

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	N/A	DuPAGE	24	1

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 STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
 LICENSE NO. - 184-001121 - EXPIRES 4/30/21

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 CENTRAL BOULEVARD TO WEST KENILWORTH AVENUE

DuPAGE COUNTY

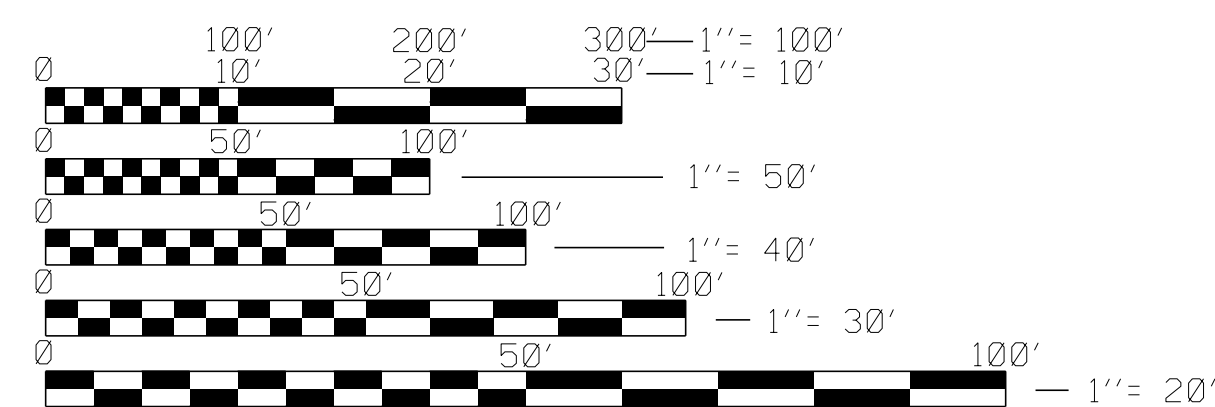
NOT FOR BID

NOT FOR BID

NOT FOR BID

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.U.L.I.E. DESIGN STAGE REQUEST
 DIG. No. X0080114



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

LOCATION MAP
 (NOT TO SCALE)
 R11E

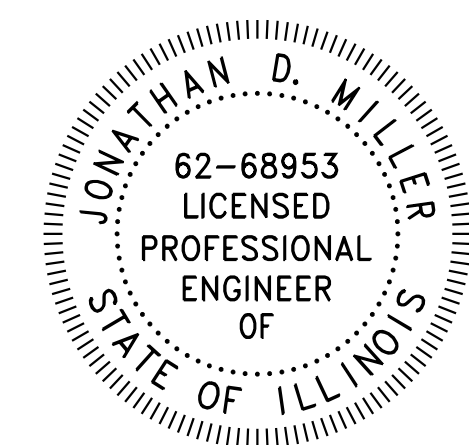


END IMPROVEMENTS
 SOUTH MICHIGAN AVENUE
 STA 28+91



BEGIN IMPROVEMENTS
 SOUTH MICHIGAN AVENUE
 STA 10+09

YORK TOWNSHIP
 GROSS AND NET LENGTH OF IMPROVEMENT = 1,882 LF OR 0.356 MILES



PROJECT ENGINEER
 "LICENSE EXPIRES 11-30-2021"



GENERAL NOTES

- ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE DETAILS IN THE PLANS, THE SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS, VILLAGE OF VILLA PARK STANDARD SPECIFICATIONS, 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. CONTRACTOR SHALL CONTACT JULIE AT 811 OR 800-892-0123 IN ADVANCE OF BEGINNING WORK.
- THE CONTRACTOR SHALL NOTIFY THE VILLAGE PUBLIC WORKS ADMINISTRATOR 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 AGGREGATE SURFACE COURSE FOR TEMPORARY ACCESS.
- IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE ENGINEER, RESIDENTS AND THE VILLAGE, FIVE WORKING DAYS PRIOR TO CONSTRUCTION, WHEN ACCESS TO DRIVEWAYS WILL BE TEMPORARILY CLOSED DUE TO CURB AND GUTTER AND/OR DRIVEWAY REPLACEMENT. THE CONTRACTOR SHALL DISTRIBUTE NOTICES PROVIDED BY THE VILLAGE TO RESIDENTS 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. TRANSVERSE EXPANSION JOINTS 3/4" SHALL BE PLACED EVERY 50 FEET OR AS DETERMINED BY THE ENGINEER. TRANSVERSE CONTRACTION JOINTS SHALL BE PLACED EVERY 5- FEET.
- A 1/2-INCH THICK EXPANSION JOINT SHALL BE PROVIDED AT THE JUNCTION OF THE DRIVEWAY APRON AND CURB, THE JUNCTION OF THE DRIVEWAY APRON AND THE SIDEWALK, AND THE JUNCTION BETWEEN CURB AND SIDEWALK. THIS WORK WILL BE INCLUDED IN THE COST OF PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT OR PORTLAND CEMENT CONCRETE SIDEWALK.
- THE CONTRACTOR SHALL CONTACT THE LOCAL AGENCY MATERIAL INSPECTOR AT LEAST 48 HOURS PRIOR TO ANY CONCRETE OR HOT-MIX ASPHALT MATERIAL DELIVERIES AND CONTACT THE VILLAGE 72 HOURS PRIOR TO SIGN REMOVAL/RELOCATION.
- 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-2 (3200 PSI AT 24 HOURS SEE ARTICLE 1020.04) 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.
- 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.
- 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.
- 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 LIDS AND GRATES SHALL ALSO BE STAMPED WITH "VILLAGE OF VILLA PARK".
- EXISTING GROUND CONTOURS AND ELEVATIONS WERE DETERMINED FROM AVAILABLE PLANS AND FIELD SURVEYS. AS DETERMINED BY THE ENGINEER, PROPOSED GROUND ELEVATIONS MAY BE REVISED TO MEET FIELD CONDITIONS.

INDEX OF SHEETS

1	COVER SHEET
2	GENERAL NOTES, INDEX OF SHEETS, LEGEND, BENCHMARKS AND HIGHWAY STANDARDS
3 - 4	SUMMARY OF QUANTITIES
5	SCHEDULE OF QUANTITIES
6	TYPICAL SECTIONS AND HOT-MIX ASPHALT MIXTURE REQUIREMENTS
7 - 8	REMOVAL PLAN
9 - 12	PLAN AND PROFILE
13 - 16	DRAINAGE AND UTILITY
17	EROSION CONTROL NOTES
18 - 19	EROSION CONTROL PLAN
20	SIDEWALK DETAILS
21 - 23	MISCELLANEOUS DETAILS
24	(TC-10) TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS
25	(TC-13) DISTRICT ONE TYPICAL PAVEMENT MARKINGS

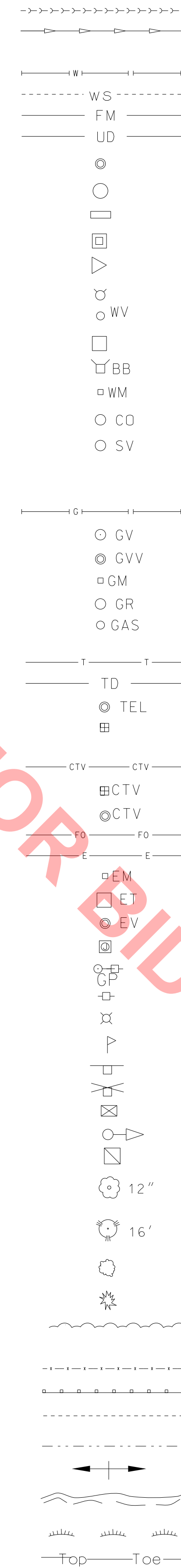
HIGHWAY STANDARDS

000001-07	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
424001-11	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
602001-02	CATCH BASIN TYPE A
602011-02	CATCH BASIN TYPE C
602301-04	INLET - TYPE A
602402-02	PRECAST MANHOLE TYPE A 5' (1.52m) DIAMETER
602601-06	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701-02	MANHOLE STEPS
604001-05	FRAME AND LIDS TYPE 1
604051-04	FRAME AND GRATE TYPE 11
604056-04	FRAME AND GRATE TYPE 11V
606001-07	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
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
701901-08	TRAFFIC CONTROL DEVICES

BENCHMARKS

DATUM IS NAVD88	
BM #1	SOUTHWEST BOLT ON FIRE HYDRANT AT NORTHWEST CORNER OF S MICHIGAN AVENUE AND W CENTRAL BOULEVARD EL = 713.465
BM #2	BOLT ON FIRE HYDRANT AT 328 S MICHIGAN AVENUE EL = 711.182
BM #3	BOLT ON FIRE HYDRANT AT SOUTHWESTCORNER OF S MICHIGAN AVENUE AND W SCHOOL STREET EL = 708.722
BM #4	NORTHWEST BOLT ON FIRE HYDRANT AT 202 S MICHIGAN AVENUE EL = 710.950
BM #5	NORTHWEST BOLT ON FIRE HYDRANT AT 126 S MICHIGAN AVENUE EL = 706.110
BM #6	NORTHWEST BOLT ON FIRE HYDRANT AT 232 W KENILWORTH AVENUE EL = 703.653
YK09002 DuPAGE COUNTY GEODETIC SURVEY MONUMENT ALONG ADDISON AVENUE BETWEEN THE ILLINOIS PRAIRIE PATH AND CENTRAL BOULEVARD. 21.5 FT S OF CL CENTRAL BLVD, 54.0 FT E OF CL ADDISON AVE, 67.0 FT N OF CL ILLINOIS PRAIRIE PATH, AND 146.0 FT N OF PARK AVENUE. ELEV = 709.33 NORTHING 1899945, EASTING 1078418	
YK09003 DuPAGE COUNTY GEODETIC SURVEY MONUMENT ALONG HARVARD AVENUE AT THE INTERSECTION WITH PARK AVENUE. 15.4 FT E OF CL OF HARVARD AVE, 89.5 N OF CL PARK AVE, 79.5 S OF CL CENTRAL BLVD. ELEV = 707.14 NORTHING 1899995, EASTING 1079440	

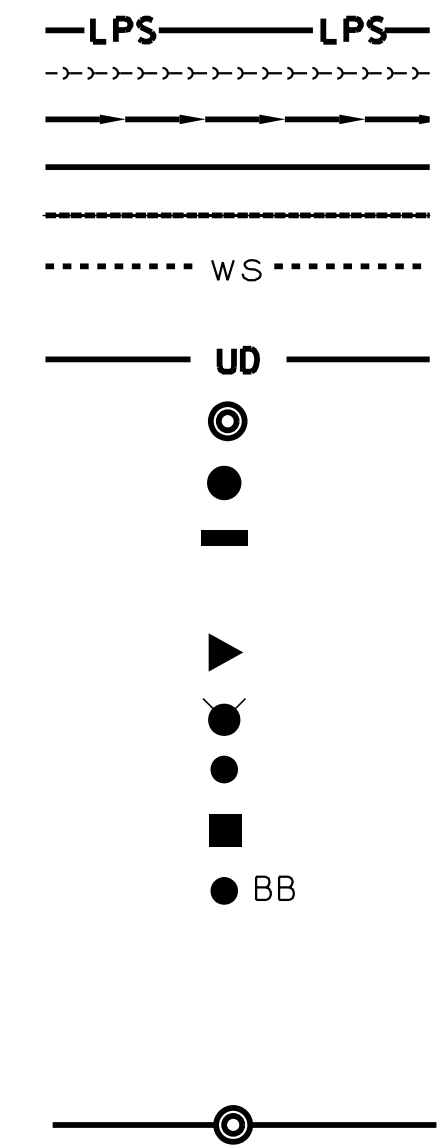
EXISTING



LEGEND

- 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

PROPOSED



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	USER NAME = 642jdm	DESIGNED - JDM	REVISED -	VILLAGE OF VILLA PARK, ILLINOIS SOUTH MICHIGAN AVENUE	GENERAL NOTES, INDEX OF SHEETS, LEGEND, BENCHMARKS AND HIGHWAY STANDARDS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 20.0000' / in.	CHECKED - TMS	REVISED -			N/A	N/A	DuPAGE	24	2
PLOT DATE = 3/26/2020	DATE - 3-30-20	FILE - 161063SHT_SS4-GenNotes.dgn		SCALE: NONE	SHEET OF SHEETS STA. TO STA.	ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

ITEM NO.	ITEM	UNIT	TOTAL QUANTITY
* 1	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	87
* # 2	STUMP REMOVAL	UNIT	27
* # 3	TREE PROTECTION FENCING	EACH	53
* # 4	TREE ROOT PRUNING	EACH	53
* # 5	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	8
* # 6	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	45
* # 7	TREES	EACH	12
8	EARTH EXCAVATION	CU YD	1,950
9	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	812
10	TRENCH BACKFILL	CU YD	426
11	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	4,868
# 12	PARKWAY RESTORATION	SQ YD	2,300
* 13	PERIMETER EROSION BARRIER	FOOT	250
# 14	INLET FILTERS	EACH	26
# 15	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	812
16	AGGREGATE BASE COURSE, TYPE B 6"	SQ YD	4,868
# 17	BITUMINOUS MATERIALS (TACK COAT)	POUND	4,390
18	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	1,134
19	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	574
20	PROTECTIVE COAT	SQ YD	2,006
# 21	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 4"	SQ YD	680
# 22	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	500
# 23	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	3,590
# 24	DETECTABLE WARNINGS	SQ FT	140
# 25	PAVEMENT REMOVAL	SQ YD	4,868
# 26	DRIVEWAY PAVEMENT REMOVAL	SQ YD	1,051
27	COMBINATION CURB AND GUTTER REMOVAL	FOOT	3,870
# 28	SIDEWALK REMOVAL	SQ FT	4,020
# 29	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	FOOT	39
# 30	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 12"	FOOT	143
# 31	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 24"	FOOT	155
# 32	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 24"	FOOT	401
# 33	STORM SEWER RESTRICTOR 15"	EACH	1
# 34	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	FOOT	121
35	STORM SEWER REMOVAL 8"	FOOT	66

* INDICATES SPECIALTY ITEM
INDICATES SPECIAL PROVISION

ITEM NO.	ITEM	UNIT	TOTAL QUANTITY
36	PVC PIPE DRAINS SDR 26 ASTM D-2241, 6"	FOOT	150
# 37	CATCH BASINS, TYPE A, 4'-DIAMETER	EACH	2
# 38	CATCH BASINS, TYPE C	EACH	12
# 39	MANHOLES, TYPE A, 5'-DIAMETER	EACH	6
# 40	INLETS, TYPE A	EACH	2
41	FRAMES AND GRATES, TYPE 11	EACH	2
42	FRAMES AND GRATES, TYPE 11V	EACH	14
43	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	11
44	MANHOLES TO BE ADJUSTED	EACH	5
45	INLETS TO BE ADJUSTED	EACH	7
46	VALVE VAULTS TO BE ADJUSTED	EACH	2
47	REMOVING MANHOLES	EACH	7
48	REMOVING CATCH BASINS	EACH	3
49	REMOVING INLETS	EACH	3
50	REMOVE WATER VALVE	EACH	4
# 51	WATER VALVES 6"	EACH	4
52	VALVE VAULTS, TYPE A, 4'-DIAMETER	EACH	1
# 53	FIRE HYDRANTS TO BE REMOVED	EACH	5
# 54	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX	EACH	8
# 55	WATER SERVICE CONNECTION (LONG) 1"	EACH	31
# 56	WATER SERVICE CONNECTION (SHORT) 1"	EACH	29
57	DOMESTIC WATER SERVICE BOXES TO BE MOVED	EACH	2
# 58	ADJUSTING WATER SERVICE LINES	EACH	23
# 59	WATER MAIN RELOCATION	EACH	6
# 60	CONNECTION TO EXISTING WATER MAIN, 6"	EACH	6
# 61	SANITARY SEWER SERVICE REPLACEMENT	FOOT	252
# 62	SANITARY SEWER SERVICE RECONNECTION	EACH	14
# 63	SANITARY SEWER PIPE, PVC SDR 26 ASTM D-2241, 15"	FOOT	37
# 64	SANITARY MANHOLES, TYPE A, 4'-DIAMETER	EACH	4
# 65	SANITARY SEWER SERVICE COMBINATION CLEAN OUT CHECK VALVE	EACH	14
66	ADJUSTING SANITARY SEWER SERVICE LINE	EACH	9
67	NON-SPECIAL WASTE DISPOSAL	CU YD	100
# 68	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	LSUM	1
* 69	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	168
* 70	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	44

* INDICATES SPECIALTY ITEM
INDICATES SPECIAL PROVISION

ITEM NO.	ITEM	UNIT	TOTAL QUANTITY
# 71	DUST CONTROL WATERING	UNIT	30
# 72	WATER SERVICE INVESTIGATION	EACH	60
# 73	SANITARY SERVICE INVESTIGATION	EACH	23
# 74	EXPLORATION TRENCH, SPECIAL	FOOT	500
# 75	AGGREGATE TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	52
# 76	HOT-MIX ASPHALT TEMPORARY ACCESS (ROAD)	EACH	4
# 77	SANITARY MANHOLES TO BE ADJUSTED	EACH	3
# 78	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (SPECIAL)	FOOT	3,860
79	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	1
80	CONSTRUCTION LAYOUT	LSUM	1
# 81	PRE-CONSTRUCTION VIDEO RECORDING	LSUM	1
# 82	POST-CONSTRUCTION SEWER TELEVISION	LSUM	1
# 83	WATER USAGE DEDUCTION	TGAL	100
# 84	WATER USAGE CREDIT	TGAL	100
# 85	CONTINGENCY ALLOWANCE	DOLLAR	30,000

* INDICATES SPECIALTY ITEM
INDICATES SPECIAL PROVISION

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USER NAME = 642jdm	DESIGNED - JDM	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN - KAR	REVISED -
PLOT DATE = 3/26/2020	CHECKED - TMS	REVISED -
	DATE - 3-30-20	FILE - 161063SHT_SS4-SOQ.dgn

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

SUMMARY OF QUANTITIES

SCALE: NONE SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	N/A	DuPAGE	24	3
CONTRACT NO.			N/A	
ILLINOIS FED. AID PROJECT				

SCHEDULE OF QUANTITIES

DRIVEWAY SCHEDULE								
STATION	SIDE	TYPE	AGGREGATE	AGGREGATE	HOT-MIX	PORTLAND	TEMPORARY	
			BASE	BASE	ASPHALT	CEMENT		
			COURSE,	COURSE,	DRIVEWAY	CONCRETE	ACCESS	
			TYPE B 4"	TYPE B 6"	PAVEMENT,	DRIVEWAY	(PRIVATE	
			SQ YD	SQ YD	4"	PAVEMENT, 6	ENTRANCE)	
					INCH	SQ YD	EACH	
					INCH	SQ YD		
11+06	RT	PE	20			20	18	1
11+59	LT	PE		21	21		18	1
11+62	RT	PE		18	18		17	1
12+09	LT	PE		20	20		18	1
12+62	LT	PE		19	19		17	1
12+69	RT	PE	20			20	18	1
13+13	LT	PE		18	18		15	1
13+14	RT	PE	20			20	17	1
13+63	LT	PE		21	21		20	1
13+67	RT	PE	33			33	30	1
14+12	LT	PE	21			21	18	1
14+22	RT	PE	16			16	12	1
14+62	LT	PE		21	21		18	1
14+71	RT	PE	17			17	14	1
15+12	LT	PE		19	19		15	1
15+22	RT	PE	17			17	14	1
15+61	LT	PE		19	19		18	1
15+75	RT	PE		20	20		19	1
15+83	LT	PE	44			44	43	1
18+25	RT	PE		26	26		23	1
18+62	LT	PE	21			21	19	1
19+13	RT	PE		54	54		50	1
19+63	LT	PE	22			22	19	1
20+13	LT	PE	19			19	16	1
20+21	RT	PE	17			17	31	1
20+63	LT	PE	20			20	16	1
21+12	RT	PE		19	19		16	1
21+51	LT	PE		31	31		29	1
21+61	RT	PE	22			22	22	1
22+11	RT	PE	24			24	22	1
22+61	LT	PE		22	22		20	1
22+63	RT	PE		20	20		20	1
22+77	RT	PE		23	23		21	1
23+11	LT	PE		21	21		18	1
23+61	LT	PE	24			24	21	1
23+63	RT	PE	21			21	17	1
24+12	LT	PE	16			16	13	1
24+12	RT	PE		24	24		22	1
24+60	LT	PE	23			23	21	1
24+61	RT	PE		24	24		23	1
25+12	LT	PE		19	19		16	1
25+12	RT	PE	23			23	20	1
25+61	LT	PE	17			17	14	1
25+63	RT	PE		22	22		18	1
26+11	LT	PE		20	20		18	1
26+13	RT	PE		23	23		20	1
26+61	RT	PE		22	22		21	1
26+66	LT	PE		30	30		27	1
27+12	RT	PE		22	22		21	1
27+35	LT	PE		22	22		18	1
27+63	RT	PE		23	23		20	1
27+72	LT	PE	23			23	20	1
			500	680	680	500	1051	52

PAVEMENT SCHEDULE						
LOCATION	AGGREGATE	AGGREGATE	HMA BINDER		HMA SURFACE	
	COURSE	COURSE	SQ YD	TON	SQ YD	TON
	TYPE B, 4"	TYPE B, 6"				
	SQ YD	SQ YD				
CURB *	1,107					
SIDEWALK, 5" *	399					
HMA DRIVEWAY, 4" *		680	644	93	680	59
PCC DRIVEWAY, 6" *	500					
PAVEMENT AREA		4,868	4,868	1,134	4,868	574
TOTAL	2,006	5,548	5,512	1,227	5,548	633

*AGGREGATE INCLUDED IN THE COST OF THESE ITEMS (NOT PAID FOR SEPARATELY)

TREE SCHEDULE								
STATION	SIDE	TREE	STUMP	TREE TRUNK	TREE ROOT	TREE PRUNING	TREE PRUNING	TREES
		REMOVAL	REMOVAL	PROTECTION	PRUNING	(1 TO 10 INCH	(OVER 10 INCH	
		UNIT	UNIT	EACH	EACH	DIAMETER)	DIAMETER)	
				EACH	EACH	EACH	EACH	EACH
10+58	LT			1	1		1	
10+62	RT			1	1		1	
11+32	LT			1	1		1	
11+33	RT			1	1		1	
11+78	RT			1	1		1	
11+85	LT			1	1		1	
12+13	RT			1	1		1	
12+37	LT			1	1		1	
12+81	RT			1	1		1	
12+89	LT			1	1		1	
13+03	RT			1	1		1	
13+31	RT			1	1		1	
13+43	LT			1	1		1	
13+47	RT			1	1		1	
13+87	LT							1
14+37	RT			1	1		1	
14+43	LT			1	1		1	
14+99	RT			1	1		1	
15+43	RT			1	1	1		
16+41	RT			1	1		1	
16+42	LT	18						1
16+89	RT			1	1		1	
16+97	LT	18						1
17+92	LT			1	1		1	
18+00	RT			1	1		1	
18+42	LT	17						1
18+42	RT			1	1		1	
18+90	RT			1	1	1		
19+01	LT			1	1		1	
19+37	RT			1	1	1		
19+53	LT			1	1		1	
19+85	RT			1	1		1	
19+90	LT			1	1		1	
20+53	RT							1
20+80	LT	18						1
20+92	RT	16						1
21+33	RT			1	1	1		
21+97	RT			1	1	1		
22+10	LT							1
22+40	RT							1
22+83	LT			1	1		1	
22+99	RT			1	1		1	
23+34	RT			1	1	1		
23+37	LT			1	1		1	
23+91	LT		27					1
23+97	RT			1	1	1		
24+34	LT			1	1		1	
24+36	RT			1	1		1	
24+87	RT							1
24+88	LT			1	1		1	
25+28	RT			1	1		1	
25+34	LT			1	1	1		
25+73	LT			1	1		1	
25+87	RT			1	1		1	
25+96	LT			1	1		1	
26+26	RT			1	1		1	
26+50	LT			1	1		1	
26+94	RT			1	1		1	
26+96	LT			1	1		1	
27+39	RT			1	1		1	
27+56	LT			1	1		1	
27+90	RT							1
27+98	LT			1	1	1		
28+41	RT			1	1		1	
28+44	LT			1	1		1	
		87	27	53	53	8	45	12

ADJUSTMENT SCHEDULE								
STATION	SIDE	MANHOLES	INLETS TO	VALVE VAULTS	REMOVING	REMOVING	REMOVING	SANITARY
		TO BE	BE ADJUSTED	TO BE	MANHOLES	CATCH	INLETS	MANHOLES
		ADJUSTED	EACH	ADJUSTED	EACH	BASINS	EACH	TO BE
		EACH		EACH		EACH		ADJUSTED
								EACH
10+17	15' LT				1			
10+19	17' RT				1			
10+41	10' LT			1				
10+42	0' CL							1
14+25	0' CL				1			
14+34	4' RT	1						
14+34	12' LT		1					
14+34	12' RT		1					
16+27	4' RT	1						
16+38	12' LT		1					
16+44	12' RT		1					
17+12	11' LT			1				
17+17	4' RT	1						
17+19	14' LT	1						
17+19	14' RT	1						
17+44	2' LT							1
17+45	33' RT							1
17+58	22' RT		1					
17+62	16' LT		1					
17+69	11' LT							
21+66	12' LT						1	
21+66	0' CL				1			
21+66	12' RT						1	
24+90	12' LT					1		
24+90	0' CL							1
24+90	12' RT						1	
26+97	12' LT					1		
26+97	0' CL				1			
26+97	12' RT					1		
28+78	6' RT				1			
28+87	17' LT		1					
		5	7	2	7	3	3	3

INLET FILTER SCHEDULE		
STATION	SIDE	INLET FILTERS
		EACH
10+17	17' LT	1
10+21	17' RT	1
14+34	11' LT	1
14+34	11' RT	1
16+23	11' LT	1
16+23	11' RT	1
16+38	11' LT	1
16+45	11' RT	1
17+19	14' LT	1
17+19	14' RT	1
17+58	22' RT	1
17+62	16' LT	1
21+79	11' LT	1
21+79	11' RT	1
23+22	11' LT	1
23+22	11' RT	1
24+77	11' LT	1
24+77	11' RT	1
26+81	11' LT	1
26+81	11' RT	1
26+95	11' LT	1
28+63	11' LT	1
28+69	11' RT	1
28+71	11' LT	1
28+87	17' LT	1
29+15	14' LT	1
		26

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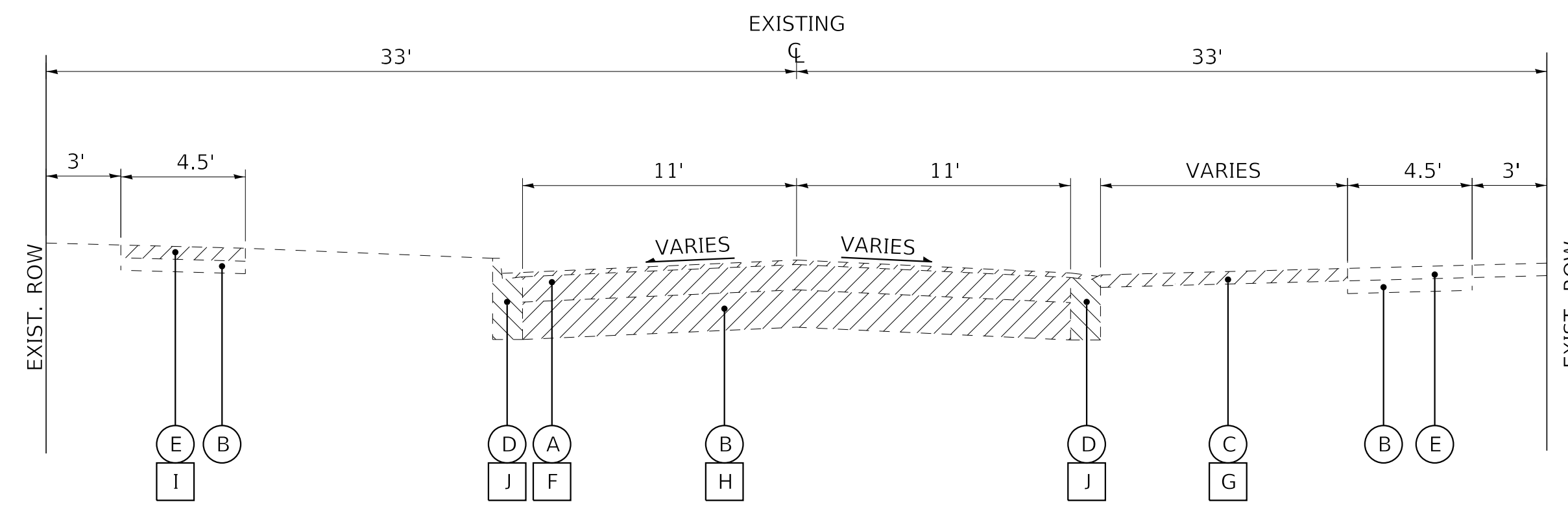
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**VILLAGE OF VILLA PARK, ILLINOIS
SOUTH MICHIGAN AVENUE**

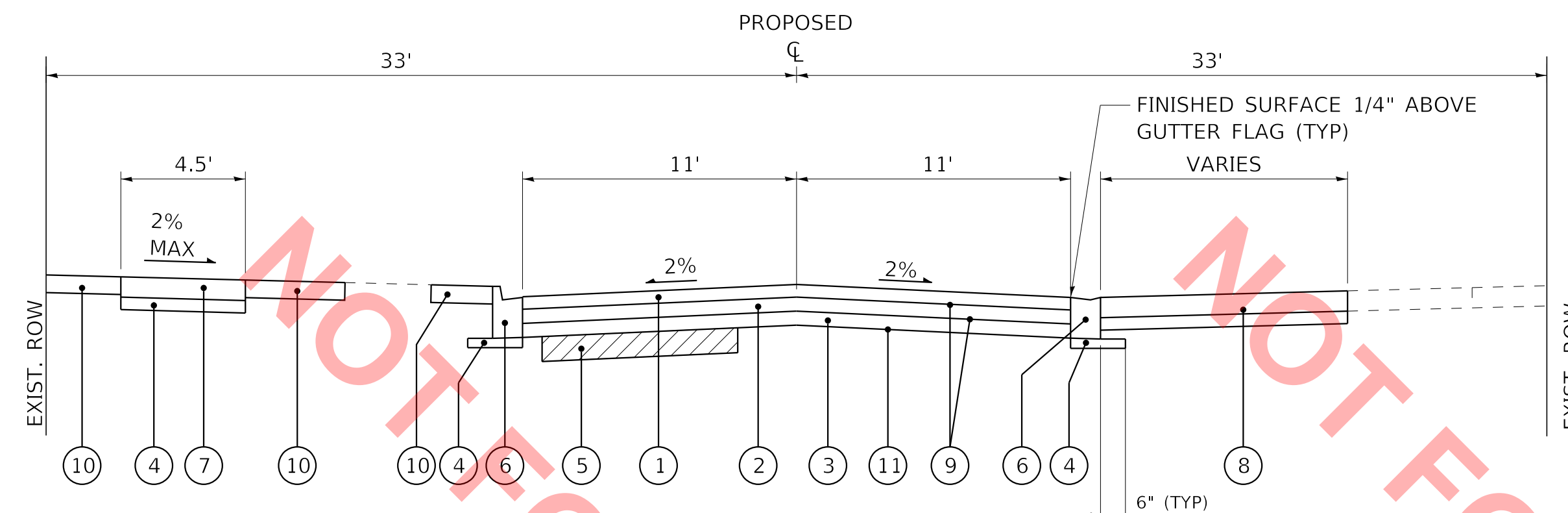
SCHEDULE OF QUANTITIES

SCALE: NONE SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS
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EXISTING TYPICAL SECTION
S. MICHIGAN AVENUE
STA 10+10 TO STA 28+90



PROPOSED TYPICAL SECTION
S. MICHIGAN AVENUE
STA 10+10 TO STA 28+90

EXISTING LEGEND

- (A) PAVEMENT (EXISTING PAVEMENT DATA FOR THICKNESS)
- (B) AGGREGATE BASE COURSE
- (C) DRIVEWAY
- (D) COMBINATION CONCRETE CURB AND GUTTER
- (E) SIDEWALK
- (F) PAVEMENT REMOVAL
- (G) DRIVEWAY PAVEMENT REMOVAL (AS DETERMINED BY THE ENGINEER)
- (H) EARTH EXCAVATION
- (I) SIDEWALK REMOVAL (AS DETERMINED BY THE ENGINEER)
- (J) CONCRETE CURB AND GUTTER REMOVAL
- ☐ REMOVAL ITEM

PROPOSED LEGEND

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

EXISTING PAVEMENT DATA

CORE NUMBER	HMA THICKNESS	PCC THICKNESS	TOTAL PVT THICKNESS
C/B-1	1.75	6.75	8.5
C/B-2	1.5	6.5	8.0
C/B-3	1.5	6.5	8.0
C/B-4	1.25	6.5	7.75
C/B-5	1.0	6.75	7.75
C/B-6	1.0	5.75	6.75
C/B-7	7.0	0	7.0

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	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5mm); 1 1/2"	4% @ 50 Gyr.
HOT-MIX ASPHALT BINDER COURSE IL-19.0, N50; 2 1/2"	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 UNSTABLE AND/OR UNSUITABLE MATERIAL IS NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.

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VILLAGE OF VILLA PARK, ILLINOIS
SOUTH MICHIGAN AVENUE

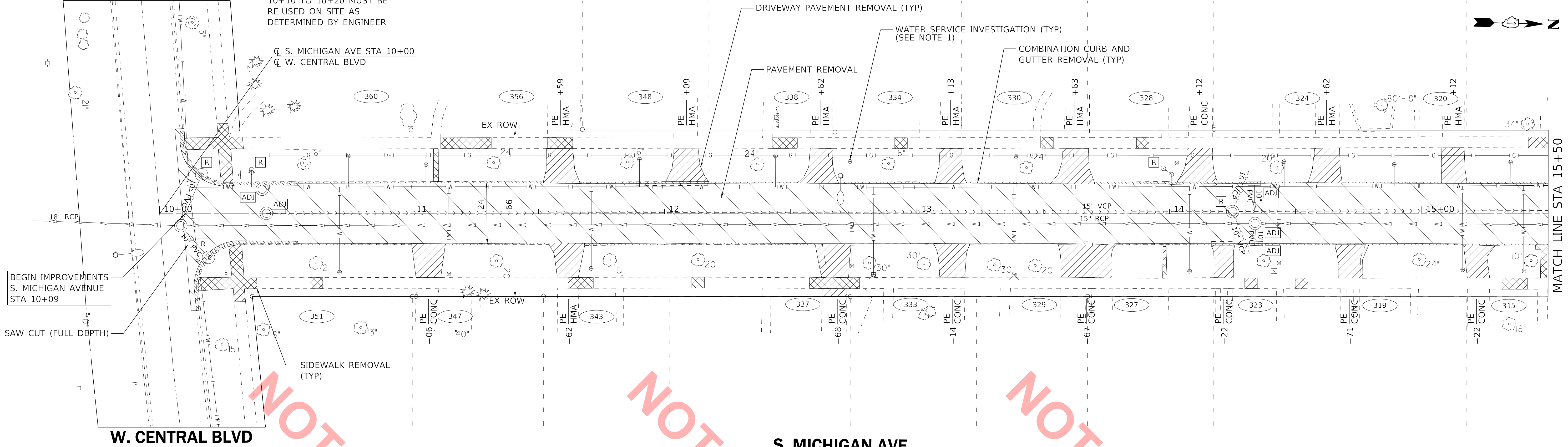
TYPICAL SECTIONS AND HMA MIXTURE REQUIREMENTS

SCALE: NONE SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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			CONTRACT NO.	N/A
ILLINOIS FED. AID PROJECT				

W. CENTRAL BLVD

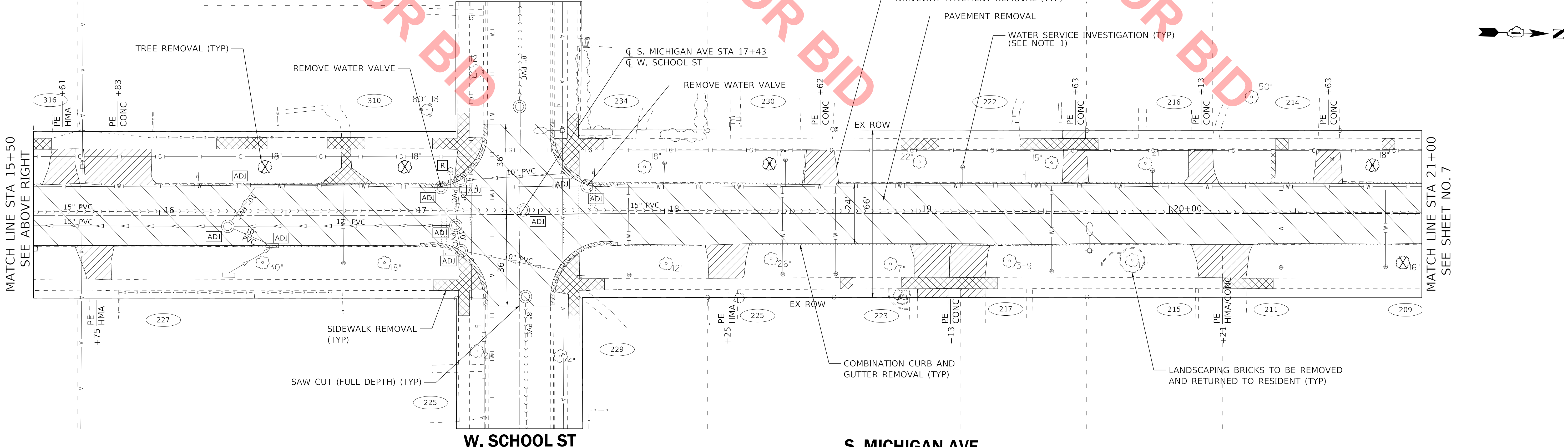
NOTE:
EXCAVATION FROM STATION
10+10 TO 10+20 MUST BE
RE-USED ON SITE AS
DETERMINED BY ENGINEER



W. CENTRAL BLVD

S. MICHIGAN AVE

W. SCHOOL ST



W. SCHOOL ST

S. MICHIGAN AVE

NOTE 1:
EXPLORATORY EXCAVATION TO DETERMINE
WATER SERVICE MATERIAL. LEAD SERVICES
TO BE REPLACED FROM BBOX TO WATER
MAIN (TYP).

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

REMOVAL PLAN

SCALE: 1" = 20' SHEET OF SHEETS STA. 10+00 TO STA. 21+00

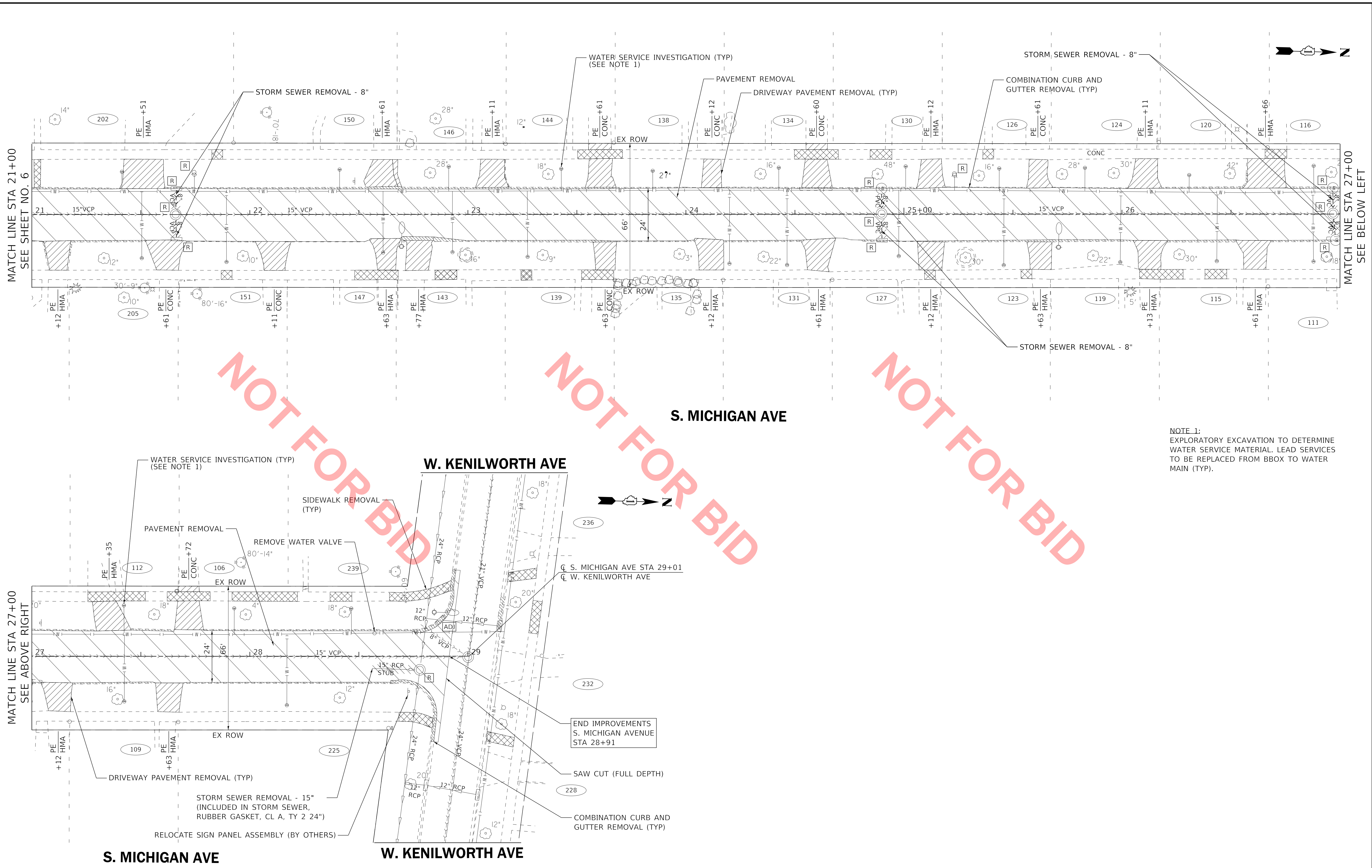
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CONTRACT NO.			N/A	
ILLINOIS FED. AID PROJECT				

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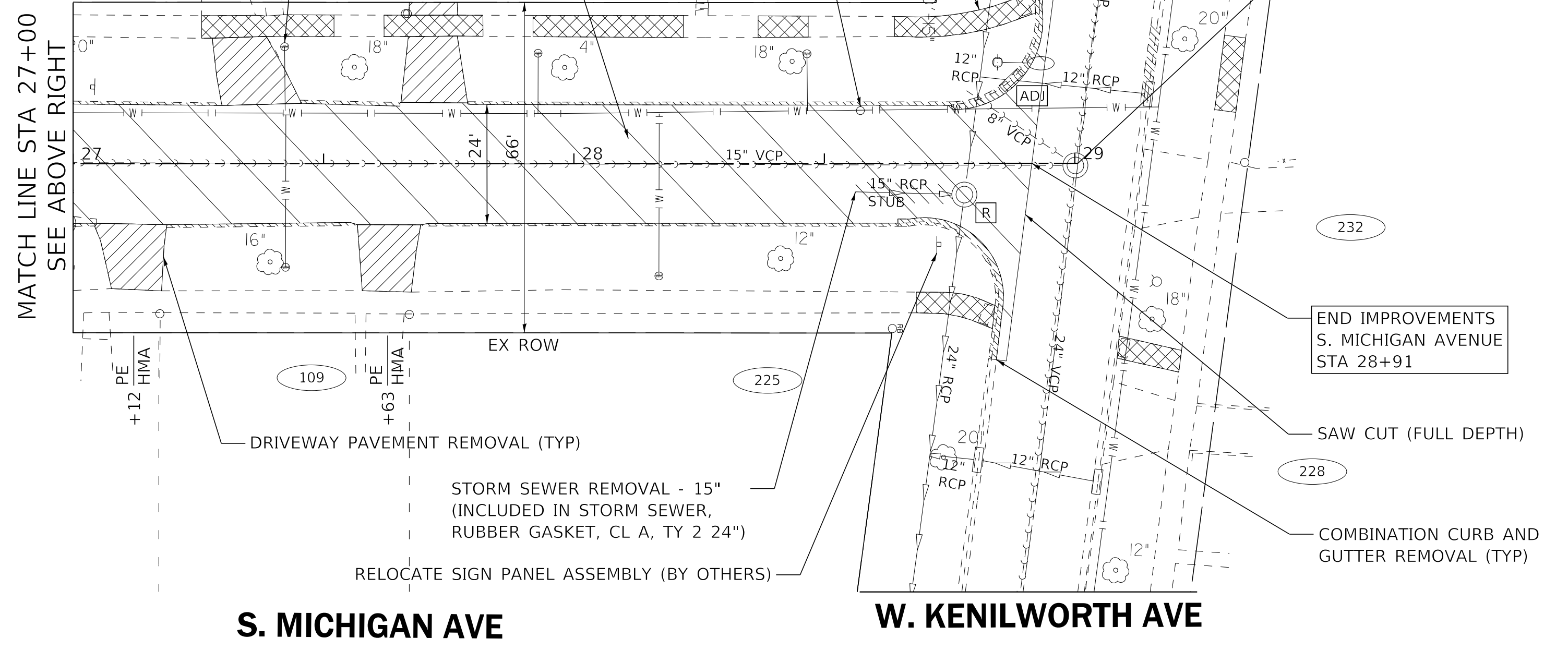


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NOT FOR BID



NOTE 1:
 EXPLORATORY EXCAVATION TO DETERMINE
 WATER SERVICE MATERIAL. LEAD SERVICES
 TO BE REPLACED FROM BBOX TO WATER
 MAIN (TYP).

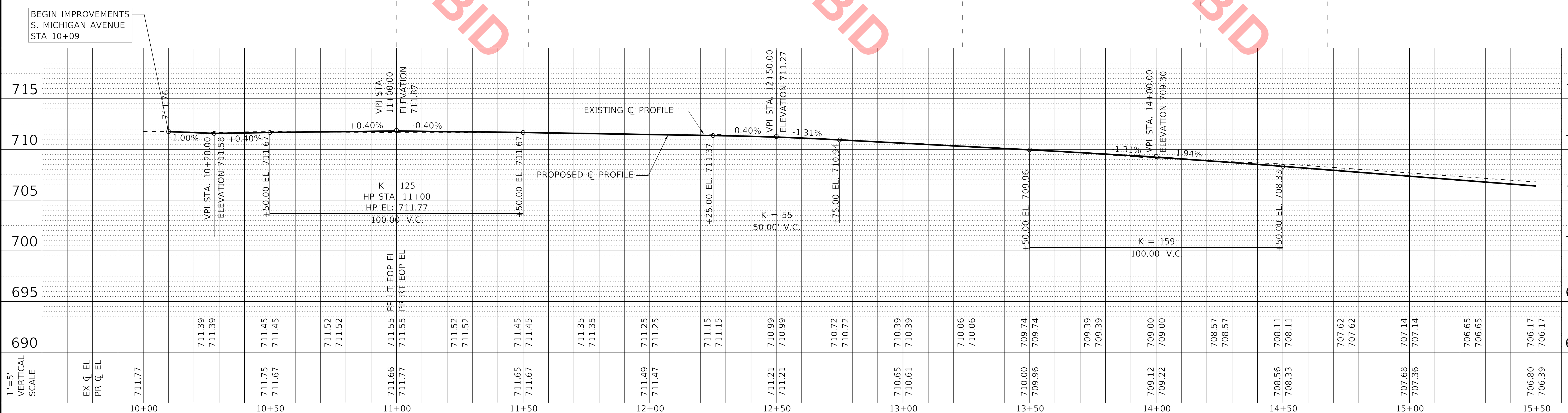
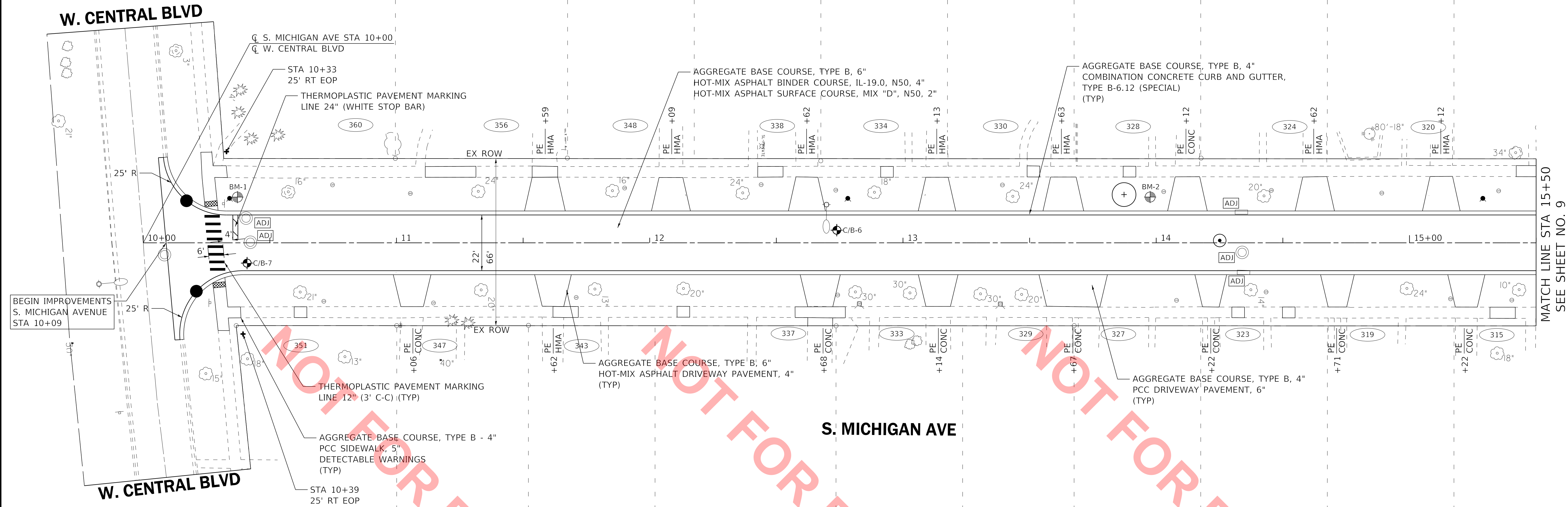
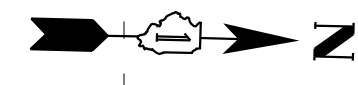
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VILLAGE OF VILLA PARK, ILLINOIS
SOUTH MICHIGAN AVENUE

REMOVAL PLAN	
SCALE: 1" = 20'	SHEET OF SHEETS STA. 21+00 TO STA. 29+01

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	N/A	DuPAGE	24	7
CONTRACT NO. N/A				
ILLINOIS FED. AID PROJECT				

NOTE:
EXCAVATION FROM STATION 10+10 TO 10+20
MUST BE RE-USED ON SITE AS DETERMINED BY ENGINEER



1"=5' VERTICAL SCALE	EX C EL PR C EL	711.77	711.39 711.39	711.45 711.45	711.52 711.52	711.55 PR LT EOP EL 711.55 PR RT EOP EL	711.52 711.52	711.45 711.45	711.35 711.35	711.25 711.25	711.15 711.15	710.99 710.99	710.72 710.72	710.39 710.39	710.06 710.06	709.74 709.74	709.39 709.39	709.00 709.00	708.57 708.57	708.11 708.11	707.62 707.62	707.14 707.14	706.65 706.65	706.17 706.17	715
		10+00		10+50		11+00		11+50		12+00		12+50		13+00		13+50		14+00		14+50		15+00		15+50	

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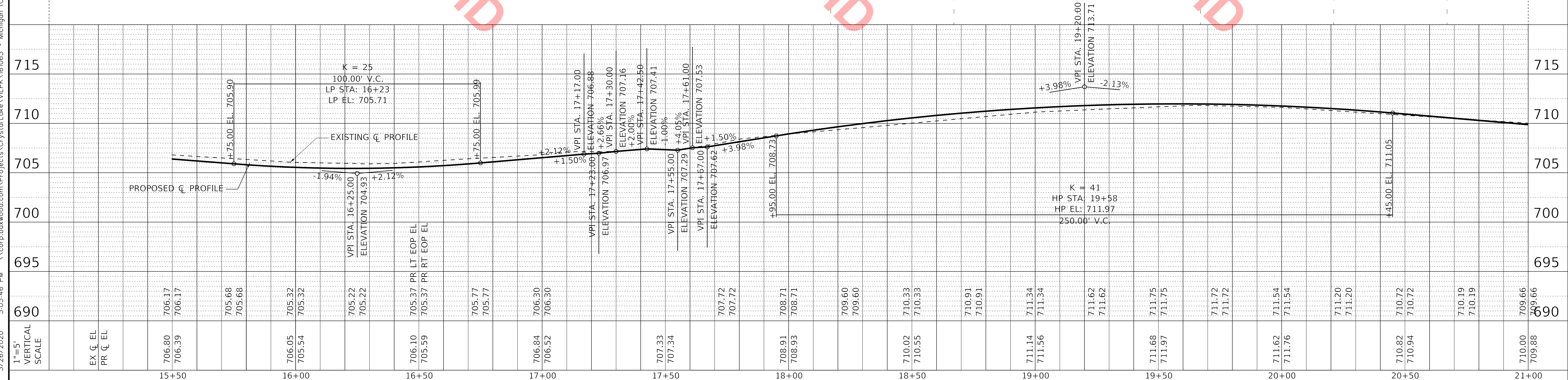
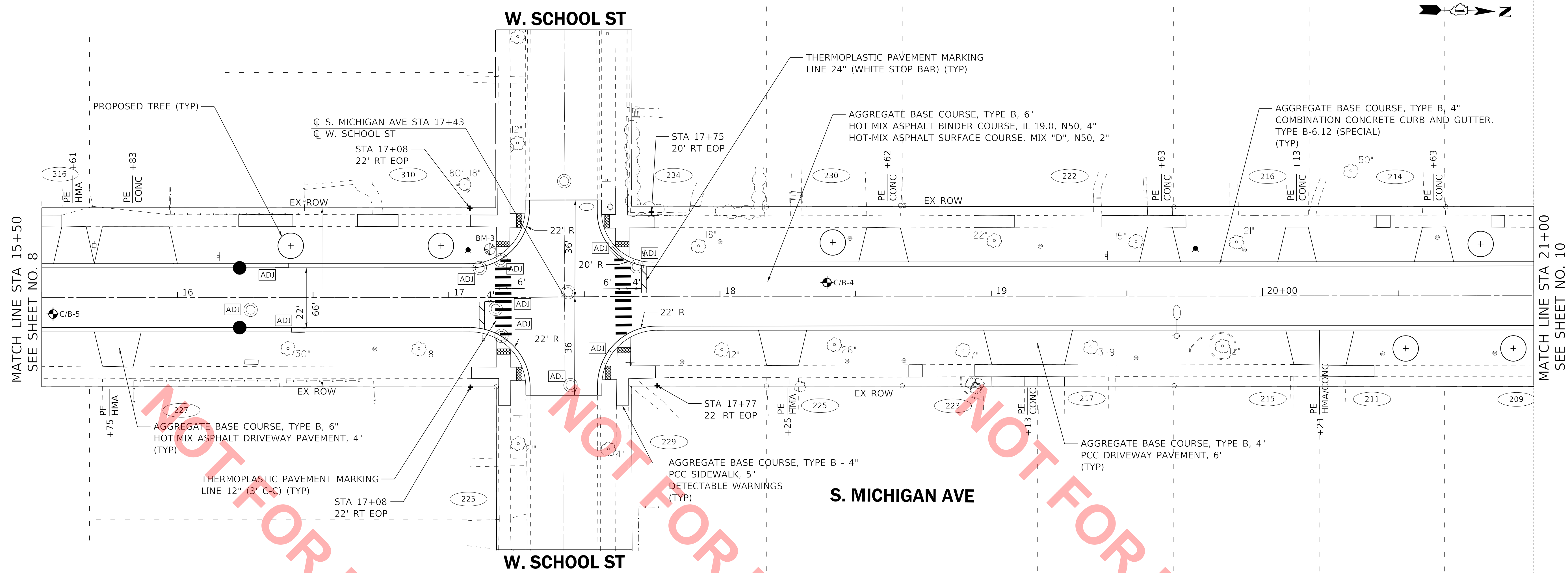
**VILLAGE OF VILLA PARK, ILLINOIS
SOUTH MICHIGAN AVENUE**

PLAN AND PROFILE

SCALE: 1" = 20' SHEET OF SHEETS STA. 10+00 TO STA. 15+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	N/A	DuPAGE	24	8
CONTRACT NO. N/A				
ILLINOIS FED. AID PROJECT				

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STATION	EXISTING ELEVATION	PROPOSED ELEVATION	GRADE (%)
15+50	706.80	706.17	
15+50	706.39	706.17	
15+50	705.68	705.68	
15+50	705.68	705.68	
16+00	706.05	705.32	-1.94%
16+00	705.54	705.32	-1.94%
16+00	705.22	705.22	
16+00	705.22	705.22	
16+50	706.10	705.37	
16+50	705.59	705.37	
16+50	705.77	705.77	
16+50	705.77	705.77	
17+00	706.84	706.30	
17+00	706.52	706.30	
17+00	707.33	707.33	
17+00	707.34	707.34	
17+50	708.91	708.71	
17+50	708.93	708.71	
17+50	709.60	709.60	
17+50	709.60	709.60	
18+00	710.02	710.33	
18+00	710.55	710.33	
18+00	710.91	710.91	
18+00	710.91	710.91	
18+00	711.14	711.34	
18+00	711.56	711.34	
19+00	711.62	711.62	
19+00	711.62	711.62	
19+00	711.68	711.75	
19+00	711.97	711.75	
19+00	711.72	711.72	
19+00	711.72	711.72	
20+00	711.62	711.54	
20+00	711.76	711.54	
20+00	711.20	711.20	
20+00	711.20	711.20	
20+00	710.82	710.72	
20+00	710.94	710.72	
20+00	710.19	710.19	
20+00	710.19	710.19	
21+00	710.00	709.66	
21+00	709.88	709.66	



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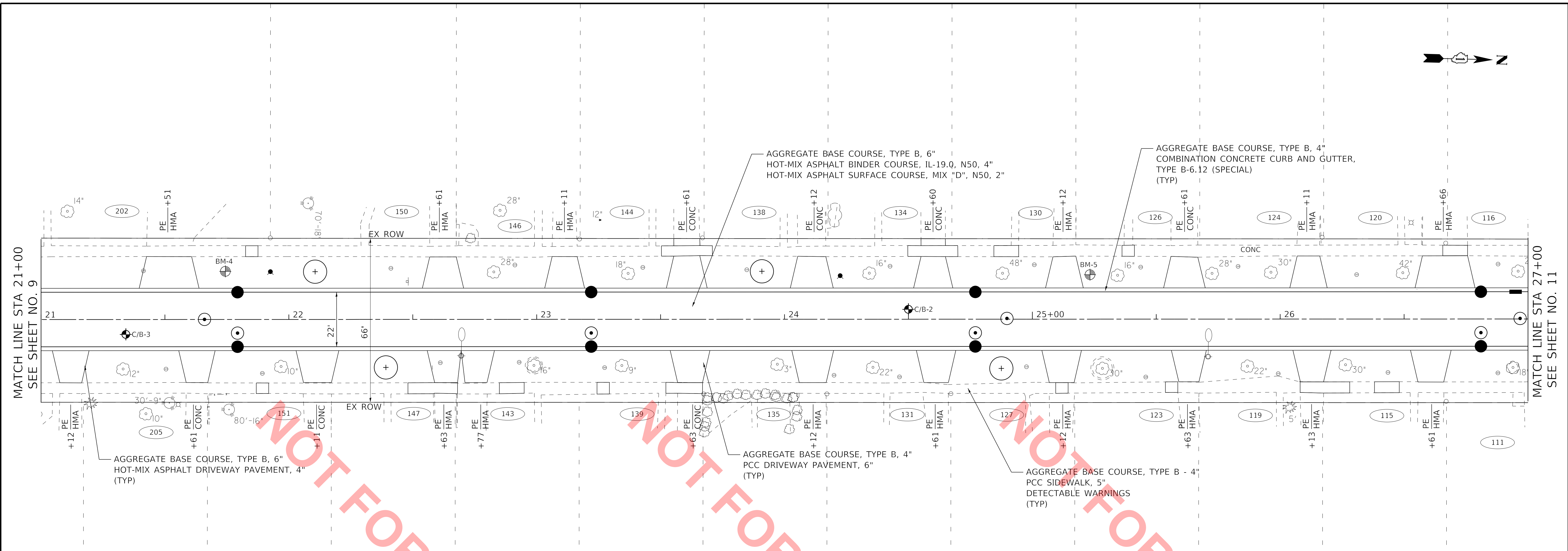
**VILLAGE OF VILLA PARK, ILLINOIS
SOUTH MICHIGAN AVENUE**

PLAN AND PROFILE

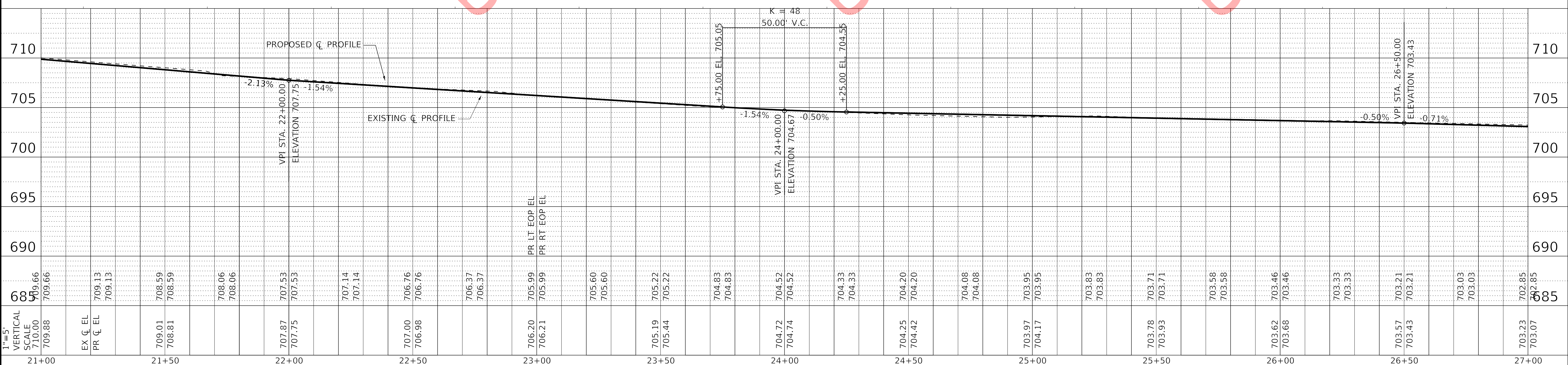
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CONTRACT NO. N/A				
ILLINOIS FED. AID PROJECT				

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S. MICHIGAN AVE



68	709.88	709.66	709.01	708.59	708.06	707.53	707.14	706.76	706.37	705.99	705.60	705.22	704.83	704.42	704.08	703.95	703.83	703.71	703.62	703.57	703.23	685
EX C EL	PR C EL									PR LT EOP EL												
21+00	21+50	22+00	22+50	23+00	23+50	24+00	24+50	25+00	25+50	26+00	26+50	27+00										



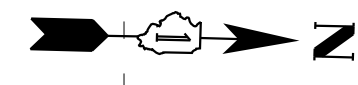
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**VILLAGE OF VILLA PARK, ILLINOIS
SOUTH MICHIGAN AVENUE**

PLAN AND PROFILE

SCALE: 1" = 20' SHEET OF SHEETS STA. 21+00 TO STA. 27+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	N/A	DuPage	24	10
CONTRACT NO. N/A				
ILLINOIS FED. AID PROJECT				



W. CENTRAL BLVD

S. MICHIGAN AVE

☐ S. MICHIGAN AVE STA 10+00
☐ W. CENTRAL BLVD

S1-2
(WITH CONNECTION TO
EXISTING STORM SEWER PIPE
INCLUDED)

WATER SERVICE INVESTIGATION (TYP)
(SEE NOTE 1)

SANITARY SEWER SERVICE
REPLACEMENT

S1-11 EX
S1-10 EX

S1-12

BEGIN IMPROVEMENTS
S. MICHIGAN AVENUE
STA 10+09

MATCH LINE STA 15+50
SEE SHEET NO. 13

S1-1 EX

W. CENTRAL BLVD

SANITARY SEWER SERVICE
REPLACEMENT

S1-3
(WITH CONNECTION TO
EXISTING STORM SEWER PIPE
INCLUDED)

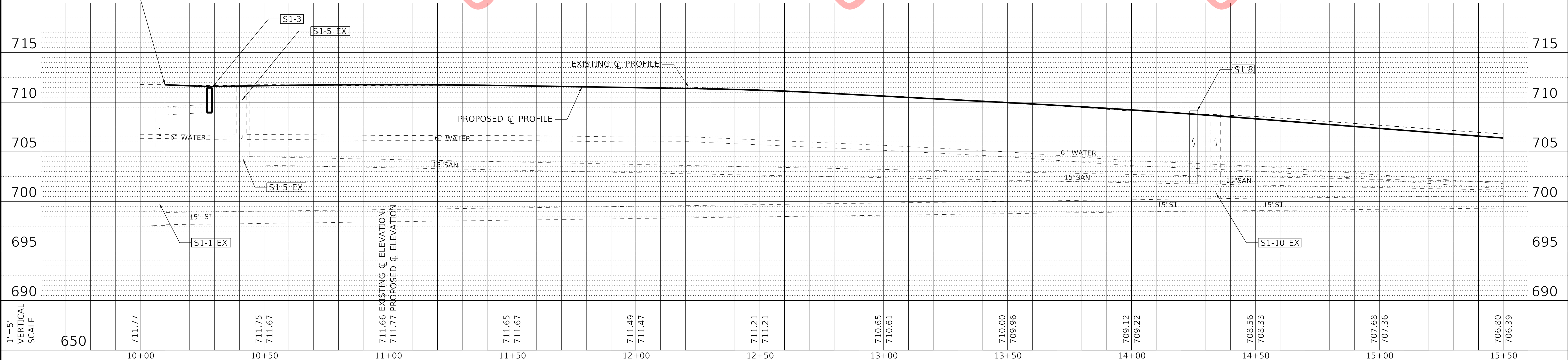
DOMESTIC WATER SERVICE BOXES TO BE MOVED
OUTSIDE OF DRIVEWAY PAVEMENT

S1-8

S1-9 EX

LABEL	STATION	OFFSET (FT)	TYPE	FRAME	ELEVATION	RIM/EOP	INVERTS
S1-1 EX	10+08	4.5	RT	EXISTING 4" STORM MANHOLE	TY 1 CL	711.74	RIM 697.55 18° S, 697.84 18° N, 706.57 10° NE, 706.59 10° NW
S1-2	10+17	16.6	LT	CATCH BASIN TYPE C	T-11V F&G	711.24	EOP 708.83 10° SE
S1-3	10+21	19.0	RT	CATCH BASIN TYPE C	T-11V F&G	711.28	EOP 708.60 10° SW
S1-4	10+34	17.6	LT	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX			
S1-5 EX	10+41	9.8	LT	EXISTING 4" WATER VALVE VAULT	TY 1 CL	711.43	RIM T/P 708.73 DI N/S
S1-6 EX	10+42	0.3	LT	EXISTING 4" SANITARY MANHOLE	TY 1 CL	711.63	RIM 703.88 12° N
S1-7	12+78	17.6	LT	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX			
S1-8 EX	14+25	0.9	LT	SANITARY MANHOLE, TYPE A, 4" DIA	TY 1 CL	708.79	RIM 701.765 12° N, 701.765 12° S, 705.495 10° NW, 705.525 10° NE
S1-9 EX	14+34	11.0	RT	EXISTING 2" STORM INLET	T-11 F&G	708.41	EOP 706.02 10° W
S1-10 EX	14+34	3.8	RT	EXISTING 4" STORM MANHOLE	TY 1 CL	708.55	RIM 699.03 18° S, 699.03 15° N, 705.57 10° E, 705.56 10° W
S1-11 EX	14+34	11.0	LT	EXISTING 2" STORM INLET	T-11 F&G	708.41	EOP 705.93 10° E
S1-12	15+27	17.6	LT	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX			

NOTE 1:
EXPLORATORY EXCAVATION TO DETERMINE
WATER SERVICE MATERIAL. LEAD SERVICES
TO BE REPLACED FROM BBOX TO WATER
MAIN (TYP).



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VILLAGE OF VILLA PARK, ILLINOIS
SOUTH MICHIGAN AVENUE

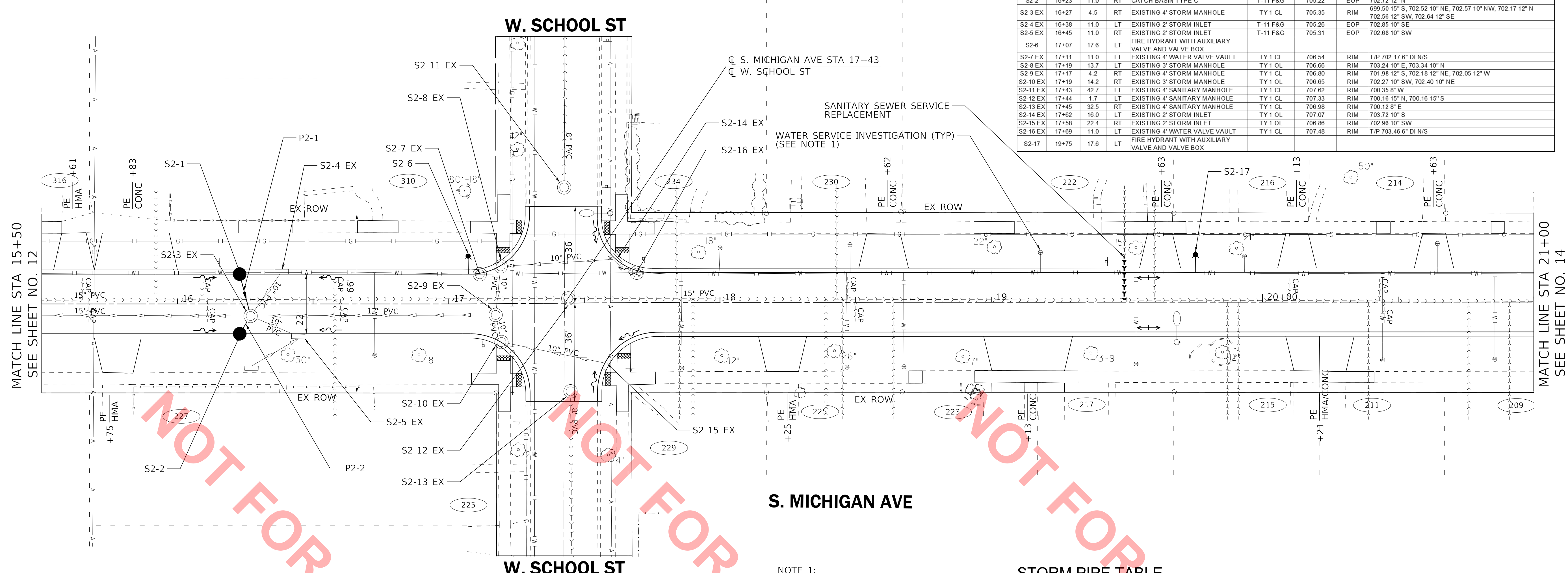
DRAINAGE AND UTILITIES

SCALE: 1" = 20' SHEET OF SHEETS STA. 10+00 TO STA. 15+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	N/A	DuPAGE	24	12
CONTRACT NO. N/A				
ILLINOIS FED. AID PROJECT				

STRUCTURE TABLE

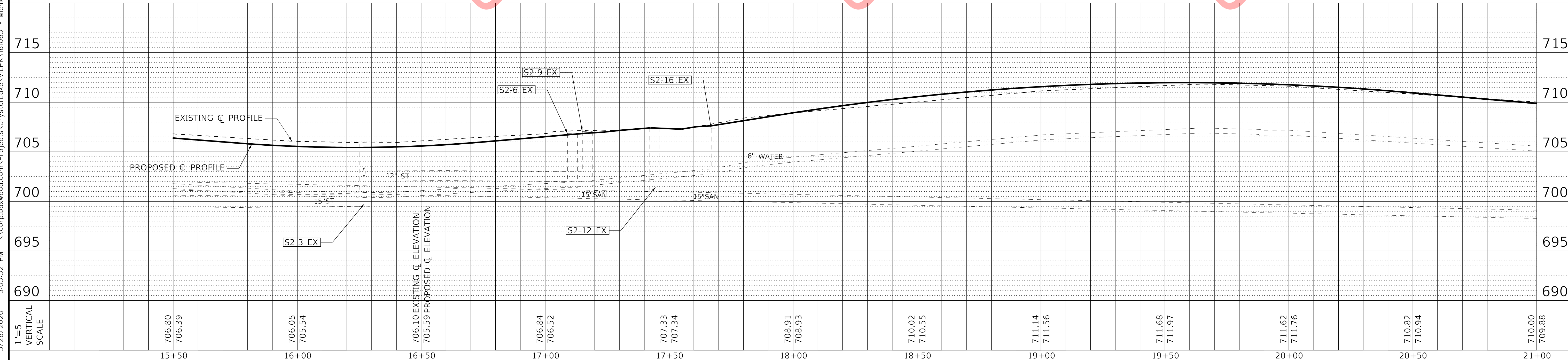
LABEL	STATION	OFFSET (FT)	TYPE	FRAME	ELEVATION	RIM/EOP	INVERTS
S2-1	16+23	11.0	LT	CATCH BASIN TYPE C	T-11 F&G	705.22	EOP 702.72 12" N
S2-2	16+23	11.0	RT	CATCH BASIN TYPE C	T-11 F&G	705.22	EOP 702.72 12" N
S2-3 EX	16+27	4.5	RT	EXISTING 4" STORM MANHOLE	TY 1 CL	705.35	RIM 699.50 15" S, 702.52 10" NE, 702.57 10" NW, 702.17 12" N
S2-4 EX	16+38	11.0	LT	EXISTING 2" STORM INLET	T-11 F&G	705.26	EOP 702.56 12" SW, 702.64 12" SE
S2-5 EX	16+45	11.0	RT	EXISTING 2" STORM INLET	T-11 F&G	705.31	EOP 702.85 10" SE
S2-6	17+07	17.6	LT	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX			
S2-7 EX	17+11	11.0	LT	EXISTING 4" WATER VALVE VAULT	TY 1 CL	706.54	RIM T/P 702.17 6" DI N/S
S2-8 EX	17+19	13.7	LT	EXISTING 3" STORM MANHOLE	TY 1 OL	706.66	RIM 703.24 10" E, 703.34 10" N
S2-9 EX	17+17	4.2	RT	EXISTING 4" STORM MANHOLE	TY 1 CL	706.80	RIM 701.98 12" S, 702.18 12" NE, 702.05 12" W
S2-10 EX	17+19	14.2	RT	EXISTING 3" STORM MANHOLE	TY 1 OL	706.65	RIM 702.21 10" SW, 702.40 10" NE
S2-11 EX	17+43	42.7	LT	EXISTING 4" SANITARY MANHOLE	TY 1 CL	707.62	RIM 700.35 8" W
S2-12 EX	17+44	1.7	LT	EXISTING 4" SANITARY MANHOLE	TY 1 CL	707.33	RIM 700.16 15" N, 700.16 15" S
S2-13 EX	17+45	32.5	RT	EXISTING 4" SANITARY MANHOLE	TY 1 CL	706.98	RIM 700.12 8" E
S2-14 EX	17+62	16.0	LT	EXISTING 2" STORM INLET	TY 1 OL	707.07	RIM 703.72 10" S
S2-15 EX	17+58	22.4	RT	EXISTING 2" STORM INLET	TY 1 OL	706.86	RIM 702.96 10" SW
S2-16 EX	17+69	11.0	LT	EXISTING 4" WATER VALVE VAULT	TY 1 CL	707.48	RIM T/P 703.46 6" DI N/S
S2-17	19+75	17.6	LT	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX			



NOTE 1:
EXPLORATORY EXCAVATION TO DETERMINE WATER SERVICE MATERIAL. LEAD SERVICES TO BE REPLACED FROM BBOX TO WATER MAIN (TYP).

STORM PIPE TABLE

NO.	TYPE	TY	DIA (IN)	LENGTH (FT)	SLOPE	TBF (CU YD)
P2-1	STORM SEWER (WATER MAIN REQUIREMENTS)		12	14	1.00%	2.9
P2-2	STORM SEWER, RUBBER GASKET, CLASS A	1	12	5	1.00%	1.0



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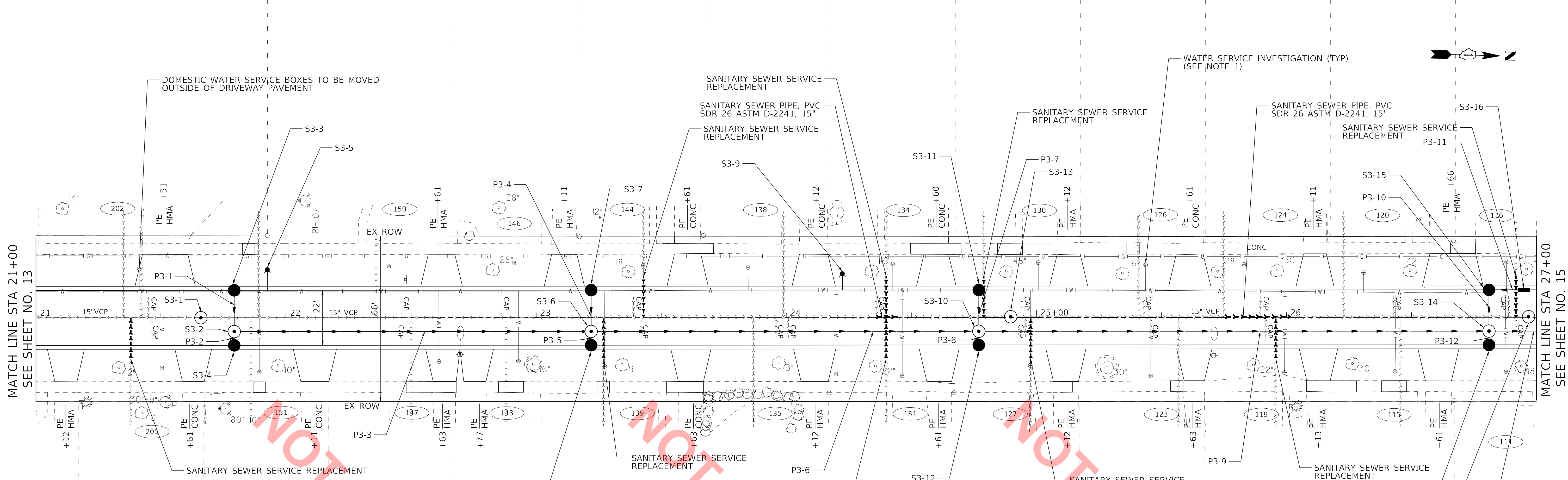
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**VILLAGE OF VILLA PARK, ILLINOIS
SOUTH MICHIGAN AVENUE**

DRAINAGE AND UTILITIES

SCALE: 1" = 20' SHEET OF SHEETS STA. 15+50 TO STA. 21+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO.			N/A	
ILLINOIS		FED. AID PROJECT		



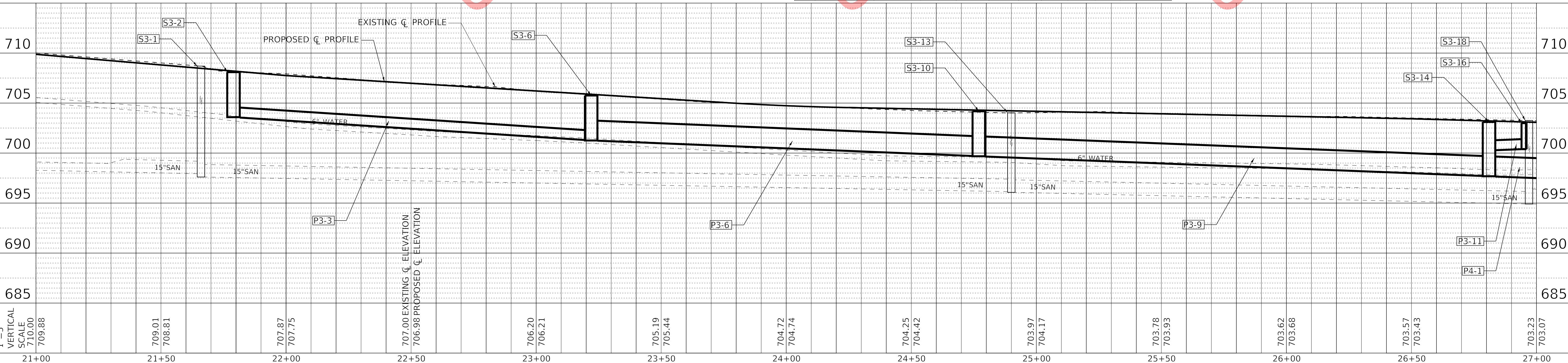
STORM PIPE TABLE

NO.	TYPE	TY	DIA (IN)	LENGTH (FT)	SLOPE	TBF (CU YD)
P3-1	STORM SEWER (WATER MAIN REQUIREMENTS)	1	12	17	1.00%	3.5
P3-2	STORM SEWER, RUBBER GASKET, CLASS A	1	12	6	1.00%	1.2
P3-3	STORM SEWER, RUBBER GASKET, CLASS A	2	12	143	1.62%	42.8
P3-4	STORM SEWER (WATER MAIN REQUIREMENTS)	1	12	17	1.00%	3.5
P3-5	STORM SEWER, RUBBER GASKET, CLASS A	1	12	6	1.00%	1.2
P3-6	STORM SEWER, RUBBER GASKET, CLASS A	1	24	155	1.02%	81.7
P3-7	STORM SEWER (WATER MAIN REQUIREMENTS)	1	12	17	1.00%	3.5
P3-8	STORM SEWER, RUBBER GASKET, CLASS A	1	12	6	1.00%	1.2
P3-9	STORM SEWER, RUBBER GASKET, CLASS A	2	24	204	0.98%	107.5
P3-10	STORM SEWER (WATER MAIN REQUIREMENTS)	1	12	17	1.00%	3.5
P3-11	STORM SEWER (WATER MAIN REQUIREMENTS)	1	12	14	1.00%	2.9
P3-12	STORM SEWER, RUBBER GASKET, CLASS A	1	12	6	1.00%	1.2
P4-1	STORM SEWER, RUBBER GASKET, CLASS A	2	24	182	1.00%	146.5

NOTE 1:
EXPLORATORY EXCAVATION TO DETERMINE WATER SERVICE MATERIAL. LEAD SERVICES TO BE REPLACED FROM BBOX TO WATER MAIN (TYP).

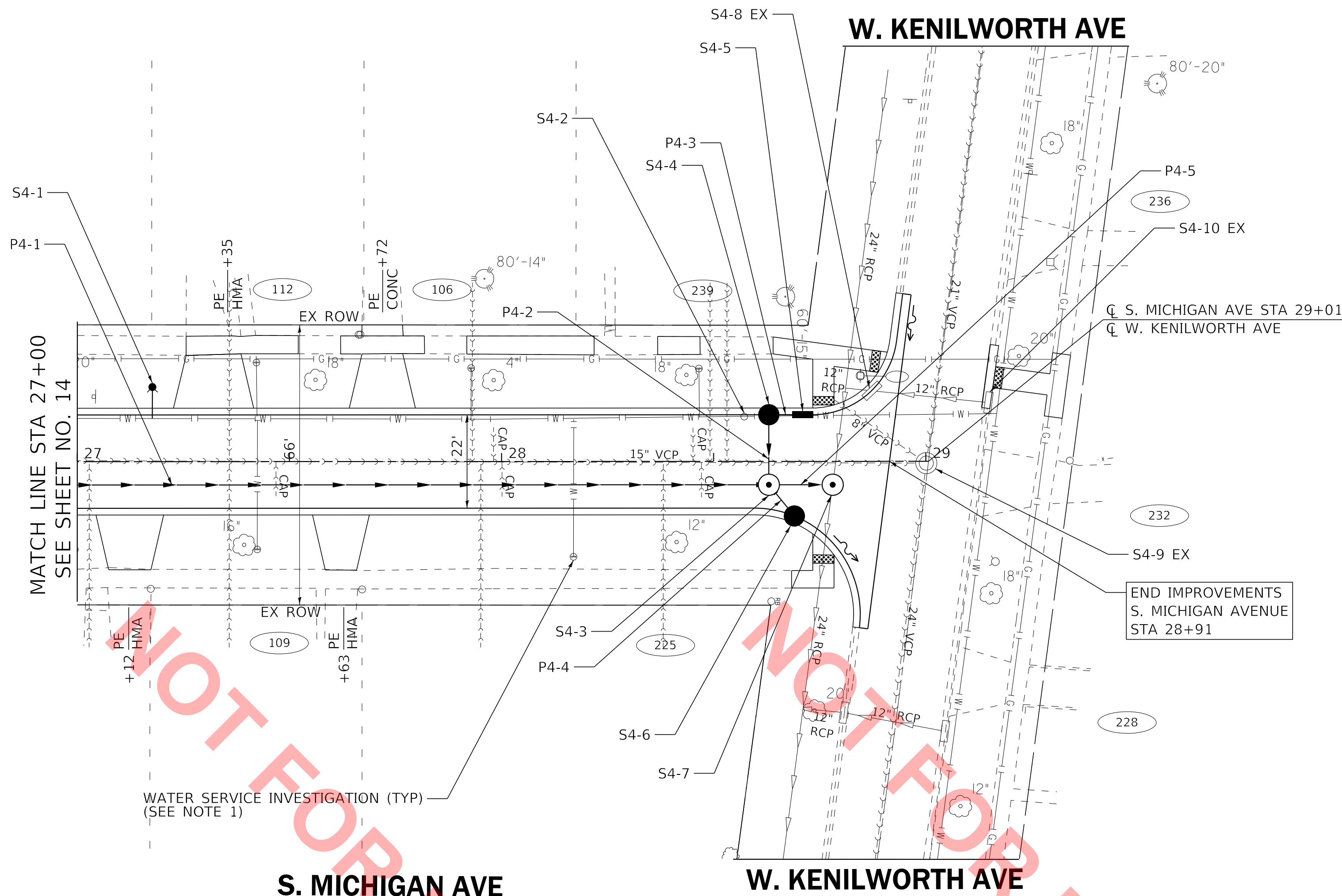
STRUCTURE TABLE

LABEL	STATION	OFFSET (FT)	TYPE	FRAME	ELEVATION	RIME/OP	INVERTS
S3-1	21+67	0.0	CL SANITARY MANHOLE TYPE A, 4'-DIA	TY 1 CL	706.47	RIM	697.60 15' N, 697.93 15' S, 704.88 8' W, 705.15 8' E
S3-2	21+79	5.5	RT MANHOLES TYPE A, 5'-DIA	TY 1 CL	708.09	RIM	703.59 12' N, 705.31 12' W, 705.42 12' E
S3-3	21+79	11.0	LT CATCH BASIN TYPE C	T-11V F&G	707.98	EOP	705.48 12' E
S3-4	21+79	11.0	RT CATCH BASIN TYPE C	T-11V F&G	707.98	EOP	705.48 12' W
S3-5	21+92	19.3	LT FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX	T-11V F&G	707.98	EOP	705.48 12' W
S3-6	23+22	5.5	RT MANHOLES TYPE A, 5'-DIA	TY 1 CL	705.76	RIM	701.26 24' N, 701.26 12' S, 702.98 12' W, 703.08 12' E
S3-7	23+22	11.0	LT CATCH BASIN TYPE C	T-11V F&G	705.65	EOP	703.15 12' E
S3-8	23+22	11.0	RT CATCH BASIN TYPE C	T-11V F&G	705.65	EOP	703.15 12' W
S3-9	24+92	17.6	LT FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX	T-11V F&G	705.65	EOP	703.15 12' W
S3-10	24+77	5.5	RT MANHOLES TYPE A, 5'-DIA	TY 1 CL	704.18	RIM	699.68 24' N, 699.68 24' S, 701.40 12' W, 701.51 12' E
S3-11	24+77	11.0	LT CATCH BASIN TYPE C	T-11V F&G	704.07	EOP	701.57 12' E
S3-12	24+77	11.0	RT CATCH BASIN TYPE C	T-11V F&G	704.07	EOP	701.57 12' W
S3-13	24+99	9.0	CL SANITARY MANHOLE TYPE A, 4'-DIA	TY 1 CL	704.22	RIM	696.67 15' N, 696.14 15' S, 701.21 8' W, 700.67 8' E
S3-14	26+81	5.5	RT MANHOLES TYPE A, 5'-DIA	TY 1 CL	703.10	RIM	697.68 24' N, 697.68 24' S, 700.08 12' W, 700.43 12' E
S3-15	26+81	11.0	LT CATCH BASIN TYPE A, 4'-DIA	T-11V F&G	702.99	EOP	700.25 12' E, 700.25 12' N
S3-16	26+81	11.0	RT CATCH BASIN TYPE A, 4'-DIA	T-11V F&G	702.99	EOP	700.25 12' S
S3-17	26+81	11.0	LT CATCH BASIN TYPE C	T-11V F&G	702.99	EOP	700.49 12' W
S3-18	26+97	0.0	CL SANITARY MANHOLE TYPE A, 4'-DIA	TY 1 CL	703.10	RIM	694.90 15' N, 694.91 15' S, 700.08 8' E, 700.32 8' W



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PLOT DATE = 3/26/2020	DATE = 3-30-20	FILE = 161063SHT_SS4-Drain3.dgn		SCALE: 1" = 20'	SHEET OF SHEETS	STA. 21+00 TO STA. 27+00	CONTRACT NO. N/A		ILLINOIS FED. AID PROJECT	



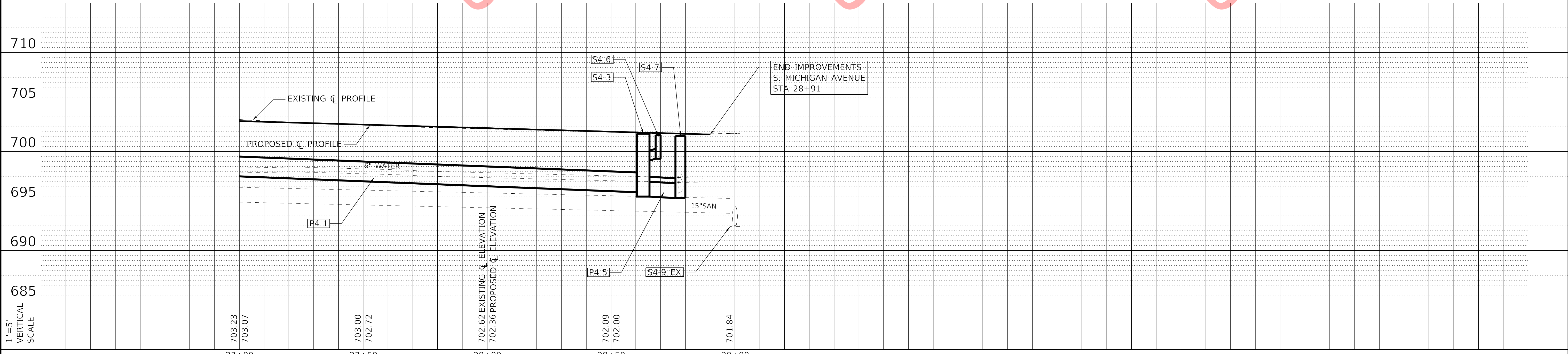
NOTE 1:
EXPLORATORY EXCAVATION TO DETERMINE
WATER SERVICE MATERIAL. LEAD SERVICES
TO BE REPLACED FROM BBOX TO WATER
MAIN (TYP).

STORM PIPE TABLE

NO.	TYPE	TY	DIA (IN)	LENGTH (FT)	SLOPE	TBF (CU YD)
P4-1	STORM SEWER, RUBBER GASKET, CLASS A	2	24	182	1.00%	146.5
P4-2	STORM SEWER (WATER MAIN REQUIREMENTS)	12	12	17	1.00%	3.5
P4-3	STORM SEWER (WATER MAIN REQUIREMENTS)	12	8	8	1.00%	1.6
P4-4	STORM SEWER, RUBBER GASKET, CLASS A	1	12	10	1.00%	2.1
P4-5	STORM SEWER, RUBBER GASKET, CLASS A WITH 15" RESTRICTOR	2	24	15	1.00%	14.8

STORM STRUCTURE TABLE

LABEL	STATION	OFFSET (FT)	TYPE	FRAME	ELEVATION RIM/EOP	INVERTS
S4-1	27+18	17.6	LT FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX			
S4-2	28+57	10.5	LT 6" WATER VALVE IN 4" WATER VALVE VAULT	TY 1 CL	701.75 RIM	
S4-3	28+63	5.5	RT MANHOLES TYPE A, 6" DIA		701.80 RIM	695.45 24" N, 695.86 24" S, 699.01 12" NE, 698.89 12" W
S4-4	28+63	11.0	LT CATCH BASIN TYPE A, 4' DIA	T-11V F&G	701.69 EOP	699.06 12" E, 699.06 12" N
S4-5	28+71	11.0	LT INLET TYPE A	T-11V F&G	701.64 EOP	699.14 12" N
S4-6	28+69	12.8	RT CATCH BASIN TYPE C	T-11V F&G	701.61 EOP	699.11 12" SW
S4-7	28+78	5.5	RT MANHOLES TYPE A, 6" DIA	TY 1 CL	701.60 RIM	EX 695.30 24" E, EX 695.82 24" W, 695.30 24" S
S4-8 EX	28+87	16.6	LT EXISTING 2" STORM INLET	T-11 F&G	701.88 EOP	697.708 12" S, 697.768 12" N
S4-9 EX	29+00	0.0	CL EXISTING 4" SANITARY MANHOLE	TY 1 CL	701.83 RIM	692.43 21" E, 692.49 24" W, 693.76 18" S, 698.07 8" SW
S4-10 EX	29+15	13.8	LT EXISTING 2" STORM INLET	T-11 F&G	701.48 EOP	698.79 12" S



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

DRAINAGE AND UTILITIES

SCALE: 1" = 20' SHEET OF SHEETS STA. 27+00 TO STA. 29+01

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	N/A	DuPAGE	24	15
CONTRACT NO. N/A				
ILLINOIS FED. AID PROJECT				

SOIL EROSION AND SEDIMENT CONTROL NOTES

1. SEDIMENTATION AND EROSION CONTROL STANDARDS

THE FOLLOWING STANDARDS MUST BE SATISFIED:

- A. 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.
- B. SOIL EROSION AND SEDIMENT CONTROL FEATURES SHALL BE CONSTRUCTED AND FUNCTIONAL PRIOR TO THE START OF DISTURBANCE.
- C. 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:

- A. 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.
- B. DISCHARGES FROM DEWATERING OPERATIONS SHALL ENTER OR BE ROUTED TO A SEDIMENT AND EROSION CONTROL SYSTEM OR DEVICE.
- C. 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.
- D. CONTRACTOR SHALL PROVIDE A CONCRETE WASHOUT BASIN. LOCATION SHALL BE DETERMINED BY ENGINEER.

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:

- A. 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.
- B. MAKE ADJUSTMENTS TO THE SEDIMENTATION AND EROSION CONTROL PLAN AND METHODS, AS NEEDED, TO ACCOMPLISH THE INTENDED PURPOSE.
- C. ALL ADJACENT ROADWAYS MUST BE KEPT CLEAR OF DEBRIS, INSPECTED DAILY, AND CLEANED WHEN NECESSARY OR AS DETERMINED BY THE ENGINEER.

4. INSPECTIONS

- A. 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:
 - I. UPON COMPLETION OF INSTALLATION OF SEDIMENT AND RUNOFF CONTROL MEASURES, PRIOR TO PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING;
 - II. AFTER CURB AND GUTTER, SIDEWALK, STREET LIGHTING AND STORM SEWER INSTALLATION;
 - III. AFTER FINAL GRADING; AND
 - IV. WEEKLY AND AFTER EACH RAINFALL EVENT OF 0.5 INCH OR MORE OVER A TWENTY-FOUR-HOUR PERIOD.
- B. 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

- A. 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.
- B. 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.
- C. 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 VILLAGE. THIS WORK, INCLUDING MAINTENANCE, SHALL BE INCLUDED IN THE PERMANENT STABILIZATION PAY ITEMS UNLESS OTHERWISE NOTED.

VILLAGE OF VILLA PARK EROSION CONTROL NOTES

- 1. 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.
- 2. IF THERE IS NO GENERAL CONTRACTOR, IT SHALL BE THE RESPONSIBILITY OF THE EXCAVATION/GRADING CONTRACTOR TO INSTALL ALL SOIL EROSION CONTROL DEVICES.
- 3. 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 0.5 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.
- 4. 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.
- 5. SEE STANDARD VILLAGE OF VILLA PARK DETAILS FOR SILT FENCE AND FILTER FABRIC PROTECTOR REQUIREMENTS.
- 6. ALL STATE AND LOCAL EROSION CONTROL MAESURES SHALL BE IMPLEMENTED AND MAINTAINED THROUGHOUT CONSTRUCTION.
- 7. ALL SILT FENCE SHALL BE INSTALLED AND APPROVED BY THE VILLAGE OF VILLA PARK PRIOR TO CONSTRUCTION.

NOT FOR BID

NOT FOR BID

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PLOT DATE = 3/26/2020	DATE - 3-30-20	FILE - 161063SHT_SS4-Erosion_notes.dgn

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

EROSION AND SEDIMENT CONTROL NOTES

SCALE: NONE SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	N/A	DuPAGE	24	16
CONTRACT NO.			N/A	
ILLINOIS FED. AID PROJECT				

W. CENTRAL BLVD

NOT FOR BID

NOT FOR BID

BEGIN IMPROVEMENTS
S. MICHIGAN AVENUE
STA 10+09

W. SCHOOL ST




S. MICHIGAN AVE

W. SCHOOL ST

S. MICHIGAN AVE

LOCATION FOR READY-MIX WASHOUT BASIN
(FINAL LOCATION AS DETERMINED BY ENGINEER)

LEGEND

-  INLET FILTER
-  PERIMETER EROSION BARRIER
-  STABILIZED CONSTRUCTION ENTRANCE
PAID FOR AS TEMPORARY ACCESS ROAD

MATCH LINE STA 15+50
SEE ABOVE RIGHT

MATCH LINE STA 21+00
SEE SHEET NO. 18

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BAXTER & WOODMAN
Consulting Engineers

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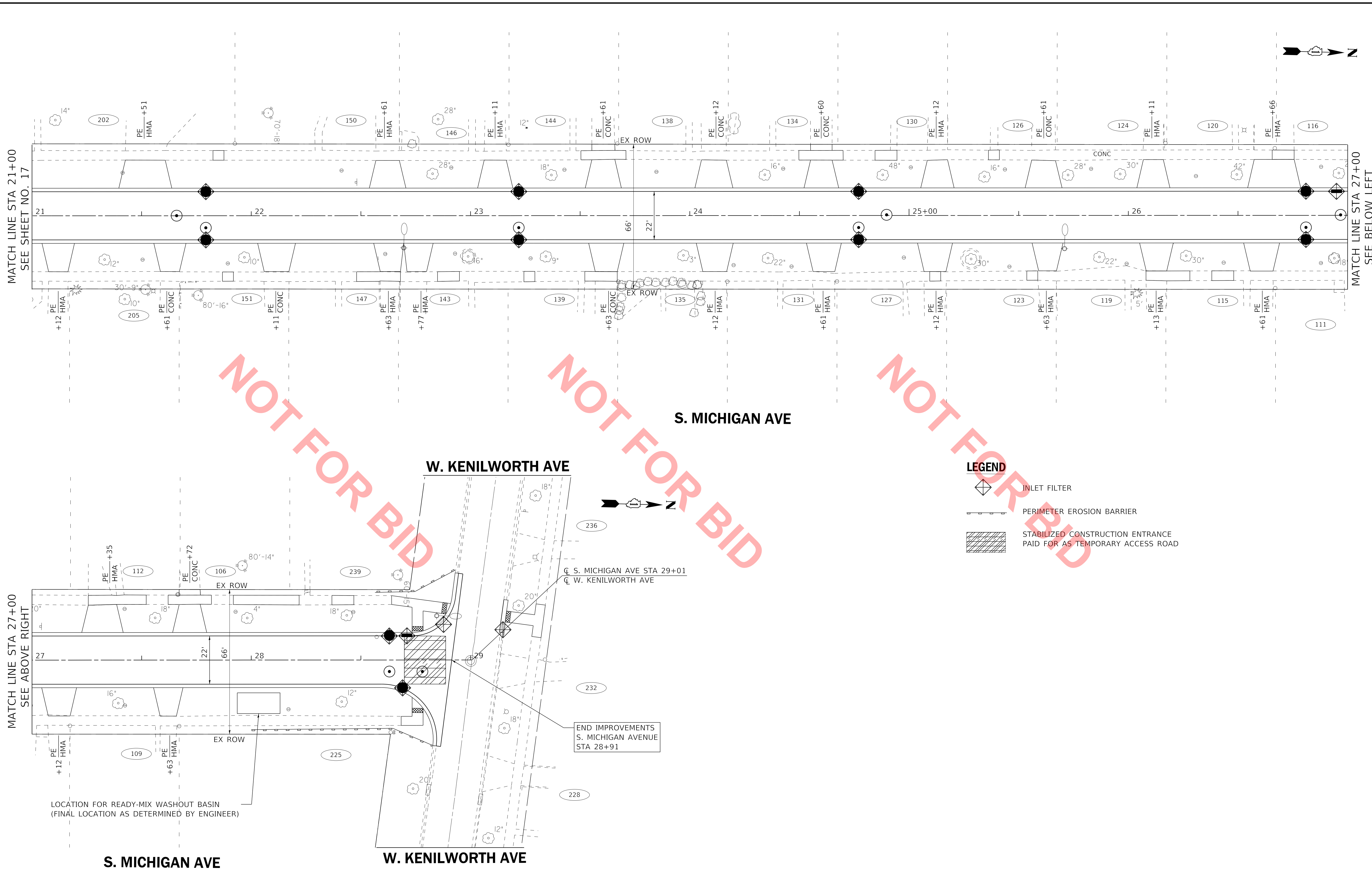
VILLAGE OF VILLA PARK, ILLINOIS
SOUTH MICHIGAN AVENUE

EROSION CONTROL PLAN

SCALE: 1" = 20' SHEET OF SHEETS STA. 10+00 TO STA. 21+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. N/A				
ILLINOIS FED. AID PROJECT				


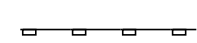
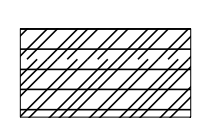
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MATCH LINE STA 27+00
 SEE ABOVE RIGHT

MATCH LINE STA 21+00
 SEE SHEET NO. 17

MATCH LINE STA 27+00
 SEE BELOW LEFT

- LEGEND**
-  INLET FILTER
 -  PERIMETER EROSION BARRIER
 -  STABILIZED CONSTRUCTION ENTRANCE PAID FOR AS TEMPORARY ACCESS ROAD

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

EROSION CONTROL PLAN



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PLOT DATE = 3/26/2020	CHECKED - TMS	REVISED -
	DATE - 3-30-20	FILE - 161063SHT_SS4-Eros2.dgn

SCALE: 1" = 20' SHEET OF SHEETS STA. 10+00 TO STA. 21+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO.			N/A	
ILLINOIS FED. AID PROJECT				

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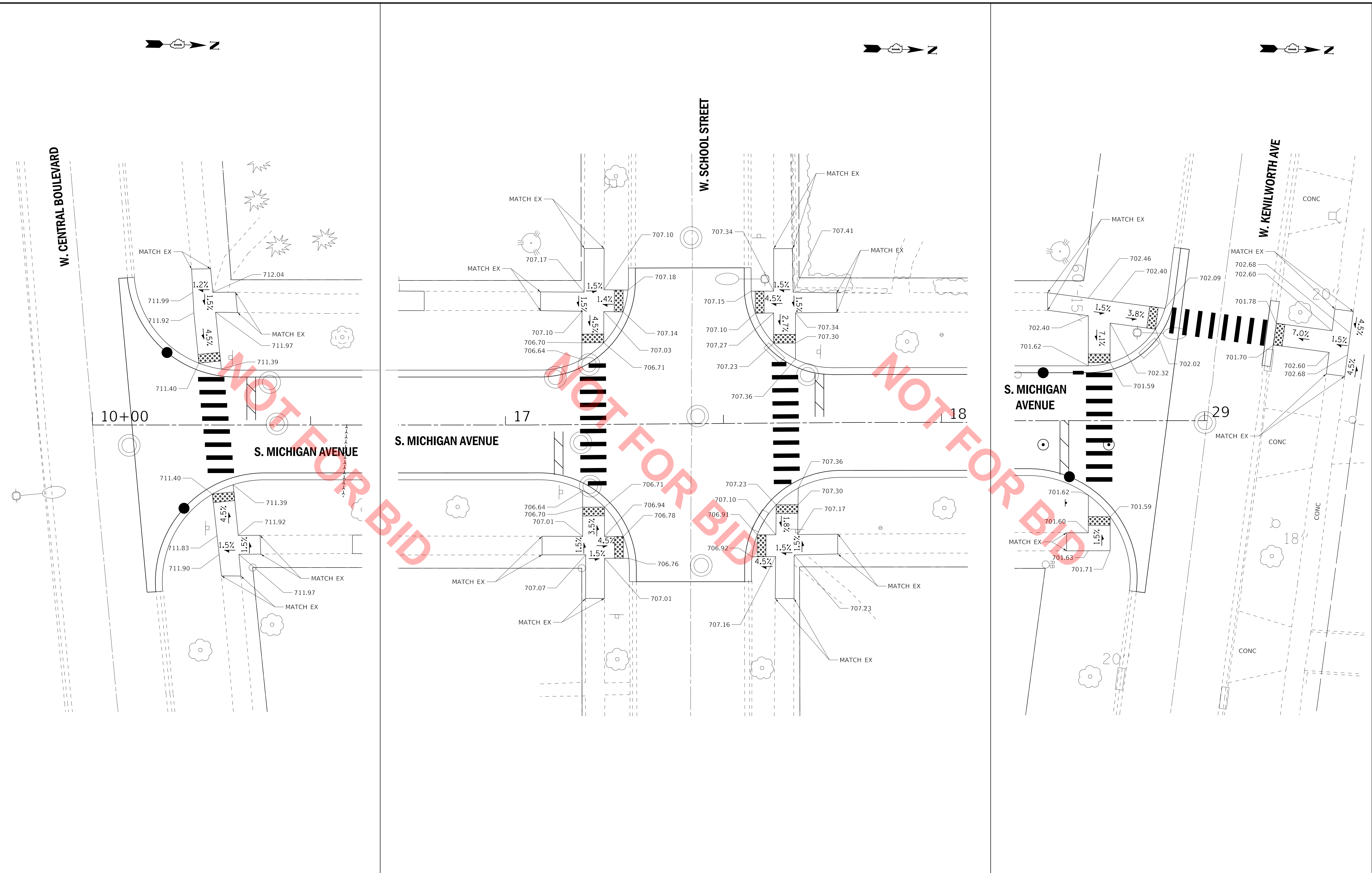
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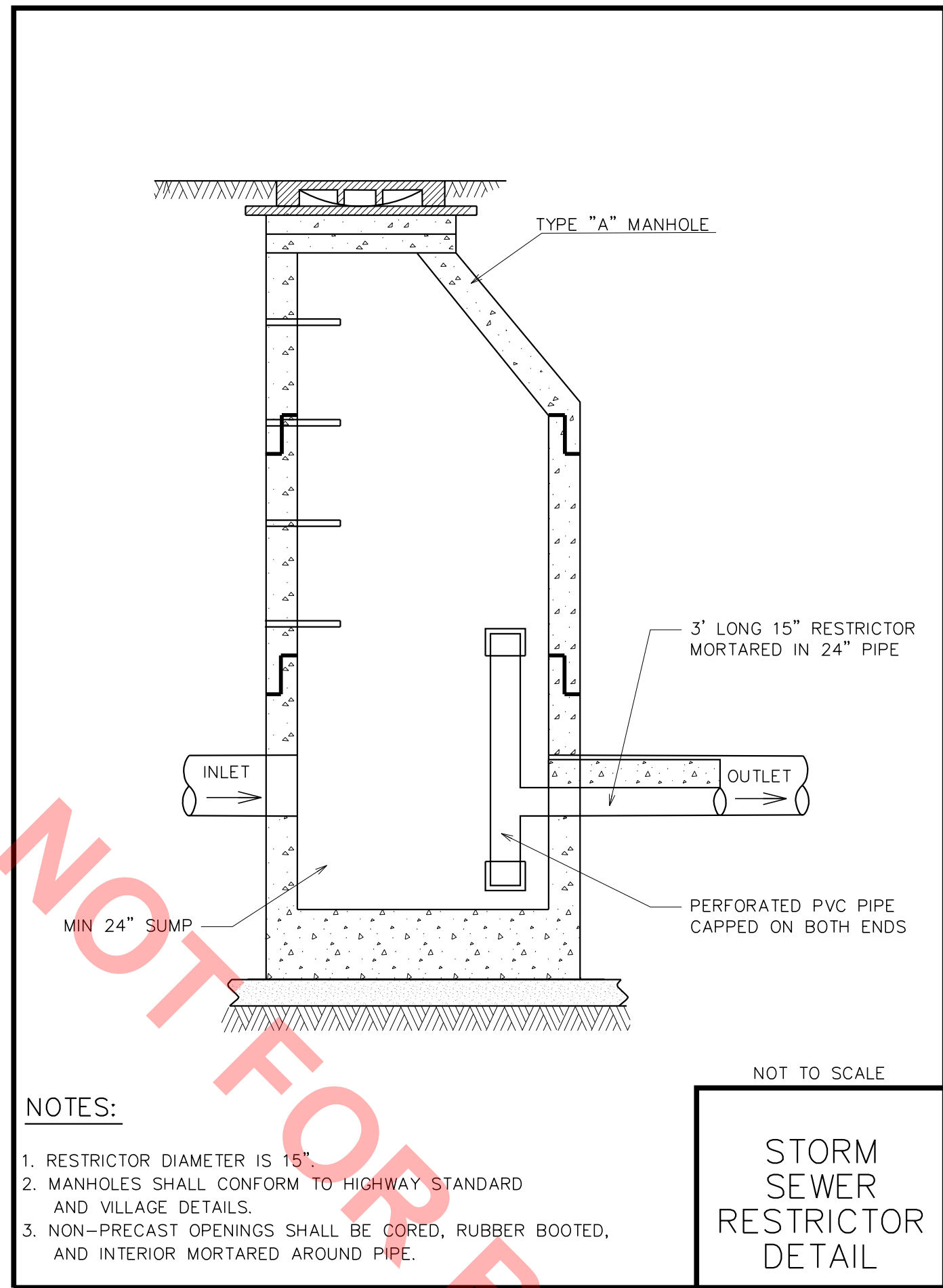
**VILLAGE OF VILLA PARK, ILLINOIS
SOUTH MICHIGAN AVENUE**

SIDEWALK DETAILS

SCALE: 1" = 10' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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ILLINOIS			FED. AID PROJECT	
CONTRACT NO.			N/A	

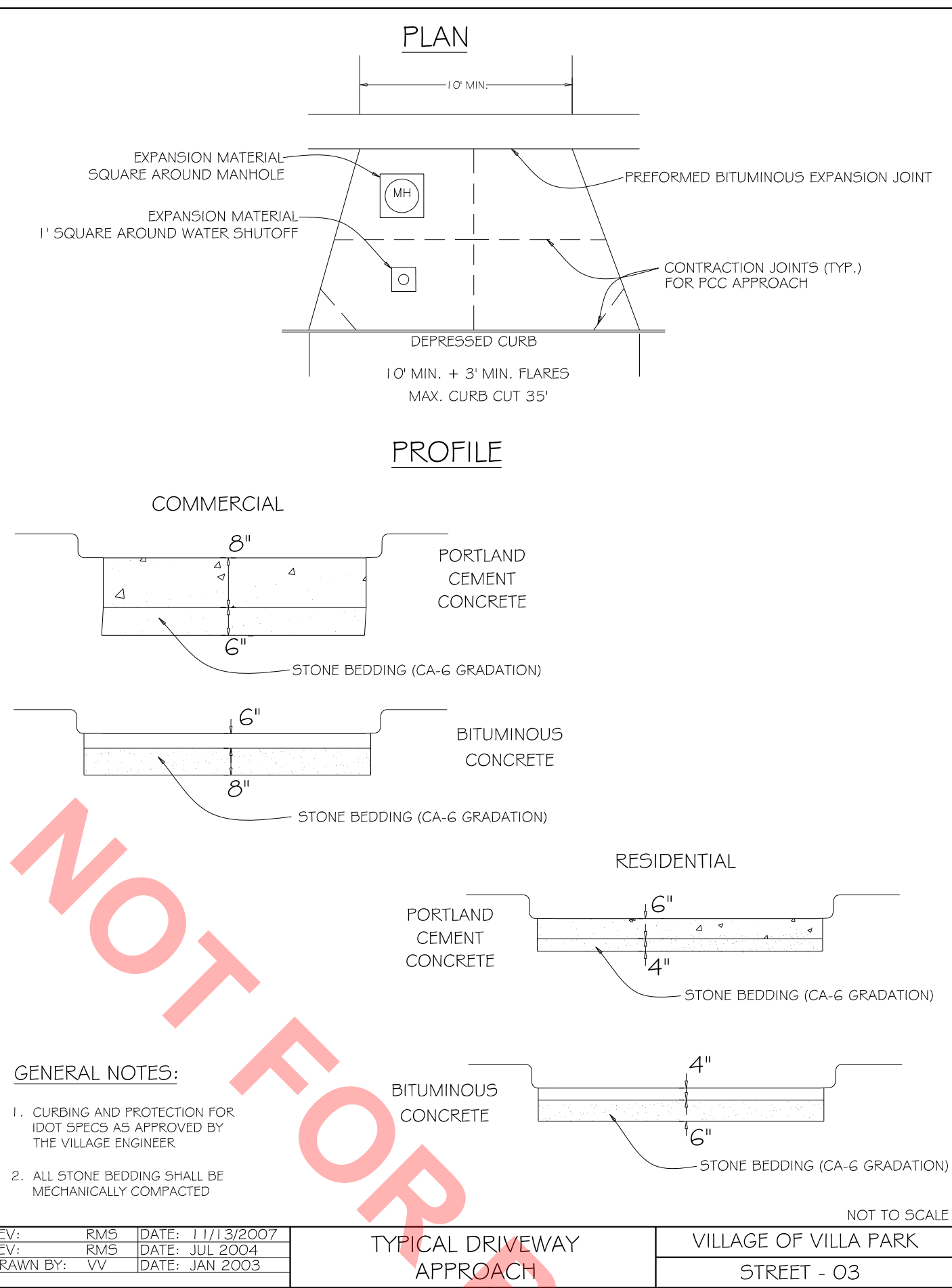




- NOTES:**
- RESTRICTOR DIAMETER IS 15"
 - MANHOLES SHALL CONFORM TO HIGHWAY STANDARD AND VILLAGE DETAILS.
 - NON-PRECAST OPENINGS SHALL BE CORED, RUBBER BOOTED, AND INTERIOR MORTARED AROUND PIPE.

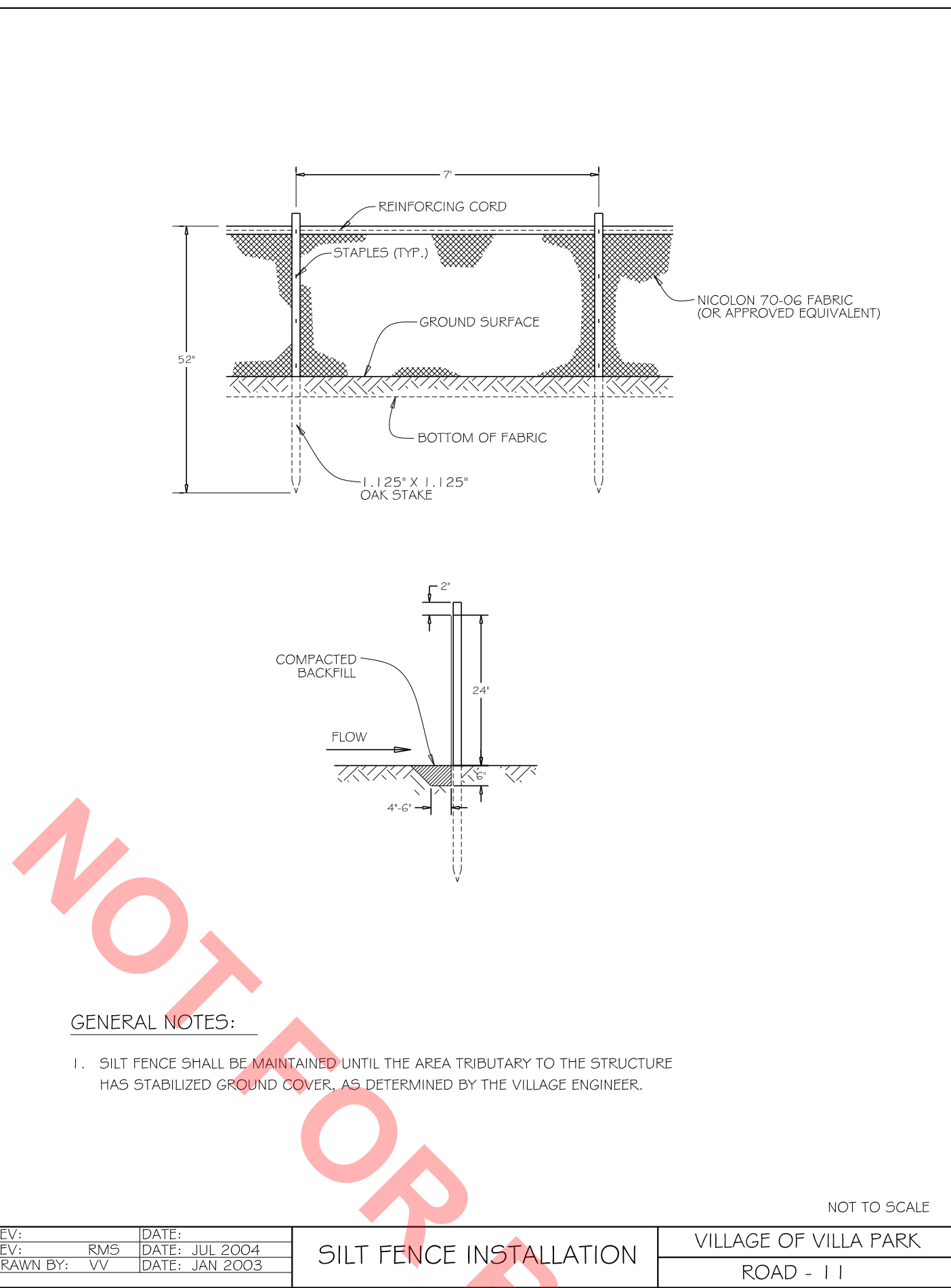
NOT TO SCALE

STORM SEWER RESTRICTOR DETAIL



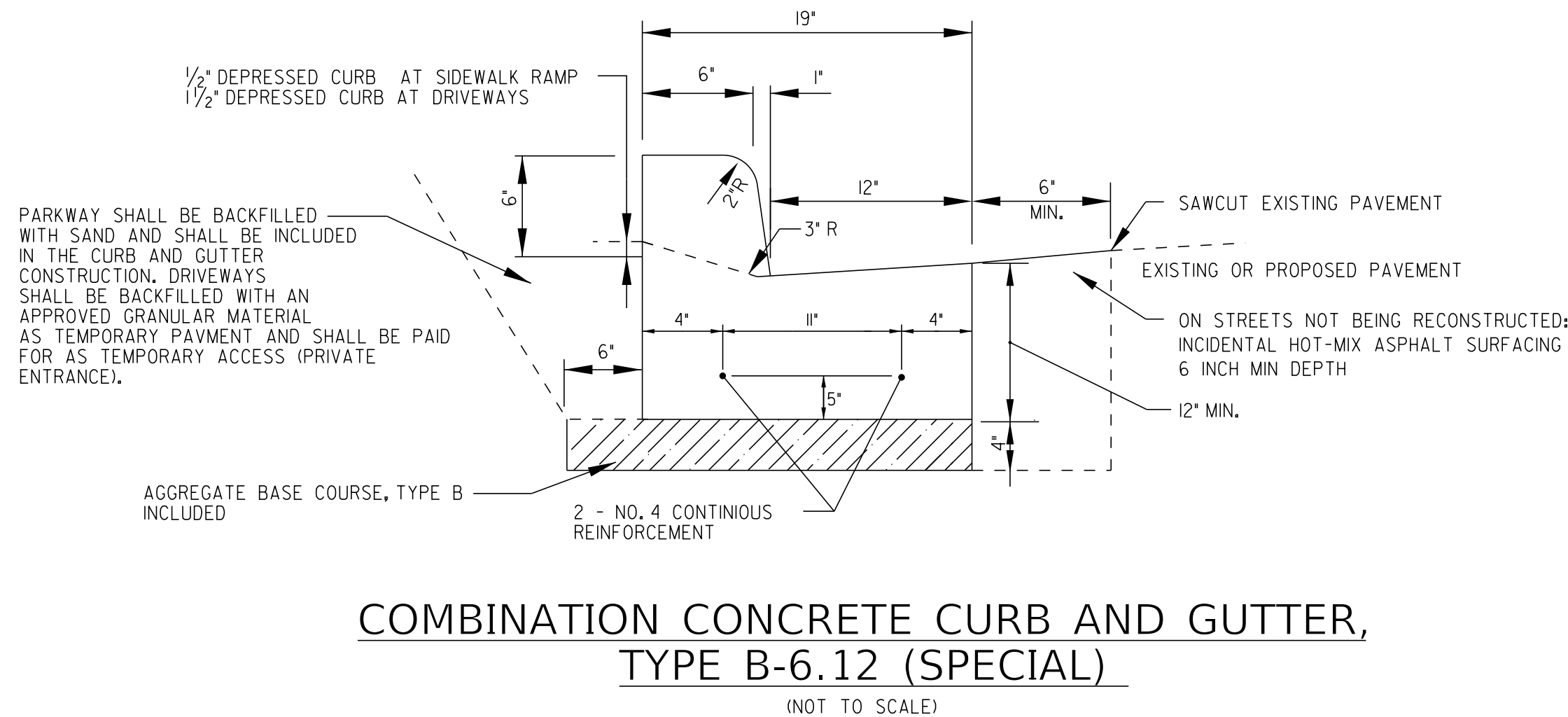
- GENERAL NOTES:**
- CURBING AND PROTECTION FOR IDOT SPECS AS APPROVED BY THE VILLAGE ENGINEER.
 - ALL STONE BEDDING SHALL BE MECHANICALLY COMPACTED.

REV: RMS	DATE: 1/13/2007	TYPICAL DRIVEWAY APPROACH	VILLAGE OF VILLA PARK
REV: RMS	DATE: JUL 2004		STREET - 03
DRAWN BY: VV	DATE: JAN 2003		



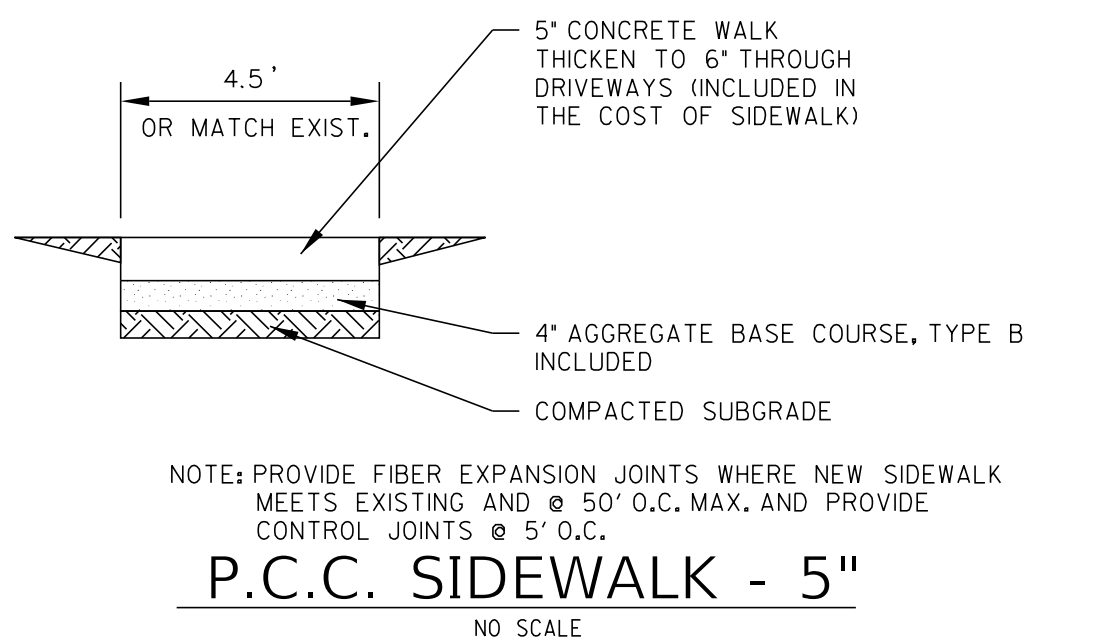
- GENERAL NOTES:**
- SILT FENCE SHALL BE MAINTAINED UNTIL THE AREA TRIBUTARY TO THE STRUCTURE HAS STABILIZED GROUND COVER, AS DETERMINED BY THE VILLAGE ENGINEER.

REV: RMS	DATE: JUL 2004	SILT FENCE INSTALLATION	VILLAGE OF VILLA PARK
REV: RMS	DATE: JUL 2004		ROAD - 11
DRAWN BY: VV	DATE: JAN 2003		



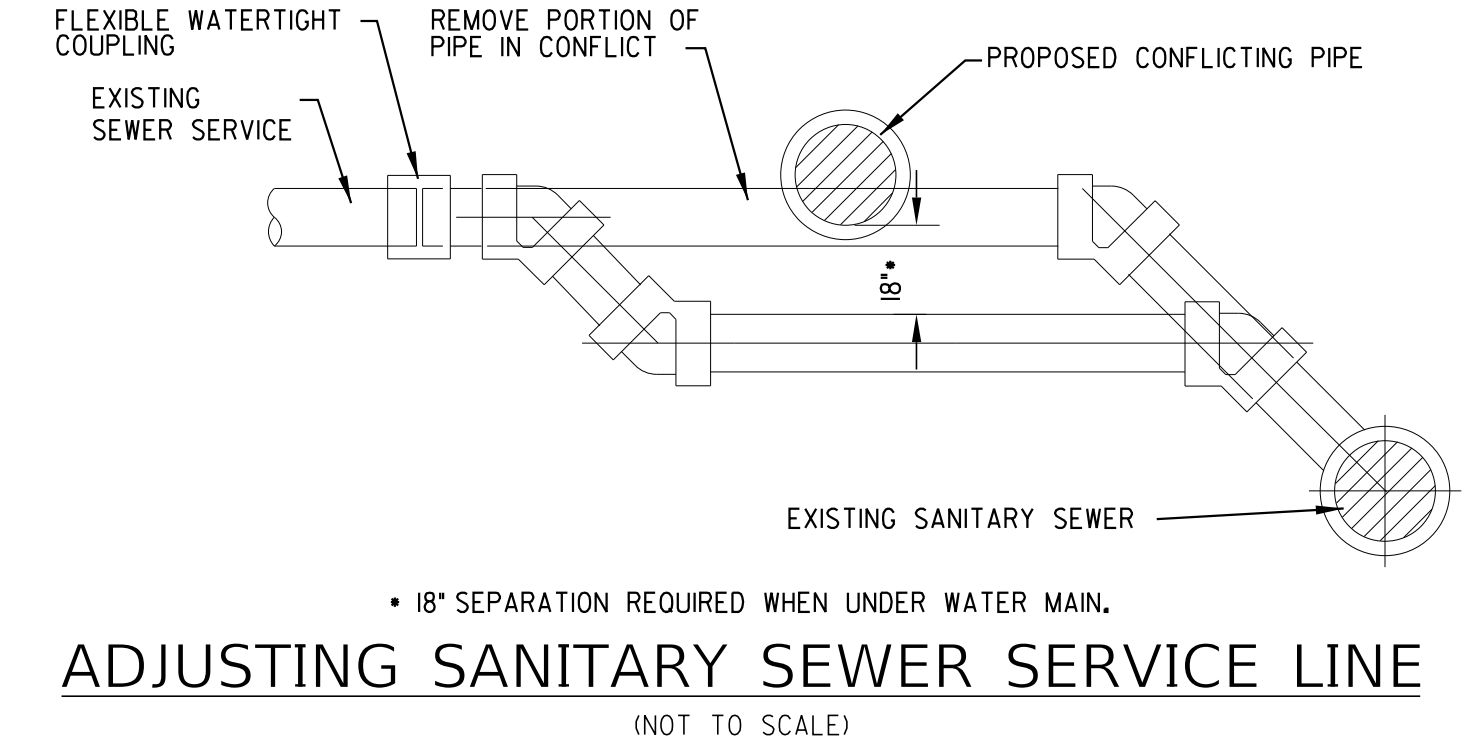
COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (SPECIAL)

(NOT TO SCALE)



P.C.C. SIDEWALK - 5"

NO SCALE



ADJUSTING SANITARY SEWER SERVICE LINE

(NOT TO SCALE)

WHEN REPLACEMENT OF SANITARY SERVICE IS REQUIRED ABOVE PROPOSED STORM SEWER OR WATER MAIN THE ENTIRE SERVICE LINE ACROSS THE TRENCH SHALL BE REPLACED WITH PVC SDR 26 ASTM D2241 AND SHALL BE CONNECTED WITH STAINLESS STEEL NON-SHEAR MISSION COUPLINGS IN UNDISTURBED GROUND OUTSIDE THE TRENCH WIDTH ON BOTH SIDES.

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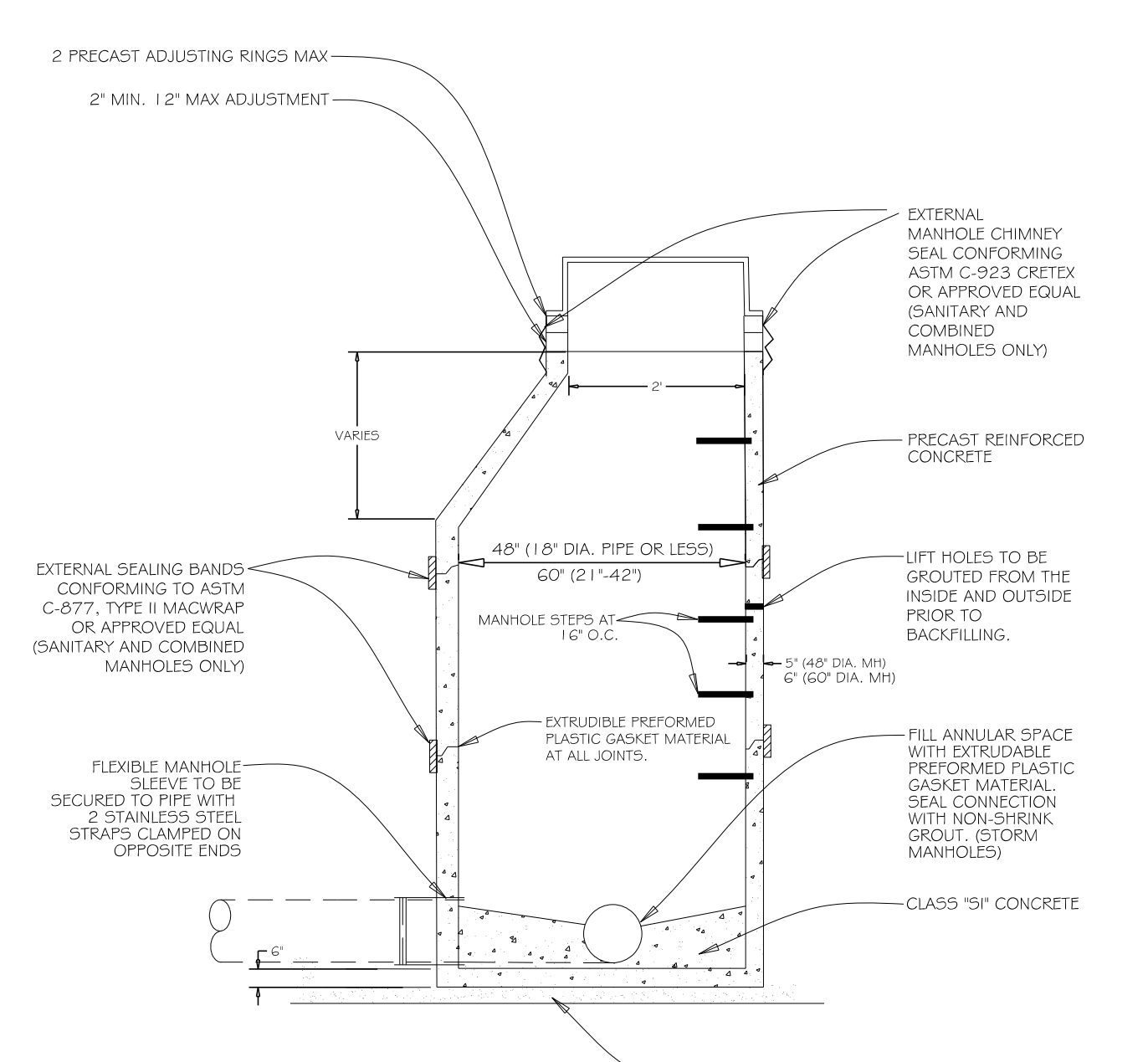
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	DATE - 3-30-20	FILE - 161063SHT_SS4-Misc_Details.dgn

VILLAGE OF VILLA PARK, ILLINOIS
SOUTH MICHIGAN AVENUE

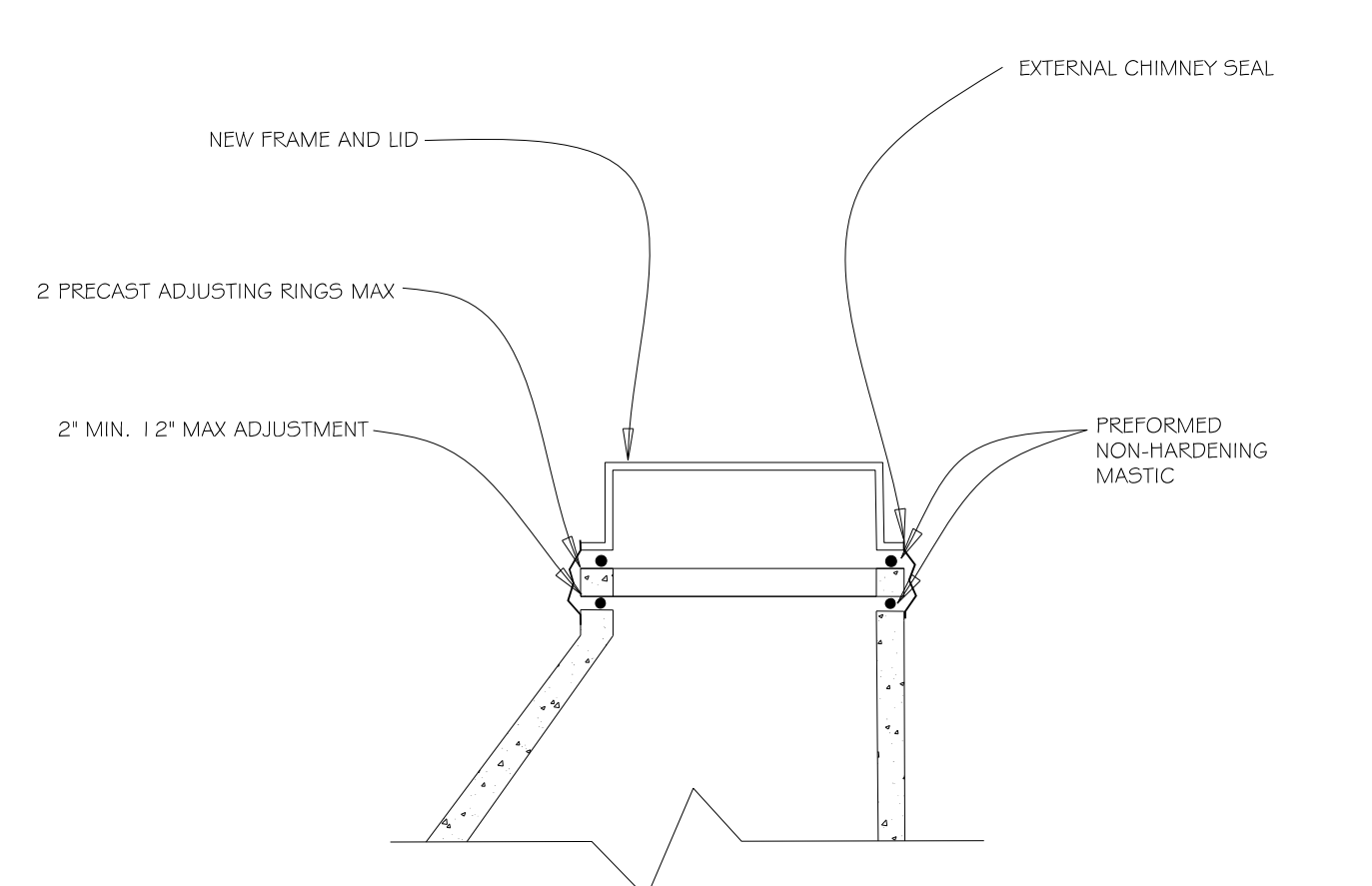
MISCELLANEOUS DETAILS

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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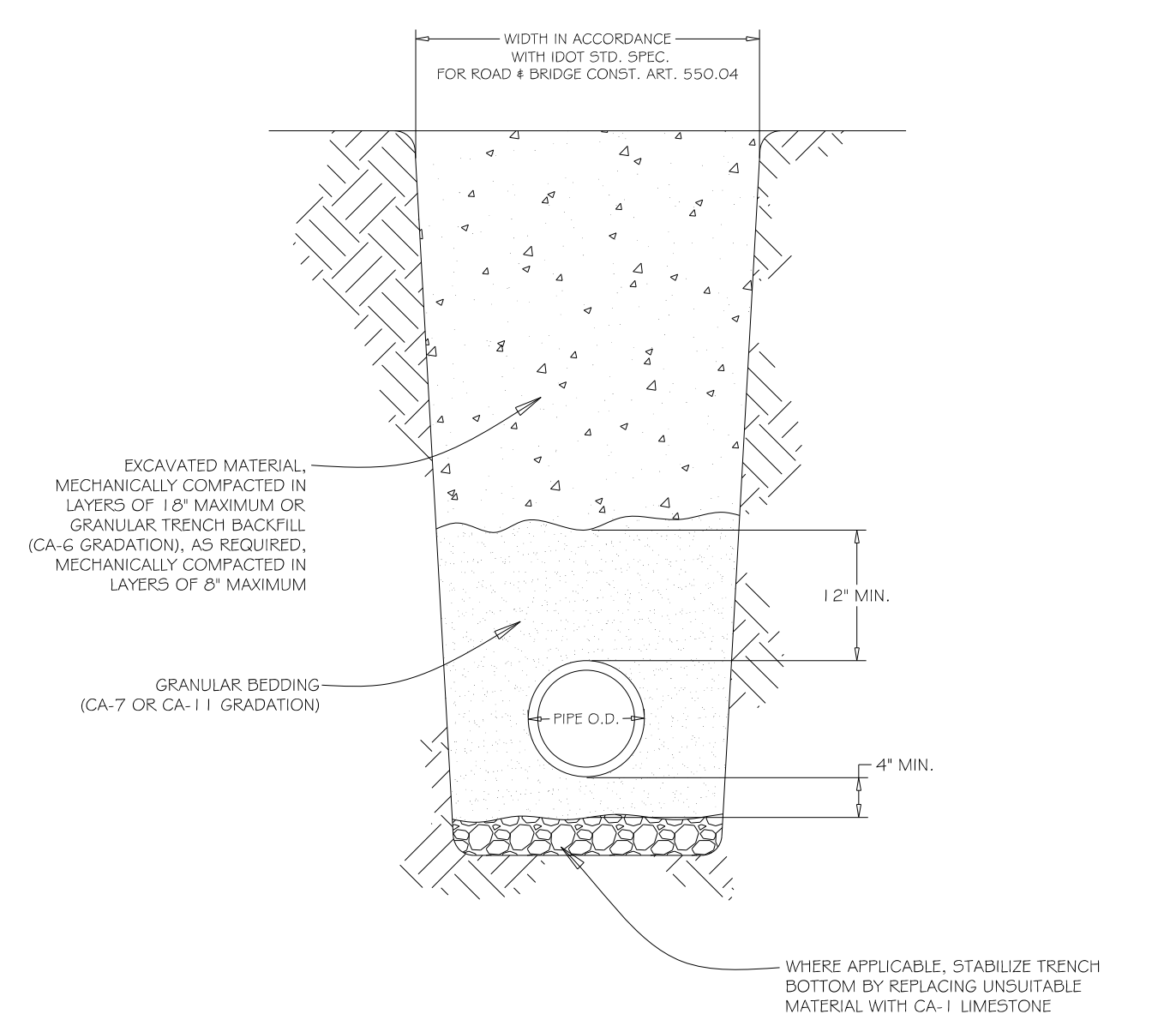
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CONTRACT NO.			N/A	
ILLINOIS FED. AID PROJECT				



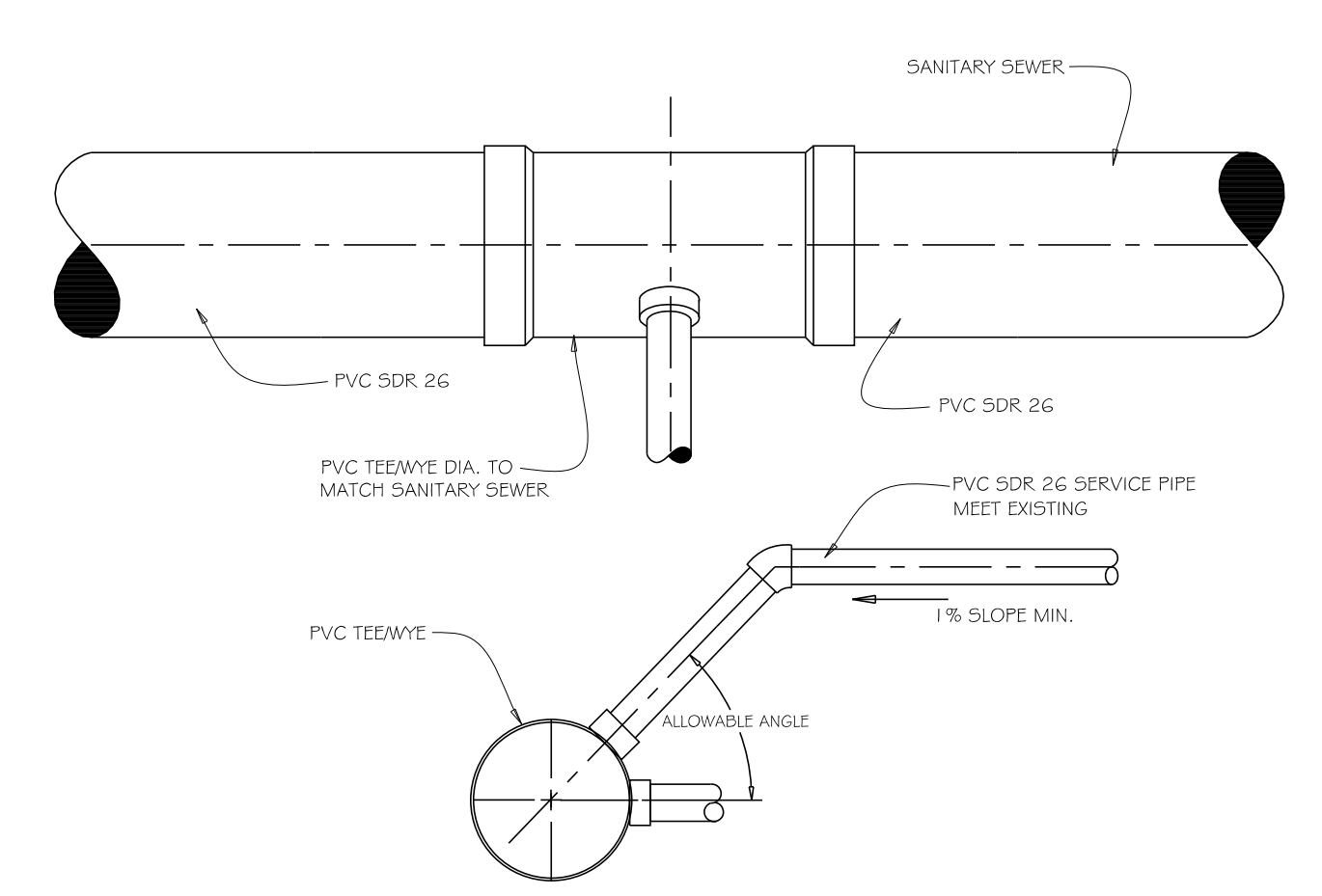
- GENERAL NOTES:**
1. FRAME AND LID (SANITARY):
NEENAH R-1015-2000 FRAME
NEENAH R-1015-2001 SELF SEALING LID
 2. FRAME AND LID (STORM):
NEENAH R-1015-2000 FRAME
NEENAH R-1015-2001 LID
 3. ALL LIFT HOLES ARE TO BE GROUTED FROM INSIDE AND OUTSIDE BEFORE BACKFILLING.



- GENERAL NOTES:**
1. INTERNAL MANHOLE CHIMNEY SEAL CONFORMING ASTM C-923 CRETEK 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



- GENERAL NOTES:**
1. GRANULAR TRENCH BACKFILL SHALL BE MECHANICALLY COMPACTED IN LAYERS OF 8\"/>
 - 2. EXCAVATED MATERIAL USED FOR BACKFILL SHALL BE MECHANICALLY COMPACTED IN LAYERS OF 18\"/>



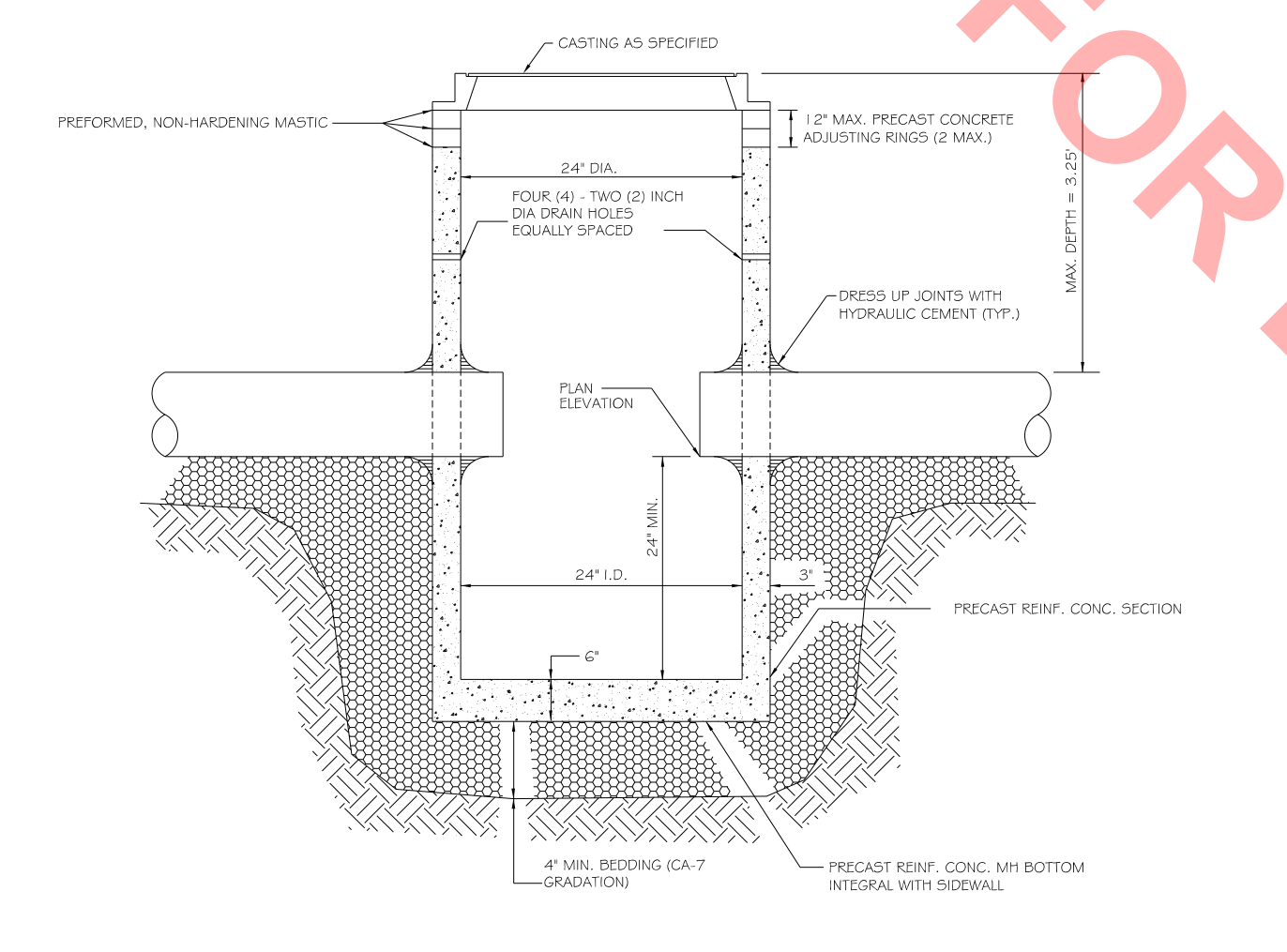
- GENERAL NOTES:**
1. TEEWAY CAN BE INSTALLED ONLY DURING NEW SEWER INSTALLATION
 2. CONTRACTOR MAY USE A TEE OR A WYE AT HIS OPTION

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

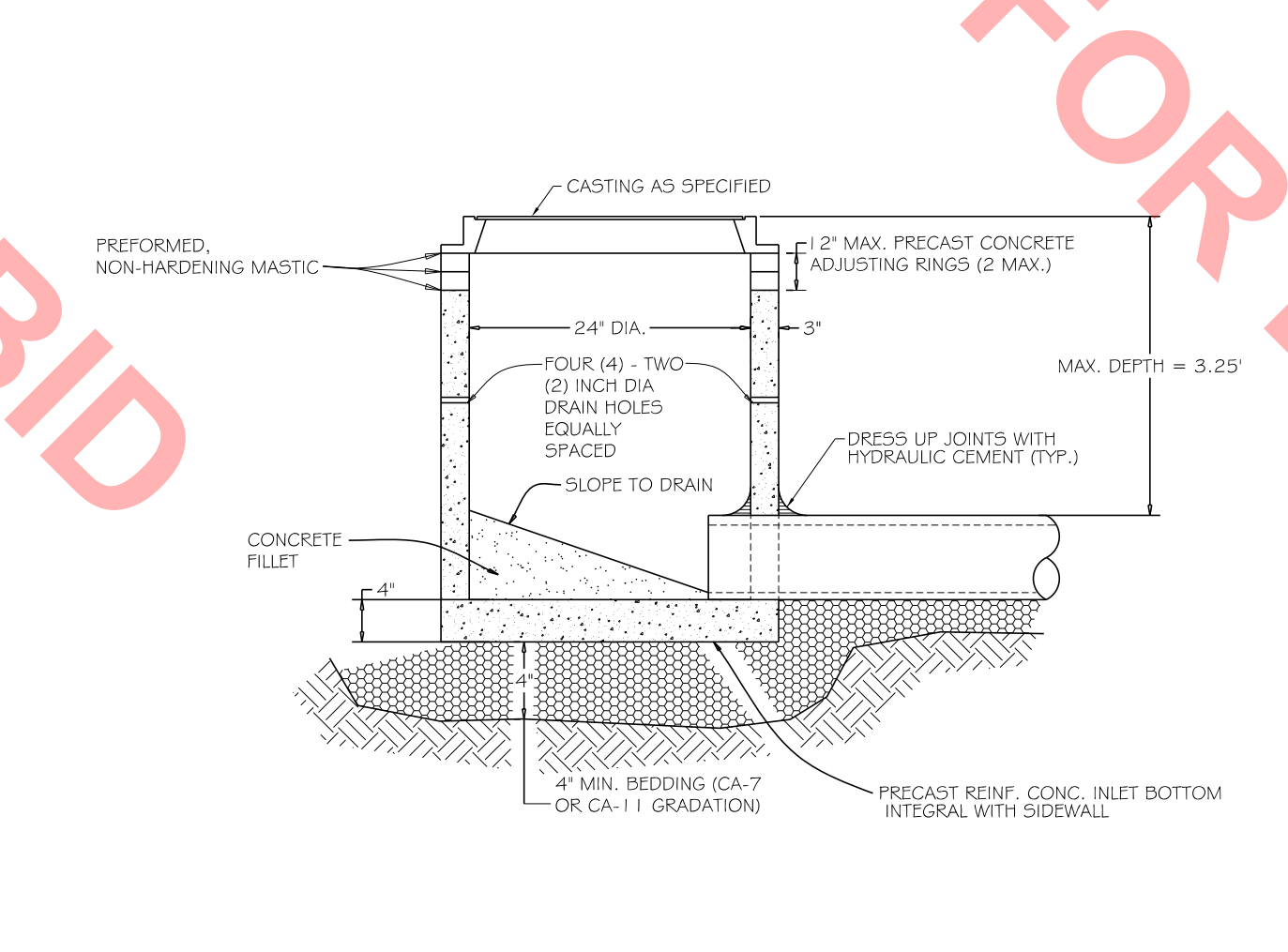
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DRAWN BY: VV	DATE: JAN 2003	SANITARY - 06

REV: KLM	DATE: 10/12/2006	VILLAGE OF VILLA PARK
DRAWN BY: VV	DATE: 01/20/03	SANITARY - 08

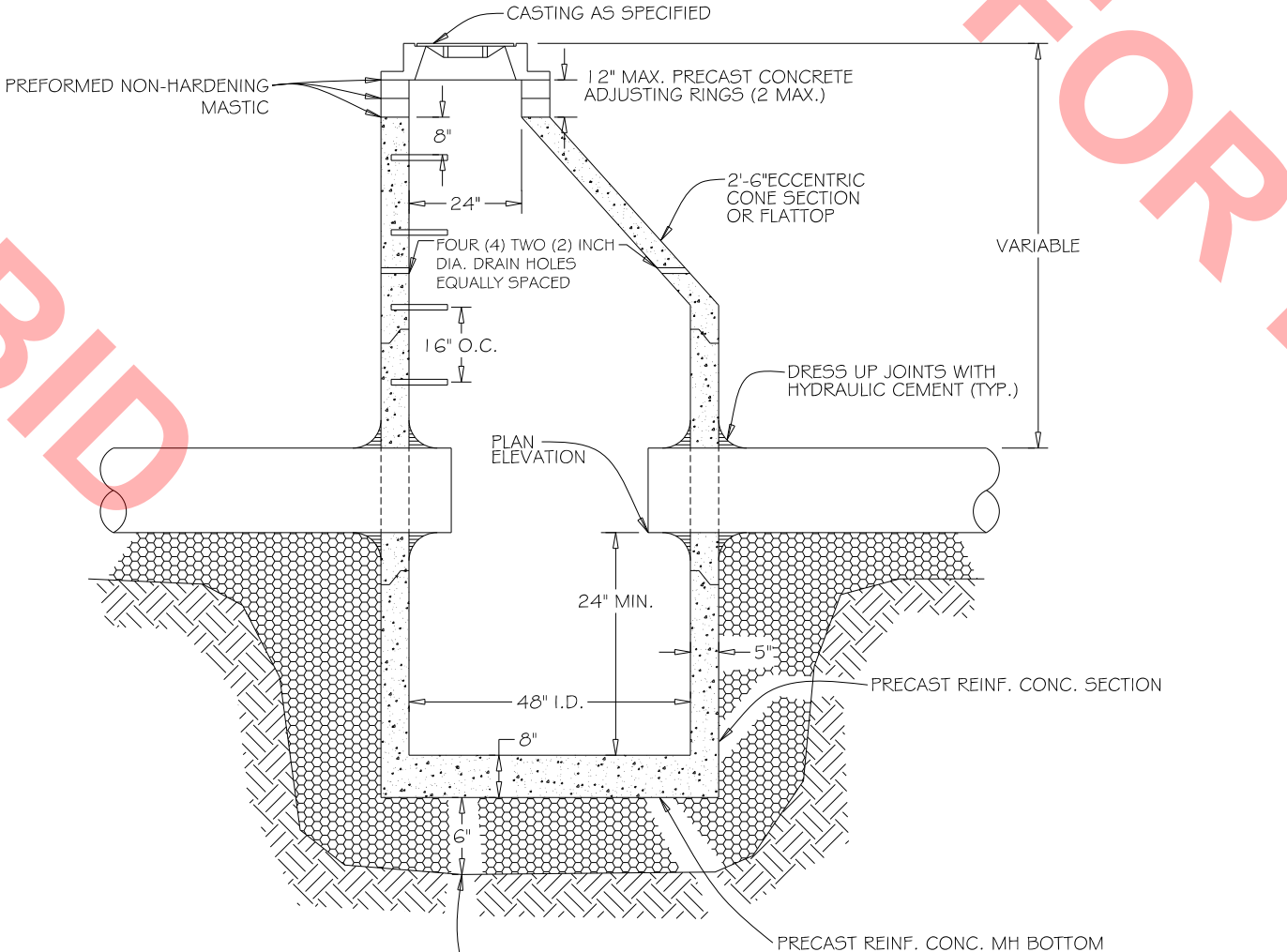
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DRAWN BY: VV	DATE: JAN 2003	SANITARY - 10



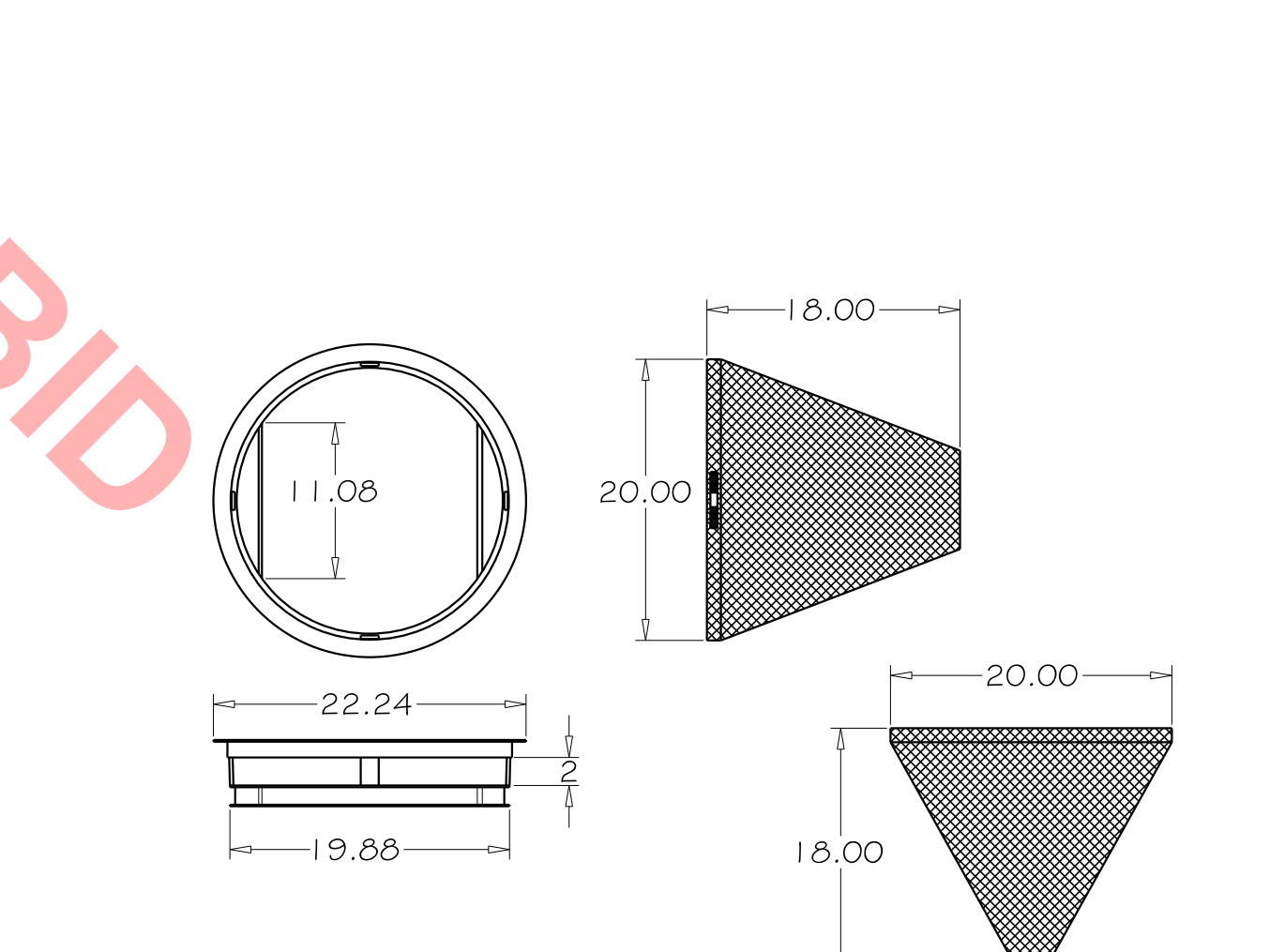
- GENERAL NOTES:**
1. PROVIDE PRECAST REINFORCED CONCRETE BARREL AND RISER SECTION. CONCRETE BLOCK CONSTRUCTION IS NOT PERMITTED.
 2. PROVIDE GRANULAR BACKFILL AROUND CATCH BASIN TO SUBGRADE ELEVATION IN PAVED AREAS. MATERIAL SHALL MEET THE REQUIREMENTS OF IDOT 'STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE 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 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.



- GENERAL NOTES:**
1. PROVIDE PRECAST REINFORCED CONCRETE BARREL AND RISER SECTIONS. 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, EZ 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.



- 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 Z 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, EZ 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.



- 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 - 01

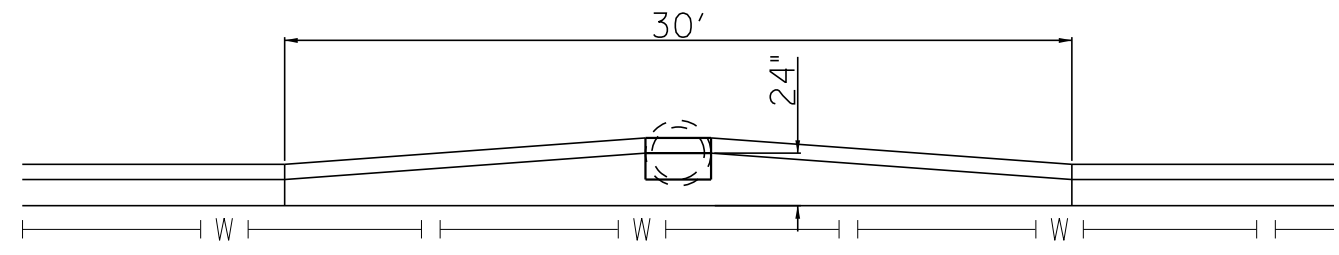
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REV: RMS	DATE: JUL 2004	VILLAGE OF VILLA PARK
DRAWN BY: VV	DATE: JAN 2003	STORM - 16

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DRAWN BY: VV	DATE: JAN 2003	STORM - 17

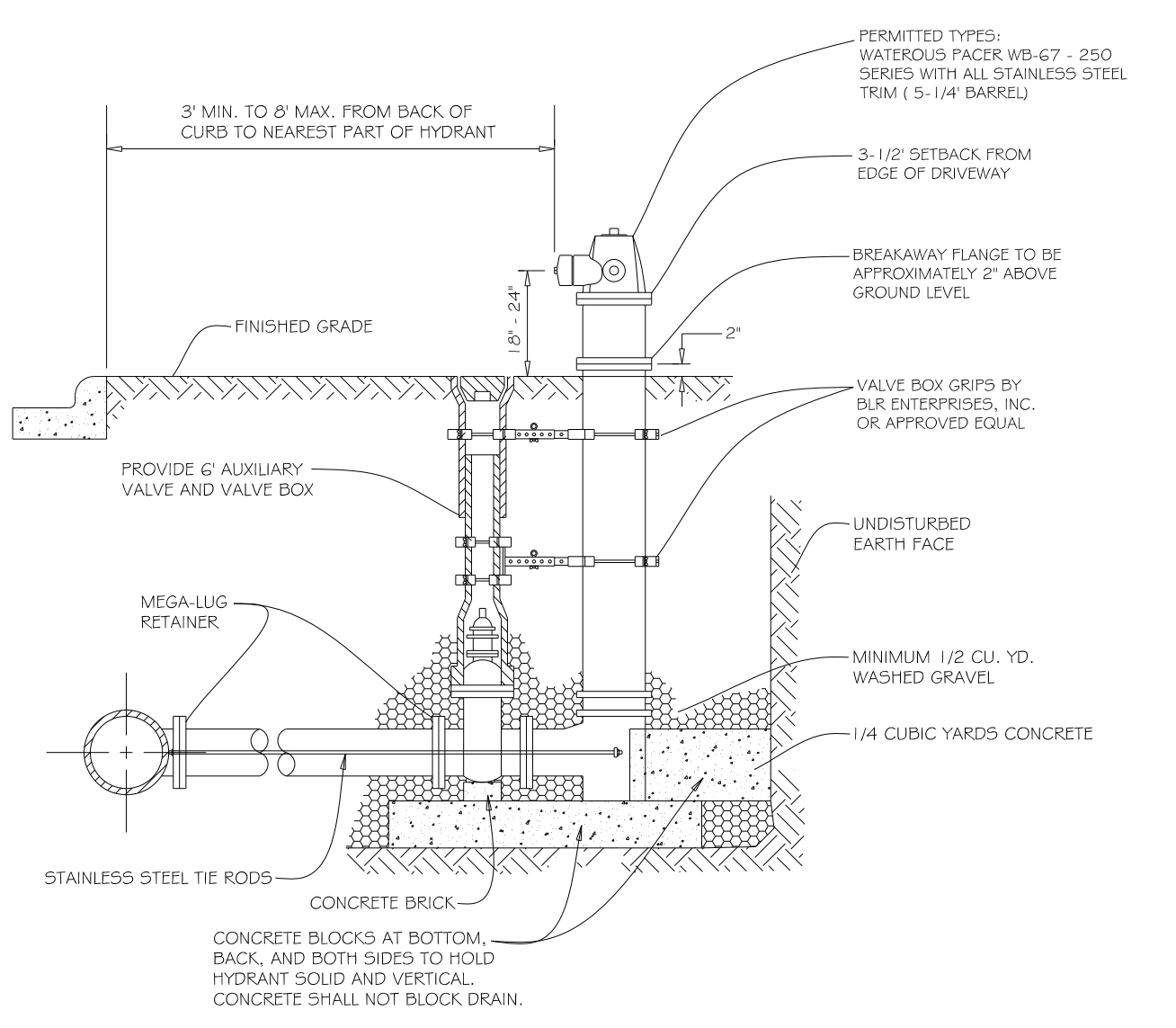
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BAXTER & WOODMAN Consulting Engineers	USER NAME = 642/dm	DESIGNED - JDM	REVISED -	VILLAGE OF VILLA PARK, ILLINOIS SOUTH MICHIGAN AVENUE	MISCELLANEOUS DETAILS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 1.0000' / in.	CHECKED - TMS	REVISED -			N/A	N/A	DuPAGE	24	21
PLOT DATE = 3/26/2020	DATE = 3-30-20	FILE = 161063SHT_SS4-Misc Details.dgn		SCALE:	SHEET OF SHEETS STA. TO STA.	ILLINOIS FED. AID PROJECT				



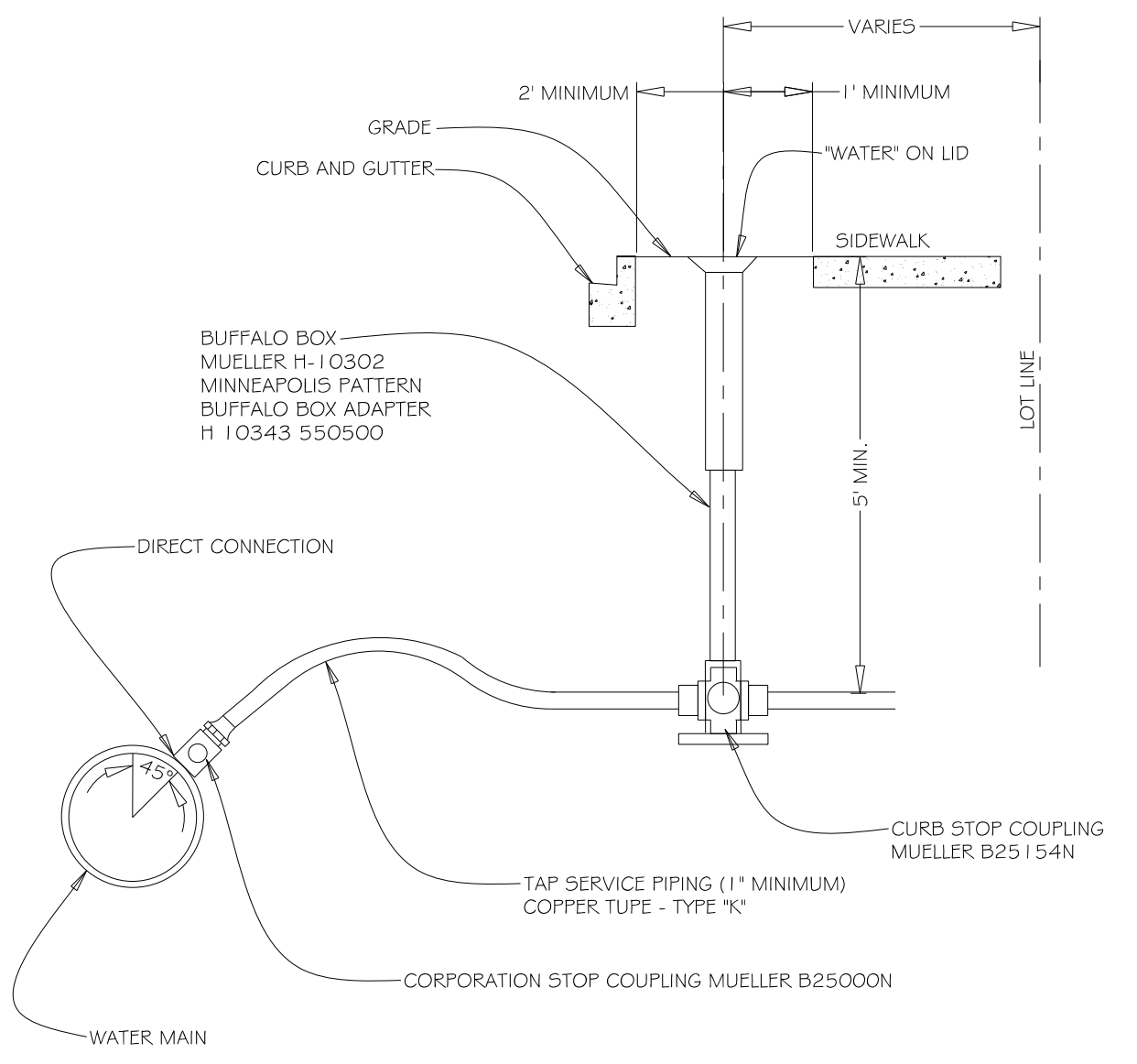
1. AS DETERMINED BY ENGINEER WHERE CONFLICT WITH PROPOSED STORM STRUCTURES AND EXISTING WATER MAIN.
2. INCLUDED IN THE COST OF COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6J2.
3. EXPANSION JOINTS SHALL BE PLACED WHEREVER THERE ARE CHANGES IN CURB ALIGNMENT.

COMBINATION CONCRETE CURB AND GUTTER, TAPER FOR CONFLICT AVOIDANCE
(NOT TO SCALE)



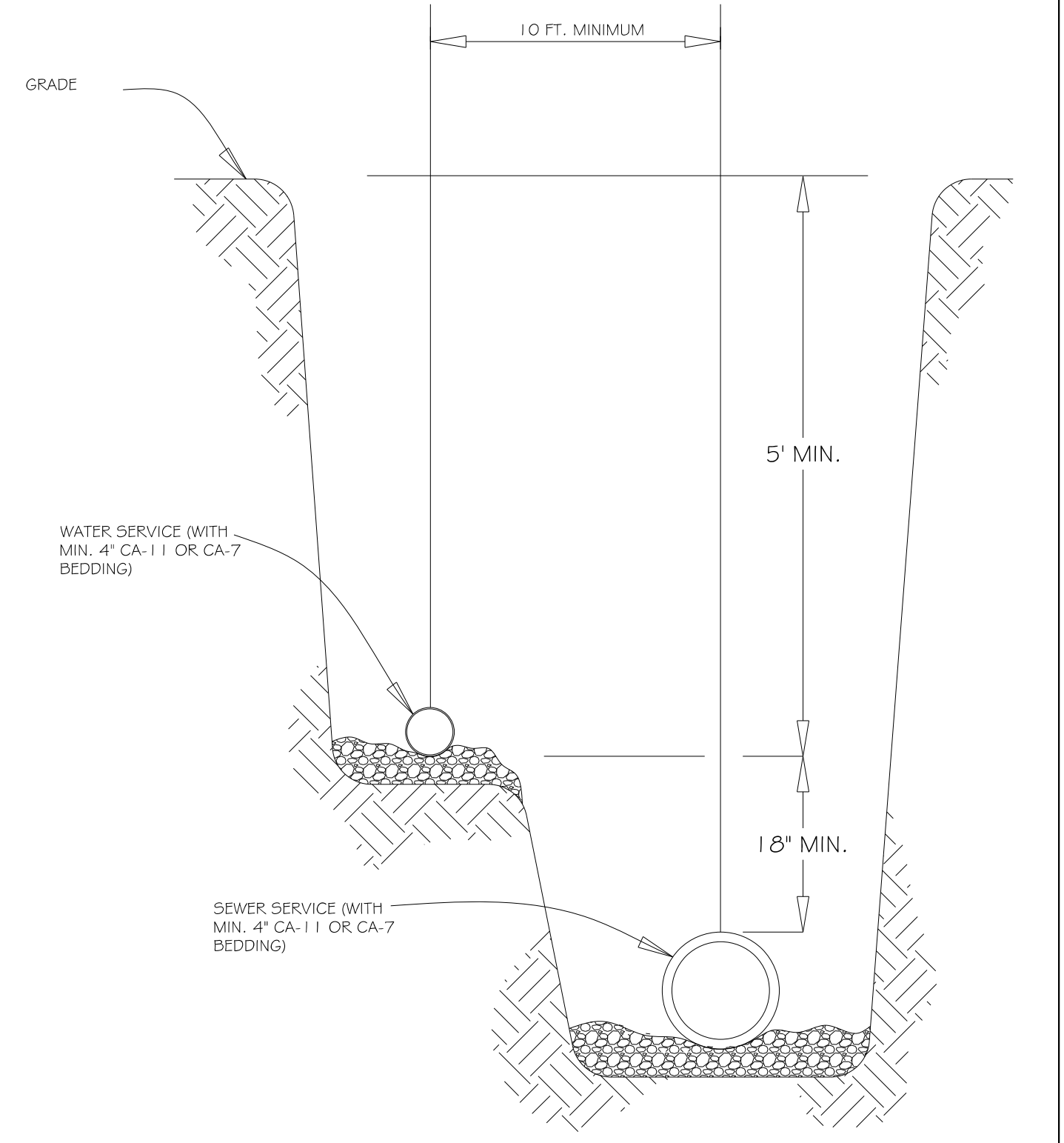
- GENERAL NOTES:**
1. MAXIMUM BARREL EXTENSIONS ARE 18 INCHES AND SHALL BE WATEROUS EXTENSION FOR WATEROUS HYDRANTS.
 2. ALL HYDRANTS ARE TO BE SUPPLIED WITH A 6" FLANGED AND MECHANICAL JOINT AUXILIARY VALVE THAT CONFORMS TO AWWA 500-90. ALL TRIM BOLTS ARE TO BE STAINLESS STEEL.
 3. ALL BELOW GRADE FASTENERS 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: RMS	DATE: JUL 2004	FIRE HYDRANT SETTING	VILLAGE OF VILLA PARK
DRAWN BY: VV	DATE: JAN 2003		
		WATER - 04	



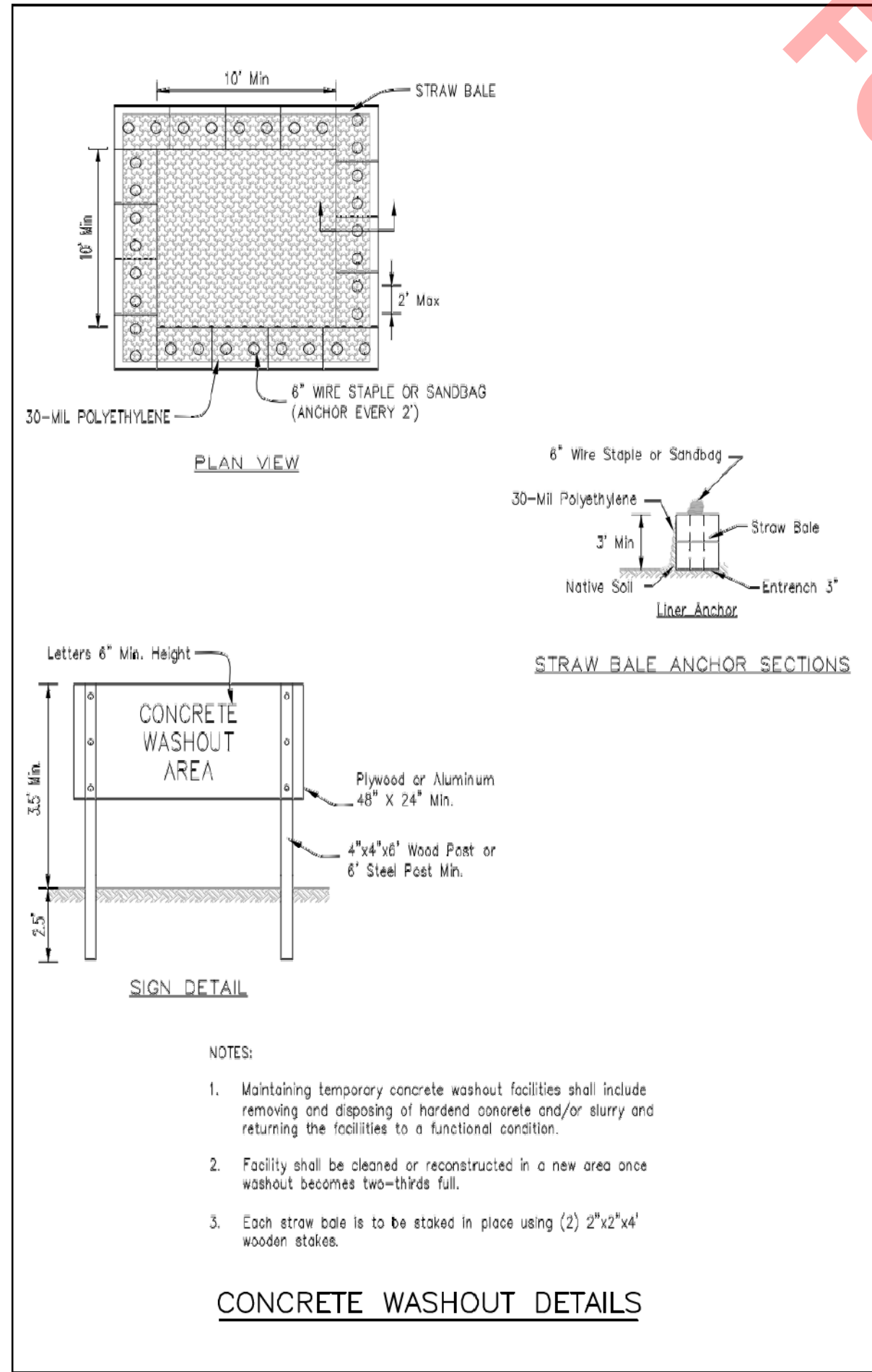
- GENERAL NOTES:**
1. CURB STOP MUST BE INSTALLED 2 (TWO) FEET MINIMUM FROM THE BACK OF CURB AND 1 (ONE) FOOT FROM THE EDGE OF SIDEWALK.
 2. CURB STOP MUST BE INSTALLED PERPENDICULAR TO BUILDING

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



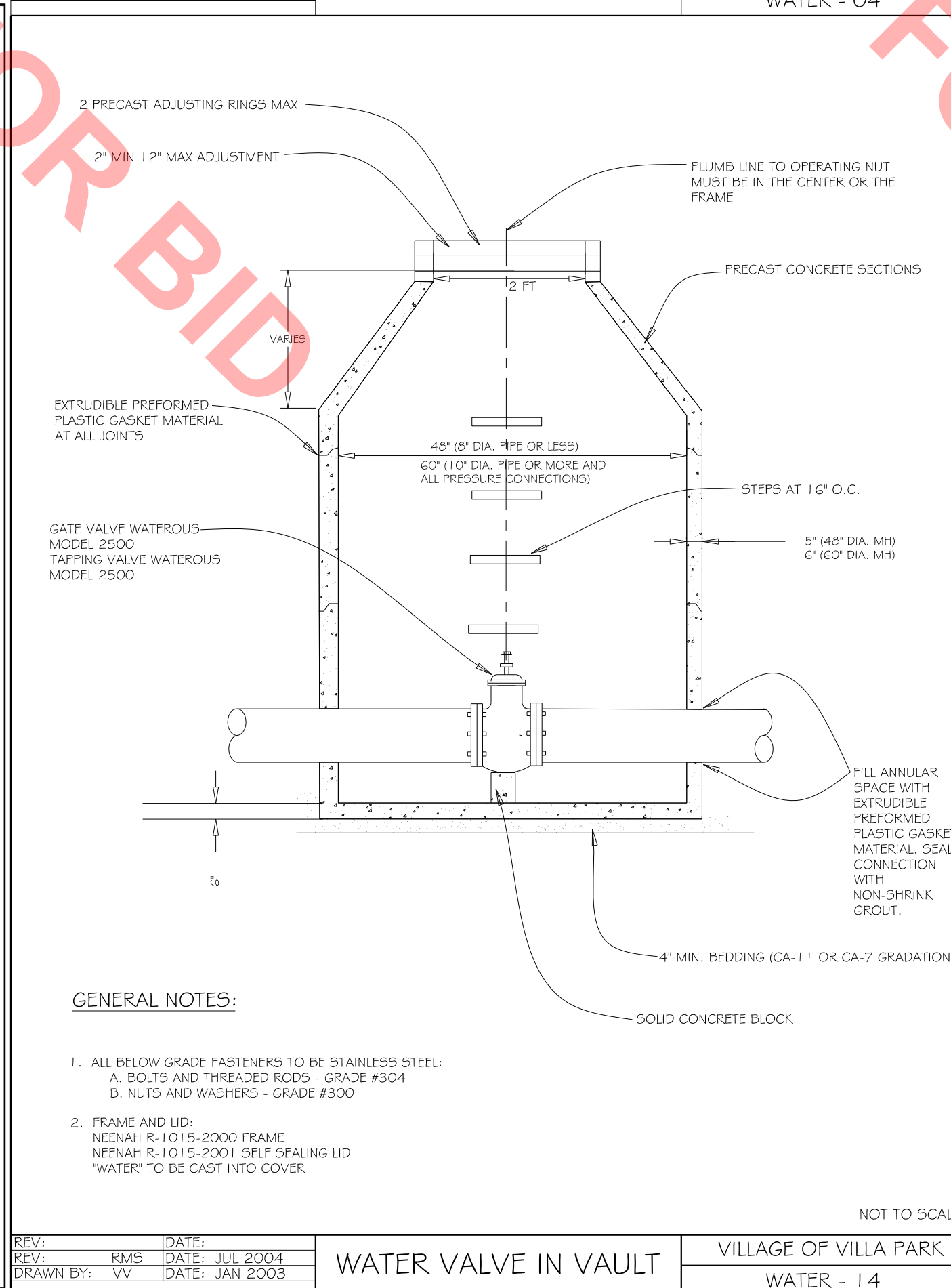
- GENERAL NOTES:**
1. COMMON TRENCH PER ILLINOIS PLUMBING CODE

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



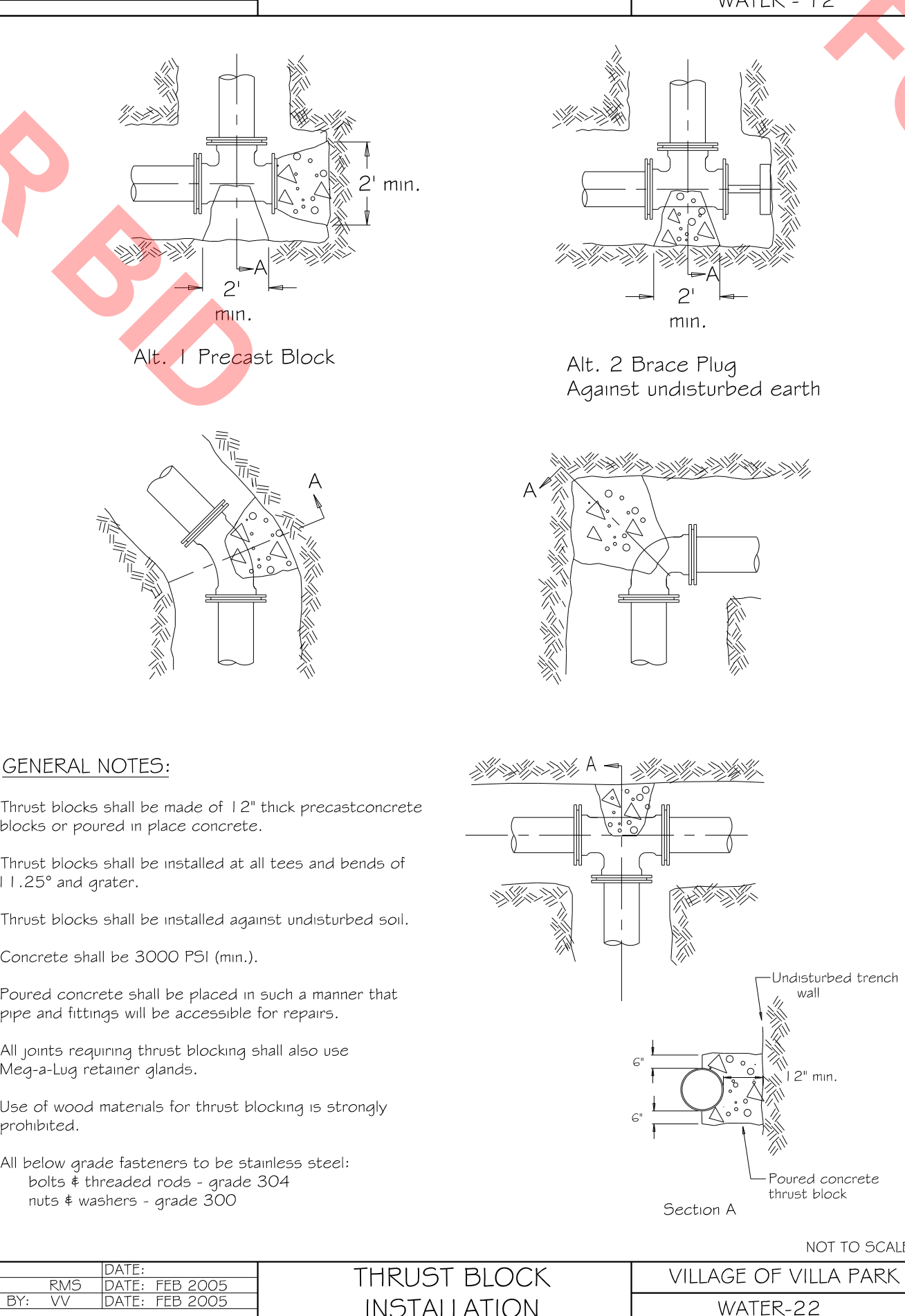
- NOTES:**
1. Maintaining temporary concrete washout facilities shall include removing and disposing of hard concrete and/or slurry and returning the facilities to a functional condition.
 2. Facility shall be cleaned or reconstructed in a new area once washout becomes two-thirds full.
 3. Each straw bale is to be staked in place using (2) 2"x4" wooden stakes.

CONCRETE WASHOUT DETAILS



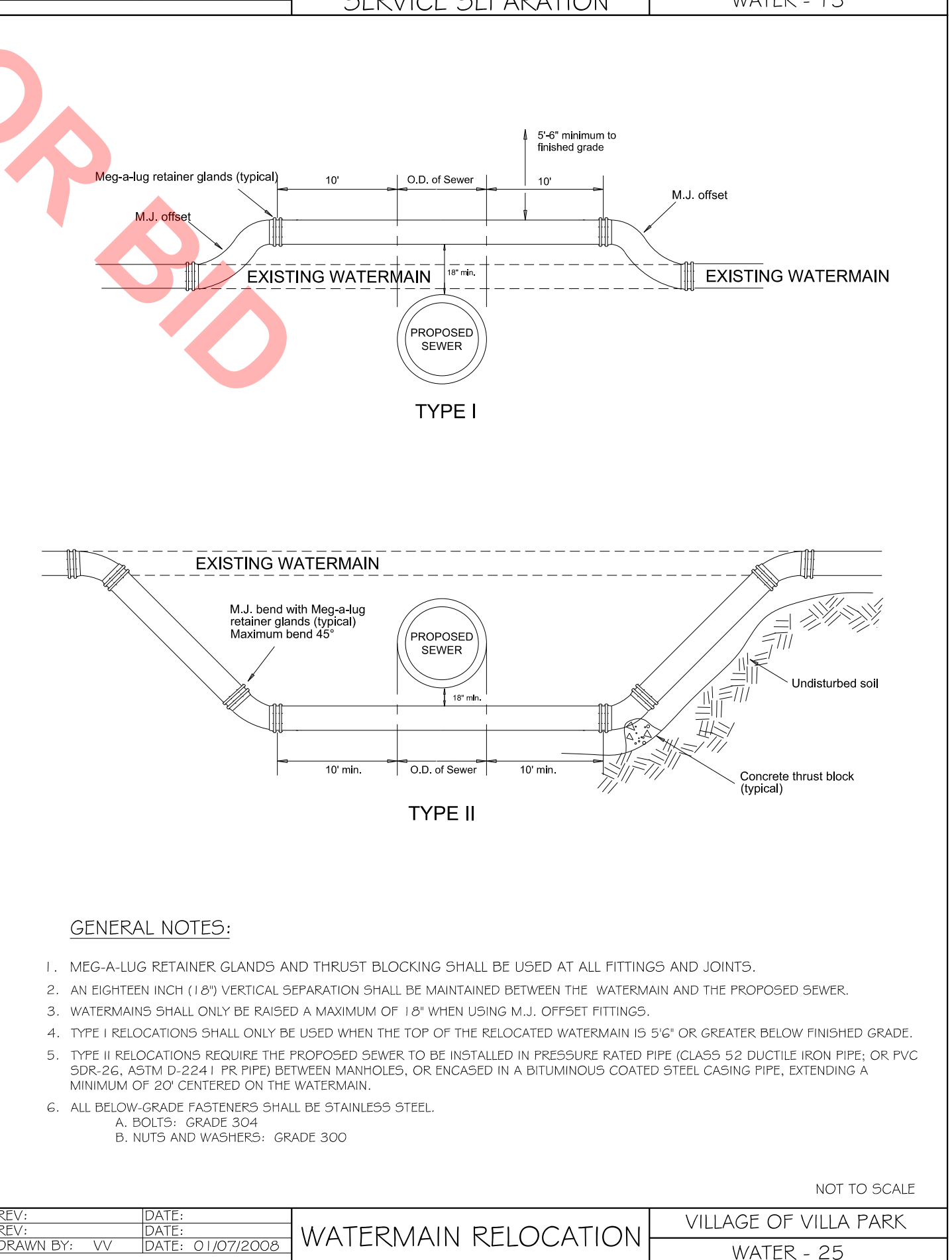
- GENERAL NOTES:**
1. ALL BELOW GRADE FASTENERS TO BE STAINLESS STEEL:
 - A. BOLTS AND THREADED RODS - GRADE #304
 - B. NUTS AND WASHERS - GRADE #300
 2. FRAME AND LID:
 - NEENAH R-1015-2000 FRAME
 - NEENAH R-1015-2001 SELF-SEALING LID
 - "WATER" TO BE CAST INTO COVER

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



- 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: RMS	DATE: FEB 2005	THRUST BLOCK INSTALLATION	VILLAGE OF VILLA PARK
DRAWN BY: VV	DATE: FEB 2005		
		WATER - 22	



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

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USER NAME = 642/dm	DESIGNED ADDENDUM 112-5-16	REVISED -
PLOT SCALE = 1.0000' / in.	CHECKED - TMS	REVISED -
PLOT DATE = 3/26/2020	DATE - 3-30-20	FILE - 161063SHT_SS4-Misc_Details.dgn

VILLAGE OF VILLA PARK, ILLINOIS SOUTH MICHIGAN AVENUE

MISCELLANEOUS DETAILS

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
							N/A	N/A	DuPAGE	24	22
											CONTRACT NO. N/A
											ILLINOIS FED. AID PROJECT

