



## Sewer Repair and Water Valve Installation Program

### RFB ADDENDUM NO. 01

Date of Addendum: September 22, 2020

#### NOTICE TO ALL POTENTIAL RESPONDENTS

The Request for Bid (RFB) is modified as set forth in this Addendum. The original RFB Documents and any previously issued addenda remain in full force and effect, except as modified by this Addendum, which is hereby made part of the RFB. Respondent shall take this Addendum into consideration when preparing and submitting its bid.

#### 1.0 - BID SUBMITTAL DEADLINE

The Bid submittal deadline remains the same and is not changed by this Addendum.

#### 2.0 - RFB – CHANGES

Item	Section	Description of Change
2.1	Attachment Nine, page 61	The note indicating that the plan set was available via email from the Purchasing Manager has been struck. Replace the existing page 61 of the RFB with the attached page 61.
2.2	Attachment Nine	Plan set pages 61.1 to 61.22 have been added to the RFB. Insert the attached pages 61.1 to 61.22 immediately after the revised page 61 in item 2.1 above.

#### 3.0 - QUESTIONS AND ANSWERS

The following questions and answers are provided as a matter of information to clarify issues raised about the RFB. To the extent that changes to the RFB are required based on the questions received, the RFB has been modified as noted above in the RFB section of this Addendum.

Item	Questions and Answers
3.1	None

#### 4.0 - INFORMATION

The following item(s) are provided as a matter of information only to all respondents and do not modify or become part of the bid.

Item	Description
4.1	None

**ATTACHMENT NINE  
ENGINEERING PLAN SET**

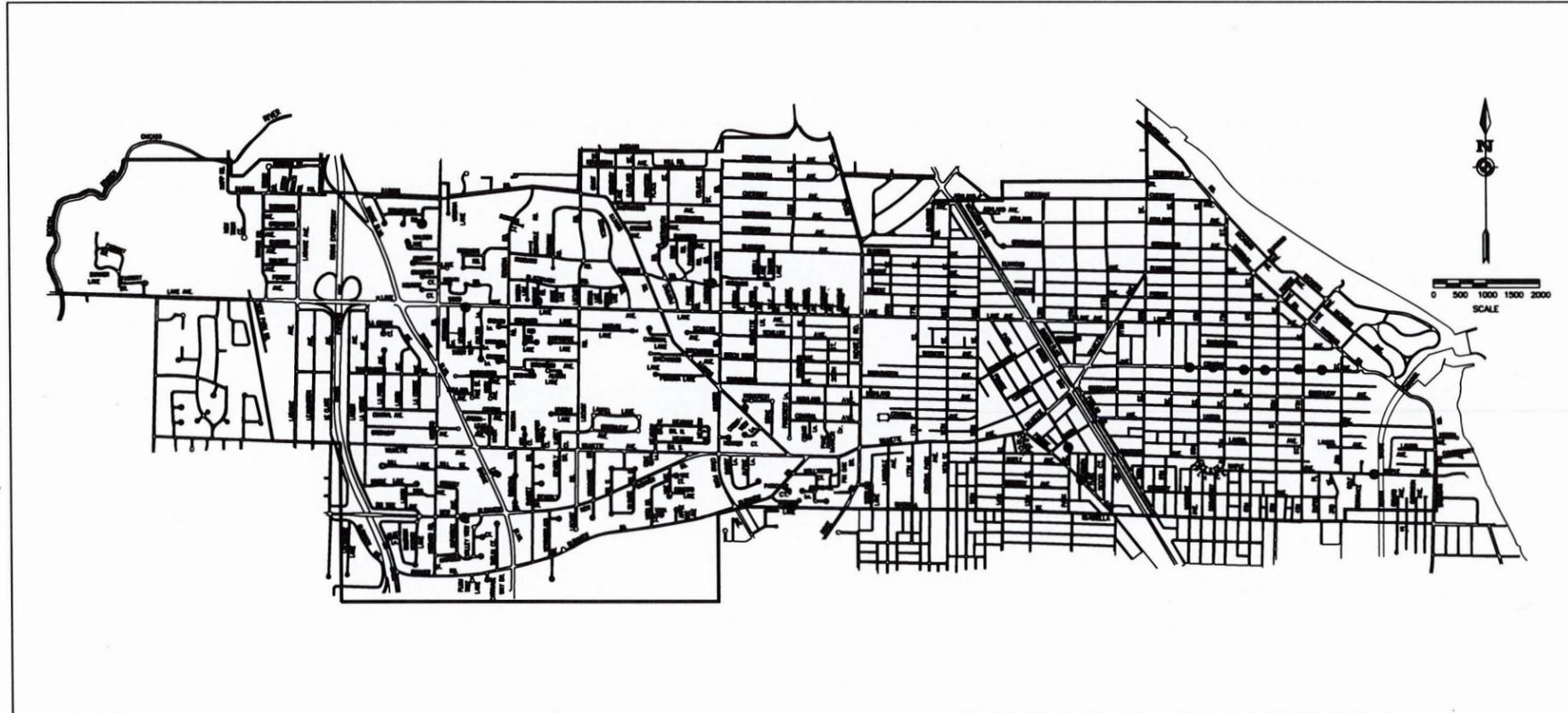
~~The project plan sets may be obtained by emailing Cliff Ruemmler, Purchasing Manager, at [purchase@wilmette.com](mailto:purchase@wilmette.com) from the Bidder's work email account.~~

VILLAGE OF WILMETTE  
ENGINEERING AND PUBLIC WORKS DEPARTMENT

# 2020 SEWER REPAIR AND VALVE INSTALLATION PROGRAM

INDEX OF SHEETS

- NO. TITLE
- 01 NOTES
- SEWER REPAIRS
- 02 CENTRAL 300 BLK
- 03 CENTRAL 400 BLK
- 04 CENTRAL 500 BLK
- 05 CENTRAL 600 BLK
- 06 CENTRAL 700 BLK
- 07 CENTRAL 800 BLK
- 08 PRAIRIE AVE
- 09 GLENVIEW RD
- 10 KNOX AVE
- 11 SEMINOLE RD
- 12 SPRUCEWOOD RD
- VALVE INSTALLATION
- 13 MAPLE AVE & LINDEN AVE
- 14 CHEROKEE RD & PAWNEE RD
- 15 LEYDEN LN
- DETAILS
- 16 TRAFFIC CONTROL SUMMARY
- 17 IDOT STANDARD 701501-06
- 18 CONSTRUCTION DETAILS 1
- 19 CONSTRUCTION DETAILS 2
- 20 CONSTRUCTION DETAILS 3
- 21 CONSTRUCTION DETAILS 4



NOTE: SEWER REPAIRS AND VALVE INSTALLATIONS WILL OCCUR AT VARIOUS LOCATIONS WITHIN THE VILLAGE.

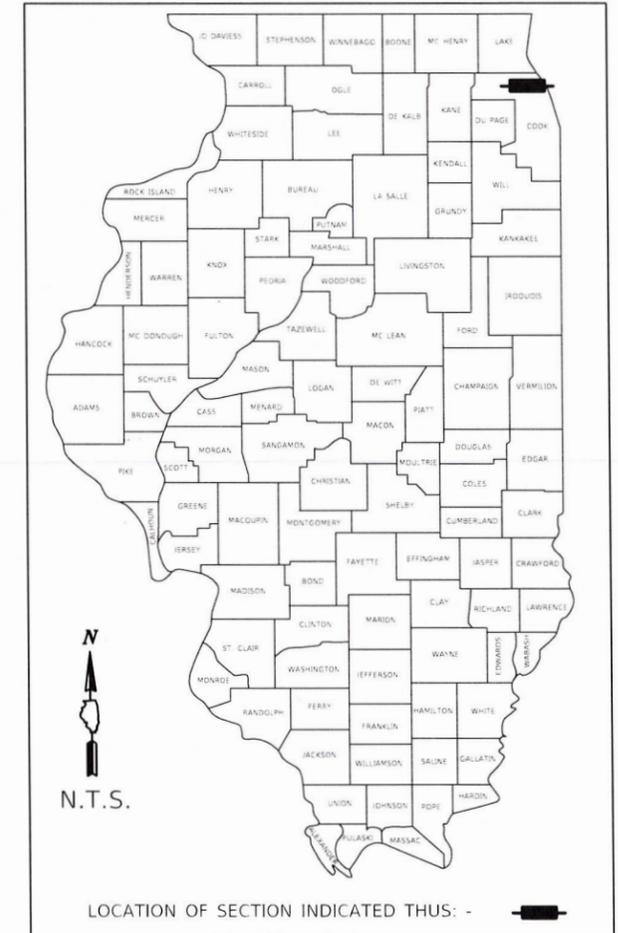
THE IMPROVEMENTS ARE LOCATED IN THE VILLAGE OF WILMETTE.



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

PROJECT MANAGER: DANIELLE HORN, P.E.

WILMETTE CONTRACT NO. 20067



APPROVED BY:

*Danielle Horn*  
(name)  
DANIELLE C. HORN  
062-067313  
IL P.E. NO. 062.067313  
EXPIRES: 11-30-2021  
DATE: 9/13/2020

1. THE CONTRACTOR SHALL NOTIFY THE VILLAGE OF WILMETTE (847) 853-7660 72 HOURS PRIOR TO THE COMMENCEMENT OF WORK.
2. THE CONTRACTOR SHALL NOTIFY AS NECESSARY, ALL TESTING AGENCIES SUFFICIENTLY IN ADVANCE OF CONSTRUCTION. FAILURE OF CONTRACTOR TO ALLOW PROPER NOTIFICATION TIME WHICH RESULTS IN TESTING COMPANIES BEING UNABLE TO VISIT THE SITE AND PERFORM TESTING WILL CAUSE THE CONTRACTOR TO SUSPEND OPERATION TO BE TESTED UNTIL TESTING AGENCY CAN SCHEDULE TESTING OPERATIONS. COSTS OF SUSPENSION OF WORK TO BE BORNE BY THE CONTRACTOR.
3. WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER, AND AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.
4. ALL UNBALLASTED TYPE I AND TYPE II BARRICADES SHALL HAVE TWO SANDBAGS ON THE BOTTOM RAIL. ALL TYPE III BARRICADES SHALL REQUIRE A MINIMUM OF FOUR (4) SANDBAGS PER BARRICADE.

**B. UTILITIES**

5. THE LOCATION OF PUBLIC OR PRIVATE UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE AND THEIR ACCURACY IS NOT GUARANTEED. THE CONTRACTOR WILL BE REQUIRED TO ASCERTAIN THE EXACT LOCATION OF SUCH UTILITIES SO AS NOT TO DAMAGE THEM IN ACCORDANCE WITH THE SPECIAL PROVISIONS AND ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE OR DESTRUCTION OF PUBLIC OR PRIVATE PROPERTY IN ACCORDANCE WITH THE SPECIAL PROVISIONS AND ARTICLE 107.20 OF THE "STANDARD SPECIFICATIONS", AND SHALL RESTORE SUCH PROPERTY AT HIS OWN EXPENSE. COORDINATION OF ALL UTILITY WORK INVOLVED IN THE CONSTRUCTION AREA WILL BE DISCUSSED AT A PRE-CONSTRUCTION CONFERENCE. THE CONTRACTOR SHALL USE ALL NECESSARY PRECAUTIONS AND PROTECTIVE MEASURES REQUIRED TO MAINTAIN EXISTING UTILITIES, SEWERS, AND APPURTENANCES THAT MUST BE KEPT IN OPERATION. IN PARTICULAR, THE CONTRACTOR WILL TAKE ADEQUATE MEASURES TO PREVENT THE UNDERMINING OF UTILITIES AND SEWERS WHICH ARE STILL IN SERVICE.
7. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 1-800-892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, GAS AND CABLE TELEVISION FACILITIES IN ACCORDANCE WITH STATE LAW. ADVANCED NOTICE OF 48 HOURS REQUIRED.
8. WHEN IT IS NECESSARY TO SHUT OFF A WATER MAIN, THE CONTRACTOR SHALL PROVIDE THE VILLAGE'S PUBLIC WORK DEPARTMENT (AT 847-853-7500) A MINIMUM 48 HOUR ADVANCE NOTICE.

**C. DRAINAGE**

9. WHENEVER DURING CONSTRUCTION OPERATIONS ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES SUCH THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED, IT SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL UTILITY STRUCTURES SHALL BE CLEANED AND FREE FROM DIRT AND DEBRIS. THE WORK SPECIFIED ABOVE WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCIDENTAL TO THE CONTRACT.
  10. THE CONTRACTOR SHALL CONFIRM ALL EXISTING STORM SEWER PIPE SIZES AND INVERTS PRIOR TO ORDERING STRUCTURES. ANY MODIFICATION 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.
  11. ALL FRAMES WITH CLOSED LIDS TO BE FURNISHED AS PART OF THIS CONTRACT FOR CONSTRUCTION, ADJUSTMENT OR RECONSTRUCTION OF ANY VALVE VAULT, MANHOLE, OR CATCH BASIN SHALL HAVE THE WORD "WATER", "COMBINED", "SANITARY", OR "STORM", AS APPROPRIATE, CAST INTO THE LID.
  12. FRAME ELEVATIONS GIVEN ON THE PLANS ARE ONLY TO ASSIST THE CONTRACTOR IN DETERMINING THE APPROXIMATE OVERALL HEIGHT OF THE STRUCTURE. WHEN LOCATED WITHIN THE CURB LINE, FRAME ELEVATION GIVEN REFLECT THE EDGE OF PAVEMENT ELEVATIONS. ALL OTHER FRAME ELEVATIONS ARE GIVEN AT THE CENTER. FRAMES ON ALL NEW STRUCTURES WILL BE ADJUSTED TO THE FINAL ELEVATION OF THE AREA IN WHICH THEY ARE LOCATED AS PART OF THE STRUCTURE COST.
  13. ALL EXISTING FRAMES, GRATES, AND LIDS THAT ARE BEING REPLACED REMAIN THE PROPERTY OF THE VILLAGE OF WILMETTE. THE CONTRACTOR SHALL STOCKPILE AT ONE LOCATION AS DESIGNATED BY THE ENGINEER AT EACH PROJECT SITE FOR PICK UP BY THE VILLAGE PUBLIC WORKS AND THIS WORK SHALL BE CONSIDERED AS INCLUDED TO THE CONTRACT.
  14. ADJUSTMENT RINGS, MAXIMUM OF 11" IN HEIGHT, WILL BE ALLOWED IN THE ADJUSTMENT OF CATCH BASIN, MANHOLE, INLET AND VALVE VAULT STRUCTURES. COMMON BRICK WILL NOT BE ALLOWED. THE RINGS SHALL BE INCLUDED IN THE CONTRACT.
  15. THE CONTRACTOR SHALL BE AWARE THAT THERE ARE EXISTING LAWN SPRINKLER SYSTEMS LOCATED IN PUBLIC RIGHT-OF-WAY. IF A SPRINKLER SYSTEM IS LOCATED BETWEEN THE EXISTING SIDEWALK AND THE PROPOSED BACK OF CURB, PROTECTION OF SYSTEM SHALL BE CONSIDERED INCLUDED IN THE CONTRACT.
  16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL WORK INVOLVING THE SPRINKLER SYSTEMS WITH THE OWNERS. THE CONTRACTOR SHALL OBTAIN WRITTEN APPROVAL OF ANY RELOCATIONS OR REPAIRS FROM THE OWNERS PRIOR TO FINAL PAYMENT.
- D. MISCELLANEOUS**
17. 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. PAYMENT WILL BE MADE ONLY FOR THE ACTUAL WORK COMPLETED.
  18. THE CONTRACTOR WILL BE REQUIRED TO DISPOSE OF ALL SIDEWALK, CURB AND GUTTER, PAVEMENT, AND ALL OTHER MATERIAL EXCAVATED OR REMOVED DUE TO CONSTRUCTION OPERATIONS, AT HIS EXPENSE. ALL EXCESS EXCAVATED MATERIAL SHALL BE REMOVED FROM SITE ON THE DAY IT IS EXCAVATED. NO PAYMENT WILL BE MADE FOR HAULING OR TRUCKING MATERIAL TO A LOCATION, PROVIDED BY THE CONTRACTOR, OUTSIDE THE LIMITS OF THE IMPROVEMENT, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

**VALVE REPLACEMENT RESTRICTIONS:**

1. WATER SHUT-OFF TIMES ARE FROM 8:30AM TO 3:30PM (UNLESS OTHERWISE SPECIFIED)
2. WATER MUST BE RESTORED BY 3:30PM
3. CONTRACTOR CAN INSTALL A MAXIMUM OF TWO (2) VALVES PER DAY.
4. UNDER NO CONDITION SHALL THE CONTRACTOR OPERATE ANY VILLAGE VALVES. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AT LEAST 48 HOURS PRIOR TO BEGINNING ANY CONSTRUCTION REQUIRING WATER MAIN SHUT DOWNS. THE CONTRACTOR SHALL COORDINATE ALL WATER MAIN SHUT DOWNS WITH THE ENGINEER. THE WATER & SEWER DIVISION WILL BE RESPONSIBLE FOR ALL MAIN SHUT DOWNS.

MWRD General Notes

**A. REFERENCED SPECIFICATIONS**

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE APPLICABLE SECTIONS OF THE FOLLOWING, EXCEPT AS MODIFIED HEREIN OR ON THE PLANS:
  - \* STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (LATEST EDITION), BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION (IDOT SS) FOR ALL IMPROVEMENTS EXCEPT SANITARY SEWER AND WATER MAIN CONSTRUCTION;
  - \* STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, LATEST EDITION (SSWS) FOR SANITARY SEWER AND WATER MAIN CONSTRUCTION;
  - \* VILLAGE OF WILMETTE MUNICIPAL CODE;
  - \* THE METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO (MWRD) WATERSHED MANAGEMENT ORDINANCE AND TECHNICAL GUIDANCE MANUAL;
  - \* IN CASE OF CONFLICT BETWEEN THE APPLICABLE ORDINANCES NOTED, THE MORE STRINGENT SHALL TAKE PRECEDENCE AND SHALL CONTROL ALL CONSTRUCTION.

**B. SANITARY SEWER**

1. THE CONTRACTOR SHALL TAKE MEASURES TO PREVENT ANY POLLUTED WATER, SUCH AS GROUND AND SURFACE WATER, FROM ENTERING THE EXISTING SANITARY SEWERS.
2. A WATER-TIGHT PLUG SHALL BE INSTALLED IN THE DOWNSTREAM SEWER PIPE AT THE POINT OF SEWER CONNECTION PRIOR TO COMMENCING ANY SEWER CONSTRUCTION. THE PLUG SHALL REMAIN IN PLACE UNTIL REMOVAL IS AUTHORIZED BY THE MUNICIPALITY AND/OR MWRD AFTER THE SEWERS HAVE BEEN TESTED AND ACCEPTED.
3. DISCHARGING ANY UNPOLLUTED WATER INTO THE SANITARY SEWER SYSTEM FOR THE PURPOSE OF SEWER FLUSHING OF LINES FOR THE DEFLECTION TEST SHALL BE PROHIBITED WITHOUT PRIOR APPROVAL FROM THE MUNICIPALITY OR MWRD.
4. ALL SANITARY SEWER CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS (LATEST EDITION).
5. ALL FLOOR DRAINS SHALL DISCHARGE TO THE SANITARY SEWER SYSTEM.
6. ALL DOWNSPOUTS AND FOOTING DRAINS SHALL DISCHARGE TO THE STORM SEWER SYSTEM.
7. ALL SANITARY SEWER PIPE MATERIALS AND JOINTS (AND STORM SEWER PIPE MATERIALS AND JOINTS IN A COMBINED SEWER AREA) SHALL CONFORM TO THE FOLLOWING:

PIPE MATERIAL	PIPE SPECIFICATIONS	JOINT SPECIFICATIONS
VITRIFIED CLAY PIPE	ASTM C-700	ASTM C-425
REINFORCED CONCRETE SEWER PIPE	ASTM C-76	ASTM C-443
CAST IRON SOIL PIPE	ASTM A-74	ASTM C-564
DUCTILE IRON PIPE	ANSI A21.51	ANSI A21.11
POLYVINYL CHLORIDE (PVC) PIPE		
6-INCH TO 15-INCH DIAMETER SDR 26	ASTM D-3034	ASTM D-3212
18-INCH TO 27-INCH DIAMETER F/DY=46	ASTM F-679	ASTM D-3212
HIGH DENSITY POLYETHYLENE (HDPE)		
	ASTM D-3350	ASTM D-3261, F-2620 (HEAT FUSION)
	ASTM D-3035	ASTM D-3212, F-477 (GASKETED)
WATER MAIN QUALITY PVC		
4-INCH TO 36-INCH	ASTM D-2241	ASTM D-3139
4-INCH TO 12-INCH	AWWA C900	ASTM D-3139
14-INCH TO 48-INCH	AWWA C905	ASTM D-3139

THE FOLLOWING MATERIALS ARE ALLOWED ON A QUALIFIED BASIS SUBJECT TO DISTRICT REVIEW AND APPROVAL PRIOR TO PERMIT ISSUANCE. A SPECIAL CONDITION WILL BE ADDED TO THE PERMIT WHEN THE PIPE MATERIAL BELOW IS USED FOR SEWER CONSTRUCTION OR A CONNECTION IS MADE.

PIPE MATERIAL	PIPE SPECIFICATIONS	JOINT SPECIFICATIONS
POLYPROPYLENE (PP) PIPE		
12-INCH TO 24-INCH DOUBLE WALL	ASTM F-2736	D-3212, F-477
30-INCH TO 60-INCH TRIPLE WALL	ASTM F-2764	D3212, F-477

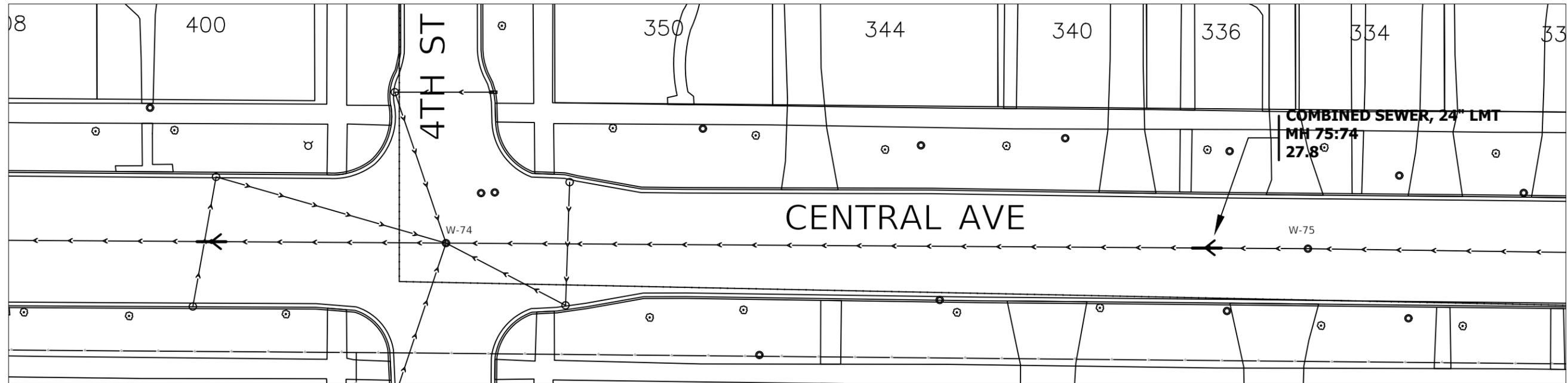
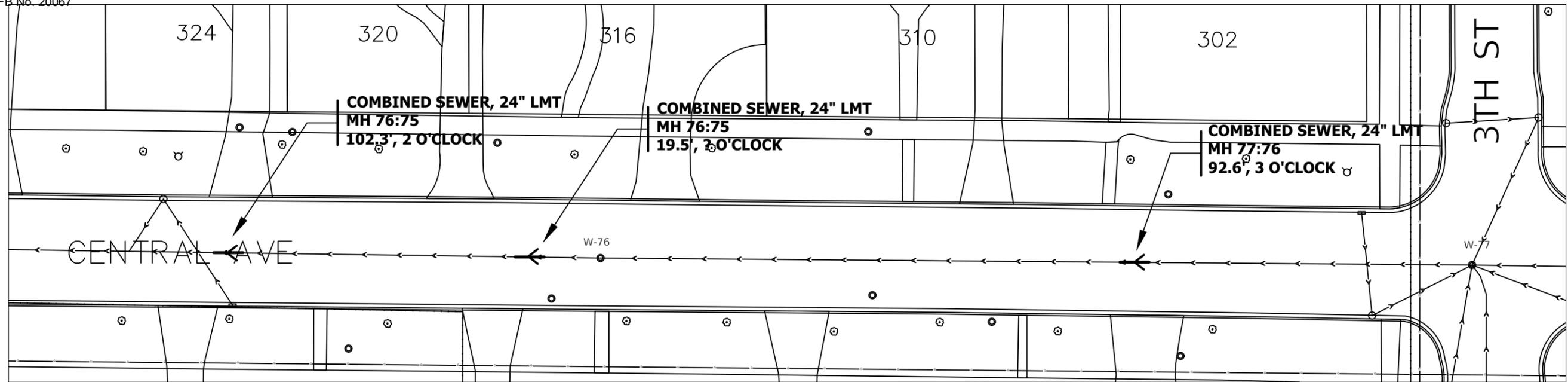
8. ALL SANITARY SEWER CONSTRUCTION (AND STORM SEWER CONSTRUCTION IN COMBINED SEWER AREAS), REQUIRES STONE BEDDING WITH STONE 1/4" TO 1" IN SIZE, WITH MINIMUM BEDDING THICKNESS EQUAL TO 1/4 THE OUTSIDE DIAMETER OF THE SEWER PIPE, BUT NOT LESS THAN FOUR (4) INCHES NOR MORE THAN EIGHT (8) INCHES. MATERIAL SHALL BE CA-7, CA-11 OR CA-13 AND SHALL BE EXTENDED AT LEAST 12" ABOVE THE TOP OF THE PIPE WHEN USING PVC.
9. NON-SHEAR FLEXIBLE-TYPE COUPLINGS SHALL BE USED IN THE CONNECTION OF SEWER PIPES OF DISSIMILAR PIPE MATERIALS.
10. ALL MANHOLES SHALL BE PROVIDED WITH BOLTED, WATERTIGHT COVERS. SANITARY LIDS SHALL BE CONSTRUCTED WITH A CONCEALED PICKHOLE AND WATERTIGHT GASKET WITH THE WORD "SANITARY" CAST INTO THE LID.
11. WHEN CONNECTING TO AN EXISTING SEWER MAIN BY MEANS OTHER THAN AN EXISTING WYE, TEE, OR AN EXISTING MANHOLE, ONE OF THE FOLLOWING METHODS SHALL BE USED:
  - a) A CIRCULAR SAW-CUT OF SEWER MAIN BY PROPER TOOLS ("SEWER-TAP" MACHINE OR SIMILAR) AND PROPER INSTALLATION OF HUBWYE SADDLE OR HUB-TEE SADDLE.
  - b) REMOVE AN ENTIRE SECTION OF PIPE (BREAKING ONLY THE TOP OF ONE BELL) AND REPLACE WITH A WYE OR TEE BRANCH SECTION.
  - c) WITH PIPE CUTTER, NEATLY AND ACCURATELY CUT OUT DESIRED LENGTH OF PIPE FOR INSERTION OF PROPER FITTING, USING "BAND SEAL" OR SIMILAR COUPLINGS TO HOLD IT FIRMLY IN PLACE.

12. WHENEVER A SANITARY/COMBINED SEWER CROSSES UNDER A WATERMAIN, THE MINIMUM VERTICAL DISTANCE FROM THE TOP OF THE SEWER TO THE BOTTOM OF THE WATERMAIN SHALL BE 18 INCHES. FURTHERMORE, A MINIMUM HORIZONTAL DISTANCE OF 10 FEET BETWEEN SANITARY/COMBINED SEWERS AND WATERMANS SHALL BE MAINTAINED UNLESS: THE SEWER IS LAID IN A SEPARATE TRENCH, KEEPING A MINIMUM 18" VERTICAL SEPARATION; OR THE SEWER IS LAID IN THE SAME TRENCH WITH THE WATERMAIN LOCATED AT THE OPPOSITE SIDE ON A BENCH OF UNDISTURBED EARTH, KEEPING A MINIMUM 18" VERTICAL SEPARATION. IF EITHER THE VERTICAL OR HORIZONTAL DISTANCES DESCRIBED CANNOT BE MAINTAINED, OR THE SEWER CROSSES ABOVE THE WATER MAIN, THE SEWER SHALL BE CONSTRUCTED TO WATER MAIN STANDARDS OR IT SHALL BE ENCASED WITH A WATER MAIN QUALITY CARRIER PIPE WITH THE ENDS SEALED.
13. ALL EXISTING SEPTIC SYSTEMS SHALL BE ABANDONED. ABANDONED TANKS SHALL BE FILLED WITH GRANULAR MATERIAL OR REMOVED.
14. ALL SANITARY MANHOLES, (AND STORM MANHOLES IN COMBINED SEWER AREAS), SHALL HAVE A MINIMUM INSIDE DIAMETER OF 48 INCHES, AND SHALL BE CAST IN PLACE OR PRE-CAST REINFORCED CONCRETE.
15. ALL SANITARY MANHOLES, (AND STORM MANHOLES IN COMBINED SEWER AREAS), SHALL HAVE PRECAST "RUBBER BOOTS" THAT CONFORM TO ASTM C-923 FOR ALL PIPE CONNECTIONS. PRECAST SECTIONS SHALL CONSIST OF MODIFIED GROOVE TONGUE AND RUBBER GASKET TYPE JOINTS.
16. ALL ABANDONED SANITARY SEWERS SHALL BE PLUGGED AT BOTH ENDS WITH AT LEAST 2 FEET LONG NON-SHRINK CONCRETE OR MORTAR PLUG.
17. EXCEPT FOR FOUNDATION/FOOTING DRAINS PROVIDED TO PROTECT BUILDINGS, OR PERFORATED PIPES ASSOCIATED WITH VOLUME CONTROL FACILITIES, DRAIN TILES/FIELD TILES/UNDERDRAINS/PERFORATED PIPES ARE NOT ALLOWED TO BE CONNECTED TO OR TRIBUTARY TO COMBINED SEWERS, SANITARY SEWERS, OR STORM SEWERS TRIBUTARY TO COMBINED SEWERS IN COMBINED SEWER AREAS. CONSTRUCTION OF NEW FACILITIES OF THIS TYPE IS PROHIBITED; AND ALL EXISTING DRAIN TILES AND PERFORATED PIPES ENCOUNTERED WITHIN THE PROJECT AREA SHALL BE PLUGGED OR REMOVED, AND SHALL NOT BE CONNECTED TO COMBINED SEWERS, SANITARY SEWERS, OR STORM SEWERS TRIBUTARY TO COMBINED SEWERS.
18. A BACKFLOW PREVENTER IS REQUIRED FOR ALL DETENTION BASINS TRIBUTARY TO COMBINED SEWERS. REQUIRED BACKFLOW PREVENTERS SHALL BE INSPECTED AND EXERCISED ANNUALLY BY THE PROPERTY OWNER TO ENSURE PROPER OPERATION, AND ANY NECESSARY MAINTENANCES SHALL BE PERFORMED TO ENSURE FUNCTIONALITY. IN THE EVENT OF A SEWER SURCHARGE INTO AN OPEN DETENTION BASIN TRIBUTARY TO COMBINED SEWERS, THE PERMITTEE SHALL ENSURE THAT CLEAN UP AND WASH OUT OF SEWAGE TAKES PLACE WITHIN 48 HOURS OF THE STORM EVENT.

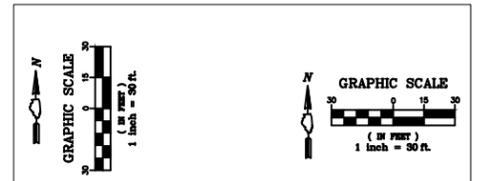
EXISTING LEGEND			
	EXISTING CATCH BASIN		TREE
	HANDHOLE		POWER POLE
	EXISTING INLET		SIGN POST
	EXISTING STORM MANHOLE		HYDRANT
	EXISTING VALVE VAULT		LIGHT POLE
	EXISTING SANITARY MANHOLE		EXISTING COMBINED MANHOLE
	EXISTING COMBINED		EXISTING SANITARY
	EXISTING WATER		EXISTING STORM
	EXISTING GAS		EXISTING COMMUNICATIONS
	EXISTING ELECTRICAL		EXISTING CABLE
	EXISTING MWRD		
PROPOSED LEGEND			
	PROPOSED INLET		PROPOSED VALVE VAULT
	PROPOSED STORM MANHOLE		PROPOSED SANITARY MANHOLE
	PROPOSED COMBINED		PROPOSED COMBINED MANHOLE
	PROPOSED STORM		PROPOSED SANITARY
	PROPOSED PAVEMENT MARKING		PROPOSED CONTOUR

GRAPHIC SCALE  
( IN FEET )  
1 inch = 50 ft.

GRAPHIC SCALE  
( IN FEET )  
1 inch = 50 ft.



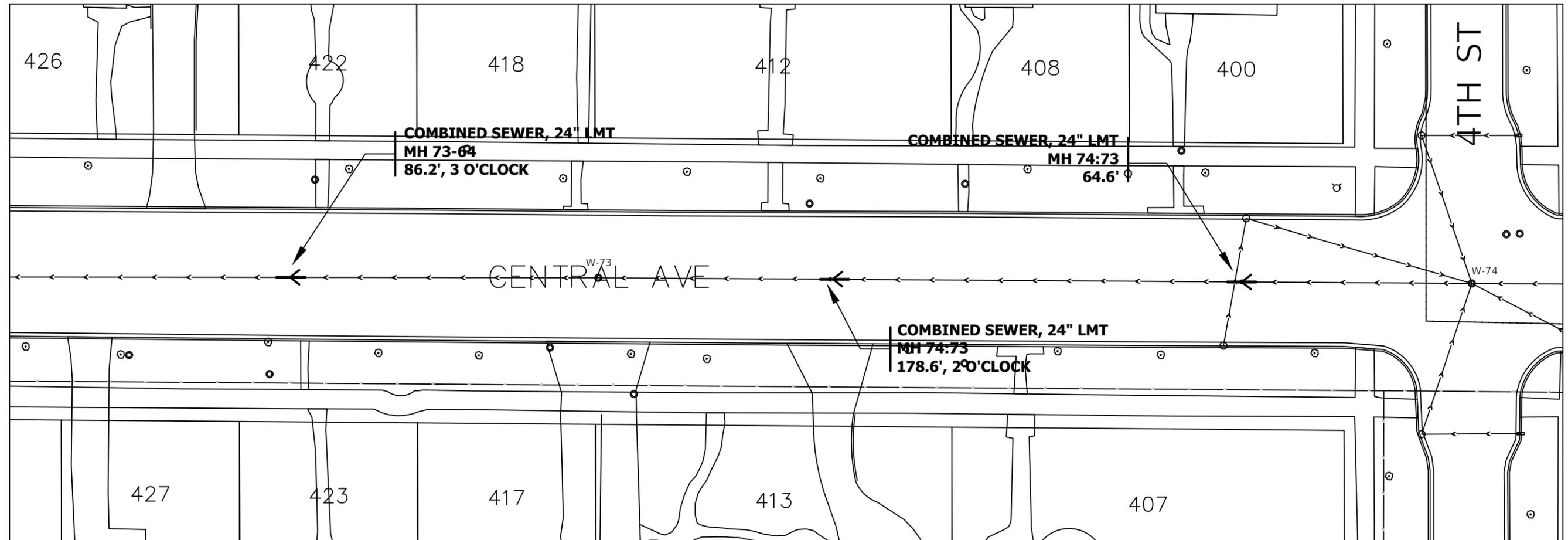
Street	Diameter/Type	MH to MH	Service(s)	Average Depth (FT)	Pavement	Patch
CENTRAL AVE (300 BLK)	24" LMT	77-76	92.6', 3 o'clock	9	2.5" HMA	3" HMA
CENTRAL AVE (300 BLK)	24" LMT	76-75	19.5'	9.5	2.5" HMA	3" HMA
CENTRAL AVE (300 BLK)	24" LMT	76-75	102.3', 2 o'clock	9.5	2.5" HMA	3" HMA
CENTRAL AVE (300 BLK)	24" LMT	75-74	27.8'	9.5	2.5" HMA	3" HMA



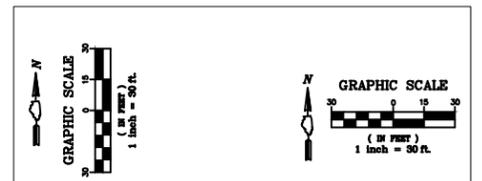
USER NAME = *****	DESIGNED - DH	REVISED - -
PLOT SCALE = ViewportScale	DRAWN - ND	REVISED - -
PLOT DATE = 2/26/2019	CHECKED - -	REVISED - -
	DATE - -	REVISED - -



COUNTY	TOTAL SHEETS	SHEET NO.
COOK	21	2
CONTRACT NO. 20067		
WILMETTE, ILLINOIS		



Street	Diameter/Type	MH to MH	Service(s)	Average Depth (FT)	Pavement	Patch
CENTRAL AVE (400 BLK)	24" LMT	74-73	64.6'	10.5	2.5" HMA / 9.75" PCC	3" HMA
CENTRAL AVE (400 BLK)	24" LMT	74-73	178.6', 2 o'clock	10.5	2.5" HMA / 9.75" PCC	3" HMA
CENTRAL AVE (400 BLK)	24" LMT	73-64	86.2', 3 o'clock	10.5	2.5" HMA / 9.75" PCC	3" HMA



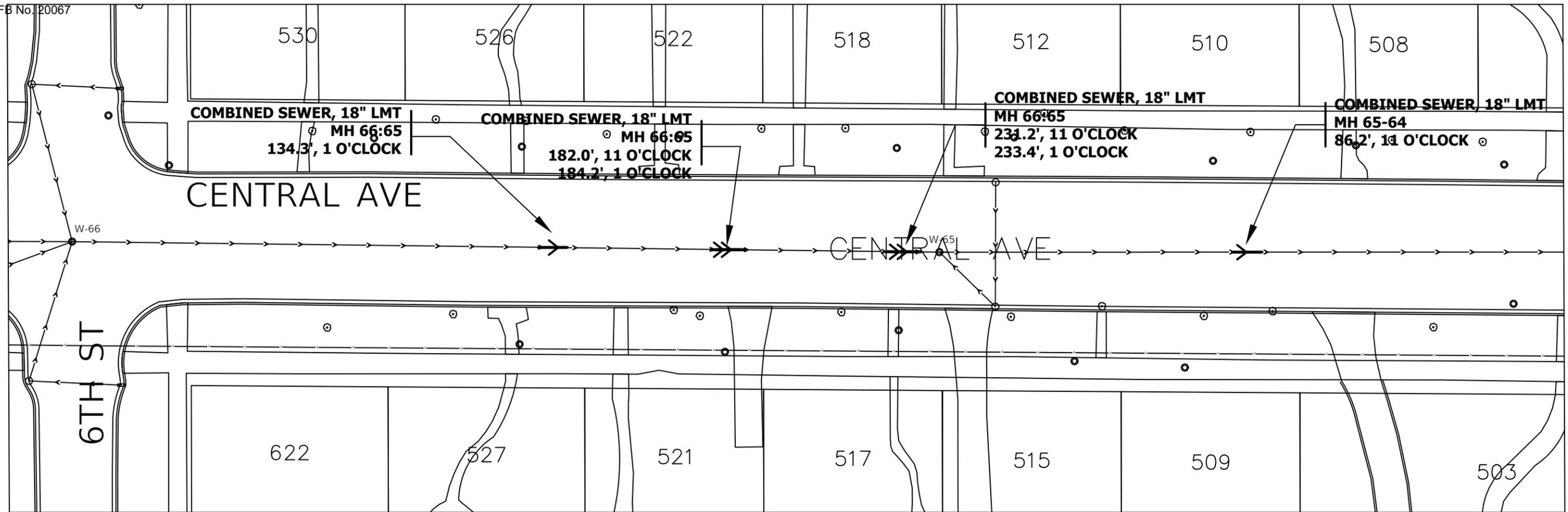
USER NAME = *****	DESIGNED - DH	REVISED - -
PLOT SCALE = ViewportScale	DRAWN - ND	REVISED - -
PLOT DATE = 2/26/2019	CHECKED - -	REVISED - -
	DATE - -	REVISED - -



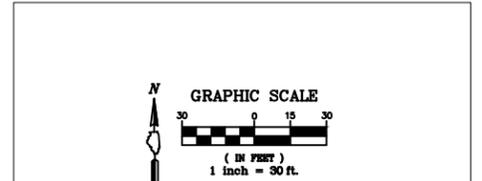
THE VILLAGE OF WILMETTE  
 1200 WILMETTE AVENUE  
 WILMETTE, ILLINOIS 60091  
 P: 847-853-7660 F: 847-853-7701

2020 SEWER REPAIR AND VALVE INSTALLATION PROGRAM  
 CENTRAL AVENUE (400 BLK) SEWER REPAIR  
 SCALE: 1"=30' SHEET NO. 3 OF 21 SHEETS STA. 0+00 TO STA. 0+00

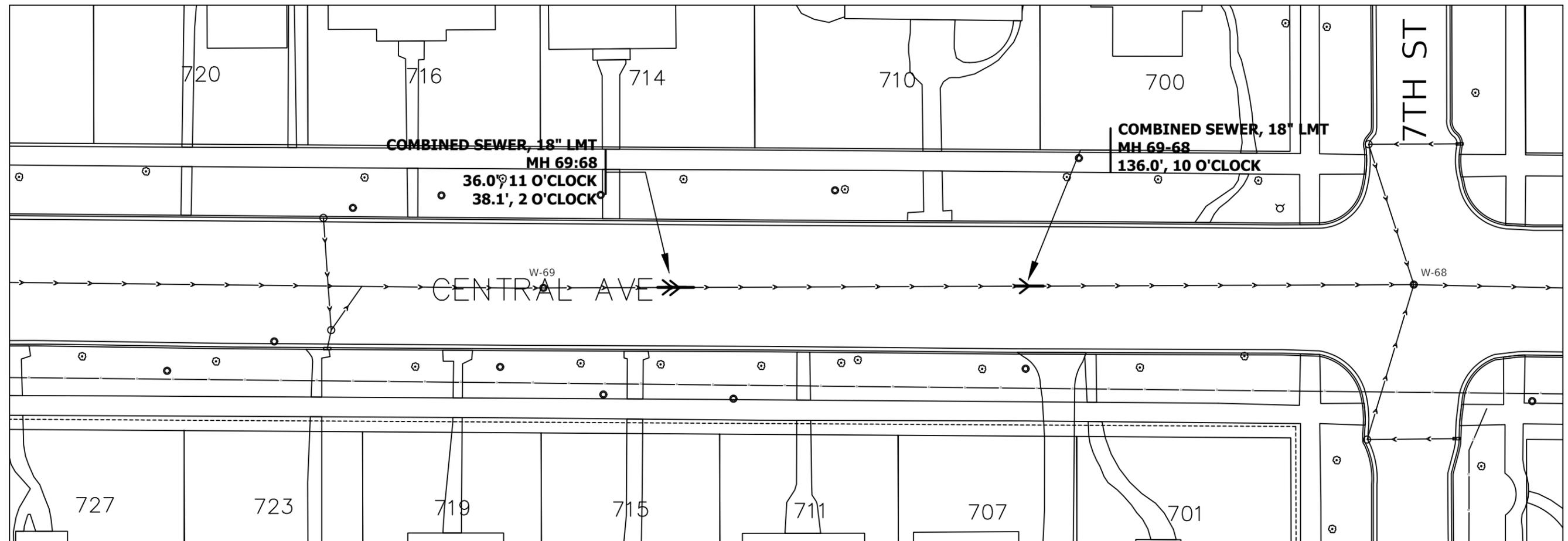
COUNTY	TOTAL SHEETS	SHEET NO.
COOK	21	3
CONTRACT NO. 20067		
WILMETTE, ILLINOIS		



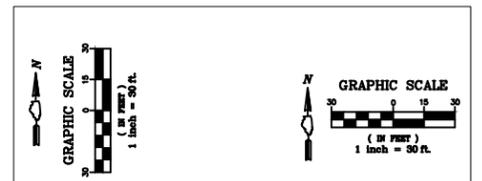
Street	Diameter/Type	MH to MH	Service(s)	Average Depth (FT)	Pavement	Patch
CENTRAL AVE (500 BLK)	18" LMT	66-65	134.3', 1 O'CLOCK	13.5	3.75" HMA / 8.25" PCC	3" HMA
CENTRAL AVE (500 BLK)	18" LMT	66-65	182.0', 11 O'CLOCK	13.5	3.75" HMA / 8.25" PCC	3" HMA
CENTRAL AVE (500 BLK)	18" LMT	66-65	184.2', 1 O'CLOCK	13.5	3.75" HMA / 8.25" PCC	3" HMA
CENTRAL AVE (500 BLK)	18" LMT	66-65	231.2', 11 O'CLOCK	13.5	3.75" HMA / 8.25" PCC	3" HMA
CENTRAL AVE (500 BLK)	18" LMT	66-65	233.4', 1 O'CLOCK	13.5	3.75" HMA / 8.25" PCC	3" HMA
CENTRAL AVE (500 BLK)	18" LMT	65-64	86.2', 11 O'CLOCK	13.5	3.75" HMA / 8.25" PCC	3" HMA

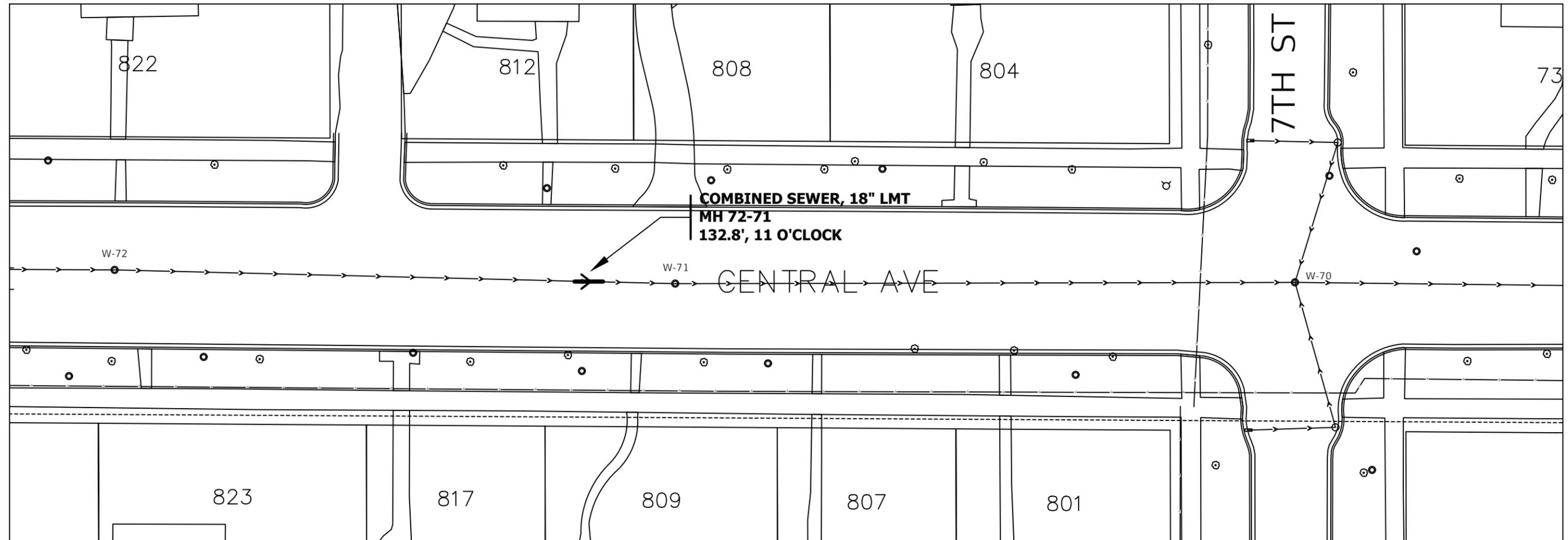




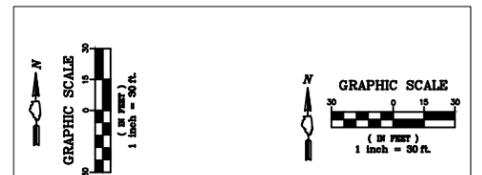


Street	Diameter/Type	MH to MH	Service(s)	Average Depth (FT)	Pavement	Patch
CENTRAL AVE (700 BLK)	18" LMT	69-68	36.0', 11 O'CLOCK	14.5	3.5" HMA / 9" PCC	3" HMA
CENTRAL AVE (700 BLK)	18" LMT	69-68	38.1', 2 O'CLOCK	14.5	3.5" HMA / 9" PCC	3" HMA
CENTRAL AVE (700 BLK)	18" LMT	69-68	136.0', 10 O'CLOCK	14.5	3.5" HMA / 9" PCC	3" HMA





Street	Diameter/Type	MH to MH	Service(s)	Average Depth (FT)	Pavement	Patch
CENTRAL AVE (800 BLK)	18" LMT	72-71	132.8', 11 O'CLOCK	14	3.5" HMA / 7.75" PCC	3" HMA



USER NAME = *****	DESIGNED - DH	REVISED - -
PLOT SCALE = ViewportScale	DRAWN - ND	REVISED - -
PLOT DATE = 2/26/2019	CHECKED - -	REVISED - -
	DATE - -	REVISED - -

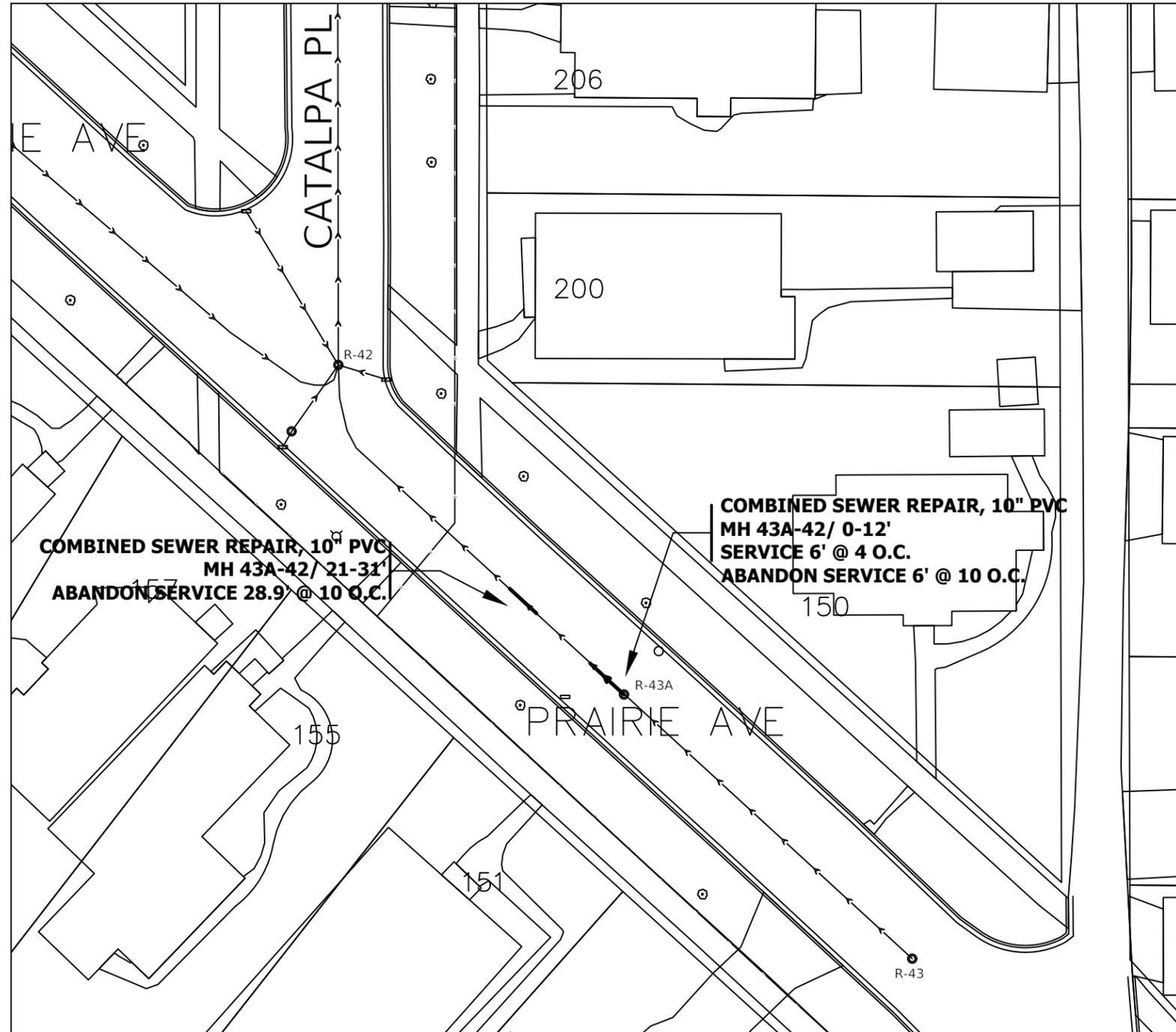


THE VILLAGE OF WILMETTE  
 1200 WILMETTE AVENUE  
 WILMETTE, ILLINOIS 60091  
 P: 847-853-7660 F: 847-853-7701

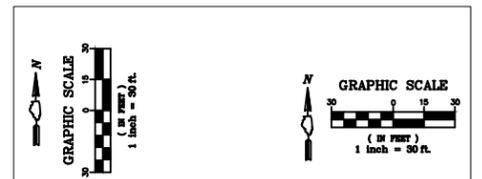
2020 SEWER REPAIR AND VALVE INSTALLATION PROGRAM  
 CENTRAL (800 BLK) SEWER REPAIR

SCALE: 1"=30' SHEET NO. 7 OF 21 SHEETS STA. 0+00 TO STA. 0+00

COUNTY	TOTAL SHEETS	SHEET NO.
COOK	21	7
CONTRACT NO. 20067		
WILMETTE, ILLINOIS		



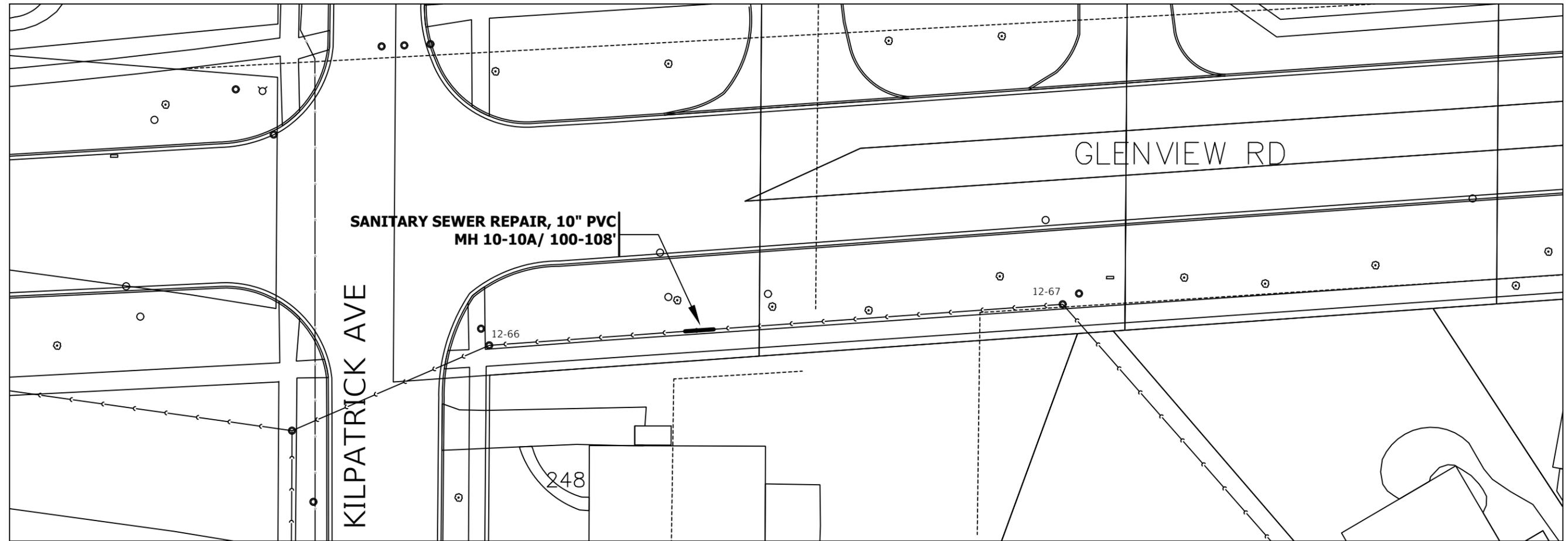
Street	MH to MH	Pipe Size/Type	Length of Repair (FT)	Average Depth (FT)	Service(s)	Pavement	Patch
Prairie Avenue	43A-42	10" PVC [ASTM D-3034]/ JOINT ASTM D-3212	12	6.5	1 replaced 1 abandoned	3.5" HMA / 4" Brick	4" HMA
Prairie Avenue	43A-42	10" PVC [ASTM D-3034]/ JOINT ASTM D-3212	10	6.5	1 abandoned	3.5" HMA / 4" Brick	4" HMA



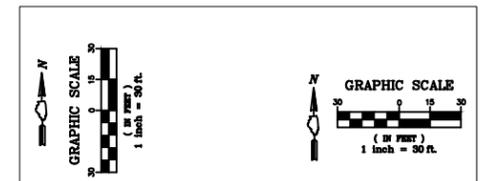
USER NAME = *****	DESIGNED - DH	REVISED - -
PLOT SCALE = ViewportScale	DRAWN - ND	REVISED - -
PLOT DATE = 2/26/2019	CHECKED - -	REVISED - -
	DATE - -	REVISED - -



COUNTY	TOTAL SHEETS	SHEET NO.
COOK	22	8
CONTRACT NO. 20067		
WILMETTE, ILLINOIS		



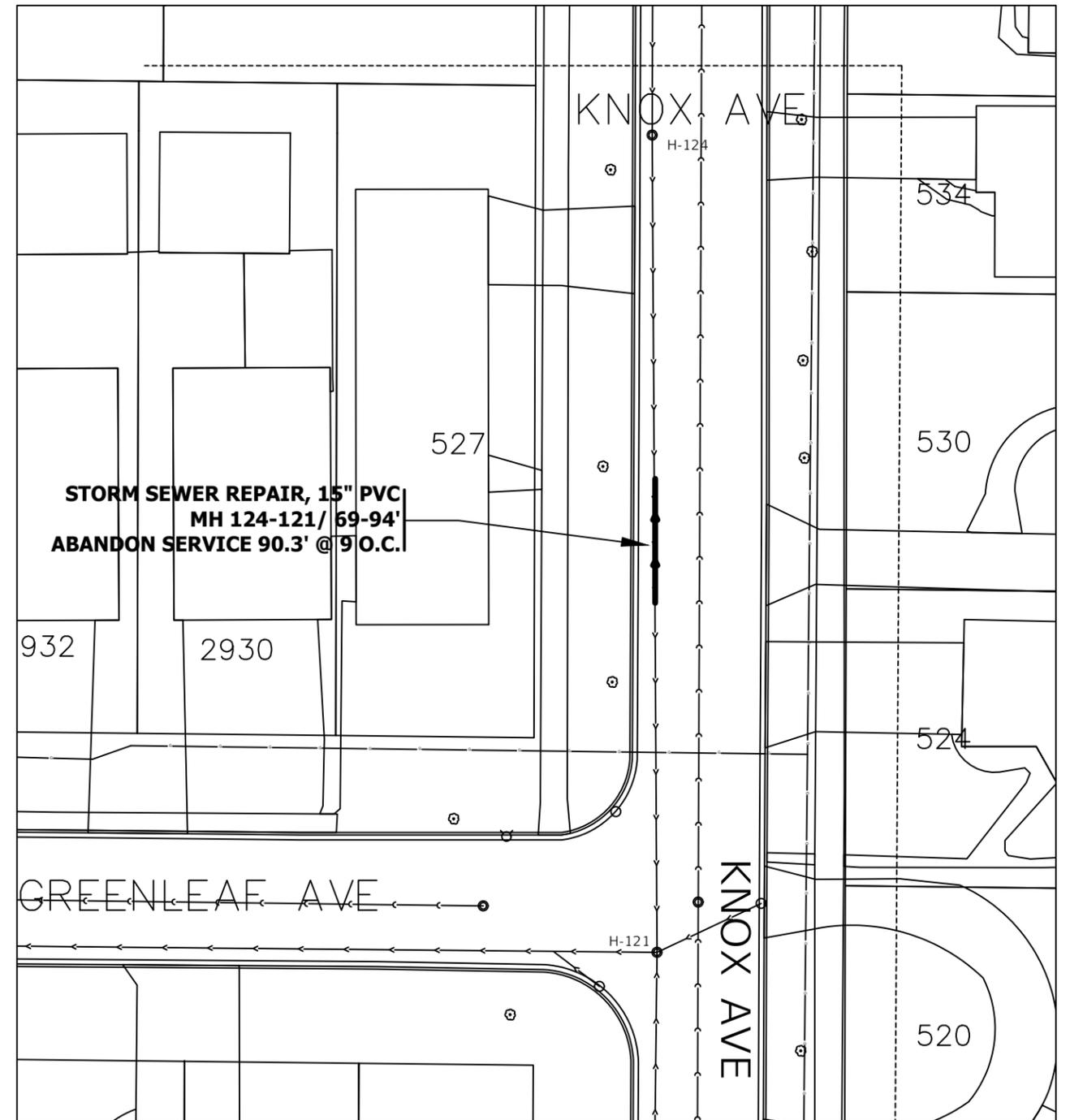
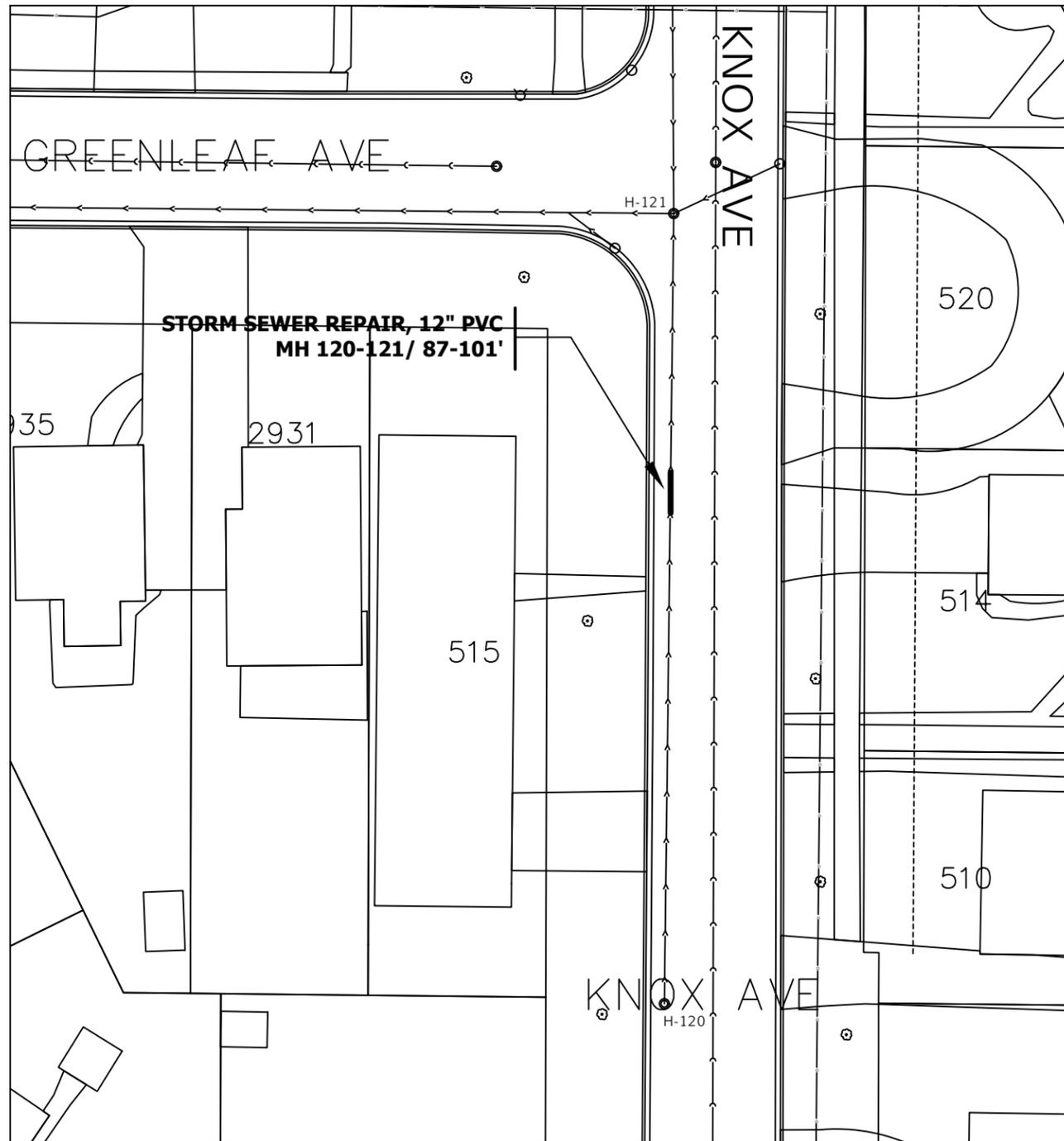
Street	MH to MH	Pipe Size/Type	Length of Repair (FT)	Average Depth (FT)	Service(s)	Pavement	Patch
Glenview Road	67-66	10" PVC [ASTM D-3034]/ JOINT ASTM D-3212	10	6	0	Parkway	N/A



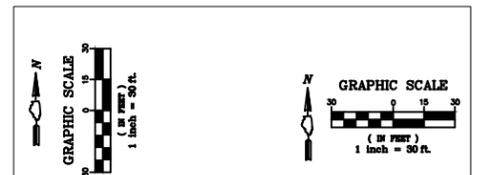
USER NAME = *****	DESIGNED - DH	REVISED - -
PLOT SCALE = ViewportScale	DRAWN - ND	REVISED - -
PLOT DATE = 2/26/2019	CHECKED - -	REVISED - -
	DATE - -	REVISED - -



COUNTY	TOTAL SHEETS	SHEET NO.
COOK	21	9
CONTRACT NO. 20067		
WILMETTE, ILLINOIS		



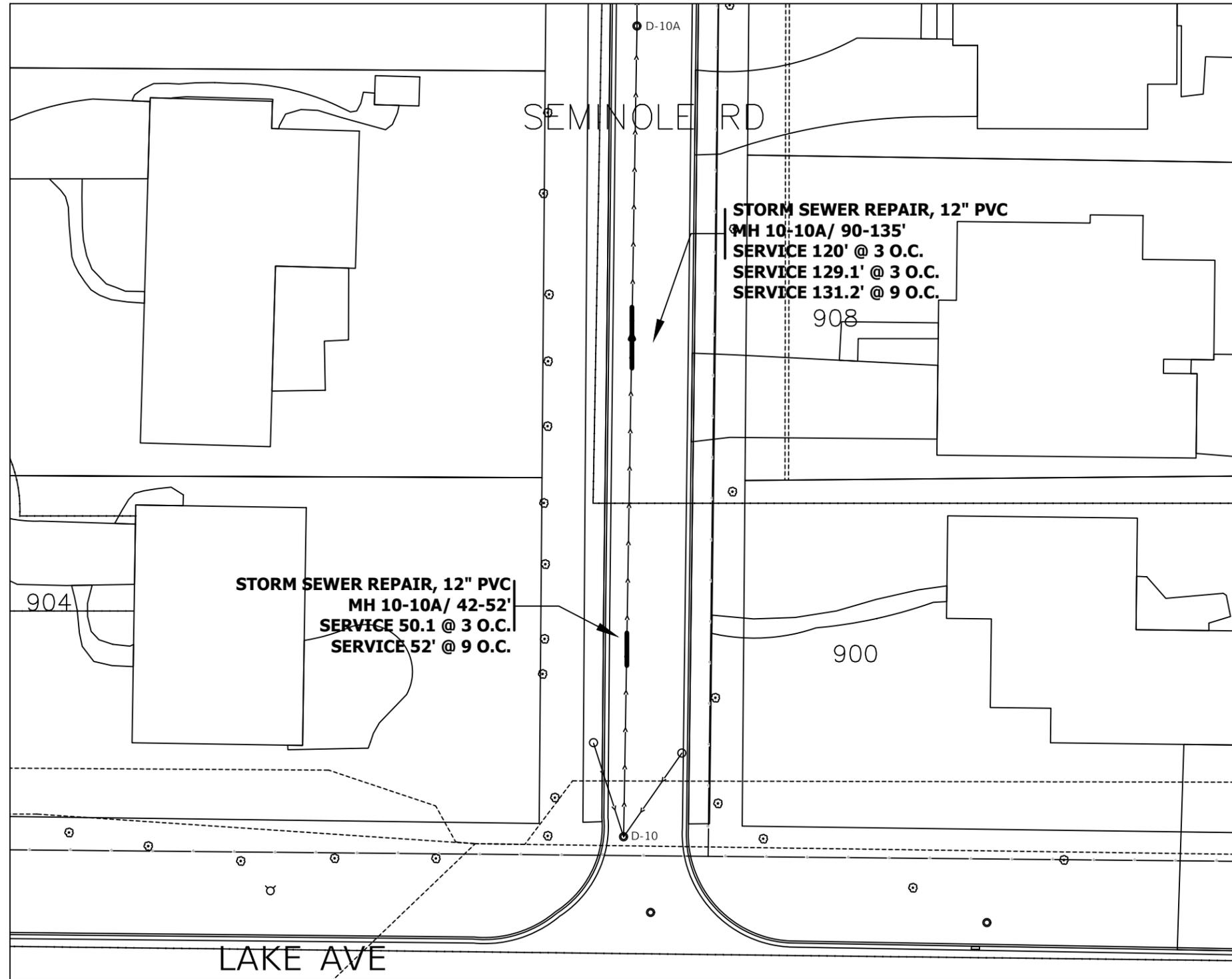
Street	MH to MH	Pipe Size/Type	Length of Repair (FT)	Average Depth (FT)	Service(s)	Pavement	Patch
Knox Avenue	120-121	12" PVC [ASTM D-3034]/ JOINT ASTM D-3212	14	9	0	3.5" HMA	4" HMA Binder
Knox Avenue	124-121	15" PVC [ASTM D-3034]/ JOINT ASTM D-3212	25	9	1 abandoned	3.5" HMA	4" HMA Binder



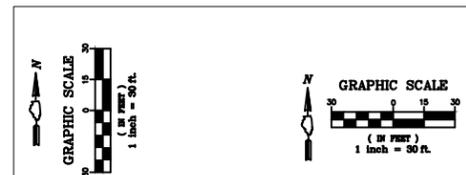
USER NAME = *****	DESIGNED - DH	REVISED - -
PLOT SCALE = ViewportScale	DRAWN - ND	REVISED - -
PLOT DATE = 2/26/2019	CHECKED - -	REVISED - -
	DATE - -	REVISED - -



COUNTY	TOTAL SHEETS	SHEET NO.
COOK	21	10
CONTRACT NO. 20067		
WILMETTE, ILLINOIS		



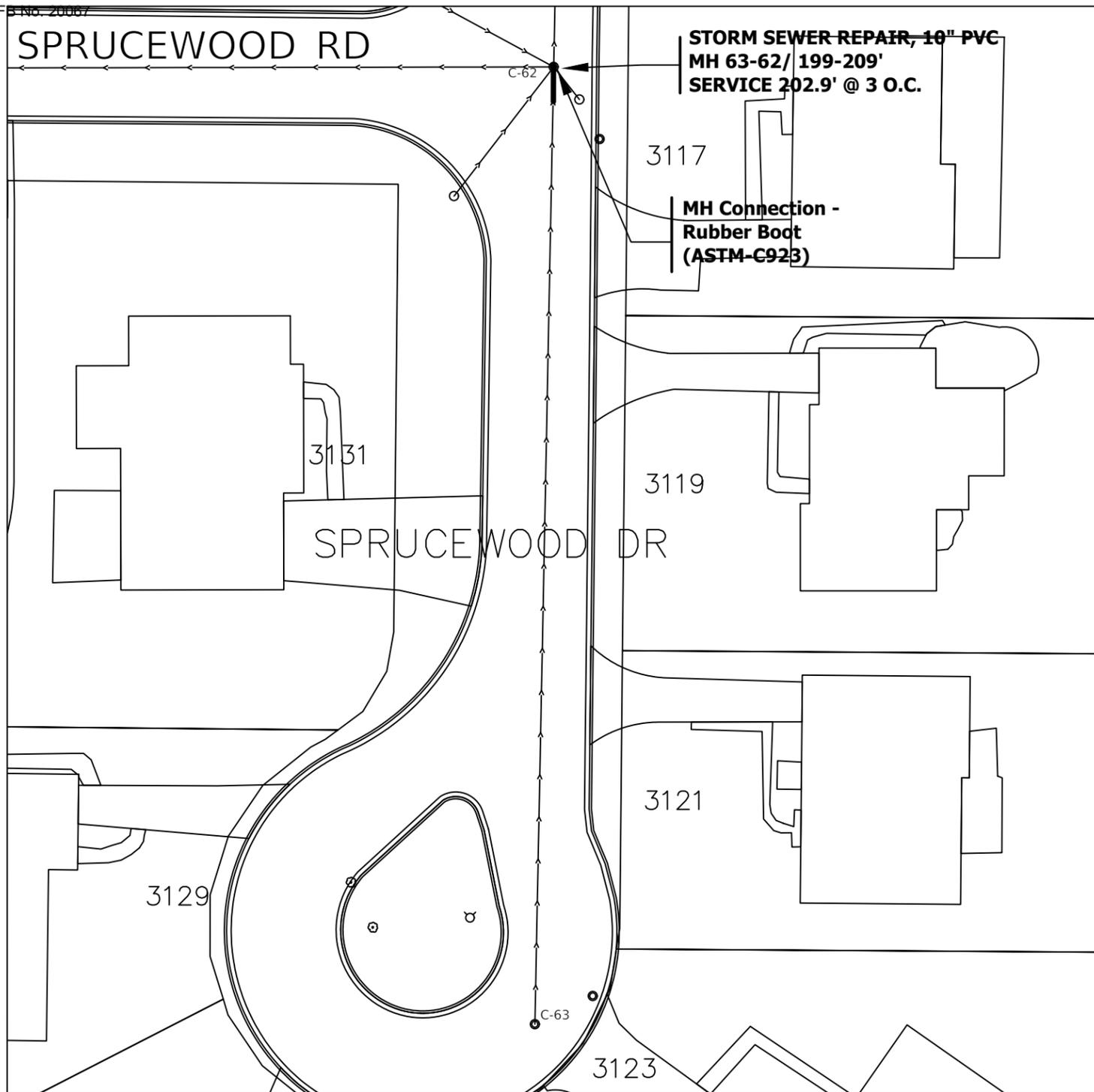
Street	MH to MH	Pipe Size/Type	Length of Repair (FT)	Average Depth (FT)	Service(s)	Pavement	Patch
Seminole Road	10-10A	12" PVC [ASTM D-3034]/ JOINT ASTM D-3212	10	6.5	2 replaced	5.5" HMA / 9" PCC	5.5" HMA / 9" PCC
Seminole Road	10-10A	12" PVC [ASTM D-3034]/ JOINT ASTM D-3212	45	6.5	3 replaced	5.5" HMA / 9" PCC	5.5" HMA / 9" PCC



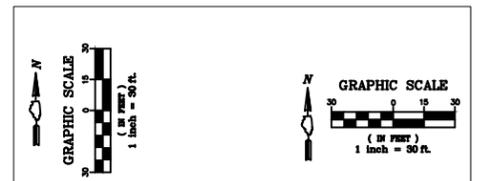
USER NAME = *****	DESIGNED - DH	REVISED - -
PLOT SCALE = ViewportScale	DRAWN - ND	REVISED - -
PLOT DATE = 2/26/2019	CHECKED - -	REVISED - -
	DATE - -	REVISED - -



COUNTY	TOTAL SHEETS	SHEET NO.
COOK	21	11
CONTRACT NO. 20067		
WILMETTE, ILLINOIS		



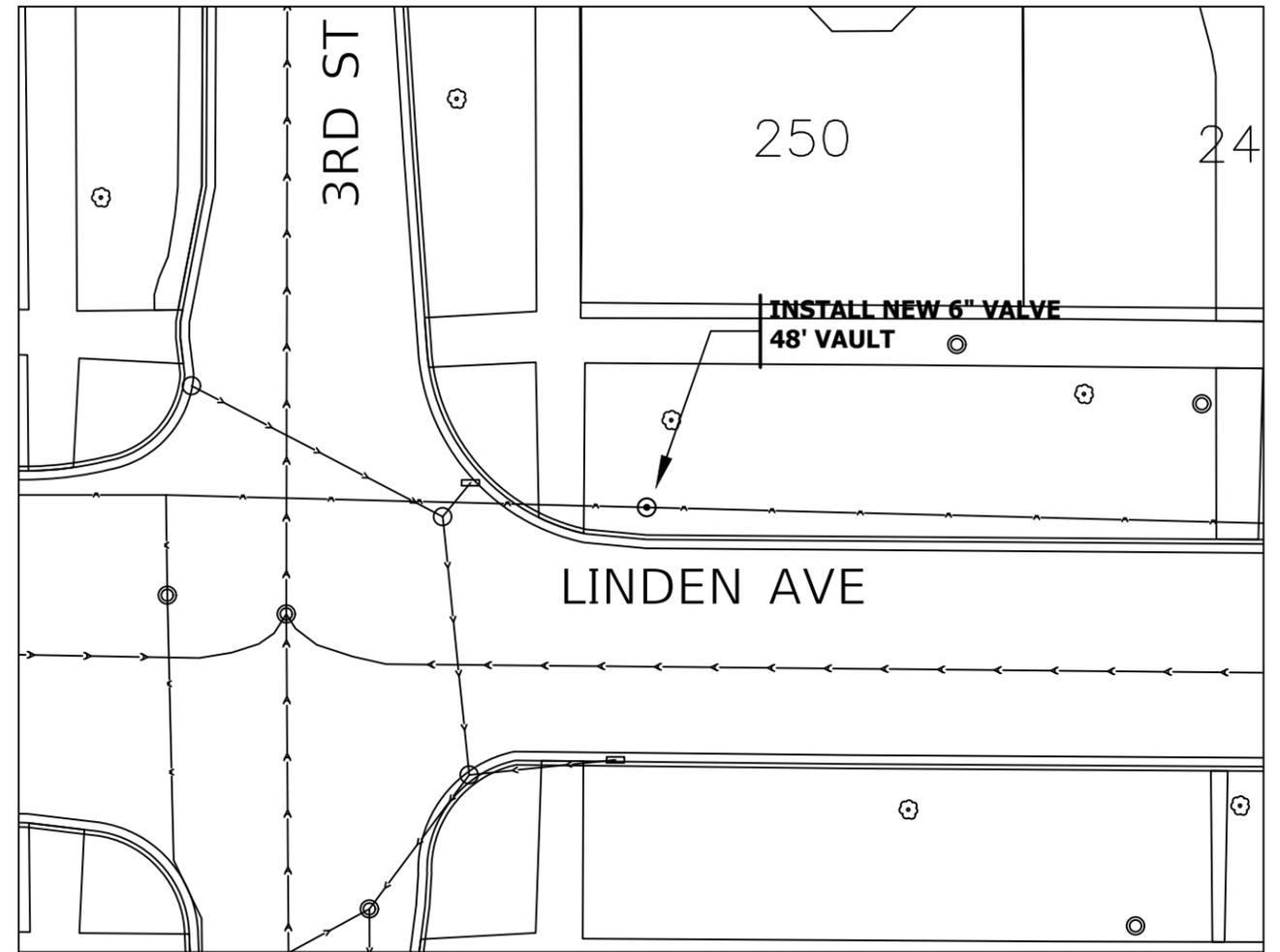
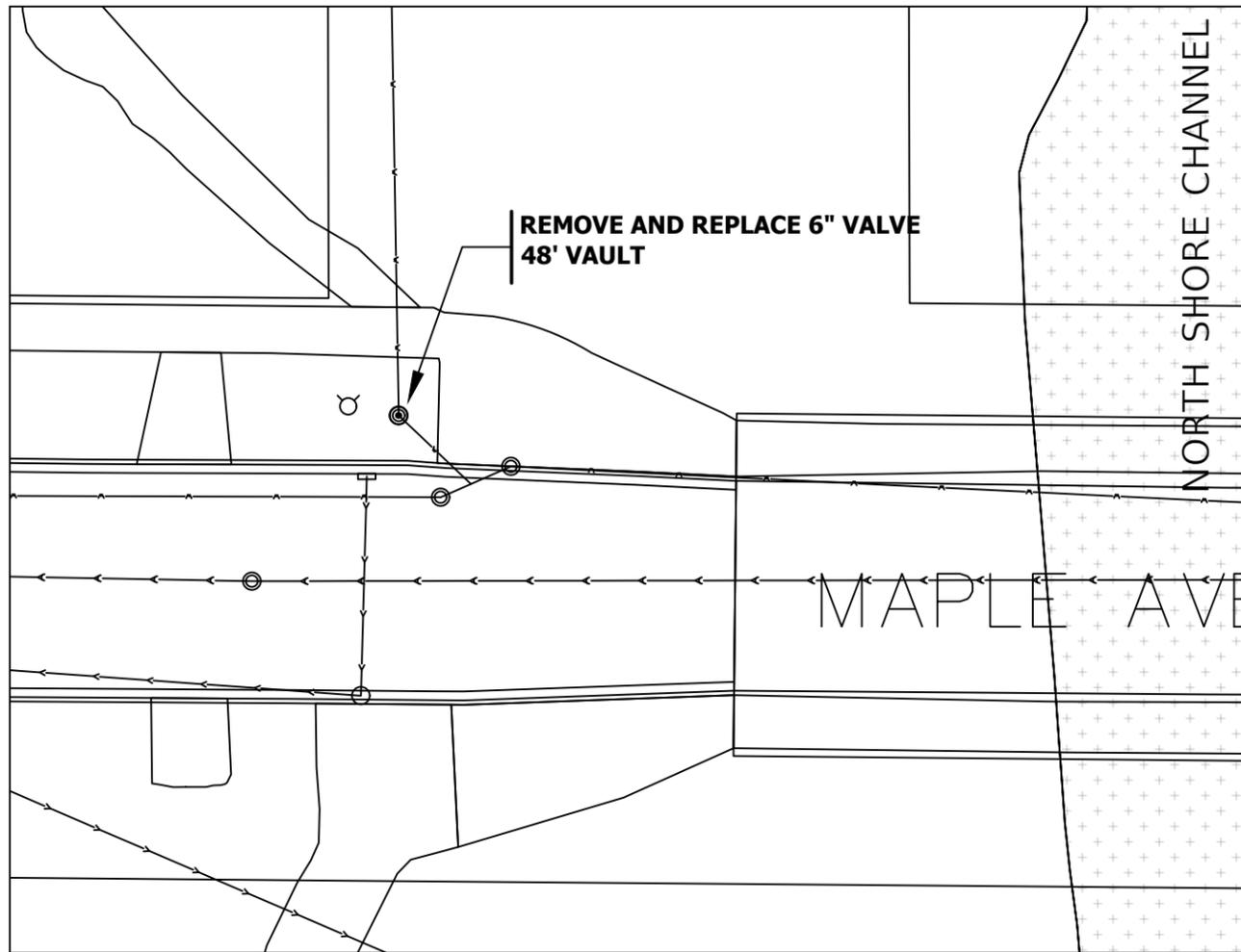
Street	MH to MH	Pipe Size/Type	Length of Repair (FT)	Average Depth (FT)	Service(s)	Pavement	Patch
Sprucewood Dr	63-62	10" PVC [ASTM D-3034]/ JOINT ASTM D-3212	10	5	1 replaced	4" HMA	4" HMA



USER NAME = *****	DESIGNED - DH	REVISED - -
PLOT SCALE = ViewportScale	DRAWN - ND	REVISED - -
PLOT DATE = 2/26/2019	CHECKED - -	REVISED - -
	DATE - -	REVISED - -



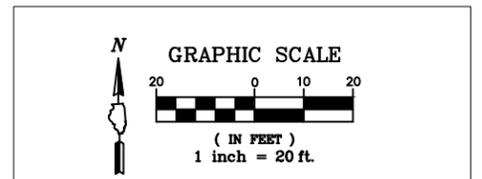
COUNTY	TOTAL SHEETS	SHEET NO.
COOK	21	12
CONTRACT NO. 20067		
WILMETTE, ILLINOIS		

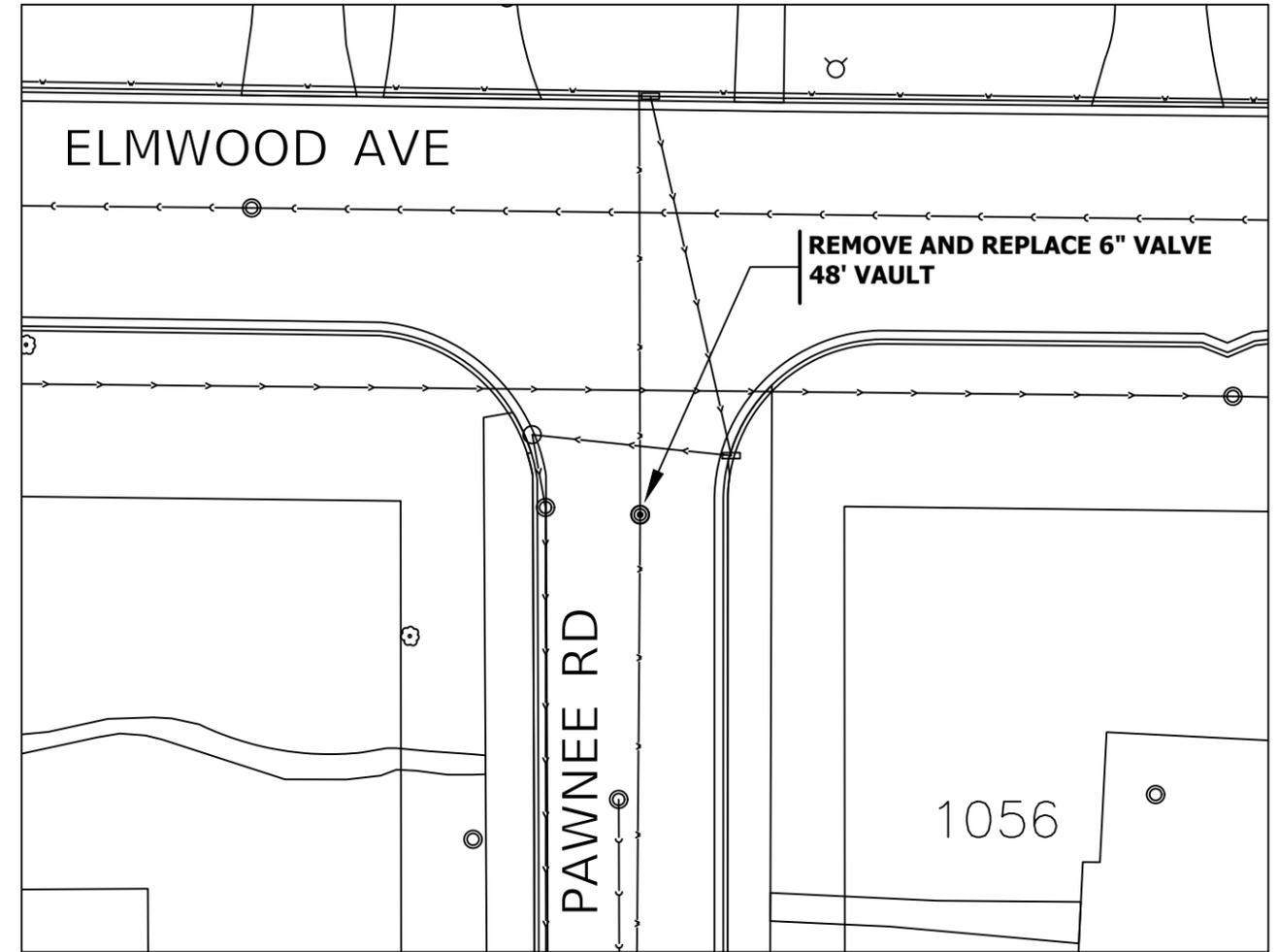
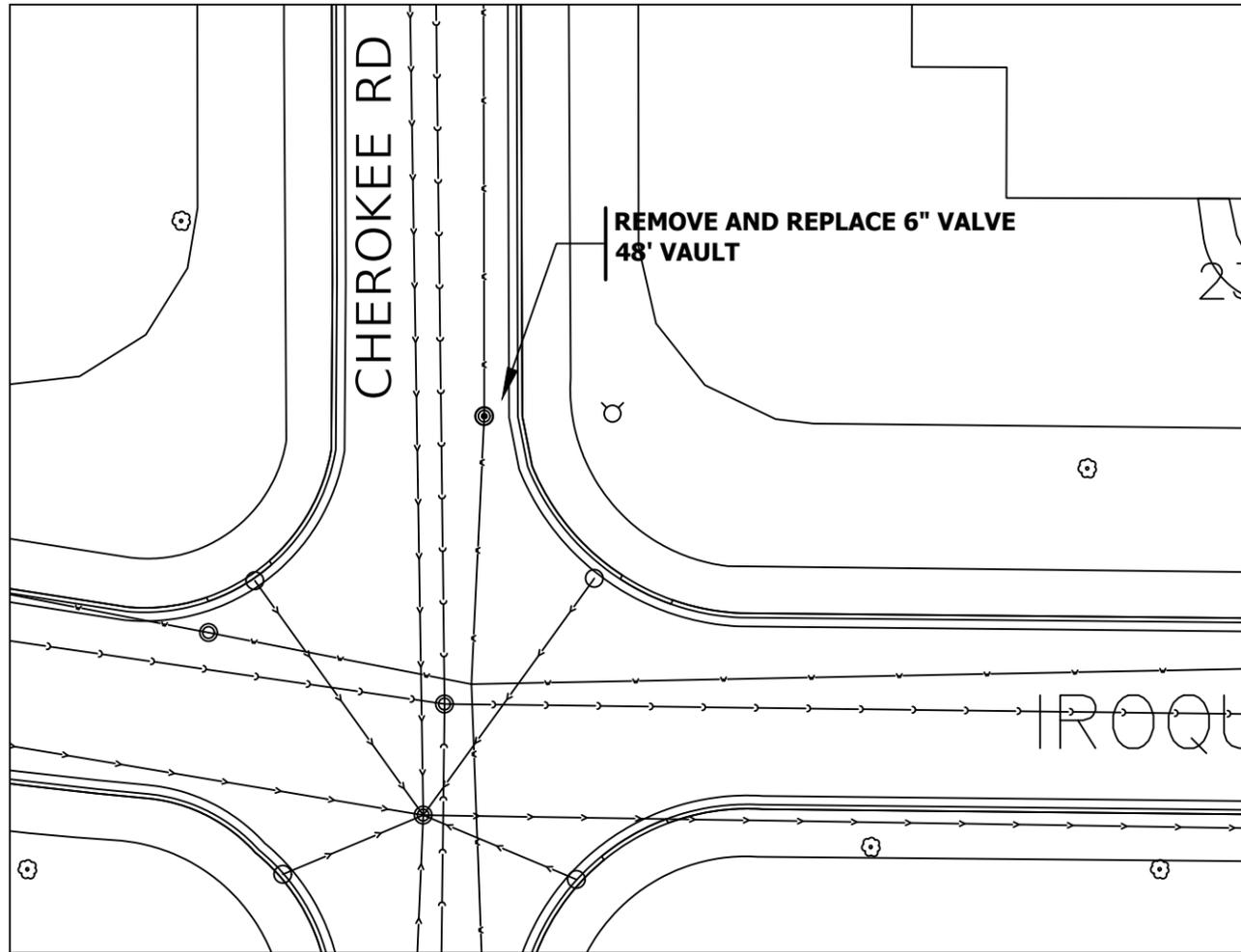


Street	Installation	Pavement	Patch
Maple Avenue	6" Gate Valve / 48" Vault	Parkway	N/A
Linden Avenue	6" Gate Valve / 48" Vault	Parkway	N/A

**VALVE REPLACEMENT RESTRICTIONS:**

- WATER SHUT-OFF TIMES ARE FROM 8:30AM TO 3:30PM (UNLESS OTHERWISE SPECIFIED)
- WATER MUST BE RESTORED BY 3:30PM
- CONTRACTOR CAN INSTALL A MAXIMUM OF TWO (2) VALVES PER DAY.
- UNDER NO CONDITION SHALL THE CONTRACTOR OPERATE ANY VILLAGE VALVES. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AT LEAST 48 HOURS PRIOR TO BEGINNING ANY CONSTRUCTION REQUIRING WATER MAIN SHUT DOWNS. THE CONTRACTOR SHALL COORDINATE ALL WATER MAIN SHUT DOWNS WITH THE ENGINEER. THE WATER & SEWER DIVISION WILL BE RESPONSIBLE FOR ALL MAIN SHUT DOWNS.

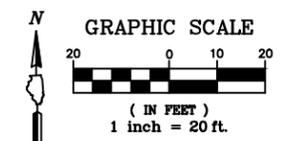


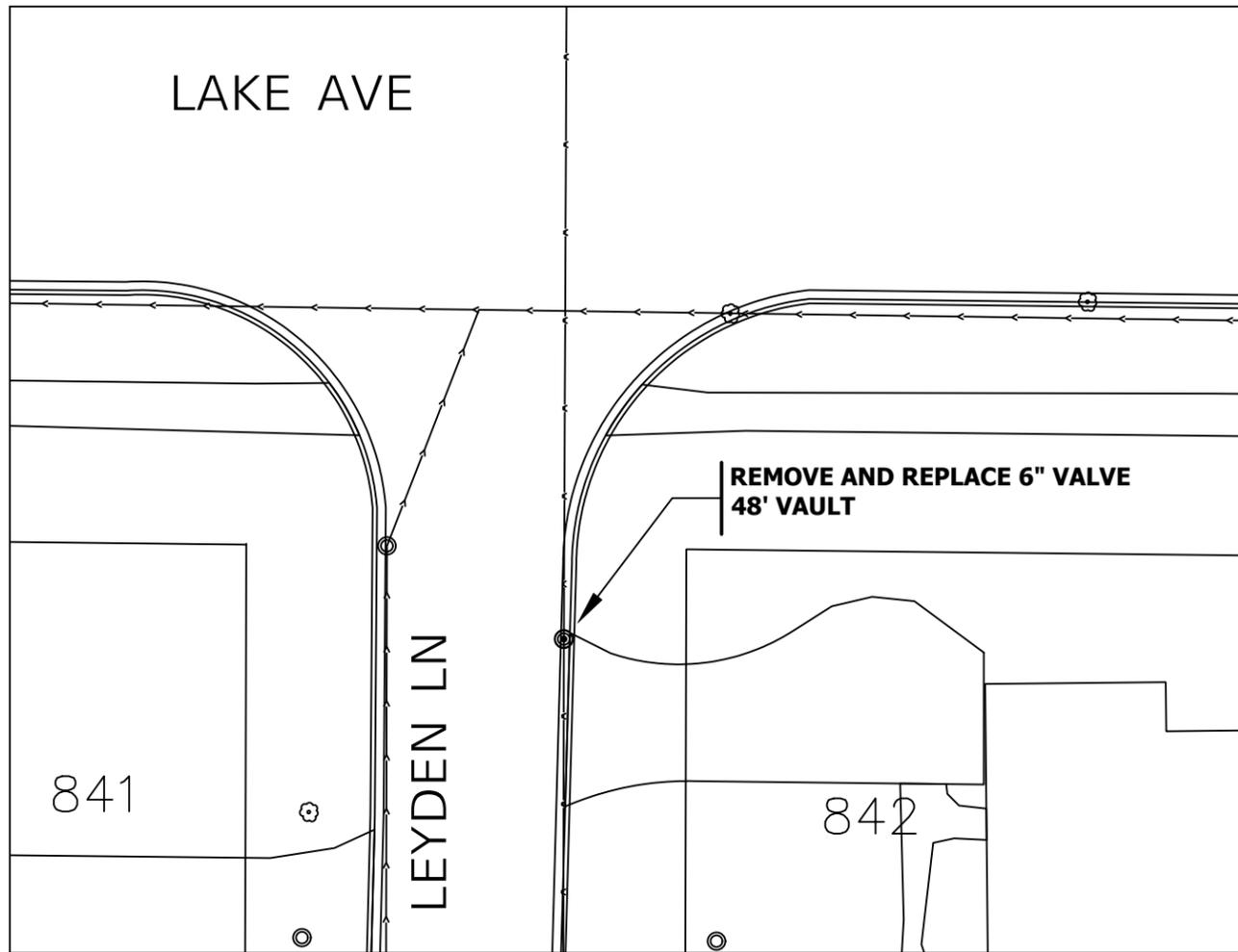


Street	Installation	Pavement	Patch
Cherokee Road	6" Gate Valve / 48" Vault	2.75" HMA / 9" PCC	1.5" HMA Surface / 1.5" HMA Binder / 9" PCC
Pawnee Road	6" Gate Valve / 48" Vault	10" HMA	2" HMA Surface / 6" HMA Binder

**VALVE REPLACEMENT RESTRICTIONS:**

- WATER SHUT-OFF TIMES ARE FROM 8:30AM TO 3:30PM (UNLESS OTHERWISE SPECIFIED)
- WATER MUST BE RESTORED BY 3:30PM
- CONTRACTOR CAN INSTALL A MAXIMUM OF TWO (2) VALVES PER DAY.
- UNDER NO CONDITION SHALL THE CONTRACTOR OPERATE ANY VILLAGE VALVES. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AT LEAST 48 HOURS PRIOR TO BEGINNING ANY CONSTRUCTION REQUIRING WATER MAIN SHUT DOWNS. THE CONTRACTOR SHALL COORDINATE ALL WATER MAIN SHUT DOWNS WITH THE ENGINEER. THE WATER & SEWER DIVISION WILL BE RESPONSIBLE FOR ALL MAIN SHUT DOWNS.

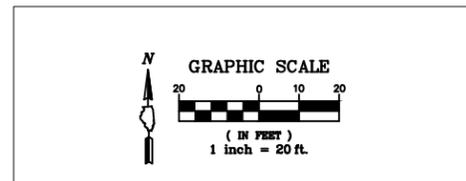




**VALVE REPLACEMENT RESTRICTIONS:**

- WATER SHUT-OFF TIMES ARE FROM 8:30AM TO 3:30PM (UNLESS OTHERWISE SPECIFIED)
- WATER MUST BE RESTORED BY 3:30PM
- CONTRACTOR CAN INSTALL A MAXIMUM OF TWO (2) VALVES PER DAY.
- UNDER NO CONDITION SHALL THE CONTRACTOR OPERATE ANY VILLAGE VALVES. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AT LEAST 48 HOURS PRIOR TO BEGINNING ANY CONSTRUCTION REQUIRING WATER MAIN SHUT DOWNS. THE CONTRACTOR SHALL COORDINATE ALL WATER MAIN SHUT DOWNS WITH THE ENGINEER. THE WATER & SEWER DIVISION WILL BE RESPONSIBLE FOR ALL MAIN SHUT DOWNS.

Street	Installation	Pavement	Patch
Leyden Lane	6" Gate Valve / 48" Vault	2.75" HMA	1.5" HMA Surface / 1.5" HMA Binder



### Traffic Control Summary

Traffic Control shall be according to Section 701 'Work Zone Traffic Control and Protection' of the Standard Specifications, the Maintenance of Traffic Plans, the Speical Provisions, and the MUTCD.

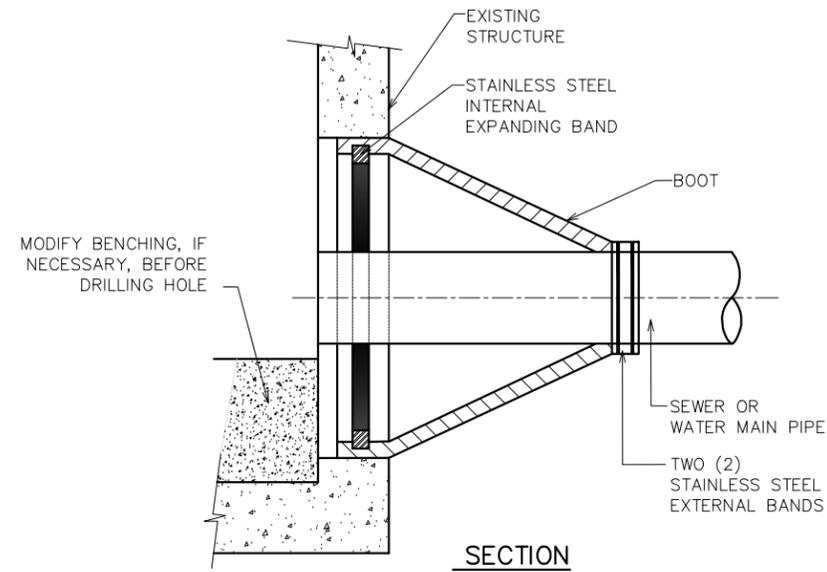
Location	Typical Traffic Control Measures for each location	All required traffic control will be paid per location as the following highway standard pay items:			
		CODE	DESCRIPTION	UNIT	PAY ITEM
All sewer, valve, and structure locations unless otherwise specified	RCA's, barricades, flaggers for sewer, valve and patching construction operations	701501-06	Urban Lane Closure, 2L, 2W, Undivided	LUMP SUM	TRAFFIC CONTROL AND PROTECTION

**Notes:** The Contractor shall post and maintain 'No Parking' signs furnished by the Village.  
 Roads may not be closed without the prior approval of the Resident Engineer.  
 Road closures will require the use of Type III barricades affixed with 'Road Closed' placed at the closure and 'Road Closed to Thru Traffic' placed at the nearest cross street or flaggers for short term closures.

Work zone traffic control as required by the Standard Specifications, Highway Standards, Special Provisions, Plans, MUTCD, and the Resident Engineer shall be included in the bid price for the various TRAFFIC CONTROL AND PROTECTION pay items.



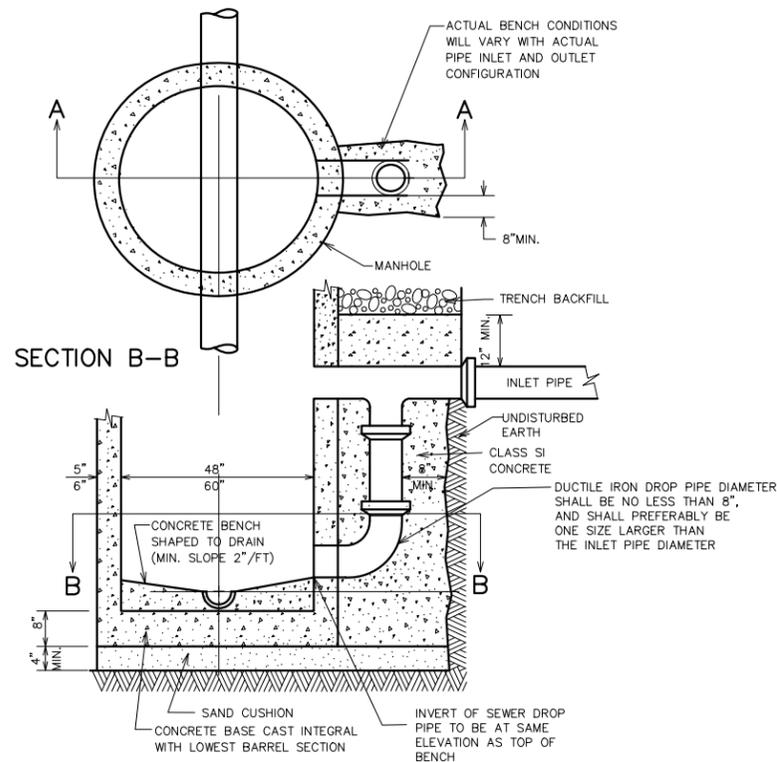




SECTION  
PIPE CONNECTION TO STRUCTURE

**NOTES:**

1. CORE-DRILL CIRCULAR OPENING IN STRUCTURE WALL OF DIAMETER TO FIT THE REQUIRED BOOT SIZE.
2. KOR-N SEAL FLEXIBLE RUBBER BOOT (MANUFACTURED BY NATIONAL POLLUTION CONTROL SYSTEMS, INC. OR AS APPROVED BY VILLAGE ENGINEERING SHALL BE USED FOR WATERTIGHT CONNECTION CONFORMING TO ASTM C-923.
3. CUT, SHAPE AND SLOPE NEW INVERT CHANNEL IN THE EXISTING CONCRETE BENCH FOR SMOOTH FLOW FROM NEW CONNECTION.
4. CLEAN EXISTING STRUCTURE AND SEWER PIPE OF ANY DIRT, CONCRETE OR DEBRIS WHICH MAY ACCUMULATE DURING THE CONSTRUCTION PROCESS.

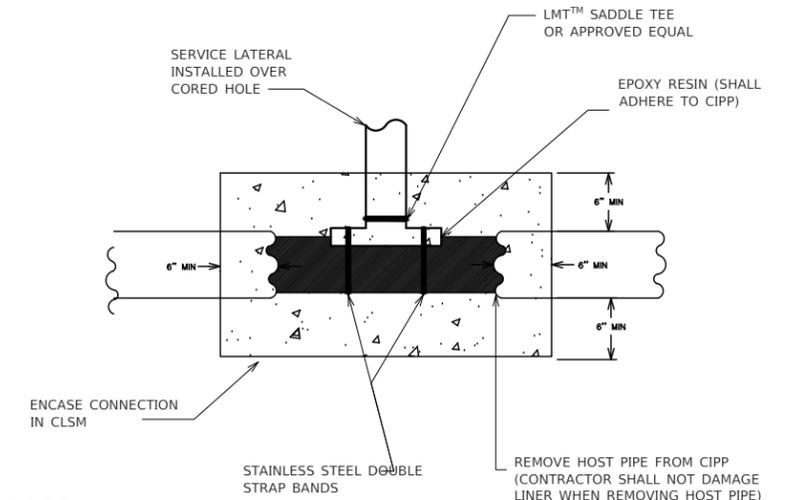


SECTION A-A  
SECTION B-B  
DROP MANHOLE

**NOTE:**

1. DROP MANHOLE WILL BE REQUIRED WHERE DIFFERENCE BETWEEN INVERT ELEVATION OF INLET AND DOWNSTREAM PIPE IS GREATER THAN 12".
2. NON-PRECAST OPENINGS SHALL BE CORED, RUBBER BOOTED AND INTERIOR MORTARED AROUND PIPE.\*

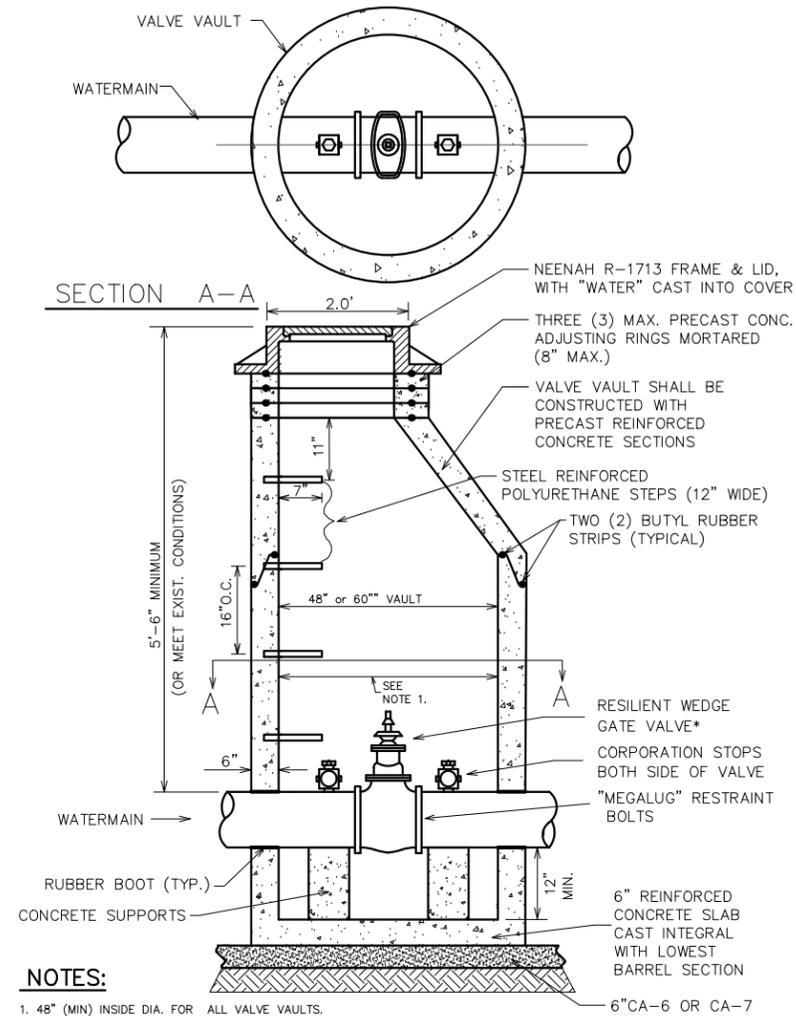
\* SEE PIPE CONNECTION TO STRUCTURE DETAIL



**NOTES:**

1. CAREFULLY REMOVE A PORTION OF THE EXISTING SEWER MAIN OR CARRIER PIPE TO EXPOSE THE CURED IN PLACE PIPE (CIPP) OR LINED PIPE. PROVIDE SUFFICIENT SPACE FOR INSTALLING A PREFABRICATED PIPE SADDLE. THE LINEAR PIPE SHALL NOT BE DAMAGED. THE CUT OUT HOLE SECTION SHALL BE COATED WITH APPROVED RESIN EPOXY WHICH WILL CURE AT THE AMBIENT TEMPERATURE.
  2. CAREFULLY CORE THE LINED PIPE MAKING A HOLE TO ACCEPT THE STUB OUT PROTRUDING FROM THE UNDERSIDE OF THE SADDLE. THE CORED HOLE SECTION SHALL BE COATED WITH APPROVED EPOXY RESIN WHICH WILL CURE AT THE AMBIENT TEMPERATURE. THE SADDLE SHALL BE INSTALLED OVER THE CORED HOLE.
- THE SADDLE SHALL BE LMT™ (LINED MAIN TAP) SADDLE SYSTEM OR APPROVED EQUAL. THE SADDLE SHALL BE A ONE-PIECE PVC OR POLYETHYLENE SADDLE EQUIPPED WITH A NEOPRENE GASKET SO THAT A COMPLETE SEAL IS ACCOMPLISHED WHEN THE SADDLE IS SECURED WITH TWO (2) STAINLESS STEEL BANDS, ONE ON EACH SIDE.
- THE STUB-OUT ATTACHED TO THE SADDLE MUST PROTRUDE INTO THE LINER IN A DISTANCE EQUAL TO THE WALL THICKNESS OF THE LINER. THE STUB-OUT IS NOT ALLOWED TO PROTRUDE INTO THE PIPE BEYOND THE WALL THICKNESS.
3. STRAP ON THE SADDLE USING A DOUBLE STAINLESS STEEL BAND ON EACH SIDE OF THE SADDLE. TIGHTEN THE BANDS TO ACHIEVE A WATERTIGHT SEAL OF THE SADDLE GASKET TO THE LINER PIPE. THE SADDLE MUST CONNECT DIRECTLY AND ENTIRELY TO THE LINER, NOT THE HOST PIPE
  4. TEST THE SERVICE CONNECTION BEFORE BACKFILLING.
  5. ENCASE THE ENTIRE SERVICE CONNECTION IN CONTROLLED LOW-STRENGTH MATERIAL (CLSM) MIX I, AS SPECIFIED IN SECTION 1019 OF THE LATEST VERSION OF THE IDOT STANDARD SPECIFICATIONS, AS ILLUSTRATED ABOVE. THE EXPOSED SERVICE CONNECTION SHALL BE ENCASED IN CONTROLLED LOW-STRENGTH MATERIAL (CLSM) MIX I, AS SPECIFIED IN SECTION 1019 OF THE LATEST VERSION OF THE IDOT STANDARD SPECIFICATIONS, A MINIMUM OF 6" BELOW, ABOVE, AND ON ALL SIDES OF THE PIPE.

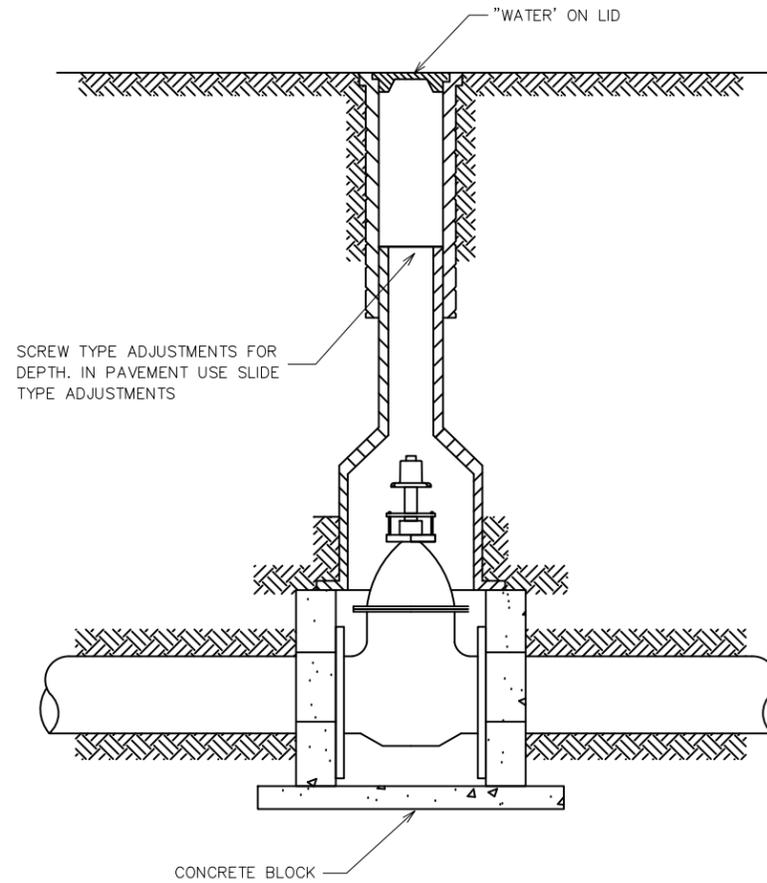
REVISD		<b>SADDLE CONNECTION TO LINED SEWER</b> Village of Wilmette Engineering and Public Works Department 847.853.7660	STANDARD: U-22 SHEET: 1 OF 1 CREATED: DPS DATE: 01-06-2020 NOT TO SCALE
By	Date		



- NOTES:**
1. 48" (MIN) INSIDE DIA. FOR ALL VALVE VAULTS.
  2. VALVE VAULT MUST CONFORM TO ASTM C-478.
  3. USE ECCENTRIC CONE ONLY.
  4. VAULT SECTIONS TO BE TONGUE AND GROOVED.
  5. NON-PRECAST OPENINGS SHALL BE CORED AND RUBBER BOOTED (ASTM C-923 CONNECTORS).\*
  6. BACKFILL MATERIAL SEE SPEC'S
- NOT TO SCALE

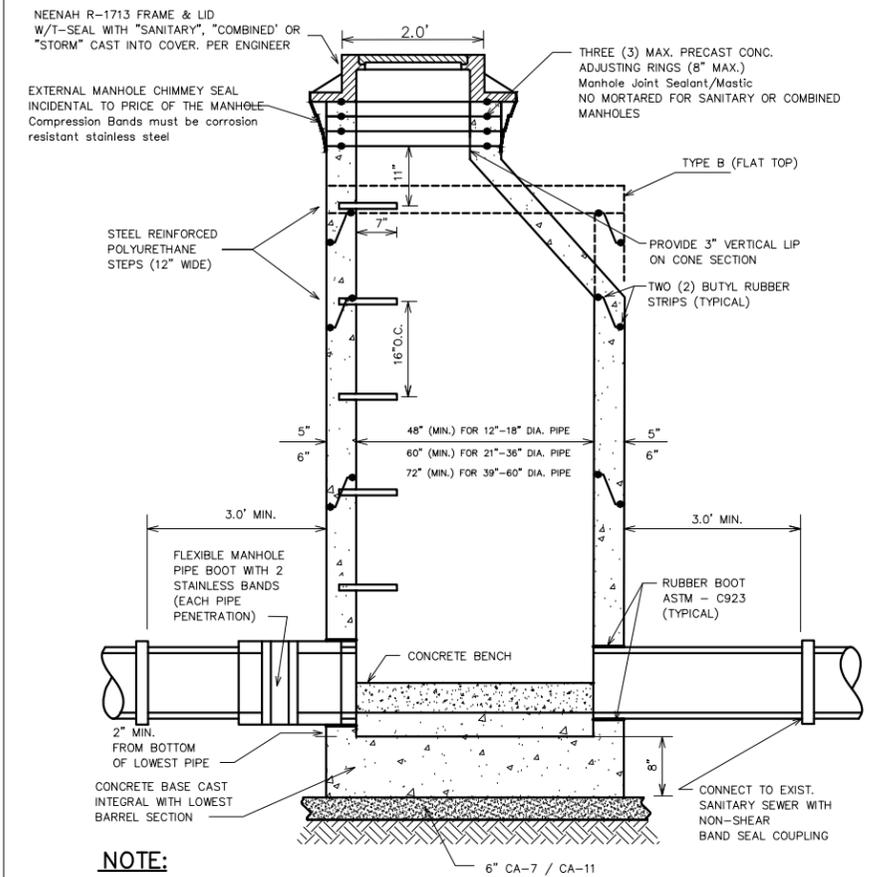
\*"Waterous" / American Flow Control

VALVE VAULT DETAIL, SPECIAL



- NOTES:**
1. TYLER 6850 OR APPROVED EQUAL. FOR LARGER VALVES TYLER 6860 OR APPROVED EQUAL WITH #6 BASE.

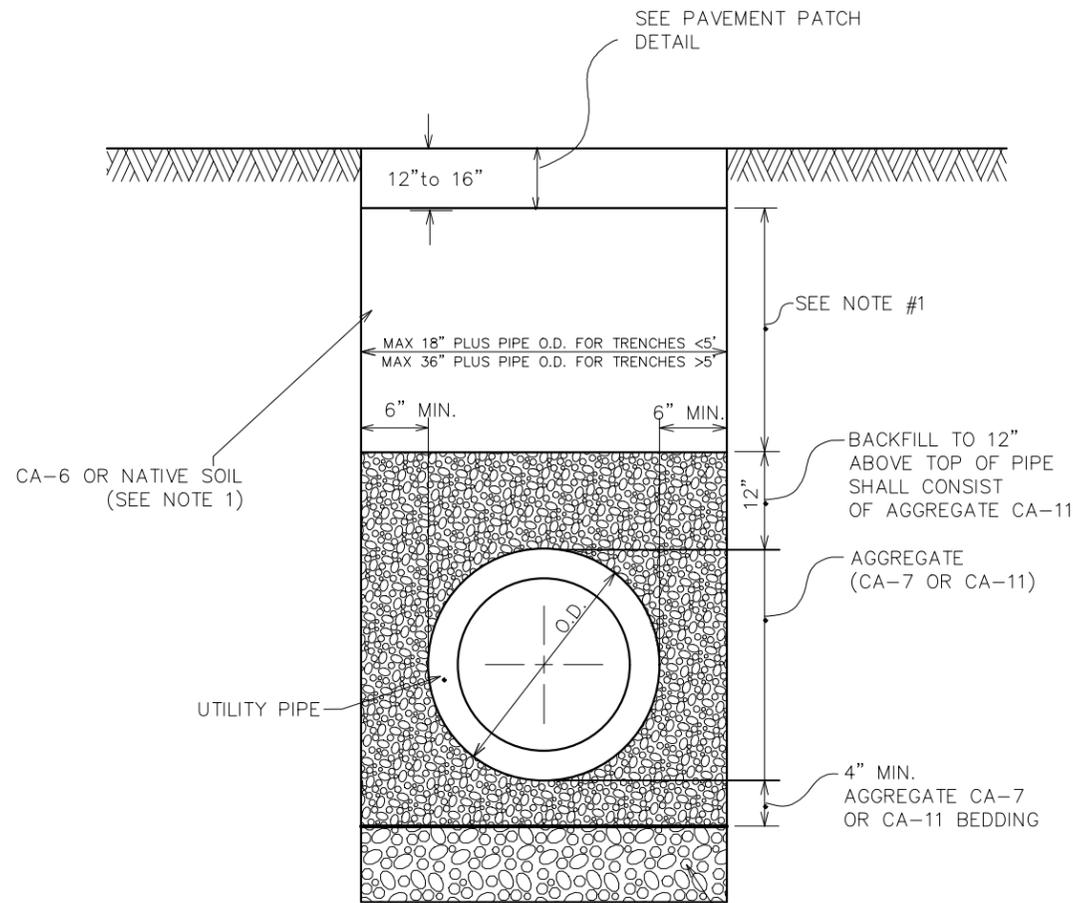
VALVE BOX INSTALLATION



- NOTE:**
1. MANHOLES MUST CONFORM TO ASTM C-478.
  2. MANHOLE SECTIONS TO BE TONGUE AND GROOVED.
  3. BENCHES MUST BE PROVIDED IN ALL SANITARY SEWER MANHOLES
  4. USE EXTERNAL LIFTING "HOLES" ONLY, BUT NOT FULL PENETRATION.
  5. ALL PIPE PENETRATIONS AND ALL NON-PRECAST OPENINGS SHALL BE CORED, RUBBER BOOTED AND INTERIOR MORTARED AROUND PIPE (ASTM C-923 CONNECTORS).\*
  6. USE ECCENTRIC CONE ONLY.

MANHOLE DETAIL, SPECIAL

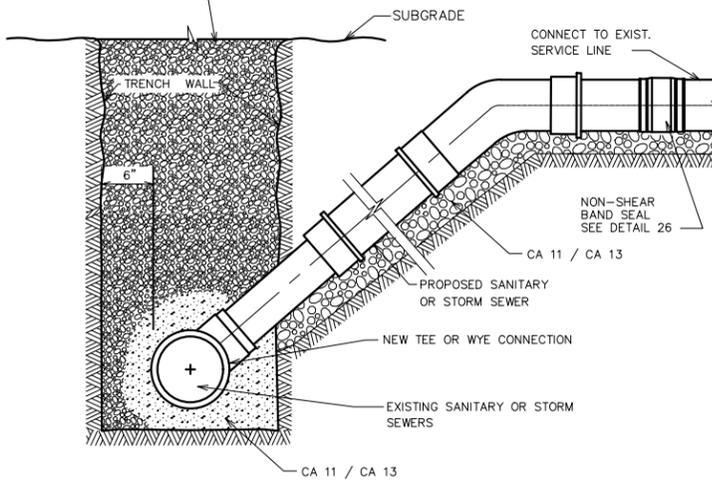
### UTILITY TRENCH DETAIL



**NOTES:**

- TRENCH BACKFILL SHALL CONSIST OF:
  - AGGREGATE CA-6 UNDER A PAVED SURFACE OR WITHIN THE ZONE OF INFLUENCE (3' FROM EDGE OF PAVEMENT)
  - NATIVE SOILS UNDER NON-PAVED SURFACES MORE THAN 3' FROM EDGE OF PAVEMENT. PLACE BACKFILL MATERIAL IN 9" (MAX) LIFTS AND COMPACT TO 90% OF MODIFIED PROCTOR DENSITY (ASTM D-1557)
  - FA-6 WITHIN THE COUNTY ROW
- ALL MATERIALS SHALL BE PROPERLY COMPACTED PER SPECIFICATIONS (INUNDATION OR WATER JETTING NOT ALLOWED).
- ALL TRENCH EXCAVATIONS SHALL MEET OSHA REQUIREMENTS.
- BEDDING MATERIAL FOR PVC PIPE INSTALLATION SHALL COMPLY WITH ASTM D-2321.
- IF APPROVED BY VILLAGE ENGINEERING, A ONE (1) INCH THICK STEEL PLATE SHALL BE PROVIDED AND MAINTAINED BY CONTRACTOR UNTIL THE SURFACE RESTORATION IS COMPLETE. THE PLATE SHALL BE PROTECTED FROM SLIDING AND PROVIDED WITH BITUMINOUS RAMPS IF REQUIRED BY VILLAGE ENGINEERING.
- PRIOR TO PLACEMENT OF PAVEMENT MATERIALS, THE EXISTING EXPOSED EDGES SHALL BE SAWCUT TO PROVIDE A SMOOTH CLEAN EDGE, FREE OF LOOSE MATERIAL.
- THE PLACEMENT OF PAVEMENTS SHALL NOT BE ALLOWED WITHOUT PRIOR INSPECTION BY VILLAGE ENGINEERING.
- IF THE ENGINEER DEEMS NECESSARY, CLSM MAY BE REQUIRED AT SOME LOCATIONS. CLSM WILL NOT BE PERMITTED WITHIN 3' OF EITHER SIDE OF WATER SERVICE OR OUTSIDE ROADWAY.

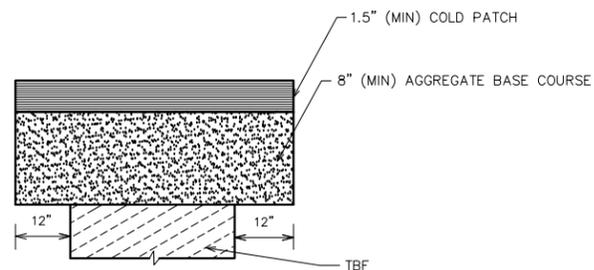
CA 6 CRUSHED AGGREGATE OR CLSM (AS NOTED ON PLANS) BACKFILL MATERIAL UNDER NEW PAVEMENT OR WITHIN THE ZONE OF INFLUENCE. USE EXCAVATED MATERIAL IN ALL OTHER AREAS. (SEE NOTE 6)



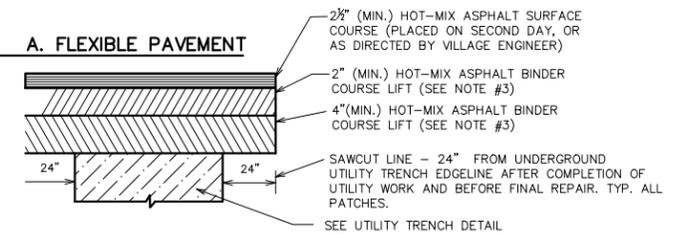
**NOTES:**

- FOR PROPOSED STORM SEWER SERVICE, REMOVE A SECTION OF PIPE AND INSTALL A TEE OR WYE CONNECTION.
- FOR TRENCHES WITHIN AN EXISTING PAVED SURFACE AREA, USE CA 11 AGGREGATE.
- ALL TRENCH EXCAVATIONS SHALL MEET OSHA REQUIREMENTS.

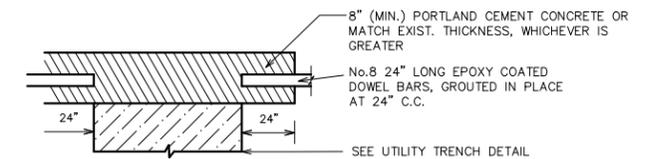
### TEMPORARY COLD PATCH



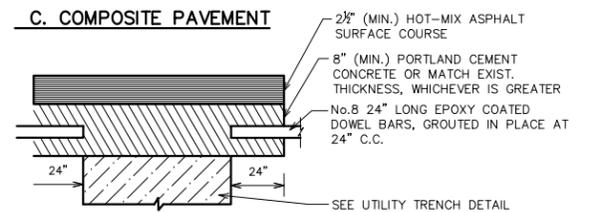
### A. FLEXIBLE PAVEMENT



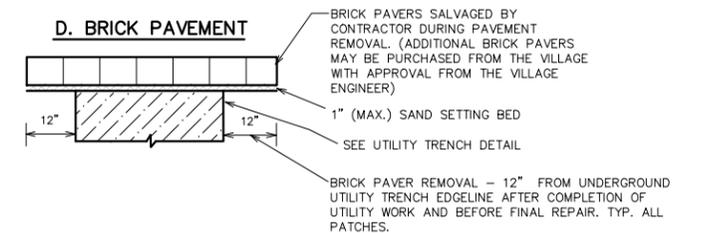
### B. RIGID PAVEMENT



### C. COMPOSITE PAVEMENT



### D. BRICK PAVEMENT



USER NAME = <b>hornd</b>	DESIGNED - DH	REVISED - -
PLOT SCALE = <b>N.T.S.</b>	DRAWN - ND	REVISED - -
PLOT DATE = <b>6/17/2020</b>	CHECKED - -	REVISED - -
	DATE - -	REVISED - -



COUNTY	TOTAL SHEETS	SHEET NO.
COOK	51	21
CONTRACT NO. 20067		WILMETTE, ILLINOIS