

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 48 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.
- THE CONTRACTOR SHALL PROVIDE AND INSTALL TWO (2) WEIGHTED SANDBAGS ON EACH TYPE I OR TYPE II BARRICADE USED. ONE (1) WEIGHTED SANDBAG SHALL BE PLACED ACROSS EACH BOTTOM RAIL.
- PORTLAND CEMENT CONCRETE SIDEWALK SHALL BE THICKENED TO 6-INCHES AT LOCATIONS WHERE THE SIDEWALK CROSSES DRIVEWAYS AND SHALL BE INCLUDED IN THE UNIT PRICE OF PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH.
- 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"x60" MINIMUM NOMINAL SIZE PANEL UNLESS OTHER SIZE IS APPROVED BY ENGINEER, AS MANUFACTURED BY ARMOR-TILE OR APPROVED EQUAL. 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.
- 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, INCLUDING NON-SHEAR MISSION BANDS, 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-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.
- ALL SIGNS IN CONFLICT WITH CONSTRUCTION AND THE PROPOSED IMPROVEMENTS WILL BE RELOCATED BY THE VILLAGE.

- 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 FOR UNDERGROUND WORK.
- WATER MAIN SHUT DOWNS TO COMPLETE THE WATER MAIN WORK ARE TO BE COORDINATED SO THAT NO HOUSE IS WITHOUT WATER MORE THAN TWO TIMES. CONTRACTOR TO PROVIDE 48 HOURS OF NOTICE TO AFFECTED HOUSES PRIOR SHUT DOWN AND 72 HOURS NOTICE TO THE VILLAGE.
- 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.

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS, HIGHWAY STANDARDS, BENCHMARKS AND GENERAL NOTES
3 - 5	SUMMARY OF QUANTITIES
\$S04	SCHEDULE OF QUANTITIES
7	TYPICAL SECTIONS AND HOT-MIX ASPHALT MIXTURE REQUIREMENTS
8 - 10	REMOVAL PLAN N. PRINCETON AVENUE
11 - 15	PLAN AND PROFILE N. PRINCETON AVENUE
16	SIDEWALK DETAILS
17	EROSION AND SEDIMENT CONTROL NOTES
18 - 20	EROSION CONTROL PLAN N. PRINCETON AVENUE
21 - 25	DRAINAGE AND UTILITIES N. PRINCETON AVENUE
26 - 28	MISCELLANEOUS DETAILS
29	(TC-10) TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
30 - 36	CROSS SECTIONS N. PRINCETON AVENUE

BENCHMARKS

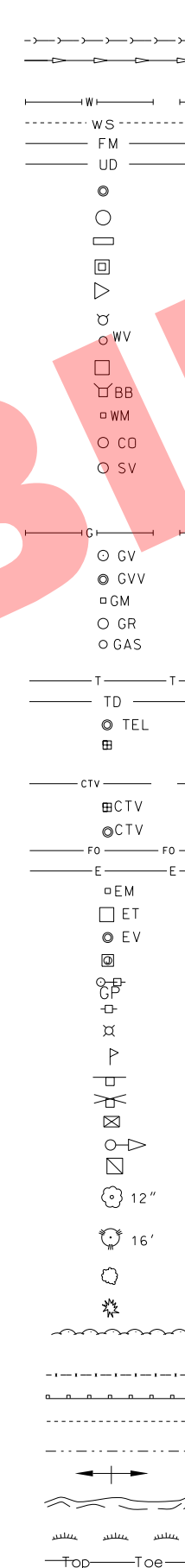
BM #6	RRS SET IN PPL AT NORTHWEST CORNER OF W. TERRACE AVENUE AND N. PRINCETON AVENUE EL 695.287
BM #7	RRS SET IN PPL AT NORTHWEST CORNER OF E. VERMONT STREET AND N. PRINCETON AVENUE EL 701.144
BM #8	RRS SET IN PPL AT SOUTHWEST CORNER OF E. PLYMOUTH STREET AND N. PRINCETON AVENUE EL 702.484
BM #9	RRS SET IN PPL AT 553 N. PRINCETON AVENUE EL 696.887
BM #10	RRS SET IN PPL AT 30 W. RIDGE ROAD EL 697.943

HIGHWAY STANDARDS

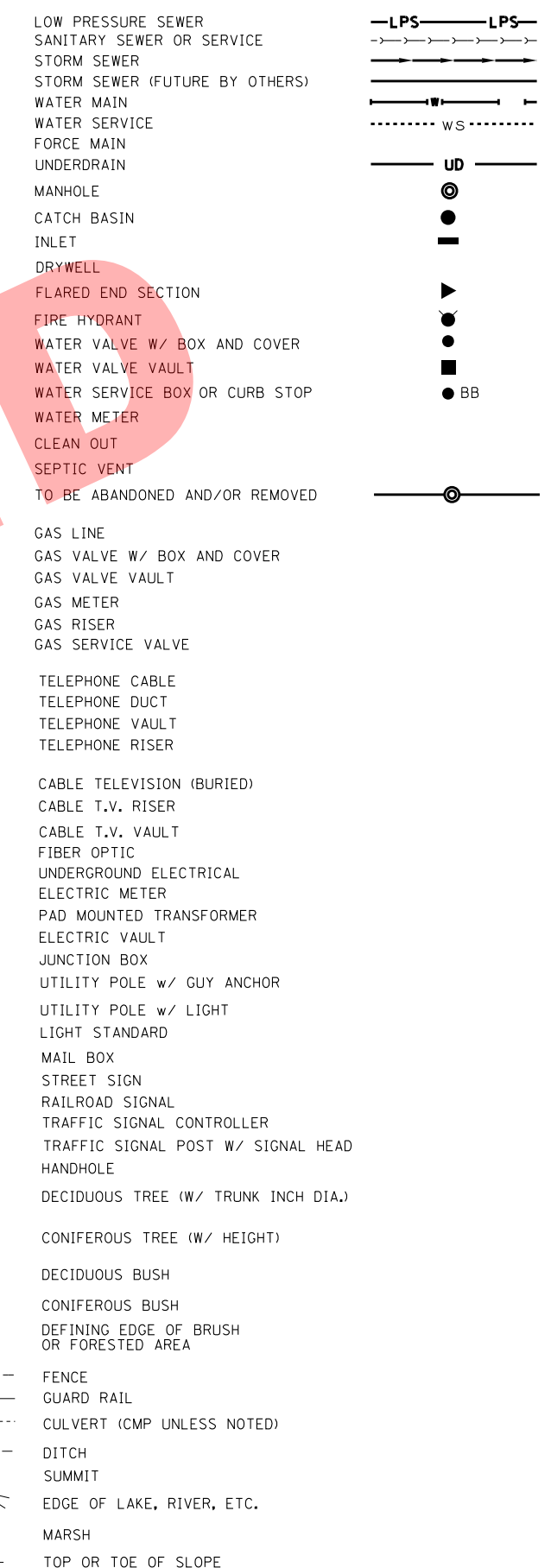
000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
424001-08	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
442101-07	CLASS B PATCHES
604001-04	FRAME AND LIDS TYPE 1
604051-04	FRAME AND GRATE TYPE 11
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-05	TRAFFIC CONTROL DEVICES

LEGEND

EXISTING



PROPOSED



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**VILLAGE OF VILLA PARK ILLINOIS
2016 NORTH PRINCETON AVENUE IMPROVEMENT PROJECT**

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

SCALE: NONE

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TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	N/A	DuPAGE	36	2
CONTRACT NO.				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

ITEM NUMBER	PAY ITEM	UNIT	TOTAL QUANTITY
1	TREE TRUNK PROTECTION	EACH	50
# * 2	TREE ROOT PRUNING	EACH	50
3	EARTH EXCAVATION	CU YD	1,653
4	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	1,238
# 5	TRENCH BACKFILL	CU YD	1,291
6	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	6,841
# 7	PARKWAY RESTORATION	SQ YD	3,322
8	PERIMETER EROSION BARRIER	FOOT	50
# 9	INLET FILTERS	EACH	11
# 10	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	721
11	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	1,580
12	AGGREGATE BASE COURSE, TYPE B 6"	SQ YD	7,746
13	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	1,574
14	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	777
15	BITUMINOUS MATERIALS (TACK COAT)	POUND	16,940

* SPECIALTY ITEM
SPECIAL PROVISION

ITEM NUMBER	PAY ITEM	UNIT	TOTAL QUANTITY
16	WELDED WIRE REINFORCEMENT	SQ YD	135
17	PROTECTIVE COAT	SQ YD	1,580
18	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	230
19	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	3,497
20	DETECTABLE WARNINGS	SQ FT	150
21	PAVEMENT REMOVAL	SQ YD	7,404
22	DRIVEWAY PAVEMENT REMOVAL	SQ YD	971
23	SIDEWALK REMOVAL	SQ FT	3,508
# 24	CLASS B PATCHES, 6 INCH	SQ YD	135
25	DOWEL BARS 1 1/2"	EACH	110
26	SAW CUTS	FOOT	288
27	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1, 12"	FOOT	29
# 28	FIRE HYDRANTS TO BE REMOVED	EACH	2
29	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	EACH	1
30	CATCH BASINS, TYPE C, TYPE 11 FRAME AND GRATE	EACH	1

* SPECIALTY ITEM
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**VILLAGE OF VILLA PARK ILLINOIS
2016 NORTH PRINCETON AVENUE IMPROVEMENT PROJECT**

SUMMARY OF QUANTITIES

SCALE: NONE STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	N/A		36	3
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	

SUMMARY OF QUANTITIES

ITEM NUMBER	PAY ITEM	UNIT	TOTAL QUANTITY
31	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1
32	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	EACH	1
# 33	VALVE VAULTS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1
34	FRAMES AND GRATES, TYPE 11	EACH	1
# 35	FRAMES AND GRATES (SPECIAL)	EACH	1
36	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	1
# 37	DUCTILE IRON WATER MAIN, OPEN CUT, 6"	FOOT	35
# 38	DUCTILE IRON WATER MAIN, OPEN CUT, 8"	FOOT	772
# 39	DUCTILE IRON WATER MAIN, OPEN CUT, RESTRAINED JOINT TYPE, 8"	FOOT	148
# 40	DUCTILE IRON WATER MAIN, OPEN CUT, RESTRAINED JOINT TYPE, 10"	FOOT	66
# 41	CONNECTION TO EXISTING WATER MAIN (NON-PRESSURE), 4"	EACH	1
# 42	CONNECTION TO EXISTING WATER MAIN (NON-PRESSURE), 8"	EACH	1
# 43	CONNECTION TO EXISTING WATER MAIN (NON-PRESSURE), 10"	EACH	1
# 44	WATER VALVE, 8"	EACH	1
# 45	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX	EACH	4

* SPECIALTY ITEM
SPECIAL PROVISION

ITEM NUMBER	PAY ITEM	UNIT	TOTAL QUANTITY
# 46	WATER SERVICE REPLACEMENT, 1" LONG	EACH	16
# 47	WATER SERVICE REPLACEMENT, 1" SHORT	EACH	17
# 48	WATER MAIN ABANDONMENT	EACH	2
# 49	VALVE BOXES TO BE REMOVED	EACH	1
# 50	SANITARY SEWER SERVICE CONNECTION	EACH	10
# 51	SANITARY SEWER PIPE, PVC SDR 26 ASTM D-2241, 6"	FOOT	214
# 52	SANITARY SEWER PIPE, PVC SDR 26 ASTM D-2241, 10"	FOOT	50
# 53	SANITARY SEWER MANHOLES, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2
# 54	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (SPECIAL)	FOOT	3,349
55	NON-SPECIAL WASTE DISPOSAL	CU YD	50
56	SOIL DISPOSAL ANALYSIS	EACH	1
* 57	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	278
* 58	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	120
* 59	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	77
# 60	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 4"	SQ YD	905

* SPECIALTY ITEM
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	N/A		36	4
CONTRACT NO.				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

ITEM NUMBER	PAY ITEM	UNIT	TOTAL QUANTITY
61	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	67
62	CONSTRUCTION LAYOUT	L SUM	1
# 63	DRAINAGE & UTILITY STRUCTURES TO BE ADJUSTED	EACH	8
# 64	DUST CONTROL WATERING	UNIT	42
# 65	STORM SEWER (WATER MAIN REQUIREMENTS) 18 INCH	FOOT	15
# 66	REMOVE AND REINSTALL BRICK PAVER	SQ FT	198
# 67	EXPLORATION TRENCH, SPECIAL	EACH	10
# 68	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	46
# 69	TEMPORARY ACCESS (ROAD)	EACH	7
# 70	SANITARY MANHOLES TO BE ADJUSTED	EACH	5
# 71	VALVE VAULTS TO BE REMOVED	EACH	1
# 72	TRAFFIC CONTROL AND PROTECTION	L SUM	1
# 73	PRECONSTRUCTION VIDEO RECORDING	L SUM	1
# 74	PVC PIPE DRAINS, SDR 26 ASTM D-2241, 6"	FOOT	50
# 75	CONTINGENCY ALLOWANCE	DOLLARS	30,000

* SPECIALTY ITEM
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	N/A	DuPAGE	36	5
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
CONTRACT NO.				

PAVEMENT SCHEDULE						
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	3,349					
SIDEWALK	3,542					
HMA DRIVEWAY, 4"		905				
PCC DRIVEWAY, 6"	230					
PAVEMENT AREA		6841	6841	1574	6841	807

INLET FILTER SCHEDULE		
STA	SIDE	INLET FILTERS
10+21	RT	X
10+55	RT	X
10+61	LT	X
10+66	RT	X
16+58	RT	X
16+59	LT	X
26+15	LT	X
26+27	LT	X
26+27	RT	X
32+14	LT	X
32+15	RT	X
TOTAL		11

ADJUSTMENT SCHEDULE			
DRAINAGE & UTILITY STRUCTURES TO BE ADJUSTED		SANITARY MANHOLES TO BE ADJUSTED	
STA	LT/RT	STA	LT/RT
10+21	RT	10+38	RT
10+61	LT	16+35	RT
16+07	LT	22+40	RT
24+29	LT	32+10	RT
26+15	LT	32+16	RT
26+27	RT		
32+14	LT		
32+14	RT		
TOTAL	8	TOTAL	5

REPLACEMENT SCHEDULE		
DRAINAGE & UTILITY STRUCTURES TO BE REPLACED		
STA	LT/RT	TYPE
16+39	LT	INLETS, TYPE A, TYPE 11 FRAME AND GRATE
16+59	LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE
26+27	LT	CATCH BASINS, TYPE C, TYPE 11 FRAME AND GRATE
26+28	RT	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID
SANITARY MANHOLES TO BE REPLACED		
STA	LT/RT	TYPE
26+69	RT	SANITARY SEWER MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID
29+15	RT	SANITARY SEWER MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID

EARTH EXCAVATION SCHEDULE				
STATION	EARTH EXCAVATION	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE	EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)
	CU YD	CU YD	CU YD	CU YD
11+00	67.3	50.5	0.0	50.5
11+50	59.7	44.8	0.0	44.8
12+00	56.1	42.1	0.8	41.2
12+50	62.2	46.7	1.0	45.7
13+00	67.7	50.8	1.2	49.5
13+50	68.3	51.2	1.6	49.6
14+00	71.9	53.9	0.8	53.1
14+50	74.3	55.8	0.8	55.0
15+00	69.2	51.9	0.5	51.4
15+50	68.0	51.0	0.6	50.4
16+00	91.2	68.4	0.6	67.8
16+54	76.7	57.5	2.9	54.6
17+00	67.1	50.3	3.6	46.8
17+50	64.8	48.6	1.9	46.7
18+00	62.0	46.5	1.5	45.0
18+50	59.7	44.8	0.0	44.8
19+00	58.2	43.6	1.7	41.9
19+50	55.4	41.5	5.0	36.5
20+00	55.6	41.7	5.1	36.6
20+50	55.5	41.6	3.6	38.0
21+00	52.2	39.2	6.3	32.9
21+50	54.9	41.2	7.3	33.9
22+00	29.2	21.9	1.6	20.4
23+00	20.1	15.1	0.3	14.8
23+50	56.3	42.2	0.4	41.8
24+00	54.8	41.1	1.2	39.9
24+50	53.7	40.3	6.5	33.8
25+00	49.9	37.5	6.5	30.9
25+50	50.9	38.2	1.2	36.9
26+00	59.0	44.3	0.7	43.6
26+50	59.8	44.9	1.1	43.7
27+00	49.7	37.3	2.5	34.7
27+50	45.0	33.8	3.9	29.9
28+00	48.1	36.1	2.6	33.5
28+50	53.5	40.1	0.8	39.3
29+00	56.3	42.2	0.0	42.2
29+50	48.6	36.4	0.0	36.4
30+00	39.5	29.6	2.0	27.7
30+50	43.8	32.9	2.0	30.9
31+00	49.6	37.2	0.0	37.2
31+50	49.3	37.0	3.6	33.3
32+00	49.2	36.9	5.3	31.6
32+30	29.7	22.3	2.0	20.3
TOTAL	2414.0	1810.5	91.1	1719.4

TREE SCHEDULE			
STA	SIDE	TREE TRUNK PROTECTION	TREE ROOT PRUNING
10+83	LT	X	X
11+33	LT	X	X
11+97	LT	X	X
12+46	LT	X	X
12+90	LT	X	X
13+46	LT	X	X
13+97	LT	X	X
14+44	LT	X	X
14+84	LT	X	X
15+61	LT	X	X
16+81	LT	X	X
17+42	LT	X	X
17+68	LT	X	X
17+97	LT	X	X
18+47	LT	X	X
18+92	LT	X	X
19+54	LT	X	X
20+03	LT	X	X
20+04	LT	X	X
20+52	LT	X	X
21+05	LT	X	X
21+54	LT	X	X
23+11	RT	X	X
23+18	LT	X	X
23+63	RT	X	X
23+76	LT	X	X
24+52	RT	X	X
24+99	RT	X	X
25+03	RT	X	X
25+56	RT	X	X
25+71	RT	X	X
26+05	LT	X	X
26+10	RT	X	X
26+61	RT	X	X
26+62	LT	X	X
27+20	RT	X	X
27+64	RT	X	X
28+05	RT	X	X
28+06	LT	X	X
28+62	RT	X	X
28+66	LT	X	X
29+10	RT	X	X
29+17	LT	X	X
30+09	RT	X	X
30+17	LT	X	X
30+53	LT	X	X
30+63	RT	X	X
30+74	LT	X	X
31+09	LT	X	X
31+26	RT	X	X
TOTAL		50	50

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	REMOVE AND REINSTALL BRICK PAVER SQ YD	TEMPORARY ACCESS (PRIVATE ENTRANCE) EACH	
52 TERRACE ST	11+58	L	PE	33		35.8		1	
344 N PRINCETON AVE	12+18	L	PE	19	21.4			1	
348 N PRINCETON AVE	12+67	L	PE	16.7		21.8		1	
364/404 N PRINCETON AVE	13+26	L	PE	45.8		48.7		1	
408 N PRINCETON AVE	14+13	L	PE	24.6		31.9		1	
412 N PRINCETON AVE	14+66	L	PE	23.2	25.2			1	
416 N PRINCETON AVE	15+09	L	PE	27.1		30.6		1	
428 N PRINCETON AVE	17+28	L	PE	18.6	21.1			1	
436 N PRINCETON AVE	18+15	L	PE	19	22.5			1	
442 N PRINCETON AVE	18+67	L	PE	15.1	19			1	
446 N PRINCETON AVE	19+15	L	PE	22.9		28.6		1	
450 N PRINCETON AVE	19+36	L	PE	26.6		30.3		1	
454 N PRINCETON AVE	19+81	L	PE	16.3		20.8		1	
502 N PRINCETON AVE	20+31	L	PE	13.4		21.7		1	
506 N PRINCETON AVE	20+82	L	PE	18.1		22.7		1	
510 N PRINCETON AVE	21+30	L	PE	18.8		21.8		1	
528 N PRINCETON AVE	24+16	L	CO	29.6	30.2			1	
529 N PRINCETON AVE	24+24	R	PE	24.2		32.4		1	
532 N PRINCETON AVE	24+38	L	PE	18.2		22.6		1	
533 N PRINCETON AVE	24+75	R	PE	21.8		26.3		1	
536 N PRINCETON AVE	25+23	L	PE	18.3		22.8		1	
537 N PRINCETON AVE	25+26	R	PE	15.1		20.3		1	
540 N PRINCETON AVE	25+44	L	PE	19.6		24.7		1	
541/545 N PRINCETON AVE	25+83	R	PE	37.9		39.9		1	
544 N PRINCETON AVE	25+90	L	PE	16		20.2		1	
548 N PRINCETON AVE	26+43	L	PE	18.8	23.5			1	
549 N PRINCETON AVE	26+76	R	PE	19		23.1		1	
552 N PRINCETON AVE	26+88	L	PE	19.3		21.5		1	
553 N PRINCETON AVE	26+94	R	PE	19.6		22.6		1	
557 N PRINCETON AVE	27+43	R	PE	17		21.6		1	
558 N PRINCETON AVE	27+75	L	PE	18		21.5		1	
560 N PRINCETON AVE	27+93	L	PE	18		21.6		1	
561 N PRINCETON AVE	28+27	R	PE	18.8	19.6			1	
600 N PRINCETON AVE	28+40	L	PE	22			21.9	1	
601 N PRINCETON AVE	28+43	R	PE	15.6		18.6		1	
605 N PRINCETON AVE	28+88	R	PE	15		18.6		1	
604 N PRINCETON AVE	28+89	L	PE	17.2	24.4			1	
608 N PRINCETON AVE	29+40	L	PE	20.5		25.1		1	
609 N PRINCETON AVE	29+43	R	PE	19.7		24.8		1	
615 N PRINCETON AVE	29+90	R	PE	21		26.8		1	
612 N PRINCETON AVE	29+92	L	PE	20.9		25.4		1	
620 N PRINCETON AVE	30+40	L	PE	18.8		24.2		1	
623 N PRINCETON AVE	30+45	R	PE	19.4	22.6			1	
627 N PRINCETON AVE	30+96	R	PE	23.5		27.5		1	
626 N PRINCETON AVE	31+28	L	PE	17.4		21.9		1	
630 N PRINCETON AVE	31+73	L	PE	16.8		20.1		1	
30 W RIDGE ROAD	32+55	R	PE	15.6		15.9		1	
TOTALS				970.8	229.5	904.7	21.9	46	

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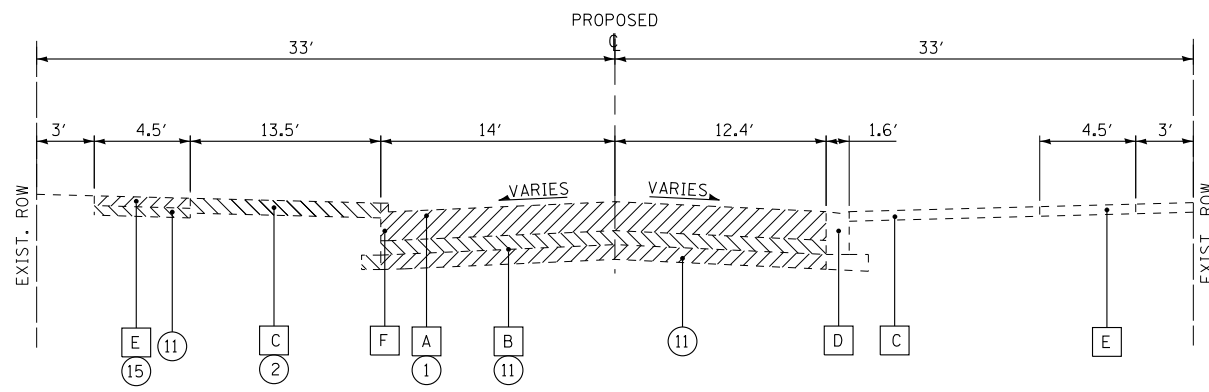
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**VILLAGE OF VILLA PARK ILLINOIS
2016 NORTH PRINCETON AVENUE IMPROVEMENT PROJECT**

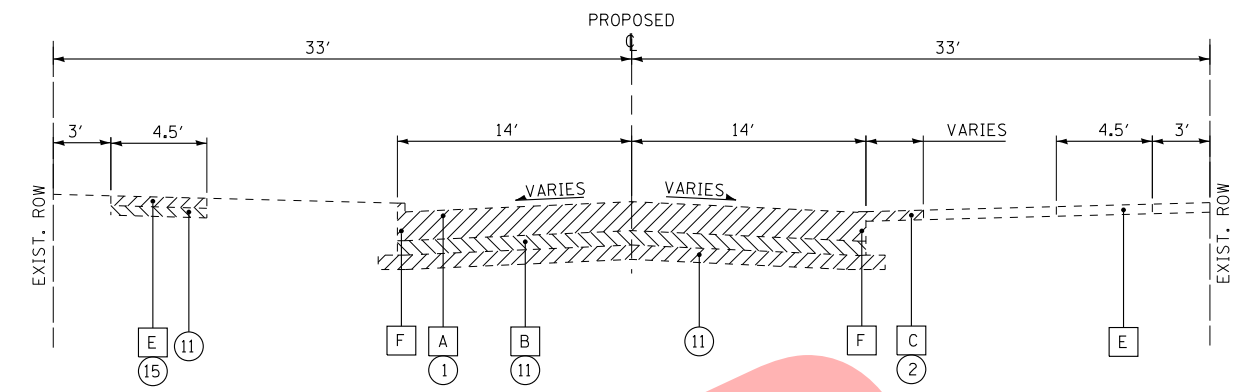
SCHEDULE OF QUANTITIES

SCALE: NONE STA. TO STA.

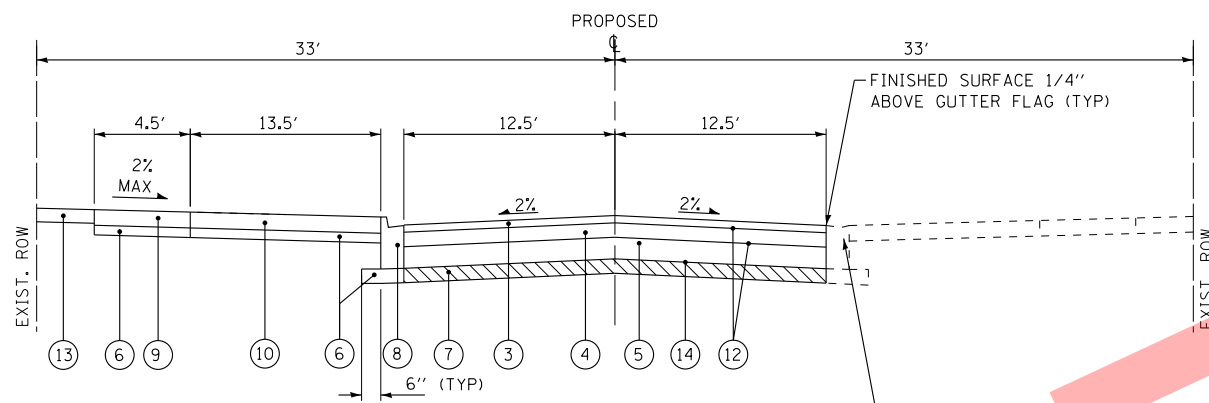
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FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO.	



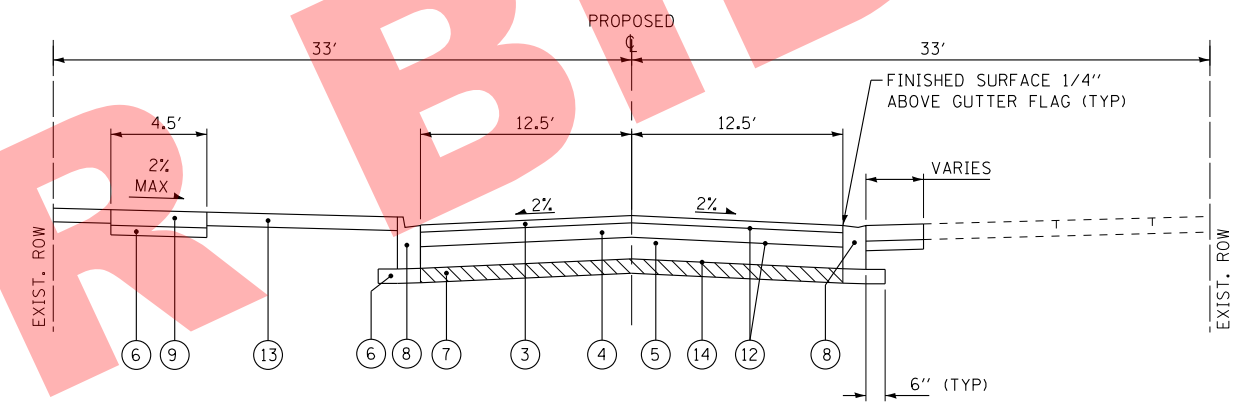
EXISTING TYPICAL SECTION
N. PRINCETON AVENUE
STA 10+47 TO STA 22+97



EXISTING TYPICAL SECTION
N. PRINCETON AVENUE
STA 22+97 TO STA 32+29



PROPOSED TYPICAL SECTION
N. PRINCETON AVENUE
STA 10+47 TO STA 22+97



PROPOSED TYPICAL SECTION
N. PRINCETON AVENUE
STA 22+97 TO STA 32+29

EXISTING LEGEND

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

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, TYPE B, 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 (AS DETERMINED BY THE ENGINEER)
- 11 EARTH EXCAVATION
- 12 BITUMINOUS MATERIALS PRIME COAT
- 13 PARKWAY RESTORATION (AS DETERMINED BY THE ENGINEER)
- 14 GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- 15 SIDEWALK REMOVAL (AS DETERMINED BY THE ENGINEER)

NOTES:

1. 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 UNSUITABLE 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.

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE TYPE	AIR VOIDS @ Ndes
PAVEMENT RECONSTRUCTION	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5mm)	4% @ 50 Gyr.
HOT-MIX ASPHALT BINDER COURSE IL-19.0, N50	4% @ 50 Gyr.
DRIVEWAYS	
HMA DRIVEWAY SURFACE, 1.5" (HMA SURFACE, MIX "D", N50)	4% @ 50 Gyr.
HOT-MIX ASPHALT BINDER COURSE, 2.5" IL-19.0, N50	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.

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DATE - 11/06/15	FILE - 14151SHT-TypSec.dgn

VILLAGE OF VILLA PARK ILLINOIS
2016 NORTH PRINCETON AVENUE IMPROVEMENT PROJECT

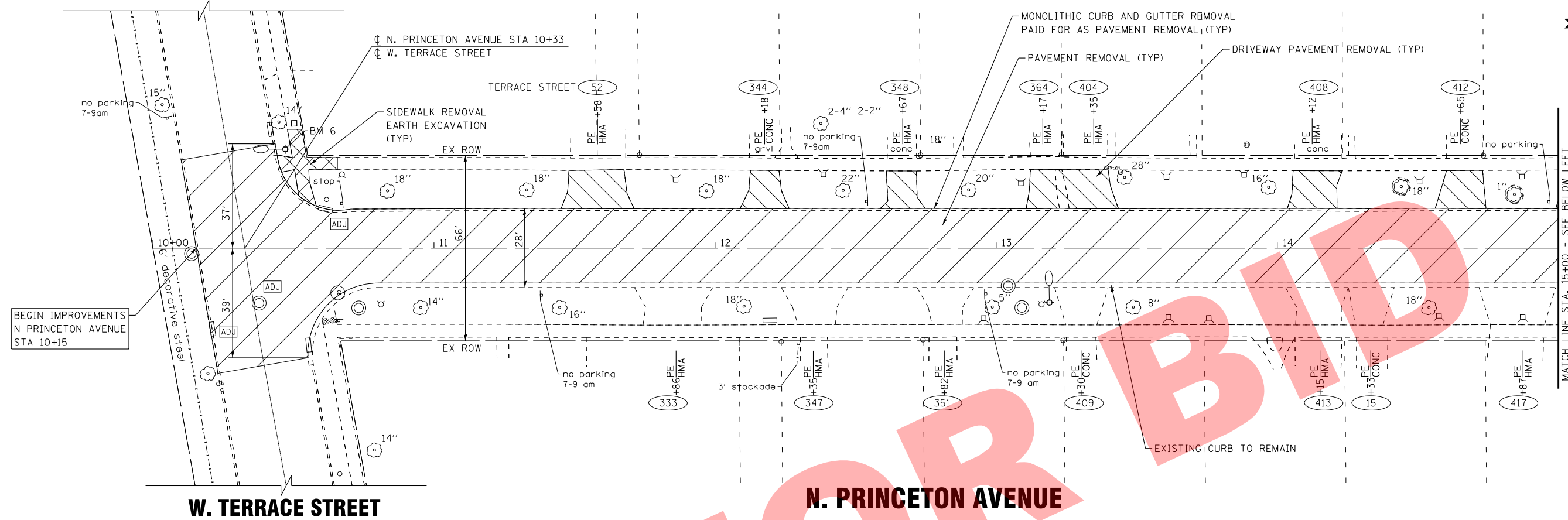
TYPICAL SECTIONS AND HMA MIXTURE REQUIREMENTS

SCALE: NONE

STA. TO STA.

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

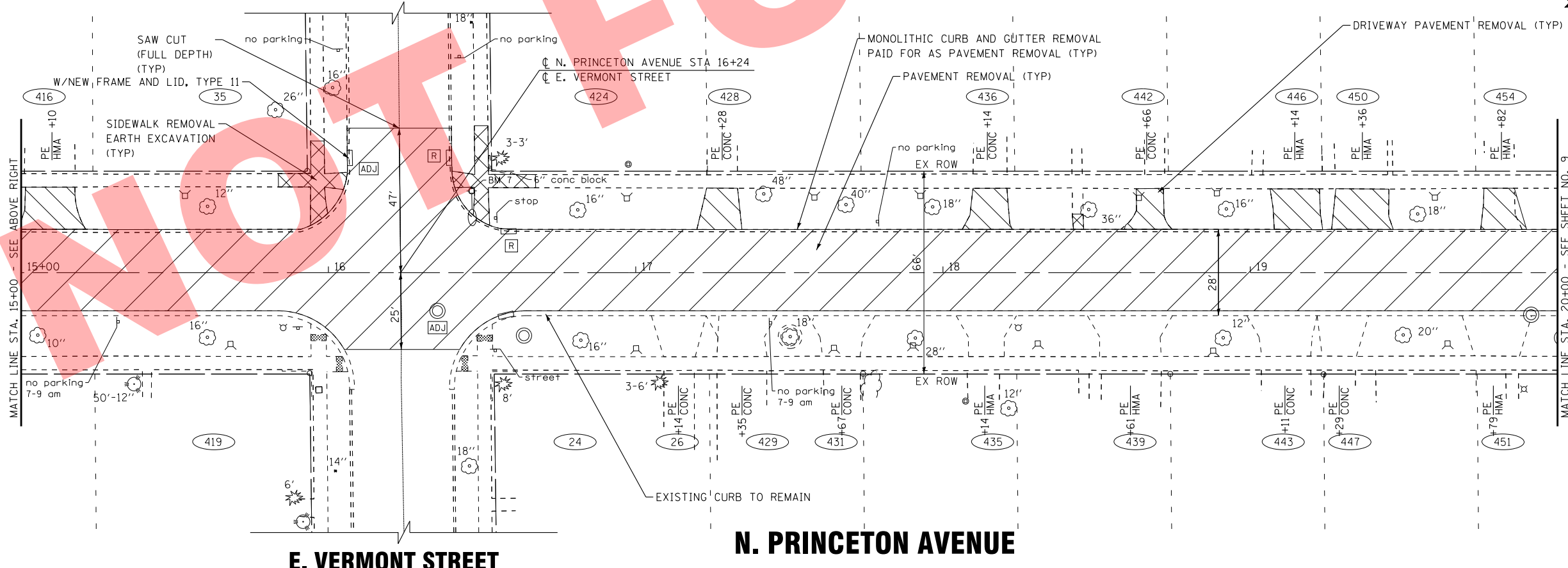
W. TERRACE STREET



W. TERRACE STREET

N. PRINCETON AVENUE

E. VERMONT STREET



E. VERMONT STREET

N. PRINCETON AVENUE

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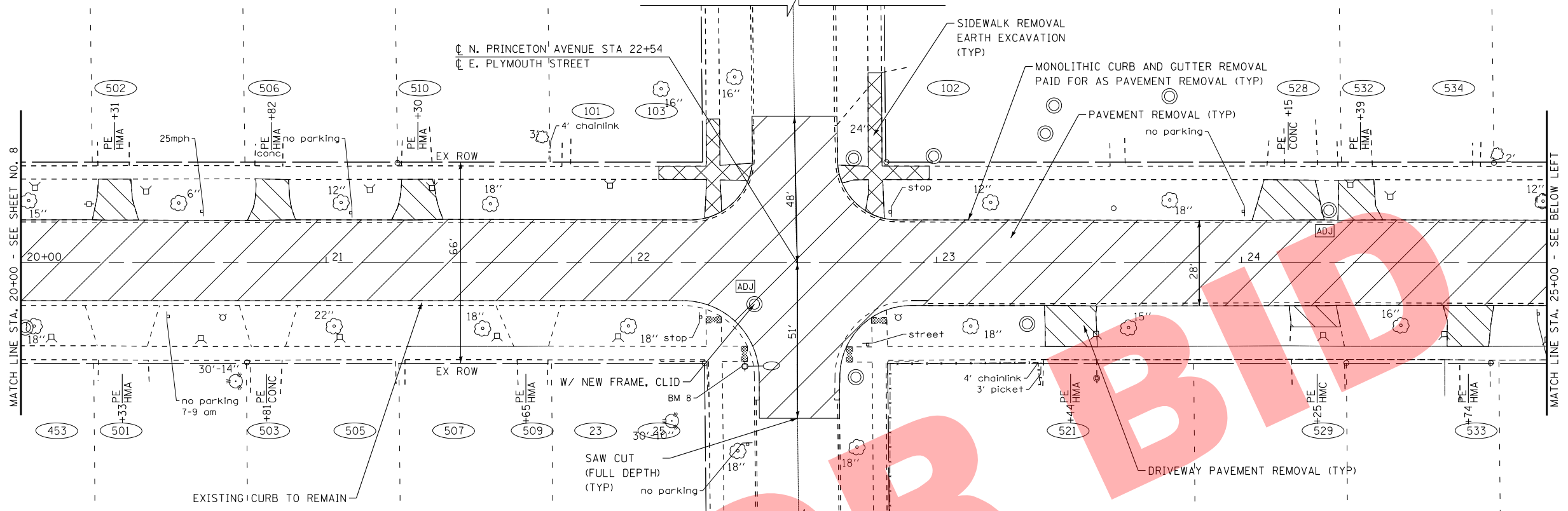
VILLAGE OF VILLA PARK ILLINOIS
2016 NORTH PRINCETON AVENUE IMPROVEMENT PROJECT

REMOVAL PLAN
N. PRINCETON AVENUE

SCALE: 1" = 20'
 STA. 10+00 TO STA. 20+00

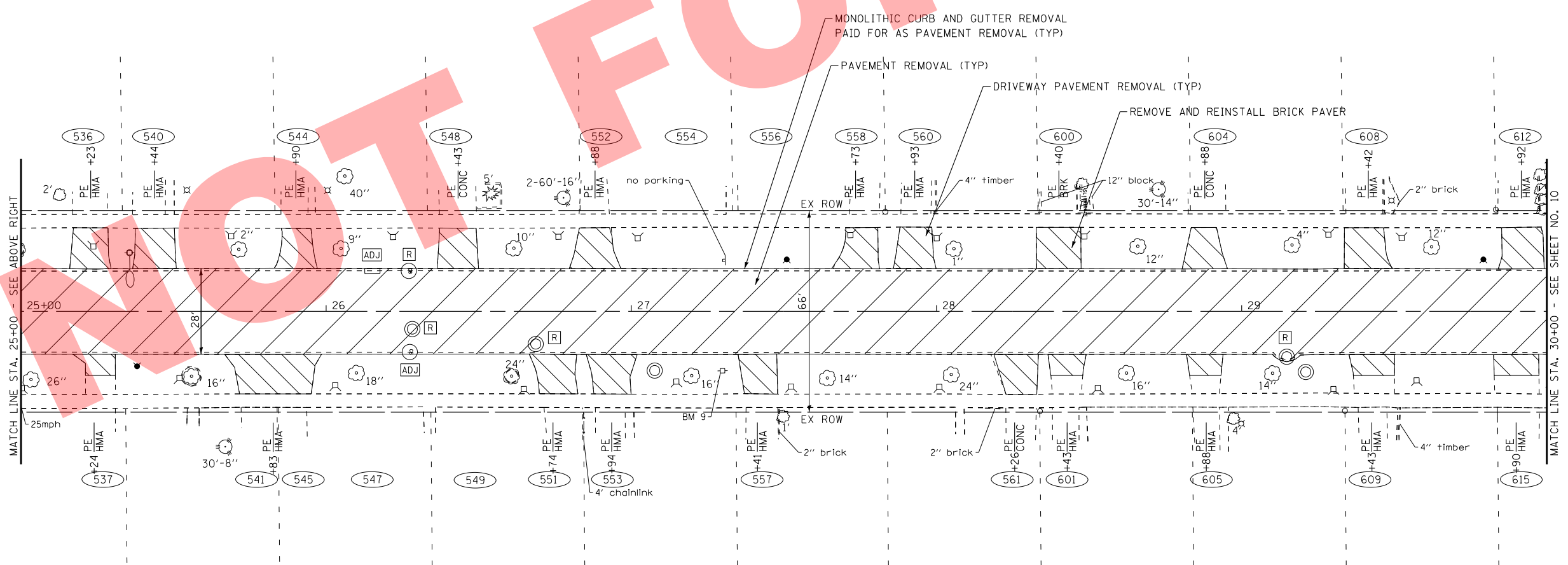
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N/A	N/A	DuPAGE	36	8
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO.	

E. PLYMOUTH STREET



N. PRINCETON AVENUE

E. PLYMOUTH STREET



N. PRINCETON AVENUE

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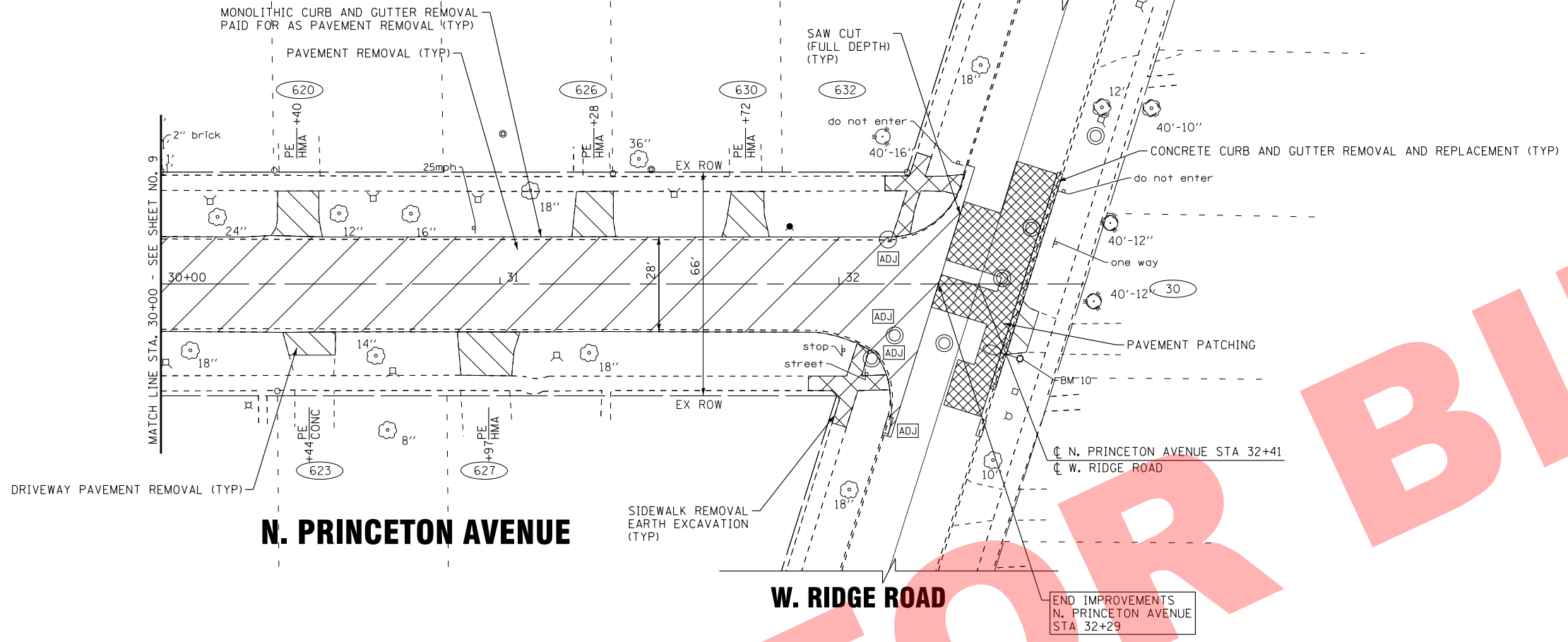
**VILLAGE OF VILLA PARK ILLINOIS
2016 NORTH PRINCETON AVENUE IMPROVEMENT PROJECT**

**REMOVAL PLAN
N. PRINCETON AVENUE**

SCALE: 1" = 20'
STA. 20+00 TO STA. 30+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	N/A	DuPAGE	36	9
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	

W. RIDGE ROAD



N. PRINCETON AVENUE

W. RIDGE ROAD

NOT FOR BID

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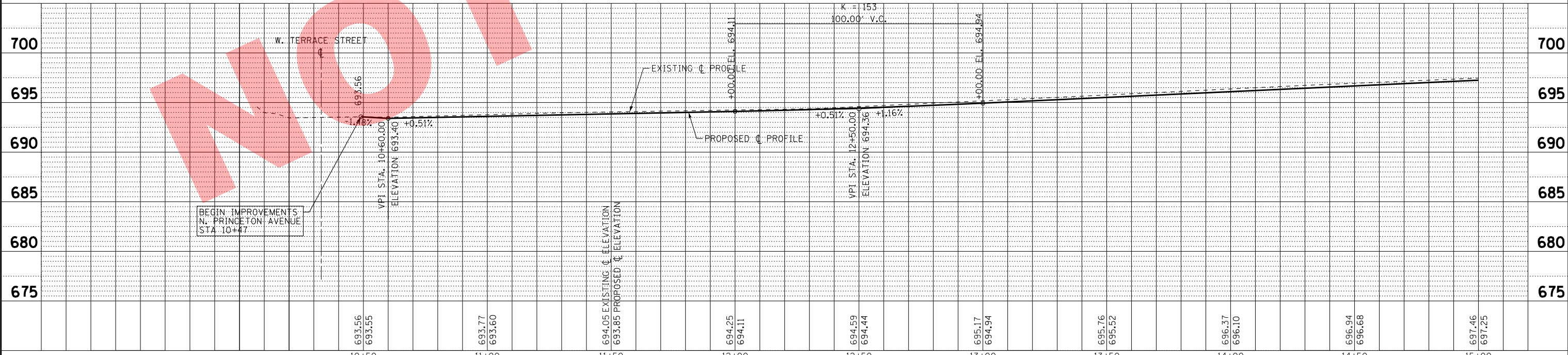
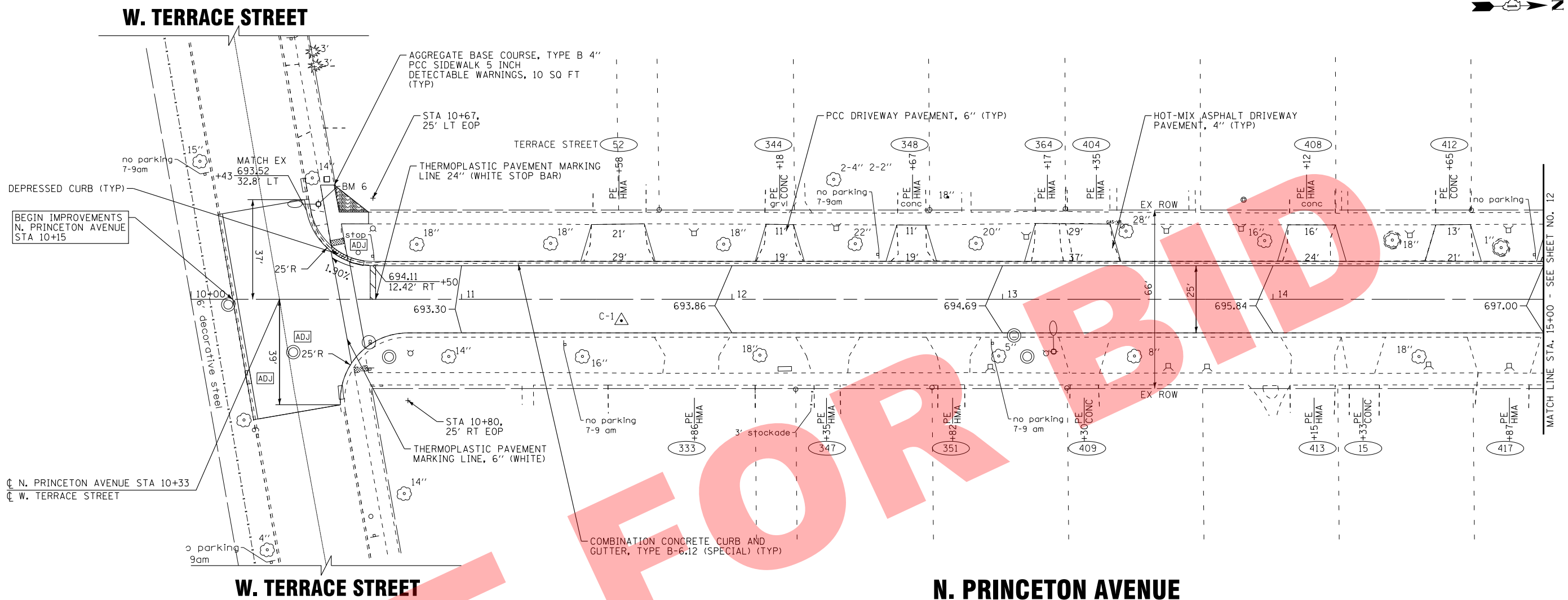
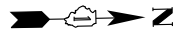
VILLAGE OF VILLA PARK ILLINOIS
2016 NORTH PRINCETON AVENUE IMPROVEMENT PROJECT

REMOVAL PLAN
N. PRINCETON AVENUE

SCALE: 1" = 20'

STA. 30+00 TO STA. 32+41

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

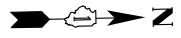


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	CHECKED - TMS	REVISED -
	DATE - 11/06/15	FILE - 141151SHT-PP1.dgn

VILLAGE OF VILLA PARK, ILLINOIS
2016 NORTH PRINCETON AVENUE IMPROVEMENT PROJECT

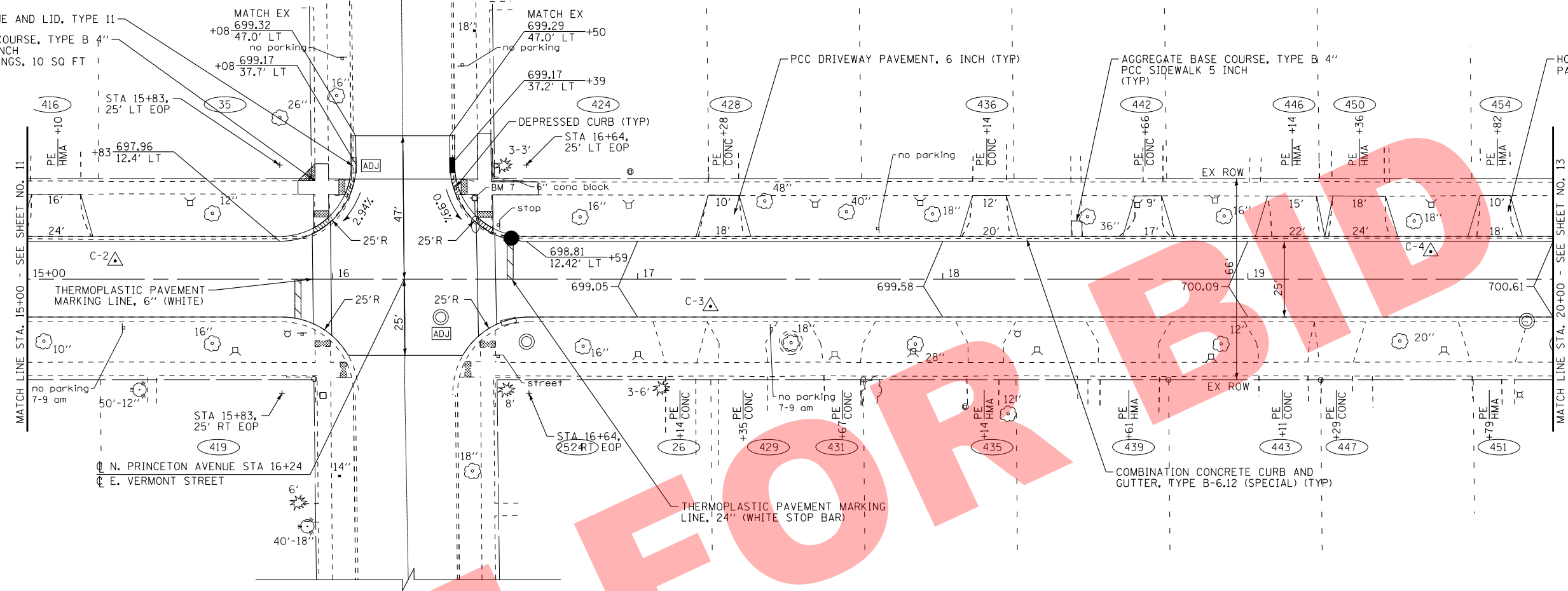
PLAN AND PROFILE	
N. PRINCETON AVENUE	
SCALE: H: 1"=20' V: 1"=5'	STA. 10+00 TO STA. 15+00

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



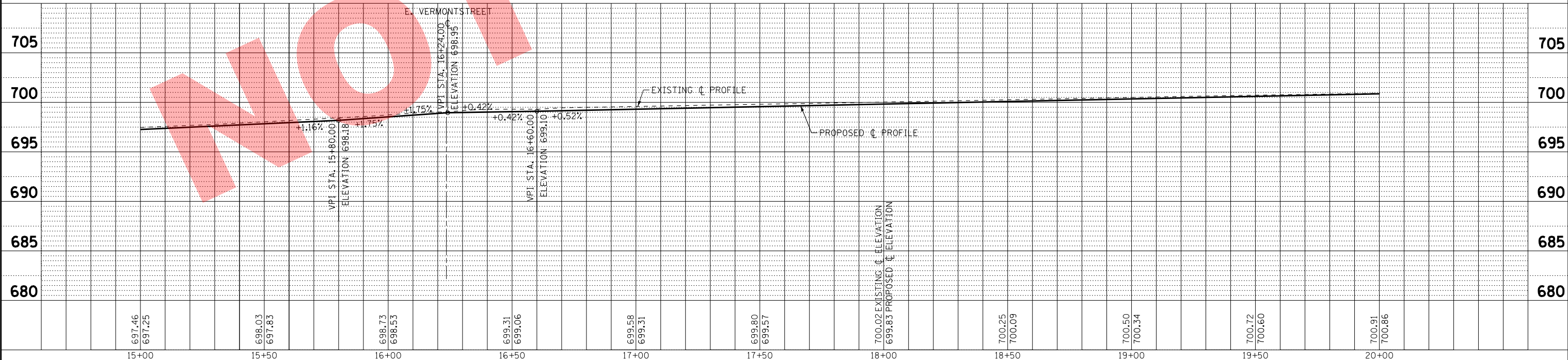
E. VERMONT STREET

W/NEW FRAME AND LID, TYPE 11
 AGGREGATE BASE COURSE, TYPE B 4"
 PCC SIDEWALK 5 INCH
 DETECTABLE WARNINGS, 10 SQ FT (TYP)



E. VERMONT STREET

N. PRINCETON AVENUE



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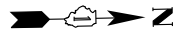
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VILLAGE OF VILLA PARK, ILLINOIS
2016 NORTH PRINCETON AVENUE IMPROVEMENT PROJECT

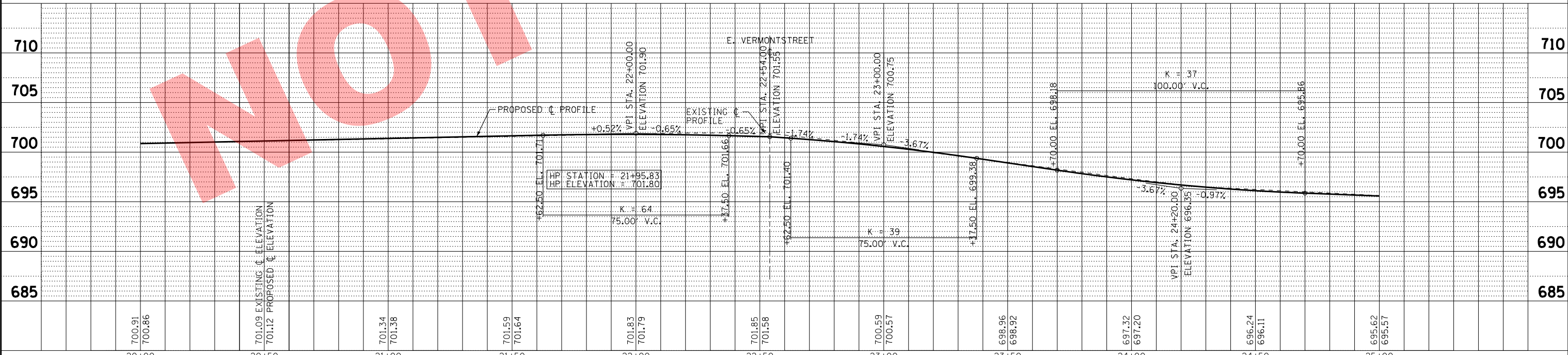
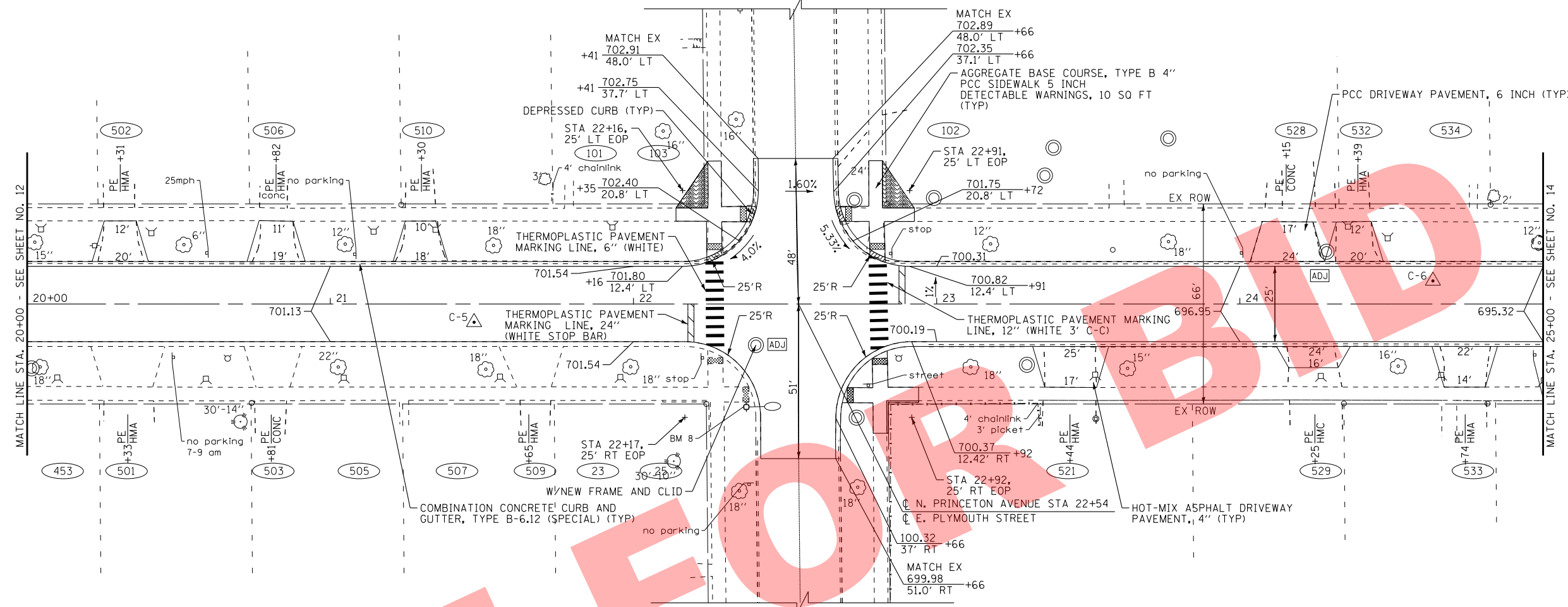
PLAN AND PROFILE
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SCALE: H: 1"=20' V: 1"=5'
 STA. 15+00 TO STA. 20+00

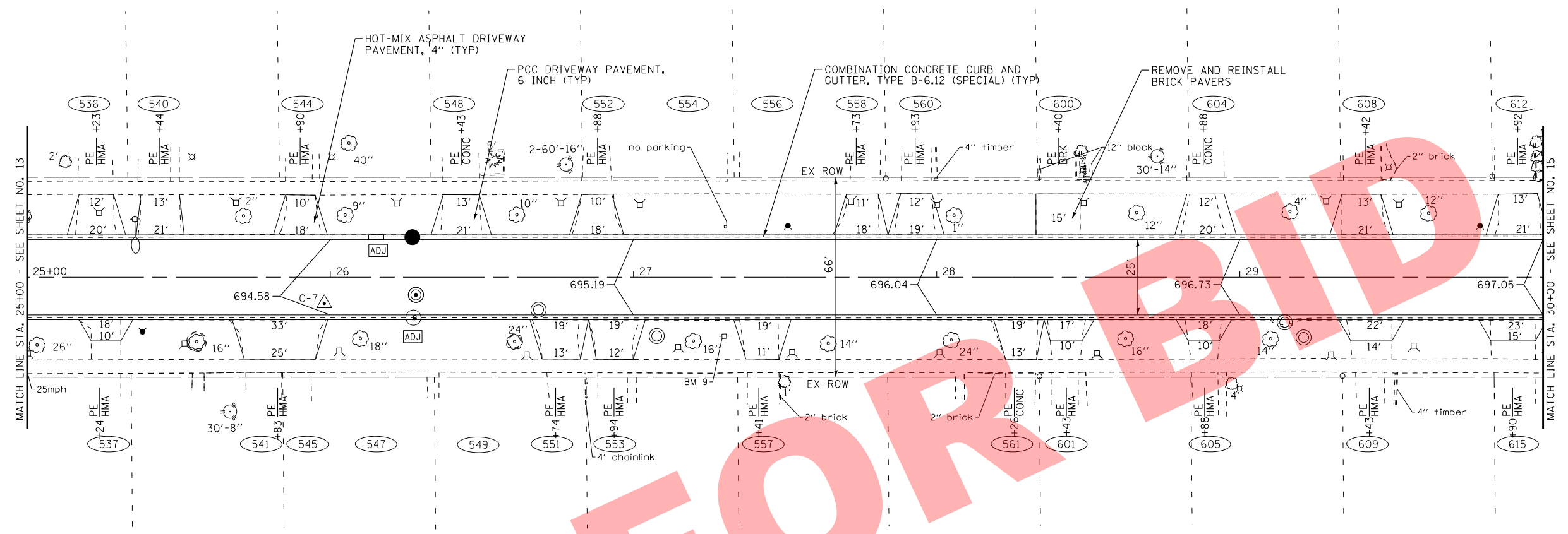
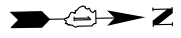
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FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



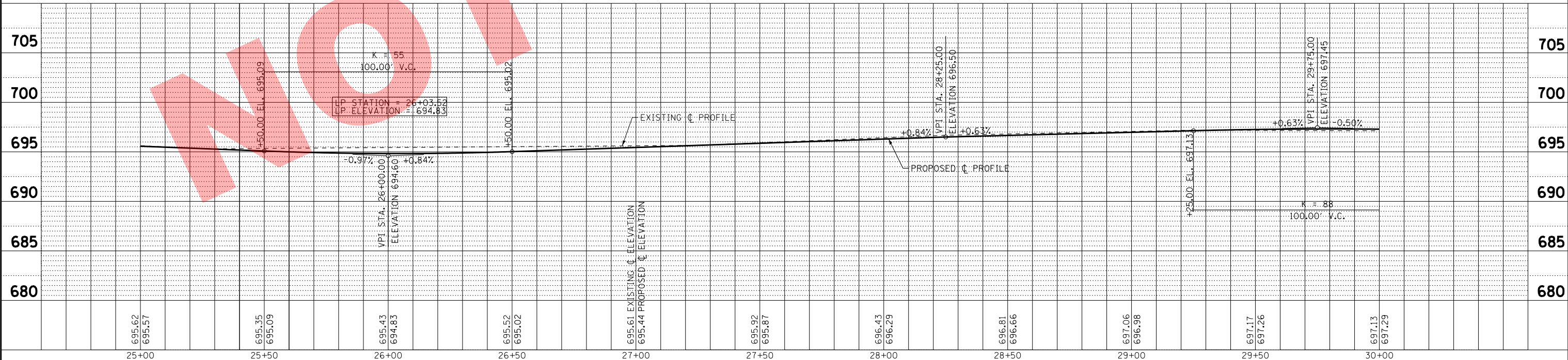
E. PLYMOUTH STREET



BAXTER & WOODMAN Consulting Engineers	DESIGNED - JDM	REVISED -	VILLAGE OF VILLA PARK, ILLINOIS 2016 NORTH PRINCETON AVENUE IMPROVEMENT PROJECT	PLAN AND PROFILE N. PRINCETON AVENUE		F.A. RT.:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - KAR	REVISED -		N/A	N/A	DUPAGE	36	13		
CHECKED - TMS	REVISED -	SCALE: H: 1"=20' V: 1"=5'		STA. 20+00	TO STA. 25+00	CONTRACT NO.		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		
DATE - 11/06/15	FILE - 141151SHT-PP3.dgn									



N. PRINCETON AVENUE



Station	Existing Elevation	Proposed Elevation
25+00	695.62	695.57
25+50	695.35	695.09
26+00	695.43	694.83
26+50	695.52	695.02
27+00	695.61	695.44
27+50	695.92	695.87
28+00	696.43	696.29
28+50	696.81	696.66
29+00	697.06	696.98
29+50	697.17	697.26
30+00	697.13	697.29

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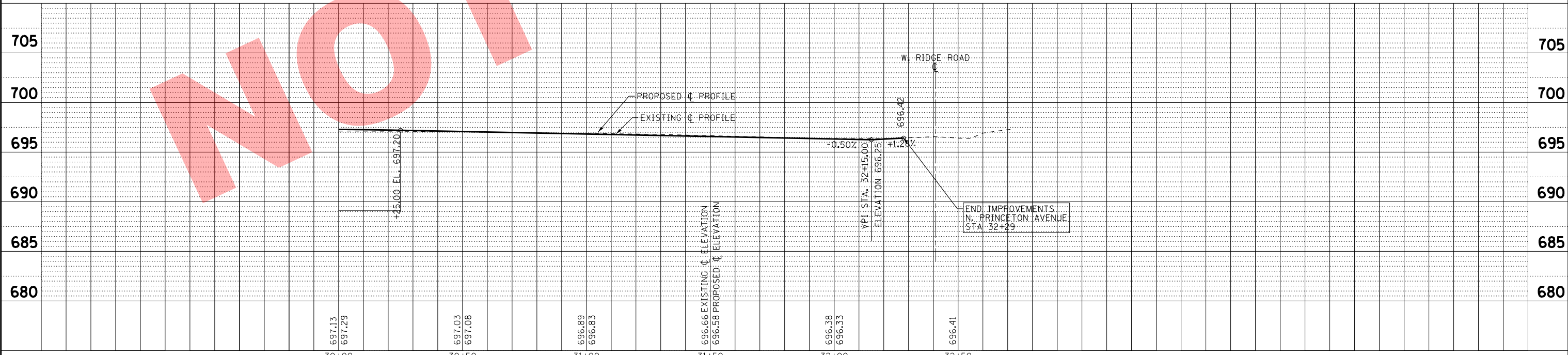
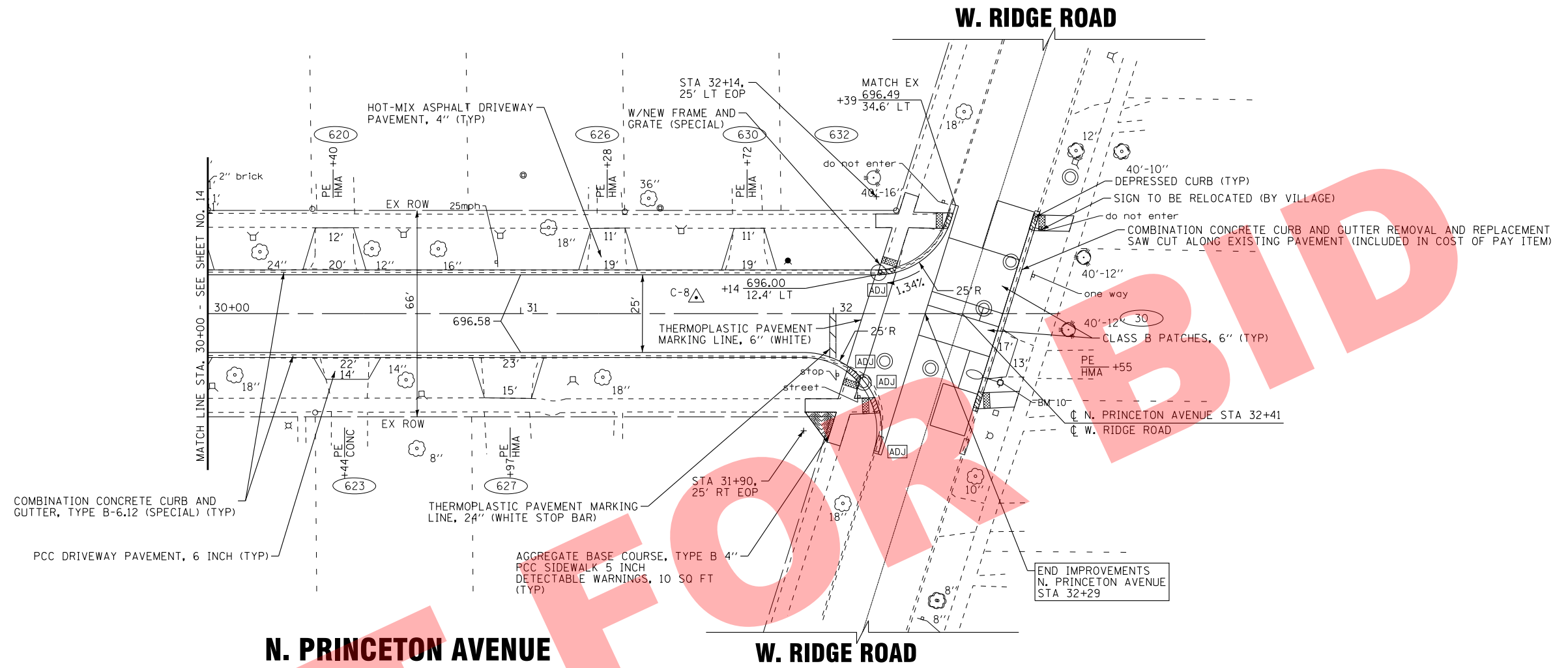
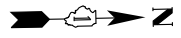


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DATE - 11/06/15	FILE - 141151SHT-PP4.dgn

**VILLAGE OF VILLA PARK, ILLINOIS
2016 NORTH PRINCETON AVENUE IMPROVEMENT PROJECT**

PLAN AND PROFILE N. PRINCETON AVENUE	
SCALE: H: 1"=20' V: 1"=5'	STA. 25+00 TO STA. 30+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	N/A	DuPAGE	36	14
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	



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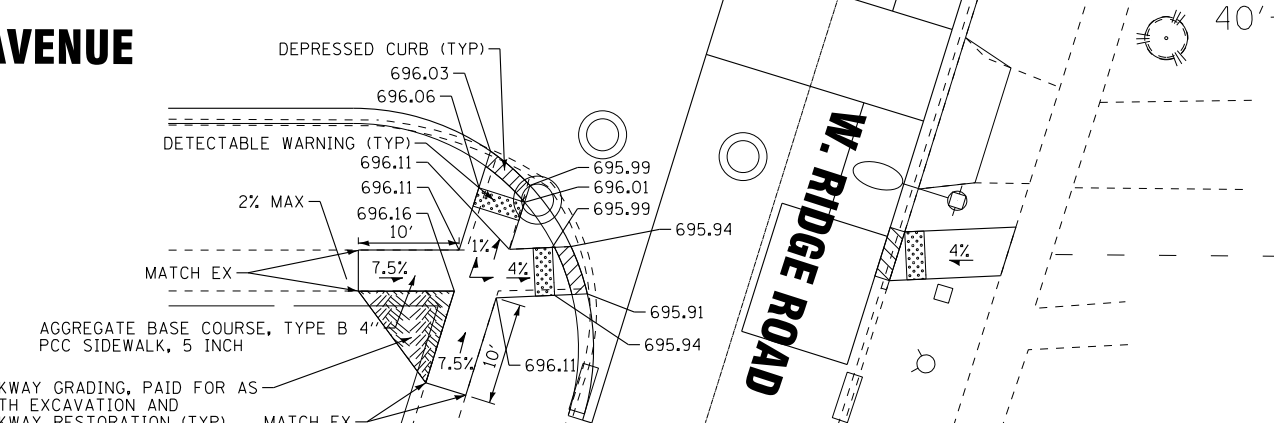
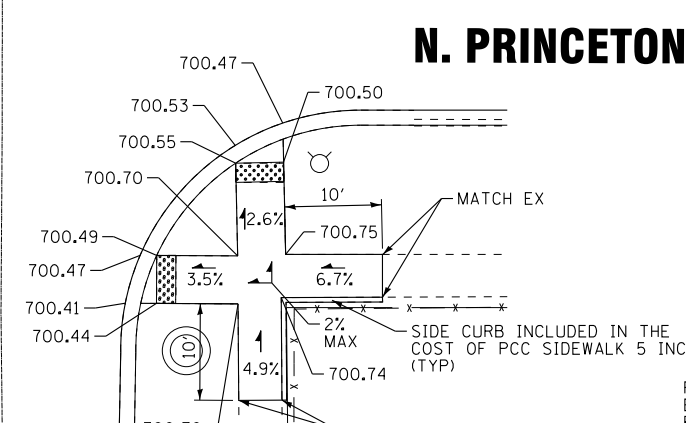
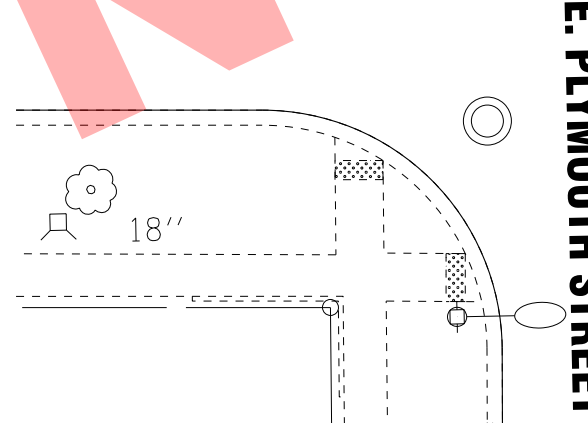
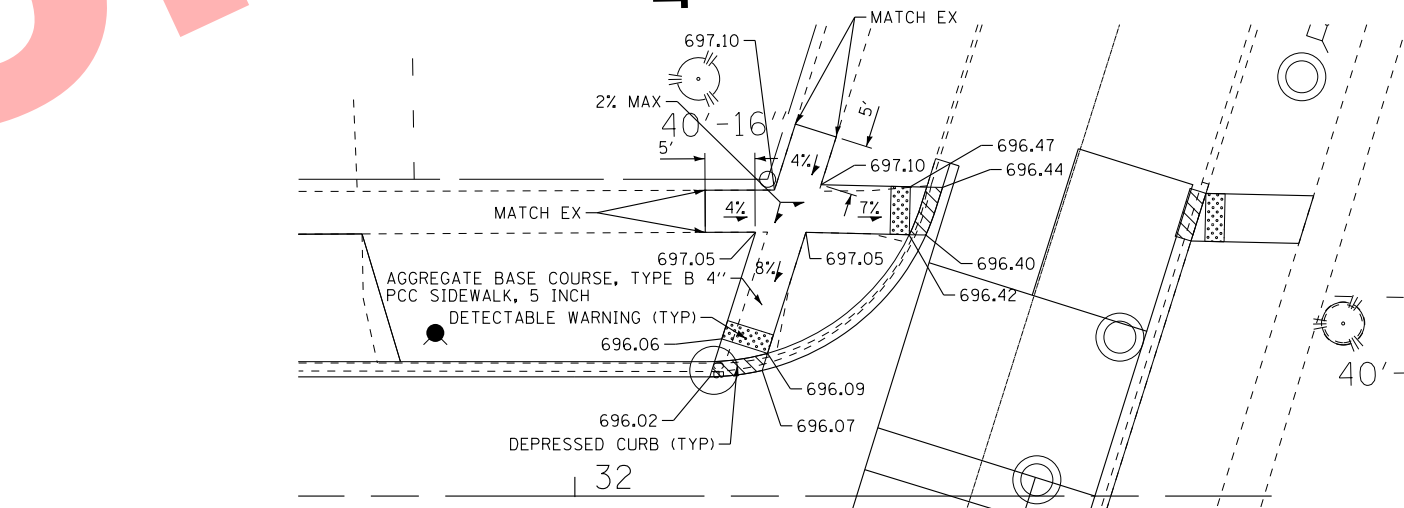
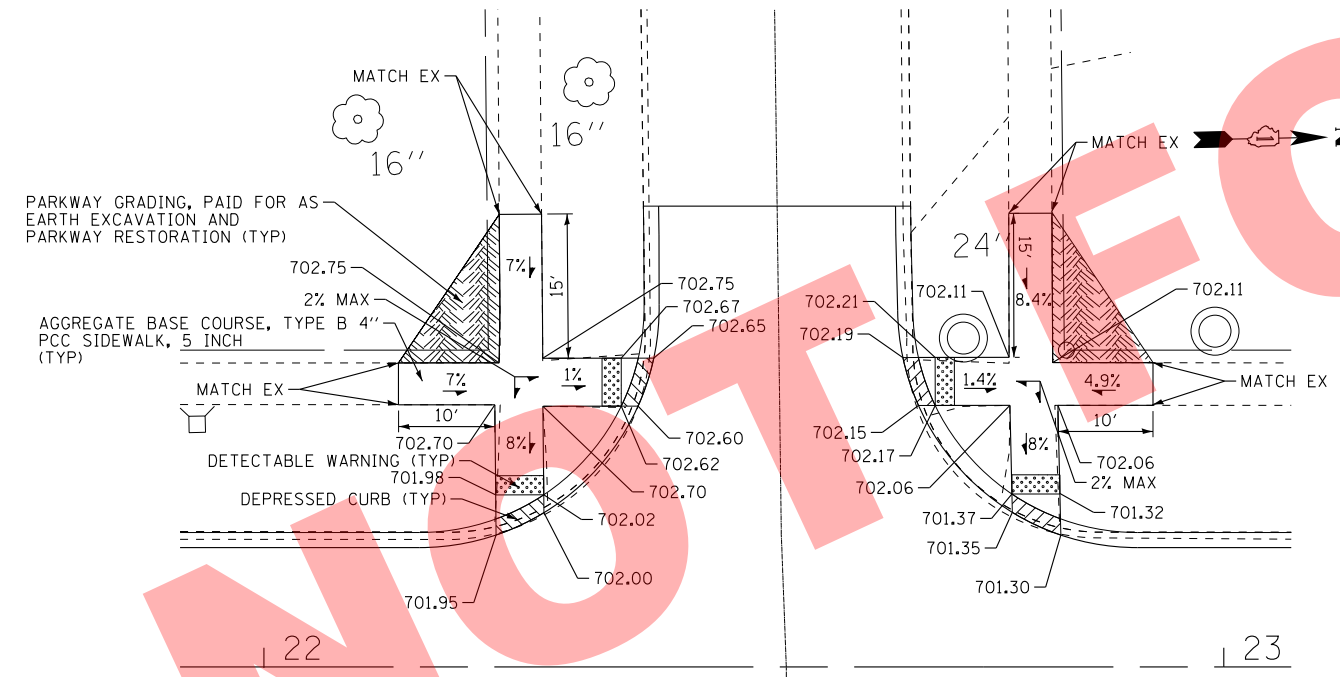
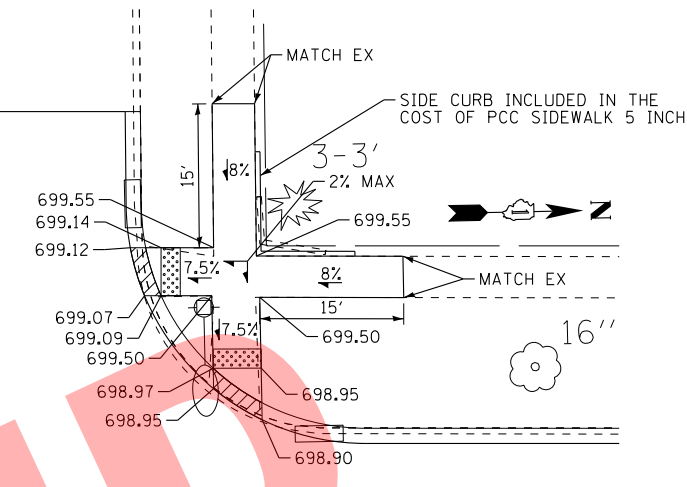
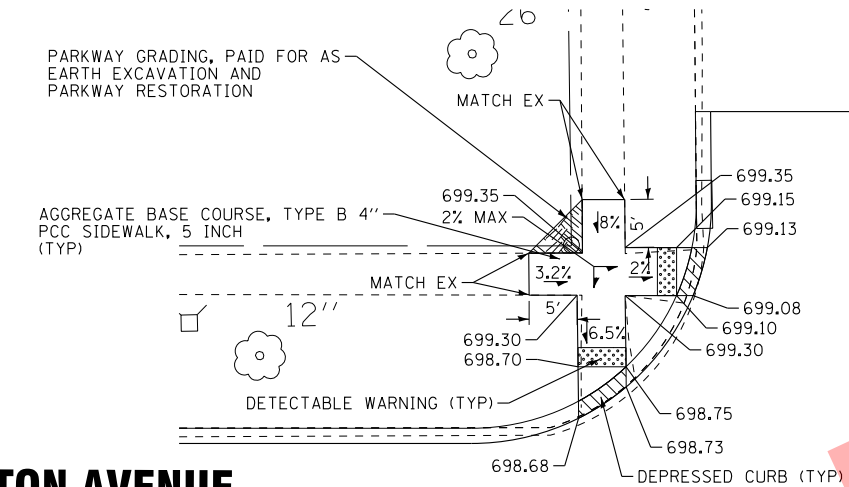
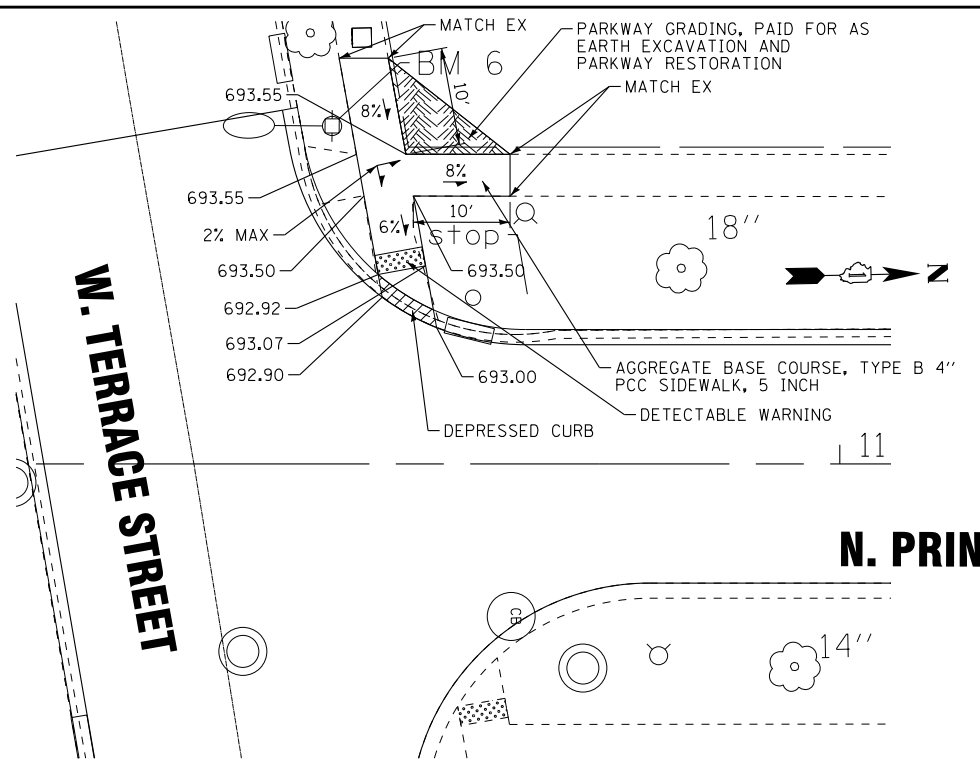
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DRAWN - KAR	REVISED -
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DATE - 11/06/15	FILE - 141151SHT-PP5.dgn

VILLAGE OF VILLA PARK, ILLINOIS
2016 NORTH PRINCETON AVENUE IMPROVEMENT PROJECT

PLAN AND PROFILE
N. PRINCETON AVENUE

SCALE: H: 1"=20' V: 1"=5'
 STA. 30+00 TO STA. 32+41

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	N/A	DuPAGE	36	15
CONTRACT NO.				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



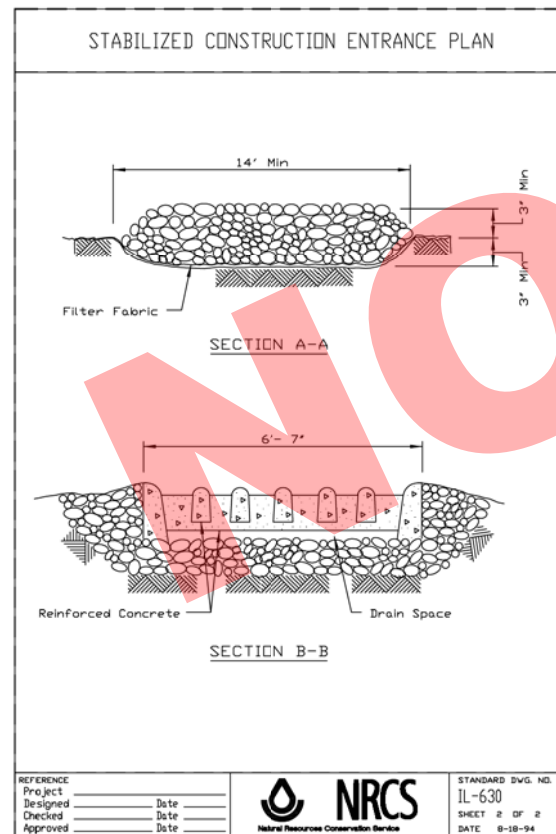
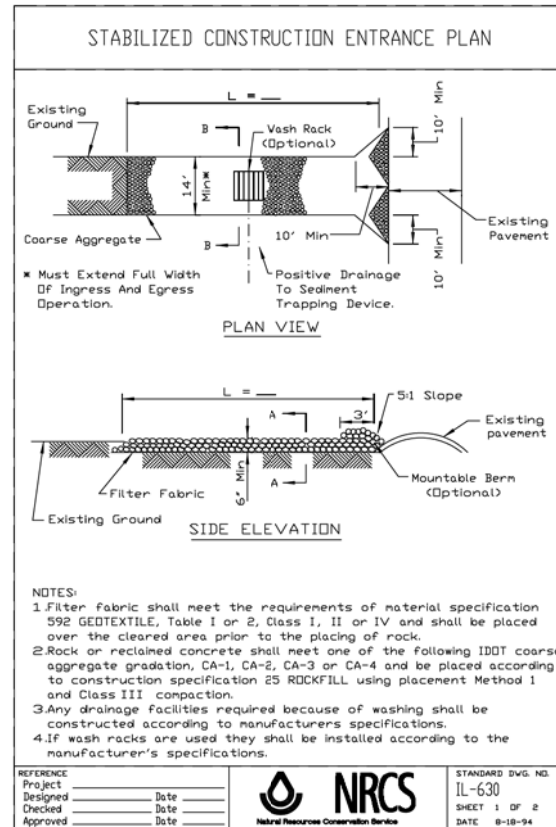
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**VILLAGE OF VILLA PARK ILLINOIS
2016 NORTH PRINCETON AVENUE IMPROVEMENT PROJECT**

SIDEWALK DETAILS	
SCALE: 1" = 10'	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	N/A	DuPAGE	36	16
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



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 VILLAGE. 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 5/16 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 MEASURES 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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DATE - 11/06/15	FILE - 141151SHT-EC NOTES.dgn

VILLAGE OF VILLA PARK ILLINOIS
2016 NORTH PRINCETON AVENUE IMPROVEMENT PROJECT

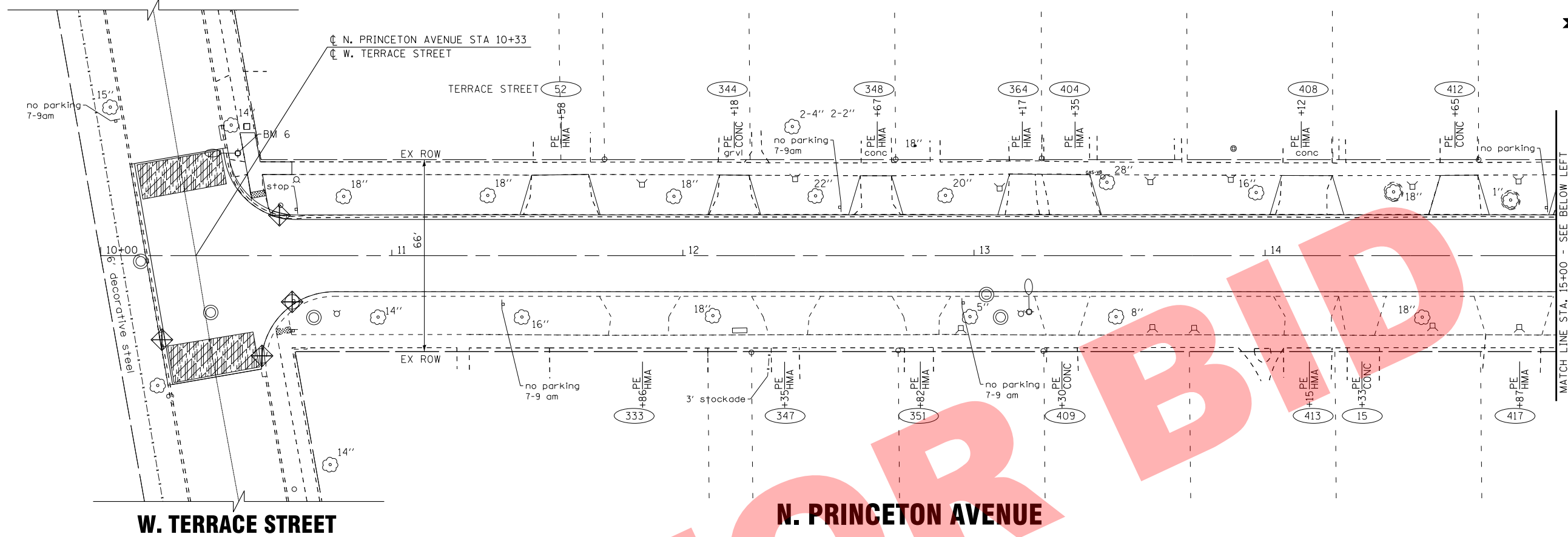
EROSION AND SEDIMENT CONTROL NOTES

SCALE: NONE

STA. TO STA.

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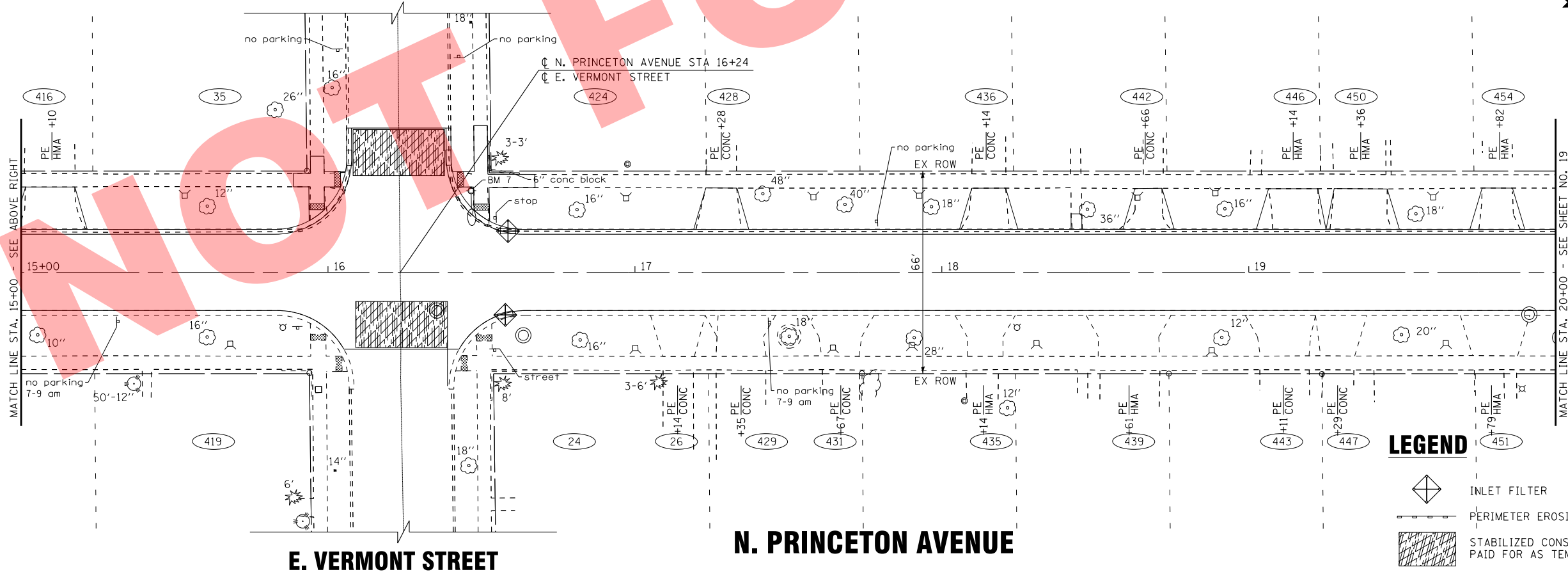
W. TERRACE STREET



W. TERRACE STREET

N. PRINCETON AVENUE

E. VERMONT STREET



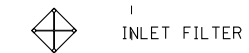
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MATCH LINE STA. 20+00 - SEE SHEET NO. 19

E. VERMONT STREET

N. PRINCETON AVENUE

LEGEND



INLET FILTER



PERIMETER EROSION BARRIER



STABILIZED CONSTRUCTION ENTRANCE
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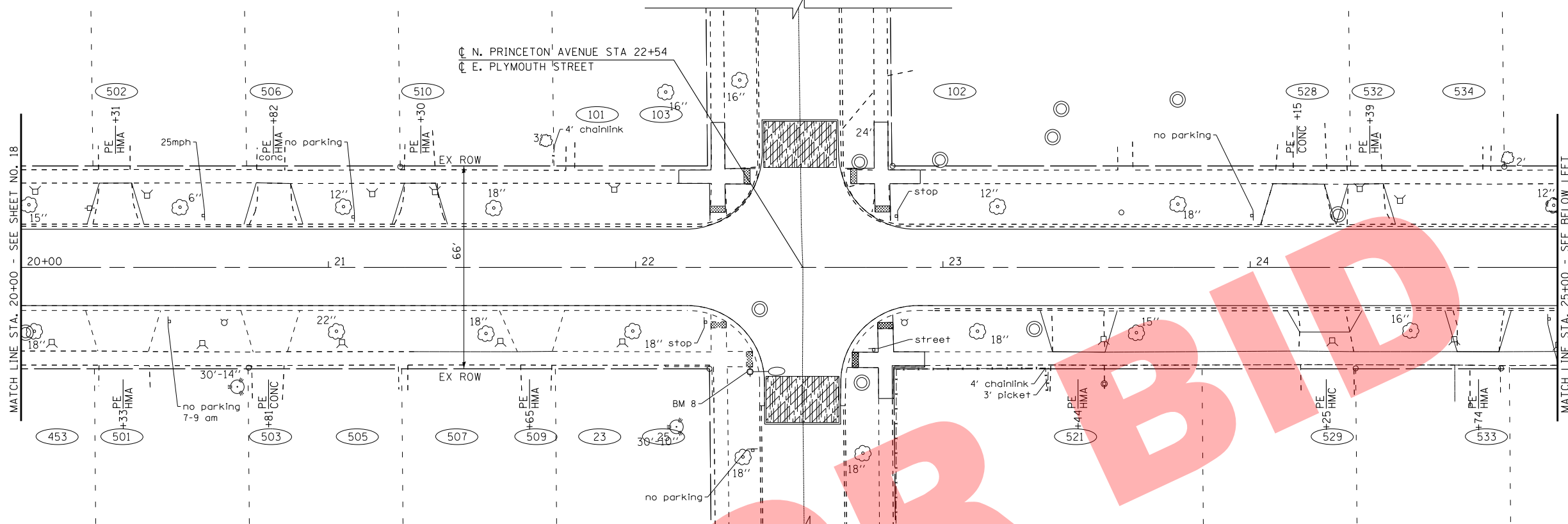
**VILLAGE OF VILLA PARK ILLINOIS
2016 NORTH PRINCETON AVENUE IMPROVEMENT PROJECT**

**EROSION CONTROL PLAN
N. PRINCETON AVENUE**

SCALE: 1" = 20'
STA. 10+00 TO STA. 20+00

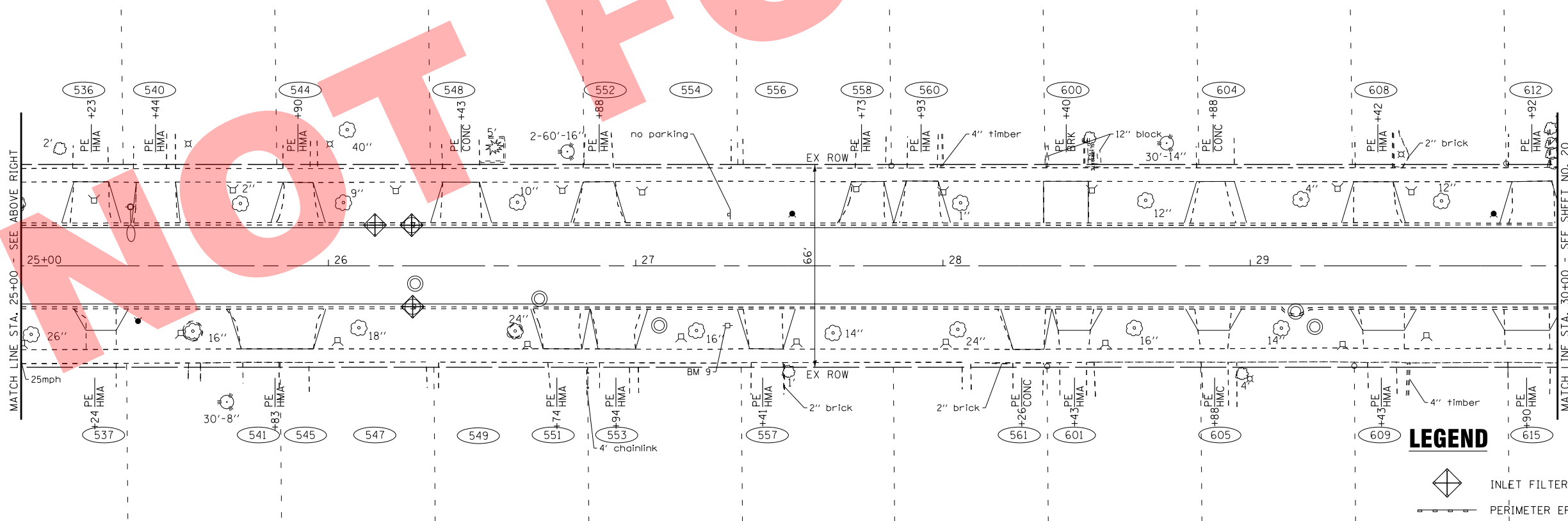
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E. PLYMOUTH STREET






N. PRINCETON AVENUE

E. PLYMOUTH STREET



N. PRINCETON AVENUE

LEGEND

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

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**VILLAGE OF VILLA PARK ILLINOIS
2016 NORTH PRINCETON AVENUE IMPROVEMENT PROJECT**

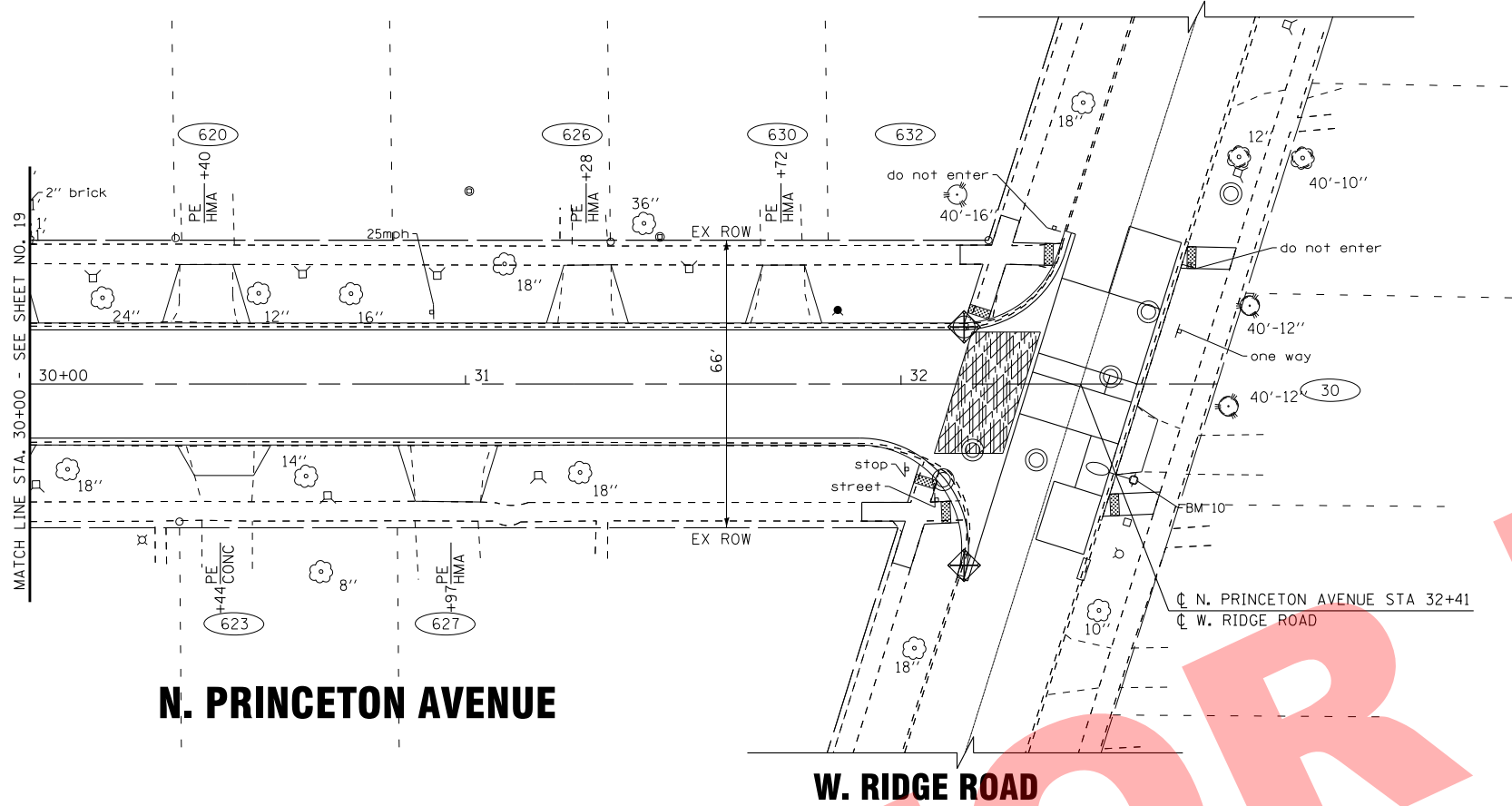
**EROSION CONTROL PLAN
N. PRINCETON AVENUE**

SCALE: 1" = 20'

STA. 20+00 TO STA. 30+00

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

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


N. PRINCETON AVENUE

W. RIDGE ROAD

NOT FOR BID

LEGEND

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

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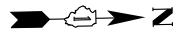
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**VILLAGE OF VILLA PARK ILLINOIS
2016 NORTH PRINCETON AVENUE IMPROVEMENT PROJECT**

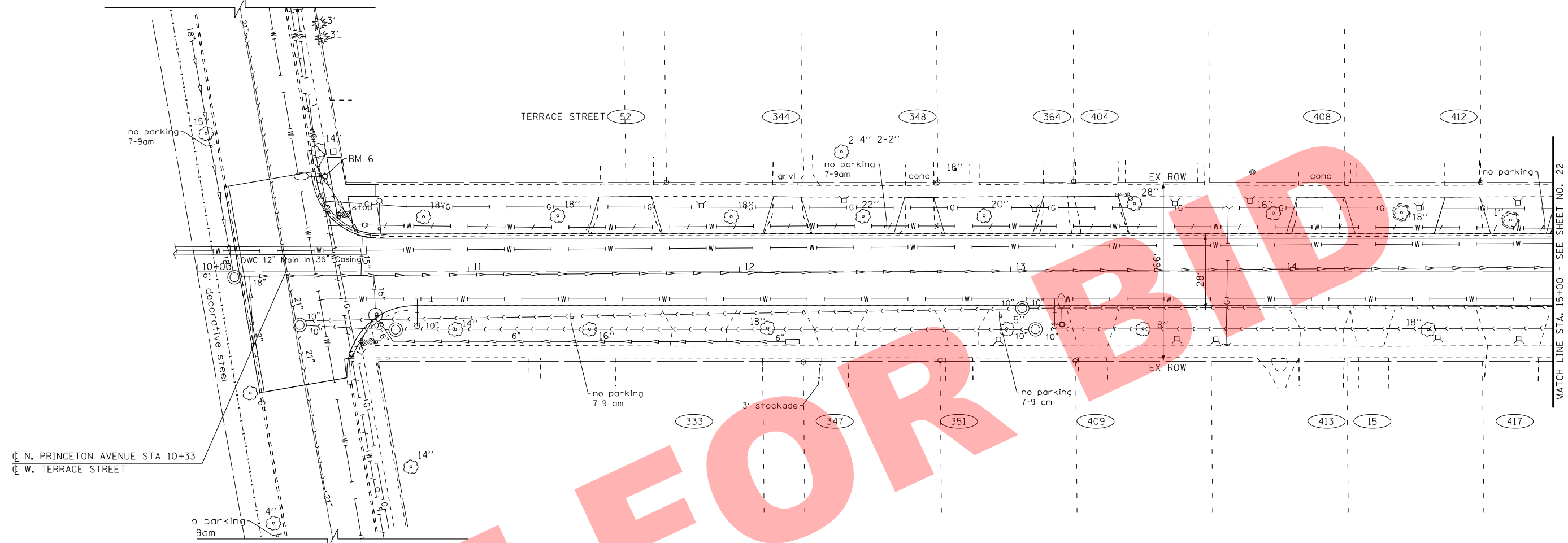
**EROSION CONTROL PLAN
N. PRINCETON AVENUE**

SCALE: 1" = 20' STA. 30+00 TO STA. 32+41

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	N/A	DuPAGE	36	20
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	



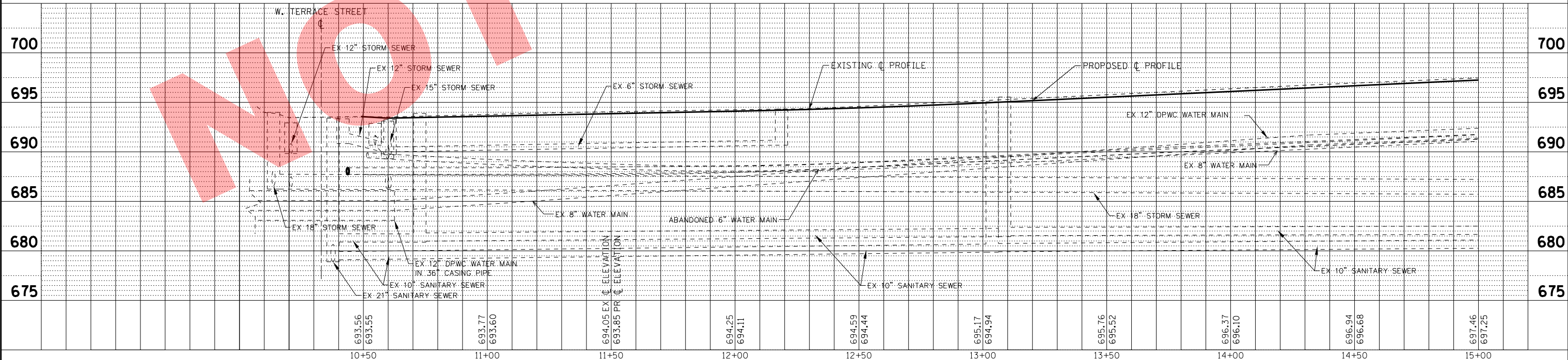
W. TERRACE STREET



CL N. PRINCETON AVENUE STA 10+33
CL W. TERRACE STREET

W. TERRACE STREET

N. PRINCETON AVENUE



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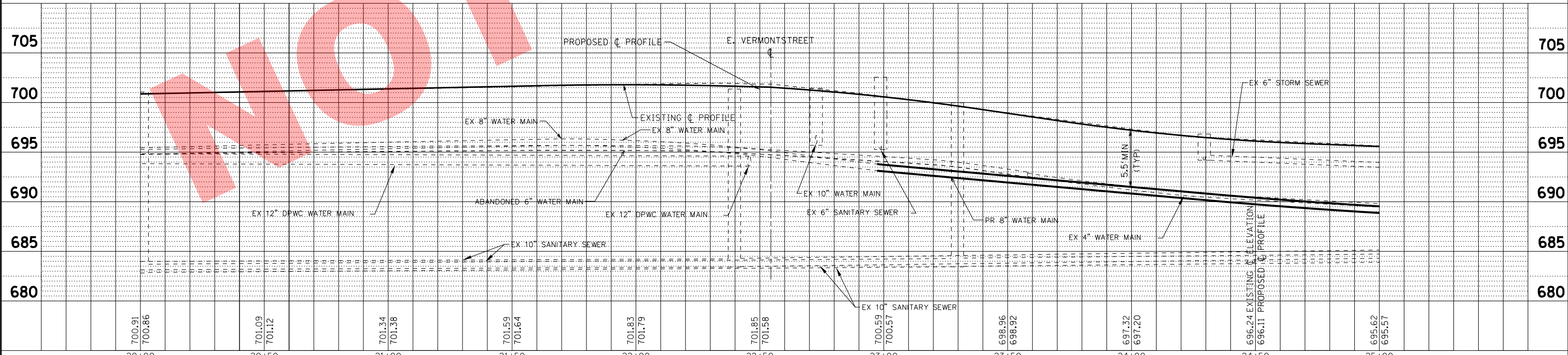
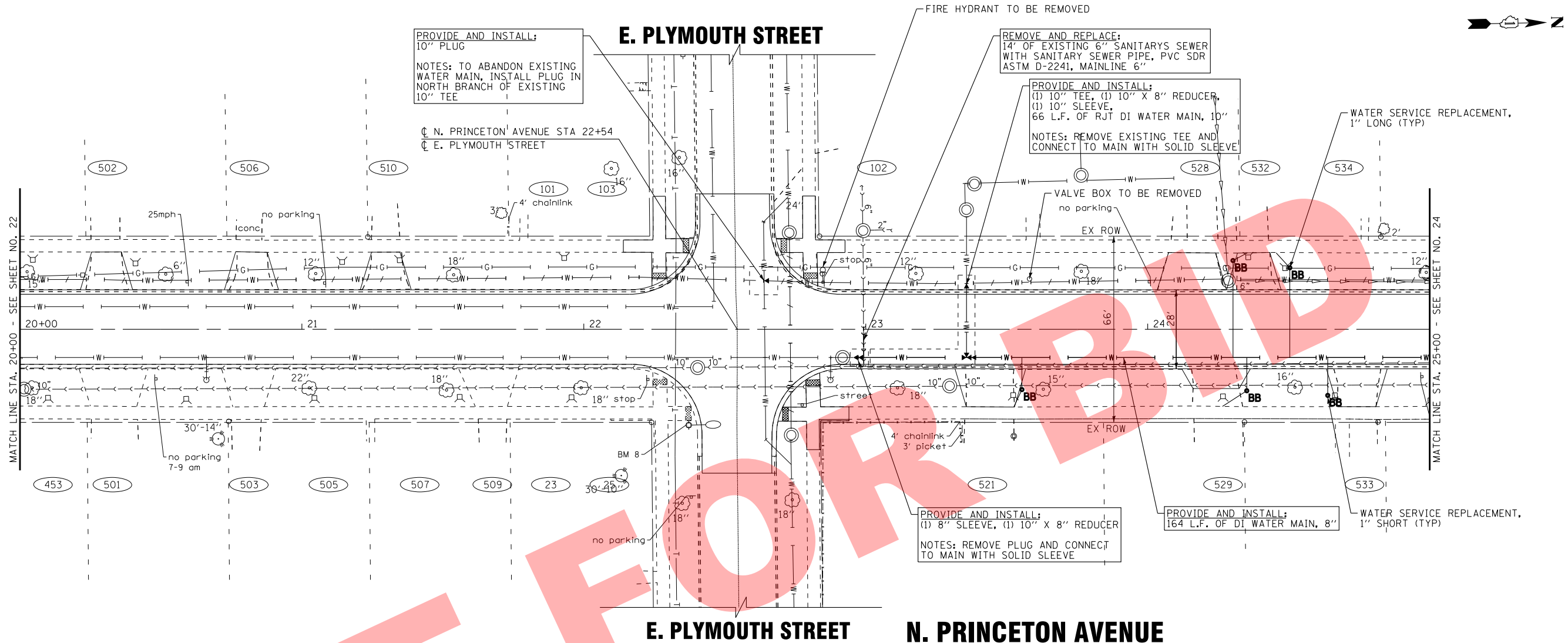
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**VILLAGE OF VILLA PARK, ILLINOIS
2016 NORTH PRINCETON AVENUE IMPROVEMENT PROJECT**

**DRAINAGE AND UTILITIES
N. PRINCETON AVENUE**

SCALE: H: 1"=20' V: 1"=5'
STA. 10+00 TO STA. 15+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	N/A	DuPAGE	36	21
CONTRACT NO.				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



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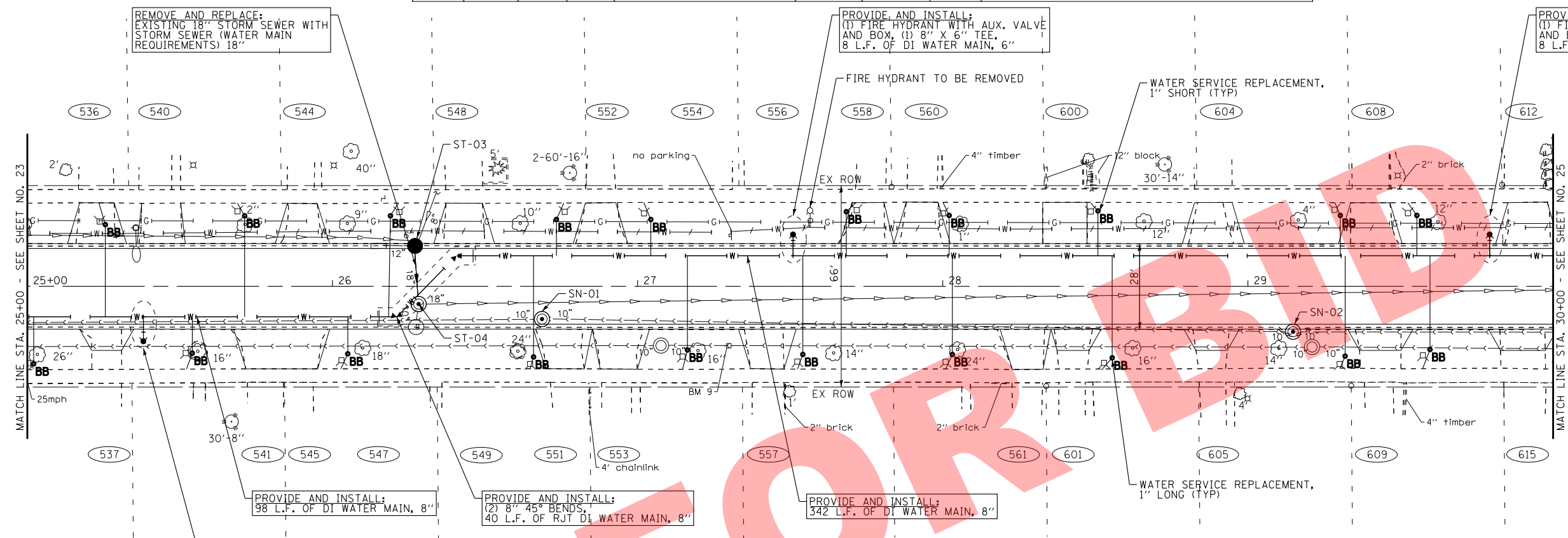
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VILLAGE OF VILLA PARK, ILLINOIS
2016 NORTH PRINCETON AVENUE IMPROVEMENT PROJECT

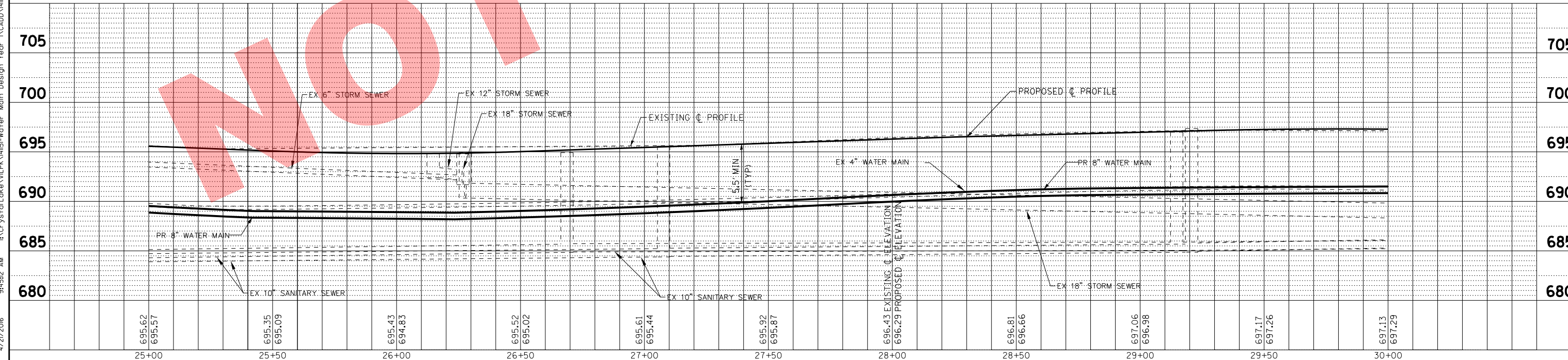
DRAINAGE AND UTILITIES	
N. PRINCETON AVENUE	
SCALE: H: 1"=20' V: 1"=5'	STA. 20+00 TO STA. 25+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	N/A	DuPAGE	36	23
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

LABEL	STATION	OFFSET (FT)	TYPE	FRAME	ELEVATION	RIM/EOP	INVERTS
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ST-04	26+28	5.8	RT		694.93	RIM	690.38 18" W, 690.38 10" E, 690.33 18" N
SN-01	26+69	10.7	RT		694.94	RIM	684.89 10" N, 684.84 10" S
SN-02	29+15	14.9	RT		697.00	RIM	685.05 10" N, 685.05 10" S



N. PRINCETON AVENUE



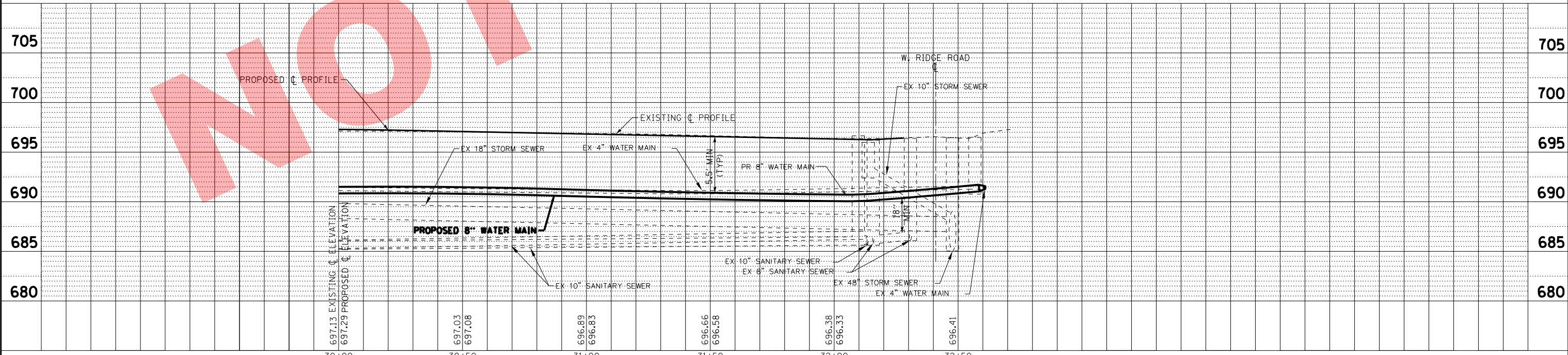
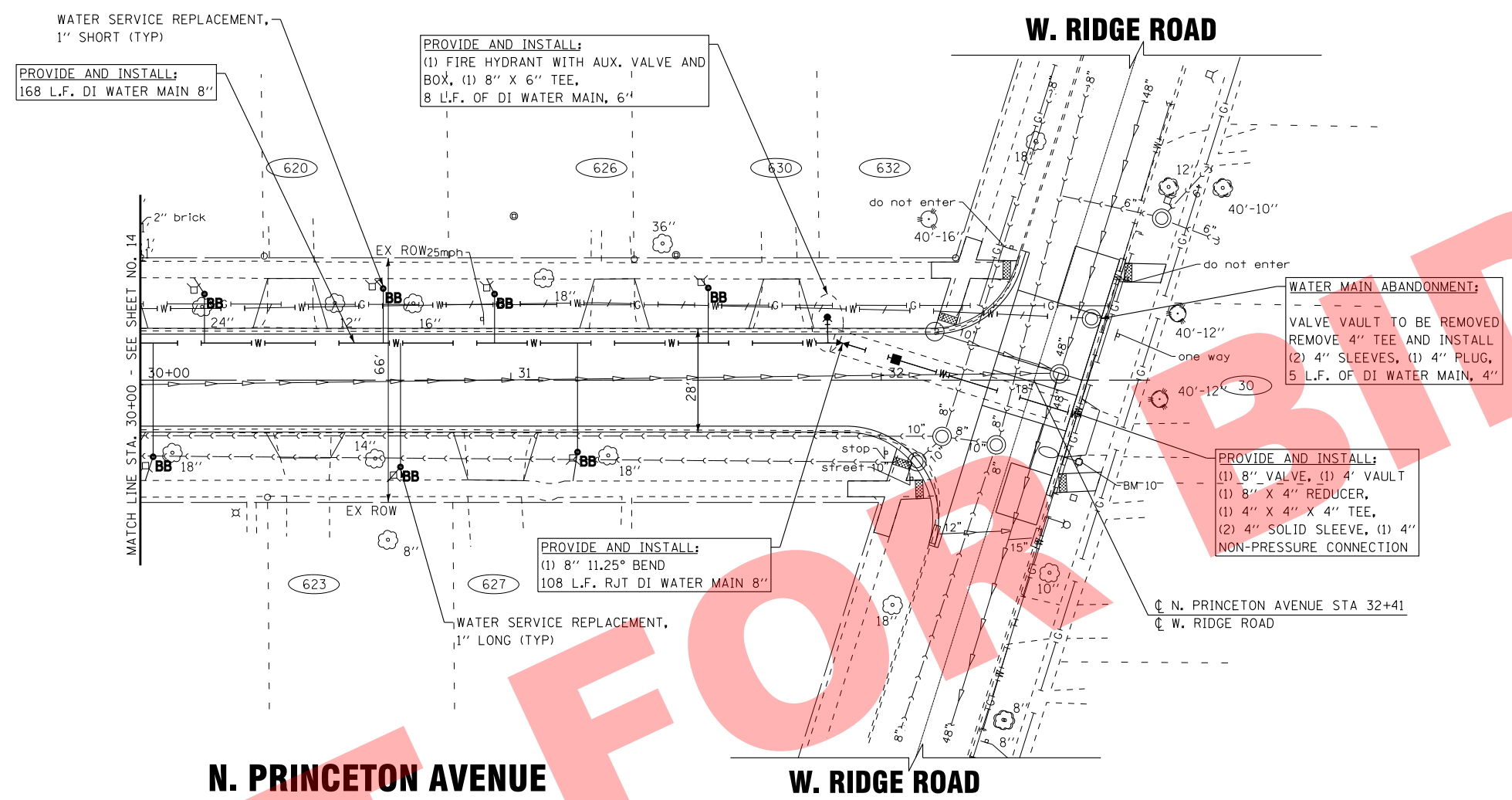
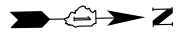
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DATE - 11/06/15	FILE - 141151SHT-DU4.dgn

VILLAGE OF VILLA PARK, ILLINOIS
2016 NORTH PRINCETON AVENUE IMPROVEMENT PROJECT

DRAINAGE AND UTILITIES	
N. PRINCETON AVENUE	
SCALE: H: 1"=20' V: 1"=5'	STA. 25+00 TO STA. 30+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	N/A	DuPAGE	36	24
CONTRACT NO.				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



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 ...\\c:\pdr\pdf-bw\Default.pit
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 in:\CrystalLake\14151-Water Main Design Year 14\CADD\14151SHT-DU5.dgn



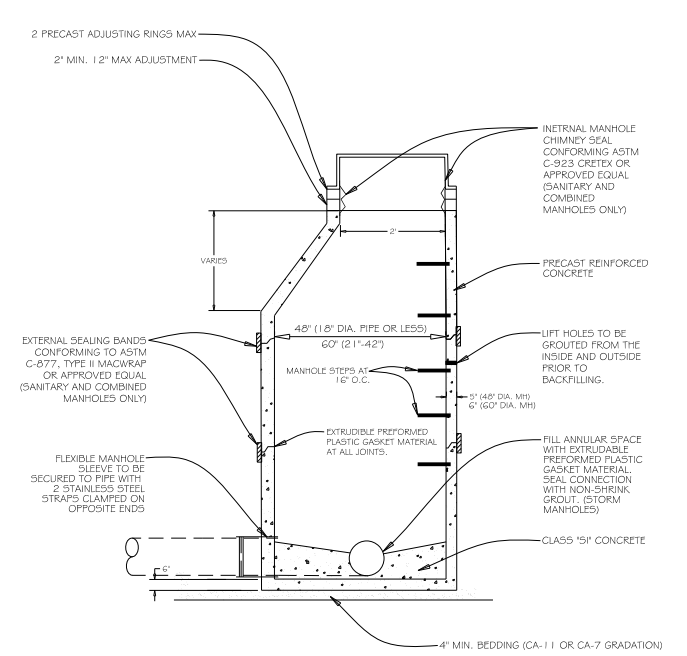
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DRAWN - KAR	REVISED -
CHECKED - TMS	REVISED -
DATE - 11/06/15	FILE - 141151SHT-DU5.dgn

VILLAGE OF VILLA PARK, ILLINOIS
2016 NORTH PRINCETON AVENUE IMPROVEMENT PROJECT

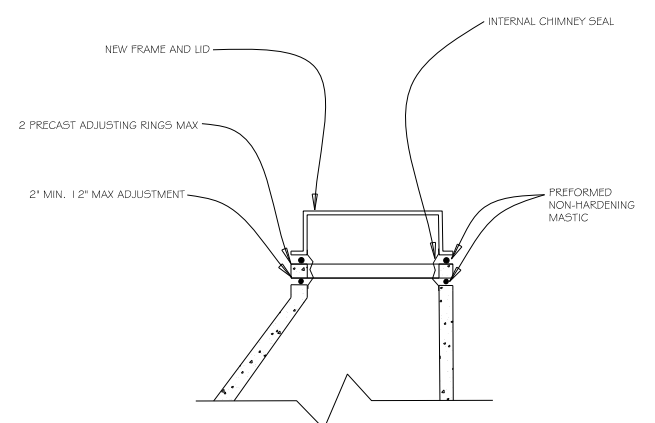
DRAINAGE AND UTILITIES
N. PRINCETON AVENUE

SCALE: H: 1"=20' V: 1"=5'
 STA. 30+00 TO STA. 32+41

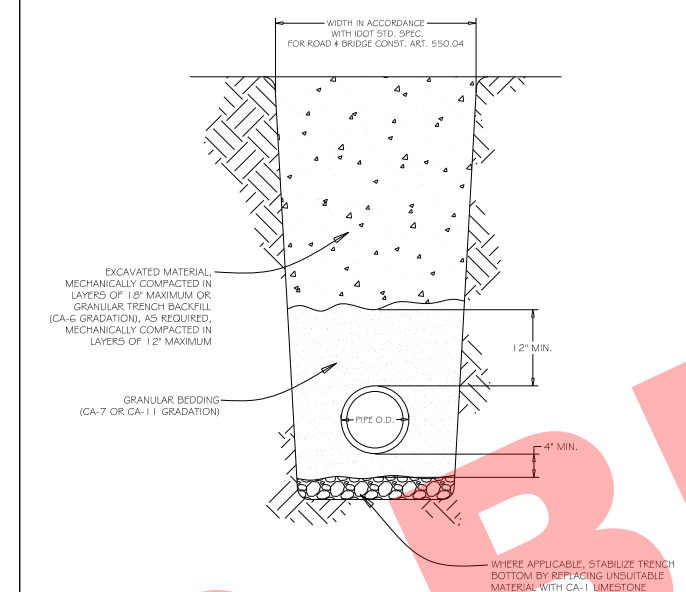
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	N/A	DuPAGE	36	25
CONTRACT NO.				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



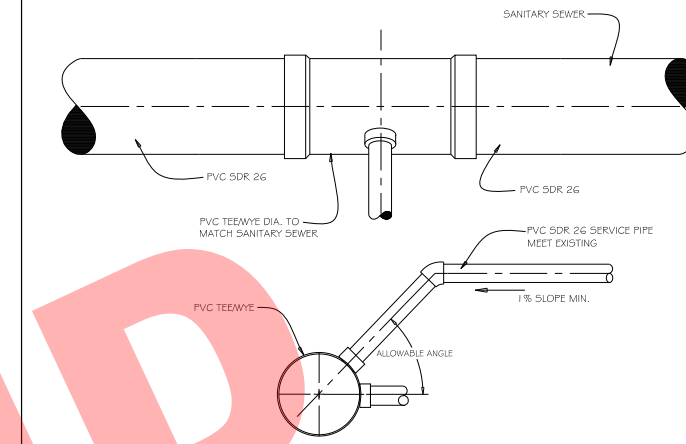
- GENERAL NOTES:**
1. FRAME AND LID (SANITARY):
NEENAH R-1015-2000 FRAME
NEENAH R-1015-2001 SELF SEALING LID
 2. FRAME AND LID (STORM):
NEENAH R-1015-2000 FRAME
NEENAH R-1015-2001 LID
 3. ALL LIFT HOLES ARE TO BE GROUTED FROM INSIDE AND OUTSIDE BEFORE BACKFILLING.



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



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



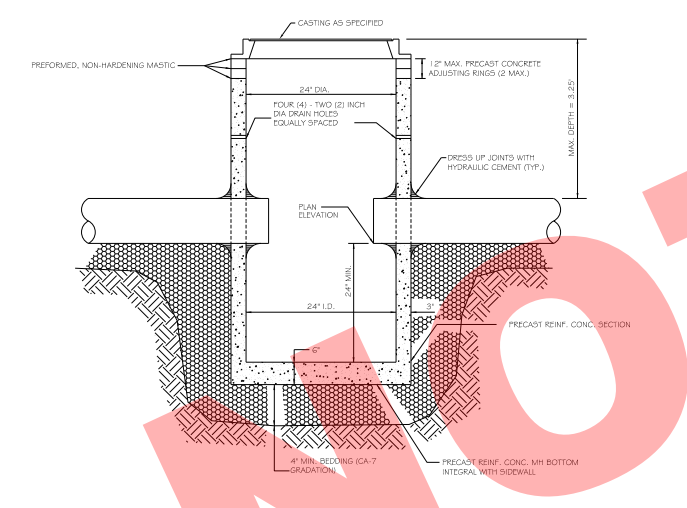
- GENERAL NOTES:**
1. TEE/WYE CAN BE INSTALLED ONLY DURING NEW SEWER INSTALLATION
 2. CONTRACTOR MAY USE A TEE OR A WYE AT HIS OPTION

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

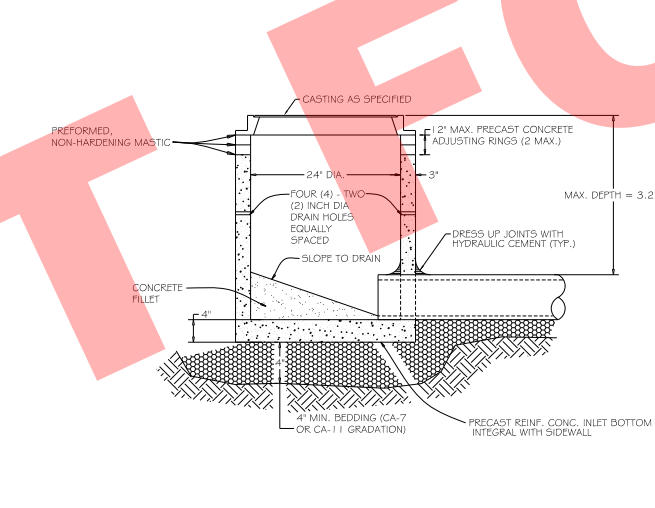
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REV: KLM	DATE: 10/12/2006	VILLAGE OF VILLA PARK
DRAWN BY: VV	DATE: 07/2/2004	SANITARY - 08

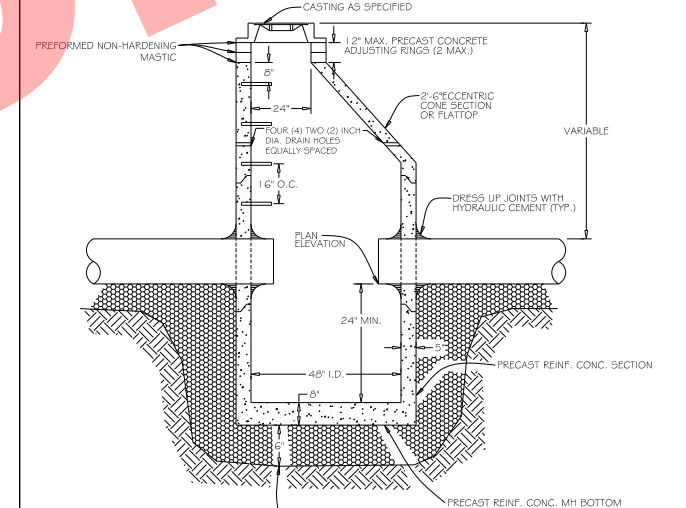
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DRAWN BY: VV	DATE: JAN 2003	SANITARY - 10



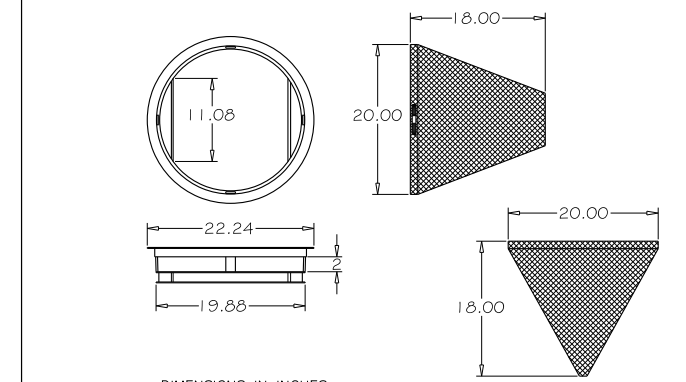
- GENERAL NOTES:**
1. PROVIDE PRECAST REINFORCED CONCRETE BARREL AND RISER SECTION. CONCRETE BLOCK CONSTRUCTION IS NOT PERMITTED.
 2. PROVIDE GRANULAR BACKFILL AROUND CATCH BASIN TO SUBGRADE ELEVATION IN PAVED AREAS. MATERIAL SHALL MEET THE REQUIREMENTS OF IDOT "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE 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, 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 GRASSY AREAS, DRAIN HOLES/SWEEP HOLES SHALL BE PLUGGED WITH HYDRAULIC CEMENT.



- 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 GRASSY 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 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 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 GRASSY 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

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

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

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

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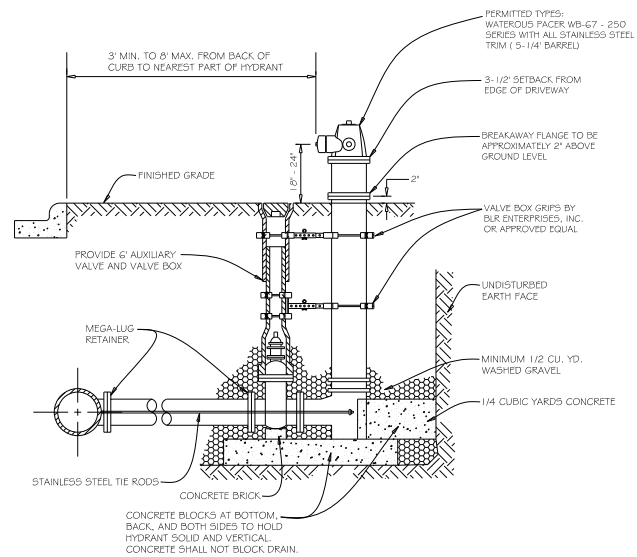


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CHECKED - TMS	REVISED -
DATE - 11/06/15	FILE - 141151SH-Misc Details.dgn

VILLAGE OF VILLA PARK ILLINOIS
2016 NORTH PRINCETON AVENUE IMPROVEMENT PROJECT

MISCELLANEOUS DETAILS	
SCALE:	STA. TO STA.

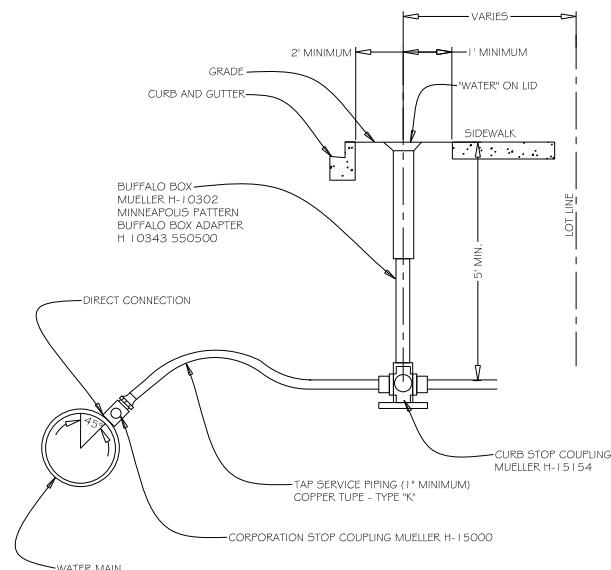
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	N/A	DuPAGE	36	27
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



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.

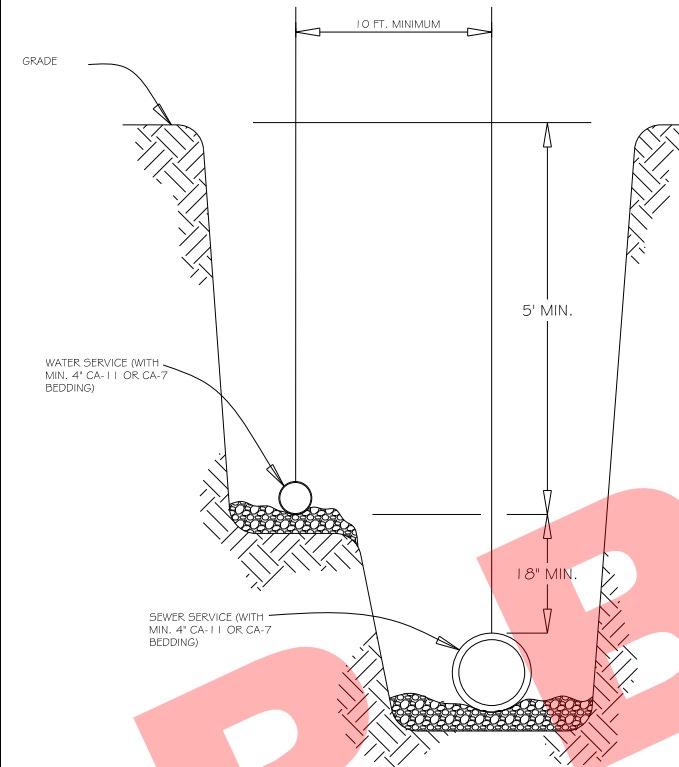
NOT TO SCALE



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

NOT TO SCALE



GENERAL NOTES:

1. COMMON TRENCH PER ILLINOIS PLUMBING CODE

NOT TO SCALE

REV:	DATE:	
REV:	DATE:	
DRAWN BY:	DATE:	

FIRE HYDRANT SETTING

VILLAGE OF VILLA PARK
WATER - 04

REV:	DATE:	
REV:	DATE:	
DRAWN BY:	DATE:	

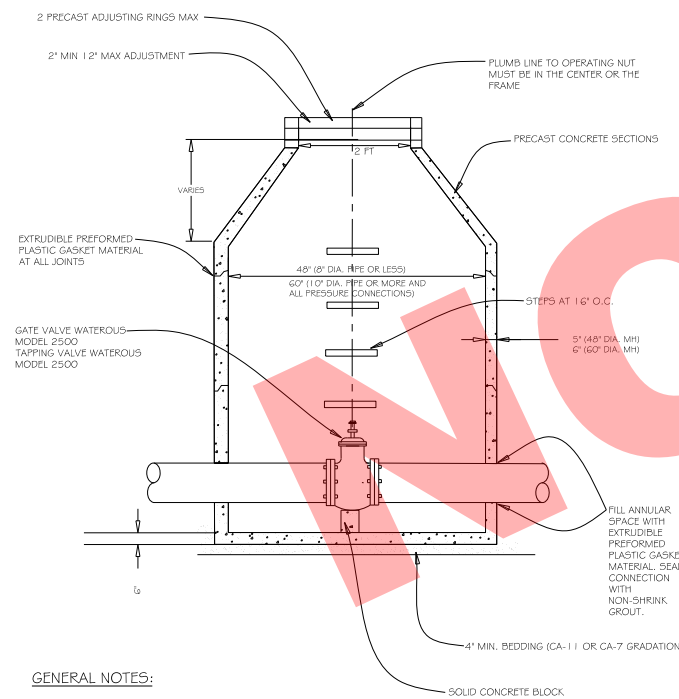
TYPICAL WATER TAP

VILLAGE OF VILLA PARK
WATER - 12

REV:	DATE:	
REV:	DATE:	
DRAWN BY:	DATE:	

WATER AND SEWER SERVICE SEPARATION

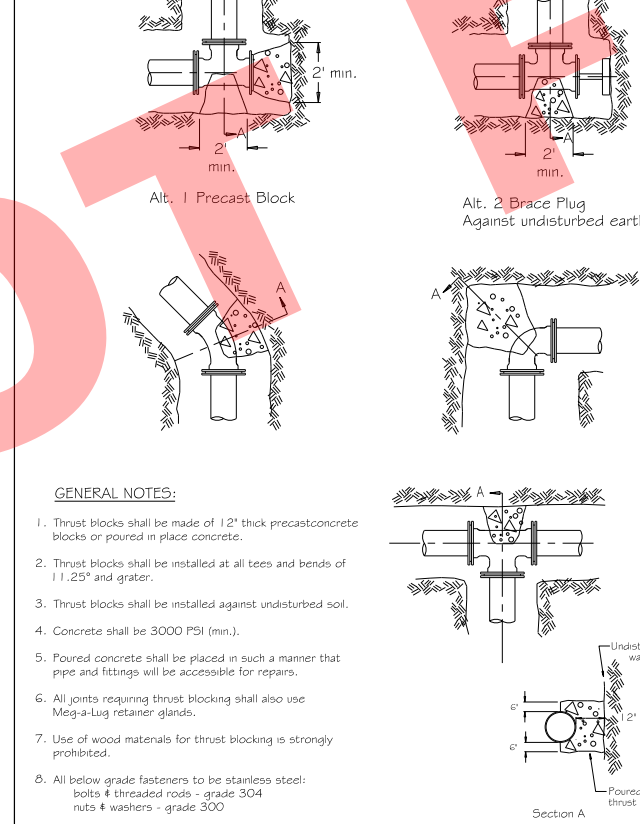
VILLAGE OF VILLA PARK
WATER - 13



GENERAL NOTES:

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

NOT TO SCALE



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 1:1.25° 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

NOT TO SCALE

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DRAWN BY:	DATE:	

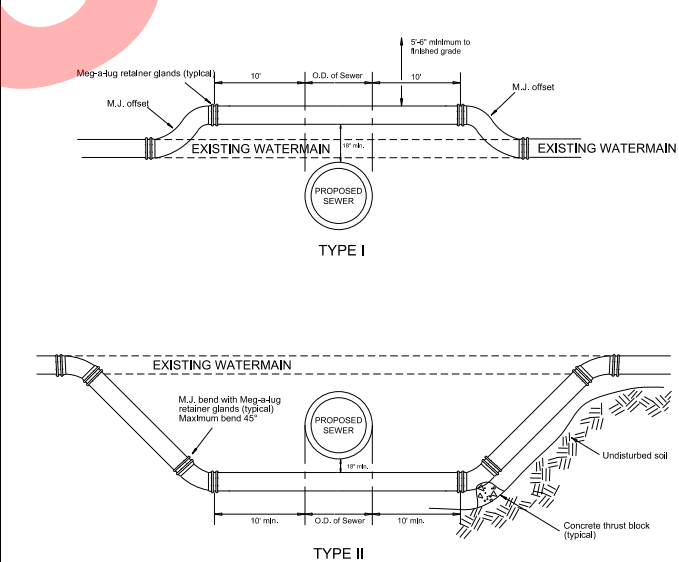
THRUST BLOCK INSTALLATION

VILLAGE OF VILLA PARK
WATER-22

REV:	DATE:	
REV:	DATE:	
DRAWN BY:	DATE:	

WATERMAIN RELOCATION

VILLAGE OF VILLA PARK
WATER - 25



GENERAL NOTES:

1. MEG-A-LUG RETAINER GLANDS AND THRUST BLOCKING SHALL BE USED AT ALL FITTINGS AND JOINTS.
2. AN EIGHTEEN INCH (1 1/2") 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 5/8" 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 PR PIPE) BETWEEN MANHOLES, OR ENCASED IN A BITUMINOUS COATED STEEL CASING PIPE, EXTENDING A MINIMUM OF 30' CENTERED ON THE WATERMAIN.
6. ALL BELOW GRADE FASTENERS SHALL BE STAINLESS STEEL:
 - A. BOLTS - GRADE 304
 - B. NUTS AND WASHERS - GRADE 300

NOT TO SCALE

REV:	DATE:	
REV:	DATE:	
DRAWN BY:	DATE:	

WATER VALVE IN VAULT

VILLAGE OF VILLA PARK
WATER - 14

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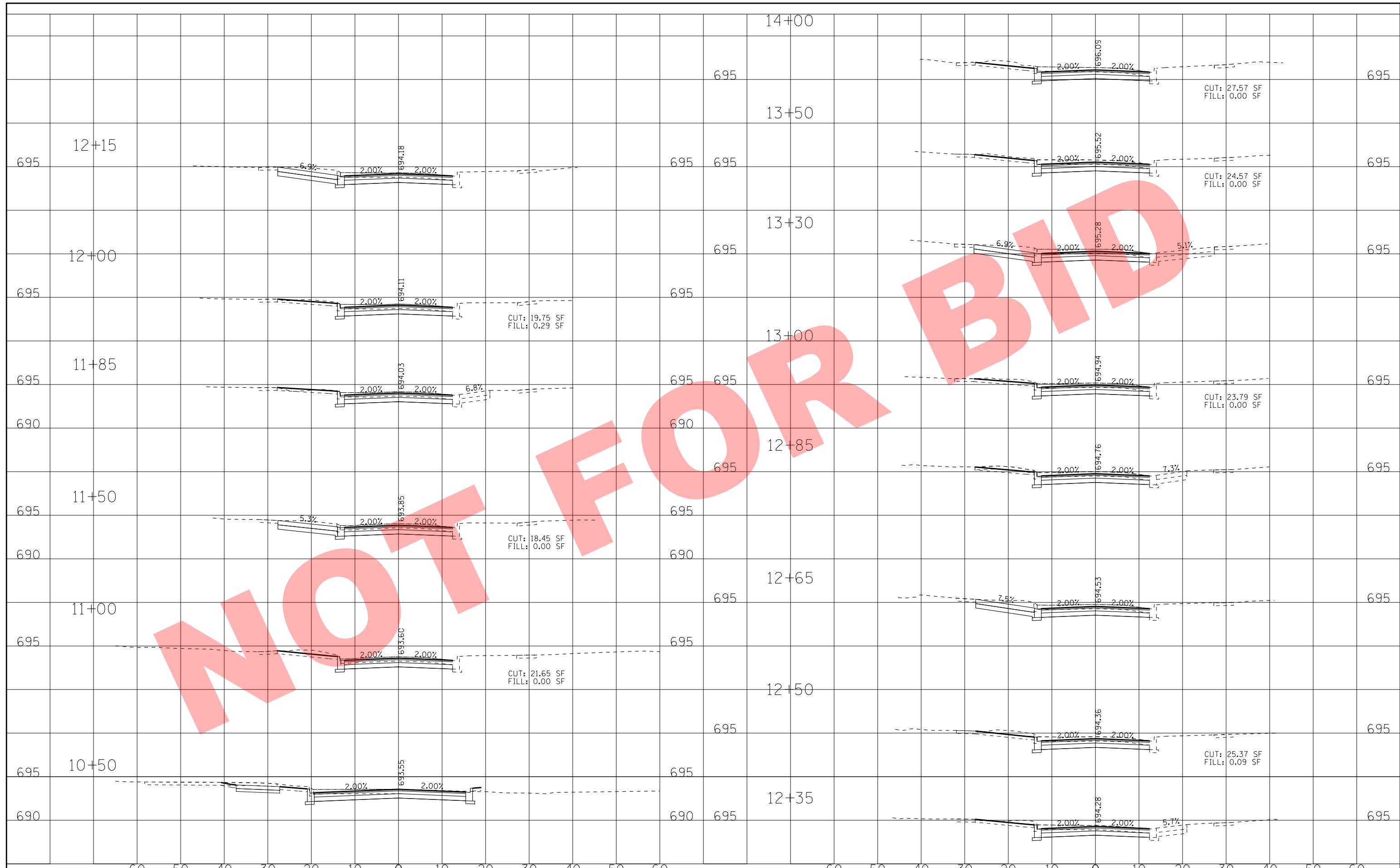
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DATE -	11/06/15	FILE -	14151SHT-Misc Details.dgn

**VILLAGE OF VILLA PARK ILLINOIS
2016 NORTH PRINCETON AVENUE IMPROVEMENT PROJECT**

MISCELLANEOUS DETAILS

SCALE: STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	N/A	DuPAGE	36	28
CONTRACT NO.				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



DESIGNED - JDM	REVISED -
DRAWN - KAR	REVISED -
CHECKED - TMS	REVISED -
DATE - XX/XX/XX	REVISED -

**VILLAGE OF VILLA PARK, ILLINOIS
NORTH PRINCETON AVENUE
RECONSTRUCTION**

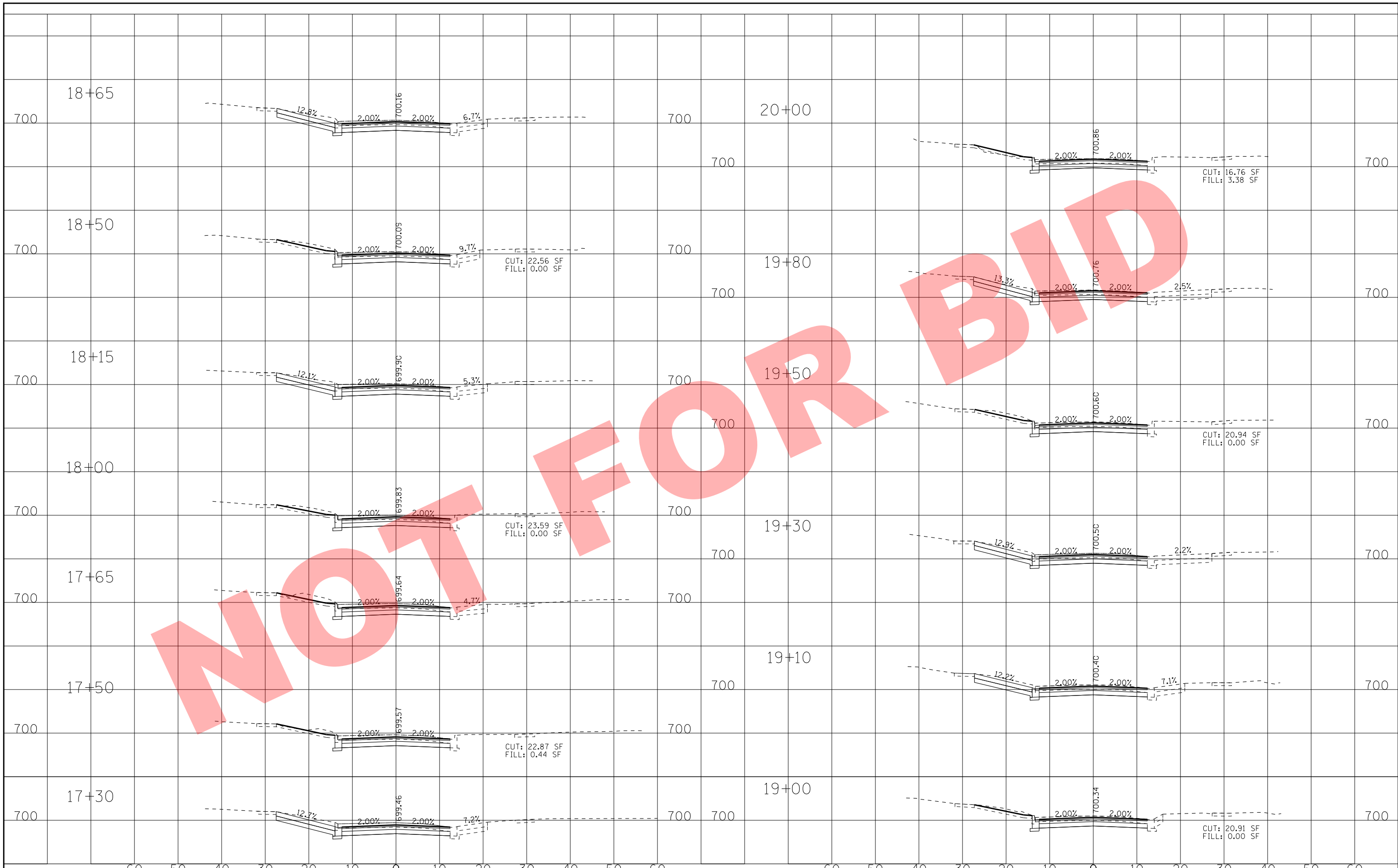
CROSS SECTIONS

SCALE: H: 1"=10' V: 1"=5' STA. 10+50 TO STA. 14+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	SECTION NO.	COUNTY	36	30
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	

NOT FOR BID





NOT FOR BID

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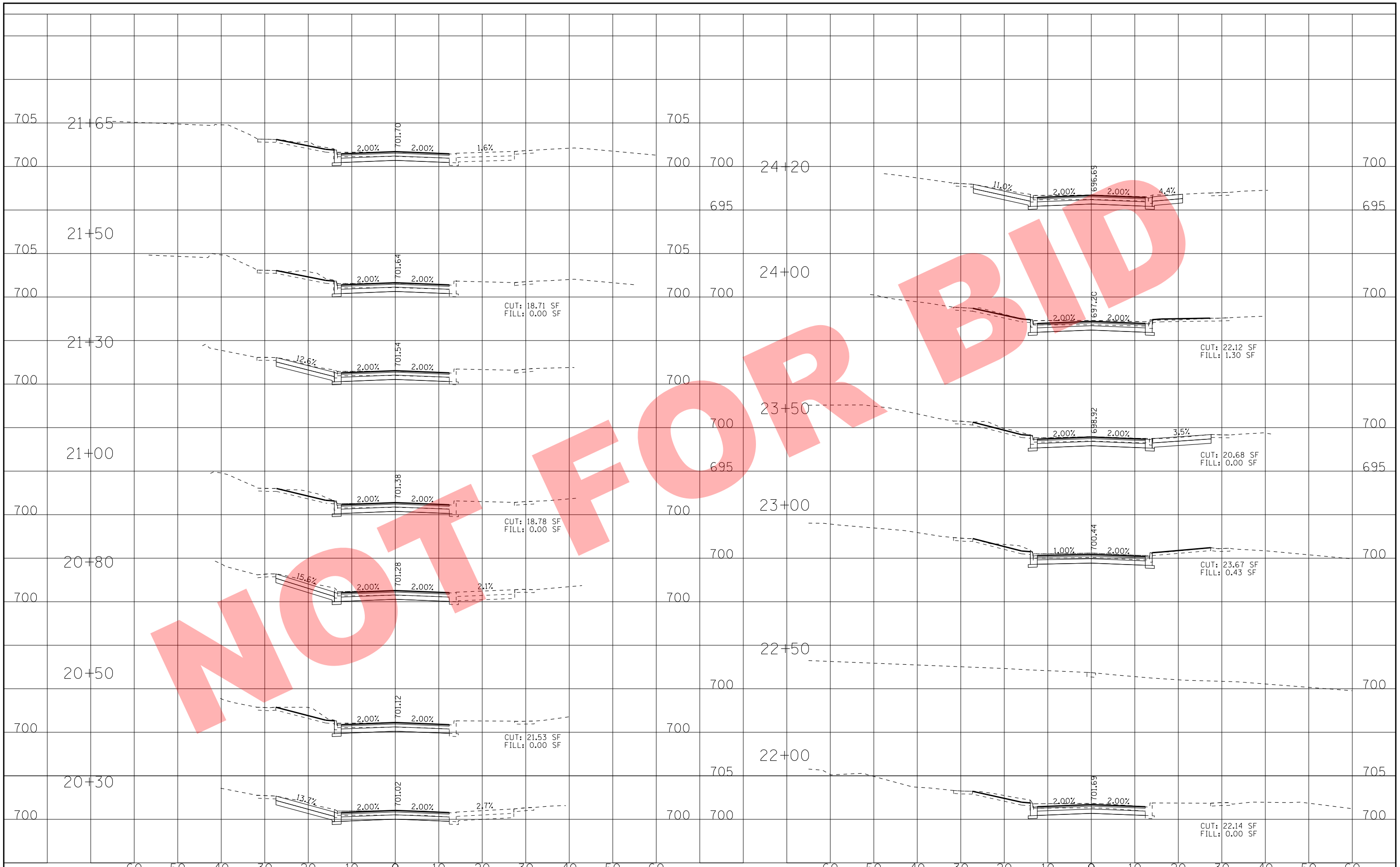
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DRAWN - KAR	REVISED -
CHECKED - TMS	REVISED -
DATE - 11/06/15	REVISED -

**VILLAGE OF VILLA PARK, ILLINOIS
NORTH PRINCETON AVENUE
RECONSTRUCTION**

CROSS SECTIONS

SCALE: H: 1"=10' V: 1"=5' STA. 17+30 TO STA. 20+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	SECTION NO.	COUNTY	36	32
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	



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DATE - 11/06/15	REVISED -

**VILLAGE OF VILLA PARK, ILLINOIS
NORTH PRINCETON AVENUE
RECONSTRUCTION**

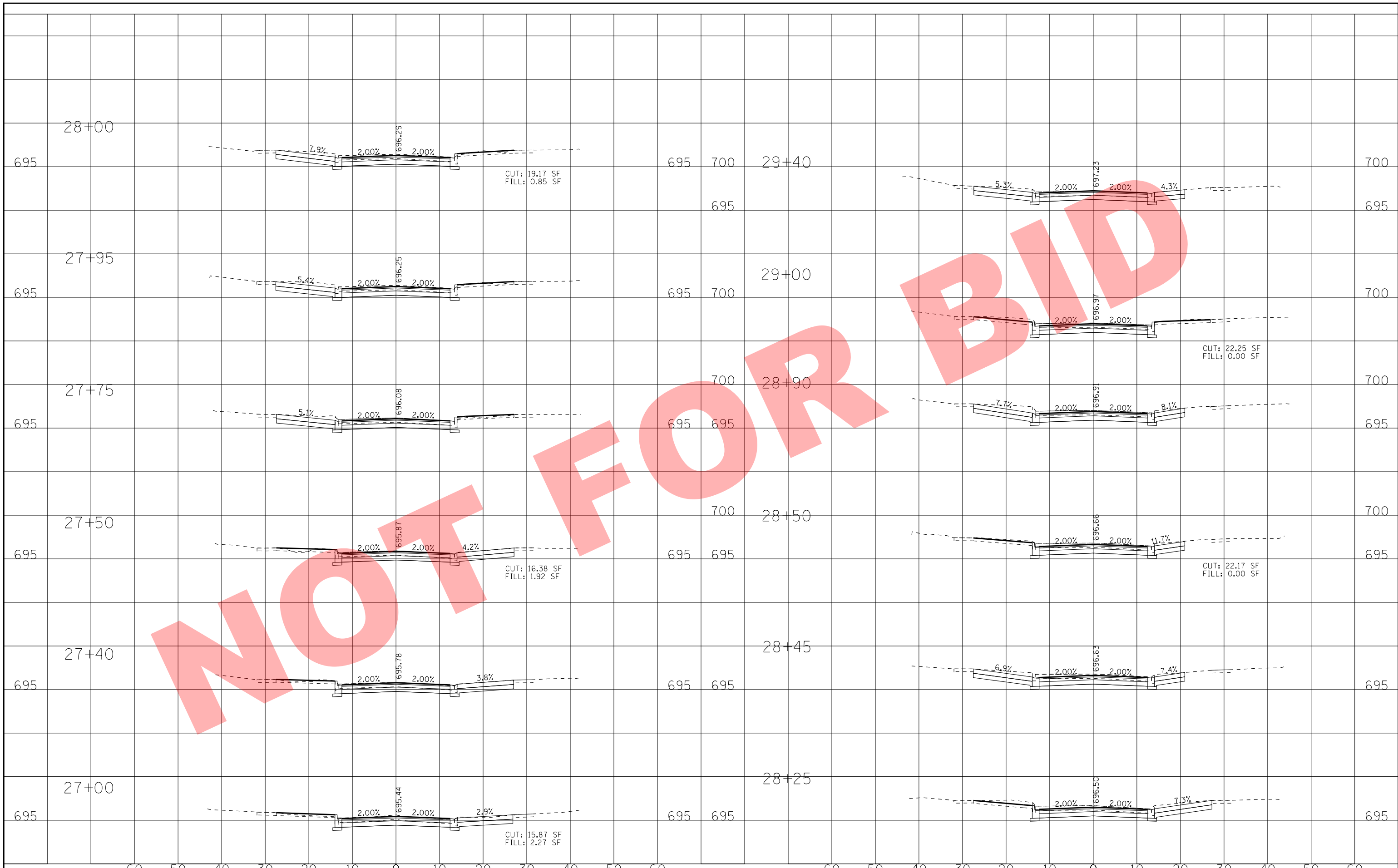
CROSS SECTIONS

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

STA. 24+40 TO STA. 26+90

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	SECTION NO.	COUNTY	36	34
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	

NOT FOR BID



NOT FOR BID

