



**CITY OF TALENT**  
**STANDARD DETAILS**

**Amended June 18, 2014**

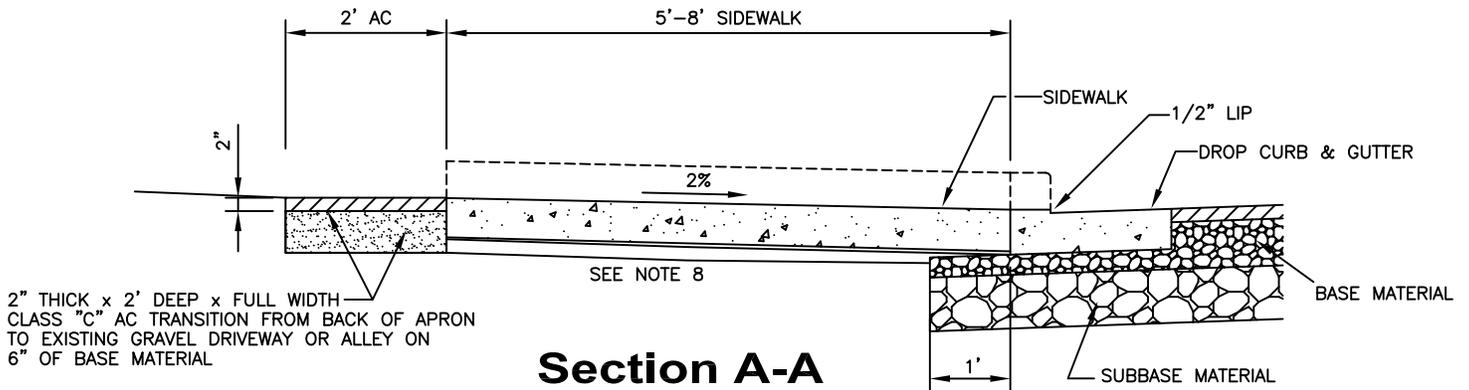
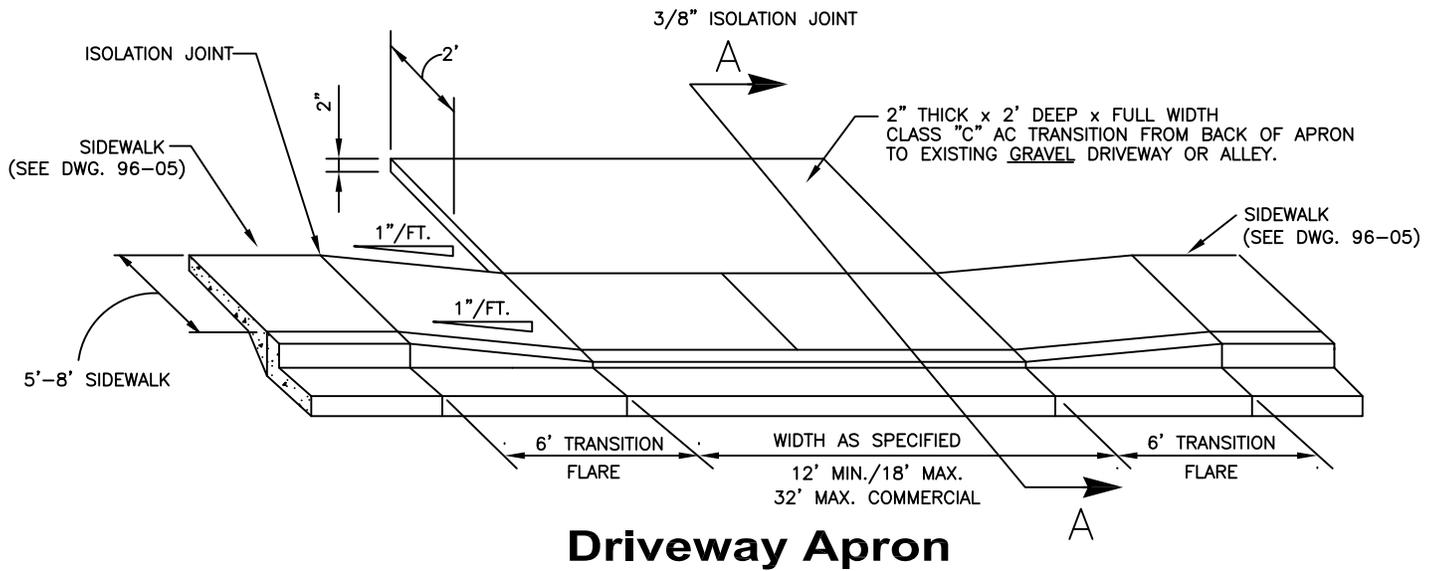
RH2  
Consulting Engineers  
60 North 4<sup>th</sup> Street  
Central Point, OR 97502

## Standard Detail Index

<u>Drawing</u>	<u>Description</u>	<u>Drawing Name</u>
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96-02	Driveway Apron Adjacent to Parking Strip	DWY-STRP
96-03	Typical Wheelchair Ramp	WCRAMP
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96-05	Sidewalk Details	SIDEWALK
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## Water Line Detail Index

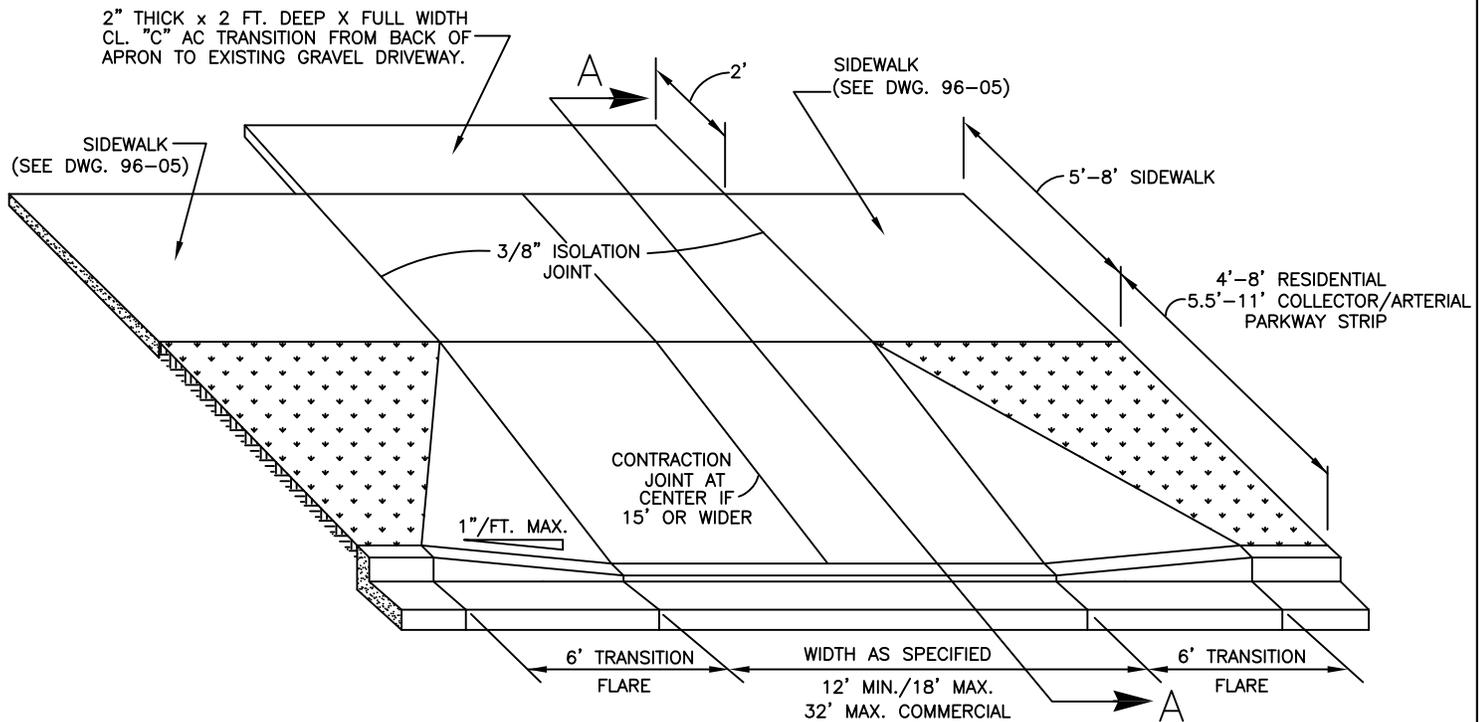
100	Meter Installation and Location
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102	Pressure Test, Chlorination, and Disinfection Tree with End Drain
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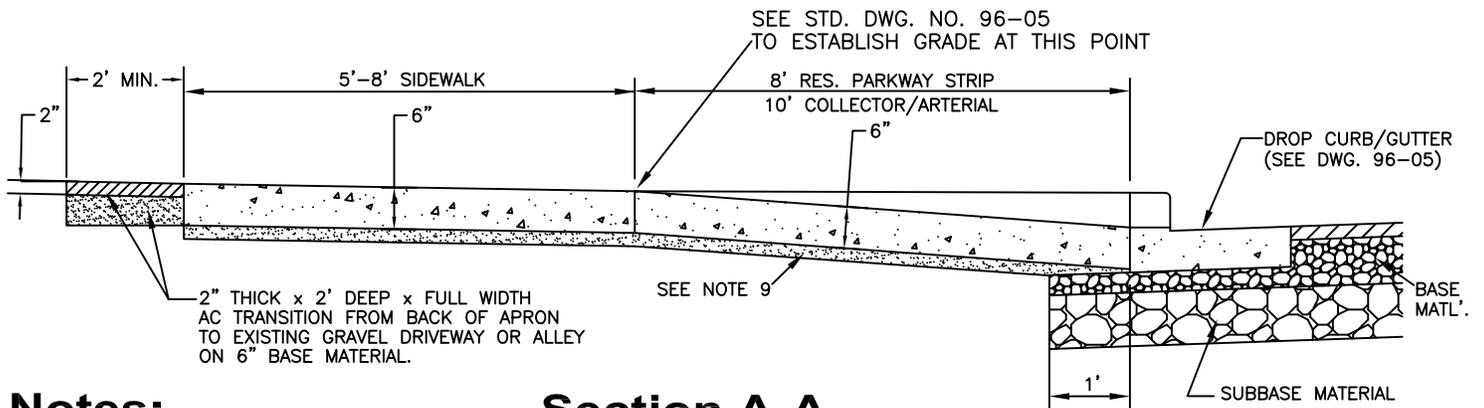
**Notes:**

1. RESIDENTIAL DRIVEWAYS AND SIDEWALK SECTIONS THROUGH DRIVEWAYS SHALL HAVE A NOMINAL THICKNESS OF 6".
2. CONCRETE FOR COMMERCIAL USE AND ALLEY APPROACHES SHALL HAVE A NOMINAL THICKNESS OF 6" WITH #4 REBAR 12" O.C. BOTH WAYS. (2" CLEAR)
3. MINIMUM DRIVEWAY WIDTH 12 FEET.
4. IF DRIVEWAY IS LESS THAN 15' WIDE DO NOT PLACE ISOLATION JOINT AT CENTER.
5. IF APRON AND DRIVEWAY ARE POURED AT THE SAME TIME, PLACE ISOLATION JOINT WHERE THEY MEET.
6. WHERE SIDEWALK IS ADJACENT TO CURB, CONSTRUCT A CONTRACTION JOINT WITH CURB JOINT (10') AND IN BETWEEN (5').
7. ALL MIX SHALL BE VIBRATED OR TAMPED, AS DIRECTED, FOR COMPACTION.
8. GRANULAR MATERIAL UNDER DRIVEWAYS AND SIDEWALK SECTIONS THROUGH DRIVEWAYS SHALL BE SAND, GRANITE, OR CRUSHED ROCK, MINIMUM 3", FIRMLY TAMPED.
9. ALL CONCRETE SHALL BE CLASS 3300 - 3/4" 0.54 W/C RATIO
10. ALL WORK, MATERIALS & CURING SHALL CONFORM TO 2002 OREGON APWA STANDARD SPEC'S, AS AMENDED BY THE CITY OF TALENT.

NO.	DATE	INITIAL	REVISIONS
DATE: 02/08		DRAWN: JAB	APPROVED: JLS
CITY OF TALENT STANDARD DETAIL			
<b>DRIVEWAY APRON ADJACENT TO CURB</b>			
SCALE: NONE			DWG. NO. 96-01



## Driveway/Alley Apron With Parking Strip



### Notes:

### Section A-A

1. RESIDENTIAL DRIVEWAYS AND SIDEWALK SECTIONS THROUGH DRIVEWAYS SHALL HAVE A NOMINAL THICKNESS OF 6".
2. CONCRETE FOR COMMERCIAL USE AND ALLEY APPROACHES SHALL HAVE A NOMINAL THICKNESS OF 6" WITH #4 REBAR 12" O.C. BOTH WAYS. (2" CLEAR)
3. MINIMUM DRIVEWAY WIDTH 12 FEET.
4. IF DRIVEWAY IS LESS THAN 15' WIDE DO NOT PLACE ISOLATION JOINT AT CENTER.
5. IF APRON AND DRIVEWAY ARE POURED AT THE SAME TIME, PLACE ISOLATION JOINT WHERE THEY MEET.
6. WHERE SIDEWALK IS ADJACENT TO CURB, CONSTRUCT A CONTRACTION JOINT WITH CURB JOINT (10') AND IN BETWEEN (5').
7. ALL MIX SHALL BE VIBRATED OR TAMPED, AS DIRECTED, FOR COMPACTION.
8. GRANULAR MATERIAL UNDER DRIVEWAYS AND SIDEWALK SECTIONS THROUGH DRIVEWAYS SHALL BE CRUSHED ROCK, MINIMUM 3", COMPACTED TO 95% IN DRIVEWAYS AND 90% IN SIDEWALKS (ODOT TM-106)
9. ALL CONCRETE SHALL BE CLASS 3300 - 3/4" 0.54 W/C RATIO
10. ALL WORK, MATERIALS & CURING SHALL CONFORM TO 1990 OREGON APWA STANDARD SPEC'S, AS AMENDED BY THE CITY.

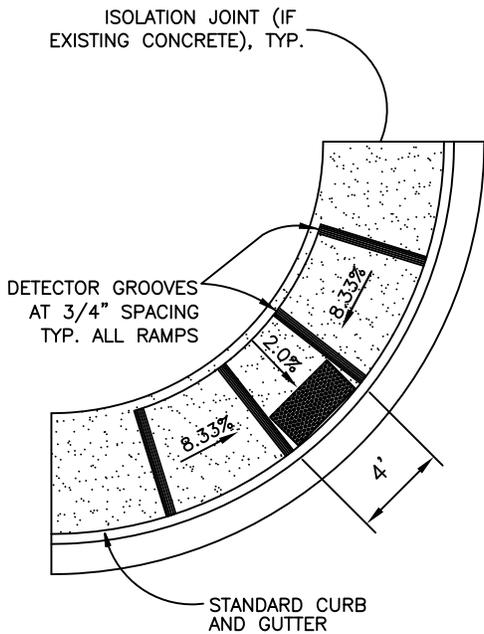
NO.	DATE	INITIAL	REVISIONS

DATE: 02/08      DRAWN: JAB      APPROVED: JLS

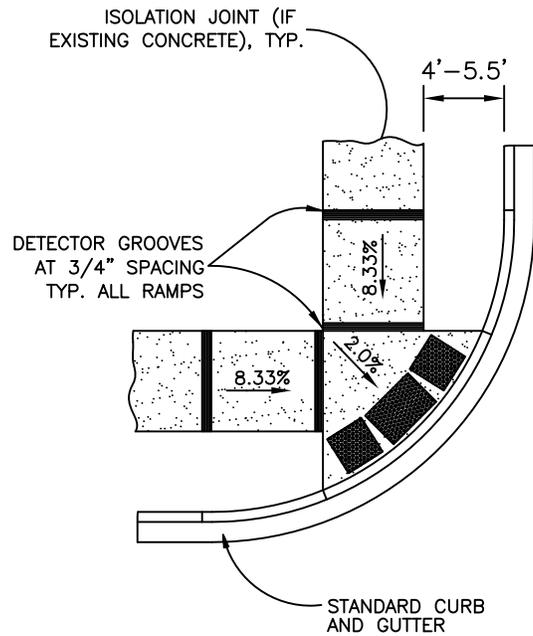
CITY OF TALENT  
STANDARD DETAIL

### DRIVEWAY APRON ADJACENT TO PARKING STRIP

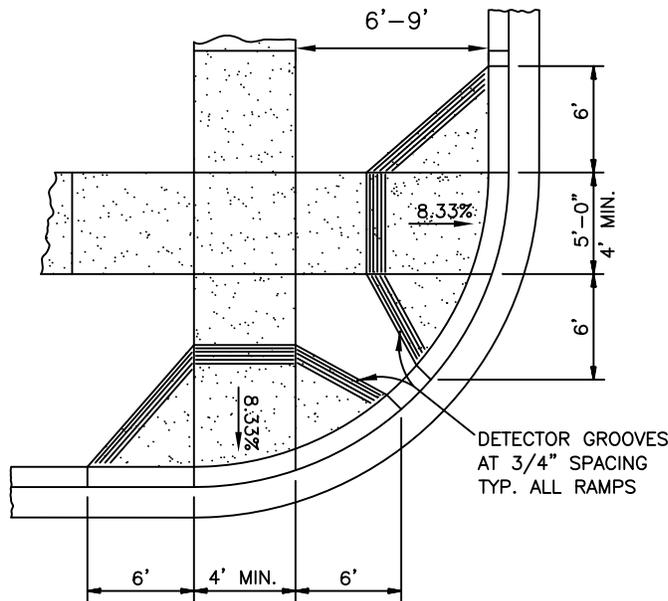
SCALE: NONE      DWG. NO. 96-02



**Center Ramp For Curb Line Sidewalk**

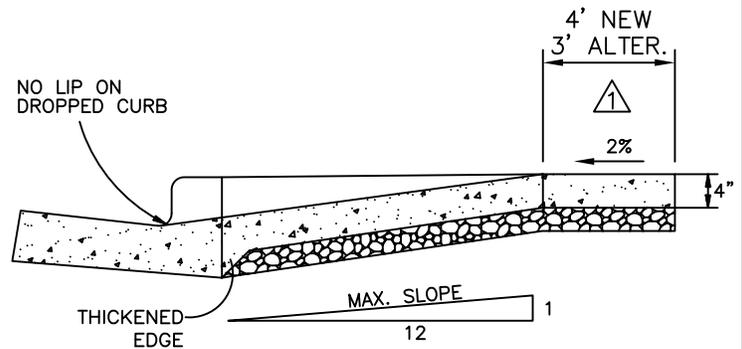


**Center Ramp For Property Line Sidewalk W/ Narrow Park Row**



**End Ramps For Property Line Sidewalks**

(COMMERCIAL AREAS OR ARTERIAL STREETS)

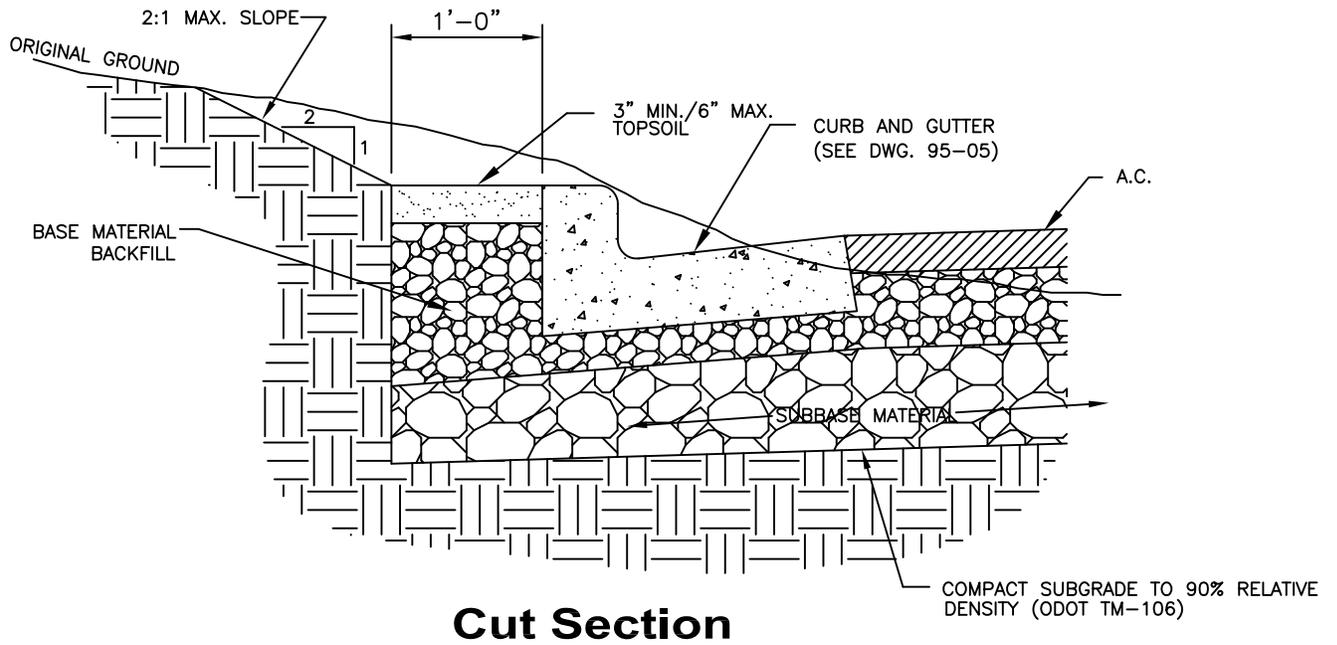
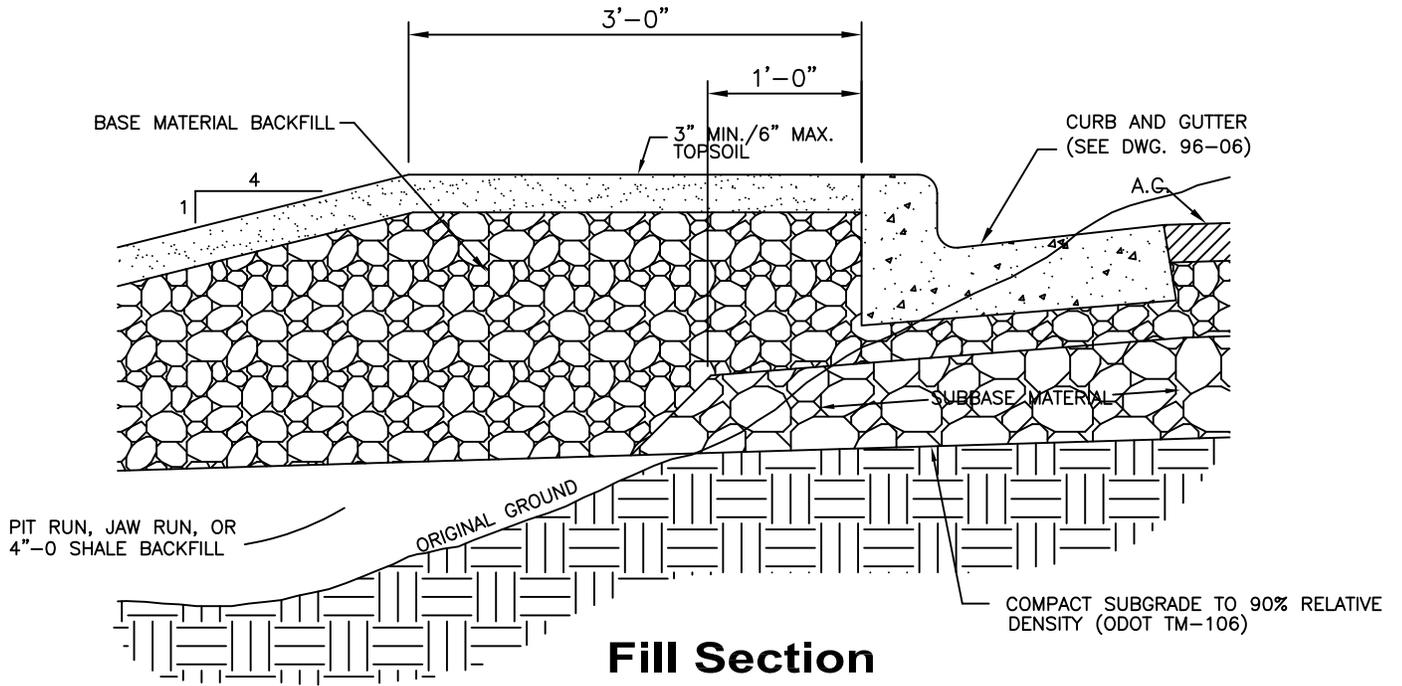


**Section Through Ramp - All Views**

**NOTES**

- 1) THE "AMERICANS WITH DISABILITIES ACT" REQUIRES THAT ACCESS RAMPS TO SIDEWALKS HAVE NO SLOPES GREATER THAN 12 HORIZONTAL TO 1 VERTICAL.
- 2) MIN. OF 2" GRANULAR CUSHION.
- 3) P.C.C. SHALL BE CLASS 3300 - 3/4" 0.54 W/C RATIO
- 4) IN CERTAIN AREAS THE RAMP MAY BE LOCATED TO MATCH CROSSWALKS OR TWO RAMPS MAY BE REQUIRED.
- 5) IN AREAS OF EXISTING CURB AND GUTTER, REMOVE AND REPLACE BOTH CURB AND GUTTER.

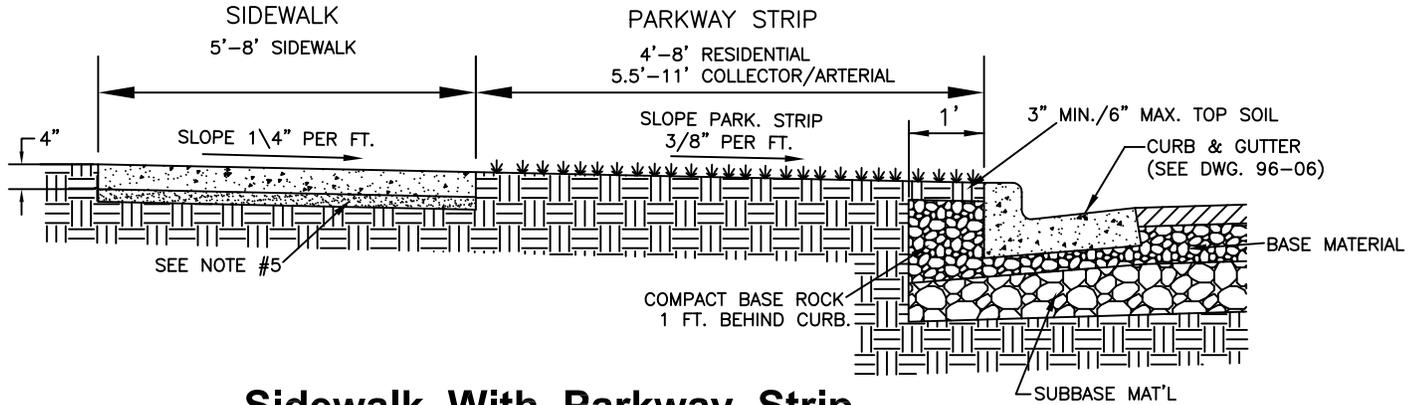
NO.	DATE	INITIAL	REVISIONS
DATE: 02/08		DRAWN: JAB	APPROVED: JLS
CITY OF TALENT STANDARD DETAIL			
<b>TYPICAL WHEELCHAIR RAMP</b>			
SCALE: NONE		DWG. NO. 96-03	



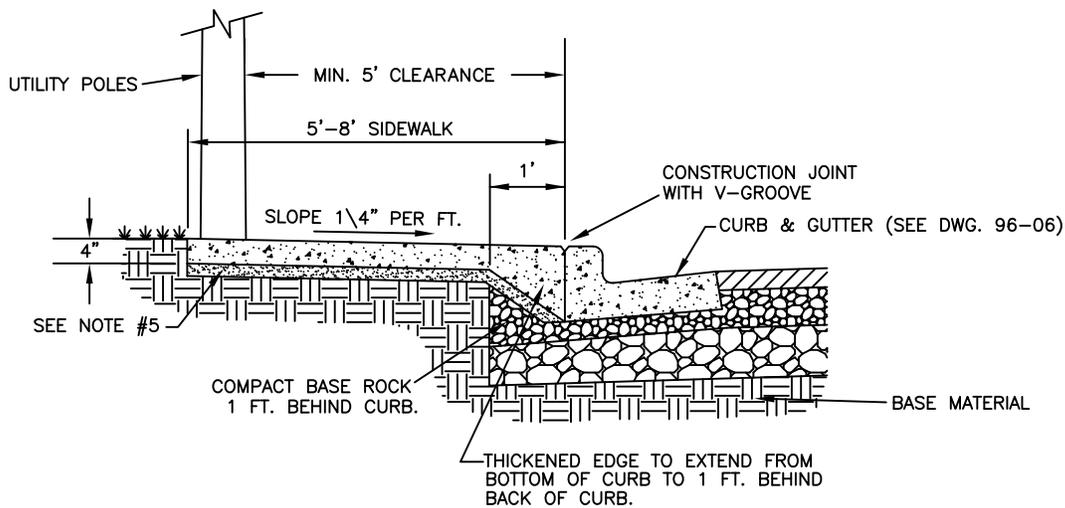
**NOTES:**

- 1) COMPACT ALL BACKFILL BEHIND CURBS TO 90% MINIMUM.

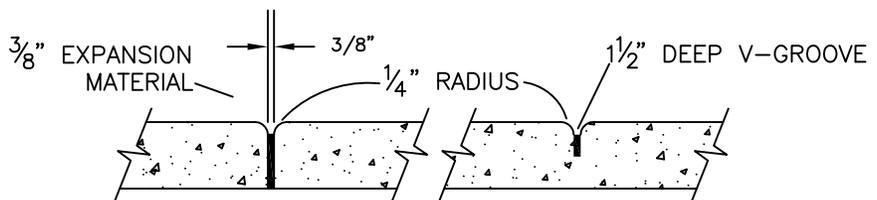
NO.	DATE	INITIAL	REVISIONS
DATE: 02/08		DRAWN: JAB	APPROVED: JLS
CITY OF TALENT STANDARD DETAIL			
<b>CURB BACKFILL DETAILS</b>			
SCALE: NONE		DWG. NO. 96-04	



### Sidewalk With Parkway Strip



### Sidewalk Adjacent To Curb



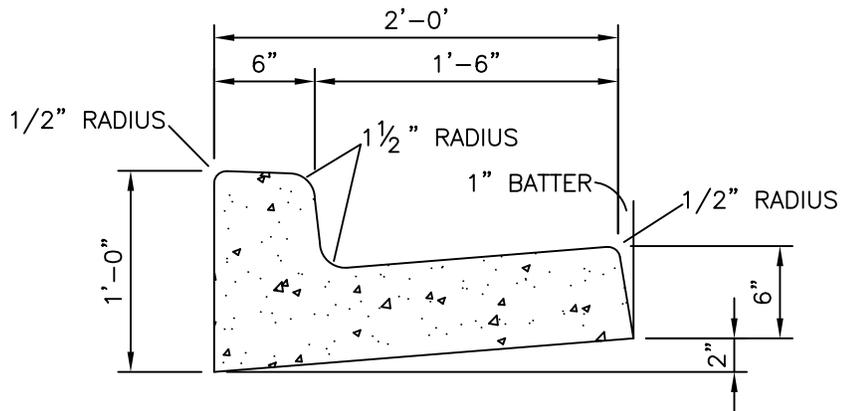
SIDEWALK ISOLATION JOINT  
PLACE EVERY 50'

SIDEWALK CONTRACTION JOINT  
PLACE EVERY 5'

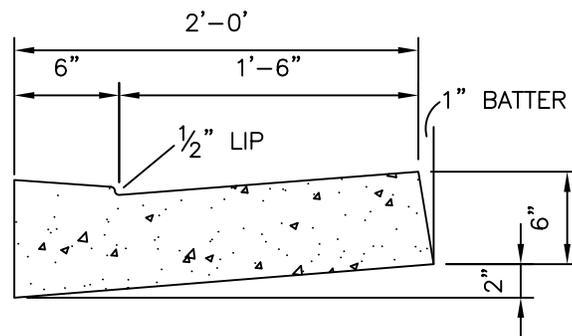
### Notes:

1. SIDEWALKS SHALL HAVE A NOMINAL THICKNESS OF 4".
2. SIDEWALK SECTIONS THROUGH DRIVEWAYS SHALL HAVE A NOMINAL THICKNESS OF 6".
3. WHERE SIDEWALK IS ADJACENT TO CURB, PLACE CONSTRUCTION JOINT IN LINE WITH CURB JOINT (10') AND IN BETWEEN (5').
4. ALL MIX SHALL BE VIBRATED OR TAMPED, AS DIRECTED, FOR COMPACTION.
5. GRANULAR MATERIAL UNDER SIDEWALKS & DRIVEWAY SHALL BE CRUSHED ROCK, COMPACTED TO 95% IN DRIVEWAY AREAS AND 90% IN SIDEWALKS (ODOT TM-106).
  - a. 2" MIN. THICKNESS UNDER SIDEWALKS.
  - b. 3" MIN. THICKNESS UNDER DRIVEWAYS.
6. ALL CONCRETE SHALL BE CLASS 3300 - 3/4" 0.54 W/C RATIO
7. ALL WORK & MATERIALS SHALL CONFORM TO 1990 OREGON APWA STANDARD SPECS. AS AMENDED BY THE CITY.

NO.	DATE	INITIAL	REVISIONS
DATE: 02/08		DRAWN: JAB	APPROVED: JLS
CITY OF TALENT STANDARD DETAIL			
<b>SIDEWALK DETAILS</b>			
SCALE: NONE		DWG. NO. 96-05	



**STANDARD CURB AND GUTTER**

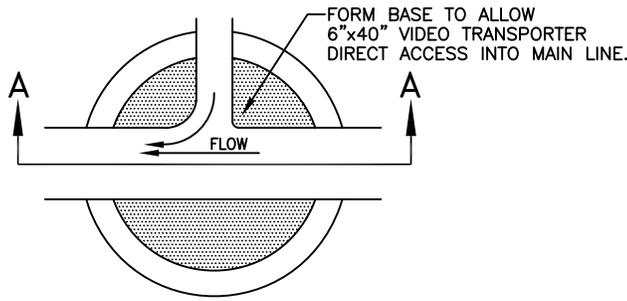


**DROP CURB AND GUTTER  
AT DRIVEWAY APRONS**

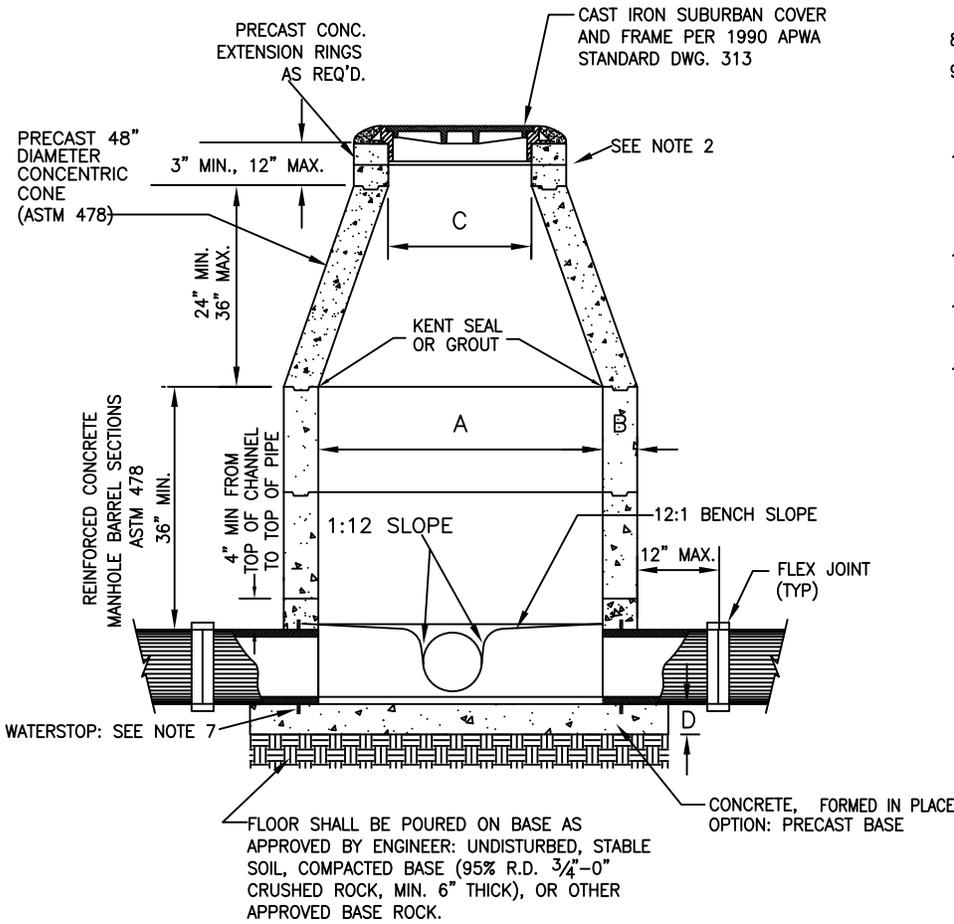
**Notes:**

1. ALL CONCRETE SHALL BE CLASS 3300 - 3/4" 0.54 W/C RATIO
2. ALL WORK & MATERIALS SHALL CONFORM TO 1990 OREGON APWA STANDARD SPEC'S. AS AMENDED BY THE CITY.
3. INSTALL CONTRACTION JOINTS EVERY 10', AND 3/8" ISOLATION JOINTS EVERY 100', AND AT END OF CURB RETURNS

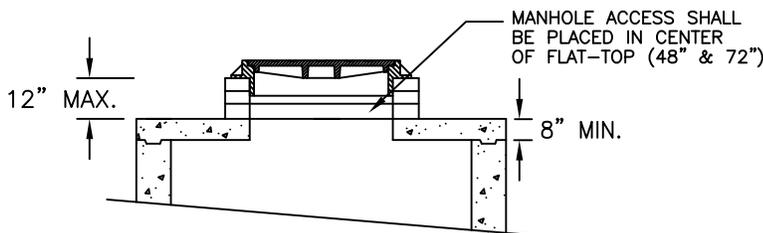
NO.	DATE	INITIAL	REVISIONS
DATE: 02/08		DRAWN: JAB	APPROVED: JLS
CITY OF TALENT STANDARD DETAIL			
<b>CURB &amp; GUTTER DETAIL</b>			
SCALE: NONE		DWG. NO. 96-06	



**Plan View of Base**



**Section A-A**



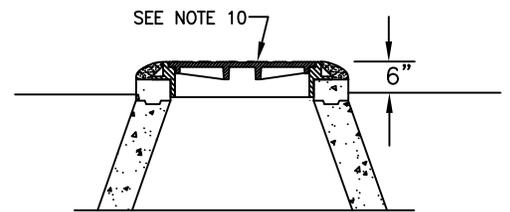
**48" & 72" Reinforced Manhole Flat-Top**

(See Note # 9)

PIPE SIZE $\phi$	A	B	C	D
24" OR LESS	48"	6"	24"	6"
27" TO 42"	72"	6"	24"	9"
48" & LARGER	SPECIAL MANHOLE STRUCTURE			

**Notes:**

1. CONCRETE SHALL BE CLASS 3300 - 3/4" 0.54 W/C RATIO.
2. FRAME AND RISER RINGS SHALL BE SEALED WITH PREFORMED PLASTIC OR RUBBER TO FORM A WATERTIGHT SEAL. GROUT MAY BE USED.
3. FORM STRAIGHT "U" CHANNEL WITH 1:12 SLOPE MORTAR SIDE. FULL CHANNEL PIPE WITH TOP HALF REMOVED IS ACCEPTABLE.
4. MAKE ALIGNMENT CHANGES WITH UNIFORM "U" CHANNEL, WITH SMOOTH CURVED PATH.
5. MAKE CHANGES IN CHANNEL SIZE WITH A SMOOTH, TAPERING TRANSITION.
6. FINISH PIPE ENDS FLUSH WITH INSIDE WALLS, GROUTED.
7. PIPE CONNECTION SHALL CONFORM WITH APWA OREGON CHAPTER, 1990 STANDARD SPEC'S FOR PUBLIC WORKS CONSTRUCTION SECTION 306.3.01B
8. STANDARD MANHOLE COVER MARKED "D" FOR DRAINAGE.
9. ALL 48" DIA. MANHOLES WITH A DEPTH OF 42" OR GREATER, FROM THE RIM TO THE TOP OF PIPE, SHALL USE A CONCENTRIC CONE (ASTM 478).
10. RING AND COVER TO PROJECT 6" ABOVE ADJACENT GROUND FOR MANHOLES OUTSIDE OF THE TRAVELLED WAY. SEE STD. DWG. 95-11 FOR MANHOLES IN THE TRAVELLED WAY.
11. ALL LIDS TO HAVE A PRY-NOTCH AND AT LEAST ONE BUT NOT MORE THAN TWO LIFT HOLES.
12. MAX. DROP ACROSS MANHOLE: 2'. DROPS EXCEEDING 2' SHALL BE A DROP MANHOLE, SEE DWG. NO. 95-12.
13. MANHOLE SHALL CONFORM WITH APWA OREGON CHAPTER 1990 STANDARD SPEC'S FOR PUBLIC WORKS CONSTRUCTION, AS AMENDED BY THE CITY.



**Outside Of Travelled Way Manhole Adjustment**

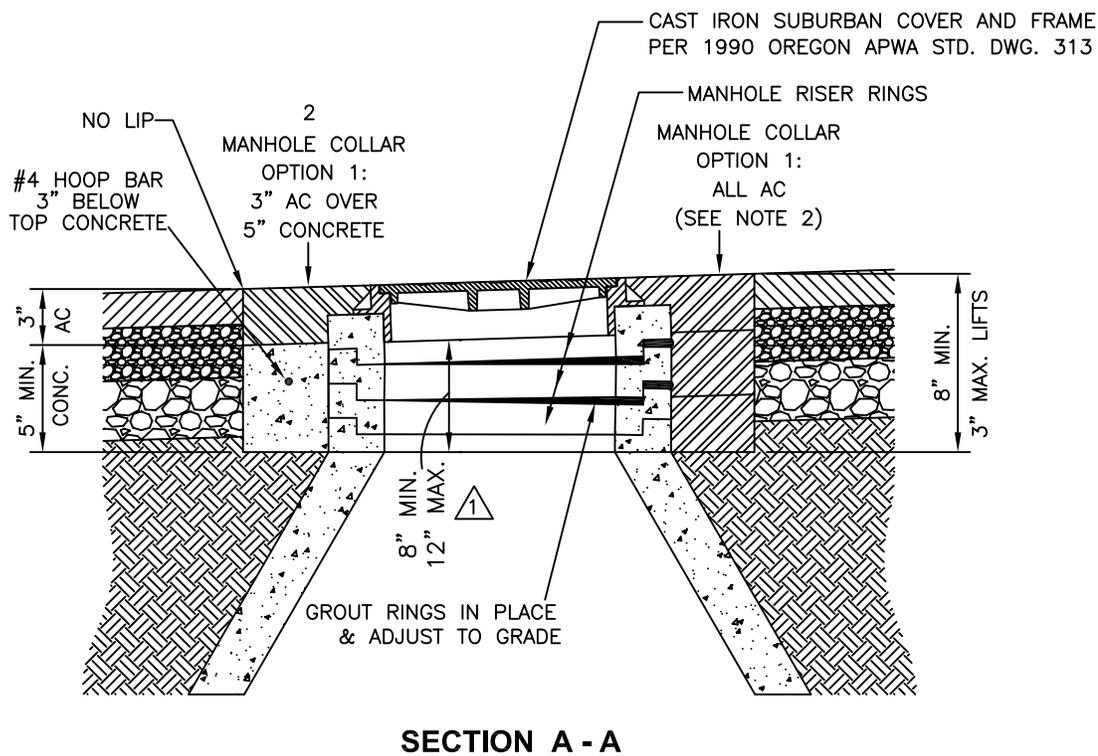
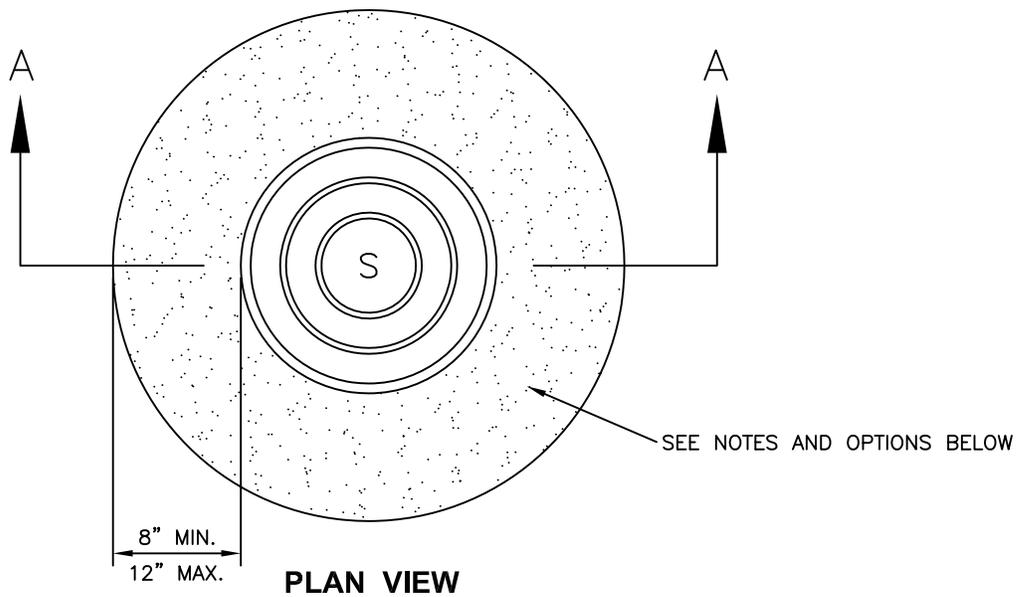
NO.	DATE	INITIAL	REVISIONS

DATE: 02/08      DRAWN: JAB      APPROVED: JLS

CITY OF TALENT  
STANDARD DETAIL

**STORM DRAIN  
MANHOLE DETAIL**

SCALE: NONE      DWG. NO. 96-10



**NOTES:**

- 1) CONCRETE TO BE CLASS 3300-3/4" 0.54 W/C RATIO.
- 2) AC TO BE CLASS "C" IN 3" MAX. LIFTS. ALL BUT TOP LIFT SHALL BE COMPACTED WITH PNEUMATIC TAMPER WITH 6" MAX. HEAD HAMMER.

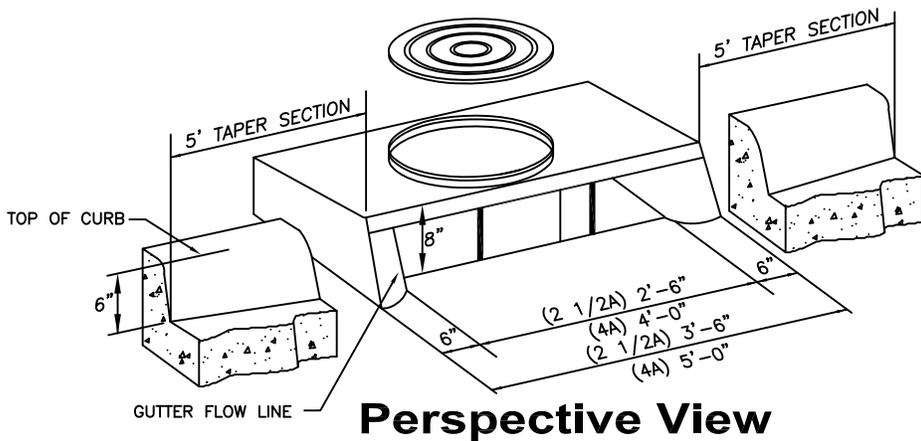
NO.	DATE	INITIAL	REVISIONS

DATE: 02/08      DRAWN: JAB      APPROVED: JLS

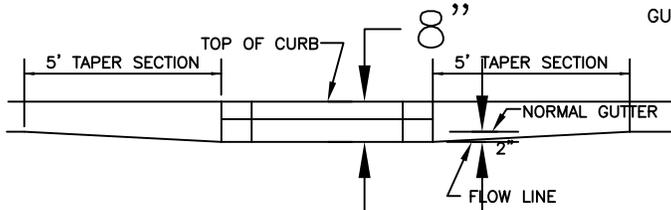
CITY OF TALENT  
STANDARD DETAIL

**MANHOLE ADJUSTMENT  
DETAIL**

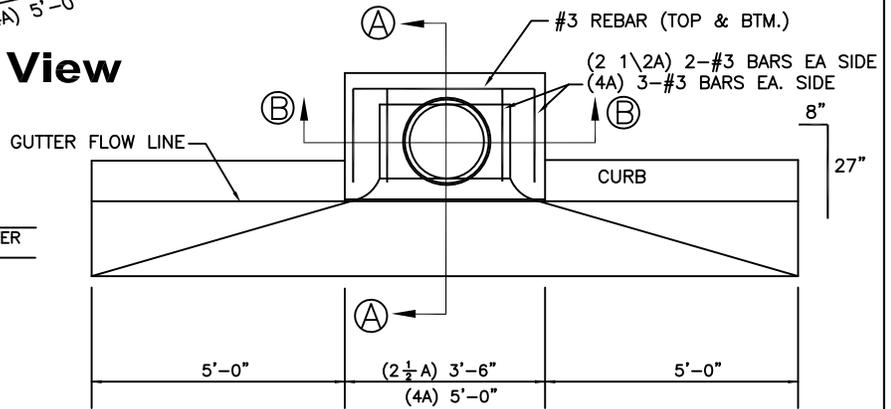
SCALE: NONE      DWG. NO. 96-11



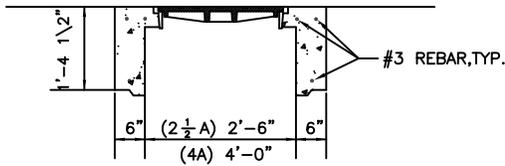
**Perspective View**



**Elevation**



**Plan View**

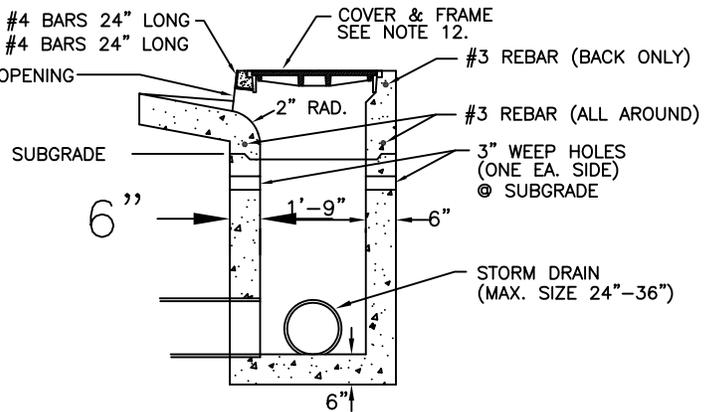


**Section B-B**

ANGLE NOSING  $3\frac{1}{2}'' \times 3\frac{1}{2}'' \times \frac{1}{4}''$   
 ANCHORED WITH:

(2  $1\frac{1}{2}$ A) 2-HORIZ. #4 BARS 24" LONG  
 (4A) 4-HORIZ. #4 BARS 24" LONG

MAINTAIN  $4\frac{1}{2}''$  OPENING



**Section A-A**

**Notes**

- 1) SURFACE CROSS-SLOPE FOR NEW CONSTRUCTION SHALL BE  $\frac{1}{4}''$  RISE PER FOOT FROM TOP OF CURB TO BACK OF SIDEWALK.
- 2) EXISTING CURB AND GUTTER SHALL BE REMOVED TO THE NEAREST CONTRACTION JOINT OR COLD JOINT WHEN JOINT IS WITHIN 4 FEET OF THE TRANSITION POINT.
- 3) ALL CONCRETE SHALL BE SAWCUT AND A SMOOTH, UNIFORM JOINT PROVIDED.
- 4) CURING COMPOUND SHALL BE APPLIED IMMEDIATELY AFTER SURFACE IS FINISHED: WHITE PIGMENT RECOMMENDED, CLEAR PIGMENT ACCEPTABLE.
- 5) FLOOR SHALL BE POURED ON: UNDISTURBED, STABLE SOIL; COMPACTED BASE (95% R.D.  $\frac{3}{4}''-0$  CRUSHED ROCK, 6" MIN. THICK).
- 6) SET SECTION JOINTS IN 1:2 MORTAR AND MORTAR JOINT SEALANT ST-8, 1" WIDE. SEALANT SHALL MEET FED. SPECS. SS-5-00201 (CSA-FSS).
- 7) ALL CONCRETE SHALL BE FORMED AND VIBRATED TO REMOVE VOIDS.
- 8) PIPE(S) SHALL BE FLUSH WITH INSIDE WALL.
- 9) ALL CONCRETE SHALL BE CLASS 3300 -  $\frac{3}{4}''$  0.54 W/C RATIO.
- 10) SURFACE HAVE A FINISHED TEXTURE THAT WILL NOT BE SLICK WHEN WET (MEDIUM BROOM FINISH), OR MATCH ADJACENT SIDEWALK.
- 11) ALL METAL PARTS SHALL BE HOT DIPPED GALVANIZED AFTER FABRICATION.
- 12) COVER SHALL BE INLAND FOUNDRY CO. INC. 706 MANHOLE RING AND COVER (OR EQUAL), SUITABLE FOR HEAVY TRAFFIC LOADING.

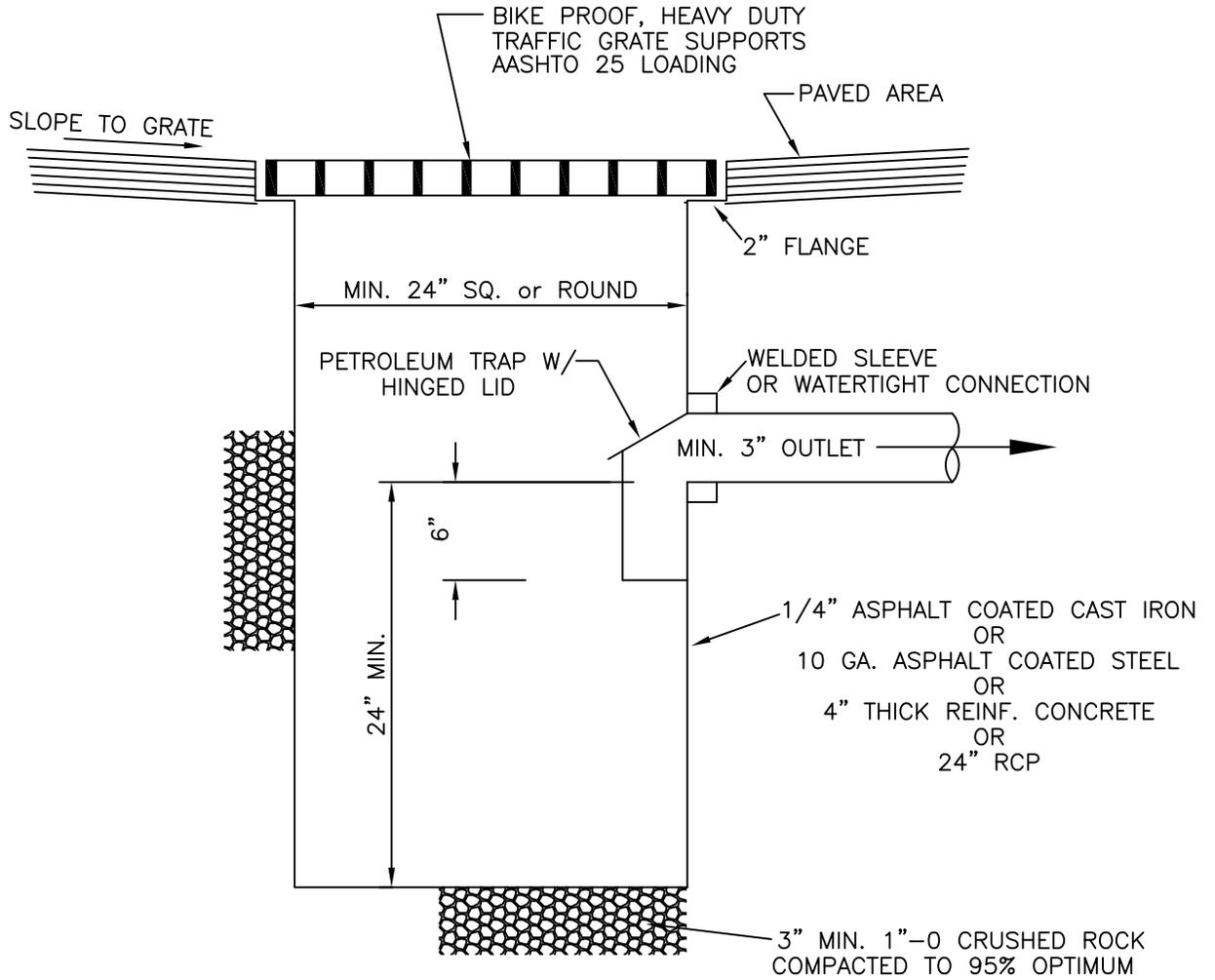
NO.	DATE	INITIAL	REVISIONS

DATE: 02/08      DRAWN: JAB      APPROVED: JLS

CITY OF TALENT  
 STANDARD DETAIL

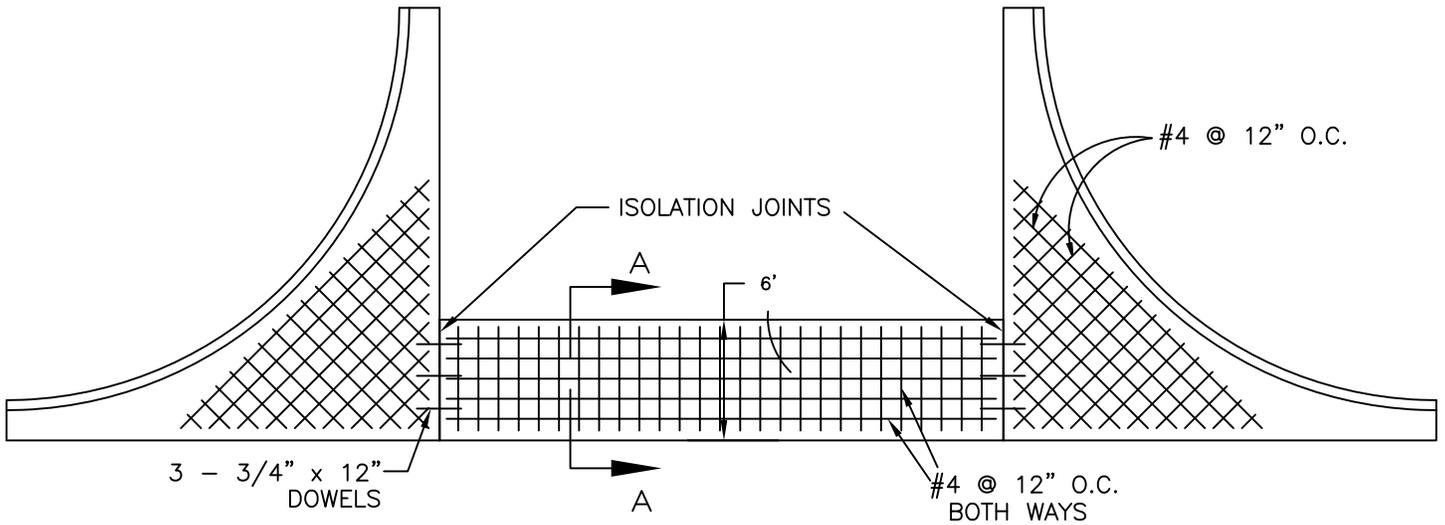
**CONCRETE  
 CURB INLET**

SCALE: NONE      DWG. NO. 96-20

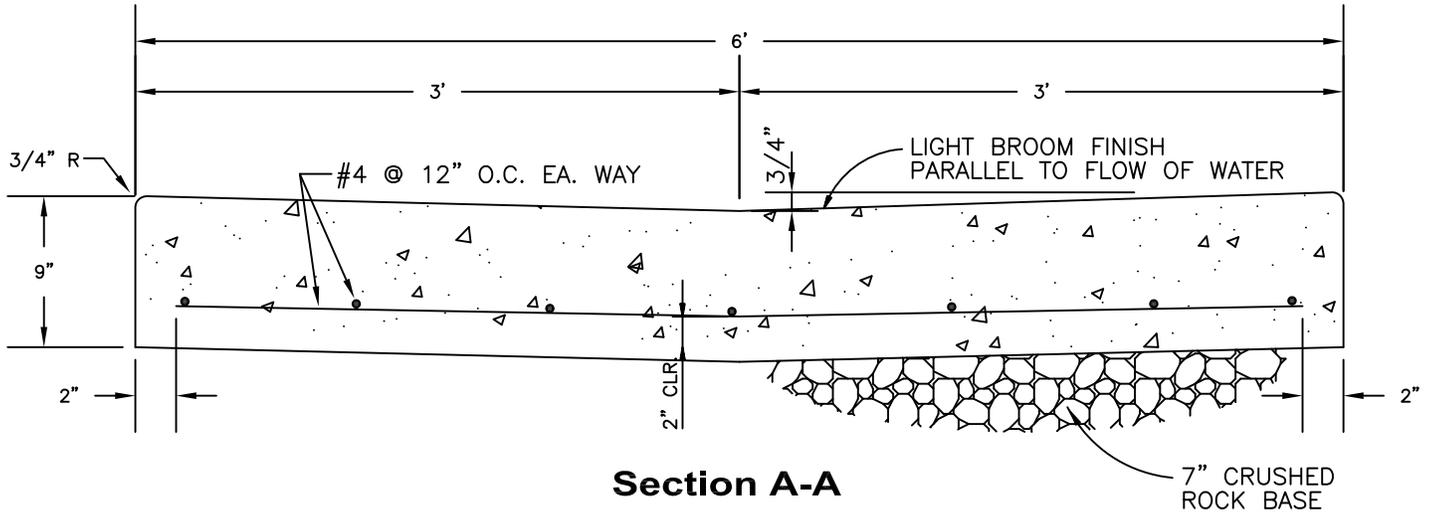


## AREA CATCH BASIN DETAIL

NO.	DATE	INITIAL	REVISIONS
DATE: 02/08		DRAWN: JAB	APPROVED: JLS
CITY OF TALENT STANDARD DETAIL			
<b>AREA CATCH BASIN</b>			
SCALE: NONE		DWG. NO. 96-22	



**Plan View**

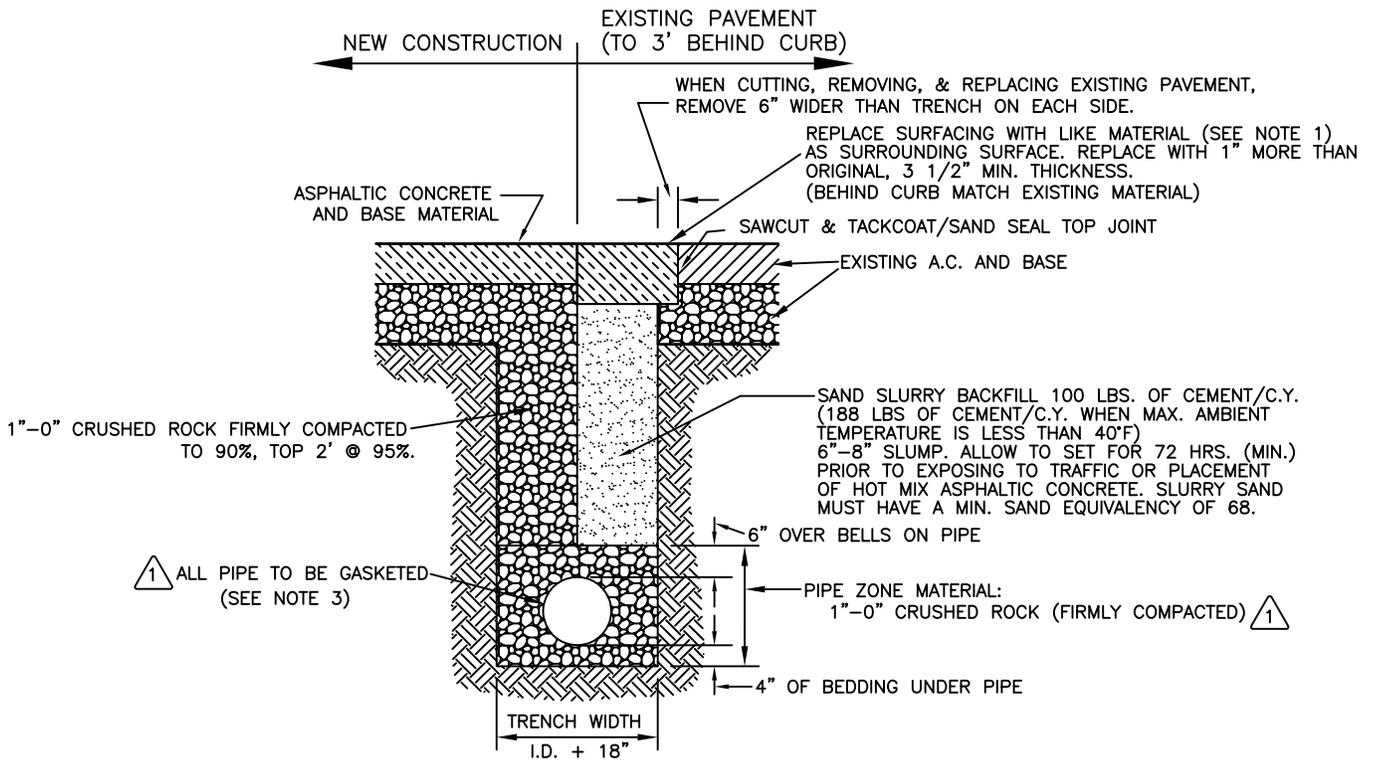


**Section A-A**

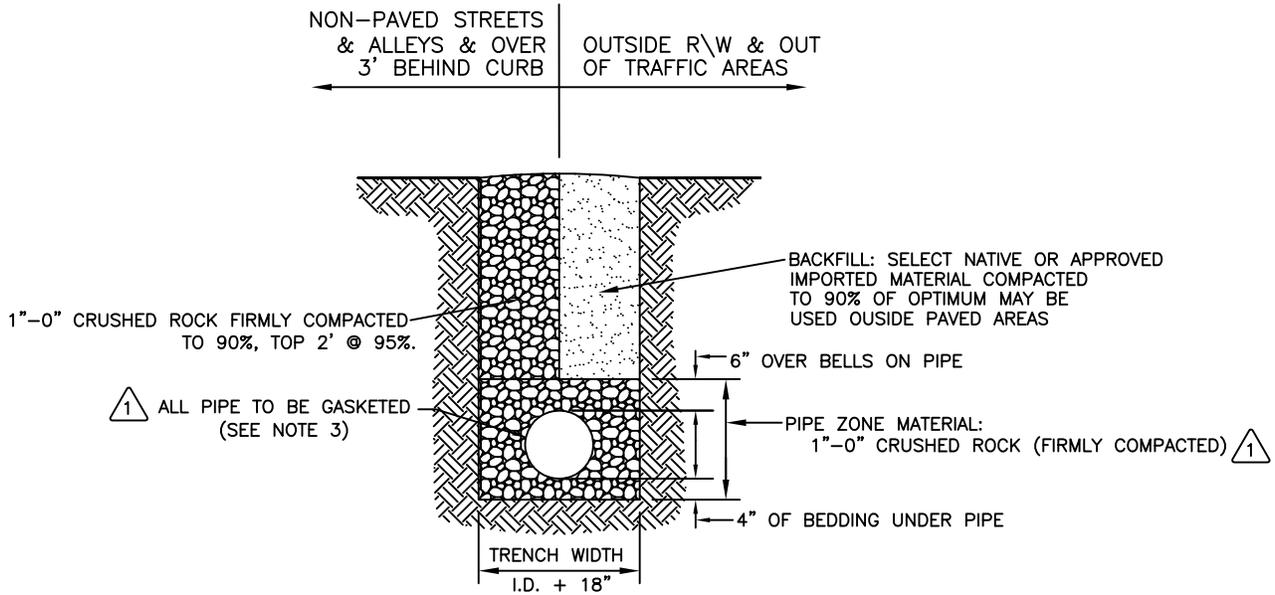
**NOTES:**

- 1) CONCRETE SHALL BE CLASS 3300 - 3/4" 0.54 W/C RATIO
- 2) MIX WILL BE VIBRATED OR TAMPED AS DIRECTED BY THE ENGINEER.
- 3) EXPANSION JOINTS SHALL BE CONSTRUCTED OF 3/8" ASPHALT IMPREGNATED FELT.
- 4) VALLEY GUTTER SHALL PASS A WATER TEST TO ASSURE FLOW.

NO.	DATE	INITIAL	REVISIONS
DATE: 02/08		DRAWN: JAB	APPROVED: JLS
CITY OF TALENT STANDARD DETAIL			
<b>STANDARD VALLEY GUTTER</b>			
SCALE: NONE		DWG. NO. 96-23	



**TRENCH DETAIL**  
UNDER PAVED AREAS



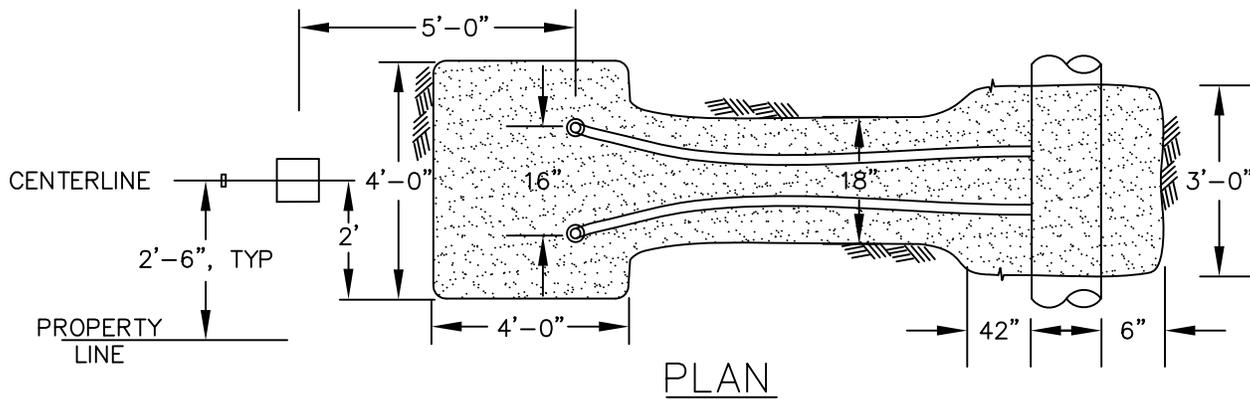
**TRENCH DETAIL**  
OUTSIDE PAVED AREAS

**NOTES:**

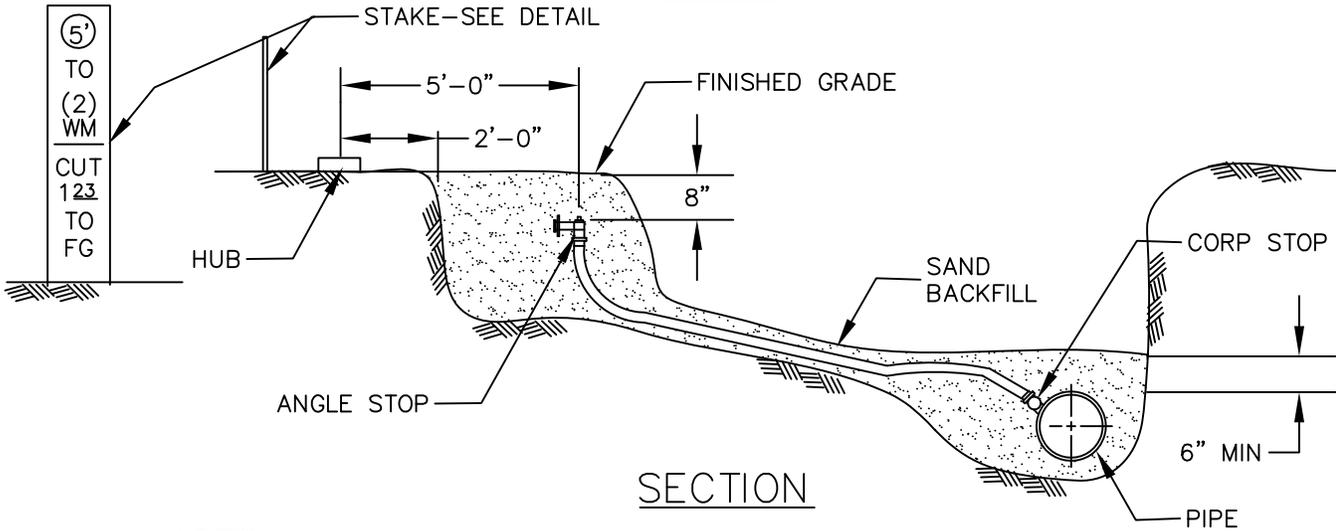
1. COLD MIX AC MAY BE USED AS TEMPORARY PATCH ONLY.
2. ALL STEEL TRAFFIC PLATES IN TRAVELLED AREAS MUST BE "RAMPED" WITH COLD MIX AC TO ALLOW SMOOTHER TRANSITION.
  - a) MINIMUM 12" LAP OF STEEL PLATES ONTO EXISTING PAVEMENT.
  - b) MINIMUM 3/4" STEEL PLATE THICKNESS.
3. ALL GASKETED JOINTS SHALL BE PRESSURE TESTABLE. (CONCRETE PIPE - ASTM C443; PVC & HDPE PIPE - ASTM D3212)



NO.	DATE	INITIAL	REVISIONS
DATE: 02/08		DRAWN: JAB	APPROVED: JLS
CITY OF TALENT STANDARD DETAIL			
<b>TRENCH DETAILS</b>			
SCALE: NONE			DWG. NO. 96-30



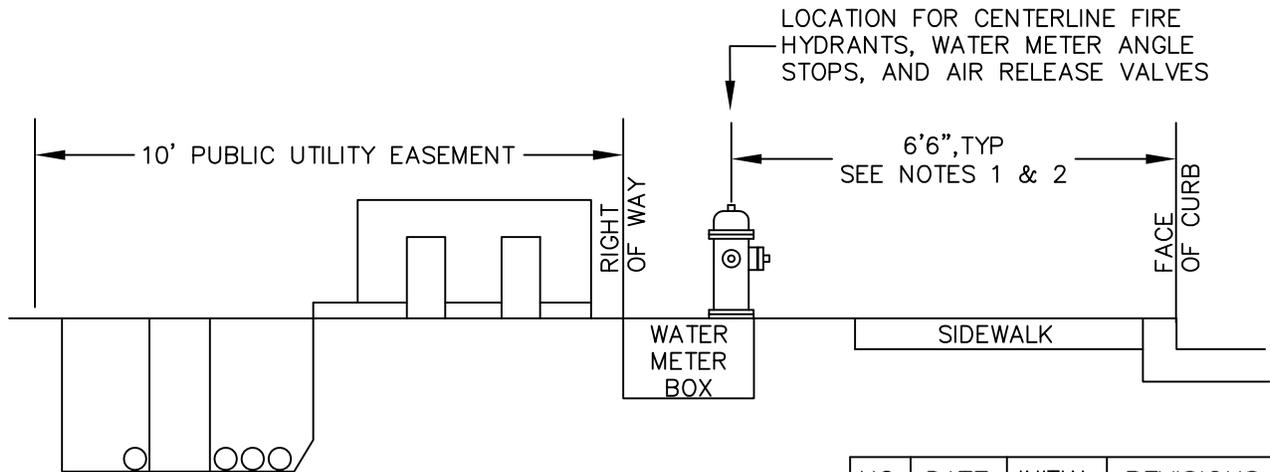
PLAN



SECTION

NOTES:

1. DEPTH OF COVER SHALL BE 3 FEET AT MAIN AND 2 FEET AT METER PAD.
2. WATER METER STAKE INFORMATION SHALL INCLUDE 1) OFFSET DISTANCE, 2) NUMBER OF SERVICE METERS, AND 3) CUT OR FILL TO FINISHED GRADE.

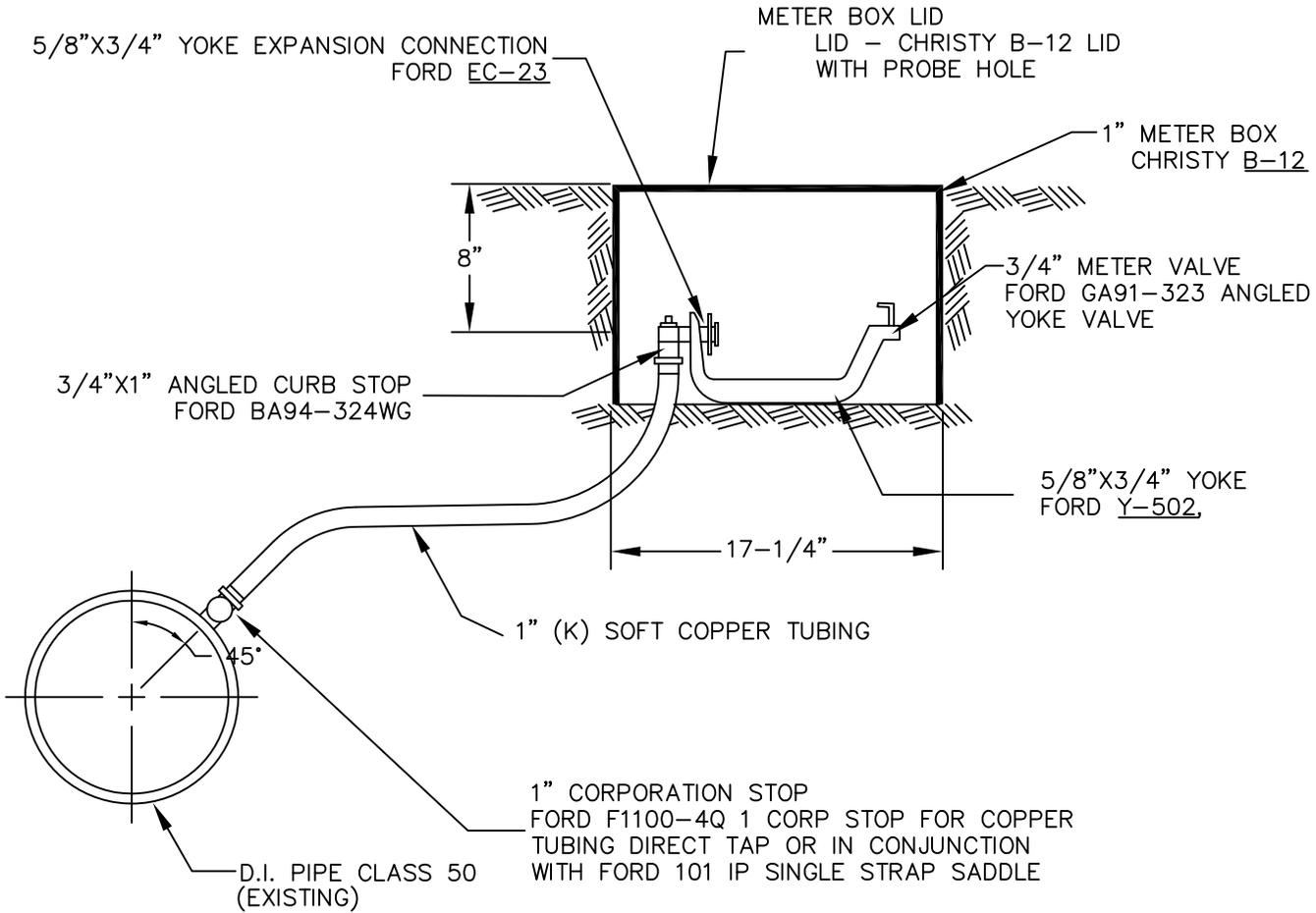


NOTES:

1. IF PARKWAY SITUATION, THEN LOCATE 2' FROM FRONT EDGE OF SIDEWALK.
2. IF RIGHT-OF-WAY/STREET WIDTHS PRECLUDE FIRE HYDRANTS, WATER METERS, AND AIR RELEASE VALVES FROM BEING WITHIN RIGHT-OF-WAY, THEN DESIGN ENGINEER/SURVEYOR/DEVELOPER SHALL CONFIRM LOCATIONS WITH MWC.

NO.	DATE	INITIAL	REVISIONS
DATE: 02/08		DRAWN: JAB	APPROVED: JLS
CITY OF TALENT STANDARD DETAIL			
<b>METER INSTALLATION AND LOCATION</b>			
SCALE: NONE		DWG. NO. 100	

# WATER SERVICE CONNECTION TO EXISTING WATER MAIN



## CITY OF TALENT

1. PERFORM SERVICE LINE TAPPIING.
2. FURNISH AND INSTALL TYPE "K" SOFT COPPER SERVICE
3. FURNISH AND INSTALL CORPORATION AND ANGLE STOPS.
4. FURNISH AND INSTALL YOKE BAR, CUSTOMER VALVE, METER BOX, BOX LID.
5. INSPECT.
6. FURNISH AND INSTALL METER AND YOKE EXPANDER.

NO.	DATE	INITIAL	REVISIONS

DATE: 2/08      DRAWN: JAB      APPROVED: JLS

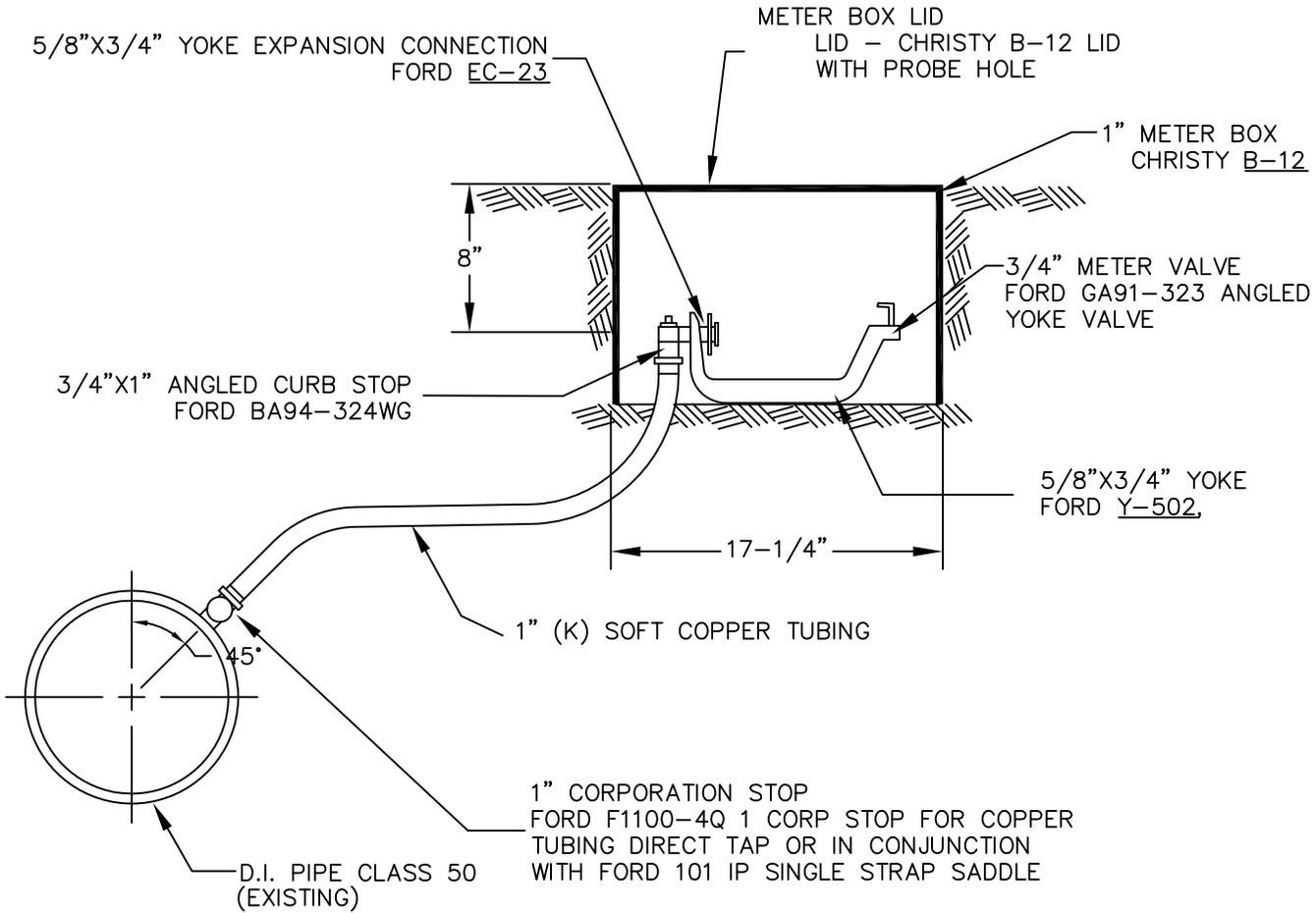
CITY OF TALENT  
STANDARD DETAIL

**1" SERVICE WITH 5/8"X3/4"  
METER SETTING - EXISTING MAIN**

SCALE: NONE      DWG. NO. 101

\* SERVICES GREATER THAN 2" TO BE  
INSTALLED BY CITY APPROVED  
INSTALLER\*

# WATER SERVICE CONNECTION TO NEW WATER MAIN



CITY OF TALENT

1. INSPECT.
2. FURNISH AND INSTALL METER.

CONTRACTOR

1. EXCAVATE AND BACKFILL.

NO.	DATE	INITIAL	REVISIONS

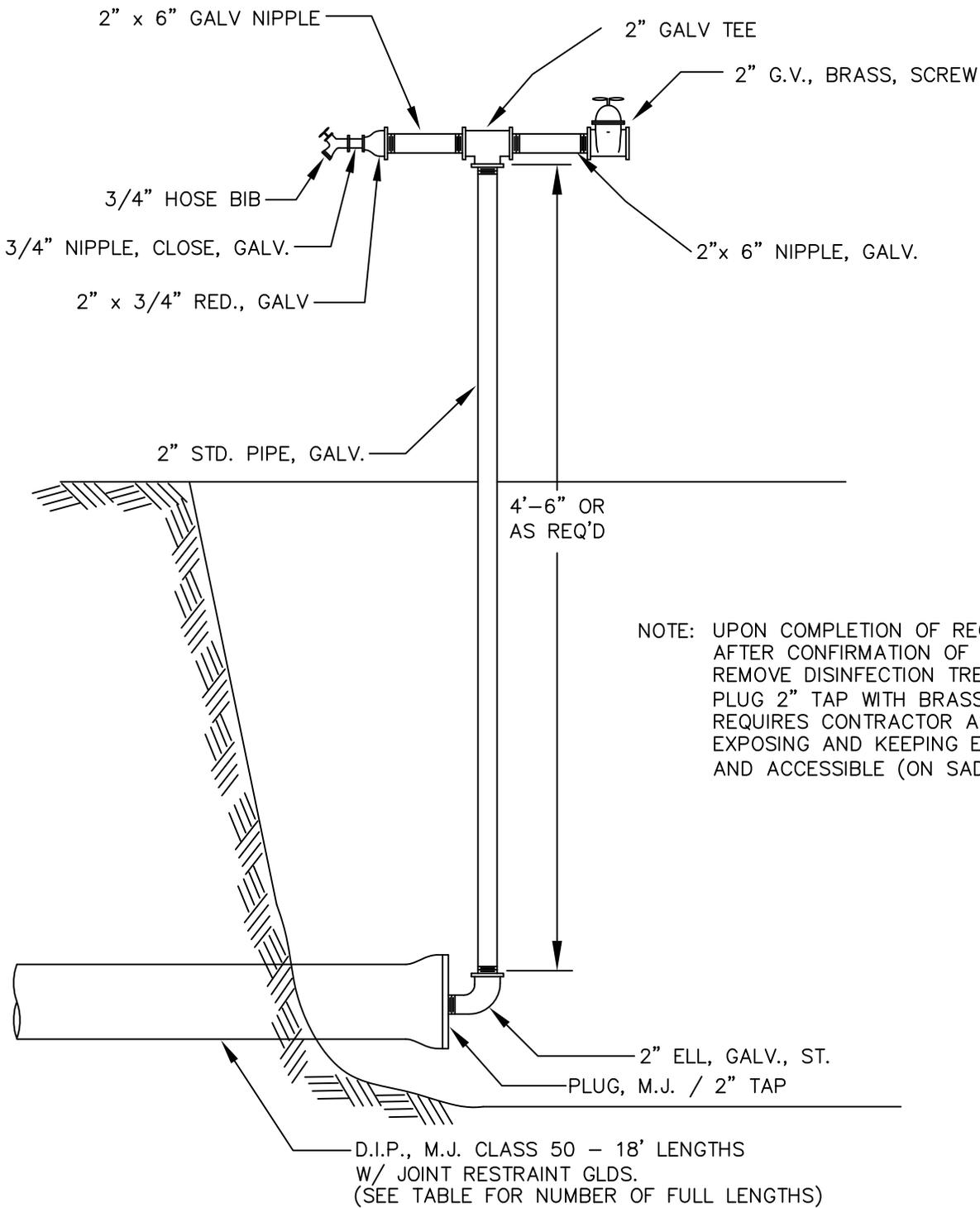
DATE: 02/08      DRAWN: JAB      APPROVED: JLS

CITY OF TALENT  
STANDARD DETAIL

\* SERVICES GREATER THAN 2" TO BE  
INSTALLED BY CITY APPROVED  
INSTALLER\*

**\* 1"-2" SERVICE WITH 5/8"X3/4"  
METER SETTING - NEW MAIN**

SCALE: NONE      DWG. NO. 101A

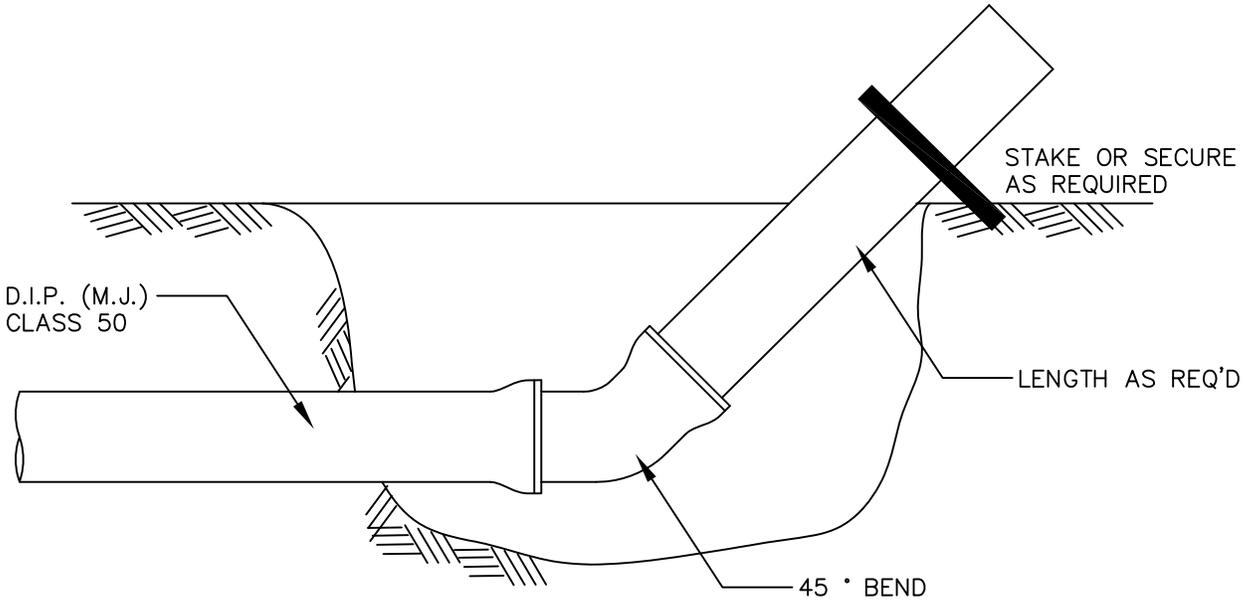


NOTE: UPON COMPLETION OF REQUIRED TESTS AND AFTER CONFIRMATION OF RESULTS, CITY TO REMOVE DISINFECTION TREE ASSEMBLY AND PLUG 2" TAP WITH BRASS PLUG. REQUIRES CONTRACTOR ASSISTANCE WITH EXPOSING AND KEEPING END OF MAIN CLEAR AND ACCESSIBLE (ON SADDLES OK).

SIZE TABLE	
4"	3
6"	3
8"	3
12"	5

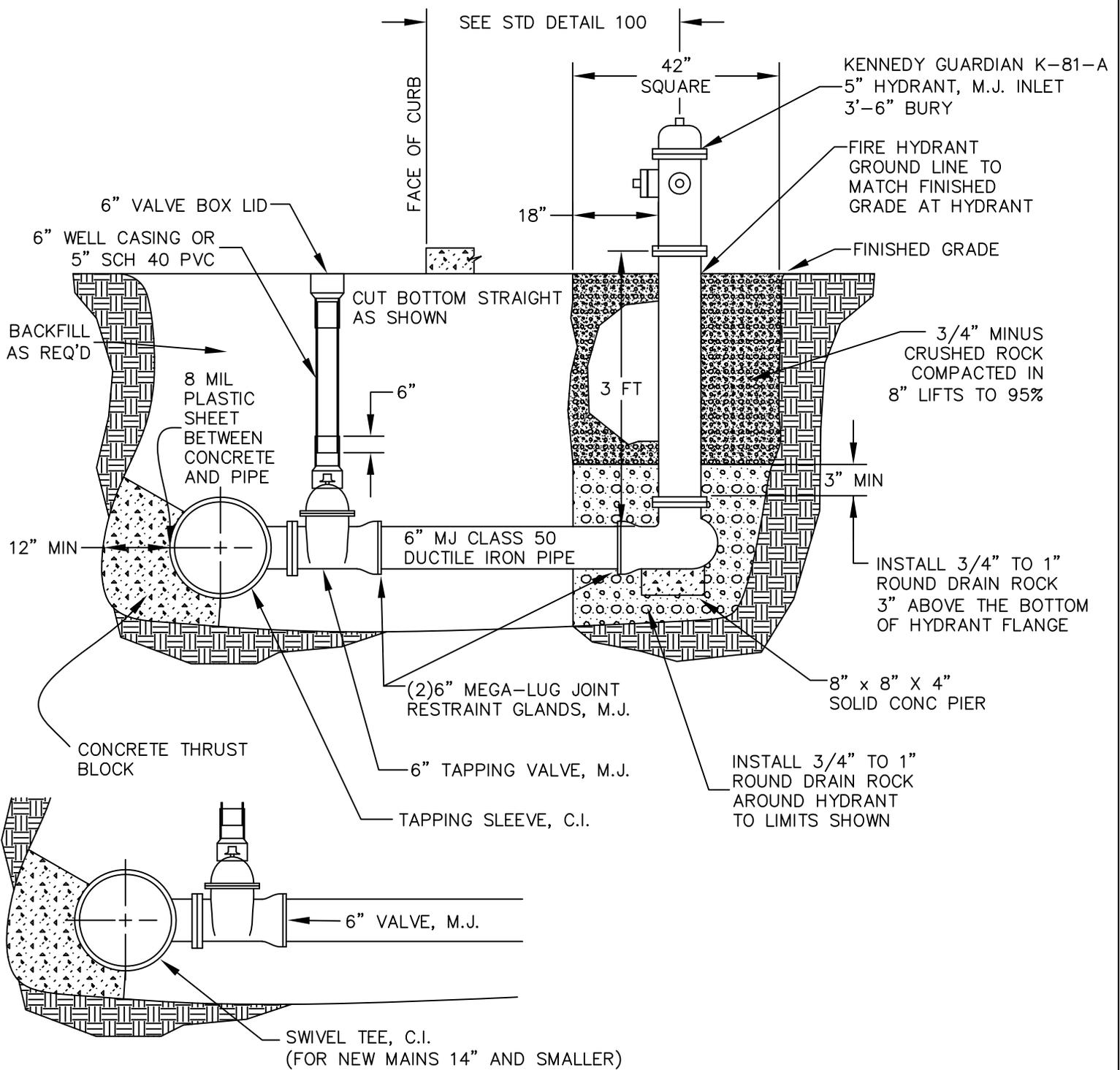
NO.	DATE	INITIAL	REVISIONS
1	6/00	TJF	CONVERT TO ACAD/CITY REVISIONS
DATE: 6/98		DRAWN: TJF	APPROVED: TAD
CITY OF TALENT STANDARD DETAIL			
<b>PRESSURE TEST, DISINFECTION, DECHLORINATION AND SAMPLING TREE W/ END DRAIN</b>			
SCALE: NONE		DWG. NO. 102	

NOTE: INSURE AGAINST FLUSHED WATER RE-ENTERING THE PIPELINE



4"-12" PIPE - FLUSH POINT IS SAME SIZE AS PIPE BEING INSTALLED.  
LARGER THAN 12" PIPE - TO BE DETERMINED BY CITY.

NO.	DATE	INITIAL	REVISIONS
1	6/00	TJF	CONVERT TO ACAD
DATE: 6/98		DRAWN: TJF	APPROVED: TAD
CITY OF TALENT STANDARD DETAIL			
<b>FULL SIZE FLUSH POINT</b>			
SCALE: NONE			DWG. NO. 103



1. AN OFFSET SIMILAR TO STD DETAIL 105 WILL BE REQUIRED TO ALLOW THE USE OF A STANDARD 3'-6" BURY HYDRANT WHEN MAIN IS LARGER THAN 8" OR MAIN HAS MORE THAN 3'-0" OF COVER.

2. A MINIMUM OF 5'-0" CLEAR SPACE SHALL BE MAINTAINED AROUND THE CIRCUMFERENCE OF THE FIRE HYDRANT BARREL. WHEN HYDRANT IS WITHIN PLANTER AREA, ADEQUATE SIDE AND REAR CLEARANCES FROM CURB LINES MUST BE MET BY THIS MINIMUM. CONCRETE SLAB WILL BE POURED CURB TO CURB AND A MINIMUM OF 2' AROUND FIRE HYDRANT WHEN IN PLANTER AREAS. BOLLARDS (SEE DETAIL NO. 112) MAY BE REQUIRED.

NO.	DATE	INITIAL	REVISIONS

DATE: 02/08      DRAWN: JAB      APPROVED: JLS

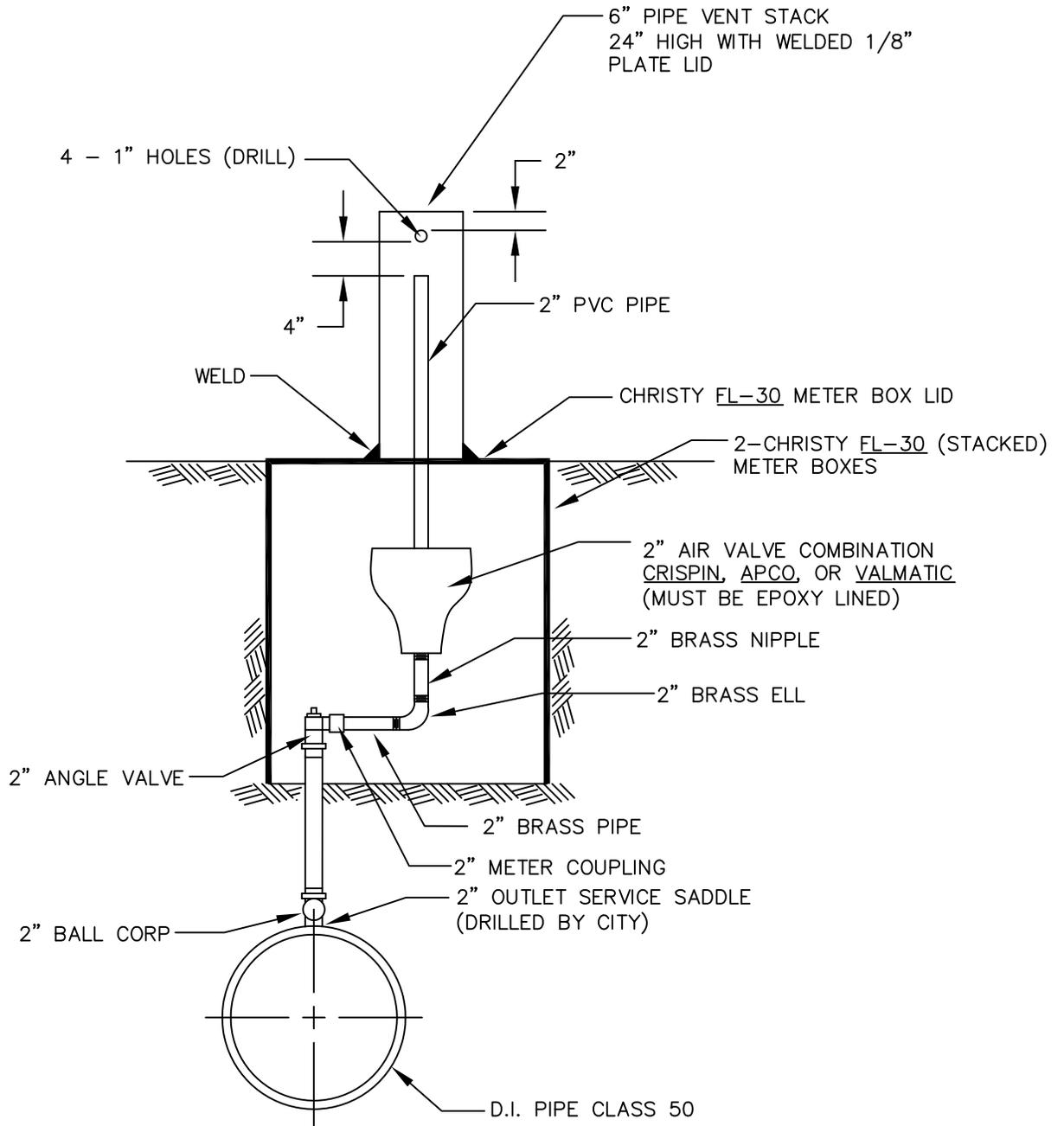
CITY OF TALENT  
STANDARD DETAIL

**HYDRANT INSTALLATION  
FOR MAIN 14" AND SMALLER**

SCALE: NONE      DWG. NO. 104







NO.	DATE	INITIAL	REVISIONS

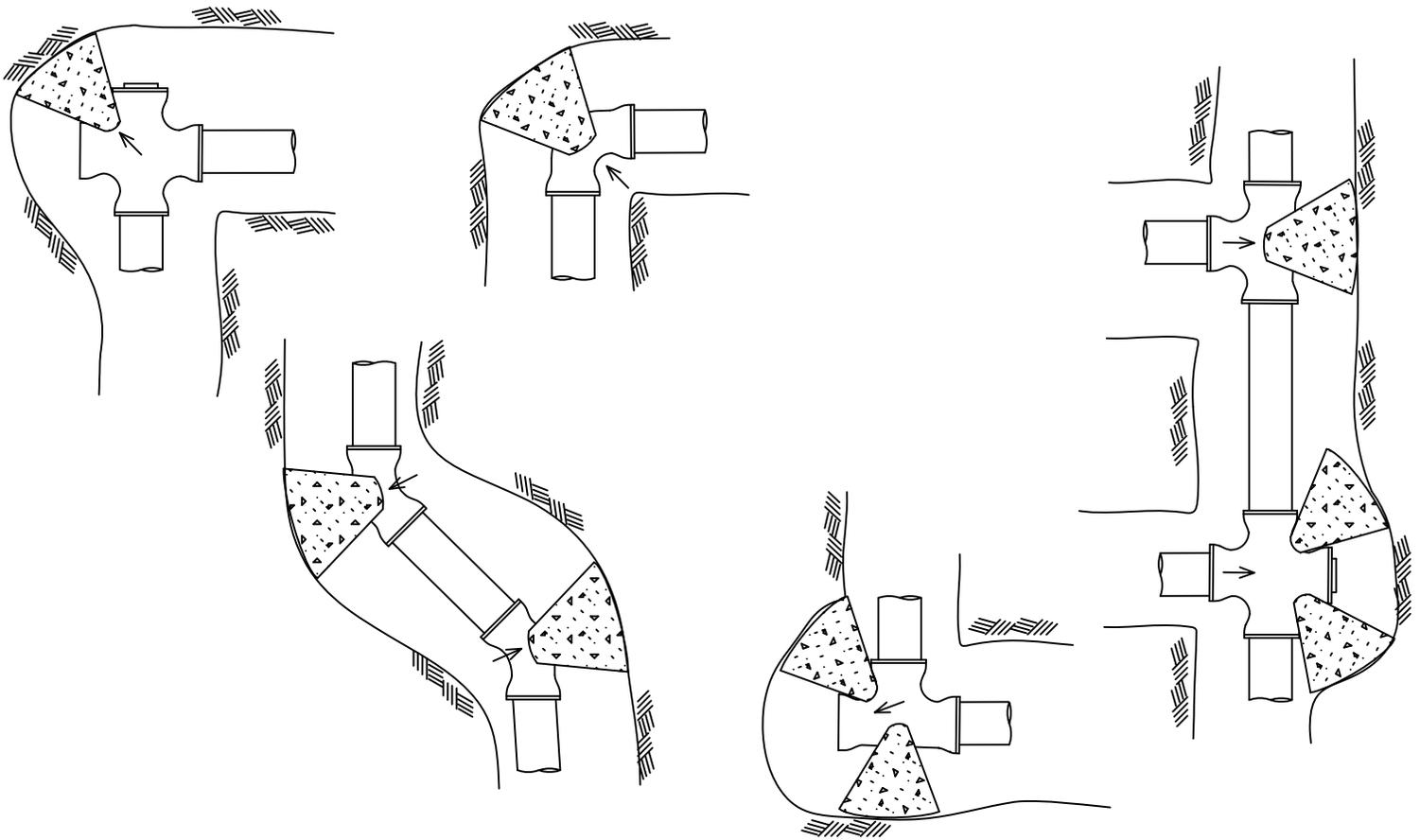
DATE: 02/08      DRAWN: JAB      APPROVED: JLS

CITY OF TALENT  
STANDARD DETAIL

**2" AIR VALVE**

SCALE: NONE

DWG. NO. 107



### THRUST BLOCK SIZING TABLE

PIPE SIZE (INCHES)	<u>90 BEND</u>		<u>45, 22.5, 11.25 BEND</u>		<u>VALVES, TEES, DEAD ENDS</u>	
	<u>#</u> <u>THRUST</u>	<u>BEARING</u> <u>AREA</u>	<u>#</u> <u>THRUST</u>	<u>BEARING</u> <u>AREA</u>	<u>#</u> <u>THRUST</u>	<u>BEARING</u> <u>AREA</u>
4	2700	2.0	1650	1.5	1950	1.5
6	6000	4.0	3450	2.5	4350	3.0
8	10800	7.5	6150	4.5	7650	5.5
12	24000	16.0	13650	9.5	16950	11.5

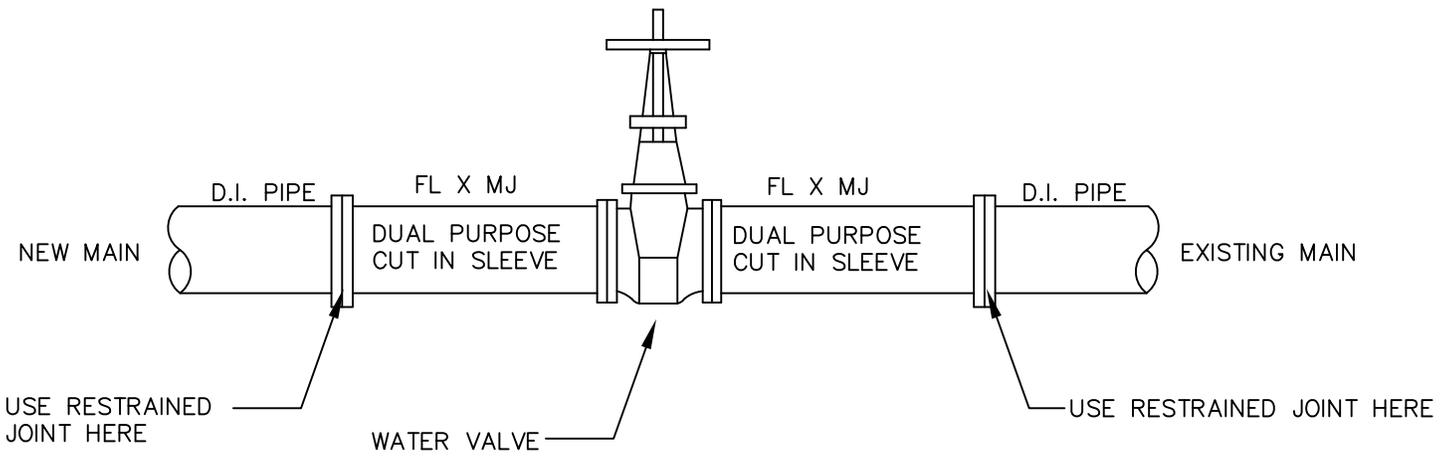
**NOTE:**

THRUST CALCULATIONS ARE BASED UPON 150 PSI WORKING PRESSURE AND A SOIL BEARING CAPACITY OF 1500 PSF. CAUTION MUST BE USED BY THE DESIGNER TO BE SURE BEARING LOAD CAPACITY OF THE SOIL IS AT LEAST 1500 PSF.

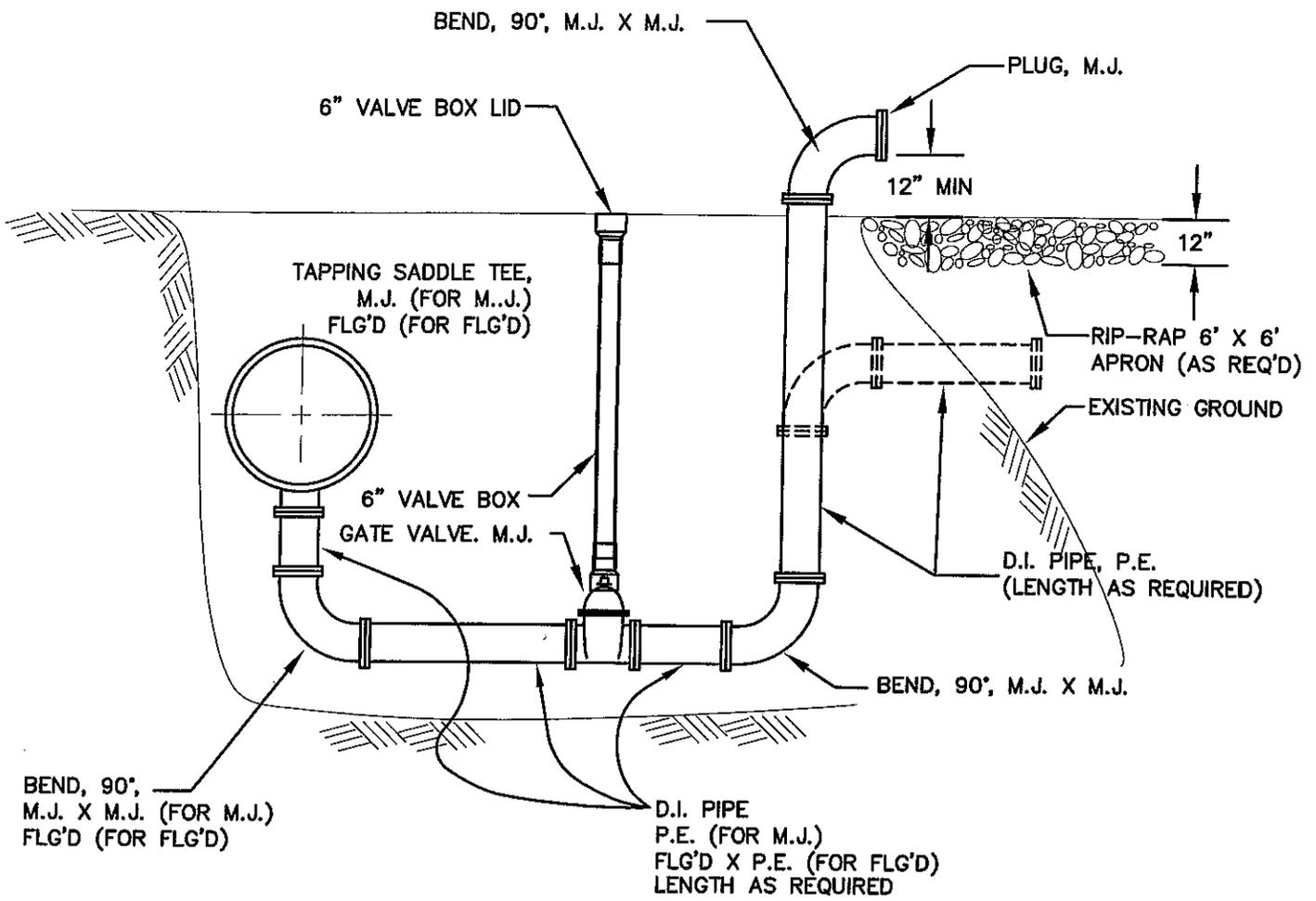
**NOTES:**

1. THE BEARING SURFACE SHALL BE AT LEAST THE MINIMUM SHOWN ABOVE AND SHALL BE AGAINST UNDISTURBED MATERIAL.
2. THE MINIMUM THICKNESS OF THE BLOCK SHALL BE 12" OR TWICE THE PIPE DIAMETER WHICH EVER IS GREATER.
3. 8 MIL. PLASTIC MUST BE INSTALLED BETWEEN ALL CONCRETE AND PIPE OR FITTINGS.
4. CAUTION SHOULD BE EXERCISED TO INSURE BOLTS ARE NOT COVERED WITH CONCRETE.
5. 3,300 PSI CONCRETE

NO.	DATE	INITIAL	REVISIONS
DATE: 02/08		DRAWN: JAB	APPROVED: JLS
CITY OF TALENT STANDARD DETAIL			
<b>THRUST BLOCKS</b>			
SCALE: NONE			DWG. NO. 109

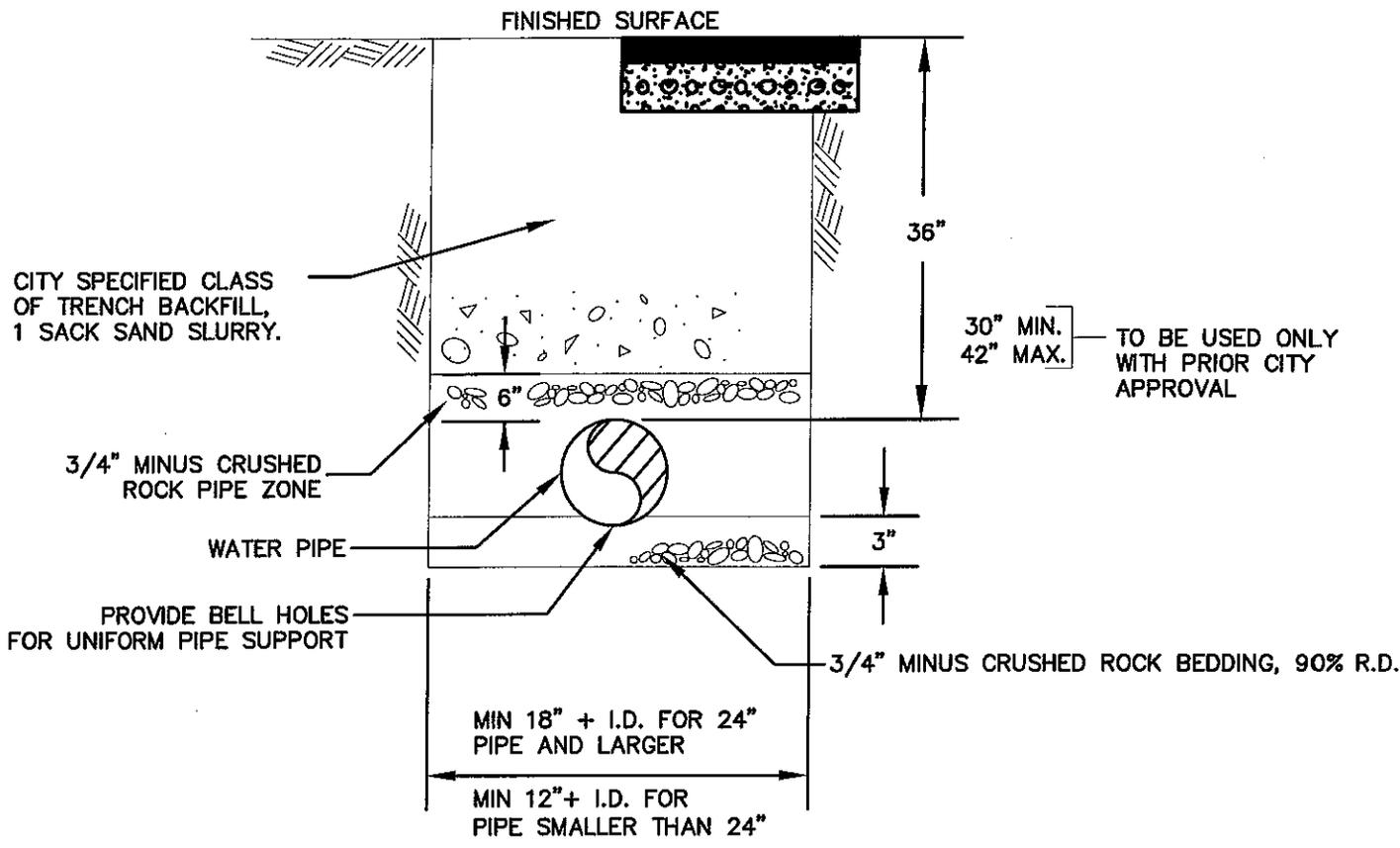


NO.	DATE	INITIAL	REVISIONS
DATE: 02/08		DRAWN: JAB	APPROVED: JLS
CITY OF TALENT STANDARD DETAIL			
<b>CUT-IN SLEEVE</b>			
SCALE: NONE			DWG. NO. 110

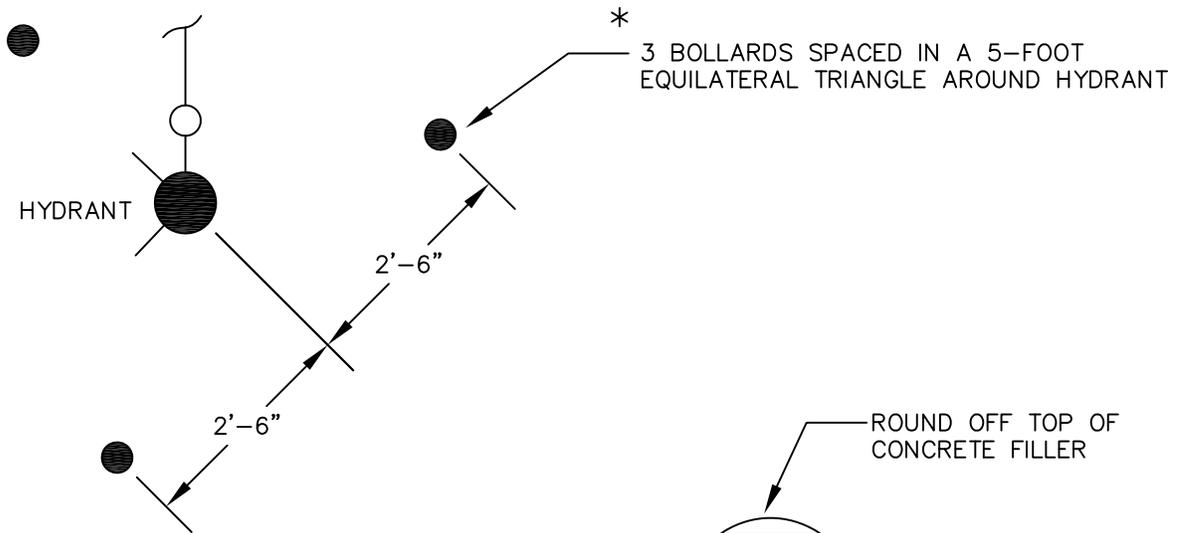


1. FURNISH AND INSTALL JOINT RESTRAINT GLANDS

NO.	DATE	INITIAL	REVISIONS
1	6/00	TJF	CONVERT TO ACAD
DATE: 6/98		DRAWN: TJF	APPROVED: TAD
CITY OF TALENT STANDARD DETAIL			
<b>MAINLINE BLOWOFF ASSEMBLY</b>			
SCALE: NONE		DWG. NO. 108	

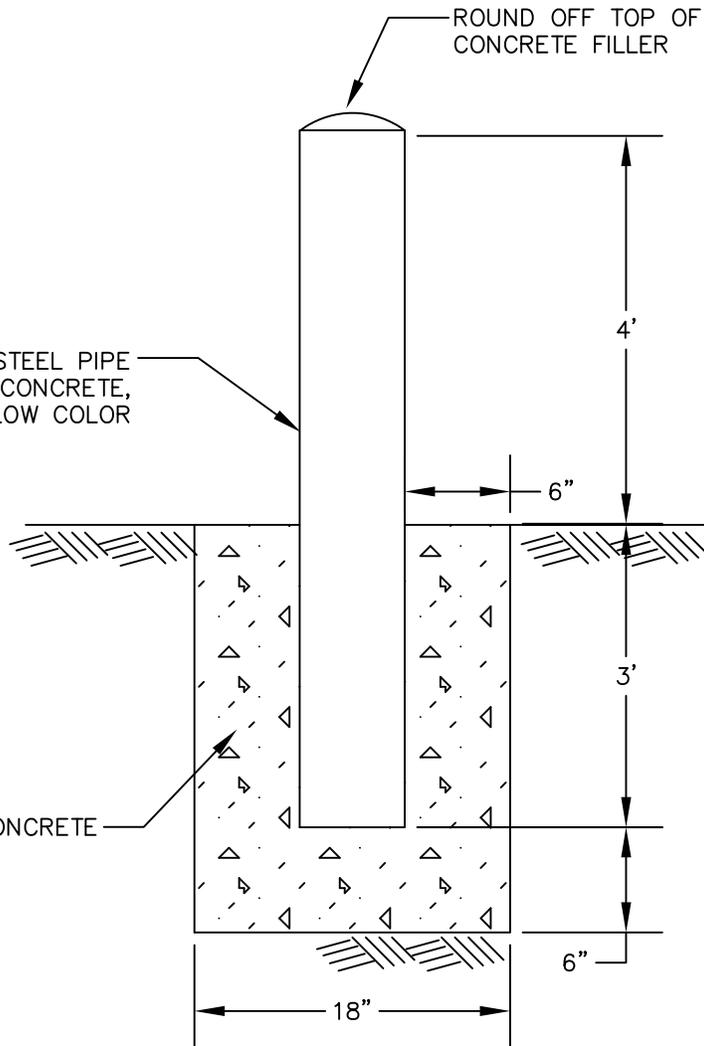


NO.	DATE	INITIAL	REVISIONS
1	6/00	TJF	CONVERT TO ACAD
DATE: 6/98		DRAWN: TJF	APPROVED: TAD
CITY OF TALENT STANDARD DETAIL			
<b>TYPICAL TRENCH DETAIL</b>			
SCALE: NONE		DWG. NO. 111	



6"  $\phi$  STEEL PIPE  
 FILLED WITH CONCRETE,  
 PAINT CHROME-YELLOW COLOR

SET IN CONCRETE



\* IF HYDRANT IS LOCATED IN LANDSCAPED, CURBED PLANTER, WITH 5' FROM FIRE HYDRANT TO FACE OF CURB IN EACH DIRECTION, BOLLARDS WILL NOT BE REQUIRED.

NO.	DATE	INITIAL	REVISIONS
DATE: 02/08		DRAWN: JAB	APPROVED: JLS
CITY OF TALENT STANDARD DETAIL			
<b>BOLLARD DETAIL</b>			
SCALE: NONE			DWG. NO. 112