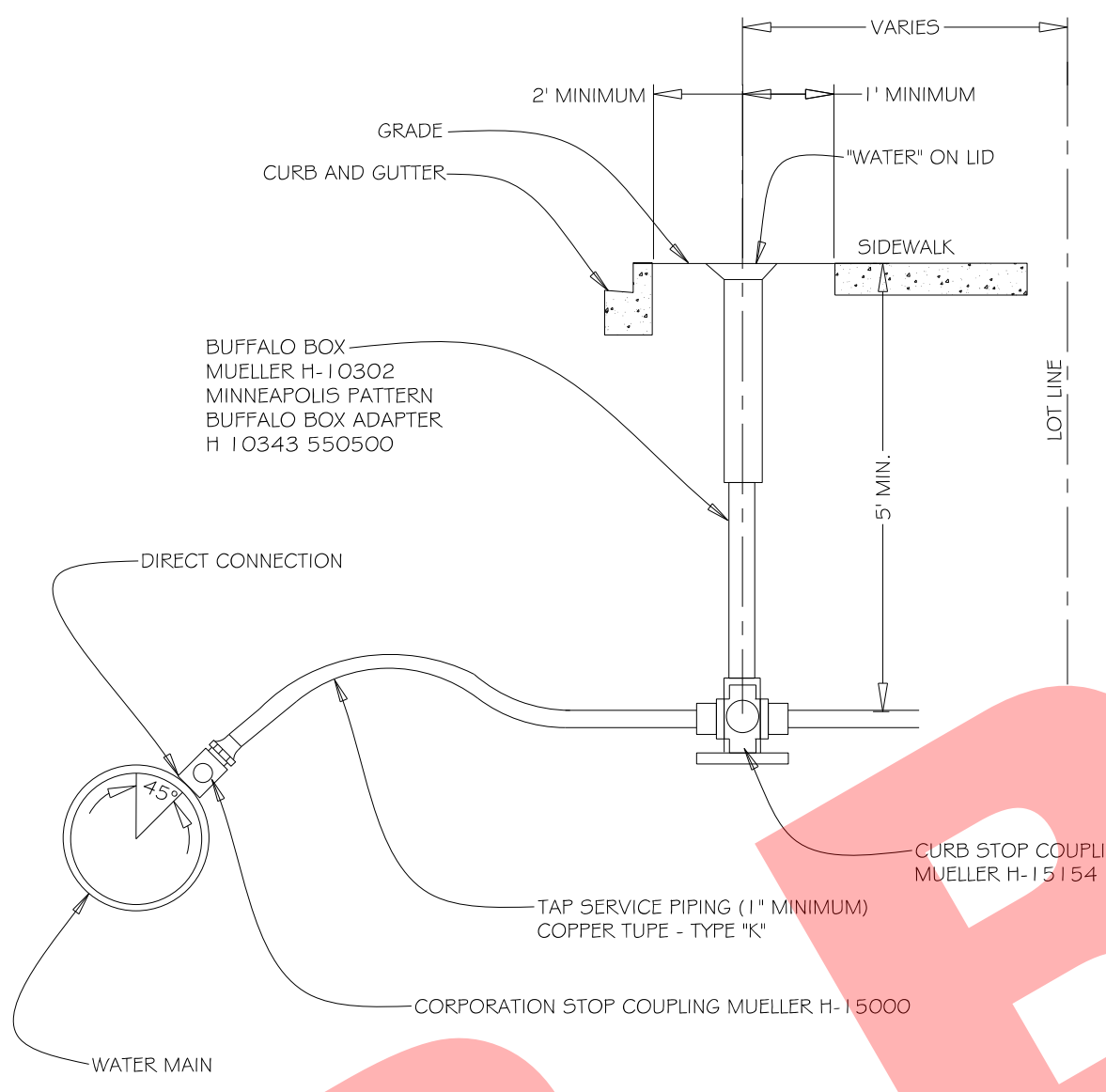
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	N/A	DuPAGE	39	26
CONTRACT NO.				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



- GENERAL NOTES:**
1. MAXIMUM BARREL EXTENSIONS ARE 18 INCHES AND SHALL BE WATEROUS EXTENSION FOR WATEROUS HYDRANTS.
 2. ALL HYDRANTS ARE TO BE SUPPLIED WITH A 6" FLANGED AND MECHANICAL JOINT AUXILIARY VALVE THAT CONFORMS TO AWWA 500-90. ALL TRIM BOLTS ARE TO BE STAINLESS STEEL.
 3. ALL BELOW GRADE FASTENERS TO BE STAINLESS STEEL:
 - A. BOLTS AND THREADED RODS - GRADE #304
 - B. NUTS AND WASHERS - GRADE #300
 4. MEGA-LUG RETAINERS MUST BE INSTALLED ON ALL MECHANICAL FITTINGS.

REV: _____ DATE: _____	VILLAGE OF VILLA PARK
REV: RMS DATE: JUL 2004	WATER - 04
DRAWN BY: VV DATE: JAN 2003	

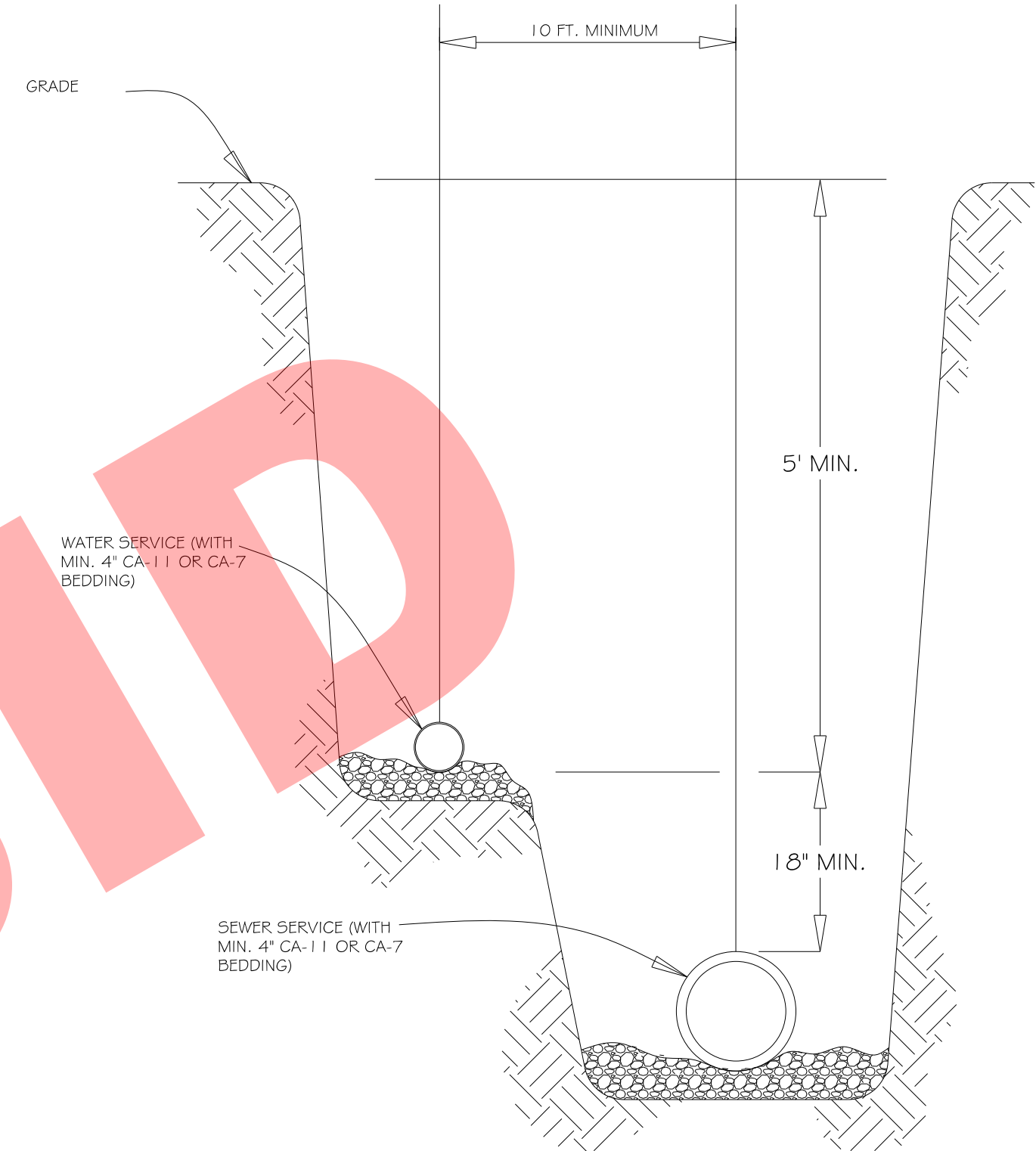
FIRE HYDRANT SETTING



- GENERAL NOTES:**
1. CURB STOP MUST BE INSTALLED 2 (TWO) FEET MINIMUM FROM THE BACK OF CURB AND 1 (ONE) FOOT FROM THE EDGE OF SIDEWALK.
 2. CURB STOP MUST BE INSTALLED PERPENDICULAR TO BUILDING

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

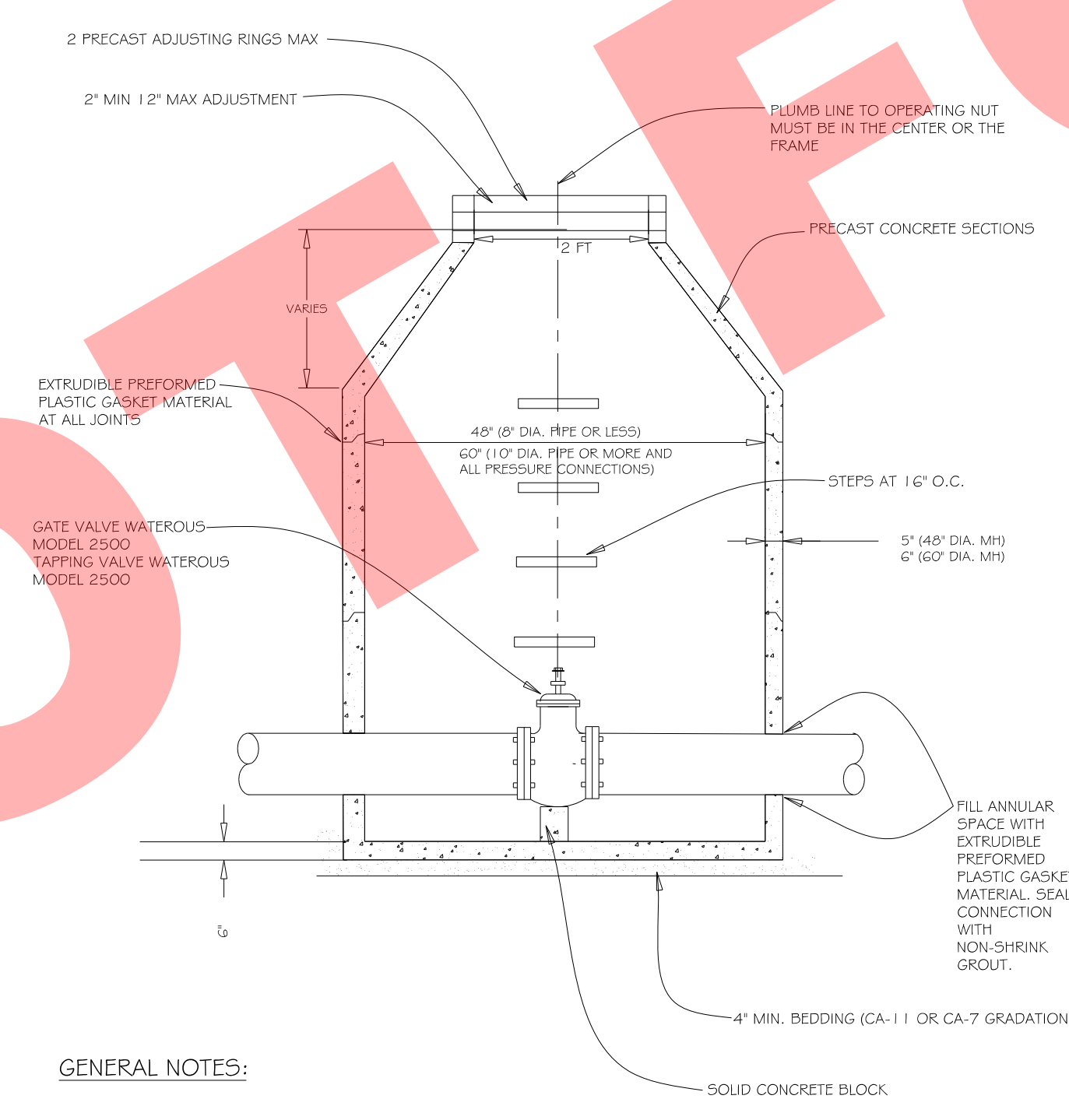
TYPICAL WATER TAP



- GENERAL NOTES:**
1. COMMON TRENCH PER ILLINOIS PLUMBING CODE

REV: _____ DATE: _____	VILLAGE OF VILLA PARK
REV: RMS DATE: JUL 2004	WATER - 13
DRAWN BY: VV DATE: JAN 2003	

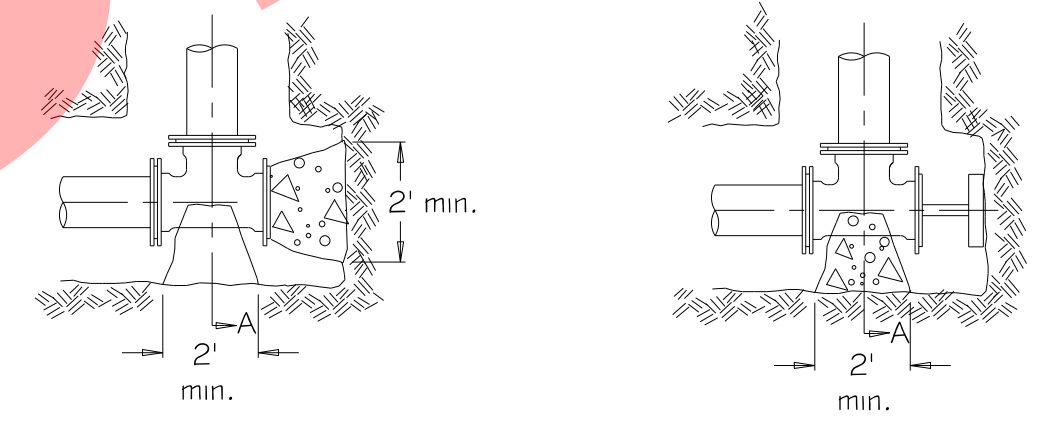
WATER AND SEWER SERVICE SEPARATION



- 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:
 - NENANT R-1015-2000 FRAME
 - NENANT R-1015-2001 SELF SEALING LID
 - "WATER" TO BE CAST INTO COVER

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

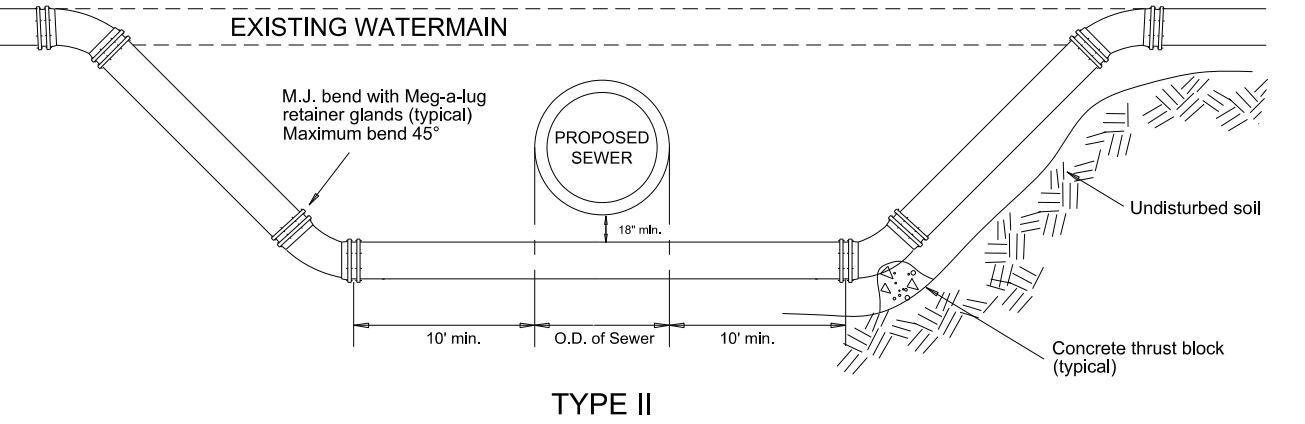
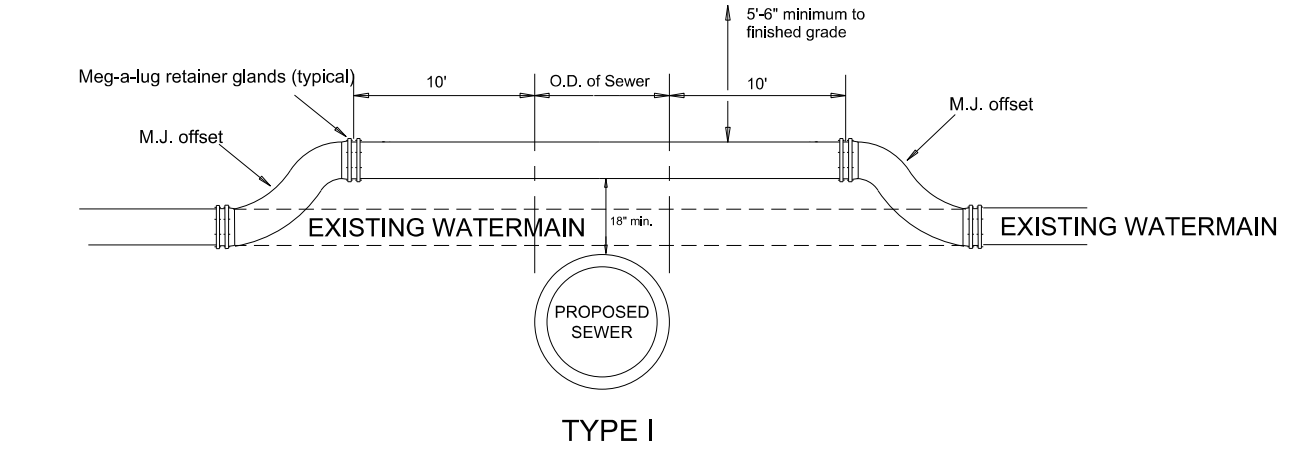
WATER VALVE IN VAULT



- GENERAL NOTES:**
1. Thrust blocks shall be made of 12" thick precast concrete blocks or poured in place concrete.
 2. Thrust blocks shall be installed at all tees and bends of 1.25" and greater.
 3. Thrust blocks shall be installed against undisturbed soil.
 4. Concrete shall be 3000 PSI (min.).
 5. Poured concrete shall be placed in such a manner that pipe and fittings will be accessible for repairs.
 6. All joints requiring thrust blocking shall also use Mega-Lug retainer glands.
 7. Use of wood materials for thrust blocking is strongly prohibited.
 8. All below grade fasteners to be stainless steel:
 - bolts # threaded rods - grade 304
 - nuts # washers - grade 300

REV: _____ DATE: _____	VILLAGE OF VILLA PARK
REV: RMS DATE: FEB 2005	WATER - 22
DRAWN BY: VV DATE: FEB 2005	

THRUST BLOCK INSTALLATION



- GENERAL NOTES:**
1. MEGA-LUG RETAINER GLANDS AND THRUST BLOCKING SHALL BE USED AT ALL FITTINGS AND JOINTS.
 2. AN EIGHTEEN INCH (18") VERTICAL SEPARATION SHALL BE MAINTAINED BETWEEN THE WATERMAIN AND THE PROPOSED SEWER.
 3. WATERMANS SHALL ONLY BE RAISED A MAXIMUM OF 18" WHEN USING M.J. OFFSET FITTINGS.
 4. TYPE I RELOCATIONS SHALL ONLY BE USED WHEN THE TOP OF THE RELOCATED WATERMAIN IS 5/16" OR GREATER BELOW FINISHED GRADE.
 5. TYPE II RELOCATIONS REQUIRE THE PROPOSED SEWER TO BE INSTALLED IN PRESSURE RATED PIPE (CLASS 52 DUCTILE IRON PIPE, OR PVC SDR-26, ASTM D-2241 FR PIPE) BETWEEN MANHOLES, OR ENCASED IN A BITUMINOUS COATED STEEL CASING PIPE, EXTENDING A MINIMUM OF 20' CENTERED ON THE WATERMAIN.
 6. ALL BELOW GRADE FASTENERS SHALL BE STAINLESS STEEL.
 - A. BOLTS: GRADE 304
 - B. NUTS AND WASHERS: GRADE 300

REV: _____ DATE: _____	VILLAGE OF VILLA PARK
REV: RMS DATE: 01/07/2008	WATER - 25
DRAWN BY: VV DATE: 01/07/2008	

WATERMAIN RELOCATION

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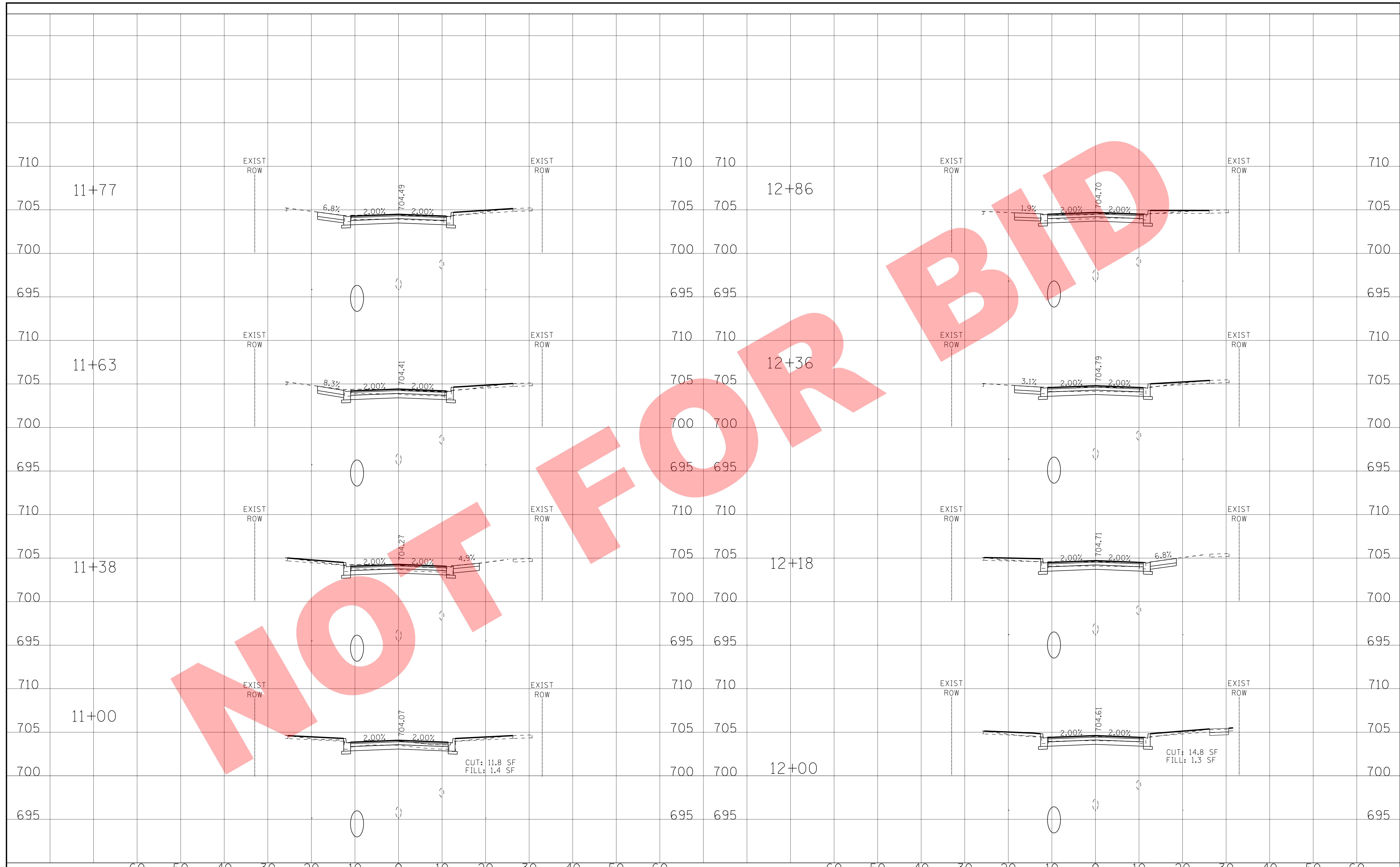
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CHECKED - JJF	REVISED -
DATE - 10-18-16	FILE - 13101SHT-Misc Details.dgn

**VILLAGE OF VILLA PARK, ILLINOIS
SOUTH MICHIGAN AVENUE**

MISCELLANEOUS DETAILS

SCALE: _____ STA. _____ TO STA. _____

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	N/A	DuPAGE	39	27
CONTRACT NO.				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



NOT FOR BIDD

	DESIGNED - JDM	REVISED -	VILLAGE OF VILLA PARK, ILLINOIS SOUTH MICHIGAN AVENUE	SOUTH MICHIGAN AVENUE CROSS SECTIONS	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	DRAWN - KAR	REVISED -								
	CHECKED - TMS	REVISED -								
	DATE - 10-18-16	REVISED -								
				SCALE: H: 1"=10' V: 1"=5'	STA. 11+00	TO STA. 13+34				
						CUT: 14.8 SF FILL: 1.3 SF		CONTRACT NO.		
				FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT						



NOT FOR BIDD



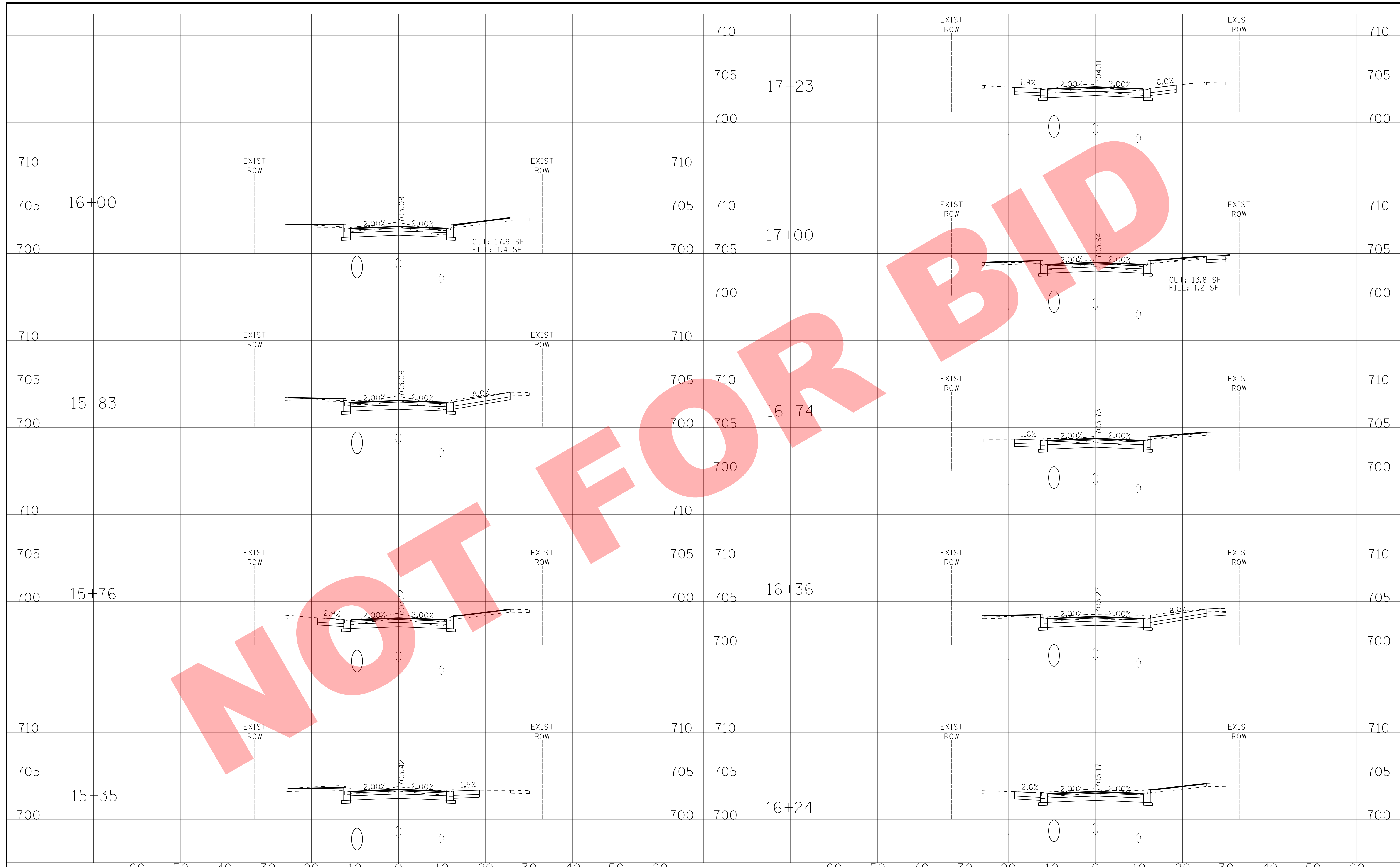
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DRAWN - KAR	REVISED -
CHECKED - TMS	REVISED -
DATE - 10-18-16	REVISED -

**VILLAGE OF VILLA PARK, ILLINOIS
SOUTH MICHIGAN AVENUE**

**SOUTH MICHIGAN AVENUE
CROSS SECTIONS**

SCALE: H: 1"=10' V: 1"=5' STA. 13+62 TO STA. 15+35

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	N/A		39	30
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO.	



NOT FOR BID

BAXTER & WOODMAN
Consulting Engineers

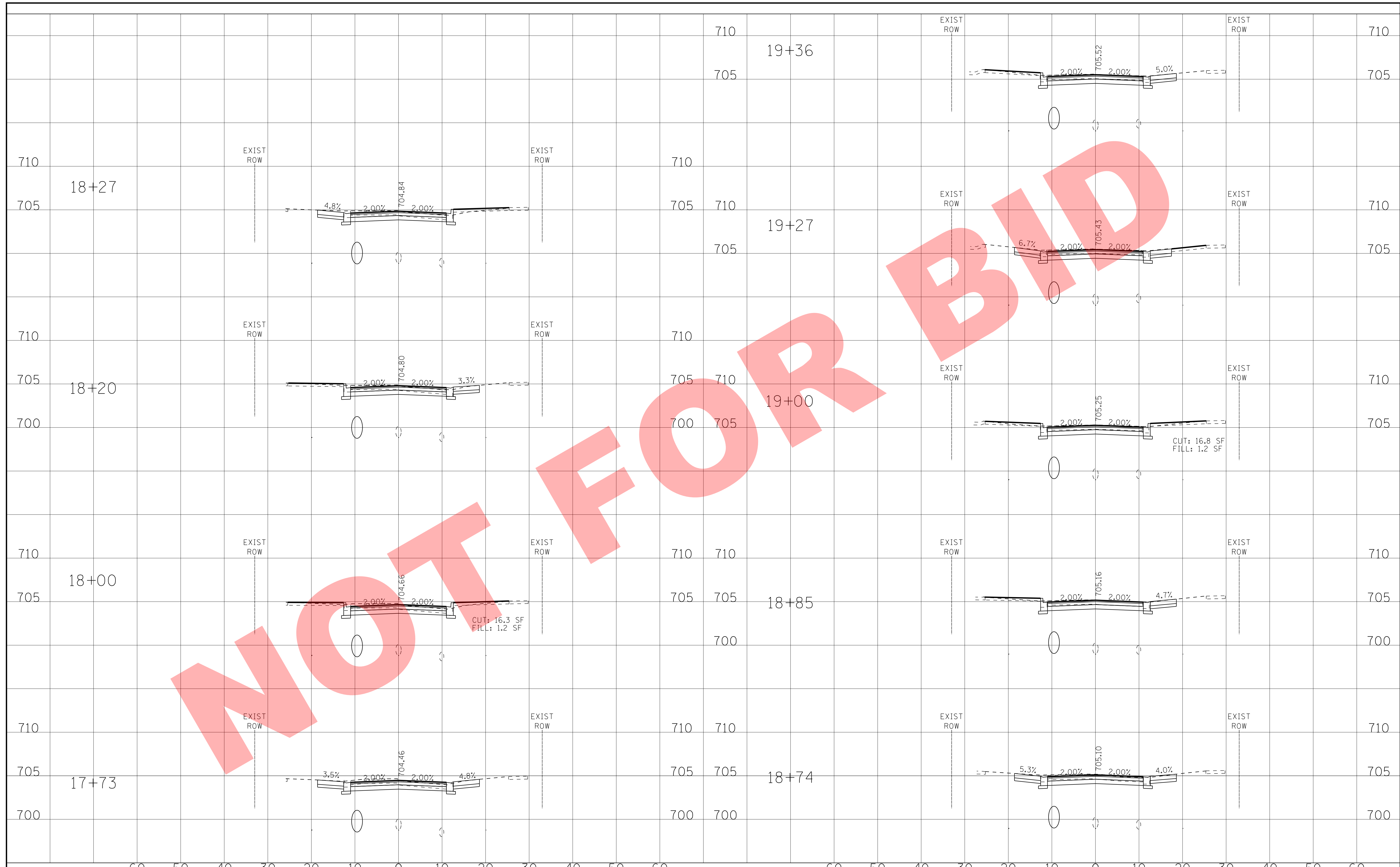
DESIGNED - JDM	REVISED -
DRAWN - KAR	REVISED -
CHECKED - TMS	REVISED -
DATE - 10-18-16	REVISED -

**VILLAGE OF VILLA PARK, ILLINOIS
SOUTH MICHIGAN AVENUE**

**SOUTH MICHIGAN AVENUE
CROSS SECTIONS**

SCALE: H: 1"=10' V: 1"=5' STA. 15+76 TO STA. 17+23

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	N/A		39	31
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	



NOT FOR BID

BAXTER & WOODMAN
Consulting Engineers

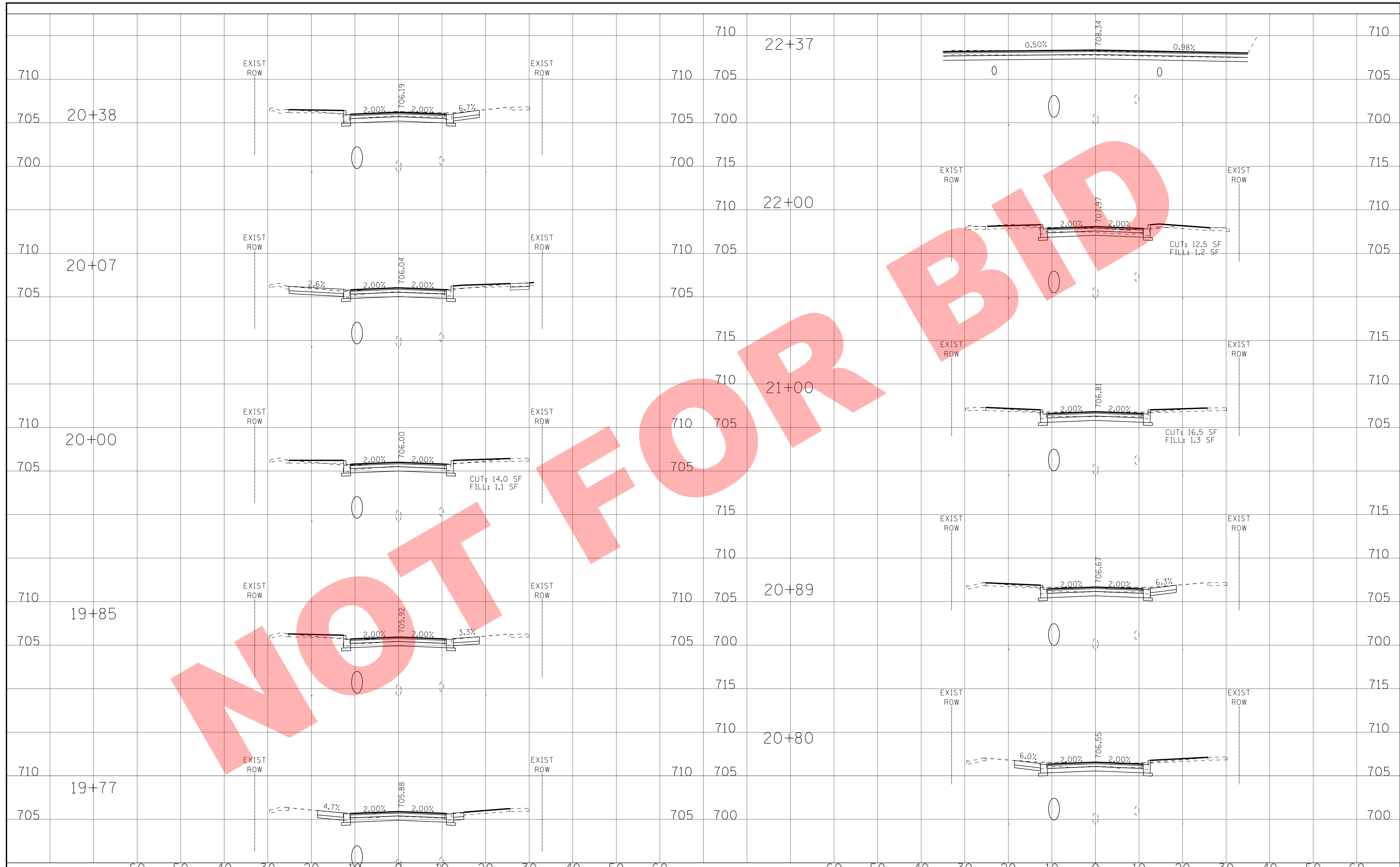
DESIGNED - JDM	REVISED -
DRAWN - KAR	REVISED -
CHECKED - TMS	REVISED -
DATE - 10-18-16	REVISED -

**VILLAGE OF VILLA PARK, ILLINOIS
SOUTH MICHIGAN AVENUE**

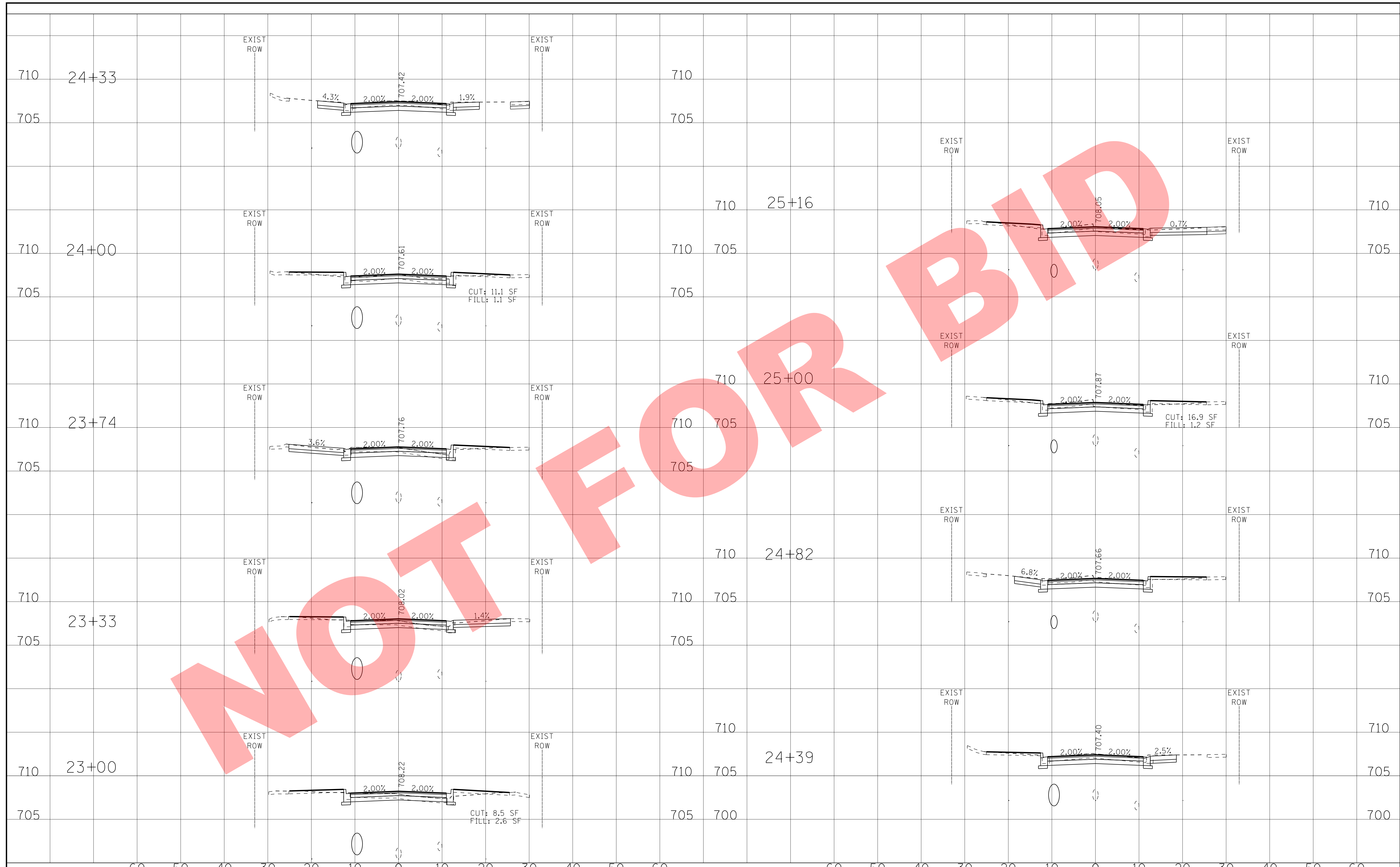
**SOUTH MICHIGAN AVENUE
CROSS SECTIONS**

SCALE: H: 1"=10' V: 1"=5' STA. 17+73 TO STA. 19+36

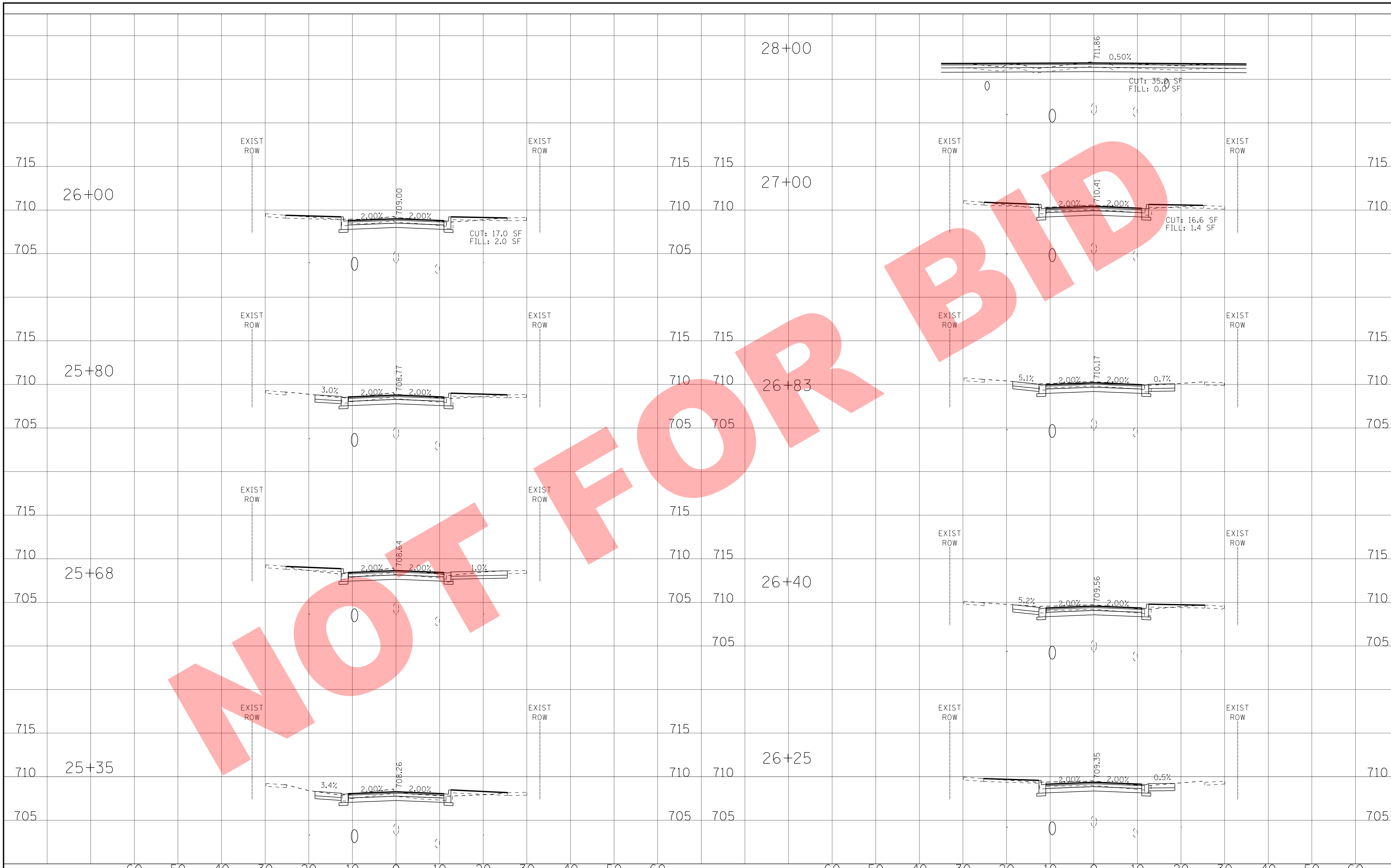
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	N/A		39	32
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	



NOT FOR BIDD

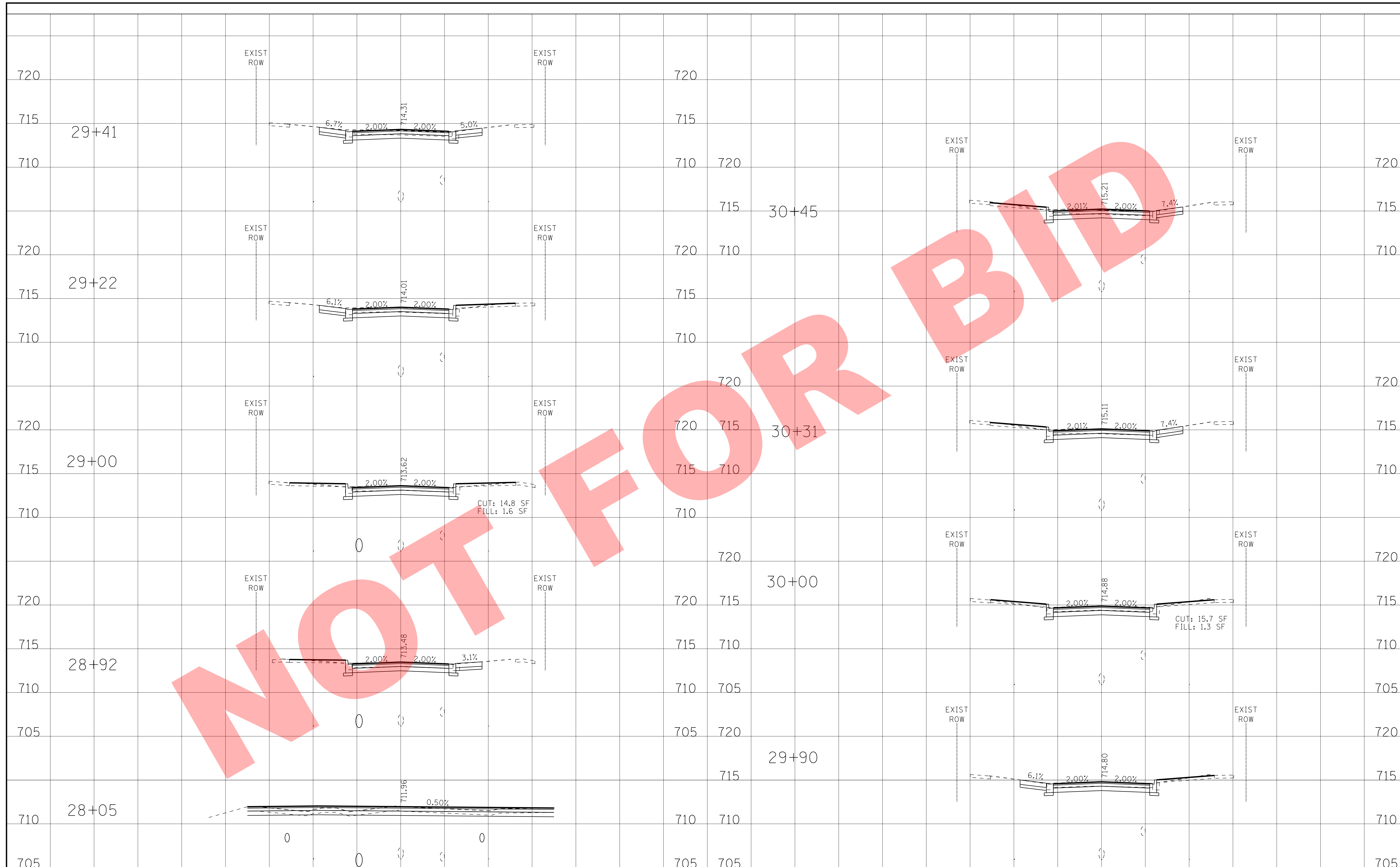


NOT FOR BIDD

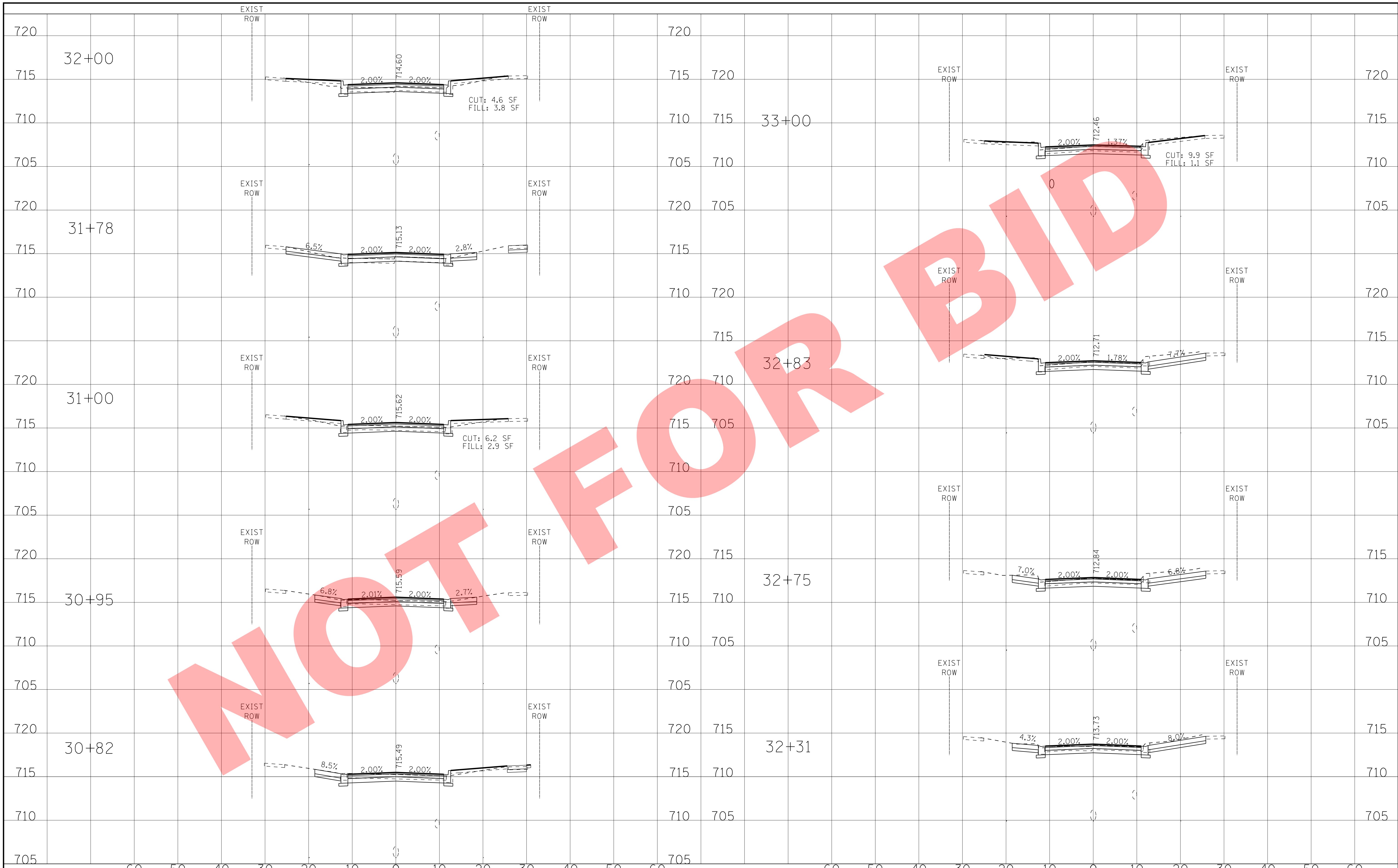


NOT FOR BIDD

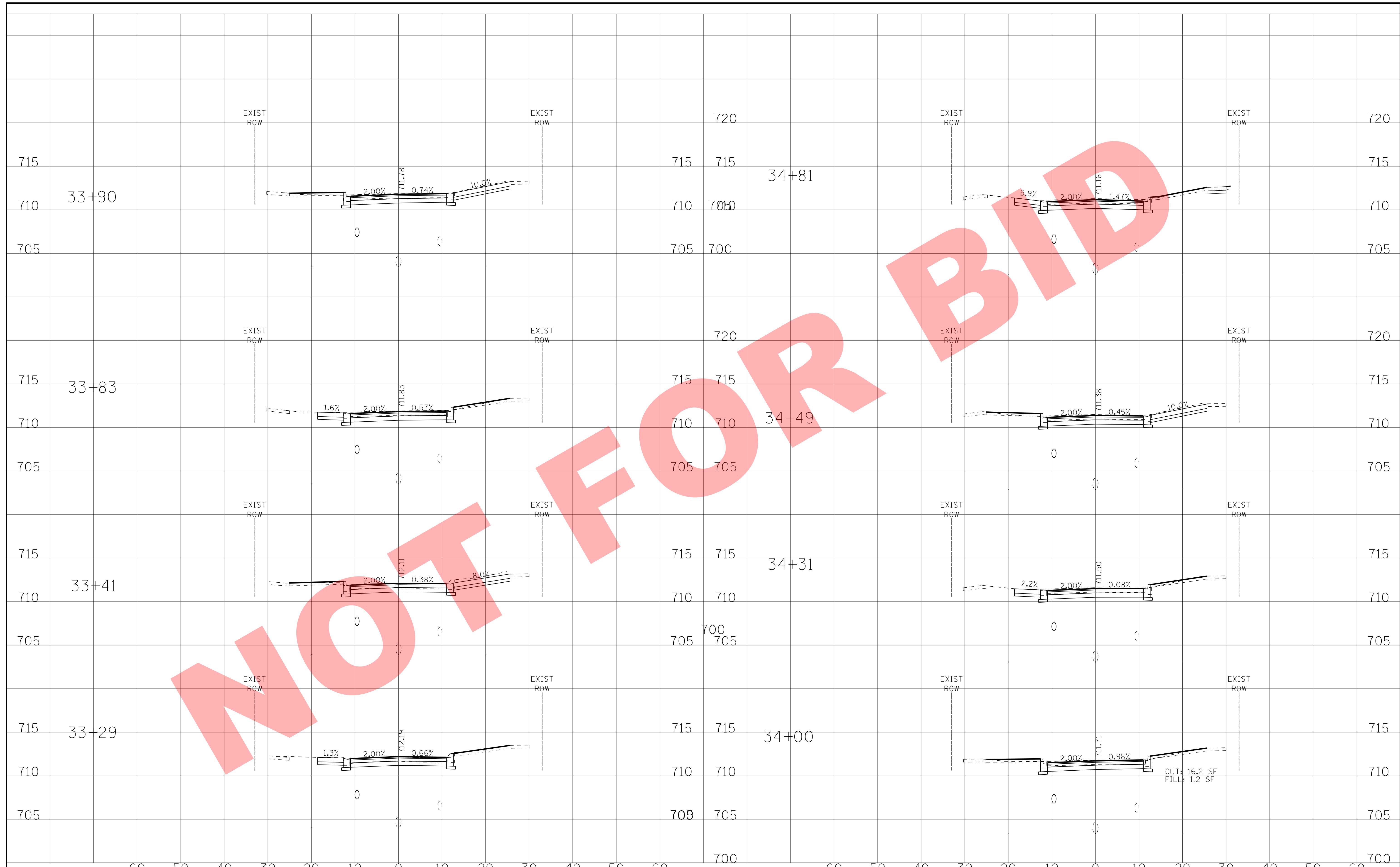
NOT FOR BID



	DESIGNED - JDM	REVISED -	VILLAGE OF VILLA PARK, ILLINOIS SOUTH MICHIGAN AVENUE	SOUTH MICHIGAN AVENUE CROSS SECTIONS			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	DRAWN - KAR	REVISED -		SCALE: H: 1"=10' V: 1"=5'			STA. 28+05	TO STA. 30+45	N/A	DUPAGE	39	36
	CHECKED - TMS	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT						CONTRACT NO.		
	DATE - 10-18-16	REVISED -										



NOT FOR BID



NOT FOR BID

BAXTER & WOODMAN
Consulting Engineers

DESIGNED - JDM	REVISED -
DRAWN - KAR	REVISED -
CHECKED - TMS	REVISED -
DATE - 10-18-16	REVISED -

VILLAGE OF VILLA PARK, ILLINOIS
SOUTH MICHIGAN AVENUE

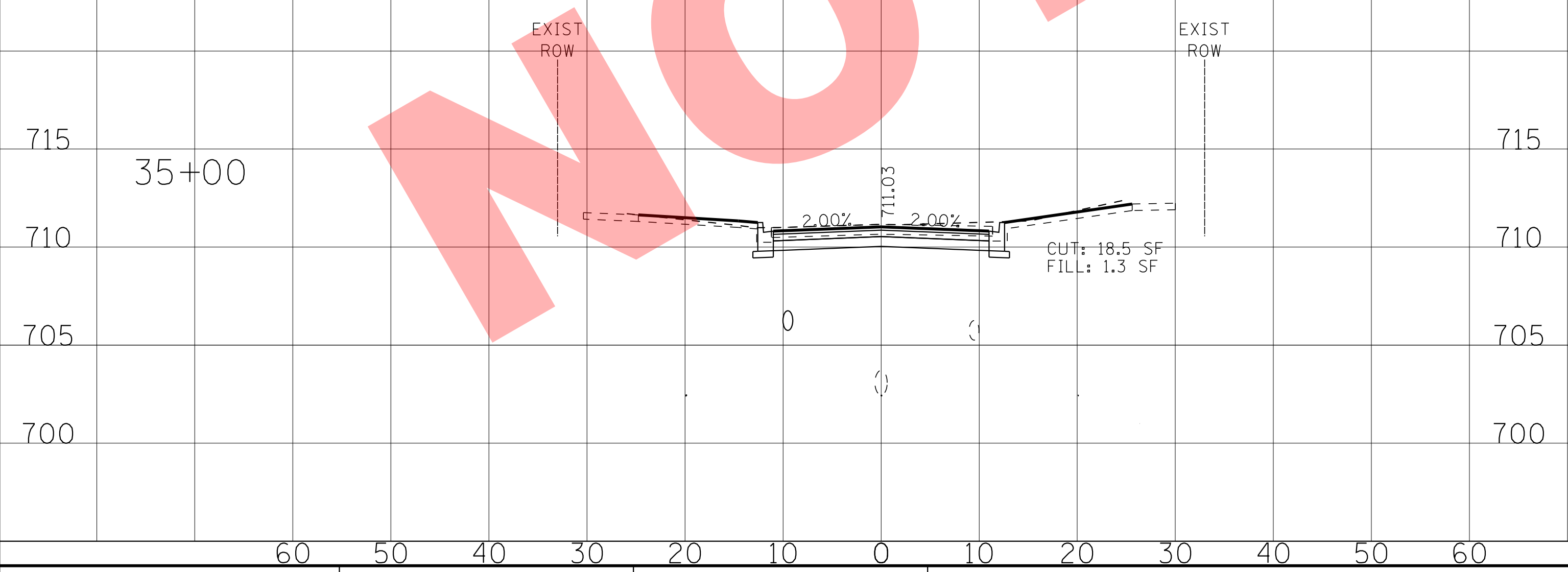
SOUTH MICHIGAN AVENUE
CROSS SECTIONS

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

STA. 33+29 TO STA. 34+81

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	N/A		39	38
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	

NOT FOR BID



BAXTER & WOODMAN
Consulting Engineers

DESIGNED - JDM	REVISED -
DRAWN - KAR	REVISED -
CHECKED - TMS	REVISED -
DATE - 10-18-16	REVISED -

VILLAGE OF VILLA PARK, ILLINOIS
SOUTH MICHIGAN AVENUE

**SOUTH MICHIGAN AVENUE
CROSS SECTIONS**

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

STA. 35+00 TO STA. 35+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	N/A		39	39
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	