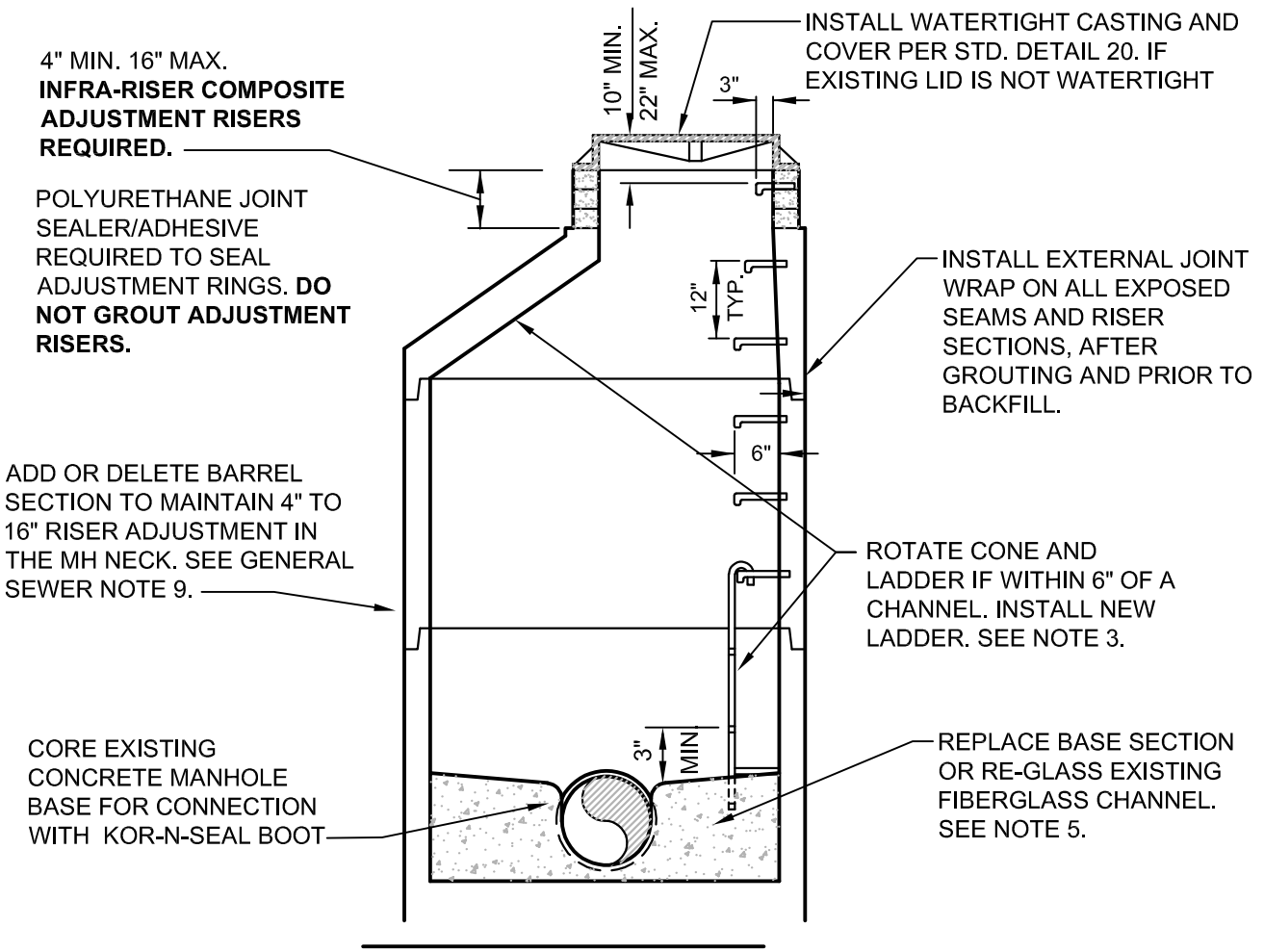
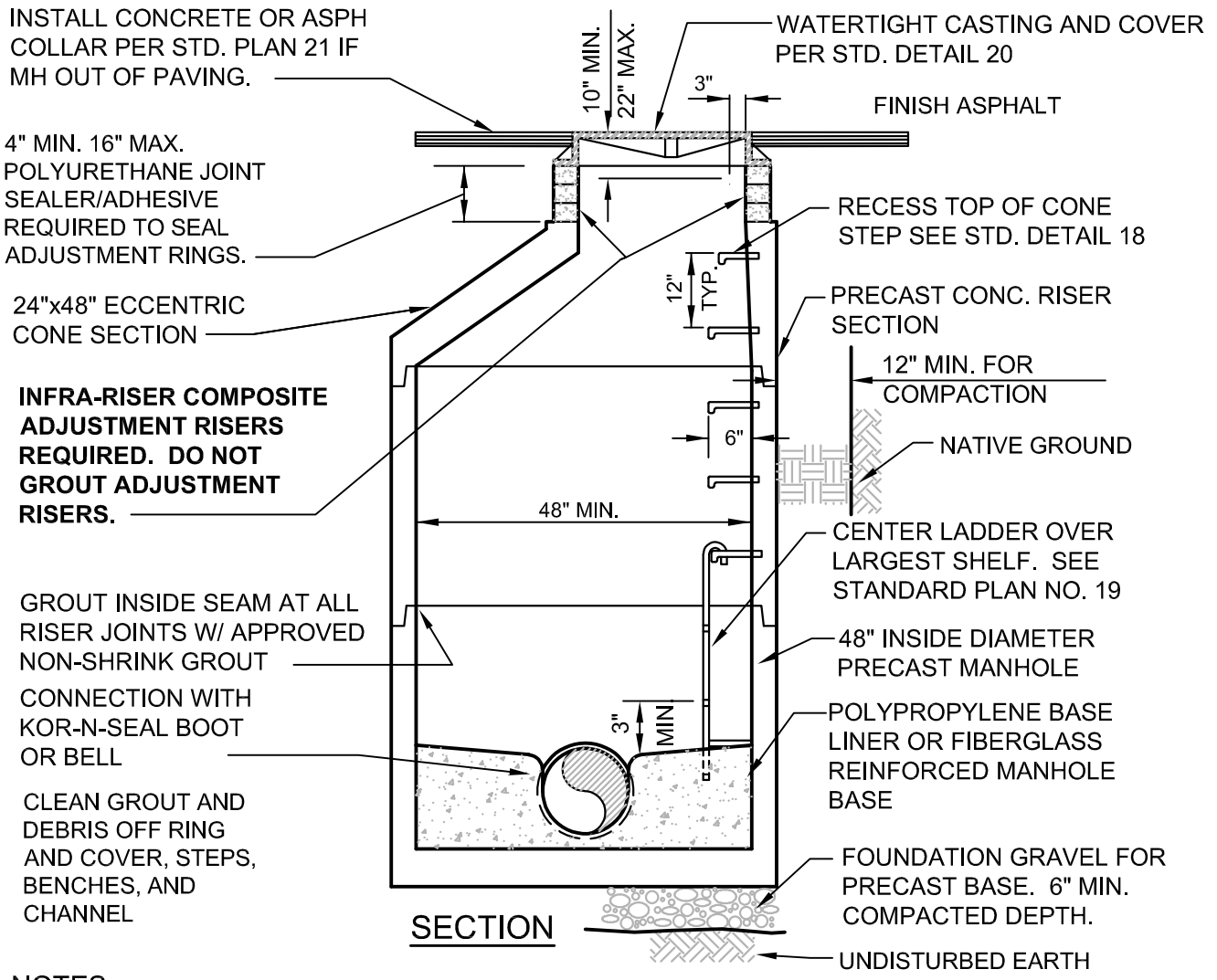


SECTION

NOTES:

1. NOTIFY THE DISTRICT AT LEAST 7 DAYS IN ADVANCE AND MAKE THE NECESSARY ARRANGEMENTS WITH THE WATER DISTRICT INSPECTOR FOR CONNECTION TO THE EXISTING MANHOLE.
2. CONTRACTOR SHALL SUBMIT A BYPASS PLAN FOR EXISTING FLOWS WHILE WORKING IN THE EXISTING MANHOLE UNLESS DEEMED UNNECESSARY BY THE DISTRICT.
3. ROTATE CONE AND INSTALL NEW LADDER PER STANDARD DETAIL 18 IF EXISTING LADDER IS WITHIN 6" OF THE EDGE OF ANY CHANNEL.
4. CORE EXISTING MH AND USE KOR-N-SEAL CONNECTION, UNLESS KNOCKOUTS EXIST ON THE BASE SECTION. IN THIS CASE, CORE STILL REQUIRED AND GPK SAND COLLAR SHALL BE USED INSTEAD OF THE KOR-N-SEAL BOOT.
5. CONNECTIONS INTO AN EXISTING FIBERGLASS BASE, CONTRACTOR SHALL REPLACE THE BASE SECTION OR HAVE THE CHANNEL RE-GLASSED BY A CERTIFIED SERVICE TECHNICIAN TO ACCOMMODATE THE NEW CONNECTION.

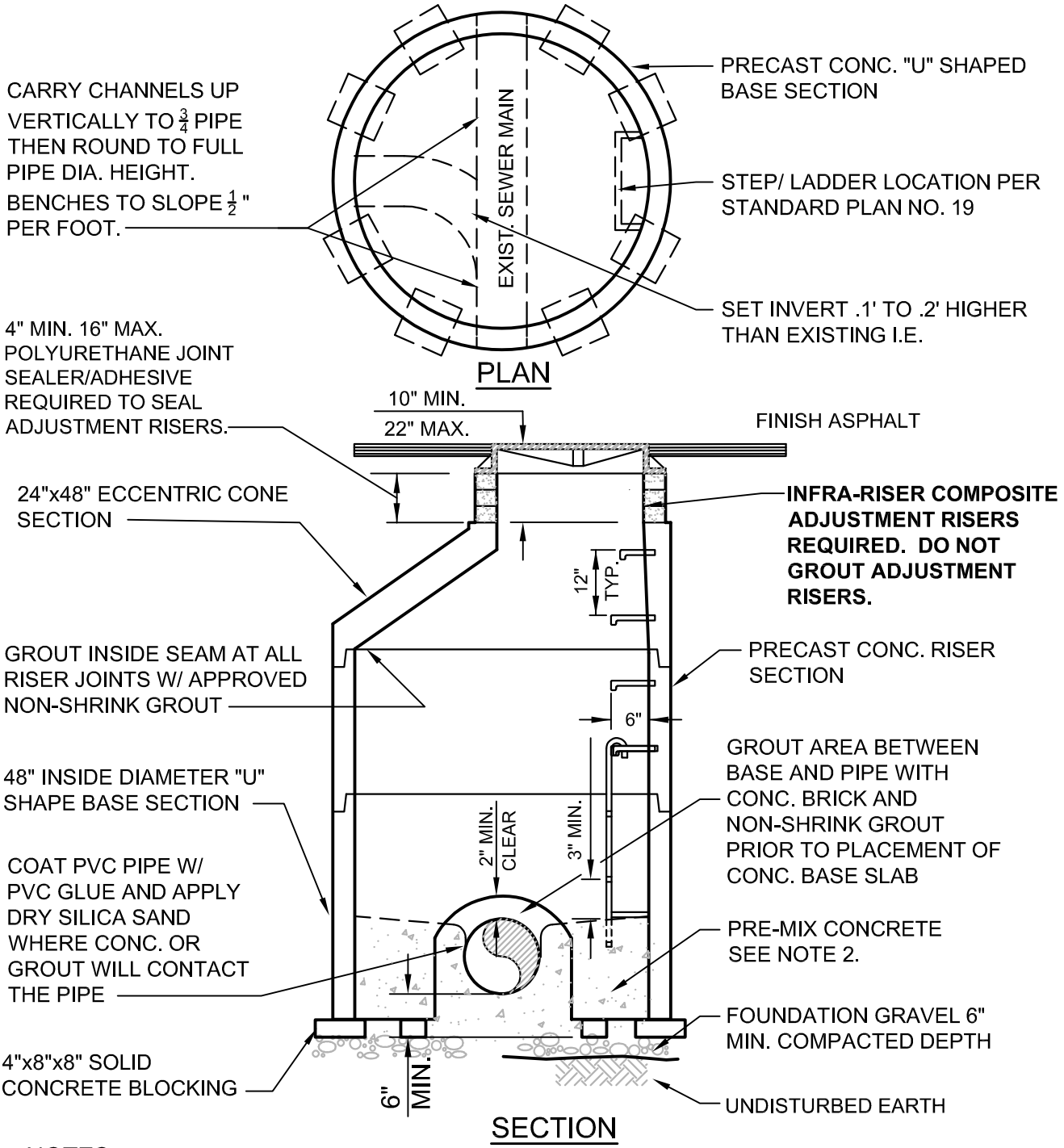
Woodinville Water District	CONNECTION TO EXISTING MH	CHRISTIAN R. HOFFMAN STATE OF WASHINGTON 42295 REGISTERED PROFESSIONAL ENGINEER EXPIRES: 11/21/2026	SEWER STD. PLAN NO. 1 REVISION DATE 04/25



NOTES:

1. MANHOLES SHALL BE WATERTIGHT IN AREAS OF HIGH GROUND WATER. RISER SEAMS, PICK HOLES AND ADJUSTMENT RINGS (MH NECK) SHALL BE SEALED FROM THE OUTSIDE WITH EXTERNAL JOINT WRAP, AFTER GROUTING AND PRIOR TO BACKFILL.
2. MANHOLE COVER TO CONFORM TO FINISH SLOPE ELEVATION. SLOPE ASPHALT PAD AWAY FROM COVER TO PREVENT PONDING.
3. EXCAVATE BEYOND MH LOCATION TO PROVIDE CLEARANCE FOR COMPACTION EQUIPMENT.
4. PIPE PENETRATIONS IN MH'S SHALL BE CORED. MIN. FALL FROM INLET TO OUTLET - 0.1'. PROVIDE ADDITIONAL FALL FOR STEEPER RUNS. MATCH CROWN ELEV. OF SIDE SEWERS TO HIGHEST MAINLINE PENETRATION.
5. MAXIMUM PIPE SIZE LIMITED BY INLET AND OUTLET LOCATIONS INTO MANHOLE. SEE CONSTRUCTION PLANS FOR SIZE AND LOCATION.
6. 15" MAX. INLET SIZE ON 48" DIA. MANHOLES.
7. WHERE IDENTIFIED ON THE PLANS OR DIRECTED BY THE DISTRICT, MH WALLS SHALL BE COATED WITH EPOXYTEC CPP (SPRAYABLE) OR APPROVED EQUAL AS DETERMINED BY THE DISTRICT.
8. 2' HIGH (MAX.) CONE REQUIRED ON MH'S LESS THAN 8' FROM RIM TO INVERT.
9. MANHOLE BASES SHALL BE EITHER FIBERGLASS REINFORCED OR POLYPROPYLENE BASE LINER OR APPROVED EQUAL AS DETERMINED BY THE DISTRICT.

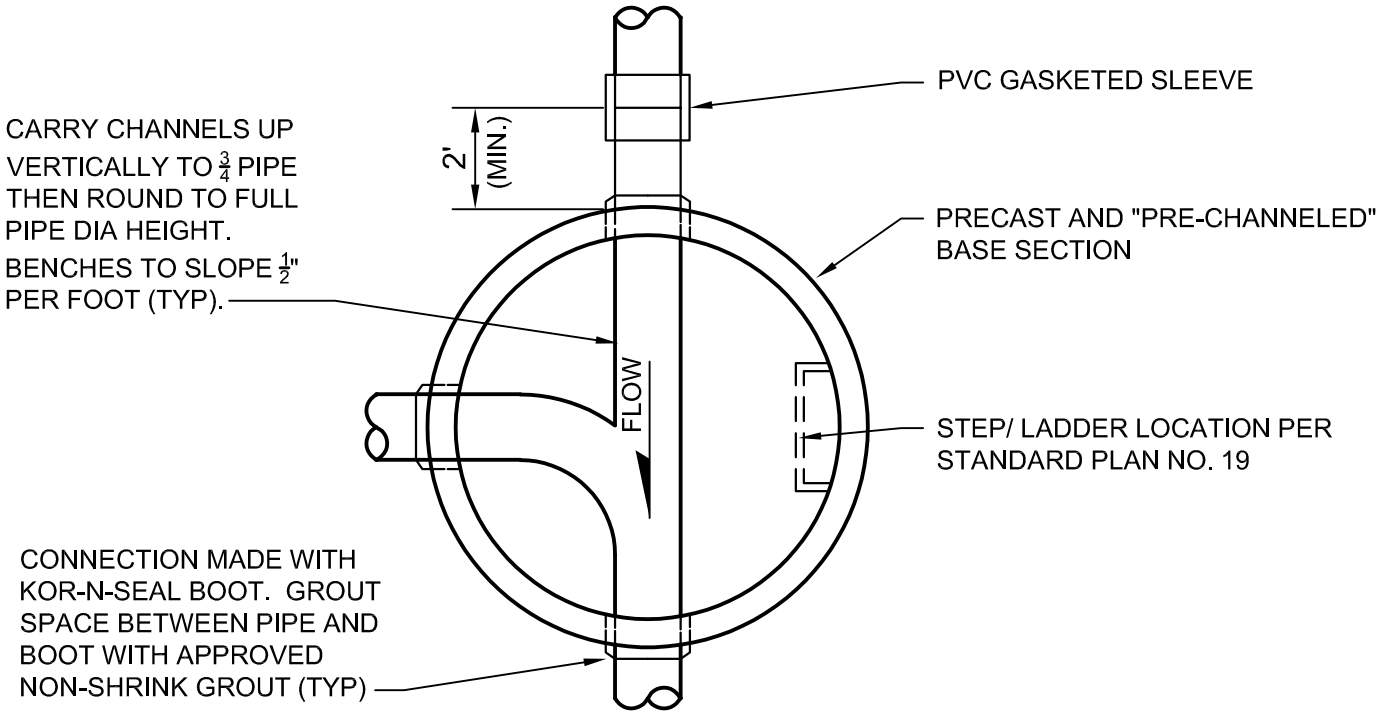
WOODINVILLE WATER DISTRICT — Woodinville Water District	STANDARD MANHOLE DETAILS	CHRISTIAN R. HOFFMAN, STATE OF WASHINGTON, 42295, REGISTERED PROFESSIONAL ENGINEER — EXPIRES: 11/21/2026	SEWER STD. PLAN NO. 2 REVISION DATE 04/25



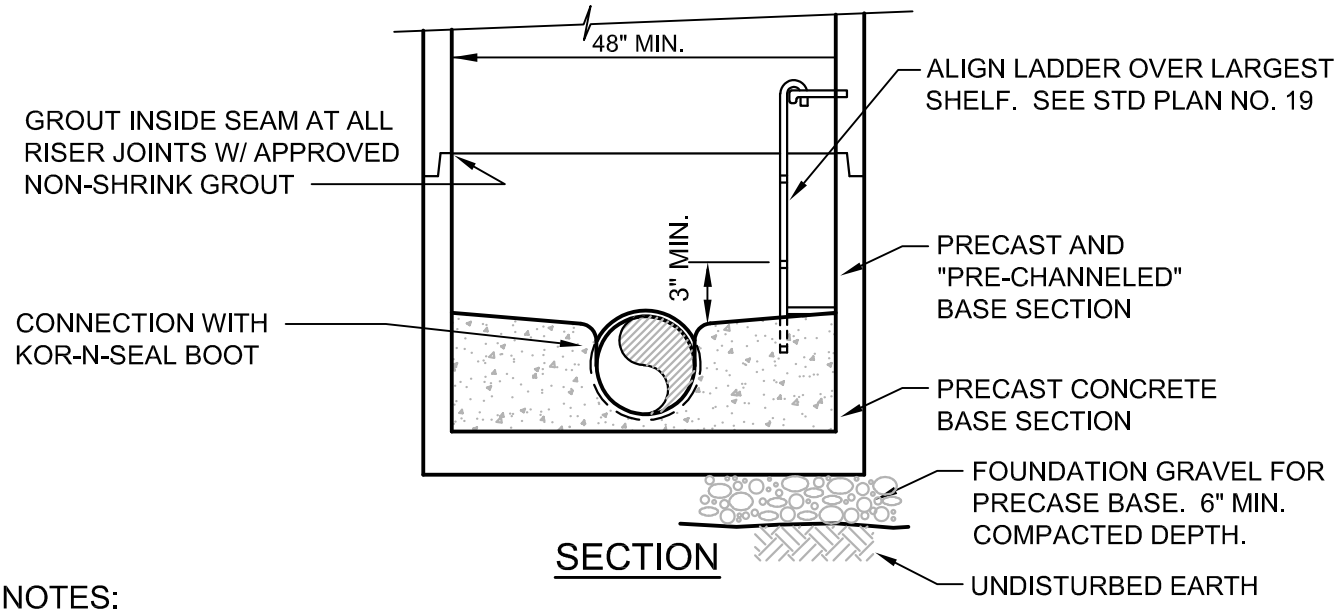
NOTES:

1. ALL APPLICABLE DETAILS & NOTES FROM STANDARD PLAN 2 (STANDARD MH DETAIL) APPLY TO SADDLE MH.
2. 3000 PSI PRE-MIX CONCRETE W/ AIR-ENTRAINMENT SHALL BE PLACED FROM 6" (MIN.) UNDER SEWER MAIN TO FINISH BENCH HEIGHT. CHANNELING SHALL BE COMPLETED AT TIME OF PLACEMENT. THIN OVERLAY OF GROUT IN CHANNELS NOT ALLOWED.
3. TOP OF PIPE NOT TO BE CUT OUT UNTIL AUTHORIZED BY THE DISTRICT.

Woodinville Water District	SADDLE MANHOLE DETAILS	CHRISTIAN R. HOFFMAN STATE OF WASHINGTON 42295 REGISTERED PROFESSIONAL ENGINEER EXPIRES: 11/21/2026	SEWER STD. PLAN NO. 3 REVISION DATE 04/25



PLAN

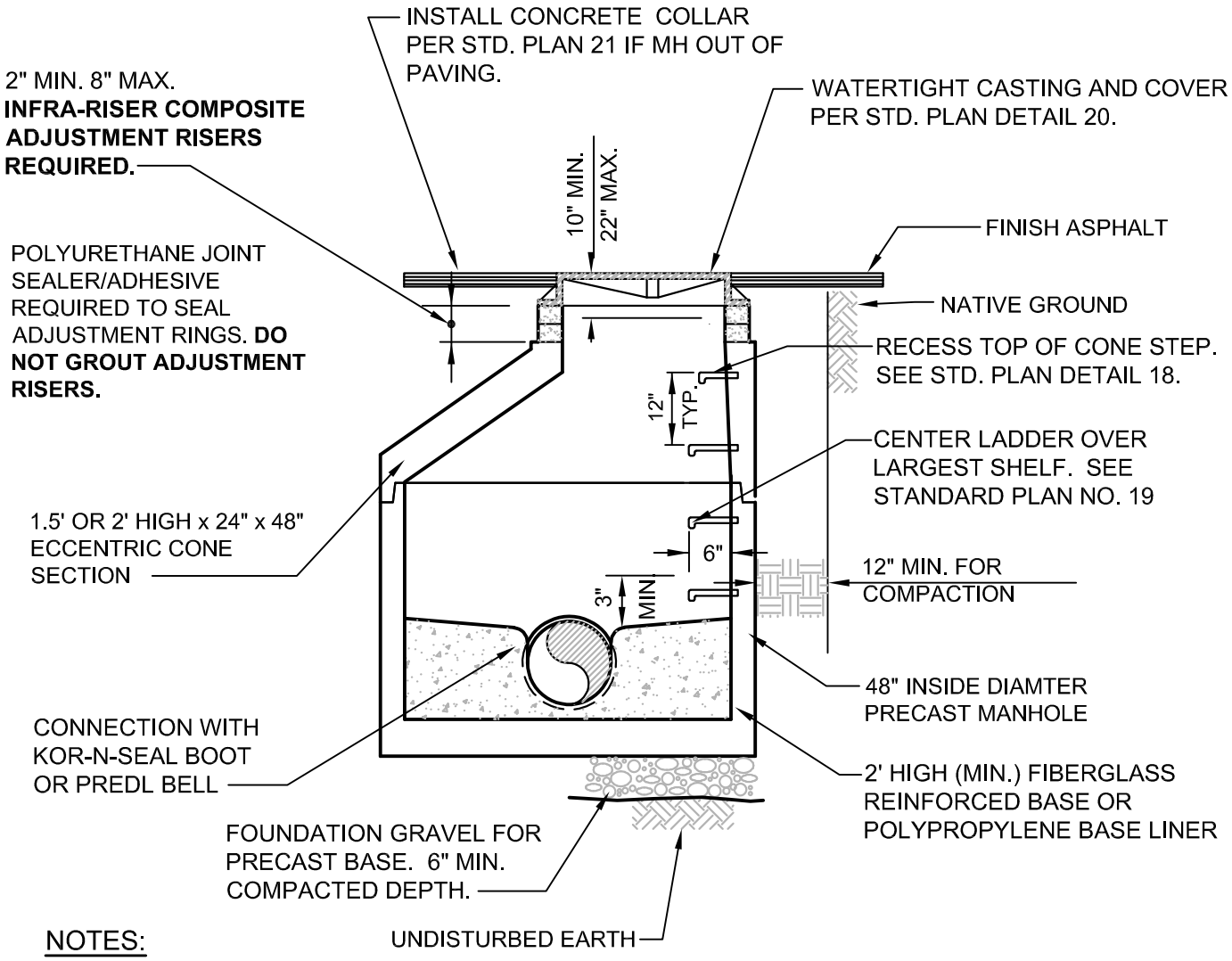


SECTION

NOTES:

1. ALTERNATIVE SADDLE MH NOT ALLOWED PER EXISTING SEWER MAINS UNDER 2% SLOPE.
2. ALL APPLICABLE DETAILS & NOTES FROM STANDARD PLAN NO. 2 (STANDARD PRECAST MH) APPLY TO SADDLE MH.
3. PRE-CAST BASE SECTION SHALL BE CORED AND CONNECTIONS MADE WITH KOR-N-SEAL BOOTS. THE BASE SHALL BE PROFESSIONALLY PRE-CHANNELED. SEE SPECIFICATIONS.
4. CONTRACTOR RESPONSIBLE TO MAINTAIN EXISTING SEWER FLOWS. BYPASS PLAN REQUIRED. FLOW SHALL BE BYPASSED UNTIL ALL GROUTING NECESSARY TO COMPLETE CHANNEL AND BOOT VOIDS HAS SUFFICIENTLY SET UP.

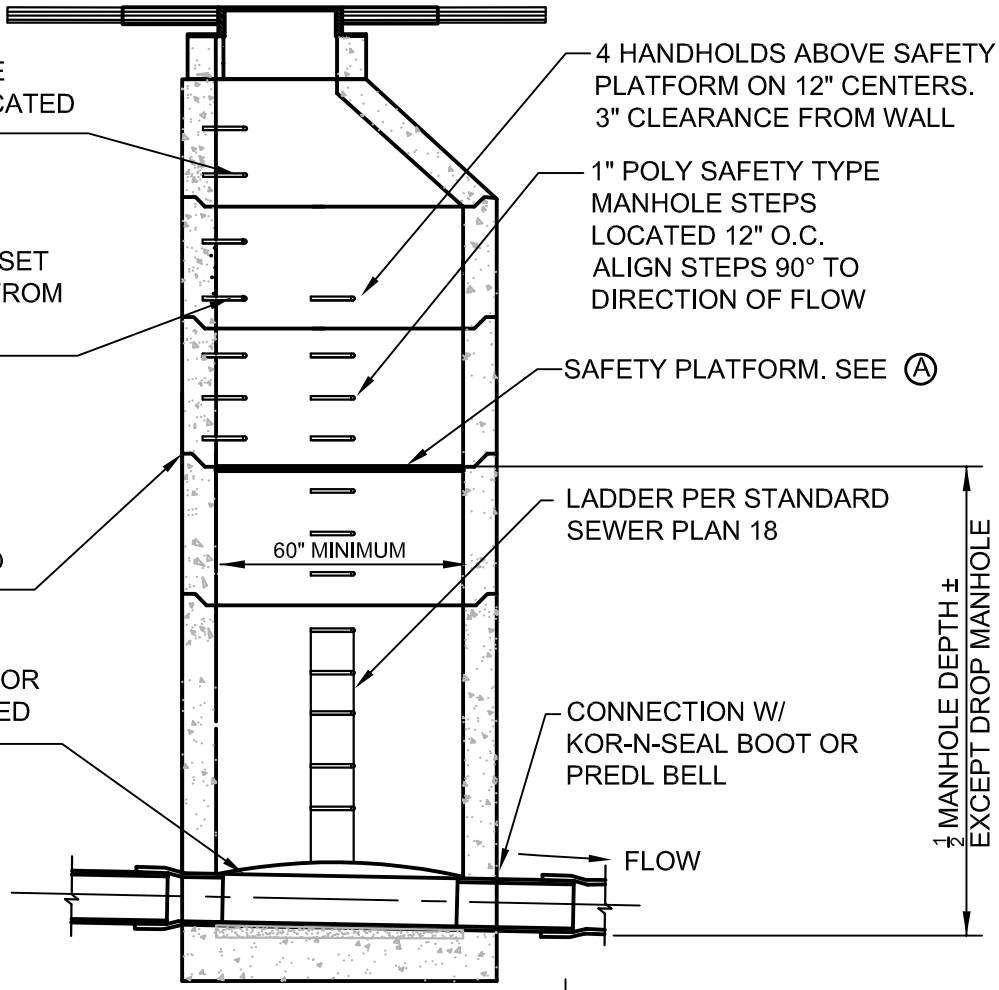
WOODINVILLE WATER DISTRICT — Woodinville Water District	ALTERNATIVE SADDLE MANHOLE DETAIL	CHRISTIAN R. HOFFMAN, STATE OF WASHINGTON, 42295, REGISTERED PROFESSIONAL ENGINEER, EXPIRES: 11/21/2026	SEWER STD. PLAN NO. 4 REVISION DATE 04/25



NOTES:

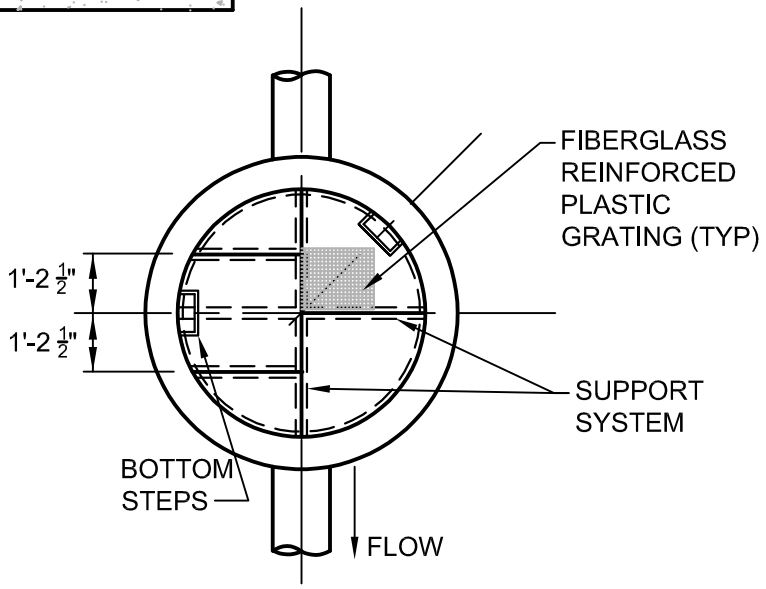
1. ***MINIMUM HEIGHT FOR SHALLOW MH 5'. DEVELOPER MUST HAVE SPECIFIC APPROVAL FROM THE DISTRICT FOR MH'S UNDER 5' (I.E. TO RIM).***
2. 1.5' OR 2' HIGH CONE SECTION TO BE USED. FLAT TOPS ARE ALLOWED ONLY WITH SPECIAL PERMISSION FROM THE DISTRICT. MAXIMUM THROAT ADJUSTMENT 8". THE APPROPRIATE HEIGHT BASE SECTION SHALL BE PROVIDED. DEVELOPER SHALL PROVIDE A SHOP DRAWING WITH DIMENSIONS OF MH SECTIONS AND CORED LOCATIONS.
3. EXTEND ENDS OF PIPE 1" INTO MANHOLE.
4. EXCAVATE BEYOND MH LOCATION TO PROVIDE CLEARANCE FOR COMPACTION.
5. PIPE PENETRATIONS IN MH'S SHALL BE CORED. MIN. FALL FROM INLET TO OUTLET- 0.1'. PROVIDE ADDITIONAL FALL FOR STEEPER RUNS. MATCH CROWN ELEV. OF SIDE SEWERS TO HIGHEST MAINLINE PENETRATION.
6. WHERE IDENTIFIED ON THE PLANS OR DIRECTED BY THE DISTRICT, MH WALLS SHALL BE COATED WITH EPOXYTEC CPP (SPRAYABLE) OR APPROVED EQUAL AS DETERMINED BY THE DISTRICT.
7. ALL APPLICABLE DETAILS AND NOTES FROM STANDARD PLAN 2 (STANDARD PRECAST MH) APPLY TO SHALLOW MANHOLE.

WOODINVILLE WATER DISTRICT — Woodinville Water District	SHALLOW MANHOLE	CHRISTIAN R. HOFFMAN, STATE OF WASHINGTON, 42295, REGISTERED PROFESSIONAL ENGINEER, EXPIRES: 11/21/2026	SEWER STD. PLAN NO. 5 REVISION DATE 04/25



NOTES:

1. ALL APPLICABLE DETAILS FROM SEWER STANDARD PLAN 2 APPLY TO DEEP MH INSTALLATIONS
2. MAXIMUM LENGTH OF SAFETY PLATFORM PANELS SHALL BE 36".
3. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR GRATING, PANEL LAYOUT AND SUPPORT SYSTEM APPROVAL PRIOR TO FABRICATION.
4. COMPLY WITH ALL STATE, FEDERAL AND LOCAL REGULATIONS REGARDING SAFETY AND INSTALLATION.
5. INSIDE OF STRUCTURE SHALL BE COATED WITH EPOXYTEC CPP (SPRAYABLE)



Ⓐ SUGGESTED GRATING PANEL LAYOUT FOR SAFETY PLATFORM

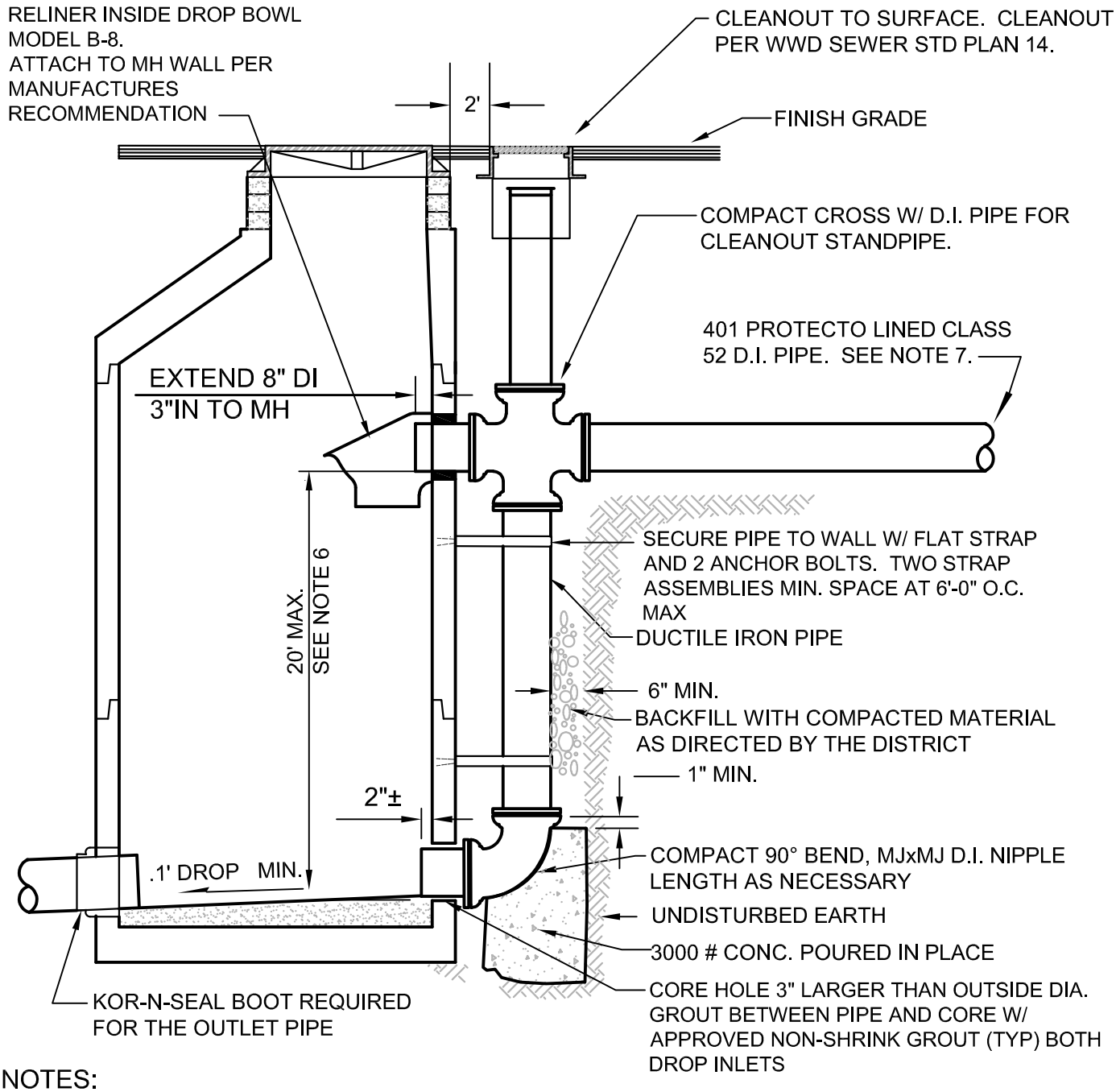
Woodinville Water District

DEEP MANHOLE DETAIL DEPTHS GREATER THAN 20'

CHRISTIAN R. HOFFMAN STATE OF WASHINGTON 42295 REGISTERED PROFESSIONAL ENGINEER
EXPIRES: 11/21/2026

SEWER STD. PLAN NO. 5A

REVISION DATE 04/25

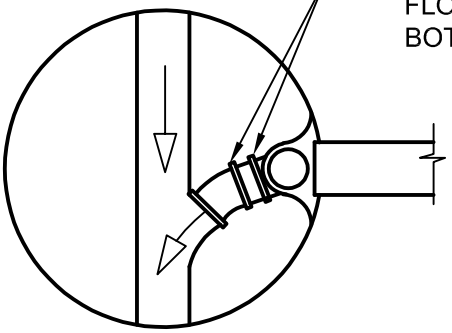


NOTES:

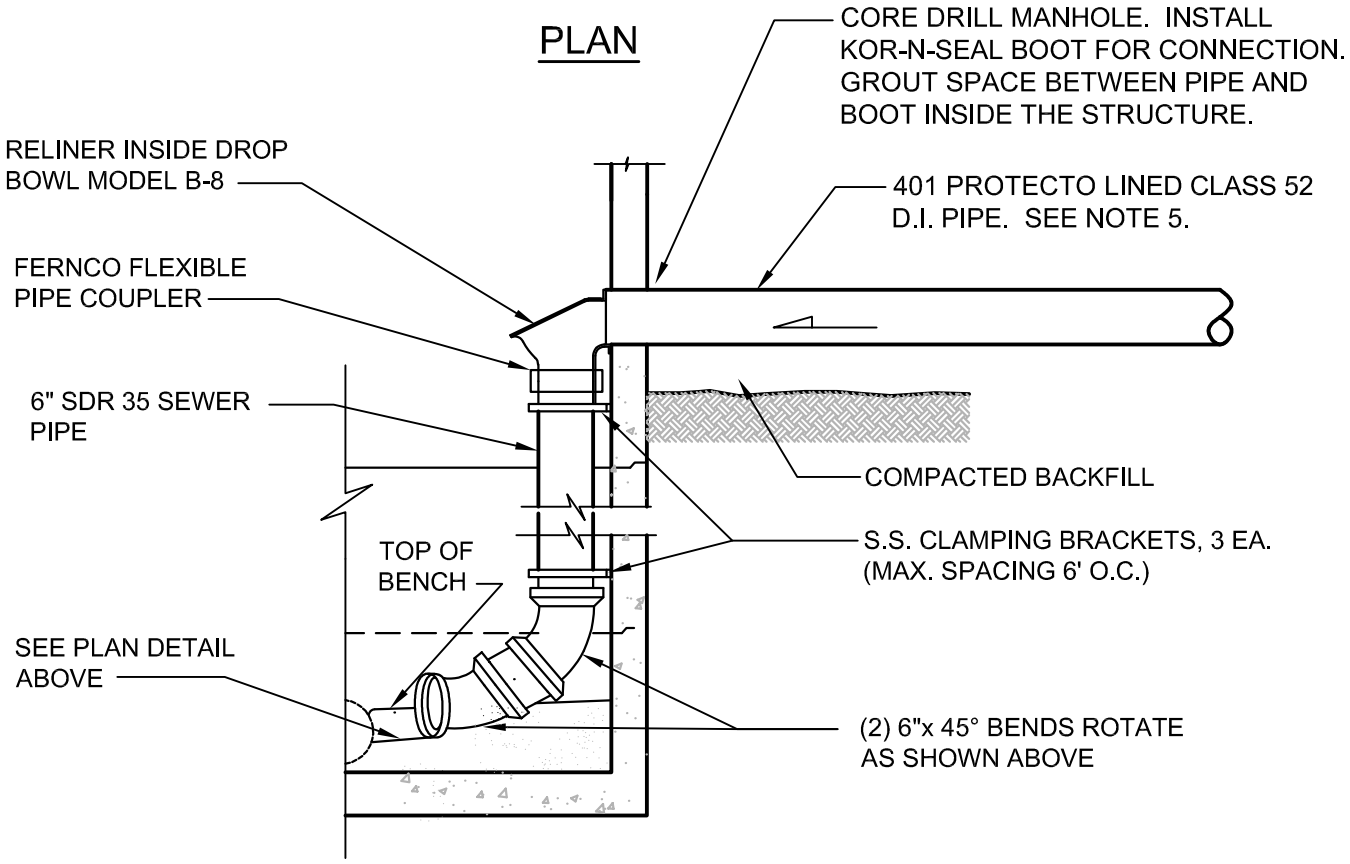
1. ALL APPLICABLE DETAILS FROM STANDARD PLAN NO. 2 APPLY TO DROP MANHOLE
2. WHEN POSSIBLE, LOCATE STEPS AND LADDER APPROX. 1' FROM DROP INLETS.
3. ALL MJ JOINTS SHALL BE MEG-A-LUG OR EQUAL.
4. CORED HOLE FOR DROP SHALL BE A MINIMUM OF 6" (EDGE TO EDGE) FROM A RISER SEAM.
5. DETAIL FOR 8" DIAMETER ONLY. OTHER SIZES BY DISTRICT APPROVAL ONLY.
6. MANHOLES DEEPER THAN 20' SHALL BE CONSTRUCTED PER THE REQUIREMENTS FOR DEEP MANHOLE STANDARD PLAN 5A. SUBMITTAL SKETCH OF PLATFORM AND DROP LOCATION REQUIRED.
7. 401 PROTECTO LINED CLASS 52 DUCTILE IRON PIPE SHALL BE INSTALLED FROM THE DROP LOCATION TO THE NEXT UPSTREAM MANHOLE.

WOODINVILLE WATER DISTRICT	Woodinville Water District	8" OUTSIDE DROP MANHOLE INSTALLATION	CHRISTIAN R. HOFFMAN STATE OF WASHINGTON 42295 REGISTERED PROFESSIONAL ENGINEER EXPIRES: 11/21/2026
			SEWER STD. PLAN NO. 6
			REVISION DATE 04/25

RE-CHANNEL BOTTOM TO ALLOW ROOM TO INSTALL VERT BENDS AND SWEEP FLOW LINE INTO MAIN CHANNEL JUST BELOW SPRING-LINE OF EXIST CHANNEL. GROUT LOWER 45 BEND TO PREVENT MOVEMENT.



PLAN



PROFILE

NOTES:

1. INSIDE DROP ALLOWED ONLY WITH SPECIFIC APPROVAL FROM THE DISTRICT.
2. 8" MAX. SIZE INLET. DEPENDING ON FLOWS THE DROP PIPE DROP AND BENDS MAY HAVE TO BE UPSIZED TO 8".
3. RELINER INSIDE DROP BOWL AND CLAMPING BRACKETS AS MANUFACTURED BY RELINER/DURAN INC. (860)434-0277.
4. MIN. SIZE MH FOR INSIDE DROP IS 60".
5. 401 PROTECTO LINED CLASS 52 DUCTILE IRON PIPE TO BE INSTALLED FROM DROP LOCATION TO THE NEXT UPSTREAM MANHOLE.

Woodinville Water District	INSIDE DROP DETAIL	CHRISTIAN R. HOFFMAN STATE OF WASHINGTON 42295 REGISTERED PROFESSIONAL ENGINEER EXPIRES: 11/21/2026	SEWER STD. PLAN NO. 7 REVISION DATE 04/25

SURFACE RESTORATION IN ACCORDANCE WITH LOCAL JURISDICTIONAL REQUIREMENTS. MINIMUM REQUIREMENTS SHOWN IN TRENCH PAVEMENT & SURFACE RESTORATION DETAIL NO. 10.

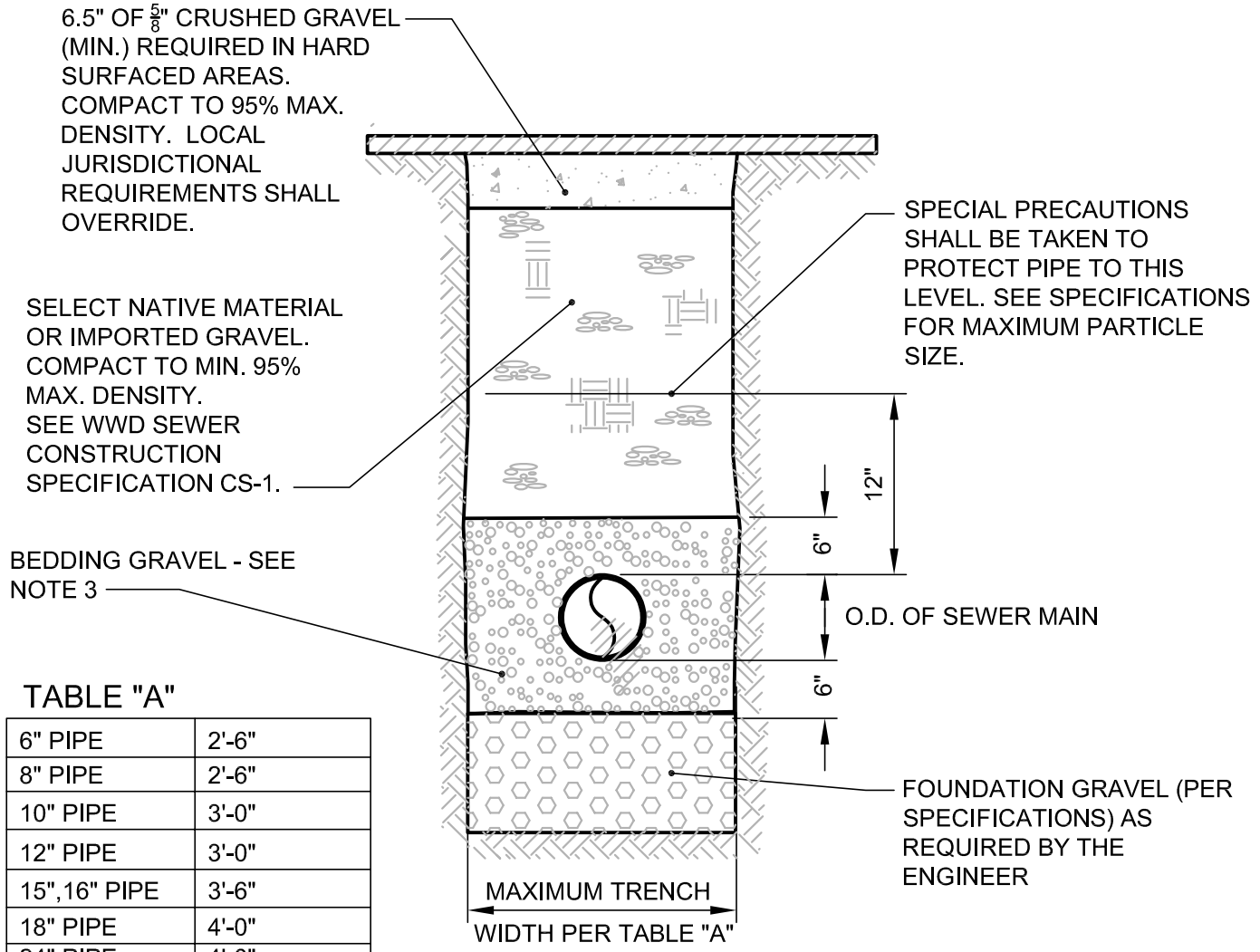


TABLE "A"

6" PIPE	2'-6"
8" PIPE	2'-6"
10" PIPE	3'-0"
12" PIPE	3'-0"
15",16" PIPE	3'-6"
18" PIPE	4'-0"
24" PIPE	4'-0"

TRENCH SECTION

NOTES:

1. LOCAL JURISDICTION REQUIREMENTS OVERRIDE ALL APPLICABLE SECTION OF THIS DETAIL. WHEN WORKING IN A STREET RIGHT OF WAY REFER TO ALL LOCAL JURISDICTIONAL REQUIREMENT FOR TRENCH EXCAVATION AND BACKFILL.
2. FILL AREAS SHALL BE FILLED AND COMPACTED PRIOR TO INSTALLATION OF WATER MAINS. 95% COMPACTION PER ASTM D-1557 REQUIRED IN FILL AREAS. REPORTS REQUIRED PRIOR TO TRENCHING.
3. BEDDING SHALL BE PEA GRAVEL OR 5/8" MINUS CRUSHED SURFACING. TRENCH DAMS (PER THE STANDARD PLANS) SHALL BE INSTALLED IN WET AREAS AS DIRECTED BY THE ENGINEER.
4. PUMPING SOILS SHALL BE REMOVED FROM THE TRENCH BACKFILL IMMEDIATELY.
5. USE OF NATIVE SOILS FOR BACKFILL REQUIRES PROCTOR SAMPLES BE TAKEN PRIOR TO EXCAVATION AND RECOMPACTED OR REPLACED UNTIL PASSING TEST RESULTS ARE OBTAINED.

Woodinville Water District

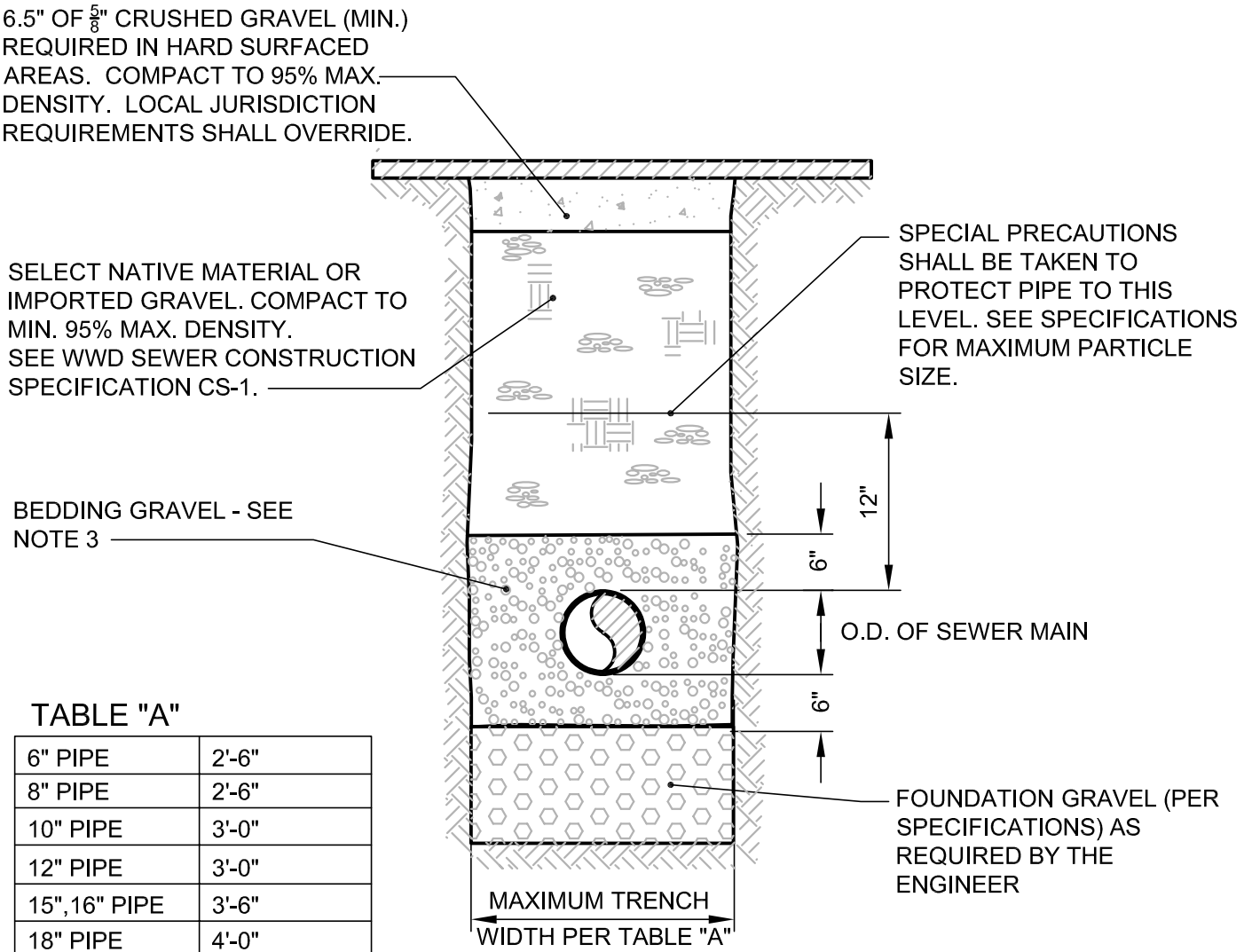
TYPICAL LONGITUDINAL TRENCH SECTION

CHRISTIAN R. HOFFMAN STATE OF WASHINGTON 42295 REGISTERED PROFESSIONAL ENGINEER
EXPIRES: 11/21/2026

SEWER STD. PLAN NO. 8

REVISION DATE 04/25

SURFACE RESTORATION IN ACCORDANCE WITH LOCAL JURISDICTIONAL REQUIREMENTS. MINIMUM REQUIREMENTS SHOWN IN TRENCH PAVEMENT & SURFACE RESTORATION DETAIL NO. 10.



TRENCH SECTION

TABLE "A"

6" PIPE	2'-6"
8" PIPE	2'-6"
10" PIPE	3'-0"
12" PIPE	3'-0"
15",16" PIPE	3'-6"
18" PIPE	4'-0"
24" PIPE	4'-0"

NOTES:

1. LOCAL JURISDICTIONAL REQUIREMENTS OVERRIDE ALL APPLICABLE SECTIONS OF THIS DETAIL. WHEN WORKING IN A STREET RIGHT OF WAY REFER TO ALL LOCAL JURISDICTIONAL REQUIREMENTS FOR TRENCH EXCAVATION AND BACKFILL.
2. FILL AREAS SHALL BE FILLED AND COMPACTED PRIOR TO INSTALLATION OF WATER MAINS. 95% COMPACTION PER ASTM D-1557 REQUIRED IN FILL AREAS. REPORTS REQUIRED PRIOR TO TRENCHING.
3. BEDDING SHALL BE PEA GRAVEL OR 5/8" MINUS CRUSHED SURFACING. TRENCH DAMS (PER THE STANDARD PLANS) SHALL BE INSTALLED IN WET AREAS AS DIRECTED BY THE ENGINEER.
4. PUMPING SOILS SHALL BE REMOVED FROM THE TRENCH BACKFILL IMMEDIATELY.

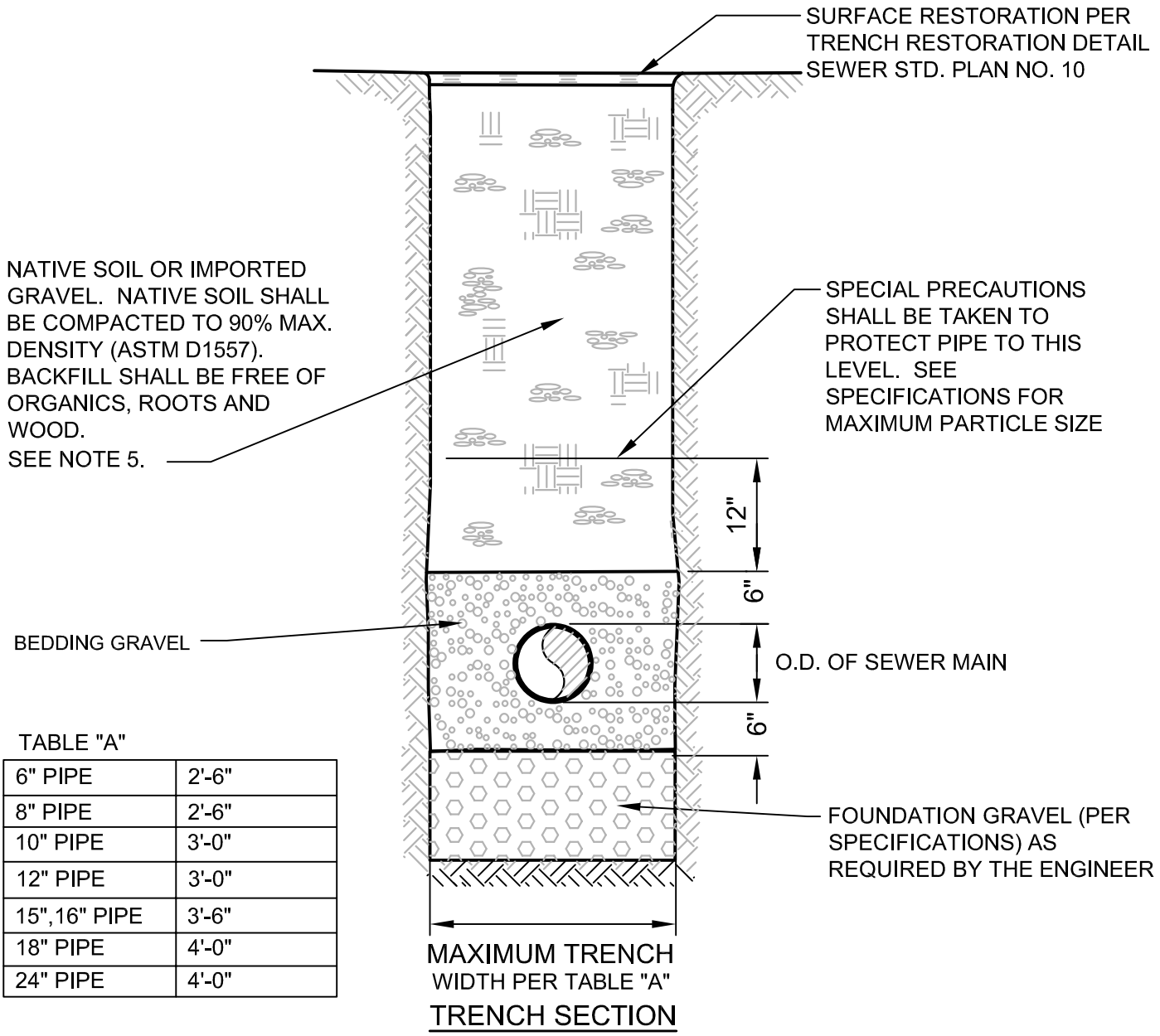
Woodinville Water District

TYPICAL TRANSVERSE TRENCH SECTION

CHRISTIAN R. HOFFMAN STATE OF WASHINGTON 42295 REGISTERED PROFESSIONAL ENGINEER
EXPIRES: 11/21/2026

SEWER STD. PLAN NO. 8A

REVISION DATE 04/25



TRENCH SECTION

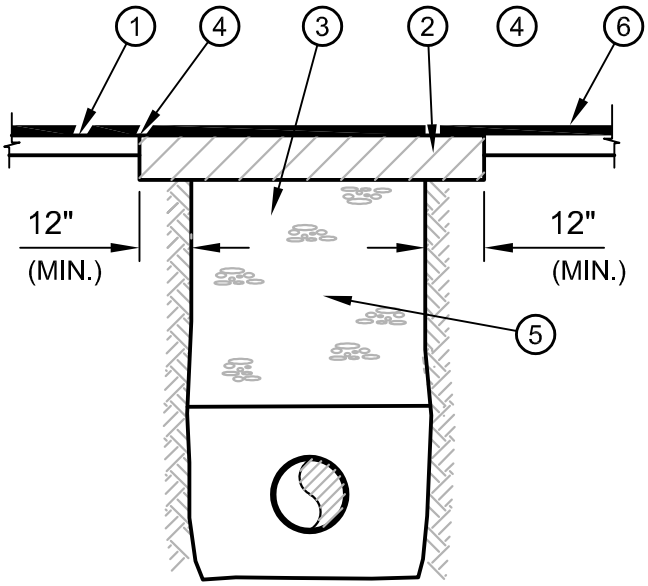
TABLE "A"

6" PIPE	2'-6"
8" PIPE	2'-6"
10" PIPE	3'-0"
12" PIPE	3'-0"
15",16" PIPE	3'-6"
18" PIPE	4'-0"
24" PIPE	4'-0"

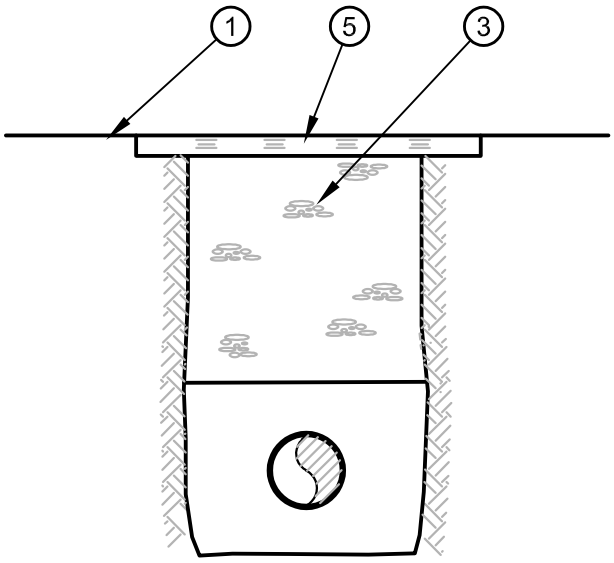
NOTES:

1. FILL AREAS SHALL BE FILLED AND COMPACTED PRIOR TO INSTALLATION OF SEWER MAINS. 90% COMPACTION PER ASTM D-1557 REQUIRED IN FILL AREAS. REPORTS REQUIRED PRIOR TO TRENCHING.
2. BEDDING SHALL BE PEA GRAVEL OR $\frac{5}{8}$" MINUS CRUSHED SURFACING.
3. TRENCH DAMS SHALL BE INSTALLED PER STD. PLAN NO. 11 IN WET AREAS AS DIRECTED BY THE ENGINEER.
4. PUMPING SOILS SHALL BE REMOVED FROM THE TRENCH BACKFILL IMMEDIATELY.
5. REFER TO STD. PLAN NO. 8 (TYP. TRENCH SECTION) IN RIGHTS OF WAY OR OTHER PAVED AREAS. IF EASEMENT FALLS WITHIN A FUTURE OR PROPOSED PAVED AREA.
6. EASEMENT AREAS THAT WILL BE FUTURE RIGHT OF WAYS OR PAVED AREAS COMPACT BACKFILL TO 95% OF MAX. DENSITY.

WOODINVILLE WATER DISTRICT — Woodinville Water District	TYPICAL TRENCH SECTION IN EASEMENT AREAS	CHRISTIAN R. HOFFMAN, STATE OF WASHINGTON, 42295, REGISTERED PROFESSIONAL ENGINEER — EXPIRES: 11/21/2026	SEWER STD. PLAN NO. 9 REVISION DATE 04/25



ASPHALT/CONCRETE
PAVING RESTORATION



SHOULDER AND
EASEMENT RESTORATION

(1) EXISTING SURFACE

(2) PERMANENT PATCH - MATCH EXISTING DEPTH (3" MIN.) DEPTH CLASS $\frac{1}{2}$" PG 64-22 HOT MIX ASPHALT. JURISDICTIONAL REQUIREMENTS OVERRIDE. TEMPORARY PATCH - 2" MIN. DEPTH $\frac{1}{2}$" PG 64-11 HOT MIX ASPHALT ON 3" MIN. CRUSHED SURFACING.

(3) TRENCH BACKFILL OR CONTROL DENSITY FILL PER PER LOCAL JURISDICTIONAL REQUIREMENTS.

(4) NEAT LINE ACP CUT. TACK EDGES WITH EMULSIFIED ASPHALT. SEAM SEAL (UNLESS ROAD TO BE OVERLAYED PRIOR TO WINTER) WITH A NARROW APPLICATION OF AR4000.

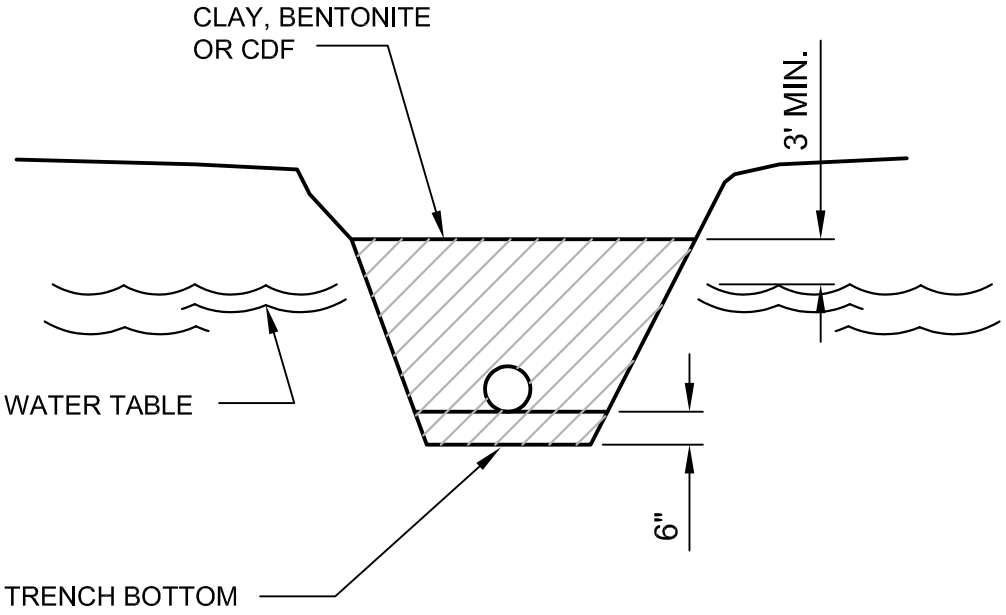
(5) RESTORE EXISTING SURFACE. TOP SOIL, CSTC (2" MIN.) OR AS NOTED ON THE PLANS.

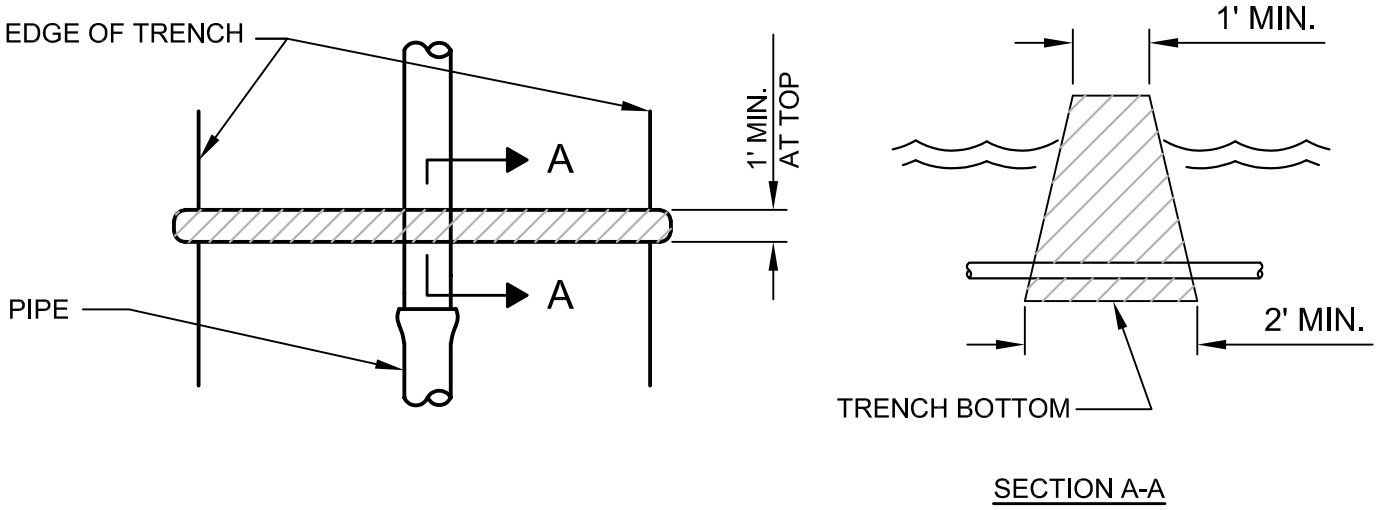
(6) 2" ASPHALT $\frac{1}{2}$" PG 64-22 HOT MIX ASPHALT OVERLAY FULL WIDTH OVERLAY, INCLUDING PAVED SHOULDERS, WHEN SPECIFIED ON THE PLANS OR REQUIRED BY THE JURISDICTIONAL AUTHORITY.

NOTES:

1. THESE STANDARDS ARE THE MINIMUM ALLOWABLE. LOCAL JURISDICTIONAL REQUIREMENTS SHALL OVERRIDE WHERE APPLICABLE.
2. SEE TYPICAL TRENCH SECTION DETAILS (STANDARD PLAN NO 8 & 8A.)
3. DAILY TEMPORARY TRENCH PATCH REQUIRED IF PERMANENT PATCHING NOT IN PLACE. CONTRACTOR SHALL BE AWARE "T" IS REQUIRED SO PERMANENT PATCH RESIDES ON 12" OF UNDISTURBED MATERIAL. PERMANENT PATCH SHALL BE INSTALLED W/ IN 30 DAYS OF EXCAVATION. "T" CUT SHALL NOT BE PERFORMED UNTIL TRENCH IS BACKFILLED.

WOODINVILLE WATER DISTRICT Woodinville Water District	TRENCH RESTORATION	CHRISTIAN R. HOFFMAN STATE OF WASHINGTON 42295 REGISTERED PROFESSIONAL ENGINEER EXPIRES: 11/21/2026	SEWER STD. PLAN NO. 10 REVISION DATE 04/25



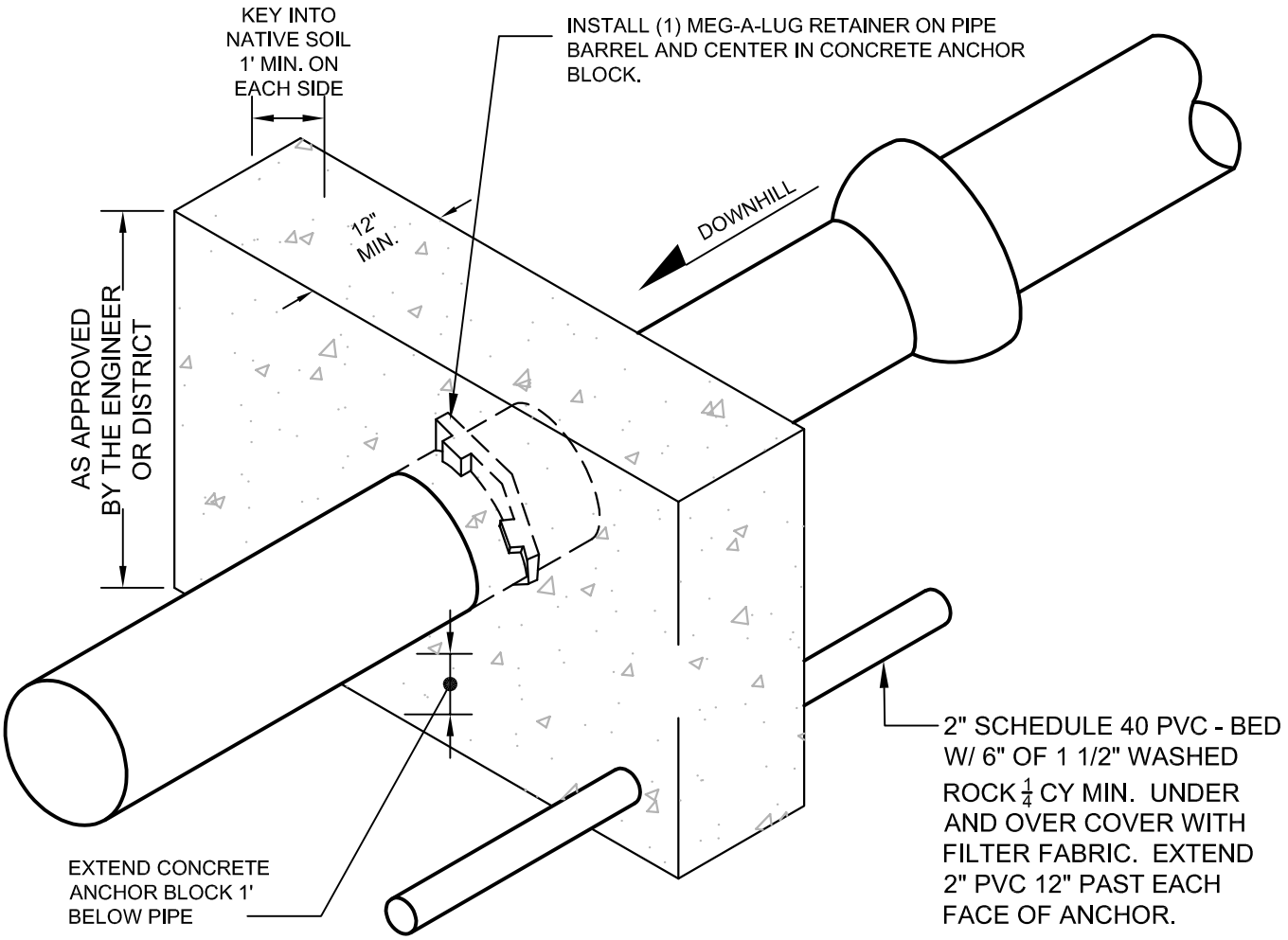


SECTION A-A

NOTES:

1. INSTALL IN HIGH GROUND WATER AREAS, ADJACENT TO WETLANDS AND STREAM CROSSINGS OR AS DIRECTED.
2. ELEVATION AT TOP OF TRENCH DAM TO VARY BASED ON WATER TABLE AS DIRECTED BY THE ENGINEER.

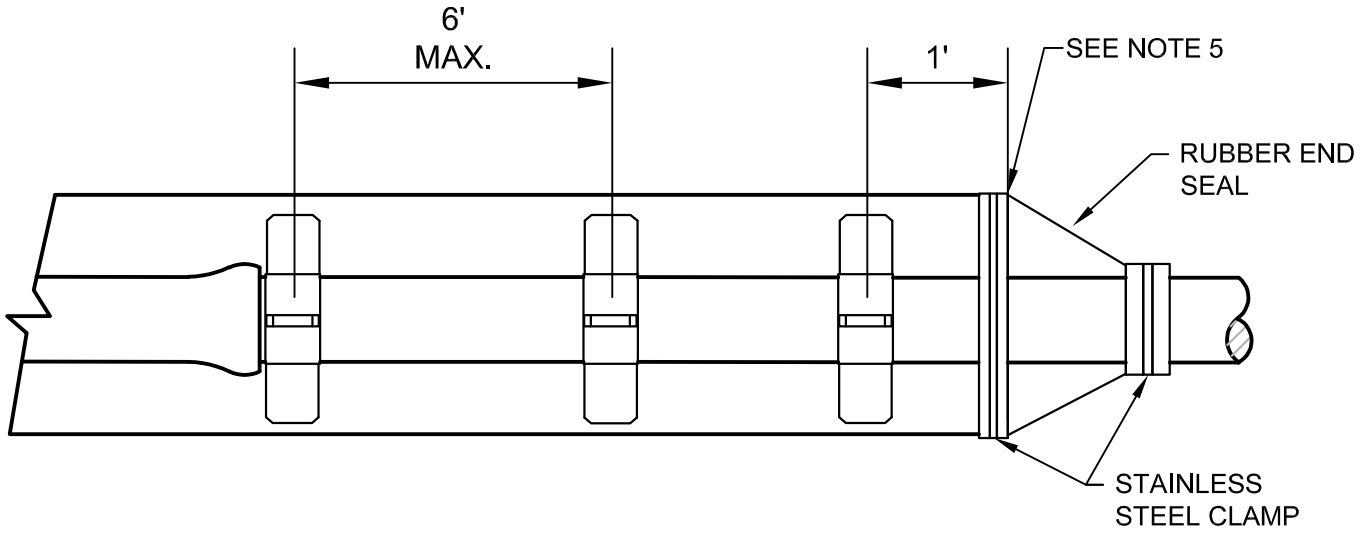
Woodinville Water District	TRENCH DAMS	CHRISTIAN R. HOFFMAN, STATE OF WASHINGTON, 42295, REGISTERED PROFESSIONAL ENGINEER, EXPIRES: 11/21/2026	SEWER STD. PLAN NO. 11 REVISION DATE 04/25

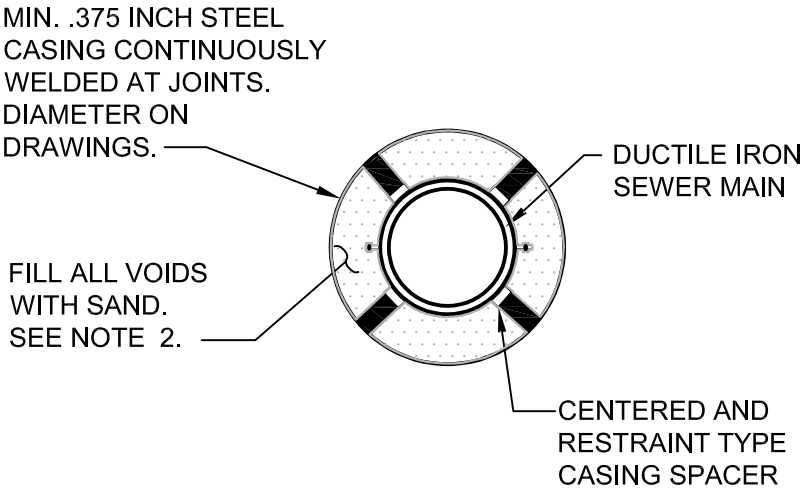


NOTES:

1. HILLHOLDER PIPE ANCHORS REQUIRED ON SLOPES MORE THAN 20%.
2. SPACING AS APPROVED BY THE DISTRICT'S ENGINEER.
3. DUCTILE IRON PIPE REQUIRED ON SLOPES OVER 20%.
4. LOCATE PIPE ANCHOR / SLOPE RETAINER ON DOWN HILL SIDE OF PIPE BELL WHEN PRACTICAL.

Woodinville Water District	CONCRETE ANCHOR FOR SEWER MAINS IN STEEP SLOPES	CHRISTIAN R. HOFFMAN, STATE OF WASHINGTON, 42295, REGISTERED PROFESSIONAL ENGINEER, EXPIRES: 11/21/2026	SEWER STD. PLAN NO. 12 REVISION DATE 04/25





MIN. CASING DIAMETER	
PIPE DIA.	CASING DIA.
6"	12"
8"	15"
10"	18"
12"	20"
15"	24"
>15"	AS SPECIFIED

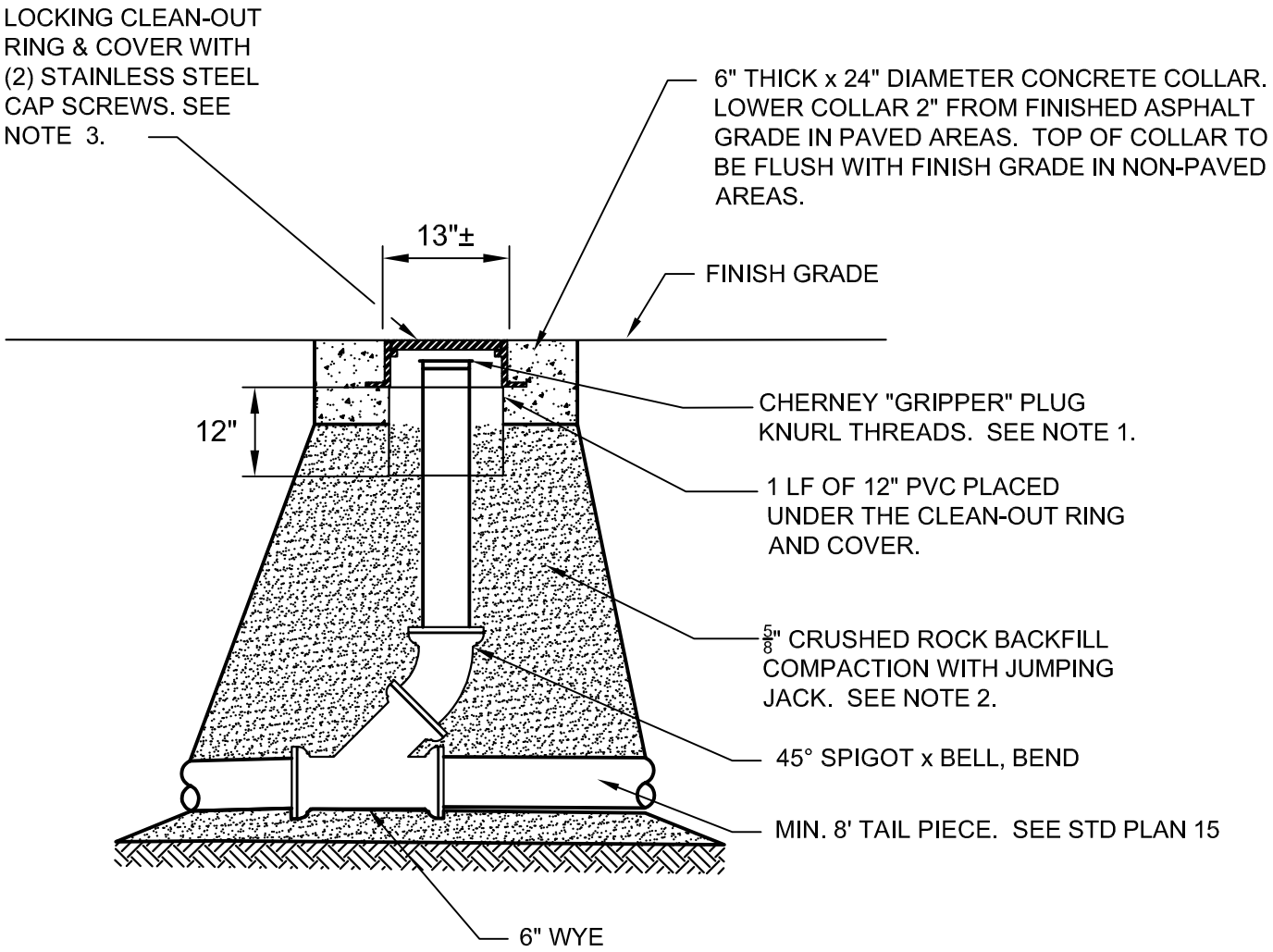
NOTES:

1. PVC PIPE NOT ALLOWED IN CASING. RESTRAINED JOINT DUCTILE IRON CL 52 REQUIRED.
2. THE INTERSTITIAL SPACE BETWEEN THE PIPE AND CASING SHALL BE COMPLETELY FILLED WITH DRY SAND AFTER AIR TESTING AND VIDEO RECORDING HAVE PASSED. METHOD OF FILLING SAND SHALL BE APPROVED BY THE DISTRICT.
3. NO PONDING ALLOWANCES ALLOWED IN SEWER MAINLINE THROUGH A CASING.
4. CASING LOCATIONS SHALL BE AS SHOWN ON THE PLANS OR IDENTIFIED IN THE FIELD. MAINLINE OR SIDE SEWERS UNDER RETAINING WALLS OR OTHER HEAVY STRUCTURES SHALL HAVE A CASING DESIGNED BY THE ENGINEER.
5. MAXIMUM SPACING BETWEEN CASING SPACERS IS 6' O.C. END CASING SPACER MAX. 1' FROM END OF CASING PIPE.
6. CASING SPACER SHALL BE CENTERED RESTRAINT TYPE.
7. CASING SPACERS SHALL BE MANUFACTURED BY ADVANCED PRODUCTS & SYSTEMS MODEL SSI, CASCADE WATERWORKS MFG. MODEL CCS, OR DISTRICT APPROVED EQUAL.
8. ONE CASING SPACER SHALL BE SET ON THE SPIGOT END OF EACH SEGMENT OF THE CARRIER PIPE. WHEN JOINT IS COMPLETE THE SPACER SHALL BE IN CONTACT WITH THE BELL OF THE JOINT.

WOODINVILLE WATER DISTRICT	Woodinville Water District	CASING DETAILS AND REQUIREMENTS	CHRISTIAN R. HOFFMAN, STATE OF WASHINGTON, 42295, REGISTERED PROFESSIONAL ENGINEER, EXPIRES: 11/21/2026

SEWER STD. PLAN NO. 13

REVISION DATE 04/25

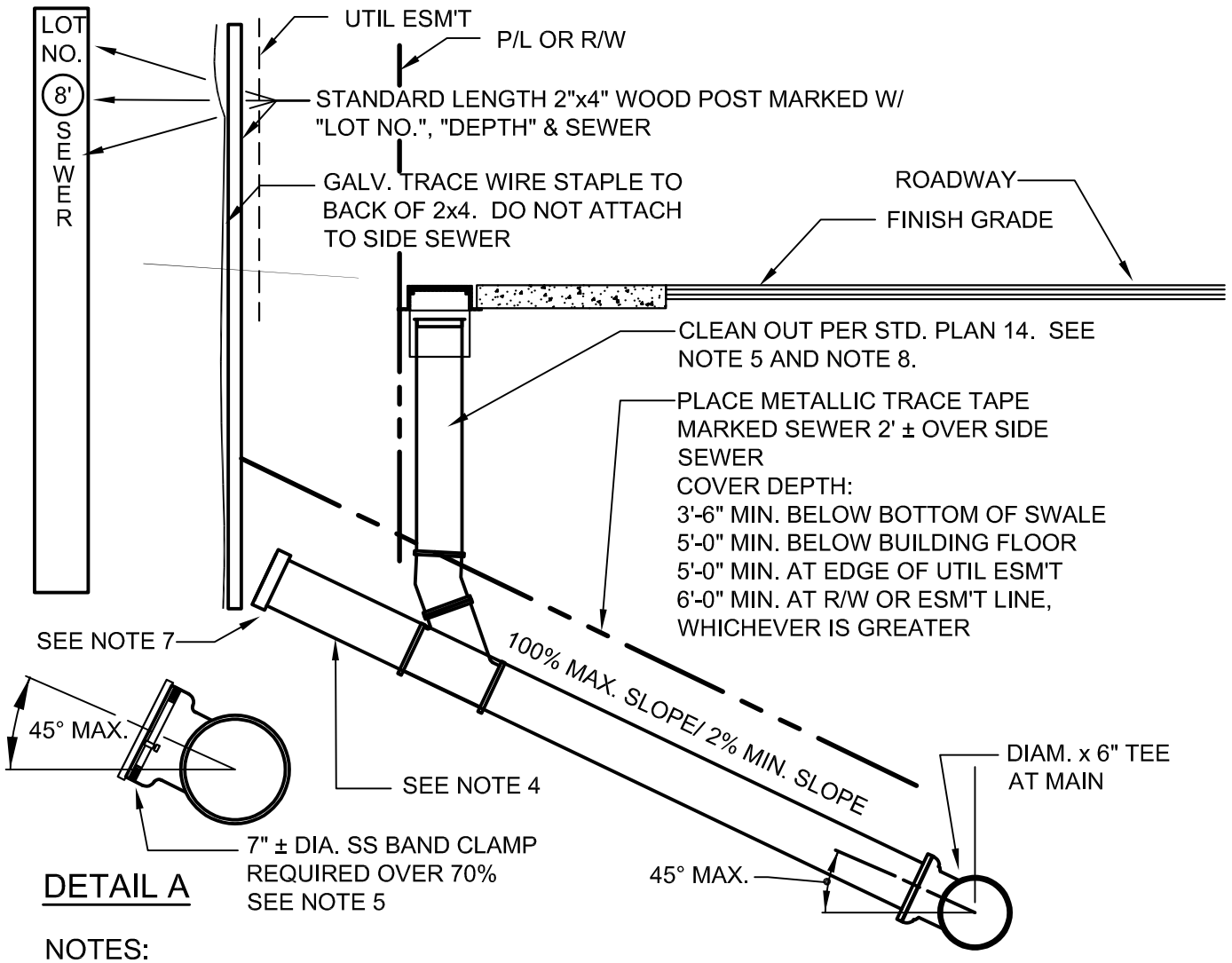


ELEVATION

NOTES:

1. CLEANOUT PIPING TO BE THE SAME SIZE AND MATERIAL AS THE SIDE SEWER (OR MAINLINE IF APPLICABLE).
2. TRENCH BACKFILL SHALL BE COMPACTED AND TESTED TO 95% OF MAX. DENSITY (ASTM D1557). JUMPING JACK OR PNEUMATIC TAMPER COMPACTION AROUND CLEANOUT PIPING.
3. LOCKING RING AND COVER TO BE EAST JORDAN IRON WORKS CO. PRODUCT NO 00366102 CATALOG NO. 3660CPT, 3661ZPT OR APPROVED EQUAL.

Woodinville Water District	SEWER CLEANOUT DETAIL	CHRISTIAN R. HOFFMAN STATE OF WASHINGTON 42295 REGISTERED PROFESSIONAL ENGINEER EXPIRES: 11/21/2026	SEWER STD. PLAN NO. 14 REVISION DATE 04/25



DETAIL A

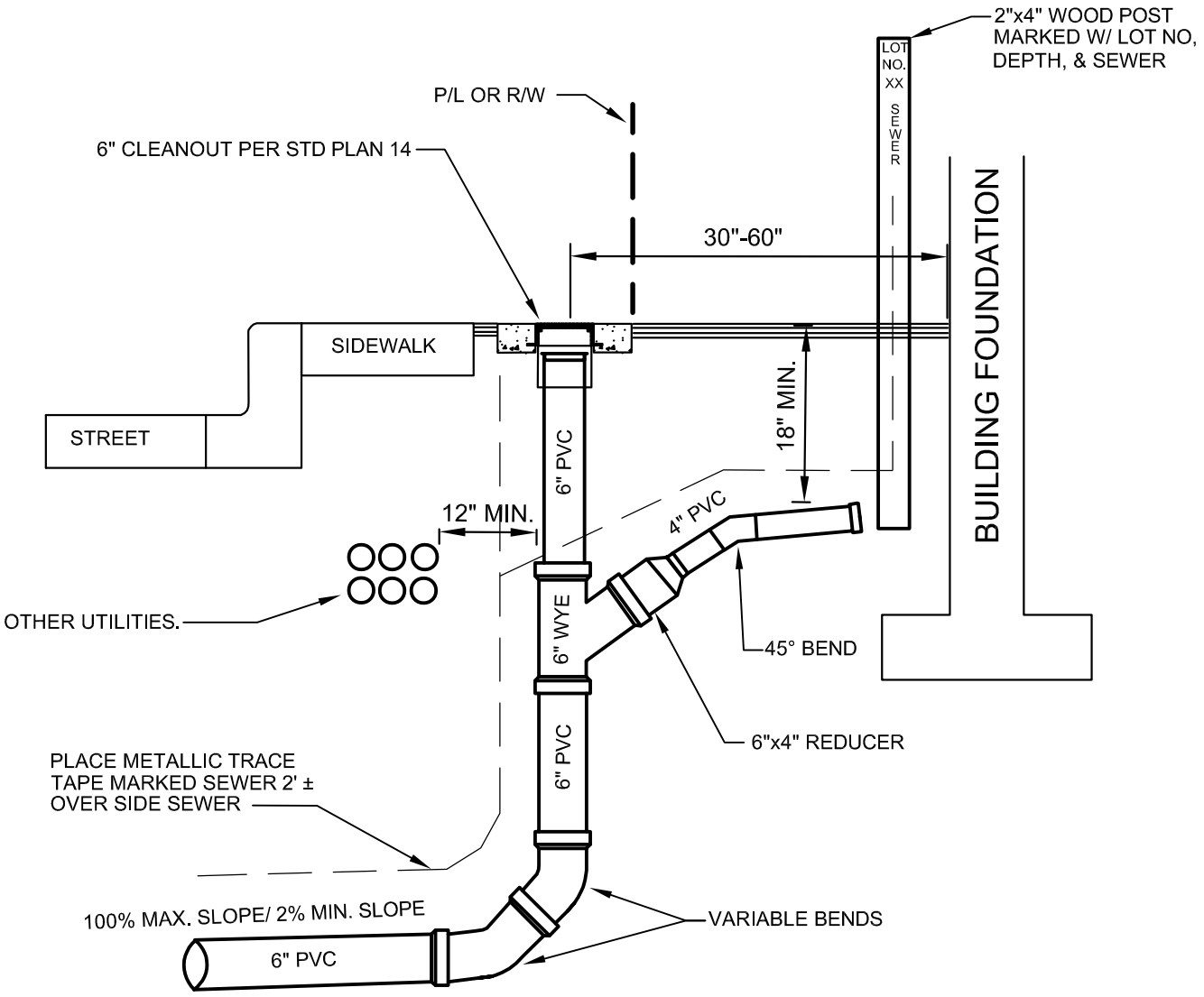
NOTES:

1. NO BENDS (VERTICAL OR HORIZONTAL ALLOWED IN R/W OR EASEMENT WITHOUT SPECIAL PERMISSION FROM THE DISTRICT.
2. SIDE SEWERS SHALL BE BEDDED WITH A MIN. OF 6" OF PEA GRAVEL OR $\frac{5}{8}$" MINUS CRUSHED ROCK UNDER AND OVER THE PIPE.
3. SIDE SEWERS SHALL BE 6" DIA. AND THE SAME MATERIAL AS THE MAINLINE. DUCTILE IRON SIDE SEWERS MAY TRANSITION TO PVC AT THE R/W OR ESM'T LINE WITH APPROVED COUPLING OR TRANSITION GASKET.
4. INSTALL A MIN. 8' TAIL PIECE (6" PVC) TO PREVENT FUTURE UNDERMINING OF CLEANOUT AND SIDEWALK. USE A ROMAC 501 COUPLING OR TRANSITION GASKET WITH FOLLOWER TO TRANSITION FROM DUCTILE IRON AFTER CLEANOUT WYE.
5. CLEANOUT PER STD PLAN 14 SHALL BE INSTALLED AT THE R/W OR ESM'T LINE AND BEHIND THE SIDEWALK. IF BACK OF SIDEWALK IS AT R/W A 5'x5' EASEMENT SHALL BE REQUIRED.
6. STAINLESS STEEL BAND CLAMPS REINFORCEMENT REQUIRED ON PVC SIDE SEWER TEES WHERE SLOPE IS GREATER THAN 70% (.7' RISE PER FOOT) SEE DETAIL A.
7. GASKETED PVC CAP SHALL BE USED AT THE END OF THE STUB. CHERNE TYPE PLUGS ARE NOT ALLOWED TO BE BURIED.
8. CLEANOUT STANDPIPE PIPE SIZE SHALL MATCH THE SIZE AND MATERIAL OF THE SIDE SEWER.

WOODINVILLE WATER DISTRICT	Woodinville Water District	STANDARD SIDE SEWER INSTALLATION	CHRISTIAN R. HOFFMAN STATE OF WASHINGTON 42295 REGISTERED PROFESSIONAL ENGINEER EXPIRES: 11/21/2026

SEWER STD. PLAN NO. 15

REVISION DATE 04/25



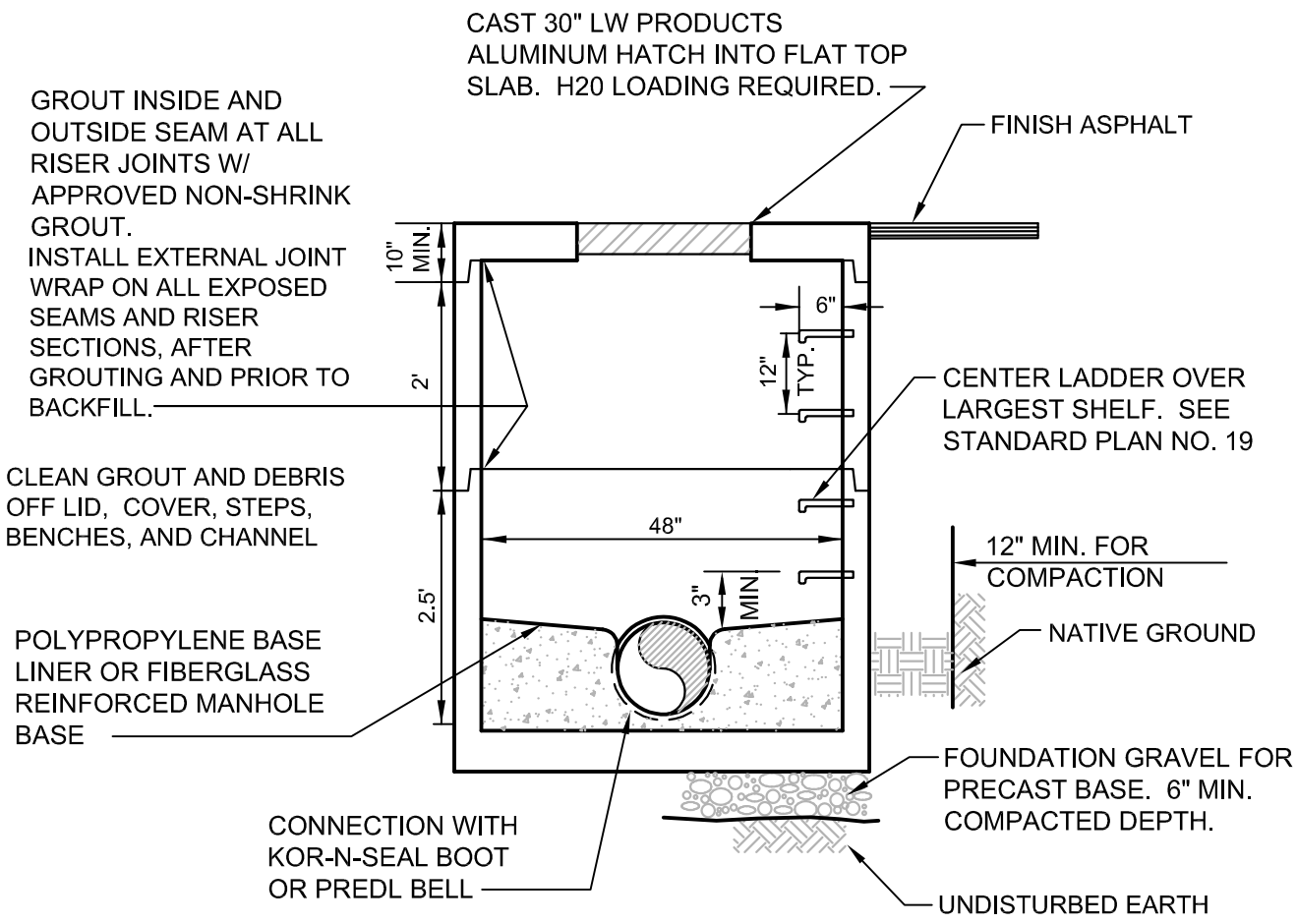
NOTES:

ALL APPLICABLE DETAILS AND NOTES FROM STANDARD PLAN 15 APPLY TO ALTERNATE SIDE SEWER INSTALLATIONS.
ALTERNATE SIDE SEWER INSTALLATION ALLOWED WITH PRIOR APPROVAL FROM THE DISTRICT AND ONLY WHEN STANDARD SIDE SEWER INSTALLATION PER STANDARD PLAN 15 AND 24 ARE NOT POSSIBLE BY:

A. CUTTING THE SIDE SEWER STUB BACK TO ALLOW THE PIPE TO BE INSTALLED WITHIN THE DISTRICT REQUIRED SLOPES (100% MAX./ 2% MIN.) TO THE BUILDING CONNECTION.
B. ROUTING THE SIDE SEWER PIPE TO EXTEND ALONG SIDE THE BUILDING TO DECREASE SLOPE.

IF THE ALTERNATE SIDE SEWER INSTALLATION IS ALLOWED, A PLAN AND PROFILE OF THE SIDE SEWER INSTALLATIONS WILL BE REQUIRED. PLAN AND PROFILE SHALL SHOW ALL UNDERGROUND UTILITIES WITH THE REQUIRED SEPARATIONS. SEE WWD GP-11 REQUIRED DRAWINGS-COMPOSITE UTILITY PLAN.

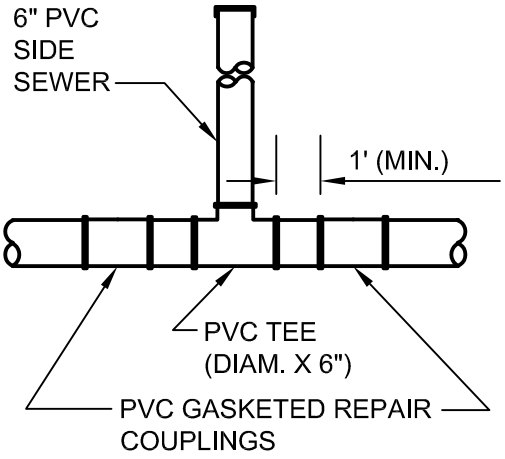
WOODINVILLE WATER DISTRICT Woodinville Water District	ALTERNATE SIDE SEWER INSTALLATION	CHRISTIAN R. HOFFMAN STATE OF WASHINGTON 42295 REGISTERED PROFESSIONAL ENGINEER EXPIRES: 11/21/2026	SEWER STD. PLAN NO. 15A REVISION DATE 04/25



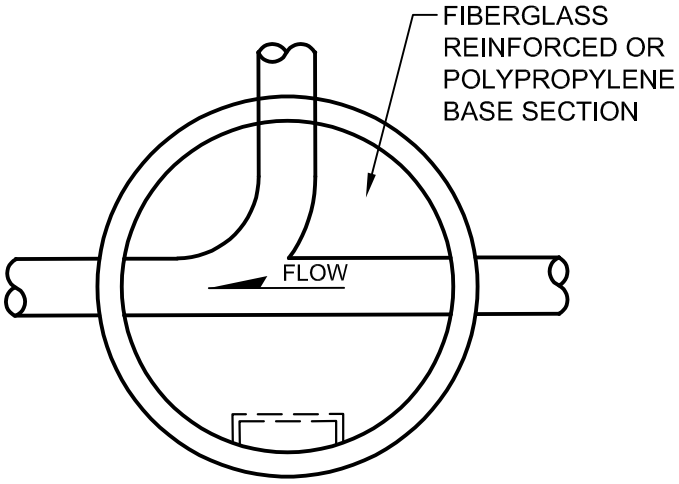
NOTES:

1. ***SHALLOW FLAT TOP MANHOLE TO BE USED BY SPECIAL PERMISSION ONLY.***
2. ALL APPLICABLE DETAILS AND NOTES FROM STANDARD PLAN 2 (STANDARD PRECAST MH) APPLY TO SHALLOW FLAT TOP MH.
3. MANHOLES SHALL BE WATERTIGHT IN AREAS OF HIGH GROUND WATER. RISER SEAMS, AND PICK HOLES SHALL BE SEALED FROM THE OUTSIDE WITH EXTERNAL JOINT WRAP.
4. MANHOLE COVER TO CONFORM TO FINISH SLOPE ELEVATION. SLOPE ASPHALT PAD AWAY FROM COVER TO PREVENT PONDING.
5. EXCAVATE BEYOND MH LOCATION TO PROVIDE CLEARANCE FOR COMPACTION EQUIPMENT.
6. MIN. FALL FROM INLET TO OUTLET - 0.1". PROVIDE ADDITIONAL FALL FOR STEEPER RUNS. MATCH CROWN ELEV. OF SIDE SEWERS TO HIGHEST MAINLINE PENETRATION.
7. MAXIMUM PIPE SIZE LIMITED BY INLET AND OUTLET LOCATIONS INTO MANHOLE. SEE CONSTRUCTION PLANS FOR SIZE AND LOCATION.
8. 15" MAX. INLET SIZE ON 48" DIA. MANHOLES.
9. WHERE IDENTIFIED ON THE PLANS OR DIRECTED BY THE DISTRICT, MH WALLS SHALL BE COATED WITH EPOXYTEC CPP (SPRAYABLE).
10. MANHOLE BASES SHALL BE EITHER FIBERGLASS REINFORCED OR POLYPROPYLENE BASE LINER OR APPROVED EQUAL AS DETERMINED BY THE DISTRICT.

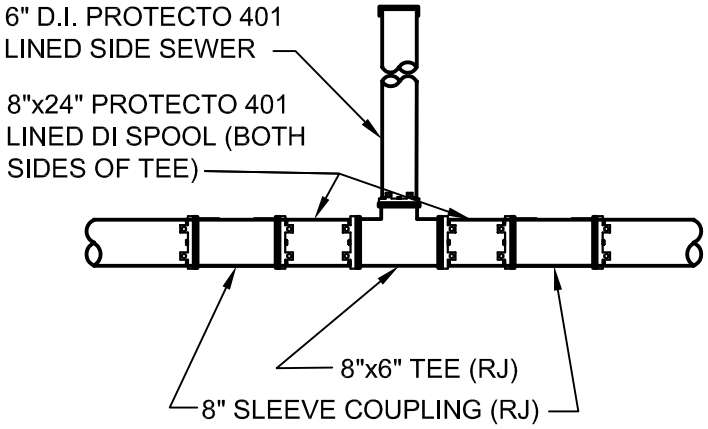
WOODINVILLE WATER DISTRICT	Woodinville Water District	SHALLOW FLAT TOP MH DETAILS	CHRISTIAN R. HOFFMAN STATE OF WASHINGTON 42295 REGISTERED PROFESSIONAL ENGINEER EXPIRES: 11/21/2026
			SEWER STD. PLAN NO. 16
			REVISION DATE 04/25



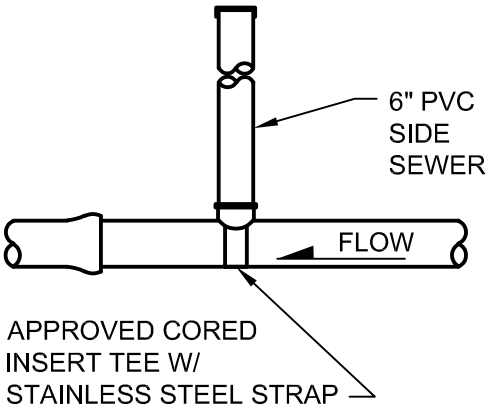
EXISTING PVC PIPE
CUT-IN CONNECTION



COMMERCIAL SIDE SEWER
CUT-IN CONNECTION



EXISTING DUCTILE IRON PIPE
CUT-IN CONNECTION

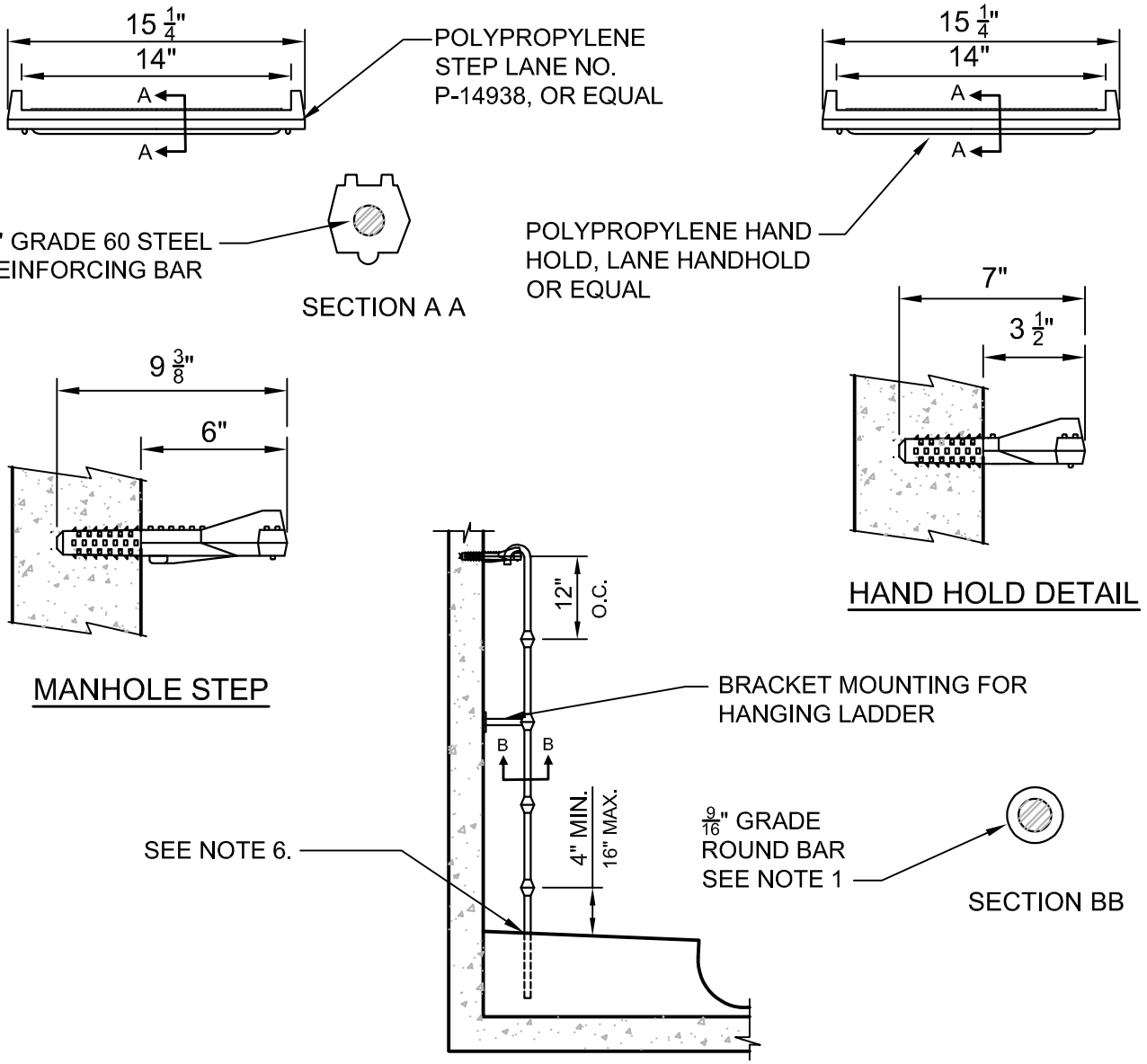


EXISTING CONCRETE PIPE
EXISTING PVC PIPE
TAP CONNECTION

NOTES:

1. AFTER THE BYPASS PLAN (IF APPLICABLE) HAS BEEN APPROVED BY THE DISTRICT, SEVEN (7) DAYS WRITTEN NOTICE IS REQUIRED PRIOR TO CONNECTION TO THE EXISTING SEWER SYSTEM.
2. EXISTING SEWER FLOWS SHALL NOT BE INTERRUPTED. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL EQUIPMENT AND COSTS NECESSARY TO BYPASS EXISTING FLOWS.
3. ALL APPLICABLE DETAILS FROM SEWER STANDARD PLAN 15 (STANDARD SIDE SEWER INSTALLATION) APPLY TO CUT-IN SIDE SEWER.
4. COMMERCIAL SIDE SEWERS SHALL CONNECT TO A NEW FIBERGLASS REINFORCED OR POLYPROPYLENE BASE LINER OR APPROVED EQUAL MANHOLE BASE. ALL APPLICABLE DETAILS FROM SEWER STANDARD PLAN 4 (ALTERNATIVE SADDLE MH DETAIL) APPLY TO COMMERCIAL CUT-INS.

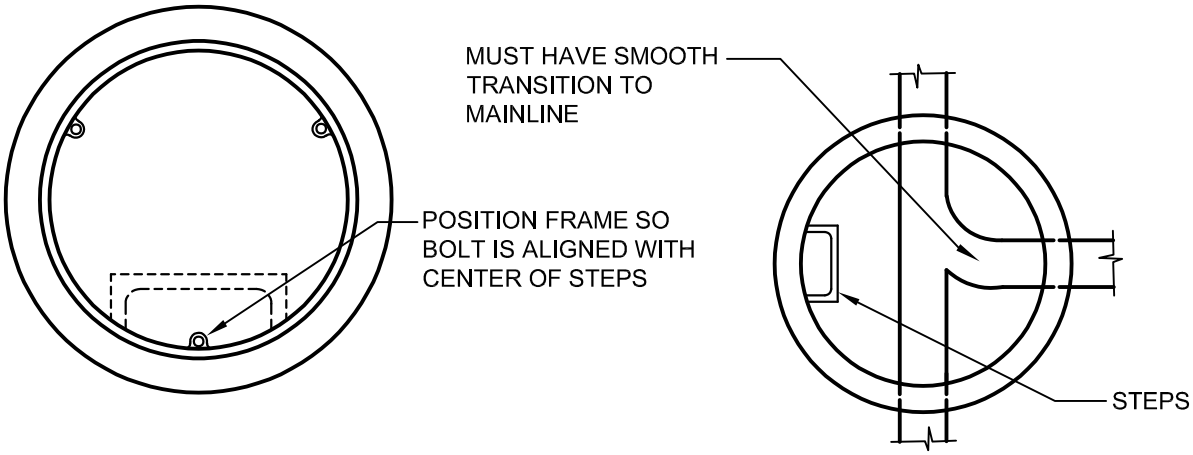
WOODINVILLE WATER DISTRICT — Woodinville Water District	SIDE SEWER INSTALLATION ON EXISTING MAIN	CHRISTIAN R. HOFFMAN, STATE OF WASHINGTON, 42295, REGISTERED PROFESSIONAL ENGINEER, EXPIRES: 11/21/2026	SEWER STD. PLAN NO. 17 REVISION DATE 04/25



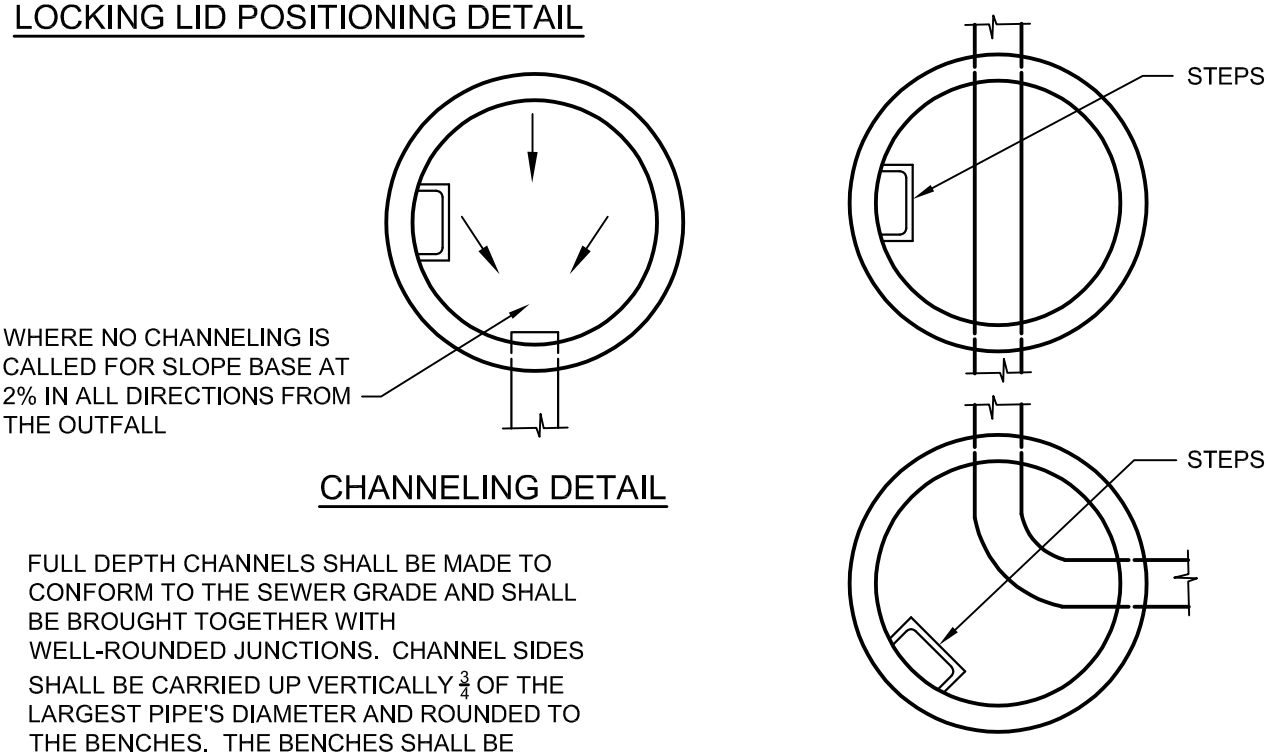
NOTES:

1. POLYPROPYLENE TO CONFORM WITH ASTM-4101. STEPS SHALL MEET THE REQUIREMENTS OF ASTM C-478 AND AASHTO M-199. STEPS SHALL HAVE 1/2" GRADE 60 DEFORMED REINFORCING BAR THAT MEETS ASTM A-615. LADDERS TO MEET ASTMC-497 LOAD REQUIREMENTS. HANGING LADDERS SHALL USE 9/16" COLD DRAWN BARPER C-1018.
2. HANDHOLD OR RECESSED STEP TO BE USED AT TOP OF CONE. LADDER RUNGS AND HANDHOLD STEP SIDES SHALL BE IN A STRAIGHT VERTICAL LINE. SEE STANDARD PLAN 2.
3. POSITION LADDER PER STANDARD PLAN 19.
4. MAXIMUM HEIGHT FOR HANGING LADDER IS 4'.
5. MAXIMUM ALLOWABLE DISTANCE FROM TOP OF CASTING TO TOP OF CONE STEP IS 22". ADD HANDHOLD @ 12" O.C. IF GREATER THAN 22".
6. PROVIDE MOUNTING BRACKET AT BASE IF THE LADDER IS NOT EMBEDDED IN THE BENCH.

Woodinville Water District	STEP AND LADDER DETAILS	CHRISTIAN R. HOFFMAN, STATE OF WASHINGTON, 42295, REGISTERED PROFESSIONAL ENGINEER, EXPIRES: 11/21/2026	SEWER STD. PLAN NO. 18 REVISION DATE 04/25



LOCKING LID POSITIONING DETAIL

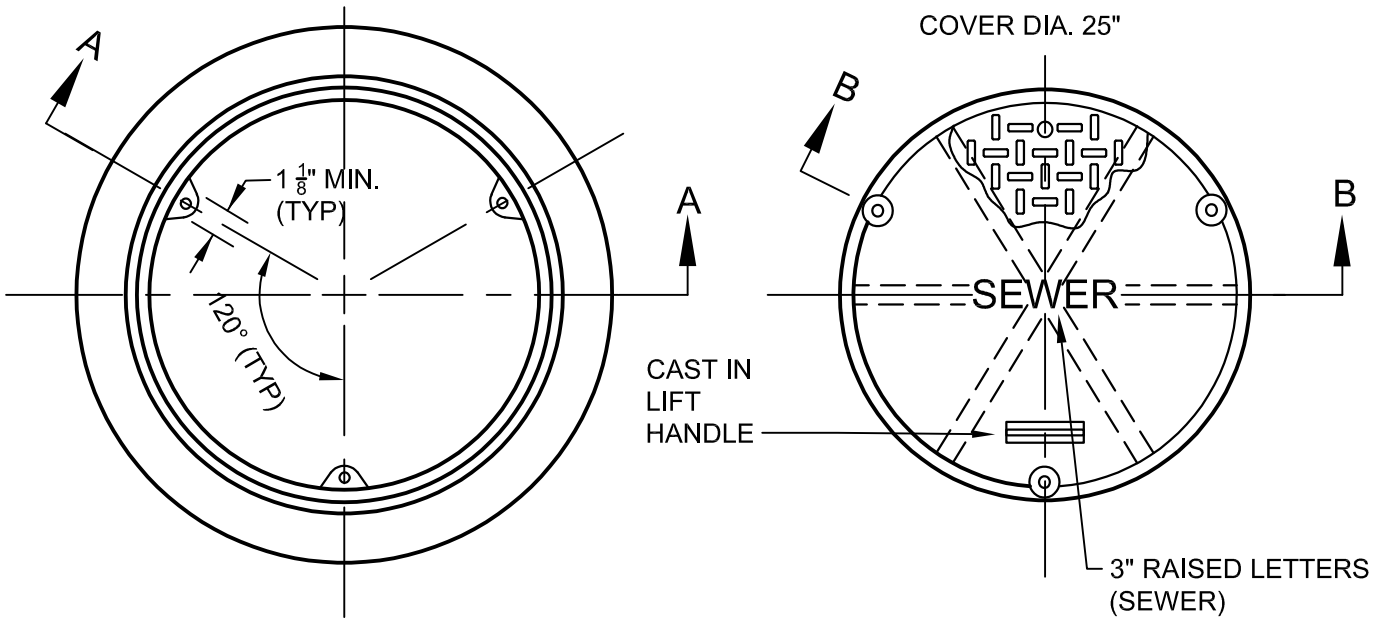


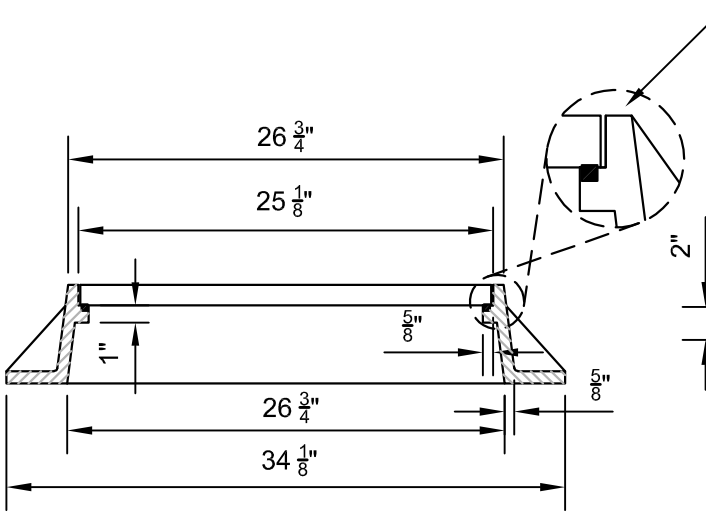
CHANNELING DETAIL

FULL DEPTH CHANNELS SHALL BE MADE TO CONFORM TO THE SEWER GRADE AND SHALL BE BROUGHT TOGETHER WITH WELL-ROUNDED JUNCTIONS. CHANNEL SIDES SHALL BE CARRIED UP VERTICALLY $\frac{3}{4}$ OF THE LARGEST PIPE'S DIAMETER AND ROUNDED TO THE BENCHES. THE BENCHES SHALL BE SMOOTHLY FINISHED WITH $\frac{1}{2}$" PER FOOT MINIMUM SLOPE TOWARD CHANNEL (TYP).

1. MANHOLE CHANNELING OF EXISTING CONCRETE STRUCTURES SHALL BE PERFORMED BY DISTRICT APPROVED SUB-CONTRACTORS. SHOULD THE CONTRACTOR REQUEST DOING THE WORK THEMSELVES OR AN UNKNOWN SUB-CONTRACTOR, THE DISTRICT SHALL REQUIRE SAMPLE CHANNEL WORK ON ONE MANHOLE BEFORE GIVING APPROVAL TO PROCEED WITH THE REMAINDER OF THE WORK.
2. CHANNELS, BENCHES AND ENTIRE BASE SECTION SHALL BE FIBERGLASS LINED OR POLYPROPYLENE LINED OR APPROVED EQUAL.
3. EXISTING FIBERGLASS LINED MANHOLE BASES SHALL BE EITHER REPLACED OR RE-GLASSED BY A CERTIFIED SERVICE TECHNICIAN.
4. SIDE SEWER CHANNEL I.E. TO BE .1' HIGHER (MIN) THAN MAIN CHANNEL AT POINT OF ENTRY.

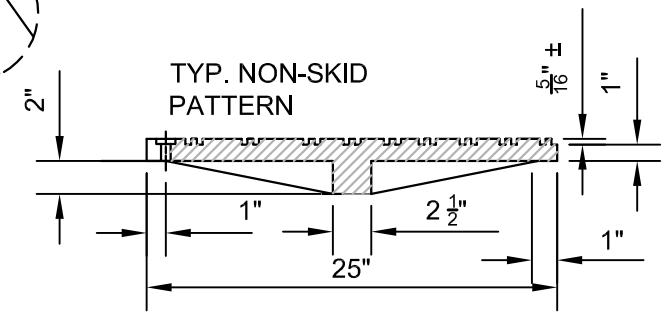
WOODINVILLE WATER DISTRICT	Woodinville Water District	CHANNEL & LADDER LOCATION DETAILS	CHRISTIAN R. HOFFMAN, STATE OF WASHINGTON, 42295, REGISTERED PROFESSIONAL ENGINEER, EXPIRES: 11/21/2026
			SEWER STD. PLAN NO. 19
			REVISION DATE 04/25





SECTION A-A

GLUE 1/4" RESILIENT RUBBER GASKET IN MACHINED GROOVE BEFORE INSTALL. TOP OF GASKET ± 1/8" ABOVE SEAT.



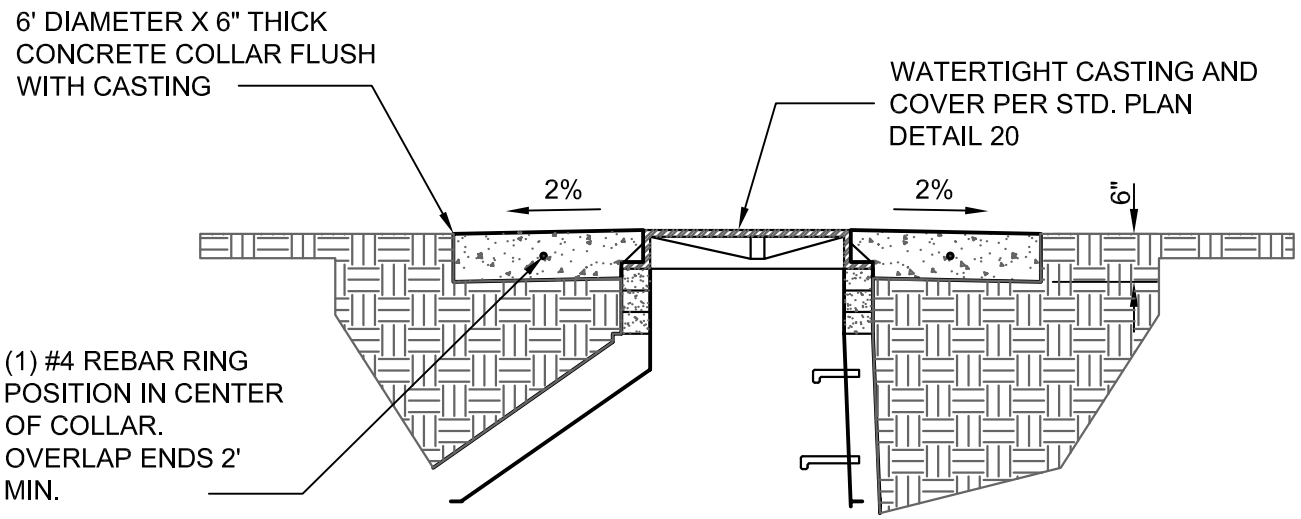
DUCTILE IRON LOCKING COVER. MIN. WEIGHT 180 LBS.

SECTION B-B

NOTES

1. MANHOLE COVER SHALL BE DUCTILE IRON (ASTM A 48 CLASS 30). MH CASTING CAN BE DUCTILE IRON OR CAST IRON AS MANUFACTURED BY EAST JORDAN IRON WORKS PRODUCT NO. 00370548W01 CATALOG NO. 3705APT DI 3715ZPT OR APPROVED EQUAL.
2. DRILL AND TAP (3) 5/8" HOLES THRU FRAME @ 120°. COVERS & CASTINGS THAT CANNOT BE BOLTED DOWN IN ANY ROTATION OF THE BOLTS WILL BE REJECTED.
3. MH COVERS NOT ALLOWED IN SIDEWALK, CURB & GUTTER, LOW AREAS THAT COLLECT RUNOFF AND WHENEVER POSSIBLE POSITION FRAME OUT OF WHEEL TRACKS.
4. MH LOCATIONS OUT OF PAVED AREAS REQUIRE A CONCRETE COLLAR. SEE STD. PLAN NO 21.
5. PROVIDE (3) 5/8" S.S. LOCKING BOLTS WITH RUBBER WASHERS PER COVER. ENSURE MH COVERS ARE BOLTED DOWN AFTER FINAL INSPECTION.

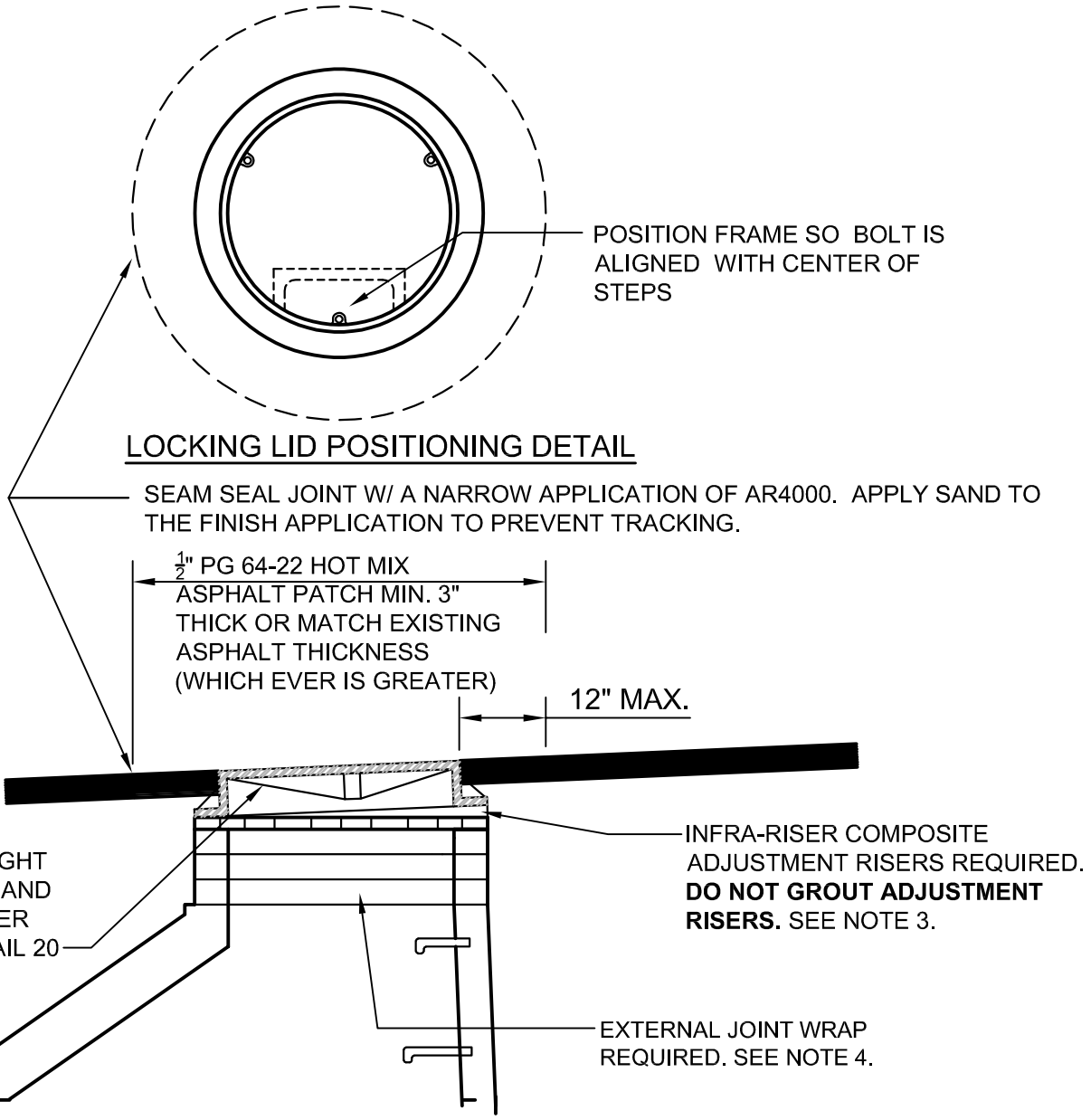
WOODINVILLE WATER DISTRICT Woodinville Water District	WATERTIGHT MANHOLE CASTING AND FRAME	CHRISTIAN R. HOFFMAN STATE OF WASHINGTON 42295 REGISTERED PROFESSIONAL ENGINEER EXPIRES: 11/21/2026	SEWER STD. PLAN NO. 20 REVISION DATE 04/25



NOTES:

1. ALL APPLICABLE DETAILS FROM SEWER STANDARD PLANS 1 & 2 APPLY TO THIS DETAIL.
2. NECK OF MH TO BE SEALED WITH EXTERNAL JOINT WRAP. DO NOT GROUT ADJUSTMENT RISERS.
3. SLOPE CONCRETE COLLAR @ 2% AWAY FROM THE TOP OF THE MH LID.
4. APPLY A SMOOTH PROFESSIONAL BROOM FINISH TO CONCRETE SURFACE.
5. CLEAN CONCRETE SLURRY FROM THE MH LID.

Woodinville Water District	MANHOLE COLLAR DETAIL	CHRISTIAN R. HOFFMAN, STATE OF WASHINGTON, 42295, REGISTERED PROFESSIONAL ENGINEER, EXPIRES: 11/21/2026	SEWER STD. PLAN NO. 21 REVISION DATE 04/25

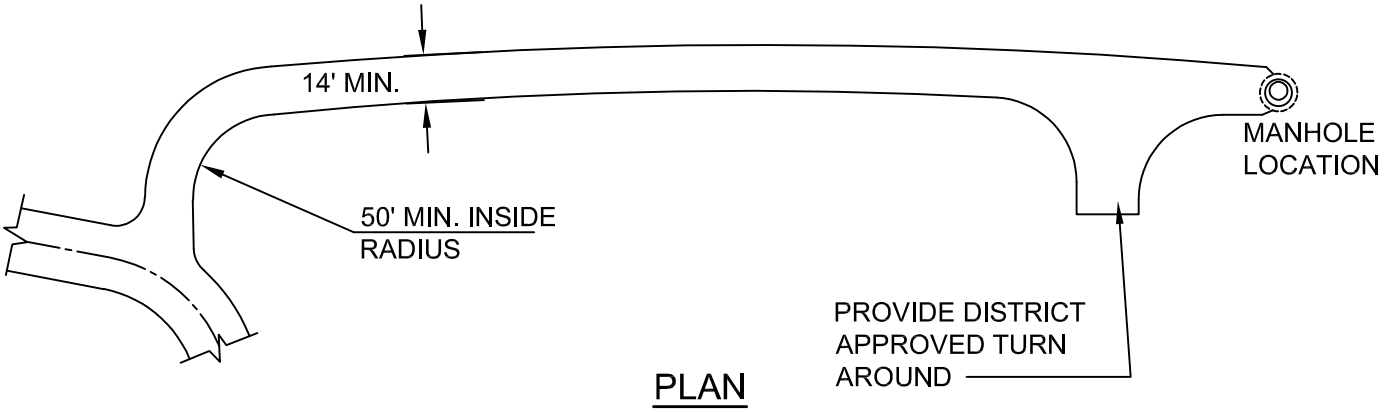


LOCKING LID POSITIONING DETAIL

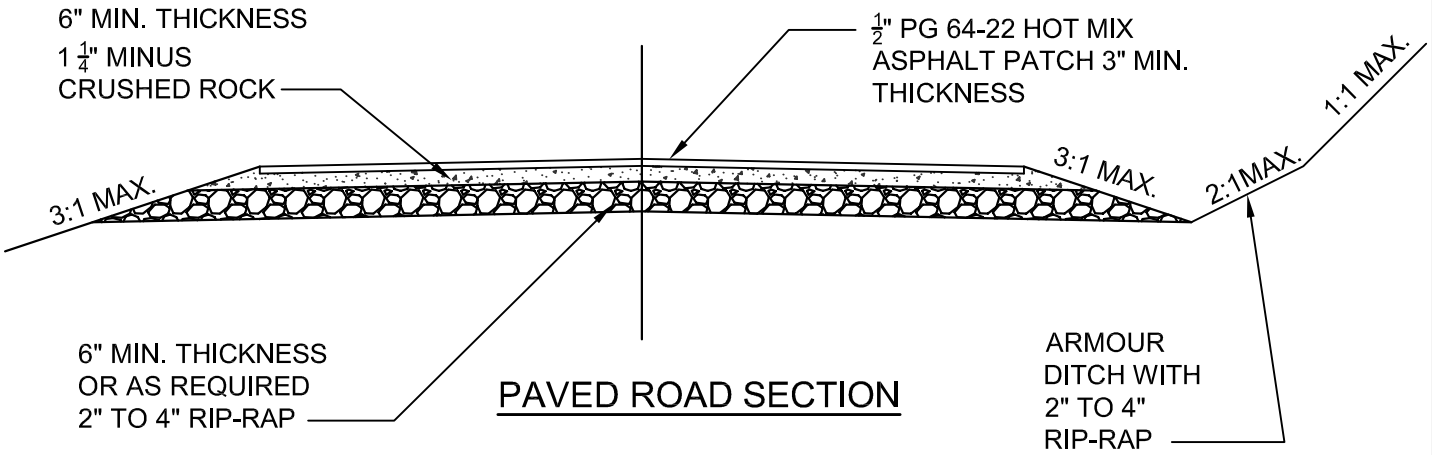
NOTES:

1. MH CASTING AND FRAME SHALL BE ADJUSTED THROUGH THE ASPHALT. CAST AND DUCTILE IRON ADJUSTMENT RINGS ARE NOT ALLOWED.
2. EXISTING FLOWS SHALL BE PROTECTED WITH PLYWOOD CHANNEL BOARDS. ALL CLEANUP SHALL BE COMPLETED, INCLUDING LADDERS PRIOR TO REMOVAL OF THE PLYWOOD.
3. INFRA-RISER COMPOSITE ADJUSTMENT RISERS SHALL BE USED TO ADJUST CASTING FLUSH WITH FINAL ASPHALT GRADE. ROTATE ADJUSTMENT RISERS TO CONFORM TO THE SLOPE OF THE ROAD. SEAL INBETWEEN ADJUSTMENT RISERS WITH A POLYURETHANE JOINT SEALER/ADHESIVE.
4. ALL ADJUSTMENT RISERS SHALL BE SEALED WITH AN EXTERNAL JOINT WRAP, AFTER ADJUSTMENT AND PRIOR TO BACKFILL/PAVING.
5. REMOVE ALL ASPHALT FROM MH LIDS AFTER ADJUSTMENT. DO NOT USE HEAT (TORCH) TO REMOVE THE ASPHALT.

WOODINVILLE WATER DISTRICT Woodinville Water District	MANHOLE CASTING ADJUSTMENT IN ASPHALT OVERLAY	CHRISTIAN R. HOFFMAN STATE OF WASHINGTON 42295 REGISTERED PROFESSIONAL ENGINEER EXPIRES: 11/21/2026	SEWER STD. PLAN NO. 22 REVISION DATE 04/25



PLAN

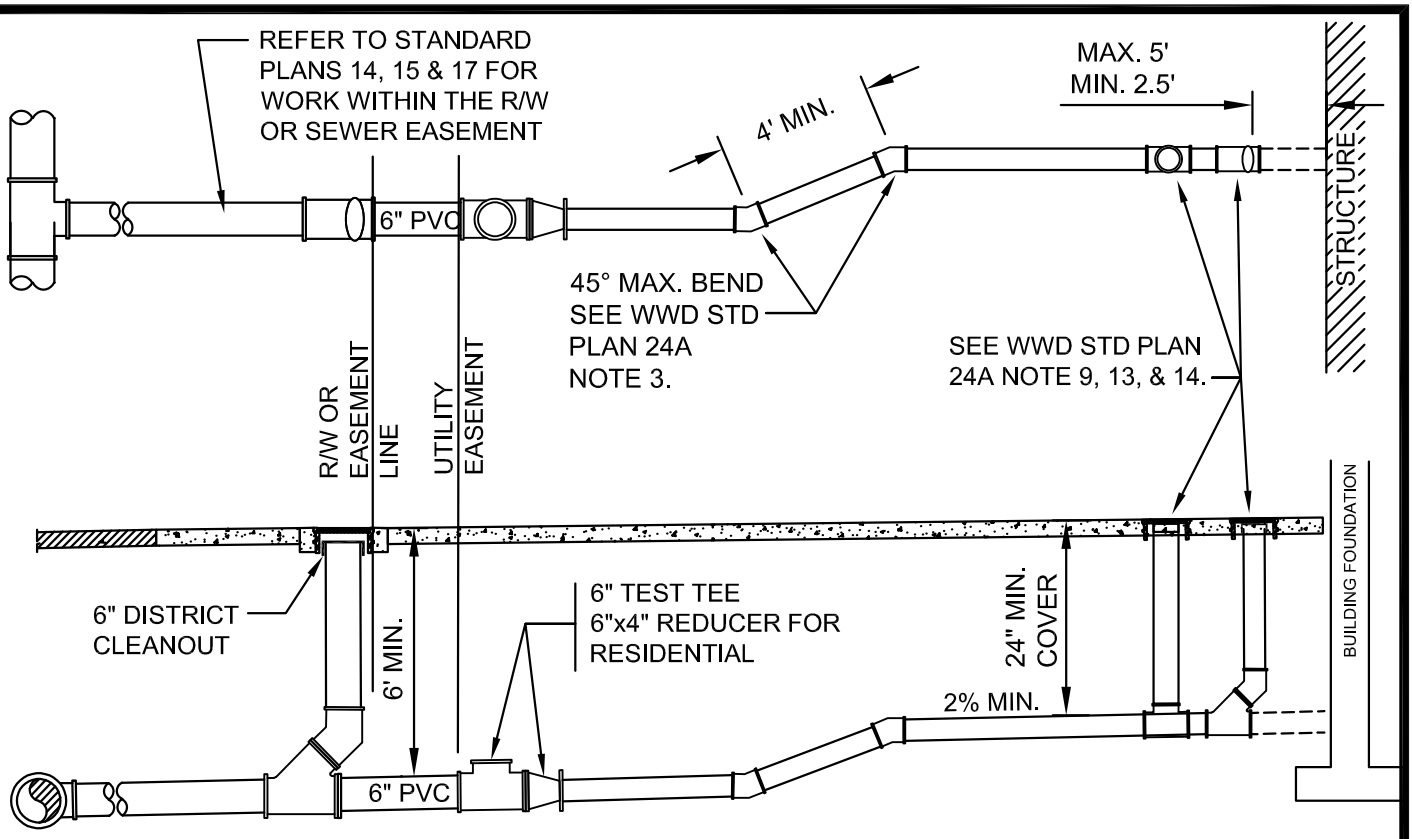


PAVED ROAD SECTION

NOTES:

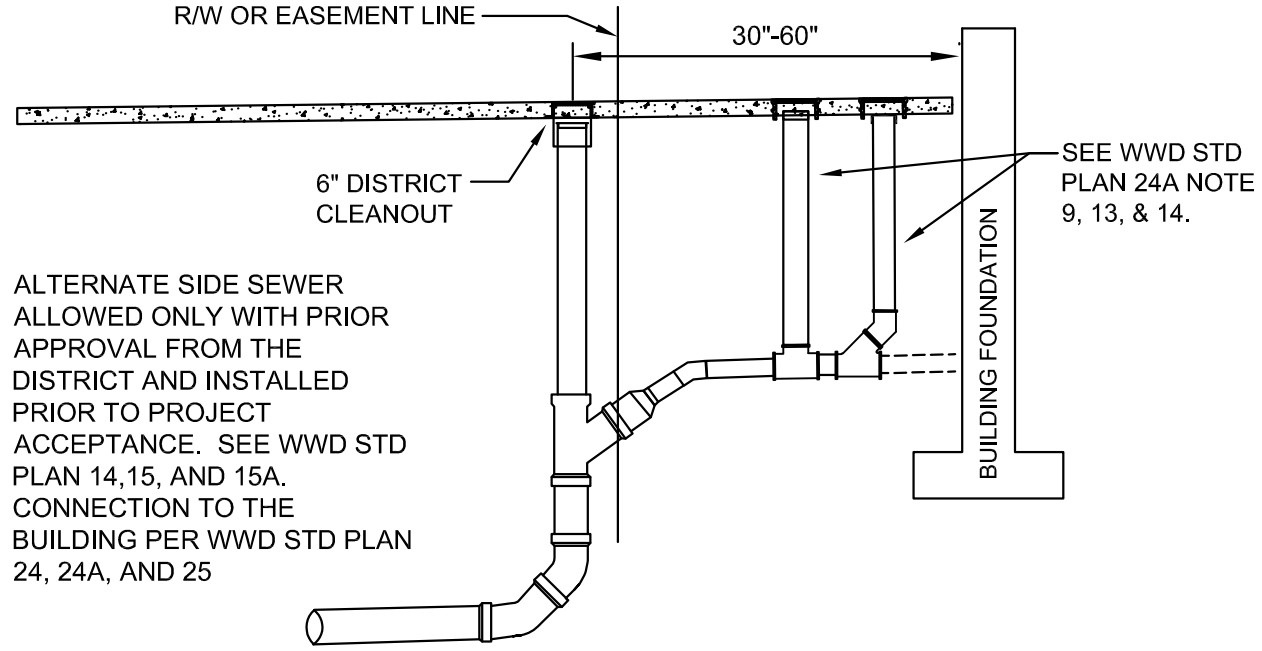
1. 12% MAXIMUM GRADE FOR VACTOR ACCESS ROAD
2. PROVIDE DRAINAGE PER LOCAL JURISDICTIONAL REQUIREMENTS AND THIS DRAWING.
3. SEE SEWER CONSTRUCTION SPECIFICATION CS-6.

Woodinville Water District	OPERATIONS & MAINTENANCE VACTOR ACCESS ROAD	CHRISTIAN R. HOFFMAN STATE OF WASHINGTON 42295 REGISTERED PROFESSIONAL ENGINEER EXPIRES: 11/21/2026	SEWER STD. PLAN NO. 23 REVISION DATE 04/25



STANDARD INSTALLATION-PLAN AND PROFILE

ALTERNATE INSTALLATION-PROFILE



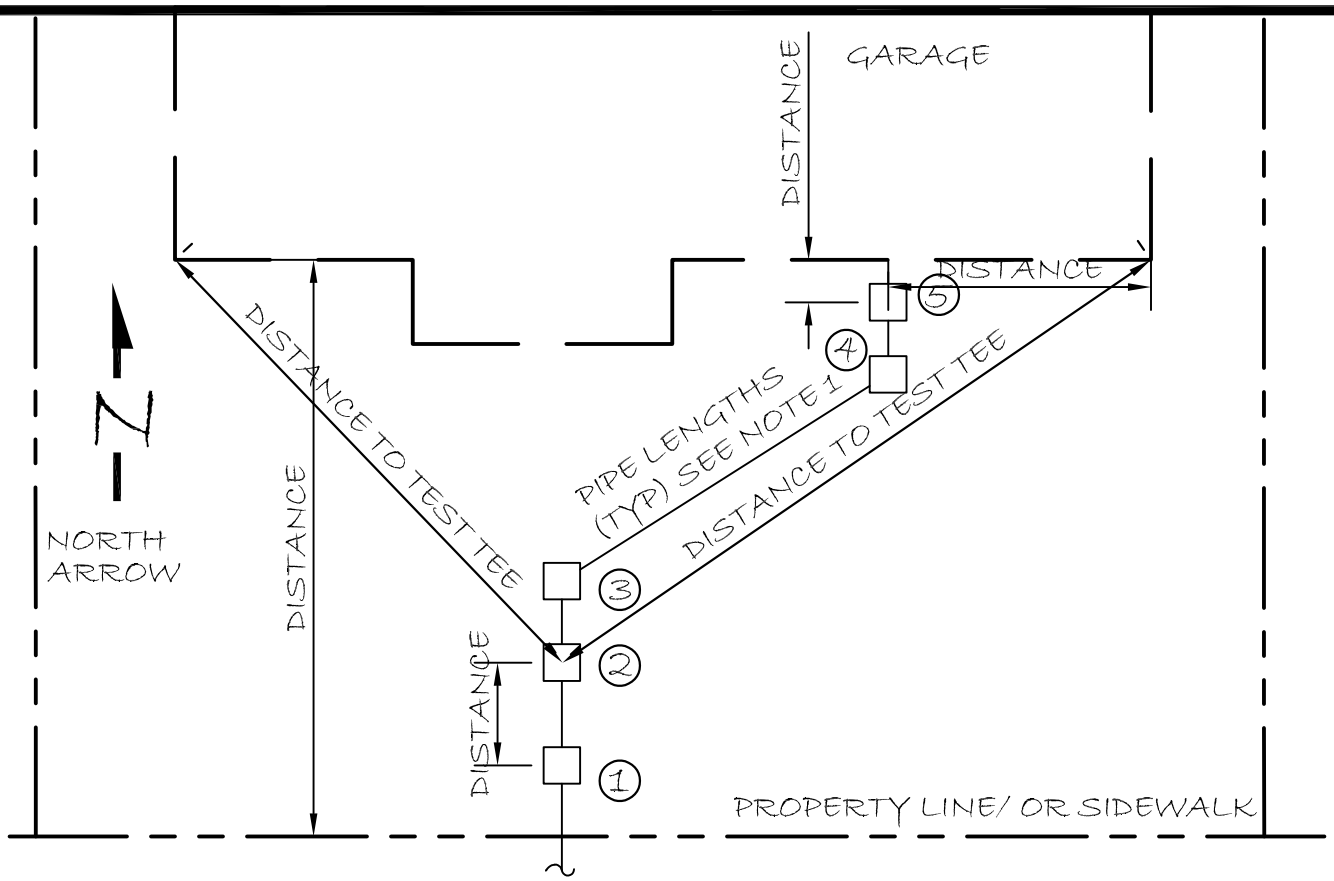
ALTERNATE SIDE SEWER ALLOWED ONLY WITH PRIOR APPROVAL FROM THE DISTRICT AND INSTALLED PRIOR TO PROJECT ACCEPTANCE. SEE WWD STD PLAN 14,15, AND 15A. CONNECTION TO THE BUILDING PER WWD STD PLAN 24, 24A, AND 25

Woodinville Water District	PRIVATE SIDE SEWER CONNECTION DETAILS	CHRISTIAN R. HOFFMAN STATE OF WASHINGTON 42295 REGISTERED PROFESSIONAL ENGINEER EXPIRES: 11/21/2026	SEWER STD. PLAN NO. 24 REVISION DATE 04/25

INSTALLATION REQUIREMENTS

1. ONSITE PRECON REQUIRED PRIOR TO SCHEDULING FIRST INSPECTION.
2. WORK SHALL BE PERFORMED BY REGISTERED LICENSED CONTRACTOR.
3. SIDE SEWER PERMIT REQUIRED PRIOR TO INSTALLATION.
4. WORK SHALL NOT BE BURIED PRIOR TO INSPECTION AND TESTING.
5. INSPECTION SCHEDULING REQUIREMENTS ARE AS FOLLOWS:
   - 24 HOURS MIN. NOTICE REQUIRED FOR INSPECTION.
   - INSPECTIONS SCHEDULED BY CONTACTING THE FRONT DESK 425-487-4100.
   - INSPECTIONS ARE ALLOWED MONDAY-THURSDAY FROM 8AM TO 2PM. NO INSPECTIONS ALLOWED ON FRIDAYS OR HOLIDAYS.
6. 2% MIN. SLOPE, 100% MAX. SLOPE ON SIDE SEWER. SIDE SEWER MAXIMUM LENGTH 150'.
7. MAX. BEND ANGLE 45°. 4' MIN. DISTANCE REQUIRED BETWEEN 45° BENDS.
8. SIDE SEWER SHALL BE PVC PIPE (SDR 35) AND FITTINGS. USE FERNCO FLEXIBLE COUPLING TO CHANGE FROM DIFFERENT MATERIALS AT BUILDING WASTELINE CONNECTION.
9. CLEANOUT REQUIRED FOR EACH PIPE LENGTH GREATER THAN 100' AND/OR IF THE LINE HAS 110° OR GREATER TOTAL BENDS . CLEANOUT PIPE AND FITTINGS SHALL BE DOWNSIZED TO 4" ON RESIDENTIAL INSTALLS. NOTE: CASTINGS FOR 4" CLEANOUT AND 4" BACKWATER VALVES MAYBE DOWNSIZED TO A MIN. 8" CLEAR OPENINGS.
10. PIPE SHALL BE BEDDED WITH $\frac{5}{8}$" CRUSHED ROCK OR PEA GRAVEL WITH A MIN. 6" DEPTH UNDER AND OVER PIPE.
11. CONTRACTOR SHALL PROVIDE SHORING AS DIRECTED AND/OR AS REQUIRED BY LABOR AND INDUSTRIES. INSTALLATIONS WITH TRENCHES THAT ARE INADEQUATELY SHORED WILL NOT BE INSPECTED.
12. CONTRACTOR REQUIRED TO DO AN AS-BUILT DRAWING SHOWING THE SIDE SEWER IN RELATION TO THE BUILDING AND PROPERTY LINES. SEE STANDARD PLAN NO. 25 AS-BUILT REQUIREMENTS DRAWING.
13. CONTRACTOR SHALL DETERMINE AND COORDINATE INSPECTION REQUIREMENTS FOR CONNECTION TO BUILDING WASTE LINE WITH THE CITY OF BOTHELL, KIRKLAND, WOODINVILLE, OR KING COUNTY.
14. RECTORSEAL CLEAN CHECK BACKWATER VALVE MAY BE REQUIRED PER THE UNIFORM PLUMBING CODE. JURISDICTIONAL REQUIREMENTS MAY OVERRIDE BACKWATER TYPE AND LOCATION. THE BACKWATER VALVE SHALL BE ACCESSIBLE AND REMOVABLE FROM THE SURFACE. CLEANOUT CASTING IN PAVED AREAS AND CASTING AND CONCRETE COLLAR IN OTHER AREAS, SHALL BE INSTALLED PER SEWER STD PLAN 14.
15. ALL PRIVATE SIDE SEWER PIPE AND FITTINGS ARE TO BE TESTED . TESTING REQUIREMENTS ARE AS FOLLOWS:
   - WATER TESTS NEED TO INCLUDE ALL FITTINGS AND PIPE INSTALLED. THIS INCLUDES ALL STANDPIPES SET AT OR ABOVE FINISH GRADE.
   - PRIVATE SIDE SEWER SHALL BE "ON TEST" BEFORE THE TIME OF INSPECTION AND REMAIN "ON TEST" UNTIL DIRECTED OTHERWISE BY THE DISTRICT INSPECTOR.
   - AIR TESTING ONLY ALLOWED WITH PERMISSION FROM THE DISTRICT. IF AIR TESTING IS ALLOWED, ALL FITTINGS AND PIPE ARE TO BE SUFFICIENTLY BACKFILLED TO WITHSTAND TEST PRESSURES.
16. IF GREASE INTERCEPTORS (GI) AND/OR OIL WATER SEPARATORS ARE REQUIRED ON COMMERCIAL APPLICATIONS, SIZE, TYPE, LOCATION, AND TESTING PROCEDURES PER UNIVERSAL PLUMBING CODE AND JURISDICTIONAL REQUIREMENTS. WOODINVILLE WATER DISTRICT AS-BUILT REQUIREMENTS STILL APPLY TO GREASE INTERCEPTOR AND OIL/WATER SEPARATOR. DISTRICT REQUIREMENTS FOR TESTING APPLY FROM DOWNSTREAM OUTLET OF THE GI TO THE MANHOLE OR SAMPLING STRUCTURE. DOWNSTREAM MANHOLE AND/OR SAMPLING STRUCTURE SET PRIOR TO PROJECT ACCEPTANCE. SEE CS-3 AND CS-7 FOR MORE INFORMATION.

WOODINVILLE WATER DISTRICT	Woodinville Water District	PRIVATE SIDE SEWER INSTALLATION REQUIREMENTS	CHRISTIAN R. HOFFMAN STATE OF WASHINGTON 42295 REGISTERED PROFESSIONAL ENGINEER EXPIRES: 11/21/2026	SEWER STD. PLAN NO. 24A REVISION DATE 04/25



1. 6" DISTRICT CLEANOUT
2. 6"X4" REDUCER
   4" TEST TEE, 6' DEEP
3. 4"X45° BEND
4. 4"X45 BEND
5. 4" WYE (VERT) 3' DEEP, 4" CLEANOUT 18" DEEP

EXAMPLE

NOTES:

1. PROVIDE ALL PIPE LENGTHS - MEASURE CENTER TO CENTER ON FITTINGS.
2. LIST FITTINGS OR FITTING CLUSTERS STARTING AT THE DISTRICT CLEANOUT. PROVIDE DEPTHS AT THE TEST TEE AND PRIVATE CLEANOUT. EXAMPLE ABOVE.
3. AS-BUILT DRAWINGS THAT ARE NOT LEGIBLE SHALL BE REDRAWN PRIOR TO ACCEPTANCE OF THE PRIVATE SIDE SEWER INSTALLATION.

WOODINVILLE WATER DISTRICT — Woodinville Water District	PRIVATE SIDE SEWER ASBUILT REQUIREMENTS	CHRISTIAN R. HOFFMAN, STATE OF WASHINGTON, 42295, REGISTERED PROFESSIONAL ENGINEER — EXPIRES: 11/21/2026	SEWER STD. PLAN NO. 25 REVISION DATE 04/25