

VILLAGE OF LINCOLNWOOD

SPECIFICATIONS AND DETAIL GUIDE FOR PUBLIC IMPROVEMENTS

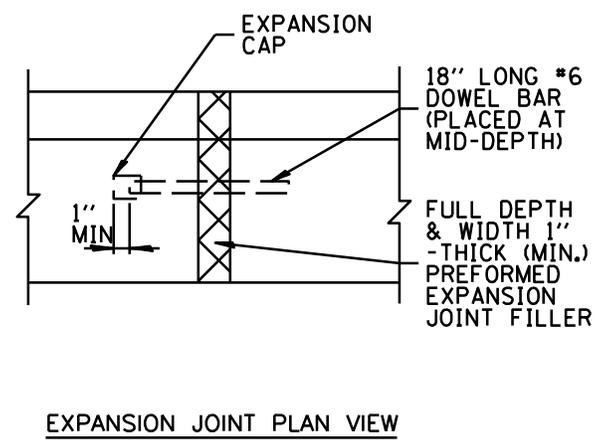
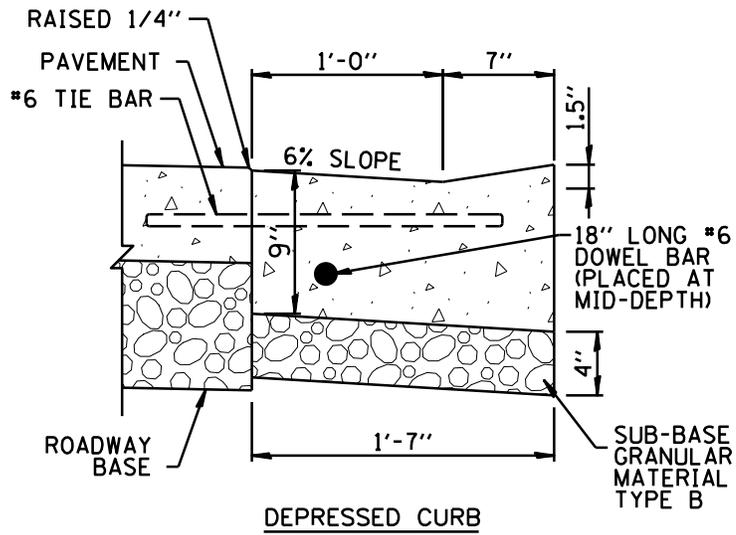
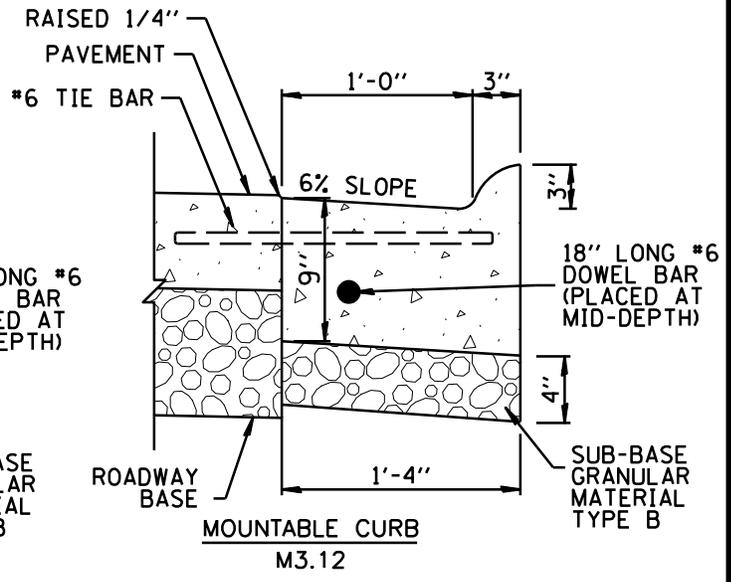
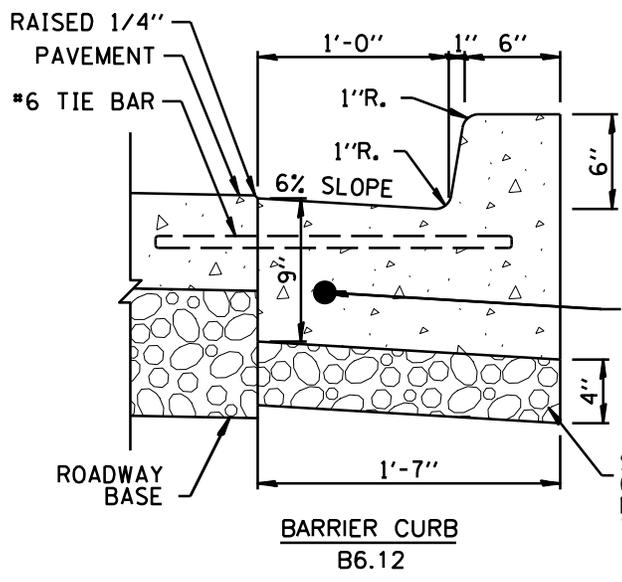


VILLAGE OF LINCOLNWOOD DEPARTMENT OF PUBLIC WORKS

FEBRUARY 12, 2026

Prepared by:

Christopher B. Burke Engineering Ltd.
9575 West Higgins Road, Suite 600
Rosemont, IL 60018
Telephone: 847-823-0500



NOTES:

1. EXPANSION JOINTS SHALL BE CONSTRUCTED WITH 1" BITUMINOUS FIBER.
2. CONSTRUCTION JOINTS SHALL BE SAWCUT TO A DEPTH OF 1/2" THICKNESS OF CURB EVERY 15'-0" (MAXIMUM).
3. CONCRETE SHALL BE IDOT CLASS SI 3500 PSI@ 14 DAYS, 3" SLUMP, 6% AIR ENTRAINED.
4. PROTECTIVE COAT SHALL BE APPLIED IN ACCORDANCE WITH IDOT STANDARD SPECIFICATION 420.18 AS DIRECTED BY THE VILLAGE.
5. DOWEL BARS MUST BE USED IN CONTRACTION JOINTS FOR MONOLITHIC CONSTRUCTION.
6. LONGITUDINAL JOINT TIE BARS SHALL BE NO. 6 AT 3'-0" CENTERS IN ACCORDANCE WITH DETAILS FOR LONGITUDINAL CONSTRUCTION JOINT SHOWN ON STANDARD 420001.
7. A MINIMUM CLEARANCE OF 2" BETWEEN THE END OF THE TIE BAR AND THE BACK OF THE CURB SHALL BE MAINTAINED.
8. TIE BARS ONLY REQUIRED FOR CONCRETE PAVEMENT OR BASE.
9. FOR CURB AND GUTTER REPLACEMENT, INSTALL A 2' WIDE PAVEMENT PATCH.

CLIENT:  **Village of Lincolnwood**
6900 N. Lincoln Ave.
Lincolnwood, IL 60712

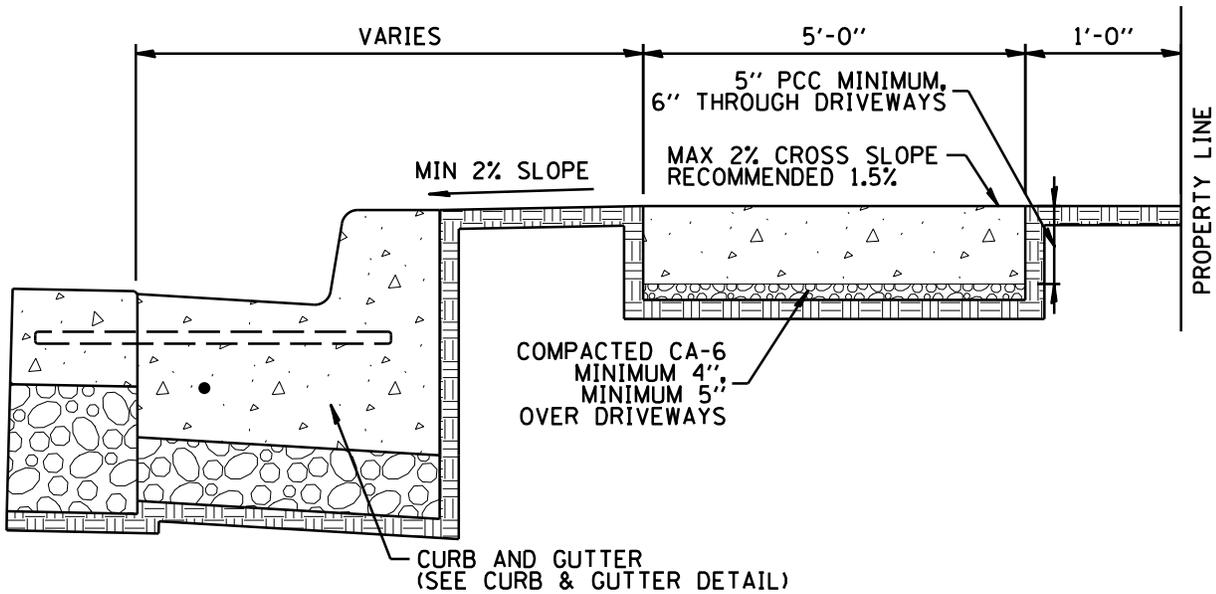
TITLE: **CURB AND GUTTER**

PROJ. NO. 140090.GEN
DATE: 2/12/2026
SHEET 2 OF 27
DRAWING NO.

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

DSGN.	DJD	SCALE:	N.T.S.
DWN.	REM	MODEL:	Default
CHKD.	JFA	PLOT DATE:	2/12/2026
FILE:	02_Curb and Gutter		

rmar-kham



NOTES:

1. THE CONCRETE SIDEWALK SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 424 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
2. THE CONCRETE SHALL CONFORM TO SECTION 1020 CLASS SI AND SHALL BE A HAVE A 3" SLUMP AND SHALL DEVELOP A MINIMUM OF 3,500 PSI COMPRESSIVE STRENGTH AT 14 DAYS.
3. SIDEWALK SHALL BE 5" THICK MIN., 6" MIN. THROUGH DRIVEWAYS. THE SIDEWALK PORTION OF THE DRIVEWAY SHALL MATCH THE DEPTH OF THE DRIVEWAY AND BE POURED SEPARATELY.
4. NO CHLORIDE ADDITIVE WILL BE PERMITTED IN THE CONCRETE.
5. ALL SIDEWALKS MUST CONFORM TO PROWAG.
6. TOOLED CONTROL JOINTS SHALL BE INSTALLED ON 5'-0" CENTERS.
7. FIBER EXPANSION JOINTS SHALL BE INSTALLED AT 50'-0" CENTERS MAX AND WHERE THE SIDEWALK ABUTS CURB OR EXISTING SIDEWALK, AND AT THE END OF EACH POUR.
8. THE SIDEWALK SHALL HAVE A BROOM FINISH.
9. A PROTECTIVE SURFACE TREATMENT CONSISTENT TO IDOT ARTICLE 420.18 SHALL BE APPLIED.
10. FOR CURB AND GUTTER REPLACEMENT, INSTALL A 2' WIDE PAVEMENT PATCH.

CLIENT:



Village of Lincolnwood

6900 N. Lincoln Ave.
Lincolnwood, IL 60712

TITLE:

SIDEWALK

PROJ. NO. 140090.GEN

DATE: 2/12/2026

SHEET 3 OF 27

DRAWING NO.

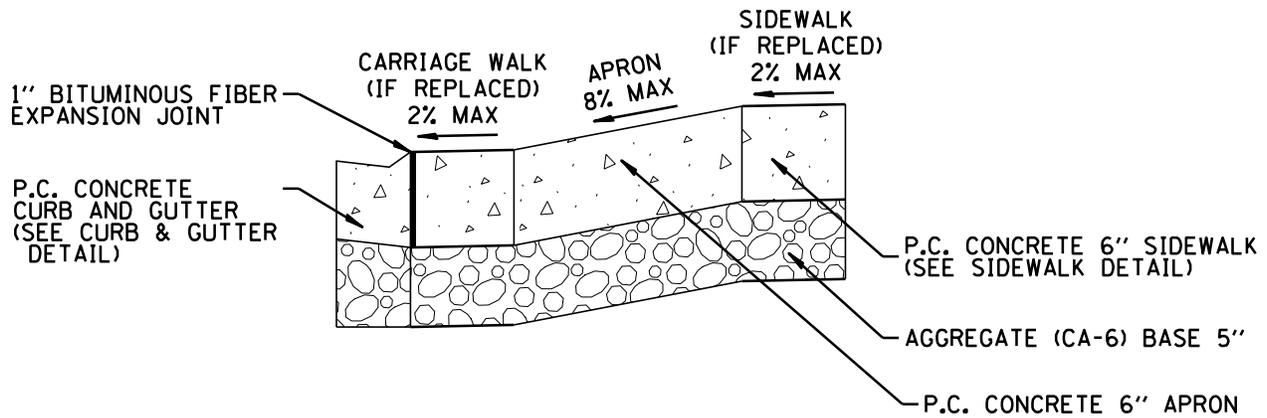
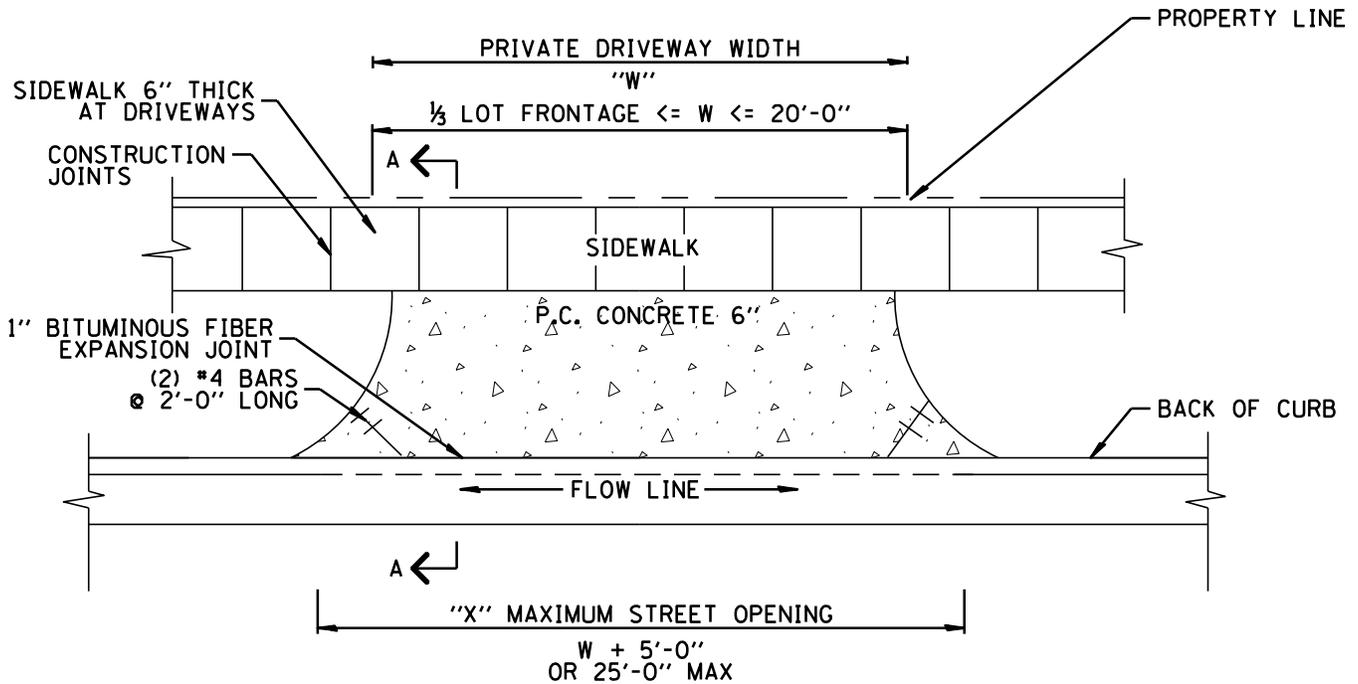
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DWN.	REM	MODEL:	Default
CHKD.	JFA	PLOT DATE:	2/12/2026
FILE:	03_Sidewalk		



SECTION A-A

NOTES:

1. PORTLAND CEMENT CONCRETE SHALL CONFORM TO IDOT CLASS SI, 3500 PSI @ 14 DAYS, SLUMP 3", AND 6% AIR ENTRAINMENT. NO WIRE MESH IN ROW.
2. CONSTRUCTION JOINTS SHALL BE PLACED IN A UNIFORM MANNER THAT ALLOWS NO SINGLE SLAB TO BE MORE THAN A 10' X 10' SECTION.
3. WHERE THE PROPOSED ENTRANCE IS FRONTED BY BARRIER CURB OR THERE IS A DESIRE TO CHANGE A PORTION OF THE EXISTING CURB AND GUTTER CROSS SECTION, THE HEAD OF THE CURB SHALL BE FULLY REMOVED AND REPLACED TO THE NEAREST EXPANSION JOINT BY SAWCUT.
4. A MINIMUM OF 5" OF CA-6, TYPE B MUST BE PLACED AND COMPACTED PRIOR TO CONCRETE PLACEMENT.
5. APRON IS TO BE PLACED SEPARATELY FROM SIDEWALK AND CURB.
6. MAXIMUM DRIVEWAY APPROACH OF 12'-0", OR THE LESSER OF 1/3 THE LOT FRONTAGE FOR CIRCULAR DRIVEWAYS.
7. FOR CURB AND GUTTER REPLACEMENT, INSTALL A 2' WIDE PAVEMENT PATCH.

CLIENT:



Village of Lincolnwood

6900 N. Lincoln Ave.
Lincolnwood, IL 60712

TITLE:

DRIVEWAY APRON

PROJ. NO. 140090.GEN

DATE: 2/12/2026

SHEET 4 OF 27

DRAWING NO.

4

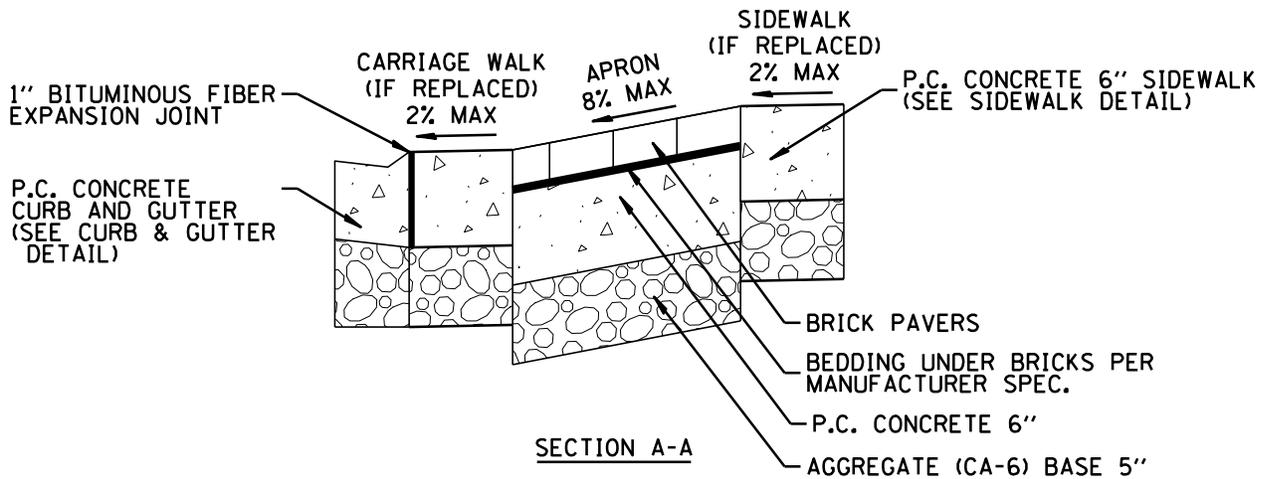
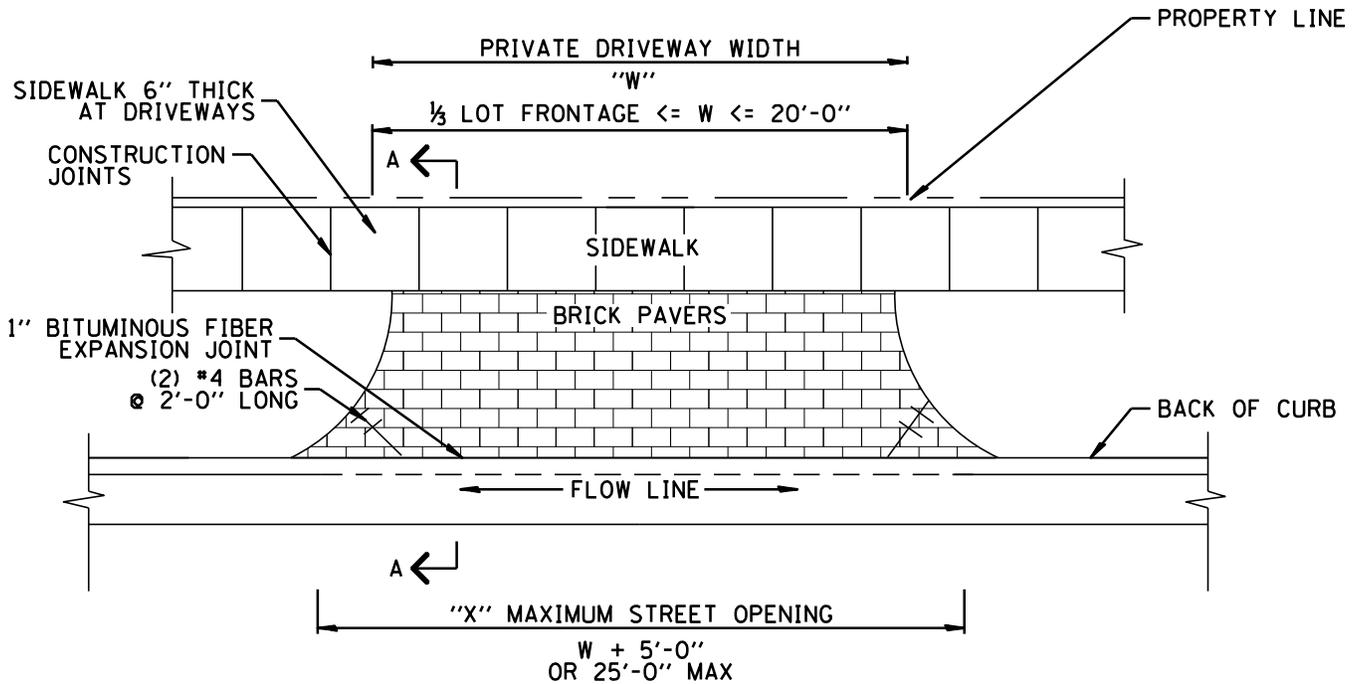


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DWN.	REM	MODEL:	Default
CHKD.	JFA	PLOT DATE:	2/12/2026
FILE:	04_C Commercial Apron		

rmarkham



NOTES:

1. PORTLAND CEMENT CONCRETE SHALL CONFORM TO IDOT CLASS SI, 3500 PSI @ 14 DAYS, SLUMP 3", AND 6% AIR ENTRAINMENT. NO WIRE MESH IN ROW.
2. CONSTRUCTION JOINTS SHALL BE PLACED IN A UNIFORM MANNER THAT ALLOWS NO SINGLE SLAB TO BE MORE THAN A 10' X 10' SECTION.
3. WHERE THE PROPOSED ENTRANCE IS FRONTED BY BARRIER CURB OR THERE IS A DESIRE TO CHANGE A PORTION OF THE EXISTING CURB AND GUTTER CROSS SECTION, THE HEAD OF THE CURB SHALL BE FULLY REMOVED AND REPLACED TO THE NEAREST EXPANSION JOINT BY SAWCUT.
4. A MINIMUM OF 5" OF CA-6, TYPE B MUST BE PLACED AND COMPACTED PRIOR TO CONCRETE PLACEMENT.
5. APRON IS TO BE PLACED SEPARATELY FROM SIDEWALK AND CURB.
6. MAXIMUM DRIVEWAY WIDTH APPROACH OF 12'-0", OR THE LESSER OF 1/3 THE LOT FRONTAGE FOR CIRCULAR DRIVEWAYS.
7. FOR CURB AND GUTTER REPLACEMENT, INSTALL A 2' WIDE PAVEMENT PATCH.

CLIENT:



Village of Lincolnwood

6900 N. Lincoln Ave.
Lincolnwood, IL 60712

TITLE:

PAVER DRIVEWAYS

PROJ. NO. 140090.GEN

DATE: 2/12/2026

SHEET 5 OF 27

DRAWING NO.

5

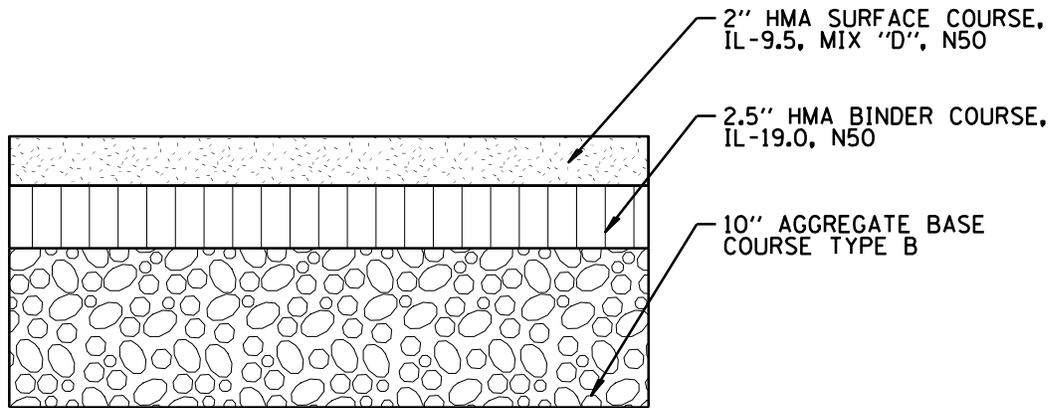


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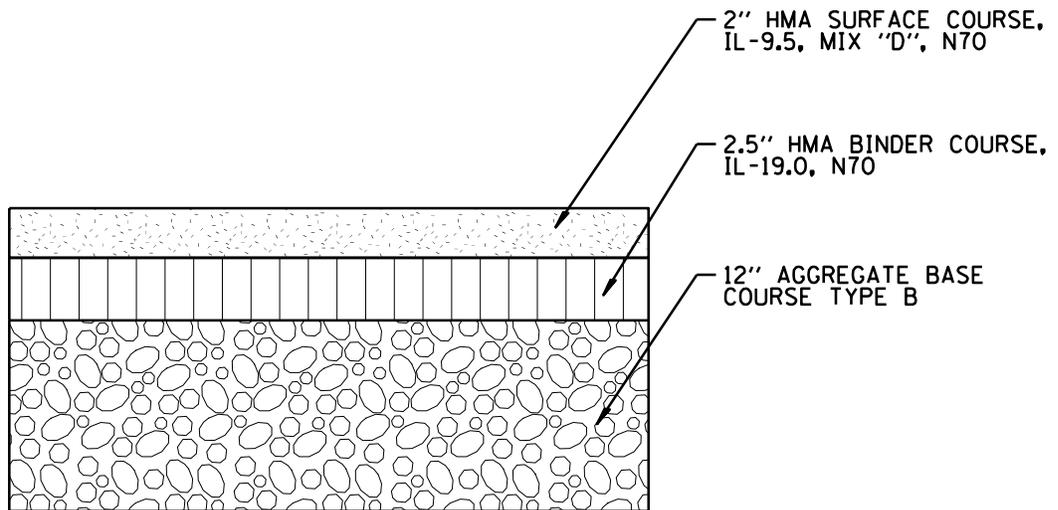
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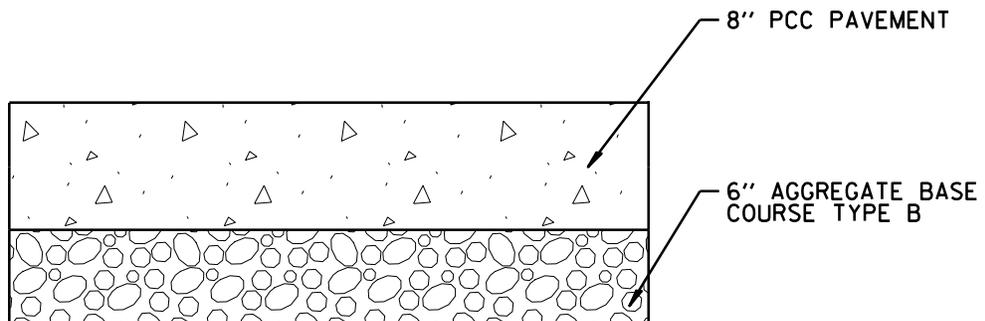
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TYPICAL LOT DESIGN



HEAVY DUTY/TRUCK TRAFFIC AREAS



LOADING DOCK AREA

CLIENT:



Village of Lincolnwood

6900 N. Lincoln Ave.
Lincolnwood, IL 60712

TITLE:

PARKING LOT PAVEMENT SECTIONS

PROJ. NO. 140090.GEN

DATE: 2/12/2026

SHEET 6 OF 27

DRAWING NO.

6

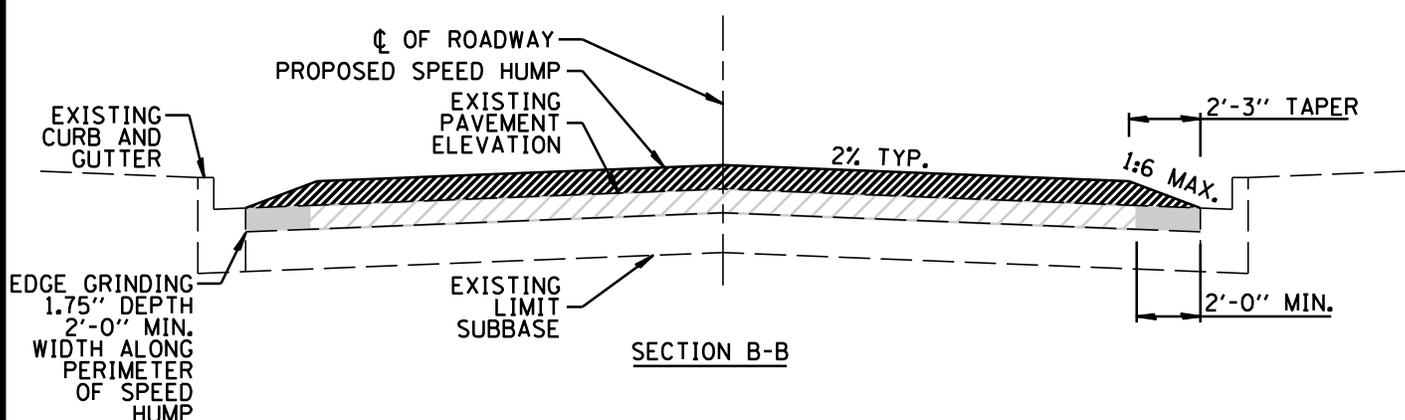
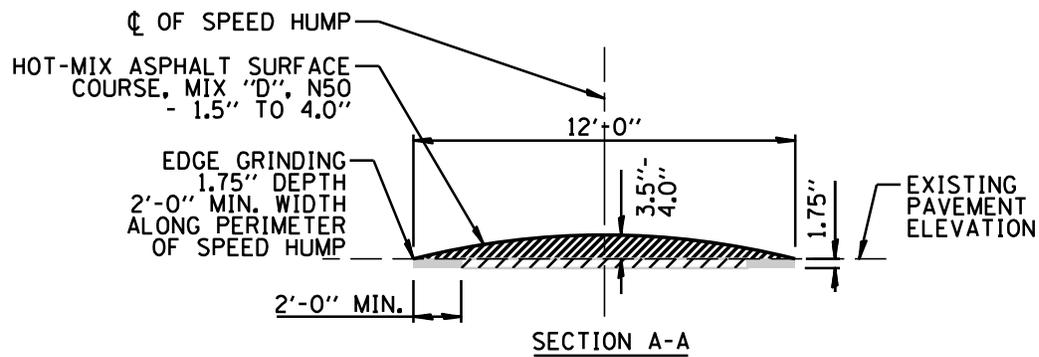
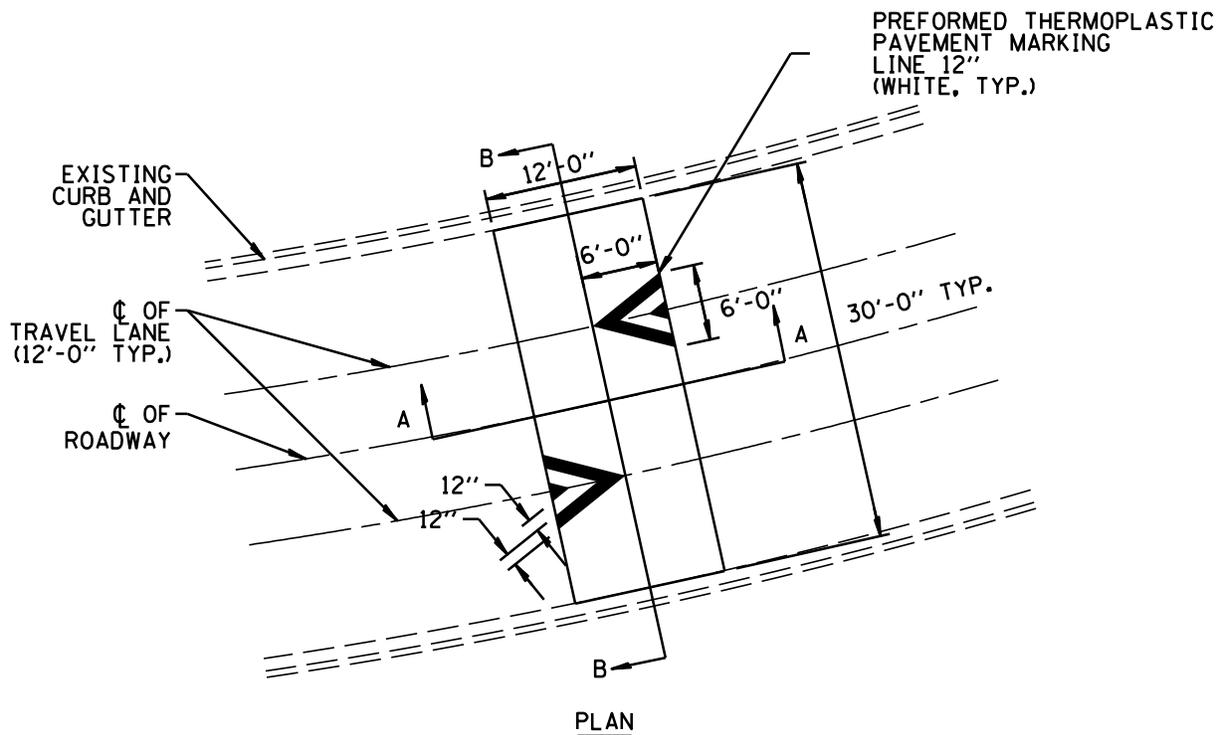


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CHKD.	JFA	PLOT DATE:	2/12/2026
FILE:	06_Parking Lot Pavement Sections		

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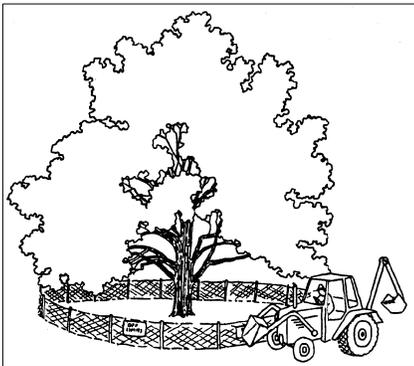
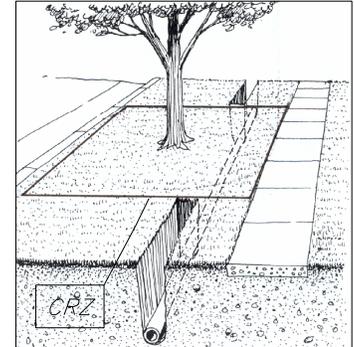


CLIENT:  Village of Lincolnwood 6900 N. Lincoln Ave. Lincolnwood, IL 60712	TITLE: SPEED HUMP	PROJ. NO. 140090.GEN																
		DATE: 2/12/2026																
CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 · Rosemont, Illinois 60018 · (847) 823-0500		SHEET 7 OF 27																
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CHKD.	JFA	PLOT DATE:	2/12/2026															
FILE:	07_Speed Hump																	

PARKWAY TREE PROTECTION SHALL INVOLVE AVOIDING DAMAGE TO BOTH THE ABOVE GROUND TREE TRUNK, INCLUDING THE BRANCHES, AND THE BELOW GROUND ROOT SYSTEM. ROOTS ARE THE MOST VITAL PART OF A TREE WITH THE MAJORITY OF NUTRIENT AND WATER ABSORBING ROOTS IN THE UPPER 18 TO 24 INCHES OF SOIL. TREE ROOTS MUST BE PROTECTED FROM SEVERING OR CHANGES IN THEIR SOIL ENVIRONMENT (SUCH AS COMPACTION OR GRADE CHANGES) TO PREVENT IRREVERSIBLE TREE DECLINE OR DEATH IN THE COMING YEARS.

THE CRITICAL ROOT ZONE, OR CRZ, IS THE AREA IMMEDIATELY SURROUNDING A TREE THAT NEEDS TO BE PROTECTED FROM DAMAGE. THE SIZE OF THIS AREA, MEASURED FROM THE CENTER OF THE TREE, IS IDEALLY A CIRCLE WITH A RADIUS OF ONE FOOT FOR EACH INCH OF TRUNK DIAMETER. THE DEPTH OF THE CRZ EXTENDS TO 4 FEET BELOW THE NATURAL GROUND SURFACE LEVEL. IN A MUNICIPAL PARKWAY SETTING WITH UTILITIES AND PAVED OR CONCRETE SURFACES, THE CRZ CANNOT ALWAYS BE THE IDEAL SIZE. INSTEAD, THE CRZ HAS BEEN ADJUSTED TO FORM A RECTANGLE AROUND THE PARKWAY TREE TRUNK WITH THE MINIMUM DIMENSIONS LISTED IN THE FOLLOWING TABLE. AT A MINIMUM, THE LISTED CRZ SHALL BE FENCED WITH A 4 FOOT HIGH TEMPORARY PLASTIC CONSTRUCTION FENCE SECURED TO METAL POSTS SPACED NO FURTHER THAN 10 FEET APART. WHENEVER POSSIBLE, THE ENTIRE PARKWAY SHALL BE FENCED IN EXCEPT WHERE ACCESS HAS BEEN PERMITTED. ANY EXCEPTIONS SHALL BE NOTED ON THE DRAWINGS SUBMITTED FOR A GIVEN PERMIT.

<u>PARKWAY TREE DIAMETER AT 4.5'</u>	<u>WIDTH FROM STREET TO PROPERTY (MINIMUM CURB TO SIDEWALK)</u>	<u>LENGTH ALONG STREET (MINIMUM)</u>	<u>DEPTH</u>
0-12.0 INCHES	10.0 FEET	10 FEET	4 FEET
12.1-24.0 INCHES	10.0 FEET	20 FEET	4 FEET
24.1 OR MORE INCHES	10.0 FEET	30 FEET	4 FEET



FOR PUBLIC PARKWAY TREES, ROOTS LOCATED WITHIN THE DETERMINED CRZ SHALL BE PROTECTED FROM COMPACTION, SEVERING, AND THE STORAGE OF MATERIALS OR EQUIPMENT. UTILITIES MUST BE AUGERED UNDERNEATH THE TREE AS SHOWN ABOVE. IN CASES WHEN SEVERING OF ROOTS WITHIN A PORTION OF THE CRZ MAY BE UNAVOIDABLE (EX. SIDEWALK INSTALLATION, CURB REPLACEMENT, WATER MAIN OR SANITARY MAIN DISCONNECTS IN THE PARKWAY), SUBJECT TO THE APPROVAL OF THE VILLAGE FORESTER, THE SMALLEST POSSIBLE AREA SHALL BE DISTURBED AND SHARP CLEAN CUTS SHALL BE MADE ON ROOT ENDS TO PROMOTE WOUND CLOSURE AND ROOT REGENERATION. ALL CRZ FENCING SHALL BE A 4 FOOT HIGH TEMPORARY PLASTIC CONSTRUCTION FENCE SECURED TO METAL POSTS SPACED NO FURTHER THAN 10 FEET APART, AND SHALL BE MAINTAINED DAILY IN GOOD CONDITION. ANY EXCEPTIONS TO THE FENCE DIMENSIONS OR PARKWAY POSITION SHALL BE NOTED ON THE PERMIT.

VIOLATORS MAY BE SUBJECT TO THE FOLLOWING PROVISIONS:

- ISSUANCE OF AN INVOICE FOR THE MONETARY LOSS IN TREE VALUE OR PARTIAL VALUE DUE TO DAMAGE TO EITHER THE ABOVE GROUND OR BELOW GROUND PORTIONS OF THE PARKWAY TREE, OR UNAUTHORIZED TREE REMOVAL.
- FORFEITURE OF BONDS ISSUED FOR THE WORK SHOULD FUNDS BE SUFFICIENT TO COVER TREE VALUES AND FINES.
- COSTS OF REPAIRS, SUCH AS PRUNING OR CABLING, OR COSTS FOR REMOVAL OF THE DAMAGED PARKWAY TREE ALONG WITH THE STUMP IF THE TREE CANNOT REMAIN IN THE RIGHT-OF-WAY.
- FINES OF \$500 FOR THE 1ST OFFENSE; \$1,000 FOR THE 2ND OFFENSE; \$2,500 FOR 3RD AND SUBSEQUENT OFFENSES.
- EACH DAY DURING WHICH A VIOLATION CONTINUES SHALL BE CONSTRUED AS A SEPARATE AND DISTINCT OFFENSE. FOR MORE INFORMATION, CONTACT THE DEPARTMENT OF PUBLIC WORKS AT 847-675-0888

CLIENT:



Village of Lincolnwood

6900 N. Lincoln Ave.
Lincolnwood, IL 60712

TITLE:

PARKWAY TREE REQUIREMENTS

PROJ. NO. 140090.GEN

DATE: 2/12/2026

SHEET 8 OF 27

DRAWING NO.

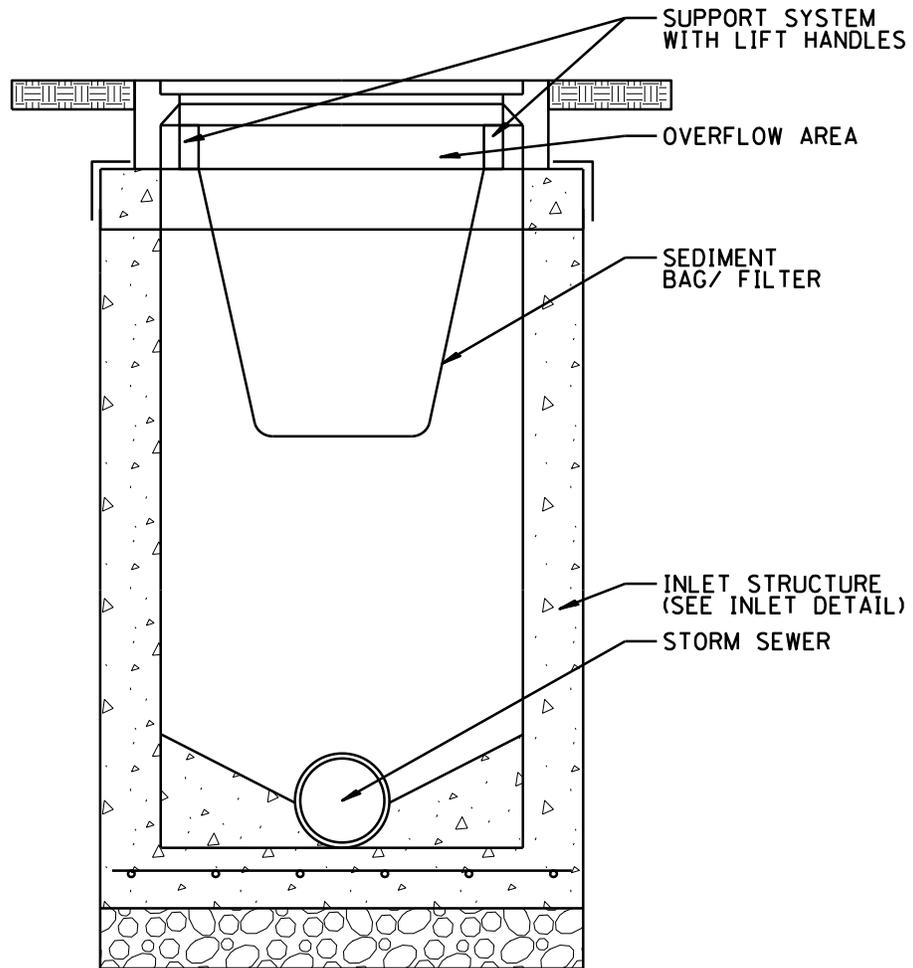
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DWN.	REM	MODEL:	Default
CHKD.	JFA	PLOT DATE:	2/12/2026
FILE:	08_Tree Protection		



NOTES:

1. SEE VILLAGE OF LINCOLNWOOD APPROVED PRODUCTS LIST FOR MANUFACTURER AND MODEL NUMBERS.

CLIENT:



Village of Lincolnwood

6900 N. Lincoln Ave.
Lincolnwood, IL 60712

TITLE:

**INLET FILTER
PROTECTION**

PROJ. NO. 140090.GEN

DATE: 2/12/2026

SHEET 9 OF 27

DRAWING NO.

9

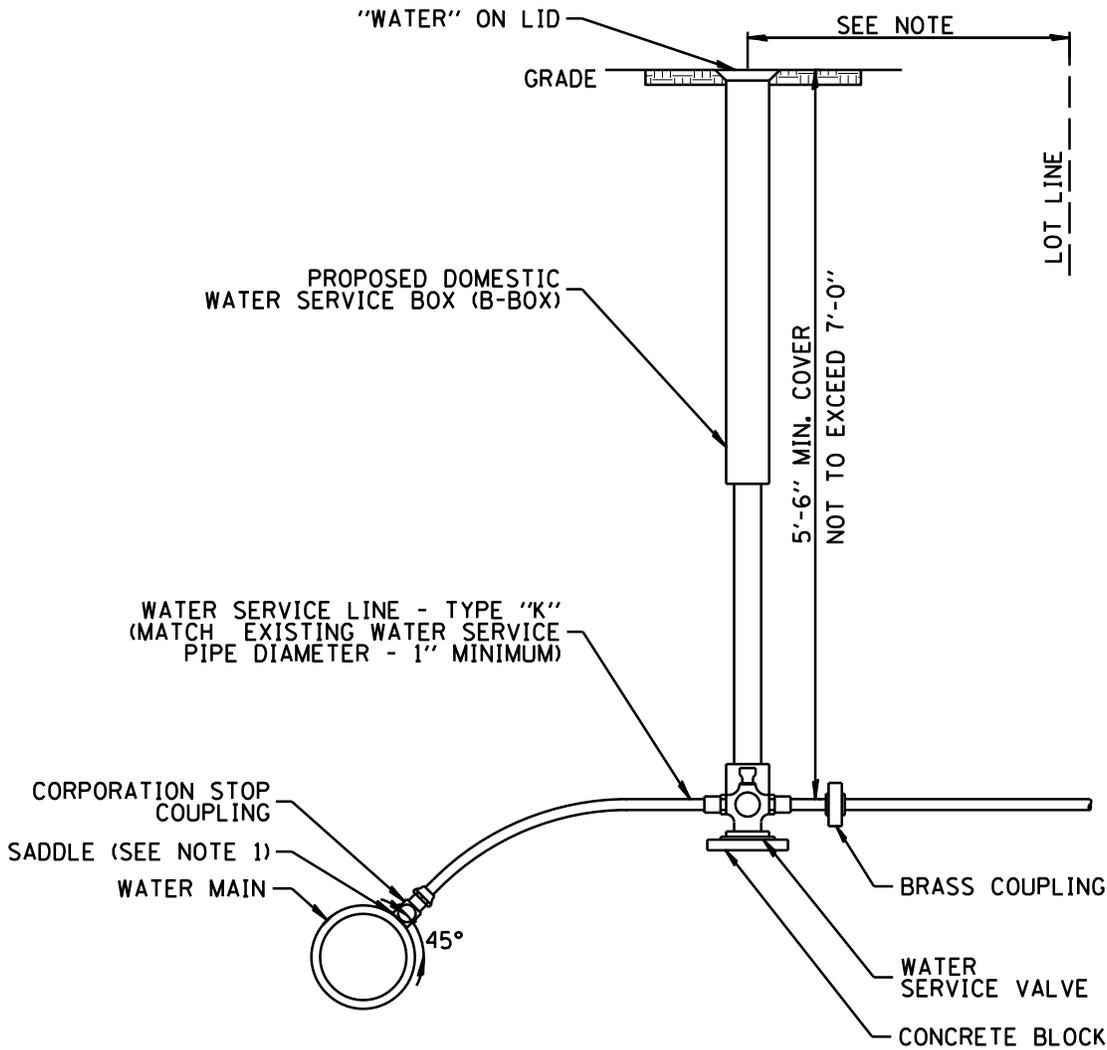


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DWN.	REM	MODEL:	Default
CHKD.	JFA	PLOT DATE:	2/12/2026
FILE:	09_Inlet Filter Protection		

rmar-kham



NOTES:

1. ALL TAPS (2" AND BELOW) ON DUCTILE IRON PIPE SHALL BE DONE USING THE TAPPING SADDLE METHOD INTO A PRESSURIZED MAIN. ALL WATER SERVICE CONNECTIONS REQUIRE A SERVICE SADDLE.
2. WHERE STORM LINES ARE BETWEEN B-BOX AND HOUSE AND SHALLOWER THAN WATER SERVICE A SDR 26 PVC PIPE SHALL BE INSTALLED UNDER STORM LINE.
3. IF CURB BOX IS INSTALLED IN PAVEMENT AREAS USE TRAFFIC RATED (B-BOX COVER).
4. SEE APPROVED VILLAGE OF LINCOLNWOOD PRODUCTS LIST FOR MANUFACTURER AND MODEL NUMBERS.
5. LOCATION OF B-BOX IS TO FOLLOW THE PLAN & PROFILE ENGINEERING PRINT.
6. CORPORATION STOPS SHALL BE COMPRESSION FOR CORP STOPS AND CURB STOPS.
7. CURB STOPS SHALL BE FLARED WITH A BALL VALVE.
8. SERVICE TAPS SHALL BE MADE NO CLOSER THAN 1'-4" FROM OTHER CONNECTIONS, BELLS, OR FITTINGS.
9. SHALL INCLUDE ALL FITTINGS, LABOR, MATERIAL AND EQUIPMENT NECESSARY TO CONNECT EXISTING SERVICES TO THE PROPOSED WATERMAIN. SEE SPECIAL PROVISIONS.
10. B-BOX SHALL BE LOCATED AS CLOSE TO THE PROPERTY LINE AS POSSIBLE, AT LEAST 3' FROM SIDEWALKS, AND SHALL NOT BE IN HARDSCAPE.
11. ALL EXCAVATIONS MUST BE BACK FILLED WITH EARTH MATERIAL AROUND SERVICES IN PARKWAYS AND CA-7 WITHIN HARDSCAPED AREAS AND 2' FROM BACK OF CURB.
12. COMPACTION SHALL BE PERFORMED IN 6 INCH LIFTS IF PERFORMED WITH A MEDIUM (180-280LB) COMPACTOR. IF USING JETTING, ONLY CA-7 MAY BE JETTED.
13. OLD WATER METER SHALL BE RETURNED TO THE WATER DIVISION.
14. WHEN THE NEW WATER METER IS INSTALLED, THE WATER DIVISION MUST BE NOTIFIED SO THE METER TRANSMISSION UNIT CAN BE INSTALLED AND PROGRAMMED.

CLIENT:



Village of Lincolnwood

6900 N. Lincoln Ave.
Lincolnwood, IL 60712

TITLE:

DOMESTIC WATER SERVICE

PROJ. NO. 140090.GEN

DATE: 2/12/2026

SHEET 10 OF 27

DRAWING NO.

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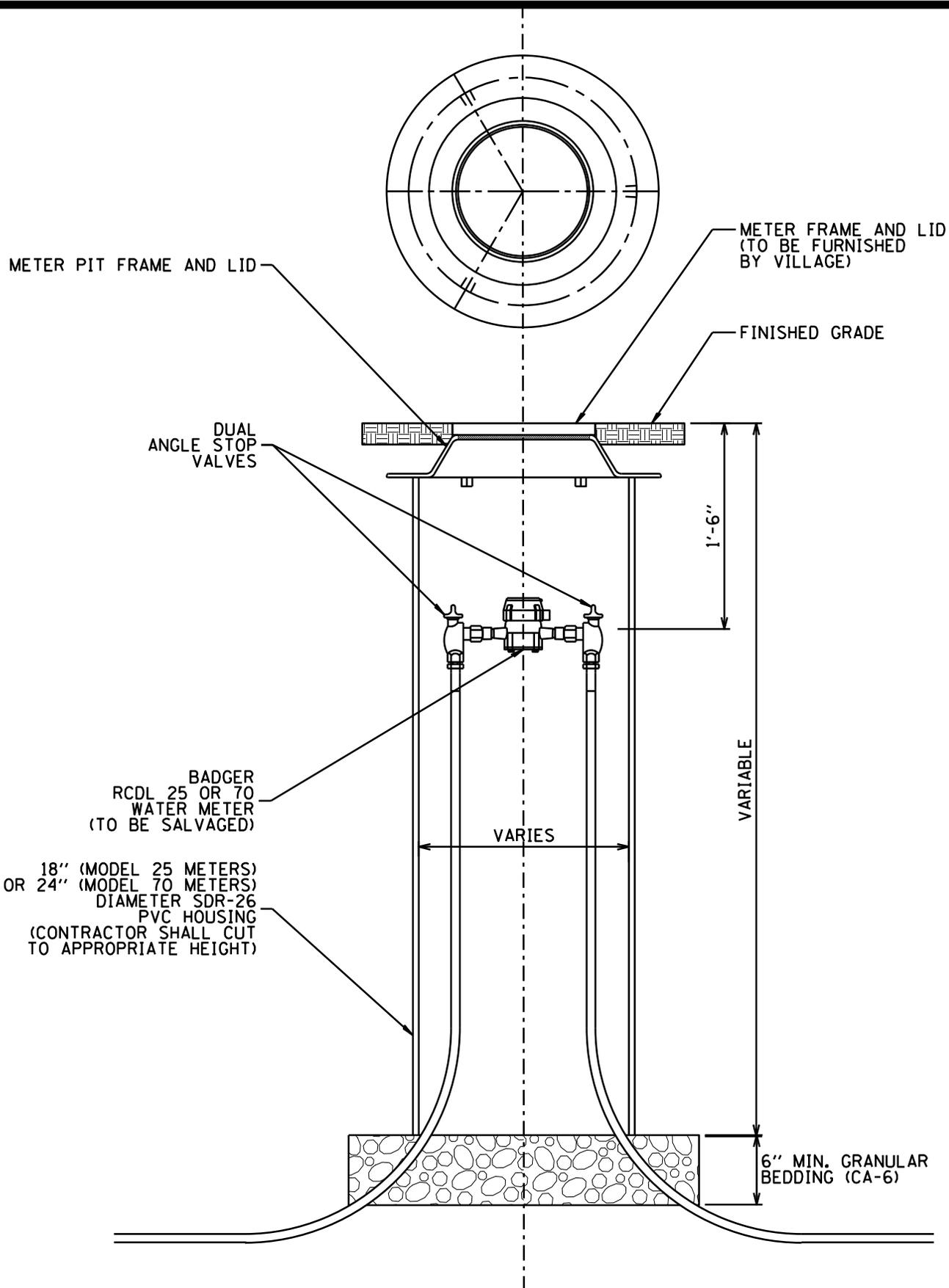


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DWN.	REM	MODEL:	Default
CHKD.	JFA	PLOT DATE:	2/12/2026
FILE:	10_Domestic Water service		

rmarkham



CLIENT:



Village of Lincolnwood

6900 N. Lincoln Ave.
Lincolnwood, IL 60712

TITLE:

WATER METER PIT - RESIDENTIAL

PROJ. NO. 140090.GEN

DATE: 2/12/2026

SHEET 11 OF 27

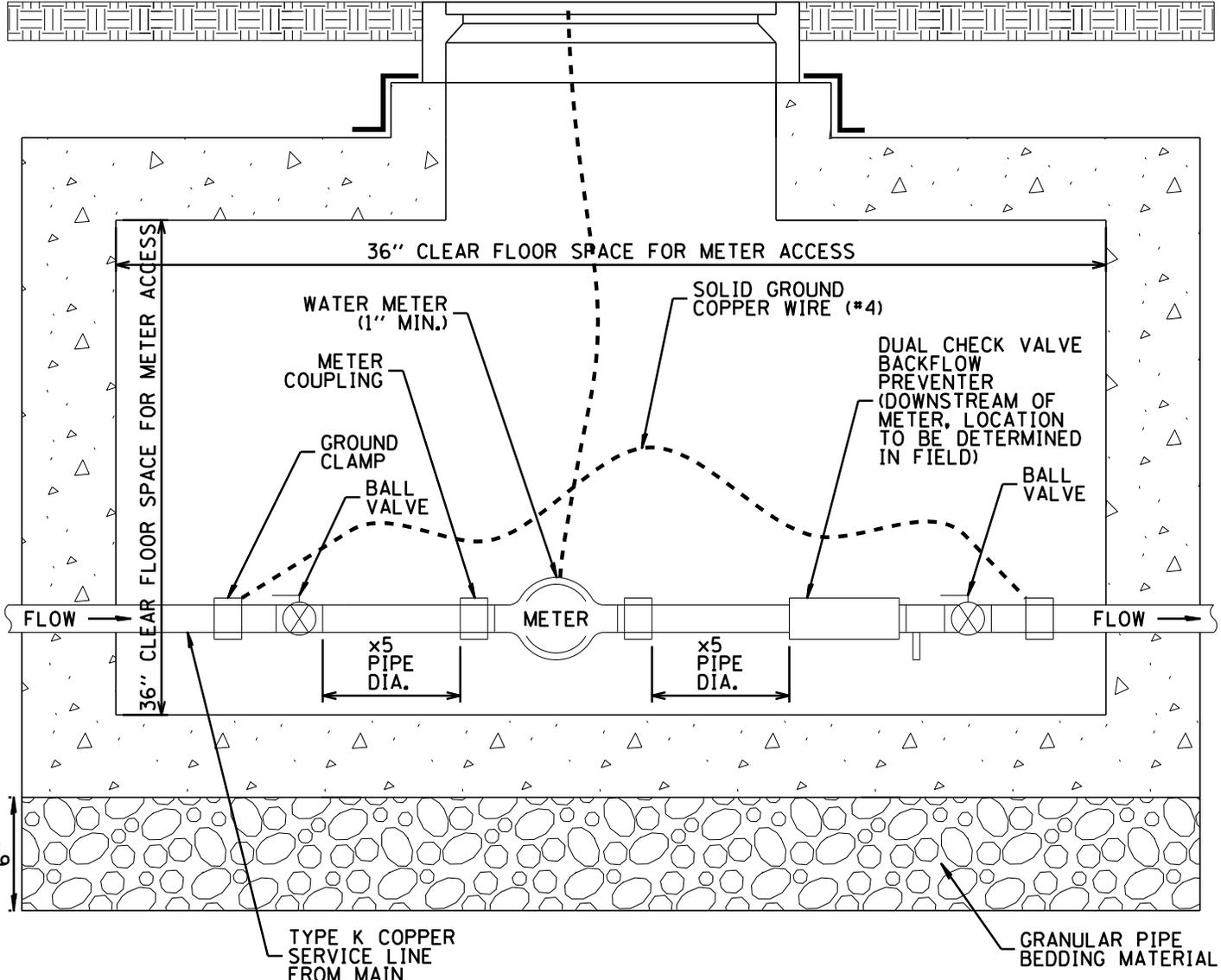
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DSGN.	DJD	SCALE:	N.T.S.
DWN.	REM	MODEL:	Default
CHKD.	JFA	PLOT DATE:	2/12/2026
FILE:	11. Water Meter Residential		



NOTES:

1. CENTER LINE OF PIPE AT METER TO BE 18" TO 48" ABOVE FLOOR.
2. AMR CONDUIT TO BE 48" ABOVE GROUND LEVEL. LEAVE MINIMUM OF 12" WIRE OUTSIDE HOLE.
3. EXPANSION TANK REQUIRED AFTER DUAL CHECK VALVE BETWEEN SHUT OFF VALVE TO HOT WATER HEATER AND HOT WATER HEATER.
4. A MAXIMUM OF TWO (2) ADJUSTMENT RINGS FOR A MAXIMUM ADJUSTMENT OF 8" IS ALLOWED. THE TOP ADJUSTMENT RING SHALL BE MADE OF RECYCLED RUBBER WHEN THE STRUCTURE IS INSTALLED IN A PAVED TRAFFIC AREA.
5. FOR NEW CONSTRUCTION, METER COUPLING, DUAL CHECK, AND AMR WIRE PURCHASED FROM VILLAGE.
6. PLUMBER TO INSTALL COPPER PIPING THROUGH ENTIRE METER/VALVE AREA BEFORE CUTTING OUT SECTION FOR METER AND CHECK VALVE.
7. TO BE USED FOR NEW CONSTRUCTION OR AS INSTRUCTED.
8. METER INSTALLATION SHALL COMPLY WITH METER MANUFACTURER SPECIFICATIONS.
9. PLUMBING MUST COMPLY WITH THE ILLINOIS PLUMBING CODE.
10. SEE VILLAGE OF LINCOLNWOOD APPROVED PRODUCTS LIST FOR MANUFACTURER AND MODEL NUMBERS.

CLIENT:



Village of Lincolnwood

6900 N. Lincoln Ave.
Lincolnwood, IL 60712

TITLE:

WATER METER PIT - COMMERCIAL

PROJ. NO. 140090.GEN

DATE: 2/12/2026

SHEET 12 OF 27

DRAWING NO.

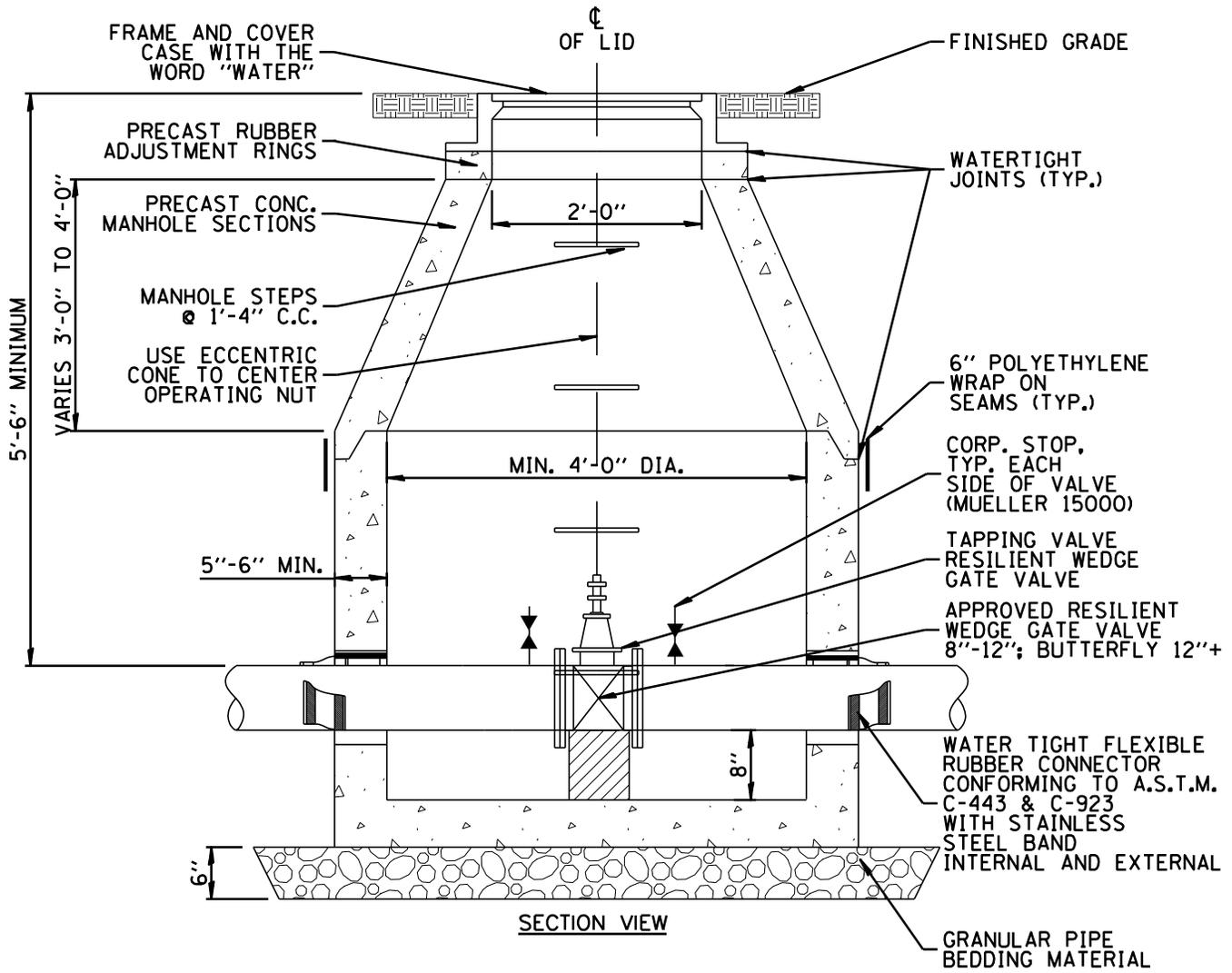
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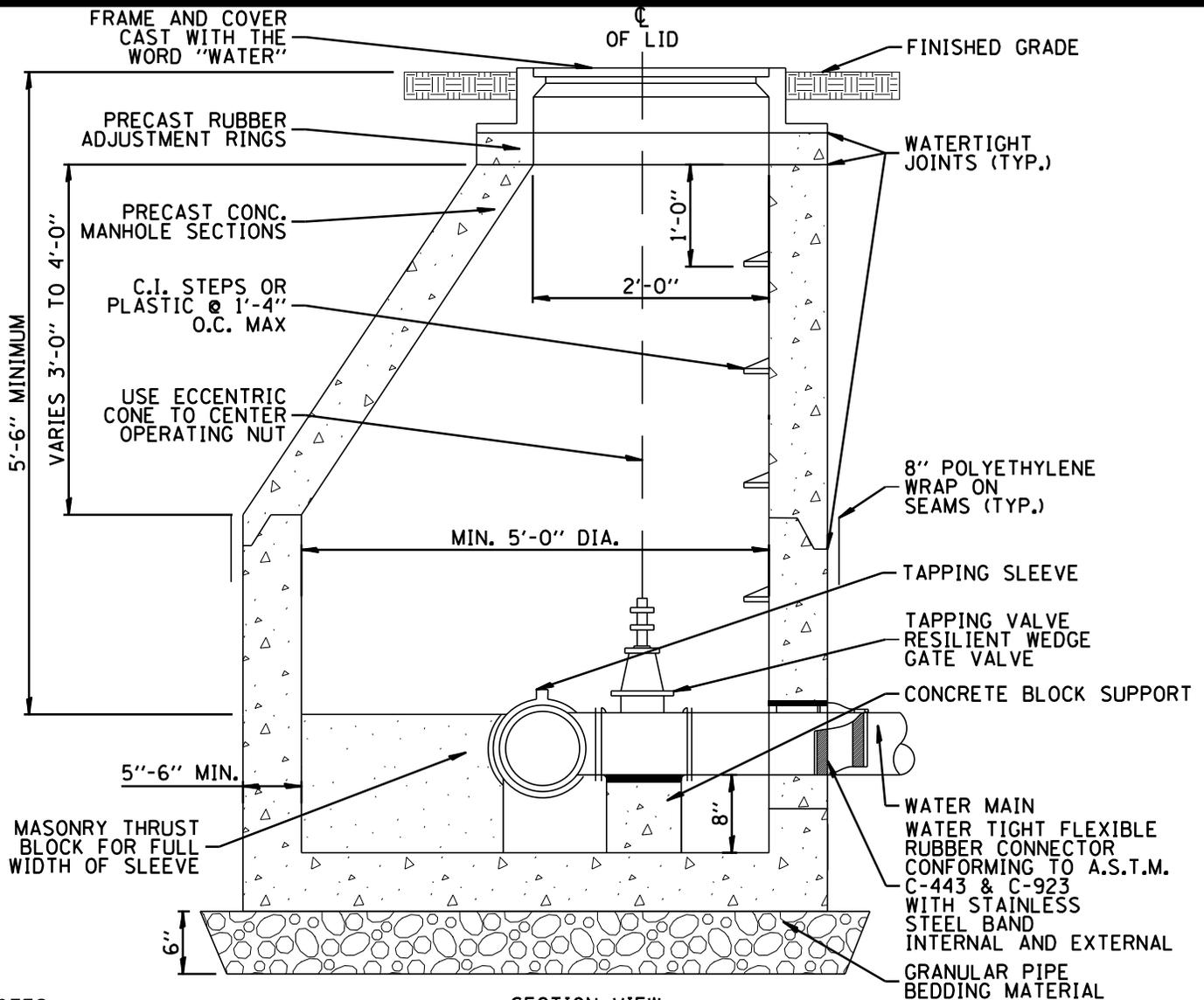
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DWN.	REM	MODEL:	Default
CHKD.	JFA	PLOT DATE:	2/12/2026
FILE:	12. Water Meter Commercial		



NOTES:

1. ALL VALVES MUST BE ENCLOSED IN A VAULT UNLESS OTHERWISE SPECIFIED.
2. STRUCTURE SHALL BE PRECAST REINFORCED CONCRETE WITH MINIMUM WALL THICKNESS OF 5" FOR 4'-0" INSIDE DIAMETER AND 6" FOR 5'-0" INSIDE DIAMETER STRUCTURES.
3. STRUCTURE SHALL BE 4'-0" INSIDE DIAMETER FOR 8" VALVES AND LESS. STRUCTURE SHALL BE 5'-0" INSIDE DIAMETER FOR 10" VALVES AND LARGER.
4. A MAXIMUM OF TWO (2) ADJUSTMENT RINGS FOR A MAXIMUM ADJUSTMENT OF 8" IS ALLOWED. THE TOP ADJUSTMENT RING SHALL BE MADE OF RECYCLED RUBBER WHEN THE STRUCTURE IS INSTALLED IN A PAVED TRAFFIC AREA.
5. STRUCTURE BOTTOMS SHALL BE PRECAST REINFORCED CONCRETE WITH FIRST VERTICAL SECTION PRECAST INTEGRALLY WITH IT.
6. ALL EXTERIOR SURFACES OF STRUCTURE SHALL HAVE A FACTORY APPLIED BITUMINOUS COATING.
7. ALL JOINTS BETWEEN PRECAST ELEMENTS, ADJUSTING RINGS, AND MANHOLE FRAMES SHALL BE SET IN PLACE WITH A BUTYL RUBBER JOINT SEALANT. BARREL SECTIONS SHALL BE SEALED USING EITHER A BUTYL RUBBER JOINT SEALANT OR A RUBBER GASKET. A 9" WIDE POLYETHYLENE EXTERNAL SEAL SHALL BE APPLIED TO ALL STRUCTURE JOINTS.
8. OPERATING NUT OF VALVE MUST BE CENTERED ON A PLUMB LINE EXTENDED FROM CENTER OF FRAME OPENING.
9. EXTERNAL CHIMNEY SEALS SHALL BE INSTALLED WHICH SHALL CAPTURE AT LEAST 4" OF THE STRUCTURE FRAME, ALL OF THE ADJUSTING RINGS, AND 4" OF THE UPPER CONE SECTION.
10. STRUCTURE LID SHALL HAVE A TWO, 1" CONCEALED PICKHOLES.
11. PIPE PENETRATIONS SHALL BE MADE WITH THE USE OF PRECAST OPENINGS AND FLEXIBLE RUBBER CONNECTORS.
12. SEE VILLAGE OF LINCOLNWOOD APPROVED PRODUCTS LIST FOR MANUFACTURER AND MODEL NUMBERS.
13. ALL ADJUSTMENT RINGS 1" AND SMALLER SHALL BE RUBBER MANHOLE ADJUSTMENT RINGS. PRECAST FOR RINGS 1" OR LESS IS PROHIBITED.

<p>CLIENT: Village of Lincolnwood 6900 N. Lincoln Ave. Lincolnwood, IL 60712</p>	<p>TITLE: VALVE AND VAULT</p>	<p>PROJ. NO. 140090.GEN DATE: 2/12/2026 SHEET 13 OF 27 DRAWING NO.</p>																
<p> CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 · Rosemont, Illinois 60018 · (847) 823-0500</p>		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>DSGN.</td> <td>DJD</td> <td>SCALE:</td> <td>N.T.S.</td> </tr> <tr> <td>DWN.</td> <td>REM</td> <td>MODEL:</td> <td>Default</td> </tr> <tr> <td>CHKD.</td> <td>JFA</td> <td>PLOT DATE:</td> <td>2/12/2026</td> </tr> <tr> <td>FILE:</td> <td colspan="3">13_Valve Vault</td> </tr> </table>	DSGN.	DJD	SCALE:	N.T.S.	DWN.	REM	MODEL:	Default	CHKD.	JFA	PLOT DATE:	2/12/2026	FILE:	13_Valve Vault		
DSGN.	DJD	SCALE:	N.T.S.															
DWN.	REM	MODEL:	Default															
CHKD.	JFA	PLOT DATE:	2/12/2026															
FILE:	13_Valve Vault																	



NOTES:

SECTION VIEW

1. ALL VALVES MUST BE ENCLOSED IN A VAULT UNLESS OTHERWISE SPECIFIED.
2. STRUCTURE SHALL BE PRECAST REINFORCED CONCRETE WITH MINIMUM WALL THICKNESS OF 5" FOR 4'-0" INSIDE DIAMETER AND 6" FOR 5'-0" INSIDE DIAMETER STRUCTURES.
3. STRUCTURE SHALL BE 4'-0" INSIDE DIAMETER FOR 8" VALVES AND LESS. STRUCTURE SHALL BE 5'-0" INSIDE DIAMETER FOR 10" VALVES AND LARGER.
4. A MAXIMUM OF TWO (2) ADJUSTMENT RINGS FOR A MAXIMUM ADJUSTMENT OF 8" IS ALLOWED. THE TOP ADJUSTMENT RING SHALL BE MADE OF RECYCLED RUBBER WHEN THE STRUCTURE IS INSTALLED IN A PAVED TRAFFIC AREA.
5. STRUCTURE BOTTOMS SHALL BE PRECAST REINFORCED CONCRETE WITH FIRST VERTICAL SECTION PRECAST INTEGRALLY WITH IT.
6. ALL EXTERIOR SURFACES OF STRUCTURE SHALL HAVE A FACTORY APPLIED BITUMINOUS COAT.
7. ALL JOINTS BETWEEN PRECAST ELEMENTS, ADJUSTING RINGS, AND MANHOLE FRAMES SHALL BE SET IN PLACE WITH A BUTYL RUBBER JOINT SEALANT. BARREL SECTIONS SHALL BE SEALED USING EITHER A BUTYL RUBBER JOINT SEALANT OR A RUBBER GASKET. A 9" WIDE POLYETHYLENE EXTERNAL SEAL SHALL BE APPLIED TO ALL STRUCTURE.
8. OPERATING NUT OF VALVE MUST BE CENTERED ON A PLUMB LINE EXTENDED FROM CENTER OF FRAME OPENING.
9. STRUCTURE IS INSTALLED IN A PAVED TRAFFIC AREA. STRUCTURE FRAME, ALL OF THE ADJUSTING RINGS, AND 4" OF THE UPPER CONE SECTION.
10. STRUCTURE LID SHALL HAVE A TWO, 1" CONCEALED PICKHOLES.
11. PIPE PENETRATIONS SHALL BE MADE WITH THE USE OF PRECAST OPENINGS AND FLEXIBLE RUBBER CONNECTORS.
12. SEE VILLAGE OF LINCOLNWOOD APPROVED PRODUCTS LIST FOR MANUFACTURER AND MODEL NUMBERS.
13. FOR WATER MAINS 16 INCHES IN DIAMETER OR LARGER, GATE VALVES ARE NOT PERMITTED; BUTTERFLY VALVES MUST BE USED INSTEAD.
14. ALL ADJUSTMENT RINGS 1" AND SMALLER SHALL BE RUBBER MANHOLE ADJUSTMENT RINGS. PRECAST FOR RINGS 1" OR LESS IS PROHIBITED.

CLIENTS:



Village of Lincolnwood

6900 N. Lincoln Ave.
Lincolnwood, IL 60712

TITLE:

PRESSURE CONNECTION AND VAULT

PROJ. NO. 140090.GEN

DATE: 2/12/2026

SHEET 14 OF 27

DRAWING NO.

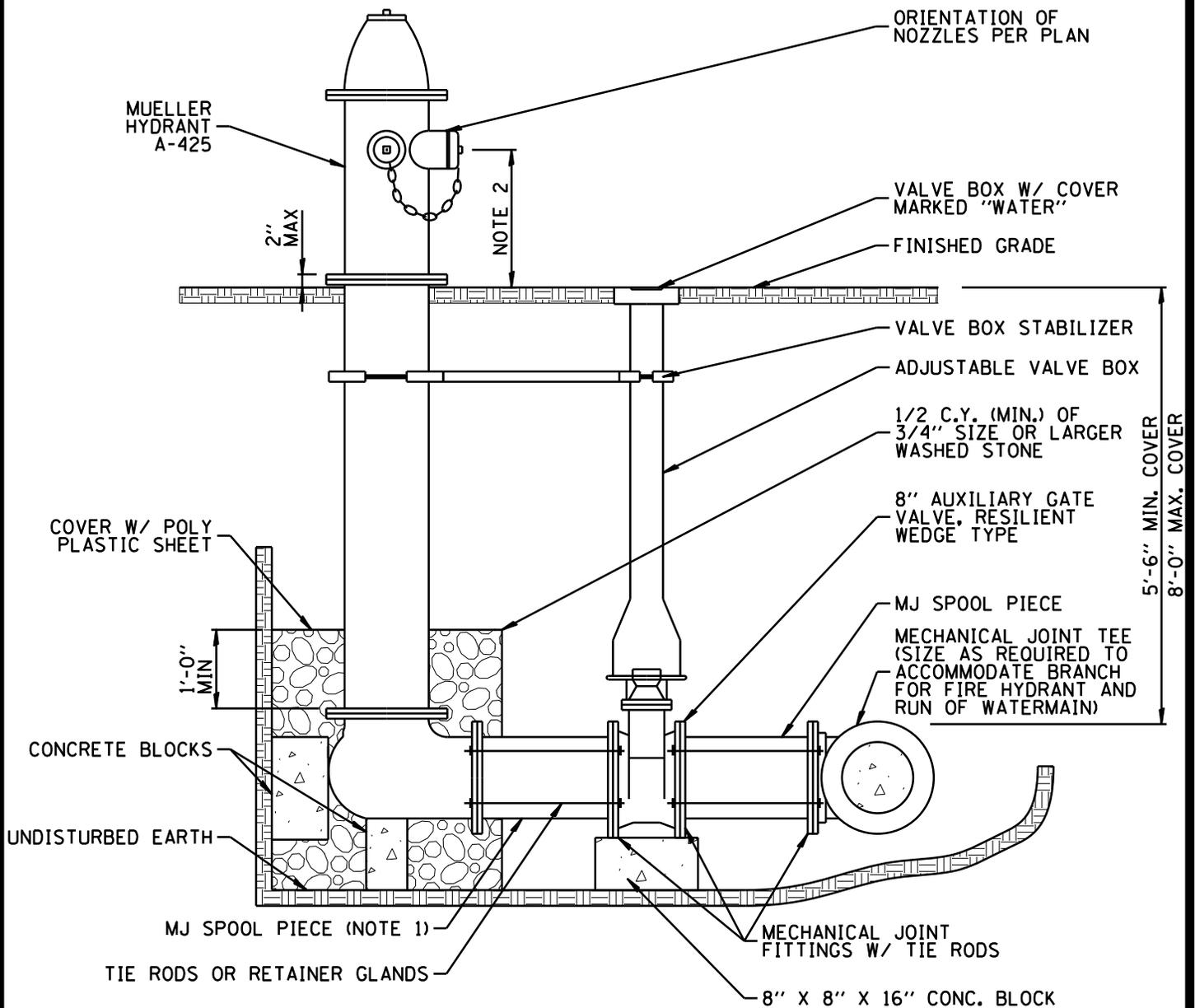
14



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DSGN.	DJD	SCALE:	N.T.S.
DWN.	REM	MODEL:	Default
CHKD.	JFA	PLOT DATE:	2/12/2026
FILE:	14_Pressure Connection Vault		



NOTES:

1. PROVIDE 1'-0" TO 2'-0" SPACER BETWEEN AUXILIARY VALVE AND HYDRANT BARREL.
2. PROVIDE 1'-6" TO 2'-0" CLEARANCE BETWEEN NOZZLE AND FINISHED GRADE.
3. MINIMUM NOZZLE SIZES SHALL INCLUDE TWO 2.5" AND ONE 4.5".
4. PROVIDE 2'-0" DIAMETER BY 2'-0" DEEP DRAINAGE PIT AROUND AND ADJACENT TO FIRE HYDRANT, FILLED WITH WASHED STONE.
5. THE MAIN VALVE SHALL HAVE A DIAMETER OF 5.25" AND SHALL OPEN IN A COUNTERCLOCKWISE DIRECTION.
6. SEE APPROVED LINCOLNWOOD PRODUCTS LIST.

CLIENT:



Village of Lincolnwood

6900 N. Lincoln Ave.
Lincolnwood, IL 60712

TITLE:

FIRE HYDRANT

PROJ. NO. 140090.GEN

DATE: 2/12/2026

SHEET 15 OF 27

DRAWING NO.

15

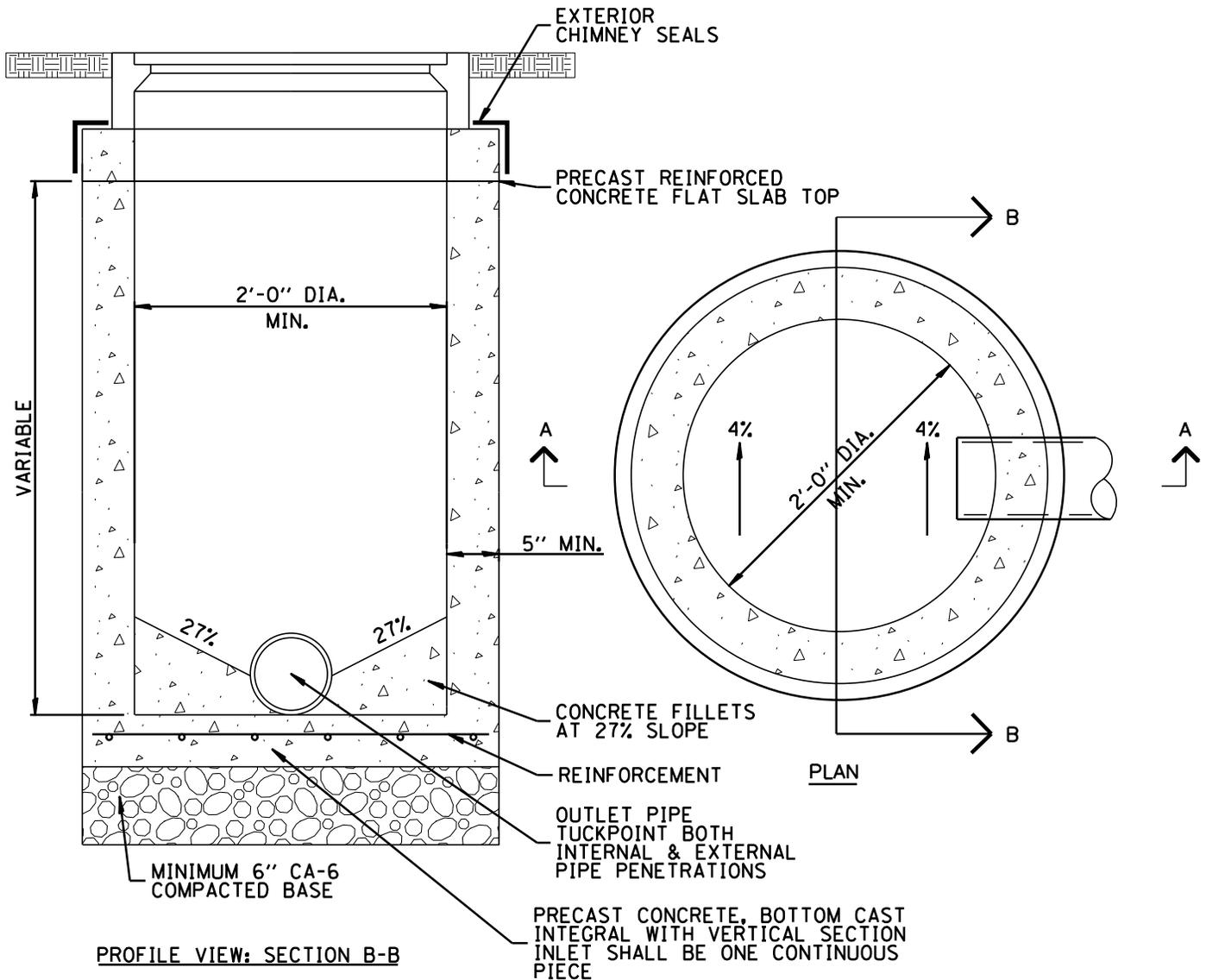


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DSGN.	DJD	SCALE:	N.T.S.
DWN.	REM	MODEL:	Default
CHKD.	JFA	PLOT DATE:	2/12/2026
FILE:	15. Fire Hydrant		

r-nor-kham



NOTES:

1. STRUCTURE SHALL BE PRECAST REINFORCED CONCRETE WITH MINIMUM WALL THICKNESS OF 5".
2. STRUCTURE BOTTOMS SHALL BE PRECAST REINFORCED CONCRETE WITH FIRST VERTICAL SECTION PRECAST INTEGRALLY WITH IT.
3. ALL JOINTS BETWEEN PRECAST ELEMENTS, ADJUSTING RINGS, AND MANHOLE FRAMES SHALL BE SET IN PLACE WITH A BUTYL RUBBER JOINT SEALANT. BARREL SECTIONS SHALL BE SEALED USING EITHER A BUTYL RUBBER JOINT SEALANT OR A RUBBER GASKET. A 9" WIDE POLYETHYLENE EXTERNAL SEAL SHALL BE APPLIED TO ALL STRUCTURE JOINTS.
4. A MAXIMUM OF TWO (2) ADJUSTMENT RINGS FOR A MAXIMUM ADJUSTMENT OF 8" IS ALLOWED. THE TOP ADJUSTMENT RING SHALL BE MADE OF RECYCLED RUBBER WHEN THE STRUCTURE IS INSTALLED IN A PAVED TRAFFIC AREA.
5. EXTERNAL CHIMNEY SEALS SHALL BE INSTALLED WHICH SHALL CAPTURE AT LEAST 4" OF THE STRUCTURE FRAME, ALL OF THE ADJUSTING RINGS, AND 4" OF THE UPPER CONE SECTION EXCEPT FOR INLETS IN YARD AREAS USING TYPE 8 FRAMES.
6. MANUFACTURER AND MODEL NUMBER FOR FRAMES AND GRATES SHALL BE AS SPECIFIED IN THE VILLAGE OF LINCOLNWOOD APPROVED PRODUCTS LIST.
7. PIPE CONNECTIONS SHALL BE MADE WITH THE USE OF PRECAST OPENINGS. CONNECTIONS TO EXISTING STRUCTURES SHALL BE MADE WITH THE USE OF MACHINE-CORED OPENINGS. THE INTERNAL AND EXTERNAL PIPE PENETRATIONS SHALL BE TUCKPOINTED.
8. INCLUDE 4% CONCRETE SLOPE ALONG SECTION A-A
9. AT DEPTHS GREATER THAN 4' INSTALL LADDER PER MANHOLE DETAILS.
10. ALL ADJUSTMENT RINGS 1" AND SMALLER SHALL BE RUBBER MANHOLE ADJUSTMENT RINGS. PRECAST FOR RINGS 1" OR LESS IS PROHIBITED.

CLIENT:



Village of Lincolnwood

6900 N. Lincoln Ave.
Lincolnwood, IL 60712

TITLE:

**PRECAST INLET
TYPE A**

PROJ. NO. 140090.GEN

DATE: 2/12/2026

SHEET 16 OF 27

DRAWING NO.

16

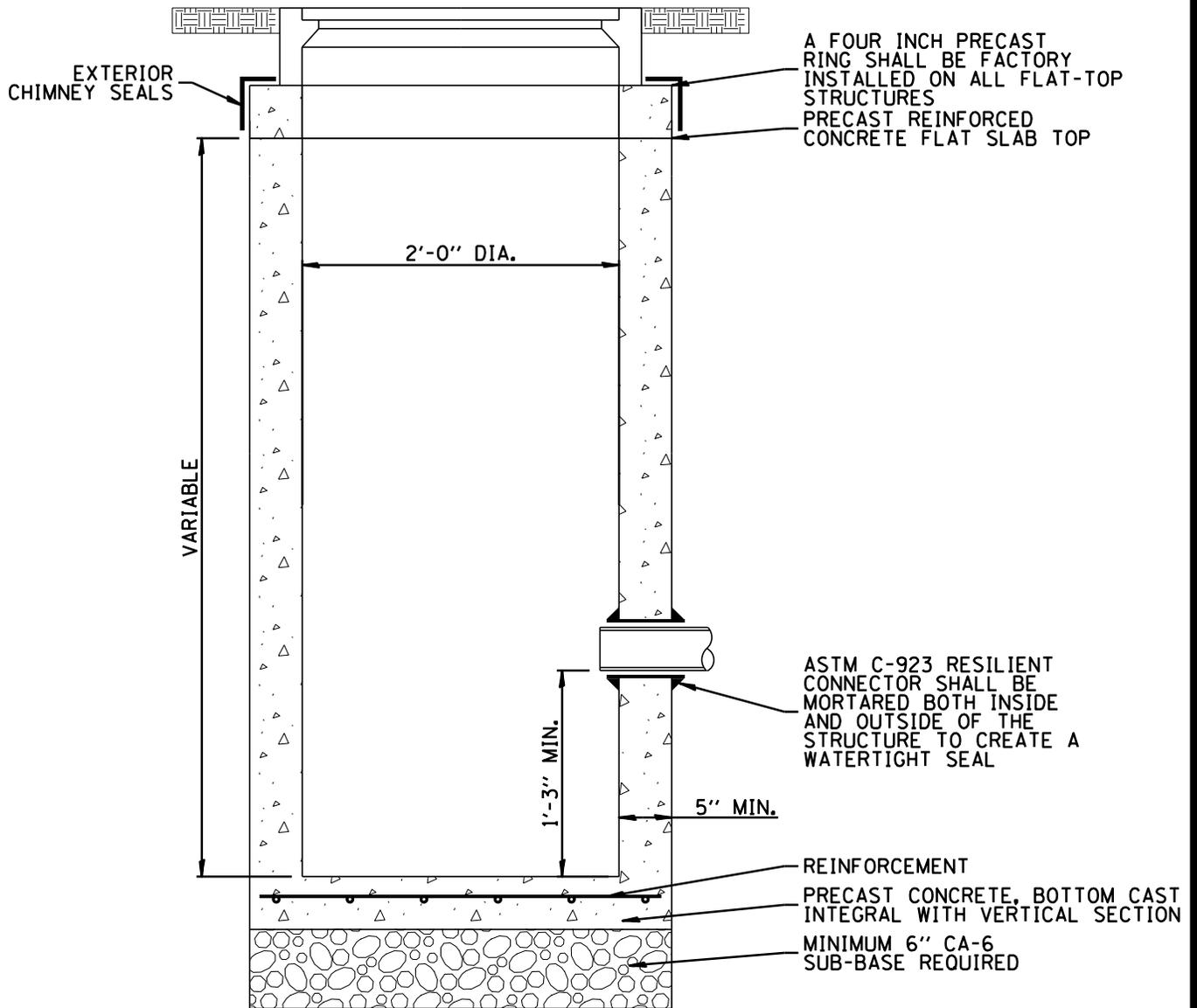


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DSGN.	DJD	SCALE:	N.T.S.
DWN.	REM	MODEL:	Default
CHKD.	JFA	PLOT DATE:	2/12/2026
FILE:	16_Inlet Type A		

rmarkham



NOTES:

1. STRUCTURE SHALL BE PRECAST REINFORCED CONCRETE WITH MINIMUM WALL THICKNESS OF 5".
2. STRUCTURE BOTTOMS SHALL BE PRECAST REINFORCED CONCRETE WITH FIRST VERTICAL SECTION PRECAST INTEGRALLY WITH IT.
3. ALL JOINTS BETWEEN PRECAST ELEMENTS, ADJUSTING RINGS, AND MANHOLE FRAMES SHALL BE SET IN PLACE WITH A BUTYL RUBBER JOINT SEALANT. BARREL SECTIONS SHALL BE SEALED USING EITHER A BUTYL RUBBER JOINT SEALANT OR A RUBBER GASKET. A 9" WIDE POLYETHYLENE EXTERNAL SEAL SHALL BE APPLIED TO ALL STRUCTURE JOINTS.
4. A MAXIMUM OF TWO (2) ADJUSTMENT RINGS FOR A MAXIMUM ADJUSTMENT OF 8" IS ALLOWED. THE TOP ADJUSTMENT RING SHALL BE MADE OF RECYCLED RUBBER WHEN THE STRUCTURE IS INSTALLED IN A PAVED TRAFFIC AREA.
5. EXTERNAL CHIMNEY SEALS SHALL BE INSTALLED WHICH SHALL CAPTURE AT LEAST 4" OF THE STRUCTURE FRAME, ALL OF THE ADJUSTING RINGS, AND 4" OF THE UPPER CONE SECTION EXCEPT FOR CATCH BASINS IN YARD AREAS USING TYPE 8 FRAMES.
6. MANUFACTURER AND MODEL NUMBER FOR FRAMES AND GRATES SHALL BE AS SPECIFIED IN THE VILLAGE OF LINCOLNWOOD APPROVED PRODUCTS LIST.
7. PIPE CONNECTIONS SHALL BE MADE WITH THE USE OF PRECAST OPENINGS. CONNECTIONS TO EXISTING STRUCTURES SHALL BE MADE WITH THE USE OF MACHINE-CORED OPENINGS. THE INTERNAL AND EXTERNAL PIPE PENETRATIONS SHALL BE MORTARED.
8. MANHOLE TO HAVE PRECAST "RUBBER BOOTS" CONFORMING TO ASTM C-923 AT ALL PIPE CONNECTIONS.
9. AT DEPTHS GREATER THAN 4' INSTALL LADDER PER MANHOLE DETAILS.
10. ALL ADJUSTMENT RINGS 1" AND SMALLER SHALL BE RUBBER MANHOLE ADJUSTMENT RINGS. PRECAST FOR RINGS 1" OR LESS IS PROHIBITED.

CLIENT:



Village of Lincolnwood

6900 N. Lincoln Ave.
Lincolnwood, IL 60712

TITLE:

**PRECAST CATCH BASIN
TYPE C**

PROJ. NO. 140090.GEN

DATE: 2/12/2026

SHEET 18 OF 27

DRAWING NO.

18

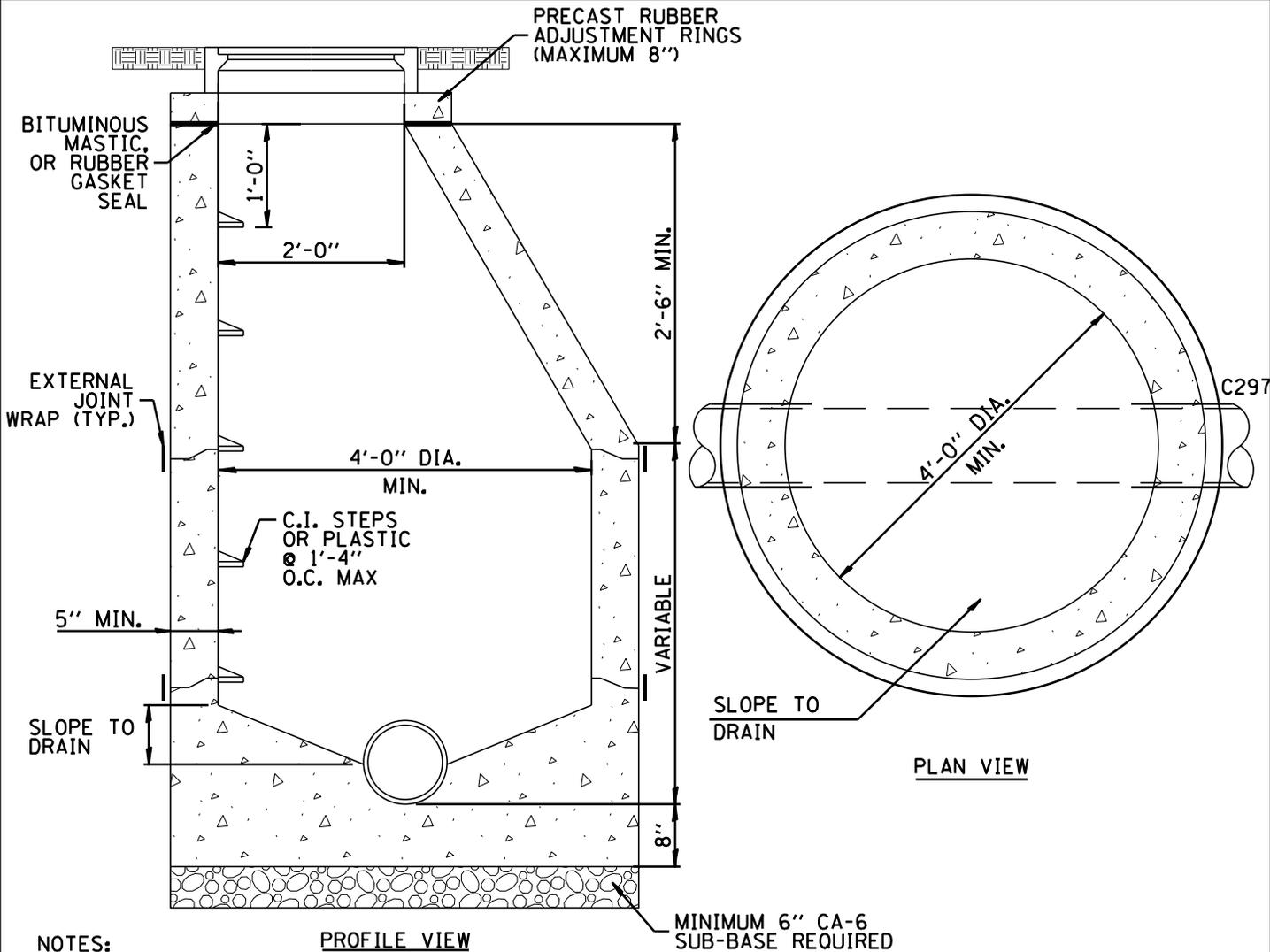


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DSGN.	DJD	SCALE:	N.T.S.
DWN.	REM	MODEL:	Default
CHKD.	JFA	PLOT DATE:	2/12/2026
FILE:	18_Catch Basin Type C		

r.mor-kham



NOTES:

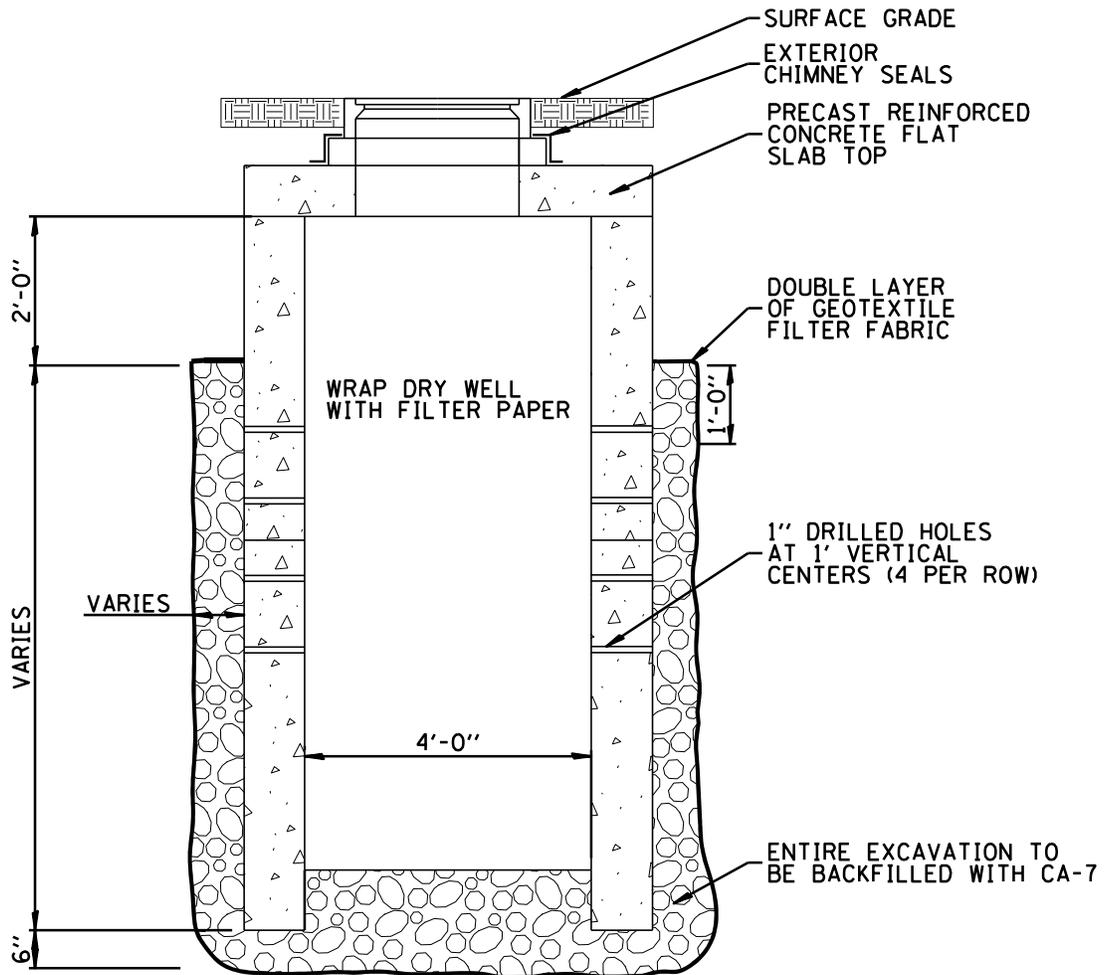
PROFILE VIEW

MINIMUM 6" CA-6 SUB-BASE REQUIRED

1. STRUCTURE SHALL BE PRECAST REINFORCED CONCRETE WITH MINIMUM WALL THICKNESS OF 5".
2. STRUCTURES SHALL BE 4'-0" INSIDE DIAMETER FOR MAIN SEWER 18" DIAMETER AND LESS, AND STRUCTURE DEPTH OF 20' OR LESS. STRUCTURES SHALL BE 5'-0" INSIDE DIAMETER FOR MAIN SEWER 21" DIAMETER AND LARGER OR STRUCTURE DEPTH MORE THAN 20'.
3. STRUCTURE BOTTOMS SHALL BE PRECAST REINFORCED CONCRETE WITH FIRST VERTICAL SECTION PRECAST INTEGRALLY WITH IT.
4. A MAXIMUM OF TWO (2) ADJUSTMENT RINGS FOR A MAXIMUM ADJUSTMENT OF 8" IS ALLOWED. THE TOP ADJUSTMENT RING SHALL BE MADE OF RECYCLED RUBBER WHEN THE STRUCTURE IS INSTALLED IN A PAVED TRAFFIC AREA.
5. ALL JOINTS BETWEEN PRECAST ELEMENTS, ADJUSTING RINGS, AND MANHOLE FRAMES SHALL BE SET IN PLACE WITH A BUTYL RUBBER JOINT SEALANT. BARREL SECTION SHALL BE SEALED USING EITHER A BUTYL RUBBER JOINT SEALANT OR A RUBBER GASKET. A 9" WIDE POLYETHYLENE EXTERNAL SEAL SHALL BE APPLIED TO ALL STRUCTURE JOINTS.
6. STRUCTURE STEPS SHALL BE MADE OF STEEL REINFORCED PLASTIC USING AN APPROVED PLASTIC MEETING ASTM D4101, TYPES II, GRADE 49108, OVER #3 GRADE 60, ASTM AG15 REINFORCING BAR. STEPS SHALL BE AT 16" CENTERS.
7. EXTERNAL CHIMNEY SEALS SHALL BE INSTALLED WHICH SHALL CAPTURE AT LEAST 4" OF THE STRUCTURE FRAME, ALL OF THE ADJUSTING RINGS, AND 4" OF THE UPPER CONE SECTION.
8. STRUCTURE WITH CLOSED LIDS SHALL HAVE A 1" CONCEALED PICKHOLE. STRUCTURES WITH OPEN LIDS SHALL BE AS PER VILLAGE OF LINCOLNWOOD APPROVED WITH PRODUCTS LIST.
9. PIPE CONNECTIONS SHALL BE MADE WITH THE USE OF PRECAST OPENINGS. CONNECTIONS TO EXISTING STRUCTURES SHALL BE MADE WITH THE USE OF MACHINE-CORED OPENINGS. THE INTERNAL AND EXTERNAL PIPE PENETRATIONS SHALL BE MORTARED.
10. SEE VILLAGE OF LINCOLNWOOD APPROVED PRODUCTS LISTS FOR MANUFACTURER AND MODEL NUMBERS.
11. ALL ADJUSTMENT RINGS 1" AND SMALLER SHALL BE RUBBER MANHOLE ADJUSTMENT RINGS. PRECAST FOR RINGS 1" OR LESS IS PROHIBITED.

<p>CLIENT: Village of Lincolnwood 6900 N. Lincoln Ave. Lincolnwood, IL 60712</p>	<p>TITLE: PRECAST STORM MANHOLE</p>	<p>PROJ. NO. 140090.GEN DATE: 2/12/2026 SHEET 19 OF 27 DRAWING NO. 19</p>																
<p> CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 · Rosemont, Illinois 60018 · (847) 823-0500</p>		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>DSGN.</td> <td>DJD</td> <td>SCALE:</td> <td>N.T.S.</td> </tr> <tr> <td>DWN.</td> <td>REM</td> <td>MODEL:</td> <td>Default</td> </tr> <tr> <td>CHKD.</td> <td>JFA</td> <td>PLOT DATE:</td> <td>2/12/2026</td> </tr> <tr> <td>FILE:</td> <td colspan="3">19_Storm Manhole</td> </tr> </table>	DSGN.	DJD	SCALE:	N.T.S.	DWN.	REM	MODEL:	Default	CHKD.	JFA	PLOT DATE:	2/12/2026	FILE:	19_Storm Manhole		
DSGN.	DJD	SCALE:	N.T.S.															
DWN.	REM	MODEL:	Default															
CHKD.	JFA	PLOT DATE:	2/12/2026															
FILE:	19_Storm Manhole																	

r.nor-kham



NOTES:

1. DRYWELL STRUCTURE SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE VILLAGE OF LINCOLNWOOD STANDARD DETAIL FOR A STORM MANHOLE. SEE APPROVED VILLAGE OF LINCOLNWOOD APPROVED PRODUCT LIST FOR MANUFACTURER AND MODEL NUMBERS.
2. WHEN A DRYWELL IS CONSTRUCTED WITHIN A TURF AREA, THAT PORTION EXCAVATED ABOVE THE GEOTEXTILE FILTER FABRIC SHALL BE BACKFILLED WITH CA-7 AND THE FINAL SIX (6) INCHES, MINIMUM, WITH TOPSOIL IN CONFORMANCE WITH VILLAGE RESTORATION STANDARDS.
3. WHEN DRYWELL IS LOCATED WITHIN A PAVEMENT AREA, THAT PORTION EXCAVATED ABOVE THE GEOTEXTILE FILTER FABRIC SHALL BE BACKFILLED WITH IDOT CA-6 AGGREGATE BASE COURSE TYPE B TO THE BOTTOM OF THE PAVEMENT SUB-BASE ELEVATION.
4. A MAXIMUM OF TWO (2) ADJUSTMENT RINGS FOR A MAXIMUM ADJUSTMENT OF 8" IS ALLOWED. THE TOP ADJUSTMENT RING SHALL BE MADE OF RECYCLED RUBBER WHEN THE STRUCTURE IS INSTALLED IN A PAVED TRAFFIC AREA.
5. DRY WELL CONSTRUCTION SHALL BE ALLOWED IN ONLY IN SPECIAL CASES, SERVING LIMITED AREAS, AND ONLY WHEN SOIL BORINGS INDICATE THAT EXISTING GROUND WILL SUPPORT THEIR USE. THE USE OF DRYWELLS REQUIRES THE WRITTEN APPROVAL OF THE VILLAGE.
6. ALL JOINTS BETWEEN PRECAST ELEMENTS, ADJUSTING RINGS, AND MANHOLE FRAMES SHALL BE SET IN PLACE WITH A BUTYL RUBBER JOINT SEALANT. BARREL SECTIONS SHALL BE SEALED USING EITHER A BUTYL RUBBER JOINT SEALANT OR A RUBBER GASKET. A 9" WIDE POLYETHYLENE EXTERNAL SEAL SHALL BE APPLIED TO ALL STRUCTURE JOINTS.
7. THE PERIMETER OF THE VOLUME CONTROL FACILITY SHALL MAINTAIN THE MINIMUM HORIZONTAL SEPARATION DISTANCE OF: 10- FEET FROM FOUNDATIONS, UNLESS WATERPROOFED; 20- FEET FROM ROADWAY GRAVEL SHOULDER;
8. SANITARY OR COMBINED SEWERS SHALL NOT BE LOCATED WITHIN THE VOLUME CONTROL FACILITY. SANITARY OR COMBINED SEWERS SHALL NOT BE LOCATED BELOW THE FOOTPRINT OF THE VOLUME CONTROL FACILITY.
9. AVOID INSTALLATION ON AREAS OF COMPACTED FILL.
10. GEOTEXTILE FABRIC SHALL MEET REQUIREMENTS OF IUM MATERIAL SPECIFICATION 592. FOR WOVEN: APPARENT OPENING SIZE OF 0.50MM (TABLE 1, CLASS I). FOR NON WOVEN: APPARENT OPENING SIZE OF 0.30 MM (TABLE 2, CLASS II).
11. ALL ADJUSTMENT RINGS 1" AND SMALLER SHALL BE RUBBER MANHOLE ADJUSTMENT RINGS. PRECAST FOR RINGS 1" OR LESS IS PROHIBITED.

CLIENT:



Village of Lincolnwood

6900 N. Lincoln Ave.
Lincolnwood, IL 60712

TITLE:

OPEN BOTTOM DRYWELL

PROJ. NO. 140090.GEN

DATE: 2/12/2026

SHEET 20 OF 27

DRAWING NO.

20

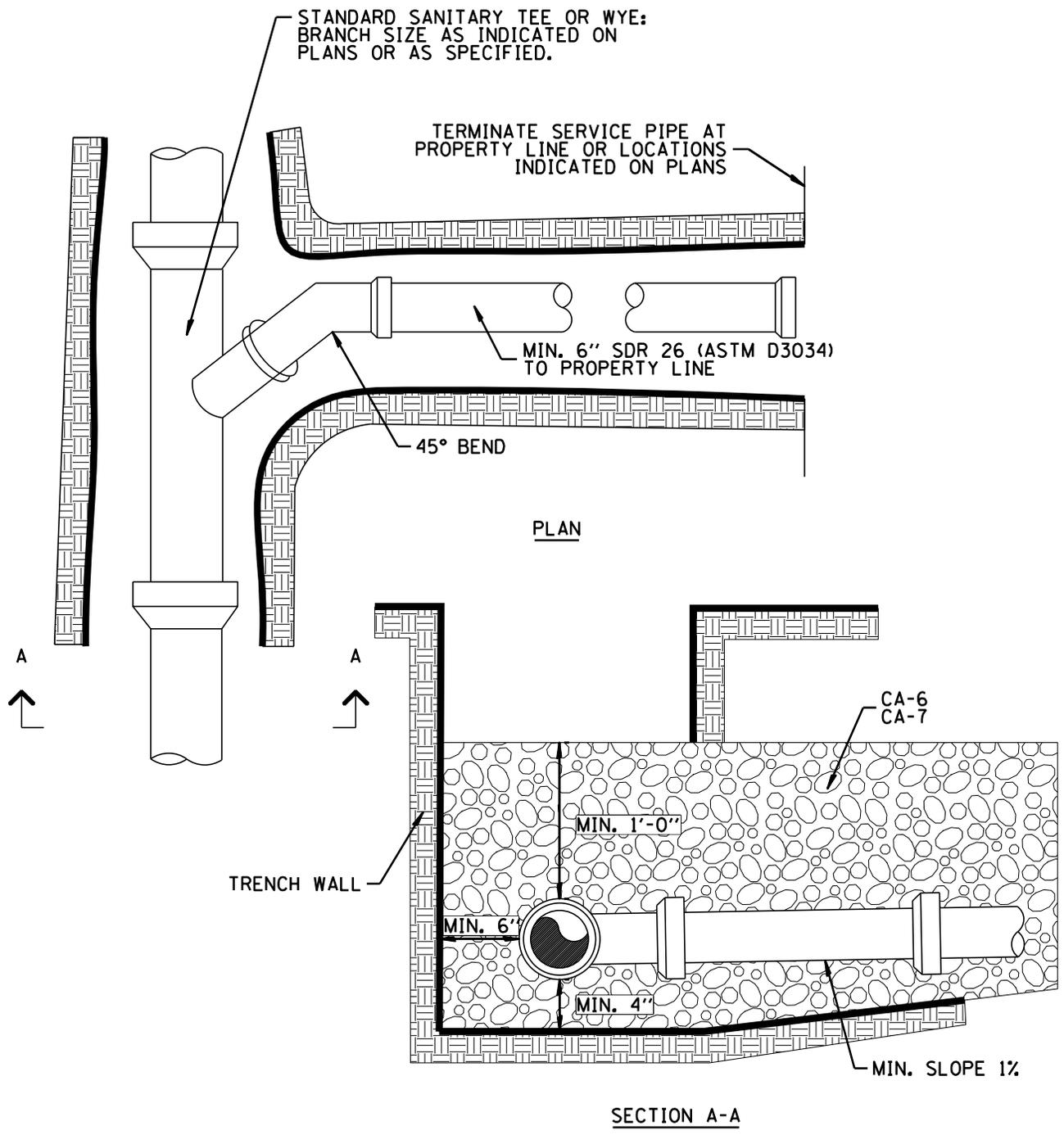


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DSGN.	DJD	SCALE:	N.T.S.
DWN.	REM	MODEL:	Default
CHKD.	JFA	PLOT DATE:	2/12/2026
FILE:	20_Open Bottom Drywell		

r.nor-kham

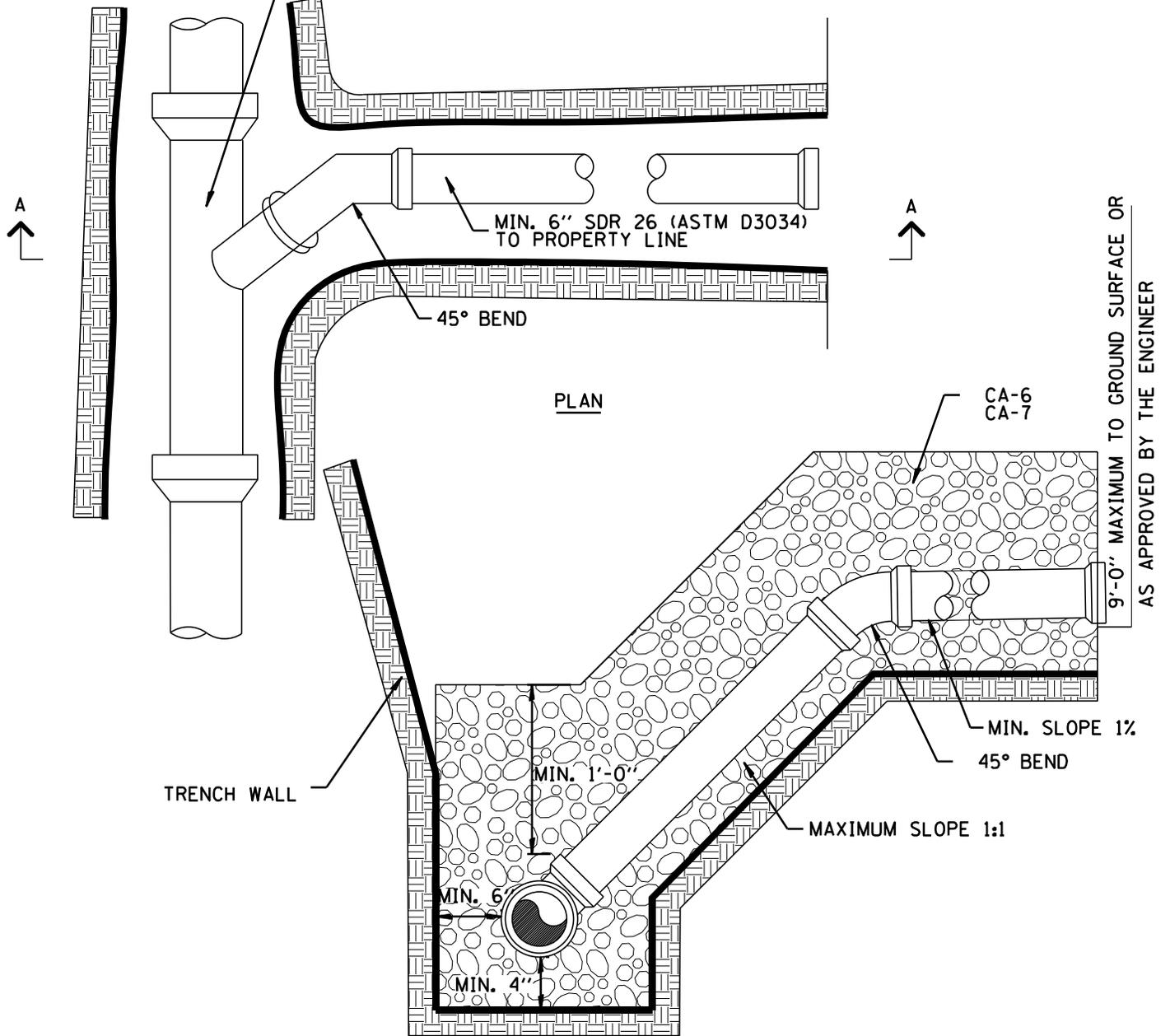


NOTES:

1. TEE OR WYE FITTING SHALL BE ROTATED UP FROM HORIZONTAL PLANE TO PROVIDE 1% MINIMUM SLOPE FOR SERVICE LINE.
2. MINIMUM 4" APPROVED, COMPACTED GRANULAR BEDDING AND BACKFILL 12" ABOVE SERVICE LINE
3. PIPE SHALL BE BEDDED AND BACKFILLED IN ACCORDANCE WITH VILLAGE OF LINCOLNWOOD STANDARD DETAIL FOR TRENCH SECTIONS.
4. SEE VILLAGE OF LINCOLNWOOD APPROVED PRODUCTS LIST FOR MANUFACTURER AND MODEL NUMBERS.

CLIENT:	Village of Lincolnwood 6900 N. Lincoln Ave. Lincolnwood, IL 60712	TITLE: SANITARY SERVICE FLAT	PROJ. NO. 140090.GEN DATE: 2/12/2026 SHEET 21 OF 27 DRAWING NO.																
CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 · Rosemont, Illinois 60018 · (847) 823-0500		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>DSGN.</td> <td>DJD</td> <td>SCALE:</td> <td>N.T.S.</td> </tr> <tr> <td>DWN.</td> <td>REM</td> <td>MODEL:</td> <td>Default</td> </tr> <tr> <td>CHKD.</td> <td>JFA</td> <td>PLOT DATE:</td> <td>2/12/2026</td> </tr> <tr> <td>FILE:</td> <td colspan="3">21_Sanitary Service Flat</td> </tr> </table>	DSGN.	DJD	SCALE:	N.T.S.	DWN.	REM	MODEL:	Default	CHKD.	JFA	PLOT DATE:	2/12/2026	FILE:	21_Sanitary Service Flat			21
DSGN.	DJD	SCALE:	N.T.S.																
DWN.	REM	MODEL:	Default																
CHKD.	JFA	PLOT DATE:	2/12/2026																
FILE:	21_Sanitary Service Flat																		

STANDARD SANITARY TEE OR WYE:
BRANCH SIZE AS INDICATED ON
PLANS OR AS SPECIFIED.



9'-0" MAXIMUM TO GROUND SURFACE OR
AS APPROVED BY THE ENGINEER

NOTES:

SECTION A-A

1. TEE OR WYE FITTING SHALL BE ROTATED UP FROM HORIZONTAL PLANE TO PROVIDE 1:1 MAXIMUM SLOPE FOR SERVICE LINE.
2. RISERS SHALL BE CONSTRUCTED WHERE MAIN LINE SEWER INVERT IS 10" OR MORE BELOW THE GROUND SURFACE.
3. RISER SHALL BE CONSTRUCTED OF SDR 26 (ASTM D3034) TO BEYOND THE 45 DEGREE BEND IF THE SEWER MAIN IS 15' OR MORE BELOW GROUND SURFACE. NON SHEAR COUPLING THEN CAN BE USED TO JOIN THE DUCTILE IRON RISER & PVC SERVICE.
4. MINIMUM 4" APPROVED, COMPACTED GRANULAR BEDDING AND BACKFILL 12" ABOVE SERVICE LINE DETAIL FOR TRENCH SECTIONS.
5. SEE VILLAGE OF LINCOLNWOOD APPROVED PRODUCTS LIST FOR MANUFACTURER AND MODEL NUMBERS.

CLIENT:



Village of Lincolnwood

6900 N. Lincoln Ave.
Lincolnwood, IL 60712

TITLE:

**SANITARY SERVICE
RISER**

PROJ. NO. 140090.GEN

DATE: 2/12/2026

SHEET 22 OF 27

DRAWING NO.

22

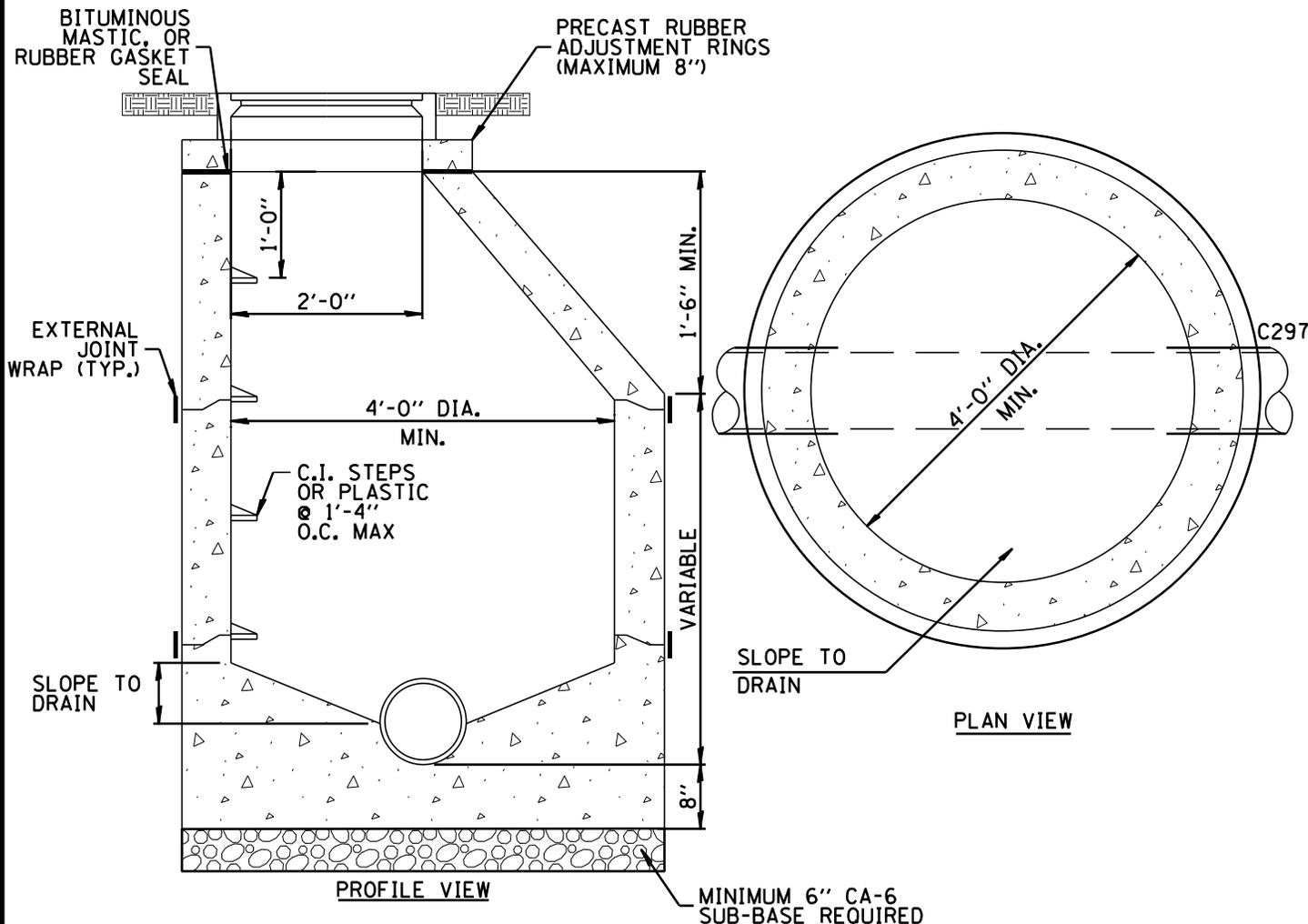


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DSGN.	DJD	SCALE:	N.T.S.
DWN.	REM	MODEL:	Default
CHKD.	JFA	PLOT DATE:	2/12/2026
FILE:	22_Sanitary Service Riser		

rmarkham



NOTES:

1. STRUCTURE SHALL BE 4'-0" INSIDE DIAMETER FOR MAIN SEWER 18" DIAMETER AND LESS, AND STRUCTURE DEPTH OF 20' OR LESS. STRUCTURES SHALL BE 5'-0" INSIDE DIAMETER FOR MAIN SEWER 21" DIAMETER AND LARGER, AND STRUCTURE DEPTH MORE THAN 20'.
2. STRUCTURE BOTTOMS SHALL BE PRECAST REINFORCED CONCRETE WITH FIRST VERTICAL SECTION PRECAST INTEGRALLY WITH IT.
3. ALL EXTERIOR SURFACES OF STRUCTURE SHALL HAVE A FACTORY APPLIED BITUMINOUS COATING.
4. A MAXIMUM OF TWO (2) ADJUSTMENT RINGS FOR A MAXIMUM ADJUSTMENT OF 8" IS ALLOWED. THE TOP ADJUSTMENT RING SHALL BE MADE OF RECYCLED RUBBER WHEN THE STRUCTURE IS INSTALLED IN A PAVED TRAFFIC AREA.
5. ALL JOINTS BETWEEN PRECAST ELEMENTS, ADJUSTING RINGS, AND MANHOLE FRAMES SHALL BE SET IN PLACE WITH A BUTYL RUBBER JOINT SEALANT. BARREL SECTIONS SHALL BE SEALED USING EITHER A BUTYL RUBBER JOINT SEALANT OR A RUBBER GASKET. A 9" WIDE POLYETHYLENE EXTERNAL RUBBER SEAL SHALL BE APPLIED TO ALL STRUCTURE JOINTS.
6. STRUCTURE STEPS SHALL BE MADE OF STEEL REINFORCED PLASTIC USING AN APPROVED PLASTIC MEETING ASTM D4101, TYPE II, GRADE 49108, OVER #3 GRADE 60, ASTM A615 REINFORCING BAR. STEPS SHALL BE AT 16" CENTERS.
7. STRUCTURE LID SHALL HAVE A 1" CONCEALED PICKHOLE.
8. PIPE CONNECTIONS SHALL BE MADE WITH THE USE OF PRECAST OPENINGS AND FLEXIBLE MANHOLE COUPLINGS CONFORMING TO ASTM C927. CONNECTIONS TO EXISTING MACHINE-CORED OPENINGS AND FLEXIBLE STRUCTURES SHALL BE MADE WITH THE USE OF MANHOLE COUPLINGS.
9. PRECAST CONCRETE RUBBER ADJUSTMENT RINGS SHALL BE USED; ADJUSTMENT RINGS 1" AND SMALLER ARE NOT PERMITTED.

CLIENT:



Village of Lincolnwood

6900 N. Lincoln Ave.
Lincolnwood, IL 60712

TITLE:

**PRECAST SANITARY
MANHOLE**

PROJ. NO. 140090.GEN

DATE: 2/12/2026

SHEET 23 OF 27

DRAWING NO.

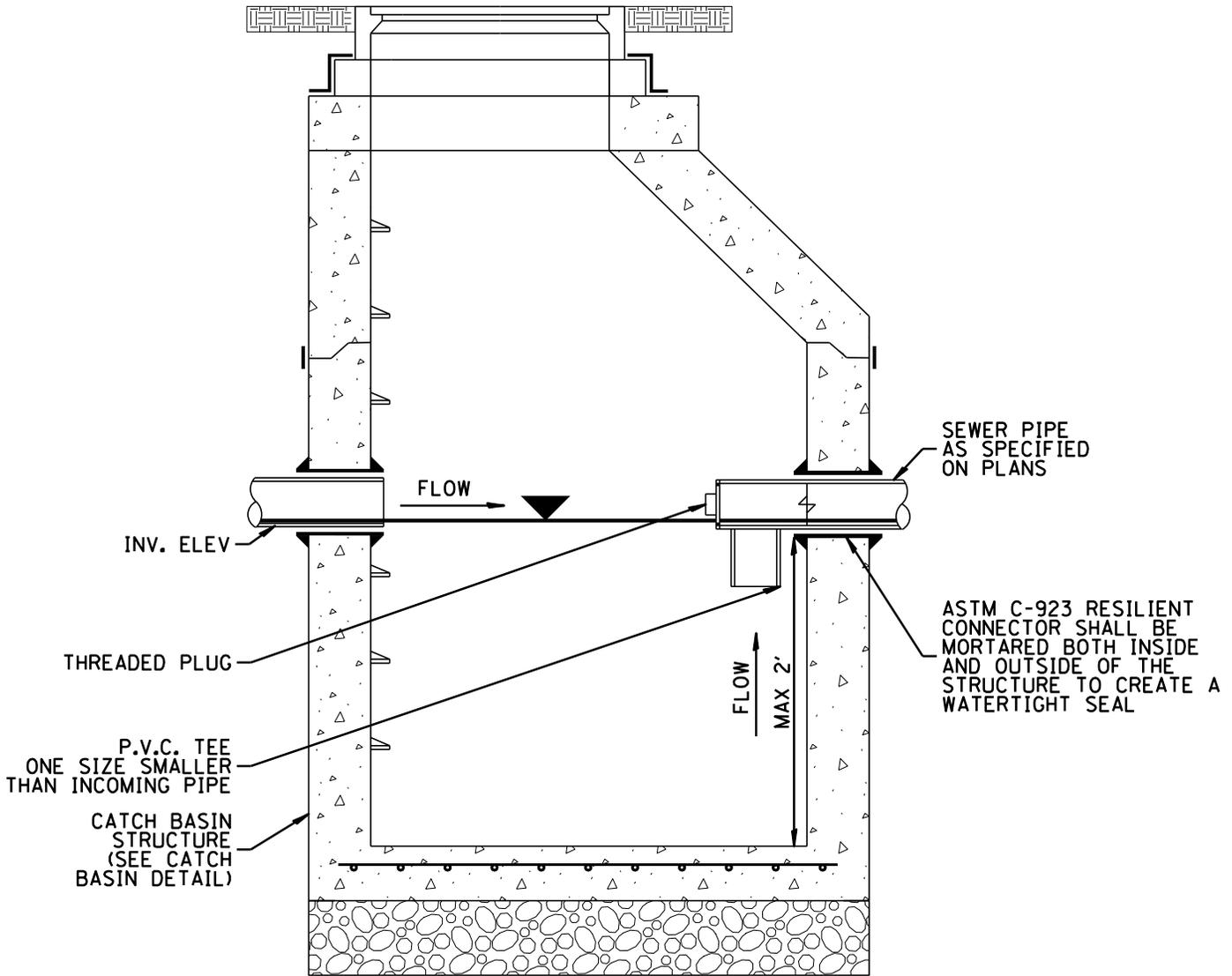
23



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DSGN.	DJD	SCALE:	N.T.S.
DWN.	REM	MODEL:	Default
CHKD.	JFA	PLOT DATE:	2/12/2026
FILE:	23_Sanitary Manholes		

r.nor-kham



NOTES:

1. INSTALL P.V.C. TEE ON PIPES CONNECTING TO COMBINED OR RELIEF MANHOLES ONLY.

CLIENT:



Village of Lincolnwood

6900 N. Lincoln Ave.
Lincolnwood, IL 60712

TITLE:

HALF TRAP

PROJ. NO. 140090.GEN

DATE: 2/12/2026

SHEET 24 OF 27

DRAWING NO.

24

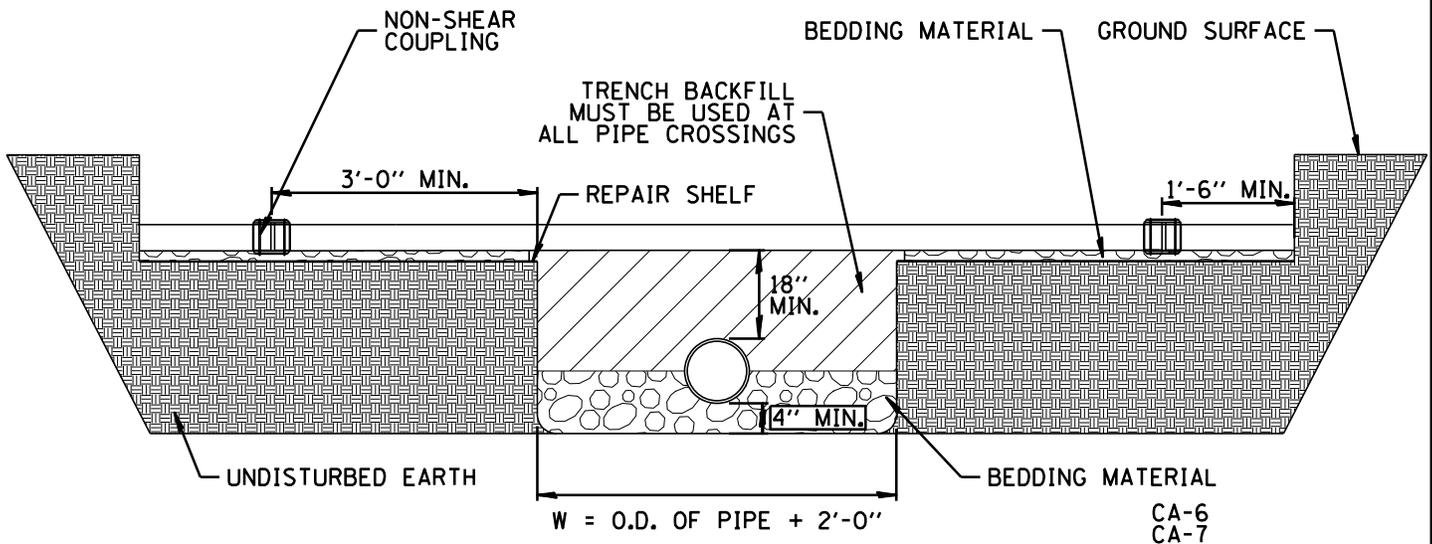


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DWN.	REM	MODEL:	Default
CHKD.	JFA	PLOT DATE:	2/12/2026
FILE:	24_half Trap		

rmar-kham



NOTES:

1. COUPLINGS ARE TO BE NON-SHEAR TYPE.
2. THE DISRUPTED PIPE SHALL BE REPAIRED WITH PVC SDR-26 OR IF THE DEPTH IS >15' USE EPOXY LINED DUCTILE IRON.
3. FIELD CUTS ON PIPE SHALL BE NO CLOSER THAN 18 INCHES FROM EXISTING BELL OR SPIGOT.
4. WHEN AT ALL POSSIBLE, USE EXISTING BELL OR SPIGOT TO ELIMINATE THE USE OF (2) COUPLINGS.
5. GRADE MUST BE MAINTAINED FOR ALL GRAVITY STATUS.
6. SEE APPROVED VILLAGE OF LINCOLNWOOD PRODUCT LIST FOR MANUFACTURER AND MODEL NUMBERS.

CLIENT:



Village of Lincolnwood

6900 N. Lincoln Ave.
Lincolnwood, IL 60712

TITLE:

**SANITARY SEWER REPAIR
AT TRENCH CROSSING**

PROJ. NO. 140090.GEN

DATE: 2/12/2026

SHEET 25 OF 27

DRAWING NO.

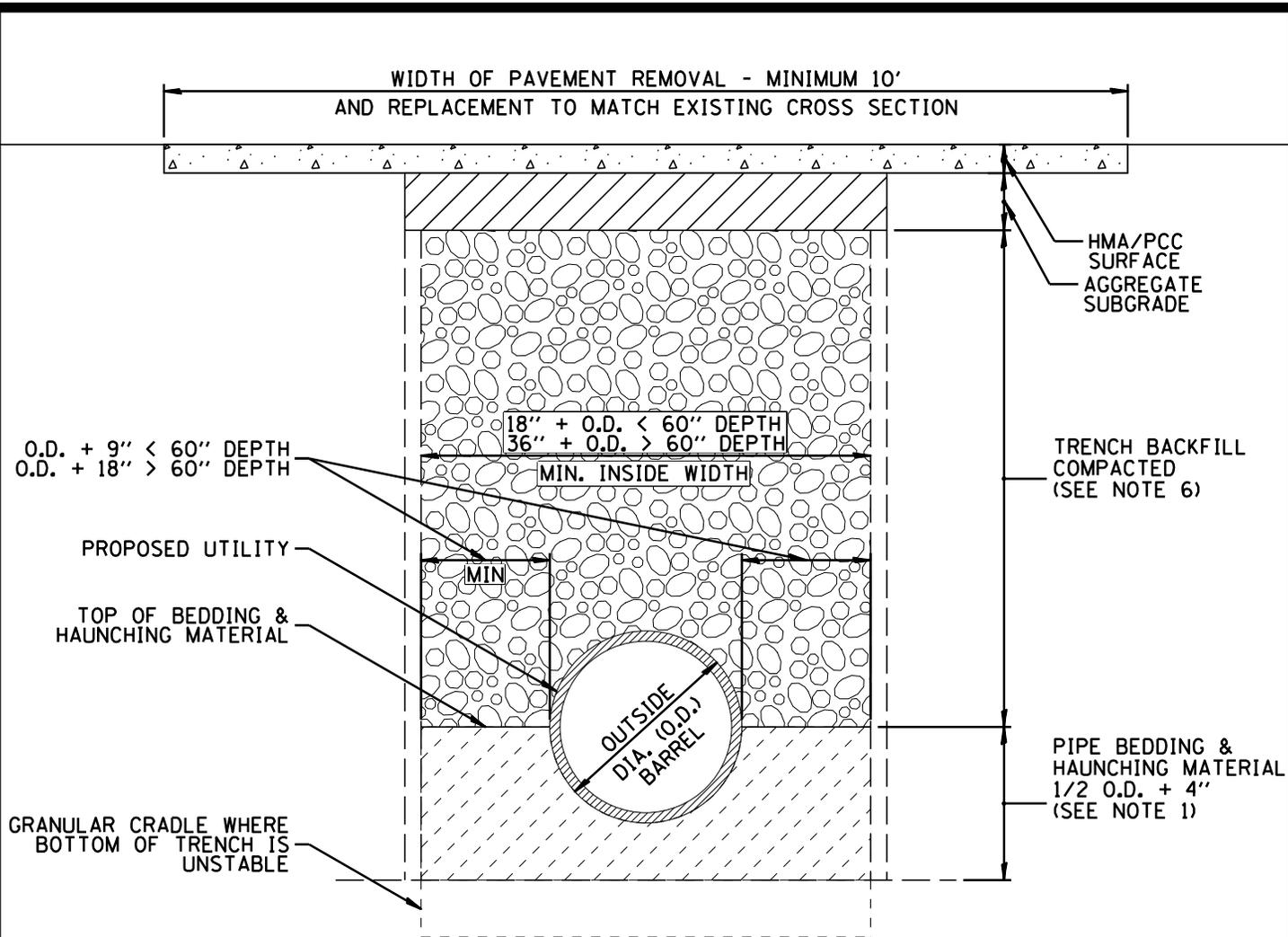
25



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DSGN.	DJD	SCALE:	N.T.S.
DWN.	REM	MODEL:	Default
CHKD.	JFA	PLOT DATE:	2/12/2026
FILE:	25_Sanitary Sewer Repair @ Trench Crossing		



TYPICAL TRENCH BACKFILL FOR PAVED AREAS

NOTES:

1. BEDDING/HAUNCHING:
 - A. FOR RIGID SEWER OR WATERMAIN PIPE, THE BEDDING & HAUNCHING MATERIAL SHALL CONFORM TO IDOT CA-6 OR CA-7 GRADATION.
 - B. FOR WATER SERVICE PIPE, THE BEDDING & HAUNCHING MATERIAL SHALL CONFORM TO IDOT CA-6 OR CA-7 GRADATION.
2. PLACE INITIAL BACKFILL IN TWO STAGES AS FOLLOWS: 1ST STAGE - PLACE & COMPACT TO TOP OF PIPE 2ND STAGE - PLACE & COMPACT AT LEAST 18" OVER CROWN OF PIPE.
3. VOIDS LEFT BY SHEETING/BRACING WHEN REMOVED SHALL BE FILLED WITH FINE SAND AND SHALL BE CONSIDERED INCIDENTAL TO THE WORK. SHEETING TO BE LEFT IN PLACE WHEN SPECIFIED ON THE PLANS.
4. CONTRACTOR IS RESPONSIBLE FOR ALL RESTORATION BEYOND THE LIMIT OF PAYMENT AS SHOWN.
5. TRENCH BACKFILL SHALL BE PROVIDED WITHIN 2' OF ALL CURBS, PAVEMENTS, SIDEWALKS, AND ALL DRIVEWAYS.
6. COMPACTION SHALL BE PERFORMED IN 6 INCH LIFTS IF PERFORMED WITH A MEDIUM (180-280LB) COMPACTOR. IF USING JETTING, ONLY CA-7 MAY BE JETTED.

CLIENT:



Village of Lincolnwood

6900 N. Lincoln Ave.
Lincolnwood, IL 60712

TITLE:

TRENCH BACKFILL & RESTORATION - PAVEMENT

PROJ. NO. 140090.GEN

DATE: 2/12/2026

SHEET 26 OF 27

DRAWING NO.

26

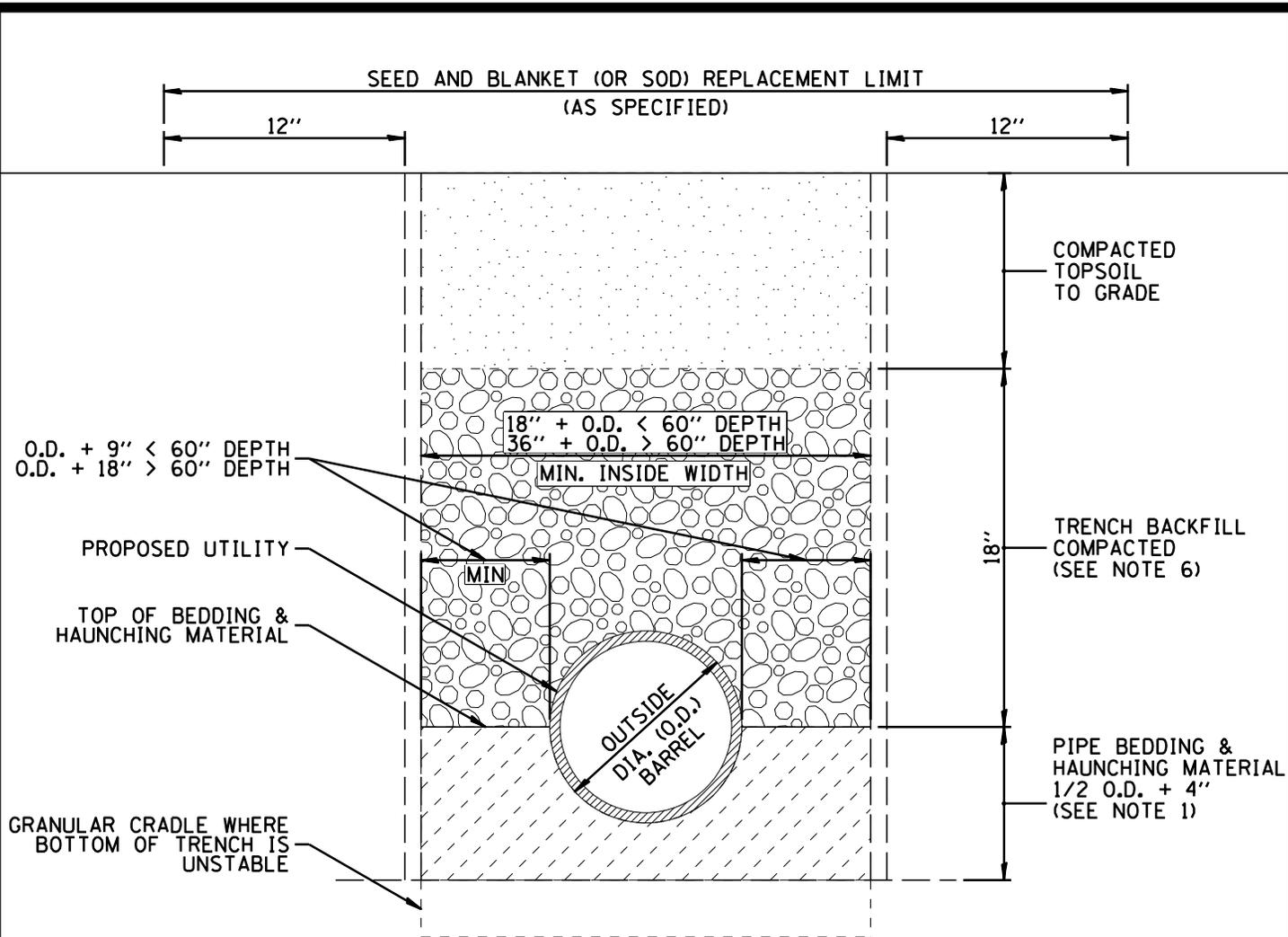


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DSGN.	DJD	SCALE:	N.T.S.
DWN.	REM	MODEL:	Default
CHKD.	JFA	PLOT DATE:	2/12/2026
FILE:	26_Trench Detail - Pavement		

r.mor-kham



TYPICAL TRENCH BACKFILL FOR PARKWAY AREAS

NOTES:

1. BEDDING/HAUNCHING:
 - A. FOR RIGID SEWER OR WATERMAIN PIPE, THE BEDDING & HAUNCHING MATERIAL SHALL CONFORM TO IDOT CA-6 OR CA-7 GRADATION.
 - B. FOR WATER SERVICE PIPE, THE BACKFILL SHALL BE EARTHEN FILL.
2. PLACE INITIAL BACKFILL IN TWO STAGES AS FOLLOWS: 1ST STAGE - PLACE & COMPACT TO TOP OF PIPE 2ND STAGE - PLACE & COMPACT AT LEAST 18" OVER CENTER OF PIPE.
3. VOIDS LEFT BY SHEETING/BRACING WHEN REMOVED SHALL BE FILLED WITH FINE SAND AND SHALL BE CONSIDERED INCIDENTAL TO THE WORK. SHEETING TO BE LEFT IN PLACE WHEN SPECIFIED ON THE PLANS.
4. CONTRACTOR IS RESPONSIBLE FOR ALL RESTORATION BEYOND THE LIMIT OF PAYMENT AS SHOWN.
5. TRENCH BACKFILL SHALL BE PROVIDED WITHIN 2' OF ALL CURBS, PAVEMENTS, SIDEWALKS, AND ALL DRIVEWAYS.
6. COMPACTION SHALL BE PERFORMED IN 6 INCH LIFTS IF PERFORMED WITH A MEDIUM (180-280LB) COMPACTOR. IF USING JETTING, ONLY CA-7 MAY BE JETTED.

CLIENT:



Village of Lincolnwood

6900 N. Lincoln Ave.
Lincolnwood, IL 60712

TITLE:

TRENCH BACKFILL & RESTORATION - PARKWAY

PROJ. NO. 140090.GEN

DATE: 2/12/2026

SHEET 27 OF 27

DRAWING NO.

27



CHRISTOPHER B. BURKE ENGINEERING, LTD.

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DSGN.	DJD	SCALE:	N.T.S.
DWN.	REM	MODEL:	Default
CHKD.	JFA	PLOT DATE:	2/12/2026
FILE:	27_Trench Detail - Parkway		

rmarkham