

SURFACE MOUNT

# PAYSON CITY CORPORATION ELECTRIC DEPARTMENT

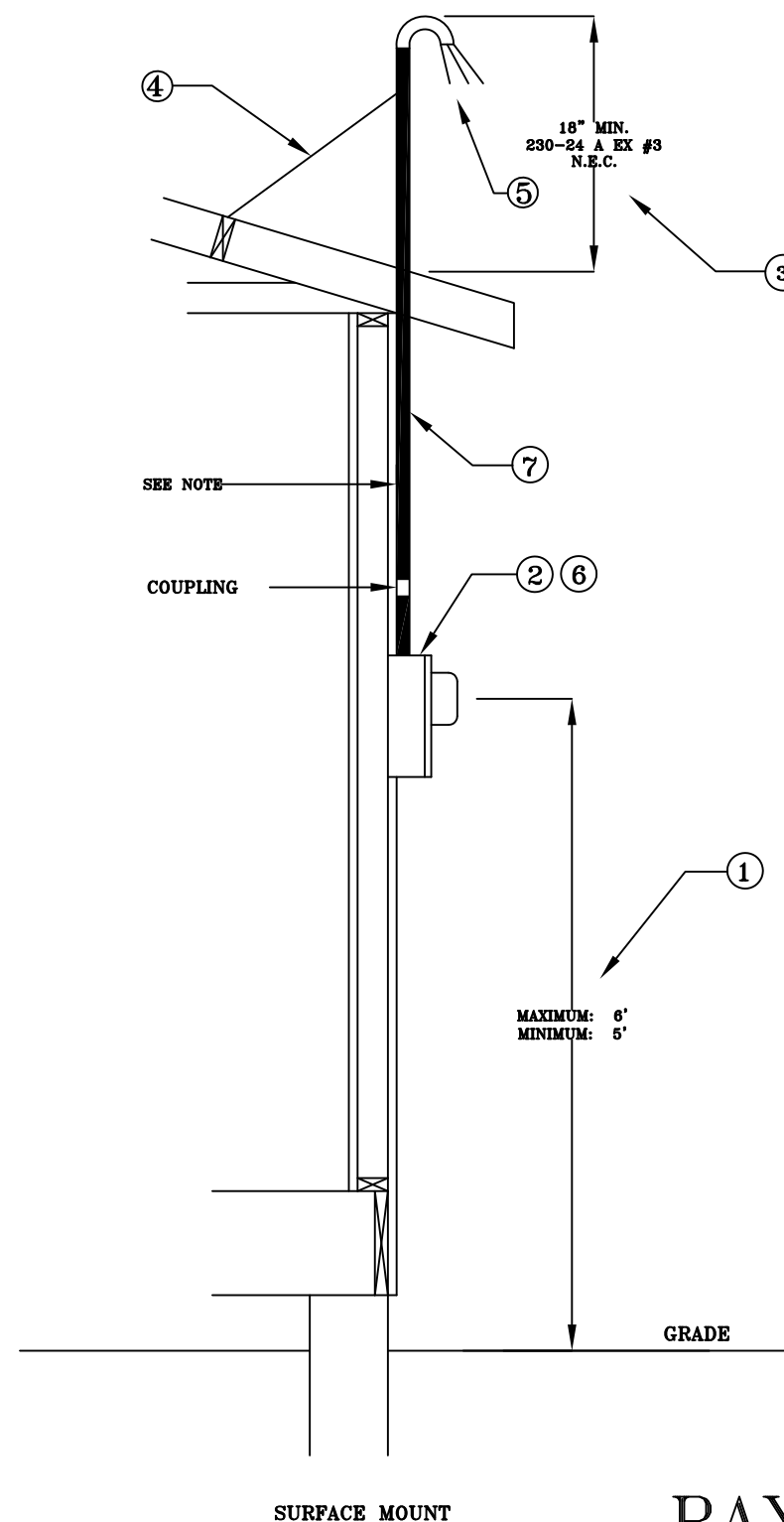
SPECIFICATIONS FOR UNDERGROUND SERVICES 200 AMPS MAX  
(SINGLE PHASE AND THREE PHASE)

1. HEIGHT OF METER 5'6" AND NOT TO EXCEED 6', AND NOT LOWER THAN 5'.
2. METER BASE FURNISHED AND INSTALL BY THE CONTRACTOR.  
(A MANUAL BYPASS IS REQUIRED ON 3 PHASE)
3. MINIMUM SIZE SERVICE WIRE PROVIDED BY CONTRACTOR.  
100 AMP 1/0 URD  
125 AMP 1/0 URD  
150 AMP 2/0 URD  
200 AMP 4/0 URD  
OXIDE INHIBITING COMPOUND SHALL BE USED ON ALL ALUMINUM CONNECTIONS.
4. CONDUIT TO BE RIGID METALLIC OR IMC FROM GROUND TO METER BASE,  
(MIN 2") FURNISHED AND INSTALLED BY CONTRACTOR.
5. CONDUIT FROM BUILDING TO CONNECTION POINT WILL BE GRAY PVC-SCH. 40 OR EQUAL, FURNISHED AND INSTALLED BY THE CONTRACTOR  
CONDUIT WILL COMPLY WITH THE NATIONAL ELECTRIC CODE.
6. A 36" SWEEP 90 ELBOW BELOW METER BASE WILL BE RIGID OR IMC.  
B 36" SWEEP 90 ELBOW AT SECONDARY CONNECTION BOX WILL BE SCH 40 PVC.
7. PAYSON CITY POWER WILL FURNISH AND INSTALL METERS.
8. CONDUIT SIZES: (MINIMUM)  
2" - conduit for 100 amp service.  
2" - conduit for 200 amp service.  
3" - conduit for 3 phase, 200 amp service.
9. METAL CONDUIT BELOW GRADE WILL BE PROTECTED BY  
A CORROSION INHIBITING WRAP. ( 10 MILL. PVC PIPE WRAP )
10. ALL METAL TERMINATIONS SHALL HAVE BUSHINGS OR METER  
BASE HUB. A BOLT ON HUB SHALL BE USED AT THE METER BASE AND A PVC  
FEMALE ADAPTOR SHALL BE USED TO TRANSITION TO METAL CONDUIT.

## NOTE:

1. ALL SHADED AREA WILL BE RIGID METALLIC CONDUIT OR IMC.
2. MINIMUM DEPTH OF SERVICE TRENCH TO BE 24".
3. FOR PURPOSE OF GROUNDING A MINIMUM OF #2 BARE STRANDED COPPER TO BE  
TO BE INSTALLED WITH A MINIMUM OF 20' BURIED IN TRENCH METER BASE SHALL  
ALSO BE TIED TO UFER IN FOUNDATION. GROUNDING TO MEET NEC.
4. PVC TAPE WRAP ON ALL METAL PIPE BELOW CLAMP, CONTINUOUS  
BELOW GRADE TO PVC PIPE.

DRAWING NO. 02-50-0001



1. HEIGHT OF METER 5'6" AND NOT TO EXCEED 6', AND NOT LOWER THAN 5'.

2. METER BASE FURNISHED AND INSTALL BY THE CONTRACTOR.  
(A MANUAL BYPASS IS REQUIRED ON 3 PHASE)

3. STANDPIPE SHALL BE A MINIMUM 2" RIGID METALLIC, OR IMC AND EXTEND ABOVE ROOF A MINIMUM OF 18" AS OF NEC 230-24.

4. BRIDAL GUY TO BE INSTALLED IF NECESSARY.

5. CONDUCTORS FURNISHED AND INSTALLED BY CONTRACTOR TO EXTEND 18" FROM THE WEATHER HEAD AND SHALL COMPLY WITH THE NATIONAL ELECTRIC CODE.

100 AMP 1/0 URD

125 AMP 1/0 URD

150 AMP 2/0 URD

200 AMP 4/0 URD

OXIDE INHIBITING COMPOUND SHALL BE USED ON ALL ALUMINUM CONNECTIONS.

6. ALL METAL TERMINATIONS SHALL HAVE BUSHINGS OR METER BASE HUB.

7. CONDUIT SIZES: (MINIMUM)

2" - conduit for 100 AMP service

2" - conduit for 150 AMP service

2" - conduit for 200 AMP service

NOTE:

1. ALL SHADED AREA WILL BE RIGID METALLIC CONDUIT OR IMC.

2. NO COUPLING WITHIN 10' OF WEATHER HEAD.

3. (2) 5/8" x 8' COPPER CLAD GROUND RODS SPACED 8' APART SHALL BE USED WITH A MINIMUM OF #6 COPPER CONNECTING TO THE METER BASE. METER BASE TO BE TIED TO UFER WHERE APPLICABLE.

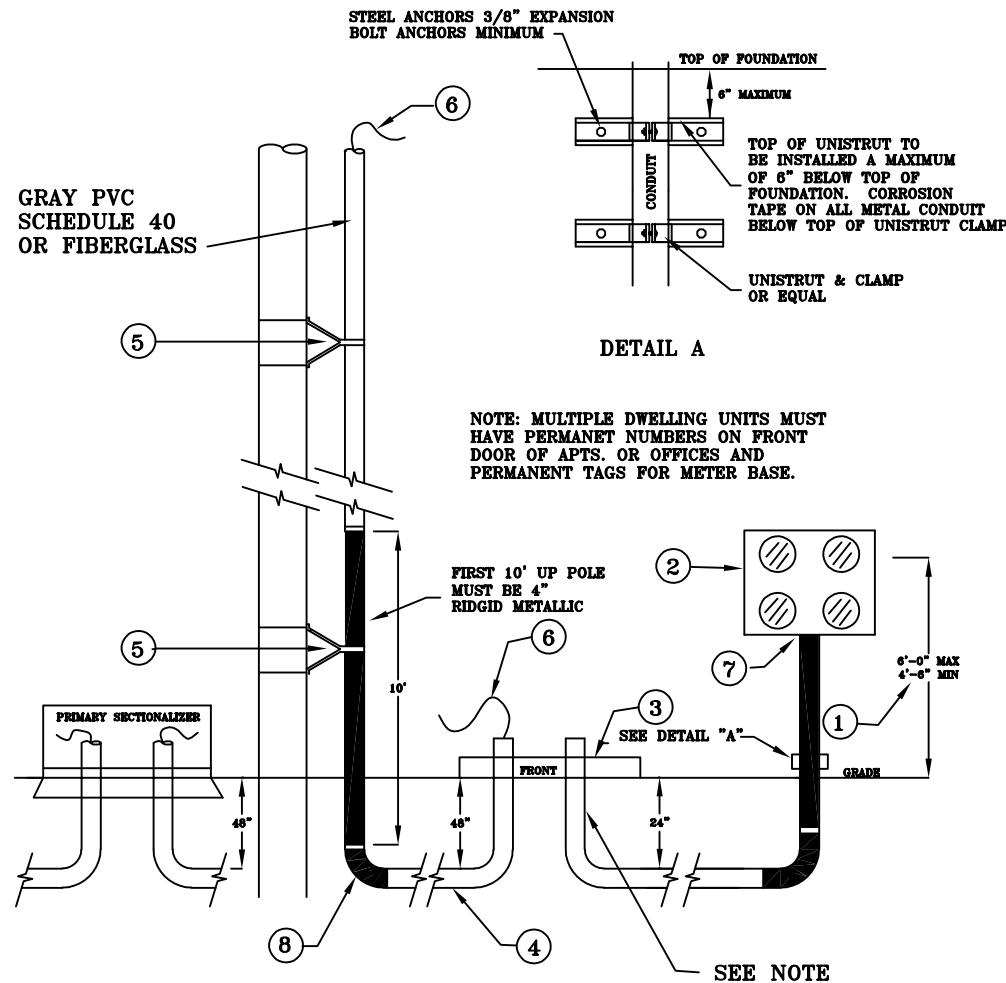
## PAYSON CITY CORPORATION

### ELECTRIC DEPARTMENT

SPECIFICATIONS FOR OVERHEAD SERVICES 200 AMPS MAX  
(SINGLE PHASE AND THREE PHASE)

DRAWING NO. 02-50-0002





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. PRIMARY CONDUIT: 4" GRAY PVC-SCH. 40 OR EQUAL, AND MEET NESC. 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 #6 2500 LB MULE TAPE FOR PULLING IN PRIMARY CONDUITORS WITH TEN FEET EXTENDING FROM EACH END.
7. ALL METAL TERMINATIONS SHALL HAVE BUSHINGS OR METER BASE HUB.
8. METAL CONDUIT BELOW GRADE WILL BE PROTECTED BY A CORROSION INHIBITING WRAP. (10 MILL. PVC PIPE WRAP) ALL 90 ELBOWS WILL BE 36" SWEEPS.

NOTE:

1. SERVICE CONDUIT WILL MEET WESTERN UNDERGROUND COMMITTEE SPEC.3.1. CONDUIT AND CONDUCTORS WILL COMPLY WITH NATIONAL ELECTRICAL CODE, AND BE FURNISHED AND INSTALLED BY CONTRACTOR.
2. ALL SHADED AREA WILL BE RIGID METALLIC CONDUIT.
3. MINIMUM DEPTH OF SERVICE TRENCH TO BE 24" (2 FEET) FROM THE TOP OF CONDUIT.
4. MINIMUM DEPTH OF TRENCH FOR PRIMARY LINE WILL BE 48" (4 FEET). FROM TOP OF CONDUIT.

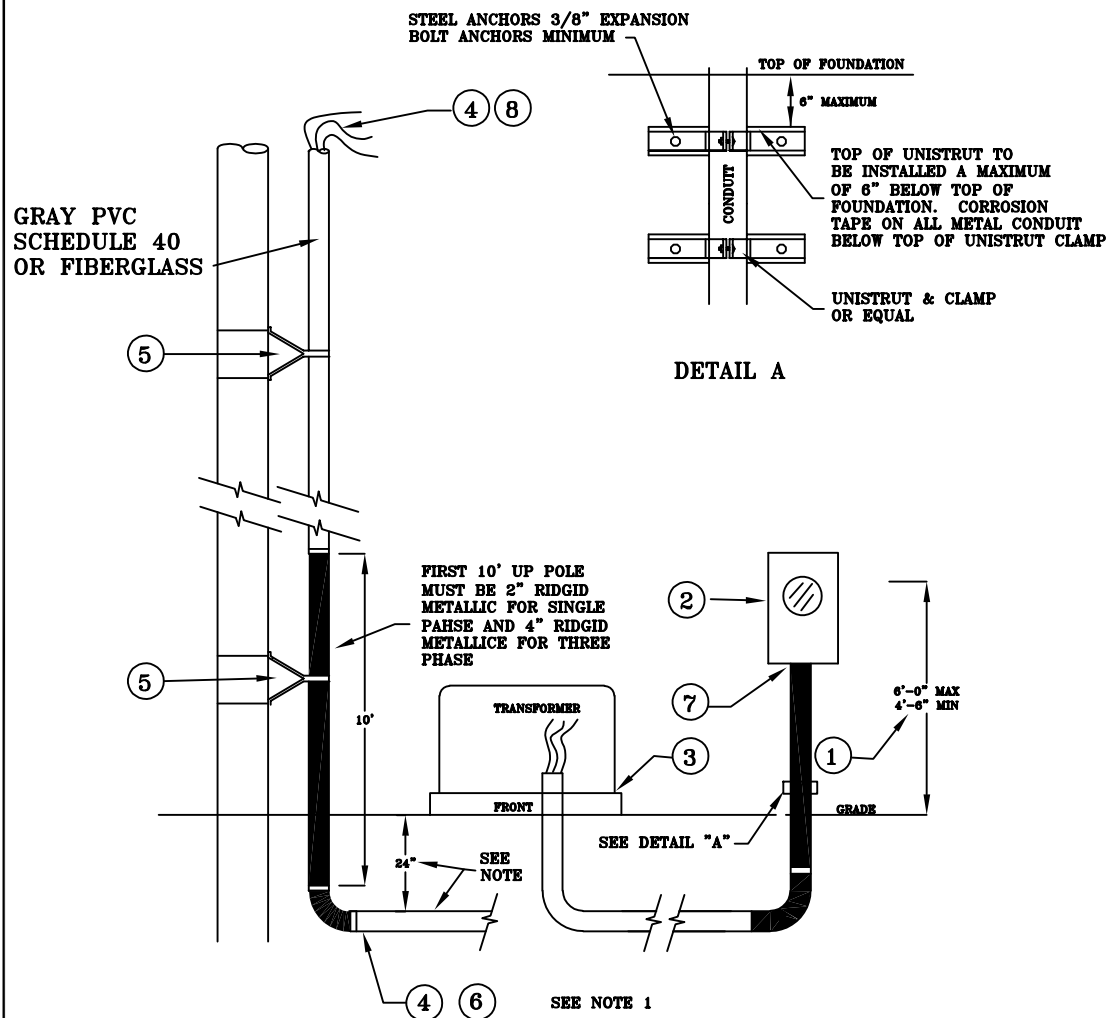
## PAYSON CITY CORPORATION

### ELECTRIC DEPARTMENT

SPECIFICATIONS FOR PRIMARY UNDERGROUND SERVICES  
LARGER THAN 200 AMPS. MULTIPLE METERED UNITS.  
(SINGLE PHASE AND THREE PHASE)

DRAWING NO. 02-50-0004





1. HEIGHT OF METER 5'6" AND NOT TO EXCEED 6', AND NOT LOWER THAN 5'.
2. METER SOCKET TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR.
3. PAD OR VAULT FLOOR FURNISHED AND INSTALLED BY CONTRACTOR. TO GRADE.
4. SERVICE CONDUIT AND CONDUCTORS FURNISHED AND INSTALLED BY THE CONTRACTOR SHALL COMPLY WITH THE NATIONAL ELECTRICAL CODE.
5. CONTRACTOR TO FURNISH STAND-OFF BRACKETS, CLAMPS, LAGS AND UNISTRUT, 1 1/2" DEEP. MINIMUM OF ONE FOR EVERY TEN FOOT LENGTH OF CONDUIT.
6. METAL CONDUIT BELOW GRADE WILL BE PROTECTED BY A CORROSION INHIBITING WRAP. (10 MILL. PVC PIPE WRAPE) AND USE 36" SWEEP 90'S.
7. ALL METAL TERMINATIONS SHALL HAVE BUSHINGS OR METER BASE HUB.
8. CONTRACTOR TO FURNISH AND INSTALL #6 2500 LB MULE TAPE FOR PULLING IN PRIMARY CONDUCTORS WITH TEN FEET EXTENDING FROM EACH END.

NOTE:

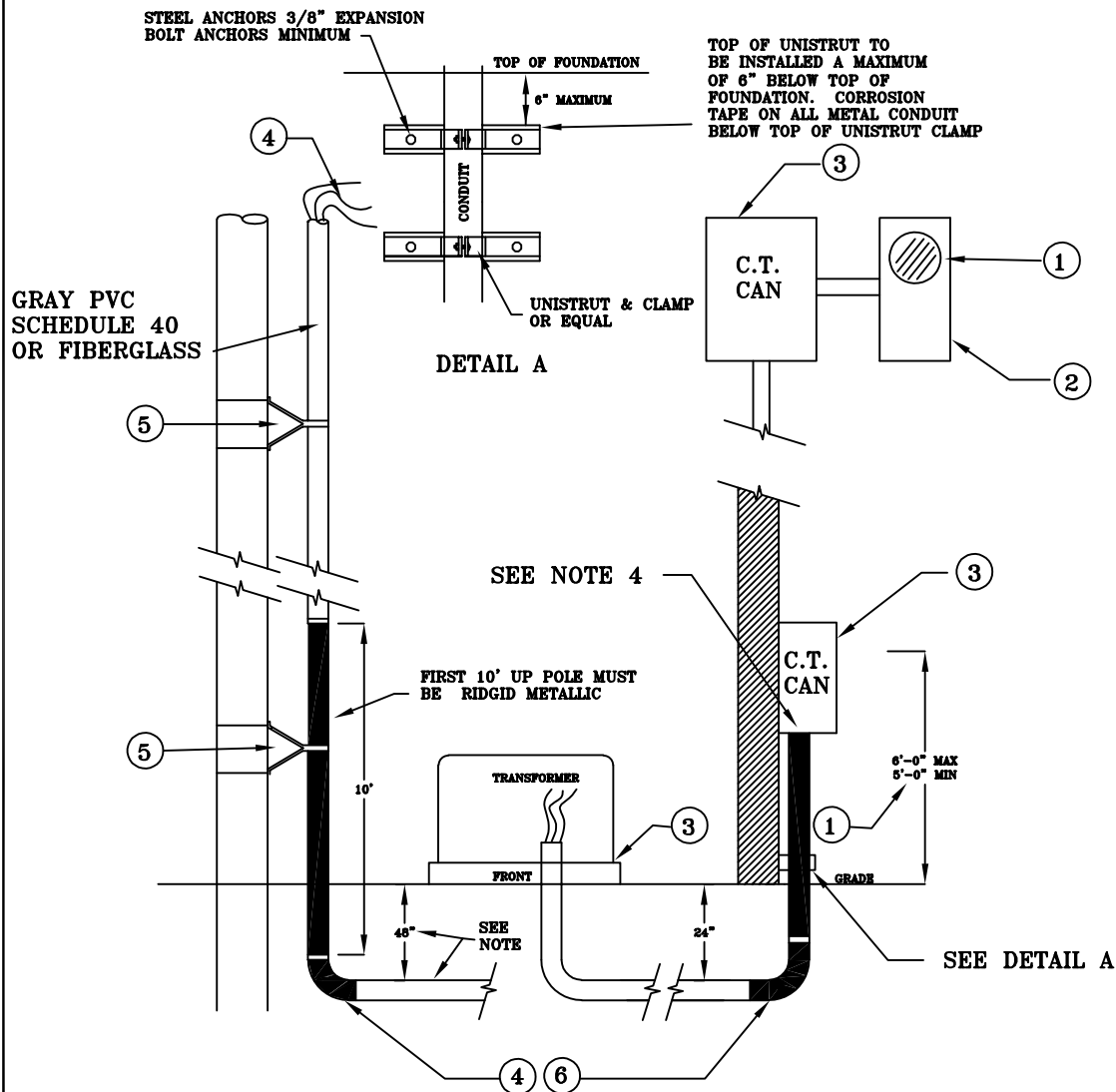
1. SERVICE CONDUIT WILL MEET WESTERN UNDERGROUND COMMITTEE SPEC.3.1. CONDUIT AND CONDUCTORS WILL COMPLY WITH NATIONAL ELECTRICAL CODE, AND BE FURNISHED AND INSTALLED BY CONTRACTOR.
2. ALL SHADED AREA WILL BE RIGID METALLIC CONDUIT.
3. MINIMUM DEPTH OF SERVICE TRENCH TO BE 24" (2 FEET) FROM THE TOP OF THE CONDUIT.
4. MINIMUM DEPTH OF TRENCH FOR PRIMARY LINE WILL BE 48" (4 FEET) FROM TOP OF CONDUIT.

**PAYSON CITY CORPORATION**  
ELECTRIC DEPARTMENT

SPECIFICATIONS FOR UNDERGROUND SERVICES  
200 AMPS MAXIMUM.  
(SINGLE PHASE AND THREE PHASE)

DRAWING NO. 02-50-0006





1. HEIGHT OF METER NOT TO EXCEED 6', AND NOT LOWER THAN 5'.
2. METER SOCKET TO BE FURNISHED AND INSTALLED BY PAYSON CITY POWER. CALL 465-5270 FOR MOUNTING INFORMATION.
3. \_C.T. CAN FURNISHED AND INSTALLED BY CONTRACTOR.
4. SERVICE CONDUIT AND CONDUCTORS FURNISHED AND INSTALLED BY THE CONTRACTOR SHALL COMPLY WITH THE NATIONAL ELECTRICAL CODE, AND UTILITY STANDARDS. ALL 90's WILL BE 36" SWEEPS.
5. CONTRACTOR TO FURNISH STAND-OFF BRACKETS, CLAMPS, LAGS AND UNISTRUT, 1 1/2" DEEP. MINIMUM OF ONE FOR EVERY TEN FOOT LENGTH OF CONDUIT.
6. METAL CONDUIT BELOW GRADE WILL BE PROTECTED BY A CORROSION INHIBITING WRAP. (10 MILL. PVC WRAPE)

NOTE:

1. SERVICE CONDUIT WILL MEET WESTERN UNDERGROUND COMMITTEE SPEC.3.1. CONDUIT AND CONDUCTORS WILL COMPLY WITH NATIONAL ELECTRICAL CODE, AND BE FURNISHED AND INSTALLED BY CONTRACTOR.
2. ALL SHADED AREA WILL BE RIGID METALLIC CONDUIT.
3. MINIMUM DEPTH OF SERVICE TRENCH TO BE 24" (2 FEET) FROM THE TOP OF THE CONDUIT.
4. ALL METAL TERMINATIONS SHALL HAVE BUSHINGS OR METER HUB.

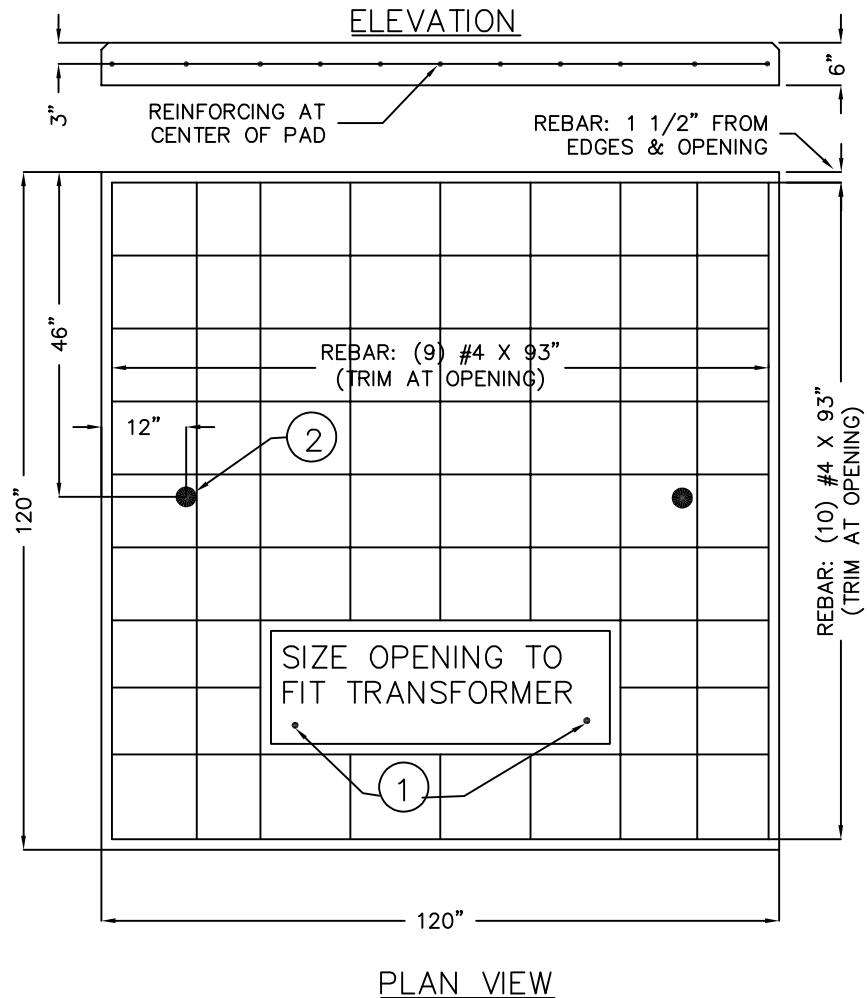
## PAYSON CITY CORPORATION

### ELECTRIC DEPARTMENT

SECONDARY UNDERGROUND SERVICE LARGER  
THAN 200 AMPS SPECIFICATION FOR SINGLE METER.  
(SINGLE PHASE )

DRAWING NO. 02-50-0008





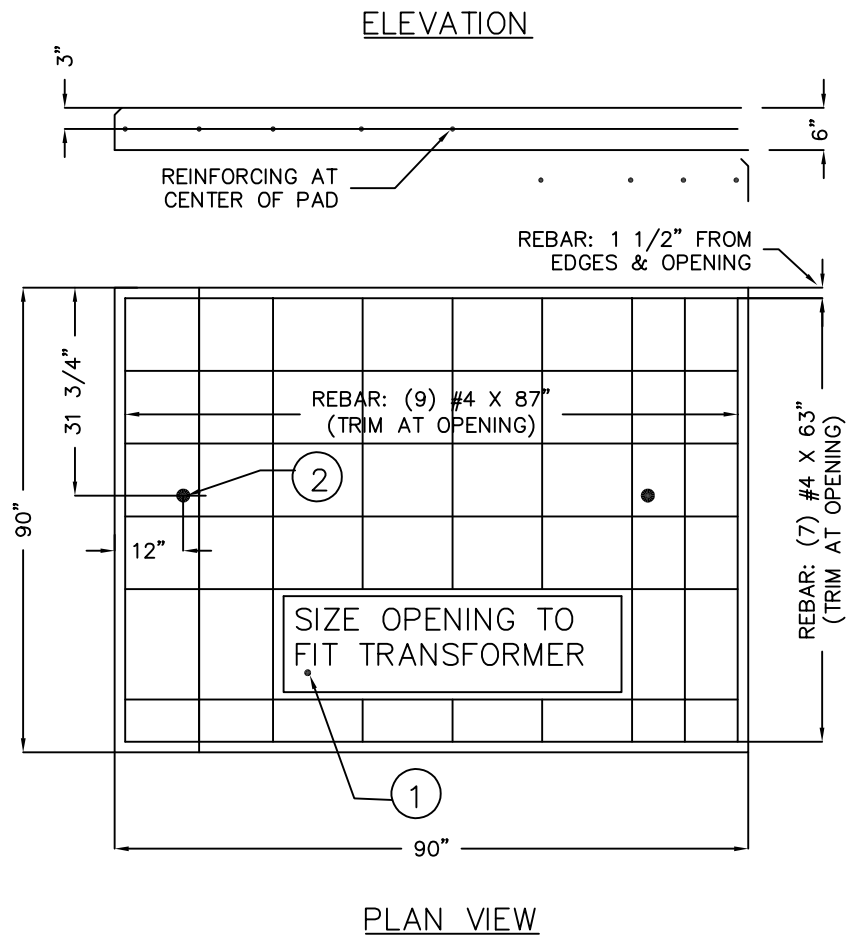
- ① 5/8" X 8'-0" COPPER CLAD GROUND ROD
- ② PAD ANCHOR (2 PLACES FOR PRECAST PAD)

INSTALLATION INSTRUCTIONS & PAD SPECIFICATIONS ON PAGE 23

PRECAST OR CAST-IN-PLACE PAD  
FOR THREE PHASE TRANSFORMER  
750-1000 kVA

PAYSON CITY CORPORATION  
ELECTRIC DEPARTMENT

DRAWING NO. 02-50-0009



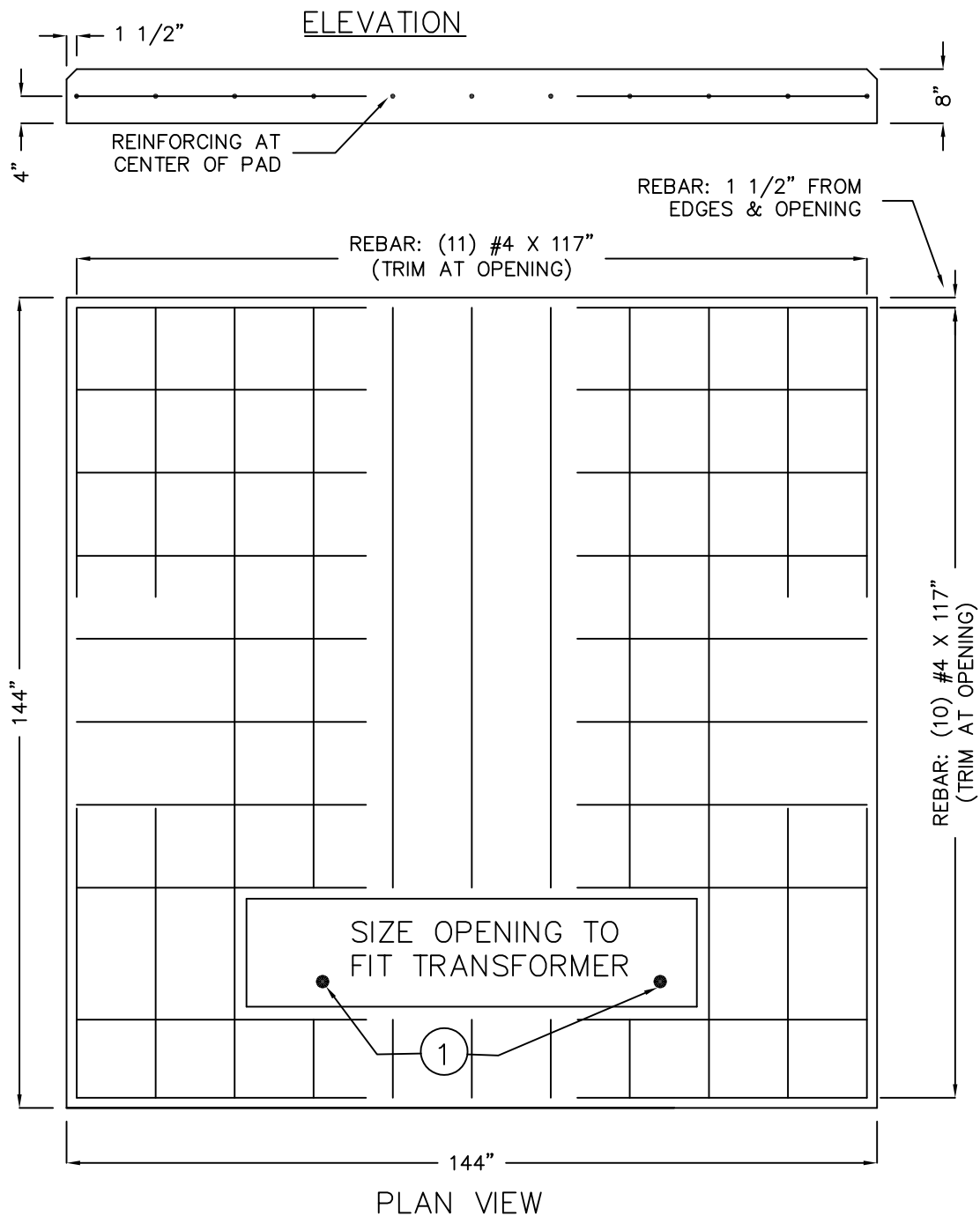
- ① 5/8" X 8'-0" COPPER CLAD GROUND ROD
- ② PAD ANCHOR (2 PLACES FOR PRECAST PAD)

INSTALLATION INSTRUCTIONS & PAD SPECIFICATIONS ON PAGE 21

PRECAST OR CAST-IN-PLACE PAD  
FOR THREE PHASE TRANSFORMER  
0-500 kVA

PAYSON CITY CORPORATION  
ELECTRIC DEPARTMENT

**DRAWING NO. 02-50-0010**



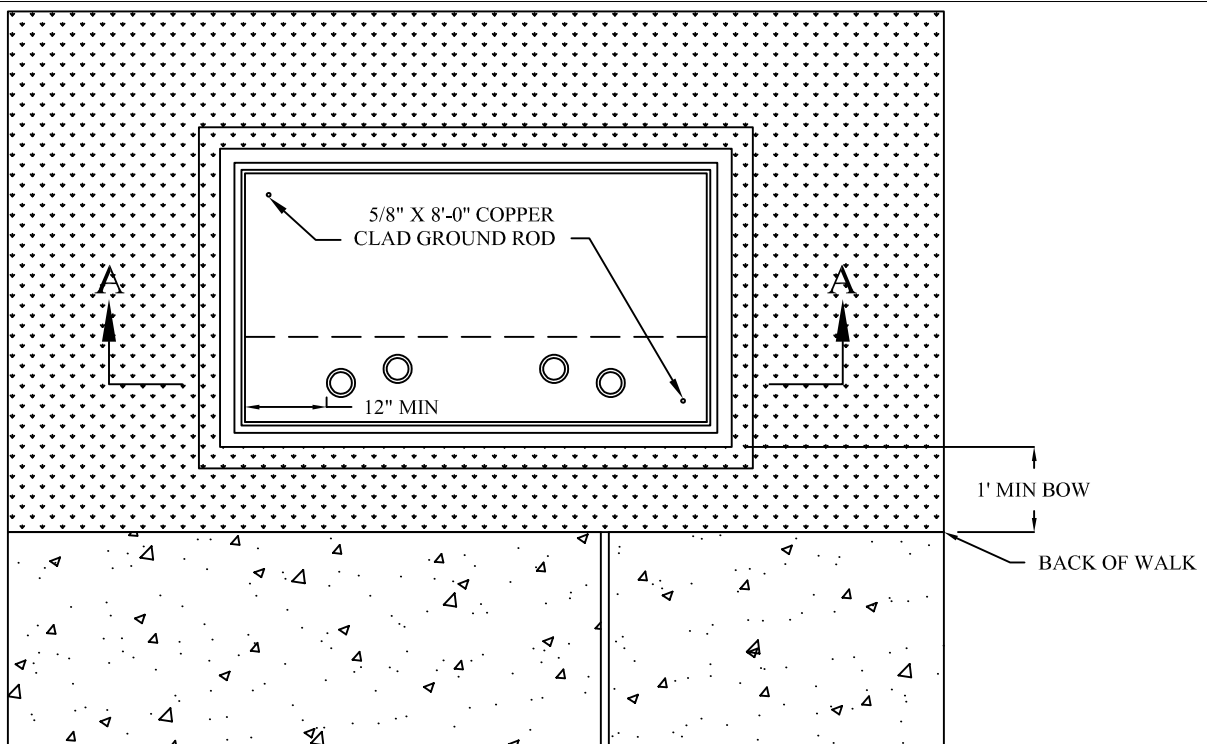
① 5/8" X 8'-0" COPPER CLAD GROUND ROD

INSTALLATION INSTRUCTIONS & PAD SPECIFICATIONS ON PAGE 25

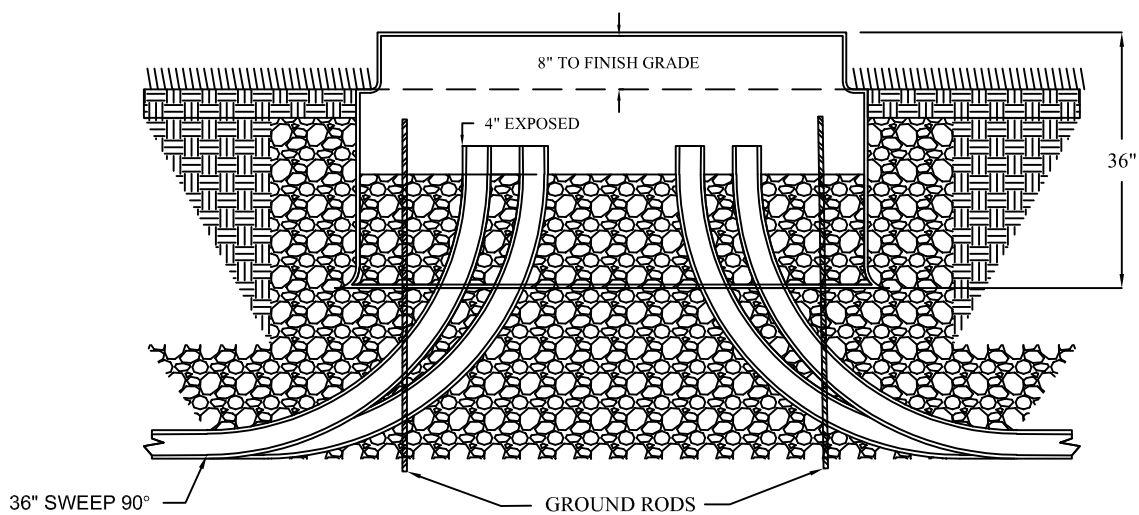
CAST-IN-PLACE PAD FOR  
THREE PHASE TRANSFORMER  
1500-2500 kVA

PAYSON CITY CORPORATION  
ELECTRIC DEPARTMENT

DRAWING NO. 02-50-0011



PLAN VIEW



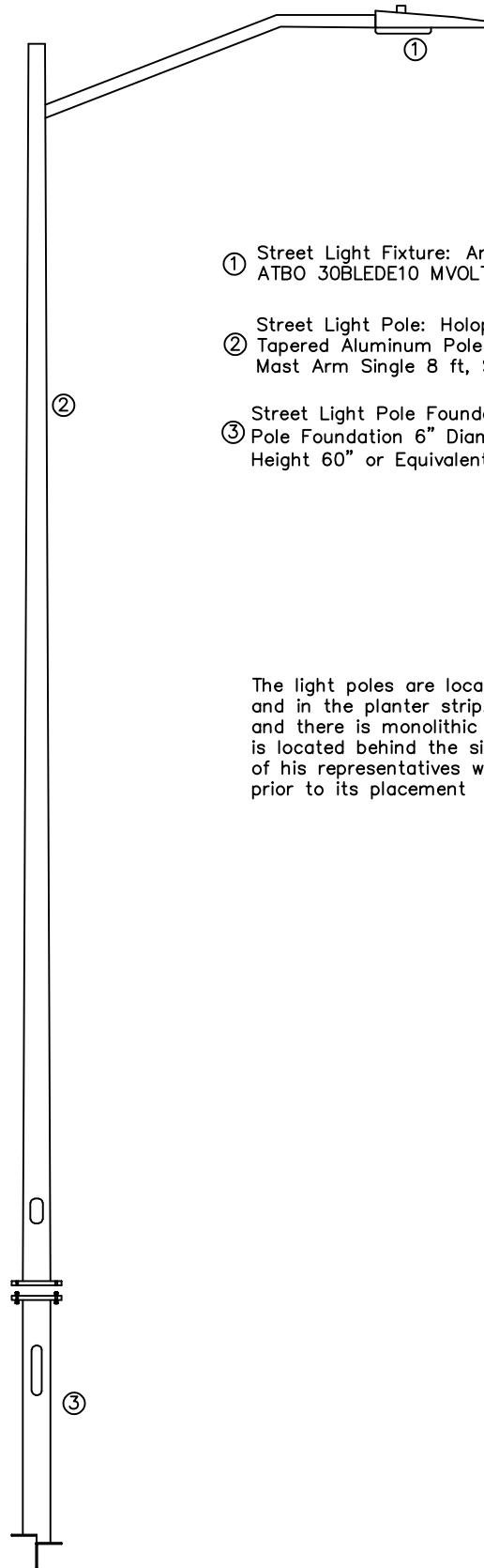
SECTION A-A

- ① 10' OF  $\frac{4}{0}$  BARE COPPER FOR GROUNDING, CITY WILL INSTALL
- ② LONG SIDE OF BOX TO PARALLEL SIDEWALK

PAD SWITCH SLEEVE

PAYSON CITY CORPORATION  
ELECTRIC DEPARTMENT

DRAWING NO. 02-50-0012



① Street Light Fixture: American Electric Lighting  
ATBO 30BLEDE10 MVOLT R4 P7 PCSS or 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 Equivalent

③ Street Light Pole Foundation: AB Chance C11232JG4VL  
Pole Foundation 6" Diameter Fits 9' to 14' Pole Base  
Height 60" or Equivalent

The light poles are located near the intersection of two roads  
and in the planter strip. If a planter strip does not exist  
and there is monolithic curb, gutter, and sidewalk then the pole  
is located behind the sidewalk. The Power Superintendent or one  
of his representatives will approve the location of the light pole  
prior to its placement

## STREET LIGHT POLE AND BASE DETAIL



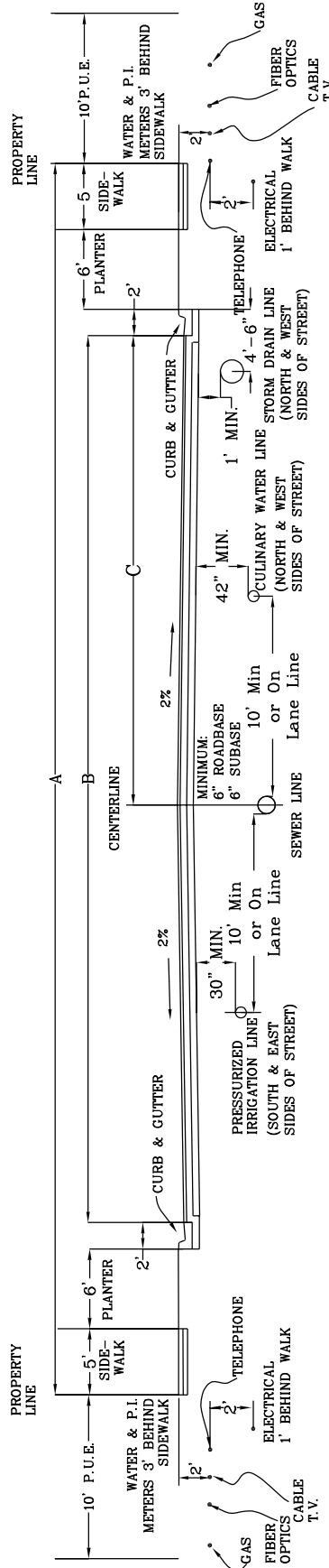
## **PAYSON CITY STANDARD DETAILS**

NOTES:

1. LOCATE CULINARY WATER METER BOX A MINIMUM OF 1' BEHIND BACK OF WALK.
2. LOCATE PRESSURIZED IRRIGATION BOX A MINIMUM OF 1' BEHIND BACK OF WALK.
3. LOCATE ALL ABOVE GROUND APPURENTCES, (i.e. ELECTRICAL TRANSFORMERS AND TELEPHONE PEDESTALS) BEHIND PROPERTY LINE IN THE PUBLIC UTILITY EASEMENT.
4. CURB, GUTTER, AND SIDEWALK SHALL BE POURED MONOLYTHICALLY. SLOPE THE SIDEWALK TOWARD THE CURB AT 1/4" PER FOOT.
5. INSTALL FIRE HYDRANTS ON THE WATER MAIN SIDE OF THE STREET A MINIMUM OF 2' BEHIND BACK OF WALK.

PAYSON CITY		Standard PLAN
CORPORATION	<b>STANDARD STREET CROSS SECTION</b>	<b>201</b>
JULY 2015		SHEET 1 OF 2

# STANDARD STREET RIGHT-OF-WAY CROSS-SECTION



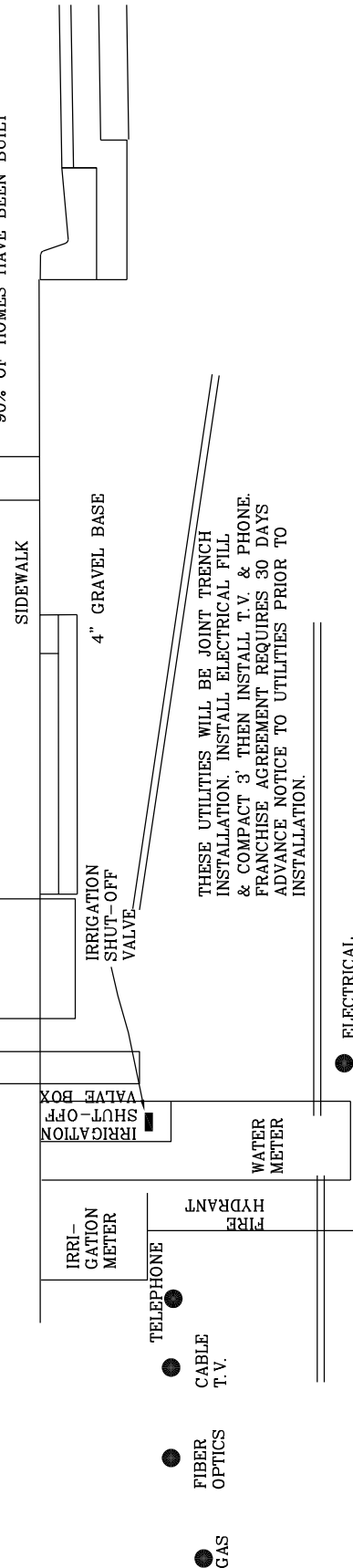
STREET DESIGNATION	A	B	C	ASPHALT * THICKNESS
RESIDENTIAL	60'	34'	17'	3 1/2"
MAJOR/MINOR COLLECTOR	76'	50'	25'	3 1/2"
ARTERIAL	98'	72'	36'	5"
ARTERIAL BIKE LANES	98'	72'	36'	5"
MH ZONES	VARIES	24'	12'	3 1/2"
A-5-H	VARIES	20'	12'	6" Gravel

THE A-5-H & HILLSIDE CROSS-SECTION IS ONLY FOR THESE USES AND THEY ARE PRIVATE ROADS. NO OTHER PRIVATE ROADS ARE ALLOWED AND MUST MEET THE RESIDENTIAL CROSS-SECTION AS A MINIMUM. ALLEY LOADED PRIVATE DRIVES WILL BE ALLOWED AND WILL MEET THE FIRE CODE FOR WIDTH. REFER TO THE ADOPTED TRANSPORTATION MASTER PLAN 2020 FOR STRIPING WIDTHS OF THE ROADS.

## DETAIL

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

PEDESTALS,  
TRANSFORMERS, ETC.

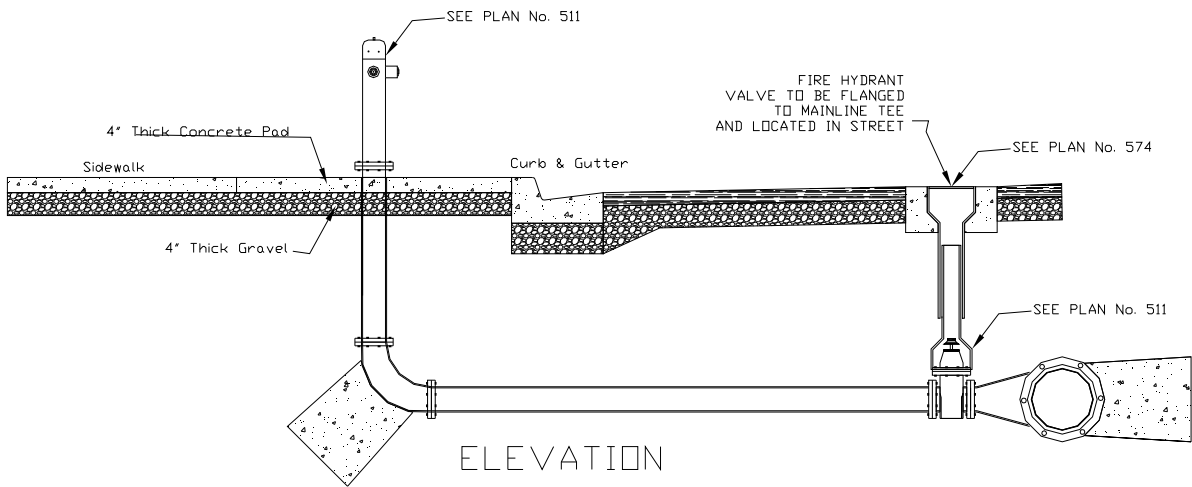
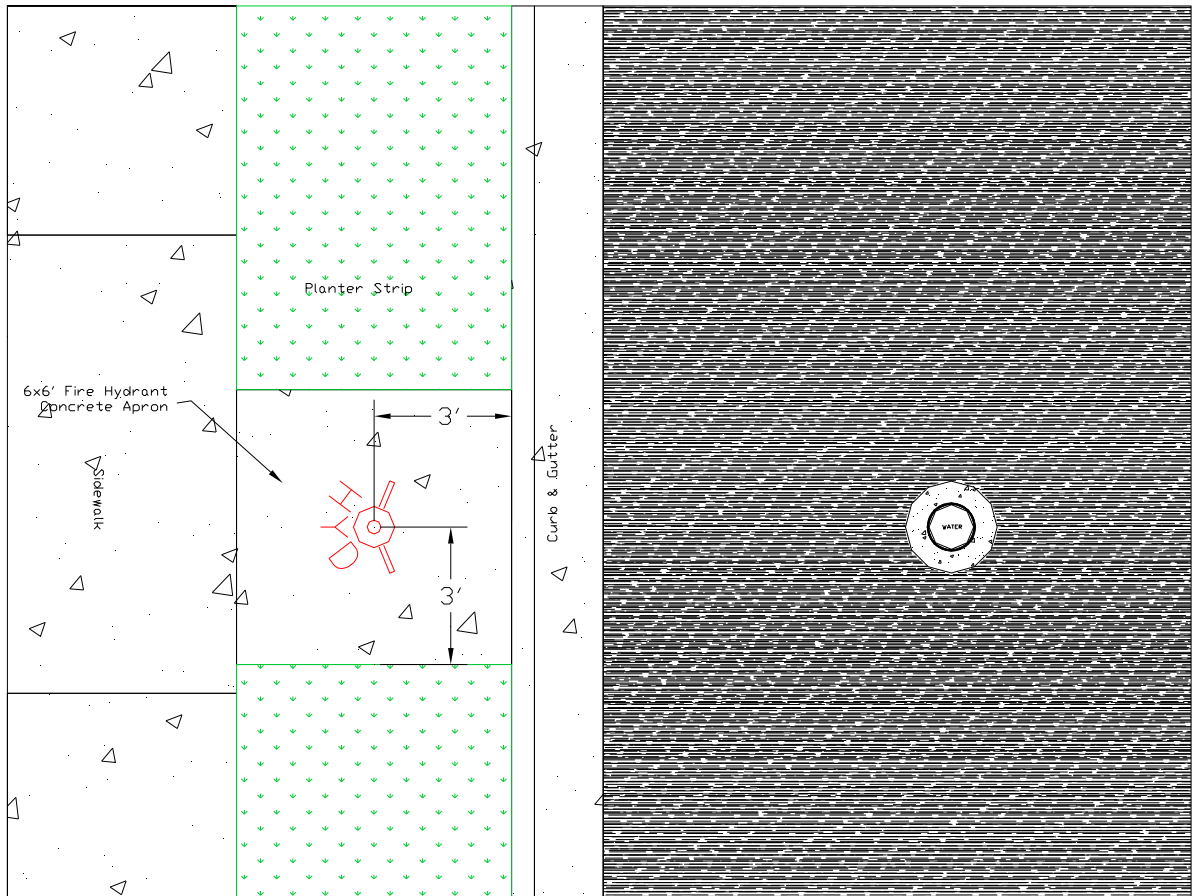




NOTES:

1. LOCATE FIRE HYDRANT IN MIDDLE OF 6'x6' CONCRETE APRON.
2. UNTREATED BASE COURES: 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 crakes develop if air temperature exceeds 90 degrees F.
  - b. Unless shown otherwise, provide ½ inch radius on concrete edges exposed to public view.
4. EXPANSION JOINTS: Full depth ½ inch thick type F1 joint filer 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 as per APWA Plan No. 511
7. HYDRANT VALVE: Install valve on the main with a flange connection to TEE.

PAYSON CITY		Standard PLAN
CORPORATION	<b>FIRE HYDRANT LOCATION AND 6'X6'APRON</b>	<b>203</b>
JULY 2015		SHEET 1 OF 2

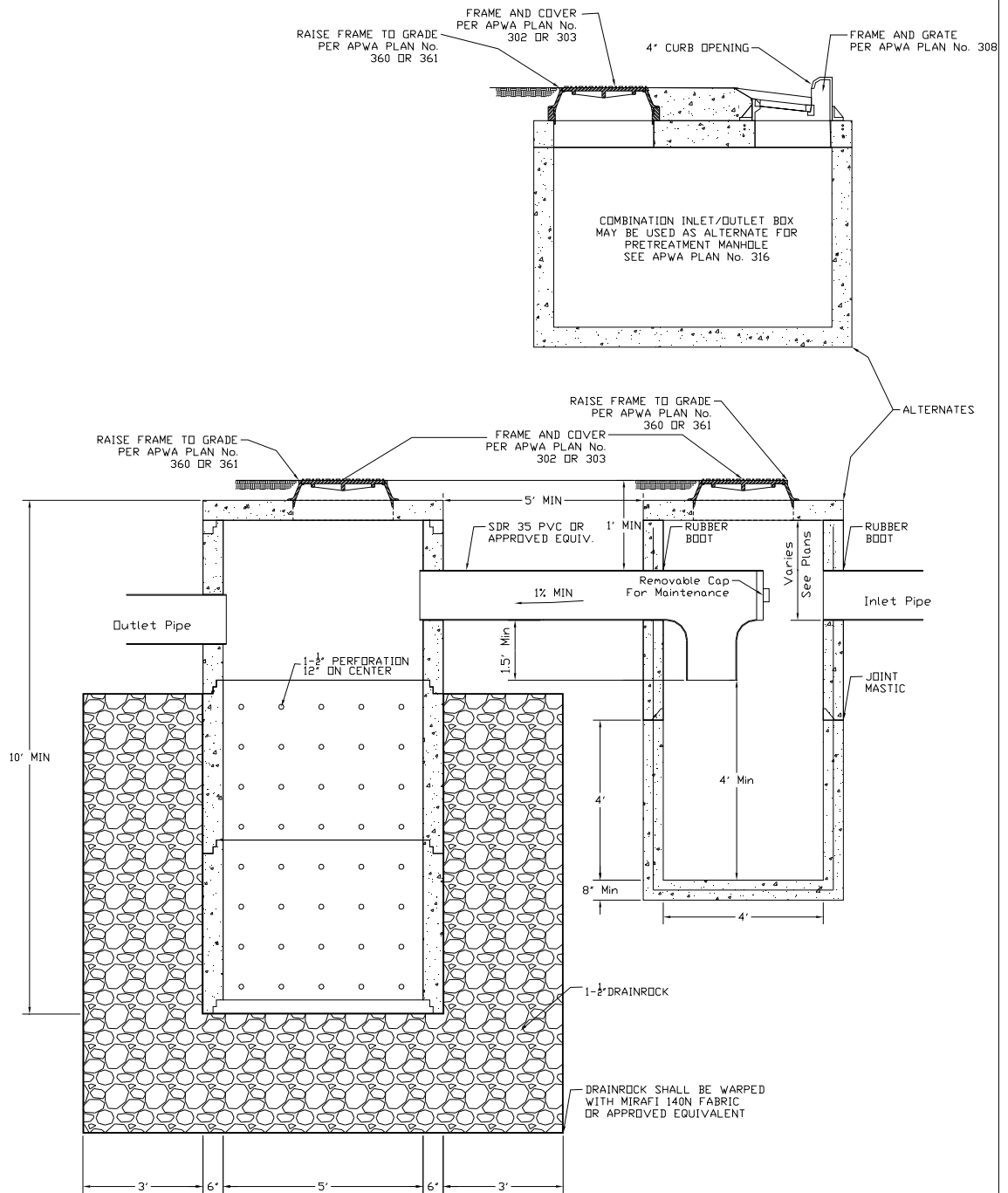


Payson City Corporation February 2005	Fire Hydrant Location and 6'x6'Apron	Standard Plan
		203
		Sheet 2 of 2

NOTES:

1. MANHOLE BASE AND ALL SECTIONS SHALL BE PRE-CAST TO CONFORM TO ASTM C478
2. THE SUMP SHALL BE CONCRETE.
3. THE PRE-TREATMENT MANHOLE SHALL BE CONSTRUCTED TO ENSURE WATER TIGHTNESS
4. THE SUMP SHALL BE LOCATED 5' OFFSET FROM MANHOLE PERPENDICULAR TO GUTTER ALIGNMENT
5. THE SUMP LID SHALL NOT BE LOCATED IN THE SIDEWALK SECTION
6. ANY APPROVED EQUIVALENTS REQUIRE CITY ENGINEER'S WRITTEN APPROVAL
7. D & L I-3518 OR APPROVED EQUIVALENT IS PREFERRED FOR CURB FACED INLETS

PAYSON CITY		Standard PLAN
CORPORATION	PRE-TREATMENT MANHOLE AND SUMP DETAIL	<b>343</b>
JULY 2015		SHEET 1 OF 2

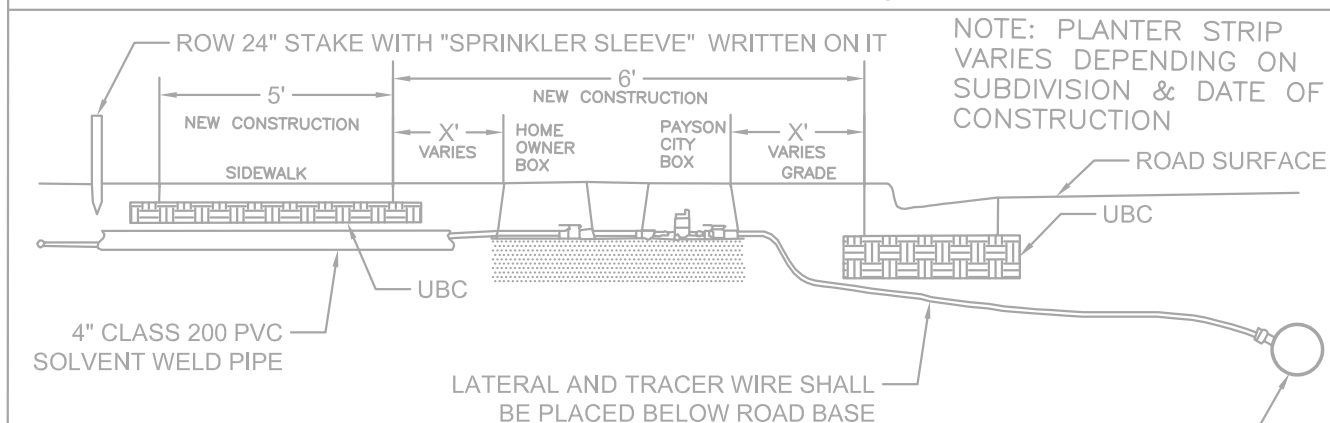
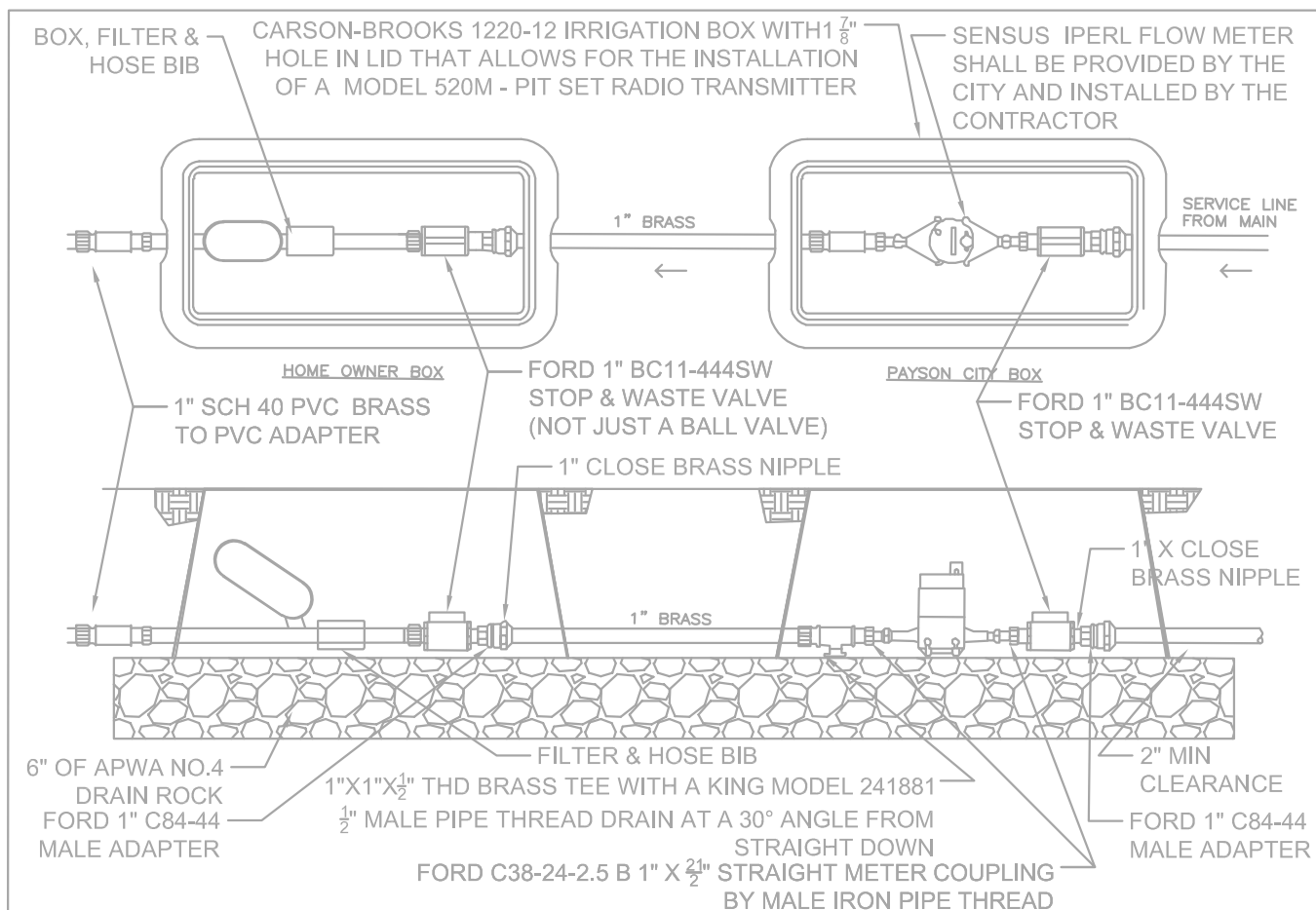


Payson City Corporation February 2005	<b>Pretreatment Manhole and Sump Detail Inlet/Outlet</b>	Standard Plan
		343
		Sheet 2 of 2

NOTES:

1. INSPECTION: PRIOR TO BACKFILLING, SECURE INSPECTION OF INSTALLATION BY ENGINEER
2. BACKFILL: 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
3. TAPPING: 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
4. PVC OR AC PIPE: A SERVICE SADDLE CLAMP IS REQUIRED ON ALL TAPS OF PVC AND AC PIPE UNLESS SPECIFIED OTHERWISE.
5. TAPE: TEFLON TAPE IS REQUIRED ON ALL TAPS
6. DEPTH OF SERVICE LINE: 12" BELOW FROST LINE OR 48" MINIMUM

PAYSON CITY		STANDARD PLAN
CORPORATION	<b>PRESSURIZED IRRIGATION SERVICE TAP</b>	<b>630</b>
JULY 2015		SHEET 1 OF 2



- NOTES:
1. STANDARD SERVICE SIZE SHALL BE 1 1/2" FOR DUAL SERVICES AND 1" FOR SINGLE SERVICES.
  2. STAINLESS STEEL LINER INSERTS WILL BE REQUIRED INSIDE OF TUBING AT COMPRESSION FITTINGS.
  3. ALL FITTINGS SHALL BE COMPATIBLE WITH SERVICE SIZE.
  4. SERVICE LATERAL SHALL SLOPE TOWARDS PRESSURIZED IRRIGATION MAIN.
  5. SPRINKLER SLEEVE SHALL NOT BE IN LINE WITH ANY UTILITY BOXES.
  6. NO OTHER CONNECTIONS OR EQUIPMENT ARE PERMITTED BY CONTRACTOR/HOME OWNER INSIDE PAYSON CITY BOX.
  7. 3' MINIMUM OFFSET FROM DRIVEWAYS
  8. LAYOUT APPLIES FOR 1" TO 4" SERVICE CONNECTIONS. THE SIZE OF THE METER AND FITTINGS WILL CHANGE WITH THE SERVICE SIZE.

PAYSON CITY

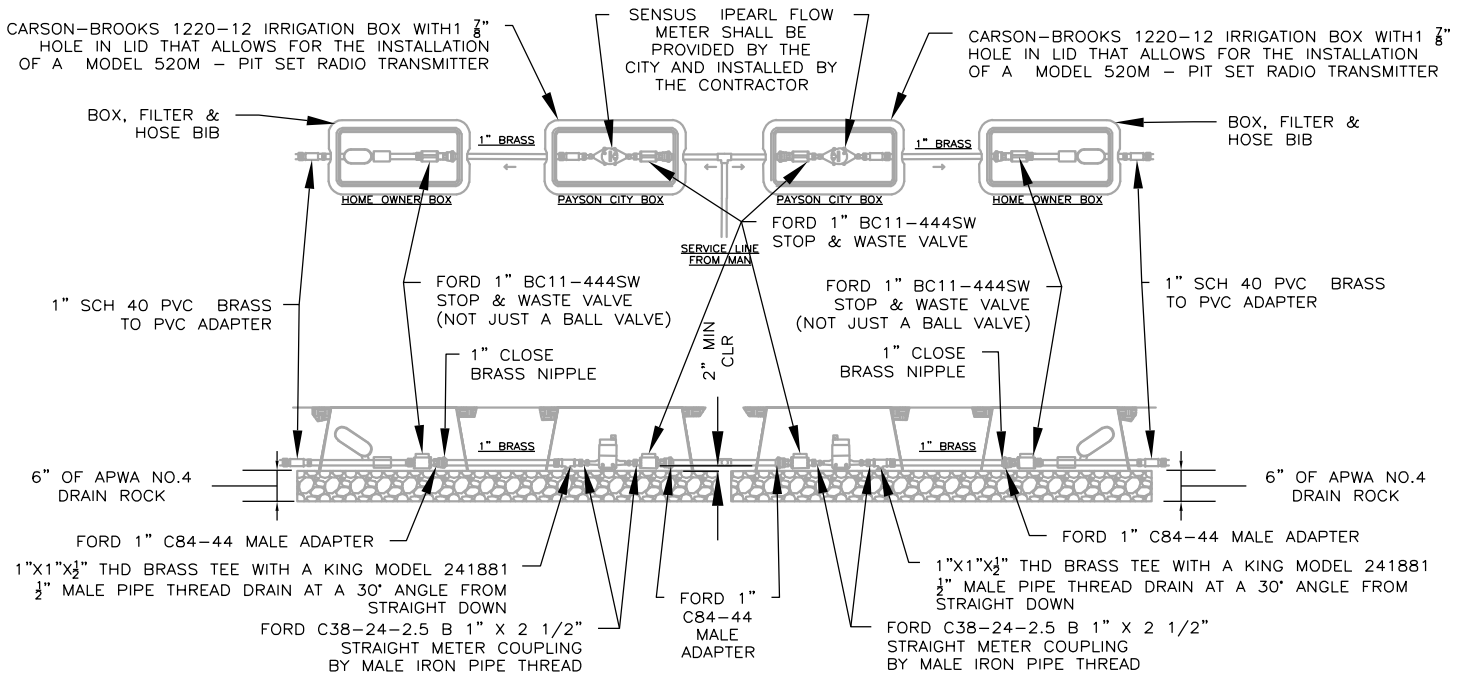
439 WEST UTAH AVE.  
PAYSON, UT 84651  
(801) 465-5200

STANDARD DRAWING

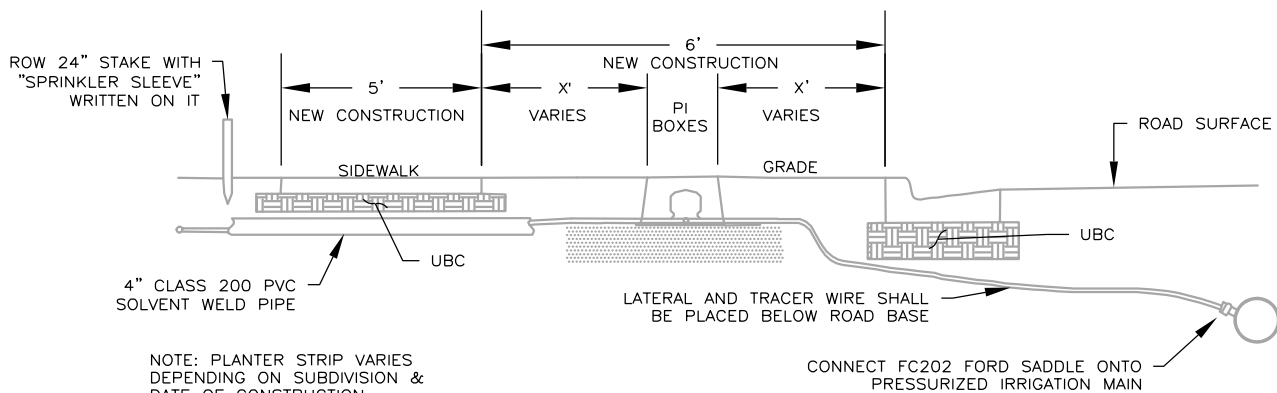
SINGLE SERVICE PRESSURIZED IRRIGATION SERVICE BOX & LATERAL

SCALE VARIES

STANDARD  
1 OF 2



IRRIGATION CONNECTION PLAN AND SECTION VIEWS



TRACER WIRE DETAIL

NOTES:

1. STANDARD SERVICE SIZE SHALL BE 1 1/2 inch FOR DUAL SERVICES AND 1 inch FOR SINGLE SERVICES.
2. STAINLESS STEEL LINER INSERTS WILL BE REQUIRED INSIDE OF TUBING AT COMPRESSION FITTINGS.
3. ALL FITTINGS SHALL BE COMPATIBLE WITH SERVICE SIZE.
4. SERVICE LATERAL SHALL SLOPE TOWARDS PRESSURIZED IRRIGATION MAIN.
5. SPRINKLER SLEEVE SHALL NOT BE IN LINE WITH ANY UTILITY BOXES.
6. NO OTHER CONNECTIONS OR EQUIPMENT ARE PERMITTED BY CONTRACTOR/HOME OWNER INSIDE PAYSON CITY BOX.
7. 3' MINIMUM OFFSET FROM DRIVEWAYS
8. LAYOUT APPLIES FOR 1 inch TO 4 inch SERVICE CONNECTIONS. THE SIZE OF THE METER AND FITTINGS WILL CHANGE WITH THE SERVICE SIZE.

PAYSON CITY

439 WEST UTAH AVE.  
PAYSON, UT 84651  
(801) 465-5200

.\\CITY LOGO\\Payson-City.jpg

STANDARD DRAWING

DUAL SERVICE PRESSURIZED  
IRRIGATION SERVICE BOX & LATERAL

SCALE  
N.T.S.

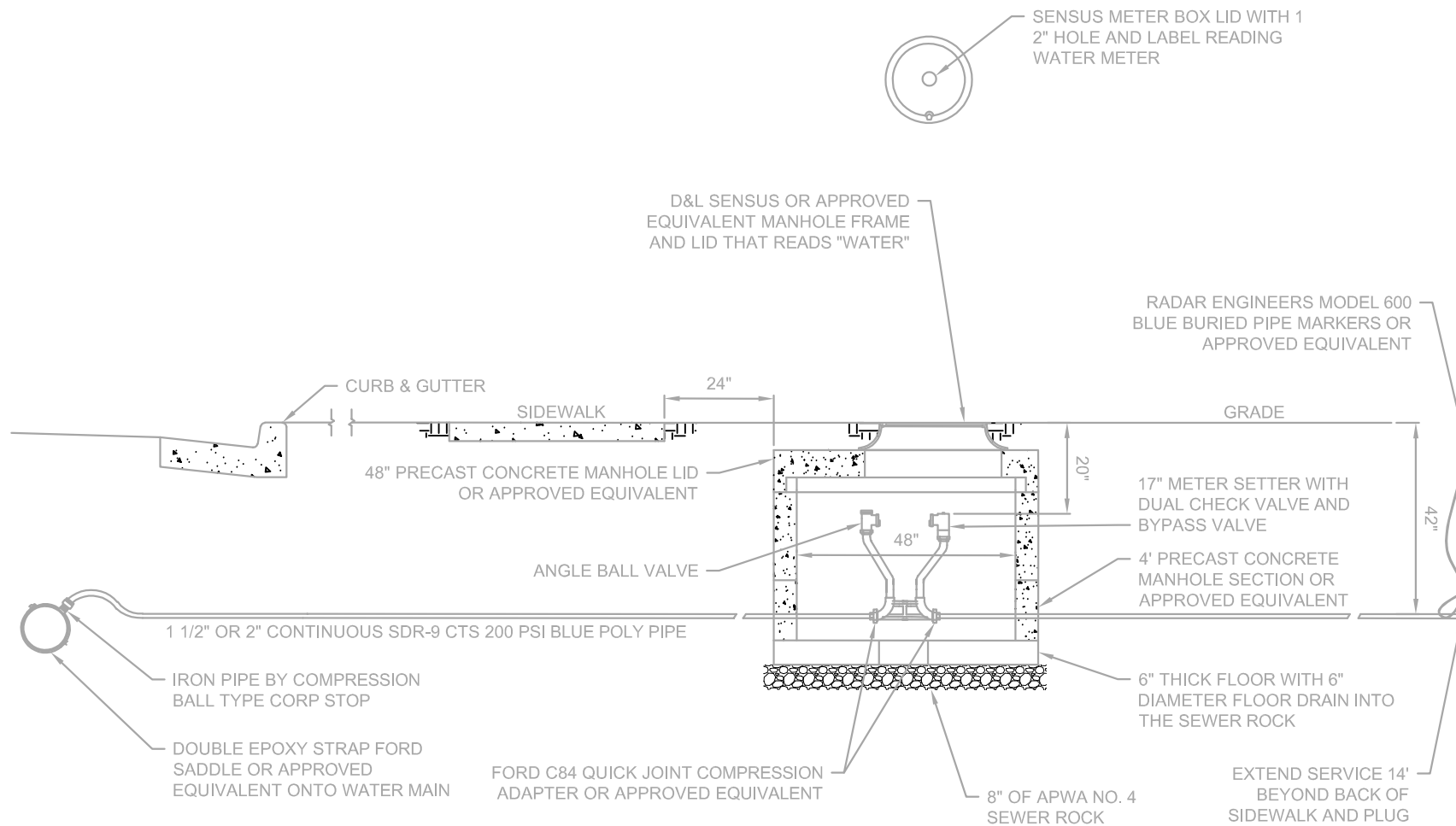
STANDARD #  
19-02

APPROVAL DATE:

APPROVED BY:

1 OF 1

# 1.5" & 2" CULINARY & PI METER DETAIL



## NOTES:

1. CONTRACTOR SHALL INSTALL 1 1/2" AND 2" METERS (METER TO BE PROVIDED BY PAYSON CITY).
2. TYPE OF METER TO BE USED SHALL BE DETERMINED BY THE CITY.



# BACKFLOW PREVENTION ASSEMBLY DETAIL

## 1" THRU 3" PIPE SIZES

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 EQUIVALENT ONLY.

4. ALL PIPE FITTINGS TO BE TYPE K HARD COPPER.

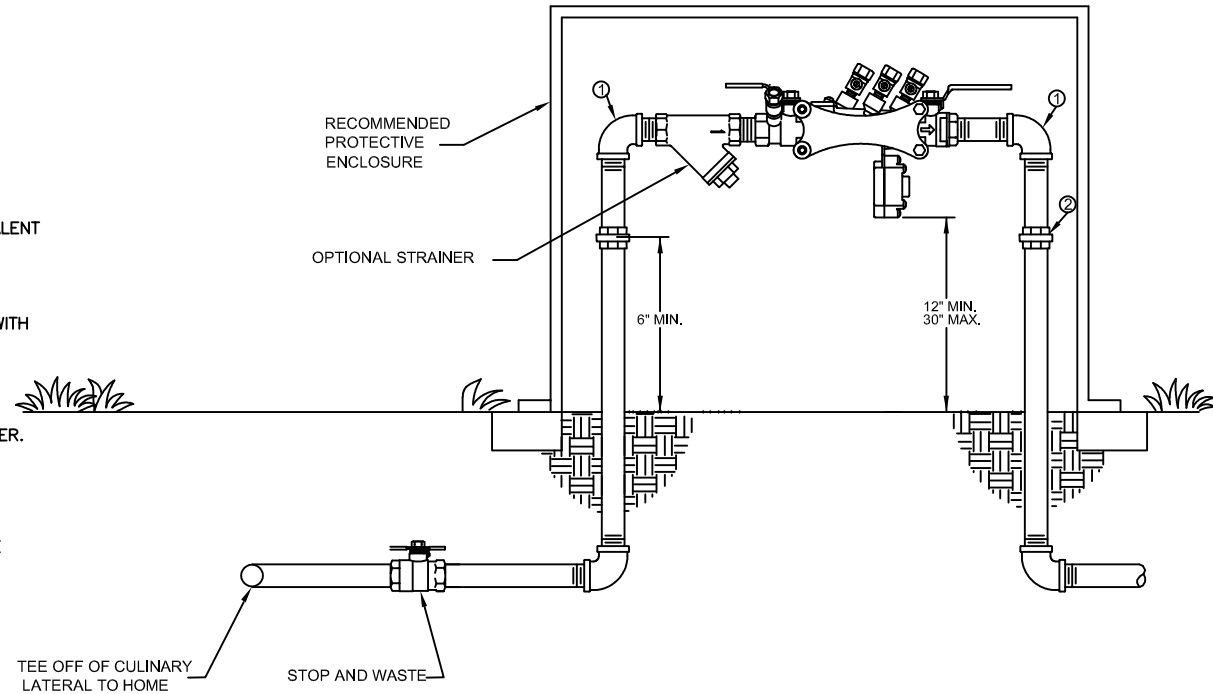
5. ALL TEST COCKS – 4 REQ'D – SHALL BE FITTED WITH BRASS PLUGS AND INSTALLED WITH TEFLON TAPE.

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.

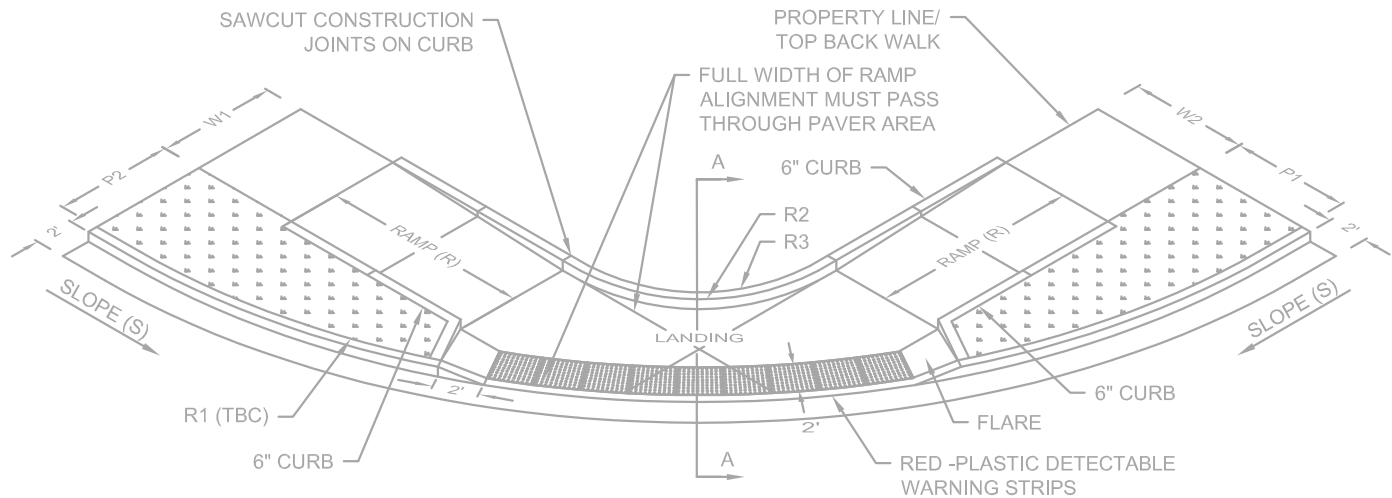
9. THE ENTIRE ASSEMBLY AND EVERYTHING AFTER THE CULINARY METER IS THE RESPONSIBILITY OF THE HOME OWNER TO MAINTAIN AND THE YEARLY TESTING ON ASSEMBLY.



DIRECTION OF FLOW ➡

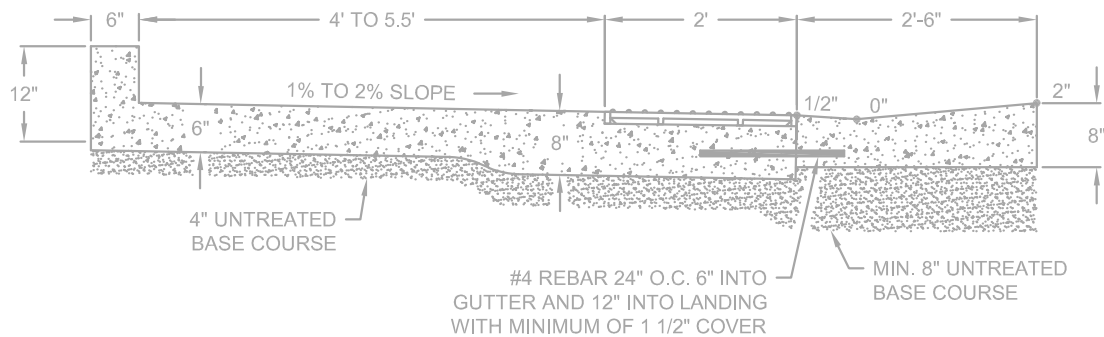
OUTDOOR INSTALLATION





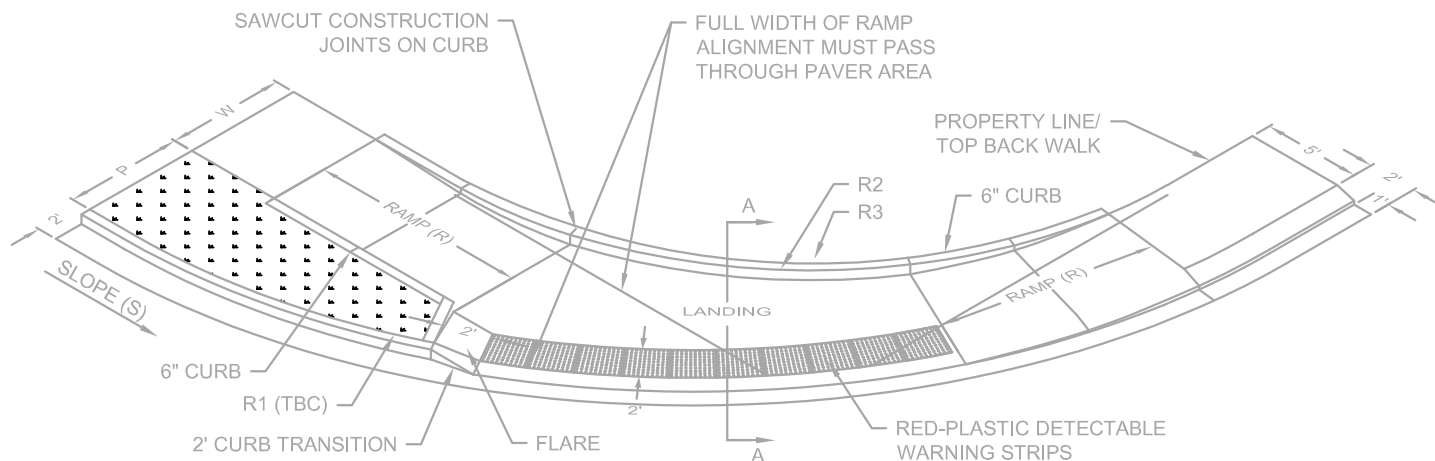
SLOPE OF CURB AND GUTTER TO LANDING (S)	RAMP LENGTH (R)	CURB WALL
0.45% OR LESS	5'	NO
0.45% TO 2.0%	10'	YES
2% OR MORE	15'	YES

STREET TBC RADIUS (R1)				35' RADIUS		30' RADIUS		25' RADIUS	
SIDEWALK WIDTH (W1)	PLANTER WIDTH (P1)	SIDEWALK WIDTH (W2)	PLANTER WIDTH (P2)	PROPERTY LINE RADIUS (R2)	TOP BACK CURB RADIUS (R3)	PROPERTY LINE RADIUS (R2)	TOP BACK CURB RADIUS (R3)	PROPERTY LINE RADIUS (R2)	TOP BACK CURB RADIUS (R3)
5'	6'	5'	6'	12'	11'6"	7'	6'6"	5'6"	5'



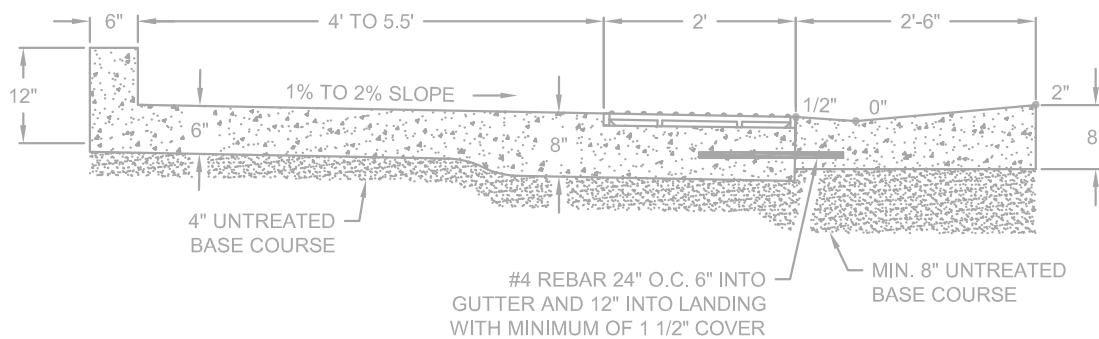
**SECTION A-A**

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



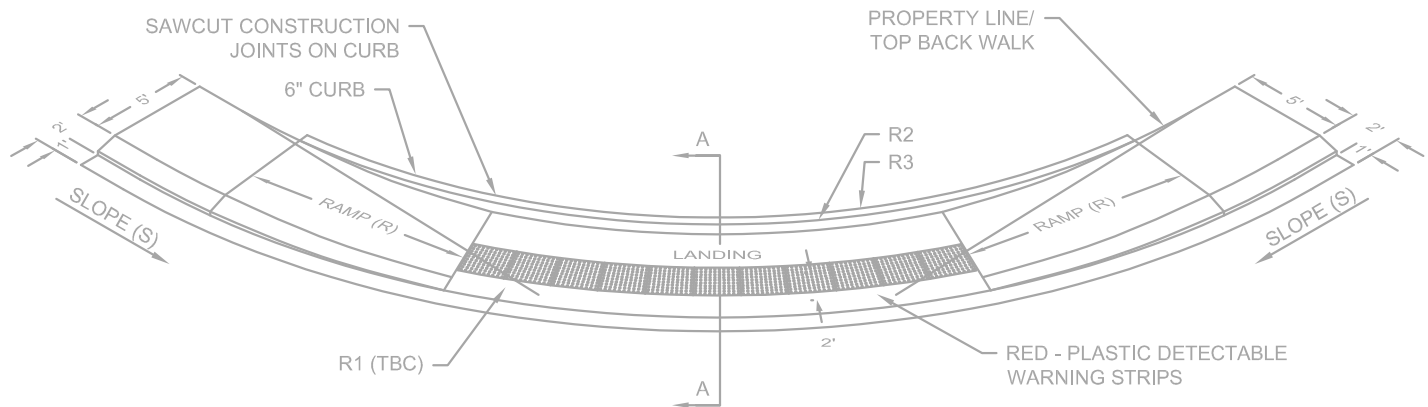
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0.45% OR LESS	5'	NO
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2% OR MORE	15'	YES

STREET TBC RADIUS (R1)		35' RADIUS		30' RADIUS		25' RADIUS	
SIDEWALK WIDTH (W)	PLANTER WIDTH (P)	PROPERTY LINE RADIUS (R2)	TOP BACK CURB RADIUS (R3)	PROPERTY LINE RADIUS (R2)	TOP BACK CURB RADIUS (R3)	PROPERTY LINE RADIUS (R2)	TOP BACK CURB RADIUS (R3)
5'	6'	23'6"	23'	19'6"	19'	13'	12.5'



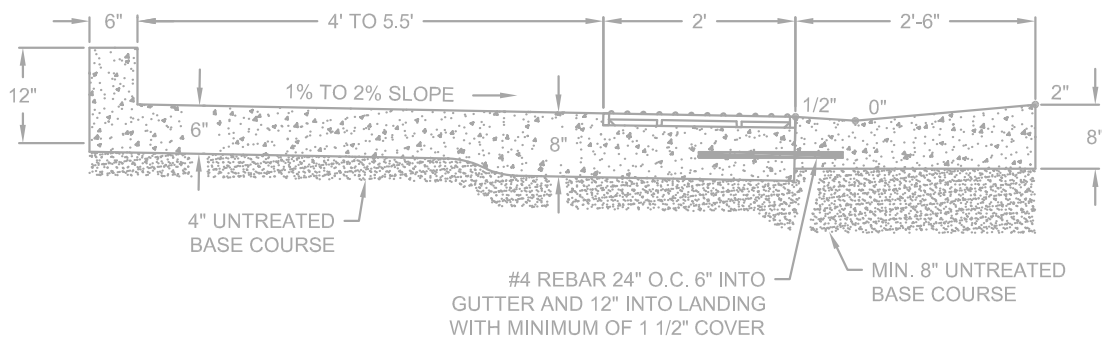
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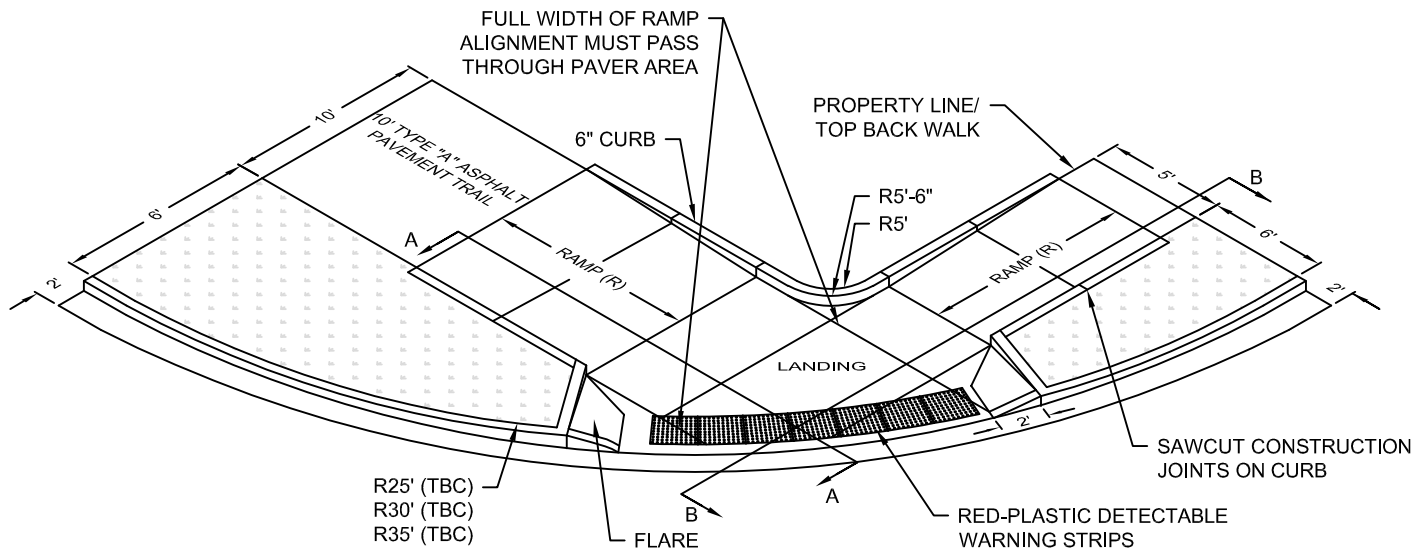
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STREET TBC RADIUS (R1)	35'		30'		25'	
SIDEWALK WIDTH (W)	PROPERTY LINE RADIUS (R2)	TOP BACK CURB RADIUS (R3)	PROPERTY LINE RADIUS (R2)	TOP BACK CURB RADIUS (R3)	PROPERTY LINE RADIUS (R2)	TOP BACK CURB RADIUS (R3)
5'	30'6"	30'	25'6"	25'	20'5"	20'

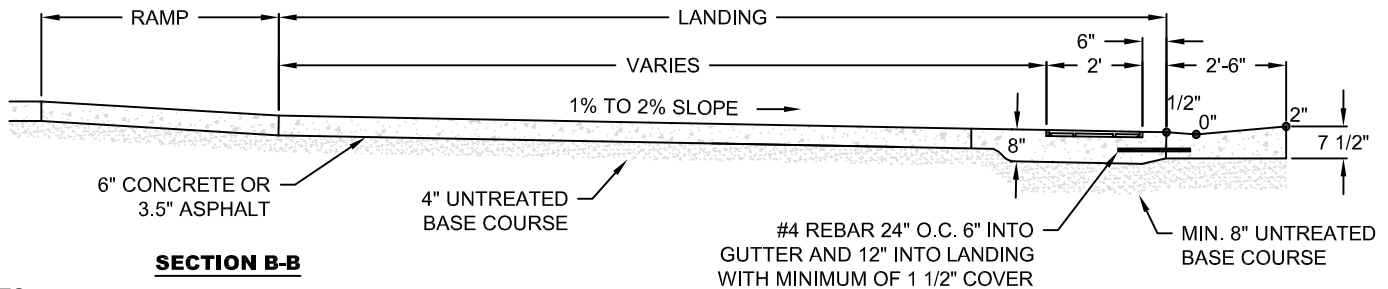
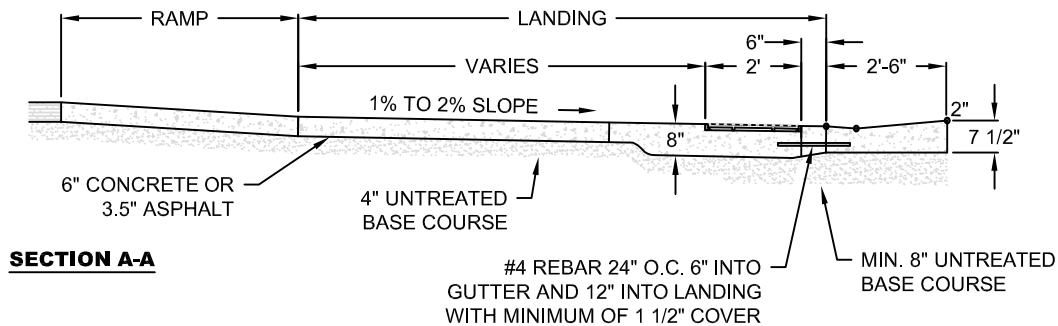


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  7. POUR CONCRETE PEDESTRIAN RAMP BEFORE PAVING TRAIL.

## CORNER PEDESTRIAN RAMP FOR SIDEWALKS CONNECTING TO TRAILS

STANDARD  
ADA - 4