

PAYSON CITY STANDARD PLAN SHEET INDEX

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GENERAL NOTES

1. ALL CONSTRUCTION TO CONFORM TO PROJECT'S CURRENT SPECIFICATIONS AND DETAILS. THE SPECIFICATIONS ORDER OF PRIORITY IS: CONSTRUCTION DRAWINGS, SPECIAL PROVISIONS, PAYSON CITY STANDARD PLANS, APWA STANDARDS, AND SUMMARY.
2. EXISTING UTILITIES ARE SHOWN BASED ON BEST INFORMATION AVAILABLE AT THE TIME OF DESIGN. PAYSON CITY IS NOT RESPONSIBLE FOR INACCURACIES IN THE LOCATIONS OR SIZE OF UTILITY SHOWN. NOTIFY BLUE STAKES (811) PRIOR TO ANY EXCAVATION.
3. PROTECT ALL EXISTING UTILITIES (WATER, FIBER OPTIC, AND DRAINAGE SERVICES AND ACCESS ROADS, ETC.) DURING CONSTRUCTION AND ENSURE THEY REMAIN IN PLACE AND OPERATIONAL (UNLESS OTHERWISE NOTIFIED BY PROPERTY OWNER). DEPTHS OF DRY UTILITIES ARE APPROXIMATE. POT HOLE TO ASSESS LOCATION OF UTILITIES.
4. IDENTIFY DAMAGED ITEMS WITHIN THE CONSTRUCTION BOUNDARIES PRIOR TO BEGINNING CONSTRUCTION. REPLACE ANY ITEM DAMAGED, NOT IDENTIFIED PRIOR TO BEGINNING CONSTRUCTION, AT NO COST TO THE CITY. PROVIDE VIDEO OF THE SITE BEFORE CONSTRUCTION.
5. MAINTAIN SAFE CONSTRUCTION PROCEDURES AND WORKING CLEARANCES AT ALL TIMES WHILE WORKING NEAR POWER LINES. FOLLOW ALL APPLICABLE OSHA STANDARDS. PROPER SIGNAGE IS REQUIRED AT CONTRACTOR'S EXPENSE.
6. VERIFY ALL DIMENSIONS BEFORE STARTING WORK. IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES.
7. UNLESS DETAILED, SPECIFIED, OR OTHERWISE INDICATED ON THE DRAWINGS, CONSTRUCTION REQUIREMENTS ARE IN THE APPLICABLE TYPICAL DETAILS AND GENERAL NOTES. TYPICAL DETAILS APPLY EVEN WHEN NOT REFERENCED AT SPECIFIC LOCATIONS ON THE DRAWINGS.
8. CONSULT WITH THE ENGINEER WHERE NO CONSTRUCTION DETAILS ARE SHOWN OR NOTED FOR ANY PART OF WORK.
9. PRESERVE AND PROTECT ALL SURVEY MONUMENTS. CONTACT COUNTY SURVEYORS OFFICE TO RESET SURVEY MONUMENTS TO FINISH GRADE.
10. PRESERVE, RESTORE, OR REPLACE ALL EXISTING FENCES, ROADS, DRIVE APPROACHES, CULVERTS, MAIL BOXES, LANDSCAPING, EROSION CONTROL BLANKETS, DITCHES, SIGNS, K-RAIL, ETC. TO PRE-CONSTRUCTION CONDITION.
11. NOTIFY AT LEAST 48 HOURS IN ADVANCE THE CITY CONSTRUCTION INSPECTOR, THE FIRE CHIEF AND THE POLICE CHIEF OF ANY ROAD CLOSURES THAT HAVE BEEN APPROVED BY THE CITY ENGINEER RELATING TO THE PROJECT. A SIGNED AND APPROVED ROAD CLOSURE PERMIT IS REQUIRED.
12. REQUEST ANY CHANGES TO THE PLANS IN WRITING TO THE CITY ENGINEER FOR APPROVAL PRIOR TO MAKING THE CHANGES. DESIGN CHANGE REQUESTS MUST BE STAMPED BY THE PROJECT ENGINEER.
13. DO NOT PERFORM ANY WORK NEAR UTILITY LINES WITHOUT FIRST CONTACTING THE RELATED UTILITY COMPANY AND ALLOWING A REPRESENTATIVE OF THE RELATED UTILITY COMPANY TO OBSERVE THE WORK IF REQUESTED.

RIGHT-OF-WAY NOTES

14. SUBMIT FOR ACCEPTANCE TO CITY ENGINEER A TRAFFIC CONTROL PLAN FOR THE PROJECT'S TRAFFIC MAINTENANCE THAT MEETS MUTCD STANDARDS.
15. PROTECT EXISTING ASPHALT FROM CONSTRUCTION EQUIPMENT DAMAGE. REPLACE DAMAGED PAVEMENT AT THE DIRECTION OF THE PUBLIC WORKS DIRECTOR OR DESIGNEE.
16. DO NOT TRESPASS PRIVATE PROPERTY ALONG THE PROJECT. SECURE ACCESS IN WRITING FROM OWNERS TO PROPERTIES, RESIDENCES AND BUSINESSES DURING CONSTRUCTION. MAINTAIN TRAFFIC TO LOCAL RESIDENTS AT ALL TIMES.

STORMWATER NOTES

1. LENGTHS SHOWN ON PLAN SHEETS ARE HORIZONTAL.
2. ALL PIPE IN THE PAYSON CITY RIGHT-OF-WAY TO BE REINFORCED CONCRETE OR POLYVINYL CHLORIDE PIPE. HIGH DENSITY POLYETHYLENE PIPE IS NOT PERMITTED.
3. PROVIDE UPDES SWPP PERMIT AND NOI PRIOR TO PRE-CONSTRUCTION MEETING. KEEP THE PERMIT ON THE PROJECT FOR REVIEW.
4. ALL SWPP BMPS TO BE IN PLACE AND APPROVED PRIOR TO START OF CONSTRUCTION.
5. SWPP BMPS TO BE REMOVED AND STORM DRAIN TO BE CLEANED AND CCTV INSPECTION PERFORMED BY A THIRD PARTY PRIOR TO FINAL ACCEPTANCE.
6. STORM PIPE TO BE INSPECTED AND SURVEYED PRIOR TO BACKFILL. NOTIFY CITY 48 HOURS IN ADVANCE OF ANY REQUIRED INSPECTION.

SANITARY SEWER NOTES

7. SEWER PIPE TO BE INSPECTED AND SURVEYED PRIOR TO BACKFILL. NOTIFY CITY 48 HOURS IN ADVANCE OF ANY REQUIRED INSPECTION.
8. DROP MANHOLES ARE NOT PERMITTED WITHOUT PRIOR APPROVAL FROM THE CITY ENGINEER.
9. ALL SEWER PIPE TO BE GREEN SDR35 PVC PIPE. CORROSION RESISTANT PIPES AND MANHOLES ARE REQUIRED ON ALL LINES WITH HIGH HYDROGEN SULFIDE CONTENT OR AT THE DISCRETION OF THE PUBLIC WORKS DIRECTOR OR DESIGNEE.
10. COUPLINGS TO BE DOUBLE BAND, SHIELDED ADJUSTABLE REPAIR COUPLINGS IN COMPLIANCE WITH ASTM C 1173. NO CAST IRON FITTINGS PERMITTED.
11. INSTALL CONCRETE COLLAR FLUSH WITH MANHOLE RIM. CONCRETE COLLAR TO BE 1/4" BELOW PAVEMENT. SLOPE COLLAR FROM OUTSIDE EDGE TOWARDS THE MIDDLE TO THE RING AND COVER.
12. ALL SEWER TO BE CLEANED, AIR TESTED, AND CCTV INSPECTION PERFORMED BY A THIRD PARTY PRIOR TO FINAL ACCEPTANCE.

13. DURING CLEANING, BLOCK CONNECTION TO EXISTING CITY SEWER SYSTEM TO PREVENT DEBRIS FROM ENTERING THE SYSTEM.

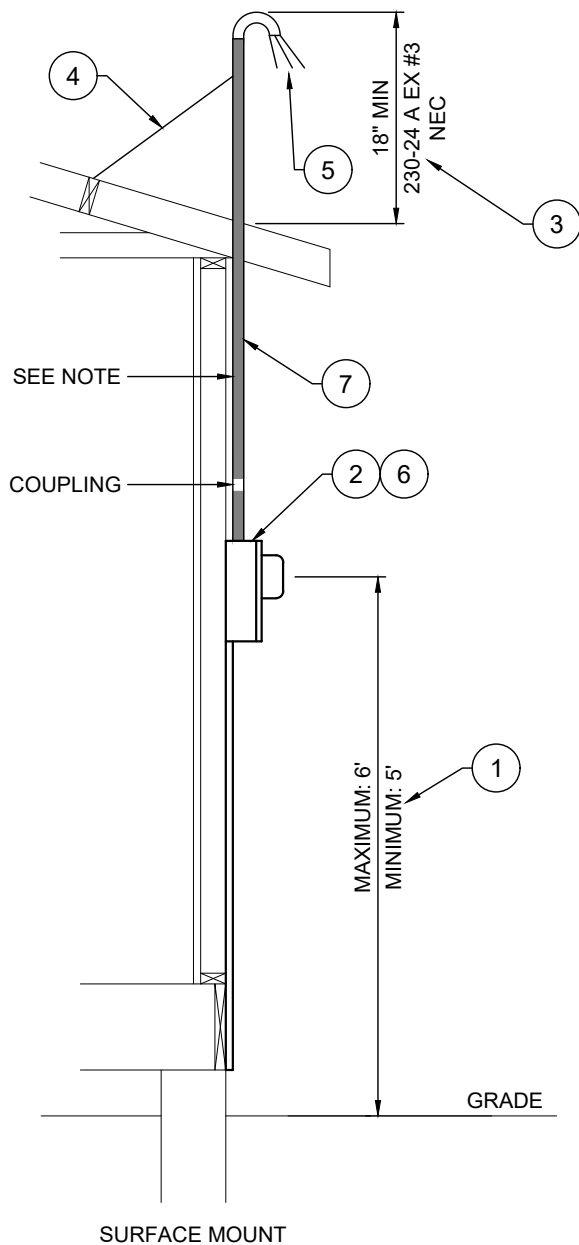
WATER AND PRESSURIZED IRRIGATION NOTES

14. ALL PIPE TO BE DR18 PVC PIPE MEETING AWWA C900 SPECIFICATIONS. DRINKING WATER LINES TO BE BLUE, PRESSURIZED IRRIGATION LINES TO BE PURPLE.
15. SERVICE LATERALS TO BE 1" MINIMUM CTS POLY PIPE. DRINKING WATER SERVICES TO BE BLUE, PRESSURIZED IRRIGATION SERVICES TO BE PURPLE.
16. ALL WATER LINES TO BE INSPECTED AND SURVEYED PRIOR TO BACKFILL. NOTIFY CITY 48 HOURS IN ADVANCE OF ANY REQUIRED INSPECTION.
17. TRACER WIRE REQUIRED ALONG ALL PIPES AND LATERALS 2" DIAMETER OR GREATER. TAPE TRACER WIRE TO PIPE BELLS. CONTINUITY TO BE TESTED AND APPROVED PRIOR TO FINAL ACCEPTANCE. ANY ISSUES WITH TRACER WIRE CONTINUITY WILL BE REPAIRED AT CONTRACTOR'S EXPENSE.
18. TRACER WIRE AT VALVES SHALL BE BROUGHT NEAR SURFACE ON THE OUTSIDE OF VALVE BOX. NOTCH A HOLE ON THE UPPER SLEEVE AND FEED TRACER WIRE INTO VALVE BOX.
19. ALL METAL FIXTURES AND APPURTENANCES MUST BE WRAPPED IN 20 MIL BLACK POLYWRAP.

ELECTRICAL NOTES

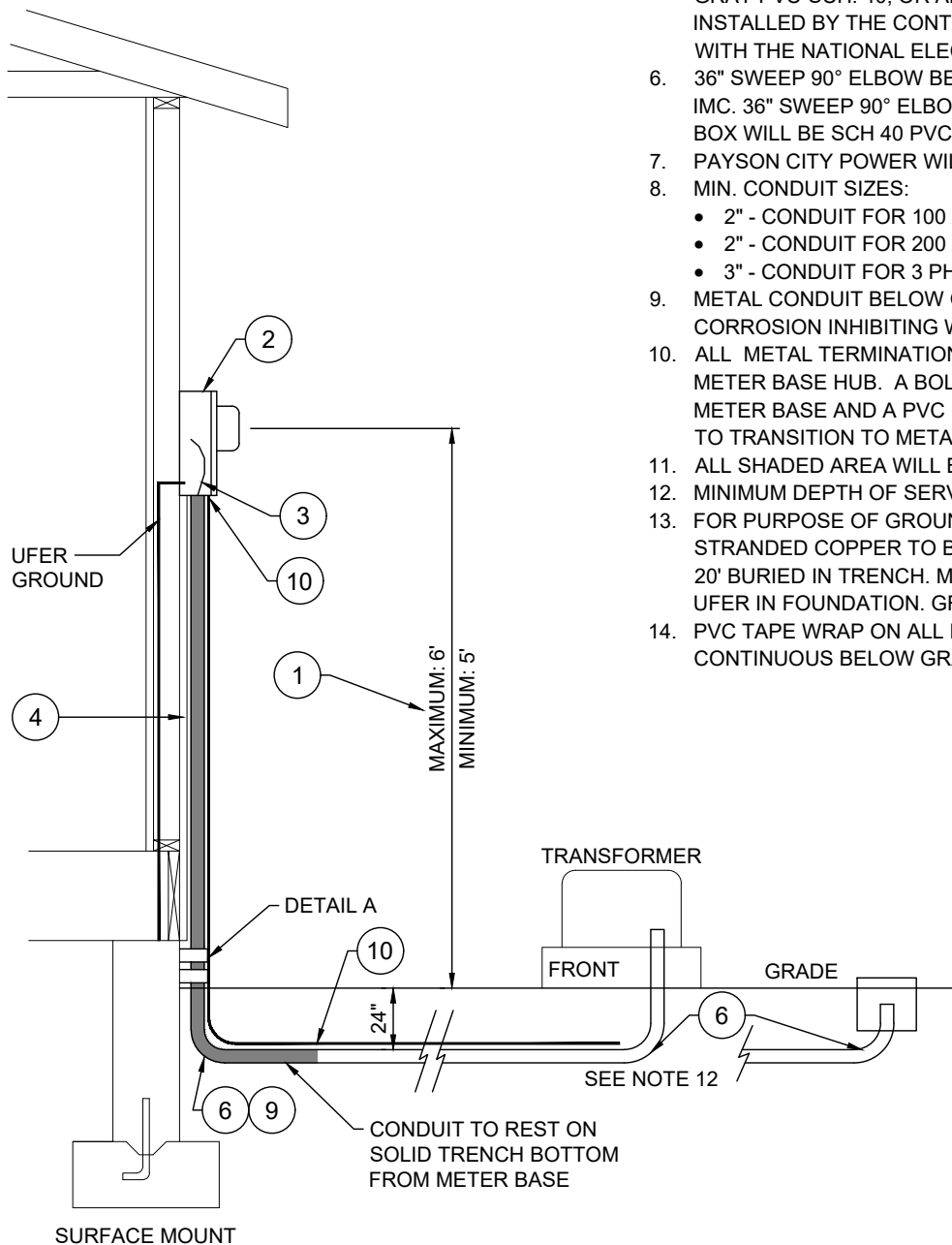
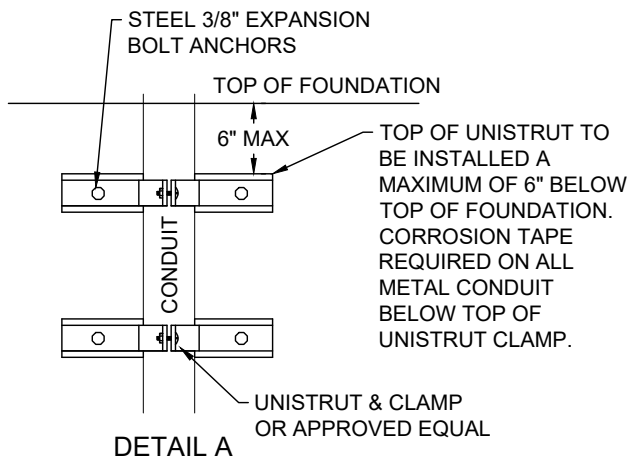
20. ALL WORK AND MATERIALS TO CONFORM TO NATIONAL ELECTRIC CODE AND PAYSON CITY STANDARDS.
21. ALL POWER CONDUITS TO BE GRAY SCH 40 PVC OR APPROVED EQUAL.
22. NO OTHER UTILITY IS PERMITTED IN GRAY CONDUIT.
23. COORDINATE ALL ELECTRICAL WORK WITH PAYSON CITY POWER.

PAYSON CITY CONTACTS			
COMPANY / DEPARTMENT	NAME	TITLE	PHONE
DEVELOPMENT SERVICES	JILL SPENCER	CITY PLANNER	801-465-5233
DEVELOPMENT SERVICES	JON SNELGROVE	BUILDING INSPECTOR	801-465-5129
DEVELOPMENT SERVICES	MARTY DARGEL	DEVELOPMENT SERVICES EXECUTIVE ASSISTANT	801-465-5214
DEVELOPMENT SERVICES	ROBERT MILLS	DEVELOPMENT SERVICES DIRECTOR	801-465-5268
ENGINEERING	JOE JAMISON	GIS ADMINISTRATOR	801-465-5266
ENGINEERING	JONATHAN KNIGHT	DEVELOPMENT ENGINEER	385-895-8410
ENGINEERING	TRAVIS JOCKUMSEN	PW DIRECTOR / CITY ENGINEER	801-465-5235
FIRE	SCOTT SPENCER	FIRE CHIEF	801-465-5251
POLICE	BRAD BISHOP	POLICE CHIEF	801-465-5240
POWER	BRAD KEARL	ELECTRICAL DISTRIBUTION SUPERINTENDENT	801-465-5270
POWER	BRIAN STEVENSON	POWER PLANT SUPERINTENDENT	801-465-5274
PUBLIC WORKS	DEBBIE BUSHNELL	PUBLIC WORKS EXECUTIVE ASSISTANT	801-465-5217
PUBLIC WORKS	KYLE ANDERSON	PUBLIC WORKS INSPECTOR	801-465-5217
SEWER	JEFF HIATT	SEWER SYSTEM SUPERINTENDENT	801-465-5277
SEWER	TYLER LOWE	TREATMENT PLANT OPERATOR	801-465-5277
STORM DRAIN	JESSE SMITH	SWPP INSPECTOR	801-465-5230
STREETS	KENT FOWDEN	STREETS/STORMWATER SUPERINTENDENT	801-465-5230
WATER	CAMERON PHILLIPS	WATER SYSTEM SUPERINTENDENT	801-465-5278
PRIVATE UTILITY CONTACTS			
CENTURY LINK	BILL WESTFALL	ENGINEER	435-660-0923
COMCAST	ELYSIA VALDEZ	COORDINATOR	801-201-0177
DOMINION ENERGY	DAVE CHRISTENSEN	PRE-CONSTRUCTION REP	801-853-6586
SALEM CANAL IRRIGATION CO	CODY HORTON	WATER MASTER	801-362-5548
STRAWBERRY HIGH LINE CANAL	MARTY LARSON	GENERAL MANAGER	801-465-4824
UTOPIA	KEITH PERKINS	CONSTRUCTION MANAGER	801-613-3863
MISCELLANEOUS CONTACTS			
NEBO SCHOOL DISTRICT	MATT GLEDHILL	DIRECTOR OF OPERATIONS	801-354-7433
PAYSON POST OFFICE	RON MENDELL	POSTMASTER	801-465-1457



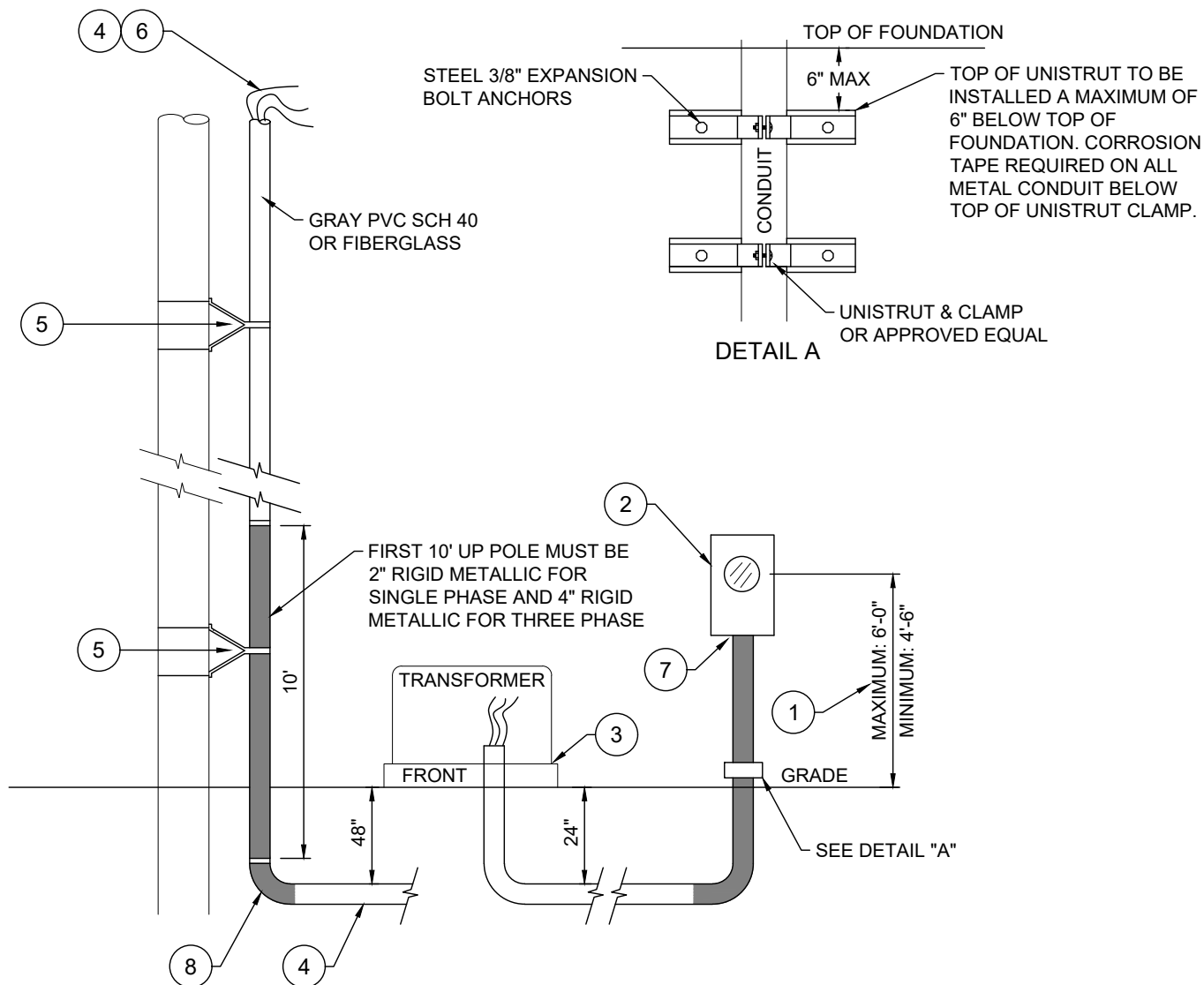
NOTES:

1. HEIGHT OF METER 5'-6" AND NOT TO EXCEED 6', AND NOT LOWER THAN 5'.
2. METER BASE FURNISHED AND INSTALL BY THE CONTRACTOR. (A MANUAL BYPASS IS REQUIRED ON 3 PHASE).
3. STANDPIPE SHALL BE A MINIMUM 2" RIGID METALLIC, OR IMC, AND EXTEND ABOVE ROOF A MINIMUM OF 18" AS OF NEC 230-24.
4. BRIDAL GUY TO BE INSTALLED IF NECESSARY.
5. CONDUCTORS FURNISHED AND INSTALLED BY CONTRACTOR TO EXTEND 18" FROM THE WEATHER HEAD AND SHALL COMPLY WITH THE NATIONAL ELECTRIC CODE.
 - 100 AMP 1/0 URD
 - 125 AMP 1/0 URD
 - 150 AMP 2/0 URD
 - 200 AMP 4/0 URD
 OXIDE INHIBITING COMPOUND SHALL BE USED ON ALL ALUMINUM CONNECTIONS.
6. ALL METAL TERMINATIONS SHALL HAVE BUSHINGS OR METER BASE HUB.
7. PAYSON CITY POWER WILL FURNISH AND INSTALL METERS.
8. MIN. CONDUIT SIZES:
 - 2" - CONDUIT FOR 100 AMP SERVICE.
 - 2" - CONDUIT FOR 200 AMP SERVICE.
 - 3" - CONDUIT FOR 3 PHASE, 200 AMP SERVICE.
9. ALL SHADED AREA WILL BE RIGID METALLIC CONDUIT OR IMC.
10. NO COUPLING WITHIN 10' OF WEATHER HEAD.
11. (2) 5/8" X 8' COPPER CLAD GROUND RODS SPACED 8' APART SHALL BE USED WITH A MINIMUM OF #6 COPPER CONNECTING TO THE METER BASE. METER BASE TO BE TIED TO UFER WHERE APPLICABLE.



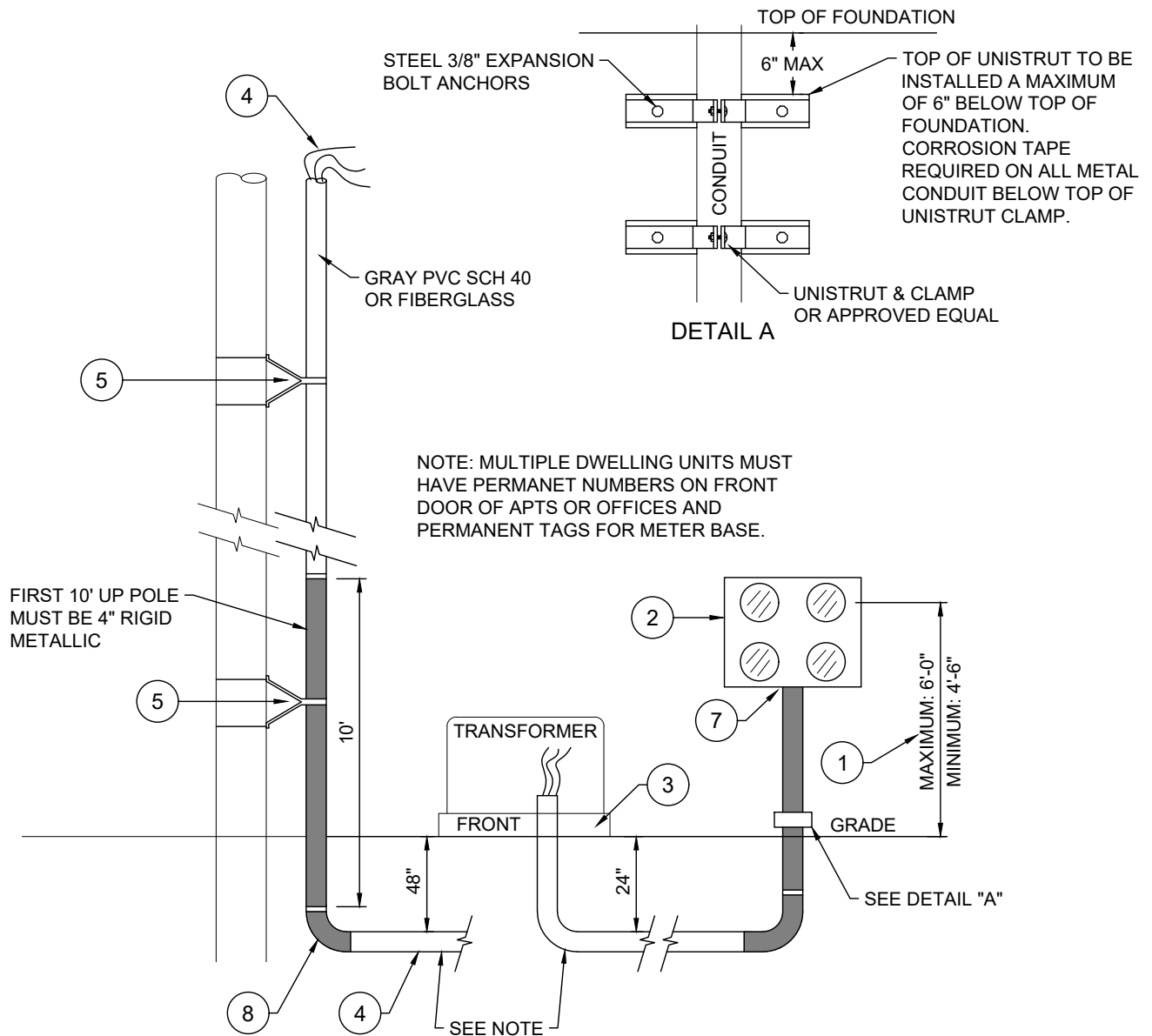
NOTES:

1. HEIGHT OF METER 5'6" AND NOT TO EXCEED 6', AND NOT LOWER THAN 5'.
2. METER BASE FURNISHED AND INSTALL BY THE CONTRACTOR. (A MANUAL BYPASS IS REQUIRED ON 3 PHASE).
3. MINIMUM SIZE SERVICE WIRE PROVIDED BY CONTRACTOR.
 - 100 AMP 1/0 URD
 - 125 AMP 1/0 URD
 - 150 AMP 2/0 URD
 - 200 AMP 4/0 URD
 OXIDE INHIBITING COMPOUND SHALL BE USED ON ALL ALUMINUM CONNECTIONS.
4. CONDUIT TO BE RIGID METALLIC OR IMC FROM GROUND TO METER BASE, (MIN 2") FURNISHED AND INSTALLED BY CONTRACTOR.
5. CONDUIT FROM BUILDING TO CONNECTION POINT WILL BE GRAY PVC-SCH. 40, OR APPROVED EQUAL, FURNISHED AND INSTALLED BY THE CONTRACTOR. CONDUIT WILL COMPLY WITH THE NATIONAL ELECTRIC CODE.
6. 36" SWEEP 90° ELBOW BELOW METER BASE WILL BE RIGID OR IMC. 36" SWEEP 90° ELBOW AT SECONDARY CONNECTION BOX WILL BE SCH 40 PVC.
7. PAYSON CITY POWER WILL FURNISH AND INSTALL METERS.
8. MIN. CONDUIT SIZES:
 - 2" - CONDUIT FOR 100 AMP SERVICE.
 - 2" - CONDUIT FOR 200 AMP SERVICE.
 - 3" - CONDUIT FOR 3 PHASE, 200 AMP SERVICE.
9. METAL CONDUIT BELOW GRADE WILL BE PROTECTED BY A CORROSION INHIBITING WRAP. (10 MILL. PVC PIPE WRAP)
10. ALL METAL TERMINATIONS SHALL HAVE BUSHINGS OR METER BASE HUB. A BOLT ON HUB SHALL BE USED AT THE METER BASE AND A PVC FEMALE ADAPTOR SHALL BE USED TO TRANSITION TO METAL CONDUIT.
11. ALL SHADED AREA WILL BE RIGID METALLIC CONDUIT OR IMC.
12. MINIMUM DEPTH OF SERVICE TRENCH TO BE 24".
13. FOR PURPOSE OF GROUNDING, A MINIMUM OF #2 BARE STRANDED COPPER TO BE INSTALLED WITH A MINIMUM OF 20' BURIED IN TRENCH. METER BASE SHALL ALSO BE TIED TO UFER IN FOUNDATION. GROUNDING TO MEET NEC.
14. PVC TAPE WRAP ON ALL METAL PIPE BELOW CLAMP, CONTINUOUS BELOW GRADE TO PVC PIPE.



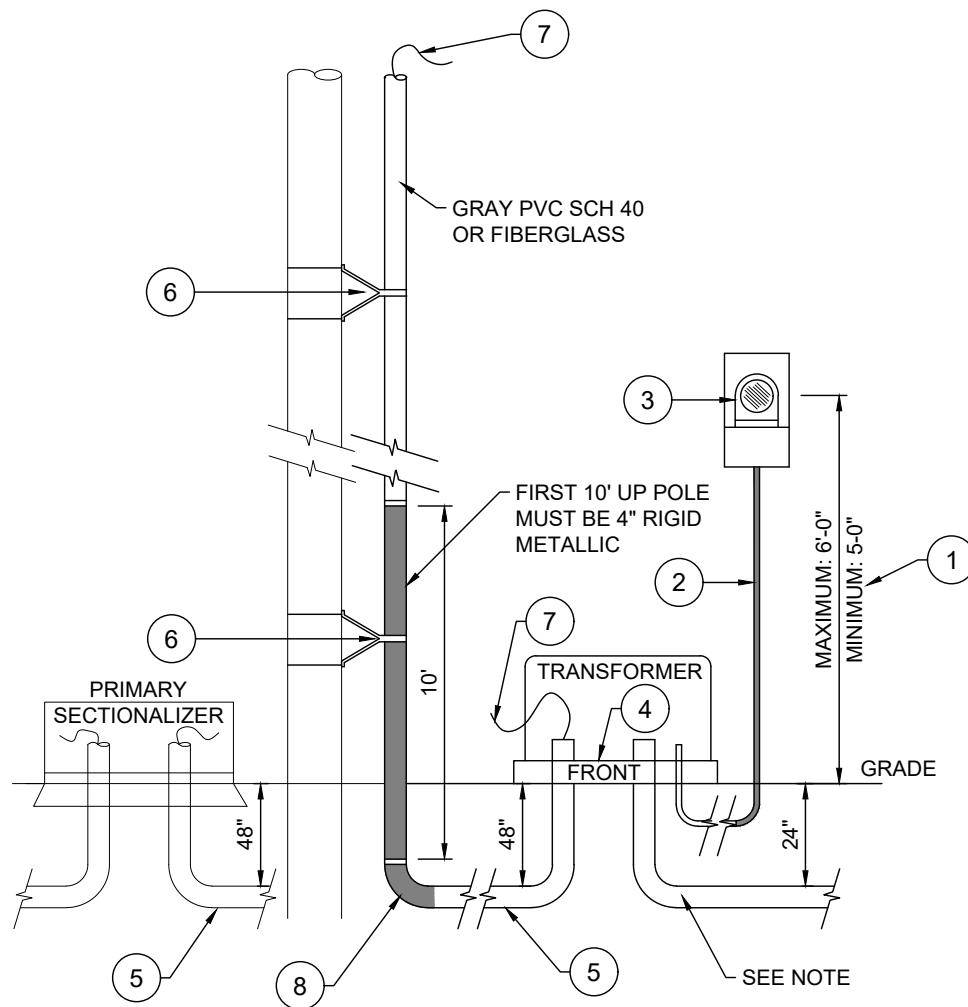
NOTES:

1. HEIGHT OF METER 5'-6" AND NOT TO EXCEED 6', AND NOT LOWER THAN 5'.
2. METER SOCKET TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR.
3. PAD OR VAULT FLOOR FURNISHED AND INSTALLED BY CONTRACTOR TO GRADE.
4. SERVICE CONDUIT AND CONDUCTORS FURNISHED AND INSTALLED BY THE CONTRACTOR SHALL COMPLY WITH THE NATIONAL ELECTRICAL CODE.
5. CONTRACTOR TO FURNISH STAND-OFF BRACKETS, CLAMPS AND LAGS, MINIMUM OF ONE FOR EVERY TEN FOOT LENGTH OF CONDUIT.
6. CONTRACTOR TO FURNISH AND INSTALL 2500 LB MULE TAPE FOR PULLING IN PRIMARY CONDUCTORS WITH TEN FEET EXTENDING FROM EACH END.
7. ALL METAL TERMINATIONS SHALL HAVE BUSHINGS OR METER BASE HUB.
8. METAL CONDUIT BELOW GRADE WILL BE PROTECTED BY A CORROSION INHIBITING WRAP. (10 MILL PVC PIPE WRAP). ALL 90° ELBOWS WILL BE 36" SWEEPS.
9. SERVICE CONDUIT WILL MEET WESTERN UNDERGROUND COMMITTEE SPEC.3.1. CONDUIT AND CONDUCTORS WILL COMPLY WITH NATIONAL ELECTRICAL CODE, AND BE FURNISHED AND INSTALLED BY CONTRACTOR.
10. ALL SHADED AREA WILL BE RIGID METALLIC CONDUIT.
11. MINIMUM DEPTH OF SERVICE TRENCH TO BE 24" (2 FEET) FROM TOP OF CONDUIT.
12. MINIMUM DEPTH OF TRENCH FOR PRIMARY LINE WILL BE 48" (4 FEET) FROM TOP OF CONDUIT.



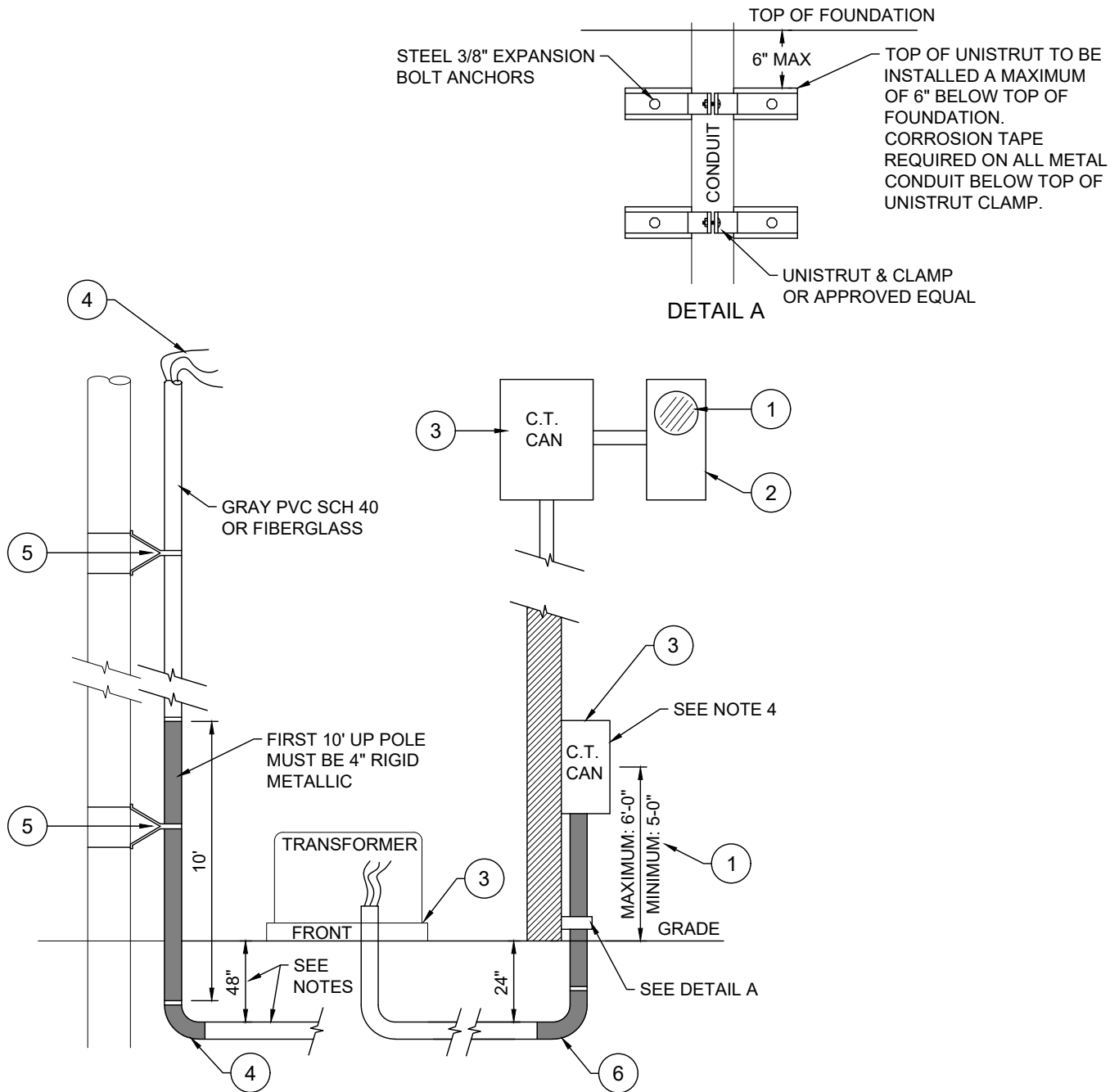
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2. METER SOCKET TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR.
3. PAD OR VAULT FLOOR FURNISHED AND INSTALLED BY CONTRACTOR TO GRADE.
4. SERVICE CONDUIT AND CONDUCTORS FURNISHED AND INSTALLED BY THE CONTRACTOR SHALL COMPLY WITH THE NATIONAL ELECTRICAL CODE AND UTILITY STANDARDS.
5. CONTRACTOR TO FURNISH STAND-OFF BRACKETS, CLAMPS AND LAGS, MINIMUM OF ONE FOR EVERY TEN FOOT LENGTH OF CONDUIT. CITY WILL BUILD RISER PAST THE 1ST 10 FEET.
6. CONTRACTOR TO FURNISH AND INSTALL 2500 LB MULE TAPE FOR PULLING IN PRIMARY CONDUCTORS WITH TEN FEET EXTENDING FROM EACH END.
7. ALL METAL TERMINATIONS SHALL HAVE BUSHINGS OR METER BASE HUB.
8. METAL CONDUIT BELOW GRADE WILL BE PROTECTED BY A CORROSION INHIBITING WRAP. (10 MILL PVC PIPE WRAP). ALL 90° ELBOWS WILL BE 36" SWEEPS.
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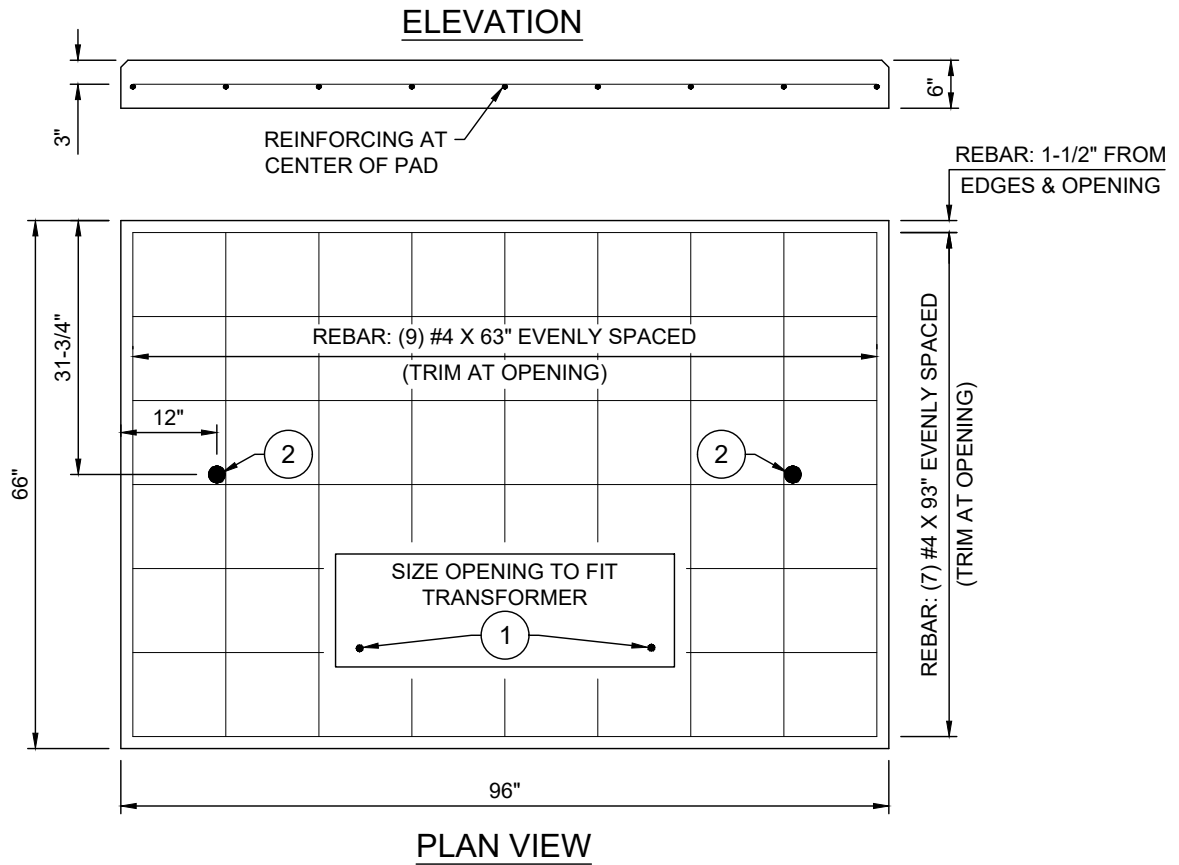
NOTES:

1. HEIGHT OF METER NOT TO EXCEED 6', AND NOT LOWER THAN 5'.
2. METERING CONDUIT: METALLIC 1" RIGID CONDUIT. TO BE LOCATED NEAR THE FRONT OF PAD SECONDARY OPENING AND HAVE GROUND WIRE AND BUSHING ATTACHED. ALL TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR.
3. METER SOCKET: FURNISHED AND INSTALLED BY PAYSON CITY POWER. CALL 801-465-5274 FOR MOUNTING INFORMATION.
4. PAD OR VAULT FLOOR: FURNISHED AND INSTALLED BY CONTRACTOR.
5. PRIMARY CONDUIT: 2" FOR SINGLE PHASE AND 4" GRAY PVC SCH 40 FOR THREE PHASE, OR APPROVED EQUAL, AND MEET NEC. FURNISHED AND INSTALLED BY THE CONTRACTOR UNLESS OTHERWISE APPROVED BY UTILITY.
6. CONTRACTOR TO FURNISH STANDOFF BRACKETS, CLAMP AND LAGS. MINIMUM OF ONE FOR EVERY 10 FEET OF CONDUIT.
7. CONTRACTOR TO FURNISH AND INSTALL 2500 LB MULE TAPE FOR PULLING IN PRIMARY CONDUCTORS WITH TEN FEET EXTENDING FROM EACH END.
8. METAL CONDUIT BELOW GRADE WILL BE PROTECTED BY A CORROSION INHIBITING WRAP. ALL 90° ELBOWS WILL BE 36" SWEEPS.
9. ALL SHADED AREA WILL BE RIGID METALLIC CONDUIT.
10. MINIMUM DEPTH OF SERVICE TRENCH TO BE 24" (2 FEET) FROM THE TOP OF THE CONDUIT.
11. SERVICE CONDUIT AND CONDUCTORS FURNISHED AND INSTALLED BY THE CUSTOMER WILL COMPLY WITH THE NATIONAL ELECTRICAL CODE.
12. ALL METAL TERMINATIONS SHALL HAVE BUSHINGS OR METER BASE HUB.



NOTES:

1. HEIGHT OF METER NOT TO EXCEED 6', AND NOT LOWER THAN 5'.
2. METER SOCKET TO BE FURNISHED AND INSTALLED BY PAYSON CITY POWER. CALL 801-465-5270 FOR MOUNTING INFORMATION.
3. C.T. CAN FURNISHED AND INSTALLED BY CONTRACTOR.
4. SERVICE CONDUIT AND CONDUCTORS FURNISHED AND INSTALLED BY THE CONTRACTOR SHALL COMPLY WITH THE NATIONAL ELECTRICAL CODE, AND UTILITY STANDARDS. ALL 90° BENDS WILL BE 36" SWEEPS.
5. CONTRACTOR TO FURNISH STAND-OFF BRACKETS, CLAMPS, LAGS AND UNISTRUT, 1-1/2" DEEP. INSTALL A MINIMUM OF ONE FOR EVERY TEN FOOT LENGTH OF CONDUIT.
6. METAL CONDUIT BELOW GRADE WILL BE PROTECTED BY A CORROSION INHIBITING WRAP. (10 MIL PVC WRAP)
7. SERVICE CONDUIT WILL MEET WESTERN UNDERGROUND COMMITTEE SPEC.3.1. CONDUIT AND CONDUCTORS WILL COMPLY WITH NATIONAL ELECTRICAL CODE, AND BE FURNISHED AND INSTALLED BY CONTRACTOR.
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10. ALL METAL TERMINATIONS SHALL HAVE BUSHINGS OR METER HUB.

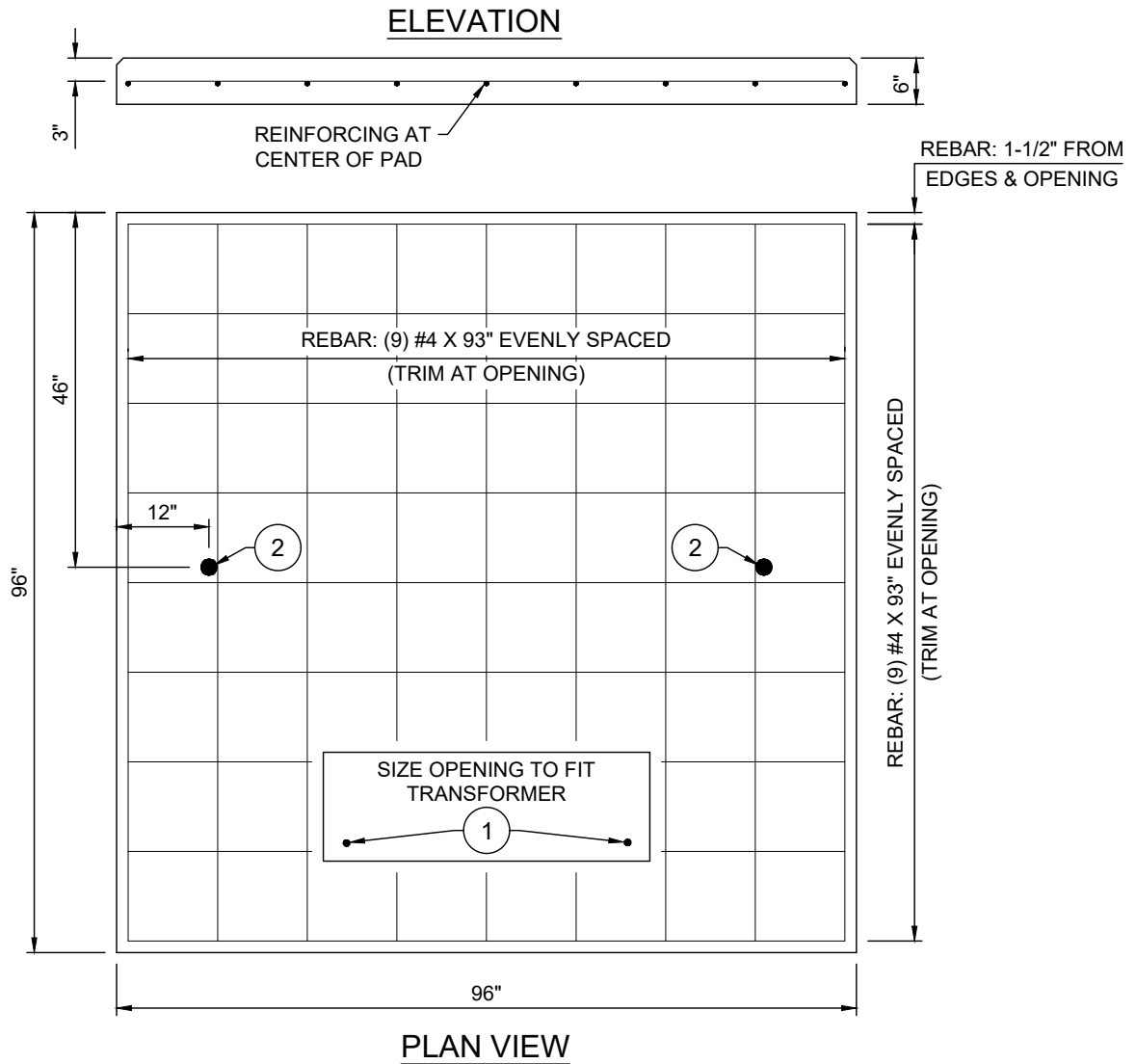


KEYED NOTES:

- ① 5/8" X 8'-0" COPPER CLAD GROUND ROD
- ② PAD ANCHOR (2 PLACES FOR PRECAST PAD)

NOTES:

1. PAD MAY BE PRECAST OR CAST-IN-PLACE
2. CONCRETE TO BE 4000 PSI MIN
3. CAST-IN-PLACE MIX MUST BE APPROVED PRIOR TO INSTALLATION
4. MIX SHOULD MEET APWA SPECIFICATIONS AT A MINIMUM
5. INSTALLATION LOCATION TO BE APPROVED BY PAYSON POWER

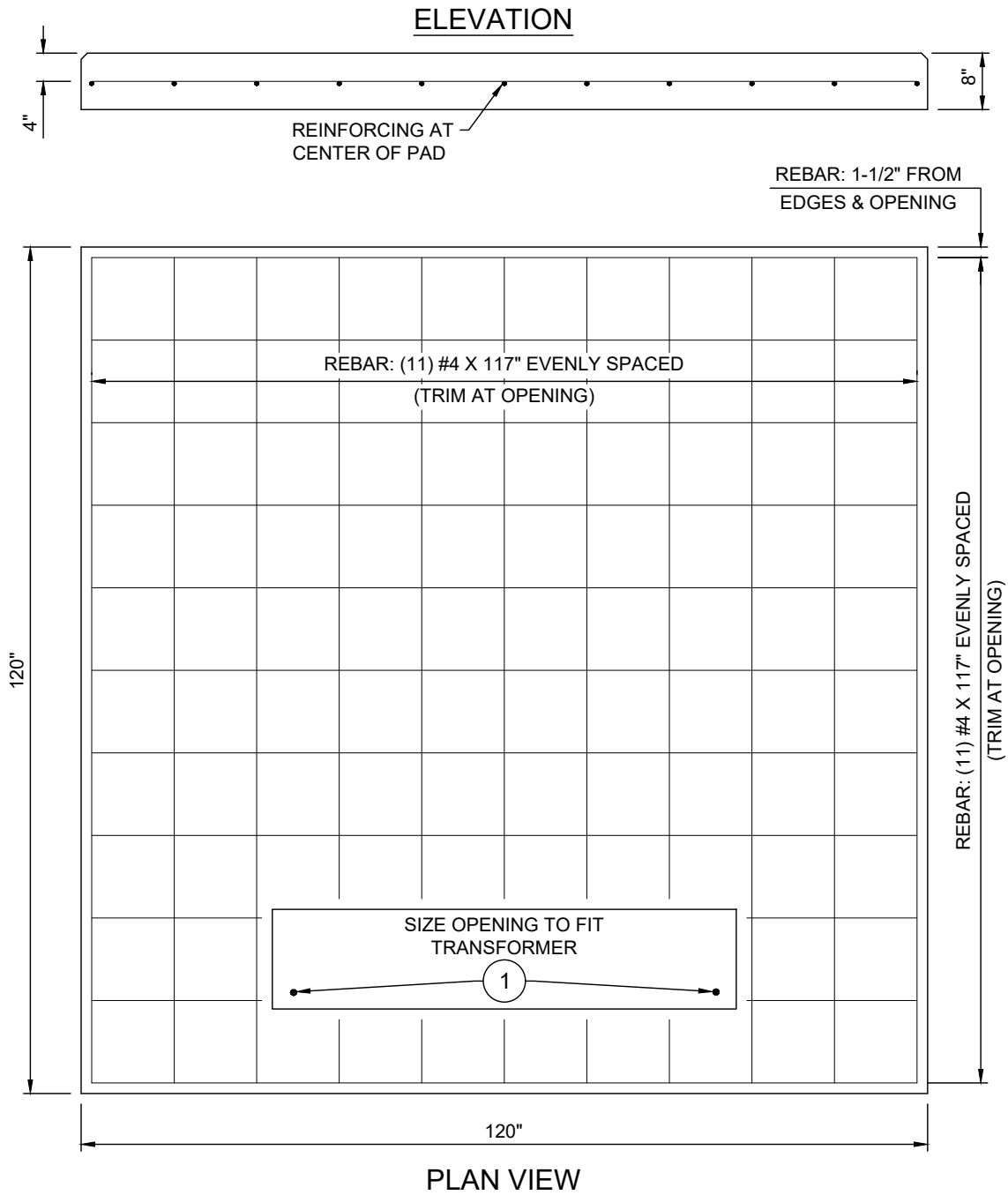


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5. INSTALLATION LOCATION TO BE APPROVED BY PAYSON POWER

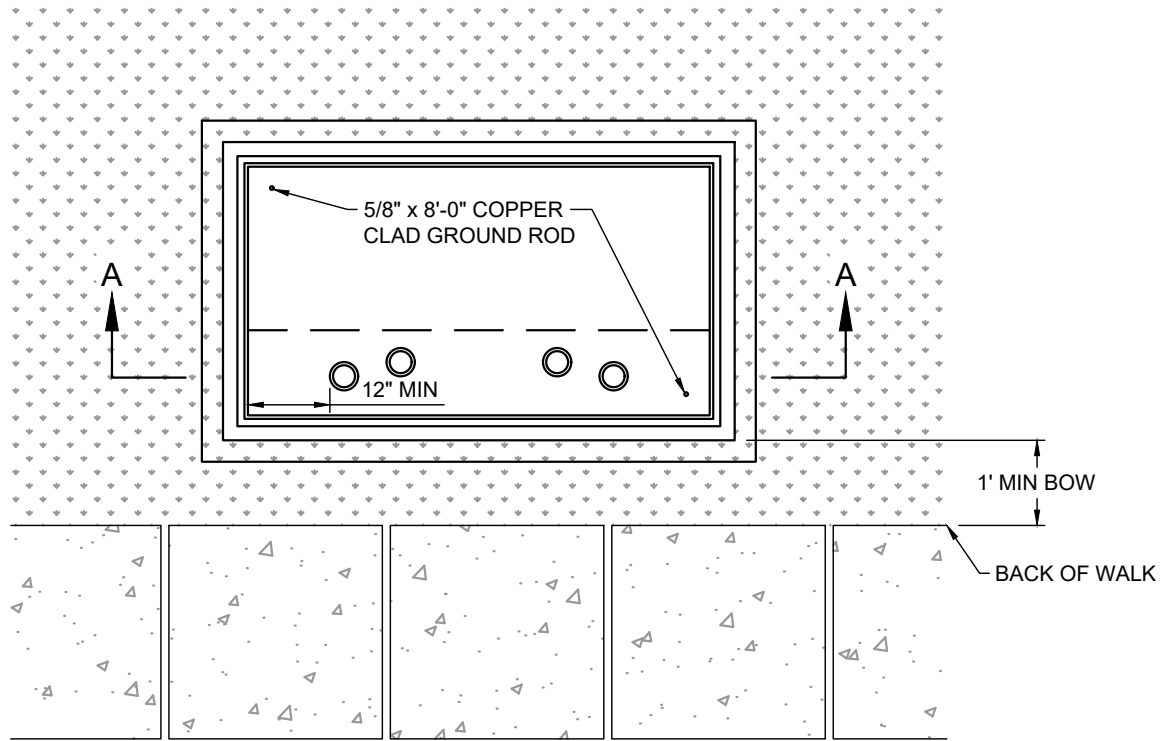


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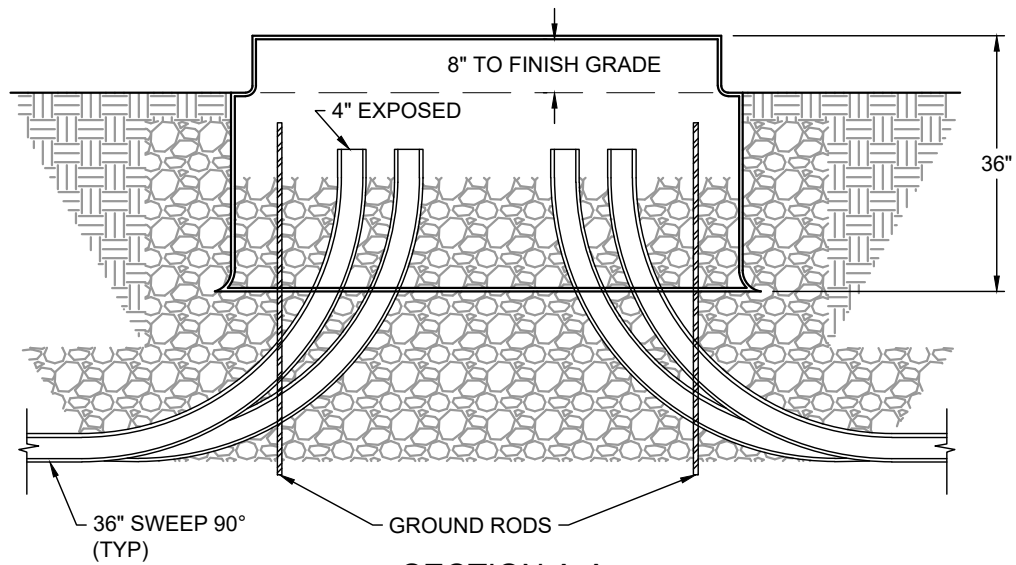
- ① 5/8" X 8'-0" COPPER CLAD GROUND ROD

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4. MIX SHOULD MEET APWA SPECIFICATIONS AT A MINIMUM
5. INSTALLATION LOCATION TO BE APPROVED BY PAYSON POWER



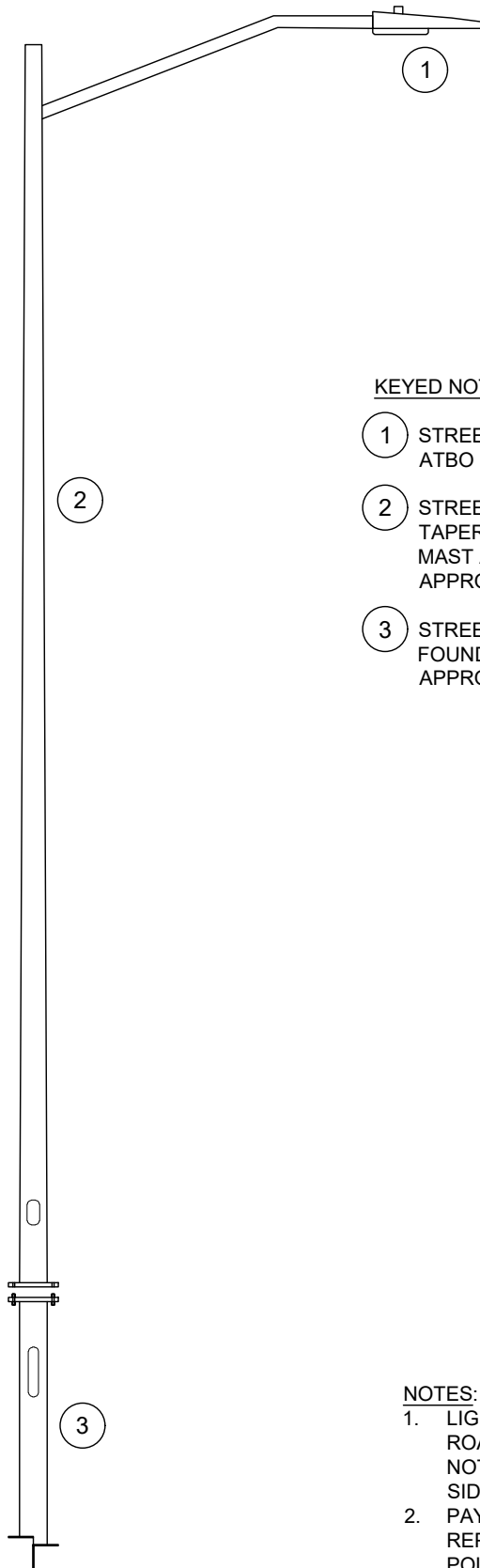
PLAN VIEW



SECTION A-A

NOTES:

1. 10' OF 4/0 BARE COPPER FOR GROUNDING, CITY WILL INSTALL
2. LONG SIDE OF BOX TO PARALLEL SIDEWALK

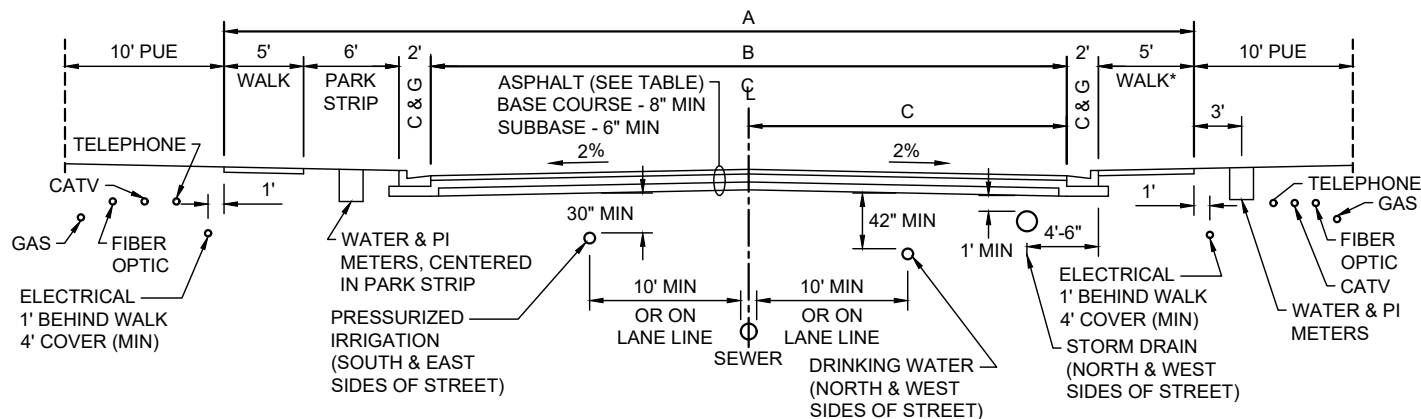


KEYED NOTES:

- ① STREET LIGHT FIXTURE: AMERICAN ELECTRIC LIGHTING ATBO 30BLEDE10 MVOLT R4 P7 PCSS OR APPROVED EQUIVALENT
- ② STREET LIGHT POLE: HOLOPHANE FRTAU206GBMAUS8 SB 2 ROUND TAPERED ALUMINUM POLE 25 FT, 6.0 x 4.0 x 0.188 WALL, BOLT ON MAST ARM SINGLE 8 FT, SATIN BRUSH ALUMINUM FINISH OR APPROVED EQUIVALENT
- ③ STREET LIGHT POLE FOUNDATION: AB CHANCE C11232JG4VL POLE FOUNDATION 6" DIAMETER FITS 9' TO 14' POLE BASE HEIGHT 60" OR APPROVED EQUIVALENT

NOTES:

- 1. LIGHT POLES TO BE LOCATED NEAR THE INTERSECTION OF TWO ROADS AND IN THE PLANTER STRIP. IF A PLANTER STRIP DOES NOT EXIST AND THERE IS A MONOLITHIC CURB, GUTTER, AND SIDEWALK, LOCATE THE POLE BEHIND THE SIDEWALK.
- 2. PAYSON CITY POWER SUPERINTENDENT OR ONE OF HIS REPRESENTATIVES WILL APPROVE THE LOCATION OF THE LIGHT POLE PRIOR TO ITS PLACEMENT.



STREET DESIGNATION	A	B	C	ASPHALT THICKNESS**
A-5-H	VARIES	20'	10'	6" GRAVEL
MH ZONES	VARIES	24'	12'	3-1/2"
INFILL LOTS / PRIVATE ROADS	VARIES	26'	13'	3-1/2"
RESIDENTIAL	60'	34'	17'	3-1/2"
COLLECTOR	76'	50'	25'	5"
ARTERIAL	98'	72'	36'	5"
ARROWHEAD TRAIL***	108'	86'	43'	5" MIN

* THE TYPICAL SECTION IS A 5' SIDEWALK WITH A 6' PARK STRIP. A 5' SIDEWALK ADJACENT TO THE CURB IS ONLY ALLOWED IN HISTORIC AREAS AT THE DISCRETION OF THE CITY ENGINEER.

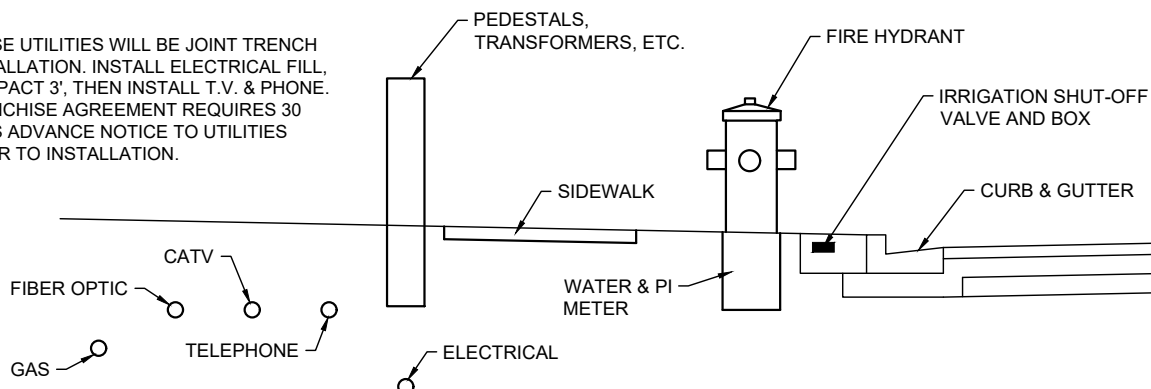
** TOTAL ASPHALT THICKNESS, 3-1/2" OR 5" AT CONSTRUCTION WITH A SLURRY SEAL AFTER 90% OF HOMES HAVE BEEN BUILT

THE A-5-H & HILLSIDE CROSS-SECTION IS ONLY FOR THESE USES AND THEY ARE PRIVATE ROADS. OTHER PRIVATE ROADS ARE ONLY ALLOWED FOR INFILL DEVELOPMENT OR PARCELS WITH PHYSICAL BARRIERS AND ARE NOT ALLOWED FOR ALL OTHER GREEN FIELD DEVELOPMENT. A SUBDIVISION OF 5 ACRES OR MORE IN SIZE DOES NOT QUALIFY FOR PRIVATE ROADS NO MATTER WHAT BARRIERS EXIST.

REFER TO THE ADOPTED TRANSPORTATION MASTER PLAN 2020 FOR STRIPING WIDTHS OF THE ROADS.

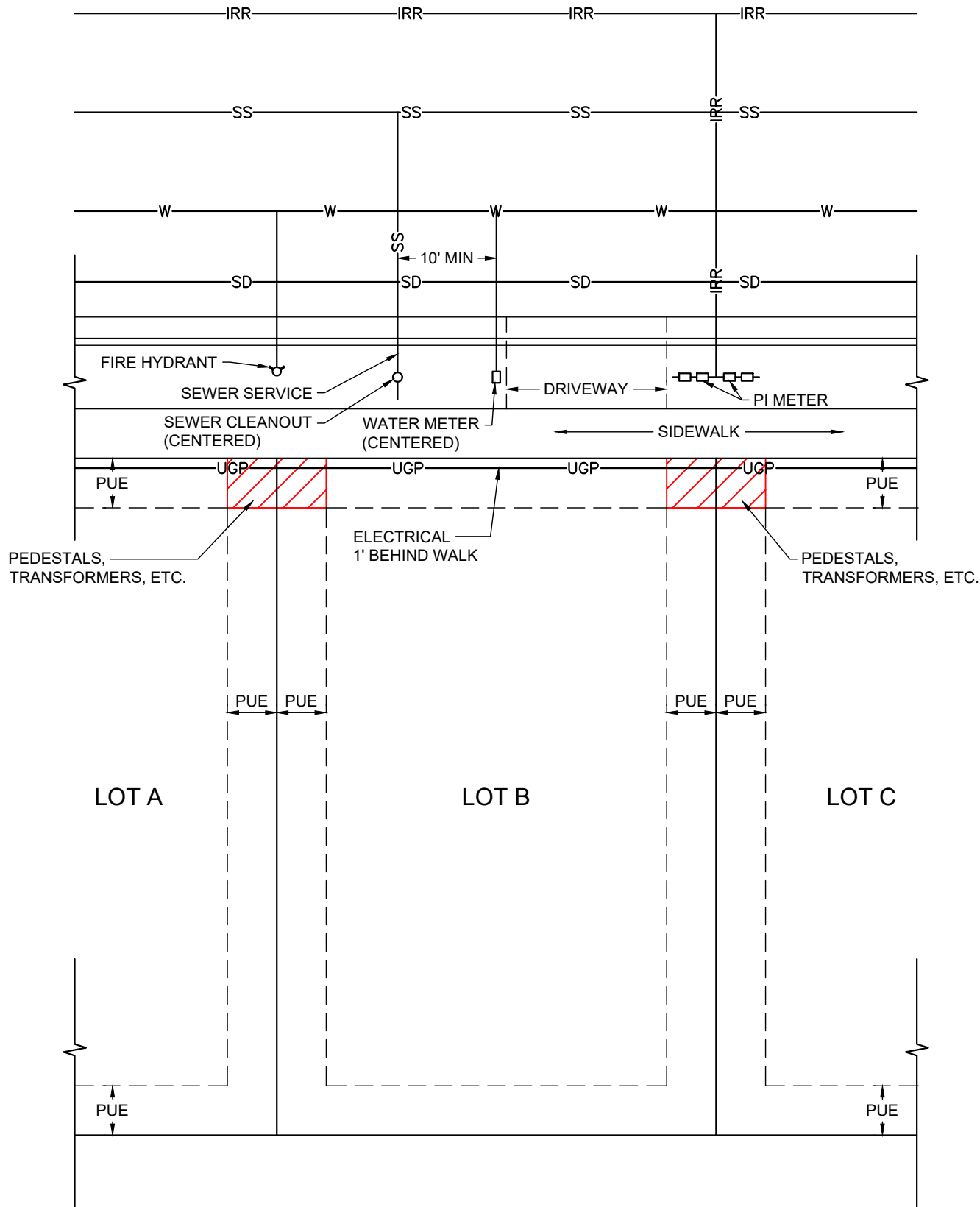
*** THE MINIMUM PAVEMENT SECTION IN ARROWHEAD TRAIL IS 5" HMA, 8" BASE COURSE, AND 10" SUBBASE. A GEOTECH REPORT IS REQUIRED TO DETERMINE IF THESE THICKNESSES ARE ADEQUATE OR WILL NEED TO BE INCREASED. ANY DEVELOPMENT TYING INTO ARROWHEAD TRAIL IS REQUIRED TO BUILD HALF THE ROAD FROM THE CENTERLINE.

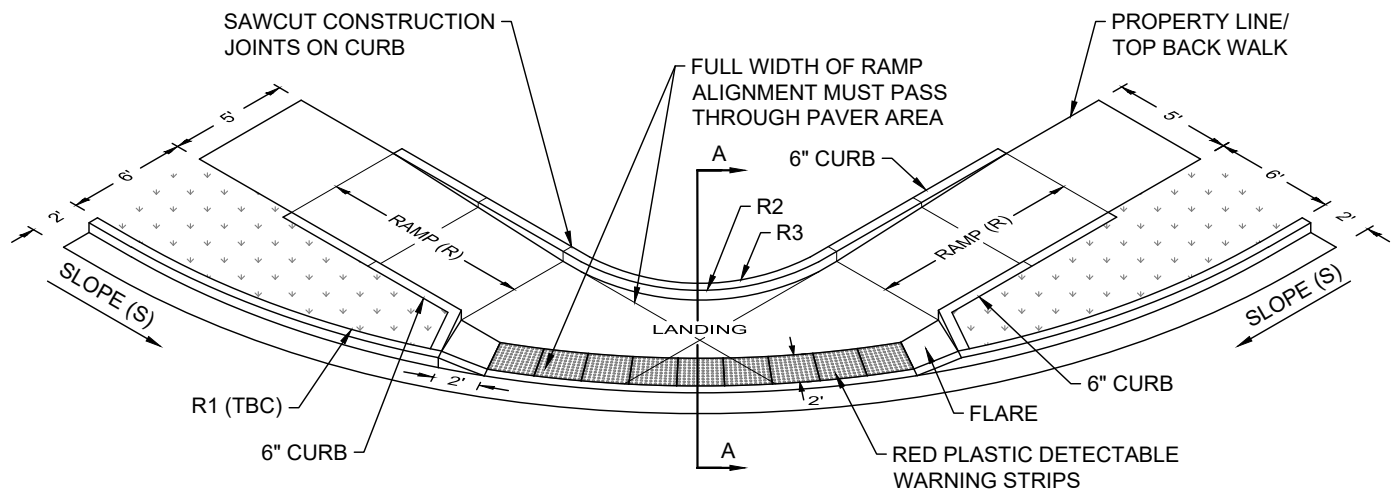
THESE UTILITIES WILL BE JOINT TRENCH INSTALLATION. INSTALL ELECTRICAL FILL, COMPACT 3", THEN INSTALL T.V. & PHONE. FRANCHISE AGREEMENT REQUIRES 30 DAYS ADVANCE NOTICE TO UTILITIES PRIOR TO INSTALLATION.



NOTES:

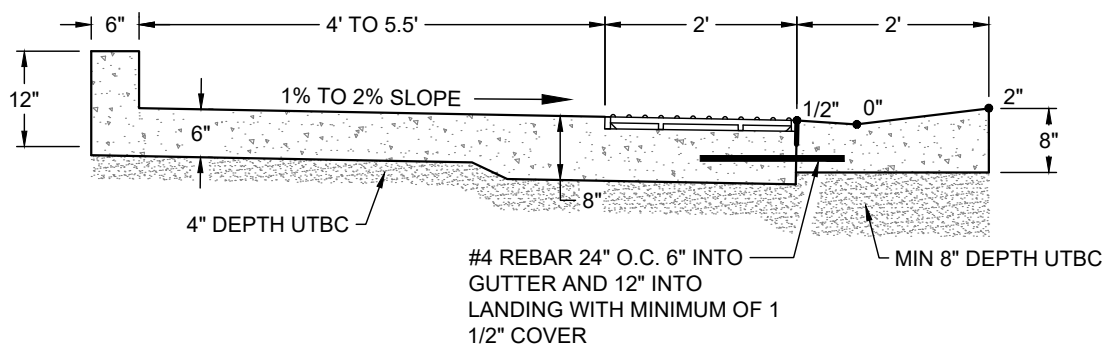
1. LOCATE CULINARY WATER AND PRESSURIZED IRRIGATION METER BOXES IN THE CENTER OF THE PLANTER STRIP. IF THERE IS MONOLITHIC CURB, GUTTER, AND SIDEWALK, INSTALL METER BOXES 3' BEHIND BACK OF WALK.
2. LOCATE ALL ABOVE GROUND APPURTENANCES (i.e. ELECTRICAL TRANSFORMERS AND TELEPHONE PEDESTALS) 1' BEHIND BACK OF WALK IN PUBLIC UTILITY EASEMENT.
3. SLOPE THE SIDEWALK TOWARD THE CURB AT 1/4" SLOPE.
4. INSTALL FIRE HYDRANTS ON THE WATER MAIN SIDE OF THE STREET, CENTERED IN THE PLANTER OR A MINIMUM OF 2' BEHIND BACK OF WALK FOR MONOLITHIC.





SLOPE OF CURB AND GUTTER TO LANDING (S)	RAMP LENGTH (R)	CURB WALL
0.45% OR LESS	5'	NO
0.45% TO 2.0%	10'	YES
2% OR MORE	15'	YES

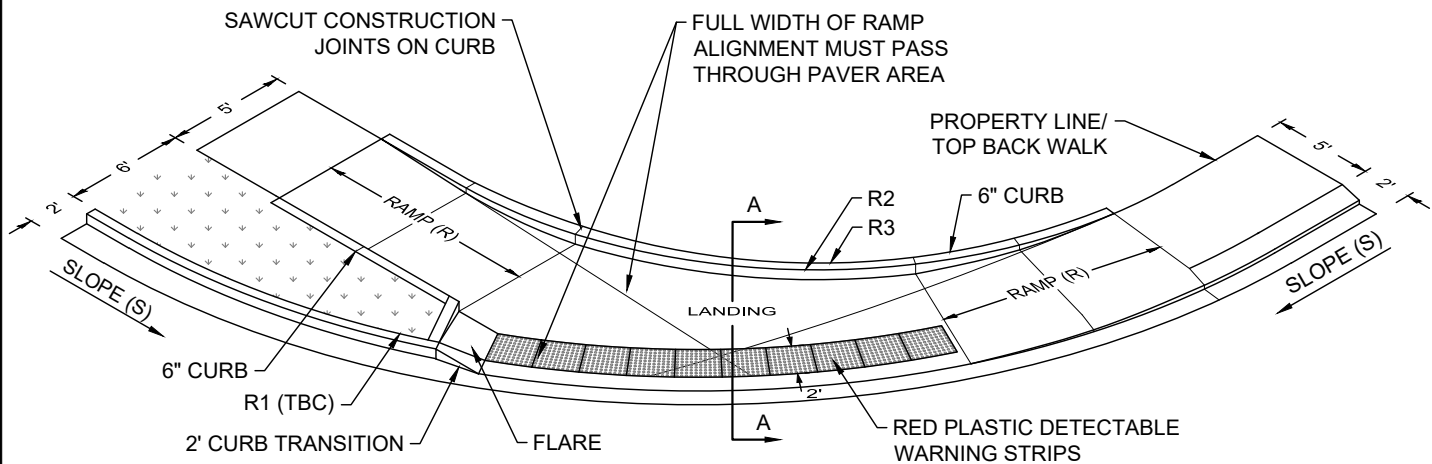
R1 = 35' RADIUS		R1 = 30' RADIUS		R1 = 25' RADIUS	
PROPERTY LINE RADIUS (R2)	TOP BACK CURB RADIUS (R3)	PROPERTY LINE RADIUS (R2)	TOP BACK CURB RADIUS (R3)	PROPERTY LINE RADIUS (R2)	TOP BACK CURB RADIUS (R3)
12'-0"	11'-6"	7'-0"	6'-6"	5'-6"	5'-0"



SECTION A-A

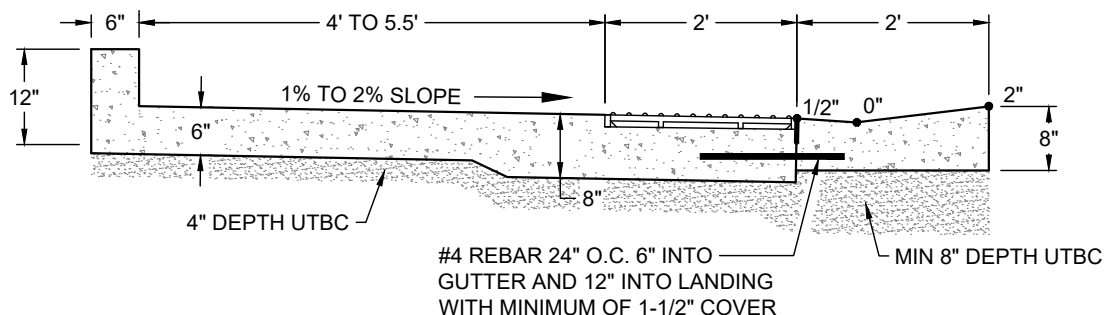
NOTES:

1. CONTRACTOR SHALL INSTALL DETECTABLE WARNING PLATES ACCORDING TO THE STANDARDS FOR PLASTIC DETECTABLE WARNING PLATES AND MATCH PATTERN IN THIS DRAWING. RADIAL PLATES SHALL BE A PLASTIC RED COLORED PLATE AND SHALL BE ACCORDING TO THE CORRECT TBC RADIUS.
2. THE MAXIMUM SLOPE OF A STREET WITHIN 25' OF THE BEGINNING OF RADIUS IS 5.5%. VARIATION TO THE SLOPE MUST BE APPROVED BY THE CITY ENGINEER.
3. THE SLOPE OF THE FLOWLINE OF GUTTER THROUGH A PEDESTRIAN RAMP SHALL BE 2.0% OR LESS OR APPROVED BY CITY ENGINEER.
4. CURB AND GUTTER SLOPE (S) AND RAMP LENGTHS (R) SHALL BE CLEARLY LABELED AND DRAWN ON ALL PLANS, SEE TABLE FOR (R2) AND (R3).
5. RAMPS SHALL NOT EXCEED A 1:12 SLOPE.
6. STANDARD PEDESTRIAN RAMPS HAVE BEEN DESIGNED FOR NEW CONSTRUCTION. REPLACEMENT OF EXISTING PEDESTRIAN RAMPS SHALL BE DESIGNED AND STAMPED BY A PROFESSIONAL ENGINEER AND APPROVED BY THE CITY ENGINEER OR HIS/HER DESIGNEE.
7. COLD WEATHER CONCRETE MIX AND INSTALLATION PER APWA STANDARDS AND SPECIFICATIONS REQUIRED OCTOBER 1 THRU MARCH 31, OR AS REQUIRED BY THE PUBLIC WORKS DIRECTOR OR DESIGNEE.



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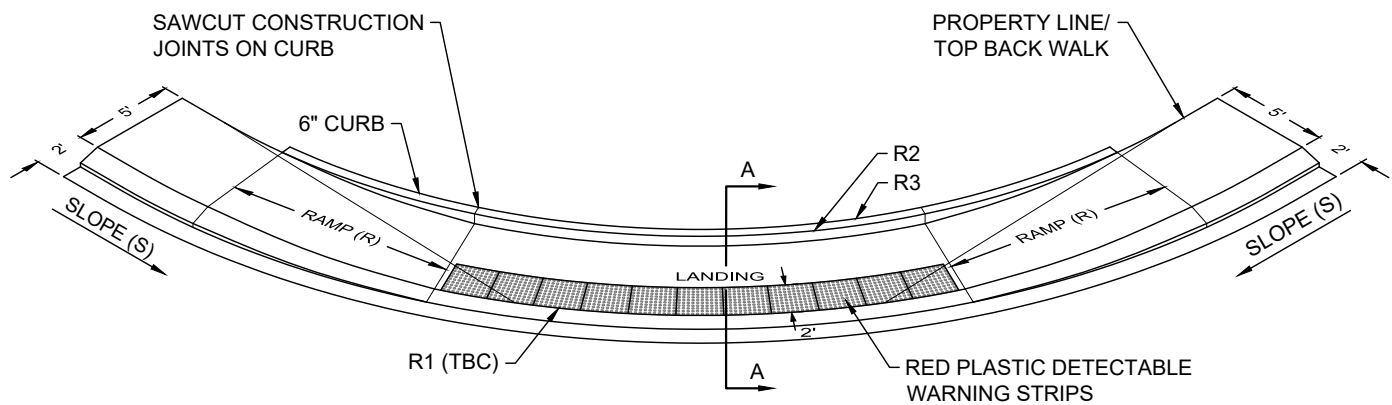
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PROPERTY LINE RADIUS (R2)	TOP BACK CURB RADIUS (R3)	PROPERTY LINE RADIUS (R2)	TOP BACK CURB RADIUS (R3)	PROPERTY LINE RADIUS (R2)	TOP BACK CURB RADIUS (R3)
23'-6"	23'-0"	19'-6"	19'-0"	13'-0"	12'-6"



SECTION A-A

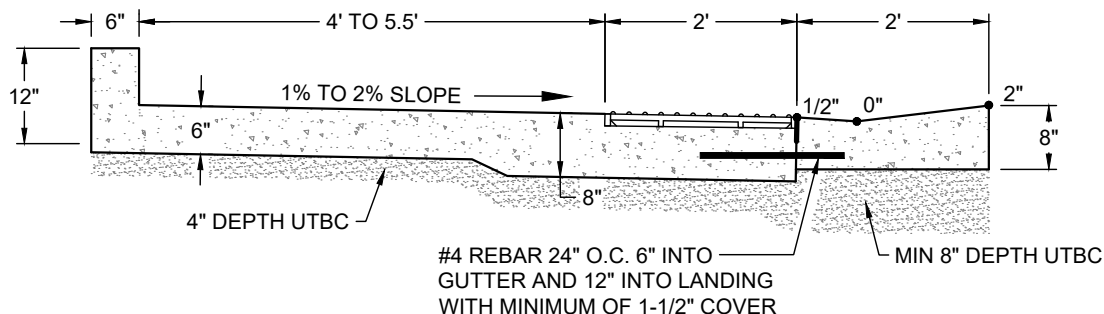
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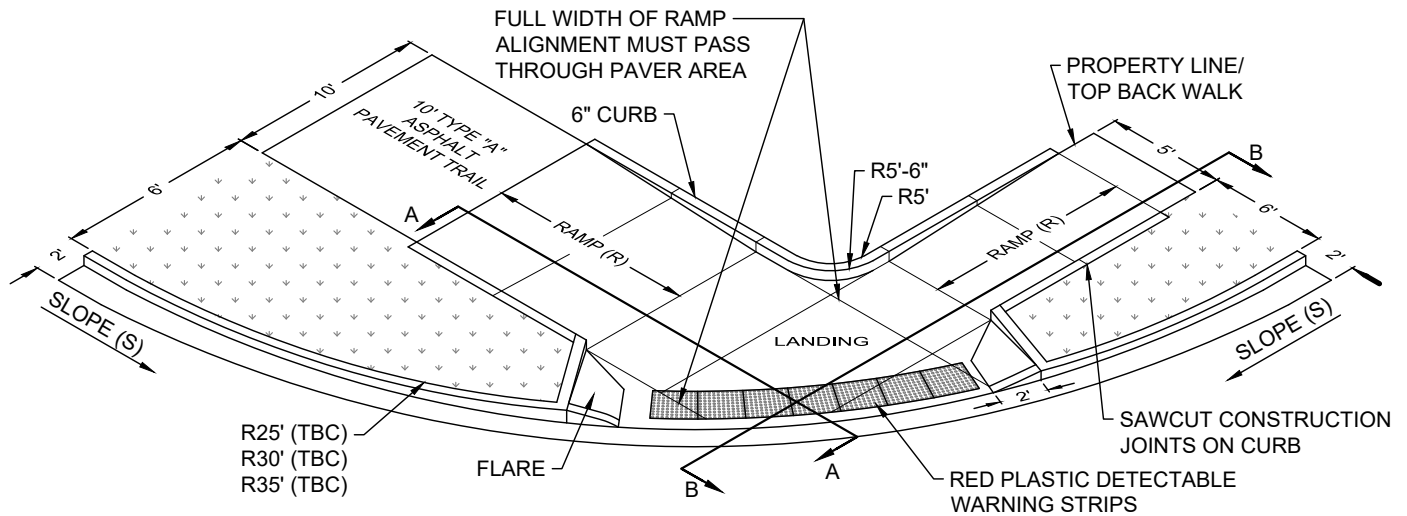
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PROPERTY LINE RADIUS (R2)	TOP BACK CURB RADIUS (R3)	PROPERTY LINE RADIUS (R2)	TOP BACK CURB RADIUS (R3)	PROPERTY LINE RADIUS (R2)	TOP BACK CURB RADIUS (R3)
30'-6"	30'-0"	25'-6"	25'-0"	20'-6"	20'-0"



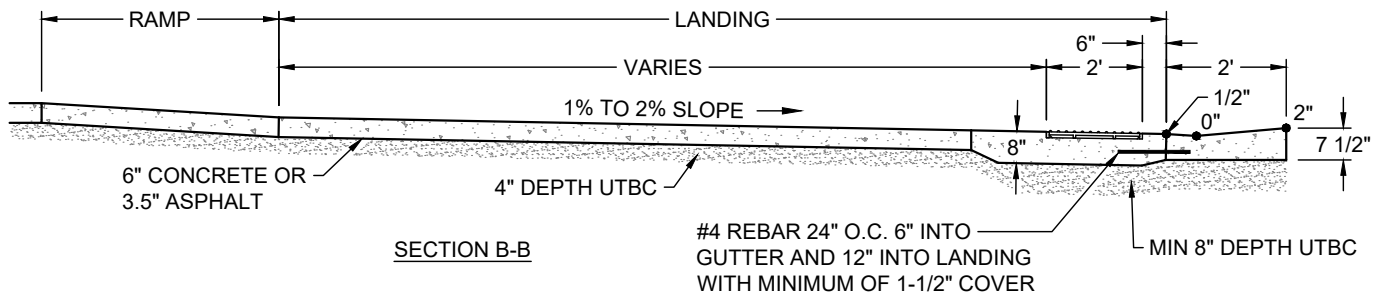
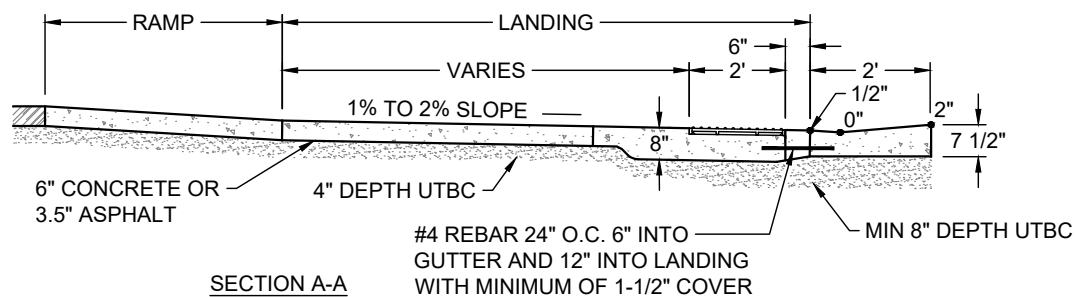
SECTION A-A

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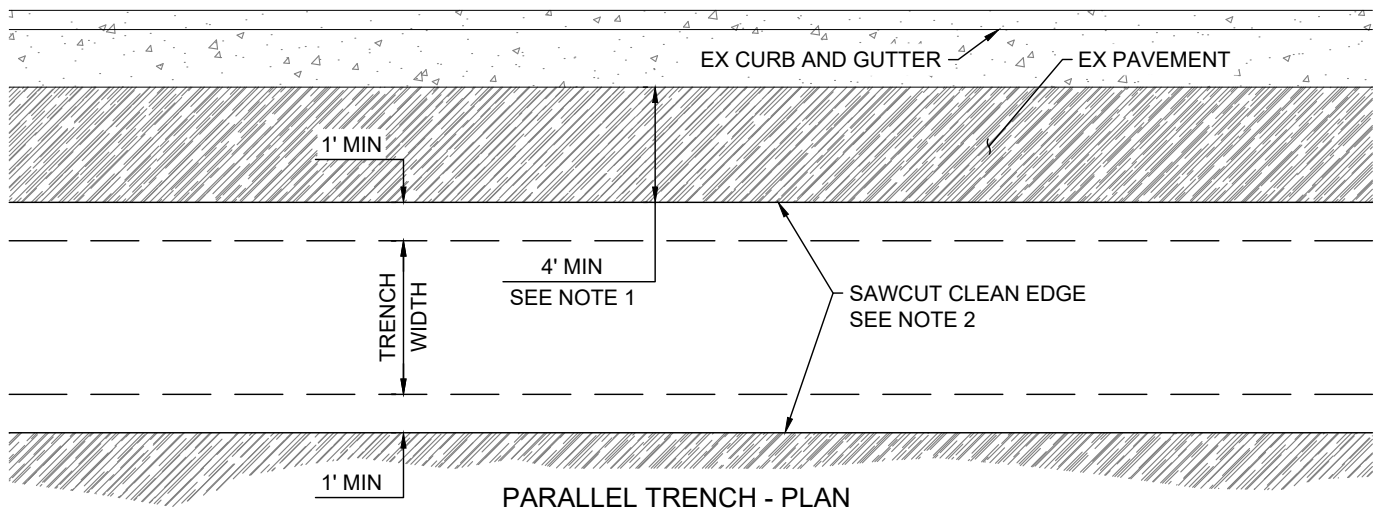
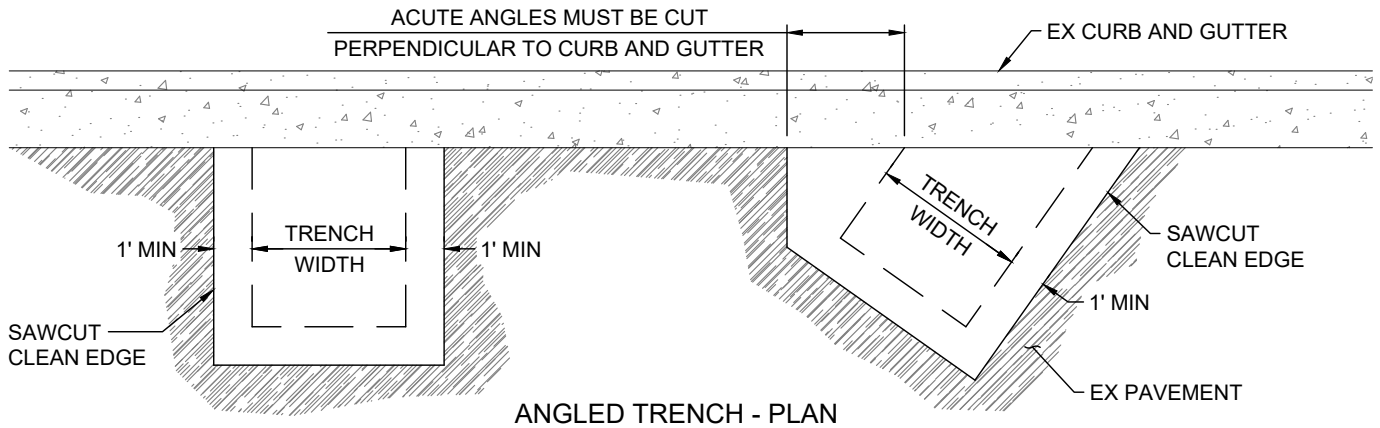


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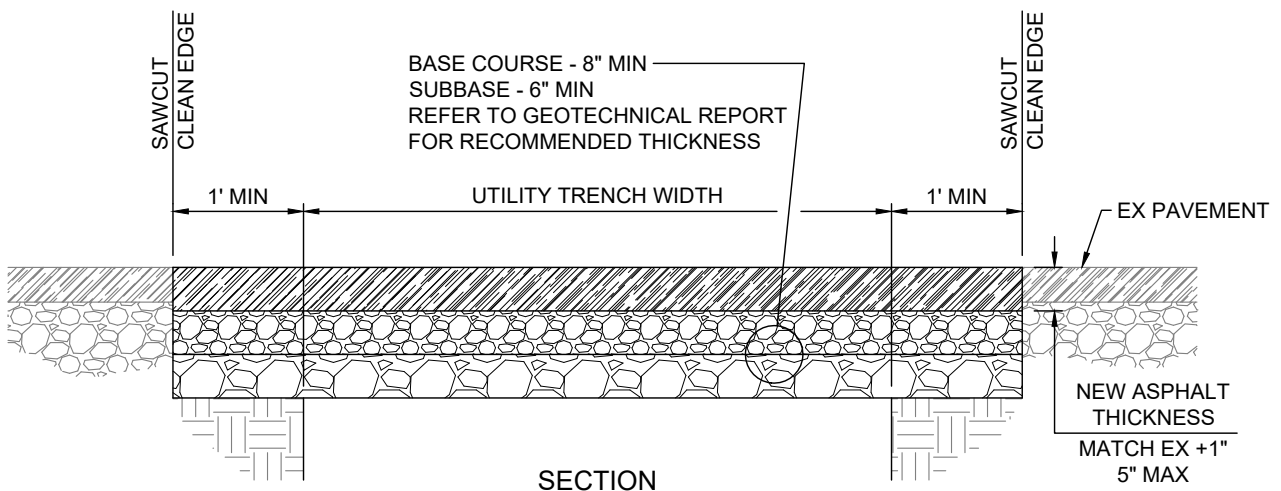
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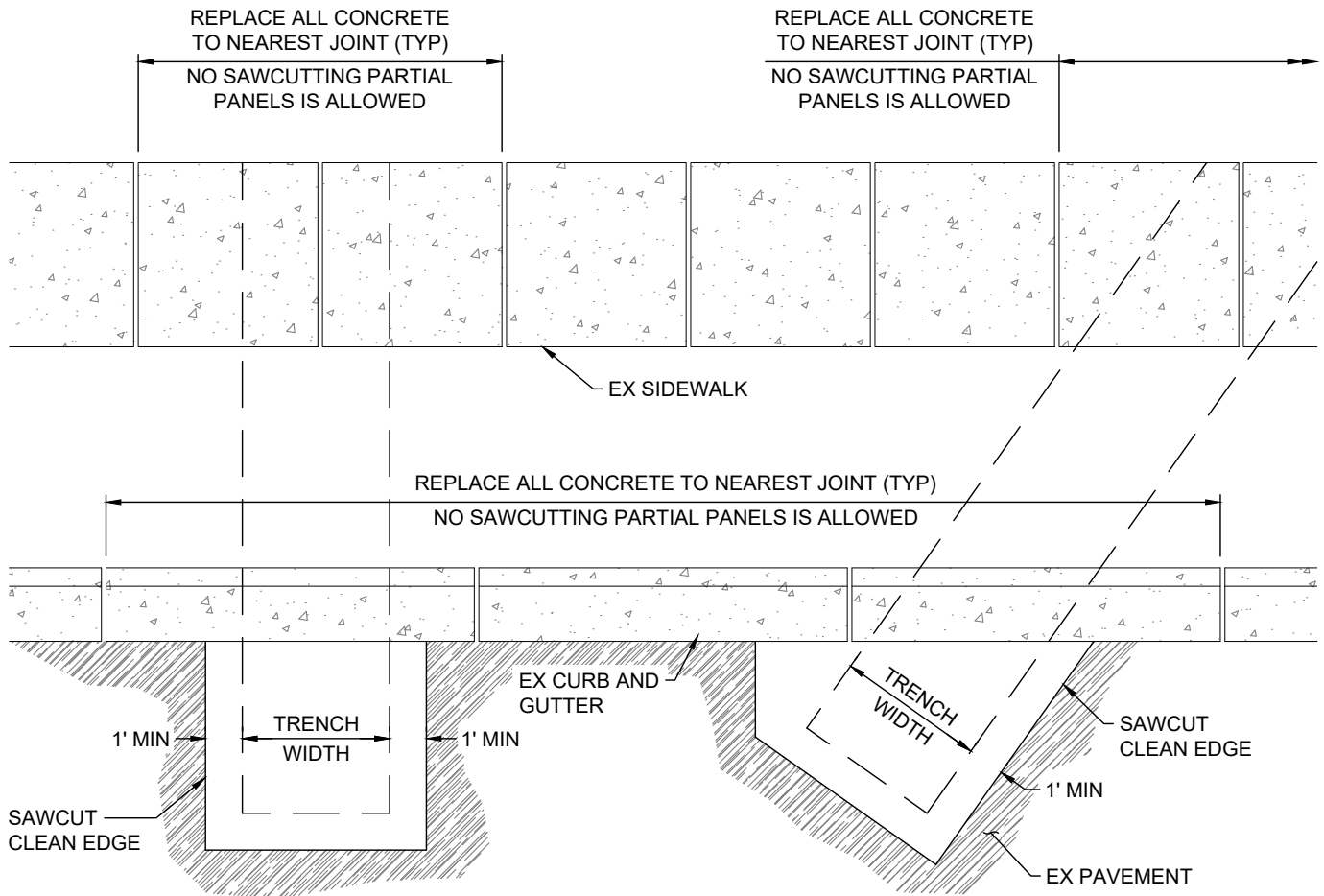
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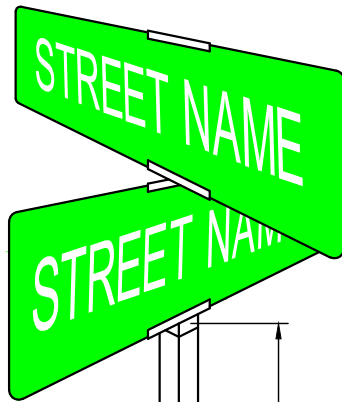
1. IF DISTANCE BETWEEN CLEAN SAWCUT EDGE AND EX GUTTER IS LESS THAN 4', REMOVE AND REPLACE ASPHALT TO LIP OF GUTTER.
2. SAWCUT EDGE MUST NOT BE IN WHEEL PATH. REPLACE TO CENTER OF ROAD, CENTER OF LANE, OR LANE LINE. WHICHEVER IS CLOSEST AND MORE THAN 1' FROM EDGE OF TRENCH.





NOTES:

1. REPLACE ALL DAMAGED CONCRETE TO THE NEAREST JOINT
2. NO SAWCUTTING PARTIAL PANELS IS ALLOWED
3. ALL SIDEWALK WITHIN THE PAYSON CITY RIGHT-OF-WAY TO BE 6" THICK CONCRETE PAVEMENT.
4. WHERE THERE IS NO PLANTER STRIP, EXPANSION JOINT IS REQUIRED BETWEEN THE BACK OF CURB AND ADJACENT CONCRETE.



STREET NAME

PUBLIC STREET SIGN

STREET NAME

PRIVATE STREET SIGN

1-3/4" x 1-3/4" STEEL TUBE WITH
3/8" DIA HOLES @ 1" O.C. FULL
LENGTH OF POST

10'-0"

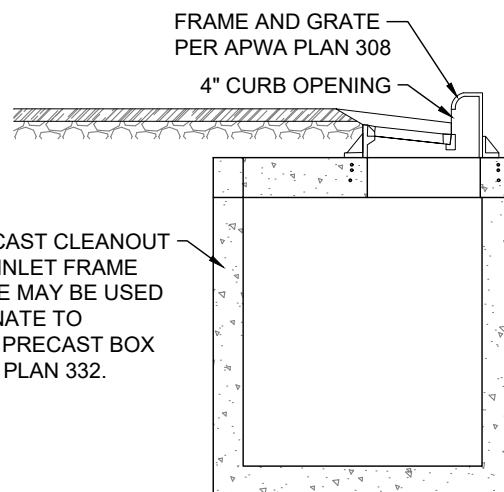
FINISH GRADE

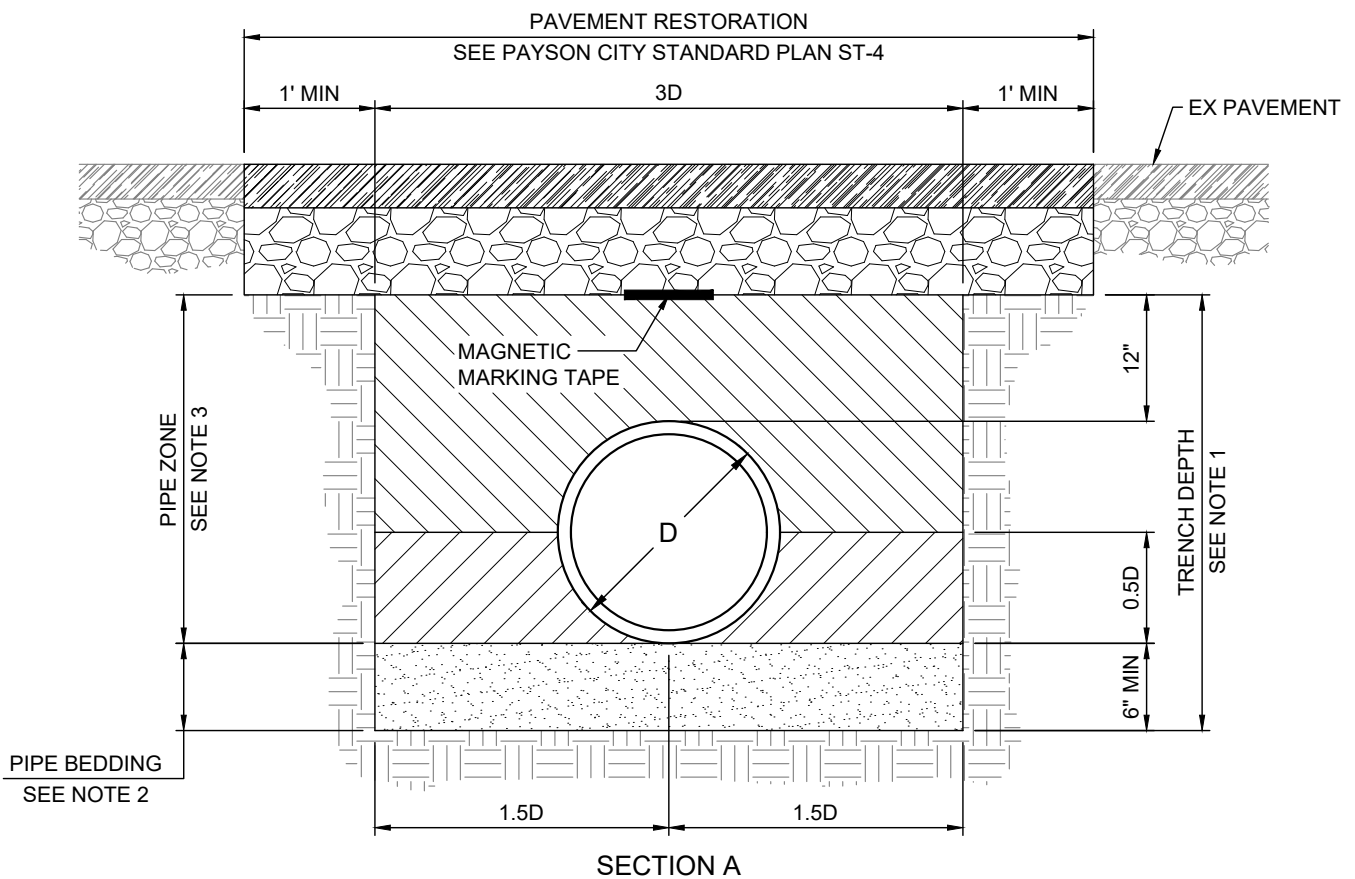
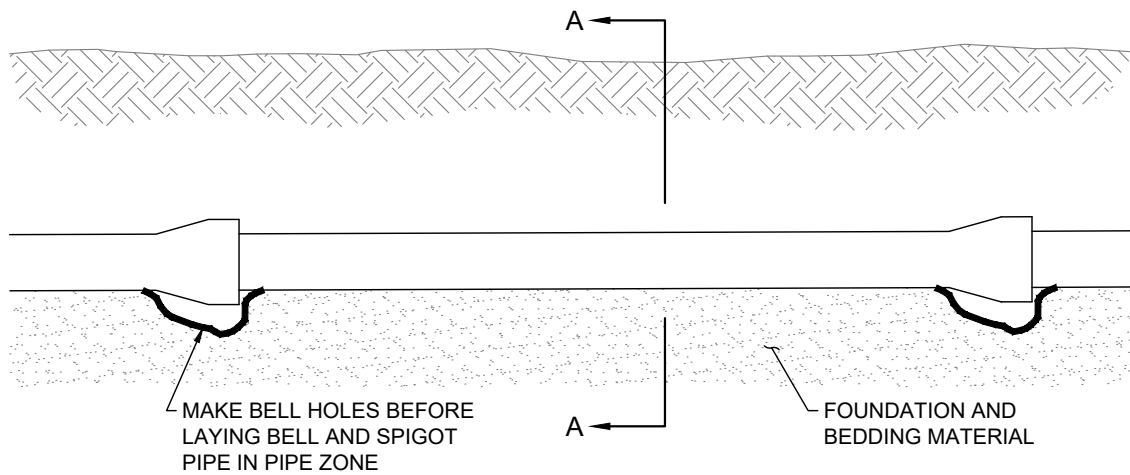
3'-0"

NOTES:

1. STREET NAME SIGN TO BE 8" ALUMINUM SIGN, DOUBLE SIDED WITH HIGH INTENSITY PRISMATIC SHEETING AND 6" UPPER CASE STREET NAME LETTERING.
2. PROOFS TO BE APPROVED BY PAYSON CITY PUBLIC WORKS PRIOR TO MANUFACTURING.
3. PUBLIC STREET SIGN TO BE GREEN BACKGROUND WITH WHITE LETTERING.
4. PRIVATE STREET SIGN TO BE BLUE BACKGROUND WITH WHITE LETTERING.
5. NO CITY LOGO REQUIRED ON STREET NAME SIGN.
6. ALL BOLTS, NUTS, WASHERS, AND ACCESSORIES TO BE STAINLESS OR GALVANIZED STEEL.

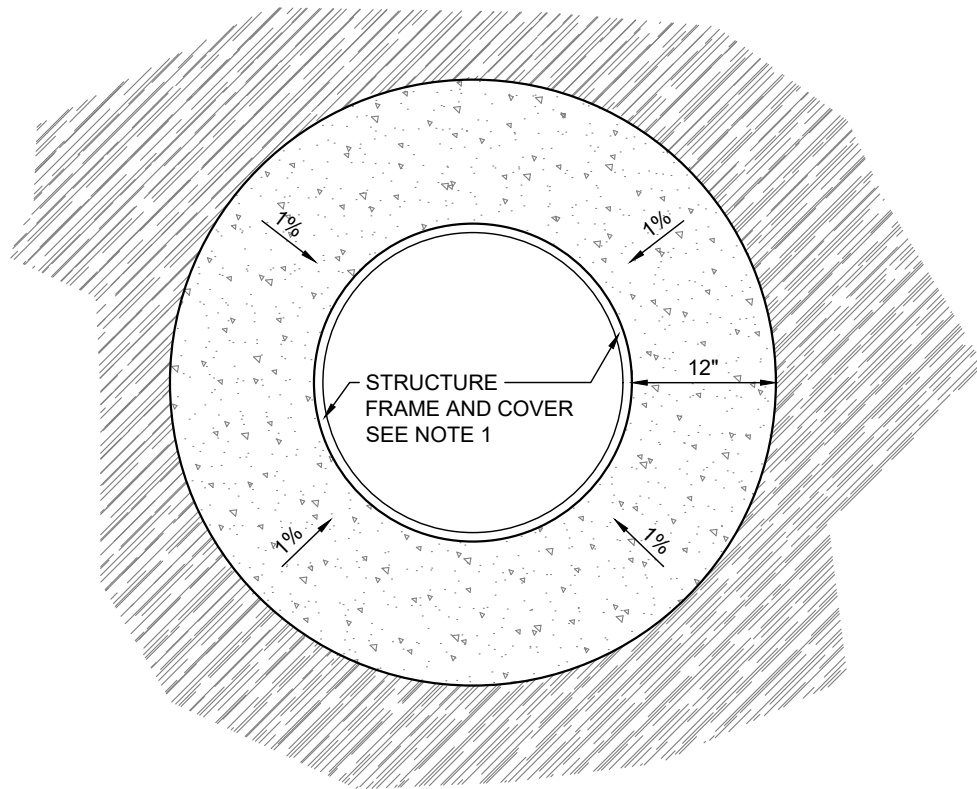
1. ALL STRUCTURES AND PARTS OF STRUCTURES SHALL BE PRE-CAST TO CONFORM TO ASTM C478
2. THE PRE-TREATMENT STRUCTURE SHALL BE CONSTRUCTED TO ENSURE WATER TIGHTNESS
3. SNOOT OR APPROVED EQUIVALENT PRE-TREATMENT DEVICE MAY BE USED AS ALTERNATE TO PIPE CONFIGURATION SHOWN IN THE DETAIL BELOW
4. THE SUMP SHALL BE LOCATED 5' (MIN) OFFSET FROM PRE-TREATMENT STRUCTURE AND PERPENDICULAR TO GUTTER ALIGNMENT
5. THE SUMP LID SHALL NOT BE LOCATED IN THE SIDEWALK SECTION
6. ANY APPROVED EQUIVALENTS REQUIRE CITY ENGINEER'S WRITTEN APPROVAL
7. D & L I-3518 OR APPROVED EQUIVALENT IS PREFERRED FOR CURB FACED INLETS
8. SWPP BMPS TO BE REMOVED AND ALL STORM DRAIN STRUCTURES AND LINES TO BE CLEANED AND CCTV INSPECTION PERFORMED PRIOR TO FINAL ACCEPTANCE



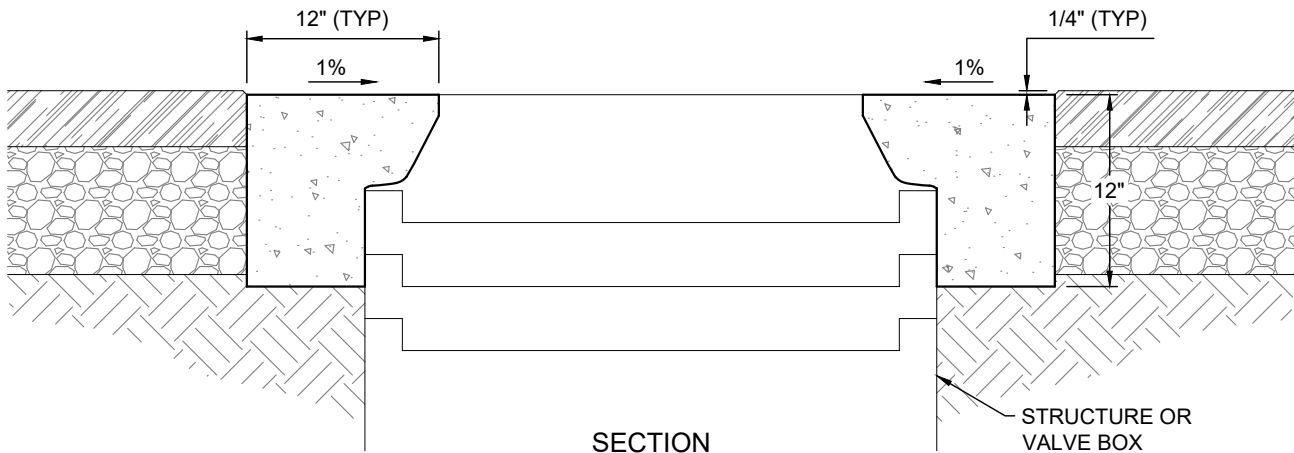


NOTES:

1. IF DEPTH OF TRENCH IS GREATER THAN 4-FT AND SHORES OR TRENCH SUPPORTS ARE NOT USED, SLOPES ARE REQUIRED PER OSHA REGULATIONS. REFER TO APWA PLAN 381 FOR ADDITIONAL INFORMATION.
2. PIPE BEDDING: UNTREATED BASE COURSE PER APWA SECTION 32 11 23. INSTALL PER APWA SECTION 33 05 20.
3. PIPE ZONE BACKFILL: A-1-A OR NATIVE MATERIAL (UPON APPROVAL) PER APWA SECTION 31 05 13. MATERIAL MUST MEET APWA STANDARD FOR GRANULAR BORROW. COMPACT TO 96% DENSITY PER ASTM D-1557. CONTRACTOR MUST SUBMIT GRADATION AND PROCTOR DENSITY DATA OF NATIVE MATERIAL TO BE CONSIDERED FOR BACKFILL. ALL NATIVE MATERIAL TO BE USED AS FILL MUST HAVE ALL ORGANIC MATERIAL, RUBBISH, DEBRIS, AND OTHER OBJECTIONABLE MATERIALS REMOVED.



PLAN



SECTION

NOTES:

1. STRUCTURE FRAME AND COVER:
STORM DRAIN - APWA PLAN 302 OR 303
SANITARY SEWER - APWA PLAN 402
WATER - APWA PLAN 502 OR CAST IRON VALVE BOX
2. USE ONLY 4000 PSI CONCRETE MEETING APWA SECTION 03 30 04.
3. PROVIDE A NEAT VERTICAL AND CONCENTRIC JOINT BETWEEN CONCRETE AND PAVED SURFACE. CLEAN EDGES OF ALL DIRT, OIL, AND LOOSE DEBRIS.
4. INSTALL 12" THICK CONCRETE COLLAR ACCORDING TO APWA SECTION 03 30 10. APPLY BROOM FINISH AND CURING AGENT PER APWA SECTION 03 39 00.
5. PROVIDE 1/4" LIP FROM TOP OF PAVEMENT TO TOP OF CONCRETE COLLAR. SLOPE COLLAR TOWARDS THE CENTER AND STRUCTURE COVER. NO DEVIATION FROM THIS STANDARD IS PERMITTED. LIPS GREATER THAN 1/4" WILL BE CORRECTED AT THE CONTRACTOR'S EXPENSE.

CONCRETE COLLAR PER PAYSON STD PLAN SD-3

FRAME AND COVER PER
APWA PLAN 402

INFRA-RISER, WHIRLYGIG, PRECISION
HARDWARE, OR APPROVED EQUIVALENT
REQ'D TO MAKE LID FLUSH W/ FINAL
SURFACE. (NO SHIMS ALLOWED)

CORROSION RESISTANT
STEPS INSTALLED @ 10" O.C.

KENT SEAL

KENT SEAL

FOR ALL PIPES
GREATER THAN 14" DIA

SET LEG IN
CONCRETE
BASE

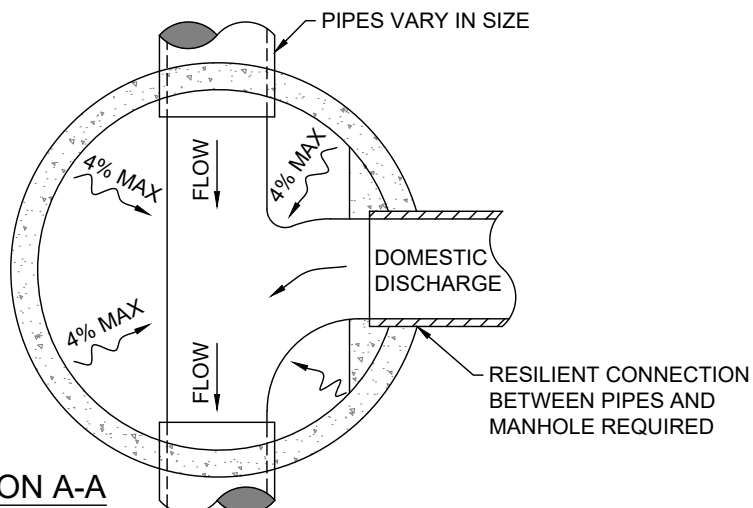
PRECAST BASE WITH RUBBER BOOT

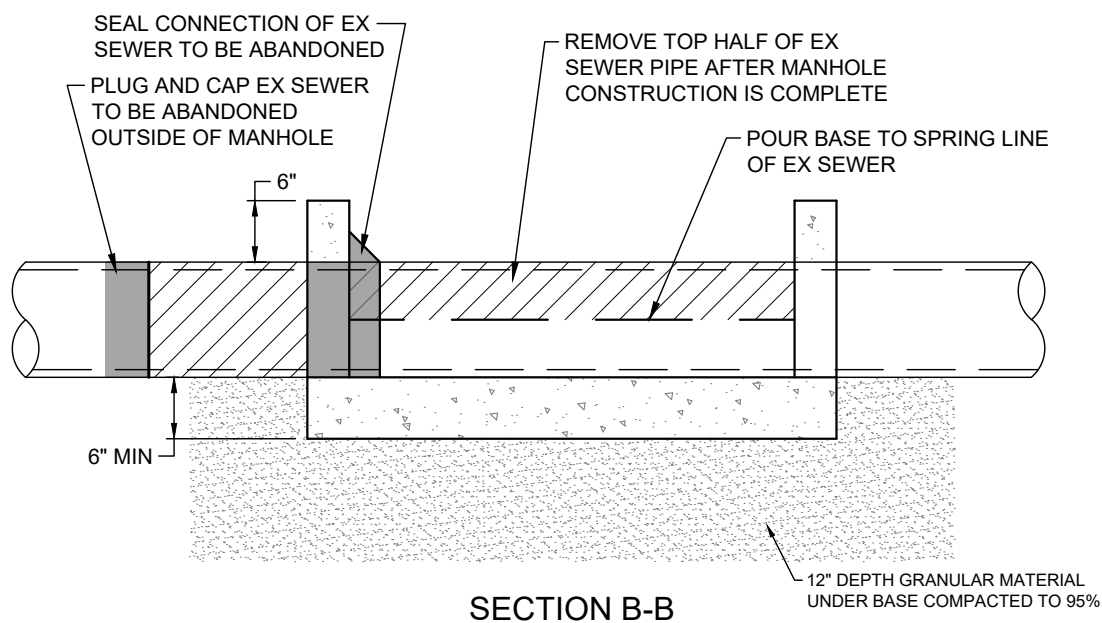
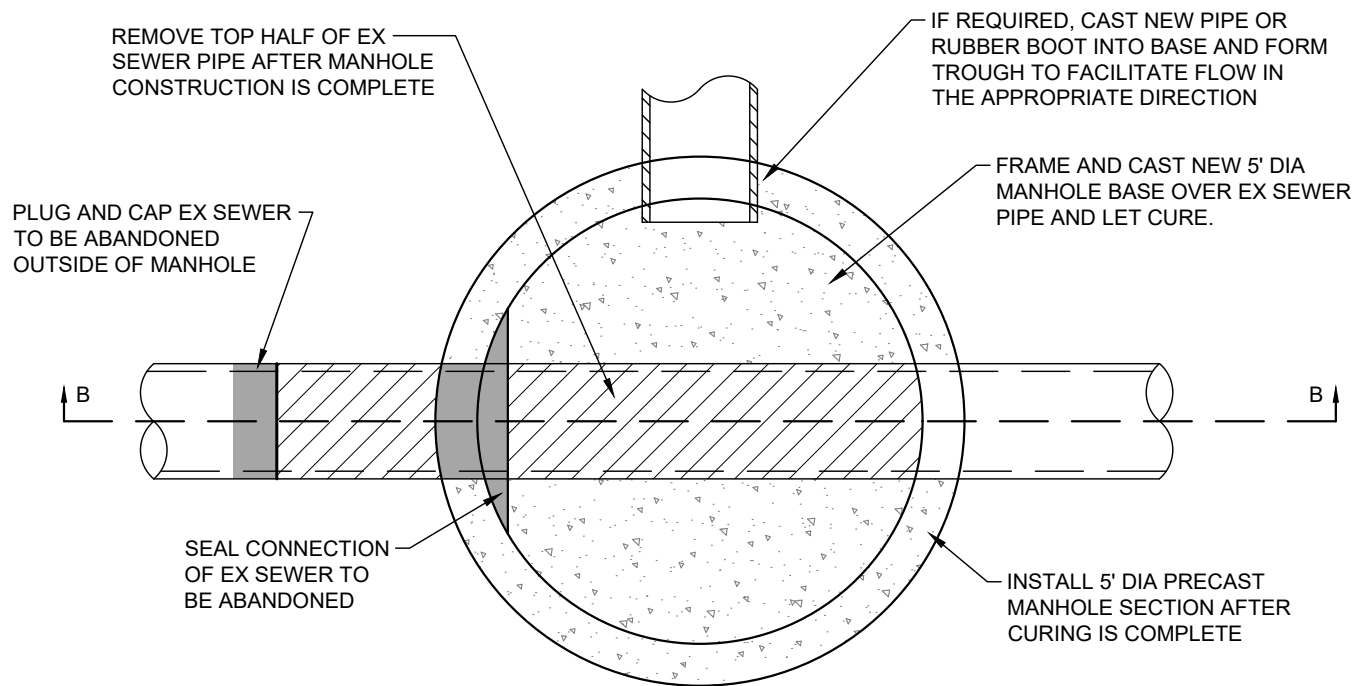
12" DEPTH GRANULAR MATERIAL
UNDER BASE COMPACTED TO 95%

NOTES:

1. MANHOLE BASE AND PRECAST TO
CONFORM TO ASTM C478
2. NO 4" LATERAL CONNECTIONS
ALLOWED INTO MANHOLES
3. NO REVERSIBLE HARDWARE
ALLOWED

SECTION A-A

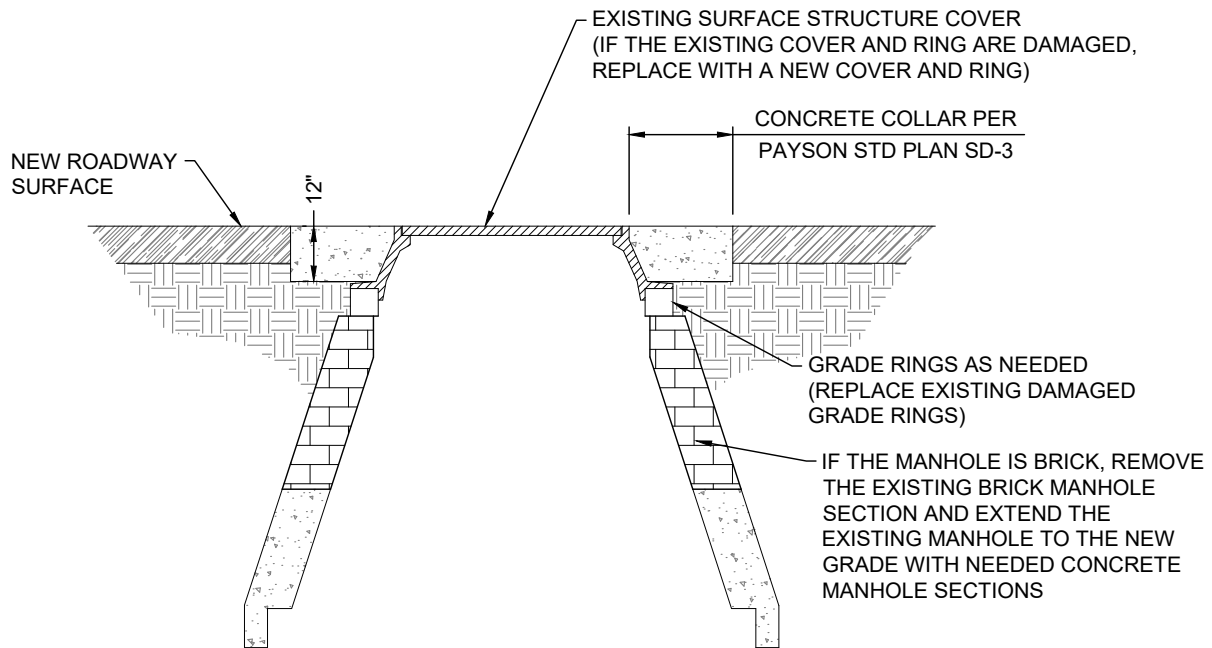




SECTION B-B

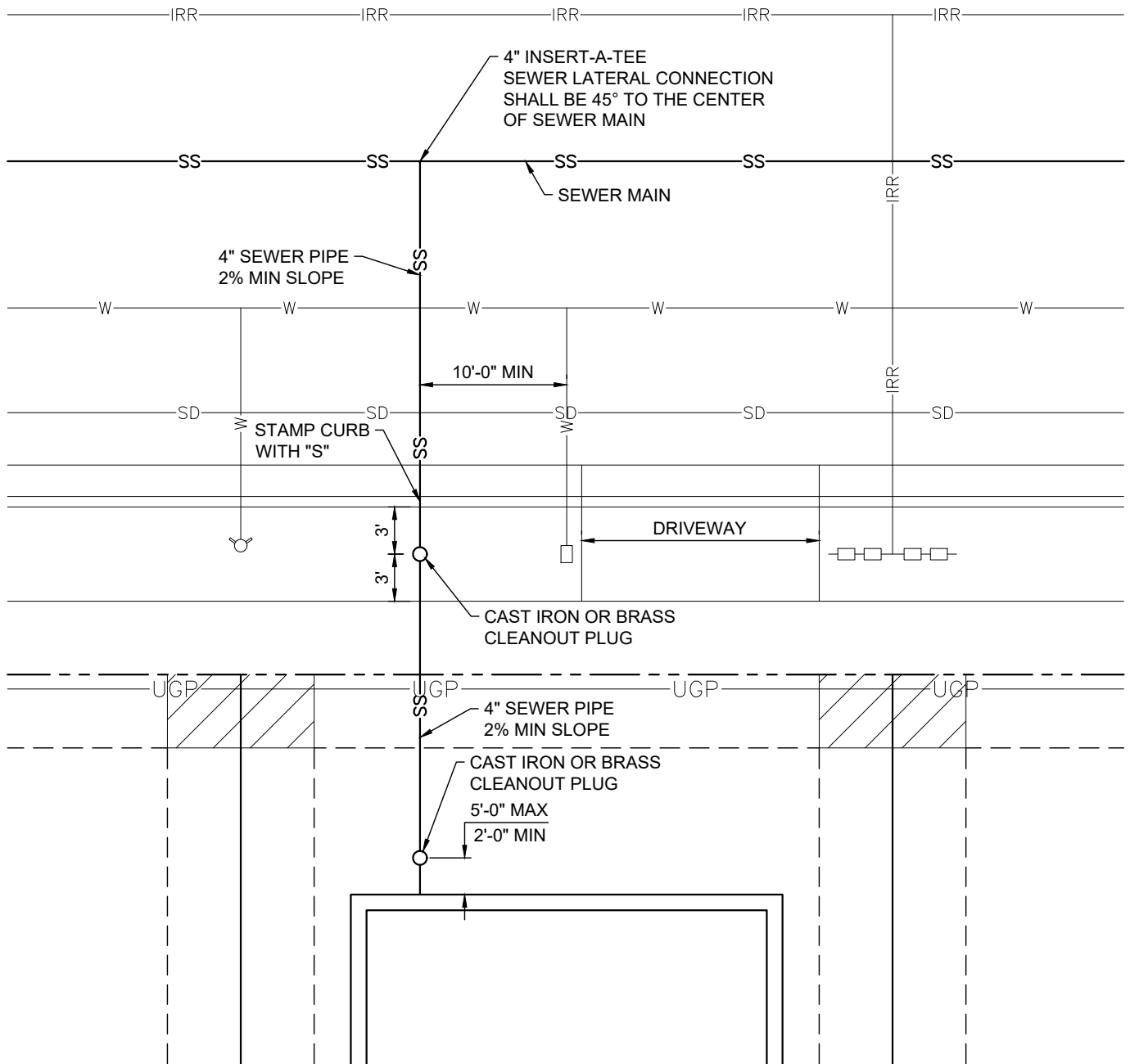
NOTES:

1. CAST-IN-PLACE MANHOLE BASE IS TO BE USED ONLY WHEN EXISTING SEWER IS TO REMAIN IN SERVICE DURING CONSTRUCTION AND A PORTION TO BE ABANDONED AFTER CONSTRUCTION IS COMPLETE.
2. ONLY BASE IS PERMITTED TO BE CAST-IN-PLACE. MANHOLE BARREL SECTIONS AND CONE TO BE PRECAST.
3. ALL PRECAST TO CONFORM TO ASTM C478.
4. REFER TO SHEET 1 FOR MANHOLE DETAIL.



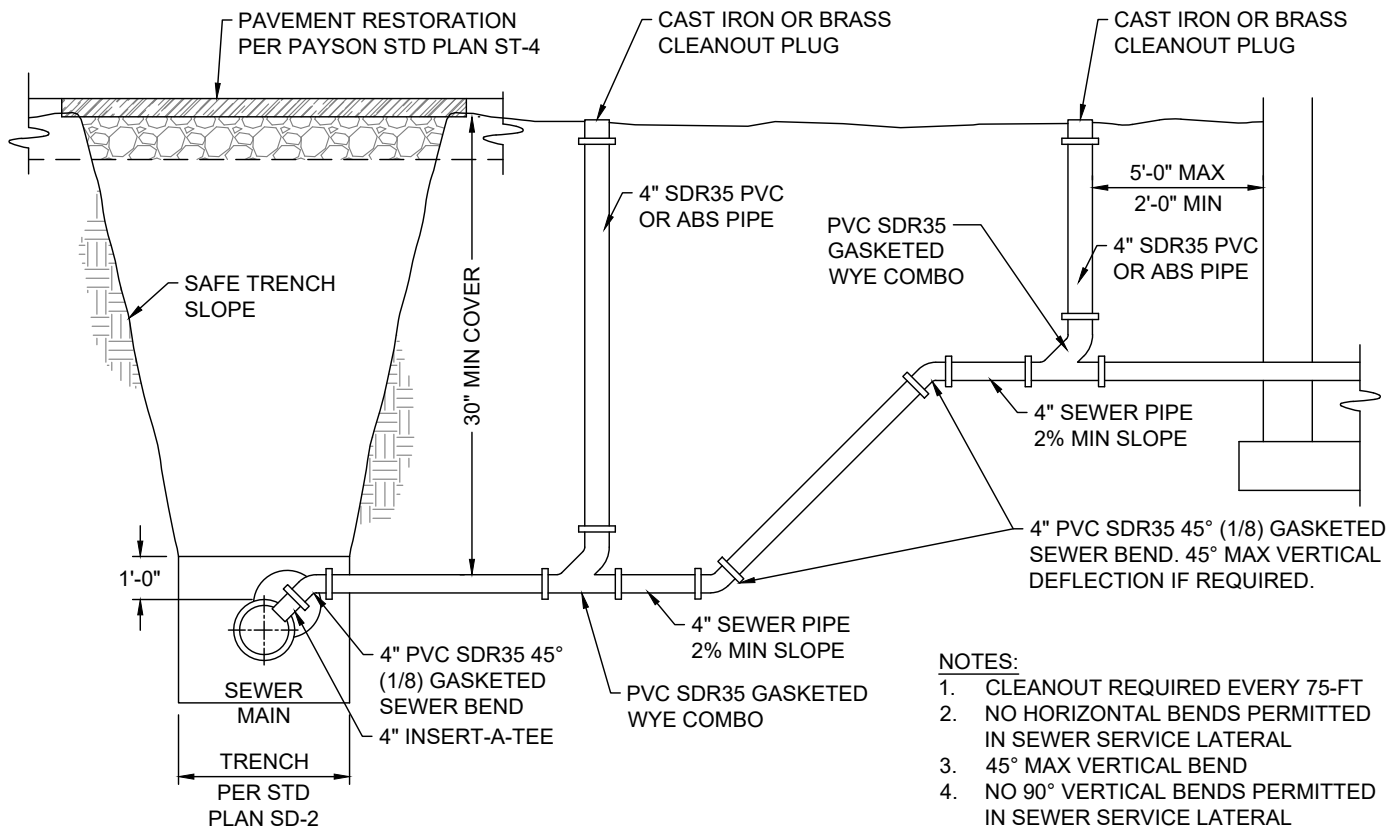
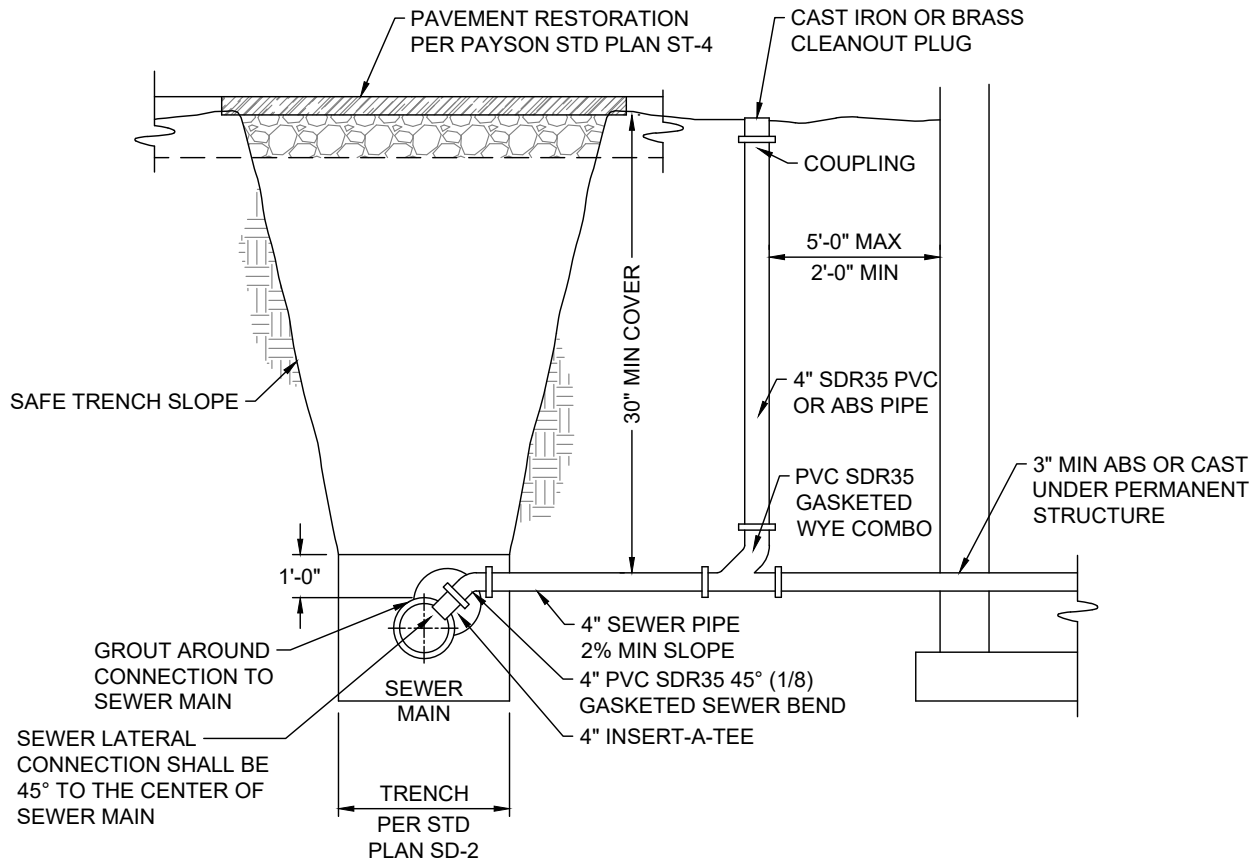
NOTES:

1. CONCRETE COLLARS PER PAYSON STANDARD PLAN SD-3.
2. SURFACE/COVERS/LIDS STRUCTURES SHALL BE BURIED NO MORE THAN 10 CONTINUOUS CALENDAR DAYS
3. KEEP LID 1/4" LOW WHEN LEVELING HARDWARE DURING COLLAR INSTALLATION
4. 12" MAX CONCRETE RISERS AND 3" MAX METAL GRADE RINGS ALLOWED
5. REVERSIBLE HARDWARE IS NOT ALLOWED



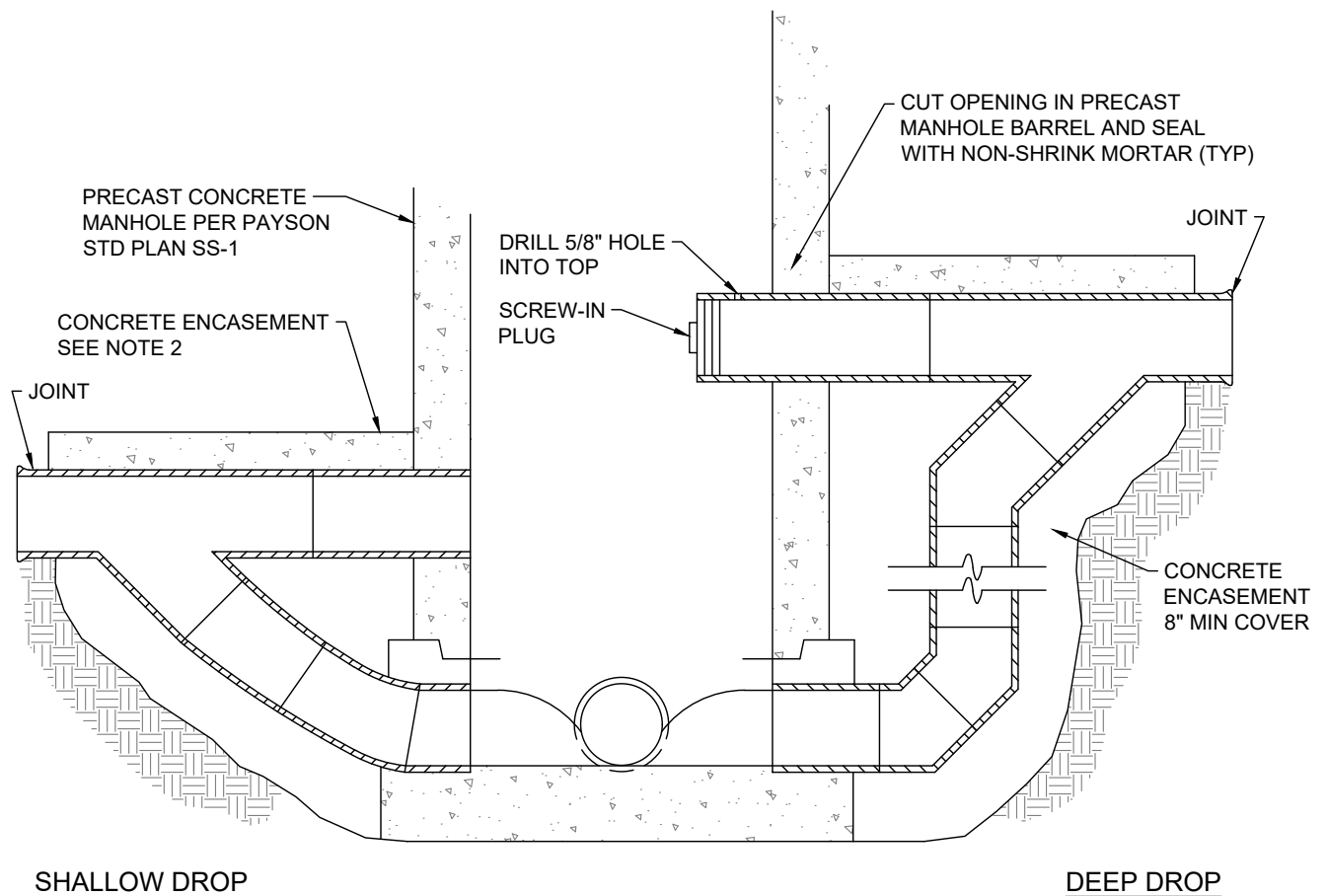
NOTES:

1. CLEANOUT REQUIRED EVERY 75-FT
2. NO HORIZONTAL BENDS PERMITTED IN SEWER SERVICE LATERAL
3. 45° MAX VERTICAL BEND
4. NO 90° VERTICAL BENDS PERMITTED IN SEWER SERVICE LATERAL



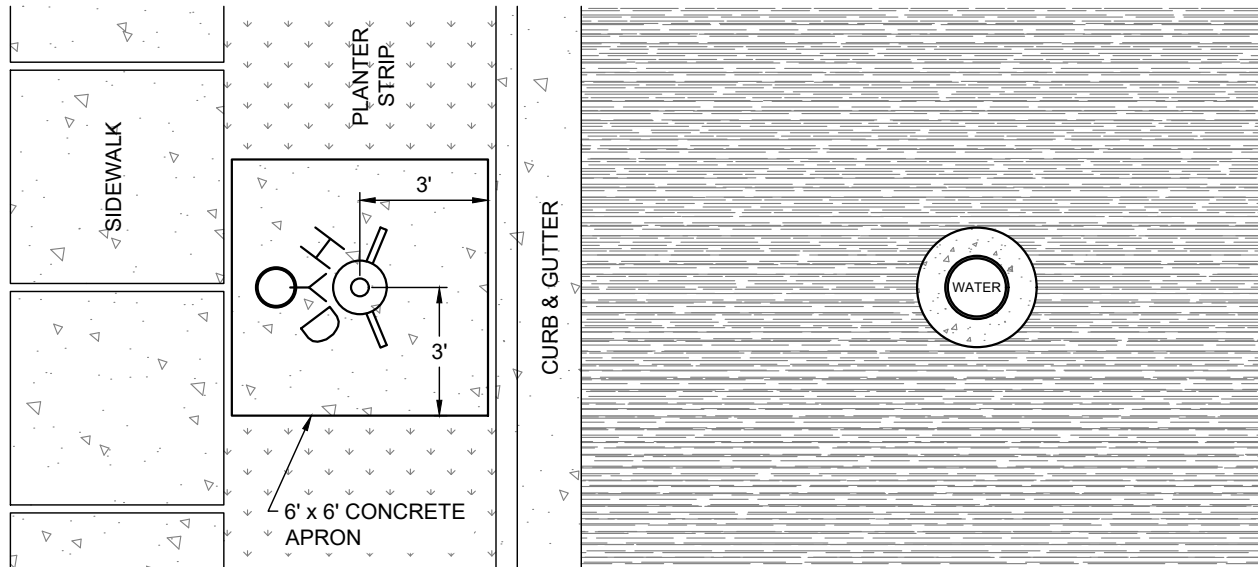
NOTES:

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2. NO HORIZONTAL BENDS PERMITTED IN SEWER SERVICE LATERAL
3. 45° MAX VERTICAL BEND
4. NO 90° VERTICAL BENDS PERMITTED IN SEWER SERVICE LATERAL

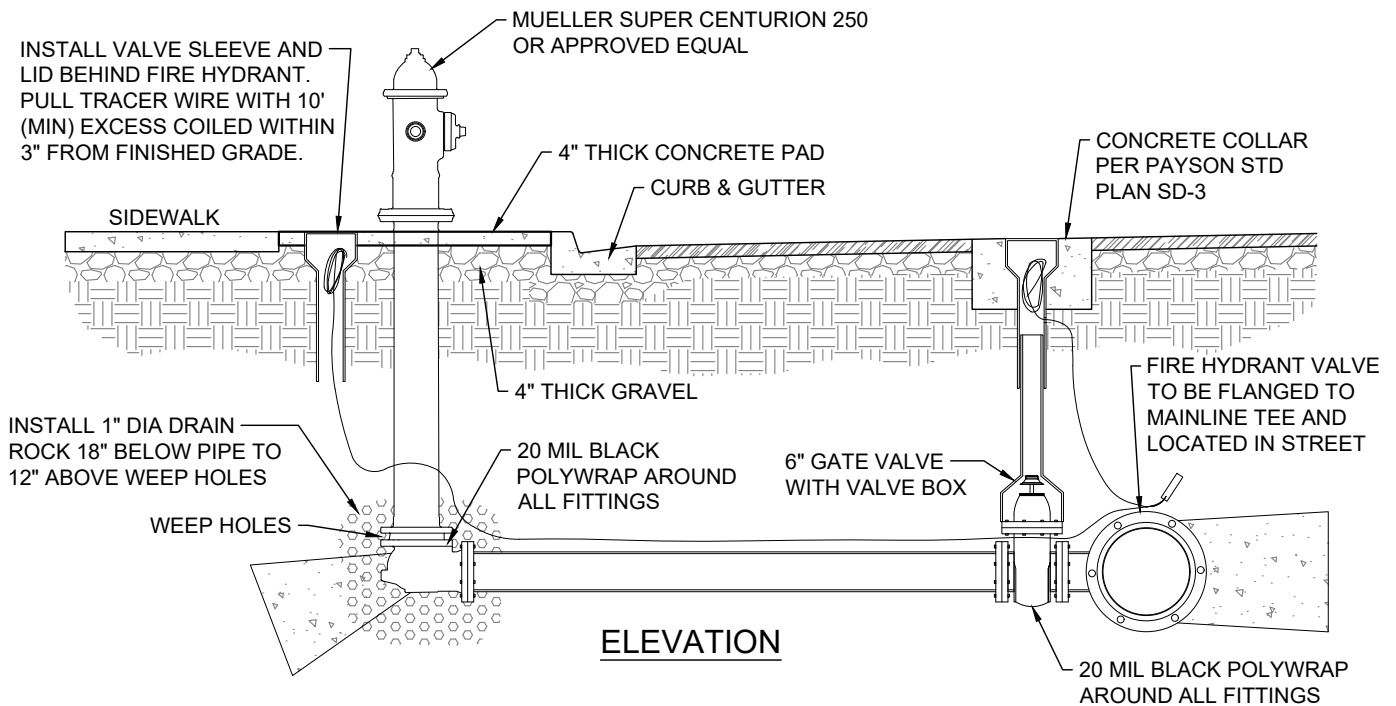


NOTES:

1. 2500 PSI CONCRETE PLACED AGAINST UNDISTURBED MATERIAL OR SHEETING
2. EXTEND ENCASEMENT TO FIRST JOINT BEYOND EXCAVATION FOR DROP CONNECTION
3. DROP PIPE TO BE SAME DIAMETER AS SEWER DISCHARGING INTO MANHOLE FOR SEWERS UP TO AND INCLUDING 12" DIAMETER



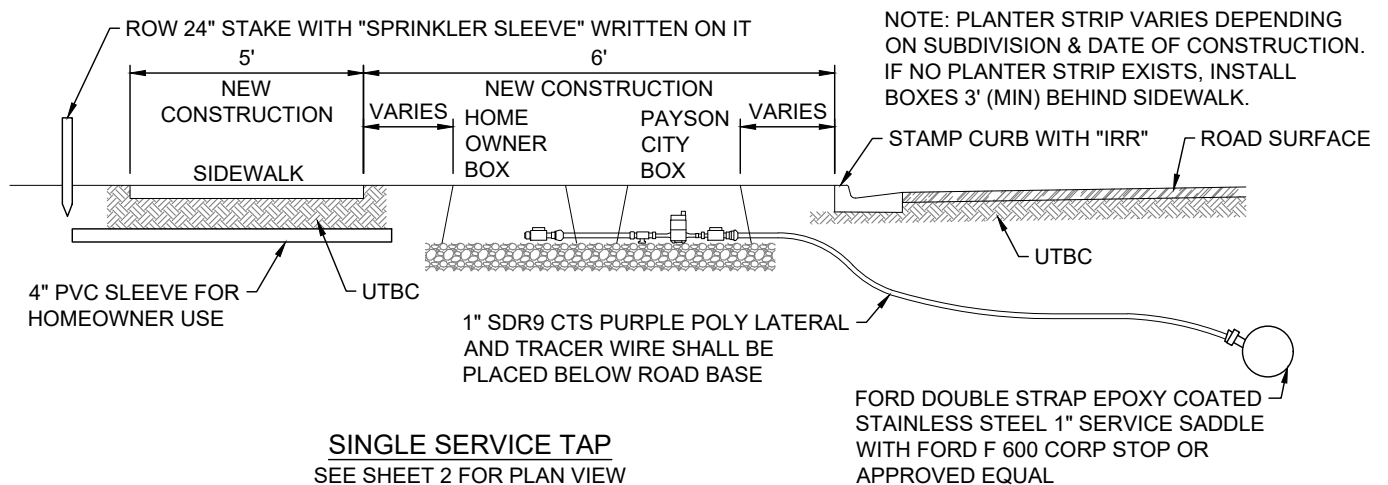
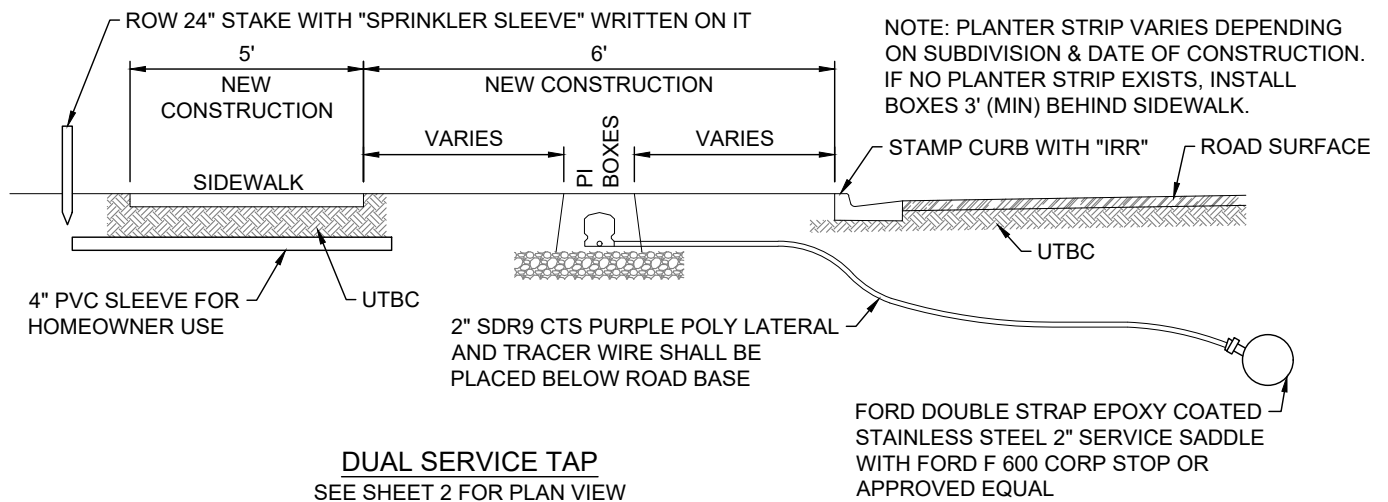
PLAN VIEW



ELEVATION

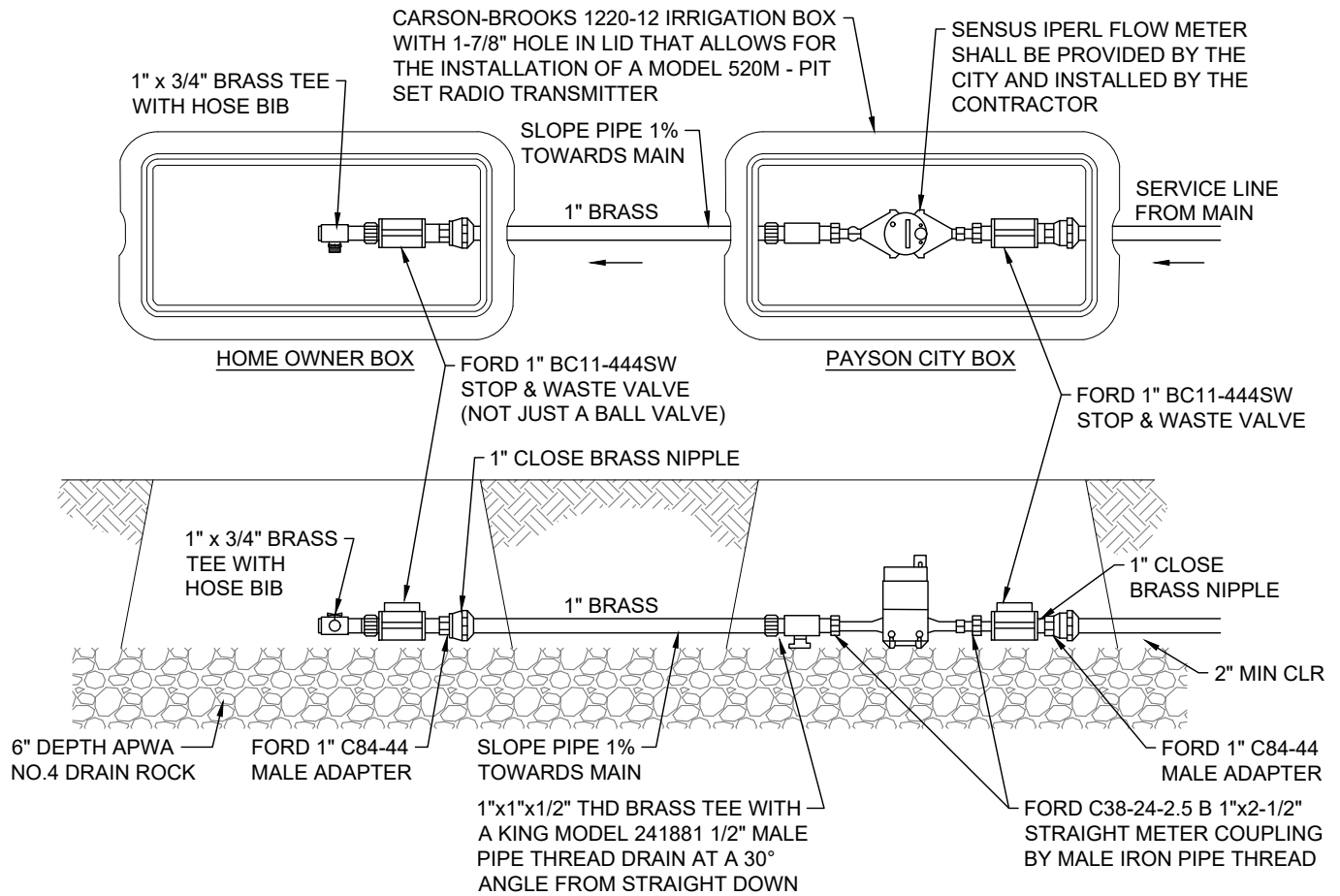
NOTES:

1. LOCATE FIRE HYDRANT IN MIDDLE OF 6' x 6' CONCRETE APRON.
2. UNTREATED BASE COURSES: PROVIDE MATERIAL SPECIFIED IN APWA SECTION 32 11 23. DO NOT USE GRAVEL OR SEWER ROCK. PLACE PER APWA SECTION 32 05 10. COMPACT PER APWA SECTION 31 23 26 TO A MODIFIED PROCTOR DENSITY OF 95-PERCENT OR GREATER. MAXIMUM LOOSE LIFT THICKNESS IS 8-INCHES.
3. CONCRETE: CLASS 4000 PER APWA SECTION 03 30 04. PLACE PER APWA SECTION 32 16 13. CURE PER APWA SECTION 03 39 00.
 - a. IF NECESSARY, PROVIDE CONCRETE THAT ACHIEVES DESIGN STRENGTH IN LESS THAN 7 DAYS. USE CAUTION, HOWEVER, AS SPIDER CRACKS DEVELOP IF AIR TEMPERATURE EXCEEDS 90°F.
 - b. UNLESS SHOWN OTHERWISE, PROVIDE 1/2-INCH RADIUS IN CONCRETE EDGES EXPOSED TO PUBLIC VIEW.
4. EXPANSION JOINTS: FULL DEPTH 1/2-INCH THICK TYPE F1 JOINT FILLER MATERIAL PER APWA SECTION 32 16 13 MUST BE PLACED BETWEEN THE SIDEWALK AND THE APRON.
5. FINISH: FINE HAIR BROOM.
6. HYDRANT: INSTALL HYDRANT PER MANUFACTURER'S SPECIFICATIONS.
7. HYDRANT VALVE: INSTALL VALVE ON THE MAIN WITH A FLANGE CONNECTION TO TEE.

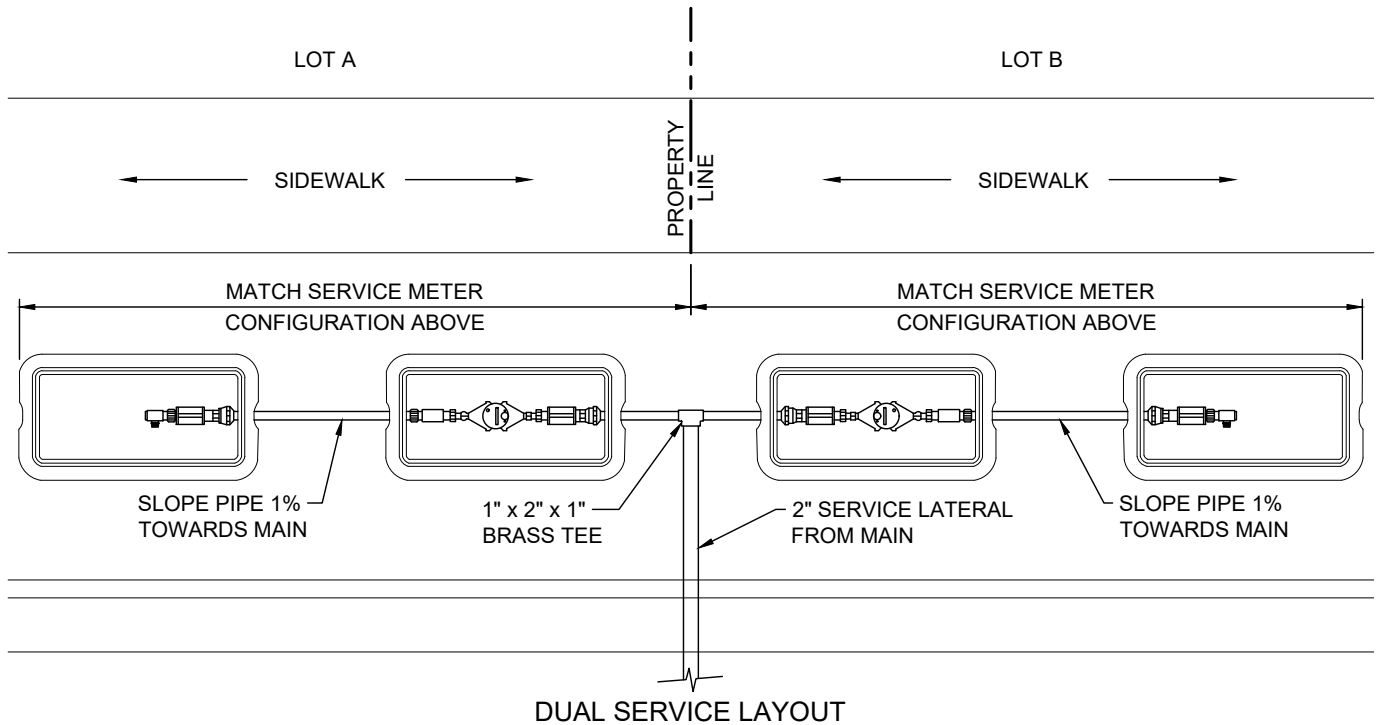


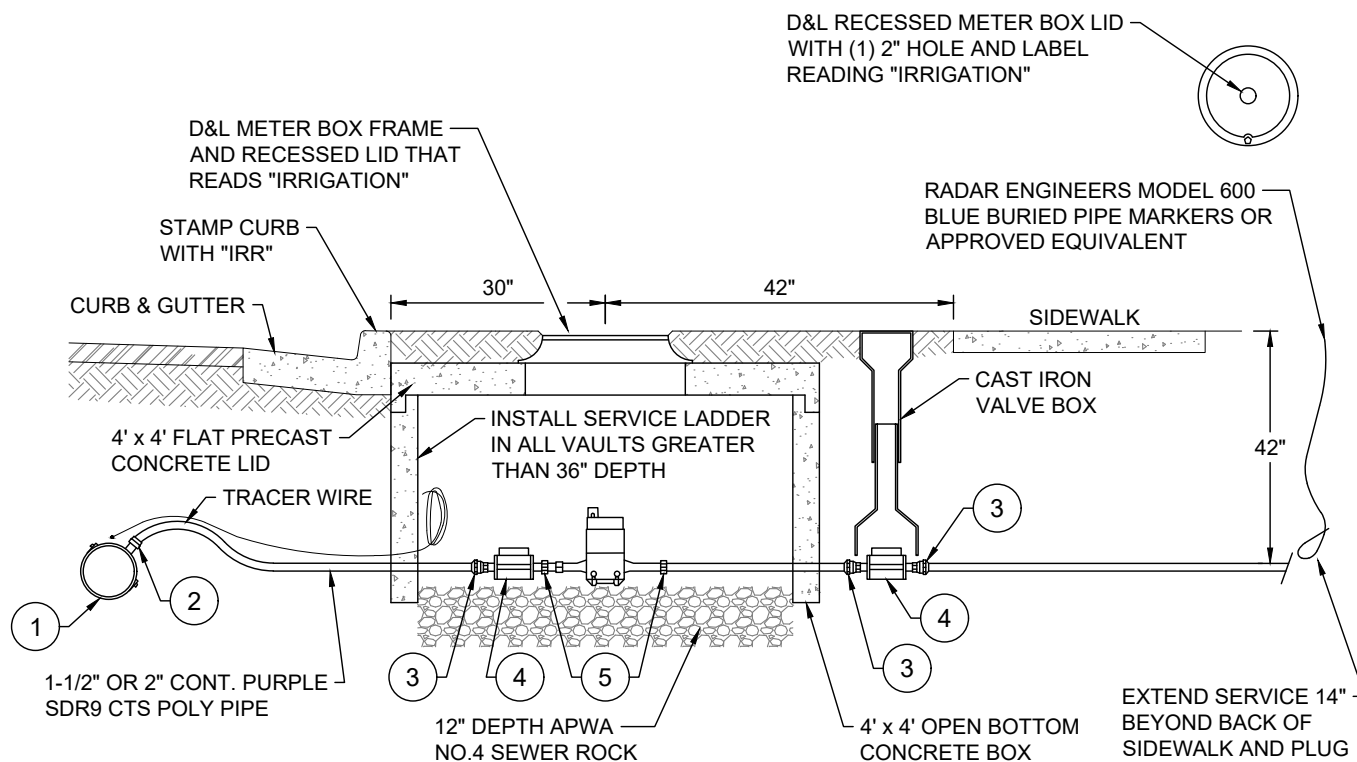
NOTES:

1. ALL MATERIALS TO BE BRASS AND SDR9 CTS POLY.
2. INSPECTION REQUIRED PRIOR TO BACKFILLING.
3. INSTALL ALL BACKFILL IN LIFTS NOT EXCEEDING 6" AFTER COMPACTION. COMPACT EACH LIFT TO AN AVERAGE DRY DENSITY OF 96% OF OPTIMUM WITH NO DENSITY TEST RESULT LESS THAN 92% OF OPTIMUM.
4. PLACE TAPS A MINIMUM OF 24" APART. USE A TAPPING TOOL WHICH IS SIZED CORRESPONDING TO THE SIZE OF THE SERVICE LINE TO BE INSTALLED. NO TAPS WITHIN 24" OF END OF PIPE.
5. A DOUBLE STRAP EPOXY COATED STAINLESS STEEL SERVICE SADDLE CLAMP AND TEFLON TAPE IS REQUIRED ON ALL TAPS.
6. INSTALL SERVICE LINE 12" BELOW FROST LINE OR 36" MINIMUM.
7. STANDARD SERVICE SIZE SHALL BE 2" FOR DUAL SERVICES AND 1" FOR SINGLE SERVICES.
8. STAINLESS STEEL LINER INSERTS REQUIRED INSIDE OF TUBING AT COMPRESSION FITTINGS.
9. ALL FITTINGS SHALL BE COMPATIBLE WITH SERVICE SIZE.
10. SERVICE LATERAL SHALL SLOPE TOWARDS PRESSURIZED IRRIGATION MAIN.
11. SPRINKLER SLEEVE SHALL NOT BE IN LINE WITH ANY UTILITY BOXES.
12. NO OTHER CONNECTIONS OR EQUIPMENT ARE PERMITTED BY CONTRACTOR OR HOME OWNER INSIDE PAYSON CITY BOX.
13. 3' MINIMUM OFFSET FROM DRIVEWAYS. **DO NOT ENCLOSE METER BOX IN CONCRETE.**
14. SEE W-2 SHEET 2 FOR PLAN VIEW LAYOUT.



SERVICE METER CONFIGURATION





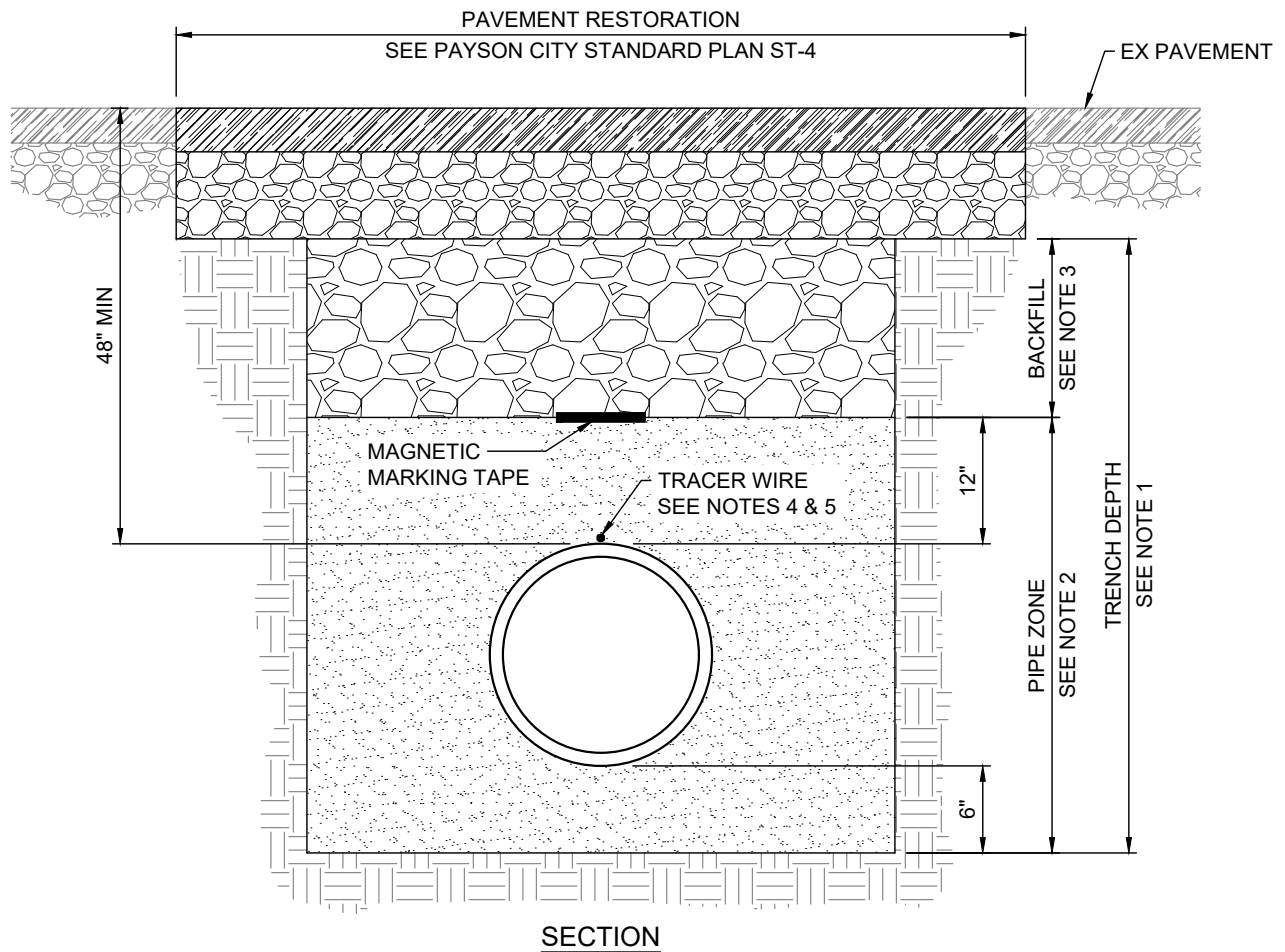
FORD PART LIST

NOTE #	DESCRIPTION	1-1/2" PART #	2" PART #
1	DOUBLE STRAP EPOXY COATED STAINLESS STEEL SERVICE SADDLE	F202-XXX-CC6	F202-XXX-CC7
2	CORP STOP	F600-6-G-NL	F600-7-G-NL
3	MALE ADAPTER	C84-66-Q-NL	C84-77-Q-NL
4	BALL VALVE WITH STOP AND WASTE	B44-666SW-Q-NL	B44-777SW-Q-NL
5	2" x 2-1/2" STRAIGHT METER COUPLING x MALE IRON PIPE THREAD	C48-66-Q-NL	C48-77-Q-NL

* USE ONLY FORD PARTS OR CITY ENGINEER APPROVED EQUIVALENTS

NOTES:

- ALL MATERIALS TO BE BRASS AND SDR9 CTS POLY.
- INSPECTION REQUIRED PRIOR TO BACKFILLING.
- INSTALL ALL BACKFILL IN LIFTS NOT EXCEEDING 6" AFTER COMPACTION. COMPACT EACH LIFT TO AN AVERAGE DRY DENSITY OF 96% OF OPTIMUM WITH NO DENSITY TEST RESULT LESS THAN 92% OF OPTIMUM.
- PLACE TAPS A MINIMUM OF 24" APART. USE A TAPPING TOOL WHICH IS SIZED CORRESPONDING TO THE SIZE OF THE SERVICE LINE TO BE INSTALLED. NO TAPS WITHIN 24" OF END OF PIPE.
- A DOUBLE STRAP EPOXY COATED STAINLESS STEEL SERVICE SADDLE CLAMP AND TEFLON TAPE IS REQUIRED ON ALL TAPS.
- INSTALL SERVICE LINE 12" BELOW FROST LINE OR 36" MINIMUM.
- STAINLESS STEEL LINER INSERTS REQUIRED INSIDE OF TUBING AT COMPRESSION FITTINGS.
- ALL FITTINGS SHALL BE COMPATIBLE WITH SERVICE SIZE.
- SERVICE LATERAL SHALL SLOPE TOWARDS PRESSURIZED IRRIGATION MAIN.
- SPRINKLER SLEEVE SHALL NOT BE IN LINE WITH ANY UTILITY BOXES.
- NO OTHER CONNECTIONS OR EQUIPMENT ARE PERMITTED BY CONTRACTOR OR HOME OWNER INSIDE PAYSON CITY BOX.

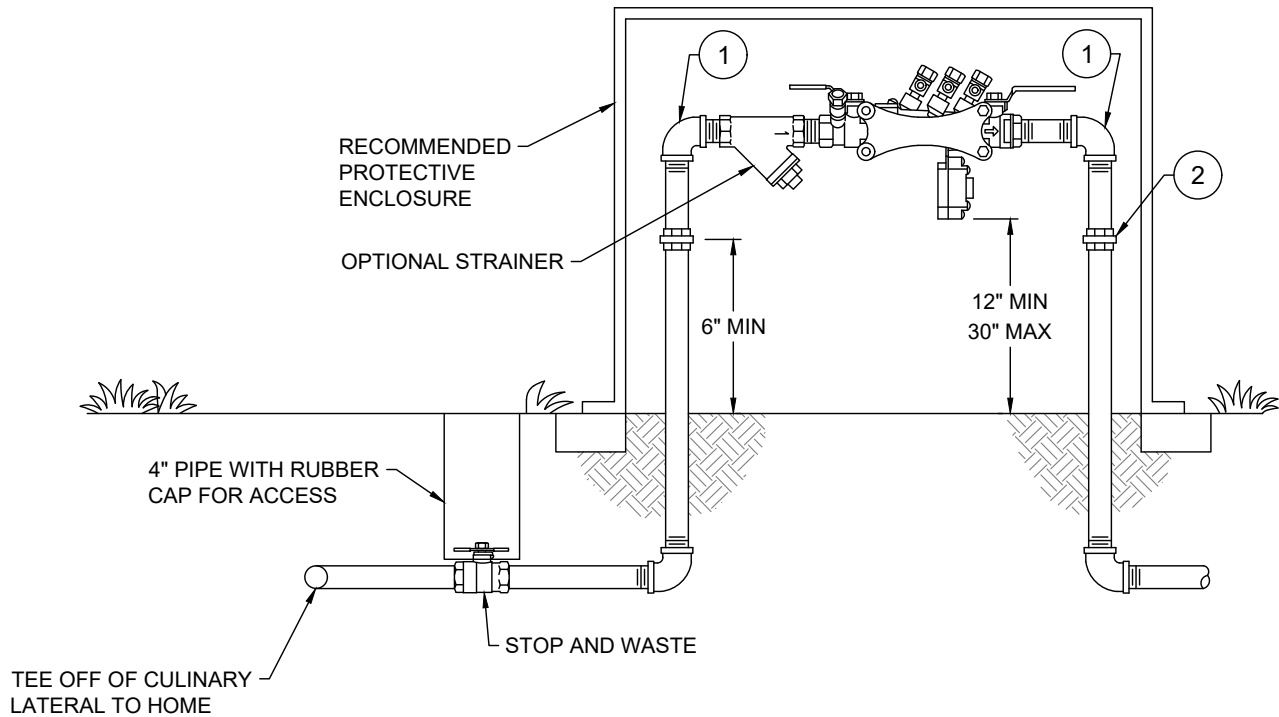


NOTES:

1. IF DEPTH OF TRENCH IS GREATER THAN 4-FT AND SHORES OR TRENCH SUPPORTS ARE NOT USED, SLOPES ARE REQUIRED PER OSHA REGULATIONS. REFER TO APWA PLAN 381 FOR ADDITIONAL INFORMATION.
2. PIPE ZONE: SAND (TYPE IV MATERIAL) PER APWA SECTION 31 05 13. COMPACT TO 92% DENSITY PER ASTM D-1557.
3. BACKFILL: A-1-A OR NATIVE MATERIAL (UPON APPROVAL) PER APWA SECTION 31 05 13. MATERIAL MUST MEET APWA STANDARD FOR GRANULAR BORROW. COMPACT TO 96% DENSITY PER ASTM D-1557. CONTRACTOR MUST SUBMIT GRADATION AND PROCTOR DENSITY DATA OF NATIVE MATERIAL TO BE CONSIDERED FOR BACKFILL. ALL NATIVE MATERIAL TO BE USED AS FILL MUST HAVE ALL ORGANIC MATERIAL, RUBBISH, DEBRIS, AND OTHER OBJECTIONABLE MATERIALS REMOVED.
4. USE 12 GAUGE (MIN) SINGLE STRAND COATED TRACER WIRE. AVOID SPLICING CONNECTION OF TRACER WIRE IF POSSIBLE. WHEN SPLICING IS NEEDED USE GREASE FILLED NUT AND WRAP WITH TAPE. TAPE TRACER WIRE TO PIPE BELLS. CONTINUITY TO BE TESTED AND APPROVED PRIOR TO FINAL ACCEPTANCE.
5. TRACER WIRE AT VALVES SHALL BE BROUGHT NEAR SURFACE ON THE OUTSIDE OF VALVE BOX. NOTCH A HOLE ON THE UPPER SLEEVE AND FEED TRACER WIRE INTO VALVE BOX.

WATER LINE INSTALLATION:

6. HOT TAPS ARE NOT PERMITTED WITHOUT WRITTEN APPROVAL FROM THE CITY ENGINEER.
7. NOTIFY PAYSON CITY PUBLIC WORKS 48 HOURS PRIOR TO MAKING CONNECTION TO ANY EXISTING WATER LINES. SHUT DOWN NOTICES TO ALL AFFECTED CONNECTIONS MUST BE SENT A MINIMUM OF 48 HOURS BEFORE SHUT DOWN. SHUT DOWN MAY NOT LAST FOR MORE THAN 12 HOURS.
8. INSTALL VALVES ON EACH LEG OF A MAIN LINE JUNCTION. USE FLANGED CONNECTIONS FOR VALVES ON NEW FITTINGS. WHEN CONNECTING TO AN EXISTING FITTING, USE MECHANICAL JOINTS AND SET NEW VALVE 5-FT FROM EXISTING FITTING. JOINT RESTRAINTS (EBAA MEGALUG OR APPROVED EQUAL) ARE REQUIRED ON ALL MECHANICAL JOINT CONNECTIONS.
9. REQUIRED VALVE SPACING IS ONE BLOCK OR 20 SERVICE CONNECTIONS, WHICHEVER IS LESS.



DIRECTION OF FLOW ➡

OUTDOOR INSTALLATION

NOTES:

1. 90° ELBOW BRASS/COPPER 1" THRU 3"
2. PIPE UNION BRASS/COPPER
3. BACKFLOW ASSEMBLY SHALL BE REVIEWED AND APPROVED BY PAYSON CITY. ZURN BRAND OR APPROVED EQUIVALENT.
4. ALL PIPE FITTINGS TO BE TYPE K HARD COPPER
5. ALL TEST COCKS - 4 REQUIRED - SHALL BE FITTED WITH BRASS PLUGS AND INSTALLED WITH TEFLON TAPE
6. COMPRESSION TYPE FITTINGS ARE NOT ALLOWED
7. INSTALL THE BACKFLOW PREVENTION ASSEMBLY IMMEDIATELY DOWNSTREAM OF THE AGENCY WATER METER
8. CALL FOR UNDERGROUND INSPECTION BEFORE BACKFILLING
9. THE ENTIRE ASSEMBLY AND EVERYTHING AFTER THE CULINARY METER IS THE RESPONSIBILITY OF THE HOME OWNER TO MAINTAIN AND THE YEARLY TESTING ON ASSEMBLY.