

PAYSON CITY STANDARD PLAN SHEET INDEX

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PAYSON CITY STANDARD PLAN SHEET INDEX (CONTINUED)

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| PAYSON CITY CONTACTS | | | |
|----------------------------|------------------|--|--------------|
| COMPANY / DEPARTMENT | NAME | TITLE | PHONE |
| DEVELOPMENT SERVICES | CADE SWENSON | BUILDING INSPECTOR | 801-465-5129 |
| DEVELOPMENT SERVICES | JILL SPENCER | DEVELOPMENT SERVICES DIRECTOR | 801-465-5233 |
| DEVELOPMENT SERVICES | MARTY DARGEL | PLANNING TECHNICIAN | 801-465-5204 |
| DEVELOPMENT SERVICES | MICHAEL BRYANT | PLANNER | 801-465-5267 |
| ENGINEERING | JOE JAMISON | GIS ADMINISTRATOR | 801-465-5266 |
| ENGINEERING | JONATHAN KNIGHT | CITY ENGINEER | 385-895-8410 |
| ENGINEERING | TRAVIS JOCKUMSEN | PUBLIC WORKS DIRECTOR | 801-465-5235 |
| FIRE | SCOTT SPENCER | FIRE CHIEF | 801-465-5251 |
| FIRE | TODD KILMER | FIRE MARSHAL | |
| POLICE | BRAD BISHOP | POLICE CHIEF | 801-465-5240 |
| POWER | BRAD KEARL | ELECTRICAL DISTRIBUTION SUPERINTENDENT | 801-404-6506 |
| POWER | TYLER ROYLANCE | POWER PLANT SUPERINTENDENT | 801-318-4355 |
| PUBLIC WORKS | SUSAN HUNTER | PUBLIC WORKS EXECUTIVE ASSISTANT | 801-465-5217 |
| PUBLIC WORKS | KYLE ANDERSON | PUBLIC WORKS INSPECTOR | 801-465-5217 |
| SEWER | LOREN WILLES | SEWER SYSTEM SUPERINTENDENT | 801-465-5277 |
| SEWER | BRENT JONES | TREATMENT PLANT OPERATOR | 801-465-5277 |
| STORM DRAIN | DALE CARTER | MS4 COORDINATOR / SWPP INSPECTOR | 385-899-7250 |
| STREETS | KENT FOWDEN | STREETS / STORMWATER SUPERINTENDENT | 801-465-5230 |
| WATER | CAMERON PHILLIPS | WATER SYSTEM SUPERINTENDENT | 801-465-5278 |
| PRIVATE UTILITY CONTACTS | | | |
| CENTRACOM | ALEX RUGG | NORTH PLANT MANAGER | 801-623-7511 |
| CENTURY LINK | BILL WESTFALL | ENGINEER | 435-660-0923 |
| COMCAST | ELYSIA VALDEZ | COORDINATOR | 801-201-0177 |
| ENBRIDGE | 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 | SYLVAN STEWART | CONSTRUCTION MANAGER | 801-808-7365 |
| MISCELLANEOUS CONTACTS | | | |
| NEBO SCHOOL DISTRICT | MATT GLEDHILL | DIRECTOR OF OPERATIONS | 801-354-7433 |
| PAYSON POST OFFICE | RON MENDELL | POSTMASTER | 801-465-1457 |

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. PRIVATE DEVELOPMENTS MUST COMPLY WITH PAYSON CITY STANDARDS AND SPECIFICATIONS UNTIL THE START OF THE 1-YEAR FINAL INSPECTION.
3. 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.
4. 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.
5. 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.
6. 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.
7. VERIFY ALL DIMENSIONS BEFORE STARTING WORK. IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES.
8. 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.
9. CONSULT WITH THE ENGINEER WHERE NO CONSTRUCTION DETAILS ARE SHOWN OR NOTED FOR ANY PART OF WORK.
10. PRESERVE AND PROTECT ALL SURVEY MONUMENTS. CONTACT COUNTY SURVEYORS OFFICE TO RESET SURVEY MONUMENTS TO FINISH GRADE.
11. INSTALL SURVEY MONUMENTS AND PROPERTY CORNER MARKERS PER PAYSON CITY STANDARDS AND SPECIFICATIONS AT ALL APPLICABLE LOCATIONS WITHIN THE PROJECT LIMITS.
12. 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.

GENERAL NOTES (CONT.)

13. 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.
14. 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.
15. 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.
16. SUBMIT AS-BUILT INFORMATION PRIOR TO INSTALLING HMA PAVEMENT.

RIGHT-OF-WAY NOTES

1. SUBMIT FOR ACCEPTANCE TO CITY ENGINEER A TRAFFIC CONTROL PLAN FOR THE PROJECT'S TRAFFIC MAINTENANCE THAT MEETS MUTCD STANDARDS.
2. PROTECT EXISTING ASPHALT FROM CONSTRUCTION EQUIPMENT DAMAGE. REPLACE DAMAGED PAVEMENT AT THE DIRECTION OF THE PUBLIC WORKS DIRECTOR OR DESIGNEE.
3. 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 **WHITE 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. STORM PIPE TO BE INSPECTED AND SURVEYED PRIOR TO BACKFILL. NOTIFY CITY 48 HOURS IN ADVANCE OF ANY REQUIRED INSPECTION.
6. SWPP BMPS TO BE REMOVED AND STORM DRAIN PIPES AND STRUCTURES TO BE CLEANED AND CCTV INSPECTION PERFORMED BY A THIRD PARTY PRIOR TO FINAL ACCEPTANCE.
7. STORM DRAIN MUST ALSO BE CLEANED AND CCTV INSPECTION PERFORMED BY A THIRD PARTY AT THE END OF THE 1 YEAR WARRANTY PERIOD BEFORE FINAL BOND IS RELEASED.

SANITARY SEWER NOTES

1. SEWER PIPE TO BE INSPECTED AND SURVEYED PRIOR TO BACKFILL. NOTIFY CITY 48 HOURS IN ADVANCE OF ANY REQUIRED INSPECTION.
2. DROP MANHOLES ARE NOT PERMITTED WITHOUT PRIOR APPROVAL FROM THE CITY ENGINEER.
3. 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.
4. CLEANOUTS REQUIRED IN THE PLANTER STRIP AND 2' (MIN) TO 5' (MAX) FROM STRUCTURE. ADDITIONAL CLEANOUTS REQUIRED AT 100-FT (MAX) SPACING AND AT ALL BENDS GREATER THAN 22.5°
5. COUPLINGS TO BE DOUBLE BAND, SHIELDED ADJUSTABLE REPAIR COUPLINGS IN COMPLIANCE WITH ASTM C 1173. NO CAST IRON FITTINGS PERMITTED.
6. 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.
7. ALL SANITARY SEWER PIPES AND STRUCTURES TO BE CLEANED, AIR TESTED, AND CCTV INSPECTION PERFORMED BY A THIRD PARTY PRIOR TO FINAL ACCEPTANCE.
8. DURING CLEANING, BLOCK CONNECTION TO EXISTING CITY SEWER SYSTEM TO PREVENT DEBRIS FROM ENTERING THE SYSTEM.

WATER AND PRESSURIZED IRRIGATION NOTES

1. ALL PIPE TO BE DR18 PVC PIPE MEETING AWWA C900 SPECIFICATIONS. **DRINKING WATER LINES TO BE BLUE, PRESSURIZED IRRIGATION LINES TO BE PURPLE.**
2. SERVICE LATERALS TO BE 1" MINIMUM CTS POLY PIPE. **DRINKING WATER SERVICES TO BE BLUE, PRESSURIZED IRRIGATION SERVICES TO BE PURPLE.**
3. ALL WATER LINES TO BE INSPECTED AND SURVEYED PRIOR TO BACKFILL. NOTIFY CITY 48 HOURS IN ADVANCE OF ANY REQUIRED INSPECTION.
4. 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.
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.
6. ALL METAL FIXTURES AND APPURTENANCES MUST BE WRAPPED IN 20 MIL BLACK POLYWRAP.
7. ALL DRINKING WATER AND PRESSURIZED IRRIGATION MAIN LINES MUST BE TESTED AT 200 PSI FOR 2 HOURS.
8. PRESSURIZED IRRIGATION MAIN LINES MAY BE AIR TESTED DURING THE OFF SEASON.
9. ALL FIRE HYDRANTS 10 YEARS OR OLDER WITHIN THE PROJECT LIMITS MUST BE REPLACED.

ELECTRICAL NOTES

1. ALL WORK AND MATERIALS TO CONFORM TO NATIONAL ELECTRIC CODE AND PAYSON CITY STANDARDS.
2. ALL POWER CONDUITS TO BE **GRAY SCH 40 PVC** OR APPROVED EQUAL.
3. ALL POWER CONDUITS INSTALLED BY BORING TO BE **GRAY DURA-LINE SDR-17 SMOOTHWALL HDPE** OR APPROVED EQUAL.
4. NO OTHER UTILITY IS PERMITTED IN GRAY CONDUIT.
5. **CURB AND GUTTER ARE REQUIRED TO BE INSTALLED PRIOR TO TRENCHING OR INSTALLING ANY POWER CONDUIT.**
6. COORDINATE ALL ELECTRICAL WORK WITH PAYSON CITY POWER.

UTILITYUNIFORM COLOR CODE (RGB)

ELECTRIC POWER

RED (255,0,0)

ohp

OHP

ugp

UGP

NATURAL GAS

YELLOW (255,255,0)

g

G

CABLE / TELEPHONE / FIBER OPTIC

ORANGE (242,103,34)

catv

CATV

t

T

f/o

F/O

DRINKING (CULINARY) WATER

BLUE (0,0,255)

w

W

PRESSURIZED IRRIGATION

PURPLE (147,39,143)

irr

IRR

SANITARY SEWER

GREEN (0,255,0)

ss

SS

STORM DRAIN

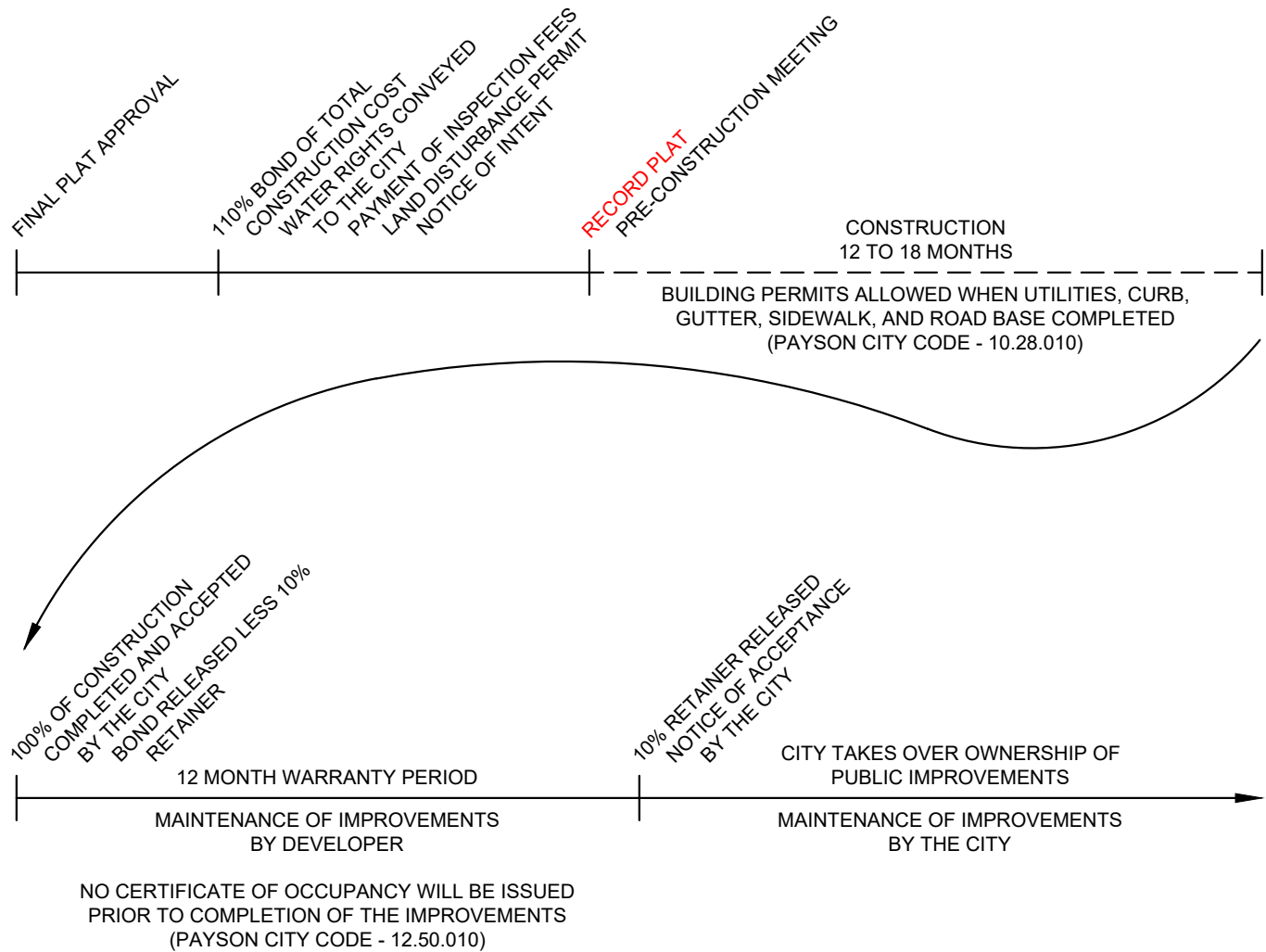
GREEN (19,103,52)

sd

SD

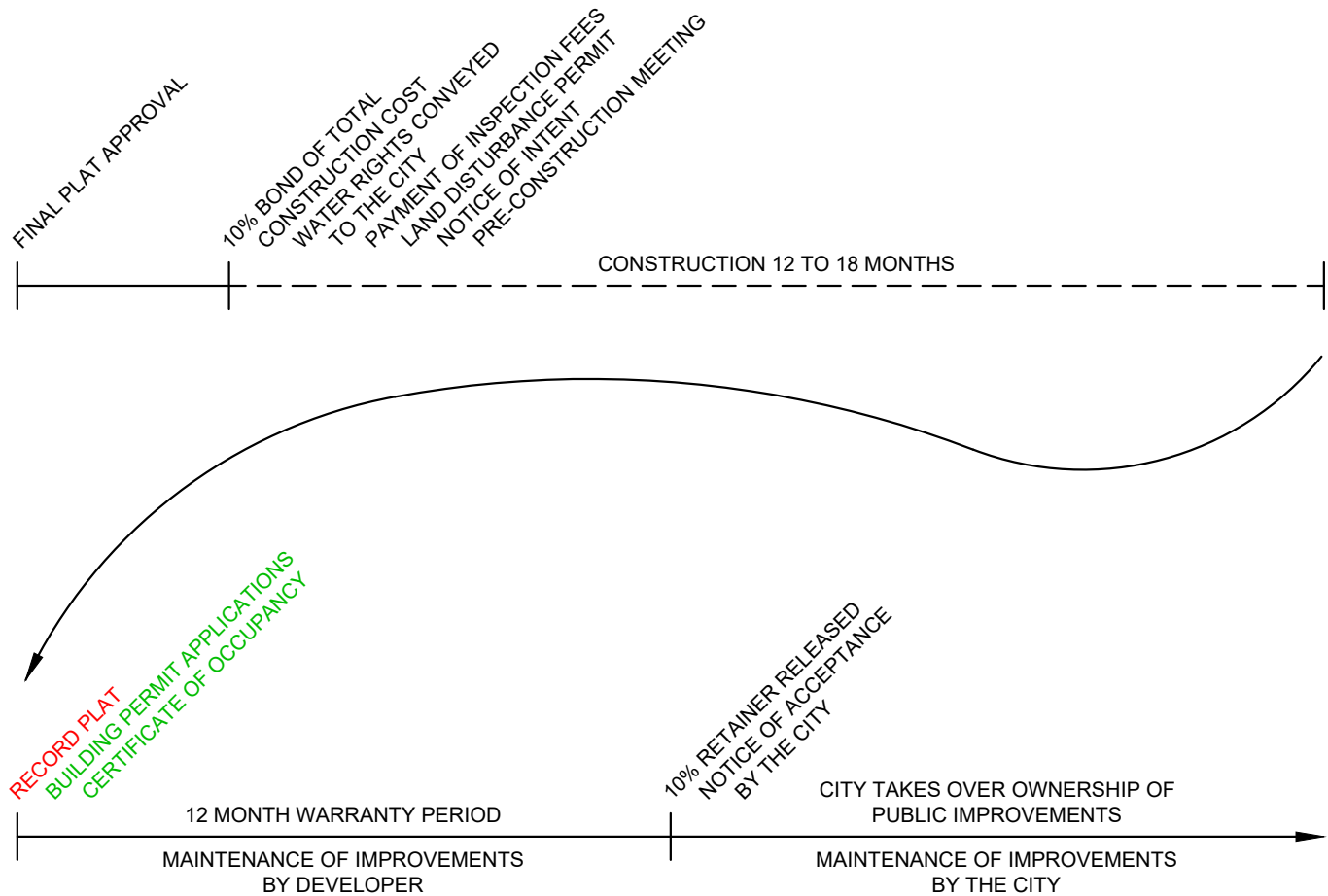
REFERENCES:

- APWA UNIFORM COLOR CODE
- EX 811 OPERATING PRACTICES
- ANSI STANDARD Z535.1 SAFETY COLOR CODE



BONDING NOTES

1. AT THE COMPLETION OF THE PROJECT, THE DEVELOPER WILL PROVIDE A SET OF AS-BUILT DRAWINGS IN AUTOCAD, **CSV, OR TXT** FORMAT BY ELECTRONIC TRANSMITTAL OR FLASH DRIVE.
2. REQUIRED AS-BUILT DRAWINGS MUST BE DELIVERED BEFORE FINAL ACCEPTANCE IS AWARDED AND BOND RETURNED.
3. EARLY BOND RELEASE FOR COMPLETED ITEMS MAY BE REQUESTED BUT IS NOT GUARANTEED. REQUESTS FOR PARTIAL BOND RELEASE MUST INCLUDE:
 - 3.1. AGREEMENT FROM THE PUBLIC WORKS INSPECTOR THAT THE ITEMS ARE INSTALLED, TESTED, AND ACCEPTED.
 - 3.2. CONFIRMATION FROM THE GIS ADMINISTRATOR THAT THE SUBSURFACE INFRASTRUCTURE HAS BEEN SHOT AND ADDED TO THE PAYSON CITY GIS MAP.
 - 3.3. AS-BUILT INFORMATION HAS BEEN RECEIVED, REVIEWED, AND ACCEPTED BY THE CITY ENGINEER OR DESIGNEE.
4. PARTIAL BOND RELEASE MAY ONLY BE REQUESTED FOR COMPLETE SYSTEM IMPROVEMENTS, i.e. WATER SYSTEM, SEWER SYSTEM, ETC.



BUILDING PERMITS ALLOWED WHEN UTILITIES, CURB, GUTTER, SIDEWALK, AND ROAD BASE COMPLETED (PAYSON CITY CODE - 10.28.010)

NO CERTIFICATE OF OCCUPANCY WILL BE ISSUED PRIOR TO COMPLETION OF THE IMPROVEMENTS (PAYSON CITY CODE - 12.50.010)

BONDING NOTES

1. AT THE COMPLETION OF THE PROJECT, THE DEVELOPER WILL PROVIDE A SET OF AS-BUILT DRAWINGS IN AUTOCAD, **CSV, OR TXT** FORMAT BY ELECTRONIC TRANSMITTAL OR FLASH DRIVE.
2. REQUIRED AS-BUILT DRAWINGS MUST BE DELIVERED BEFORE FINAL ACCEPTANCE IS AWARDED AND BOND RETURNED.

SWMP CERTIFICATION STATEMENT

1. INCLUDE THE FOLLOWING STATEMENT ON THE SWPPP STAMPED AND SIGNED BY A LICENSED PROFESSIONAL:

"I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS."

SWMP GENERAL NOTES

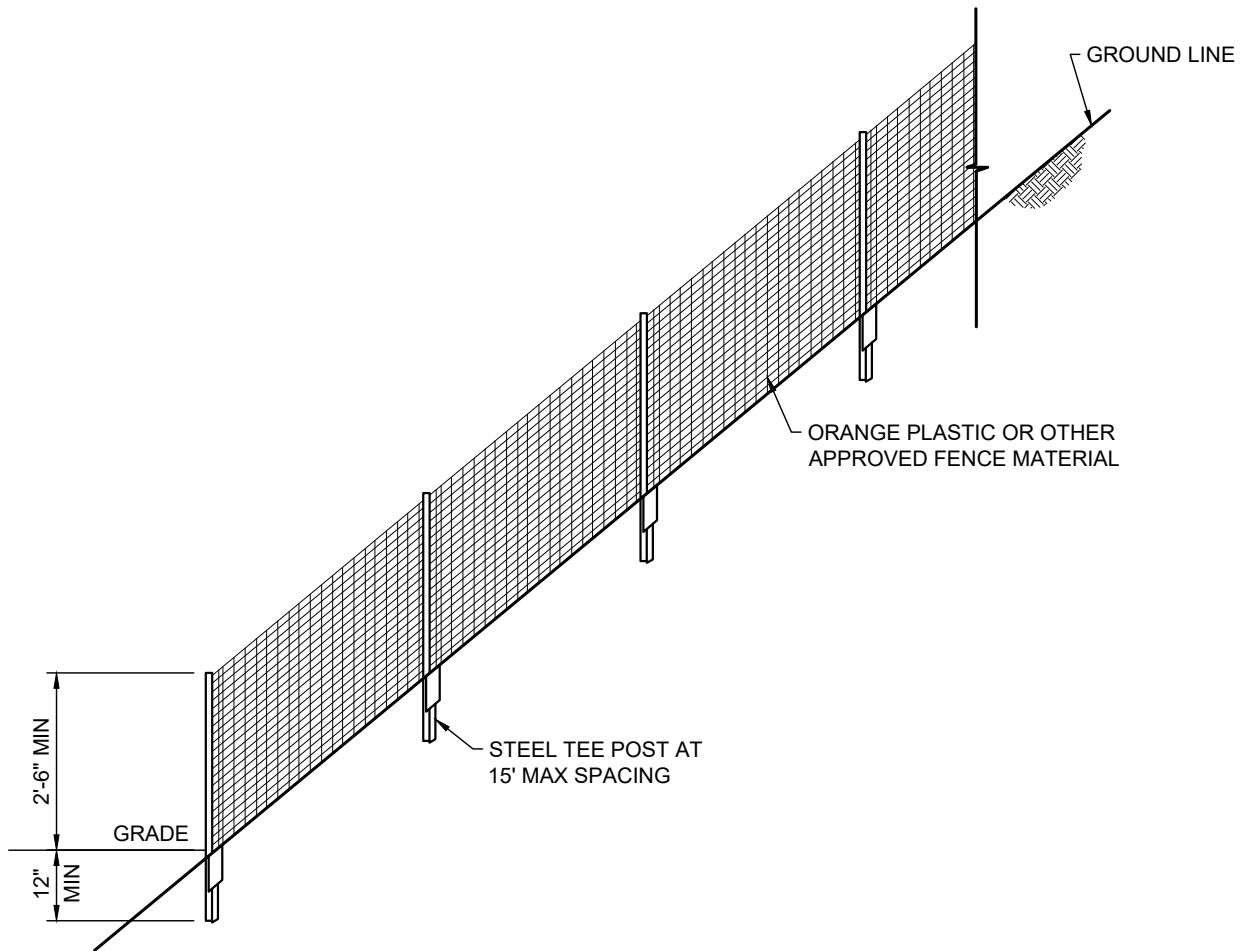
1. REFER TO THE PAYSON CITY WEBSITE FOR ALLOWABLE CONSTRUCTION BMPs, LID BEST MANAGEMENT PRACTICES MANUAL, AND THE DURING AND POST CONSTRUCTION SITE SOP.
2. AUTOCAD FILES WILL BE PROVIDED BY THE OWNER FOR CONTRACTOR USE IN STAKING AND OTHER CONSTRUCTION SURVEY NEEDS. THE CONTRACTOR WILL PROVIDE PAYSON CITY AS-BUILT DATA TO VERIFY THE FACILITIES ARE CONSTRUCTED PER PLAN.
3. EXISTING GROUND CONTOURS, SURFACE FEATURES, EQUIPMENT, AND FACILITIES TO BE SURVEYED AND INCLUDED IN THE AUTOCAD FILES.
4. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE ACCURACY AND LOCATION OF ALL EXISTING SITE FEATURES. NOTIFY BLUE STAKES (811) PRIOR TO ANY EXCAVATION.
3. APPLY COVER TO INACTIVE SOIL STOCKPILES WITHIN 14 DAYS, AND MAINTAIN THE COVER ON STOCKPILES THAT ARE PROPOSED TO REMAIN IN PLACE LONGER THAN 30 CALENDAR DAYS.
4. IMPLEMENT BMPs TO PREVENT THE RELEASE OF SEDIMENT FROM CONSTRUCTION SITES. VEHICLE TRACKING OF MUD IS NOT PERMITTED TO ENTER THE STORMWATER SYSTEM OR WATERS OF THE STATE. SEDIMENT TRACKED ONTO PUBLIC STREETS MUST BE REMOVED.
5. UTILIZE INDUSTRY STANDARDS TO PREVENT DUST, SEDIMENT, OR DEBRIS BLOWING FROM THE SITE. WATER TRUCK MAY BE REQUIRED TO KEEP WIND EROSION IN CHECK.
6. STORMWATER DISCHARGES FROM CONSTRUCTION ACTIVITIES MUST NOT CAUSE OR THREATEN TO CAUSE POLLUTION, CONTAMINATION, OR DEGRADATION OF WATERS OF THE STATE.
7. ALL EARTH DISTURBANCES ARE REQUIRED TO BE DESIGNED, CONSTRUCTED, AND COMPLETED TO LIMIT THE EXPOSED AREA OF ANY DISTURBED LAND TO THE SHORTEST POSSIBLE PERIOD OF TIME.
8. BULK STORAGE STRUCTURES FOR PETROLEUM PRODUCTS AND OTHER CHEMICALS MUST HAVE ADEQUATE PROTECTION TO CONTAIN ALL SPILLS AND PREVENT ANY SPILLED MATERIAL FROM ENTERING THE STORMWATER SYSTEM OR WATERS OF THE STATE.
9. RESEED ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITIES WITH VEGETATION AS SHOWN ON THE PLANS.
10. ANY DISTURBANCE TO TEMPORARY AND PERMANENT BMPs MUST BE REPAIRED OR REPLACED IMMEDIATELY.
11. THE PROPERTY OWNER AND SUBSEQUENT PROPERTY OWNERS ARE RESPONSIBLE FOR CONTINUED COMPLIANCE WITH THE REQUIREMENTS OF THIS SECTION DURING CONSTRUCTION ACTIVITY ON THE SITE.

SWMP STANDARD NOTES

1. CONTROL SOLID WASTE, INDUSTRIAL WASTE, YARD WASTE AND ANY OTHER POLLUTANTS OR WASTE ON ANY CONSTRUCTION SITE THROUGH THE USE OF STRUCTURAL AND NON-STRUCTURAL BMPs. WASTE AND/OR RECYCLING CONTAINERS MUST BE PROVIDED AND MAINTAINED BY THE OWNER OR CONTRACTOR ON CONSTRUCTION SITES WHERE THERE IS THE POTENTIAL FOR RELEASE OF WASTE. UNCONTAINED WASTE THAT MAY BLOW, WASH, OR OTHERWISE BE RELEASED FROM THE SITE IS PROHIBITED. OWNER OR CONTRACTOR IS REQUIRED TO PROVIDE AND MAINTAIN SANITARY WASTE FACILITIES.
2. READY-MIXED CONCRETE, OR ANY MATERIALS RESULTING FROM THE CLEANING OF VEHICLES OR EQUIPMENT CONTAINING OR USED IN TRANSPORTING OR APPLYING IT, MUST BE CONTAINED ON CONSTRUCTION SITES FOR PROPER DISPOSAL. RELEASE OF THESE MATERIALS IS PROHIBITED.
12. REMOVE AND DISPOSE ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED, OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED, WHICHEVER OCCURS FIRST.
13. TEMPORARY SEEDING AND MULCHING WITH TACK IS REQUIRED IN DISTURBED AREAS THAT WILL REMAIN DORMANT FOR MORE THAN 30 DAYS DURING THE GROWING SEASON, APRIL 1 - OCTOBER 31. OUTSIDE OF THE GROWING SEASON OR ON STEEP SLOPES, HYDRAULIC MULCHING MAY BE USED AS AN ALTERNATIVE TO SEEDING AND MULCHING. NO MEASURES REQUIRED WHEN SURFACE SOIL IS FROZEN AND MINISCULE CHANCE OF RAINFALL OR THAWING EVENT WHILE SURFACE IS UNSTABILIZED. SURFACE ROUGHENING MUST BE COMPLETED REGARDLESS OF WEATHER AND TIME OF YEAR.

REVEGETATION NOTES

1. PROVIDE SEEDING ON DISTURBED AREAS.
2. THE SEEDBED SHOULD BE WELL SETTLED AND FIRM, BUT FRIABLE ENOUGH SO THAT SEED CAN BE PLACED AT THE RECOMMENDED SEEDING DEPTH. THE IDEAL FIRMNESS IS WHEN ONE-HALF INCH BOOT PRINT REMAINS AFTER WALKING ACROSS THE SOIL SURFACE. IF THE TOPSOIL IS OVER-COMPACTED BY TRAFFIC OR EQUIPMENT, THREE STEPS ARE REQUIRED TO PREPARE THE SEEDBED. FIRST, THE SOIL SHOULD BE TILLED TO BREAK UP ROOT RESTRICTING LAYERS. SECOND, IT SHOULD BE HARROWED. THIRD, THE SOIL SHOULD BE ROLLED OR PACKED. THESE STEPS ESTABLISH THE NECESSARY SEEDBED.
3. SEEDING IS REQUIRED BEFORE DISTURBED AREAS BECOME CRUSTED OR POLISHED AND WITHIN 30 DAYS OF COMPLETION OF EARTH-DISTURBING WORK.
4. UTILIZE A GRASS DRILL FOR SEEDING. THE DRILL SHOULD BE EQUIPPED WITH A SATISFACTORY SEEDING MECHANISM, AGITATOR, DOUBLE DISK FURROW OPENERS, DEPTH BANDS, AND PACKER WHEELS OR DRAG CHAINS. THE DISTANCE BETWEEN DRILL ROWS SHOULD NOT EXCEED TWELVE INCHES. SEED MAY BE BROADCAST IN AREAS THAT ARE INACCESSIBLE FOR DRILLING. DOUBLE SEEDING RATES IF THE SEED IS BROADCAST. THE BROADCASTED SEED SHOULD BE UNIFORMLY DISTRIBUTED OVER THE GROUND SURFACE AND MIXED INTO THE SOIL EITHER WITH A HARROW OR BY HAND RAKING. PLANTING (BROADCAST OR DRILL METHOD) WILL BE MOST SUCCESSFUL IF PERFORMED WHEN THE GROUND IS NOT FROZEN. DO NOT SEED WHEN THE SOIL SURFACE IS FROZEN. THE SEEDS SHOULD BE PLANTED BETWEEN 0.5 AND 1.0 INCHES DEEP.
5. APPLY MULCH TO THE SEEDED AREA TO HELP MODERATE SOIL TEMPERATURES, TO IMPROVE SOIL MOISTURE ABSORPTION, AND TO IMPROVE SOIL HOLDING CAPACITY OF MOISTURE. GRASS HAY OR CEREAL GRAIN STRAW THAT IS FREE OF WEED SEED IS RECOMMENDED FOR MULCH. APPLY 4,000 POUNDS OF MULCH PER ACRE TO THE SOIL SURFACE. AT LEAST HALF OF THE MATERIAL SHOULD BE TEN INCHES OR MORE IN LENGTH. DO NOT USE FINE MATERIALS. THE MULCH SHOULD BE ANCHORED EITHER WITH COMMERCIAL NETTING PRODUCTS (ON SLOPES STEEPER THAN 3:1) OR MECHANICALLY. MECHANICAL ANCHORING CAN BE ACCOMPLISHED USING A HEAVY DISK IMPLEMENT WITH DULL BLADES TO PUNCH THE MULCH INTO THE SOIL TWO TO THREE INCHES DEEP. CRIMPING SHOULD NOT SEVER THE MULCH. DO NOT MULCH WHEN WIND VELOCITIES EXCEED FIFTEEN MILES PER HOUR.
6. ALL TILLAGE, SEEDING, AND CRIMPING OPERATIONS SHOULD BE PERFORMED ACROSS THE SLOPE WHEN PRACTICAL.
7. DO NOT APPLY LIMESTONE OR FERTILIZER.
8. PROTECT AND CARE FOR THE SEEDED AREAS UNTIL FINAL ACCEPTANCE (70% VEGETATION TO PRE-CONSTRUCTION LEVEL AND APPROVED BY PAYSON CITY).
9. UTILIZE A DROUGHT RESISTANT, NATIVE SEED MIX, INCLUDE SEED MIX IN THE SWMP REPORT.

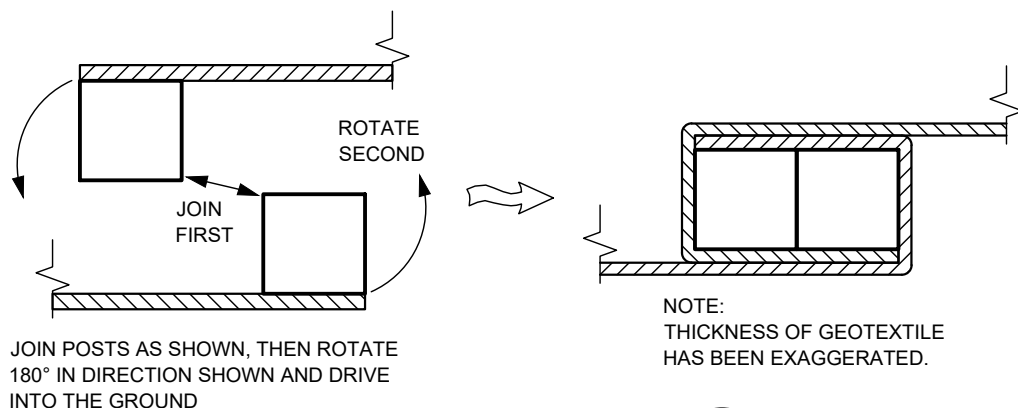


CONSTRUCTION FENCE INSTALLATION NOTES

1. SEE PLAN VIEW FOR:
 - TYPE OF CONSTRUCTION LIMIT INDICATOR (FENCE OR MARKERS).
 - LOCATION AND LENGTH OF FENCE OR LINE OF MARKERS.
2. INSTALL CONSTRUCTION FENCE OR MARKERS INDICATED ON PLANS PRIOR TO OTHER BMPS AND ANY LAND-DISTURBING ACTIVITIES.
3. UTILIZE STEEL TEE POSTS FOR SUPPORT OF CONSTRUCTION FENCE. MAXIMUM SPACING FOR TEE POSTS IS 15'.

CONSTRUCTION FENCE MAINTENANCE NOTES

1. ANY DAMAGED FENCE OR MARKERS MUST BE REPAIRED ON A DAILY BASIS.
2. REMOVE FENCE OR MARKERS AT THE END OF CONSTRUCTION. IF ANY DISTURBED AREA EXISTS AFTER FENCE REMOVAL, IT MUST BE DRILL SEEDED AND CRIMP MULCHED OR OTHERWISE STABILIZED IN A MANNER APPROVED BY THE PROJECT ENGINEER.

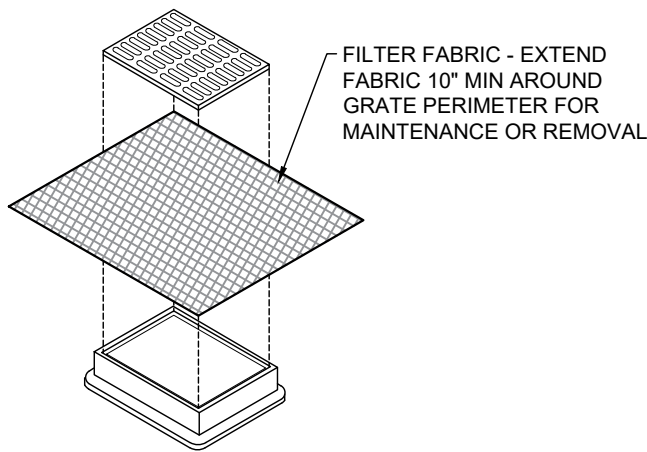


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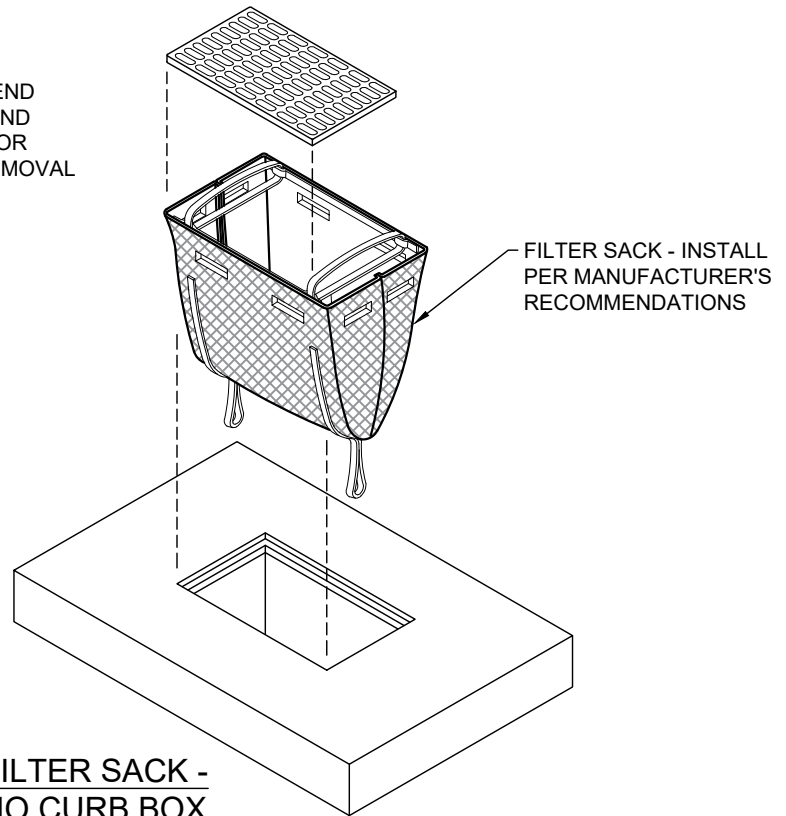
NOTE:
THICKNESS OF GEOTEXTILE
HAS BEEN EXAGGERATED.

1. SEE PLAN VIEW FOR LOCATION AND LENGTH OF FENCE.
2. EXCAVATE ANCHOR TRENCH WITH TRENCHER, OR WITH SILT FENCE INSTALLATION MACHINE; DO NOT USE ROAD GRADERS, BACKHOES, ETC. COMPACT TRENCH BY HAND, WITH "JUMPING JACK", OR BY WHEEL ROLLING. COMPACTION MUST BE SUCH THAT SILT FENCE RESISTS BEING PULLED OUT OF ANCHOR TRENCH BY HAND.
3. SILT FENCE GEOTEXTILE MUST MEET THE FOLLOWING REQUIREMENTS:
 - 6 TO 12 GALLONS PER MINUTE PER SQUARE FOOT FLOW CAPACITY.
 - 90 LB. TENSILE STRENGTH PER ASTM D1622.
 - UV DESIGN AT 500 HRS. MIN. 70% STRENGTH RETAINED PER ASTM D4355.
4. INSTALL SILT FENCE AS INDICATED ON INITIAL SWPP PLAN PRIOR TO ANY LAND DISTURBING ACTIVITIES.

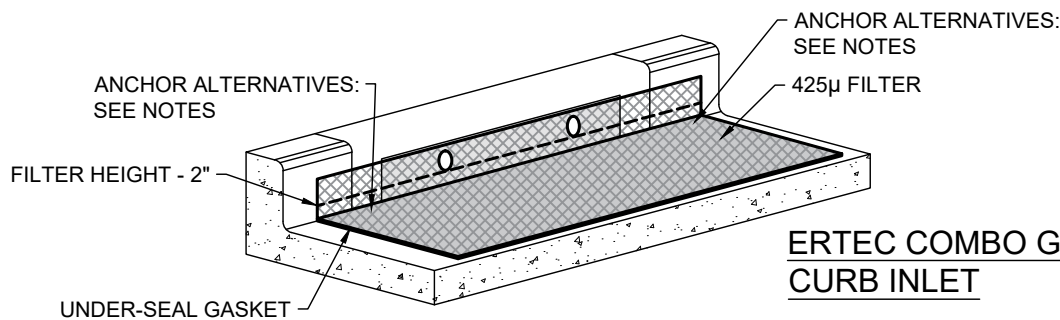
1. THE CONTRACTOR MUST INSPECT SILT FENCE DAILY DURING AND AFTER AND STORM EVENT AND MAKE REPAIRS OR CLEAN OUT UPSTREAM SEDIMENT AS NECESSARY.
2. SEDIMENT ACCUMULATED UPSTREAM OF SILT FENCE IS REQUIRED TO BE REMOVED WHEN THE UPSTREAM SEDIMENT REACHES A DEPTH OF 6-INCHES.
3. REMOVE SILT FENCE AS INDICATED ON THE PLAN SET. IF ANY DISTURBED AREA EXISTS AFTER REMOVAL, SEED AND MULCH OR OTHERWISE STABILIZE THE AREA IN A MANNER APPROVED BY THE PROJECT ENGINEER.



**FILTER FABRIC -
NO CURB BOX**



**FILTER SACK -
NO CURB BOX**



**ERTEC COMBO GUARD -
CURB INLET**

ERTEC COMBO GUARD INSTALLATION NOTES:

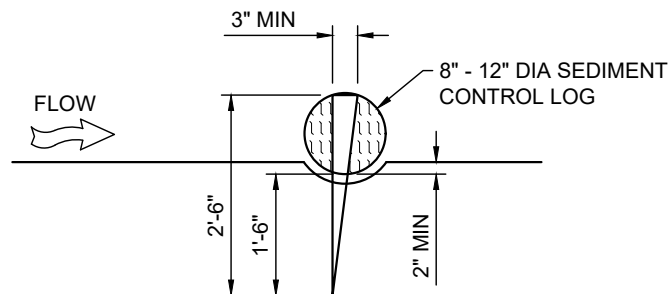
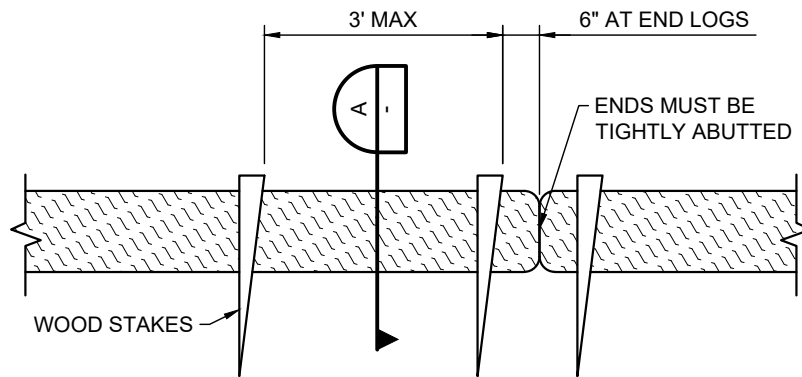
1. **PLACEMENT:** PLACE COMBO GUARD TIGHTLY AGAINST CURB OPENING AND COVER ENTIRE GRATE. COMBO GUARD SHOULD EXTEND AT LEAST 2 INCHES PAST GRATE TOWARDS STREET.
2. **OVERLAP FOR LONG OPENINGS:** OVERLAP COMBO GUARD UNITS AT LONGER OPENINGS.
3. **ANCHOR:** ANCHOR COMBO GUARD SO THAT WATER CANNOT FLOW BEHIND IT.
4. **ANCHOR METHODS:** A) ATTACH WITH 16 GAUGE TIE-WIRE. B) FASTEN WITH CONCRETE ANCHORS/NAIls AT THE OUTSIDE EDGES OF COMBO GUARD.

INLET PROTECTION INSTALLATION NOTES:

1. SEE PLAN VIEW FOR LOCATION OF INLET PROTECTION.
2. ONLY USE FILTER FABRIC OR FILTER SACK IN INLETS WITHOUT CURB BOX.
3. INSTALL FILTER FABRIC OR FILTER SACK PER MANUFACTURER'S RECOMMENDATIONS.
4. UTILIZE ERTEC COMBO GUARD OR ENGINEER APPROVED EQUIVALENT FOR CURB INLETS.
5. INSTALL ERTEC COMBO GUARD PER MANUFACTURER'S SPECIFICATIONS.
6. GRAVEL SOCKS ARE NOT PERMITTED.

INLET PROTECTION MAINTENANCE NOTES:

1. THE CONTRACTOR MUST INSPECT INLET PROTECTION DAILY DURING AND AFTER ANY STORM EVENT AND MAKE REPAIRS OR CLEAN OUT SEDIMENT AS NECESSARY.
2. INLET PROTECTION IS REQUIRED TO BE REMOVED AND INLETS CLEANED AND INSPECTED PRIOR TO ACCEPTANCE.



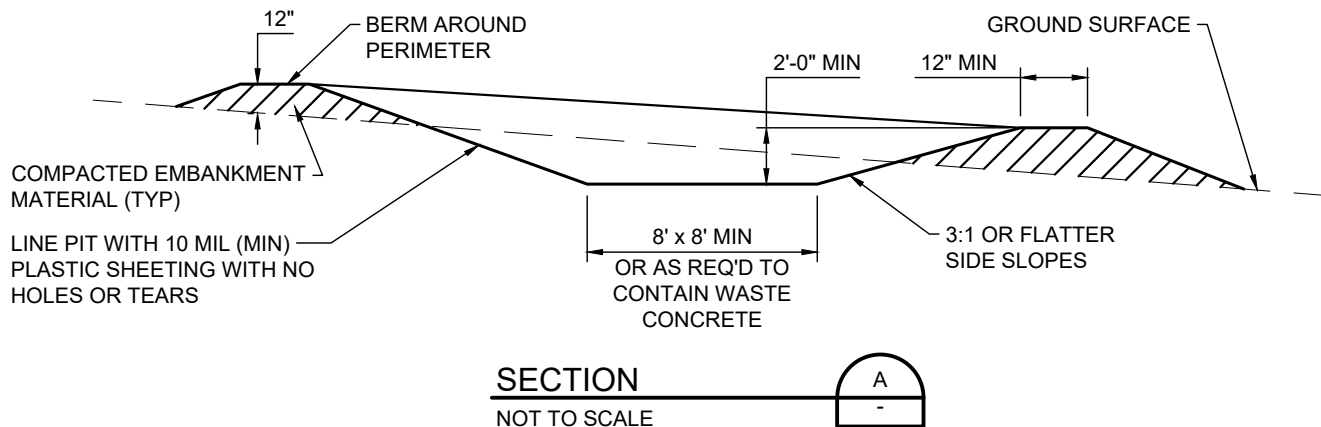
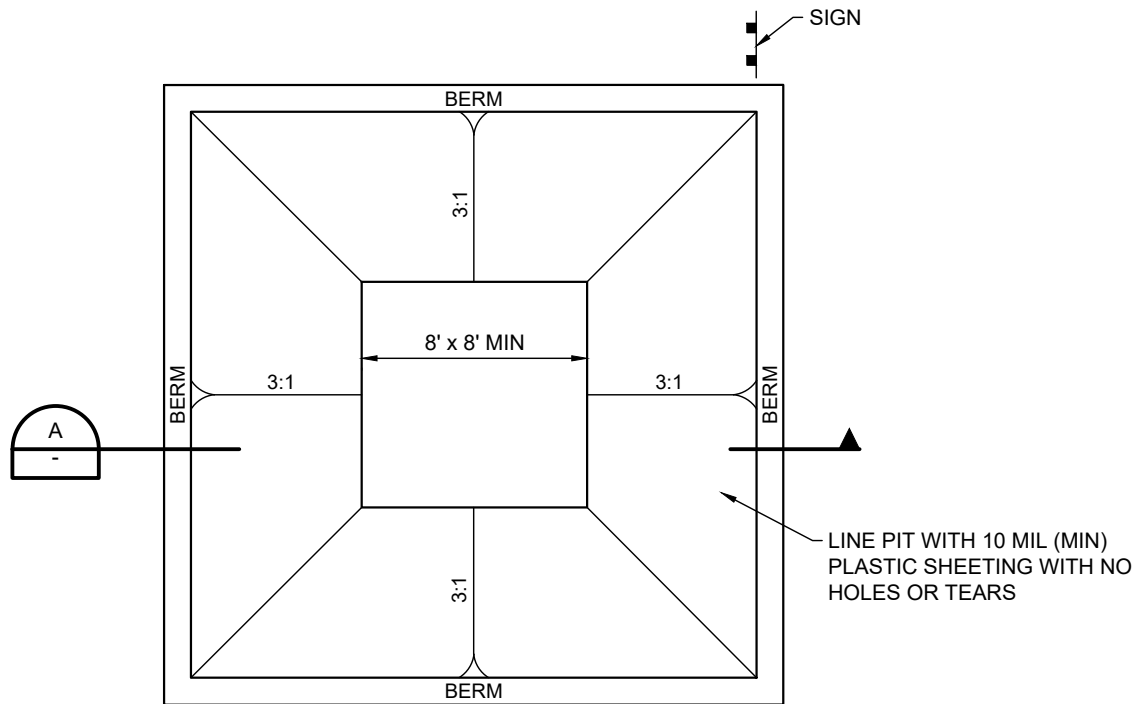
SECTION
NOT TO SCALE

SEDIMENT CONTROL LOG INSTALLATION NOTES:

1. SEE PLAN VIEW FOR LOCATION AND LENGTH OF SEDIMENT CONTROL LOG.
2. INSTALL SEDIMENT CONTROL LOGS AS INDICATED ON SWPP PLAN PRIOR TO ANY LAND DISTURBING ACTIVITIES.
3. UTILIZE SEDIMENT CONTROL LOGS CONSISTING OF STRAW, COMPOST, EXCELSIOR, OR COCONUT FIBER. GRAVEL FILLED SOCKS ARE NOT PERMITTED.
4. NOT FOR USE IN CONCENTRATED FLOW AREAS.
5. THE SEDIMENT CONTROL LOG MUST BE TRENCHED INTO THE GROUND A MINIMUM OF 2".

SEDIMENT CONTROL LOG MAINTENANCE NOTES:

1. THE CONTRACTOR IS REQUIRED TO INSPECT SEDIMENT CONTROL LOGS DAILY AS WELL AS DURING AND AFTER ANY STORM EVENT AND MAKE REPAIRS OR CLEAN OUT UPSTREAM SEDIMENT AS NECESSARY.
2. REMOVE SEDIMENT ACCUMULATED UPSTREAM OF SEDIMENT CONTROL LOGS WHEN THE UPSTREAM SEDIMENT DEPTH IS WITHIN 1/2 THE HEIGHT OF THE CREST OF LOG.
3. REMOVE SEDIMENT CONTROL LOG ONCE SITE STABILIZED. IF ANY DISTURBED AREA EXISTS AFTER REMOVAL, DRILL SEED AND CRIMP MULCH OR OTHERWISE STABILIZE THE AREA IN A MANNER APPROVED BY THE PROJECT ENGINEER.



CONCRETE WASHOUT AREA INSTALLATION NOTES

1. SEE PLAN VIEW FOR LOCATIONS OF CONCRETE WASHOUT AREA.
2. CONCRETE WASHOUT AREA IS REQUIRED PRIOR TO ANY CONCRETE PLACEMENT ON SITE.
3. STABILIZED CONSTRUCTION ENTRANCE IS REQUIRED AT THE ACCESS POINT.
4. SIGN WASHOUT AREA IN AN OBVIOUS MANNER. PLACE SIGNS AT CONSTRUCTION ENTRANCE, AT THE WASHOUT AREA, AND ELSEWHERE AS NECESSARY TO CLEARLY INDICATE THE LOCATION OF THE CONCRETE WASHOUT AREA TO OPERATORS OF CONCRETE TRUCKS AND PUMP RIGS.
5. UTILIZE EXCAVATED MATERIAL IN PERIMETER BERM CONSTRUCTION.

CONCRETE WASHOUT AREA MAINTENANCE NOTES

1. THE CONCRETE WASHOUT AREA MUST BE CLEANED OUT, REPAIRED OR ENLARGED AS NECESSARY TO MAINTAIN CAPACITY FOR WASTED CONCRETE. DO NOT ALLOW WASHOUT CONTENTS TO OVERTOP WASHOUT DETENTION WALLS.
2. WHEN WASHOUT CONCRETE IS SOLID, POUR EXCESS "CLEAN" WATER OFF, REMOVE CONCRETE FROM SITE AND DISPOSE OF PROPERLY.
3. AT END OF CONSTRUCTION, REMOVE ALL CONCRETE FROM SITE AND DISPOSE AT AN APPROVED WASTE SITE.
4. WHEN THE CONCRETE WASHOUT AREA IS REMOVED, THE DISTURBED AREA MUST BE DRILL SEEDING AND CRIMP MULCHED OR OTHERWISE STABILIZED IN A MANNER APPROVED BY THE PROJECT ENGINEER.
5. INSPECT WEEKLY, DURING, AND AFTER ANY STORM EVENT.



SMALL ECO-PAN

1. 1.5 CUBIC YARDS, 7' x 7' x 14"
2. 550 LBS DRY WEIGHT
3. 3 TON / 300 GALLON LOAD CAPACITY
4. 10-15 MIX WASHOUTS



LARGE ECO-PAN

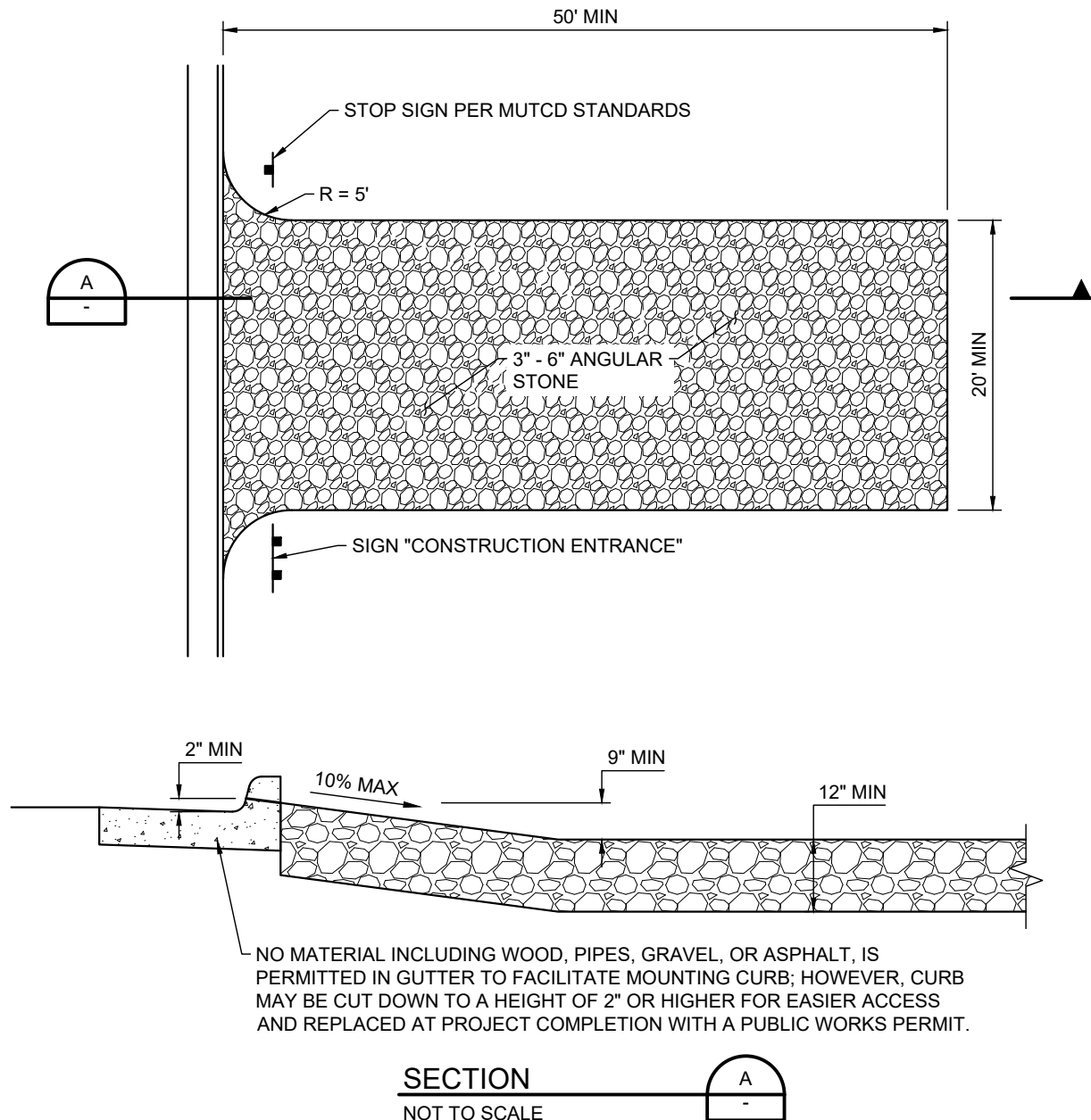
1. 2.35 CUBIC YARDS, 7' x 7' x 28"
2. 850 LBS DRY WEIGHT
3. 5 TON / 475 GALLON LOAD CAPACITY
4. 20-30 MIX WASHOUTS

CONCRETE WASHOUT AREA INSTALLATION NOTES

1. SEE PLAN VIEW FOR LOCATIONS OF CONCRETE WASHOUT AREA.
2. UTILIZE ECO-PAN OR EQUIVALENT REMOVABLE / DISPOSABLE CONCRETE WASHOUT FACILITY.
3. THE CONCRETE WASHOUT AREA MUST BE INSTALLED PRIOR TO ANY CONCRETE PLACEMENT ON SITE.
4. STABILIZED CONSTRUCTION ENTRANCE IS REQUIRED AT THE ACCESS POINT.
5. PLACE SIGNS AT CONSTRUCTION ENTRANCE, AT THE WASHOUT AREA, AND ELSEWHERE AS NECESSARY TO CLEARLY INDICATE THE LOCATION OF THE CONCRETE WASHOUT AREA TO OPERATORS OF CONCRETE TRUCKS AND PUMP RIGS.

CONCRETE WASHOUT AREA MAINTENANCE NOTES

1. THE CONCRETE WASHOUT AREA SHALL BE CLEANED OUT OR REPLACED AS NECESSARY TO MAINTAIN CAPACITY FOR WASTED CONCRETE. WASHOUT SHOULD NEVER OVERFLOW.
2. AT END OF CONSTRUCTION, REMOVE ALL CONCRETE FROM SITE AND DISPOSE AT AN APPROVED WASTE SITE.
3. WHEN THE CONCRETE WASHOUT AREA IS REMOVED, THE DISTURBED AREA MUST BE DRILL SEEDING AND CRIMP MULCHED OR OTHERWISE STABILIZED IN A MANNER APPROVED BY THE PROJECT ENGINEER.
4. INSPECT WEEKLY, DURING, AND AFTER ANY STORM EVENT.

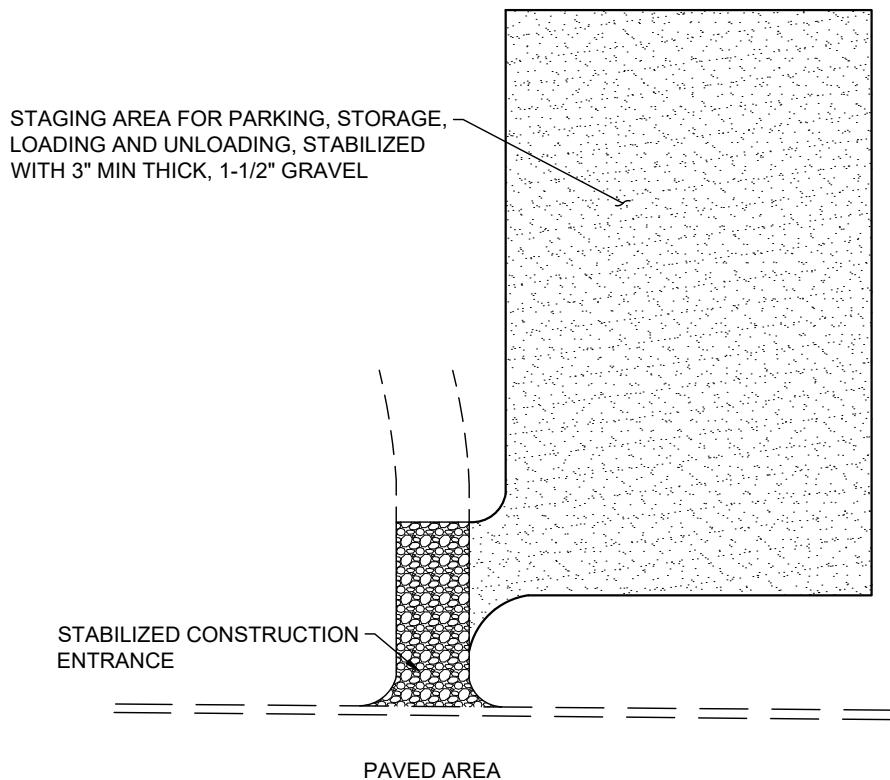


STABILIZED CONSTRUCTION ENTRANCE INSTALLATION NOTES

1. STABILIZED CONSTRUCTION ENTRANCE IS REQUIRED AT EVERY ACCESS POINT TO SITE.
2. STABILIZED CONSTRUCTION ENTRANCE MUST CONSIST OF HARD, DENSE, DURABLE STONE, ANGULAR IN SHAPE AND RESISTANT TO WEATHERING. ROUNDED STONE OR BOULDERS ARE NOT ACCEPTABLE. THE STONES MUST BE 3" WITH A MAXIMUM SIZE OF 6". UTILIZE A STONE WITH A SPECIFIC GRAVITY OF AT LEAST 2.6. CONTROL OF GRADATION WILL BE BY VISUAL INSPECTIONS.
3. ANY CRACKED OR DAMAGED CURB AND GUTTER AND SIDEWALK WILL BE REPLACED BY PERMITTEE.
4. ALL ACCESS POINTS TO THE SITE ARE REQUIRED TO BE SHOWN ON THE PLANS.

STABILIZED CONSTRUCTION ENTRANCE MAINTENANCE NOTES

1. CONTRACTOR MUST INSPECT STABILIZED CONSTRUCTION ENTRANCE DAILY. AGGREGATE SURFACE IS TO BE CLEAN AND LOOSE ENOUGH TO RUT SLIGHTLY UNDER WHEEL LOADS AND CAUSE LOOSE STONE TO DISLODGE MUD FROM TIRES. WHEN GRAVEL BECOMES COMPACTED OR FILLED WITH SEDIMENT SO THAT THE EFFECTIVENESS OF THE PAD IS DIMINISHED, CONTRACTOR IS REQUIRED TO RIP, TURN OVER, OR OTHERWISE LOOSEN GRAVEL, PLACE ADDITIONAL NEW AGGREGATE, OR REPLACE WITH NEW STONE AS NECESSARY TO RESTORE EFFECTIVENESS.
2. REMOVE STABILIZED CONSTRUCTION ENTRANCE AT THE END OF CONSTRUCTION AND RESTORE THE AREA AS INDICATED ON THE PLANS.

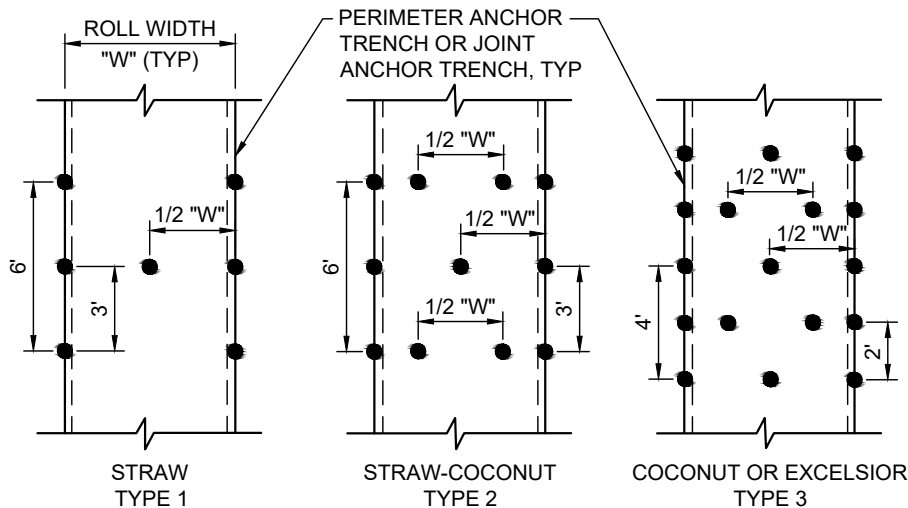


STABILIZED STAGING AREA INSTALLATION NOTES

1. SEE PLAN VIEW FOR GENERAL LOCATION OF STAGING AREA. CONTRACTOR MAY MODIFY LOCATION AND SIZE OF STABILIZED STAGING AREA WITH APPROVAL OF THE PROJECT ENGINEER.
2. STABILIZED STAGING AREA MUST BE LARGE ENOUGH TO FULLY CONTAIN PARKING, STORAGE, AND UNLOADING AND LOADING OPERATIONS.
3. IF REQUIRED, STABILIZE SITE ACCESS ROADS IN THE SAME MANNER AS THE STAGING AREA.
4. STAGING AREA MUST BE STABILIZED PRIOR TO ANY OTHER OPERATIONS ON THE SITE.
5. THE STABILIZED STAGING AREA MUST CONSIST OF A MINIMUM OF 3" OF GRANULAR MATERIAL (NOT RECYCLED CONCRETE).

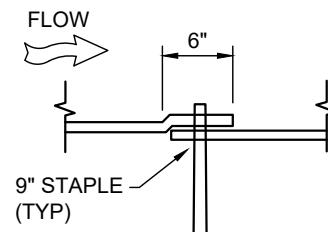
STABILIZED STAGING AREA MAINTENANCE NOTES

1. THE CONTRACTOR IS REQUIRED TO INSPECT THE STABILIZED STAGING AREA WEEKLY, DURING, AND AFTER ANY STORM EVENT AND MAKE REPAIRS OR CLEAN OUT UPSTREAM SEDIMENT AS NECESSARY.
2. PROVIDE ADDITIONAL THICKNESS OF GRANULAR MATERIAL IF ANY RUTTING OCCURS OR UNDERLYING SUBGRADE BECOMES EXPOSED.
3. ENLARGE THE STABILIZED STAGING AREA IF NECESSARY TO CONTAIN PARKING, STORAGE, AND UNLOADING AND LOADING OPERATIONS.
4. REMOVE ANY ACCUMULATED DIRT OR MUD FROM THE SURFACE OF THE STABILIZED STAGING AREA.
5. REMOVE THE STABILIZED STAGING AREA AT THE END OF CONSTRUCTION. THE GRANULAR MATERIAL MUST BE REMOVED OR, IF APPROVED, USED ON SITE, AND THE AREA TOPSOILED, DRILL SEEDED AND CRIMP MULCHED OR OTHERWISE STABILIZED.



STAKING PATTERNS

SHALL BE IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATION.
IF NO MANUFACTURER'S SPECIFICATION IS AVAILABLE USE THE
ACCEPTABLE STAKING PATTERN (AS SHOWN ABOVE)



OVERLAPPING JOINT

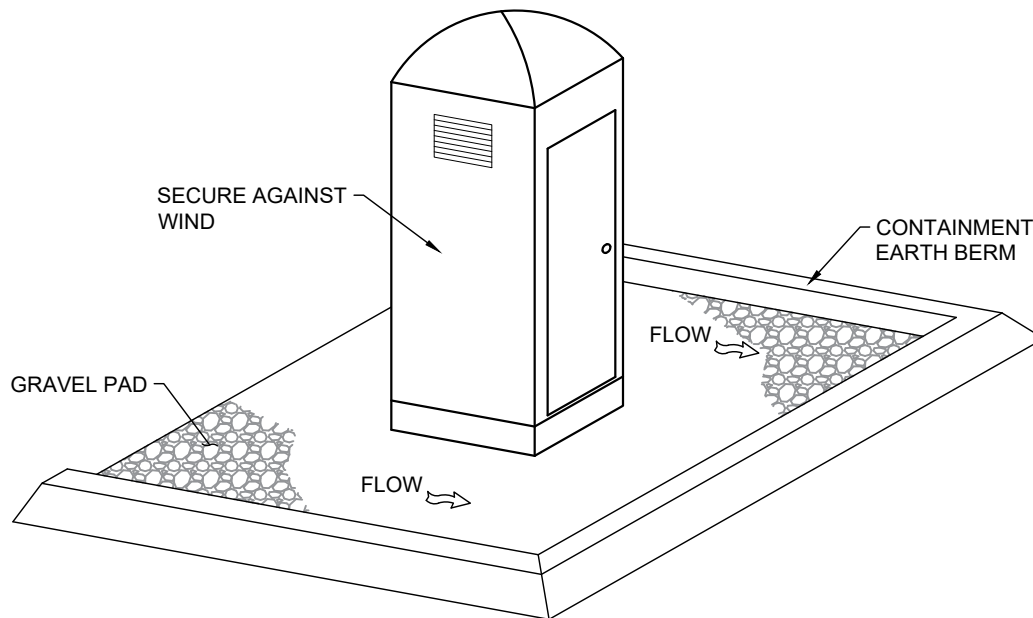
EROSION CONTROL BLANKET INSTALLATION NOTES

- SEE PLAN VIEW FOR:
 - LOCATION OF PERIMETER OF EROSION CONTROL BLANKET.
 - TYPE OF BLANKET (STRAW-COCONUT).
 - AREA "A" IN SQUARE YARDS OF EACH TYPE OF BLANKET.
 - DEPTH, "D", BLANKET SHALL BE INSTALLED ABOVE CHANNEL INVERT.
- ALL EROSION CONTROL BLANKETS AND NETTING SHALL BE MADE OF 100% NATURAL AND BIODEGRADABLE MATERIAL; NO PLASTIC OR OTHER SYNTHETIC MATERIAL, EVEN IF PHOTO DEGRADABLE, SHALL BE ALLOWED.
- IN AREAS WHERE EROSION CONTROL BLANKET IS SHOWN ON THE PLANS, THE PERMITTEE SHALL PLACE TOPSOIL AND PERFORM FINAL GRADING, SURFACE PREPARATION, AND SEEDING BELOW THE BLANKET IN ACCORDANCE WITH THE REQUIREMENTS OF THE LANDSCAPING PLAN, SEEDING AND MULCHING. SUBGRADE SHALL BE SMOOTH AND MOIST PRIOR TO BLANKET INSTALLATION AND THE BLANKET SHALL BE IN FULL CONTACT WITH SUBGRADE, NO GAPS OR VOIDS SHALL EXIST UNDER THE BLANKET.
- EROSION CONTROL BLANKET SHALL BE PLACED SMOOTHLY, BUT LOOSELY, ON THE SOIL SURFACE, WITHOUT STRETCHING.
- PERIMETER ANCHOR TRENCH SHALL BE USED AT OUTSIDE PERIMETER OF ALL BLANKET AREAS.
- JOINT ANCHOR TRENCH SHALL BE USED TO JOIN ROLLS OF BLANKETS TOGETHER (LONGITUDINALLY AND TRANSVERSELY) FOR ALL BLANKETS EXCEPT STRAW, WHICH MAY USE AN OVERLAPPING JOINT.
- INTERMEDIATE ANCHOR TRENCH SHALL BE USED AT SPACING OF ONE-HALF THE ROLL LENGTH FOR COCONUT AND EXCELSIOR BLANKETS.
- THE OVERLAPPING JOINT DETAIL SHALL BE USED TO JOIN ROLLS OF BLANKETS TOGETHER FOR BLANKETS ON SLOPES.
- MATERIAL SPECIFICATIONS OF EROSION CONTROL BLANKET SHALL CONFORM TO TABLE 7.1. A SAMPLE OF BLANKET SHALL BE SUBMITTED AT LEAST TWO WEEKS IN ADVANCE OF ITS USE FOR APPROVAL BY THE PROJECT ENGINEER.
- ANY AREAS OF SEEDING AND MULCHING DISTURBED IN THE PROCESS OF INSTALLING EROSION CONTROL BLANKET SHALL BE RESEEDED AND MULCHED IN ACCORDANCE WITH THE LANDSCAPING PLAN.
- SEE DRAINAGE DESIGN PLANS FOR MAJOR DRAINAGEWAY STABILIZATION MEASURES THAT MAY EXCEED THE DESIGN CONDITIONS ASSOCIATED WITH THE DETAILS ABOVE.

| EROSION CONTROL BLANKET TYPE | | | | |
|------------------------------|--------------------|------------------|----------------------|----------------|
| TYPE | COCONUT CONTENT | STRAW CONTENT | EXCELSIOR CONTENT | NETTING MIN. |
| STRAW-COCONUT | 30% MIN. | 70% MAX. | - | DOUBLE/NATURAL |

EROSION CONTROL BLANKET INSTALLATION NOTES

- THE CONTRACTOR SHALL INSPECT EROSION CONTROL BLANKETS WEEKLY, DURING AND AFTER ANY STORM EVENT AND MAKE REPAIRS AS NECESSARY.
- EROSION CONTROL BLANKET IS TO BE LEFT IN PLACE UNLESS REQUESTED TO BE REMOVED BY THE PROJECT ENGINEER.
- ANY EROSION CONTROL BLANKET PULLED OUT, TORN, OR OTHERWISE DAMAGED SHALL BE RE-INSTALLED. ANY SUBGRADE AREAS BELOW THE BLANKET THAT HAVE ERODED TO CREATE A VOID UNDER THE BLANKET, OR THAT REMAIN DEVOID OF GRASS SHALL BE REPAIRED, RESEEDED AND MULCHED AND THE EROSION CONTROL BLANKET REINSTALLED.

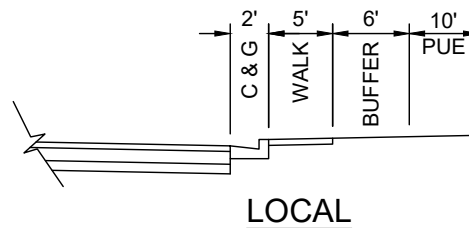
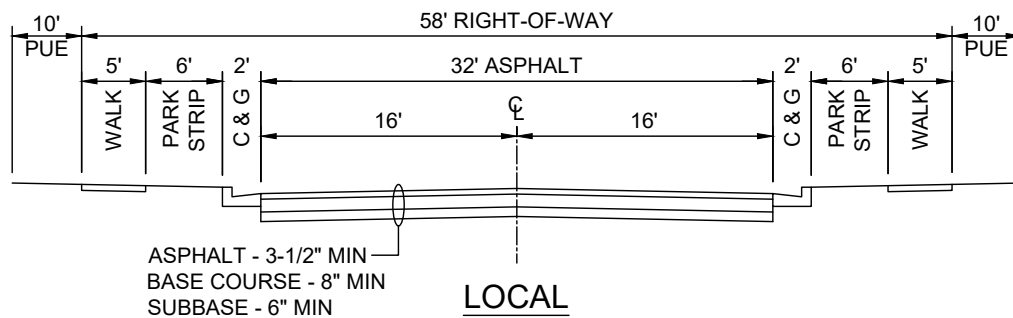
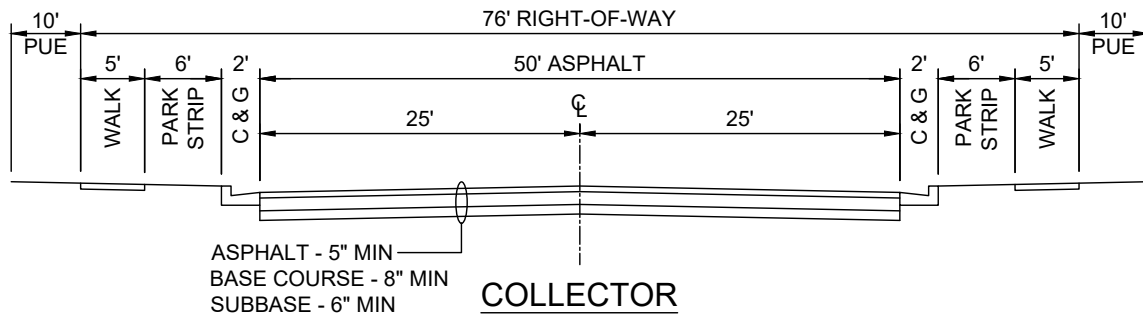
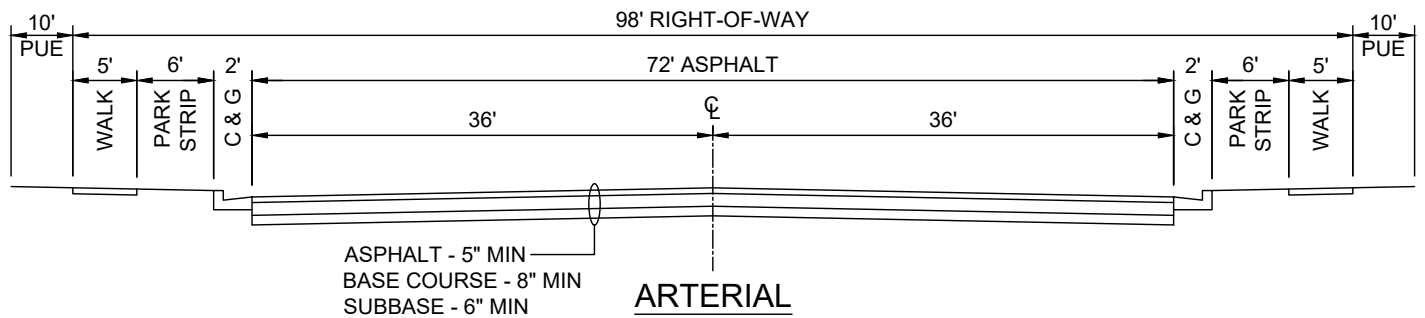


PORTABLE TOILET INSTALLATION NOTES:

1. SEE PLAN VIEW FOR LOCATION OF TEMPORARY ON-SITE PORTABLE TOILET FOR CONSTRUCTION PERSONNEL.
2. LOCATE PORTABLE TOILETS IN CONVENIENT LOCATIONS THROUGHOUT THE SITE, 10' (MIN) BEHIND THE CURB.
3. PREPARE LEVEL, GRAVEL SURFACE AND PROVIDE CLEAR ACCESS TO THE TOILETS FOR SERVICING AND FOR ON-SITE PERSONNEL.
4. CONSTRUCT EARTH BERM PERIMETER (6" TALL BY 6" WIDE), CONTROL FOR SPILL/PROTECTION LEAK.

PORTABLE TOILET MAINTENANCE NOTES:

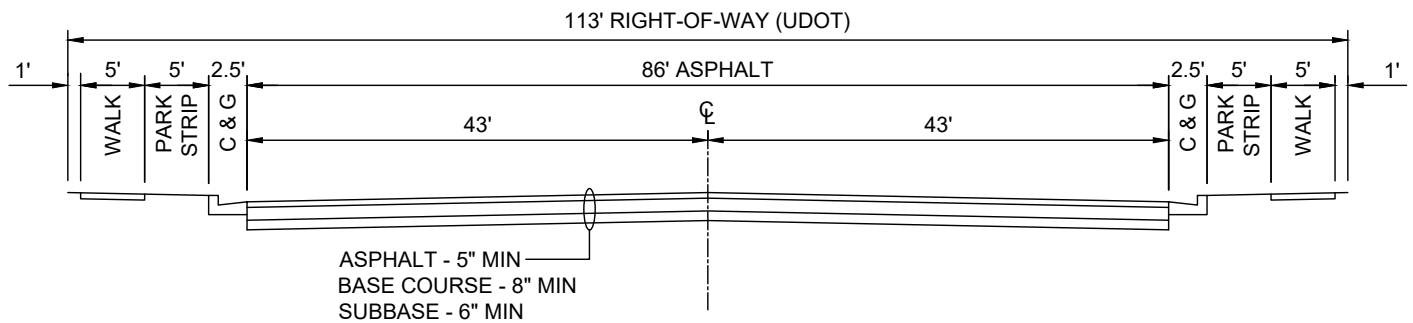
1. PORTABLE TOILETS SHOULD BE MAINTAINED IN GOOD WORKING ORDER BY LICENSED SERVICE WITH DAILY OBSERVATION LEAK DETECTION.
2. REGULAR WASTE COLLECTION SHOULD BE ARRANGED WITH LICENSED SERVICE.
3. ALL WASTE SHOULD BE DEPOSITED IN SANITARY SEWER SYSTEM FOR TREATMENT WITH APPROPRIATE AGENCY APPROVAL.



NOTE: A 5' SIDEWALK ADJACENT TO THE CURB IS ONLY ALLOWED IN HISTORIC AREAS WHERE THE MAJORITY OF THE BLOCK HAS MONOLITHIC CURB AND SIDEWALK. THIS CONFIGURATION REQUIRES APPROVAL OF THE CITY ENGINEER.

NOTES:

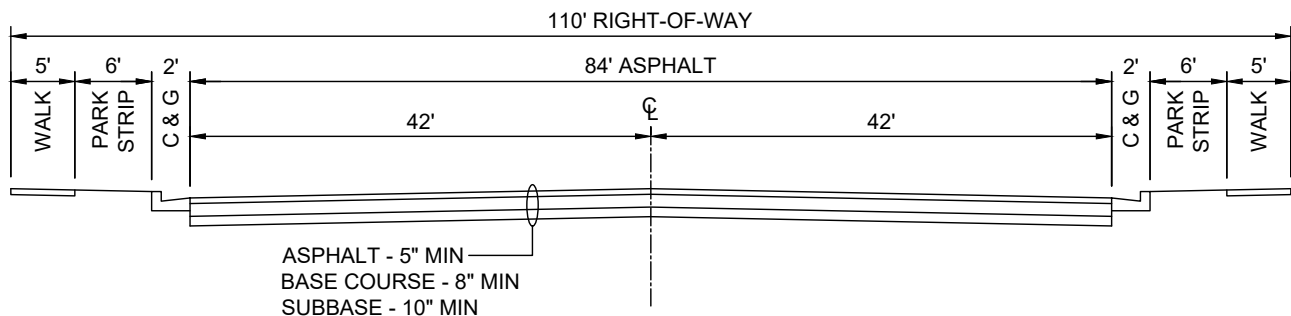
1. THE TYPICAL SECTION IS A 5' SIDEWALK WITH A 6' PARK STRIP. A 5' SIDEWALK ADJACENT TO THE CURB IS ONLY ALLOWED IN HISTORIC AREAS AT THE DISCRETION OF THE CITY ENGINEER.
2. SEE SHEET 4 OF THIS DETAIL FOR STANDARD UTILITY PLACEMENT.
3. **MINIMUM** TOTAL ASPHALT THICKNESS, 3-1/2" OR 5" AT CONSTRUCTION. **ASPHALT SECTION MAY BE THICKER IF REQUIRED BY THE GEOTECHNICAL REPORT.** PAYSON CITY WILL PERFORM THE SLURRY SEAL AFTER 90% OF THE HOMES HAVE BEEN BUILT OR AFTER THE 1-YEAR WARRANTY PERIOD IS OVER. THE COST OF THE SLURRY SEAL IS PAID AT THE TIME OF BONDING.
4. REFER TO THE LATEST REVISION OF THE ADOPTED TRANSPORTATION MASTER PLAN FOR STRIPING WIDTHS OF THE ROADS.
5. SOME ROADS MAY REQUIRE AN ADDITIONAL 5' OF RIGHT-OF-WAY ON ONE SIDE AND A 10' TRAIL IN LIEU OF A 5' SIDEWALK. REFER TO THE PAYSON CITY ACTIVE TRANSPORTATION PLAN FOR LOCATION OF TRAIL ROUTES.



MAIN ST (SR-115)

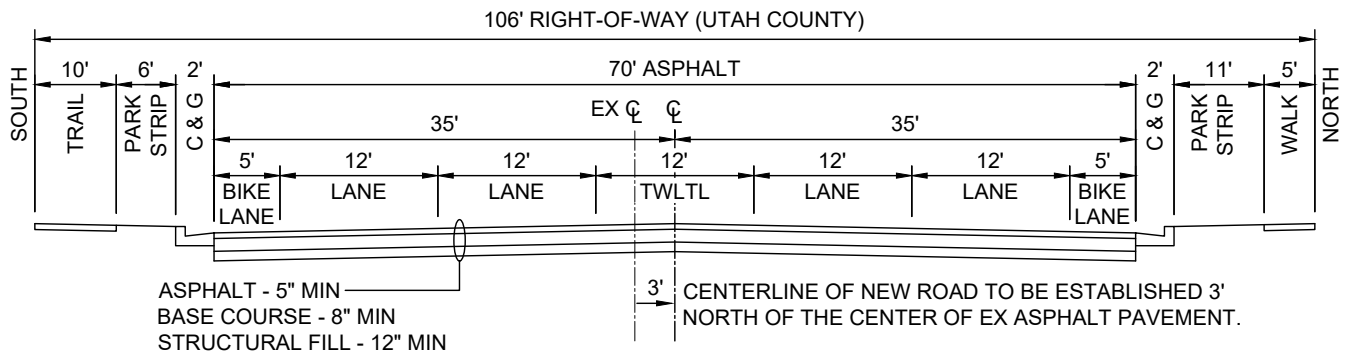
NORTH OF SR-198

NOTE: MAIN ST NORTH OF SR-198, SR-115, IS A UDOT FACILITY. THE CROSS SECTION SHOWN ABOVE IS APPROXIMATE. DEVELOPMENT ALONG THE SR-115 CORRIDOR IS SUBJECT TO UDOT REVIEW AND APPROVAL. DEVELOPER IS RESPONSIBLE FOR VERIFYING THE ACTUAL CROSS SECTION REQUIRED AND OBTAINING ALL REQUIRED PERMITS AND APPROVALS FROM UDOT. APPROVAL FROM UDOT MUST BE SUBMITTED IN WRITING TO PAYSON CITY PRIOR TO PRE-CONSTRUCTION MEETING.



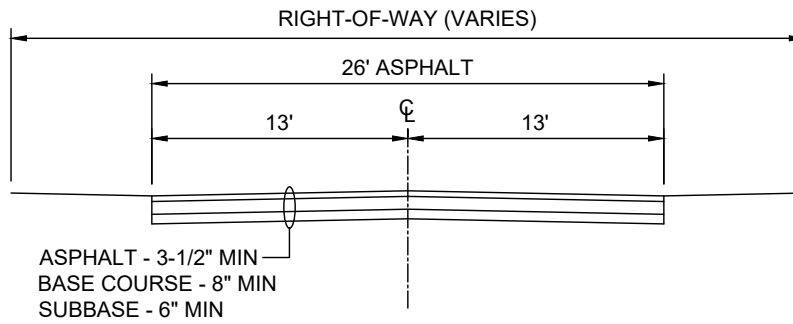
ARROWHEAD TRAIL

NOTE: 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. SEE WCG FIGURE #2 IN PAYSON CITY DEVELOPMENT GUIDELINES FOR ARROWHEAD TRAIL RIGHT-OF-WAY TRANSITION AT SALEM CITY BOUNDARY.

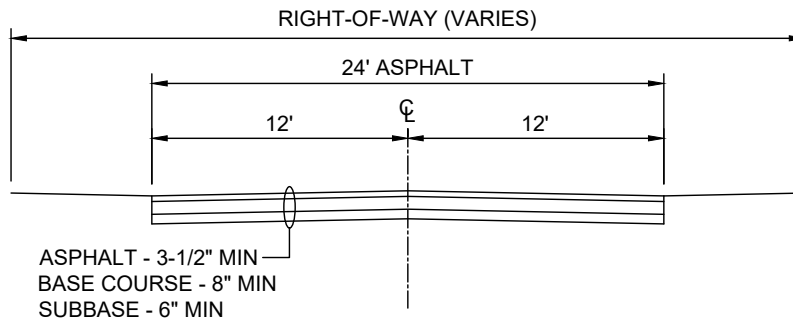


900 NORTH (9600 SOUTH)

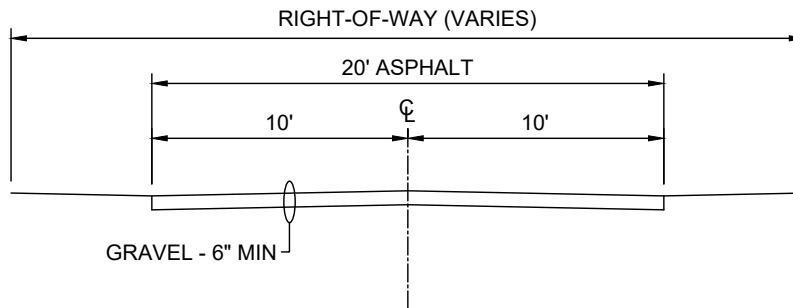
NOTE: 900 NORTH IS A UTAH COUNTY FACILITY WITH COORDINATE 9600 SOUTH. UPON ANNEXATION INTO PAYSON CITY, PROPERTIES ALONG 9600 SOUTH WILL RECEIVE A PAYSON CITY ADDRESS WITH 900 NORTH AS THE STREET. DEVELOPMENT ALONG THE 900 NORTH (9600 SOUTH) CORRIDOR IS SUBJECT TO UTAH COUNTY REVIEW AND APPROVAL. DEVELOPER IS RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS AND APPROVALS FROM UTAH COUNTY. APPROVAL FROM UTAH COUNTY MUST BE SUBMITTED IN WRITING TO PAYSON CITY PRIOR TO PRE-CONSTRUCTION MEETING.



INFILL LOTS



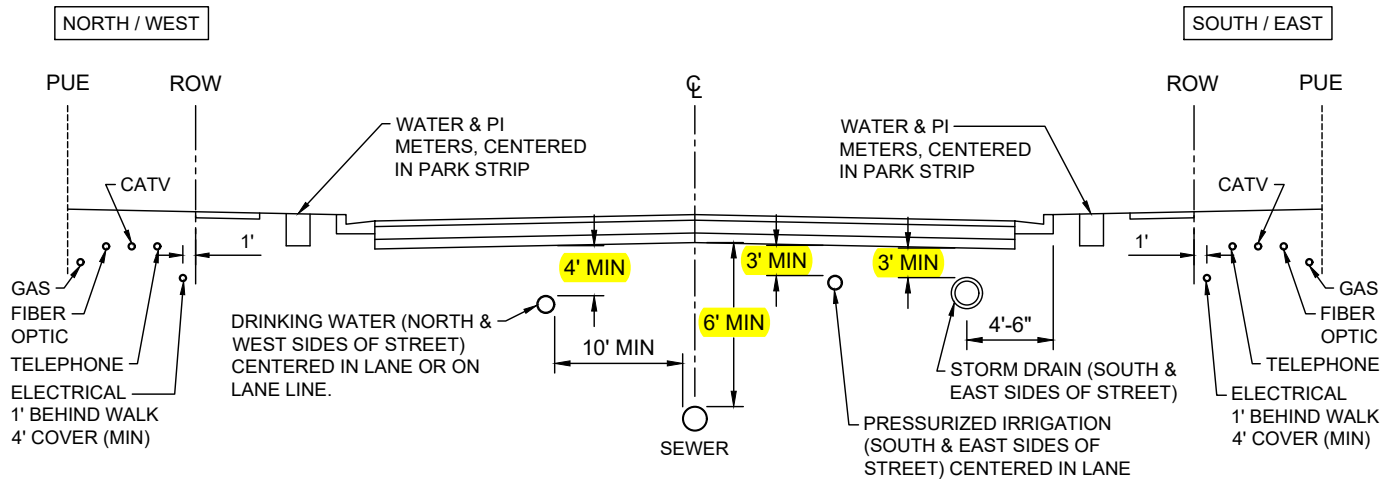
MH ZONES



ZONE A-5-H

NOTES:

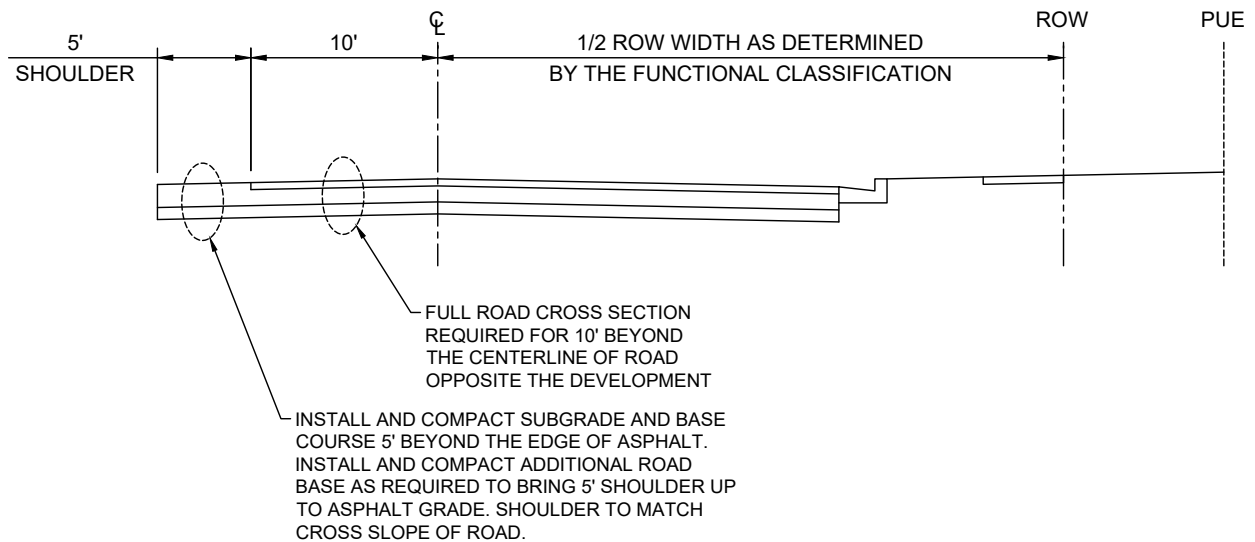
1. THE MH AND A-5-H CROSS SECTIONS ARE ONLY FOR THE USES PERMITTED BY THE ZONE DESIGNATION AND ARE PRIVATE ROADS.
2. OTHER PRIVATE ROADS ARE ONLY ALLOWED FOR INFILL DEVELOPMENT OR PARCELS WITH PHYSICAL BARRIERS AND ARE NOT ALLOWED FOR ALL OTHER GREEN FIELD DEVELOPMENT.
3. A SUBDIVISION OF 5 ACRES OR MORE IN SIZE DOES NOT QUALIFY FOR PRIVATE ROADS NO MATTER WHAT BARRIERS EXIST.



TYPICAL UTILITY PLACEMENT

NOTES:

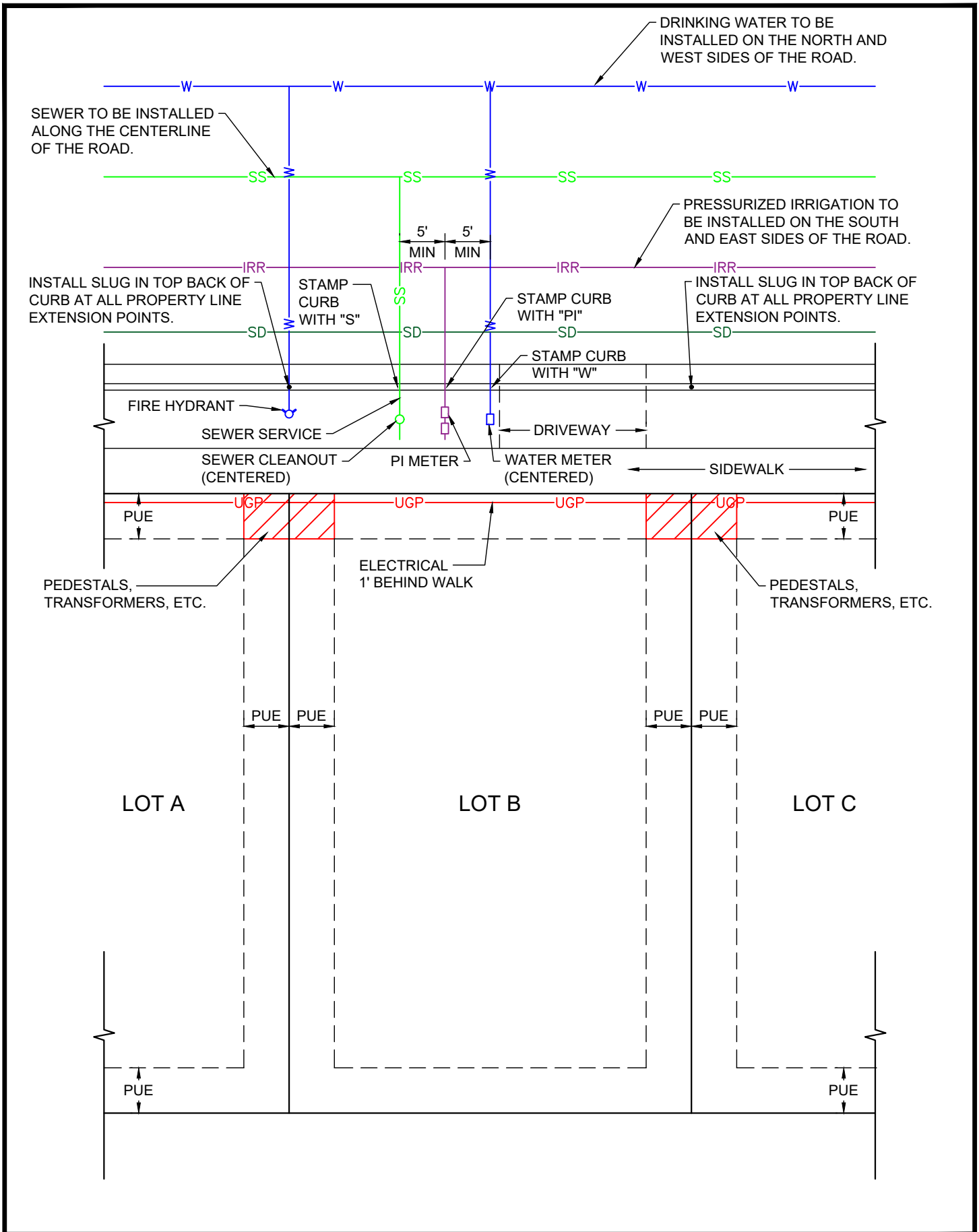
1. LOCATE CULINARY WATER AND PRESSURIZED IRRIGATION METER BOXES IN THE CENTER OF THE PLANTER STRIP. IF THERE IS MONOLITHIC CURB, GUTTER, AND SIDEWALK, INSTALL METER BOXES 3' BEHIND BACK OF WALK.
2. LOCATE ALL ABOVE GROUND APPURTENANCES (i.e. ELECTRICAL TRANSFORMERS AND TELEPHONE PEDESTALS) 1' BEHIND 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 PARK STRIP OR A MINIMUM OF 2' BEHIND BACK OF WALK FOR MONOLITHIC.
5. DRY UTILITIES MAY BE JOINT TRENCHED WITH ELECTRICAL. REFER TO PAYSON CITY POWER STANDARDS AND SPECIFICATIONS.

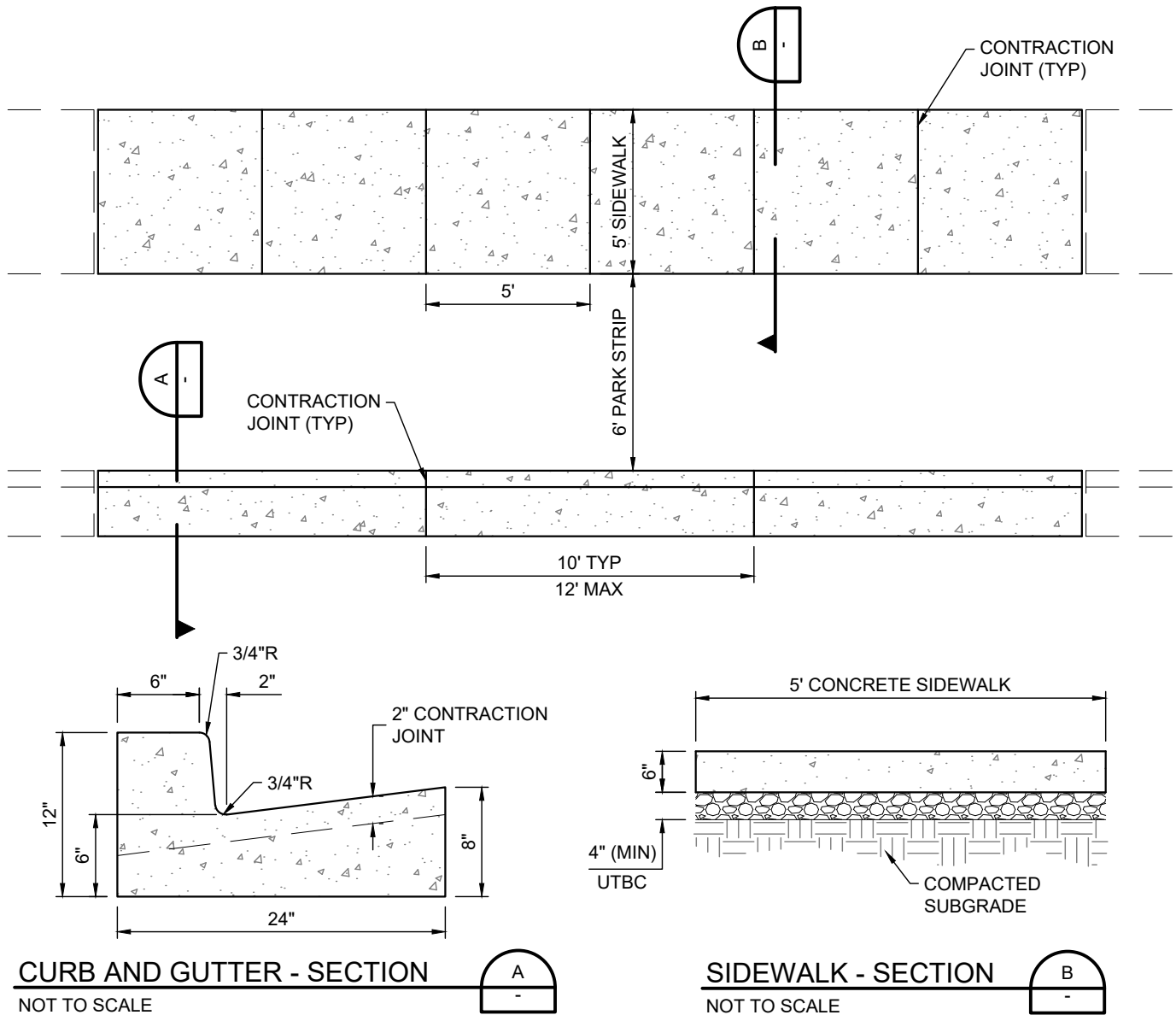


PARTIAL ROAD IMPROVEMENT

NOTES:

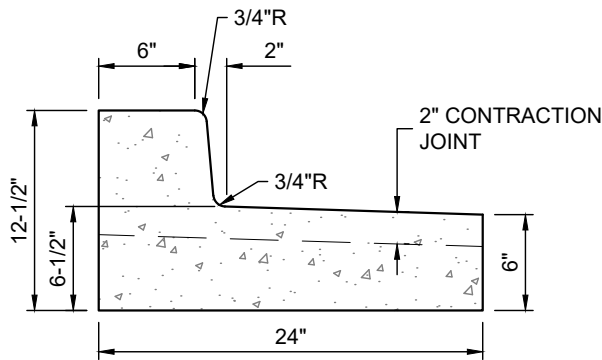
1. THIS SECTION APPLIES TO ALL DEVELOPMENT WHERE A NEW LOCAL OR COLLECTOR ROAD IS REQUIRED PER THE TRANSPORTATION MASTER PLAN AND THE DEVELOPMENT IS OCCURRING ON ONLY ONE SIDE OF THE NEW ROAD.
2. NEW ARTERIAL ROADS REQUIRE HALF WIDTH ONLY.





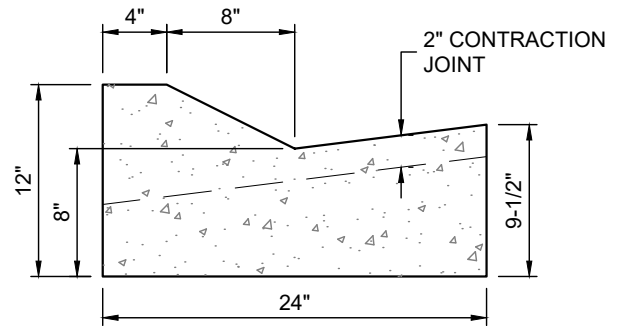
NOTES:

1. UNTREATED BASE COURSE (UTBC)
 - a. MATERIAL PER APWA SECTION 32 11 23. GRAVEL IS NOT ACCEPTABLE AS A BASE COURSE.
 - b. INSTALL PER APWA SECTION 32 05 10. 6" MIN THICKNESS UNDER CURB AND GUTTER, 4" MIN UNDER SIDEWALK.
 - c. COMPACT TO 95% OR GREATER MODIFIED PROCTOR DENSITY PER APWA SECTION 31 23 26.
2. CONCRETE
 - a. USE ONLY 4000 PSI (MIN) CONCRETE FROM A UTAH STATE APPROVED BATCH PLANT. SUBMIT BATCH TICKET WITH INSTALLATION. SMALL BATCH CONCRETE OR CONCRETE FROM ANY SOURCE OTHER THAN A UTAH STATE APPROVED BATCH PLANT IS NOT ACCEPTABLE AND WILL BE REMOVED AND REPLACED AT THE CONTRACTOR'S EXPENSE.
 - b. INSTALL CONCRETE PER APWA SECTION 03 30 10.
 - c. CONTRACTION JOINTS TO BE VERTICAL, 1/8" WIDE, 2" DEEP.
 - d. INSTALL 1/2" THICK TYPE F1 FULL DEPTH EXPANSION JOINT PER APWA SECTION 32 13 73 WHERE REQUIRED.
 - e. PROVIDE 1/2" RADIUS EDGES UNLESS NOTED OTHERWISE.
 - f. BROOM FINISH AND APPLY CURING AGENT.
3. CONCRETE CURING AGENT TO BE CLEAR MEMBRANE FORMING COMPOUND WITH FUGITIVE DYE (TYPE ID CLASS A) PER APWA SECTION 03 39 00.



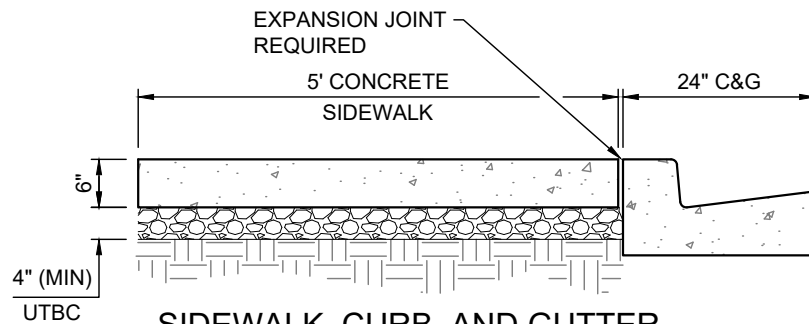
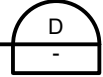
RELEASE CURB AND GUTTER

SECTION - NOT TO SCALE



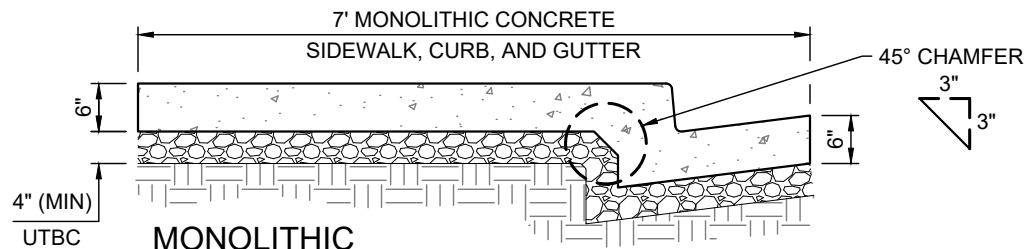
MOUNTABLE CURB AND GUTTER

SECTION - NOT TO SCALE



SIDEWALK, CURB, AND GUTTER NO PARK STRIP

SECTION - NOT TO SCALE



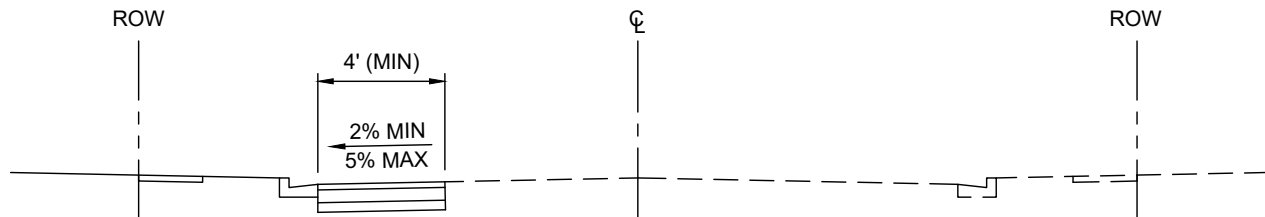
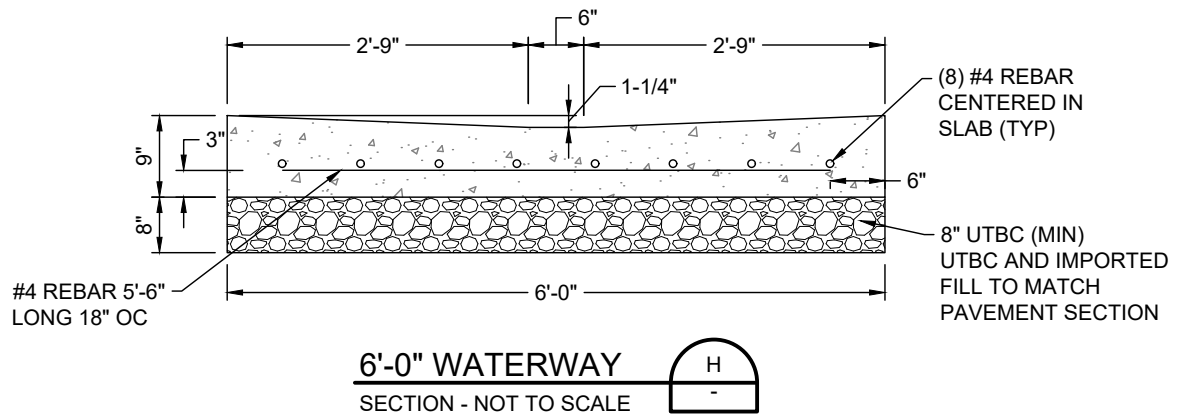
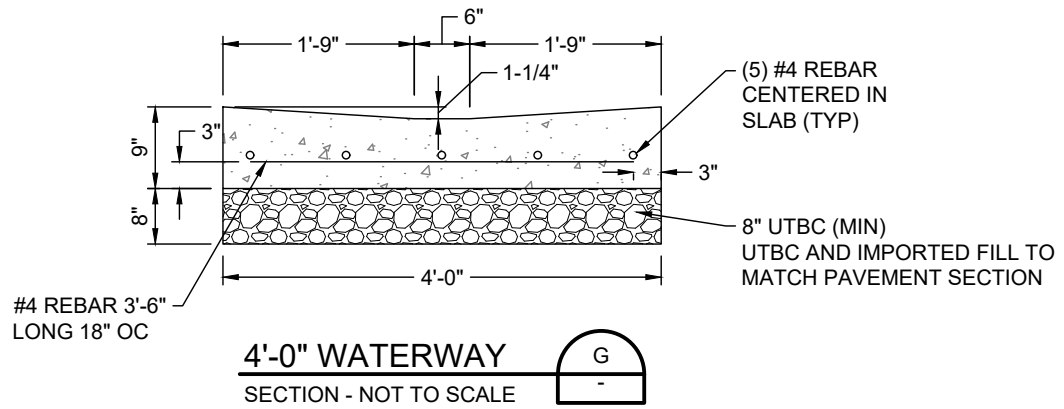
MONOLITHIC SIDEWALK, CURB, AND GUTTER

SECTION - NOT TO SCALE



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 - c. COMPACT TO 95% OR GREATER MODIFIED PROCTOR DENSITY PER APWA SECTION 31 23 26.
2. CONCRETE
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 - f. BROOM FINISH AND APPLY CURING AGENT.
3. CONCRETE CURING AGENT TO BE CLEAR MEMBRANE FORMING COMPOUND WITH FUGITIVE DYE (TYPE ID CLASS A) PER APWA SECTION 03 39 00.



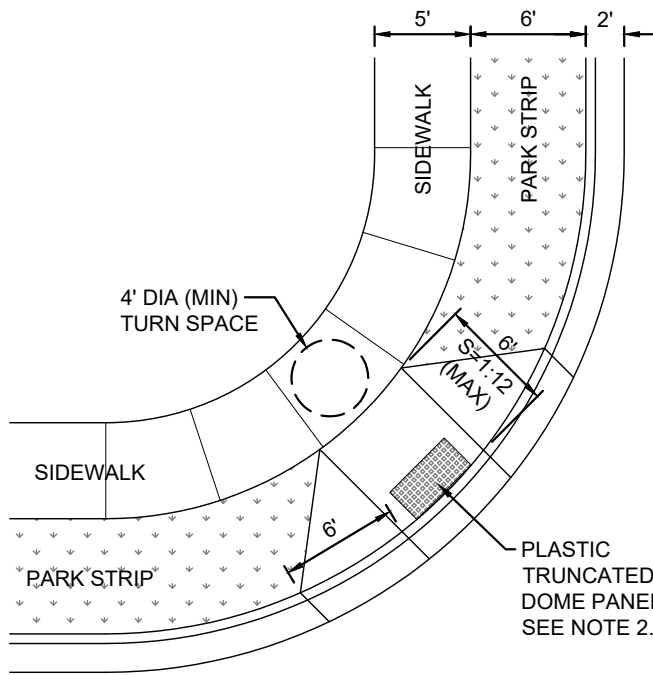
SIDEWALK, CURB, AND GUTTER INSTALLATION ALONG EXISTING ROAD

SECTION - NOT TO SCALE



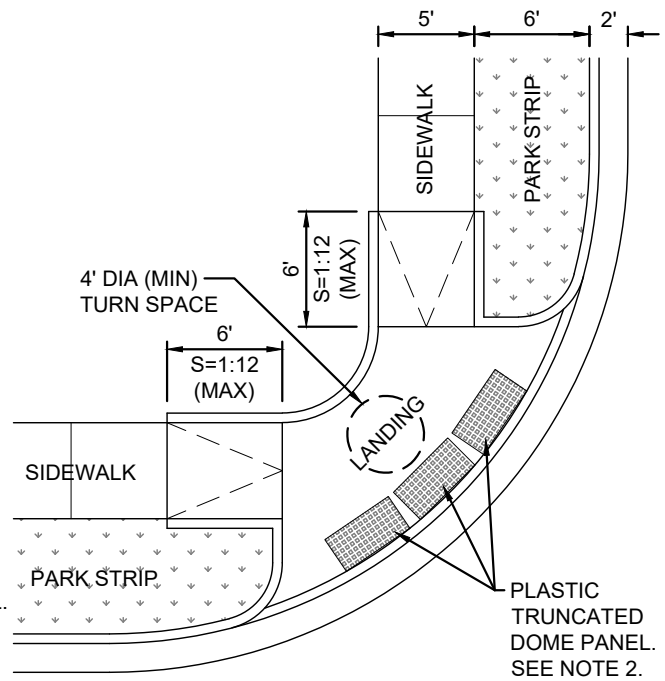
NOTES:

1. 4' (MIN) ASPHALT REMOVAL AND REPLACEMENT REQUIRED WHEN INSTALLING NEW CURB AND GUTTER ALONG AN EXISTING PAVED ROAD.
2. 4' (MIN) REMOVAL MEASURED FROM LIP OF NEW GUTTER.
3. SLOPE OF NEW ASPHALT PAVEMENT MUST BE 2% (MIN), 5% (MAX).
4. ADDITIONAL ASPHALT REMOVAL MAY BE REQUIRED TO OBTAIN DESIRED SLOPE.
5. COST OF ASPHALT REMOVAL AND REPLACEMENT IS THE RESPONSIBILITY OF THE DEVELOPER AND/OR CONTRACTOR.
6. ROAD SECTION OF NEW ASPHALT TO MEET PAYSON CITY SPECIFICATIONS BASED ON THE FUNCTIONAL CLASSIFICATION OF THE ROAD CORRIDOR.



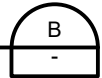
CORNER RAMP - LANDING
AT SIDEWALK LEVEL

NOT TO SCALE



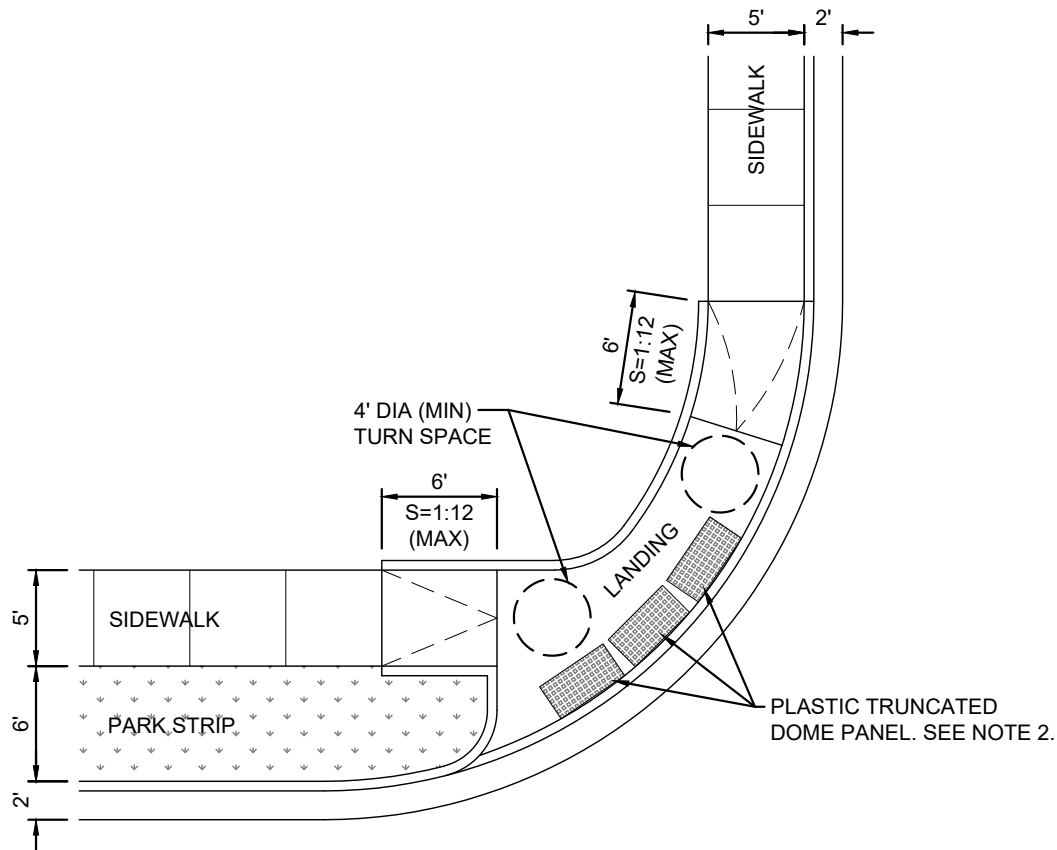
CORNER RAMP - LANDING
AT STREET LEVEL

NOT TO SCALE



NOTES:

1. INSTALL TRUNCATED DOME PANELS ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.
2. TRUNCATED DOME PANEL TO BE RED OR YELLOW IN COLOR. COLOR TO MATCH THE OTHER RAMPS IN THE IMMEDIATE VICINITY.
3. 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.
4. THE SLOPE OF THE FLOWLINE OF GUTTER THROUGH A PEDESTRIAN RAMP MUST BE 2.0% OR LESS OR APPROVED BY THE CITY ENGINEER.
5. DRAW AND CLEARLY LABEL CURB AND GUTTER SLOPE AND RAMP LENGTHS ON ALL PLANS.
6. MAXIMUM SLOPE OF RAMPS OS 1:12 (H:V).
7. STANDARD PEDESTRIAN RAMPS HAVE BEEN DESIGNED FOR NEW CONSTRUCTION. REPLACEMENT OF EXISTING PEDESTRIAN RAMPS MUST BE DESIGNED AND STAMPED BY A PROFESSIONAL ENGINEER AND APPROVED BY THE CITY ENGINEER OR HIS/HER DESIGNEE.
8. 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.

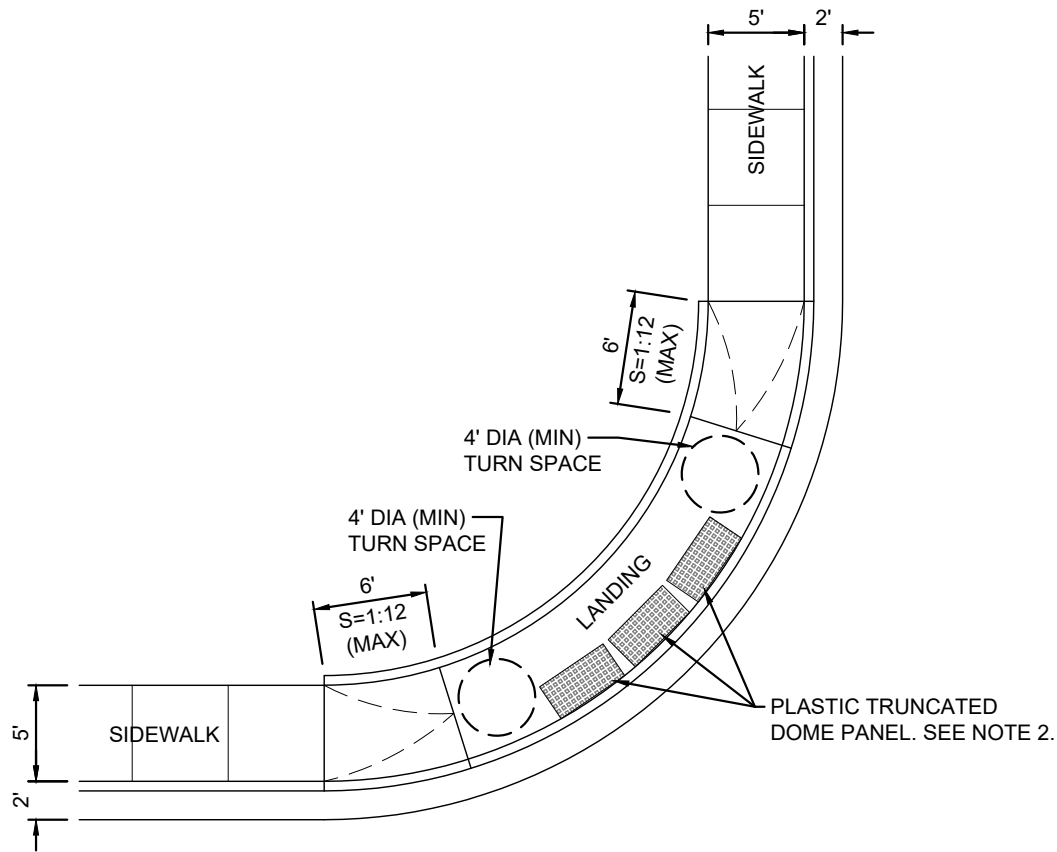


**CORNER RAMP - LANDING
AT STREET LEVEL**
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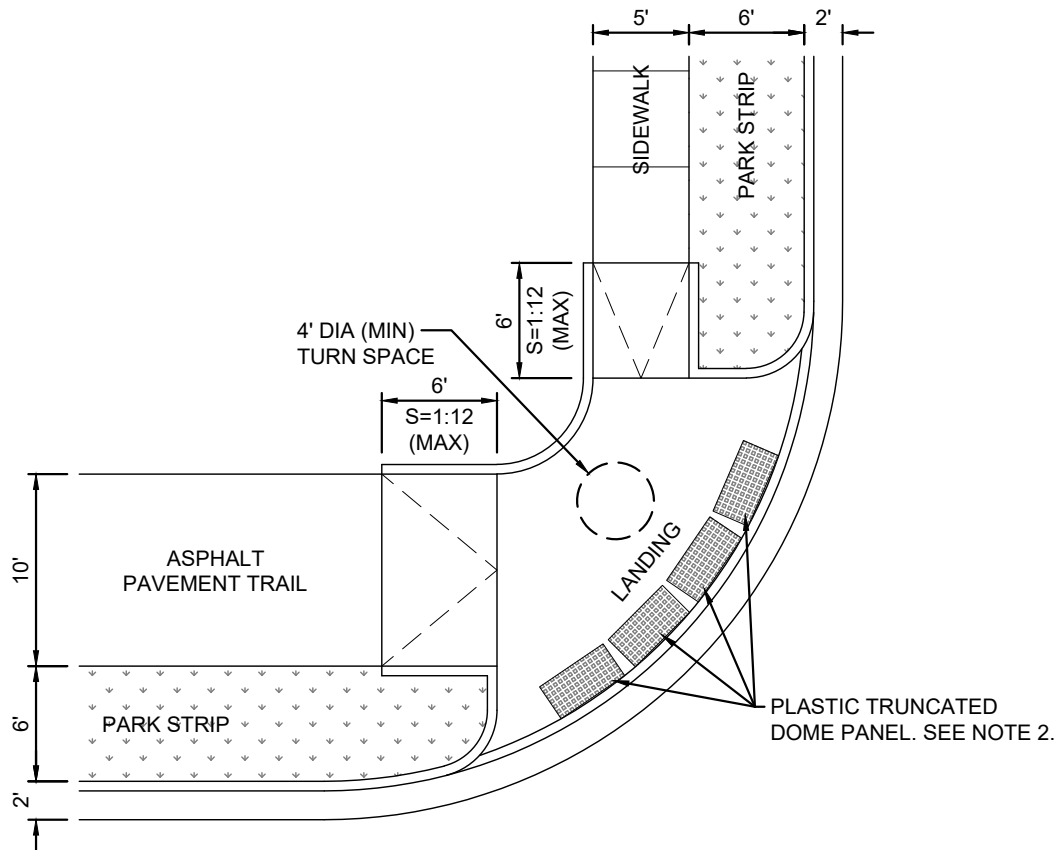
CORNER RAMP - LANDING AT STREET LEVEL

NOT TO SCALE



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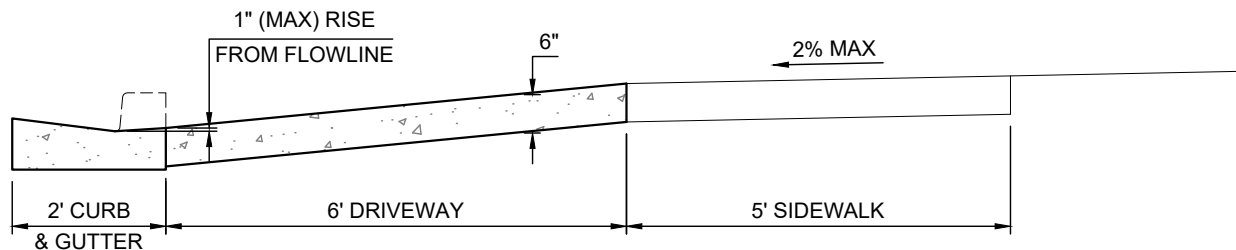
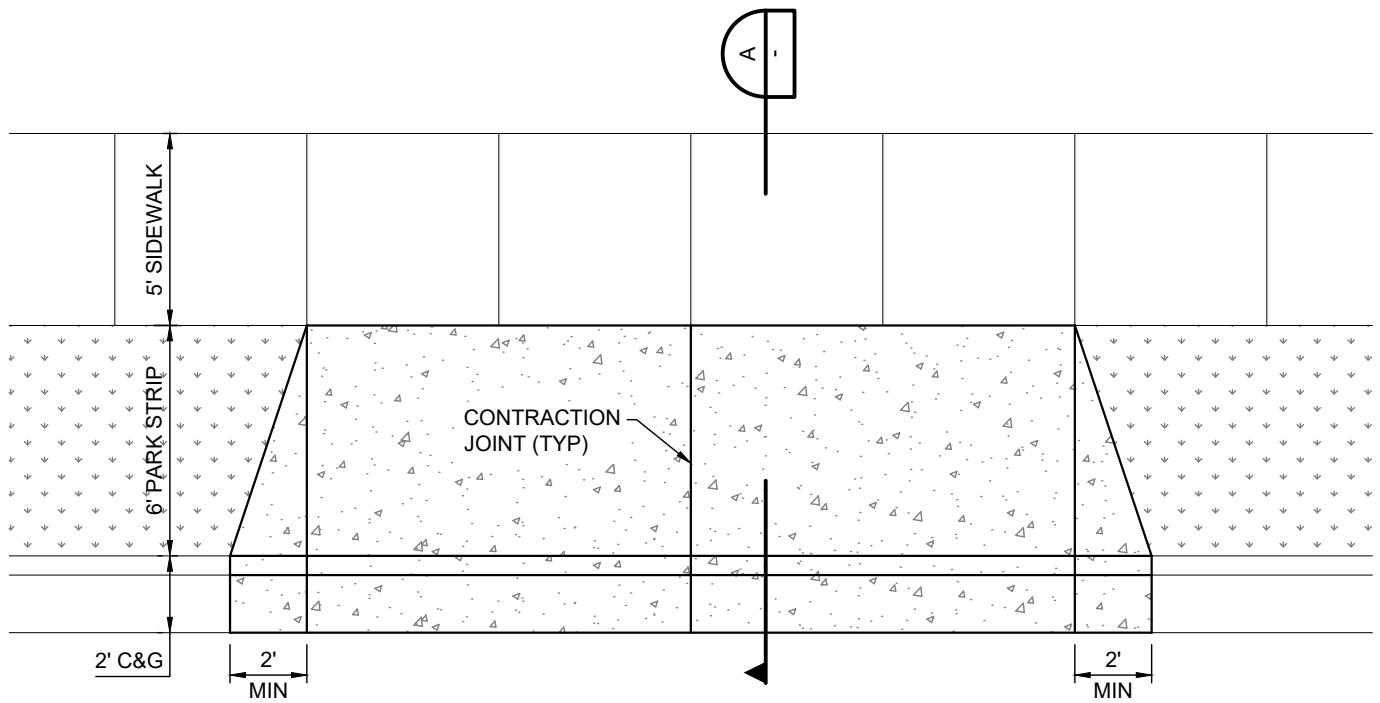


**CORNER RAMP - LANDING
AT STREET LEVEL**
NOT TO SCALE



NOTES:

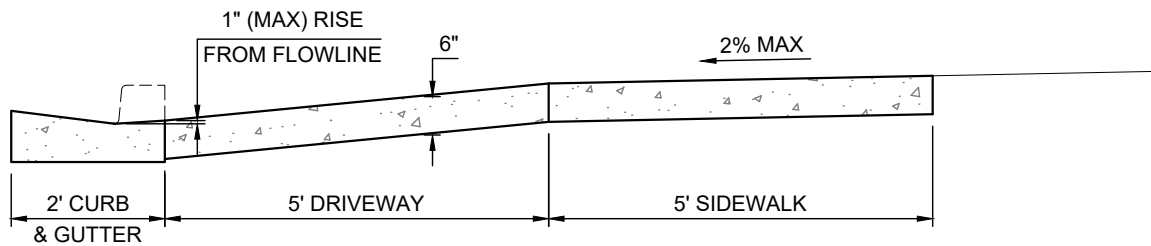
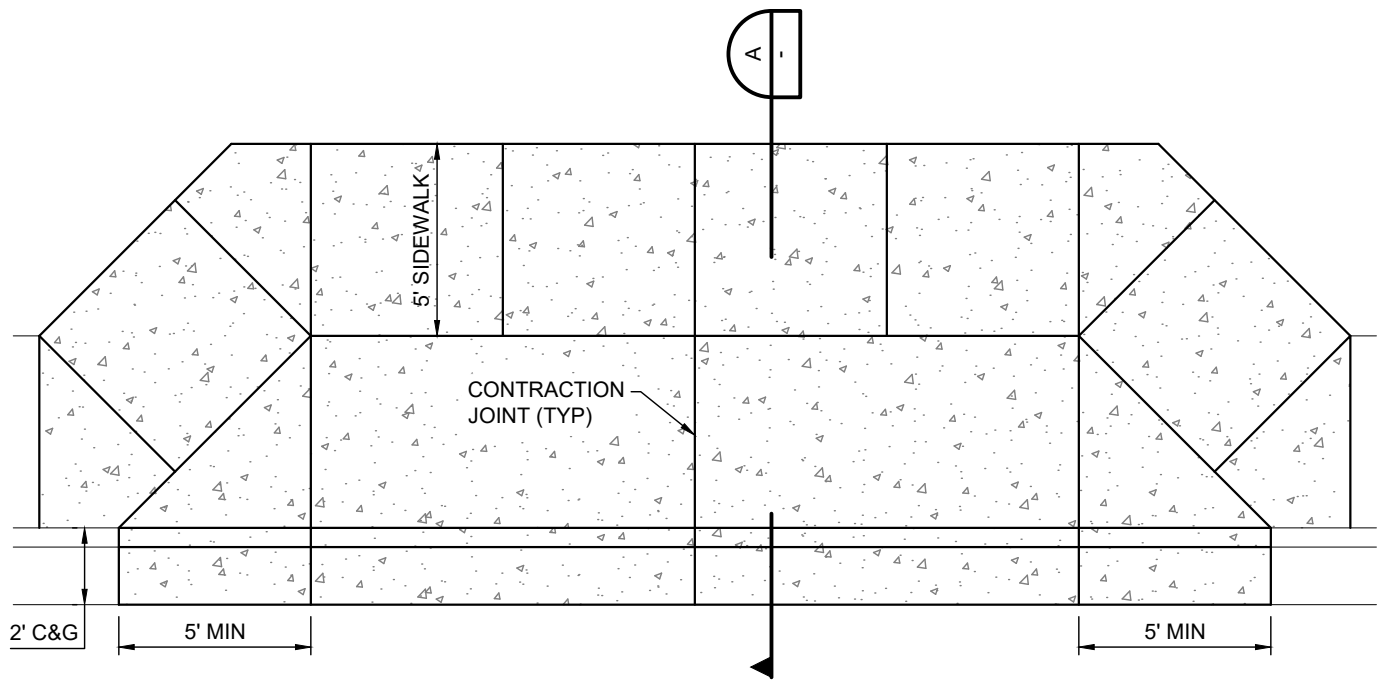
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DRIVEWAY - SECTION
NOT TO SCALE

NOTES:

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 - b. INSTALL PER APWA SECTION 32 05 10. 6" MIN THICKNESS.
 - c. COMPACT TO 95% OR GREATER MODIFIED PROCTOR DENSITY PER APWA SECTION 31 23 26.
2. CONCRETE
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 - e. PROVIDE 1/2" RADIUS EDGES UNLESS NOTED OTHERWISE.
 - f. BROOM FINISH AND APPLY CURING AGENT.
3. CONCRETE CURING AGENT TO BE CLEAR MEMBRANE FORMING COMPOUND WITH FUGITIVE DYE (TYPE ID CLASS A) PER APWA SECTION 03 39 00.



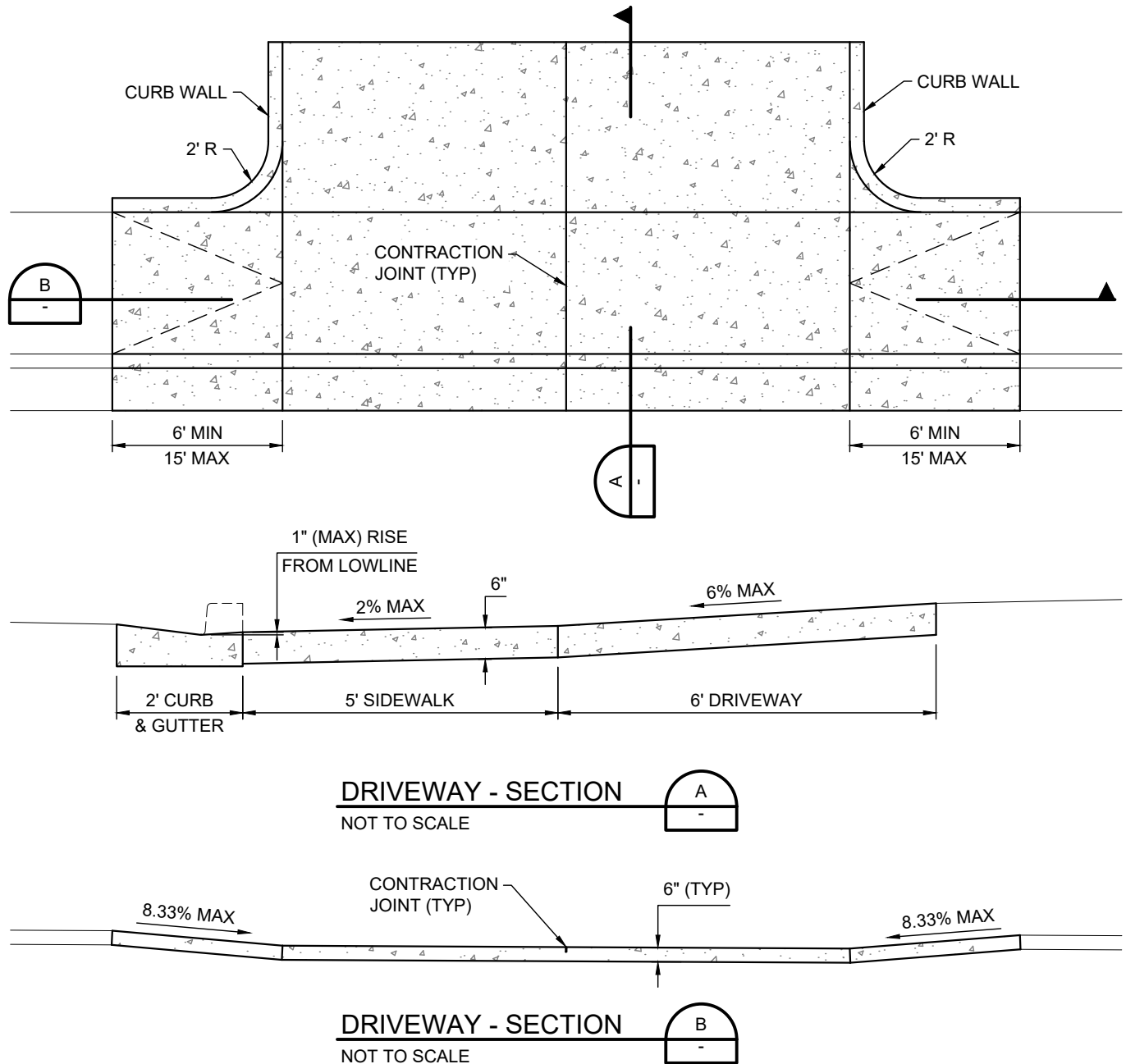
DRIVEWAY - SECTION

NOT TO SCALE



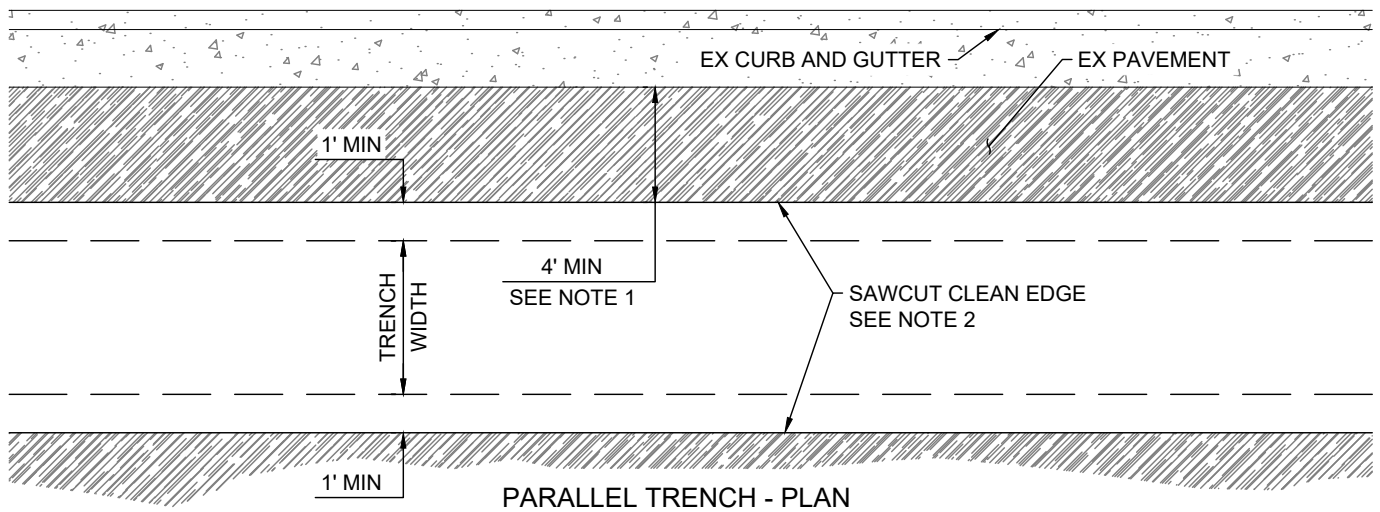
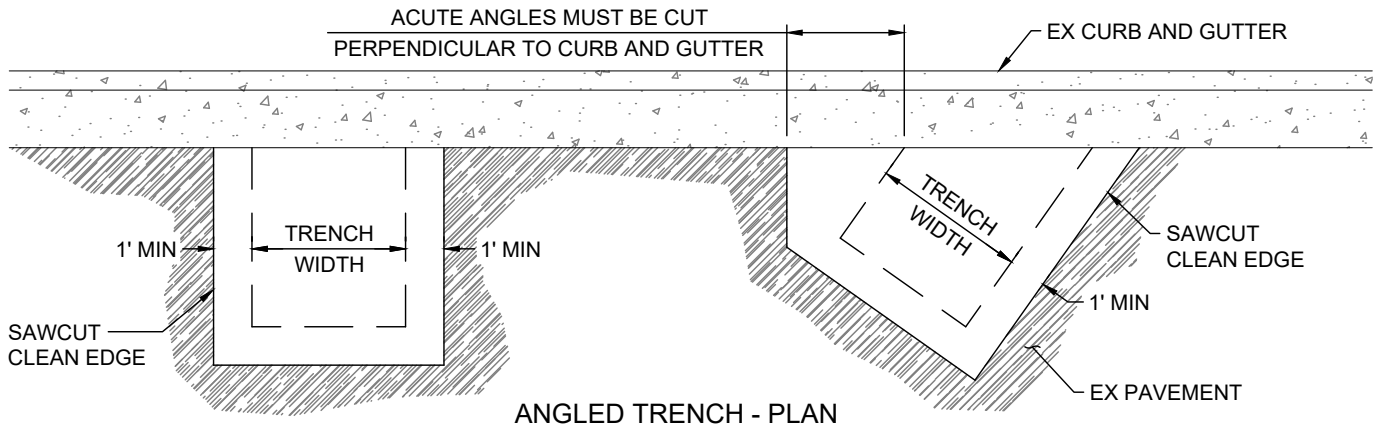
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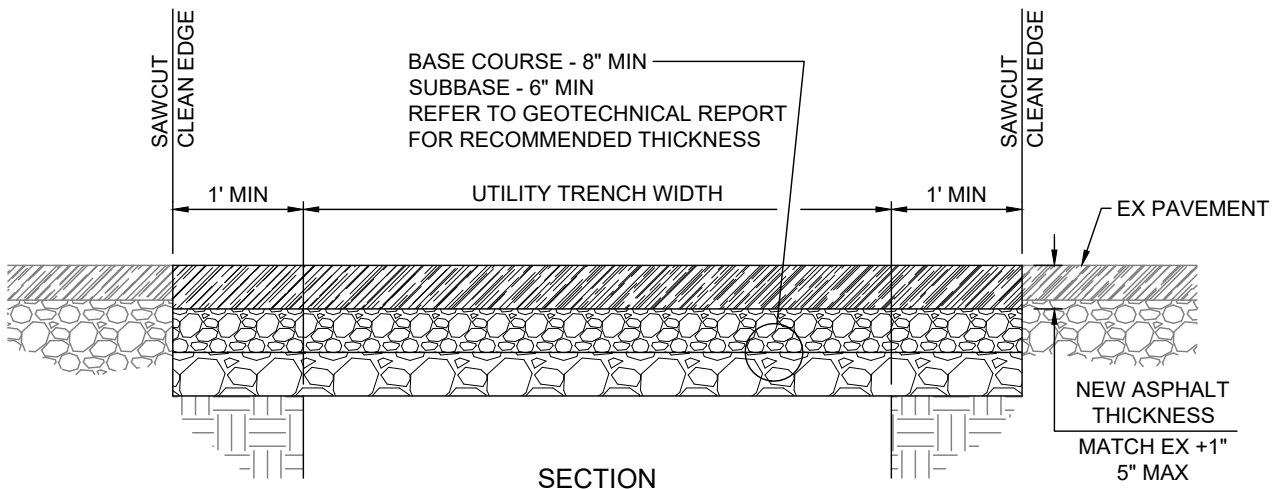
NOTES:

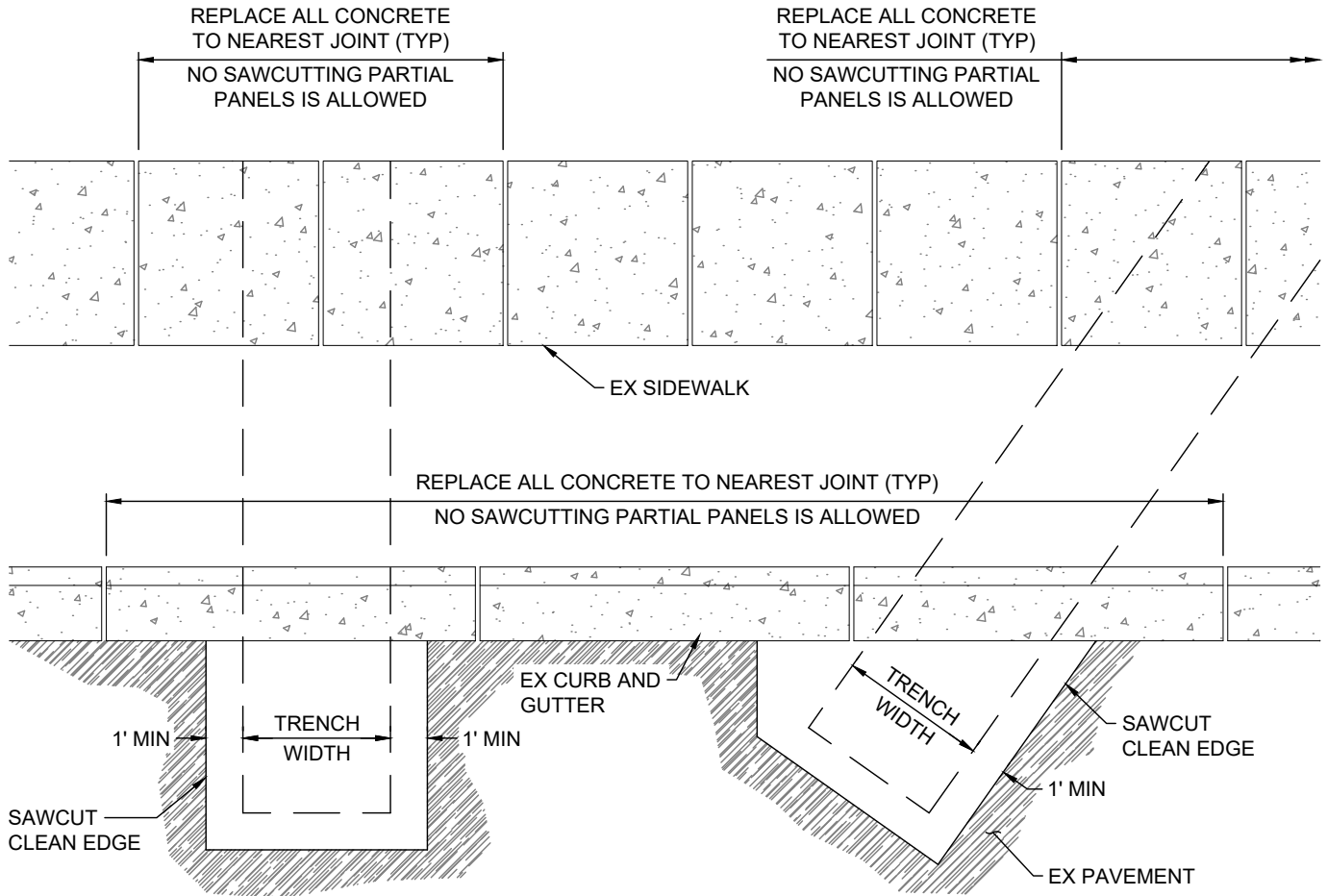
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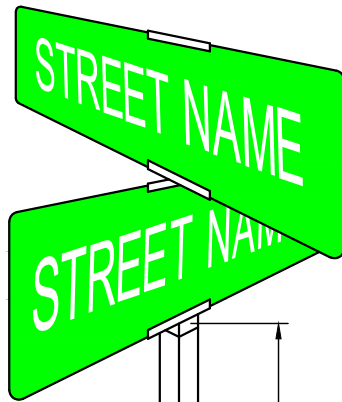
1. IF DISTANCE BETWEEN CLEAN SAWCUT EDGE AND EX GUTTER IS LESS THAN 4', REMOVE AND REPLACE ASPHALT TO LIP OF GUTTER.
2. SAWCUT EDGE MUST NOT BE IN WHEEL PATH. REPLACE TO CENTER OF ROAD, CENTER OF LANE, OR LANE LINE. WHICHEVER IS CLOSEST AND MORE THAN 1' FROM EDGE OF TRENCH.





NOTES:

1. REPLACE ALL DAMAGED CONCRETE TO THE NEAREST JOINT
2. NO SAWCUTTING PARTIAL PANELS IS ALLOWED
3. DAMAGED CONCRETE MUST BE REMOVED AND REPLACED. PATCHING IS NOT PERMITTED WITHOUT WRITTEN APPROVAL FROM THE CITY ENGINEER OR DESIGNEE.
4. ALL SIDEWALK WITHIN THE PAYSON CITY RIGHT-OF-WAY TO BE 6" THICK CONCRETE PAVEMENT.
5. 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

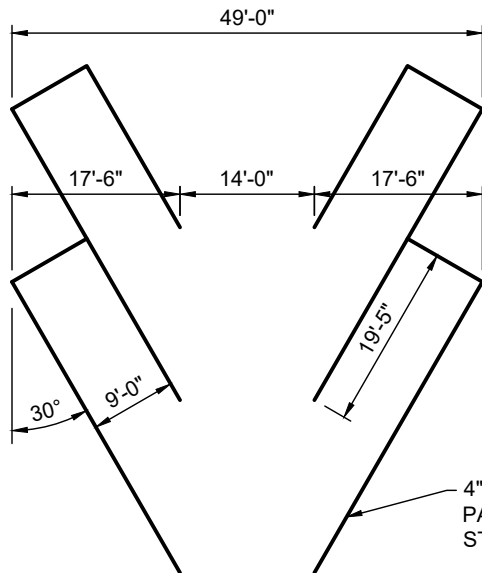
10'-0"

FINISH GRADE

3'-0"

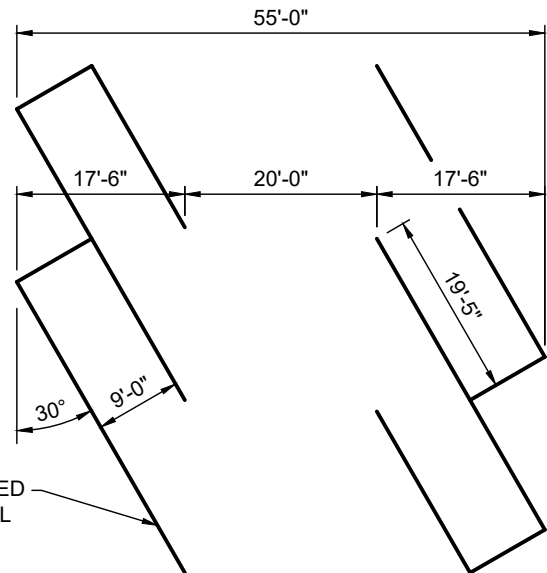
NOTES:

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.



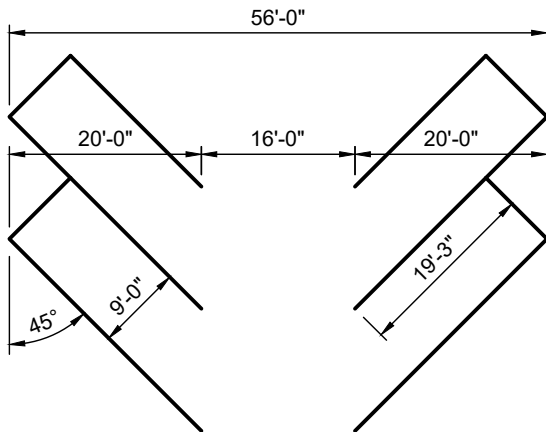
30° PARKING - ONE-WAY

NOT TO SCALE



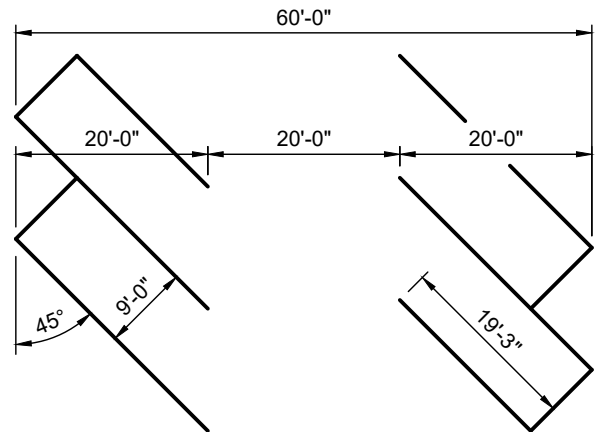
30° PARKING - TWO-WAY

NOT TO SCALE



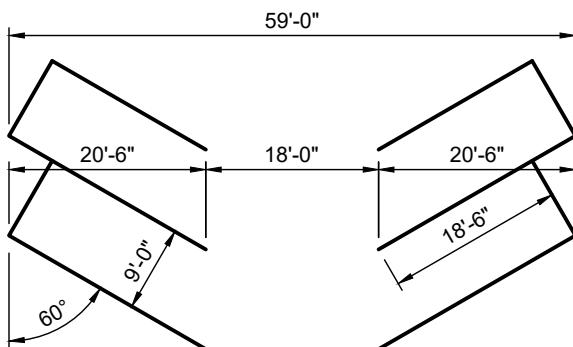
45° PARKING - ONE-WAY

NOT TO SCALE



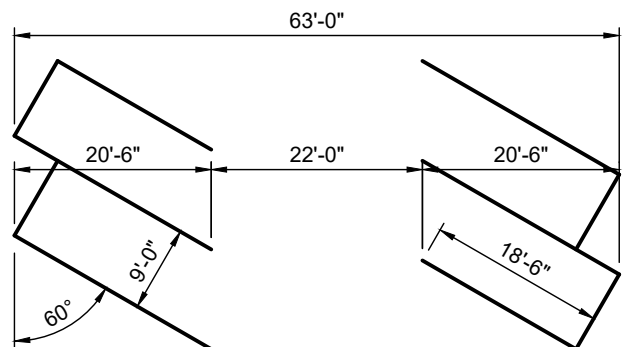
45° PARKING - TWO-WAY

NOT TO SCALE



60° PARKING - ONE-WAY

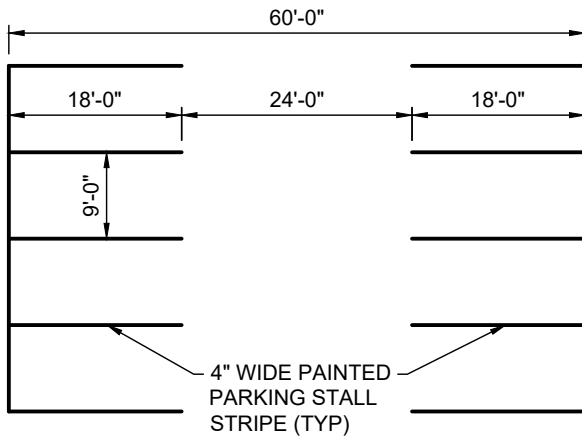
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60° PARKING - TWO-WAY

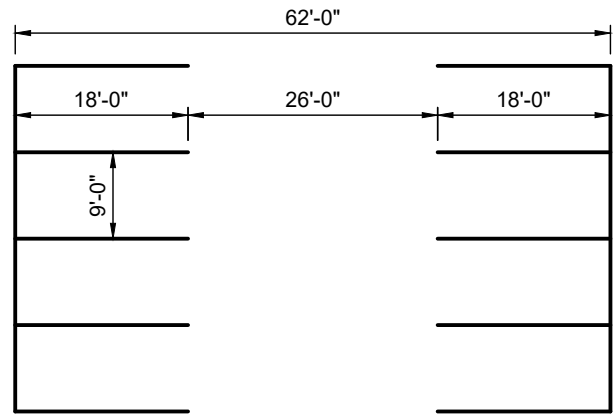
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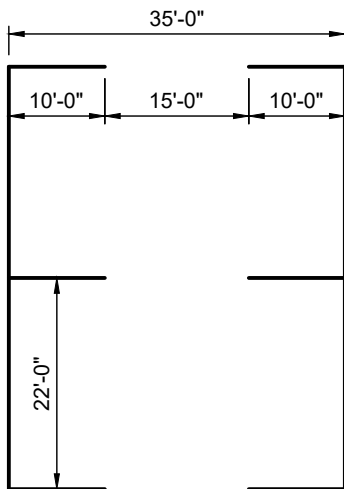
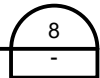
PERPENDICULAR PARKING

NOT TO SCALE



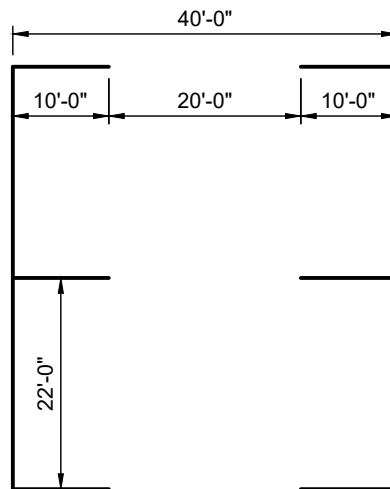
**PERPENDICULAR PARKING
FIRE APPARATUS ACCESSIBLE**

NOT TO SCALE



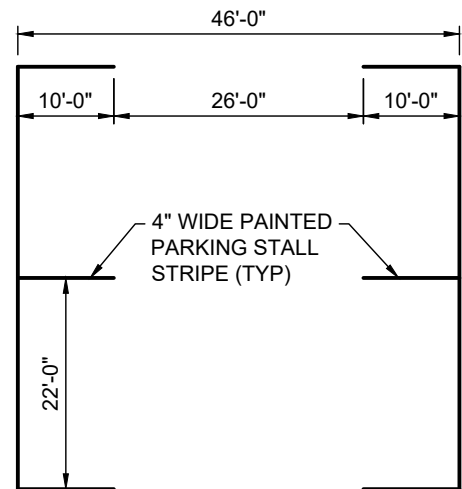
**PARALLEL
PARKING -
ONE-WAY**

NOT TO SCALE



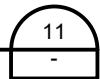
**PARALLEL
PARKING -
TWO-WAY**

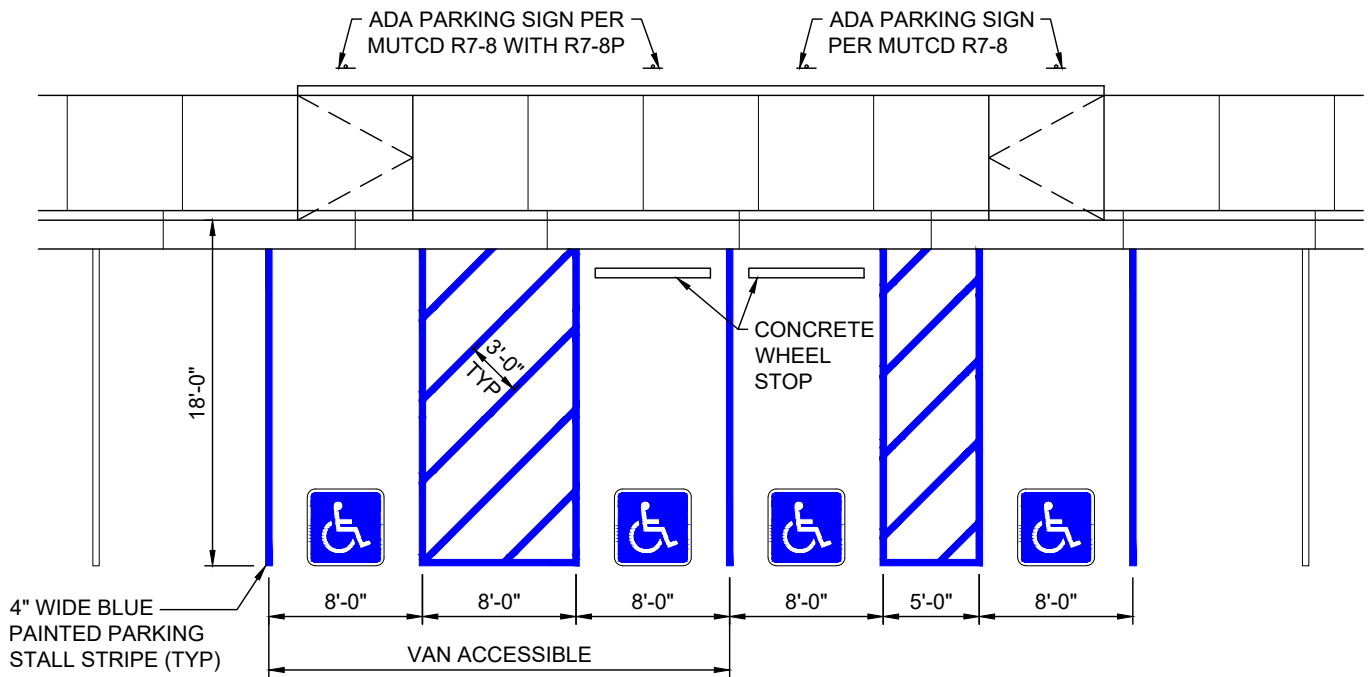
NOT TO SCALE



**PARALLEL PARKING
FIRE APPARATUS
ACCESSIBLE**

NOT TO SCALE





ADA ACCESSIBLE PARKING - PLAN

NOT TO SCALE



12" x 18"
ALUMINUM SIGN
PER MUTCD R7-8

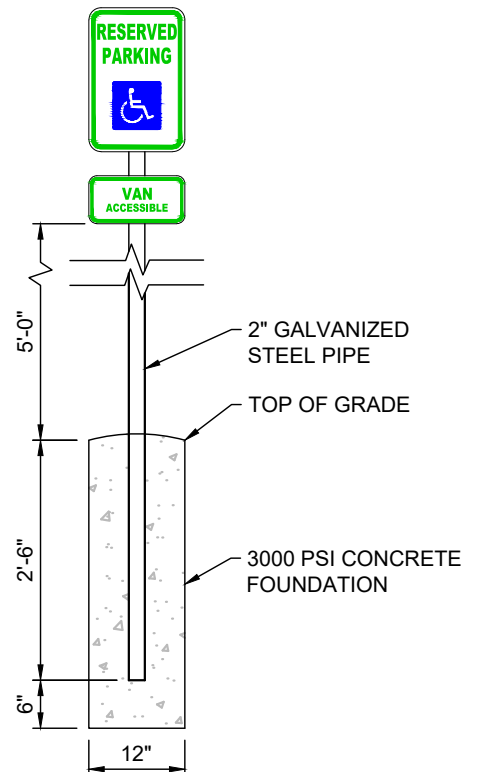


12" x 6"
ALUMINUM SIGN
PER MUTCD R7-8P



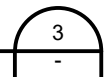
ADA PARKING SIGN

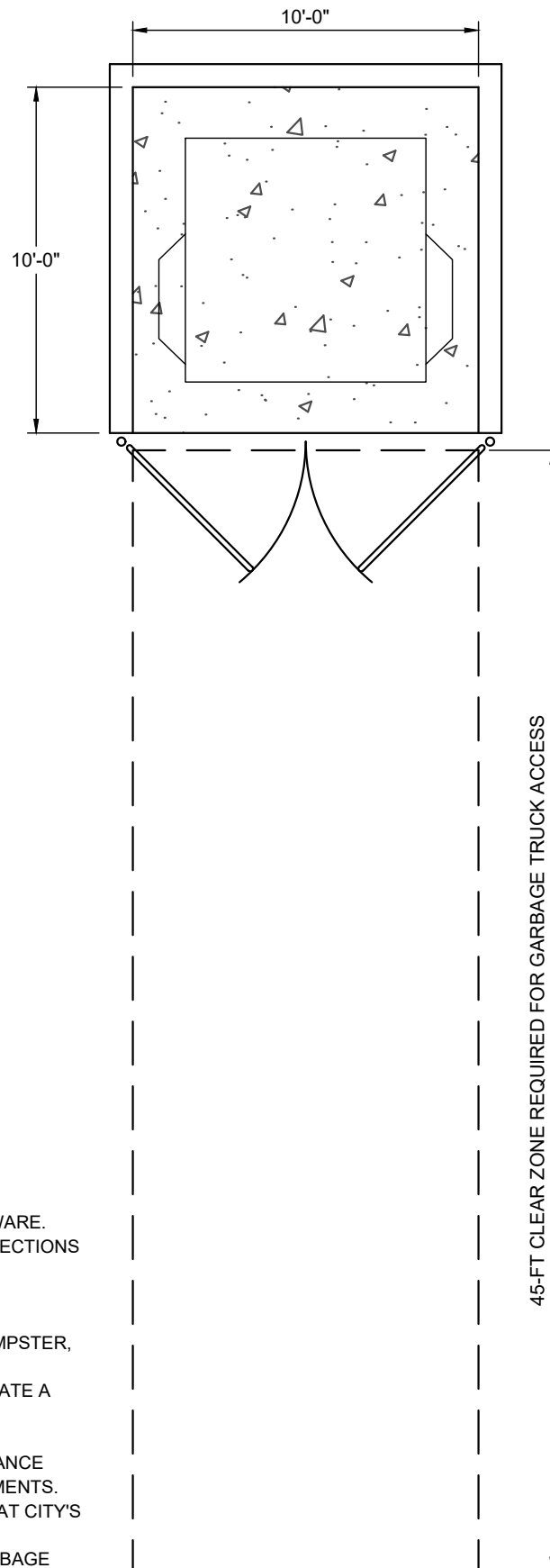
NOT TO SCALE



SIGN POLE AND BASE

NOT TO SCALE

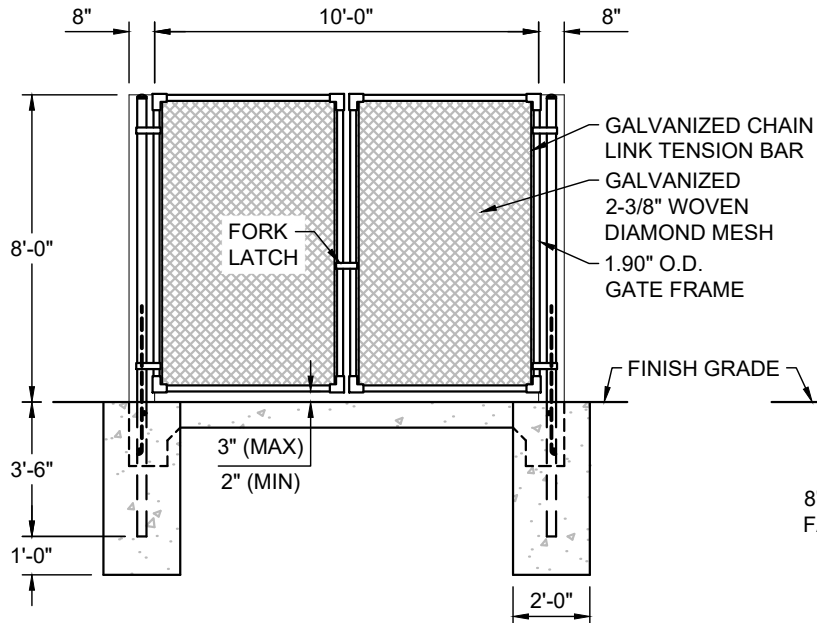




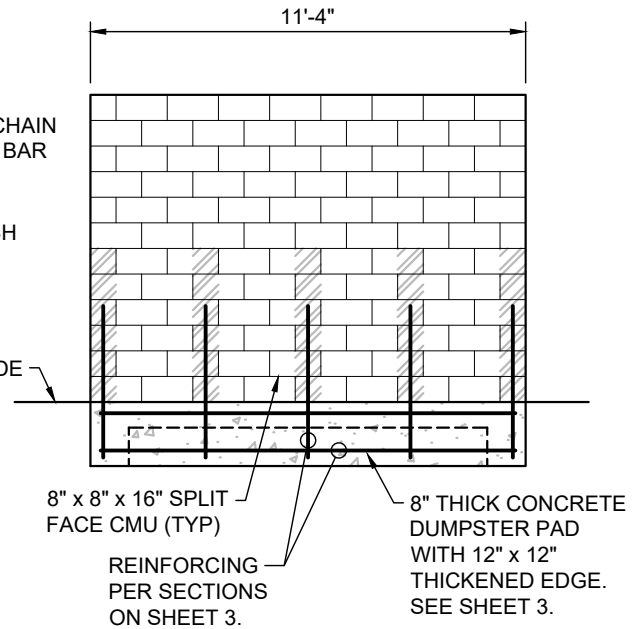
NOTES:

1. SEE SHEET 2 FOR MATERIALS AND HARDWARE.
2. INSTALL 8-IN THICK CONCRETE PAD PER SECTIONS ON SHEET 3.
3. REFER TO DEVELOPMENT GUIDELINES TO DETERMINE REQUIRED DUMPSTER SIZE.
4. ENCLOSURE SHOWN IS FOR A SINGLE DUMPSTER, REGARDLESS OF SIZE.
5. ENCLOSURE MAY BE WIDENED TO FACILITATE A SECOND DUMPSTER.
6. MATERIALS SHOWN ARE A MINIMUM REQUIREMENT. REFER TO ZONING ORDINANCE FOR SPECIFIC ARCHITECTURAL REQUIREMENTS.
7. REQUIRED MATERIALS MAY BE CHANGED AT CITY'S REQUEST.
8. 45-FT CLEAR ZONE IS REQUIRED FOR GARBAGE TRUCK ACCESS.

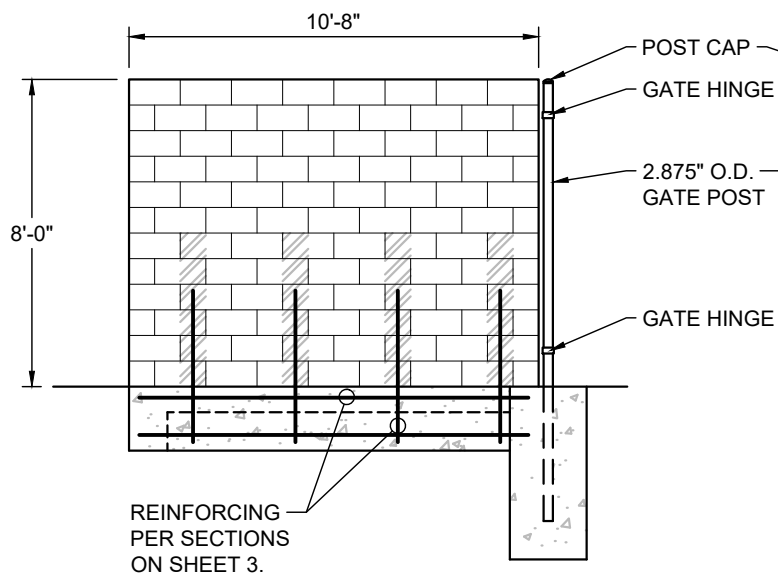
ELEVATION - FRONT



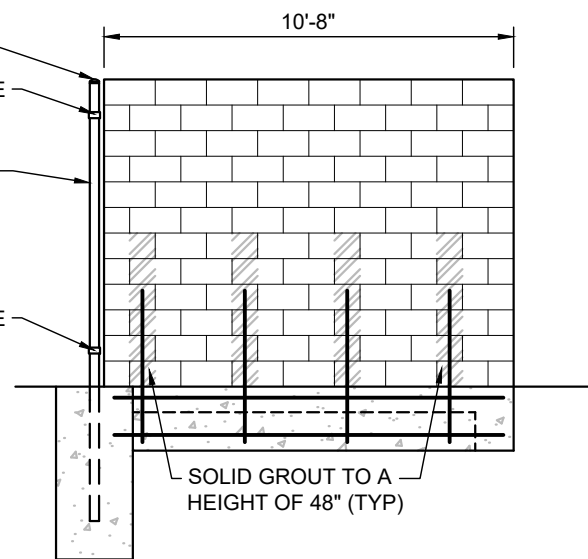
ELEVATION - BACK



ELEVATION - LEFT



ELEVATION - RIGHT

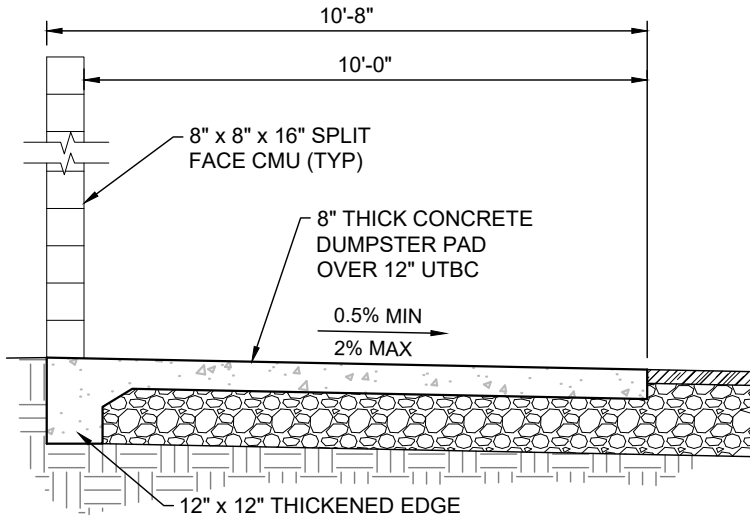


NOTES:

1. ALL GATE POSTS, FRAME, FABRIC, BOLTS, NUTS, WIRE, AND ACCESSORIES TO BE GALVANIZED OR STAINLESS STEEL.

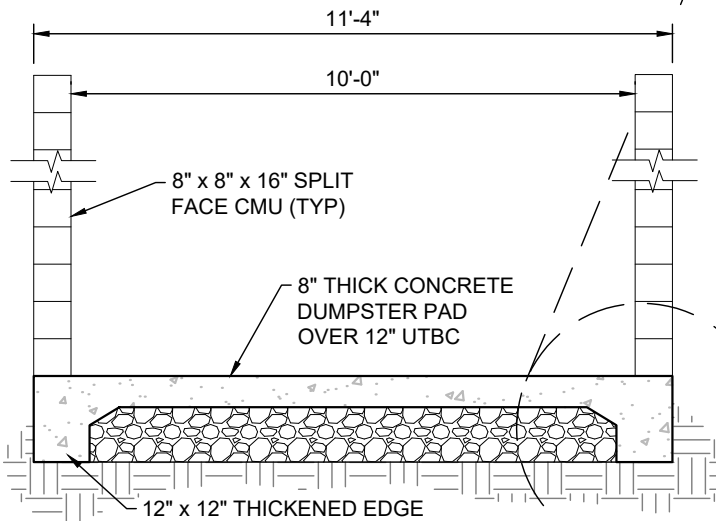
NOTES:

1. UNTREATED BASE COURSE (UTBC) PER APWA SECTION 32 11 23. INSTALL PER APWA SECTION 32 05 10. COMPACT TO 95% OR GREATER MODIFIED PROCTOR DENSITY PER APWA SECTION 31 23 26.
2. INSTALL CONCRETE PAD PER APWA SECTION 03 30 10.
 - a. USE ONLY 4000 PSI (MIN) CONCRETE FROM A UTAH STATE APPROVED BATCH PLANT. SUBMIT BATCH TICKET WITH INSTALLATION. SMALL BATCH CONCRETE OR CONCRETE FROM ANY SOURCE OTHER THAN A UTAH STATE APPROVED BATCH PLANT IS NOT ACCEPTABLE AND WILL BE REMOVED AND REPLACED AT THE CONTRACTOR'S EXPENSE.
3. REBAR TO BE GALVANIZED OR EPOXY COATED, DEFORMED, 60 KSI YIELD GRADE STEEL PER ASTM A615.



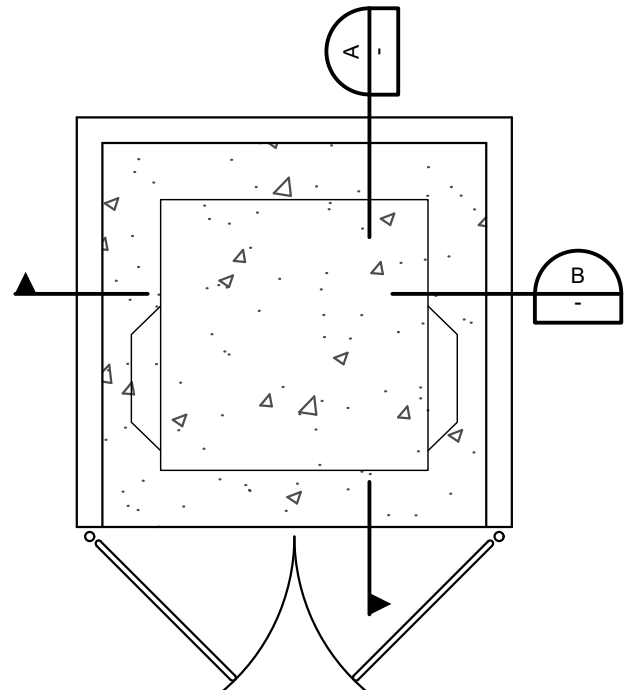
SECTION

NOT TO SCALE

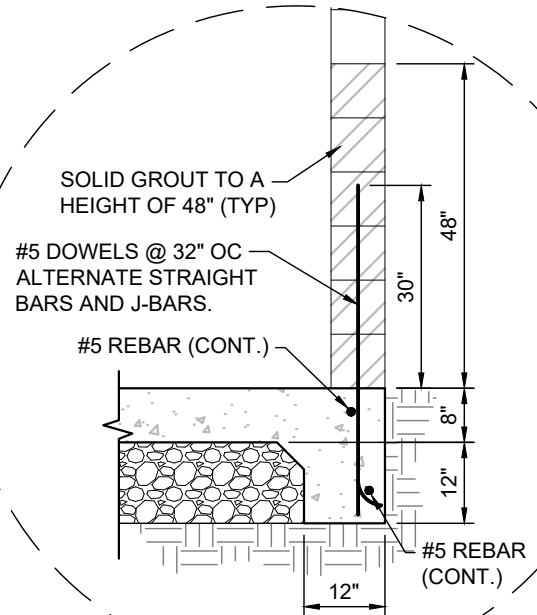


SECTION

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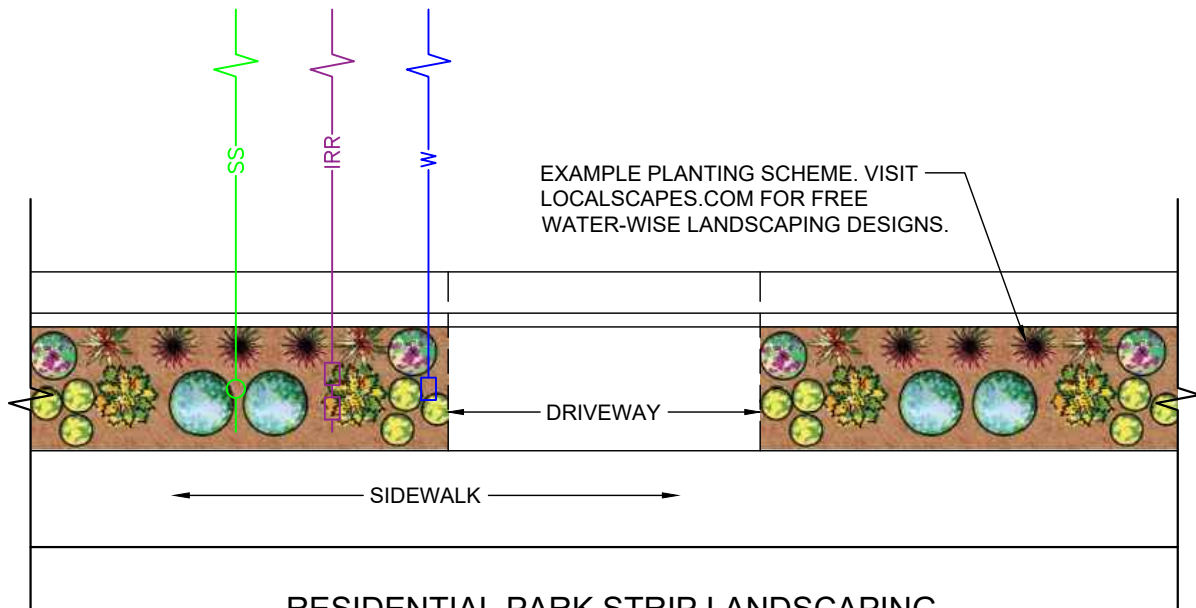


PLAN VIEW



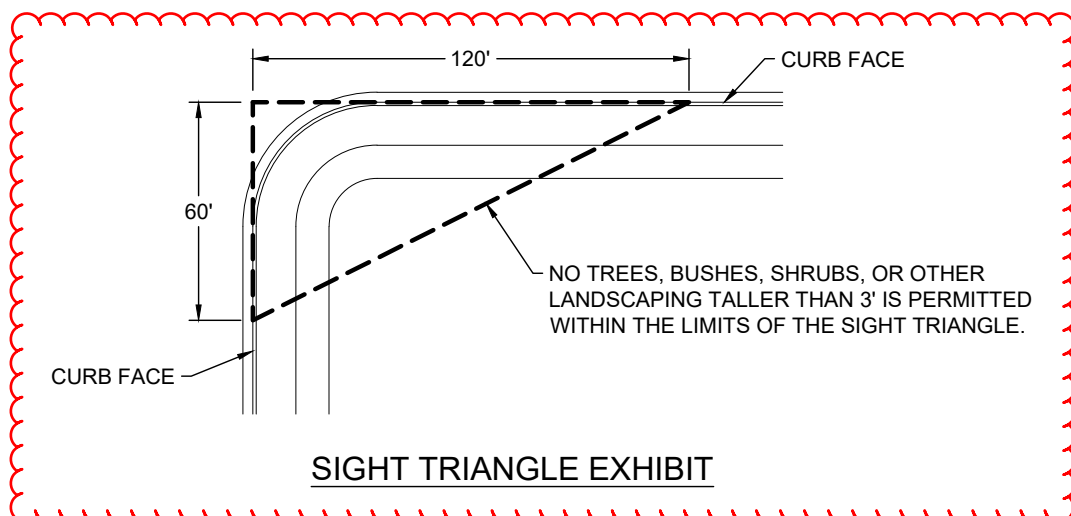
STEM WALL - ENLARGED

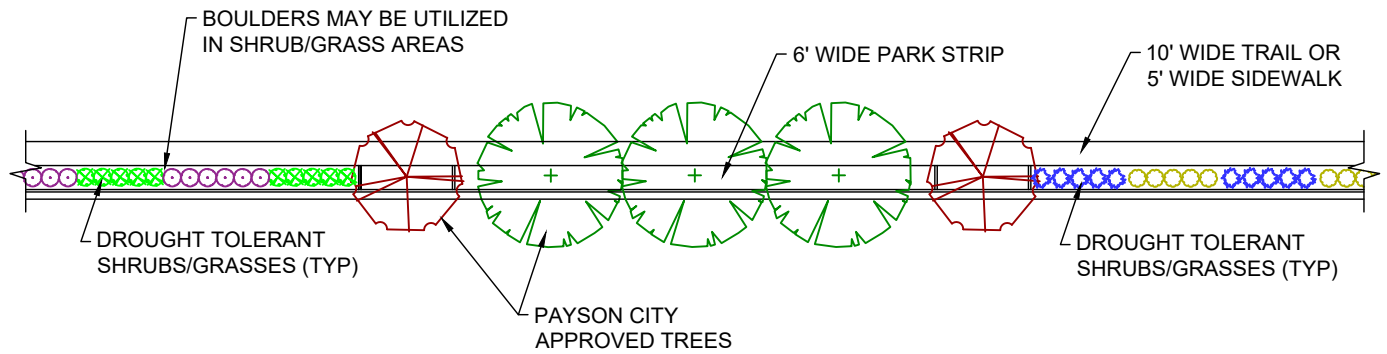
NOT TO SCALE



NOTES:

1. WATER-WISE LANDSCAPING REQUIRED FOR ALL NEW DEVELOPMENT.
2. THE TYPICAL SECTION IS A 5' SIDEWALK WITH A 6' PARK STRIP.
3. ROCK OR BARK MULCH REQUIRED FOR GROUND COVER.
4. MULCH TO MEET PAYSON CITY DESIGN STANDARDS.
5. PROVIDE A MINIMUM OF 2 DIFFERING MULCH STYLES/COLORS.
6. GRAVEL IS NOT AN ACCEPTABLE GROUND COVER.
7. ANY BOULDERS UTILIZED SHOULD MEASURE 24" TO 48" IN DIAMETER ALONG THE SMALLEST AXIS.
8. PROVIDE 12 GAUGE STEEL OR CONCRETE CURB EDGING.
9. LAWN IS NOT PERMITTED IN A PARK STRIP LESS THAN 8' WIDE.
10. SPRAY STYLE SPRINKLER HEADS NOT PERMITTED IN PARK STRIP LESS THAN 8' WIDE.
11. UTILIZE NATIVE, DROUGHT TOLERANT PLANTS IRRIGATED WITH A DRIP SPRINKLER SYSTEM.
12. PLANTING SHOWN ABOVE IS AN EXAMPLE, NOT THE REQUIRED PLANTING SCHEME. CHOSEN PLANTING SCHEME REQUIRES APPROVAL FROM PAYSON CITY PLANNING.
13. VISIT LOCALSCAPES.COM FOR FREE WATER-WISE PLANTING DESIGNS AND PRODUCTS.
14. THE MINIMUM DRIVEWAY CUT IS 18'. STANDARD RESIDENTIAL DRIVEWAY CUT IS 24'. MAXIMUM CURB CUT IS 40'.
14. 10' (MIN) HORIZONTAL SEPARATION REQUIRED BETWEEN CULINARY WATER AND SEWER LATERAL.
15. REFER TO PAYSON CITY ORDINANCES FOR ADDITIONAL LANDSCAPING REQUIREMENTS.
16. PLANTING MATERIALS MUST BE PLACED TO AVOID CONFLICT WITH STREET LIGHTING AND MAINTAIN CLEAR VIEW AREAS.

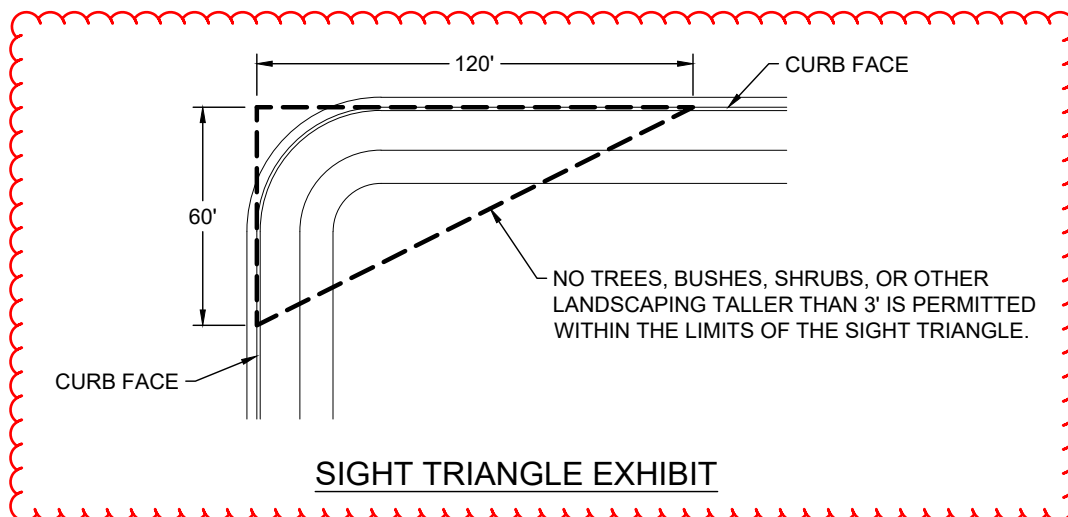




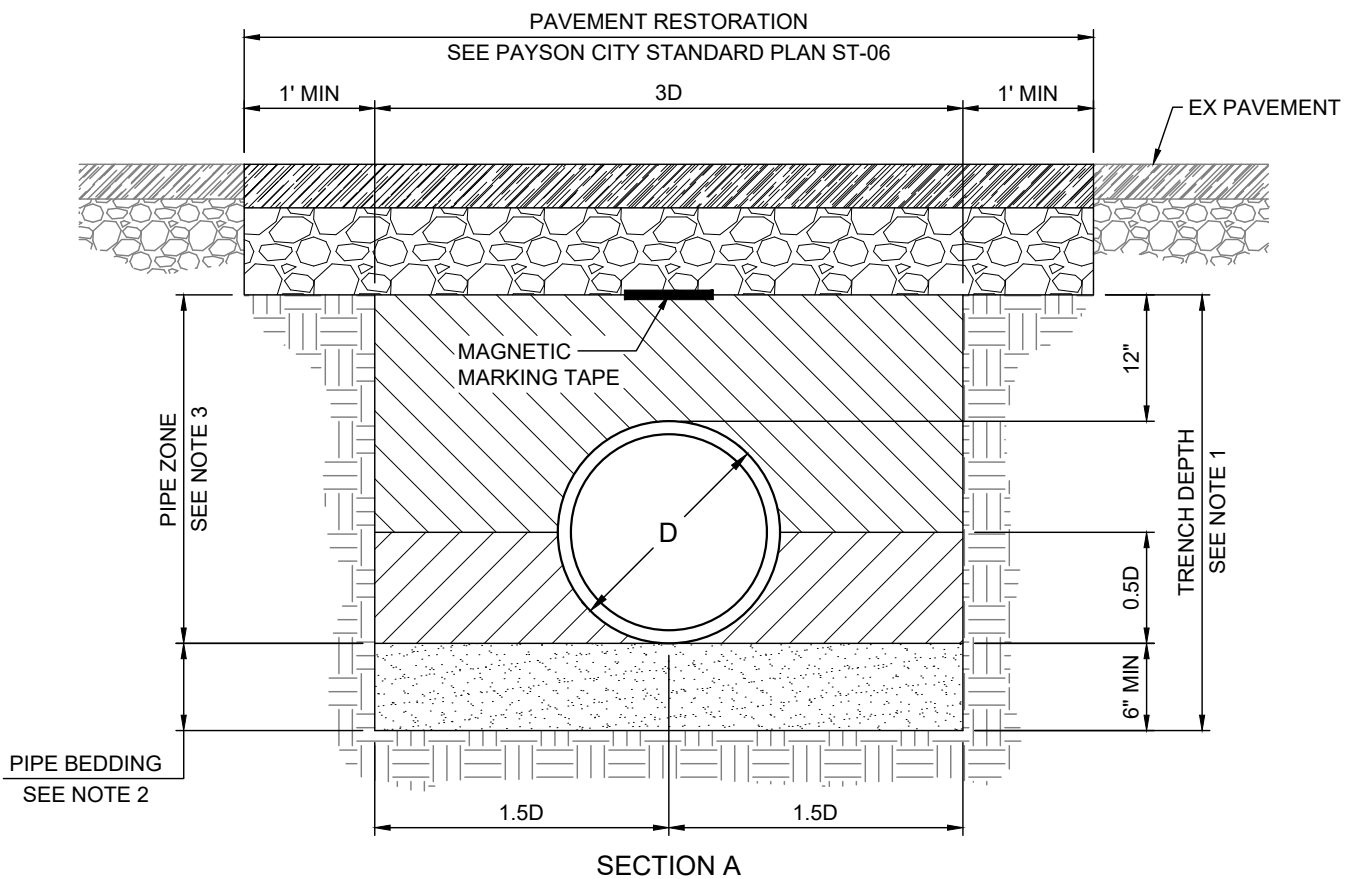
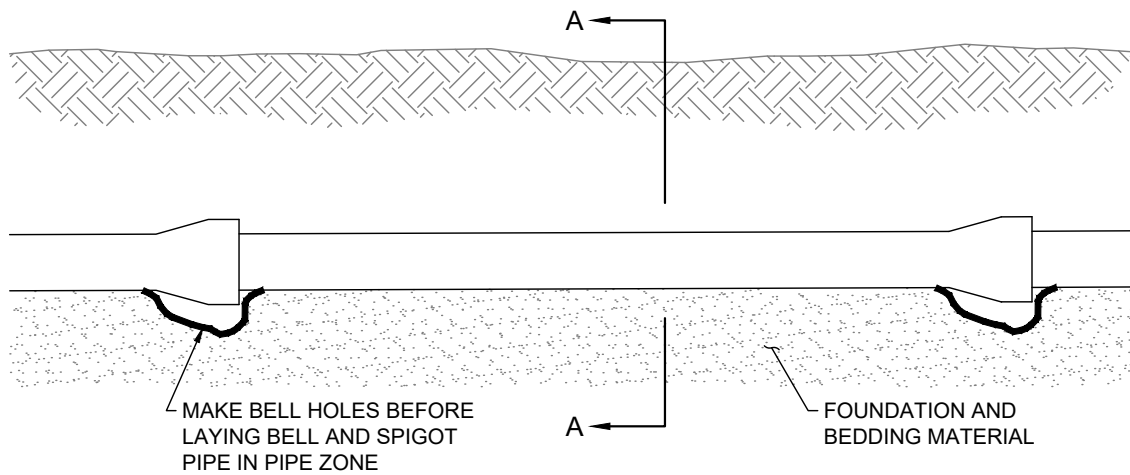
NON-RESIDENTIAL PARK STRIP LANDSCAPING

NOTES:

1. WATER-WISE LANDSCAPING REQUIRED FOR ALL NEW DEVELOPMENT.
2. THE TYPICAL SECTION IS A 5' SIDEWALK WITH A 6' PARK STRIP. 10' WIDE TRAIL IN LIEU OF 5' WIDE SIDEWALK IS REQUIRED IN SOME LOCATIONS. CONFIRM REQUIRED SECTION WITH PAYSON CITY DEVELOPMENT SERVICES.
3. ROCK OR BARK MULCH REQUIRED FOR GROUND COVER.
4. MULCH TO MEET PAYSON CITY DESIGN STANDARDS.
5. PROVIDE A MINIMUM OF 2 DIFFERING MULCH STYLES/COLORS.
6. GRAVEL IS NOT AN ACCEPTABLE GROUND COVER.
7. ANY BOULDERS UTILIZED SHOULD MEASURE 24" TO 48" IN DIAMETER ALONG THE SMALLEST AXIS.
8. PROVIDE 12 GAUGE STEEL OR CONCRETE CURB EDGING.
9. LAWN IS NOT PERMITTED IN A PARK STRIP LESS THAN 8' WIDE.
10. SPRAY STYLE SPRINKLER HEADS NOT PERMITTED IN PARK STRIP LESS THAN 8' WIDE.
11. UTILIZE NATIVE, DROUGHT TOLERANT PLANTS IRRIGATED WITH A DRIP SPRINKLER SYSTEM.
12. PLANTING SHOWN ABOVE IS AN EXAMPLE, NOT THE REQUIRED PLANTING SCHEME. CHOSEN PLANTING SCHEME REQUIRES APPROVAL FROM PAYSON CITY DEVELOPMENT SERVICES.
13. REFER TO PAYSON CITY ORDINANCES FOR ADDITIONAL LANDSCAPING REQUIREMENTS.
14. PLANTING MATERIALS MUST BE PLACED TO AVOID CONFLICT WITH STREET LIGHTING AND MAINTAIN CLEAR VIEW AREAS.

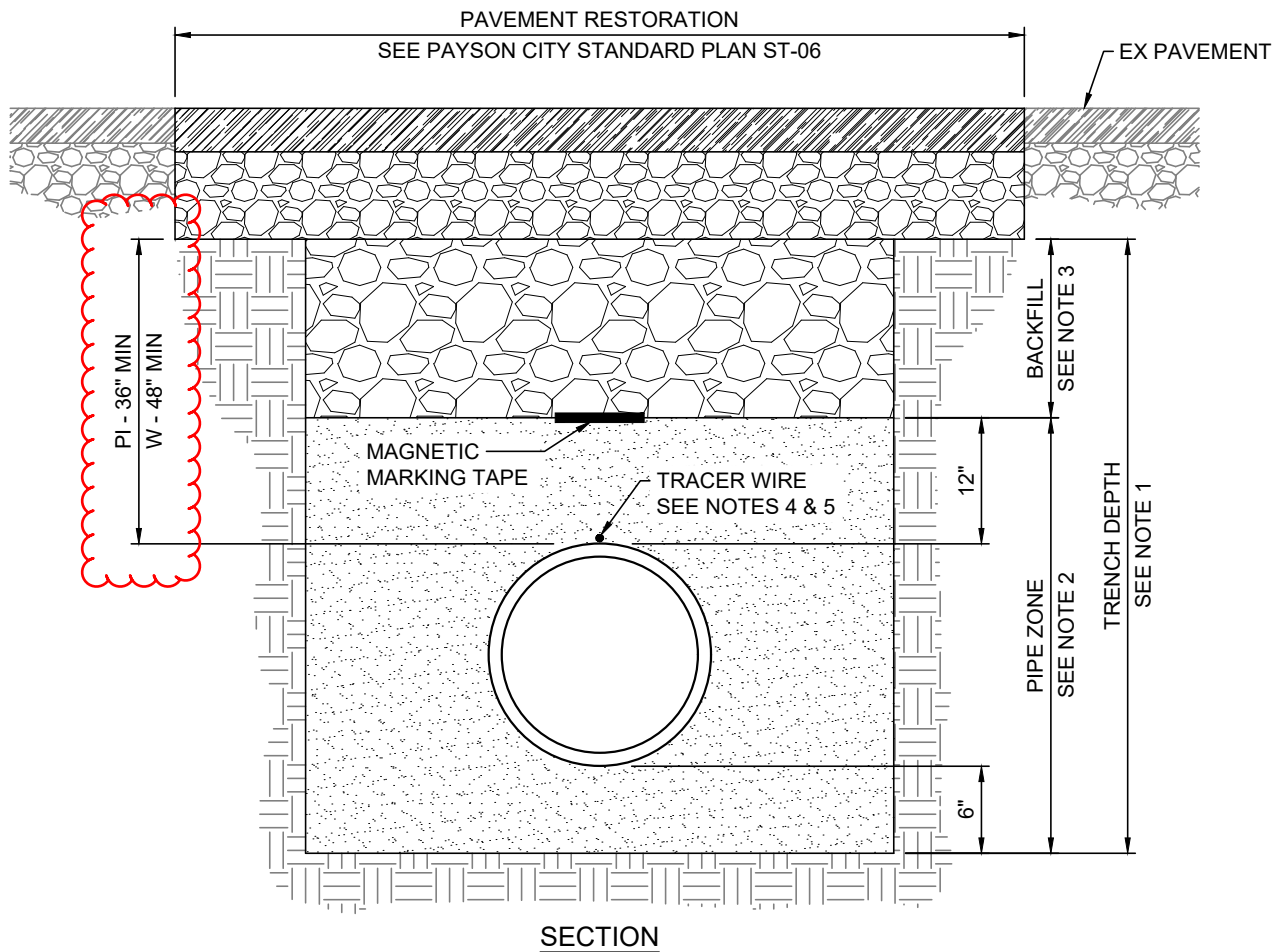


SIGHT TRIANGLE EXHIBIT



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.

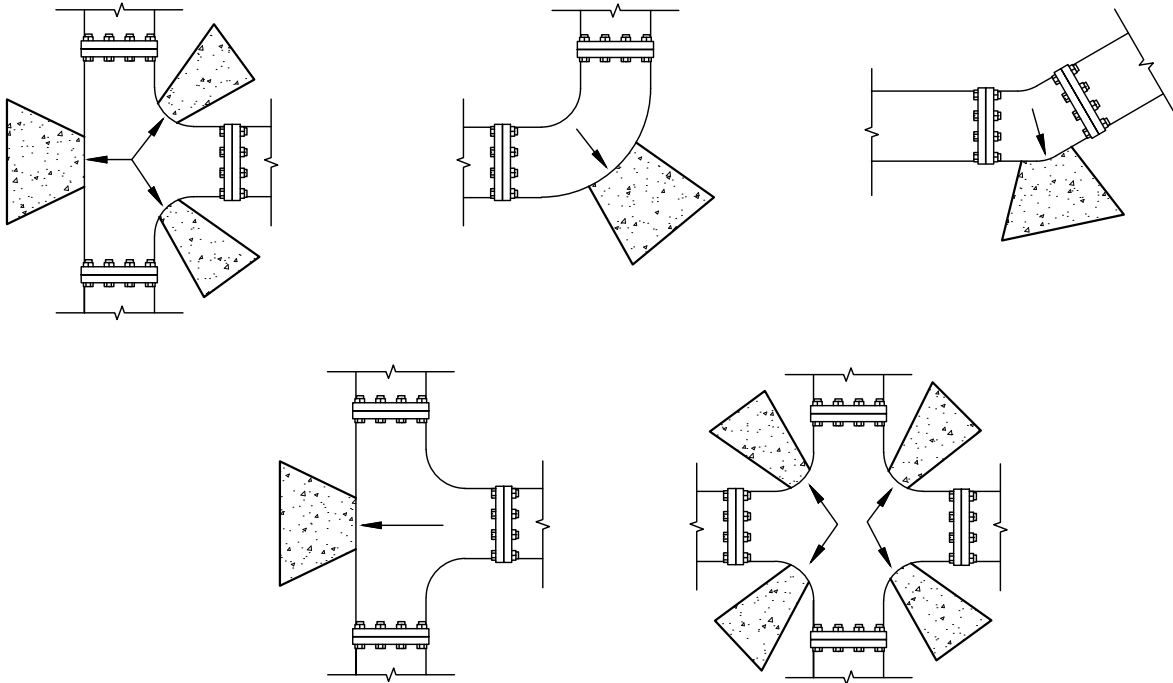


NOTES:

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: RIVER OR BANK SAND PER APWA SECTION 31 05 13. COMPACT TO 92% DENSITY PER ASTM D-1557. **CRUSHER FINES ARE NOT PERMITTED.**
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.

MAIN LINE INSTALLATION:

6. 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.
7. 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.
8. REQUIRED VALVE SPACING IS ONE BLOCK OR 20 SERVICE CONNECTIONS, WHICHEVER IS LESS.



| MINIMUM BEARING AREA IN SQUARE FEET | | | | | |
|-------------------------------------|-------------------------|-----------|-----------|-------------|--------------|
| SIZE | TEES, VALVES, DEAD ENDS | 90° BENDS | 45° BENDS | 22.5° BENDS | 11.25° BENDS |
| 4" | 2 | 3 | 2 | 2 | 2 |
| 6" | 4 | 5.5 | 3 | 1.5 | 1 |
| 8" | 6 | 9.5 | 5 | 2.75 | 1.5 |
| 12" | 14 | 20 | 11 | 5.5 | 3 |

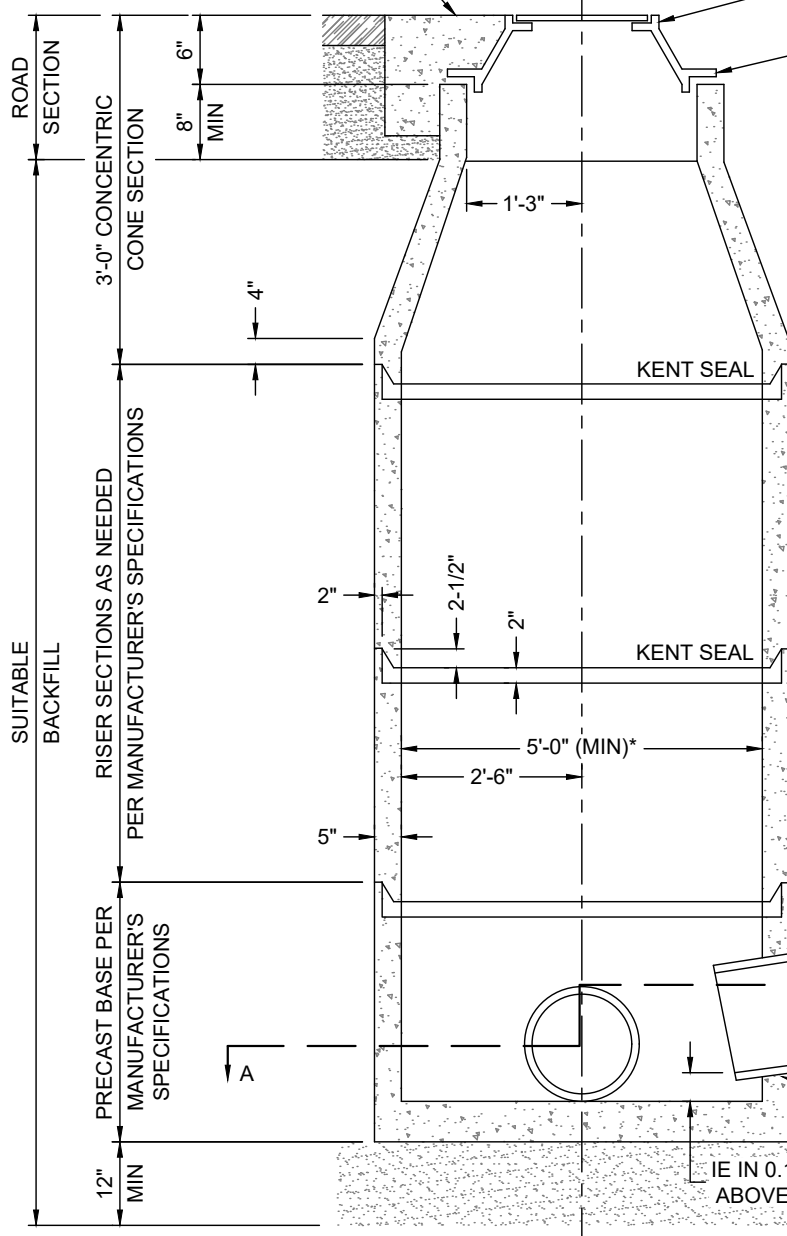
NOTES:

1. CONCRETE: CLASS 4000 PSI MINIMUM PER APWA SECTION 03 30 04. POUR AGAINST UNDISTURBED SOIL. NO BAG MIXES ALLOWED.
2. PIPE JOINTS: DO NOT COVER WITH CONCRETE. LEAVE COMPLETELY ACCESSIBLE.
3. GREASE: APPLY POLY-FM GREASE TO ALL BURIED METAL SURFACES. WRAP 8 MIL THICK POLYETHYLENE SHEET AND TAPE WRAP.
4. SPECIAL CONSTRUCTION REQUIREMENTS:
 - 4.1. THRUST DESIGN FOR PIPE SIZES OR CONFIGURATIONS NOT SHOWN REQUIRE A SPECIAL DESIGN.
 - 4.2. BEARING AREAS, VOLUMES, AND SPECIAL THRUST BLOCKING DETAILS SHOWN ON CONSTRUCTION PLANS TAKE PRECEDENCE OVER THIS PLAN.
5. INSPECTIONS: REQUEST INSPECTION PRIOR TO BACKFILLING
6. BACKFILL: PROVIDE AND PLACE PER APWA SECTION 33 05 20. COMPACT PER APWA SECTION 31 23 26 TO A DENSITY OF 95% OR GREATER. MAXIMUM LIFT THICKNESS IS 8" WHEN USING RIDING COMPACTION AND 6" WHEN USING HANDHELD COMPACTION EQUIPMENT.

CONCRETE COLLAR PER PAYSON STD PLAN UT-05

FRAME AND COVER PER
APWA PLAN 402

INFRA-RISER, WHIRLYGIG, PRECISION
HARDWARE, OR APPROVED EQUIVALENT
REQ'D TO MAKE LID FLUSH W/ FINAL
SURFACE. GRAVEL, BROKEN CONCRETE,
OR SHIMS THAT ROT OR BECOME
CORRODED OVER TIME ARE NOT
PERMITTED.



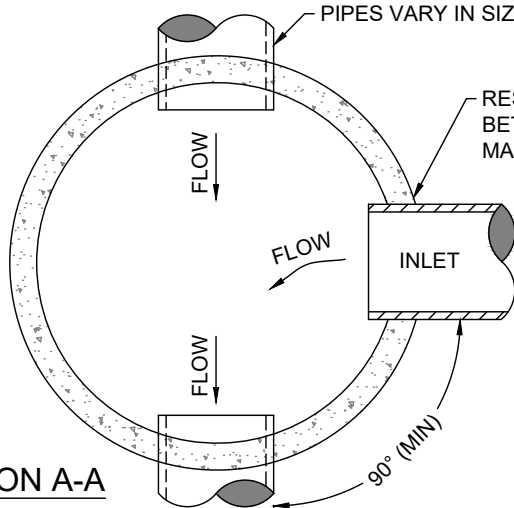
* REFER TO PAYSON CITY DEVELOPMENT
GUIDELINES SECTION 5.4.b FOR MANHOLE
SIZING REQUIREMENTS AND STANDARDS.

RUBBER BOOT CAST INTO BASE
SECTION BY MANUFACTURER OR
SEAL AND GROUT CORE DRILLED
CONNECTIONS.

PIPES VARY IN SIZE

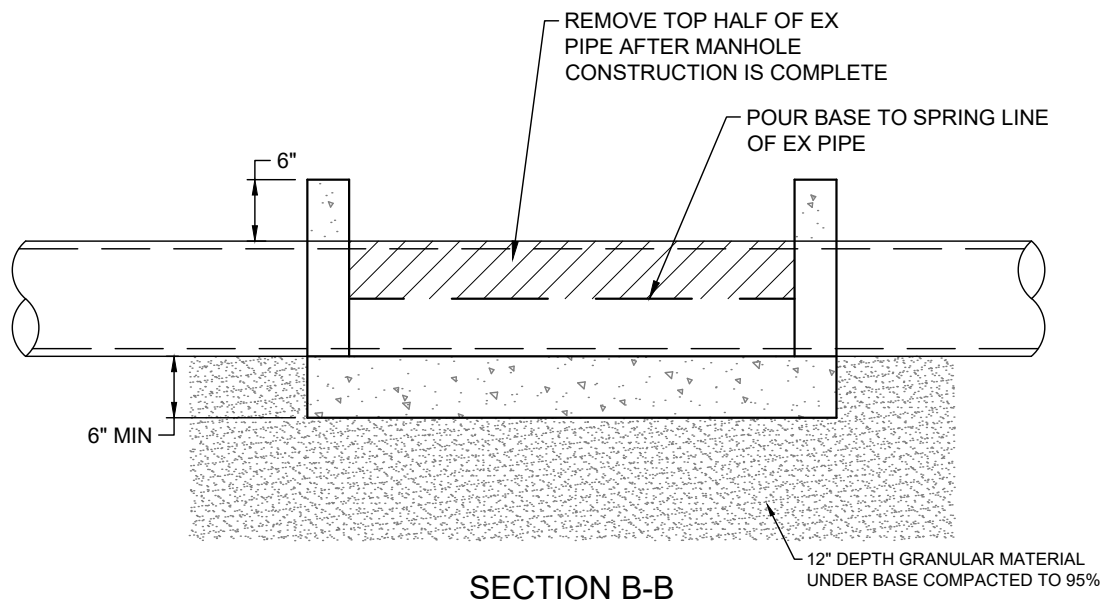
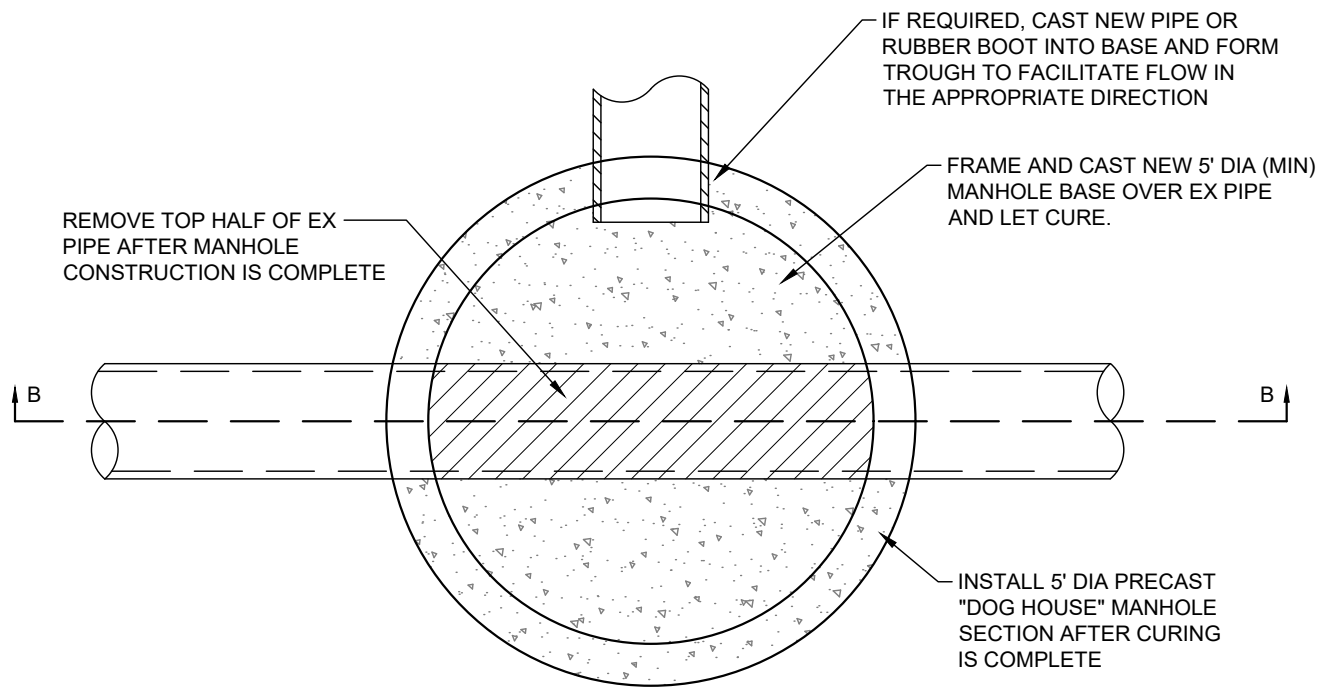
RESILIENT CONNECTION
BETWEEN PIPES AND
MANHOLE REQUIRED

SECTION A-A



NOTES:

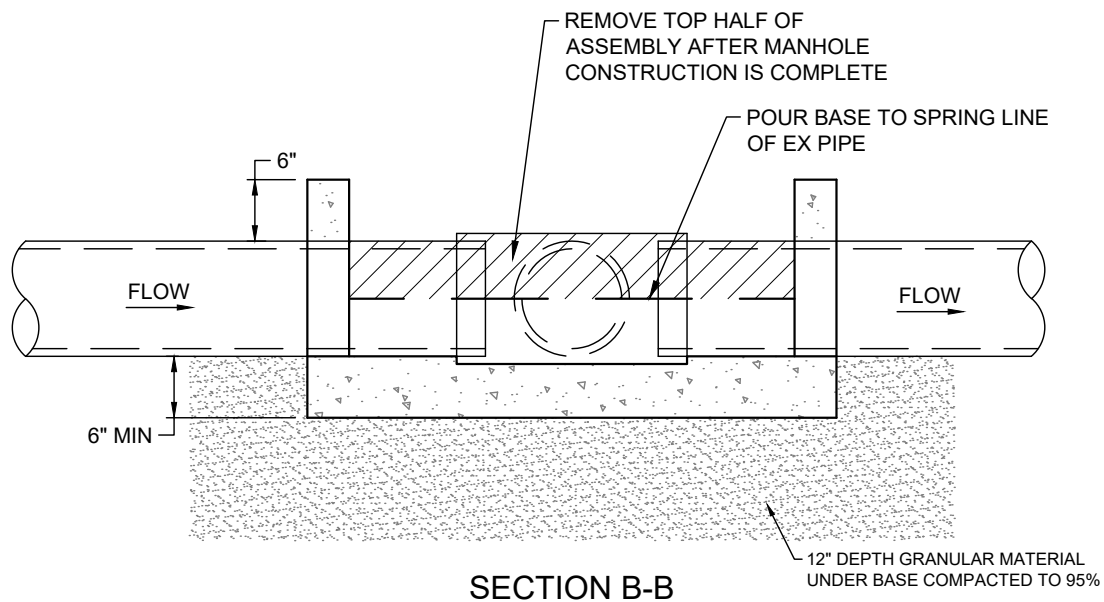
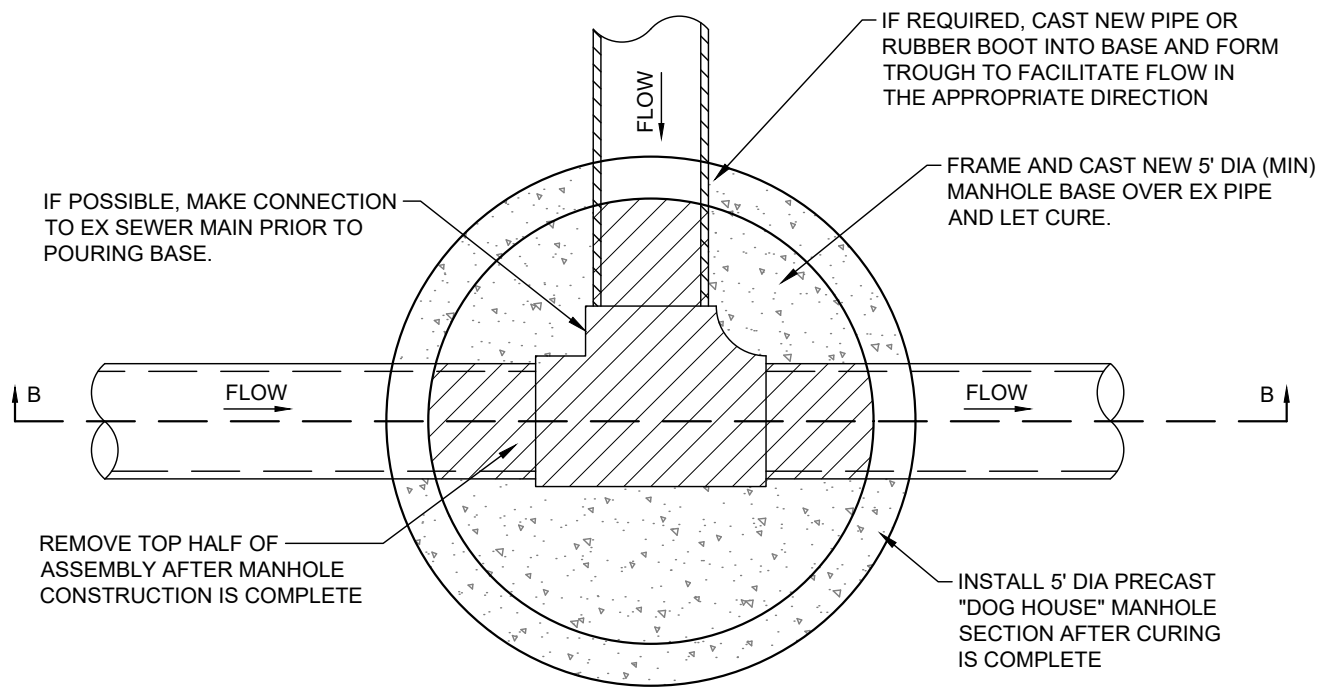
1. MANHOLE BASE AND PRECAST TO CONFORM TO ASTM C478.
2. NO 4" LATERAL CONNECTIONS ALLOWED INTO MANHOLES.
3. NO REVERSIBLE HARDWARE ALLOWED.
4. 90° MINIMUM ANGLE BETWEEN INLET AND OUTLET PIPES. NO ACUTE ANGLES ARE PERMITTED.



SECTION B-B

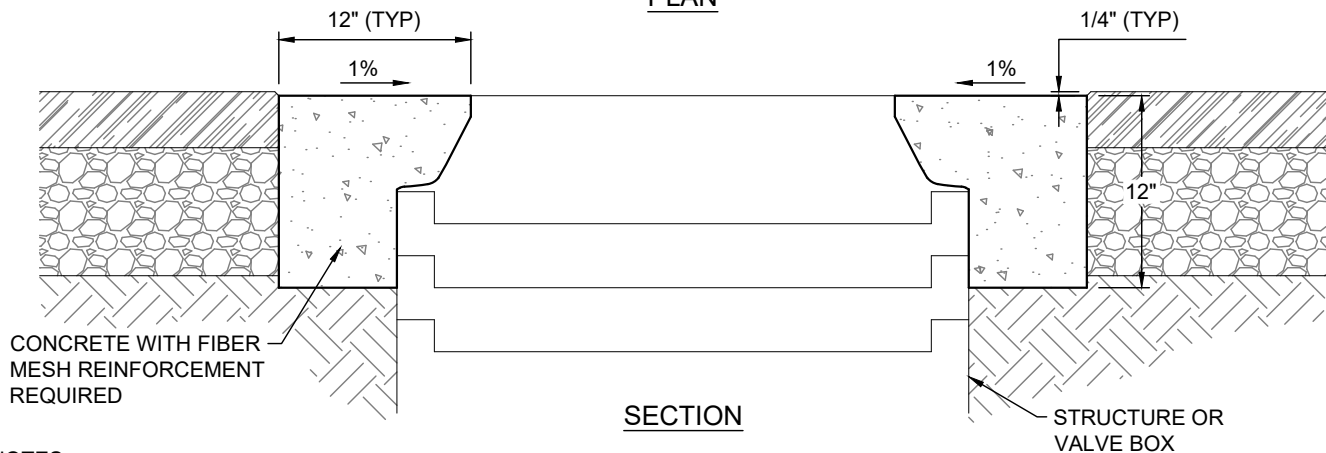
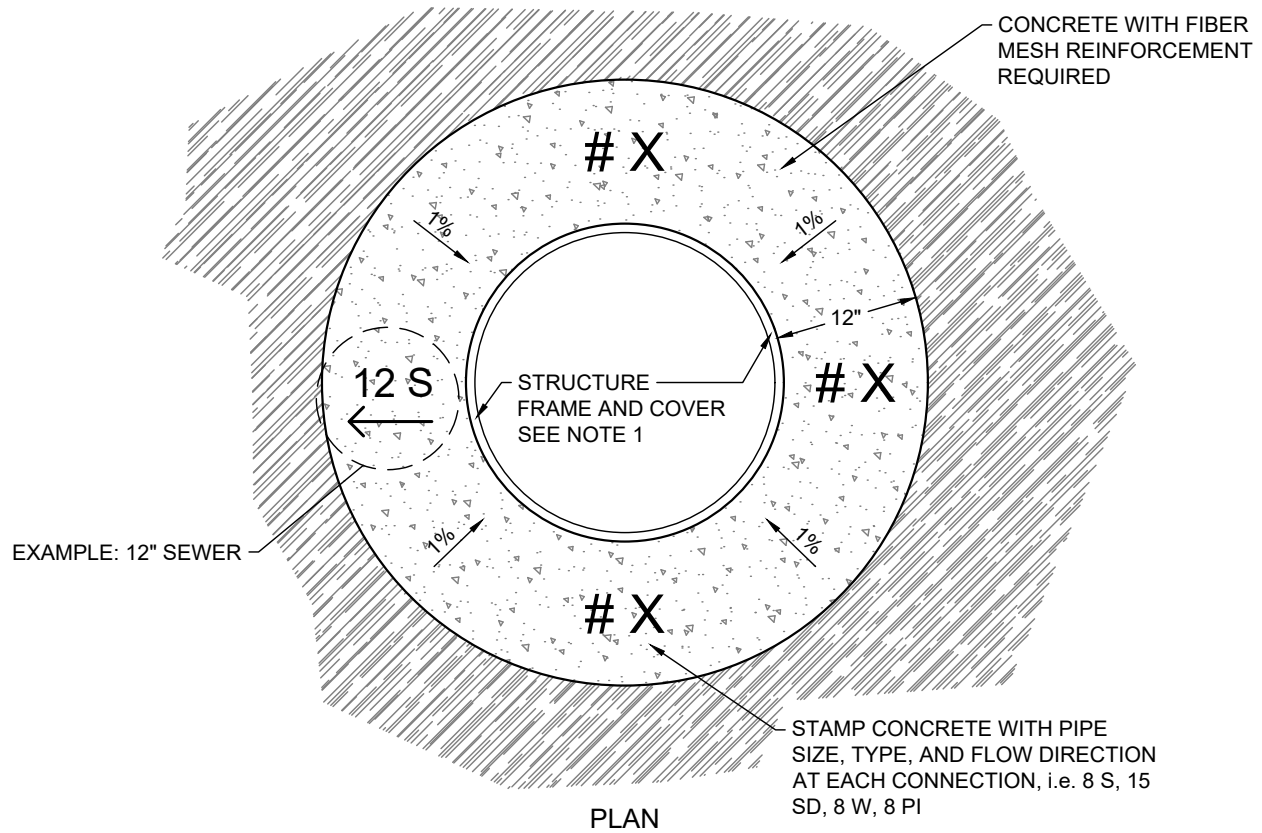
NOTES:

1. CAST-IN-PLACE MANHOLE BASE IS TO BE USED ONLY WHEN EXISTING UTILITY IS TO REMAIN IN SERVICE DURING CONSTRUCTION.
2. ONLY BASE IS PERMITTED TO BE CAST-IN-PLACE. "DOG HOUSE", RISER SECTIONS, AND CONE TO BE PRECAST.
3. ALL PRECAST TO CONFORM TO ASTM C478.
4. REFER TO SHEET 1 FOR MANHOLE DETAIL.



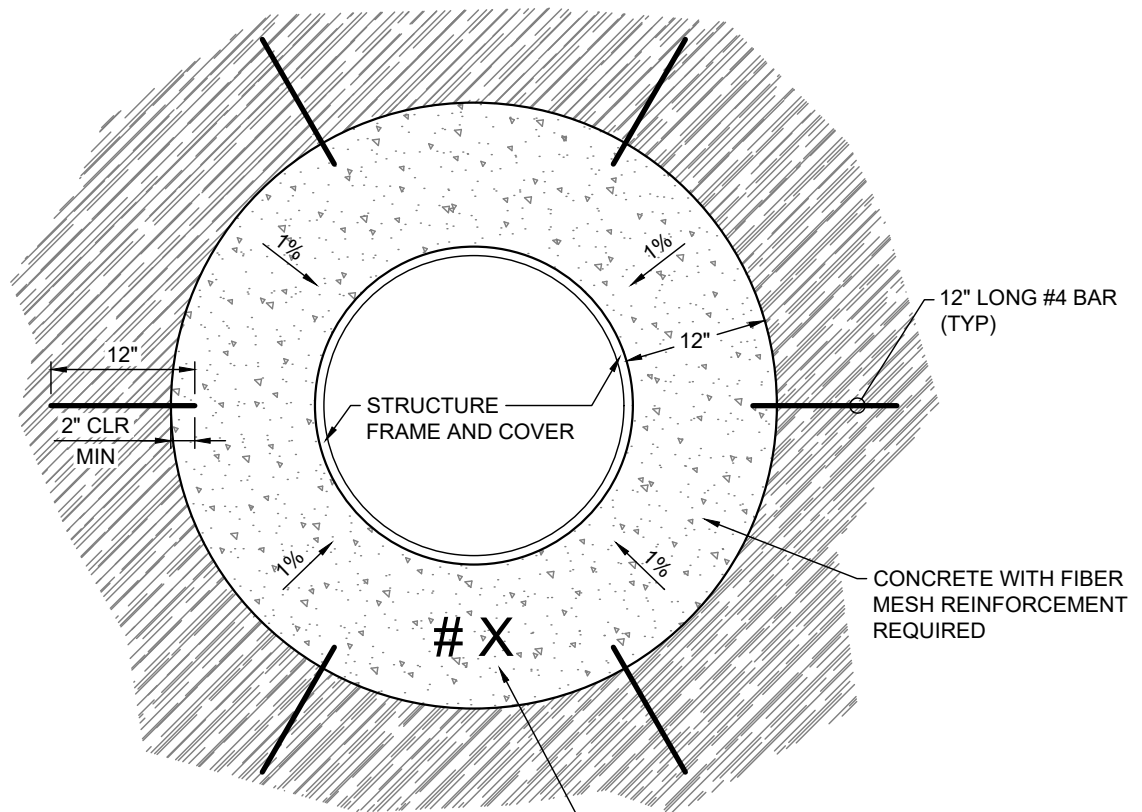
NOTES:

1. CAST-IN-PLACE MANHOLE BASE IS TO BE USED ONLY WHEN EXISTING UTILITY IS TO REMAIN IN SERVICE DURING CONSTRUCTION.
2. ONLY BASE IS PERMITTED TO BE CAST-IN-PLACE. "DOG HOUSE", RISER SECTIONS, AND CONE TO BE PRECAST.
3. ALL PRECAST TO CONFORM TO ASTM C478.
4. REFER TO SHEET 1 FOR MANHOLE DETAIL.



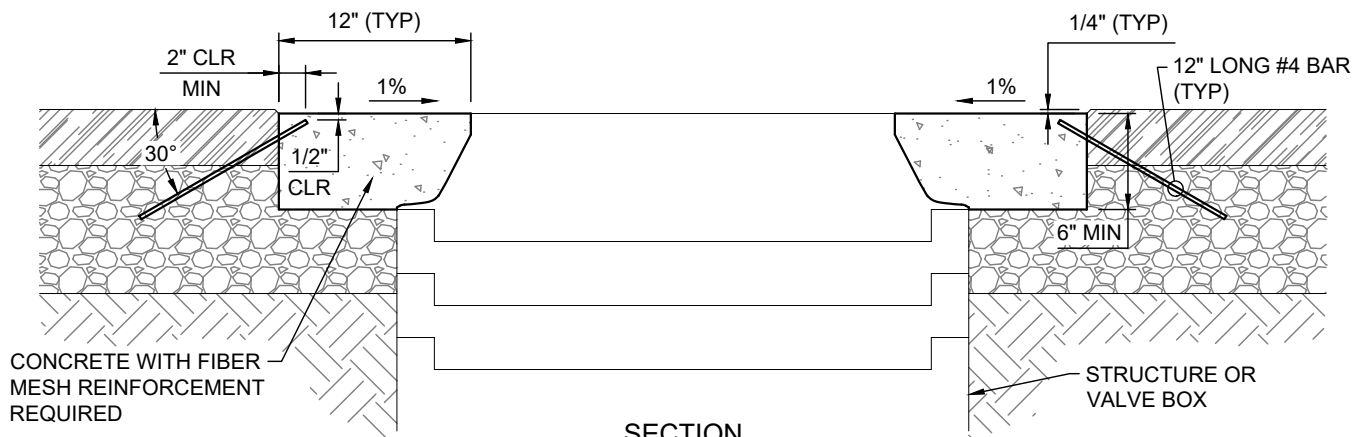
NOTES:

1. STRUCTURE FRAME AND COVER:
STORM DRAIN - APWA PLAN 302 OR 303
SANITARY SEWER - APWA PLAN 402
WATER/PRESSURIZED IRRIGATION - APWA PLAN 502 OR CAST IRON VALVE BOX
2. USE ONLY 4000 PSI (MIN) CONCRETE MEETING APWA SECTION 03 30 04 FROM A UTAH STATE APPROVED BATCH PLANT. SUBMIT BATCH TICKET WITH INSTALLATION. BAG MIX, SMALL BATCH CONCRETE, OR CONCRETE FROM ANY SOURCE OTHER THAN A UTAH STATE APPROVED BATCH PLANT IS NOT ACCEPTABLE AND WILL BE REMOVED AND REPLACED AT THE CONTRACTOR'S EXPENSE.
3. FIBER MESH REINFORCEMENT REQUIRED.
4. PROVIDE A NEAT VERTICAL AND CONCENTRIC JOINT BETWEEN CONCRETE AND PAVED SURFACE. CLEAN EDGES OF ALL DIRT, OIL, AND LOOSE DEBRIS.
5. INSTALL 12" THICK CONCRETE COLLAR ACCORDING TO APWA SECTION 03 30 10. APPLY BROOM FINISH AND CURING AGENT PER APWA SECTION 03 39 00.
6. 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.



PLAN

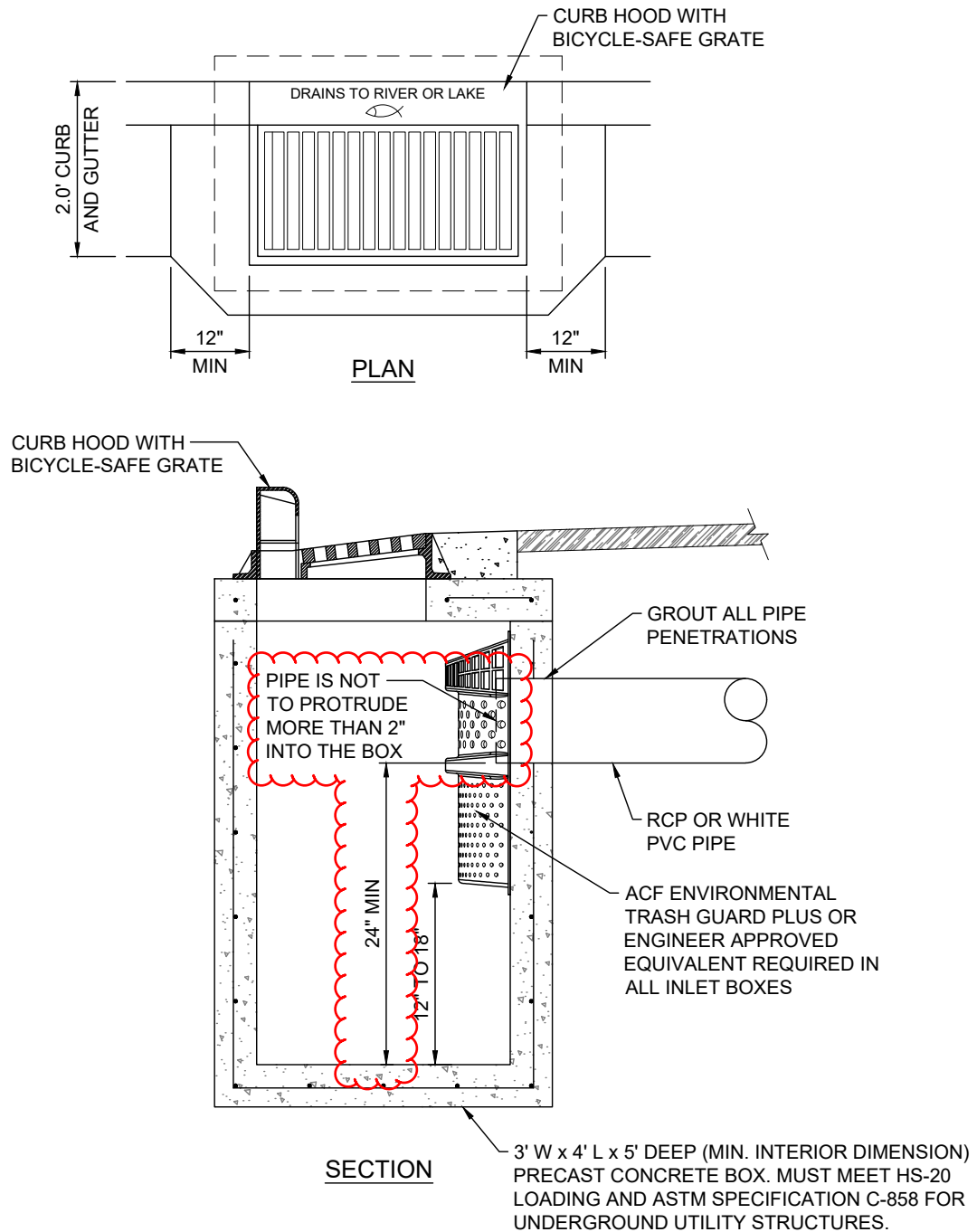
STAMP CONCRETE WITH PIPE SIZE, TYPE, AND FLOW DIRECTION AT EACH CONNECTION, i.e. 8 S, 15 SD, 8 W, 8 PI. SEE SHEET 1 OF THIS DETAIL.



SECTION

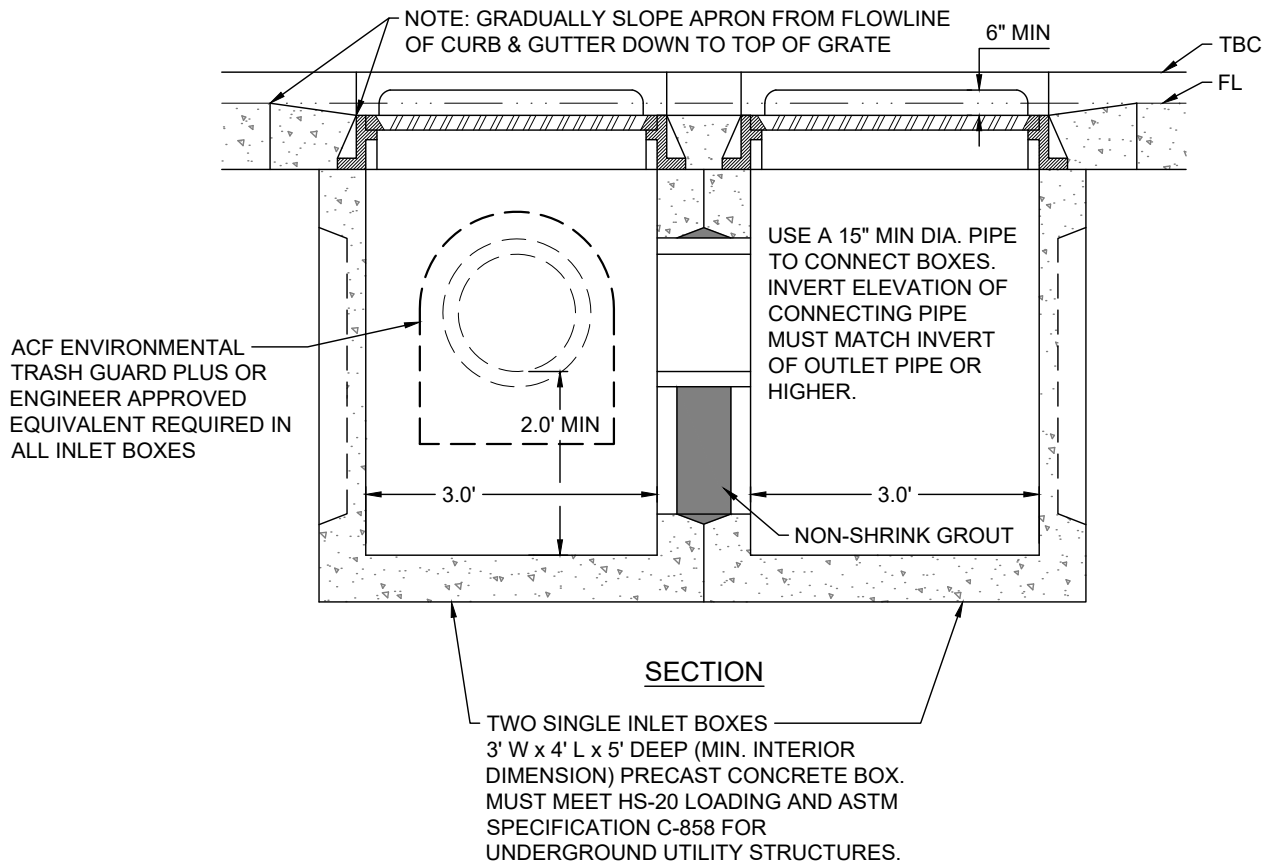
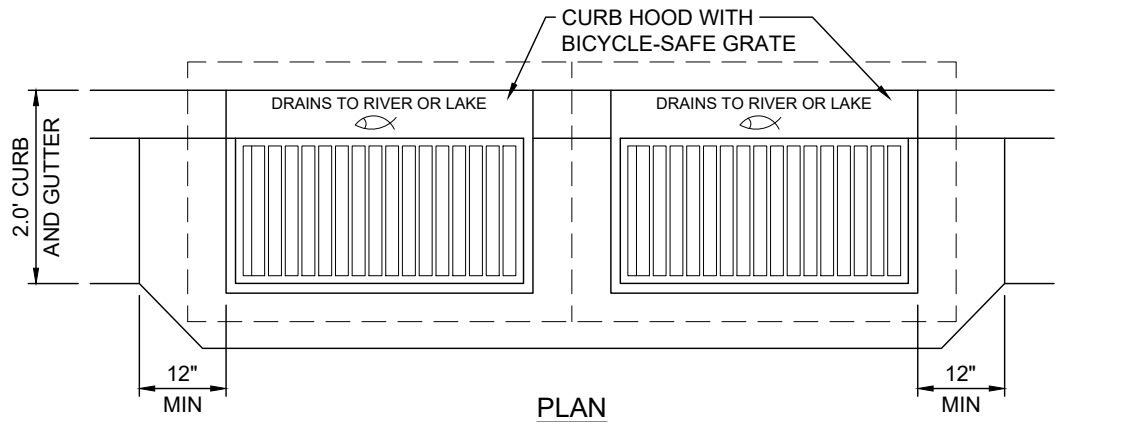
NOTES:

1. REFER TO NOTES ON SHEET 1 OF THIS DETAIL.
2. FINISH CONCRETE COLLAR PER SHEET 1 OF THIS DETAIL.
3. MODIFIED INSTALLATION REQUIRES WRITTEN APPROVAL FROM CITY ENGINEER OR DESIGNEE.
4. INSTALL (6) 12" LONG #4 BARS EVENLY SPACED AROUND THE COLLAR.
5. BARS TO BE DOWELED INTO ASPHALT AND ROAD BASE.
6. SET BARS THROUGH THE MIDDLE OF THE ASPHALT SECTION WITH 2" (MIN) CLEAR FROM THE EDGE OF THE COLLAR.
7. PROVIDE 1/2" (MIN) CLEAR SPACE FROM THE FINISHED SURFACE OF THE COLLAR TO THE END OF THE DOWEL.



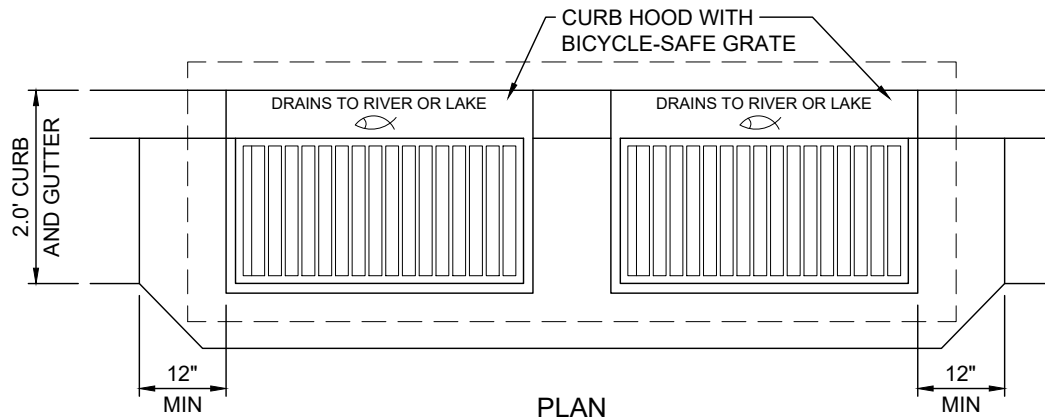
NOTES:

1. ALL STORM DRAIN MAIN LINES MUST RUN THROUGH STORM MANHOLES.
2. UNLESS OTHERWISE DESIGNED BY A LICENSED PROFESSIONAL ENGINEER, #4 REBAR IS REQUIRED, SPACED AT MINIMUM OF 12" O.C. IN ALL DIRECTIONS IN CONCRETE.
3. OVERLAP ALL REBAR A MINIMUM OF 14".
4. DO NOT PLACE INLET WITHIN 3'-0" FROM CLOSEST EDGE OF ADA RAMP.
5. FOR GRATE & FRAME DETAILS SEE D&L SUPPLY CATALOG #I-3518 OR EQUIVALENT.
6. REQUIRED STAMPED HOOD "DRAINS TO RIVER OR LAKE" WITH FISH LOGO.
7. ALL BOXES AND FRAMES MUST SUPPORT HS-20 LOADING.
8. REFER TO THE APPROVED PROJECT PLANS FOR PIPE SIZE, LOCATION, SEDIMENT DEPTH, PRE-TREATMENT AND OTHER STRUCTURE DESIGN REQUIREMENTS.
9. 15" MIN DIA PIPE FOR MAIN LINE AND 12" MIN DIA PIPE FOR LATERALS CONNECTING ONE INLET TO MAIN LINE.

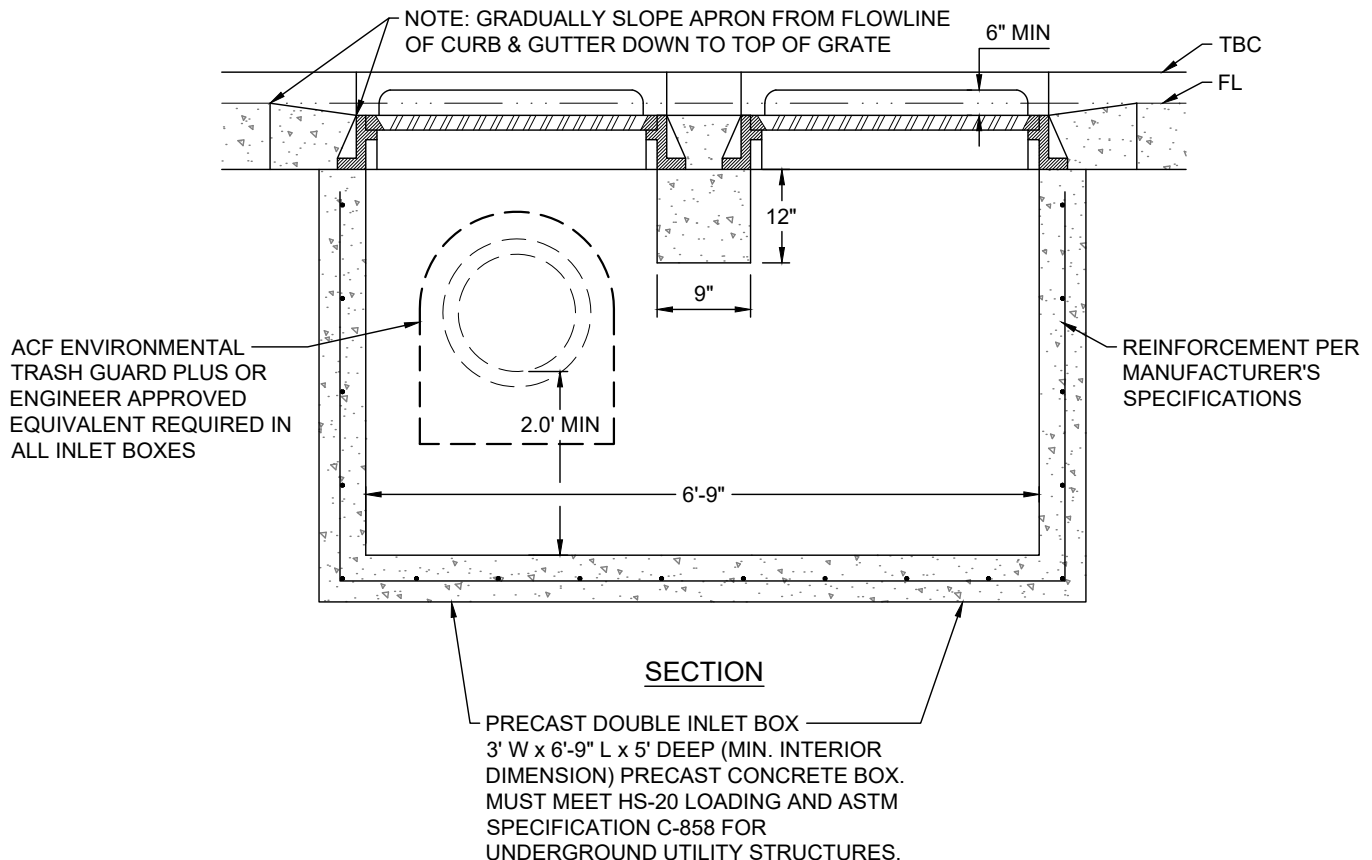


NOTES:

1. ALL STORM DRAIN MAIN LINES MUST RUN THROUGH STORM MANHOLES.
2. UNLESS OTHERWISE DESIGNED BY A LICENSED PROFESSIONAL ENGINEER, #4 REBAR IS REQUIRED, SPACED AT MINIMUM OF 12" O.C. IN ALL DIRECTIONS IN CONCRETE.
3. OVERLAP ALL REBAR A MINIMUM OF 14".
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5. FOR GRATE & FRAME DETAILS SEE D&L SUPPLY CATALOG #I-3518 OR EQUIVALENT.
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9. 15" MIN DIA PIPE FOR MAIN LINE AND 12" MIN DIA PIPE FOR LATERALS CONNECTING ONE INLET TO MAIN LINE.



PLAN

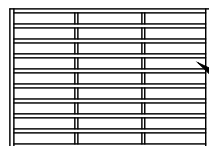
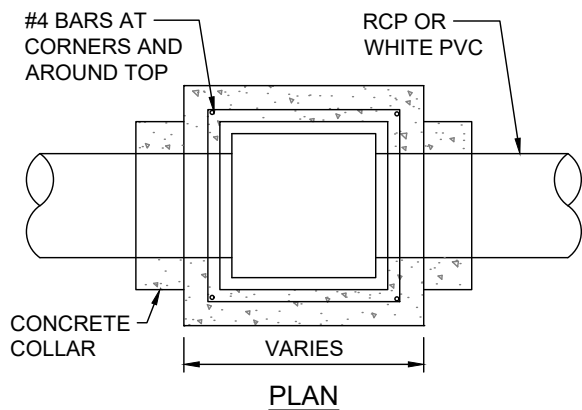


SECTION

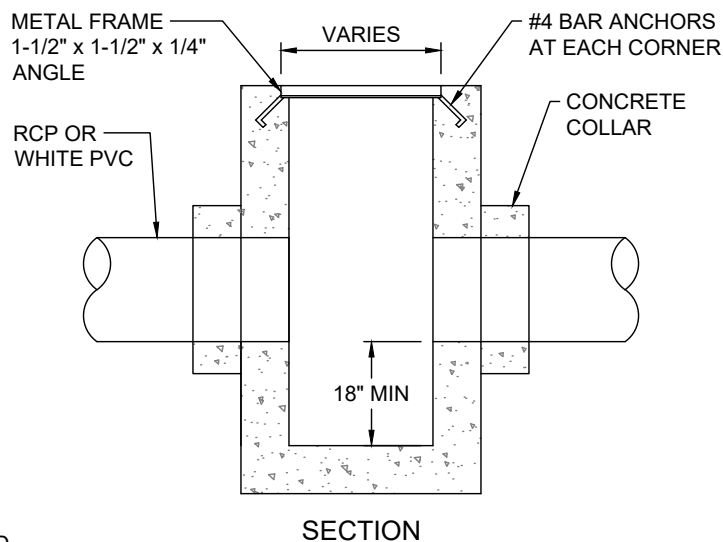
PRECAST DOUBLE INLET BOX
3' W x 6'-9" L x 5' DEEP (MIN. INTERIOR
DIMENSION) PRECAST CONCRETE BOX.
MUST MEET HS-20 LOADING AND ASTM
SPECIFICATION C-858 FOR
UNDERGROUND UTILITY STRUCTURES.

NOTES:

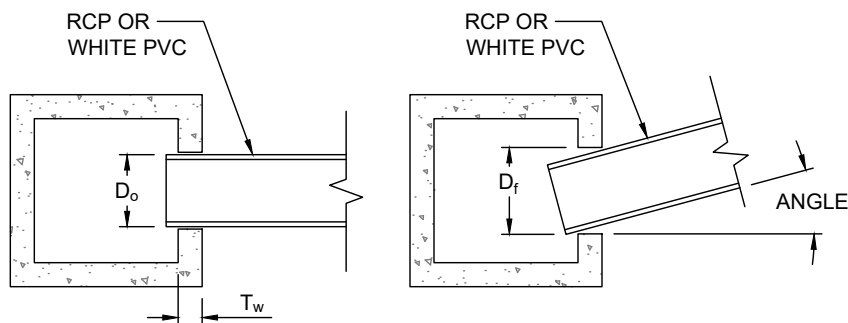
1. ALL STORM DRAIN MAIN LINES MUST RUN THROUGH STORM MANHOLES.
2. UNLESS OTHERWISE DESIGNED BY A LICENSED PROFESSIONAL ENGINEER, #4 REBAR IS REQUIRED, SPACED AT MINIMUM OF 12" O.C. IN ALL DIRECTIONS IN CONCRETE.
3. OVERLAP ALL REBAR A MINIMUM OF 14".
4. DO NOT PLACE INLET WITHIN 3'-0" FROM CLOSEST EDGE OF ADA RAMP.
5. FOR GRATE & FRAME DETAILS SEE D&L SUPPLY CATALOG #I-3518 OR EQUIVALENT.
6. REQUIRED STAMPED HOOD "DRAINS TO RIVER OR LAKE" WITH FISH LOGO.
7. ALL BOXES AND FRAMES MUST SUPPORT HS-20 LOADING.
8. REFER TO THE APPROVED PROJECT PLANS FOR PIPE SIZE, LOCATION, SEDIMENT DEPTH, PRE-TREATMENT AND OTHER STRUCTURE DESIGN REQUIREMENTS.
9. 15" MIN DIA PIPE FOR MAIN LINE AND 12" MIN DIA PIPE FOR LATERALS CONNECTING ONE INLET TO MAIN LINE.



TRAFFIC RATED
BICYCLE-SAFE GRATE



SIZING GUIDELINES



- D_o = THE ORIGINAL DIAMETER OF THE INLET OPENING OR THE OUTER DIAMETER OF THE PIPE IF THE PIPE IS PERPENDICULAR TO THE INLET BOX.
- D_f = THE FINAL ADJUSTED SIZE OF THE INLET OPENING WHEN THE PIPE IS SKEWED.
- T_w = THE THICKNESS OF THE WALL (6" FOR THE TABLE BELOW)
- ANGLE = THE ANGLE AT WHICH THE PIPE IS SKEWED.

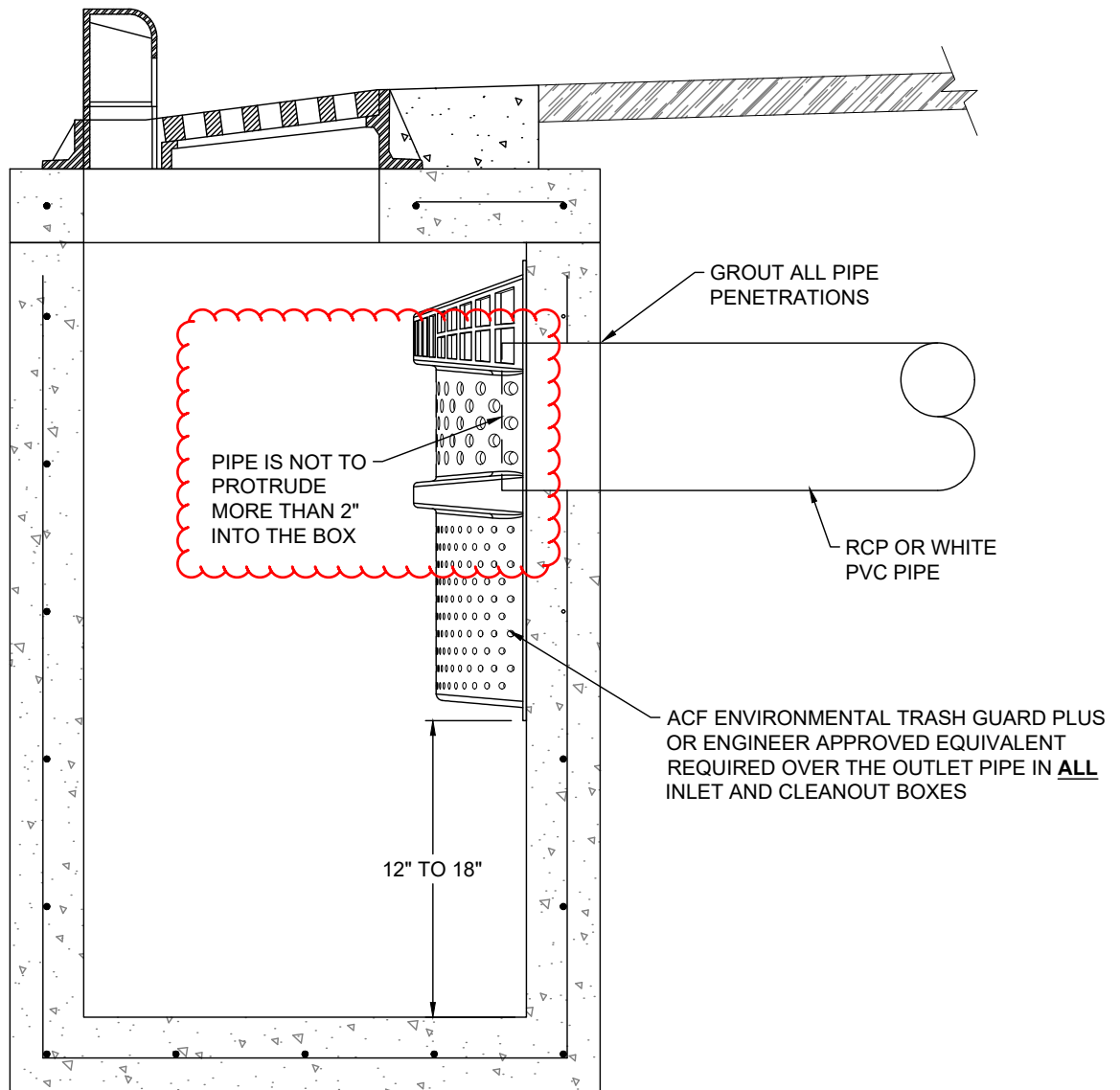
FORMULA:

$$D_f = (D_o / \cos(\text{ANGLE})) + (\tan(\text{ANGLE}) * T_w)$$

NOTES:

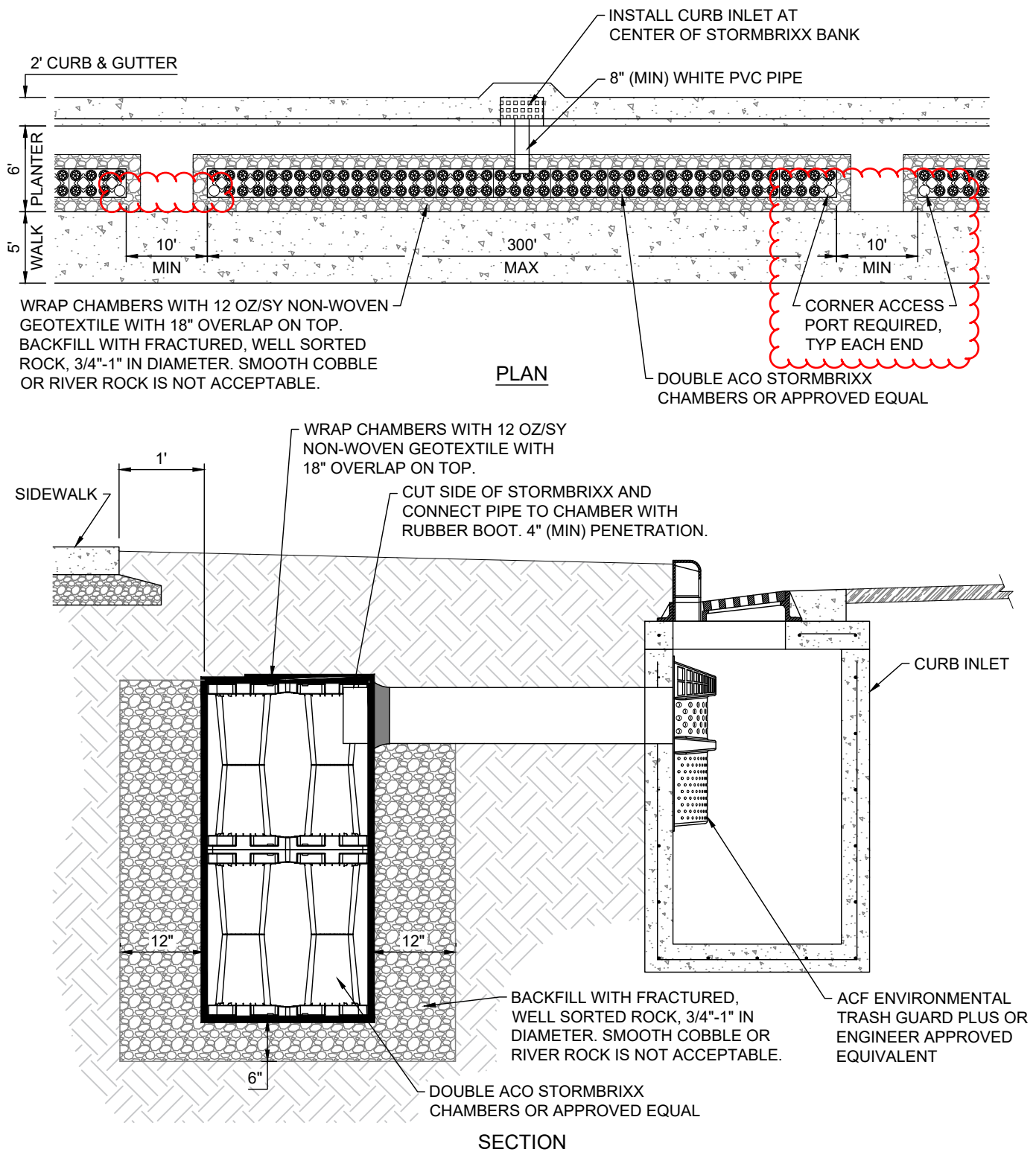
- TABLE IS BASED ON A 6" WALL THICKNESS AND PIPE ANGLE AT CLEANOUT.
- A CONCRETE BOX OF 6" WALL THICKNESS WILL NOT ACCOMMODATE PIPE SIZES OR ANGLE CONFIGURATIONS LARGER THAN THOSE LISTED IN THE TABLE. SPECIAL BOX SIZES OR MANHOLES ARE REQUIRED.
- USE OF THIS TABLE (INCLUDING DESIGN AND DIMENSIONS SHOULD BE ANALYZED AND CHECKED BY THE ENGINEER OF RECORD TO ENSURE ADEQUACY FOR THE INTENDED USE. ALL BOXES MUST HAVE A MINIMUM OF 6" OF SURROUNDING CONCRETE BOX COVERAGE.

| CONCRETE PIPE OUTER DIAMETERS BASED ON 6" CLEANOUT WALL THICKNESS AND PIPE ANGLE AT CLEANOUT | | | | | | | |
|--|----------------------------|-------|-------|-------|-------|-------|-------|
| ANGLE OF PIPE ENTERING BOX | 0° | 5° | 10° | 15° | 20° | 30° | 45° |
| NOMINAL DIAMETER (ID) | OUTSIDE DIAMETER (D_o) | D_f | D_f | D_f | D_f | D_f | D_f |
| 12.0" | 16.5" | 17.1" | 17.8" | 18.7" | 19.7" | 22.5" | 29.3" |
| 15.0" | 19.8" | 20.4" | 21.1" | 22.1" | 23.2" | 26.3" | 33.9" |
| 18.0" | 23.0" | 23.6" | 24.4" | 25.4" | 26.7" | 30.0" | 38.5" |
| 21.0" | 27.0" | 27.6" | 28.5" | 29.6" | 30.9" | 34.6" | 44.2" |
| 24.0" | 30.0" | 30.6" | 31.5" | 32.7" | 34.1" | 38.1" | 48.4" |
| 27.0" | 35.0" | 35.7" | 36.6" | 37.8" | 39.4" | 43.9" | 55.5" |
| 30.0" | 38.3" | 38.9" | 39.9" | 41.2" | 42.9" | 47.6" | 60.1" |
| 36.0" | 45.9" | 46.6" | 47.6" | 49.1" | 51.0" | 56.4" | |
| 42.0" | 52.2" | 53.0" | 54.1" | 55.7" | 57.8" | 63.8" | |
| 48.0" | 59.4" | 60.2" | 61.4" | 63.1" | | | |



NOTES:

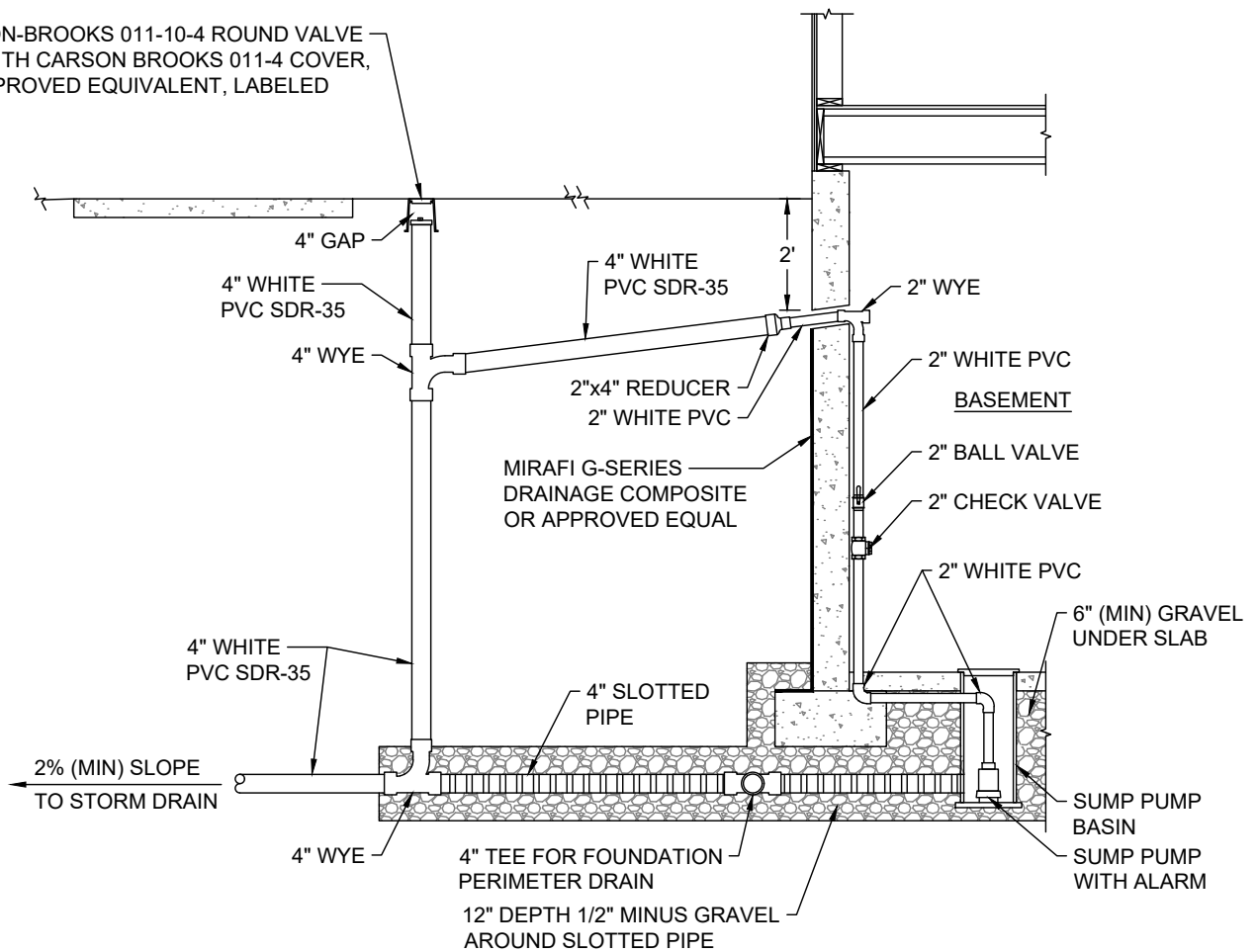
1. INSTALL ACF ENVIRONMENTAL TRASH GUARD PLUS WITH DEBRIS SKIRT PER MANUFACTURER'S SPECIFICATIONS.
2. ALTERNATIVE PRE-TREATMENT SOLUTIONS REQUIRE A SUBMITTAL TO AND WRITTEN APPROVAL FROM THE CITY ENGINEER OR DESIGNEE.



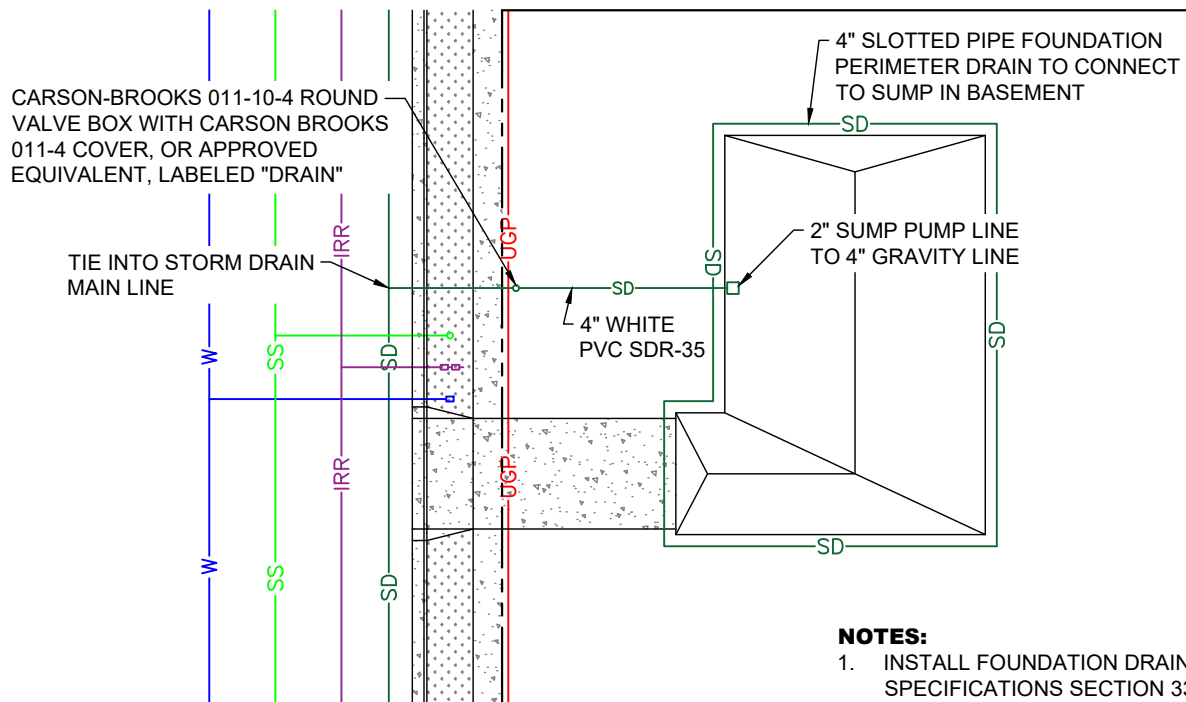
NOTES:

1. INSTALL ACF ENVIRONMENTAL TRASH GUARD PLUS WITH DEBRIS SKIRT PER MANUFACTURER'S SPECIFICATIONS.
2. ALTERNATIVE PRE-TREATMENT SOLUTIONS REQUIRE A SUBMITTAL TO AND WRITTEN APPROVAL FROM THE CITY ENGINEER OR DESIGNEE.
3. LANDSCAPE THE PLANTER STRIP BETWEEN THE SIDEWALK AND BACK OF CURB WITH PERVIOUS MATERIALS. PAVEMENT IN THE PLANTER STRIP IS NOT PERMITTED WITHOUT WRITTEN APPROVAL FROM THE CITY ENGINEER OR DESIGNEE.

CARSON-BROOKS 011-10-4 ROUND VALVE BOX WITH CARSON BROOKS 011-4 COVER, OR APPROVED EQUIVALENT, LABELED DRAIN



SECTION

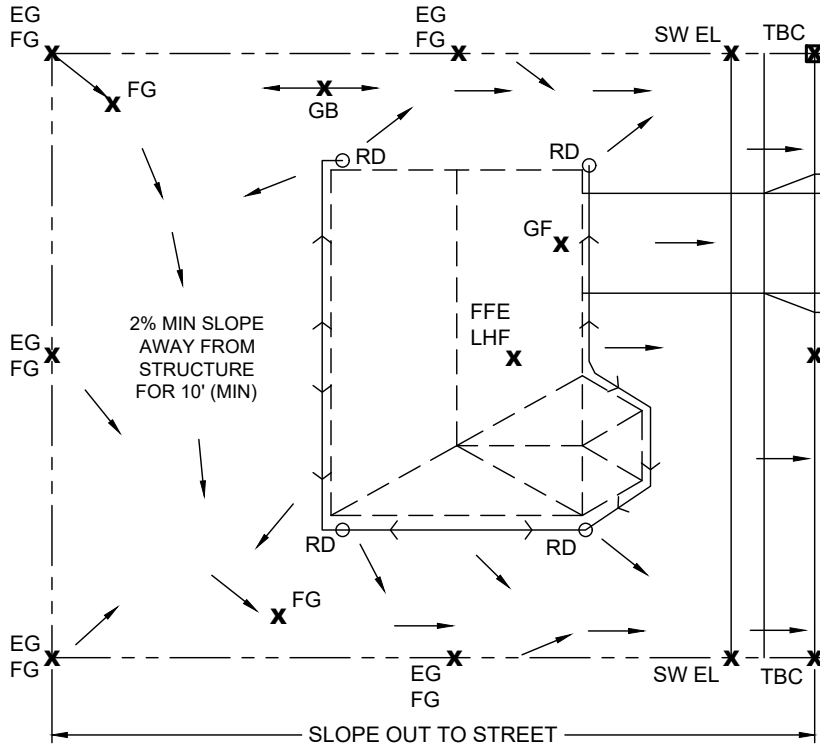


PLAN

NOTES:

1. INSTALL FOUNDATION DRAINS PER APWA SPECIFICATIONS SECTION 33 05 07.
2. ELEVATION OF LOWEST HABITABLE FLOOR TO BE 3' (MIN) ABOVE SEASONAL HIGH GROUNDWATER ELEVATION.

TYPE 1 LOT



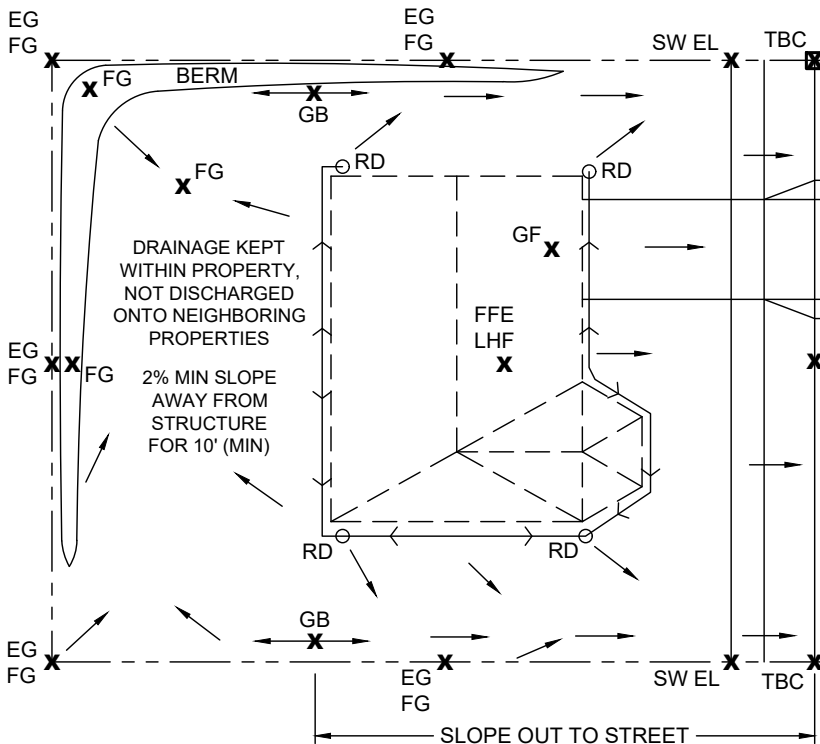
LEGEND

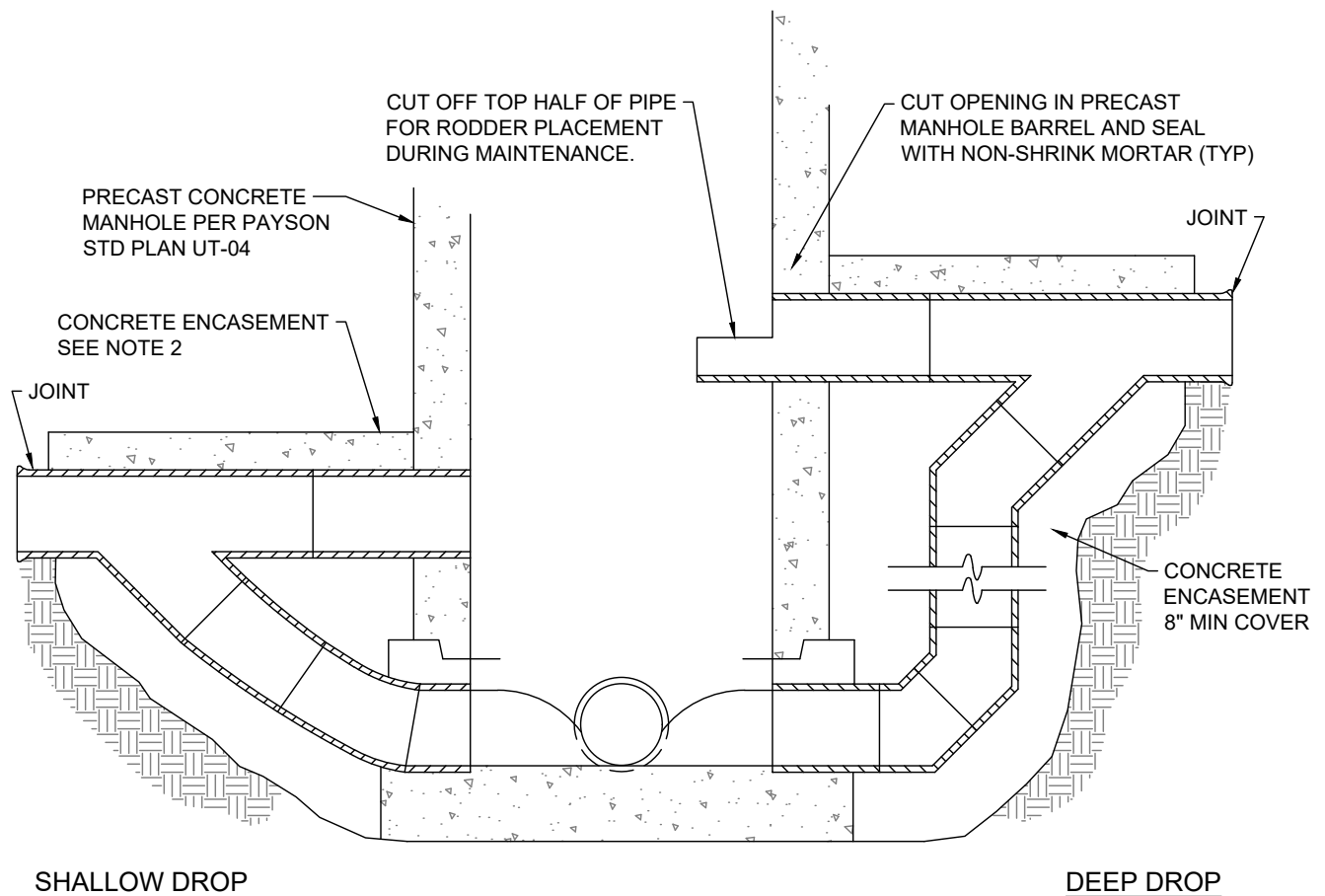
TBC - TOP BACK OF CURB
 GF - GARAGE FLOOR
 FFE - FINISHED FLOOR ELEVATION
 LHF - LOWEST HABITABLE FLOOR
 FG - FINISHED GRADE
 EG - EXISTING GROUND
 SW - SIDEWALK
 EL - ELEVATION
 ○ RD - ROOF DRAIN
 —X— GB - GRADE BREAK
 → FLOW DIRECTION
 ⊠ BENCHMARK

NOTES:

1. IT IS THE RESPONSIBILITY OF THE PROPERTY OWNER TO ENSURE THAT THE PRIVATE DRAINAGE GENERATED WITHIN THE PRIVATE PROPERTY IS ADEQUATELY HANDLED AND DOES NOT CREATE A NUISANCE ON NEIGHBORING PROPERTIES. PROVIDE A SITE GRADING PLAN WITH EXISTING AND FINAL ELEVATION INFORMATION.
2. DRAIN AS MUCH SURFACE FLOWS, ESPECIALLY IMPERVIOUS SURFACES, AS POSSIBLE OUT TO THE STREET FRONTING THE LOT. THIS INCLUDES THE FOLLOWING: ALL FRONT OF BUILDING, AS MUCH ROOF AS POSSIBLE, DRIVEWAY, WALKS, AND SO FORTH. ANY AREAS UNABLE TO BE SLOPED TO THE STREET SHALL BE ADDRESSED WITHIN OWN LOT BOUNDARIES AND NOT DISCHARGED INTO NEIGHBORING PROPERTIES.
3. IDENTIFY EXISTING SPOT ELEVATIONS FOR AT LEAST 5-6 DIFFERENT LOCATIONS, ESPECIALLY ALONG THE PROPERTY BOUNDARY TO ENSURE ADEQUATE TIE IN TO NEIGHBORING PROPERTIES. PROVIDE FINAL GRADE ELEVATIONS FOR SAME SPOTS, SIGNIFICANT GRADE CHANGES, AND OTHER LOCATIONS NECESSARY TO SHOW INTENDED GRADING DESIGN.
4. ANY TIME THERE IS A LOWER LEVEL IN A STRUCTURE A SOILS ENGINEER LETTER IS REQUIRED TO DETERMINE THE GROUND WATER ELEVATIONS RELATIVE TO THE BASEMENT FLOOR. THE FINISHED FLOOR ELEVATION OF THE LOWEST HABITABLE FLOOR MUST BE 3-FEET OF THE SEASONAL HIGH WATER ELEVATION. IDENTIFY ALL TEST HOLE LOCATIONS AND DEPTHS RELATIVE TO THE BENCHMARK.

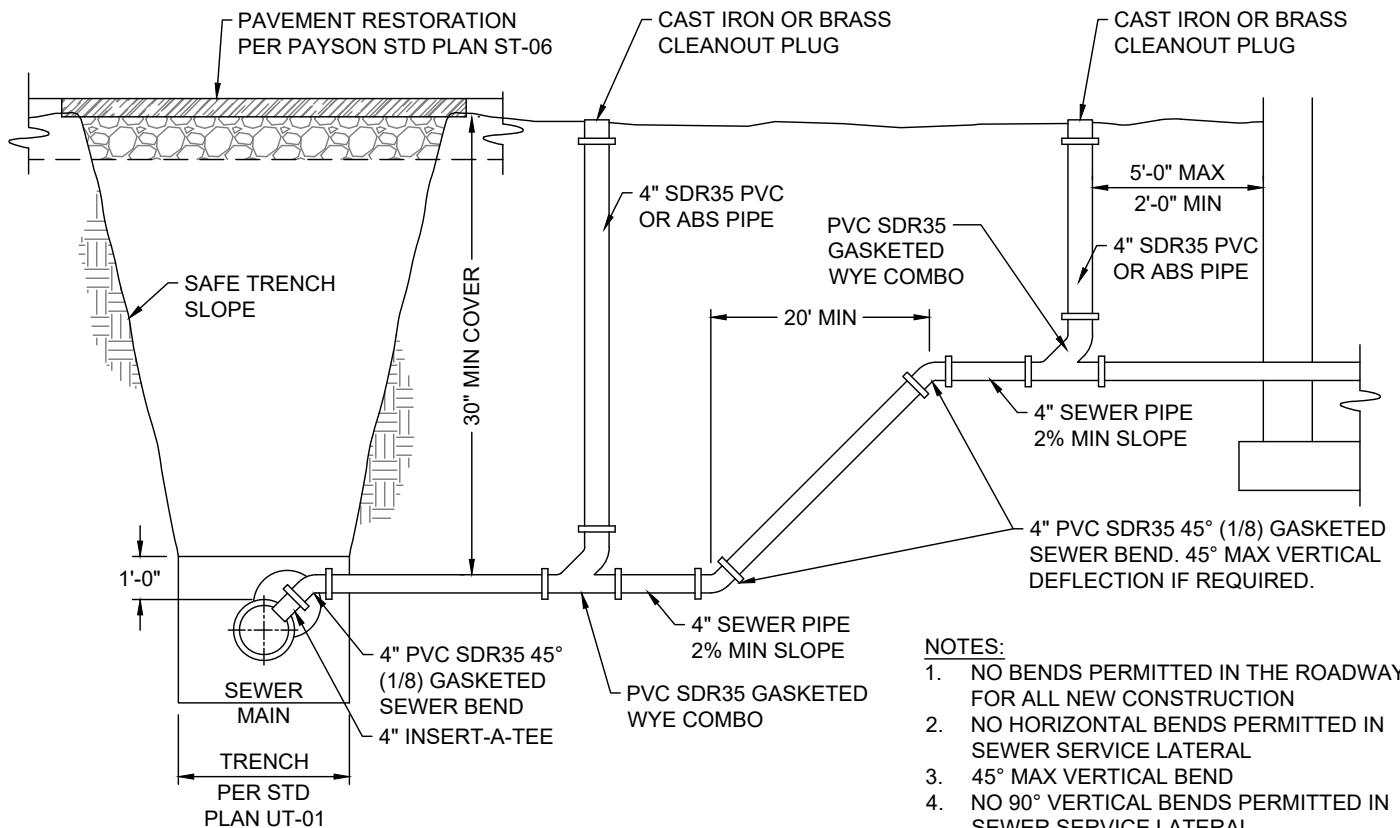
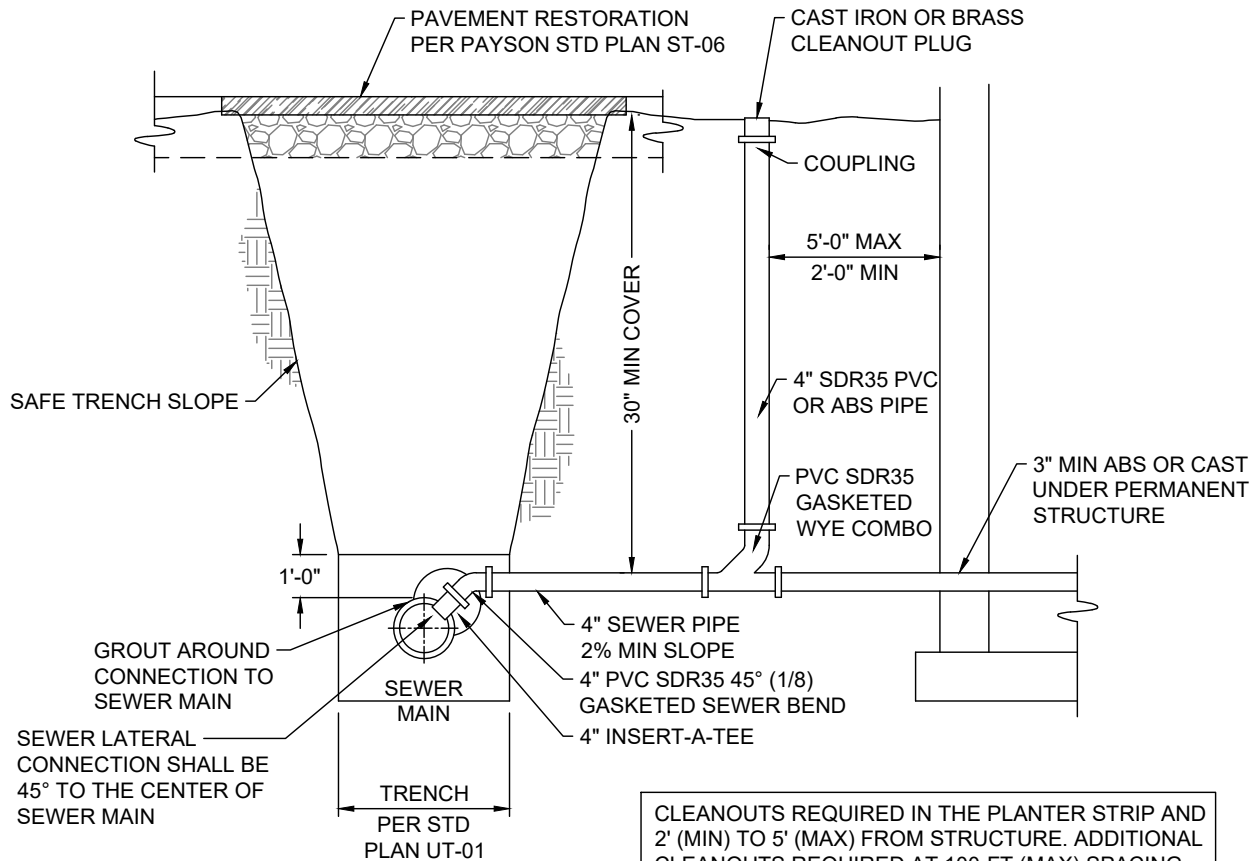
TYPE 2 LOT





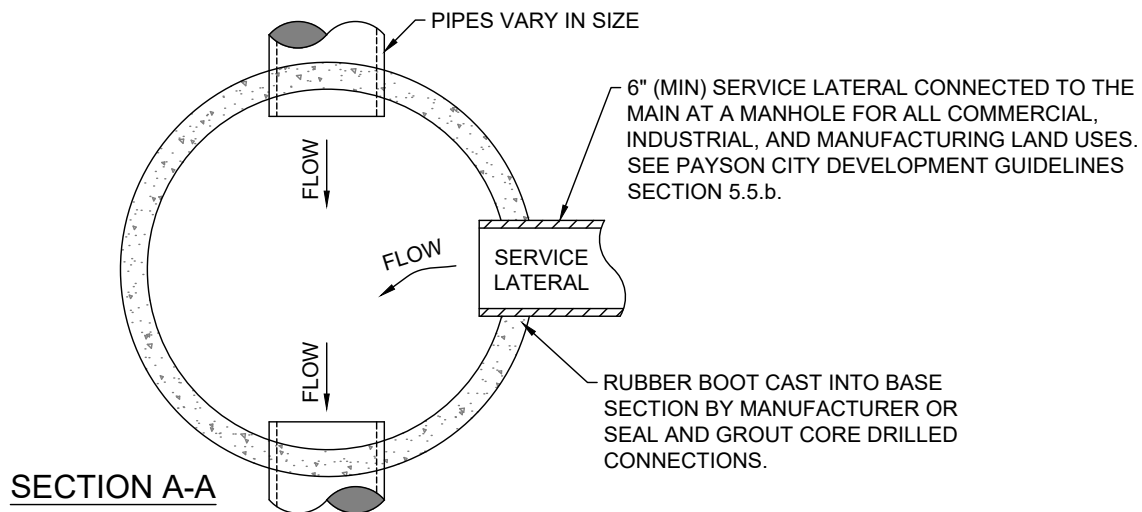
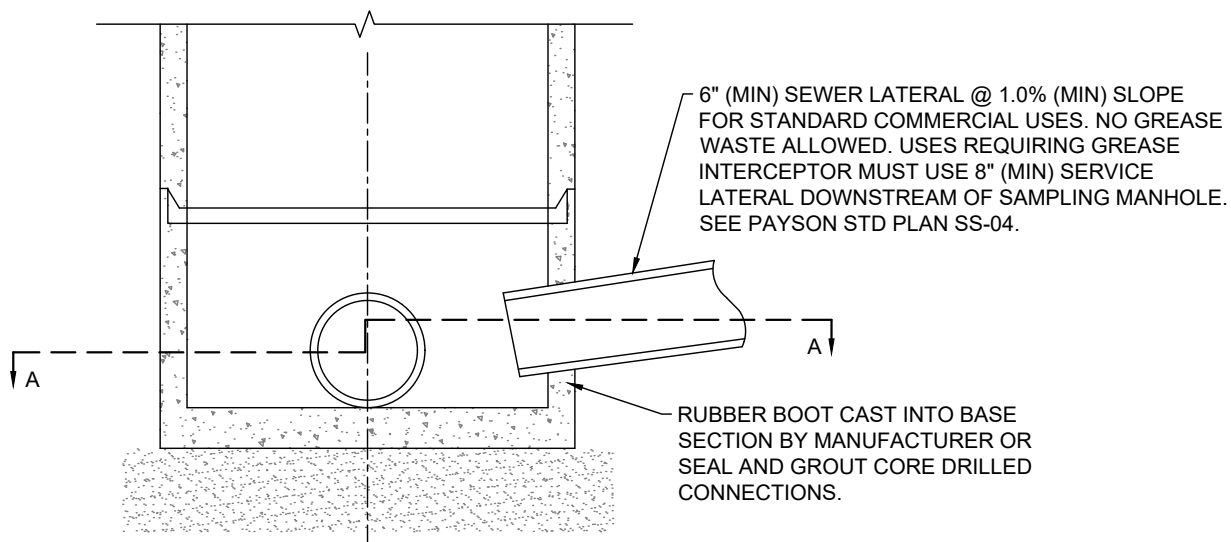
NOTES:

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



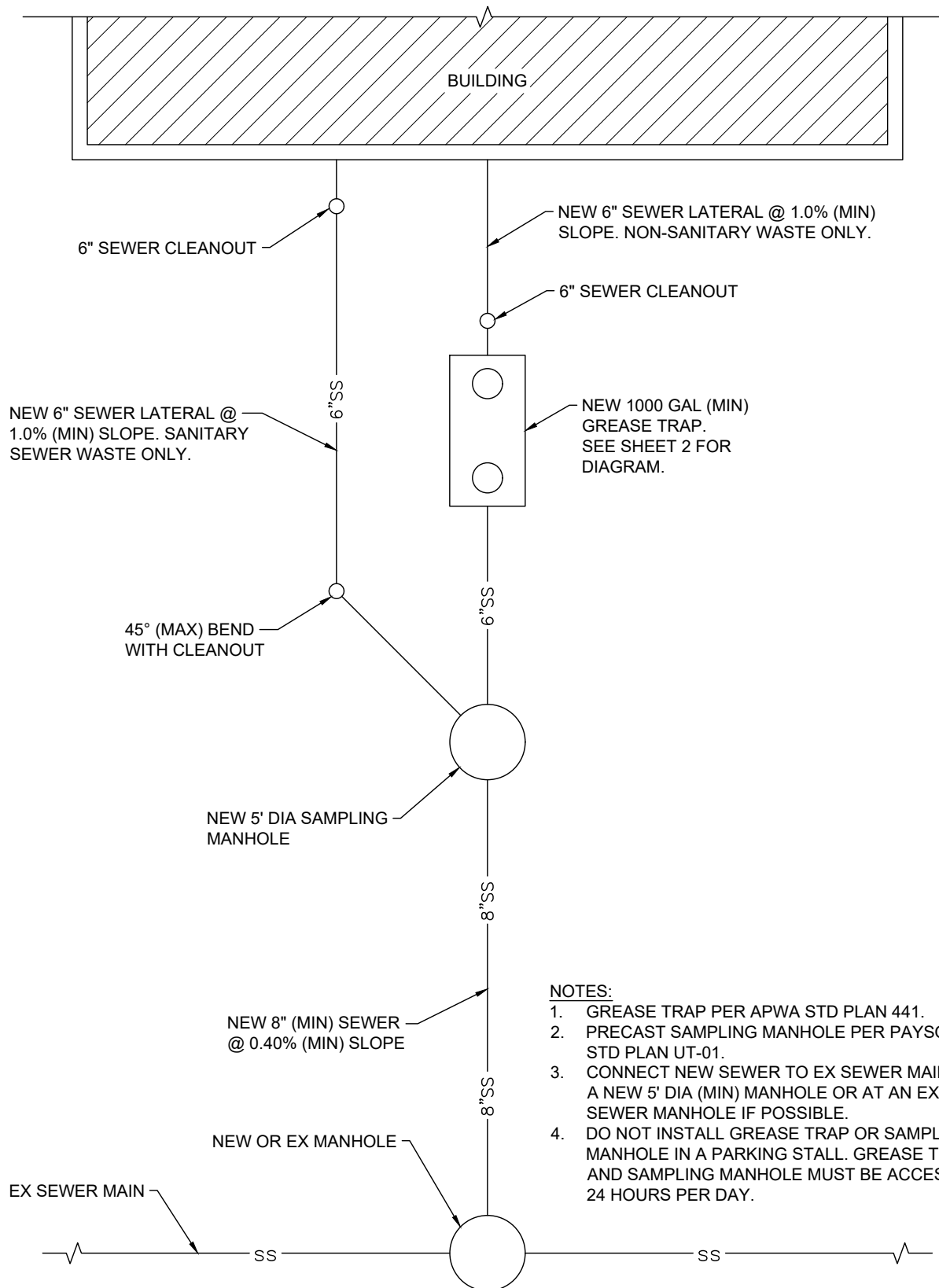
NOTES:

1. NO BENDS PERMITTED IN THE ROADWAY FOR ALL NEW CONSTRUCTION
2. NO HORIZONTAL BENDS PERMITTED IN SEWER SERVICE LATERAL
3. 45° MAX VERTICAL BEND
4. NO 90° VERTICAL BENDS PERMITTED IN SEWER SERVICE LATERAL



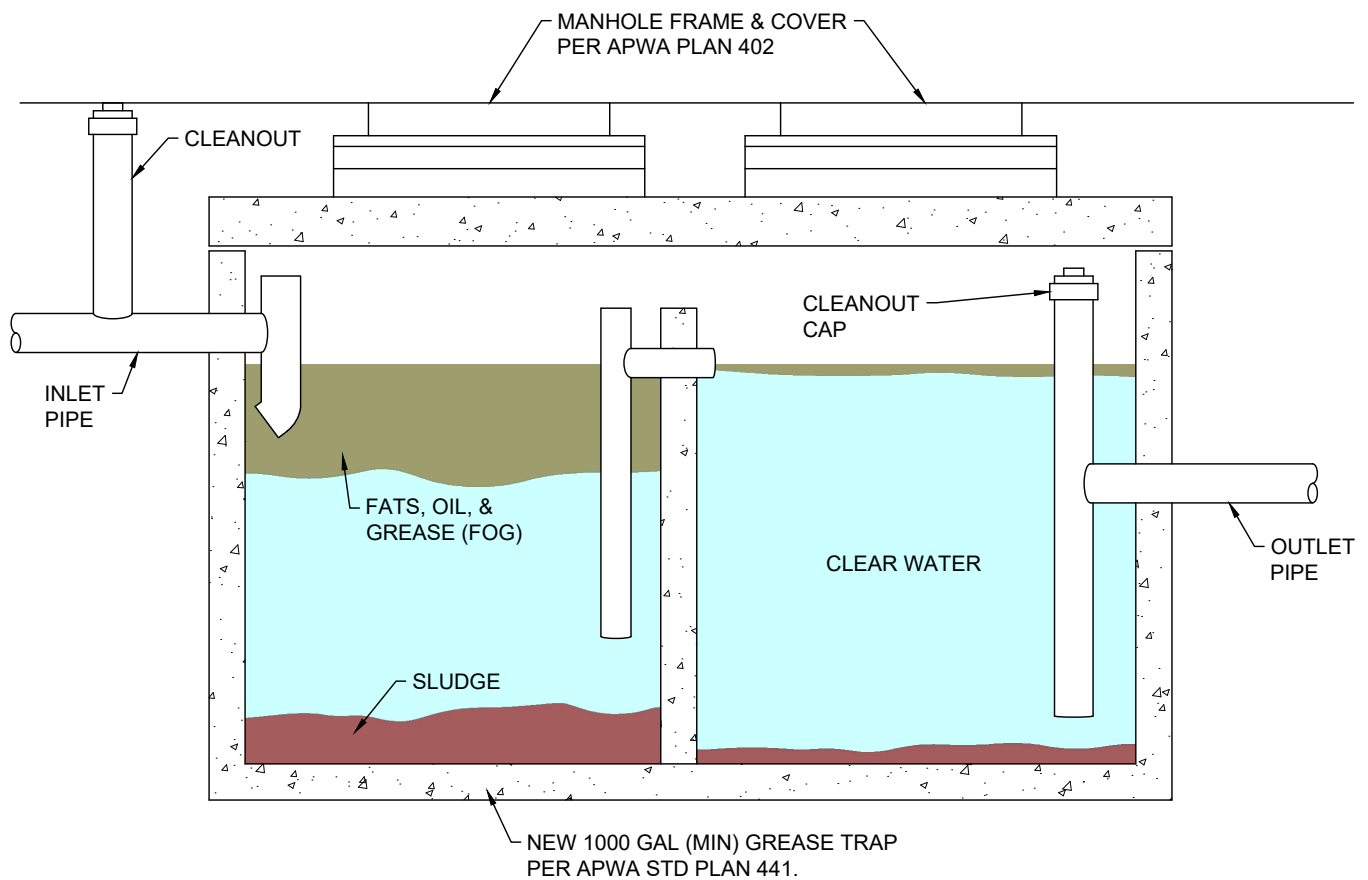
NOTES:

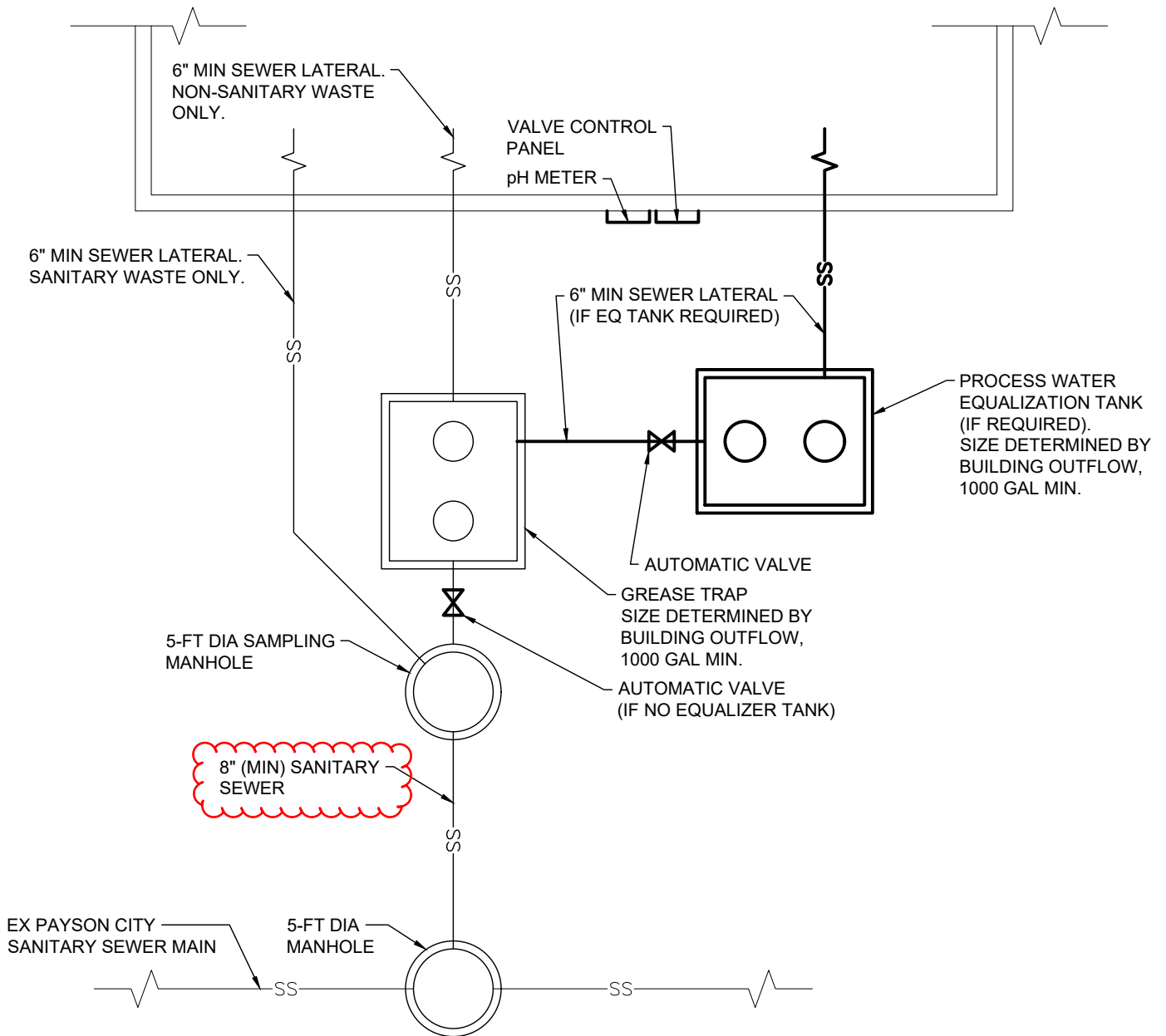
1. MANHOLE BASE AND PRECAST TO CONFORM TO ASTM C478
2. NO 4" LATERAL CONNECTIONS ALLOWED INTO MANHOLES
3. NO REVERSIBLE HARDWARE ALLOWED



NOTES:

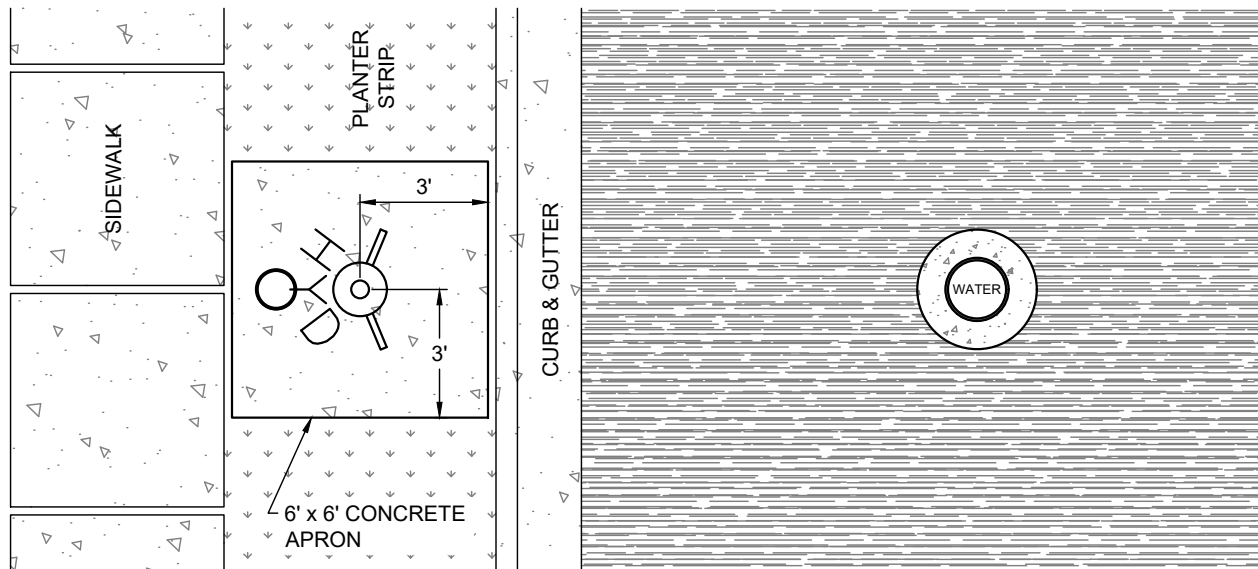
1. GREASE TRAP PER APWA STD PLAN 441.
2. PRECAST SAMPLING MANHOLE PER PAYSON STD PLAN UT-01.
3. CONNECT NEW SEWER TO EX SEWER MAIN WITH A NEW 5' DIA (MIN) MANHOLE OR AT AN EXISTING SEWER MANHOLE IF POSSIBLE.
4. DO NOT INSTALL GREASE TRAP OR SAMPLING MANHOLE IN A PARKING STALL. GREASE TRAP AND SAMPLING MANHOLE MUST BE ACCESSIBLE 24 HOURS PER DAY.



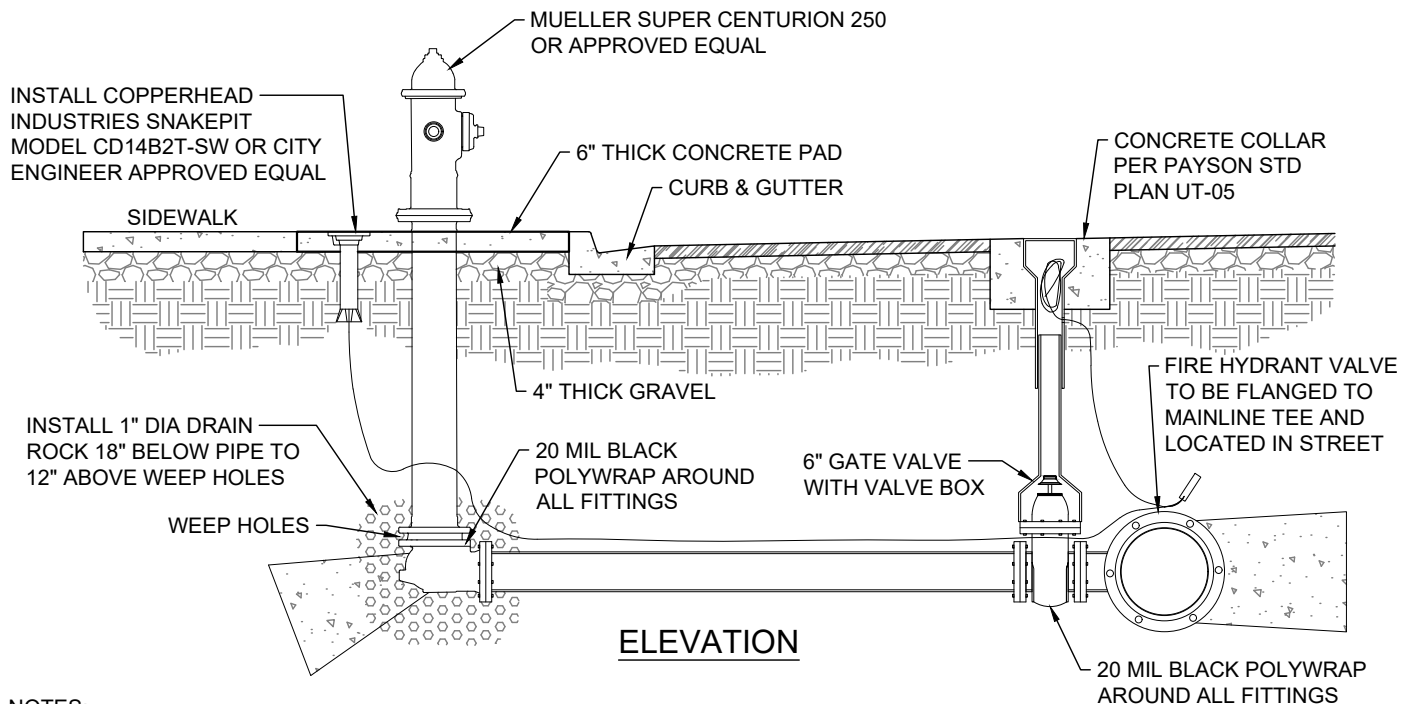


NOTES:

1. DETAIL APPLIES TO ALL FACILITIES THAT PRODUCE WASTEWATER TOO ACIDIC TO BE INTRODUCED INTO THE PAYSON CITY WASTEWATER TREATMENT FACILITY.
2. ALL SEWER STRUCTURES AND MANHOLES DOWNSTREAM OF FACILITY MUST BE ACID RESISTANT.
3. IF REQUIRED, PROCESS WATER TO REMAIN IN EQUALIZATION TANK UNTIL pH REACHES A VALUE WITHIN THE PERMITTED RANGE.
4. IF NO EQUALIZATION TANK IS REQUIRED, CONNECT pH METER TO SAMPLING MANHOLE AND INSTALL AUTOMATIC VALVE ON SEWER LATERAL DOWNSTREAM OF SAMPLING MANHOLE.
5. CONFIGURE VALVE TO CLOSE AUTOMATICALLY IF pH REACHES A VALUE OUTSIDE THE RANGE SPECIFIED ON THE PERMIT.
6. PROCESS WATER TO PASS THROUGH GREASE INTERCEPTOR PRIOR TO RELEASE INTO CITY SEWER SYSTEM.
7. FACILITY REQUIRING PRE-TREATMENT OF PROCESS WATER MUST HAVE CONTINUOUS pH MONITORING AND SUBMIT REPORTS TO THE PAYSON CITY WASTEWATER TREATMENT PLANT AT INTERVALS AS REQUIRED BY THE PRE-TREATMENT PERMIT.
8. PROCESS WATER SAMPLES MUST BE TAKEN IN PERSON BY A REPRESENTATIVE OF PAYSON CITY, AT INTERVALS AS REQUIRED BY THE PRE-TREATMENT PERMIT.
9. FAILURE TO FOLLOW THE PROCEDURES OUTLINED WILL RESULT IN THE ASSESSMENT OF THE MAXIMUM PENALTY ALLOWED BY LAW AND THE FACILITY VIOLATING THESE PROCEDURES WILL BE REPORTED TO THE ENVIRONMENTAL PROTECTION AGENCY (EPA) AND THE DIVISION OF WATER QUALITY (DWQ).
10. ADDITIONALLY THE FACILITY WILL BE DISCONNECTED FROM THE CITY SEWER SYSTEM AND WILL REMAIN SHUT DOWN UNTIL AN APPROPRIATE ALTERNATIVE IS IN PLACE.
11. ALL REQUIRED MAINTENANCE AND TESTING OF PROCESS WATER AND PRE-TREATMENT STRUCTURE AND CONTROLS TO BE AT THE EXPENSE OF THE BUSINESS OWNER.

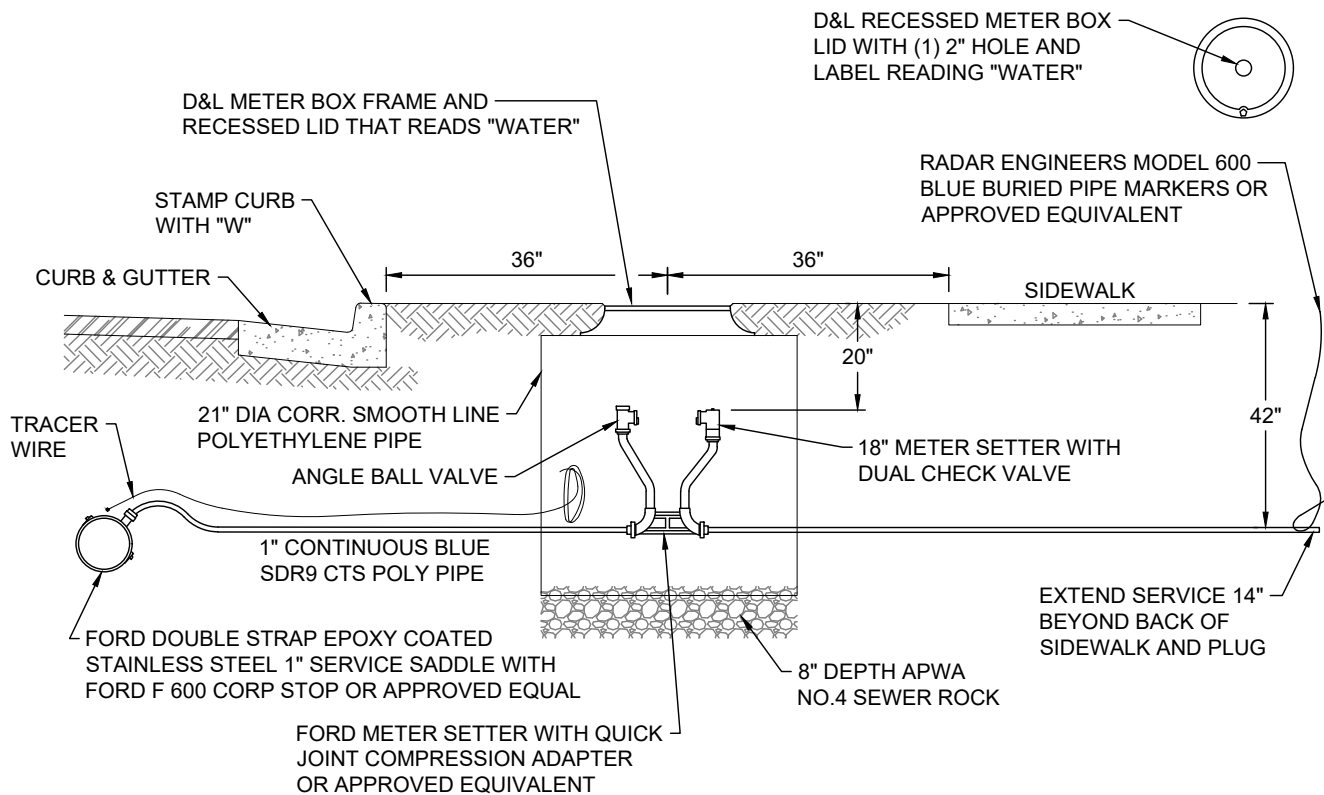


PLAN VIEW



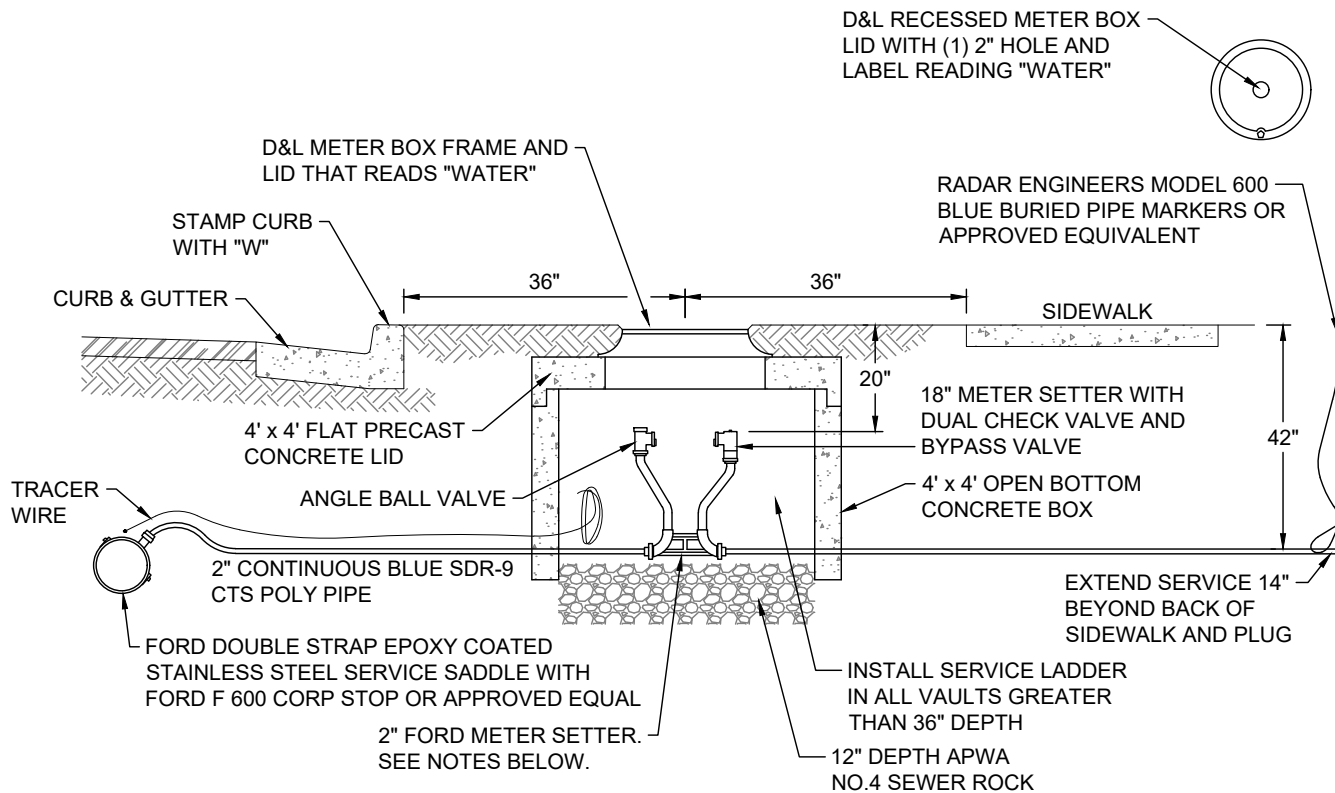
NOTES:

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.
8. ALL EX HYDRANTS 10 YEARS OR OLDER WITHIN THE PROJECT LIMITS MUST BE REPLACED.



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 42" MINIMUM.
7. STANDARD SERVICE SIZE IS 1".
8. STAINLESS STEEL LINER INSERTS REQUIRED INSIDE OF TUBING AT COMPRESSION FITTINGS.
9. ALL FITTINGS SHALL BE COMPATIBLE WITH SERVICE SIZE.
10. 3' MINIMUM OFFSET FROM DRIVEWAYS. **DO NOT ENCLOSE METER BOX IN CONCRETE.**

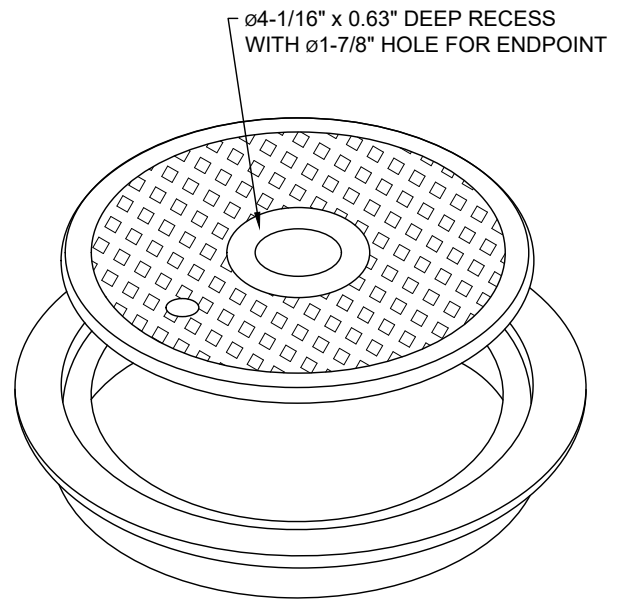
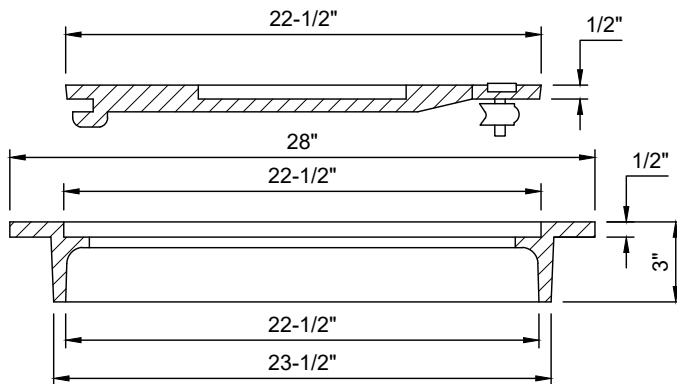


FORD METER SETTER NOTES:

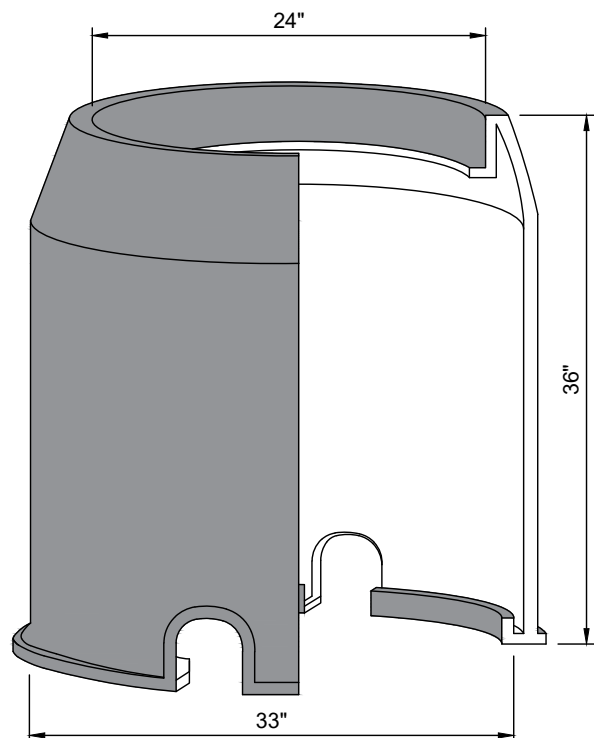
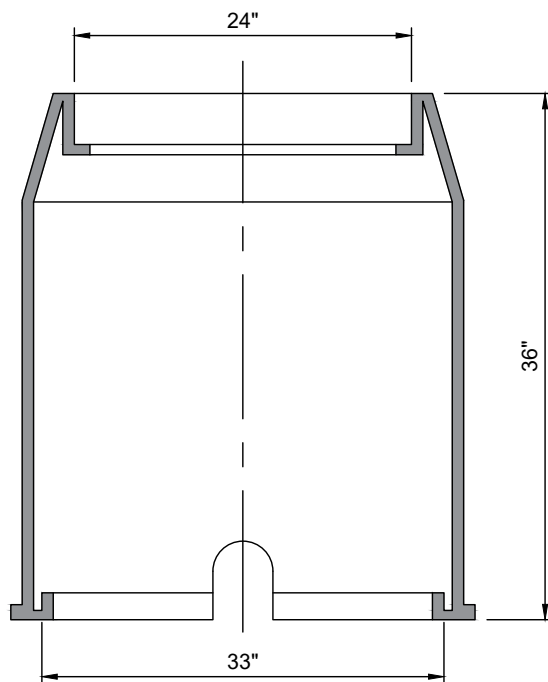
1. ITEM #VBHH77-18B-44-77-NL
2. 2" FORD 70 SERIES COPPERSETTER.
3. 18" SETTER HEIGHT.
4. HORIZONTAL CTS SERVICE LINE CONNECTION AT INLET AND OUTLET.
5. BALL VALVE INLET AND ANGLE DUAL CHECK VALVE OUTLET.
6. STANDARD SETTER WITH BYPASS AND 17" METER GAP IS REQUIRED.

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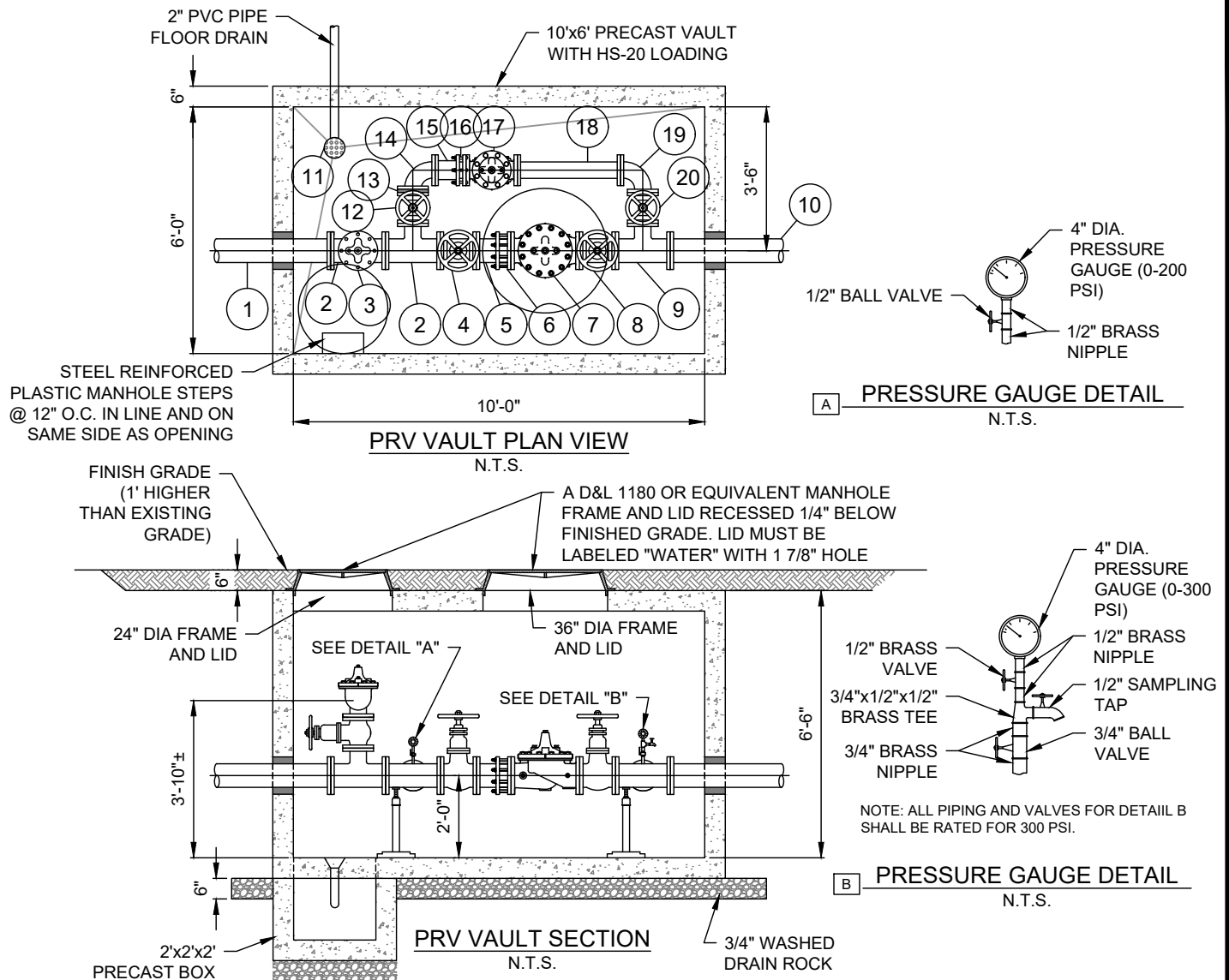
D&L SUPPLY B-5024 FRAME AND LID



RAVEN METER PIT 243336-FB-W

NOTES:

1. THIS DETAIL IS ONLY FOR USE IN APPLICATIONS WHERE THE CULINARY WATER METER IS INSTALLED IN CONCRETE OR ASPHALT PAVEMENT.
2. STANDARD METER BOXES ORIGINALLY INSTALLED IN LANDSCAPED LOCATIONS WHICH ARE BEING CHANGED TO HARDSCAPE MUST BE REPLACED WITH A TRAFFIC RATED RAVEN METER PIT AND D&L SUPPLY LID WITH RECESSED HOLE FOR SENSUS TRANSMITTER DEVICE MEETING THE SPECIFICATIONS OF THE ABOVE DETAIL OR A CITY ENGINEER APPROVED EQUAL.
3. INSTALL METER BOX SO FRAME AND LID ARE FLUSH WITH THE FINISHED PAVEMENT ELEVATION.

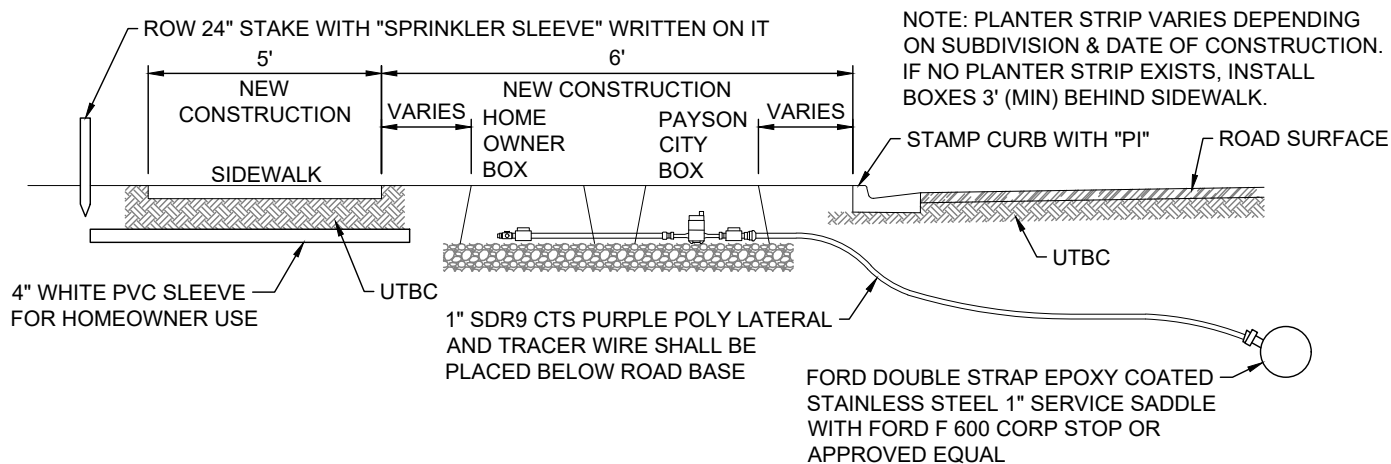


VALVE & FITTING SCHEDULE

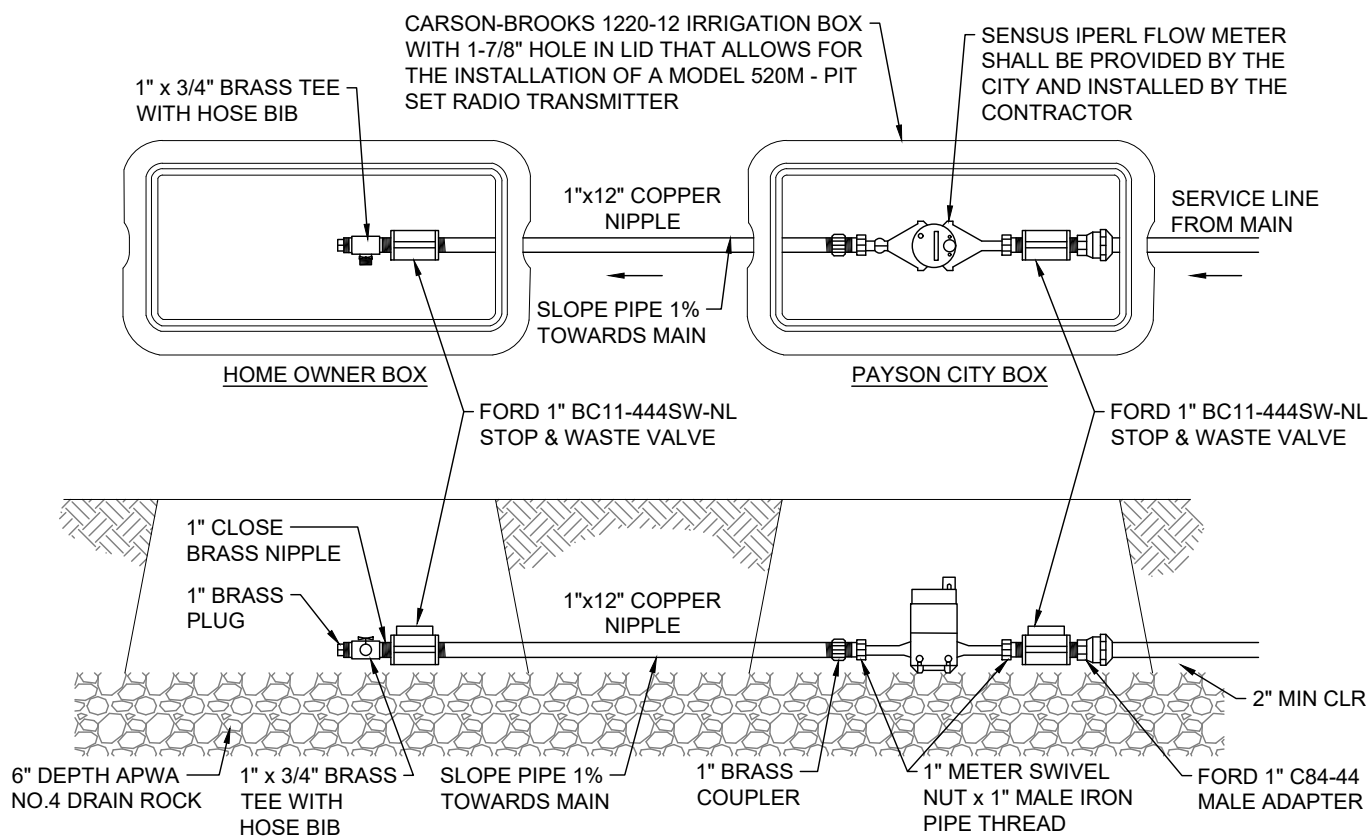
| NO. | DESCRIPTION | SIZE | JOINT |
|-----|---|---------|-----------------|
| 1 | DIP NIPPLE | 6" | FLG x PE (125#) |
| 2 | REDUCING TEE | 6" x 4" | FLG (125#) |
| 3 | PRESSURE RELIEF VALVE (CLA-VAL 50-01) | 4" | FLG (ANSI 150#) |
| 4 | GATE VALVE | 6" | FLG (150#) |
| 5 | DIP NIPPLE | 6" | FLG x PE (125#) |
| 6 | FLANGE COUPLING ADAPTER | 6" | FLG (250#) |
| 7 | PRESSURE REDUCING VALVE (CLA-VAL 90-01) | 6" | FLG (ANSI 300#) |
| 8 | GATE VALVE (RESILIENT SEAT) | 6" | FLG (250#) |
| 9 | REDUCING TEE | 6" x 4" | FLG (250#) |
| 10 | DIP NIPPLE | 6" | FLG x PE (250#) |
| 11 | FLOOR DRAIN (ZURN Z-960) | 6" x 2" | MJ |
| 12 | GATE VALVE (RESILIENT SEAT) | 4" | FLG (150#) |
| 13 | SPACER - LENGTH AS REQUIRED | 4" | N/A |
| 14 | 90° ELBOW | 4" | FLG (125#) |
| 15 | DIP NIPPLE | 4" | FLG x PE (125#) |
| 16 | FLANGE COUPLING ADAPTER | 4" | FLG (250#) |
| 17 | PRESSURE REDUCING VALVE (CLA-VAL 690-01) | 4" | FLG (ANSI 300#) |
| 18 | SPOOL | 4" | PE x FLG (250#) |
| 19 | 90° ELBOW | 4" | FLG (250#) |
| 20 | GATE VALVE (RESILIENT SEAT) | 4" | FLG (250#) |
| 21 | GATE VALVE (RESILIENT SEAT) | 4" | FLG (150#) |
| 22 | PIPE SUPPORT (STANDON MODEL S92 - 4 REQUIRED) | | SIZE FOR PIPE |

NOTES:

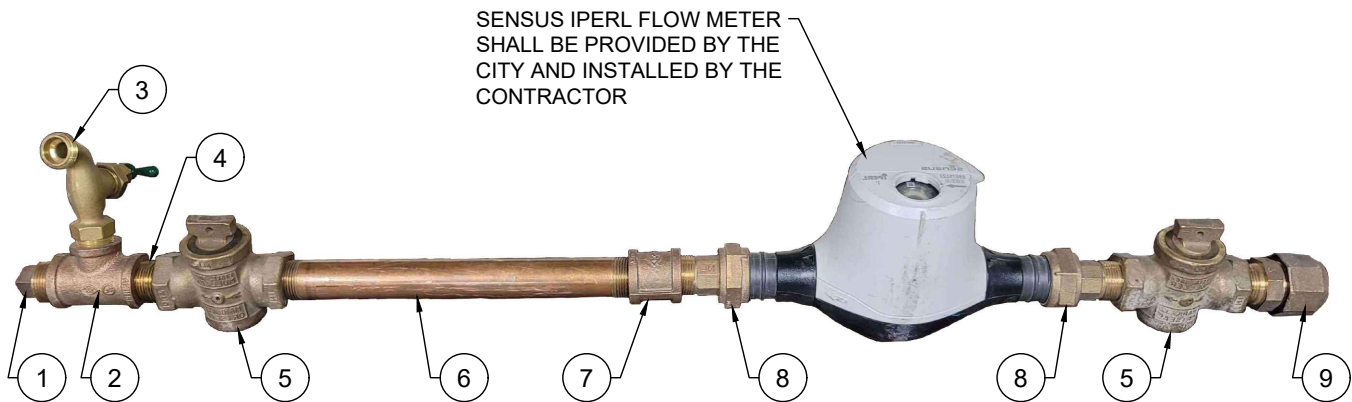
1. RESTRAIN ALL JOINTS.
2. SLOPE FLOOR TO DRAIN
3. CLA-WALS TO HAVE SS TRIM



SERVICE TAP



SERVICE METER CONFIGURATION

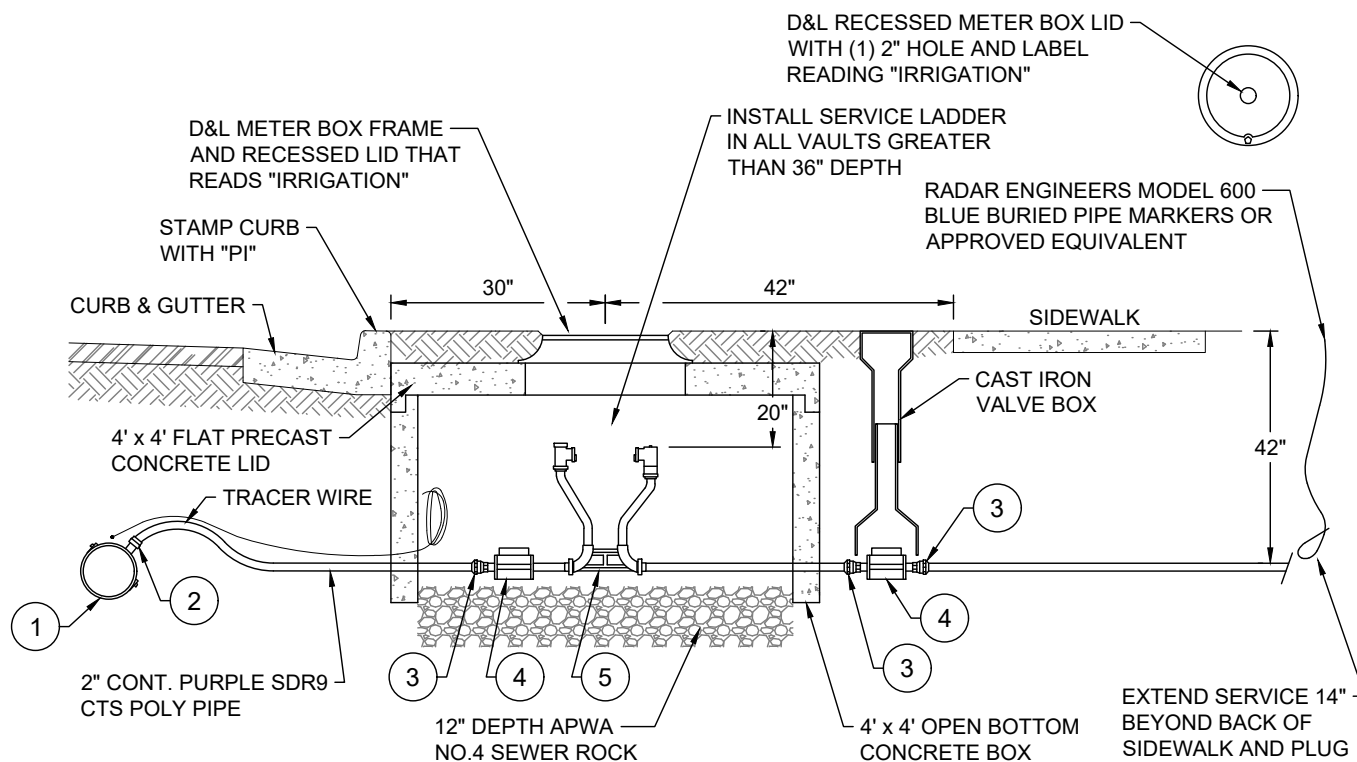


SERVICE METER ASSEMBLED CONFIGURATION

| PARTS LIST | | | |
|------------|-----|--|---------------|
| ITEM | QTY | DESCRIPTION | FORD PART # |
| 1 | 1 | 1" BRASS PLUG | CSP-4-I-NL |
| 2 | 1 | 1" x 3/4" BRASS TEE | T111-443-NL |
| 3 | 1 | 3/4" BRASS HOSE BIB | - |
| 4 | 1 | 1" CLOSE BRASS NIPPLE | C88-44-NL |
| 5 | 2 | 1" BRASS STOP & WASTE VALVE | BC11-444SW-NL |
| 6 | 1 | 1" x 12" COPPER NIPPLE | - |
| 7 | 1 | 1" BRASS COUPLER | C11-44-NL |
| 8 | 2 | 1" METER SWIVEL NUT x 1" MALE IRON PIPE THREAD | C38-44-NL |
| 9 | 1 | 1" MALE ADAPTER | C84-44-Q-NL |

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.**



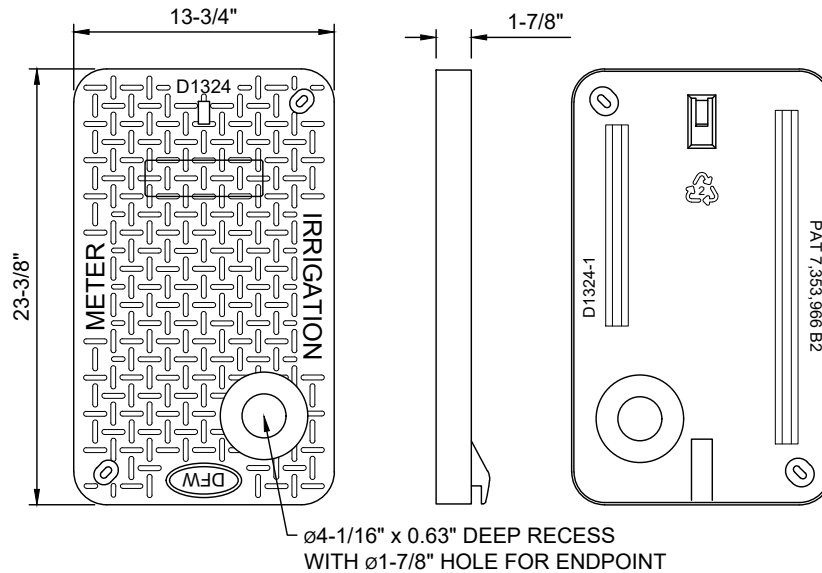
FORD PART LIST

| NOTE # | DESCRIPTION | 2" PART # |
|--------|--|---------------------|
| 1 | DOUBLE STRAP EPOXY COATED STAINLESS STEEL SERVICE SADDLE | F202-XXX-CC7 |
| 2 | CORP STOP | F600-7-G-NL |
| 3 | MALE ADAPTER | C84-77-Q-NL |
| 4 | STOP AND WASTE | B44-777SW-Q-NL |
| 5 | 18" METER SETTER | VBHH77-18B-44-77-NL |

1. USE ONLY FORD PARTS OR CITY ENGINEER APPROVED EQUIVALENTS.
2. UTILIZE STANDARD METER SETTER CONFIGURATION WITH 17" METER GAP AND BYPASS.

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. STAINLESS STEEL LINER INSERTS REQUIRED INSIDE OF TUBING AT COMPRESSION FITTINGS.
8. ALL FITTINGS SHALL BE COMPATIBLE WITH SERVICE SIZE.
9. SERVICE LATERAL SHALL SLOPE TOWARDS PRESSURIZED IRRIGATION MAIN.
10. SPRINKLER SLEEVE SHALL NOT BE IN LINE WITH ANY UTILITY BOXES.
11. NO OTHER CONNECTIONS OR EQUIPMENT ARE PERMITTED BY CONTRACTOR OR HOME OWNER INSIDE PAYSON CITY BOX.

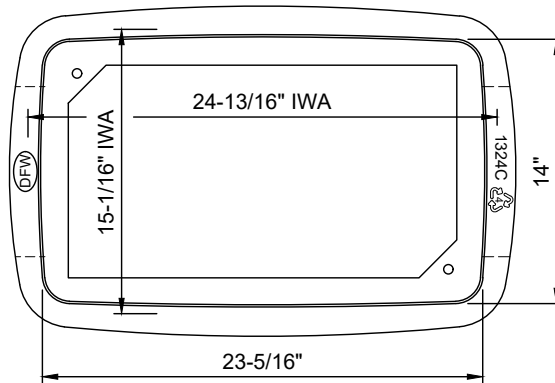


DFW1324C-4T 63D-LID

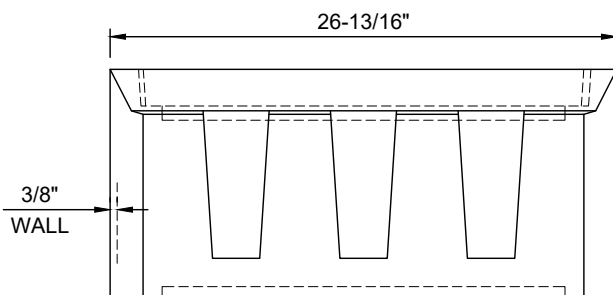
NOTES:

1. DIMENSIONS $\pm 1/8$ " UNO
2. LID MATERIAL: HDPE
3. BODY MATERIAL: LLDPE
4. WALL THICKNESS: 3/8" MIN
5. IWA = INSIDE WORK AREA

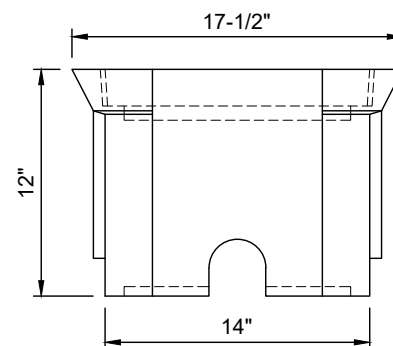
| LID KEY | |
|---------|-------------|
| 4 | GRAY COLOR |
| T | MOLDED HOLE |
| 63D | SENSUS 520 |



DFW1324C4-12-4T 63D

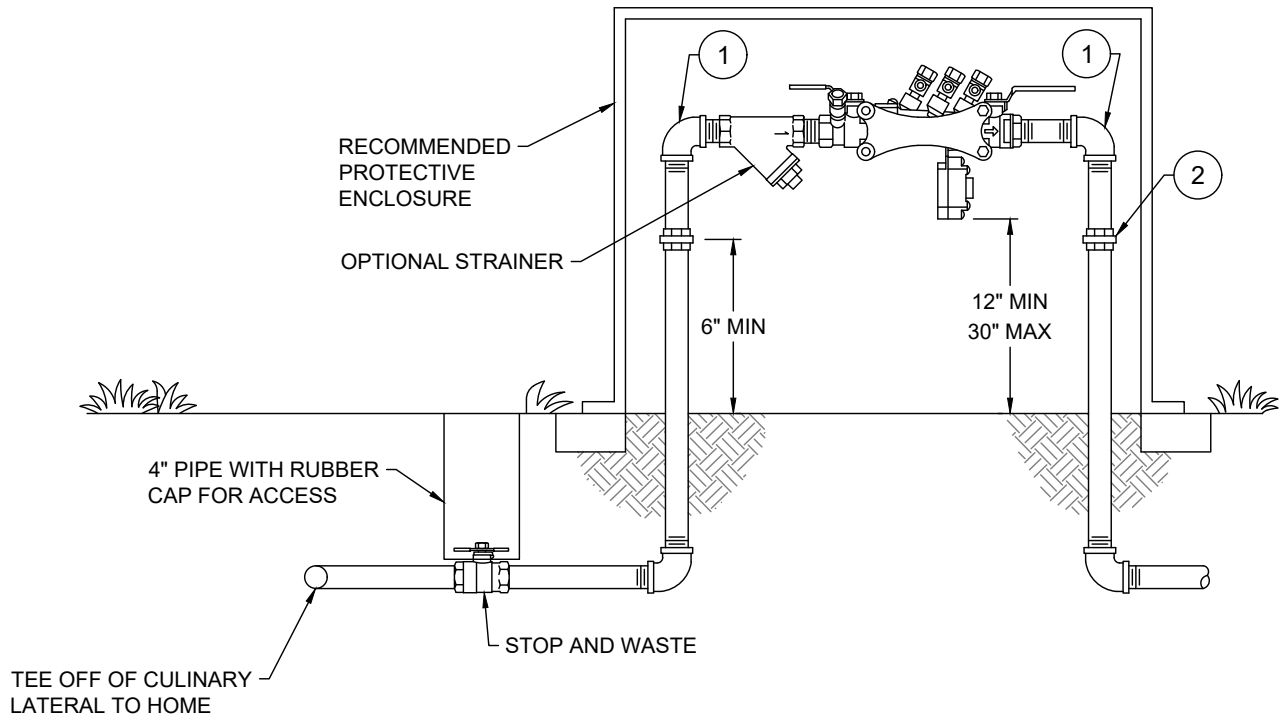


DFW1324C4-12-BODY



NOTES:

1. THIS DETAIL IS ONLY FOR USE IN APPLICATIONS WHERE THE PRESSURIZED IRRIGATION METER IS INSTALLED IN CONCRETE OR ASPHALT PAVEMENT.
2. STANDARD METER BOXES ORIGINALLY INSTALLED IN LANDSCAPED LOCATIONS WHICH ARE BEING CHANGED TO HARDSCAPE MUST BE REPLACED WITH A TRAFFIC RATED DFW METER BOX AND LID WITH RECESSED HOLE FOR SENSUS TRANSMITTER DEVICE MEETING THE SPECIFICATIONS OF THE ABOVE DETAIL OR A CITY ENGINEER APPROVED EQUAL.

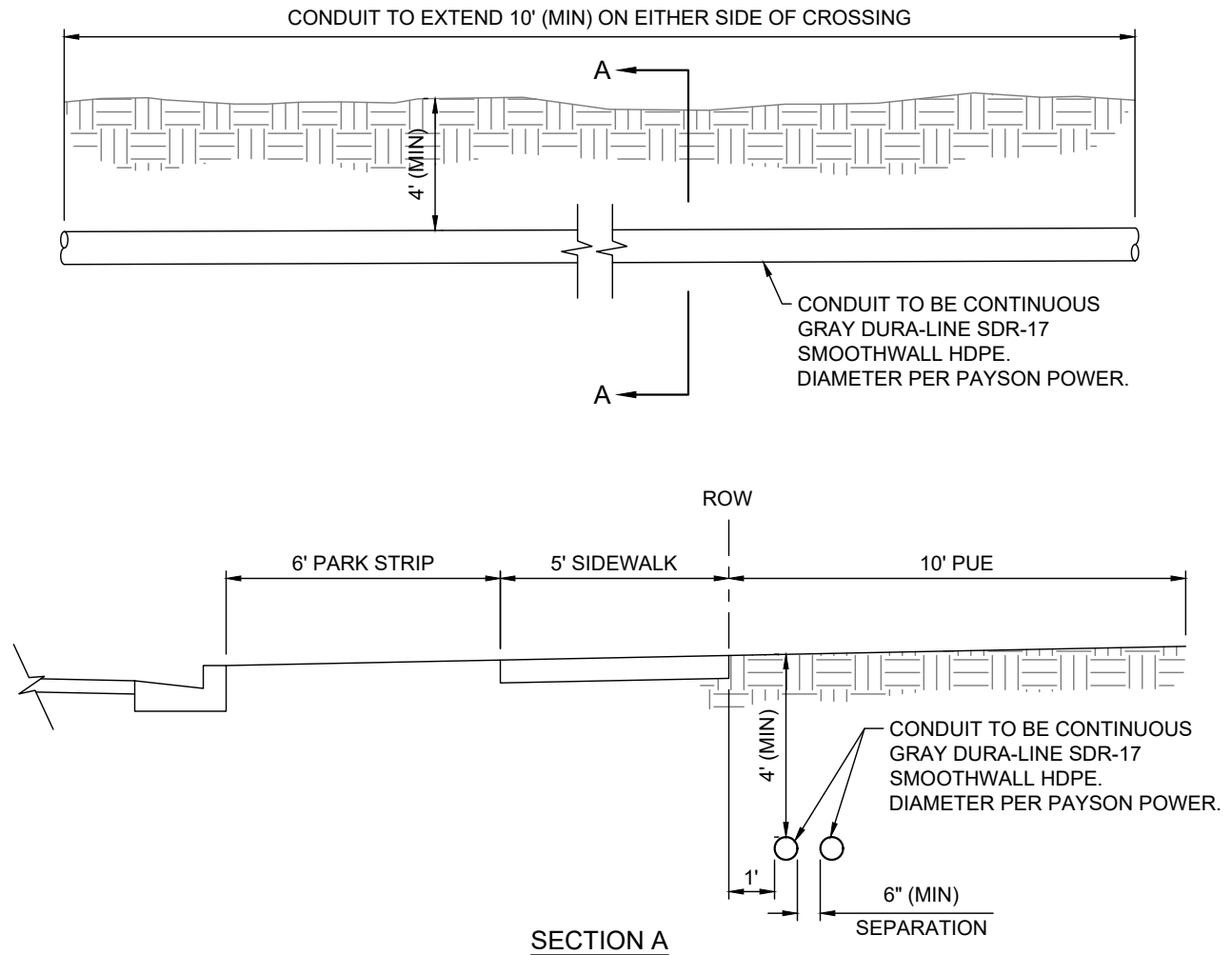


DIRECTION OF FLOW ➡

OUTDOOR INSTALLATION

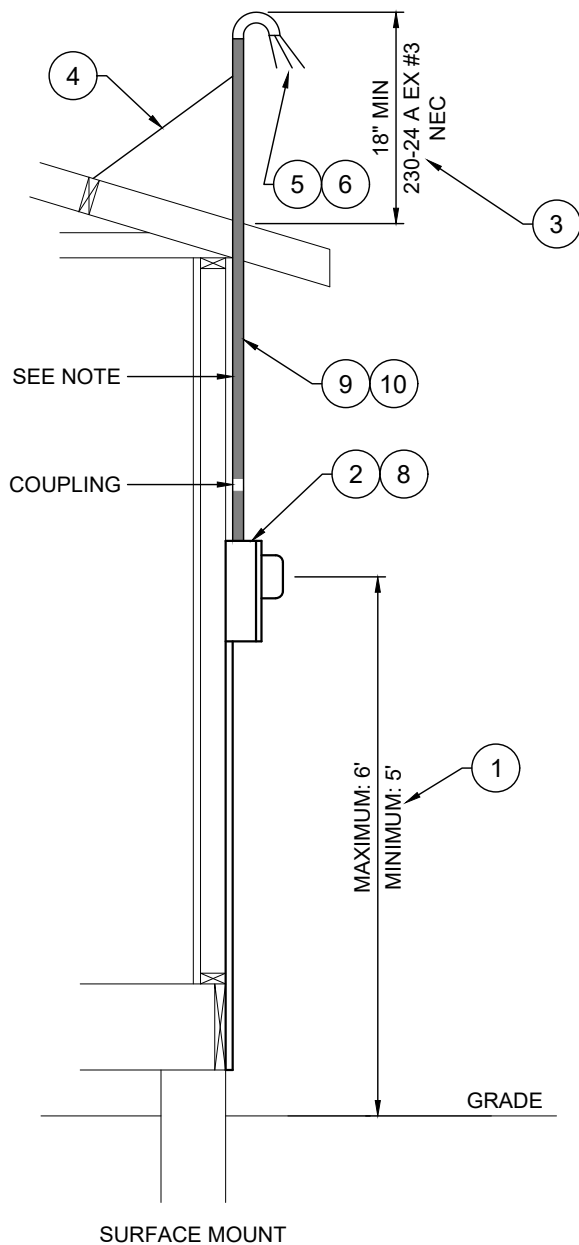
NOTES:

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.



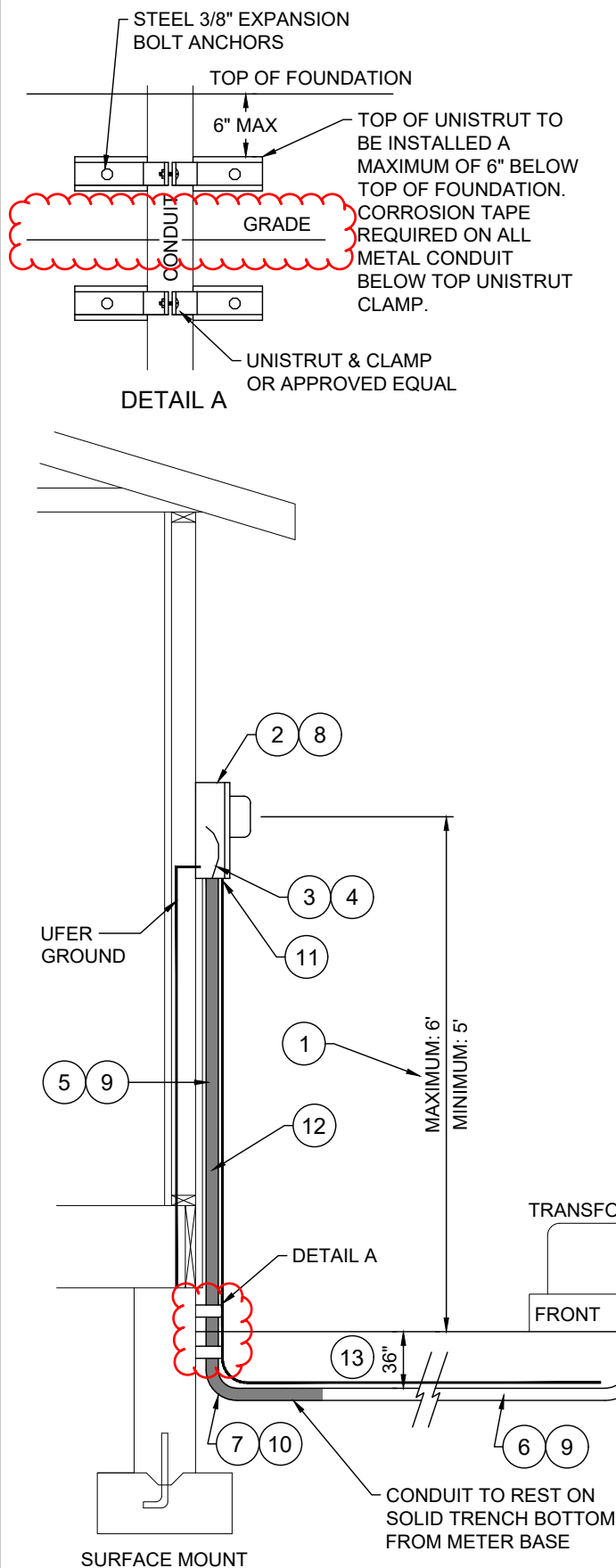
NOTES:

1. CONDUIT TO BE CONTINUOUS AND EXTEND 10' MINIMUM BEYOND EACH SIDE OF CROSSING.
2. BORING PIPE TO BE GRAY DURA-LINE SDR-17 SMOOTHWALL HDPE.
3. DIAMETER OF CONDUIT TO BE AT THE DIRECTION OF PAYSON POWER.
4. DEPTH OF CONDUIT TO BE 4' MINIMUM FROM GROUND SURFACE FINAL GRADE TO THE TOP OF PIPE OR 18" MINIMUM FROM BOTTOM OF CROSSING FEATURE TO THE TOP OF PIPE.



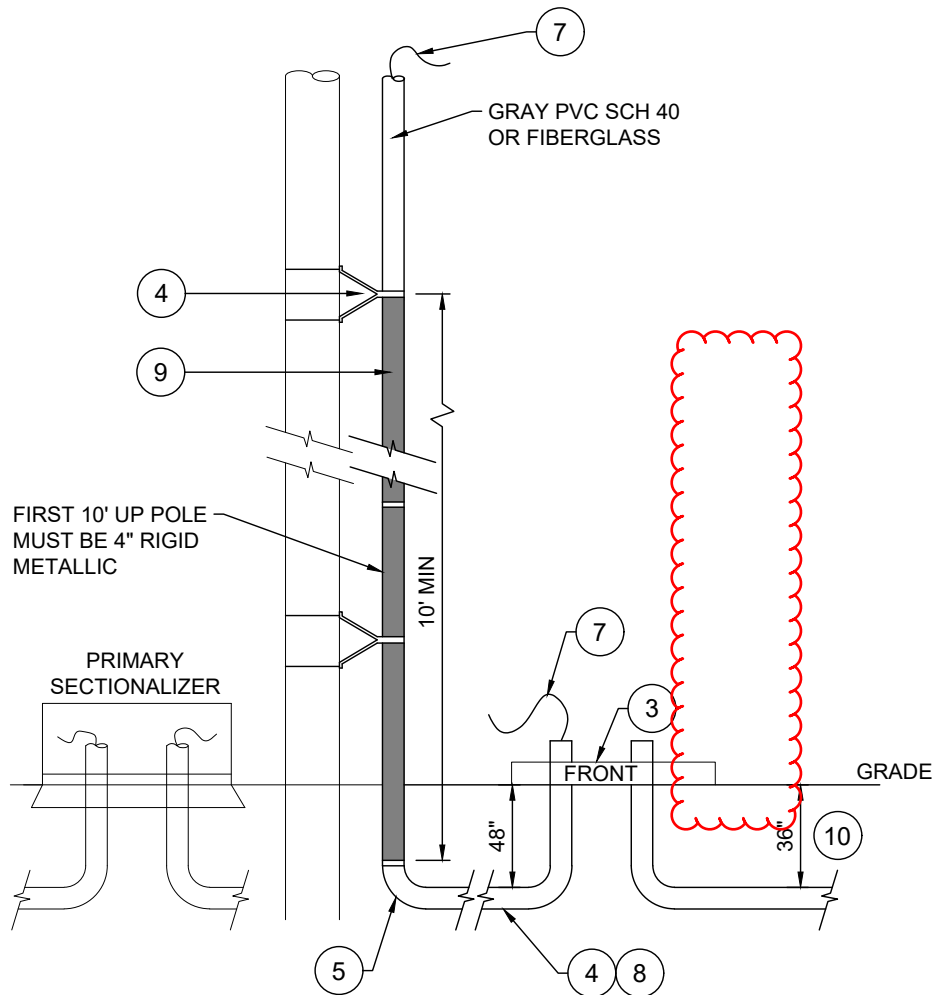
NOTES:

1. HEIGHT OF METER 5'-6" AND NOT TO EXCEED 6', AND NOT LOWER THAN 5'.
2. METER BASE (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. SINGLE PHASE CONDUCTORS, FURNISHED AND INSTALLED BY CONTRACTOR, TO EXTEND 18" FROM THE WEATHER HEAD AND SHALL COMPLY WITH THE NATIONAL ELECTRIC CODE (NEC).
 - 100 AMP 1/0 URD TRIPLEX
 - 125 AMP 1/0 URD TRIPLEX
 - 150 AMP 2/0 URD TRIPLEX
 - 200 AMP 4/0 URD TRIPLEX
 OXIDE INHIBITING COMPOUND SHALL BE USED ON ALL ALUMINUM CONNECTIONS.
6. THREE PHASE CONDUCTORS, FURNISHED AND INSTALLED BY CONTRACTOR, TO EXTEND 18" FROM THE WEATHER HEAD AND SHALL COMPLY WITH THE NATIONAL ELECTRIC CODE (NEC). NO COLORED TAPE ALLOWED. WIRE MUST BE COLORED PER INDUSTRY STANDARD FOR IDENTIFICATION, SIZED, AND UV RATED PER NEC.
7. ALL METAL TERMINATIONS SHALL HAVE BOLT ON METER BASE HUB.
8. PAYSON CITY POWER WILL FURNISH AND INSTALL METERS.
9. MIN. CONDUIT SIZES:
 - 2" - CONDUIT FOR 100 AMP SERVICE.
 - 2" - CONDUIT FOR 200 AMP SERVICE.
 - 3" - CONDUIT FOR 3 PHASE, 200 AMP SERVICE.
10. ALL SHADED AREA WILL BE RIGID METALLIC CONDUIT OR IMC.
11. NO COUPLING WITHIN 10' OF WEATHER HEAD.
12. IF UFER IS UNAVAILABLE (2) 5/8"x8' GROUND RODS SET 6' APART MUST BE INSTALLED.



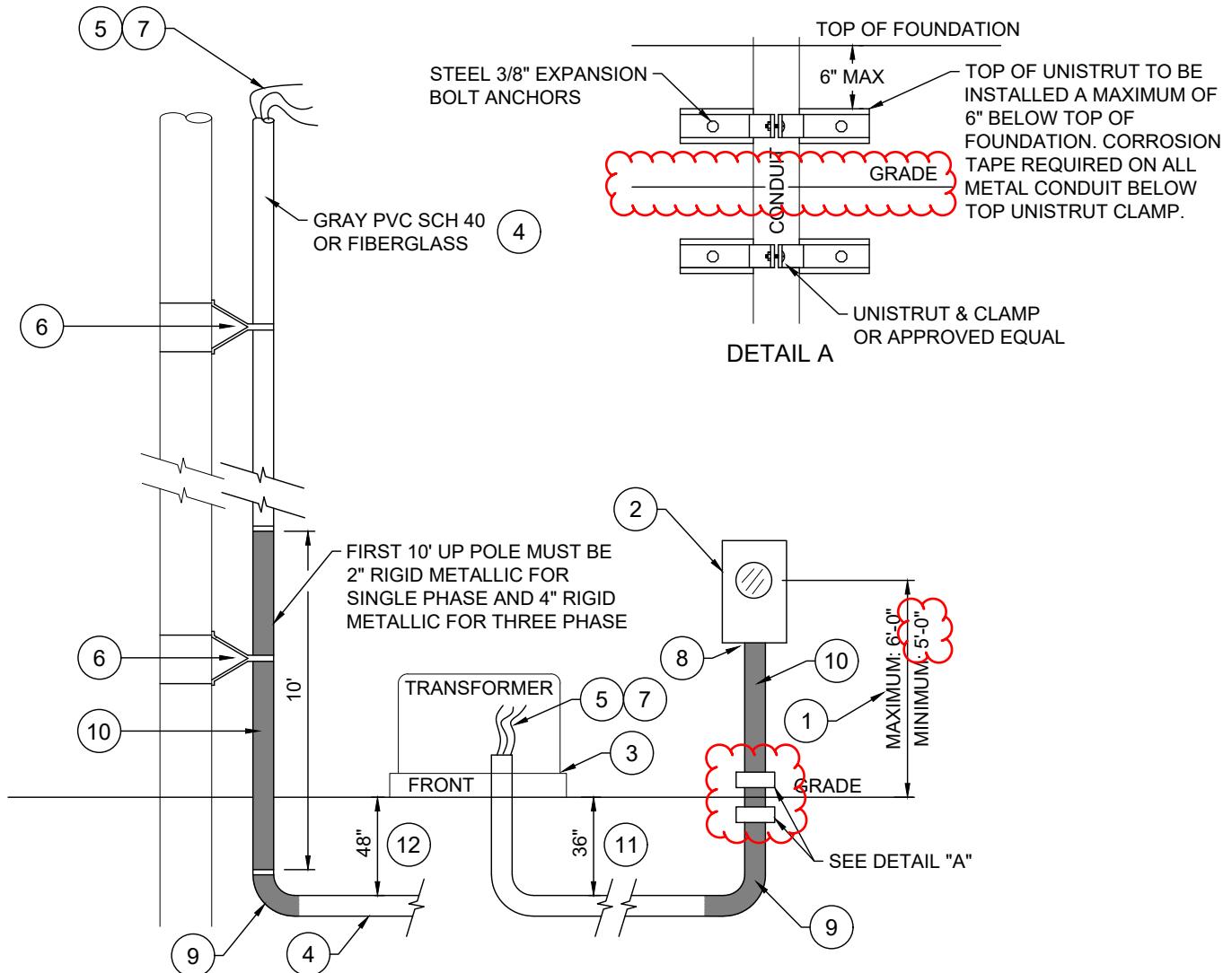
NOTES:

1. HEIGHT OF METER 5'-6" AND NOT TO EXCEED 6', AND NOT LOWER THAN 5'.
2. METER BASE. (A MANUAL BYPASS IS REQUIRED ON 3 PHASE).
3. MINIMUM SIZE SERVICE WIRE FURNISHED AND INSTALLED 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. NO COLORED TAPE ALLOWED. WIRE MUST BE COLORED PER INDUSTRY STANDARD FOR IDENTIFICATION AND SIZED BY THE UTILITY.
5. CONDUIT TO BE RIGID METALLIC OR IMC FROM GROUND TO METER BASE, (MIN 2") FURNISHED AND INSTALLED BY CONTRACTOR.
6. CONDUIT FROM BUILDING TO CONNECTION POINT WILL BE GRAY PVC-SCH. 40, OR APPROVED EQUAL. ALL SERVICE CONDUIT MUST MEET PAYSON POWER STANDARDS AND THE NATIONAL ELECTRICAL SAFETY CODE. CONDUIT TO BE FURNISHED AND INSTALLED BY CONTRACTOR.
7. 36" SWEEP 90° ELBOW BELOW METER BASE WILL BE RIGID OR IMC. ALL ADDITIONAL 90° ELBOWS WILL BE PREFABRICATED FIBER GLASS 36" SWEEPS.
8. PAYSON CITY POWER WILL FURNISH AND INSTALL METERS.
9. MIN. CONDUIT SIZES:
 - 2" - CONDUIT FOR 100 AMP SERVICE.
 - 2" - CONDUIT FOR 200 AMP SERVICE.
 - 3" - CONDUIT FOR 3 PHASE, 200 AMP SERVICE.
10. METAL CONDUIT BELOW GRADE WILL BE PROTECTED BY A CORROSION INHIBITING WRAP. (10 MILL. PVC PIPE WRAP) CONTINUE PVC TAPE WRAP BELOW GRADE TO PVC PIPE.
11. ALL METAL TERMINATIONS SHALL HAVE BOLT ON METER BASE HUB WITH PVC FEMALE ADAPTOR TO TRANSITION TO METAL CONDUIT.
12. ALL SHADED AREA WILL BE RIGID METALLIC CONDUIT OR IMC.
13. MINIMUM DEPTH OF SERVICE TRENCH TO BE 36". ALL UNDERGROUND CONDUIT TO BE BACKFILLED WITH 2' OF SAND ABOVE CONDUIT.
14. IF UFER IS UNAVAILABLE (2) 5/8"x8' GROUND RODS SET 6' APART MUST BE INSTALLED.



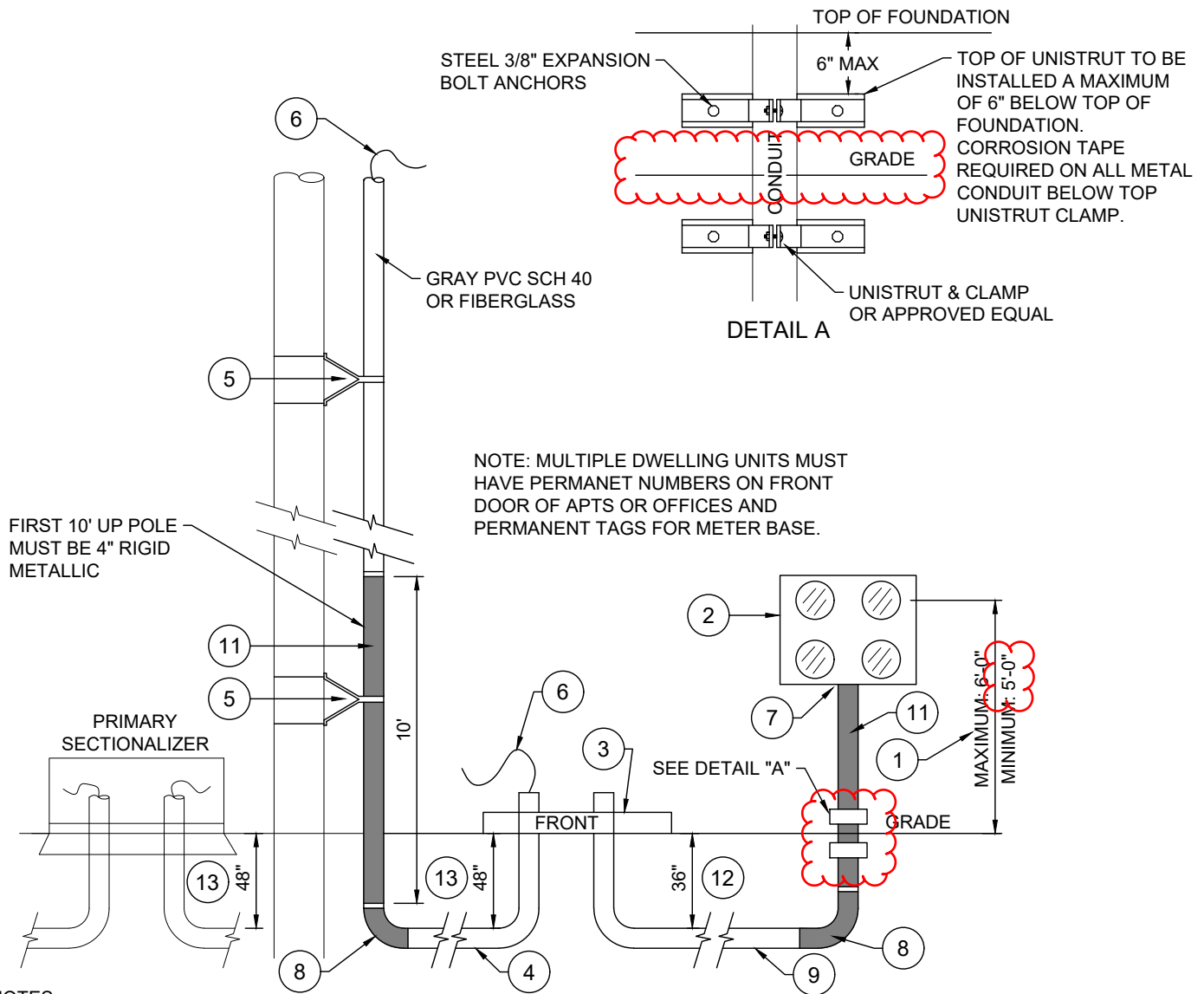
NOTES:

1. HEIGHT OF METER NOT TO EXCEED 6', AND NOT LOWER THAN 5'-0".
2. METER SOCKET: CALL 801-465-5270 FOR MOUNTING INFORMATION.
3. PAD OR VAULT FLOOR: FURNISHED AND INSTALLED BY CONTRACTOR.
4. CONDUIT FROM BUILDING TO CONNECTION POINT WILL BE GRAY PVC-SCH. 40, OR APPROVED EQUAL. ALL SERVICE CONDUIT MUST MEET PAYSON POWER STANDARDS AND THE NATIONAL ELECTRICAL SAFETY CODE. CONDUIT TO BE FURNISHED AND INSTALLED BY CONTRACTOR.
5. 36" SWEEP 90° ELBOW BELOW METER BASE WILL BE RIGID OR IMC. ALL ADDITIONAL 90° ELBOWS WILL BE PREFABRICATED FIBER GLASS 36" SWEEPS.
6. PAYSON CITY POWER WILL FURNISH AND INSTALL METERS.
7. NO COLORED TAPE ALLOWED. WIRE MUST BE COLORED PER INDUSTRY STANDARD FOR IDENTIFICATION AND SIZED BY THE UTILITY.
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.
10. MINIMUM DEPTH OF SERVICE TRENCH TO BE 36".
11. IF UFER IS UNAVAILABLE (2) 5/8"x8' GROUND RODS SET 6' APART MUST BE INSTALLED.



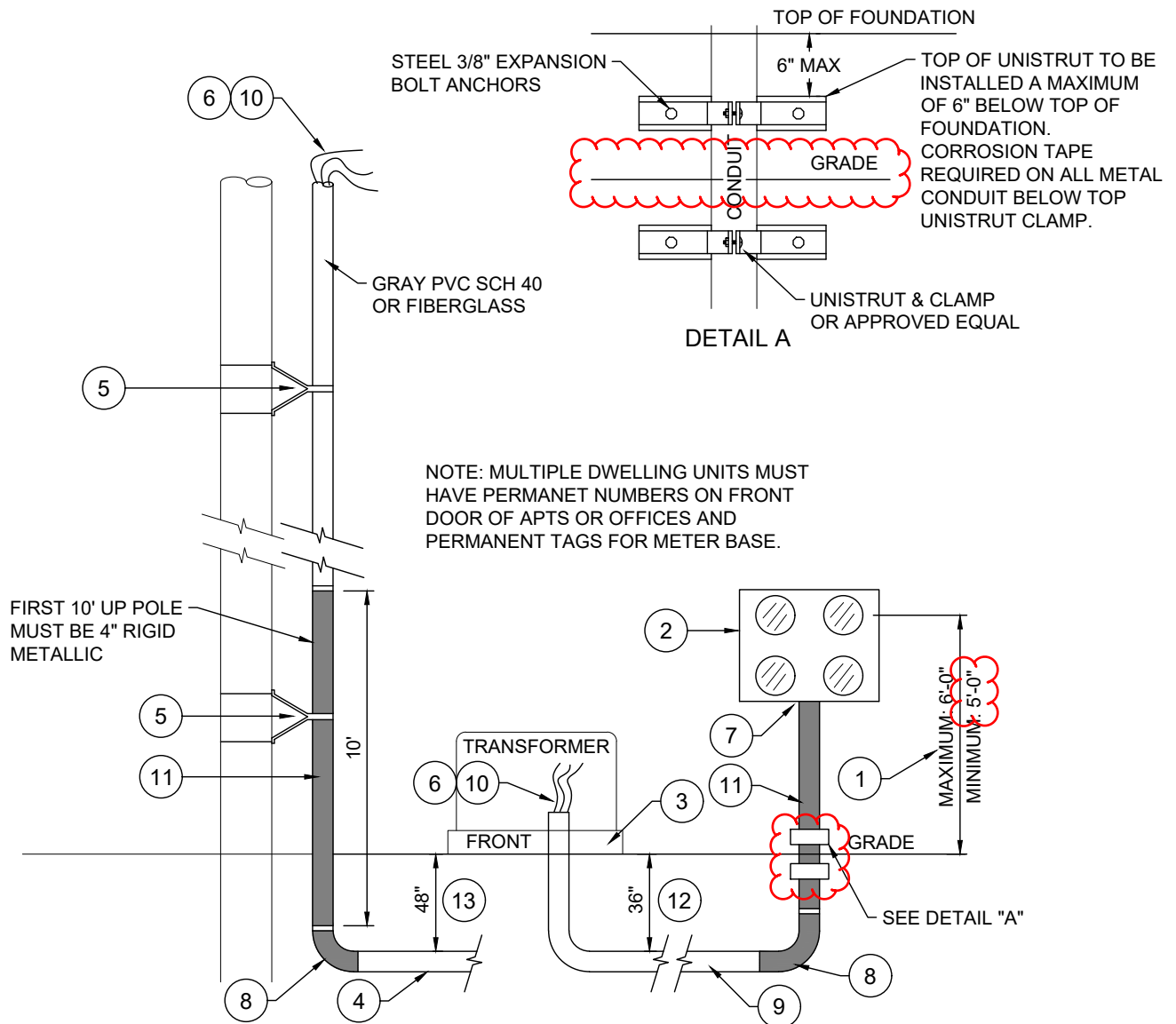
NOTES:

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. CONDUIT FROM BUILDING TO CONNECTION POINT WILL BE GRAY PVC-SCH. 40, OR APPROVED EQUAL. ALL SERVICE CONDUIT MUST MEET PAYSON POWER STANDARDS AND THE NATIONAL ELECTRICAL SAFETY CODE. CONDUIT TO BE FURNISHED AND INSTALLED BY CONTRACTOR.
- 4.1. SINGLE PHASE
 - 4.1.1. 100 AMP 1/0 URD
 - 4.1.2. 125 AMP 1/0 URD
 - 4.1.3. 150 AMP 2/0 URD
 - 4.1.4. 200 AMP 4/0 URD
5. NO COLORED TAPE ALLOWED. WIRE MUST BE COLORED PER INDUSTRY STANDARD FOR IDENTIFICATION AND SIZED BY THE UTILITY.
6. CONTRACTOR TO FURNISH STAND-OFF BRACKETS, CLAMPS AND LAGS, MINIMUM OF ONE FOR EVERY TEN FOOT LENGTH OF CONDUIT.
7. CONTRACTOR TO FURNISH AND INSTALL NEW 2500 LB MULE TAPE WITH FOOTAGES FOR PULLING IN PRIMARY CONDUCTORS WITH TEN FEET EXTENDING FROM EACH END.
8. ALL METAL TERMINATIONS SHALL HAVE BOLT ON METER BASE HUB.
9. METAL CONDUIT BELOW GRADE WILL BE PROTECTED BY A CORROSION INHIBITING WRAP. (10 MILL PVC PIPE WRAP). ALL ADDITIONAL 90° ELBOWS WILL BE PREFABRICATED FIBER GLASS 36" SWEEPS.
10. ALL SHADED AREA WILL BE RIGID METALLIC CONDUIT.
11. MINIMUM DEPTH OF SERVICE TRENCH TO BE 36" (3 FEET) FROM TOP OF CONDUIT.
12. MINIMUM DEPTH OF TRENCH FOR PRIMARY LINE WILL BE 48" (4 FEET) FROM TOP OF CONDUIT.
13. IF UFER IS UNAVAILABLE (2) 5/8"x8' GROUND RODS SET 6' APART MUST BE INSTALLED.



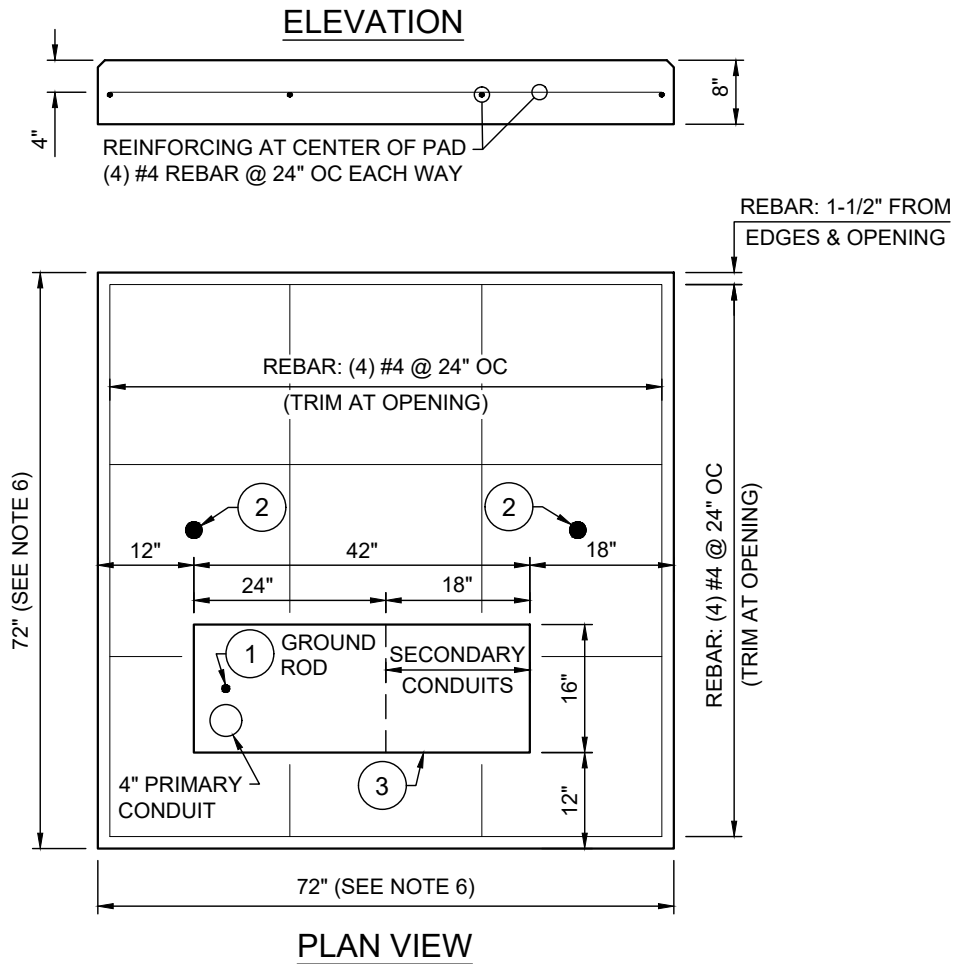
NOTES:

1. HEIGHT OF METER 5'-6" AND NOT TO EXCEED 6', AND NOT LOWER THAN 5'.
2. METER SOCKET TO BE FURNISHED AND INSTALLED **PER NEC REQUIREMENTS** BY THE CONTRACTOR.
3. PAD OR VAULT FLOOR FURNISHED AND INSTALLED BY CONTRACTOR TO GRADE.
4. PRIMARY CONDUIT: 4" GRAY PVC SCH 40 OR EQUAL AND MEET NEC. FURNISHED AND INSTALLED BY THE CONTRACTOR.
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 **NEW 2500 LB MULE TAPE WITH FOOTAGES** FOR PULLING IN PRIMARY CONDUCTORS WITH TEN FEET EXTENDING FROM EACH END.
7. ALL METAL TERMINATIONS SHALL HAVE BOLT ON 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 PREFABRICATED FIBER GLASS 36" SWEEPS.
9. CONDUIT FROM BUILDING TO CONNECTION POINT WILL BE GRAY PVC-SCH. 40, OR APPROVED EQUAL. ALL SERVICE CONDUIT MUST MEET PAYSON POWER STANDARDS AND THE NATIONAL ELECTRICAL SAFETY CODE. CONDUIT TO BE FURNISHED AND INSTALLED BY CONTRACTOR.
10. NO COLORED TAPE ALLOWED. WIRE MUST BE COLORED PER INDUSTRY STANDARD FOR IDENTIFICATION AND SIZED BY THE UTILITY.
 - 10.1. 120/208 3 PHASE - WHITE, BLACK, RED, AND BLUE
 - 10.2. 480 VOLT 3 PHASE - **GRAY**, BROWN, ORANGE, YELLOW
11. ALL SHADED AREA WILL BE RIGID METALLIC CONDUIT.
12. MINIMUM DEPTH OF SERVICE TRENCH TO BE 36" (3 FEET) FROM TOP OF CONDUIT.
13. MINIMUM DEPTH OF TRENCH FOR PRIMARY LINE WILL BE 48" (4 FEET) FROM TOP OF CONDUIT.
14. IF UFER IS UNAVAILABLE (2) 5/8"x8' GROUND RODS SET 6' APART MUST BE INSTALLED.



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 **PER NEC REQUIREMENTS** BY THE CONTRACTOR.
3. PAD OR VAULT FLOOR FURNISHED AND INSTALLED BY CONTRACTOR TO GRADE.
4. PRIMARY CONDUIT: 4" GRAY PVC SCH 40 OR EQUAL AND MEET NEC. FURNISHED AND INSTALLED BY THE CONTRACTOR.
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 **NEW 2500 LB MULE TAPE WITH FOOTAGES** FOR PULLING IN PRIMARY CONDUCTORS WITH TEN FEET EXTENDING FROM EACH END.
7. ALL METAL TERMINATIONS SHALL HAVE BOLT ON 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 PREFABRICATED FIBER GLASS 36" SWEEPS.
9. CONDUIT FROM BUILDING TO CONNECTION POINT WILL BE GRAY PVC-SCH. 40, OR APPROVED EQUAL. ALL SERVICE CONDUIT MUST MEET PAYSON POWER STANDARDS AND THE NATIONAL ELECTRICAL SAFETY CODE. CONDUIT TO BE FURNISHED AND INSTALLED BY CONTRACTOR.
10. NO COLORED TAPE ALLOWED. WIRE MUST BE COLORED PER INDUSTRY STANDARD FOR IDENTIFICATION AND SIZED BY THE UTILITY.
 - 10.1. 120/208 3 PHASE - WHITE, BLACK, RED, AND BLUE
 - 10.2. 480 VOLT 3 PHASE - **GRAY**, BROWN, ORANGE, YELLOW
11. ALL SHADED AREA WILL BE RIGID METALLIC CONDUIT.
12. MINIMUM DEPTH OF SERVICE TRENCH TO BE 36" (3 FEET) FROM TOP OF CONDUIT.
13. MINIMUM DEPTH OF TRENCH FOR PRIMARY LINE WILL BE 48" (4 FEET) FROM TOP OF CONDUIT.
14. IF UFER IS UNAVAILABLE (2) 5/8"x8' GROUND RODS SET 6' APART MUST BE INSTALLED.



KEYED NOTES:

- ① 5/8" X 8'-0" COPPER CLAD GROUND ROD
- ② PAD ANCHOR (2 PLACES FOR PRECAST PAD)
- ③ 42" X 16" OPENING

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
6. DIMENSIONS APPROXIMATE. CONSULT WITH PAYSON POWER FOR EQUIPMENT SPECIFIC PAD DIMENSIONS.

ELEVATION

4"

8"

REINFORCING AT CENTER OF PAD
(4) #4 REBAR, EVENLY SPACED, EACH WAY

REBAR: 1-1/2" FROM EDGES & OPENING

PLAN VIEW

72" (SEE NOTE 6)

84" (SEE NOTE 6)

REBAR: (4) #4 @ 27" OC (TRIM AT OPENING)

REBAR: (4) #4 @ 24" OC (TRIM AT OPENING)

12" 53" 19"

27" 26"

18" 12"

GROUND ROD

SECONDARY CONDUITS

4" PRIMARY CONDUIT

1 2 3

- 1 5/8" X 8'-0" COPPER CLAD GROUND ROD
- 2 PAD ANCHOR (2 PLACES FOR PRECAST PAD)
- 3 53" X 18" OPENING

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
6. DIMENSIONS APPROXIMATE. CONSULT WITH PAYSON POWER FOR EQUIPMENT SPECIFIC PAD DIMENSIONS.

ELEVATION

4"

8"

REINFORCING AT CENTER OF PAD
(5) #4 REBAR @ 24" OC EACH WAY

Diagram illustrating the plan view of a 96" x 96" panel, showing the layout of rebar, ground rod, and conduits.

Panel Dimensions: 96" (SEE NOTE 6) by 96" (SEE NOTE 6).

Rebar Layout: REBAR: (5) #4 @ 24" OC (TRIM AT OPENING).

Ground Rod and Conduits:

- GROUND ROD:** Located in the bottom-left corner, labeled 1.
- SECONDARY CONDUITS:** Located in the bottom-right corner, labeled 3.
- 4" PRIMARY CONDUIT:** Located in the bottom-left corner, labeled 2.

Dimensions and Spacing:

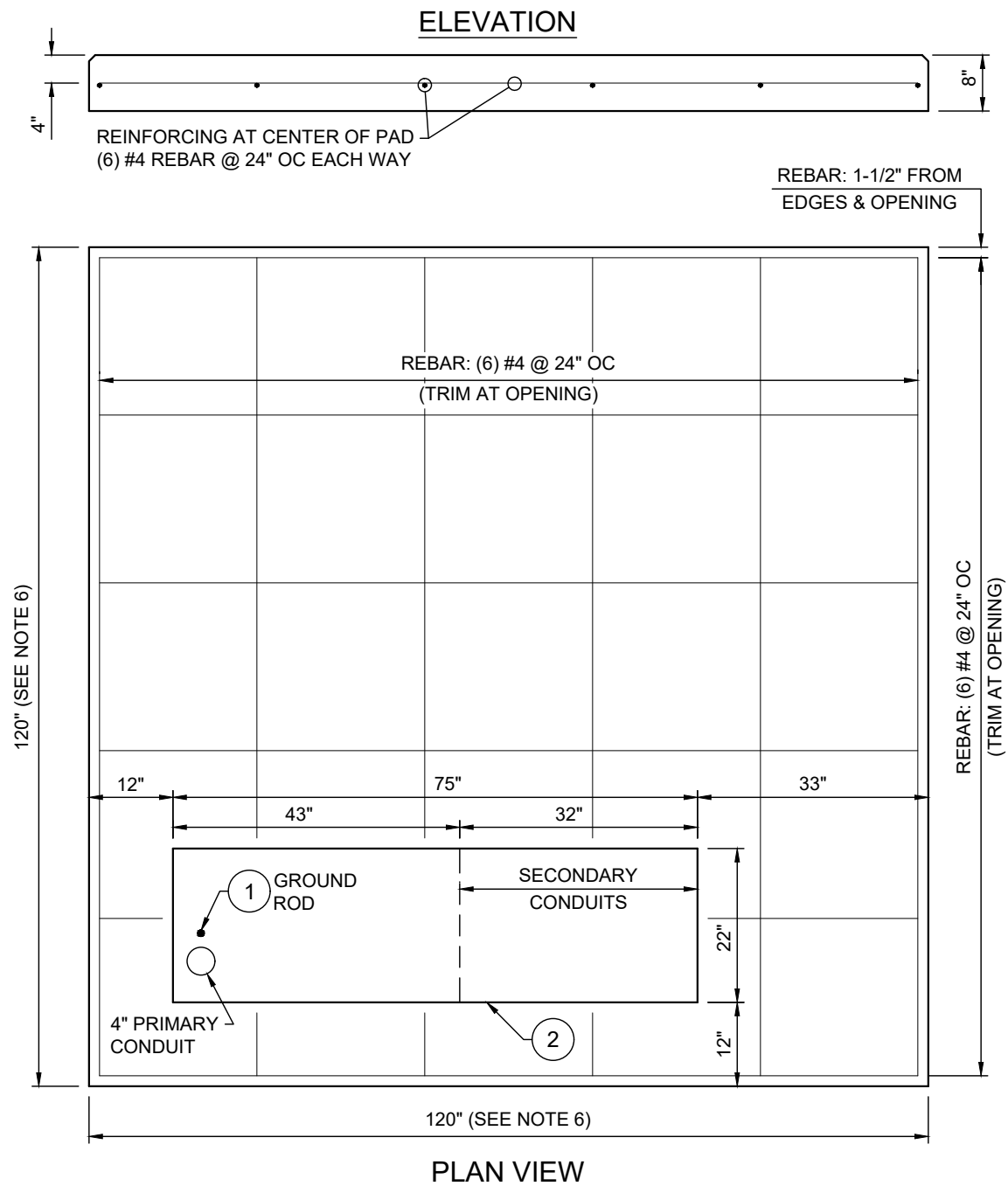
- Horizontal spacing: 12" (left of ground rod), 34" (between ground rod and secondary conduits), 64" (between secondary conduits and right edge), 30" (between secondary conduits and right edge), 20" (right of secondary conduits).
- Vertical spacing: 20" (height of secondary conduits), 12" (height of ground rod).

Rebar Detail: REBAR: (5) #4 @ 24" OC (TRIM AT OPENING).

KEYED NOTES:

- 1 5/8" X 8'-0" COPPER CLAD GROUND ROD
- 2 PAD ANCHOR (2 PLACES FOR PRECAST PAD)
- 3 64" X 20" OPENING

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
6. DIMENSIONS APPROXIMATE. CONSULT WITH PAYSON POWER FOR EQUIPMENT SPECIFIC PAD DIMENSIONS.

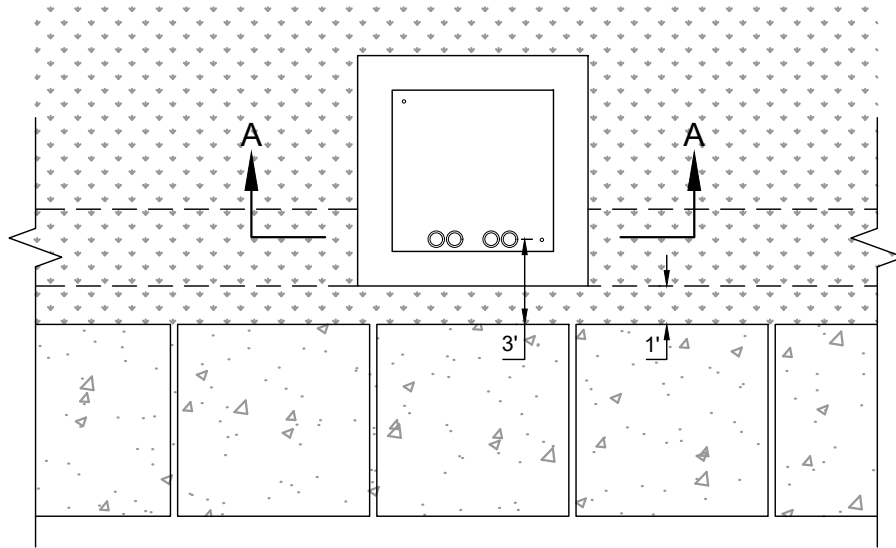


KEYED NOTES:

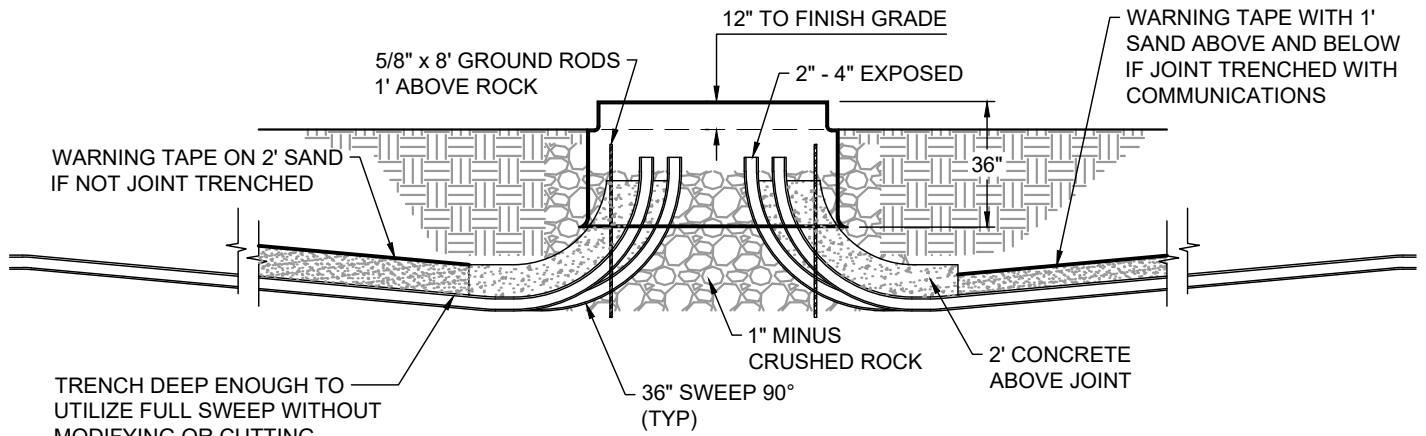
- ① 5/8" X 8'-0" COPPER CLAD GROUND ROD
- ② 75" X 22" OPENING

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
6. DIMENSIONS APPROXIMATE. CONSULT WITH PAYSON POWER FOR EQUIPMENT SPECIFIC PAD DIMENSIONS.



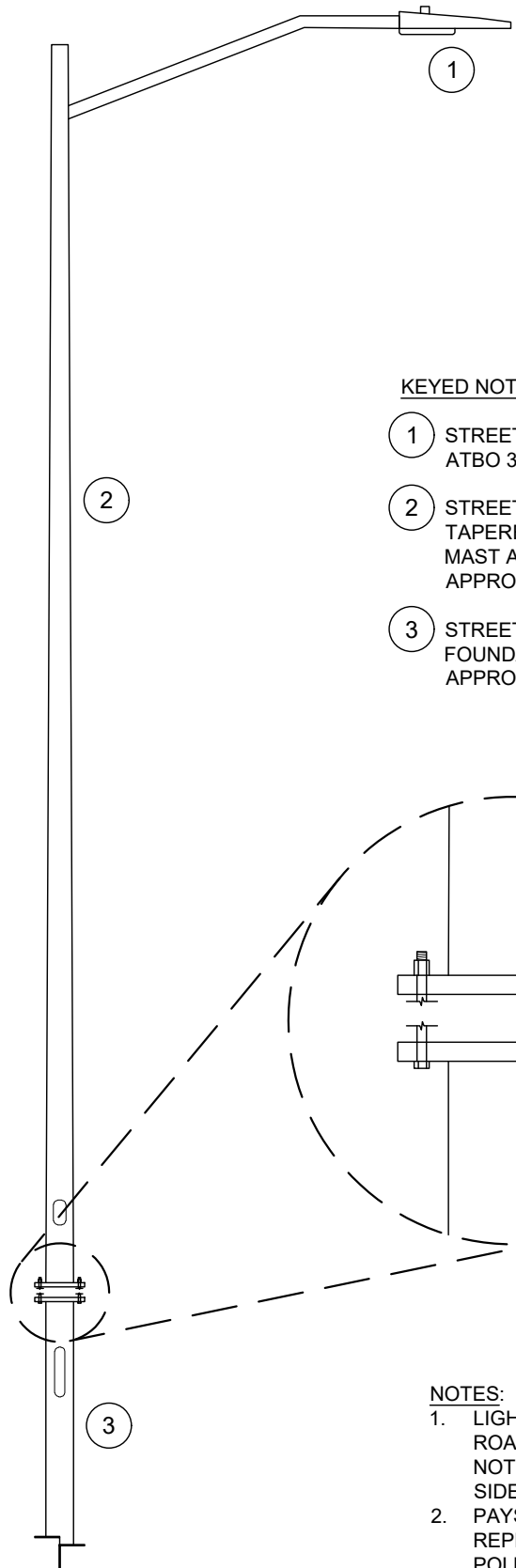
PLAN VIEW



SECTION A-A

NOTES:

1. 30' OF 4/0 BARE COPPER FOR GROUNDING, CITY WILL INSTALL
2. LONG SIDE OF BOX TO PARALLEL SIDEWALK
3. ALL 90° ELBOWS WILL BE PREFABRICATED FIBER GLASS 36" SWEEPS



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.