

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	N/A	DUPAGE	17	1
		ILLINOIS	CONTRACT NO.	

VILLAGE OF VILLA PARK, ILLINOIS

THIRD AVENUE IMPROVEMENTS

HOLLY COURT TO DIVISION STREET

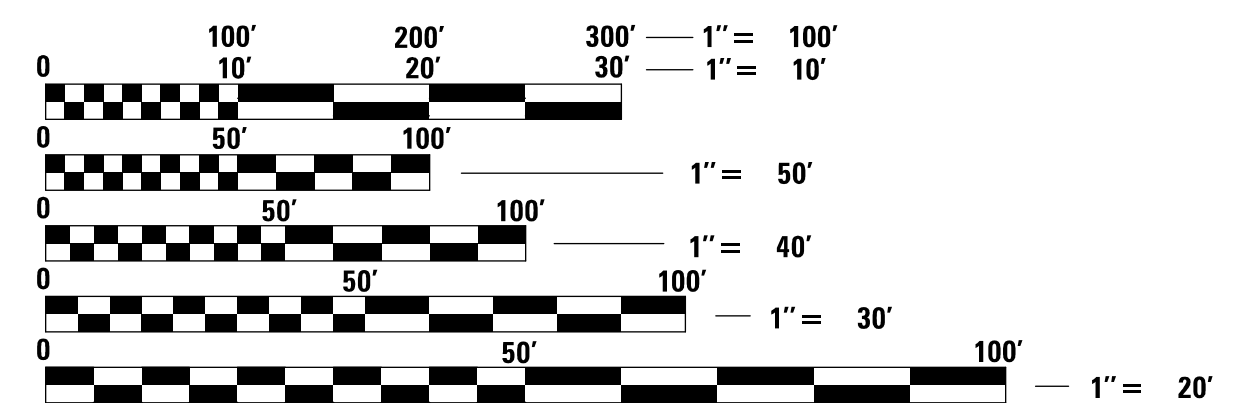
DUPAGE COUNTY, ILLINOIS

FOR INDEX OF SHEETS, SEE SHEET NO. 2

THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR JOB SITE SAFETY AS WELL AS SUPERVISION/DIRECTION AND MEANS/METHODS OF CONSTRUCTION

SCALES

- PLAN 1" = 20'
- PROFILE HORIZ. 1" = 20'
- PROFILE VERT. 1" = 5'



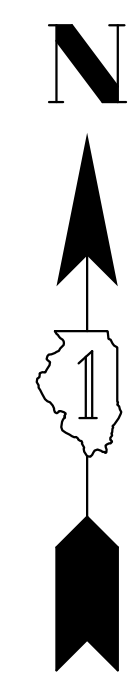
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E. CALL JULIE 811 WITH THE FOLLOWING:
 COUNTY DUPAGE
 CITY-TOWNSHIP VILLA PARK
 48 HOURS BEFORE YOU DIG.
 EXCLUDING SAT., SUN., & HOLIDAYS



PROJECT LOCATION

GROSS LENGTH = 1122.00 FT. = 0.21 MILES
 NET LENGTH = 1122.00 FT. = 0.21 MILES



ALEX J. SCHAEFER
 REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS
 DATE: 2/18/2021
 ALEX SCHAEFER, PE
 ILLINOIS REGISTRATION NO. 062-071146
 EXPIRATION DATE: 11/30/21

CB **CHRISTOPHER B. BURKE ENGINEERING, LTD.**
 9575 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-0500
 PROFESSIONAL DESIGN FIRM NO. 184-001175
 EXPIRATION DATE: 04/30/21

GENERAL NOTES

INDEX OF SHEETS

DESCRIPTION	SHEET NO.
TITLE SHEET	1
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HIGHWAY STANDARDS

- 000001-07 - STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 424001-11 - PERPENDICULAR CURB RAMPS FOR SIDEWALKS
- 424021-06 - DEPRESSED CORNER FOR SIDEWALKS
- 602601-06 - PRECAST REINFORCED CONCRETE FLAT SLAB TOP (ONLY IF APPROVED IN FIELD BY ENGINEER)
- 602701-02 - MANHOLE STEPS
- 604001-05 - FRAME AND LIDS TYPE 1
- 604051-04 - FRAME AND GRATE TYPE 11
- 606001-07 - CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
- 701301-04 - LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
- 701501-06 - URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
- 701801-06 - SIDEWALK, CORNER OR CROSSWALK CLOSURE
- 701901-08 - TRAFFIC CONTROL DEVICES
- 780001-05 - TYPICAL PAVEMENT MARKINGS

SPECIFICATIONS, STANDARDS AND SPECIAL PROVISIONS

1. ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", ADOPTED APRIL 1, 2016; THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", THE LATEST REVISION; THE LATEST EDITION OF THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" (IMUTCD), "THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS" 8TH EDITION DATED 2020, THE "DETAILS" IN THE PLANS AND THE "SPECIAL PROVISIONS" INCLUDED IN THE CONTRACT DOCUMENTS.
2. ANY REFERENCE TO STANDARDS THROUGHOUT THE PLANS AND SPECIAL PROVISIONS SHALL BE INTERPRETED AS THE LATEST IDOT HIGHWAY STANDARD.
3. CODES OF THE IEPA TITLE 35, AND O.S.H.A. SHALL BE ADHERED TO FOR THE CONSTRUCTION OF THIS PROJECT. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE ADHERENCE TO THESE (NOT THE VILLAGE'S OR THE ENGINEER'S).
4. ALL TRAFFIC CONTROL AND OTHER ADVISORY SIGNS NEEDED FOR CONSTRUCTION ARE TO BE FURNISHED BY THE CONTRACTOR IN ACCORDANCE WITH SECTION 700 OF THE STANDARD SPECIFICATIONS.
5. ALL REQUIRED PERMITS FROM THE PROPER GOVERNING AGENCY SHALL BE OBTAINED FOR CONSTRUCTION ALONG OR ACROSS EXISTING STREETS OR HIGHWAYS. THE CONTRACTOR SHALL MAKE ARRANGEMENTS FOR THE PROPER BRACING, SHEETING, SHORING AND OTHER REQUIRED PROTECTION OF ALL ROADWAYS BEFORE CONSTRUCTION BEGINS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO THE STREETS OR ROADWAYS AND ASSOCIATED STRUCTURES AND SHALL MAKE REPAIRS AS NECESSARY TO THE SATISFACTION OF THE AGENCY, AT THE CONTRACTOR'S OWN EXPENSE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ADEQUATE SIGNS AND WARNING DEVICES TO INFORM AND PROTECT THE PUBLIC.

UTILITIES

6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE OWNERS OF ALL EXISTING FACILITIES SO THAT THE UTILITIES AND THEIR APPURTENANCES MAY BE LOCATED AND ADJUSTED OR MOVED, IF NECESSARY, PRIOR TO THE START OF CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL COOPERATE WITH ALL UTILITY OWNERS AS PROVIDED FOR IN THE STANDARD SPECIFICATIONS.
7. THE LOCATIONS OF EXISTING DRAINAGE STRUCTURES, STORM AND SANITARY SEWERS, WATER SERVICE LINES AND OTHER UTILITY LINES ARE APPROXIMATE, AND THE VILLAGE DOES NOT GUARANTEE THEIR ACCURACY. THEIR EXACT HORIZONTAL AND VERTICAL LOCATIONS ARE TO BE DETERMINED IN THE FIELD BY THE CONTRACTOR AT THE CONTRACTOR'S OWN EXPENSE.

8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES AND SEWER EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY SEWER OR UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER OR VILLAGE. THIS WORK SHALL BE AT THE CONTRACTOR'S EXPENSE.
9. BEFORE STARTING ANY EXCAVATING, THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT 811 OR AT 800-892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, CABLE AND GAS FACILITIES AND THE VILLAGE OF VILLA PARK FOR FIELD LOCATIONS OF BURIED WATER, SANITARY AND STORM FACILITIES (2 WORKING DAYS ADVANCE NOTIFICATION IS REQUIRED).
10. THE PUBLIC WORKS DEPARTMENT AT 630-834-8505 SHALL BE NOTIFIED 48 HOURS PRIOR TO CONSTRUCTION AND ALL TESTING.
11. ALL UTILITY CONNECTIONS TO EXISTING LINES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE REGULATIONS AND TO THE SATISFACTION OF THE UTILITY OWNER.

STAKING

12. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL SECTION OR SUBSECTION MONUMENTS OR PROPERTY OR REFERENCE MARKERS UNTIL THE VILLAGE, THE VILLAGE'S AGENT OR AN AUTHORIZED SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATIONS.

WATER, STORM SEWER AND SANITARY SEWER

13. WHENEVER DURING CONSTRUCTION OPERATIONS ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF UTILITY STRUCTURES SUCH THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED, IT SHALL BE REMOVED IMMEDIATELY. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL UTILITY STRUCTURES SHALL BE FREE FROM DIRT AND DEBRIS. THE WORK SPECIFIED ABOVE WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE CONTRACT.
14. WHEN EXISTING DRAINAGE FACILITIES ARE DISTURBED, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY OUTLETS AND CONNECTIONS FOR ALL PRIVATE OR PUBLIC DRAINS, SEWERS OR CATCH BASINS. THE CONTRACTOR SHALL PROVIDE FACILITIES TO TAKE IN ALL STORM WATER WHICH WILL BE RECEIVED BY THESE DRAINS AND SEWERS AND DISCHARGE THE SAME. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN AN EFFICIENT PUMPING PLAN, IF NECESSARY, AND A TEMPORARY OUTLET AND BE PREPARED AT ALL TIMES TO DISPOSE OF THE WATER RECEIVED FROM THESE TEMPORARY CONNECTIONS UNTIL SUCH TIME AS THE PERMANENT CONNECTIONS WITH SEWERS ARE BUILT AND IN SERVICE. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE STORM SEWER.
15. ANY EXISTING OR PROPOSED UTILITY DAMAGED BY THE CONTRACTOR DURING CONSTRUCTION SHALL BE REPLACED BY THE CONTRACTOR AT NO COST TO THE VILLAGE.
16. THE COST OF CONNECTING EXISTING SEWERS TO PROPOSED STRUCTURES SHALL BE CONSIDERED INCLUDED IN THE COST OF THE PROPOSED STRUCTURE. THIS SHALL INCLUDE UP TO 6 FEET OF NEW SEWER PIPE AND CONNECTION TO THE EXISTING SEWERS WITH NON-SHEAR MISSION COUPLINGS OR OTHER METHODS APPROVED BY THE ENGINEER.
17. THE CONTRACTOR SHALL CONFIRM ALL SEWER PIPE SIZES AND INVERTS PRIOR TO ORDERING STRUCTURES. ANY MODIFICATIONS OF STRUCTURES DUE TO THE FAILURE OF THE CONTRACTOR TO PERFORM THIS TASK SHALL BE AT THE CONTRACTOR'S EXPENSE AND MAY LEAD TO THE REJECTION OF THE STRUCTURE IN THE FIELD.
18. ADJUST MANHOLE OR VAULT RIM ELEVATIONS TO FINAL GRADE AT TIME OF FINAL PAVING OR LANDSCAPING. ADJUSTMENT OF NEW STRUCTURES TO FINAL GRADE IS INCLUDED IN THE COST OF THE NEW STRUCTURE REGARDLESS OF THE AMOUNT OF TIMES ADJUSTMENT MUST BE MADE.
19. WHEN CONNECTION TO AN EXISTING SEWER MAIN IS MADE BY MEANS OTHER THAN AN EXISTING WYE, TEE, OR AN EXISTING MANHOLE, THE FOLLOWING METHOD SHALL BE USED:
 - (A) CIRCULAR SAW-CUT OF SEWER MAIN BY PROPER TOOLS ("SEWER-TAP" MACHINE OR SIMILAR) AND PROPER INSTALLATION OF HUB-WYE SADDLE OR HUB-TEE SADDLE.
20. ALL WATER FROM THE TRENCH AND PIPELINES WILL BE PUMPED OUT BY THE CONTRACTOR AND DISPOSED OF IN SUCH A MANNER THAT IT WILL NOT INTERFERE OR DAMAGE THE WORK OF THIS OR OTHER CONTRACTORS PUMPING SHALL BE CONTINUOUS (24 HOURS A DAY, SEVEN DAYS A WEEK) AS LONG AS SUFFICIENT WATER COLLECTS TO WARRANT THIS. STORM SEWERS IN THE AREA MAY BE USED TO DISPOSE OF THE WATER COLLECTED, IF APPROVED BY THE VILLAGE.
21. ALL BEDDING AND BACKFILL MATERIAL SHALL BE OF VIRGIN MATERIAL.
22. ANY PORTIONS OF STORM SEWER AND MISSION COUPLINGS NEEDED TO CONNECT (EXTEND) EXISTING STORM SEWER TO PROPOSED STORM SEWERS SHALL BE CONSIDERED INCLUDED IN THE COST OF THE SEWER. PROPOSED STORM SEWER SHALL BE STORM SEWER OF TYPE AND SIZE REQUIRED.

23. STORM SEWER SHALL BE BACKFILLED IN ACCORDANCE WITH THE VILLAGE OF VILLA PARK STANDARD DETAIL FOR PIPE INSTALLATION.
24. ALL TRENCH BACKFILL QUANTITIES FOR STORM SEWER HAVE BEEN COMPUTED AND SHALL BE PAID FOR IN ACCORDANCE WITH THE VILLAGE OF VILLA PARK STANDARD FOR PIPE INSTALLATION. TRENCH WIDTH SHALL BE IN ACCORDANCE WITH ARTICLE 550.04 OF THE STANDARD SPECIFICATIONS.
25. ALL SANITARY SEWERS, WATER MAINS AND STORM SEWERS MUST BE PLACED ON PROPERLY COMPACTED BEDDING. BEDDING MATERIAL SHALL BE PLACED A MINIMUM OF 4 INCHES THICK UNDER THE BARREL OF THE PIPE AND SHALL BE EXTENDED 12" OVER THE TOP OF PIPE. BEDDING MATERIAL SHALL BE CRUSHED GRAVEL OR STONE MEETING GRADATION CA-7 OR CA-11. BEDDING SHALL BE INCLUDED IN THE COST OF THE PIPE.
26. TRENCH BACKFILL MATERIAL (CA-6 CRUSHED STONE) SHALL BE PLACED FROM 12" OVER THE TOP OF THE PIPE AND COMPACTED TO 95% OF STANDARD MAXIMUM DENSITY (A.S.T.M. D-698) OVER ALL UNDERGROUND UTILITIES WHICH ARE CONSTRUCTED UNDER, OR WITHIN 2 FEET OF ANY PROPOSED OR EXISTING PAVEMENT, PARKING LOTS, OR SIDEWALKS. TRENCH BACKFILL SHALL BE MECHANICALLY COMPACTED IN 8" MAXIMUM LIFTS.
27. ANY TRENCH BACKFILL REQUIRED IN EXCESS OF THE QUANTITY ESTABLISHED IN ACCORDANCE WITH THE VILLAGE STANDARD DETAIL FOR PIPE INSTALLATION, INCLUDING BEDDING MATERIAL, SHALL BE INCLUDED IN THE COST OF THE ITEM BEING INSTALLED.
28. AT LOCATIONS DIRECTED BY THE ENGINEER, THE CONTRACTOR SHALL CONSTRUCT 6-INCH PVC SEWER STUBS FROM THE PROPOSED STORM SEWER TO THE RIGHT-OF-WAY LINE FOR FUTURE CONNECTION. THE CONTRACTOR SHALL VERIFY THE SLOPE AND DEPTH OF THE STUB WITH THE ENGINEER PRIOR TO CONSTRUCTION. THE CONNECTION OF THE 6-INCH STUB AND ANY NECESSARY CAPS FOR FUTURE CONNECTION SHALL BE INCLUDED IN THE COST OF THE 6-INCH PVC STORM SEWER.

MISCELLANEOUS

29. DIMENSIONS: IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER OF ANY DISCREPANCIES IMMEDIATELY.
30. BARRICADES: THE CONTRACTOR SHALL PROVIDE AND INSTALL TWO (2) WEIGHTED SAND BAGS ON EACH TYPE I OR TYPE II BARRICADE USED (ONE (1) WEIGHTED SAND BAG ACROSS EACH BOTTOM RAIL).
31. RELOCATING EXISTING SIGNS: EXISTING SIGNS, EXCLUDING STOP SIGNS, WHICH ARE IN CONFLICT WITH PROPOSED IMPROVEMENTS SHALL BE REMOVED AND REINSTALLED UPON COMPLETION OF CONFLICTING IMPROVEMENTS IN ACCORDANCE WITH THE ILLINOIS DEPARTMENT OF TRANSPORTATION "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES" AND THE "STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS". ALL STOP SIGNS IN CONFLICT WITH PROPOSED IMPROVEMENTS SHALL BE IMMEDIATELY RELOCATED UNTIL COMPLETION OF CONFLICTING IMPROVEMENTS. UPON COMPLETION OF CONFLICTING IMPROVEMENTS, STOP SIGNS SHALL BE REINSTALLED AT THE PROPER LOCATION. STOP SIGNS SHALL BE VISIBLE TO MOTORISTS AT ALL TIMES. THIS WORK SHALL BE INCLUDED IN THE COST OF THE TRAFFIC CONTROL AND PROTECTION.
32. PAY ITEMS IN THE SUMMARY OF QUANTITIES HAVE BEEN ESTIMATED. IF, IN THE ENGINEER'S OPINION, THE WORK IS NOT REQUIRED, THE ITEM WILL BE DEDUCTED FROM THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
33. THE SAFE AND ORDERLY PASSAGE OF TRAFFIC AND PEDESTRIANS SHALL BE PROVIDED WHERE OPERATIONS ABOUT PUBLIC THOROUGHFARES AND ADJACENT PROPERTY.
34. NO BURNING OR INCINERATION OF RUBBISH WILL BE PERMITTED ON SITE.
35. NO CONSTRUCTION ACTIVITY SHALL BEGIN UNTIL ALL PROPER SIGNS AND BARRICADES HAVE BEEN INSTALLED. THIS SHALL INCLUDE INSTALLING EROSION AND SEDIMENT CONTROL DEVICES.
36. ALL REMOVAL OR EXCAVATION ITEMS BEING DISPOSED OF AT AN UNCONTAMINATED SOIL FILL OPERATION OR CLEAN CONSTRUCTION AND DEMOLITION DEBRIS (CCDD) FILL SITE SHALL MEET THE REQUIREMENTS OF PUBLIC ACT 96-1416. ALL COSTS ASSOCIATED WITH MEETING THESE REQUIREMENTS SHALL BE INCLUDED IN THE UNIT PRICE COST FOR THE ASSOCIATED REMOVAL OR EXCAVATION ITEMS IN THE CONTRACT. THESE COSTS SHALL INCLUDE BUT ARE NOT LIMITED TO ALL REQUIRED TESTING, LAB ANALYSIS, CERTIFICATION BY A LICENSED PROFESSIONAL ENGINEER, AND STATE AND LOCAL TIPPING FEES.
37. PRECONSTRUCTION MEETING WILL BE HELD AT LEAST 7 DAYS PRIOR TO START OF CONSTRUCTION.
38. ALL PERMITS AND LICENSES MUST BE OBTAINED PRIOR TO START OF CONSTRUCTION.
39. RESIDENTS SHALL HAVE ACCESS TO THE ROAD AND ALL DRIVEWAYS AT THE END OF EACH WORKING DAY. ALL TRENCHES SHALL BE BACKFILLED AT THE END OF EACH WORKING DAY.
40. NO STOCKPILES OF MATERIAL WILL BE ALLOWED OVERNIGHT.
41. AT THE END OF EACH DAY, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ASSURE THAT ALL STREETS ADJACENT TO THE PROJECT ARE FREE OF ALL CONSTRUCTION RELATED DEBRIS INCLUDING DIRT, STONE, NAILS, ETC. THE WORK SHALL BE DONE TO THE SATISFACTION OF THE ENGINEER AND VILLAGE OF VILLA PARK.

IEPA WATER MAIN PROTECTION NOTES

HORIZONTAL SEPARATION

1. WATER MAINS SHALL BE LAID AT LEAST TEN (10'-0") FEET HORIZONTALLY FROM ANY EXISTING OR PROPOSED DRAIN, STORM SEWER, SANITARY SEWER, OR SEWER SERVICES CONNECTION.
2. WATER MAINS MAY BE LAID CLOSER THAN TEN (10'-0") FEET TO A SEWER LINE WHEN:
 - A. LOCAL CONDITIONS PREVENT A LATERAL SEPARATION OF TEN (10'-0") FEET;
 - B. THE WATER MAIN INVERT IS AT LEAST EIGHTEEN (18") ABOVE THE CROWN OF THE SEWER; AND
 - C. THE WATER MAIN IS EITHER IN A SEPARATE TRENCH OR IN THE SAME TRENCH ON AN UNDISTURBED EARTH SHELF LOCATED TO ONE SIDE OF THE SEWER.
3. BOTH THE WATER MAIN AND DRAIN OR SEWER SHALL BE CONSTRUCTED WITH PIPE EQUIVALENT TO WATER MAIN STANDARDS OF CONSTRUCTION WHEN IT IS IMPOSSIBLE TO MEET 1. OR 2. ABOVE. THE DRAIN OR SEWER SHALL BE PRESSURE TESTED TO THE MAXIMUM EXPECTED SURCHARGE HEAD BEFORE BACKFILLING.

VERTICAL SEPARATION

1. A WATER MAIN SHALL BE LAID SO THAT ITS INVERT IS EIGHTEEN (18") INCHES ABOVE THE CROWN OF THE DRAIN OR SEWER WHENEVER WATER MAINS CROSS STORM SEWERS, SANITARY SEWERS, OR SEWER SERVICE CONNECTIONS. THE VERTICAL SEPARATION SHALL BE MAINTAINED FOR THAT PORTION OF THE WATER MAIN LOCATED WITHIN TEN (10'-0") FEET HORIZONTALLY OF ANY SEWER OR DRAIN CROSSED. A LENGTH OF WATER MAIN PIPE SHALL BE ENTERED OVER THE SEWER TO BE CROSSED WITH JOINTS EQUIDISTANCE FROM THE SEWER OR DRAIN.
 2. BOTH THE WATER MAINS AND SEWER SHALL BE CONSTRUCTED WITH SEWER PIPE EQUIVALENT TO WATER MAIN STANDARDS OF CONSTRUCTION WHEN:
 - A. IT IS IMPOSSIBLE TO OBTAIN THE PROPER VERTICAL SEPARATION AS DESCRIBED IN 1. ABOVE; OR
 - B. THE WATER MAIN PASSES UNDER A SEWER OR DRAIN.
 3. A VERTICAL SEPARATION OF EIGHTEEN (18") INCHES BETWEEN THE INVERT OF THE SEWER OR DRAIN AND THE CROWN OF THE WATER MAIN SHALL BE MAINTAINED WHERE A WATERMAIN CROSSES UNDER A SEWER. SUPPORT THE SEWER OR DRAIN LINES TO PREVENT SETTLING AND BREAKING THE WATER MAIN.
 4. CONSTRUCTION SHALL EXTEND ON EACH SIDE OF THE CROSSING UNTIL THE NORMAL DISTANCE FROM THE WATERMAIN TO THE SEWER OR DRAIN LINE IS AT LEAST TEN (10'-0") FEET.
- FOR SEWER AND WATER MAIN CROSSINGS, REINFORCED CONCRETE PIPE WITH RUBBER GASKETS MEETING ASTM C-443 SHALL BE ALLOWED.

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 (847) 823-0500



VILLAGE OF VILLA PARK
 20 S. Ardmore Ave.
 Villa Park, IL 60181-2696

NO.	DATE	NATURE OF REVISION	CHKD.	MODEL:
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TITLE: **THIRD AVENUE IMPROVEMENTS INDEX OF SHEETS, HIGHWAY STANDARDS, AND GENERAL NOTES**

PROJ. NO. 140092.00020
 DATE: 2/18/2021
 SHEET 2 OF 17
 DRAWING NO. **NOT-1**

SUMMARY OF QUANTITIES

SP	ITEM NO.	PAY ITEM NAME	UNITS	TOTAL QUANTITY
	1	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	15
	2	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	145
#	3	TREE TRUNK PROTECTION	EACH	23
#	4	TREE ROOT PRUNING	EACH	10
	5	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	115
	6	POROUS GRANULAR EMBANKMENT	CU YD	115
#	7	TRENCH BACKFILL	CU YD	1726
	8	SUPPLEMENTAL WATERING	UNIT	20
#	9	INLET FILTERS	EACH	22
#	10	BITUMINOUS MATERIALS (TACK COAT)	POUND	2237
	11	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	65
	12	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50	TON	154
	13	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	280
#	14	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	80
#	15	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	2825
#	16	DETECTABLE WARNINGS	SQ FT	120
#	17	DRIVEWAY PAVEMENT REMOVAL	SQ YD	173
#	18	COMBINATION CURB AND GUTTER REMOVAL	FOOT	800
#	19	SIDEWALK REMOVAL	SQ FT	2825
#	20	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	FOOT	164
#	21	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 18"	FOOT	211
#	22	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 3 24"	FOOT	609
	23	STORM SEWER REMOVAL 8"	FOOT	71
	24	STORM SEWER REMOVAL 12"	FOOT	88
#	25	DUCTILE IRON WATER MAIN 6"	FOOT	75
#	26	WATER VALVES 6"	EACH	3
#	27	ADJUSTING WATER MAIN 6"	FOOT	25
#	28	ADJUSTING SANITARY SEWERS, 8-INCH DIAMETER OR LESS	FOOT	75
#	29	FIRE HYDRANTS TO BE REMOVED	EACH	4
#	30	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX	EACH	5
	31	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	EACH	2
	32	CATCH BASINS, TYPE C, TYPE 11 FRAME AND GRATE	EACH	10
	33	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1
	34	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	4
#	35	VALVE VAULTS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	3
	36	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	2
#	37	REMOVING MANHOLES	EACH	4
	38	CONCRETE CURB, TYPE B	FOOT	75
	39	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	282
	40	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	44
#	41	CURED-IN-PLACE PIPE LINER, 10"	FOOT	640

SP	ITEM NO.	PAY ITEM NAME	UNITS	TOTAL QUANTITY
#	42	CURED-IN-PLACE PIPE LINER, 8"	FOOT	503
#	43	SANITARY SEWER REMOVAL 10"	FOOT	15
#	44	SANITARY SEWER REMOVAL 8"	FOOT	229
#	45	EXPLORATION TRENCH, SPECIAL	FOOT	250
#	46	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	1511
#	47	SANITARY MANHOLES TO BE ADJUSTED	EACH	2
#	48	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1
#	49	SANITARY SEWER, PVC, 8"	FOOT	229
#	50	SANITARY SEWER, PVC, 10"	FOOT	15
#	51	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 4"	SQ YD	130
#	52	CONSTRUCTION LAYOUT	L SUM	1
#	53	DRAINAGE & UTILITY STRUCTURES TO BE ADJUSTED	EACH	1
#	54	DRAINAGE STRUCTURE TO BE REMOVED	EACH	6
#	55	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	FOOT	27
#	56	STORM SEWER (WATER MAIN REQUIREMENTS) 24 INCH	FOOT	48
#	57	CLASS C PATCHES, SPECIAL, 7"	SQ YD	1632
#	58	CLASS D PATCHES, SPECIAL, 6"	SQ YD	145
#	59	COMBINATION CONCRETE CURB AND GUTTER REPLACEMENT	FOOT	800
#	60	COMBINED MANHOLE LINING	V FOOT	20
#	61	CONTINGENCY ALLOWANCE	DOLLAR	75000
#	62	LATERAL SANITARY SERVICE GROUTING	EACH	18
#	63	PARKWAY RESTORATION - SODDING, SALT TOLERANT	SQ YD	675
#	64	PRE-CONSTRUCTION VIDEO RECORDING	LSUM	1
#	65	PROJECT SIGN	LSUM	1
#	66	SANITARY MANHOLE, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	3
#	67	SANITARY MANHOLE, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1
#	68	SANITARY SERVICE CONNECTION	EACH	4
#	69	SANITARY SERVICE REPLACEMENT	FOOT	160
#	70	SANITARY SEWER (WATER MAIN REQUIREMENTS), 8"	FOOT	30
#	71	SANITARY SEWER SERVICE COMBINATION CLEANOUT CHECK VALVE	EACH	8
#	72	SHUTDOWN WATER MAIN CONNECTION	EACH	5
#	73	STORM SEWER CONNECTION TO EXISTING MANHOLE	EACH	1
#	74	STORM SEWERS, CLASS B (PVC), 6"	FOOT	100
#	75	TREE PRUNING	EACH	10
#	76	TREES	EACH	7
#	77	WATER SERVICE CONNECTION (LONG), 1"	EACH	10
#	78	WATER SERVICE CONNECTION (SHORT), 1"	EACH	5
#	79	WATER USAGE CREDIT	UNIT	100
#	80	WATER USAGE DEDUCTION	UNIT	100

DENOTES SPECIAL PROVISION

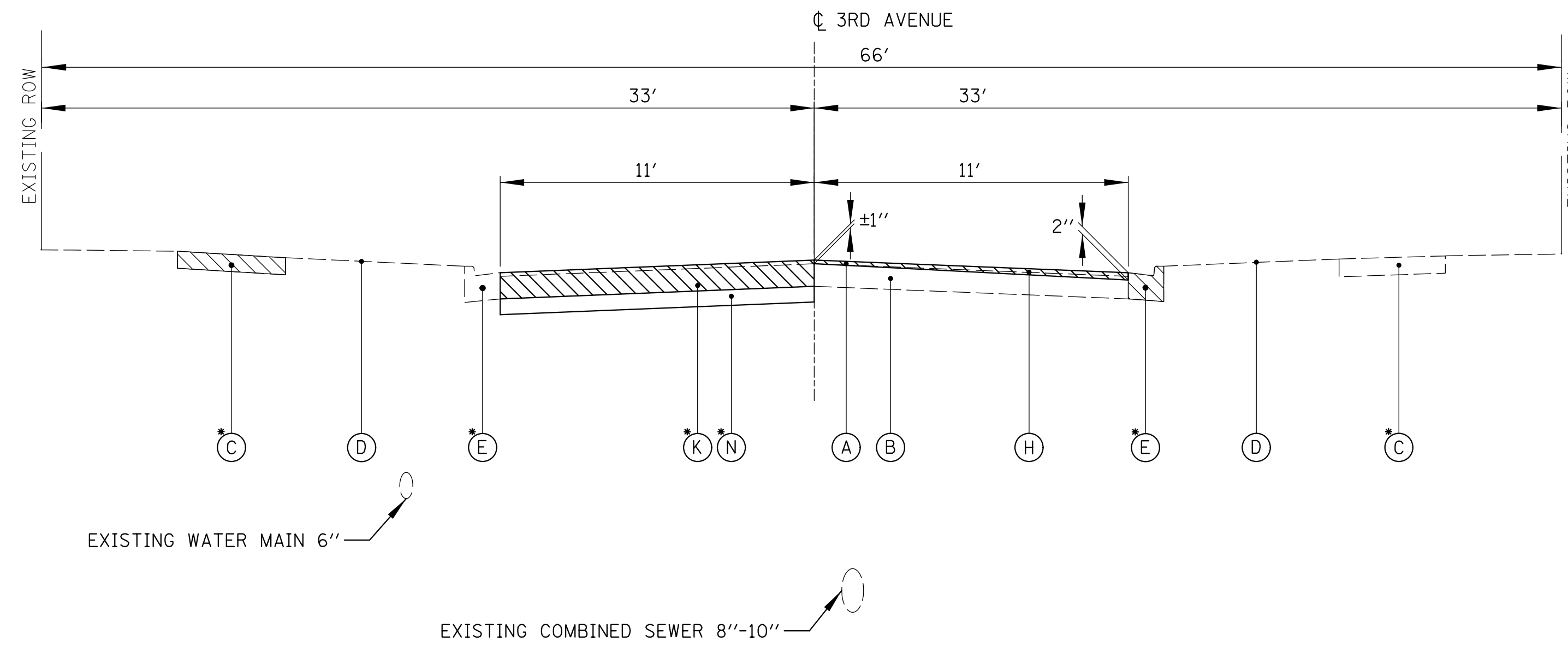
NOT FOR BID

CLIENT:



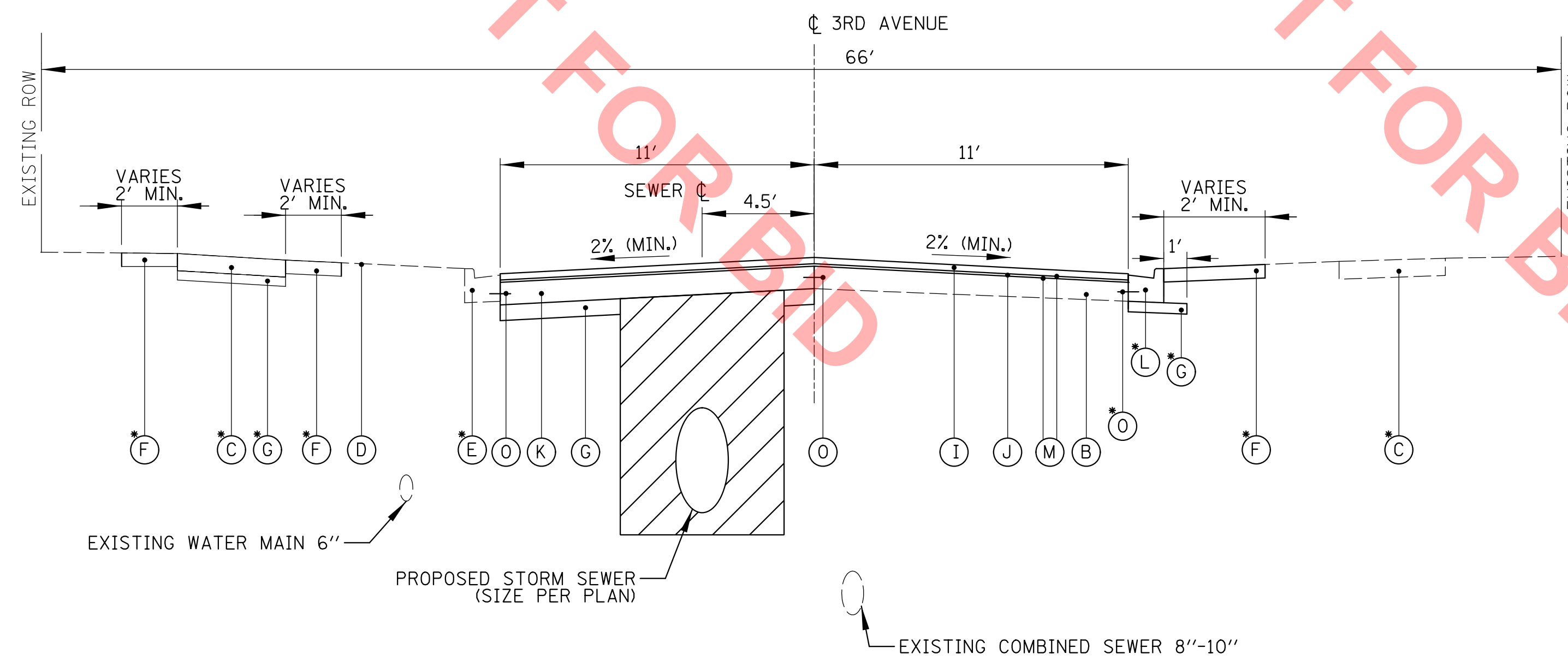
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FILE NAME	N:\VILLAPARK\140092.00020\Civil\QUA_140092_20_01.shd			

TITLE:



EXISTING TYPICAL SECTION

3RD AVENUE
STA. 102+56 TO STA. 111+15



PROPOSED TYPICAL SECTION

3RD AVENUE
STA. 102+56 TO STA. 111+15

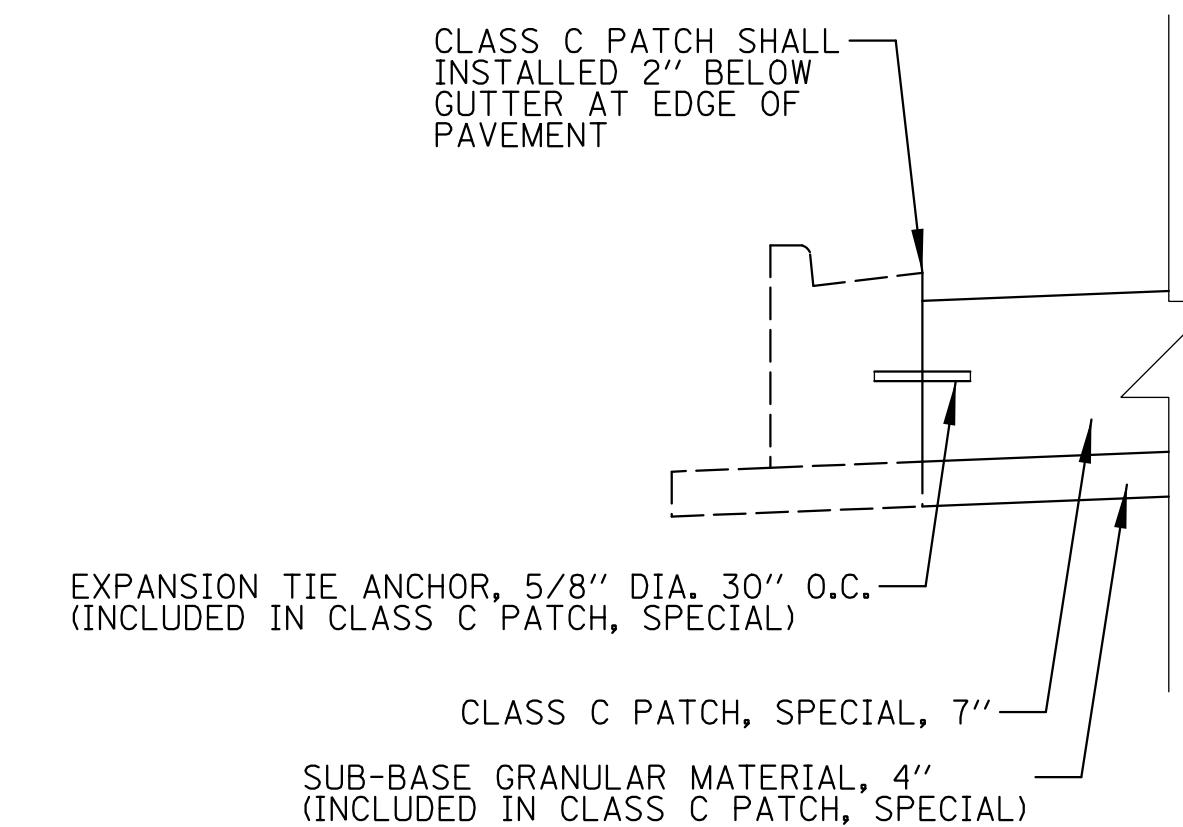
LEGEND:

- TRENCH BEDDING AND BACKFILL
- PAVEMENT REMOVAL
- AT LOCATIONS DIRECTED BY THE ENGINEER
- (A) EXISTING HMA SURFACE (SEE PAVEMENT CORES FOR THICKNESS)
- (B) EXISTING PCC BASE (SEE PAVEMENT CORES FOR THICKNESS)
- (C) EXISTING CONCRETE SIDEWALK OR SIDEWALK REPLACEMENT
- (D) EXISTING TOPSOIL AND GROUND COVER
- (E) EXISTING CURB AND GUTTER OR COMBINATION CURB AND GUTTER REPLACEMENT
- (F) PARKWAY RESTORATION - SODDING, SALT TOLERANT
- (G) SUB-BASE GRANULAR MATERIAL (CA-6), 4" (INCLUDED IN COST OF PROPOSED C & G, SIDEWALK OR CLASS C PATCH)
- (H) HMA SURFACE REMOVAL, VARIABLE DEPTH (SEE NOTE 1)
- (I) HMA SURFACE COURSE, MIX "D", IL-9.5, N50, 1.5"
- (J) POLYMERIZED HMA BINDER COURSE, IL-4.75, N50, 3/4"
- (K) CLASS C PATCHES, SPECIAL, 7" (INCLUDES PAVEMENT REMOVAL)
- (L) COMBINATION CONCRETE CURB AND GUTTER REPLACEMENT
- (M) BITUMINOUS MATERIALS (TACK COAT)
- (N) 4" SUBGRADE EXCAVATION, TYP. (INCLUDED IN COST OF CLASS C PATCH)
- (O) EXPANSION TIE ANCHORS, 5/8" DIA. 30" O.C., TYP. (INCLUDED IN CLASS C PATCH OR PR. CURB AND GUTTER)

NOTES:

1. THE ENTIRE EXISTING HMA SURFACE SHALL BE REMOVED FROM THE PORTIONS OF EXISTING PCC BASE TO REMAIN. HMA SURFACE REMOVAL, VARIABLE DEPTH SHALL ALSO INCLUDE REMOVAL OF PORTIONS OF THE EXISTING PCC BASE COURSE REQUIRED TO MEET THE GRINDING DEPTHS AT THE EDGE OF PAVEMENT SHOWN ON THE TYPICAL SECTIONS. EXISTING STEEL REINFORCEMENT WAS OBSERVED IN THE PCC BASE APPROX. 3"-5" BELOW THE TOP OF THE PCC BASE.
2. THE LIMITS OF ADDITIONAL SPOT REPAIRS (PATCHING, CURB AND GUTTER REPLACEMENT, SIDEWALK REPLACEMENT AND DRIVEWAY REPLACEMENT) BEYOND WHAT IS SHOWN IN THE PLANS WILL BE MARKED IN THE FIELD BY THE ENGINEER PRIOR TO CONSTRUCTION.
3. UNDERCUT QUANTITIES HAVE BEEN INCLUDED IF POOR SOILS ARE ENCOUNTERED AT PATCHING LOCATIONS OR AT THE BOTTOM OF THE SEWER TRENCH. REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL AND POROUS GRANULAR EMBANKMENT SHALL BE USED AS DIRECTED BY THE ENGINEER.

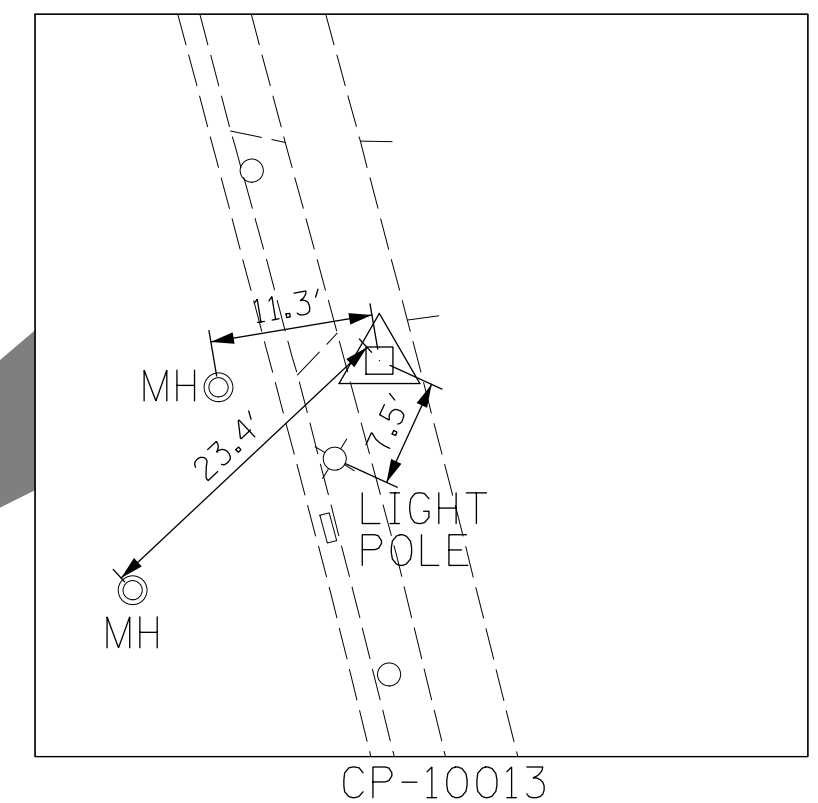
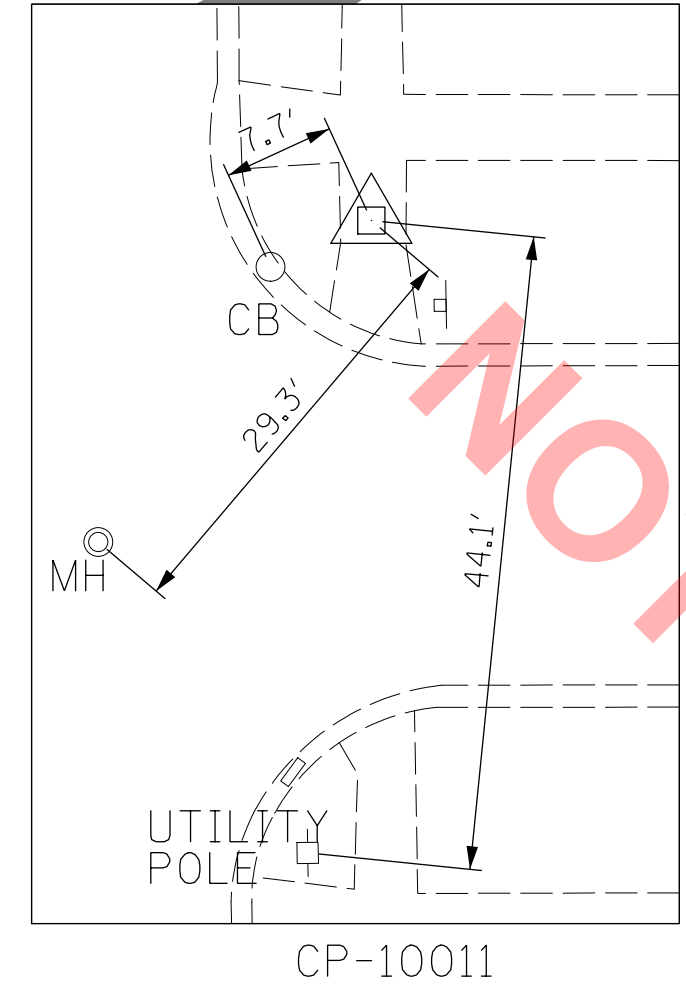
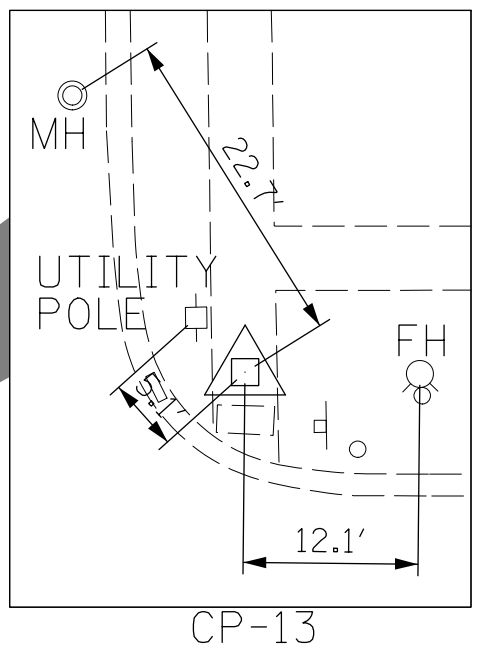
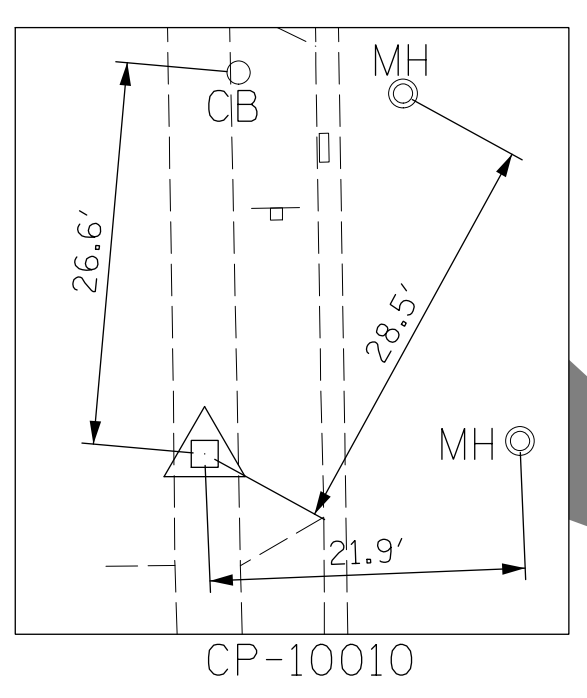
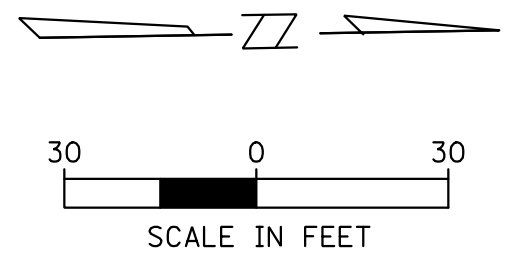
CLASS C PATCH, SPECIAL DETAIL



NOTES:

1. PRIOR TO CONSTRUCTION OF CLASS C PATCHES, THE EXISTING HMA SURFACE SHALL BE COMPLETELY REMOVED FROM ALL PORTIONS OF EXISTING PCC BASE TO REMAIN. AFTER HMA SURFACE REMOVAL IS COMPLETE, CLASS C PATCHES SHALL BE INSTALLED FLUSH WITH THE SURFACE OF THE ADJACENT EXISTING PCC BASE.

NO.	DATE	NATURE OF REVISION	CHKD.	MODEL:
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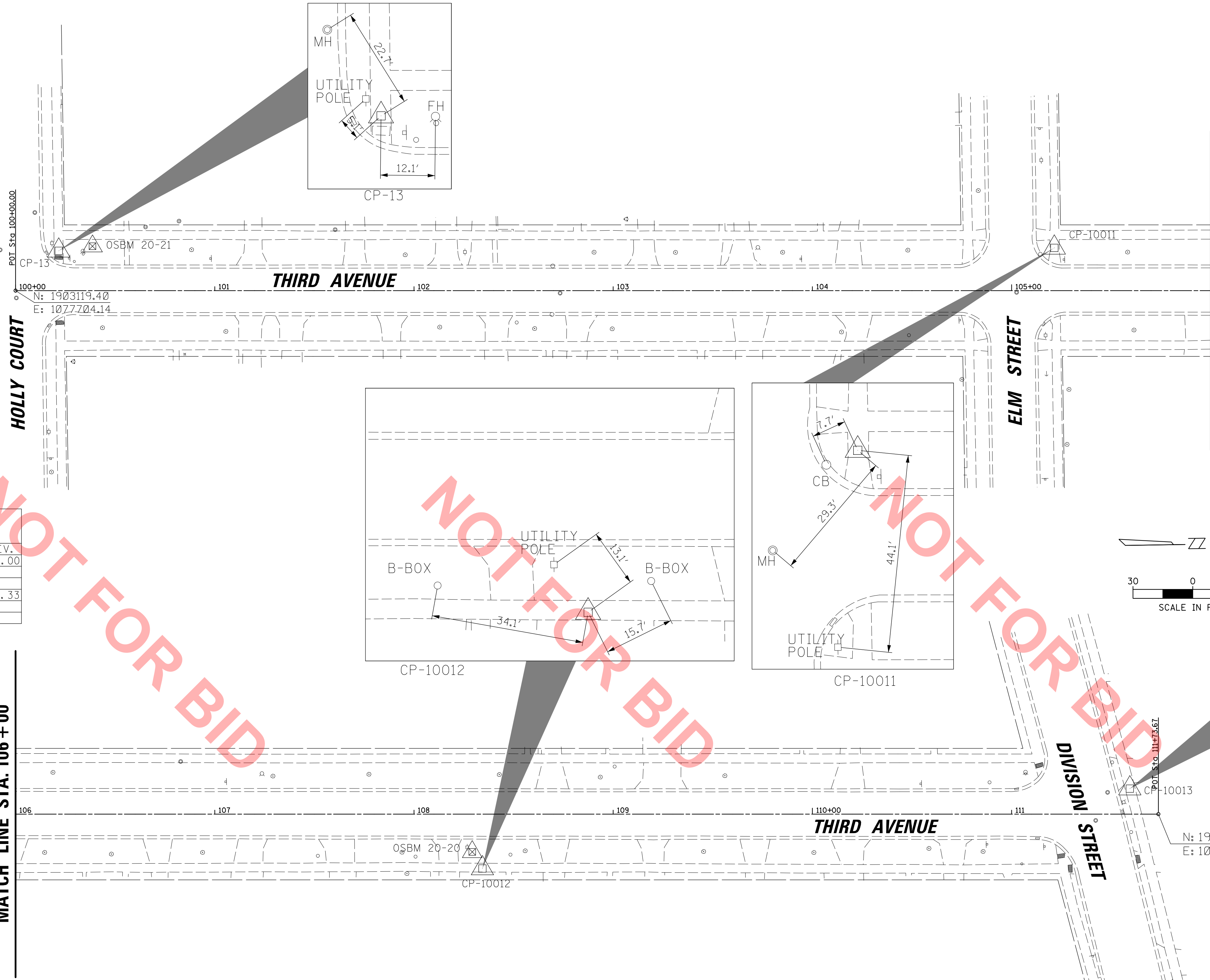


NO.	DESCRIPTION	ELEV.
OSBM 20-20	MINI RAILROAD SPIKE SET IN WEST FACE OF WOOD LIGHT POLE ON EAST SIDE OF 3RD AV. BETWEEN HOUSES #225 & #221	714.00
OSBM 20-21	NORTHWEST FLANGE BOLD OF HYDRANT AT THE NORTHWEST CORNER OF HOLLY CT. & 3RD AV.	700.33

NOT FOR BID


MATCH LINE STA. 106 + 00

MATCH LINE STA. 106 + 00



POINT NO.	NORTHING (Y)	EASTING (X)	DESCRIPTION	STATION	OFFSET
13	1 903 141.40	1 077 684.53	CP-XCUT	100+21.67	19.98' RT
10010	1 903 097.82	1 077 708.36	CP-XCUT	N/A	N/A
10011	1 903 641.14	1 077 691.48	CP-XCUT	105+21.45	21.45' LT
10012	1 903 953.19	1 077 745.50	CP-XCUT	108+34.36	27.31' RT
10013	1 904 278.80	1 077 710.89	CP-XCUT	N/A	N/A

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 9575 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-0500

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VILLAGE OF VILLA PARK
 20 S. Ardmore Ave.
 Villa Park, IL 60181-2696

NO.	DATE	NATURE OF REVISION	CHKD.	MODEL:
FILE NAME	N:\VILLAPARK\140092.00020\Civil\BMK_140092_20_01.sht			

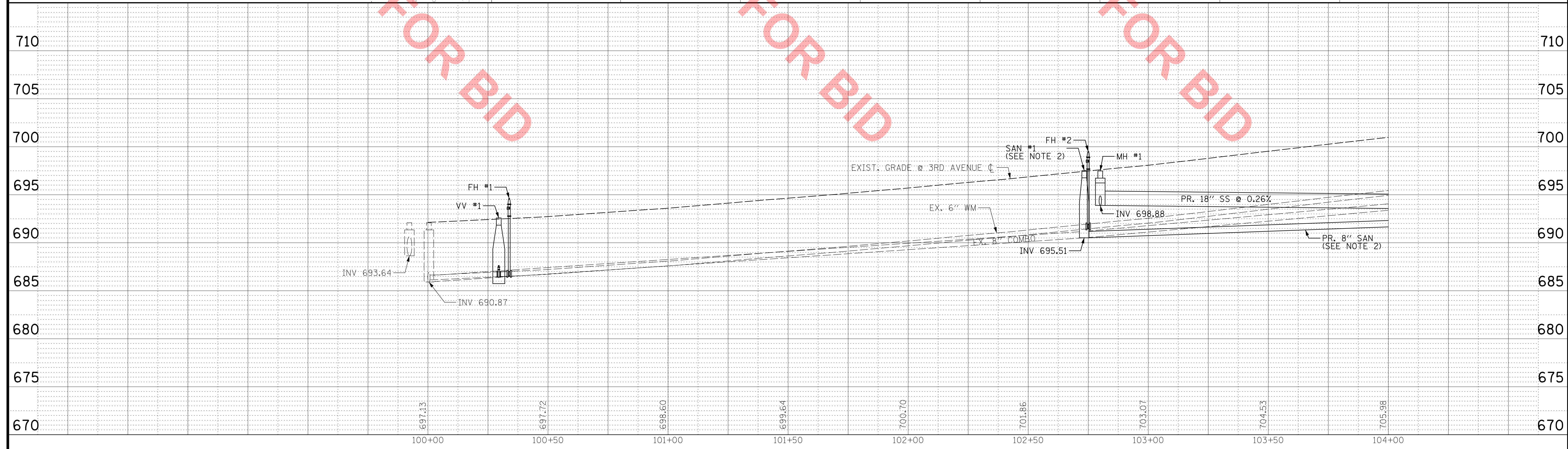
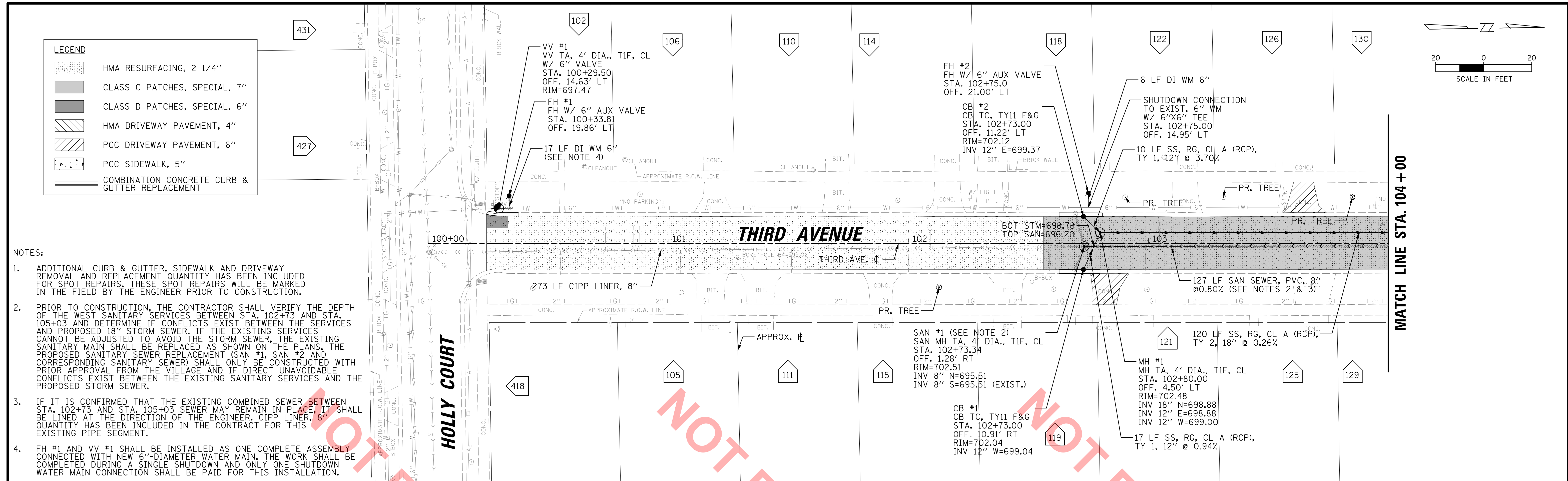
TITLE:
**THIRD AVENUE IMPROVEMENTS
 ALIGNMENT, TIES, AND BENCHMARKS**

PROJ. NO. 140092.00020
 DATE: 2/18/2021
 SHEET 6 OF 17
 DRAWING NO.
BMK-1

LEGEND

- HMA RESURFACING, 2 1/4"
- CLASS C PATCHES, SPECIAL, 7"
- CLASS D PATCHES, SPECIAL, 6"
- HMA DRIVEWAY PAVEMENT, 4"
- PCC DRIVEWAY PAVEMENT, 6"
- PCC SIDEWALK, 5"
- COMBINATION CONCRETE CURB & GUTTER REPLACEMENT

- NOTES:**
- ADDITIONAL CURB & GUTTER, SIDEWALK AND DRIVEWAY REMOVAL AND REPLACEMENT QUANTITY HAS BEEN INCLUDED FOR SPOT REPAIRS. THESE SPOT REPAIRS WILL BE MARKED IN THE FIELD BY THE ENGINEER PRIOR TO CONSTRUCTION.
 - PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THE DEPTH OF THE WEST SANITARY SERVICES BETWEEN STA. 102+73 AND STA. 105+03 AND DETERMINE IF CONFLICTS EXIST BETWEEN THE SERVICES AND PROPOSED 18" STORM SEWER. IF THE EXISTING SERVICES CANNOT BE ADJUSTED TO AVOID THE STORM SEWER, THE EXISTING SANITARY MAIN SHALL BE REPLACED AS SHOWN ON THE PLANS. THE PROPOSED SANITARY SEWER REPLACEMENT (SAN #1, SAN #2 AND CORRESPONDING SANITARY SEWER) SHALL ONLY BE CONSTRUCTED WITH PRIOR APPROVAL FROM THE VILLAGE AND IF DIRECT UNAVOIDABLE CONFLICTS EXIST BETWEEN THE EXISTING SANITARY SERVICES AND THE PROPOSED STORM SEWER.
 - IF IT IS CONFIRMED THAT THE EXISTING COMBINED SEWER BETWEEN STA. 102+73 AND STA. 105+03 SEWER MAY REMAIN IN PLACE, IT SHALL BE LINED AT THE DIRECTION OF THE ENGINEER. CIPP LINER, 8" QUANTITY HAS BEEN INCLUDED IN THE CONTRACT FOR THIS EXISTING PIPE SEGMENT.
 - FH #1 AND VV #1 SHALL BE INSTALLED AS ONE COMPLETE ASSEMBLY CONNECTED WITH NEW 6"-DIAMETER WATER MAIN. THE WORK SHALL BE COMPLETED DURING A SINGLE SHUTDOWN AND ONLY ONE SHUTDOWN WATER MAIN CONNECTION SHALL BE PAID FOR THIS INSTALLATION.



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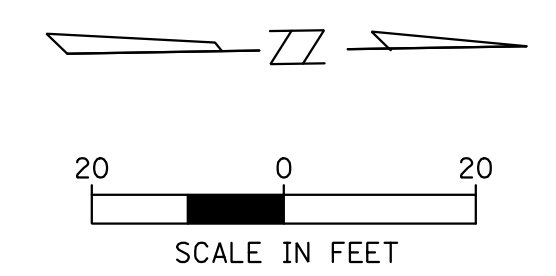
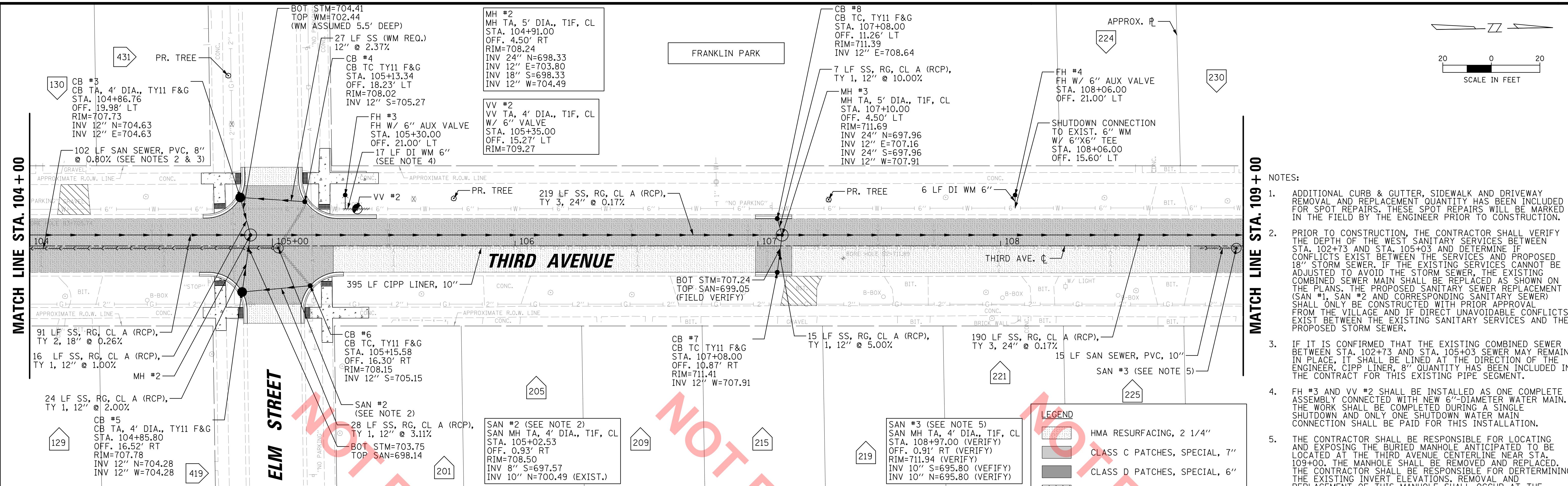
CLIENT:

VILLAGE OF VILLA PARK
 20 S. Ardmore Ave.
 Villa Park, IL 60181-2696

NO.	DATE	NATURE OF REVISION	CHKD.	MODEL:
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TITLE:
**THIRD AVENUE IMPROVEMENTS
 UTILITY PLAN & PROFILE**

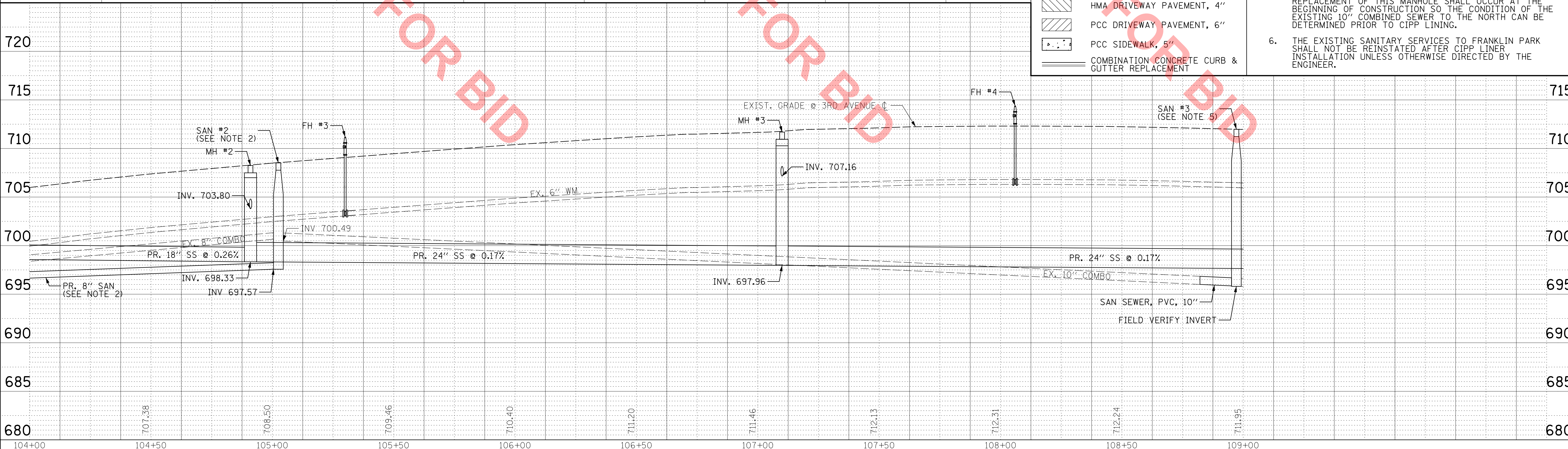
PROJ. NO. 140092.00020
 DATE: 2/18/2021
 SHEET 9 OF 17
 DRAWING NO.
UPP-1



- NOTES:
- ADDITIONAL CURB & GUTTER, SIDEWALK AND DRIVEWAY REMOVAL AND REPLACEMENT QUANTITY HAS BEEN INCLUDED FOR SPOT REPAIRS. THESE SPOT REPAIRS WILL BE MARKED IN THE FIELD BY THE ENGINEER PRIOR TO CONSTRUCTION.
 - PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THE DEPTH OF THE WEST SANITARY SERVICES BETWEEN STA. 102+73 AND STA. 105+03 AND DETERMINE IF CONFLICTS EXIST BETWEEN THE SERVICES AND PROPOSED 18" STORM SEWER. IF THE EXISTING SERVICES CANNOT BE ADJUSTED TO AVOID THE STORM SEWER, THE EXISTING COMBINED SEWER MAIN SHALL BE REPLACED AS SHOWN ON THE PLANS. THE PROPOSED SANITARY SEWER REPLACEMENT (SAN #1, SAN #2 AND CORRESPONDING SANITARY SEWER) SHALL ONLY BE CONSTRUCTED WITH PRIOR APPROVAL FROM THE VILLAGE AND IF DIRECT UNAVOIDABLE CONFLICTS EXIST BETWEEN THE EXISTING SANITARY SERVICES AND THE PROPOSED STORM SEWER.
 - IF IT IS CONFIRMED THAT THE EXISTING COMBINED SEWER BETWEEN STA. 102+73 AND STA. 105+03 SEWER MAY REMAIN IN PLACE, IT SHALL BE LINED AT THE DIRECTION OF THE ENGINEER. CIPP LINER, 8" QUANTITY HAS BEEN INCLUDED IN THE CONTRACT FOR THIS EXISTING PIPE SEGMENT.
 - FH #3 AND VV #2 SHALL BE INSTALLED AS ONE COMPLETE ASSEMBLY CONNECTED WITH NEW 6"-DIAMETER WATER MAIN. THE WORK SHALL BE COMPLETED DURING A SINGLE SHUTDOWN AND ONLY ONE SHUTDOWN WATER MAIN CONNECTION SHALL BE PAID FOR THIS INSTALLATION.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND EXPOSING THE BURIED MANHOLE ANTICIPATED TO BE LOCATED AT THE THIRD AVENUE CENTERLINE NEAR STA. 109+00. THE MANHOLE SHALL BE REMOVED AND REPLACED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXISTING INVERT ELEVATIONS, REMOVAL AND REPLACEMENT OF THIS MANHOLE SHALL OCCUR AT THE BEGINNING OF CONSTRUCTION SO THE CONDITION OF THE EXISTING 10" COMBINED SEWER TO THE NORTH CAN BE DETERMINED PRIOR TO CIPP LINING.
 - THE EXISTING SANITARY SERVICES TO FRANKLIN PARK SHALL NOT BE REINSTATED AFTER CIPP LINER INSTALLATION UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

LEGEND

	HMA RESURFACING, 2 1/4"
	CLASS C PATCHES, SPECIAL, 7"
	CLASS D PATCHES, SPECIAL, 6"
	HMA DRIVEWAY PAVEMENT, 4"
	PCC DRIVEWAY PAVEMENT, 6"
	PCC SIDEWALK, 5"
	COMBINATION CONCRETE CURB & GUTTER REPLACEMENT



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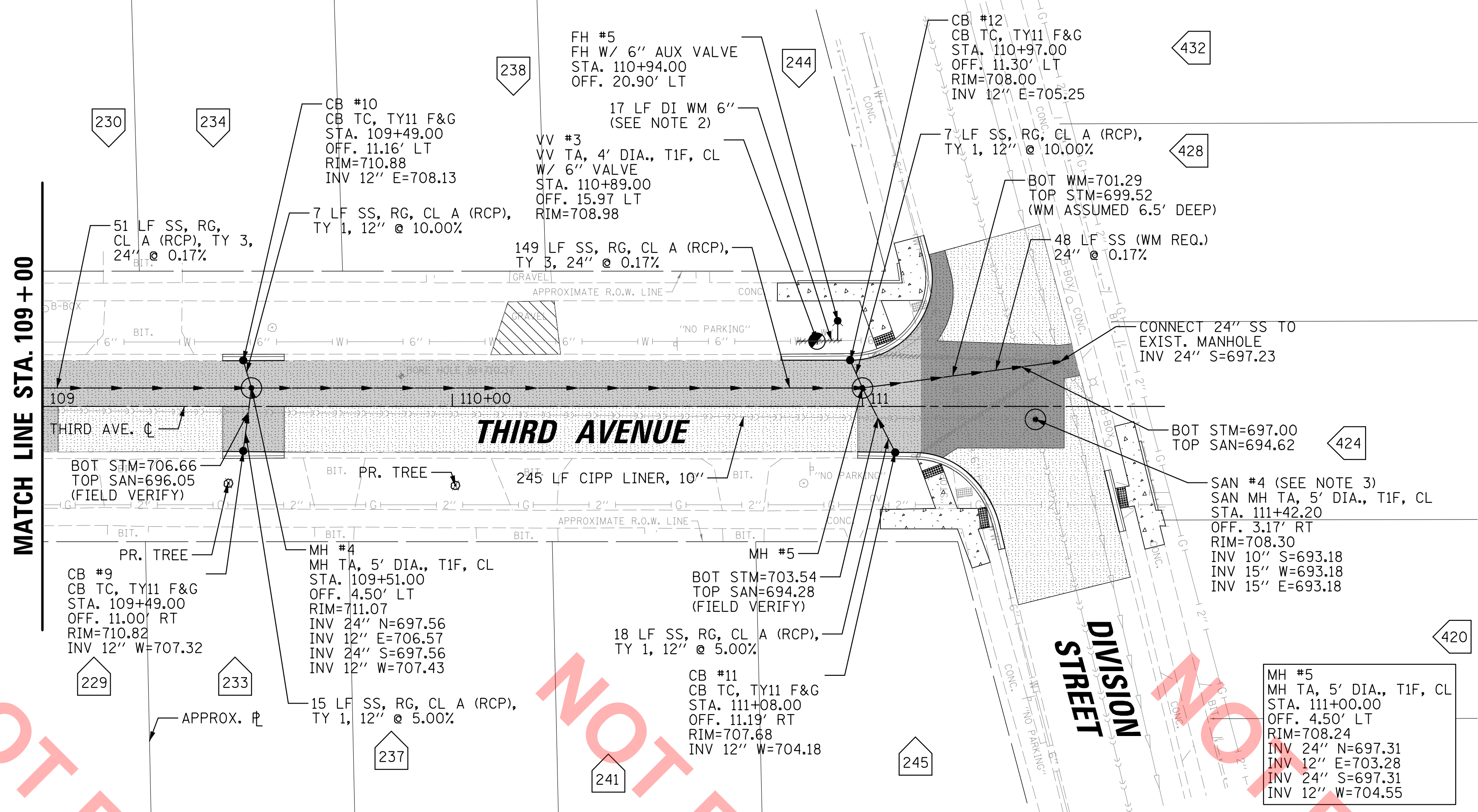
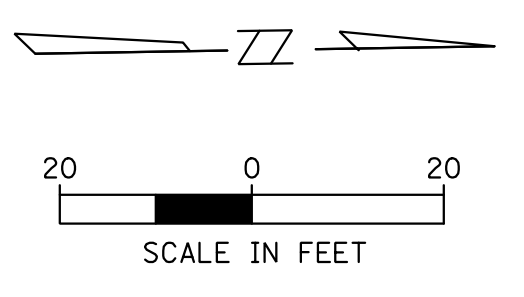
VILLAGE OF VILLA PARK
 20 S. Ardmore Ave.
 Villa Park, IL 60181-2696

DESIGNER:	AJS
DRAWN:	JRS
CHECKED:	BMW
SCALE:	20'
PLOT DATE:	2/18/2021
CAD USER:	aschaefer
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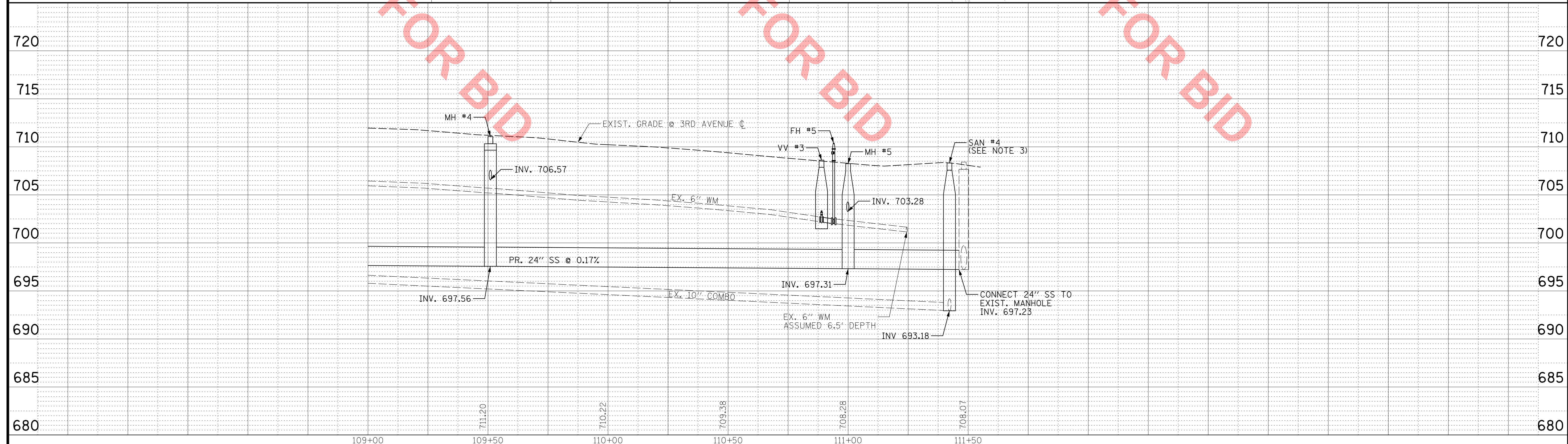
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**THIRD AVENUE IMPROVEMENTS
 UTILITY PLAN & PROFILE**

PROJ. NO. 140092.00020
 DATE: 2/18/2021
 SHEET 10 OF 17
 DRAWING NO.
UPP-2

LEGEND	
	HMA RESURFACING, 2 1/4"
	CLASS C PATCHES, SPECIAL, 7"
	CLASS D PATCHES, SPECIAL, 6"
	HMA DRIVEWAY PAVEMENT, 4"
	PCC DRIVEWAY PAVEMENT, 6"
	PCC SIDEWALK, 5"
	COMBINATION CONCRETE CURB & GUTTER REPLACEMENT



- NOTES:**
- ADDITIONAL CURB & GUTTER, SIDEWALK AND DRIVEWAY REMOVAL AND REPLACEMENT QUANTITY HAS BEEN INCLUDED FOR SPOT REPAIRS. THESE SPOT REPAIRS WILL BE MARKED IN THE FIELD BY THE ENGINEER PRIOR TO CONSTRUCTION.
 - FH #5 AND VV #3 SHALL BE INSTALLED AS ONE COMPLETE ASSEMBLY CONNECTED WITH NEW 6"-DIAMETER WATER MAIN. THE WORK SHALL BE COMPLETED DURING A SINGLE SHUTDOWN AND ONLY ONE SHUTDOWN WATER MAIN CONNECTION SHALL BE PAID FOR THIS INSTALLATION.
 - REMOVAL AND REPLACEMENT OF THE EXISTING COMBINED SEWER MANHOLE IN THE INTERSECTION OF THIRD AVENUE AND DIVISION STREET SHALL OCCUR AT THE BEGINNING OF CONSTRUCTION SO THE CONDITION OF THE EXISTING 10" COMBINED SEWER TO THE SOUTH CAN BE DETERMINED PRIOR TO CIPP LINING.



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Villa Park, IL 60181-2696

NO.	DATE	NATURE OF REVISION	CHKD.	MODEL:
1				

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TITLE:
THIRD AVENUE IMPROVEMENTS
UTILITY PLAN & PROFILE

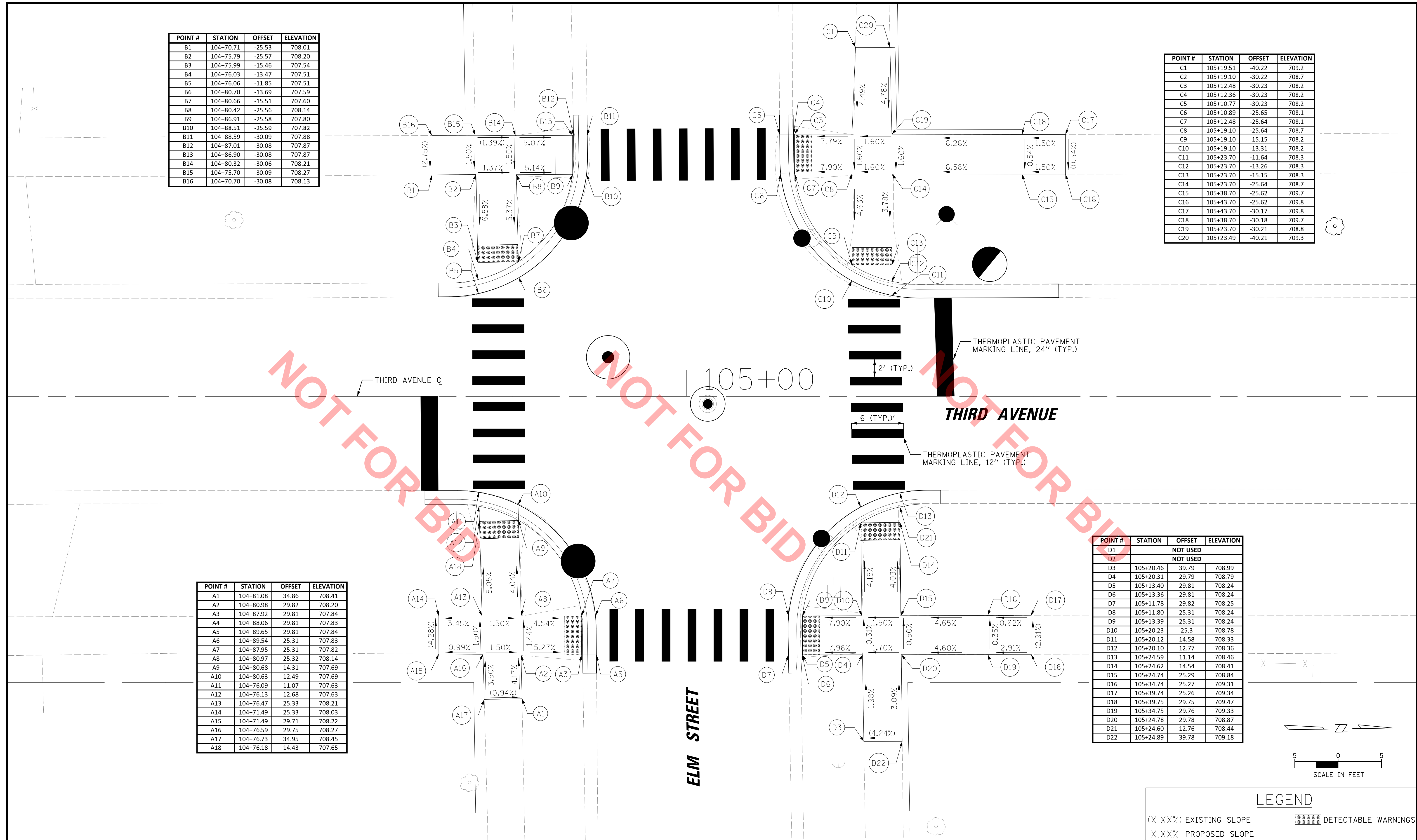
PROJ. NO. 140092.00020
DATE: 2/18/2021
SHEET 11 OF 17
DRAWING NO.
UPP-3

POINT #	STATION	OFFSET	ELEVATION
B1	104+70.71	-25.53	708.01
B2	104+75.79	-25.57	708.20
B3	104+75.99	-15.46	707.54
B4	104+76.03	-13.47	707.51
B5	104+76.06	-11.85	707.51
B6	104+80.70	-13.69	707.59
B7	104+80.66	-15.51	707.60
B8	104+80.42	-25.56	708.14
B9	104+86.91	-25.58	707.80
B10	104+88.51	-25.59	707.82
B11	104+88.59	-30.09	707.88
B12	104+87.01	-30.08	707.87
B13	104+86.90	-30.08	707.87
B14	104+80.32	-30.06	708.21
B15	104+75.70	-30.09	708.27
B16	104+70.70	-30.08	708.13

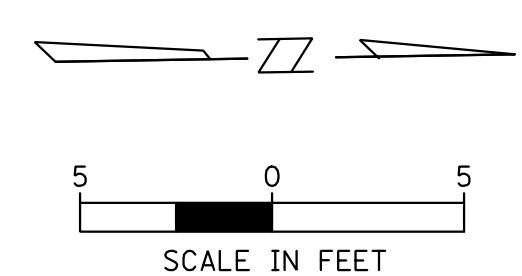
POINT #	STATION	OFFSET	ELEVATION
C1	105+19.51	-40.22	709.2
C2	105+19.10	-30.22	708.7
C3	105+12.48	-30.23	708.2
C4	105+12.36	-30.23	708.2
C5	105+10.77	-30.23	708.2
C6	105+10.89	-25.65	708.1
C7	105+12.48	-25.64	708.1
C8	105+19.10	-25.64	708.7
C9	105+19.10	-15.15	708.2
C10	105+19.10	-13.31	708.2
C11	105+23.70	-11.64	708.3
C12	105+23.70	-13.26	708.3
C13	105+23.70	-15.15	708.3
C14	105+23.70	-25.64	708.7
C15	105+38.70	-25.62	709.7
C16	105+43.70	-25.62	709.8
C17	105+43.70	-30.17	709.8
C18	105+38.70	-30.18	709.7
C19	105+23.70	-30.21	708.8
C20	105+23.49	-40.21	709.3

POINT #	STATION	OFFSET	ELEVATION
A1	104+81.08	34.86	708.41
A2	104+80.98	29.82	708.20
A3	104+87.92	29.81	707.84
A4	104+88.06	29.81	707.83
A5	104+89.65	29.81	707.84
A6	104+89.54	25.31	707.83
A7	104+87.95	25.31	707.82
A8	104+80.97	25.32	708.14
A9	104+80.68	14.31	707.69
A10	104+80.63	12.49	707.69
A11	104+76.09	11.07	707.63
A12	104+76.13	12.68	707.63
A13	104+76.47	25.33	708.21
A14	104+71.49	25.33	708.03
A15	104+71.49	29.71	708.22
A16	104+76.59	29.75	708.27
A17	104+76.73	34.95	708.45
A18	104+76.18	14.43	707.65

POINT #	STATION	OFFSET	ELEVATION
D1			NOT USED
D2			NOT USED
D3	105+20.46	39.79	708.99
D4	105+20.31	29.79	708.79
D5	105+13.40	29.81	708.24
D6	105+13.36	29.81	708.24
D7	105+11.78	29.82	708.25
D8	105+11.80	25.31	708.24
D9	105+13.39	25.31	708.24
D10	105+20.23	25.3	708.78
D11	105+20.12	14.58	708.33
D12	105+20.10	12.77	708.36
D13	105+24.59	11.14	708.46
D14	105+24.62	14.54	708.41
D15	105+24.74	25.29	708.84
D16	105+34.74	25.27	709.31
D17	105+39.74	25.26	709.34
D18	105+39.75	29.75	709.47
D19	105+34.75	29.76	709.33
D20	105+24.78	29.78	708.87
D21	105+24.60	12.76	708.44
D22	105+24.89	39.78	709.18




NOT FOR BID



LEGEND

(X.XX%) EXISTING SLOPE	DETECTABLE WARNINGS
X.XX% PROPOSED SLOPE	

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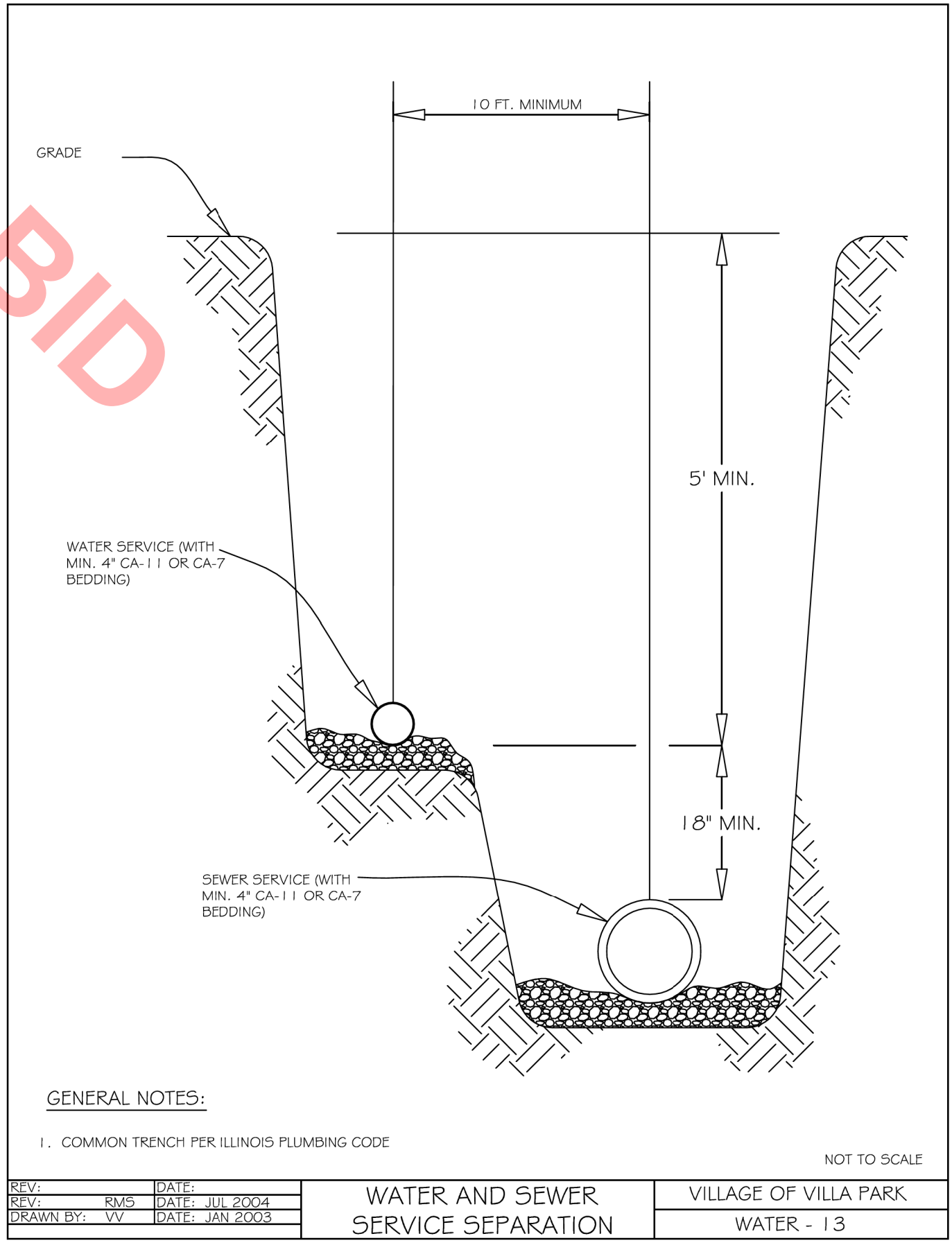
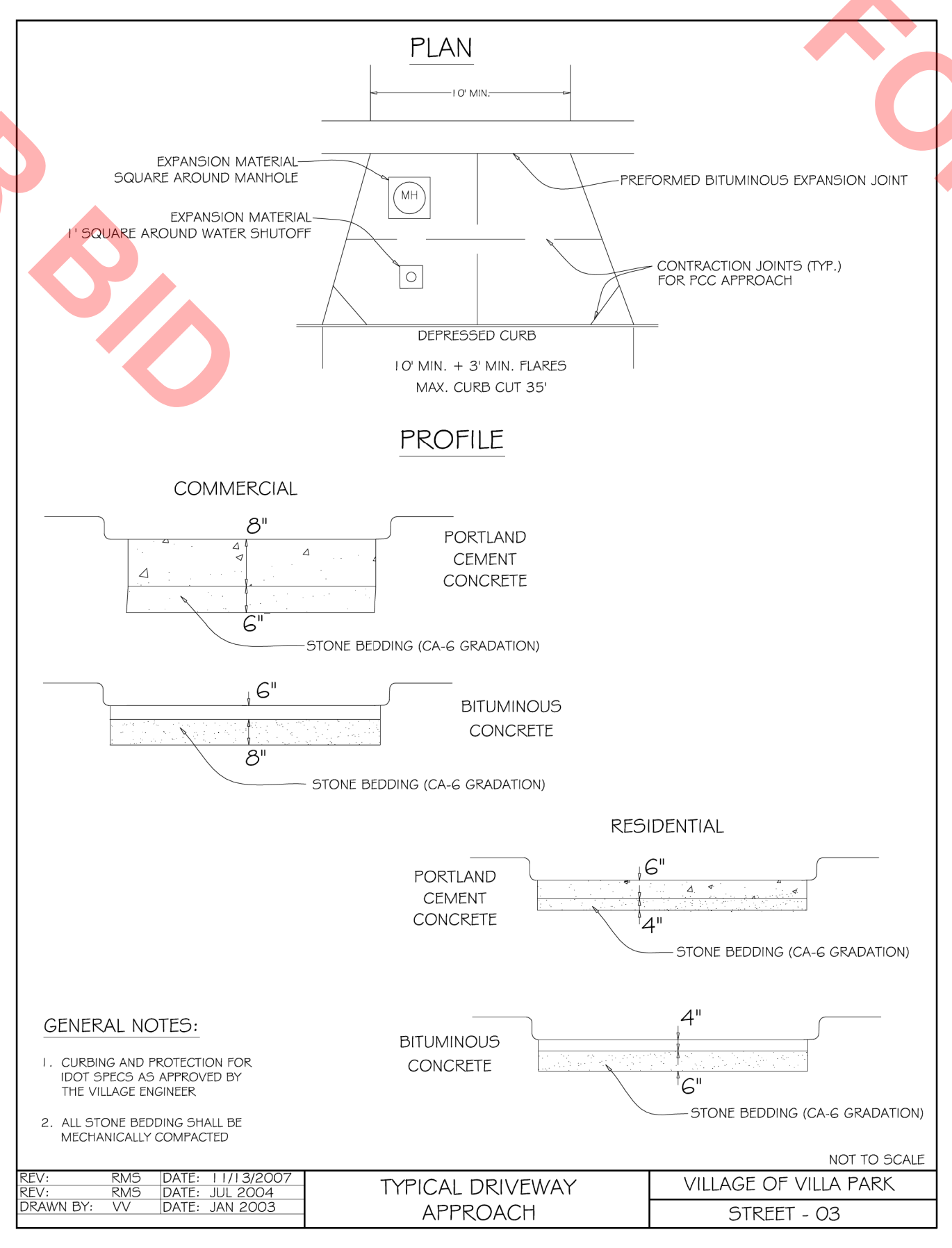
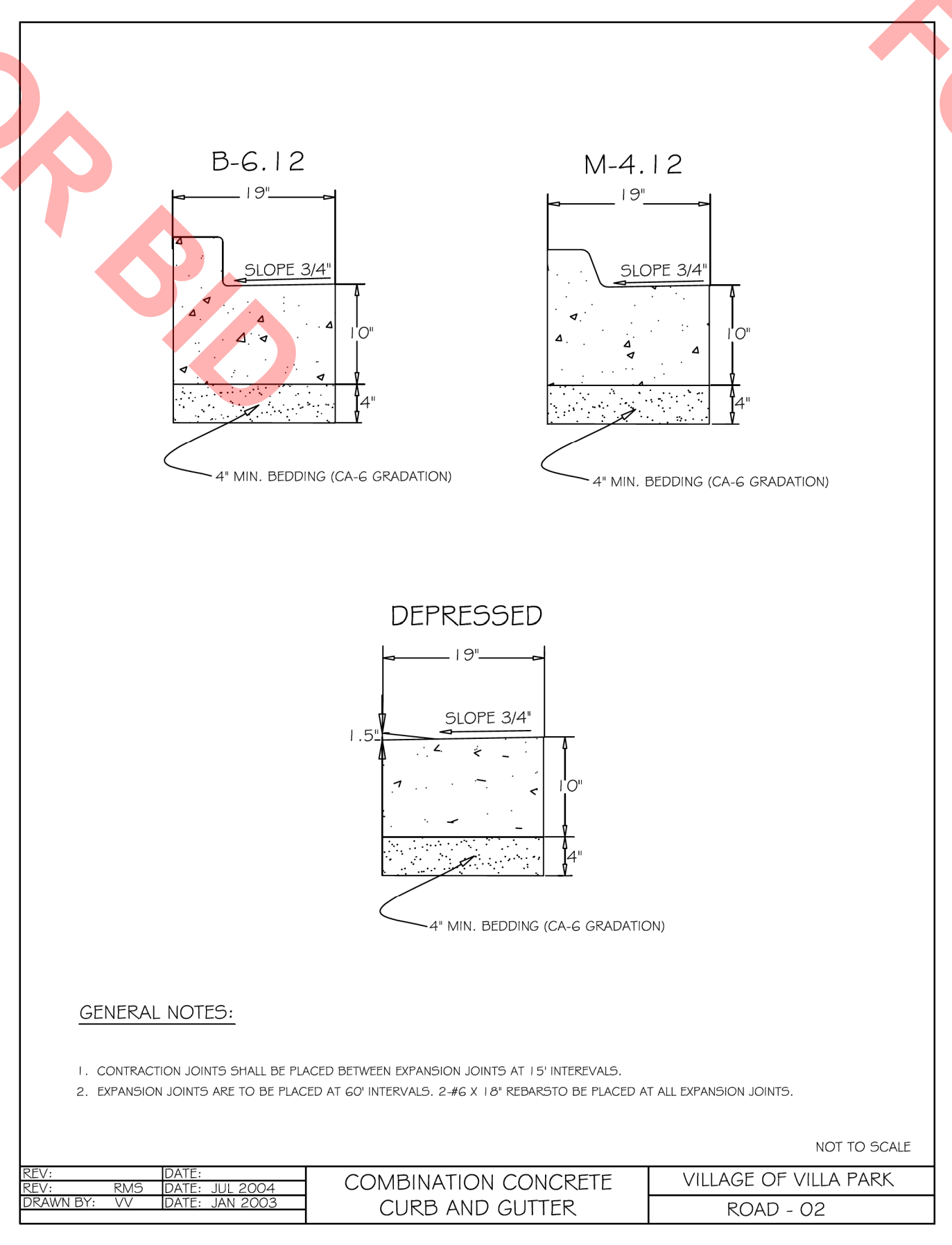
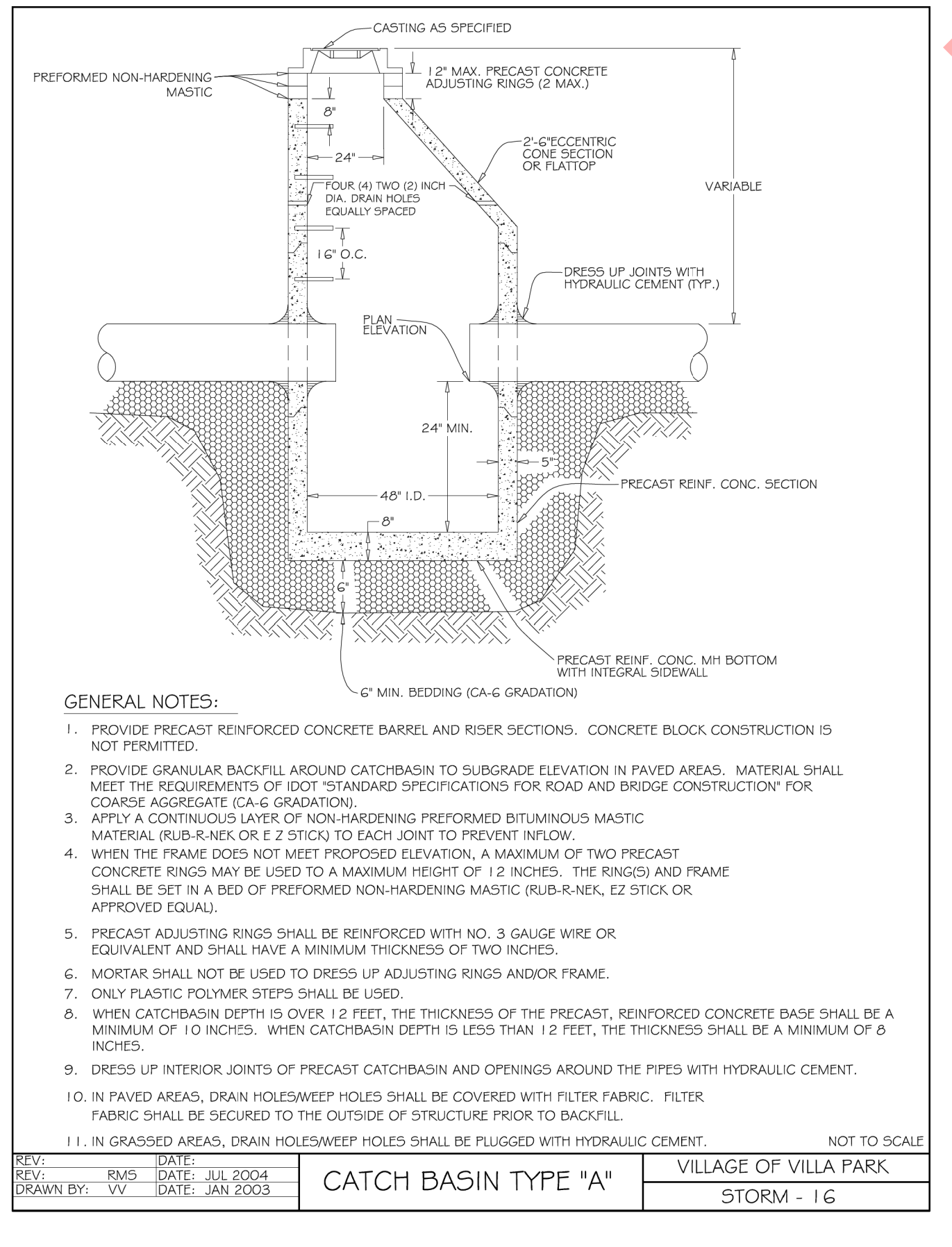
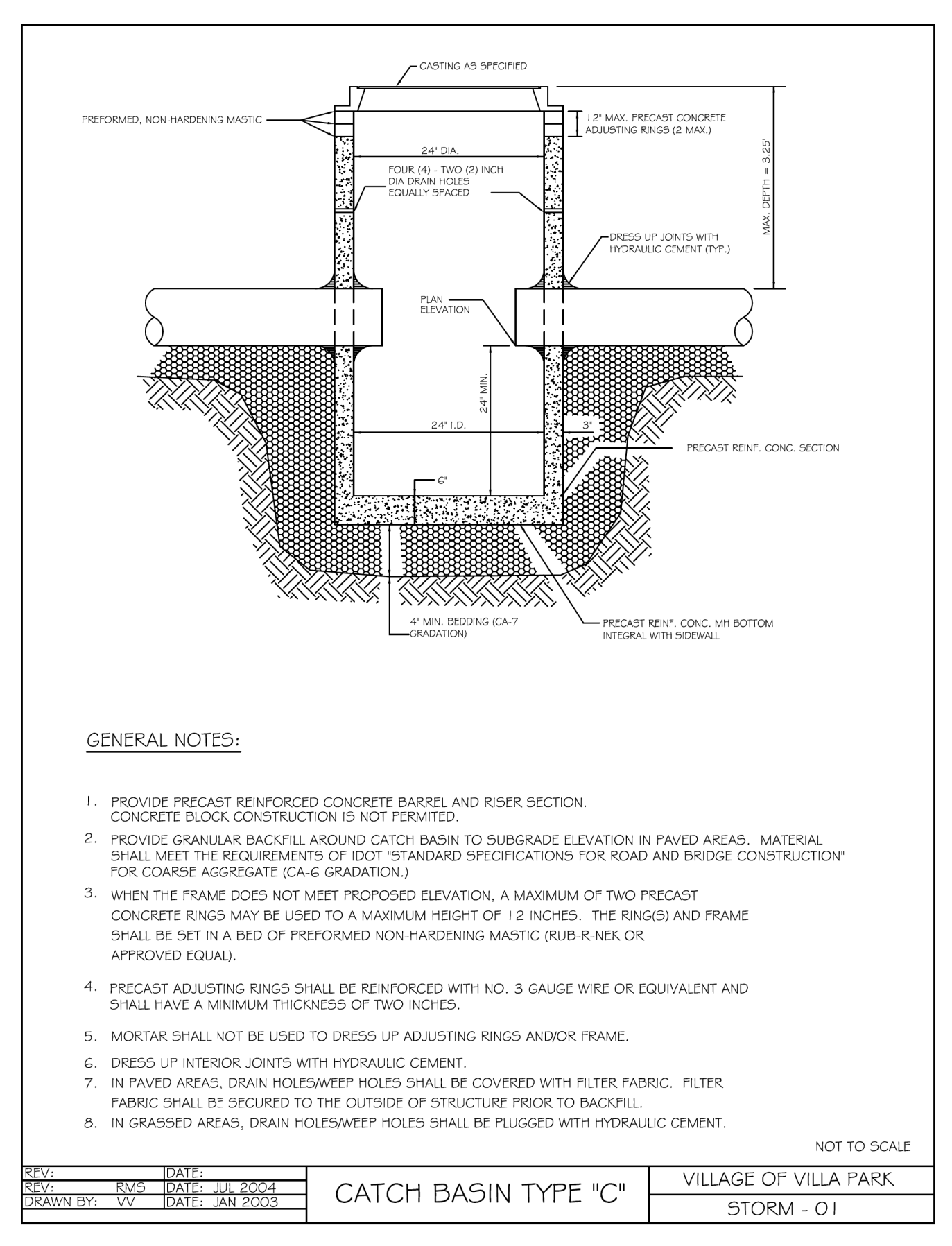
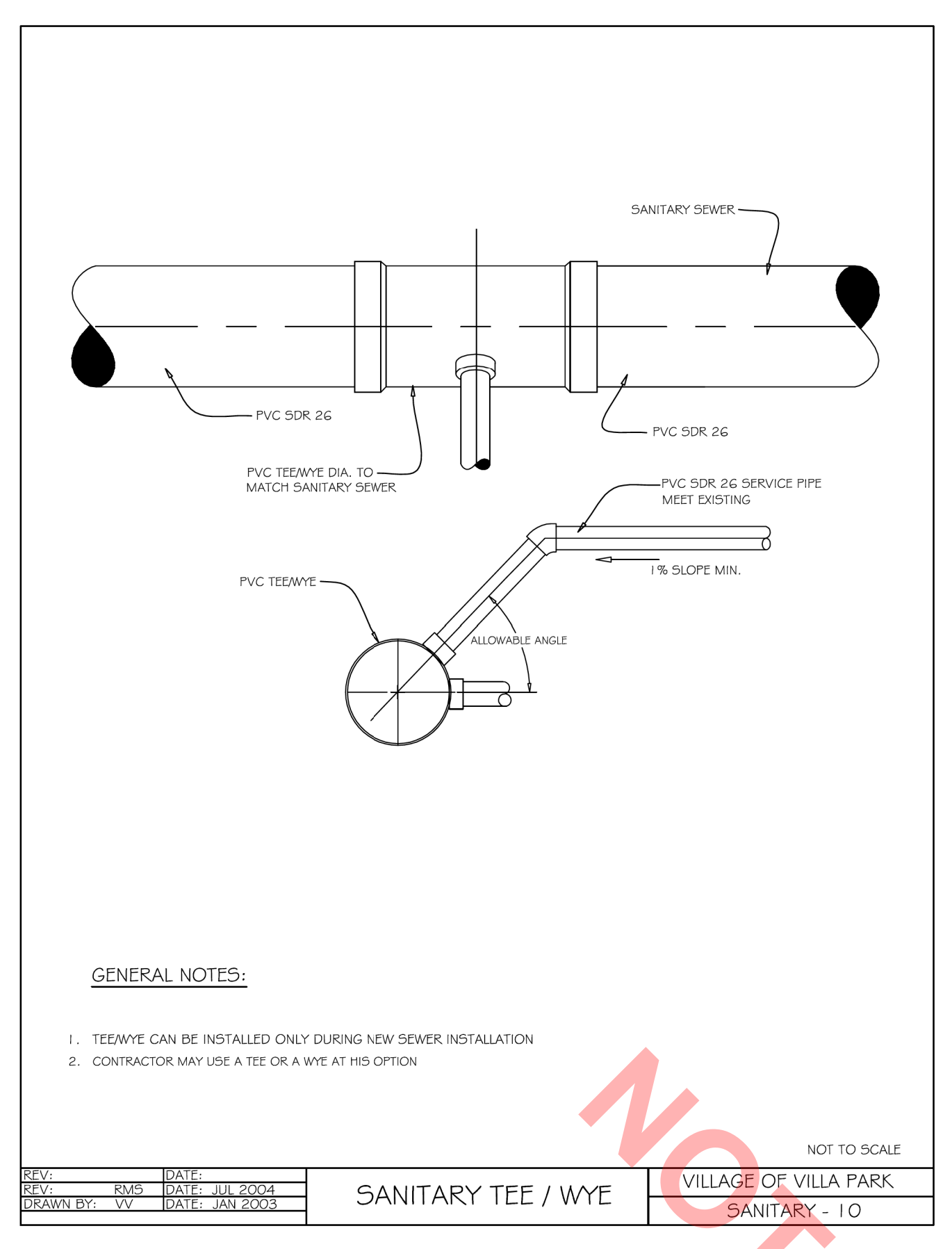
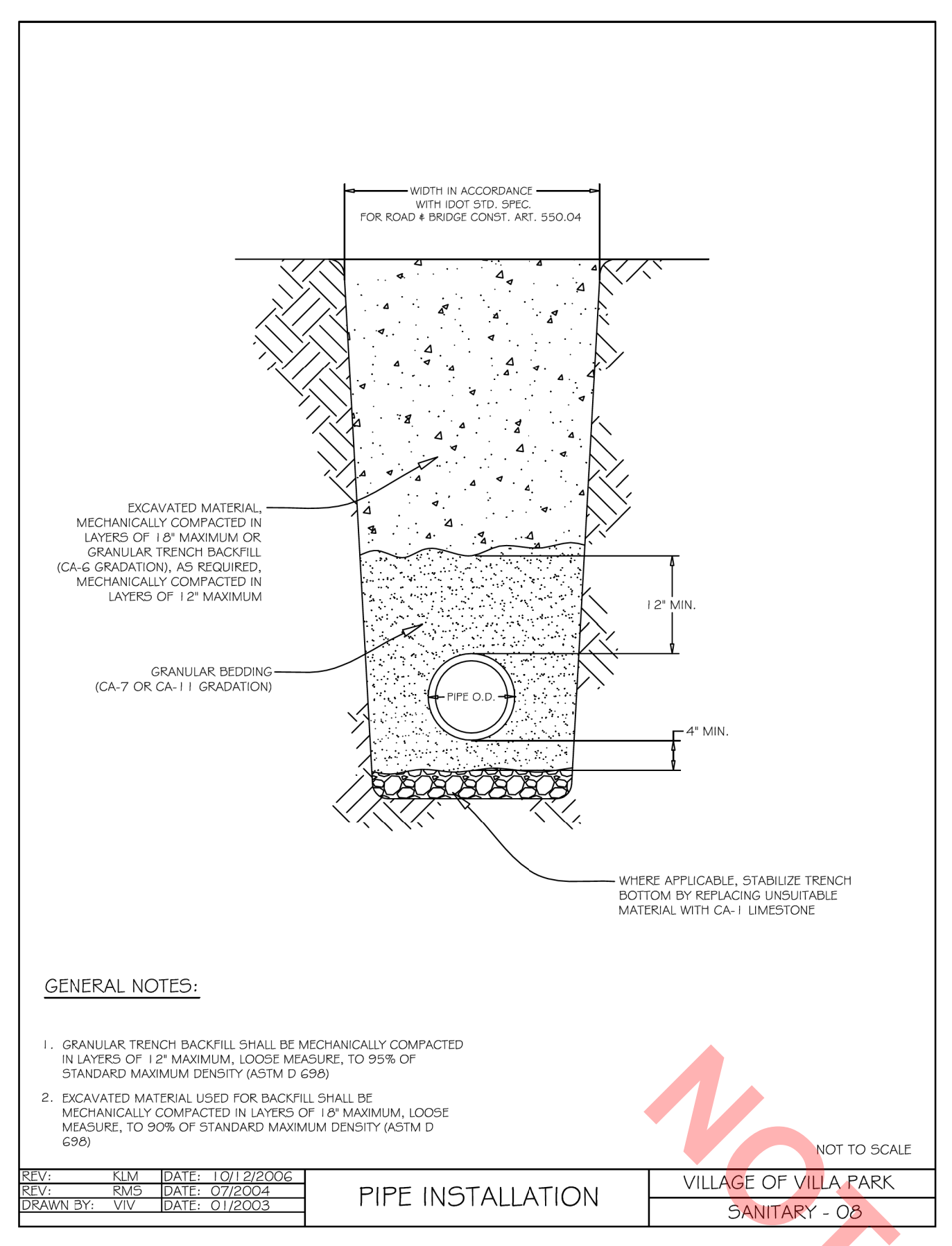
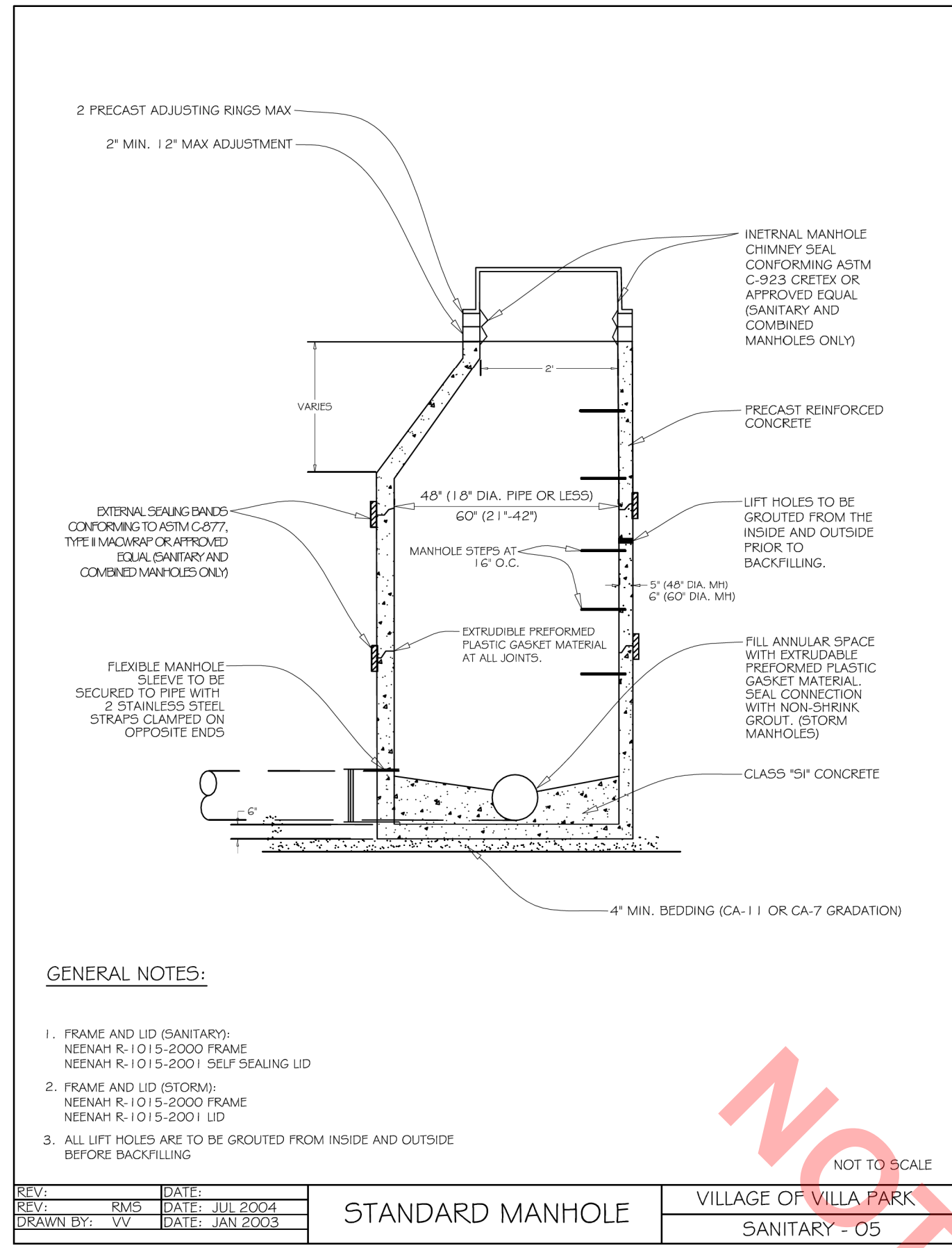
CLIENT:

VILLAGE OF VILLA PARK
 20 S. Ardmore Ave.
 Villa Park, IL 60181-2696

NO.	DATE	NATURE OF REVISION	CHKD.	MODEL:

DSGN.	AJS
DWN.	JRS
CHKD.	BMW
SCALE:	5'
PLOT DATE:	2/18/2021
CAD USER:	aschaefer
MODEL:	Default

TITLE:
**THIRD AVENUE IMPROVEMENTS
 ADA SIDEWALK DETAILS**

PROJ. NO. 140092.00020
 DATE: 2/18/2021
 SHEET 12 OF 17
 DRAWING NO.
ADA-1



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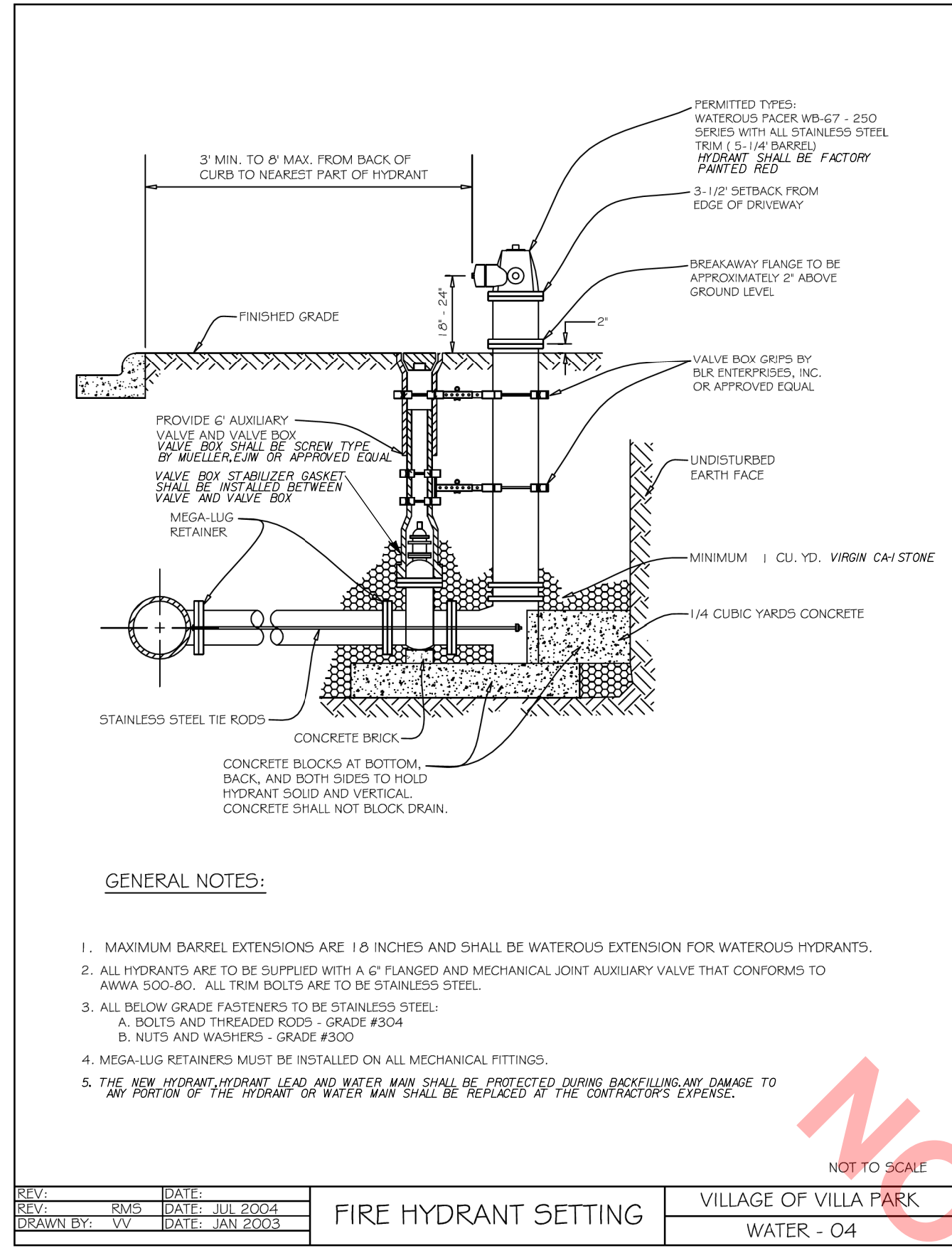
NO.	DATE	NATURE OF REVISION	CHKD.

FILE NAME: N:\VILLAPARK\140092.00020\Civil\DET_140092_20_01.shx

DSGN.	AJS
DWN.	JRS
CHKD.	BMW
SCALE:	20'
PLOT DATE:	2/18/2021
CAD USER:	aschaefer
MODEL:	Default

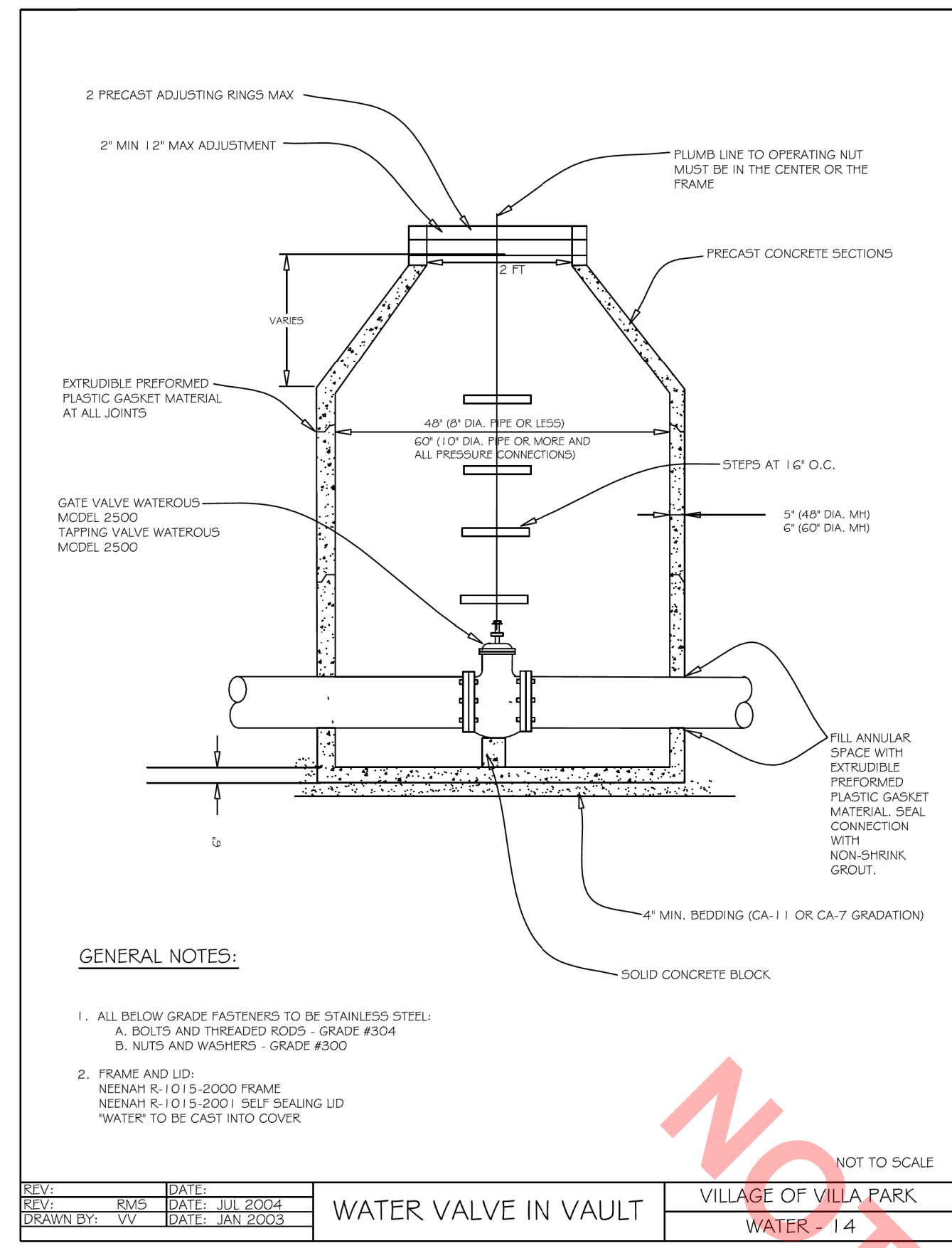
TITLE: **THIRD AVENUE IMPROVEMENTS CONSTRUCTION DETAILS**

PROJ. NO. 140092.00020
DATE: 2/18/2021
SHEET 14 OF 17
DRAWING NO. **DET-1**



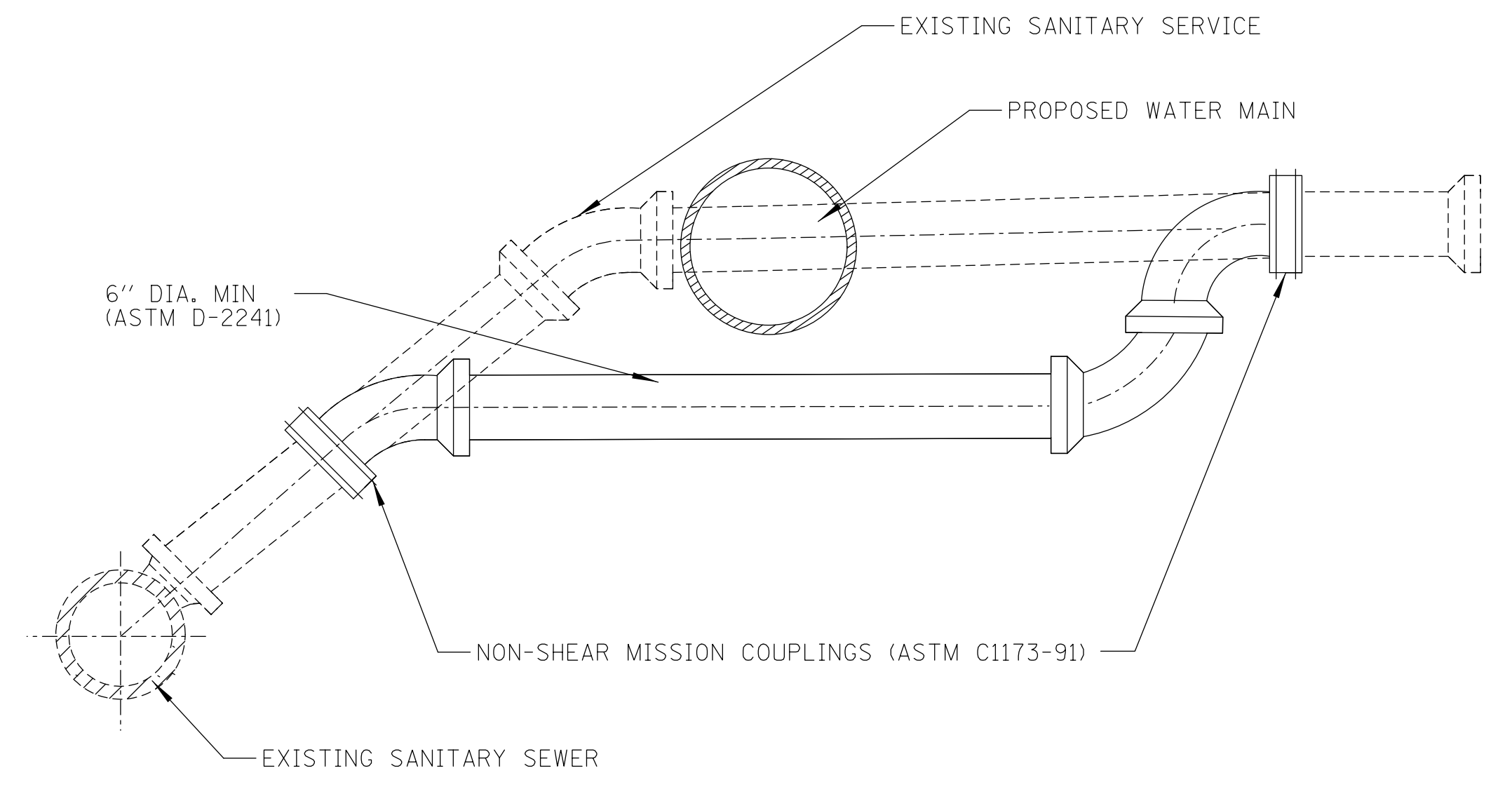
- GENERAL NOTES:**
1. MAXIMUM BARREL EXTENSIONS ARE 18 INCHES AND SHALL BE WATERLOUS EXTENSION FOR WATERLOUS HYDRANTS.
 2. ALL HYDRANTS ARE TO BE SUPPLIED WITH A 6\"/>

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



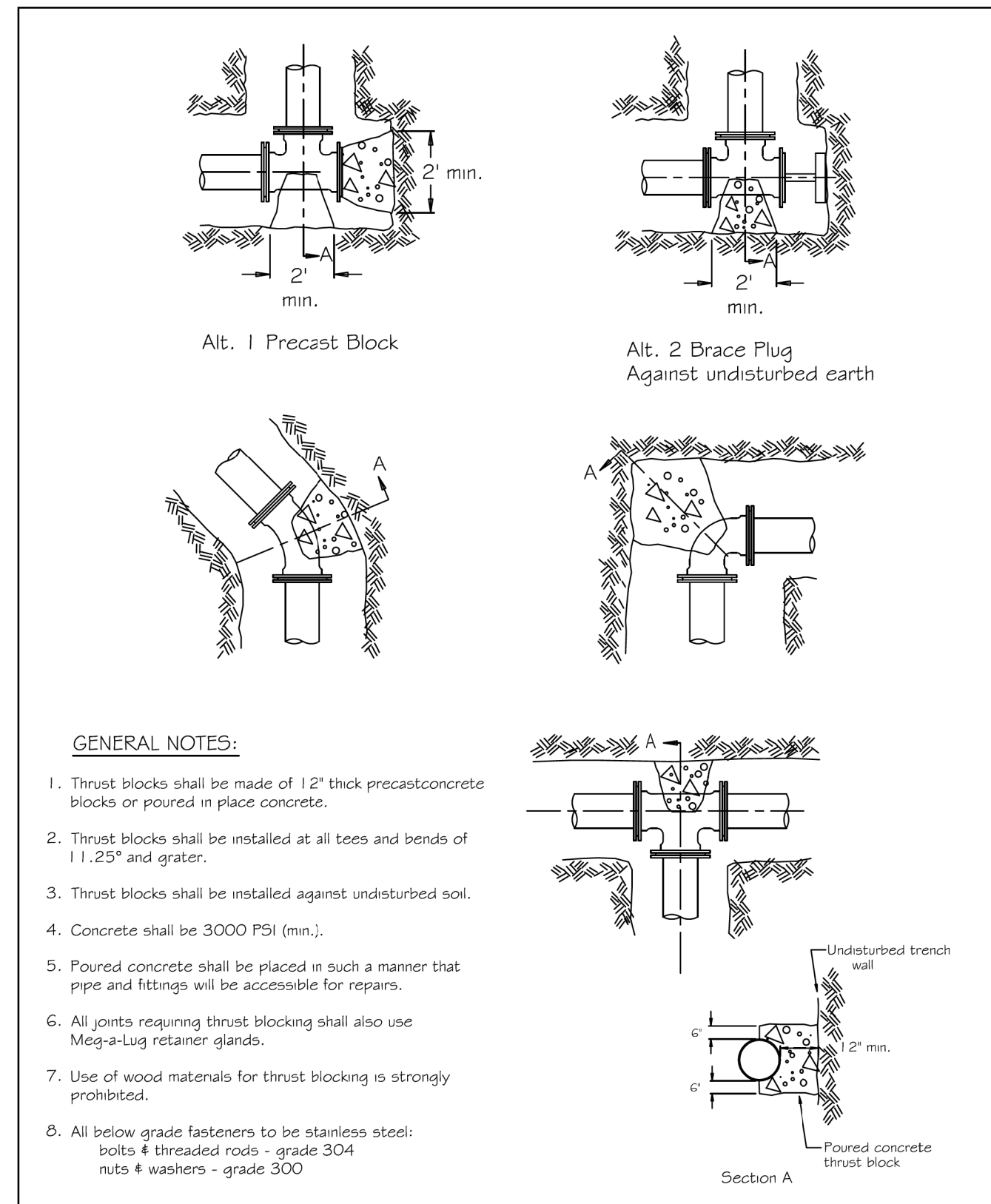
- GENERAL NOTES:**
1. ALL BELOW GRADE FASTENERS TO BE STAINLESS STEEL:
 - A. BOLTS AND THREADED RODS - GRADE #304
 - B. NUTS AND WASHERS - GRADE #300
 2. FRAME AND LID:
 - NENAH R-1015-2000 FRAME
 - NENAH R-1015-2001 SELF SEALING LID
 - *WATER* TO BE CAST INTO COVER

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



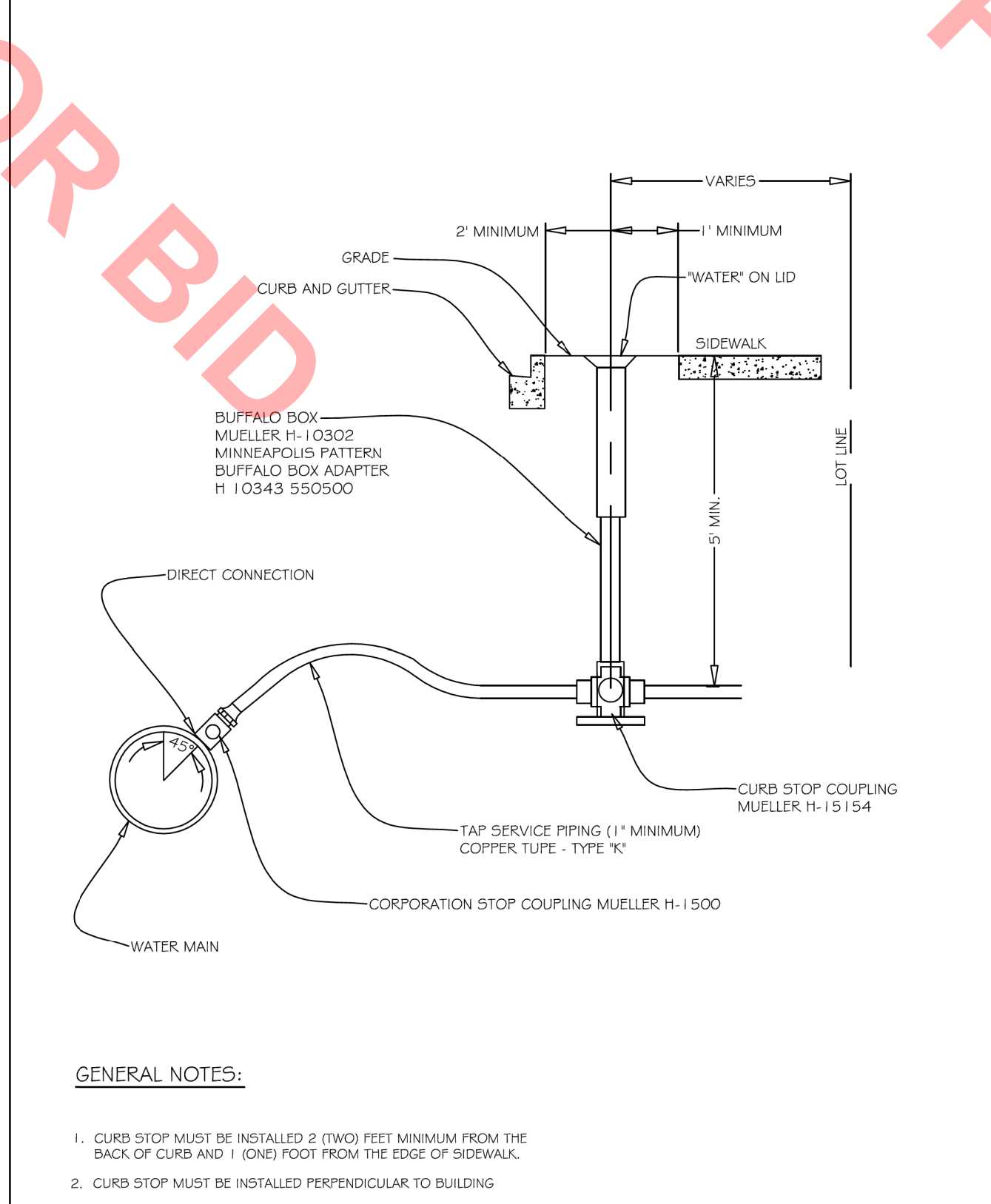
- NOTE:**
1. THE CONTRACTOR WILL BE PAID FOR ADJUSTING SANITARY SEWER, 8-INCH OR LESS ONLY WHEN THE PROPOSED STORM SEWER IS IN DIRECT CONFLICT WITH THE EXISTING WATER SERVICE LINE.
 3. FOR TRENCH BACKFILL, PAYMENT WILL BE IN ACCORDANCE WITH THE VILLAGE OF VILLA PARK STANDARD DETAIL FOR PIPE INSTALLATION.

ADJUSTING SANITARY SEWER, 8-INCH OR LESS



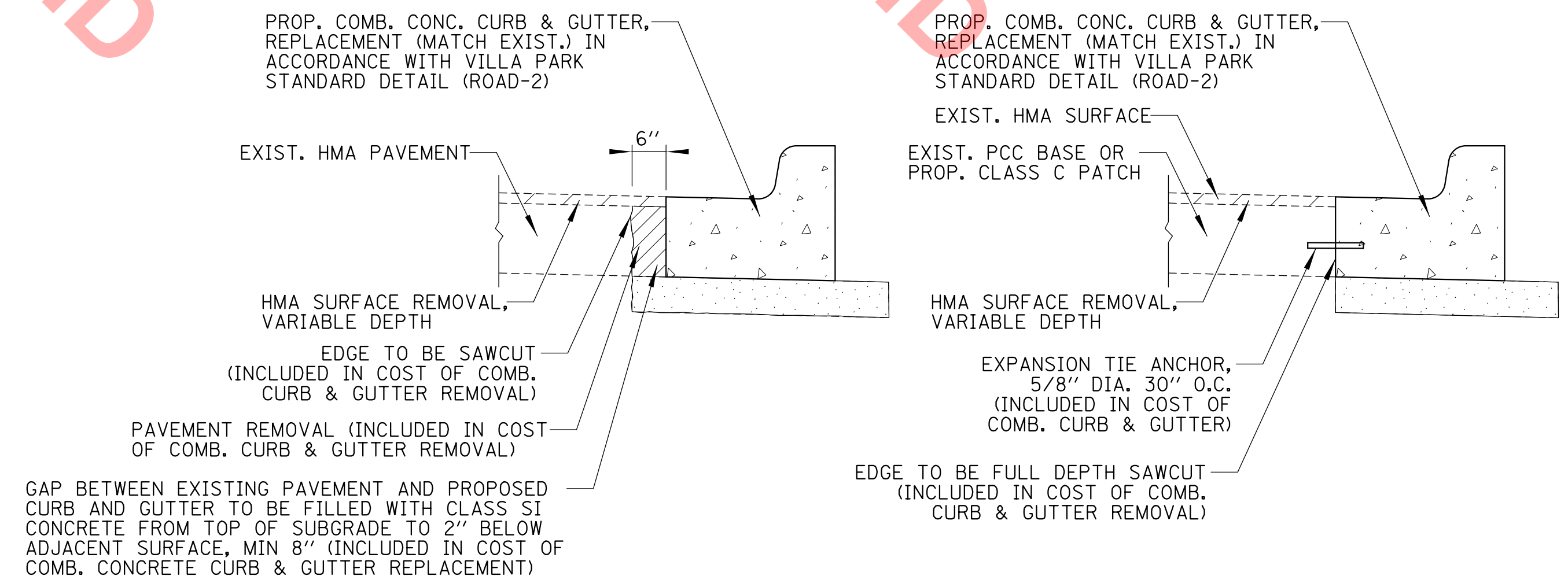
- GENERAL NOTES:**
1. Thrust blocks shall be made of 12\"/>

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



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

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



ADJACENT TO HMA BASE

ADJACENT TO PCC BASE

COMB. CONCRETE CURB AND GUTTER INSTALLATION DETAIL

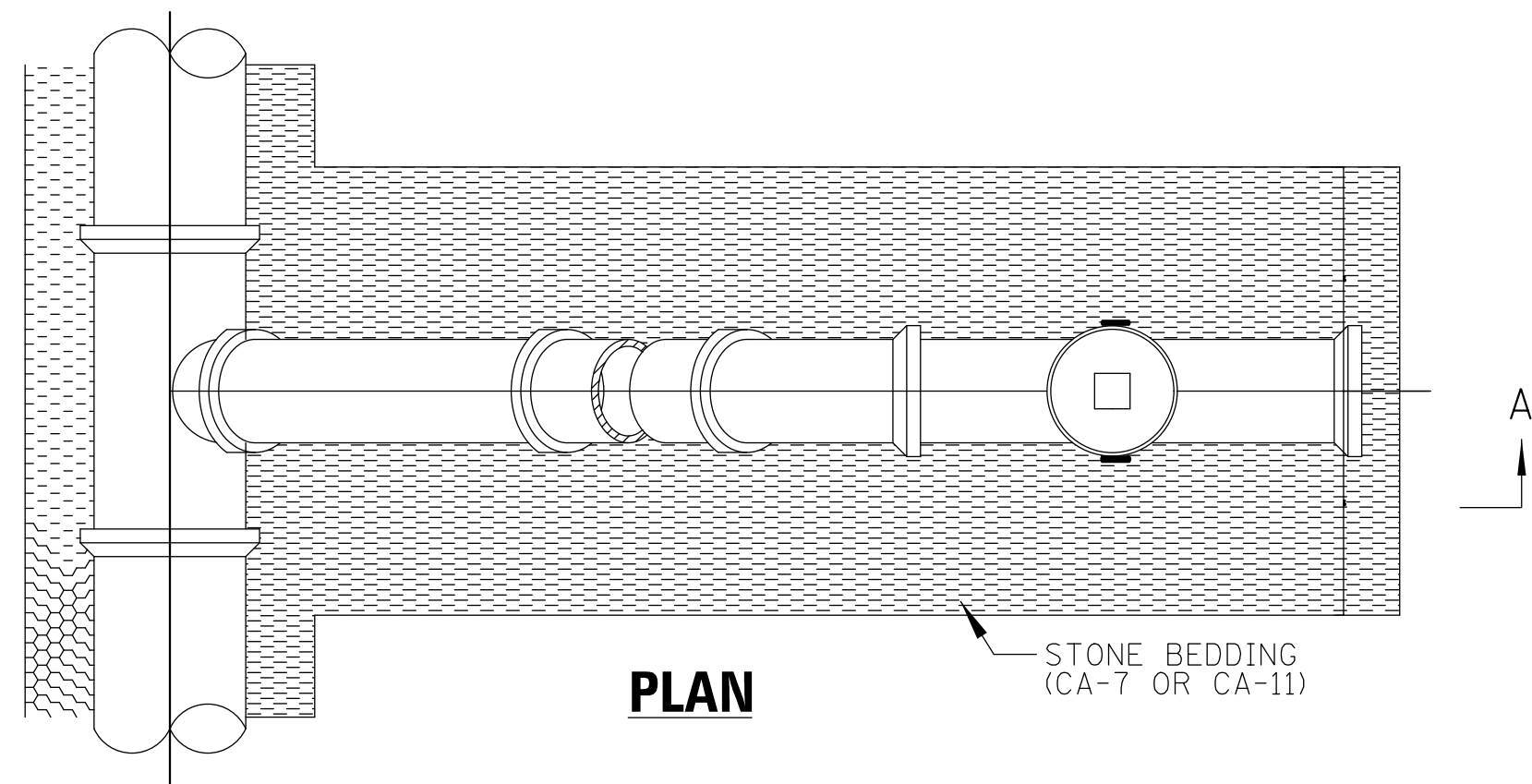
CHRISTOPHER B. BURKE ENGINEERING, LTD.
 9575 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-0500

CLIENT: **VILLAGE OF VILLA PARK**
 20 S. Ardmore Ave.
 Villa Park, IL 60181-2696

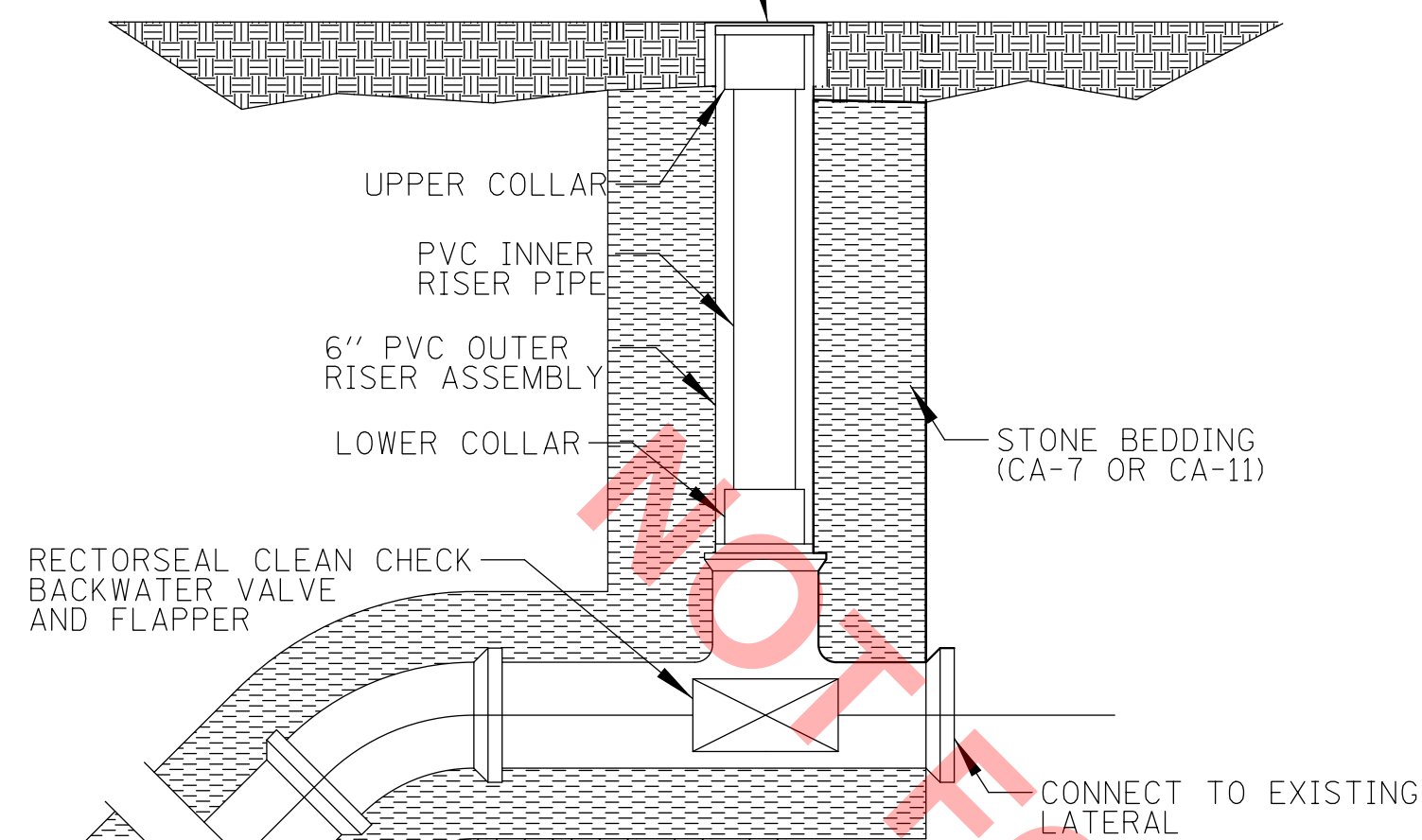
NO.	DATE	NATURE OF REVISION	CHKD.	MODEL:
				Default

TITLE: **THIRD AVENUE IMPROVEMENTS CONSTRUCTION DETAILS**

PROJ. NO.	140092.00020
DATE:	2/18/2021
SHEET	15 OF 17
DRAWING NO.	DET-2



THREADED COVER PLUG AT FINISHED GRADE. COVER PLUG IS TO BE AN RECTORSEAL CLEAN CHECK COVER (6").

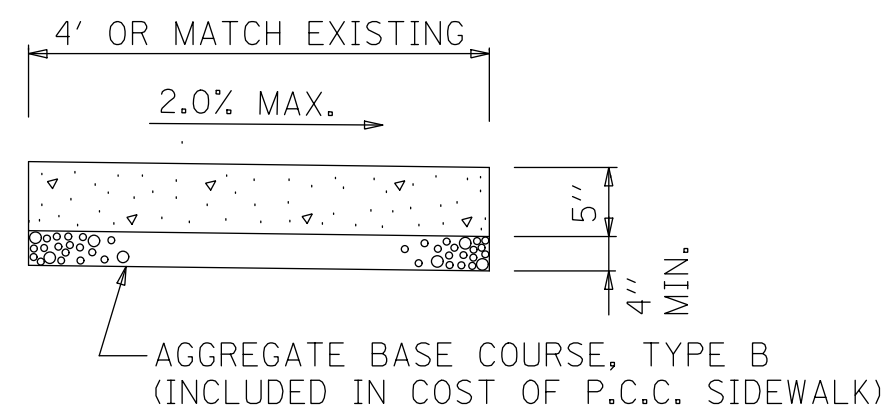


SECTION A-A

GENERAL NOTES:

1. CLEANOUT-CHECK VALVE SHALL BE RECTORSEAL CLEAN CHECK BACKWATER VALVE, OR APPROVED EQUAL. ALL MATERIALS AND INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.

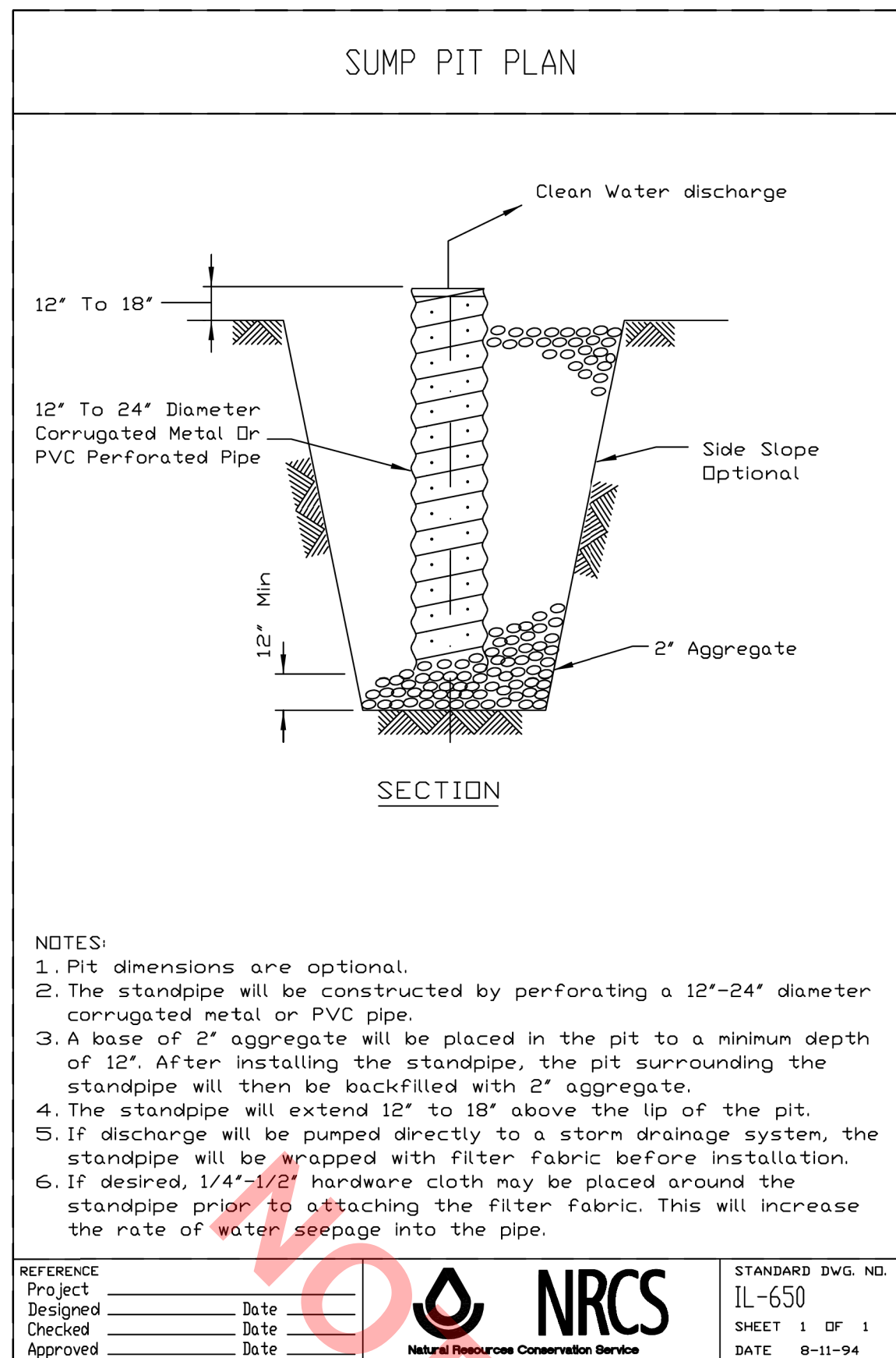
COMBINATION CLEANOUT-CHECK VALVE



NOTES:

1. ALL REQUIRED EARTH EXCAVATION TO CONSTRUCT P.C.C. SIDEWALK SHALL BE INCLUDED IN THE COST OF P.C.C. SIDEWALK 5 INCH.
2. THICKNESS SHALL BE INCREASED TO 6" WHERE SIDEWALK IS ADJACENT TO A DRIVEWAY (INCLUDED IN COST OF PCC SIDEWALK 5 INCH).

P.C.C. SIDEWALK 5 INCH DETAIL



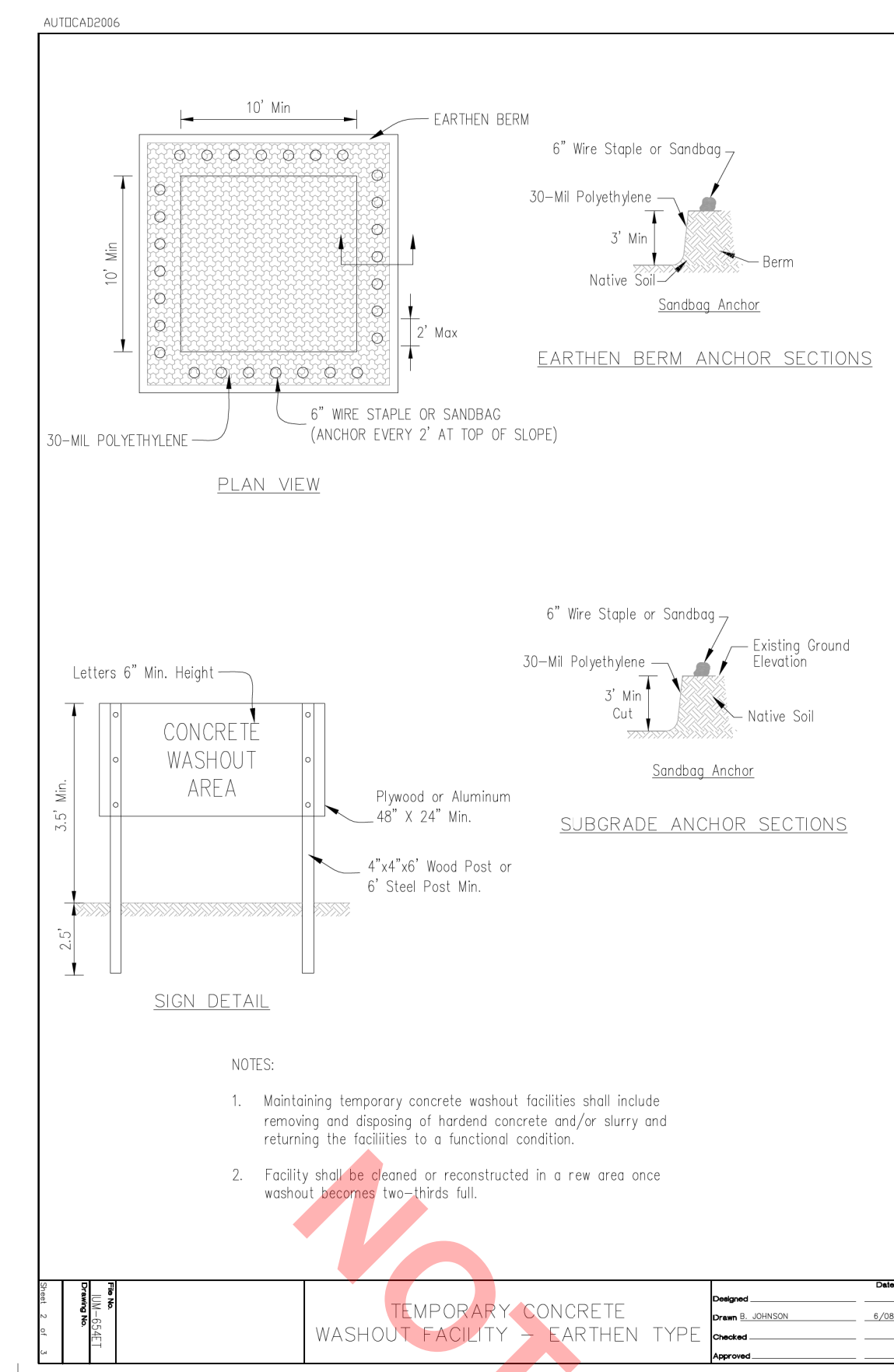
NOTES:

1. Pit dimensions are optional.
2. The standpipe will be constructed by perforating a 12"-24" diameter corrugated metal or PVC pipe.
3. A base of 2" aggregate will be placed in the pit to a minimum depth of 12". After installing the standpipe, the pit surrounding the standpipe will then be backfilled with 2" aggregate.
4. The standpipe will extend 12" to 18" above the lip of the pit.
5. If discharge will be pumped directly to a storm drainage system, the standpipe will be wrapped with filter fabric before installation.
6. If desired, 1/4"-1/2" hardware cloth may be placed around the standpipe prior to attaching the filter fabric. This will increase the rate of water seepage into the pipe.

PROJECT	DATE	DESIGNED	DATE	CHECKED	DATE	APPROVED	DATE

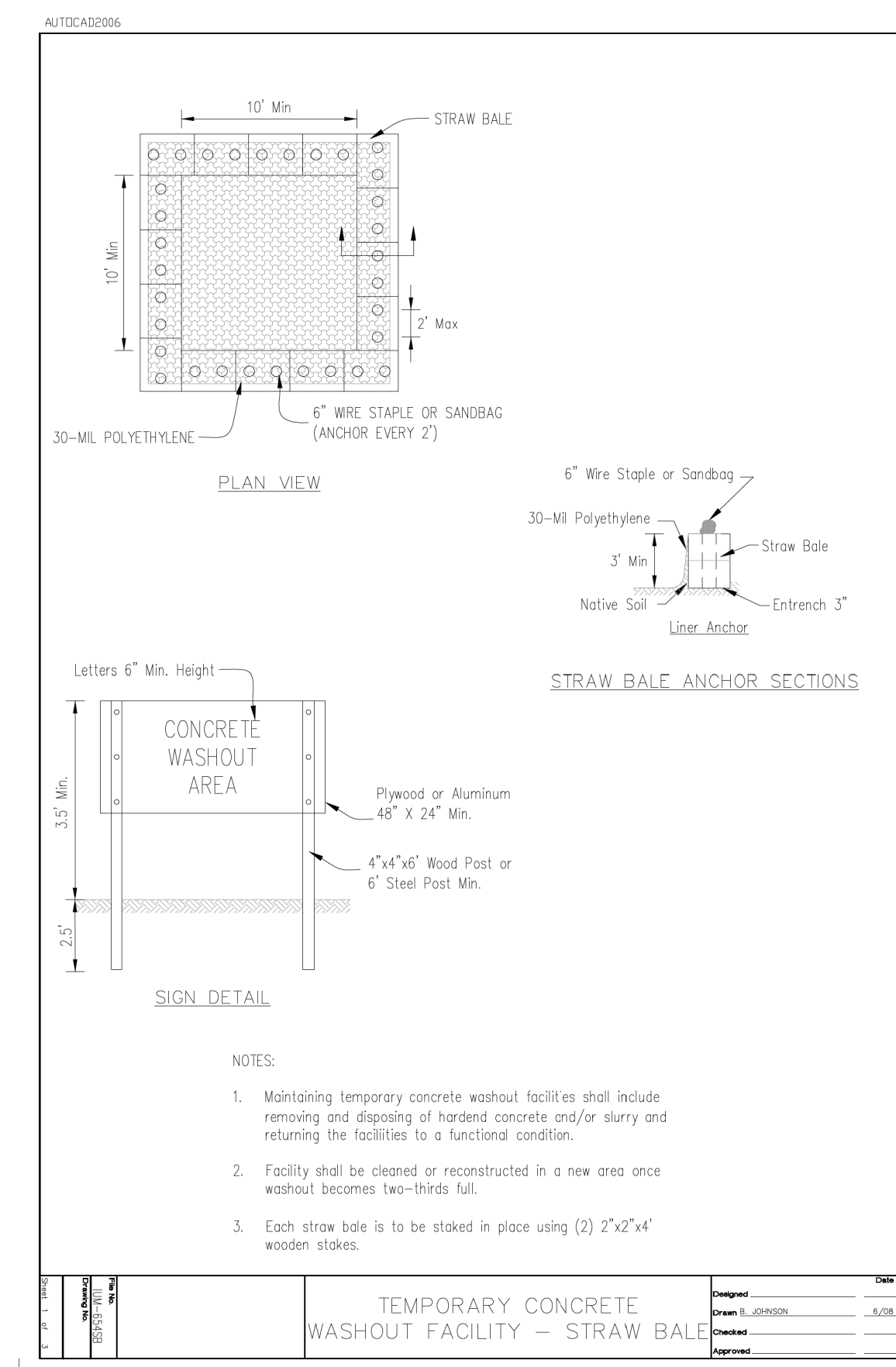
NRCS
Natural Resources Conservation Service

STANDARD DWG. NO. IL-650
SHEET 1 OF 1
DATE 8-11-94



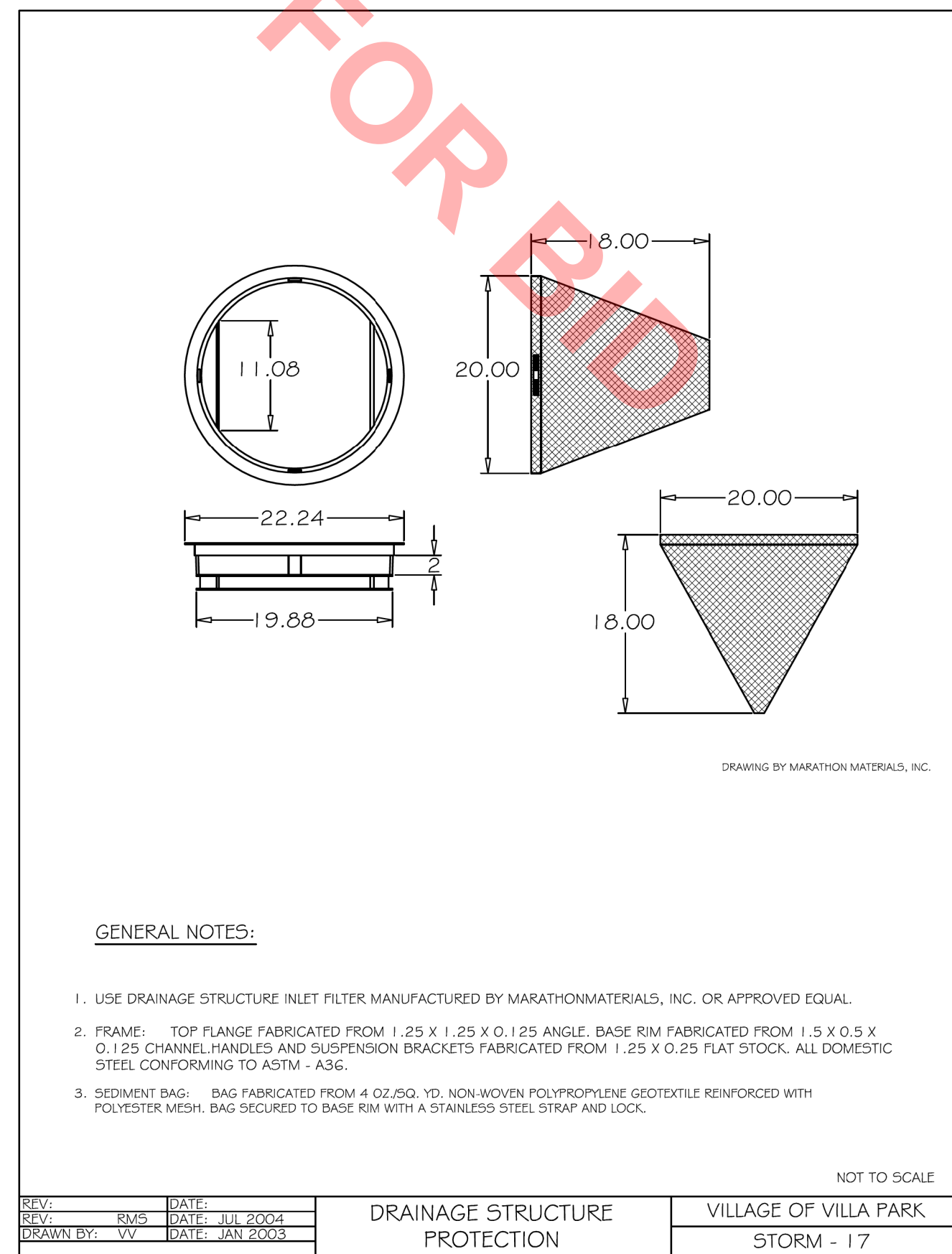
NOTES:

1. Maintaining temporary concrete washout facilities shall include removing and disposing of hardened 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.



NOTES:

1. Maintaining temporary concrete washout facilities shall include removing and disposing of hardened 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"x2"x4" wooden stakes.



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.	DATE	BY	CHKD.	DATE
1	07/11/2004	RJS	JRS	
2	01/11/2005	VV	ASCHAEFER	

DRAINAGE STRUCTURE PROTECTION VILLAGE OF VILLA PARK STORM - 17

SOIL EROSION CONTROL AND SEDIMENT CONTROL NOTES

1. SOIL EROSION AND SEDIMENT CONTROL (SESC) FEATURES MUST BE CONSTRUCTED PRIOR TO THE COMMENCEMENT OF UPLAND DISTURBANCE. SOIL DISTURBANCE MUST BE PHASED OR ENACTED IN SUCH A MANNER AS TO MINIMIZE EROSION. SOIL STABILIZATION MEASURES MUST CONSIDER THE TIME OF YEAR, SITE CONDITIONS AND THE USE OF TEMPORARY AND/OR PERMANENT MEASURES.
2. UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE INSTALLED AT MINIMUM ACCORDING TO THE STANDARDS AND SPECIFICATIONS IN THE ILLINOIS URBAN MANUAL, REVISED TO LATEST VERSION AS AMENDED. A COPY OF THE APPROVED SOIL EROSION AND SEDIMENT CONTROL (SESC) PLAN MUST BE MAINTAINED ON THE SITE AT ALL TIMES.
3. THE EROSION AND SEDIMENT CONTROLS SHOWN ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED AS DIRECTED BY THE VILLAGE, OR THEIR AUTHORIZED REPRESENTATIVE. ALL ADDITIONAL MEASURES MUST BE IN PLACE WITHIN 3 DAYS OF DISTURBANCE AND ANY EMERGENCY SESC MEASURES MUST BE INSTALLED IMMEDIATELY.
4. THE CONTRACTOR MUST CLEAN UP, GRADE THE WORK AREAS AS THE PROJECT PROGRESSES, AND INSTALL EROSION PROTECTION TO ELIMINATE THE CONCENTRATION OF RUNOFF, OR MUST INSTALL APPROPRIATE SEDIMENT CONTROL DEVICES TO TRAP SEDIMENT. PAVEMENT MUST BE CLEANED DAILY OR AS NECESSARY TO REMOVE TRACK-OUT MATERIAL.
5. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DIVERT ALL WATER (GROUND, STORM, AND CONSTRUCTION) DURING CONSTRUCTION IN ORDER TO KEEP THE CONSTRUCTION AREAS FREED OF WATER, BYPASS PUMPING, INCLUDING SILT BAGS AND AN ENERGY DISSIPATION SURFACE FOR THE PUMPS, SHALL NOT BE MEASURED AND PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE STORM SEWER OR WATER MAIN. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO SIZE THE PUMPS APPROPRIATELY.
6. DURING DE-WATERING/PUMPING OPERATIONS, ONLY UNCONTAMINATED WATER SHOULD BE ALLOWED TO DISCHARGE TO PROTECTED NATURAL AREAS, WATERS OF THE STATE, OR TO A STORM SEWER SYSTEM (IN ACCORDANCE WITH LOCAL PERMITS). INLET HOSES SHOULD BE PLACED IN A STABILIZED SUMP PIT OR FLOATED AT THE SURFACE OF THE WATER IN ORDER TO LIMIT THE AMOUNT OF SEDIMENT INTAKE. PUMPING OPERATIONS MAY BE DISCHARGED TO A STABILIZED AREA THAT CONSISTS OF AN ENERGY DISSIPATING DEVICE (E.G., STONE), SEDIMENT FILTER BAG, OR BOTH. ADEQUATE EROSION AND SEDIMENT CONTROLS SHOULD BE USED DURING DE-WATERING OPERATIONS AS NECESSARY. DEWATERING SEDIMENT LADEN WATER DIRECTLY INTO FIELD TILES, STORM WATER STRUCTURES, OR "WATERS OF THE US" IS PROHIBITED.
7. SEDIMENT CONTROL BMPs SHALL BE CONSTRUCTED AT ALL LOCATIONS WHERE CONSTRUCTION TRAFFIC ENTERS OR LEAVES THE SITE. THESE LOCATIONS SHALL BE DETERMINED IN THE FIELD, AS NEEDED. GRAVELED ROADS, RUMBLE STRIPS, ACCESS DRIVES, PARKING AREAS OF SUFFICIENT WIDTH AND LENGTH, AND VEHICLE WASH DOWN FACILITIES IF NECESSARY, MUST BE PROVIDED TO PREVENT THE DEPOSIT OF SOIL FROM BEING TRACKED

ONTO PUBLIC OR PRIVATE ROADWAYS. ANY SOIL REACHING PUBLIC OR PRIVATE ROADWAY MUST BE REMOVED IMMEDIATELY.

8. STOCK PILES OF SOIL MUST NOT BE LOCATED IN FLOOD PLAINS, RIPARIAN AREAS (VEGETATED FLOOD PLAINS), WETLANDS AND WATERS OF THE U.S., UNLESS OTHERWISE AUTHORIZED BY THE RELEVANT PERMITTING AUTHORITY. IF A STOCKPILE IS TO REMAIN IN PLACE FOR MORE THAN THREE DAYS, PERIMETER SEDIMENT BARRIER MUST BE PROVIDED AT THE CONTRACTOR'S EXPENSE.
9. ALL PROPOSED AND EXISTING STORM SEWER INLET STRUCTURES (INCLUDING INLETS LOCATED WITHIN THE HAUL ROUTES) MUST BE PROTECTED WITH STORM SEWER INLET PROTECTION (I.E. INLET FILTERS) PER INLET PROTECTION DETAILS IN THE PLANS.
10. STABILIZATION OF DISTURBED AREAS MUST, AT A MINIMUM, BE INITIATED IMMEDIATELY WHENEVER ANY CLEARING, GRADING, EXCAVATING, OR OTHER EARTH DISTURBING ACTIVITIES HAVE PERMANENTLY CEASED ON ANY PORTION OF THE SITE AND WILL NOT RESUME FOR A PERIOD EXCEEDING 14 CALENDAR DAYS. STABILIZATION OF DISTURBED AREAS MUST BE INITIATED WITHIN 1 WORKING DAY OF PERMANENT OR TEMPORARY CESSATION OF EARTH DISTURBING ACTIVITIES AND SHALL BE COMPLETED AS SOON AS POSSIBLE BUT NOT LATER THAN 14 DAYS FROM THE INITIATION OF STABILIZATION WORK IN AN AREA. EXCEPTIONS TO THESE TIME FRAMES ARE SPECIFIED AS FOLLOWS:
 - WHERE THE INITIATION OF STABILIZATION MEASURES IS PRECLUDED BY SNOW COVER, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE.
 - ON AREAS WHERE CONSTRUCTION ACTIVITY CEASED AND WILL RESUME AFTER 14 DAYS, A TEMPORARY STABILIZATION METHOD CAN BE USED.
11. A TEMPORARY CONCRETE WASHOUT SHALL BE INSTALLED WITHIN THE PROJECT LIMITS DURING CONSTRUCTION. CONCRETE WASHOUTS SHALL BE CLEANED AND MAINTAINED DURING CONSTRUCTION AS NECESSARY OR AT THE DIRECTION OF THE ENGINEER. THE INSTALLATION, MAINTENANCE, REMOVAL AND DISPOSAL OF TEMPORARY CONCRETE WASHOUT FACILITIES SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE PROPOSED CONCRETE WORK. THE LOCATION OF THE TEMPORARY CONCRETE WASHOUT SHALL BE APPROVED BY THE ENGINEER PRIOR TO CONSTRUCTION. WHENEVER THE WASHOUT IS LOCATED ADJACENT TO OPEN LANES OF TRAFFIC OR PEDESTRIAN ROUTES, THE WASHOUT SHALL BE PROPERLY BARRICADED AND PROTECTED FROM TRAFFIC AND PEDESTRIANS.

CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

CLIENT:



VILLAGE OF VILLA PARK
20 S. Ardmore Ave.
Villa Park, IL 60181-2696

NO.	DATE	NATURE OF REVISION	CHKD.
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PROJ. NO. 140092.00020
DATE: 2/18/2021
SHEET 16 OF 17
DRAWING NO.
DET-3

