

HEBER CITY STANDARD SPECIFICATIONS AND DRAWINGS



March 2012

Prepared by:

HORROCKS
—|||—
E N G I N E E R S

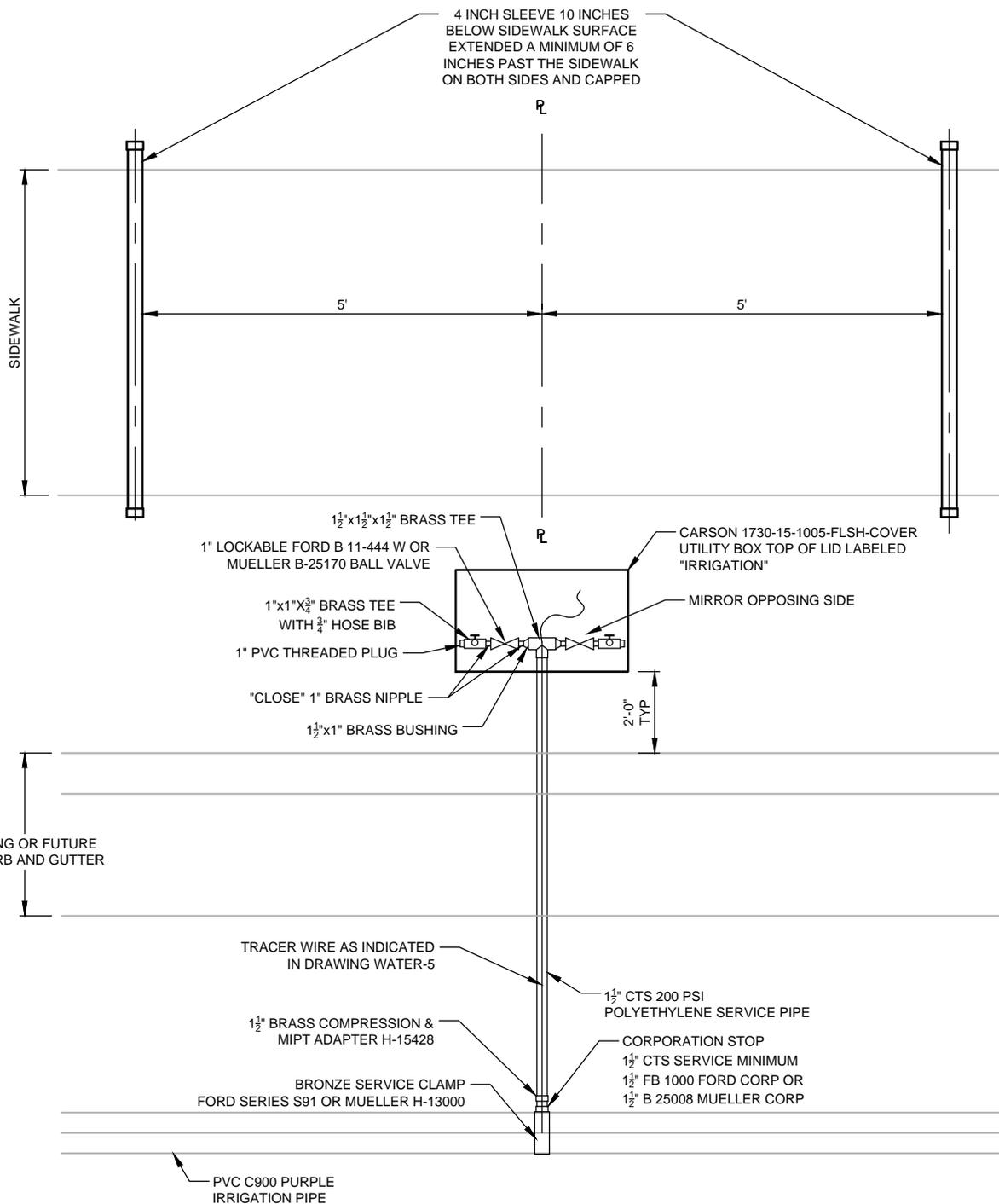
728 West 100 South
Heber City, Utah 84032

HEBER CITY CORPORATION
75 North Main Street
Heber City, UT 84032

STANDARD DRAWINGS

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Water-6A	02/12	Water Service – Two Lots
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Water-7	02/12	Air Release Station
Water-8	02/08	Blowoff / Flush Valve



NOTES:

DETAIL REPRESENTS 1-1/2" SERVICE CONNECTION TO MAIN FOR TWO LOTS:

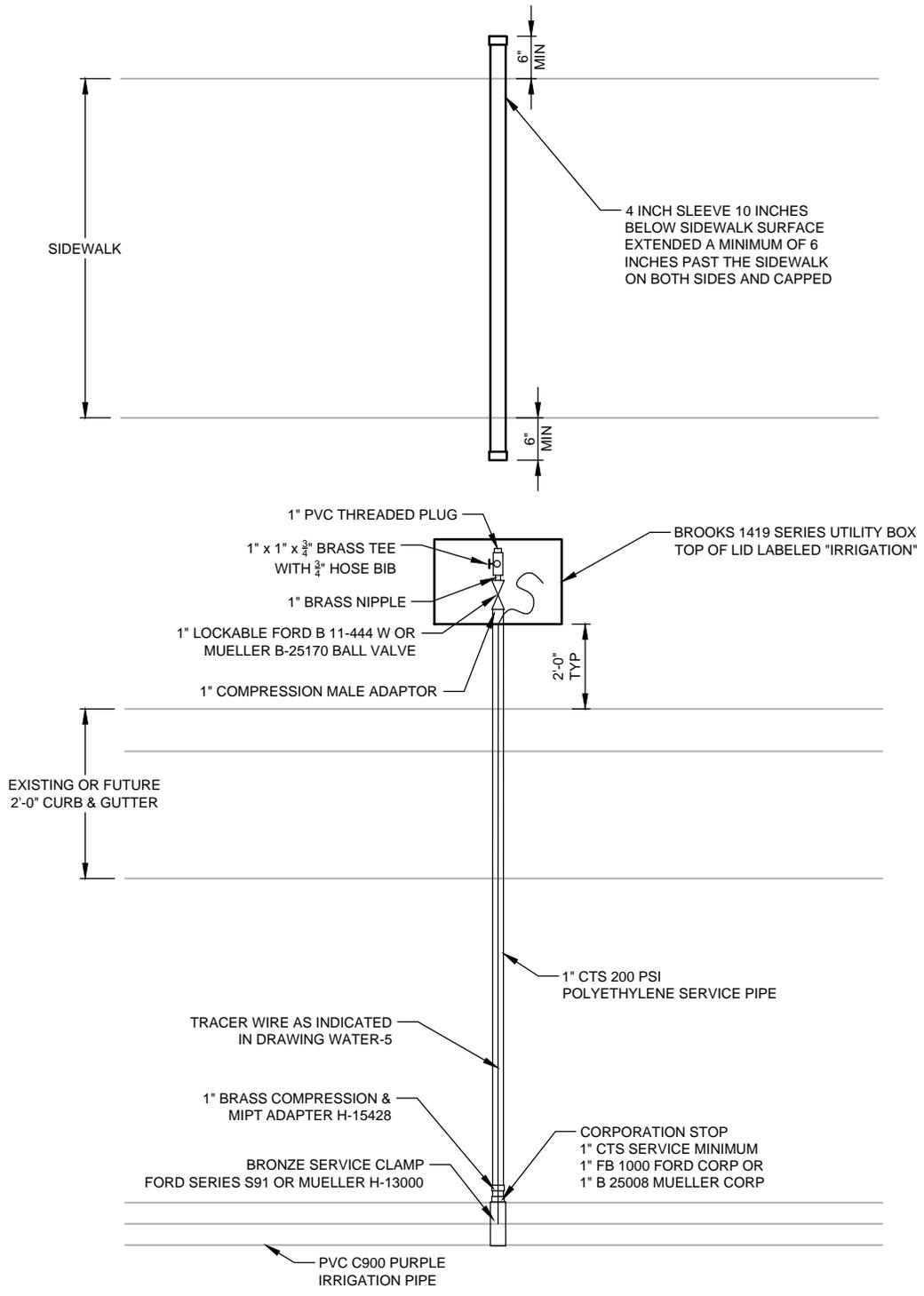
1. USE FORD SERIES S91 BRONZE SADDLE SERVICE CLAMP AND A BRASS COMPRESSION x MIPT ADAPTER. A RIGID LINER SHALL BE USED INSIDE OF TUBING AT THE COMPRESSION FITTINGS.
2. ALL FITTINGS SHALL BE COMPATIBLE WITH SERVICE SIZE.
3. SERVICE LINE INSTALLATION AT AN EXISTING CURB & GUTTER AND SIDEWALK WITH PLANTER STRIP SHALL HAVE THE UTILITY BOX LOCATED IN THE CENTER OF THE PLANTER STRIP AND 4" CASING LOCATED UNDERNEATH SIDEWALK.
4. SERVICE LINE INSTALLATION AT AN EXISTING MONOLITHIC CURB, GUTTER & SIDEWALK SHALL HAVE THE UTILITY BOX LOCATED 1-FOOT BEHIND THE SIDEWALK.
5. SERVICE LINE LOCATION FOR AREAS WITH NO CURB, GUTTER & SIDEWALK TO BE DETERMINED BY THE CITY.
6. BEDDING OF PIPE SHALL CONFORM TO HEBER CITY BEDDING STANDARDS FOR CULINARY WATER.

IRRIGATION SERVICE— TWO LOTS

N.T.S

03/12

HEBER CITY
STANDARD DRAWING
IRRIGATION-1A



NOTES:

DETAIL REPRESENTS 1" SERVICE CONNECTION TO MAIN FOR A SINGLE LOT:

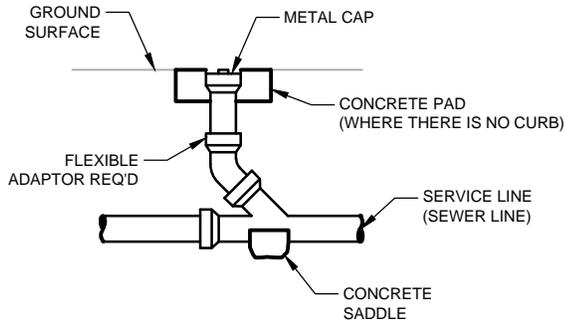
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IRRIGATION SERVICE— SINGLE LOT

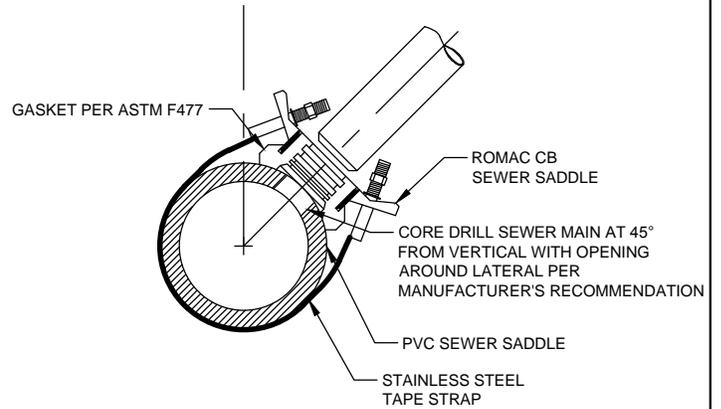
N.T.S

03/12

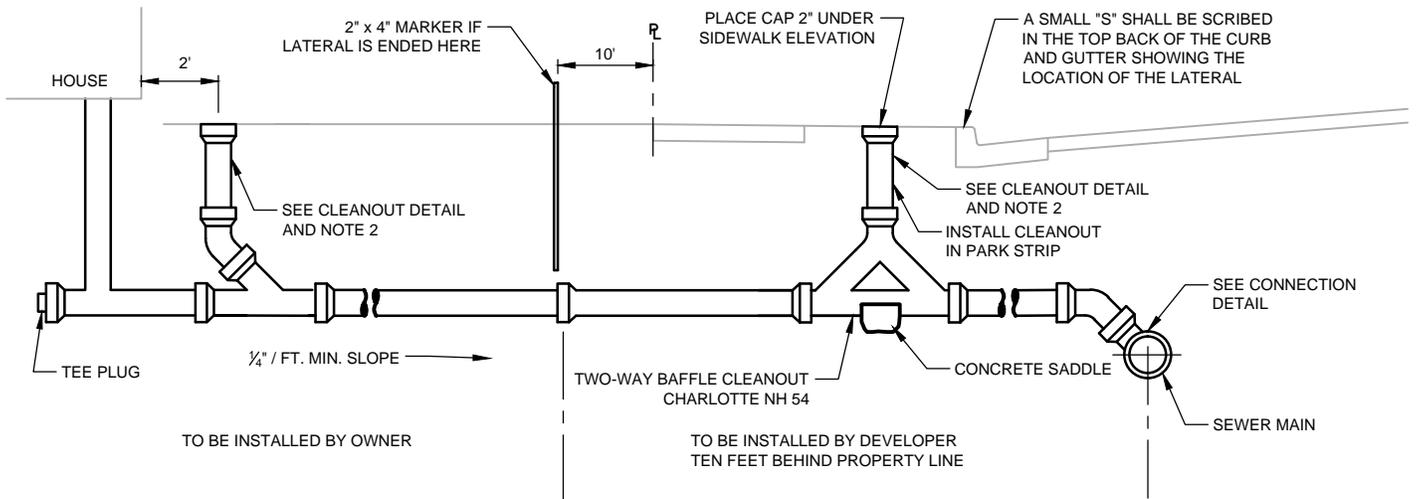
HEBER CITY
STANDARD DRAWING
IRRIGATION-1B



CLEANOUT DETAIL
N.T.S



CONNECTION DETAIL
N.T.S



NOTES:

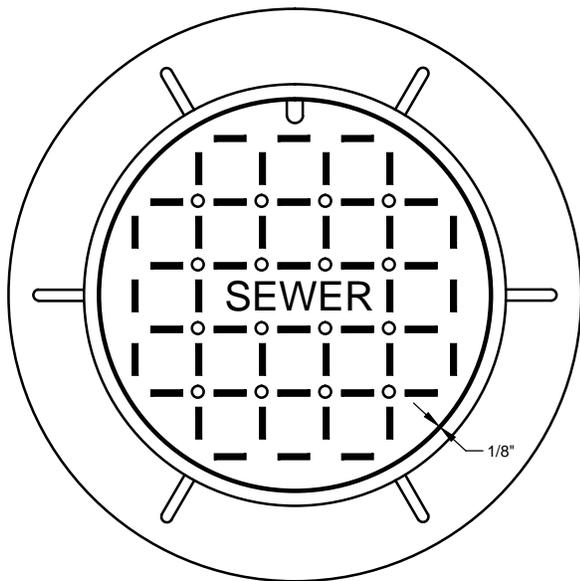
1. PIPE GRAPHICS DO NOT NECESSARILY INDICATE TYPE OF PIPE TO BE USED.
2. MAXIMUM SPACING BETWEEN CLEANOUTS IS 100' AND AT ALL BENDS.
3. MAXIMUM ALLOWED BEND IN LATERAL IS 22 1/2 DEGREES.
4. SEWER & WATER LATERALS ARE PROHIBITED IN COMMON TRENCH PER STATE CODE R 309-550-7.

SEWER LATERAL & DETAILS

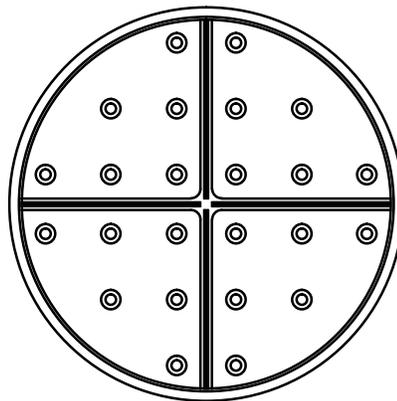
N.T.S

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HEBER CITY
STANDARD DRAWING
SEWER-1

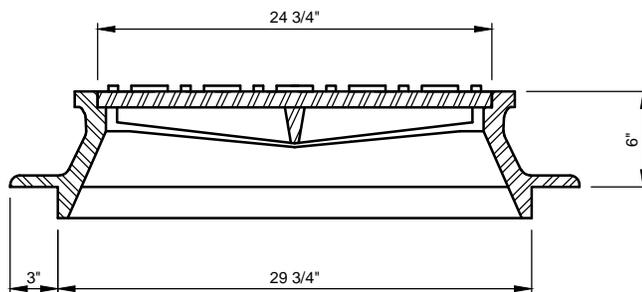


PLAN OF COVER AND RING



BOTTOM VIEW OF COVER

D&L SUPPLY #A-1180 HEAVY
DUTY, 400 LB. MINIMUM



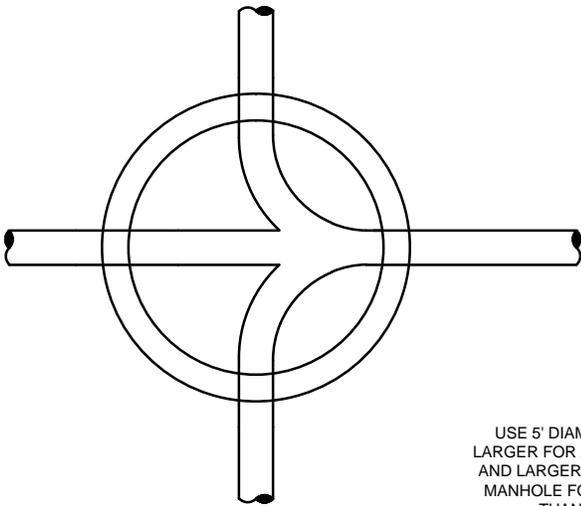
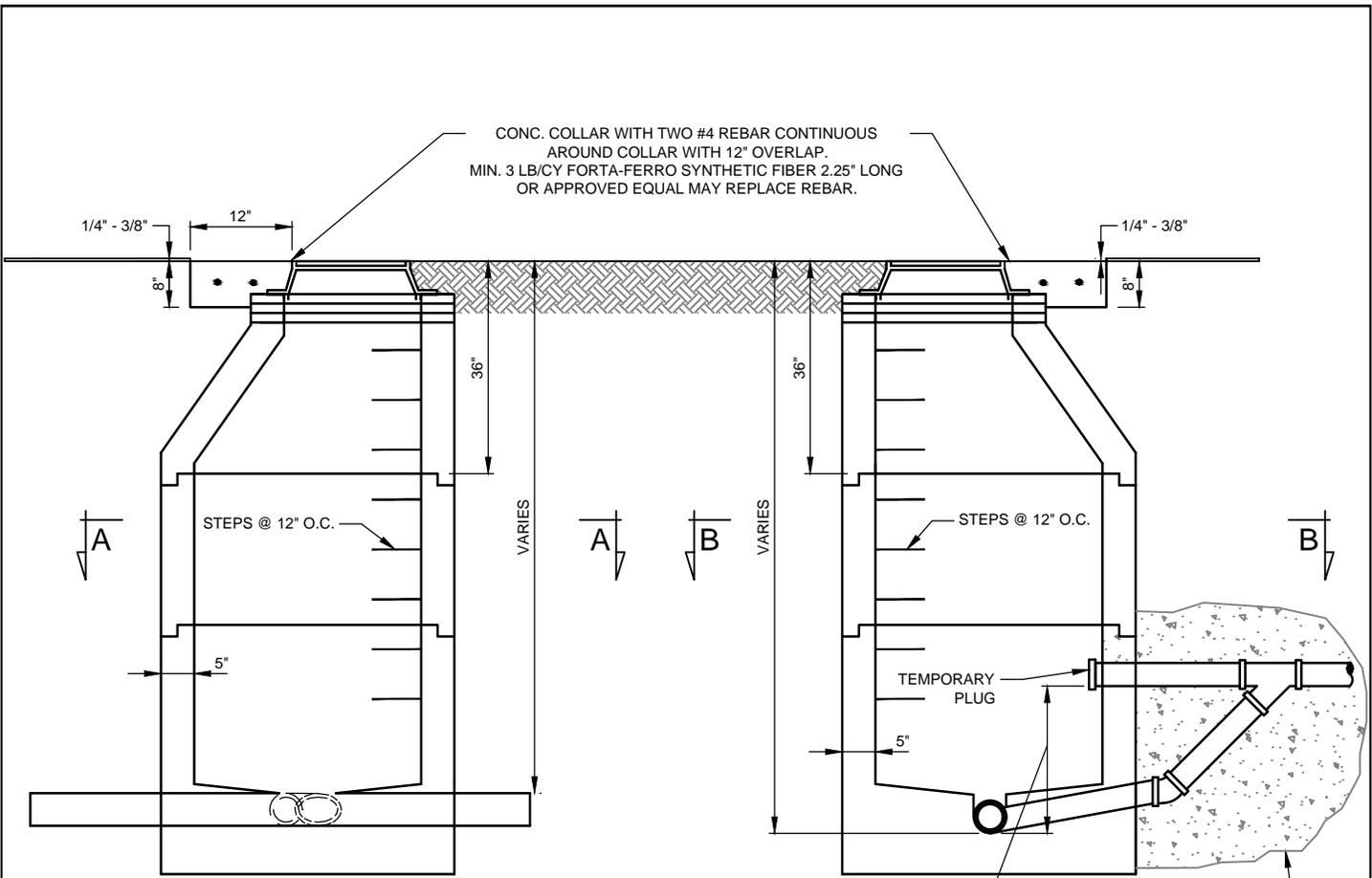
SECTION

MANHOLE RING & COVER

N.T.S

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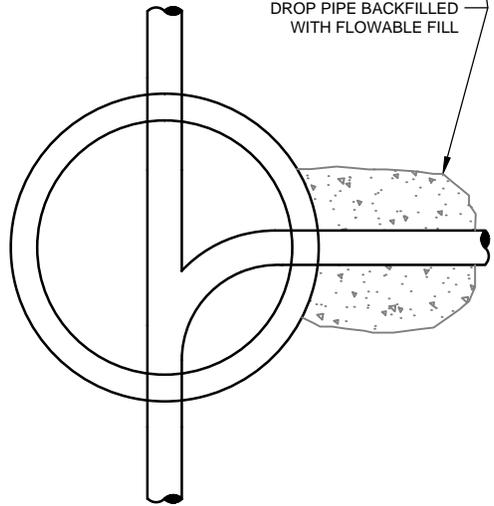
HEBER CITY
STANDARD DRAWING
SEWER-2



SECTION A-A

**JUNCTION
MANHOLE**

N.T.S



SECTION B-B

**DROP
MANHOLE**

N.T.S

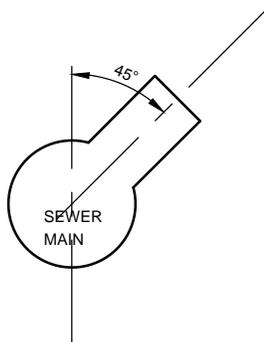
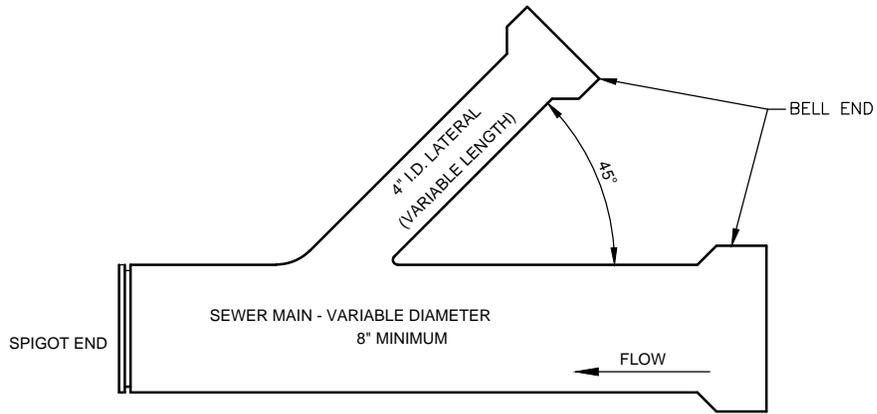
USE 5' DIAMETER MANHOLE OR LARGER FOR ALL PIPE 14" DIAMETER AND LARGER. USE 4' MIN DIAMETER MANHOLE FOR ALL PIPE SMALLER THAN 14" DIAMETER.

JUNCTION & DROP MANHOLES

N.T.S

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HEBER CITY
STANDARD DRAWING
SEWER-3



INSTALLATION END VIEW

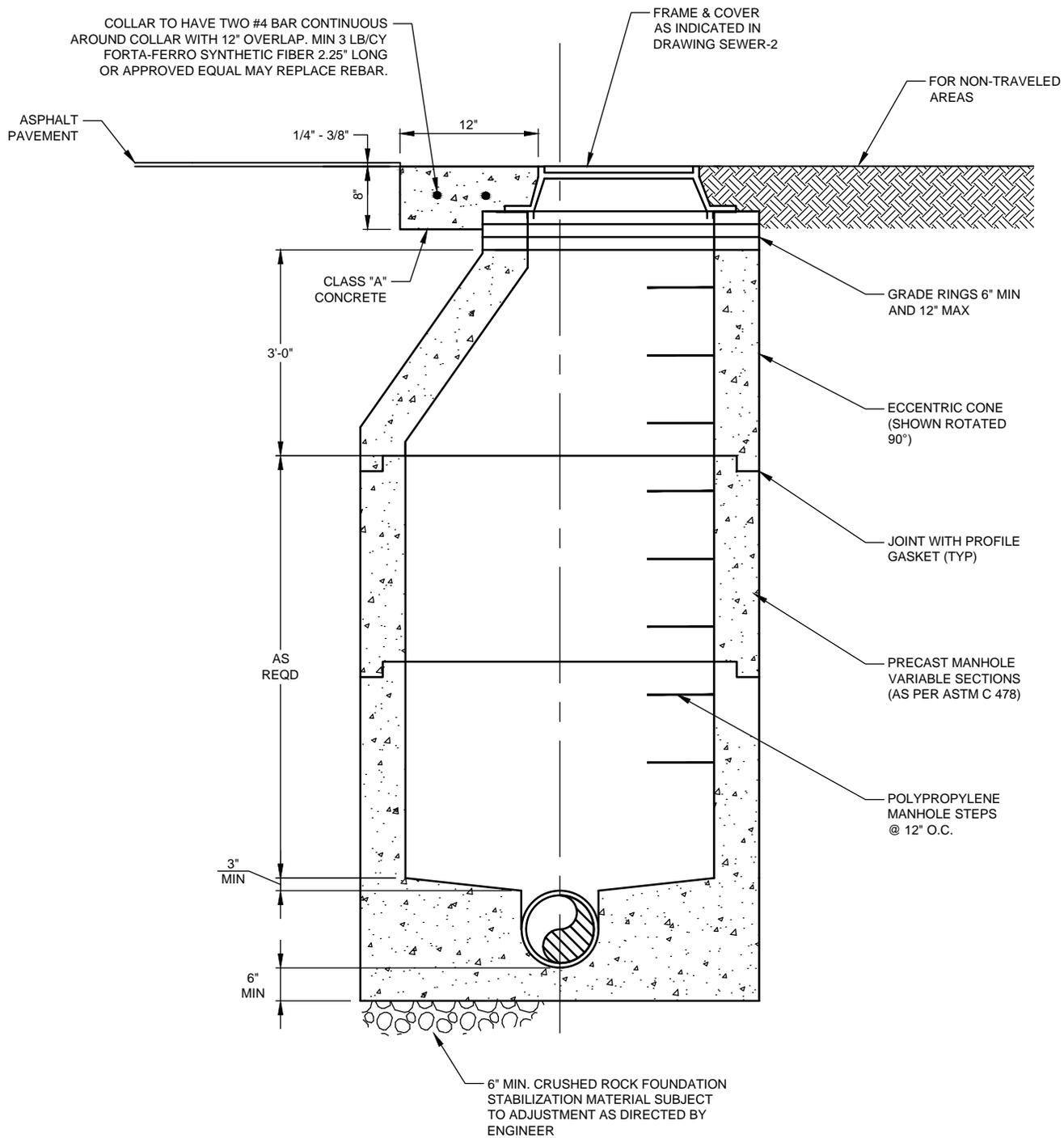
REQUIRED ON ALL NEW SEWER MAIN CONSTRUCTION

03/12

PREFABRICATED SEWER LATERAL

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HEBER CITY
STANDARD DRAWING
SEWER-4



NOTES:

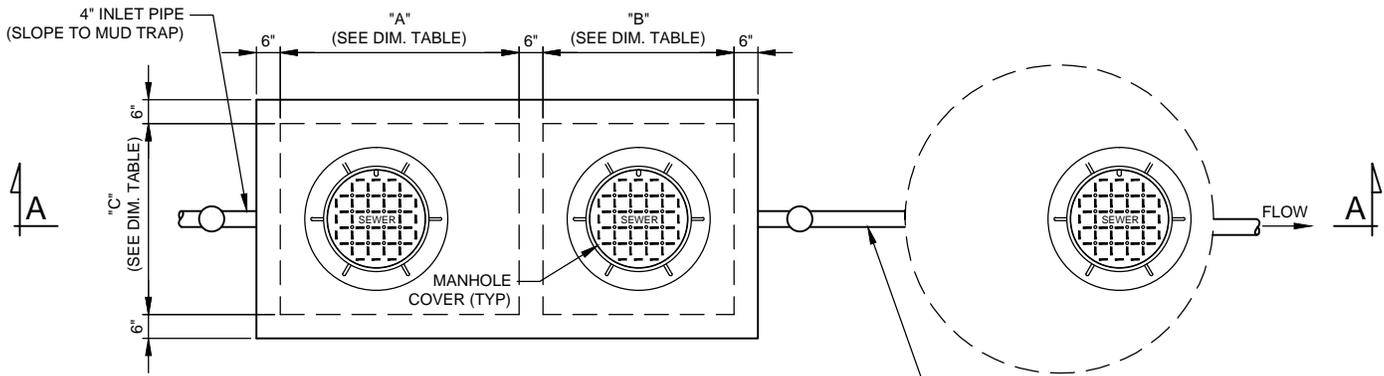
1. LOCATE MANHOLE COVER ON SIDE OF MANHOLE AS SHOWN ABOVE. SET MANHOLE FRAME IN GROUT.
2. ALL MANHOLES TO BE WATER TIGHT AND TESTED AS PER STD. SPEC. 02660.
3. MANHOLE BASE AND 1ST SECTION OF MANHOLE TO BE FABRICATED AS AN INTEGRAL UNIT.
4. USE 5' DIAMETER OR LARGER MANHOLE FOR PIPE GREATER THAN 18" DIAMETER.
5. USE 4' DIAMETER MANHOLE FOR ALL PIPE UP TO AND INCLUDING 18" DIAMETER.

PRECAST CONCRETE SEWER MANHOLE

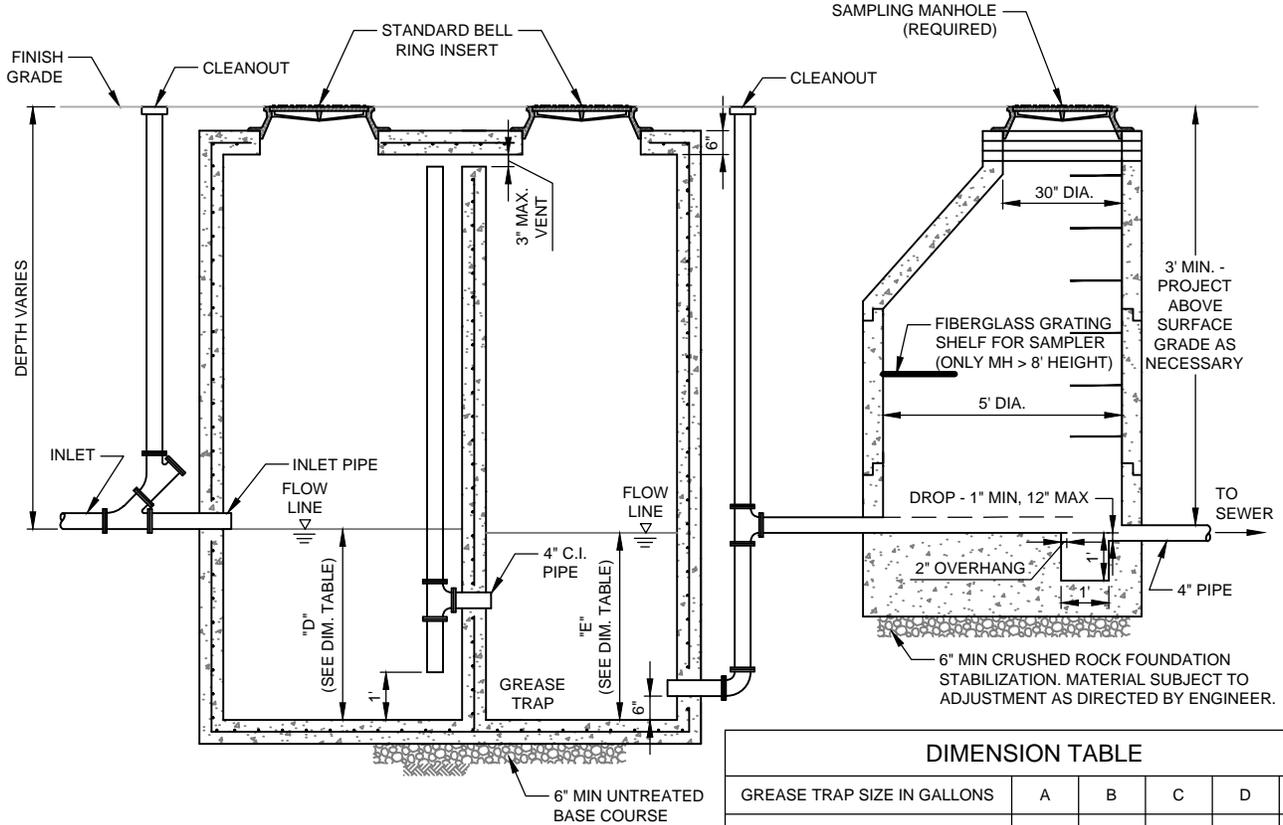
N.T.S

03/12

HEBER CITY
STANDARD DRAWING
SEWER-5



PLAN - GREASE TRAP TANK



**SECTION A-A
GREASE TRAP TANK**

DIMENSION TABLE					
GREASE TRAP SIZE IN GALLONS	A	B	C	D	E
1500	5'-8"	4'-8"	5'-0"	4'-4"	4'-0"
1000	5'-0"	4'-0"	4'-0"	4'-0"	3'-11"
750	3'-1"	3'-1"	4'-0"	4'-2"	3'-10"

NOTES:

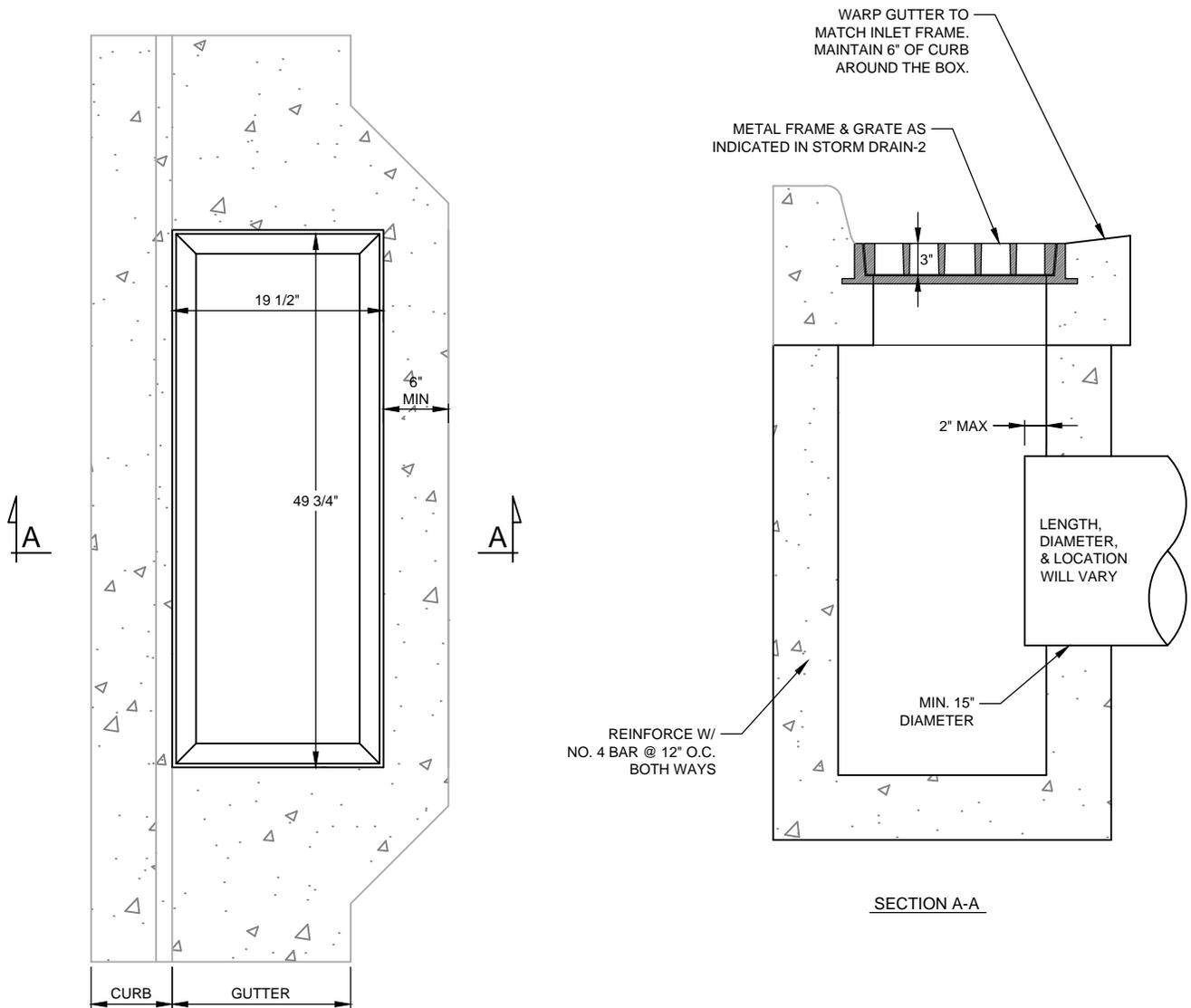
- CONCRETE SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 4000 PSI.
- REINFORCING STEEL SHALL BE ASTW A615 GRADE 60.
- THE CONCRETE COVER OVER THE REINFORCING STEEL SHALL BE A MINIMUM OF 1 1/2 INCHES.
- THE STRUCTURE SHALL BE DESIGNED AND STAMPED BY A REGISTERED PROFESSIONAL ENGINEER LICENSED IN THE STATE OF UTAH.
- THE STRUCTURE SHALL BE DESIGNED FOR THE FOLLOWING LOADING CRITERIA:
 - WALLS DESIGNED FOR A SATURATED EQUIVALENT FLUID AT-REST SOIL PRESSURE OF 120 PCF PLUS TRUCK SURCHARGE.
 - TRUCK LOADING USING AN AASHTO H-20 TRUCK LOAD.
- THE MANWAY FRAME AND COVER SHALL BE A TRAFFIC TYPE CASTING FOR H-20 TRUCK LOAD.
- WHERE THE SEWER LINE ALREADY EXISTS, THE SEWER INVERT INTO AND OUT OF THE TANK SHALL BE 4'-0" ABOVE THE TANK FLOOR.
- PLUMBING OUTSIDE OF THE GREASE INTERCEPTOR WILL BE IN ACCORDANCE TO LOCAL REGULATIONS.
- THE BAFFLE INSIDE THE INTERCEPTOR SHALL BE WITHIN 3 INCHES OF THE CEILING.
- COVERS SHALL BE CIRCULAR AND SHALL BE SOLID WITH PICK HOLES FOR REMOVAL.
- THE INLET PIPE SHALL BE AT AN ELEVATION OF 1 INCH OR HIGHER THAN THE OUTLET PIPE.
- SANITARY WASTES FROM TOILETS SHALL NOT BE PLUMBED TO GREASE INTERCEPTORS.
- PIPING AS PER CITY OR SANITARY DISTRICT REQUIREMENTS.

03/12

GREASE INTERCEPTOR

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HEBER CITY
STANDARD DRAWING
SEWER-6



NOTES:

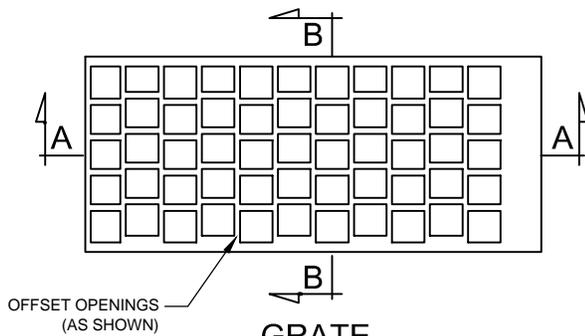
1. ALL FRAMES & GRATES TO BE CAST IRON.
2. CONSTRUCT BOX (WALL THICKNESS) TO MATCH EXISTING OR NEW TYPE OF CURB AS SHOWN.
3. A SNOOT OR APPROVED EQUAL SHALL BE USED WHERE THE STORM WATER IS LEAVING THE BOX OR STORM WATER SYSTEM AND ENTERING A SUMP, RETENTION / DETENTION POND, OR DISCHARGE POINT.

CURB DROP INLET STANDARD BOX

N.T.S

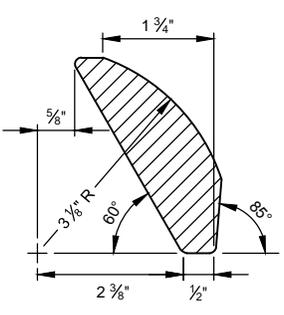
03/12

HEBER CITY
STANDARD DRAWING
STORM DRAIN-1

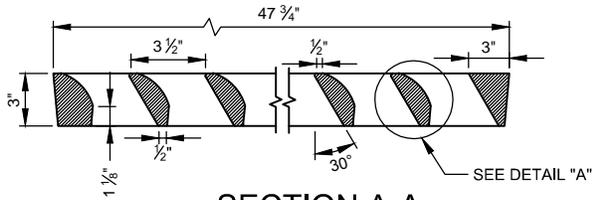


GRATE

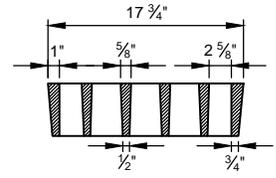
WEIGHT: 266 LBS.



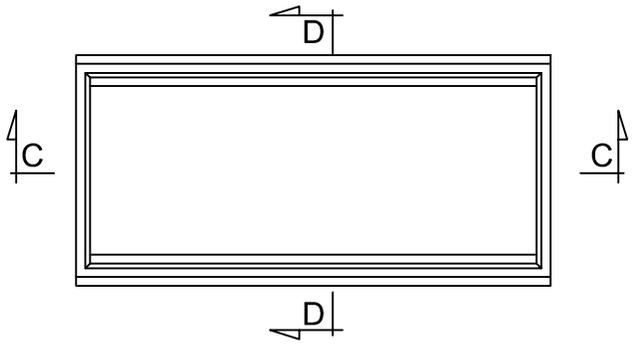
DETAIL "A"



SECTION A-A

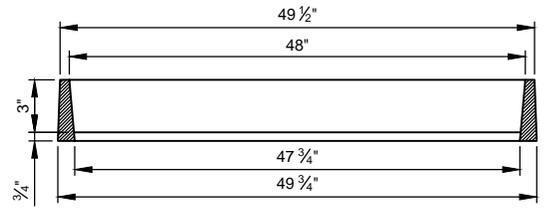
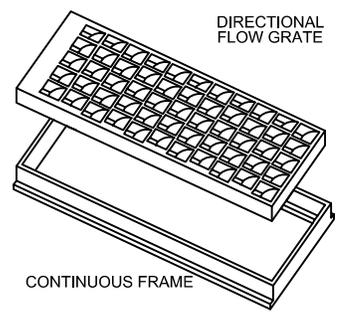


SECTION B-B

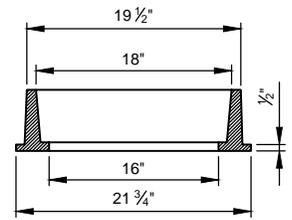


FRAME

WEIGHT: 160 LBS.



SECTION C-C



SECTION D-D

NOTES:

1. ALL DIMENSIONS ARE INCHES (in) UNLESS OTHERWISE NOTED.
2. GRATE AND FRAME MAY BE FURNISHED IN EITHER DUCTILE IRON (ASTM A-536 GRADE 60) OR CAST GRAY IRON: AASHTO M-105, CLASS 30 B (ASTM A-48).
3. INSTALLATION REQUIRES SUPPORT UNDER LONGITUDINAL AXIS OF FRAME. ORIENT GRATE WITH DIRECTION OF FLOW.
4. GRATE & FRAME SHALL BE D&L I-1803 OR APPROVED EQUAL.

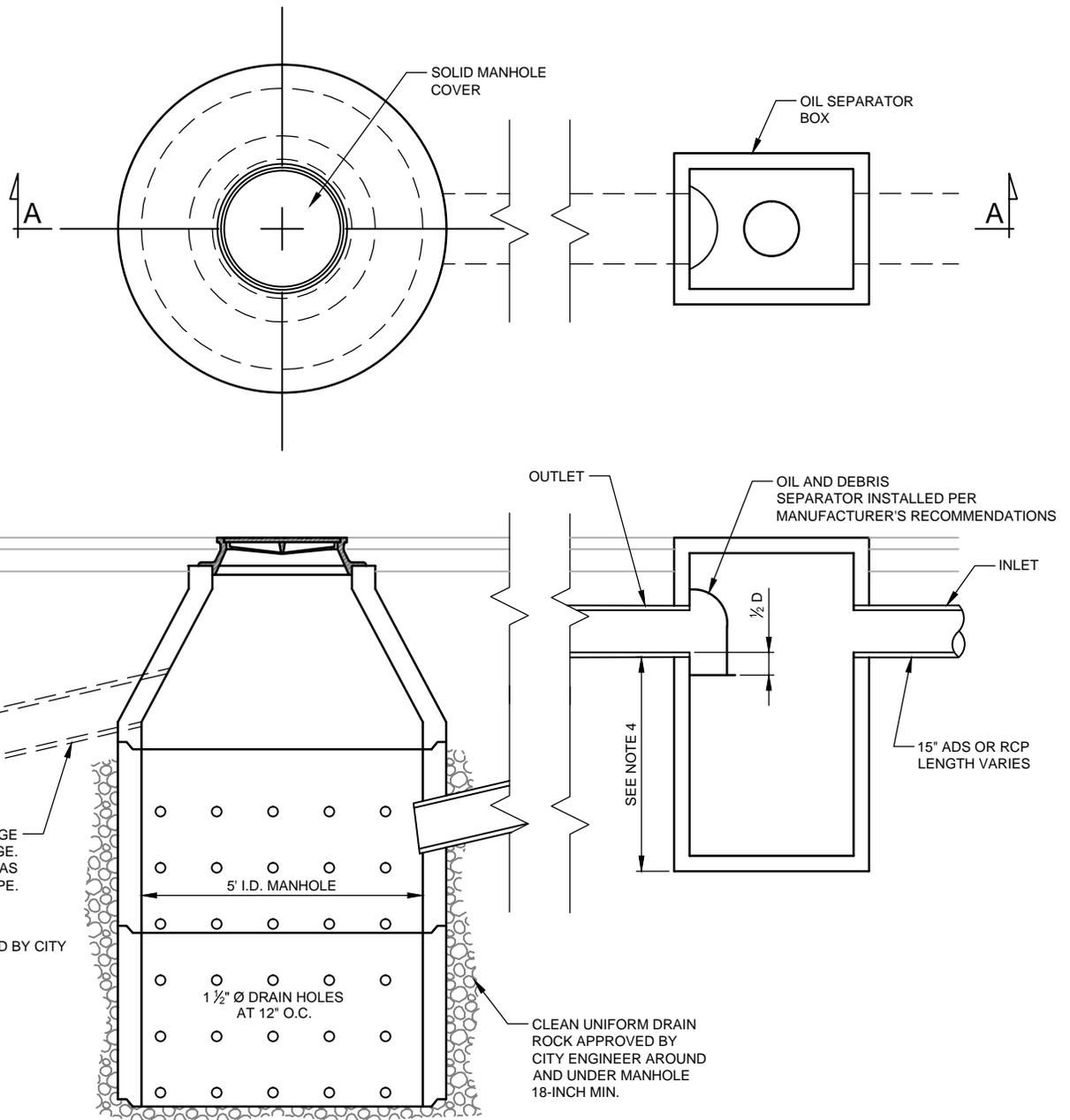
DESIGN DATA:

MS 18 (HS-20) OR INTERSTATE ALTERNATE LOADING IN ACCORDANCE WITH CURRENT AASHTO AND INTERIM SPECIFICATIONS.
 DUCTILE IRON AND STRUCTURAL STEEL: fs=138 MPa

GRATE & FRAME

N.T.S

HEBER CITY
 STANDARD DRAWING
 STORM DRAIN-2



SECTION A-A

NOTES:

1. CONSTRUCT DROP INLET BOX TO MATCH WIDTH OF CURB & GUTTER. MATCH INSIDE LENGTH OF BOX TO INSIDE LENGTH OF FRAME.
2. D & L I-3516 WITH ADJUSTABLE CURB BOX.
3. STANDARD CAST IRON MANHOLE RING & LID.
4. SUMP DEPTH = 36" MIN. FOR 12" DIAMETER OUTLET AND SMALLER, FOR OUTLET DIAMETER 15" AND LARGER, DEPTH = 2.5 TO 3 TIMES THE DIAMETER.

**SUMP DISPOSAL &
OIL SEPARATOR**

N.T.S

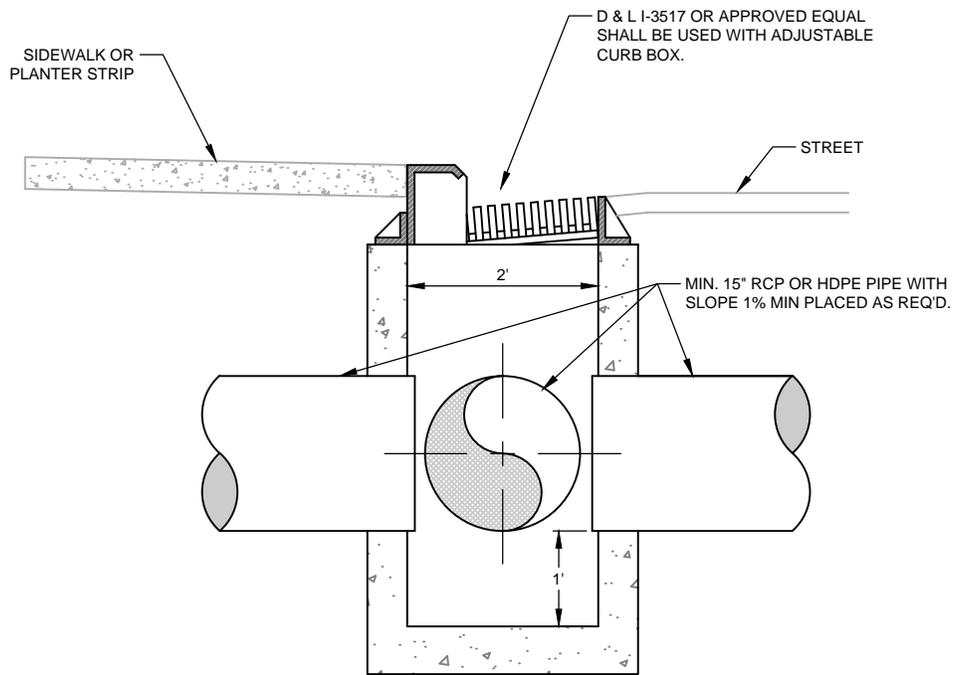
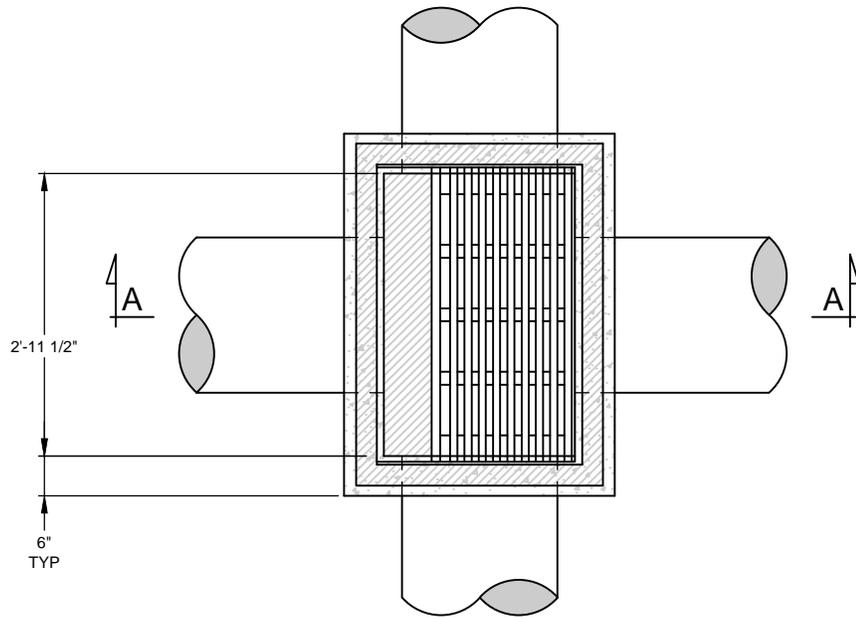
03/12

HEBER CITY
STANDARD DRAWING
STORM DRAIN-3

STANDARD DRAWINGS

TABLE OF CONTENTS

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SECTION A-A

NOTES:

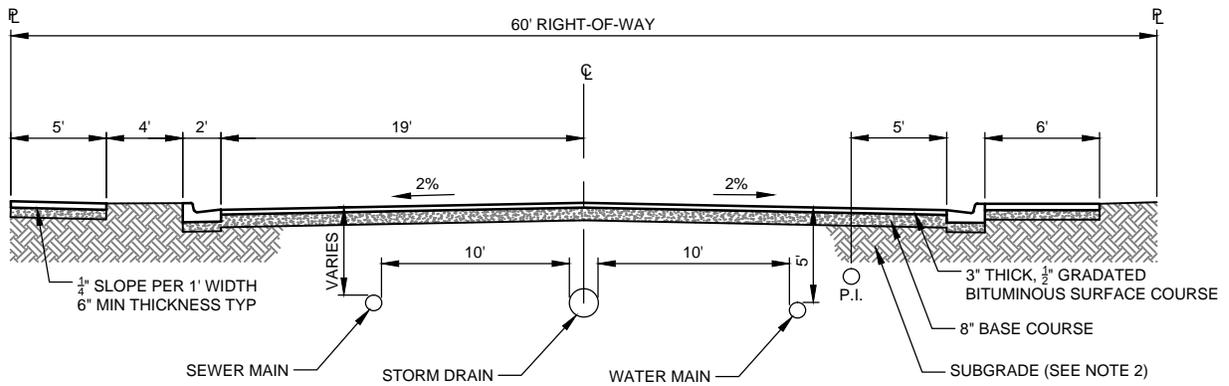
1. #4 REBAR SPACED NO GREATER THAN 12" O.C. HORIZ. AND 8" O.C. VERTICAL. 14" OVERLAP OF REBAR REQUIRED.
2. OPEN FACE CATCH BASIN TO BE USED ONLY AT THE CITY ENGINEER'S DISCRETION.
3. D & L I-3517 GRATE AND FRAME WITHOUT HOOD MAY BE USED AT CITY ENGINEER'S DISCRETION.

03/12

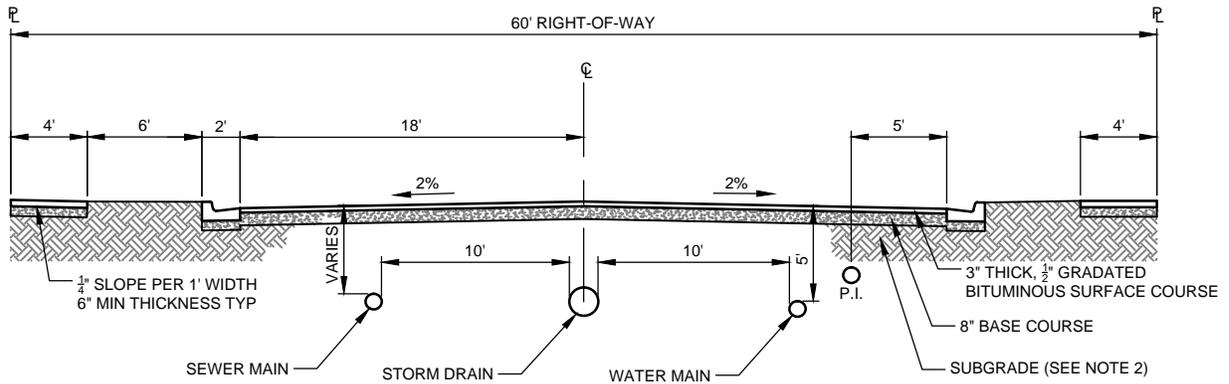
CURB INLET BOX-OPEN FACE

N.T.S

HEBER CITY
STANDARD DRAWING
STORM DRAIN-4



NON-RESIDENTIAL LOCAL



RESIDENTIAL LOCAL

NOTES:

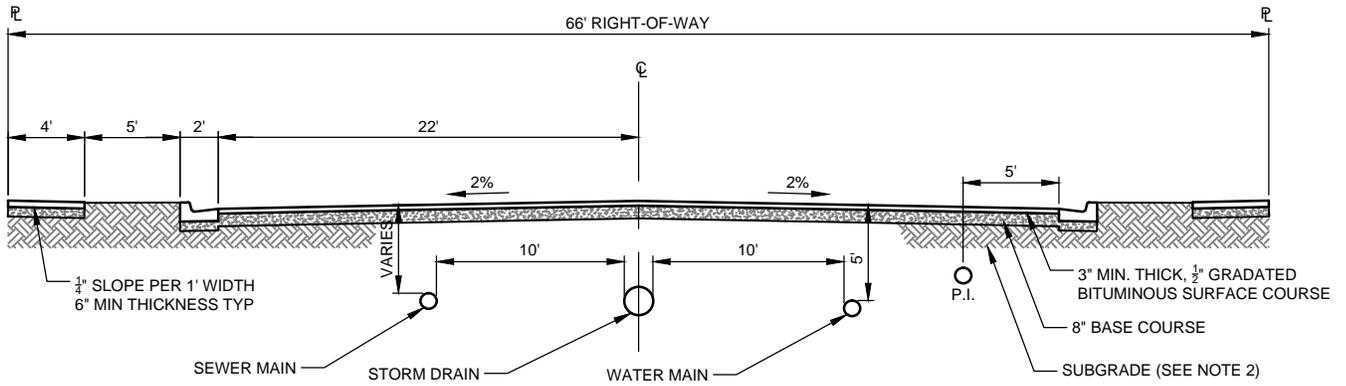
1. WHEREVER POSSIBLE, SANITARY SEWER SHALL BE INSTALLED ON THE DOWNHILL SIDE OF THE STREET.
2. SUBGRADE SHALL BE A-1 GRANULAR MATERIAL PER SECTION 02225.
3. COMMERCIAL SIDEWALK TO BE FIVE FEET WIDE MINIMUM.
4. PARK STRIP REQUIRED ON RESIDENTIAL LOCAL ROADS.
5. MAXIMUM ROAD GRADE IS 8% WITHOUT CITY ENGINEER'S APPROVAL.
6. PARK STRIPS TO BE FILLED TO WITHIN ONE INCH OF T.B.C. AND TOP OF SIDEWALK.

STREET CROSS-SECTIONS & UTILITY LOCATIONS

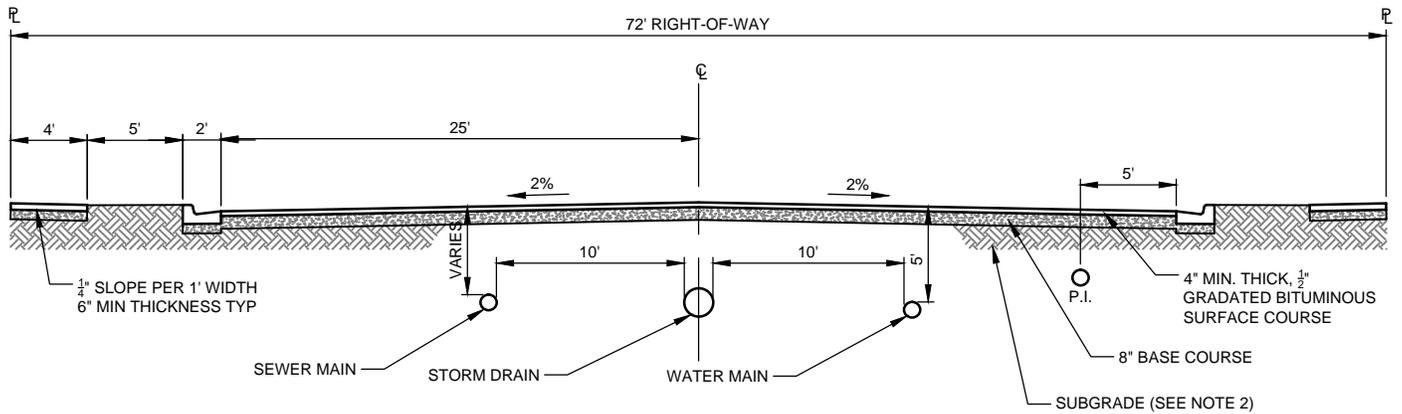
N.T.S

03/12

HEBER CITY
STANDARD DRAWING
STREETS-1



MINOR COLLECTOR



MAJOR COLLECTOR

NOTES:

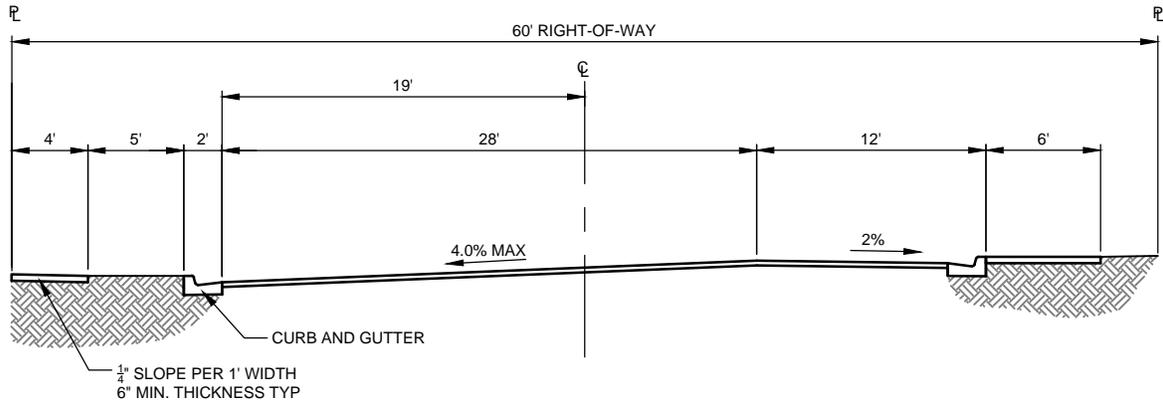
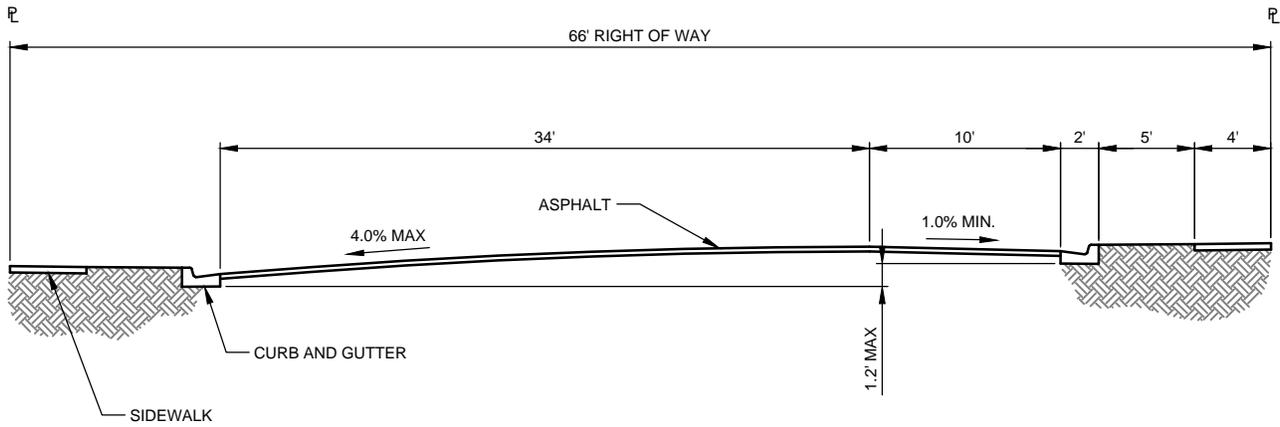
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STREET CROSS-SECTIONS & UTILITY LOCATIONS

N.T.S

03/12

HEBER CITY
STANDARD DRAWING
STREETS-2



NOTES:

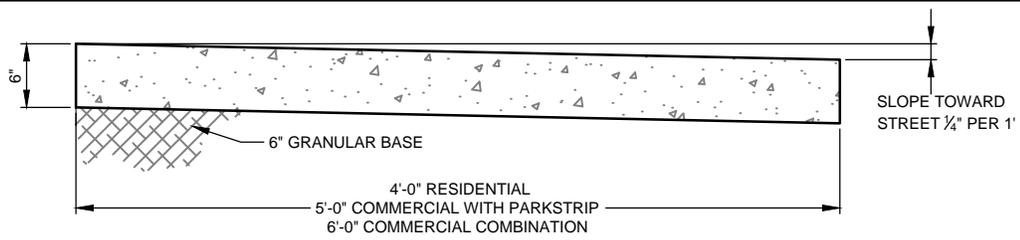
1. PARK STRIPS TO BE FILLED TO WITHIN ONE INCH OF T.B.C. AND TOP OF SIDEWALK.

STREET CROSS-SECTIONS CURBS AT UNEQUAL ELEVATIONS

N.T.S

03/12

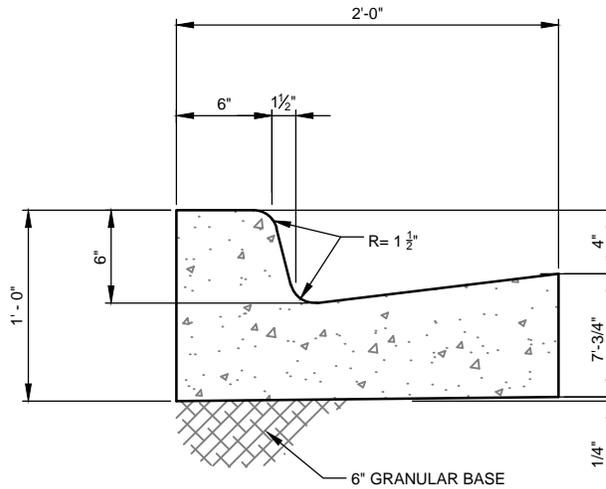
HEBER CITY
STANDARD DRAWING
STREETS-3



NOTE: WHEN REPLACING SIDEWALK, THICKNESS MAY BE REDUCED TO 4" WITH CITY ENGINEER APPROVAL.

SIDEWALK

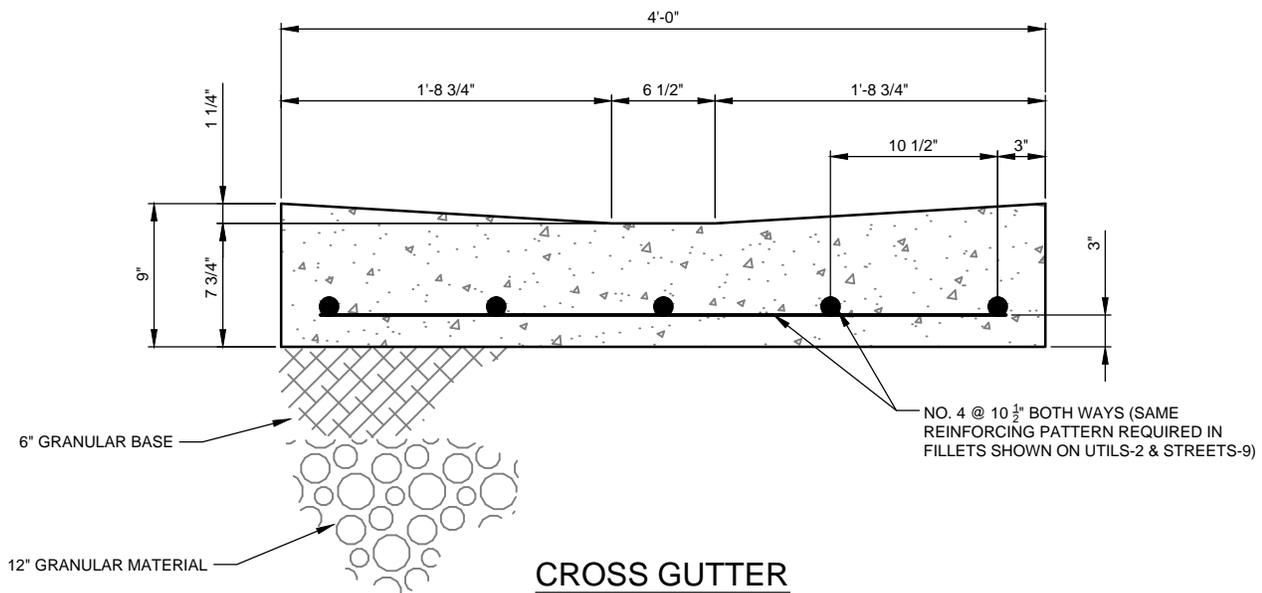
N.T.S



NOTE: THE TOP BACK OF CURB SHALL BE STAMPED ACCORDING TO SECTION 700 - 1.02 - L.

HIGH BACK CURB & GUTTER

N.T.S



CROSS GUTTER

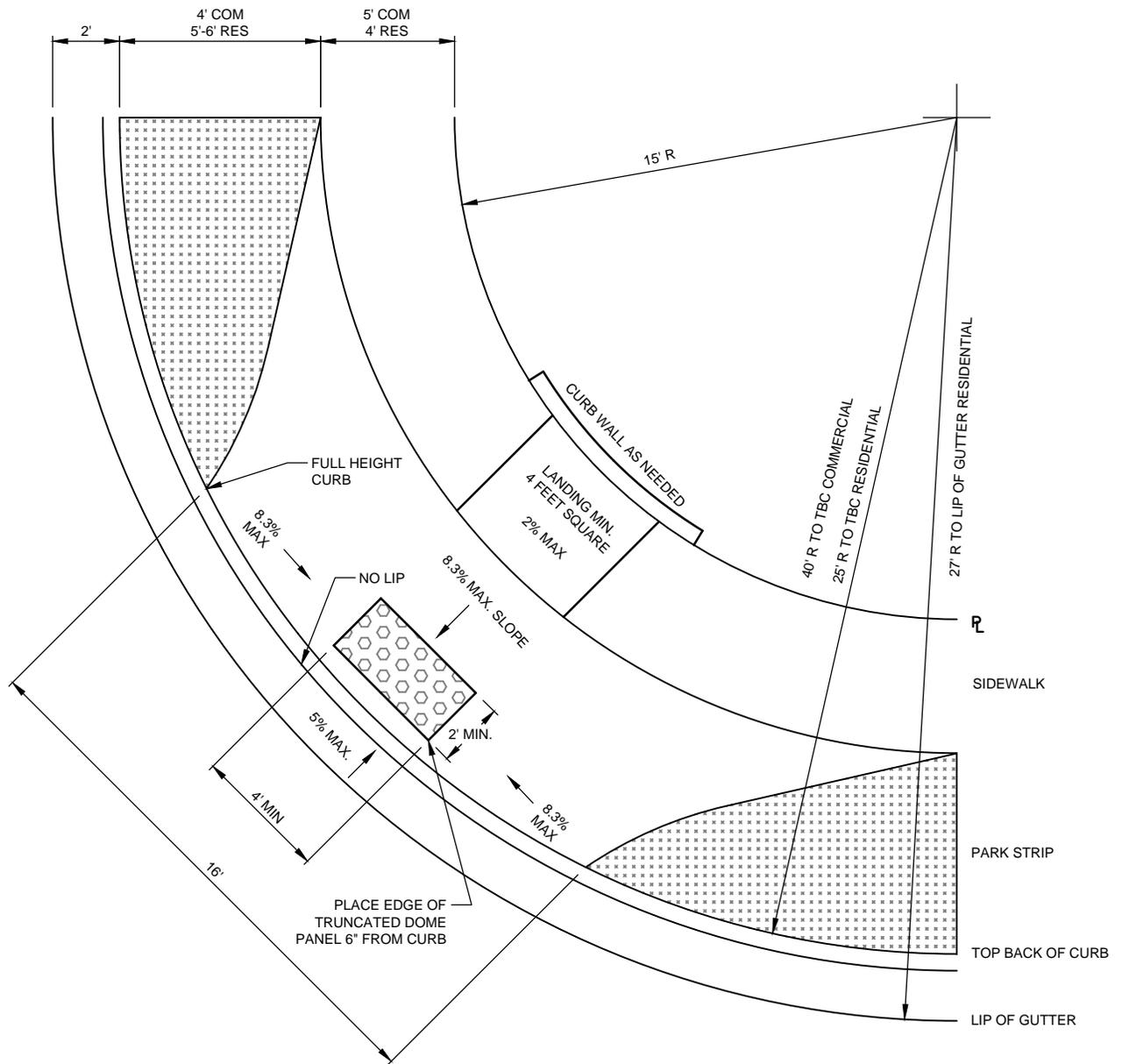
N.T.S

SIDEWALK, CURB & GUTTER

N.T.S

03/12

HEBER CITY
STANDARD DRAWING
STREETS-4



NOTES:

1. RAMP TO INCLUDE ADA DETECTABLE WARNING STRIP; IE. ADA Solutions, Armor-Tile Cast In Place, MASCO CASTinTact, WAUSAU, OR TEKWAY
2. COLOR OF ADA DETECTABLE WARNING STRIP SHALL BE DARK RED OR GRAY
3. CURB SLOPE 12:1 MAX, CROSS SLOPE 12:0.25 MAX

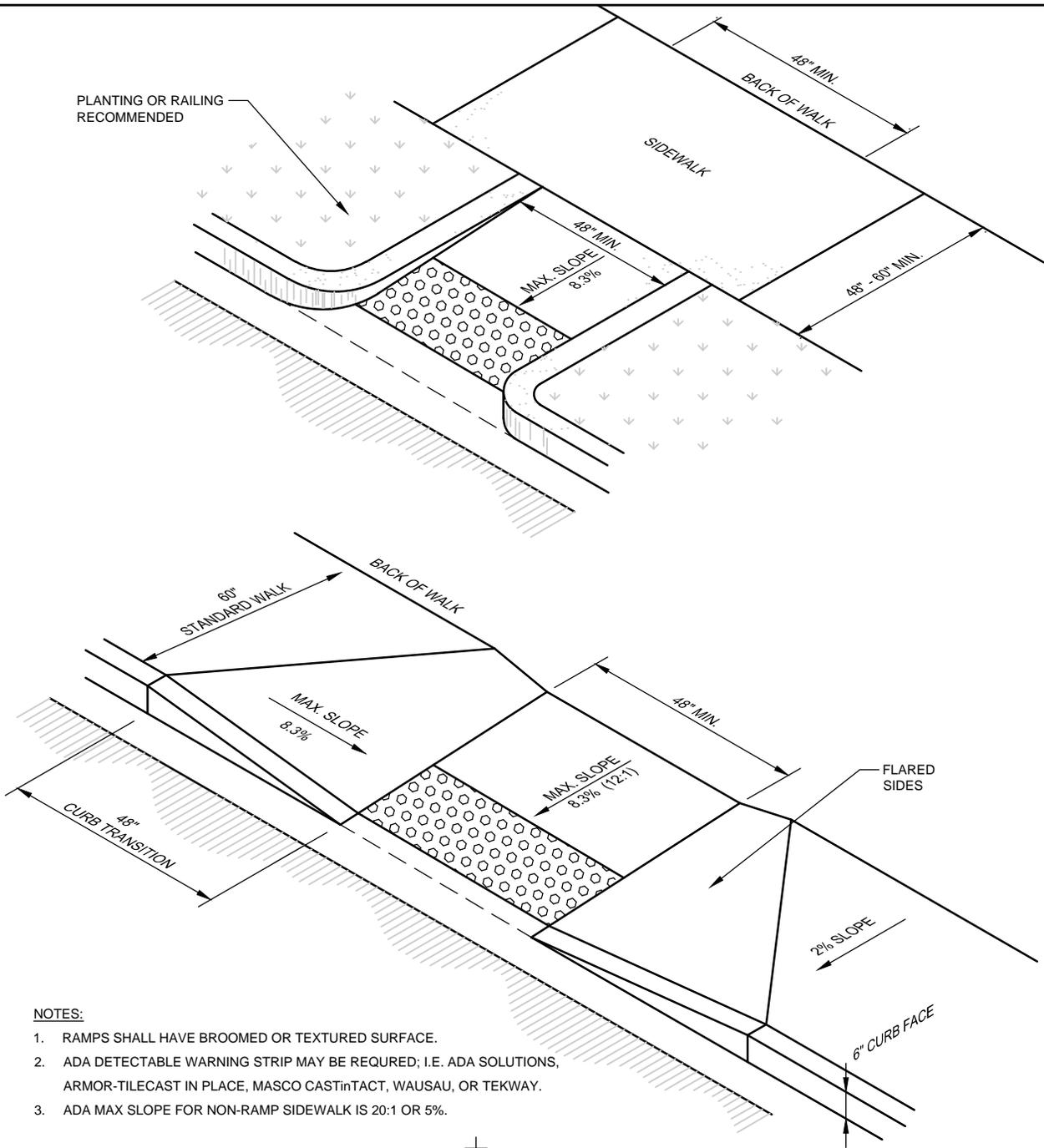
ADA STREET CORNERS

N.T.S

03/12

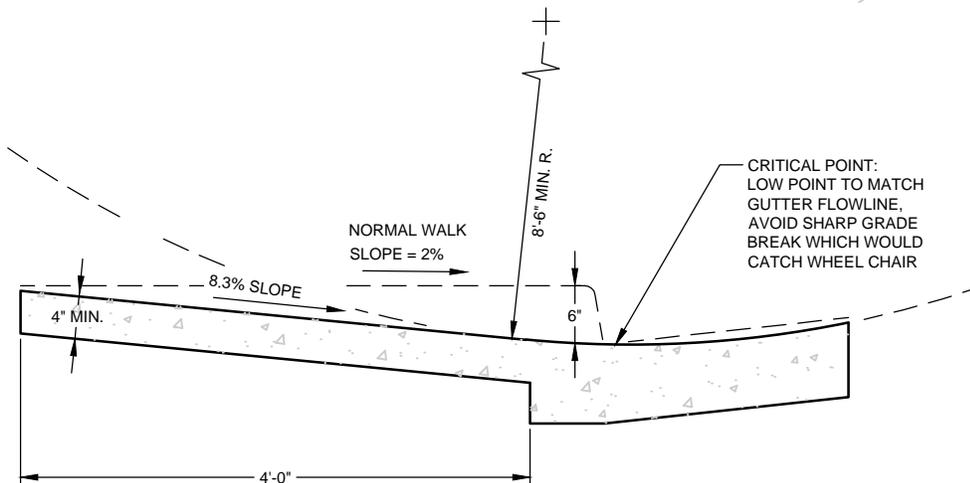
HEBER CITY
STANDARD DRAWING
STREETS-5

PLANTING OR RAILING
RECOMMENDED



NOTES:

1. RAMPS SHALL HAVE BROOMED OR TEXTURED SURFACE.
2. ADA DETECTABLE WARNING STRIP MAY BE REQUIRED; I.E. ADA SOLUTIONS, ARMOR-TILECAST IN PLACE, MASCO CASTinTACT, WAUSAU, OR TEKWAY.
3. ADA MAX SLOPE FOR NON-RAMP SIDEWALK IS 20:1 OR 5%.

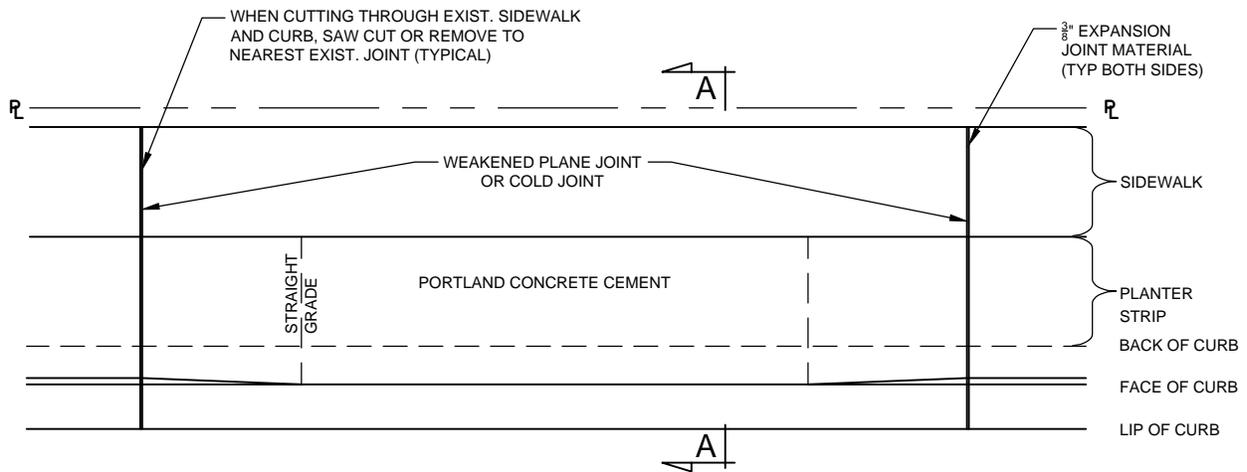


WHEEL CHAIR RAMP

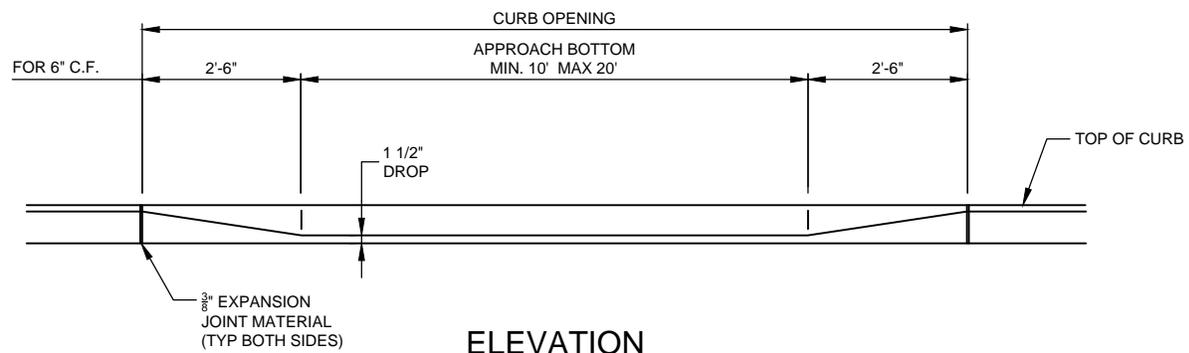
N.T.S

03/12

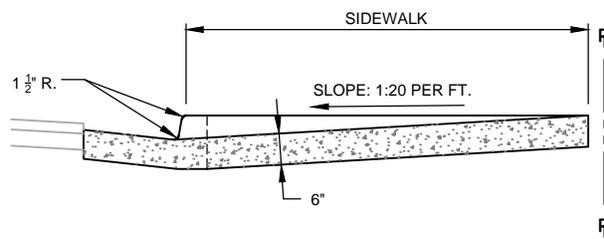
HEBER CITY
STANDARD DRAWING
STREETS-6



PLAN



ELEVATION



SECTION A-A

NOTES:

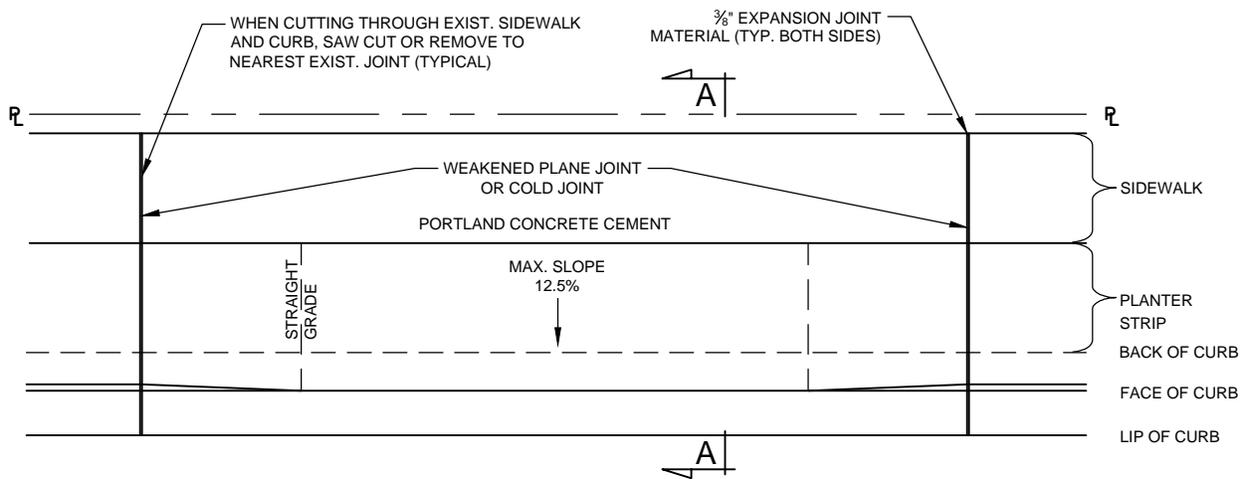
1. CURB OPENING SHALL HAVE A COURSE BROOM FINISH.
2. C.F. = CURB FACE
3. INSTALL 4" PVC SLEEVE UNDER DRIVEWAY AND 10" BELOW SIDEWALK FOR PI SERVICE.

RESIDENTIAL DRIVEWAY APPROACH

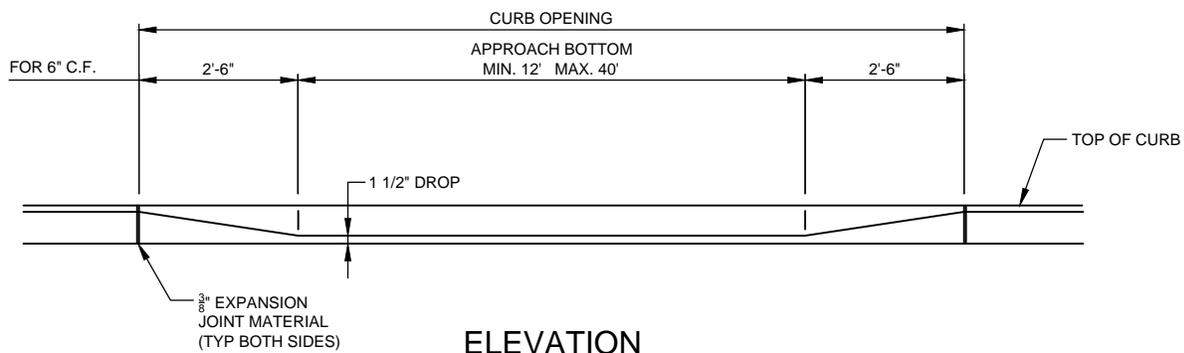
N.T.S

03/12

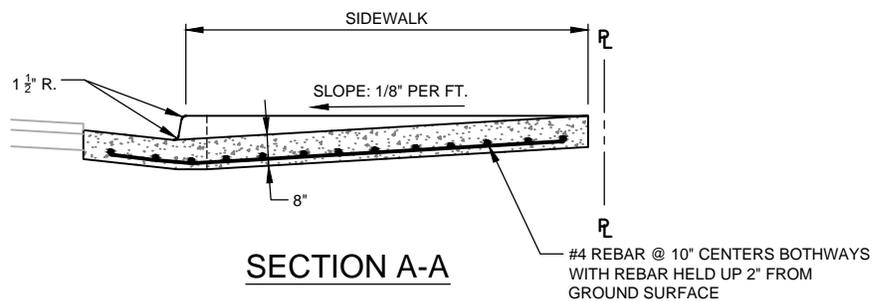
HEBER CITY
STANDARD DRAWING
STREETS-7



PLAN



ELEVATION



SECTION A-A

NOTES:

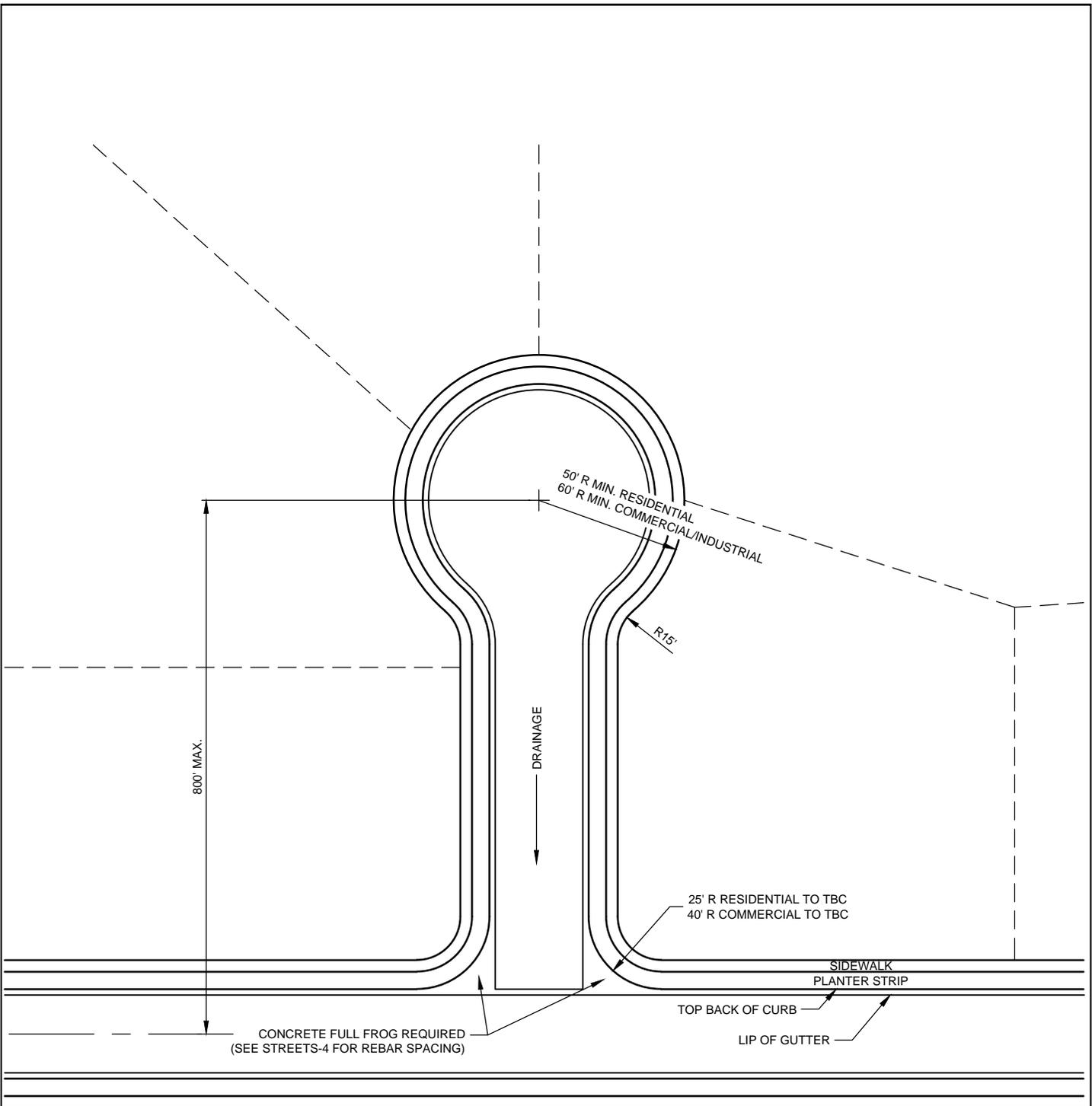
1. CURB OPENING SHALL HAVE A COURSE BROOM FINISH.
2. C.F. = CURB FACE.

**COMMERCIAL
DRIVEWAY APPROACH**

N.T.S

03/12

**HEBER CITY
STANDARD DRAWING
STREETS-8**

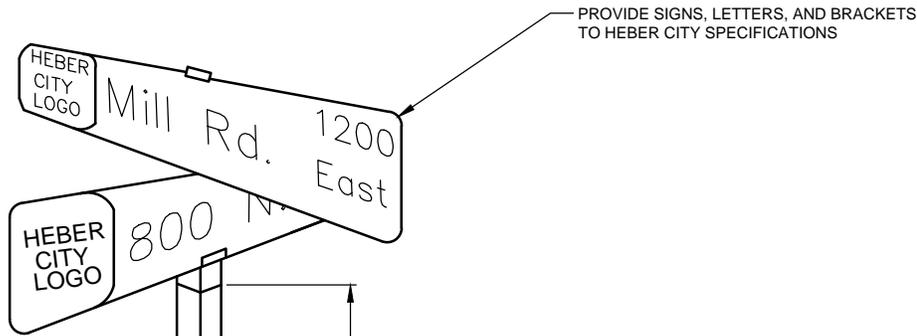


CUL-DE-SACS

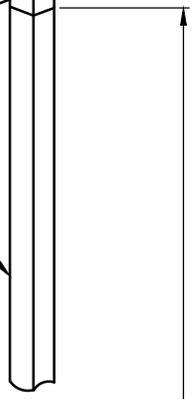
N.T.S

03/12

HEBER CITY
STANDARD DRAWING
STREETS-9



GALVANIZED STEEL TUBE
12.5' X 1 3/4" X 1 3/4"
3/8" DIAMETER HOLES
1" ON CENTER
(FULL LENGTH OF POST)



10'



2" X 2" X 30" SLEEVE
TO ALLOW SIGN REMOVAL
AND INSTALLATION

FINISH GRADE

CONCRETE BASE
(24" x 12" DIA.)

2"

24"

EXTEND 4" BEYOND
CONCRETE BASE

4"

1'

NOTES:

1. FORMAT: SECURE ENGINEER'S APPROVAL OF SIGN FORMAT AND INSTALLATION.
2. INSTALLATION:
 - A. INSTALL SIGNS ON THE NORTH-EAST OR SOUTH-WEST CORNERS OF THE INTERSECTION.
 - B. INSTALL THE EDGE OF THE SIGN 2 FEET FROM THE VERTICAL EXTENSION OF THE BACK OF CURB AS NEAR AS POSSIBLE TO THE APPROACH CURB P.C. (POINT OF CURVATURE).
3. NAMED STREETS SHOULD ALSO INCLUDE NUMERIC LOCATION ON RIGHT SIDE OF SIGN.

STREET NAME SIGNS:

1. SIZE 38" X 8".
2. DOUBLE BLADED .080 ALUMINUM WITH RIVETED ENDS AND BACK WASHERS.
3. THE LETTERING FOR NAMES OF STREETS AND HIGHWAYS ON STREET NAME SIGNS SHALL BE COMPOSED OF A COMBINATION OF LOWER-CASE LETTERS WITH INITIAL UPPER-CASE LETTERS (SERIES C).
4. LETTERING ON POST-MOUNTED STREET NAME SIGNS SHOULD BE COMPOSED OF INITIAL UPPER-CASE LETTERS AT LEAST 6 INCHES IN HEIGHT AND LOWER-CASE LETTERS AT LEAST 4.5 INCHES IN HEIGHT (SEE MUTCD FOR SPEEDS GREATER THAN 40 MPH).
5. 3" SERIES C LETTERS IF COORDINATE IS REQUIRED.
6. PRISMATIC GRADE LETTERING ON PRISMATIC GRADE GREEN BACKGROUND.
7. 8" X 8" LOGO LEFT HAND PORTION OF SIGN.
8. LOGO COLOR: BLUE AND GOLD ON ENGINEER GRADE WHITE.
9. LOGO LETTERING "HEBER CITY" W/ HEBER CITY OFFICE BUILDING IN TRIPLICATE FADING INTO BACKGROUND.

REGULATORY SIGNS:

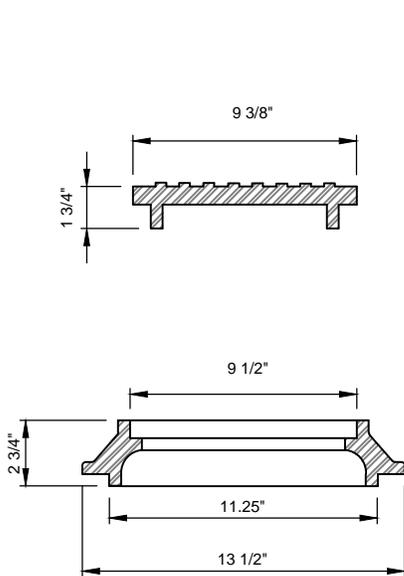
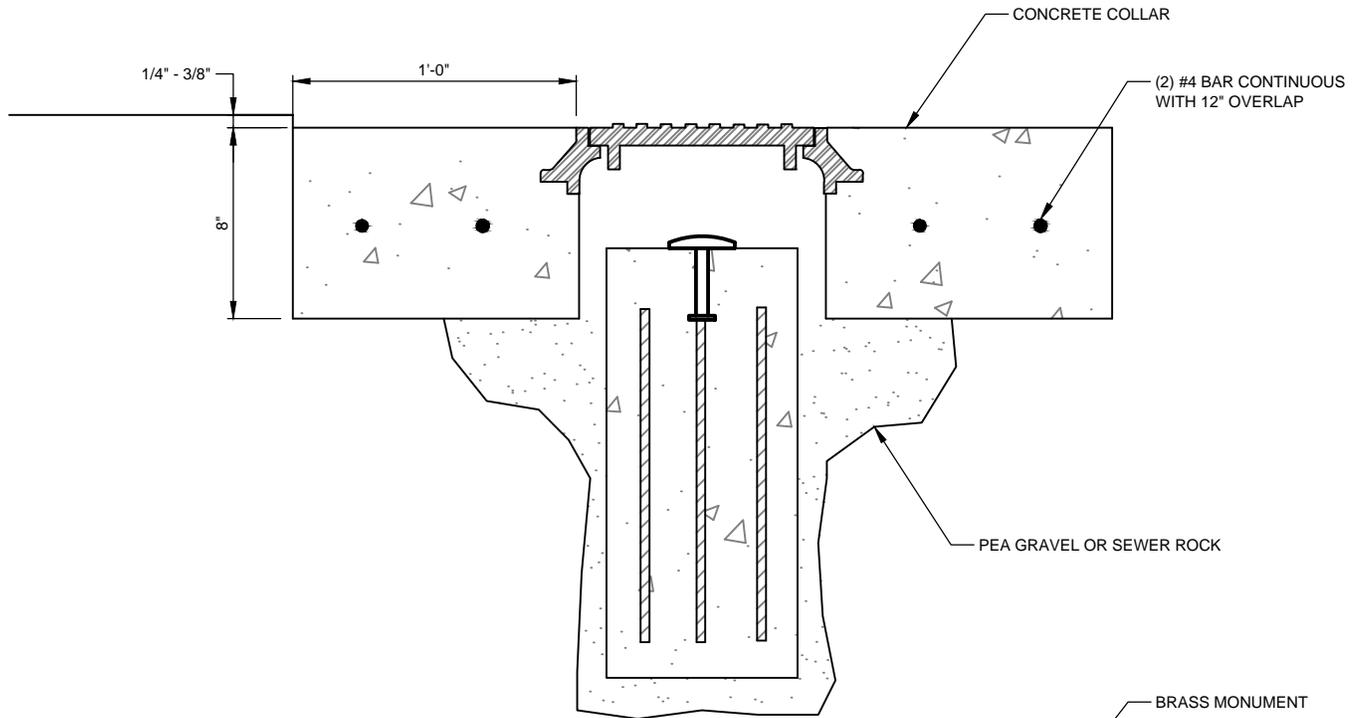
1. ALL STOP (R1-1-30), YIELD (R1-2-36) & SPEED LIMIT (R2-1-24) SIGNS ARE .080 ALUMINUM WITH PRISMATIC REFLECTIVE SHEETING.
2. ALL OTHER SIGNS .080 W/ PRISMATIC GRADE SHEETING.
3. ALL STOP, YIELD, AND SPEED LIMIT SIGNS SHALL BE 7 FEET MINIMUM FROM BOTTOM OF SIGN TO T.B.C. OR ASPHALT SURFACE.
4. THE OUTER EDGE OF ALL SIGNS SHALL BE A MINIMUM OF 2 FEET BEHIND THE FACE OF CURB.

STREET ADDRESS SIGNS

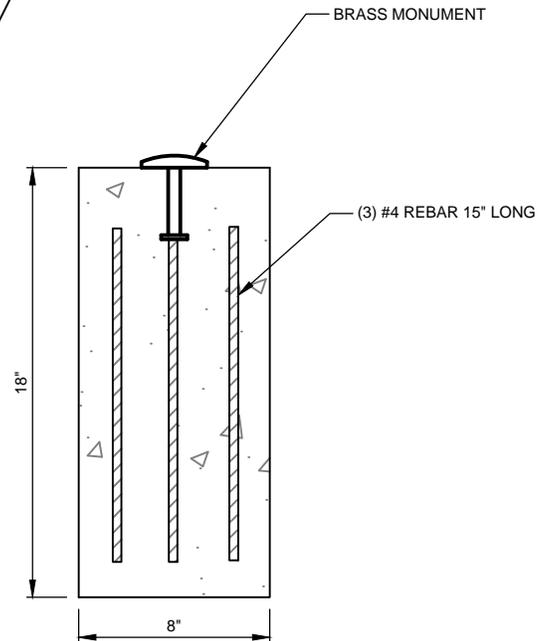
N.T.S

03/12

HEBER CITY
STANDARD DRAWING
STREETS-10



D & L SUPPLY # K-6313 OR APPROVED EQUAL



NOTES:

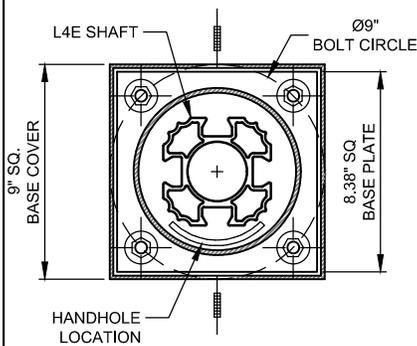
1. CAP SHOULD BE MARKED WITH CROSS ON WHICH LOCATION CORRESPONDS WITH RECORD OF SURVEY FILED WITH THE COUNTY.
2. CONCRETE BASE FOR THE SURVEY MONUMENT SHOULD BE INDEPENDENT OF CONCRETE COLLAR OF LID TO MINIMIZE VIBRATIONS TO MONUMENT.
3. CONCRETE BASE SHOULD BE INSTALLED USING PEA GRAVEL OR SEWER ROCK.
4. CONCRETE COLLAR TO HAVE TWO #4 BAR CONTINUOUS AROUND COLLAR WITH 12" OVERLAP.
5. CONCRETE COLLAR SHOULD BE 1/4" LOWER THAN SURROUNDING PAVEMENT.
6. LOCATE AT CENTERLINE OF INTERSECTIONS AND CUL-DE-SACS

03/12

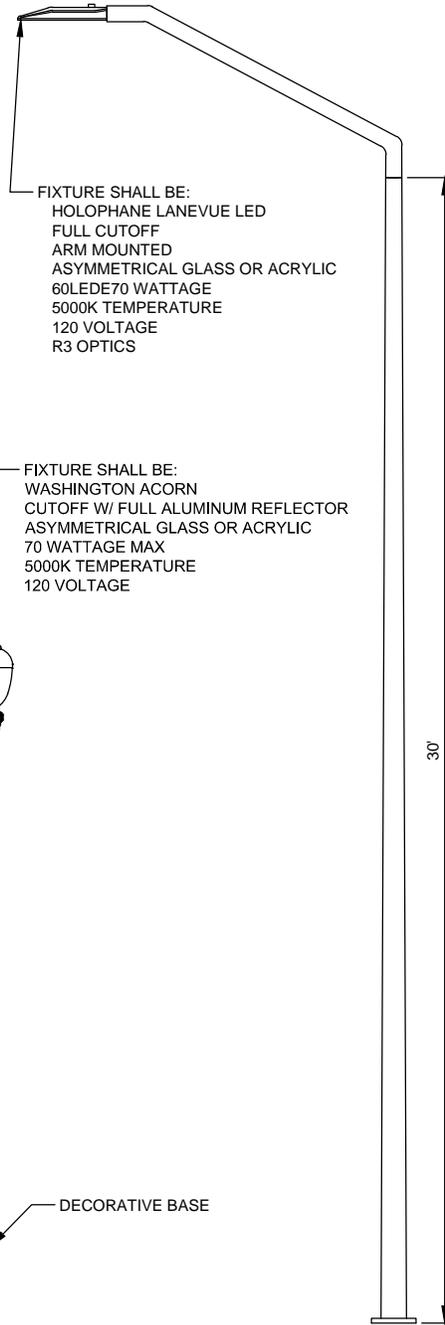
SURVEY MONUMENTS

N.T.S

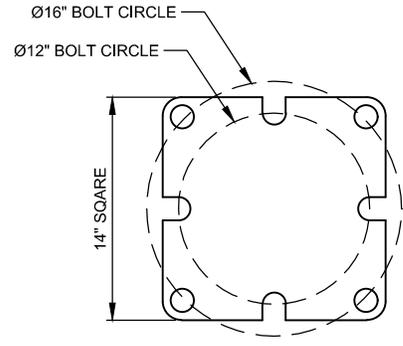
HEBER CITY
STANDARD DRAWING
STREETS-11



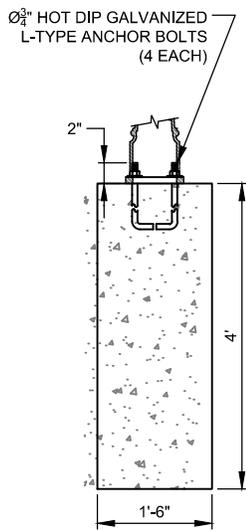
**RESIDENTIAL BASE PLATE
DETAIL**



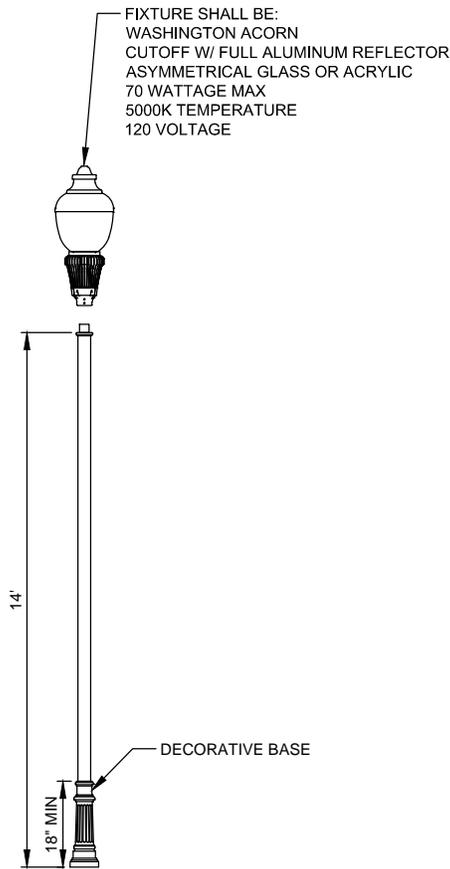
FIXTURE SHALL BE:
HOLOPHANE LANEVUE LED
FULL CUTOFF
ARM MOUNTED
ASYMMETRICAL GLASS OR ACRYLIC
60LEDE70 WATTAGE
5000K TEMPERATURE
120 VOLTAGE
R3 OPTICS



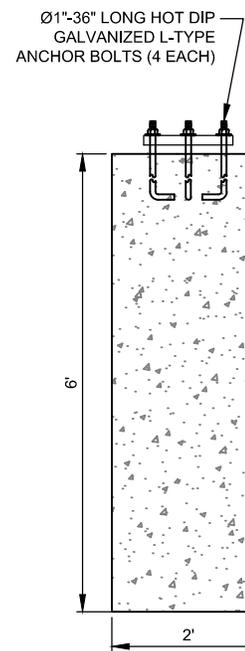
**COMMERCIAL BASE PLATE
DETAIL**



**RESIDENTIAL
CONCRETE BASE**



FIXTURE SHALL BE:
WASHINGTON ACORN
CUTOFF W/ FULL ALUMINUM REFLECTOR
ASYMMETRICAL GLASS OR ACRYLIC
70 WATTAGE MAX
5000K TEMPERATURE
120 VOLTAGE



**COMMERCIAL
CONCRETE BASE**

RESIDENTIAL

COMMERCIAL

NOTES:

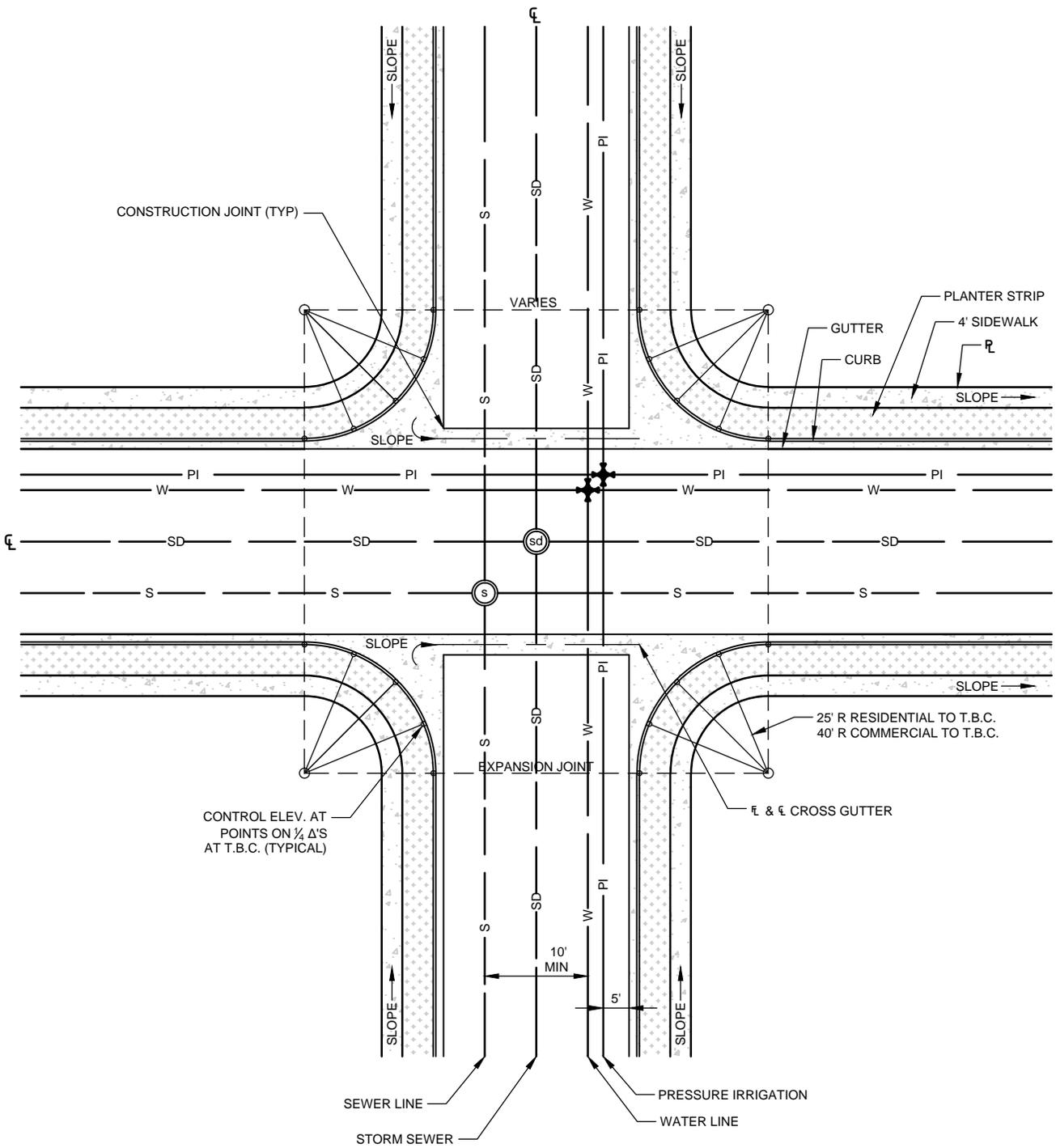
1. RESIDENTIAL POLES SHALL BE FLUTED OR SMOOTH ALUMINUM, DARK COLORED OR BLACK.
2. COMMERCIAL POLES SHALL BE ROUND TAPERED ALUMINUM, DARK COLORED OR BLACK.
3. LOADING CAPACITY OF POLE SHALL BE 100 POUND RATED FOR A STEADY WIND OF 90 MPH MINIMUM.
4. CONCRETE BASES SHALL BE BACKFILLED WITH SUITABLE MATERIAL COMPACTED TO 95 PERCENT.
5. CONCRETE BASES SHALL HAVE REINFORCING CAGE CONSISTING OF #4 REBAR @ 6" O.C. BOTH WAYS.

STREET LIGHTING

N.T.S

03/12

HEBER CITY
STANDARD DRAWING
STREETS-12



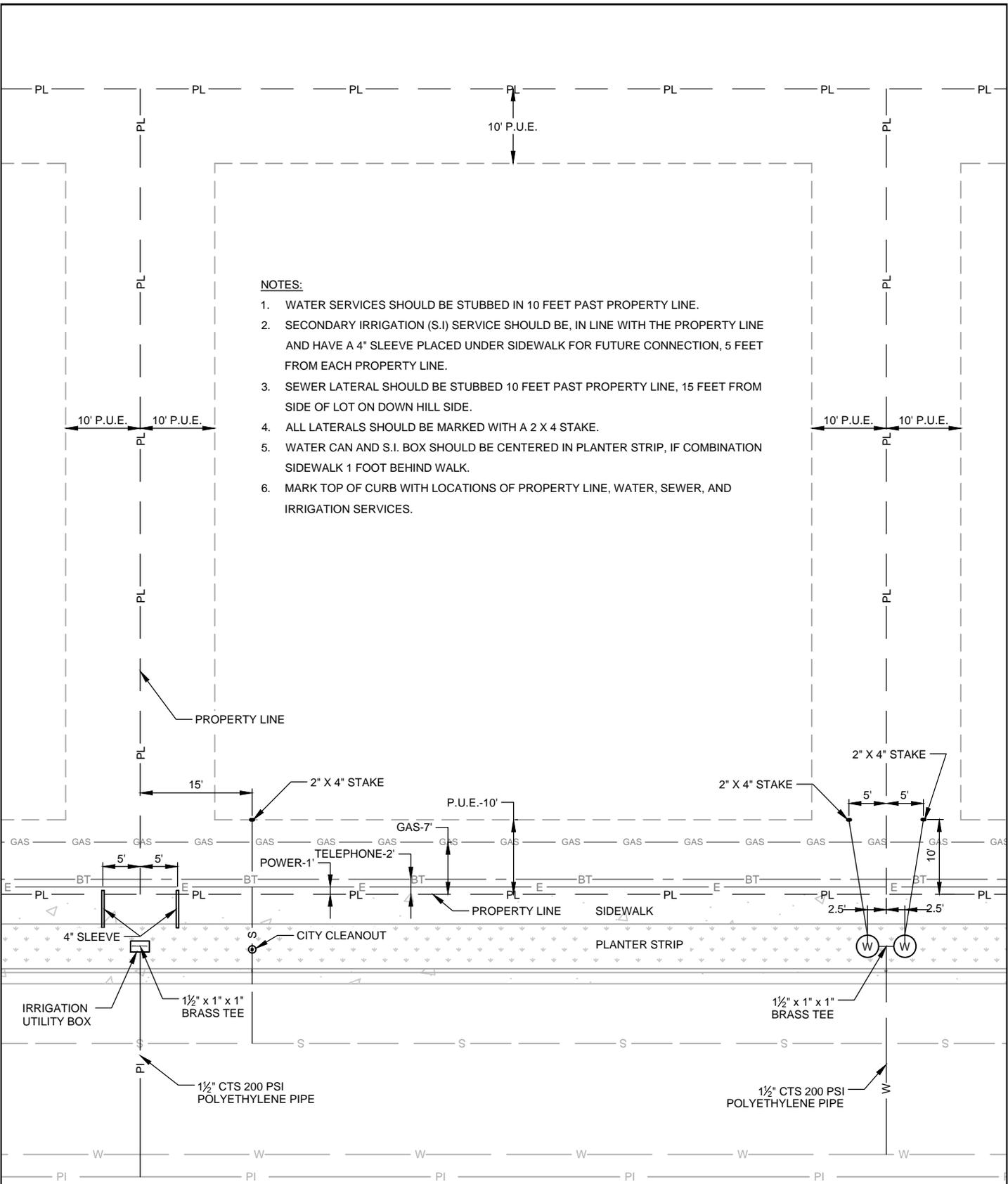
STANDARD STREET INTERSECTION AND UTILITY LOCATION

N.T.S

03/12

HEBER CITY
STANDARD DRAWING

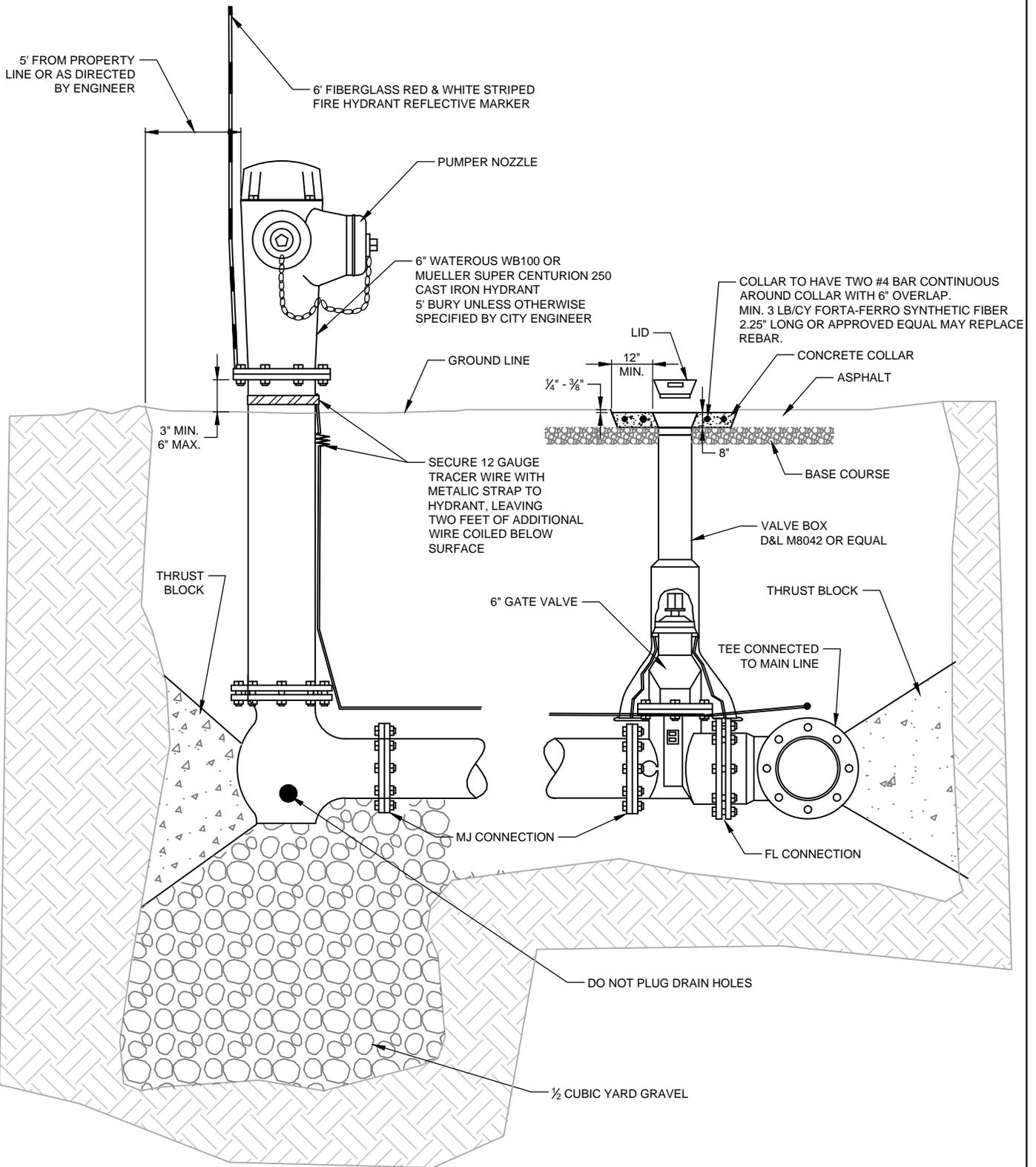
UTILS-2



LATERAL AND UTILITY LOCATION

N.T.S

<p>HEBER CITY STANDARD DRAWING UTILS-3</p>
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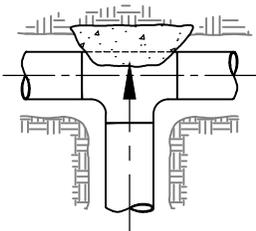


FIRE HYDRANTS

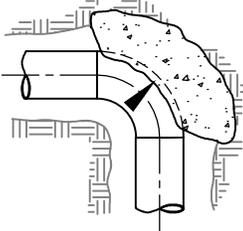
N.T.S

03/12

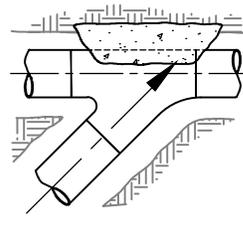
HEBER CITY
STANDARD DRAWING
WATER-1



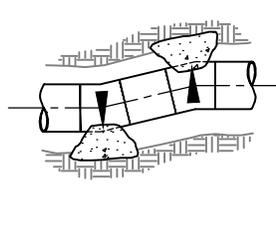
CONDITION 1



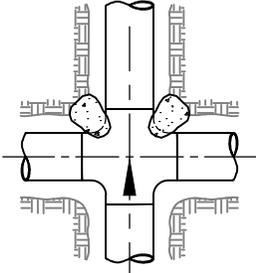
CONDITION 2



CONDITION 3

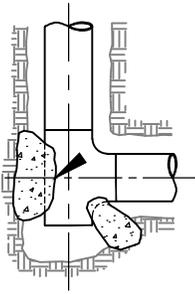


CONDITION 4

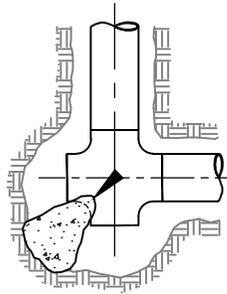


CONDITION 5

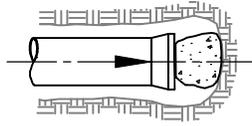
(@ ENGINEERS DISC)



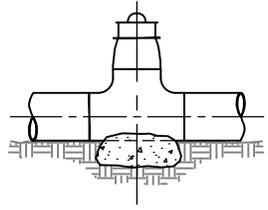
CONDITION 6



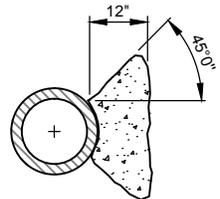
CONDITION 7



CONDITION 8



ANCHOR REQ'D. FOR VALVES 12" OR LARGER



TYPICAL SECTION THRU THRUST BLOCK

THRUST BLOCK BEARING AREA IN SQ. FT.								
PIPE SIZE	CONDITION							
	1	2	3	4	5	6	7	8
4	2.6	3.3	2.6	1.3	1.3	2.0	3.3	2.6
6	4.6	6.5	3.9	2.0	2.6	3.3	6.5	4.6
8	7.8	11.0	5.9	3.3	3.9	5.9	11.0	7.8
10	12.4	17.5	9.8	5.2	6.5	9.1	17.5	12.4
12	17.5	24.8	13.6	7.8	9.1	12.3	24.8	17.5
14	24.0	33.8	18.2	9.7	12.3	16.9	33.8	24.0
16	31.1	44.0	23.8	12.7	15.5	23.2	44.0	31.1
20	48.6	68.8	37.2	19.8	24.2	36.3	68.8	48.6
24	89.8	90.1	48.8	24.9				

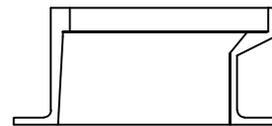
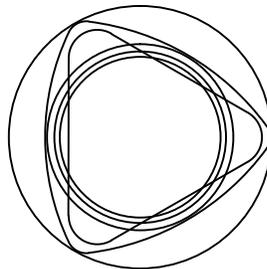
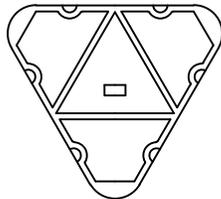
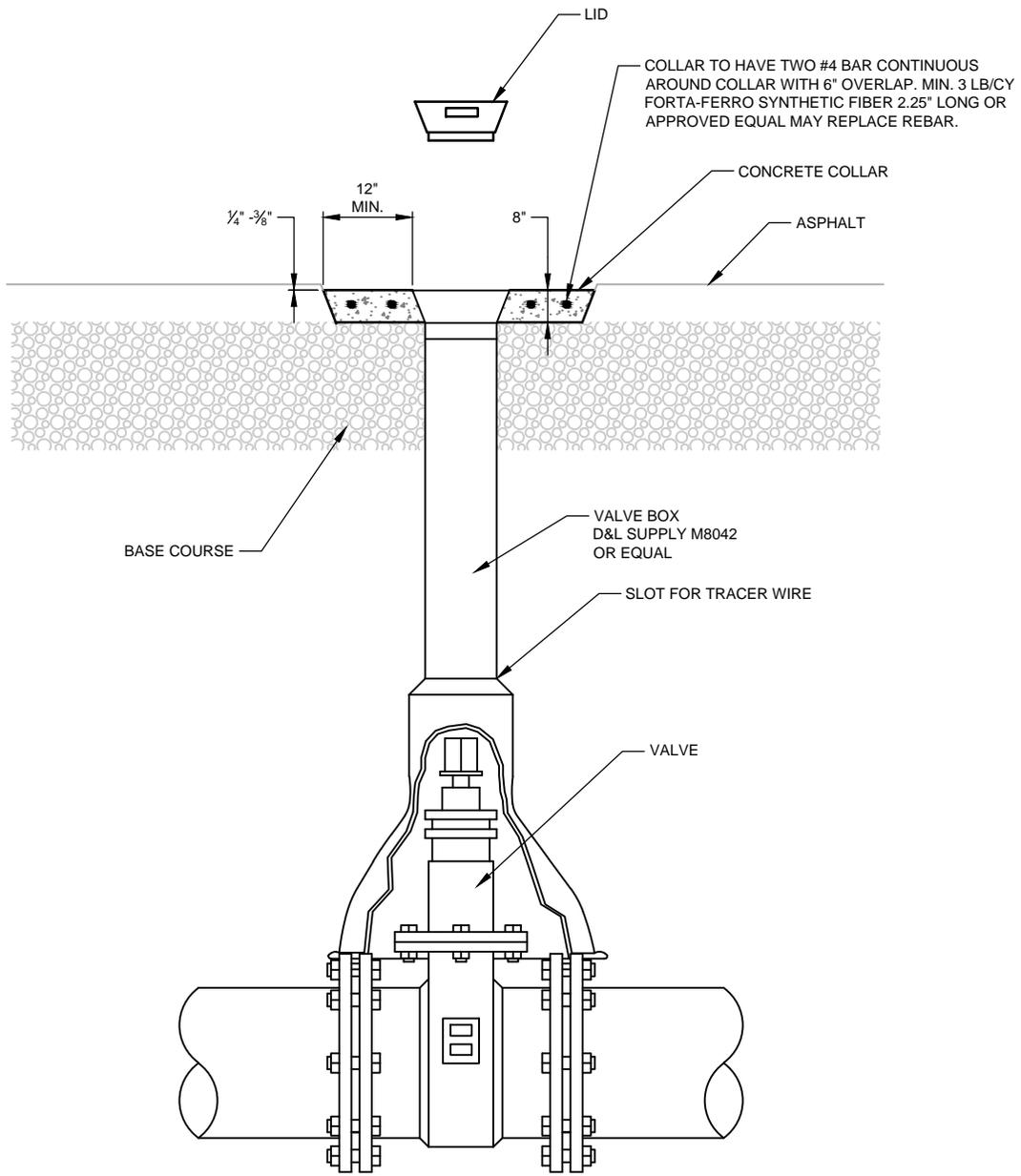
NOTES:

1. ALL THRUST BLOCK BEARING FACES SHALL BE POURED AGAINST UNDISTURBED SOIL OR APPROVED COMPACTED BACKFILL.
2. CONCRETE SHALL BE CLASS 6.0-B-3000.
3. ALL THRUST BLOCK SIDES SHALL BE FORMED.
4. CALCULATED ON 225 LB. TEST PRESSURE AND ALLOWABLE BEARING PRESSURE OF 200 LBS. PER SQUARE FEET.
5. IN POORER SOILS SPECIAL DESIGN IS REQUIRED.

TYPICAL PIPE THRUST BLOCKING

N.T.S

HEBER CITY
STANDARD DRAWING
WATER-2



NOTES:

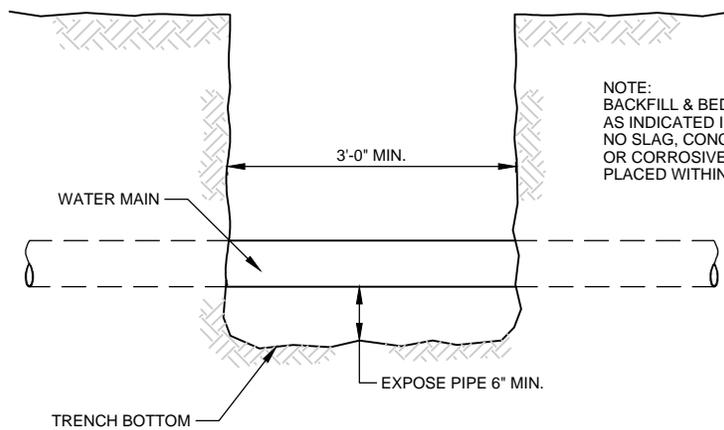
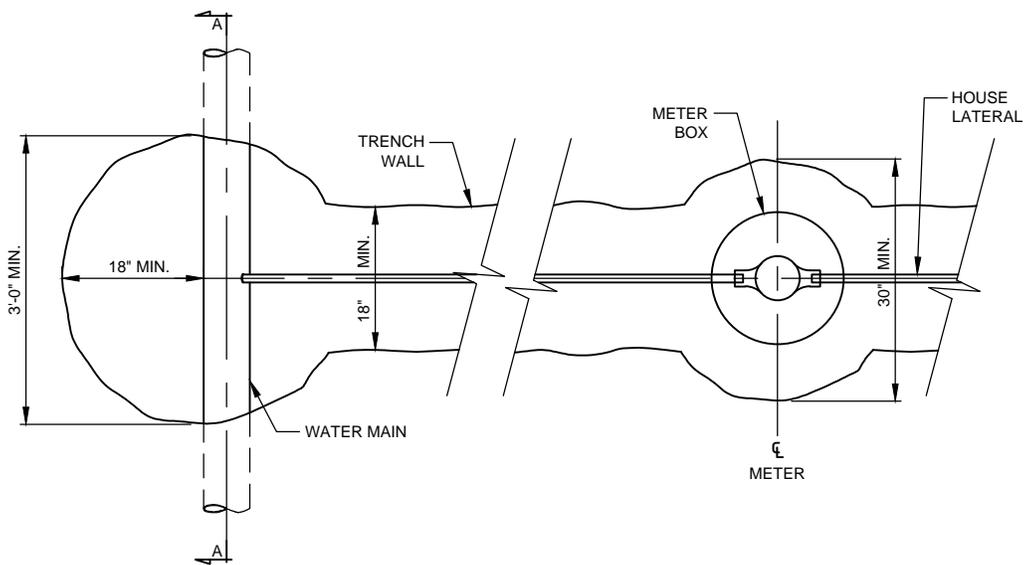
1. ALL IRRIGATION BOXES TO BE INSTALLED USING THE ABOVE LID. REF# M-9009
2. RAISE VALVE BOX TO GRADE AFTER PAVING OPERATIONS ARE COMPLETED.
3. GRIND SMALL SLOT FOR TRACER WIRE TO PASS THROUGH AT FLARE IN VALVE BOX.

VALVE BOXES & COLLARS

N.T.S

03/12

HEBER CITY
STANDARD DRAWING
WATER-3



NOTE:
 BACKFILL & BEDDING TO BE
 AS INDICATED IN DRAWING UTILS-1.
 NO SLAG, CONCRETE, ASPHALT,
 OR CORROSIVE MATERIAL TO BE
 PLACED WITHIN 3 FEET OF PIPE.

SECTION A-A

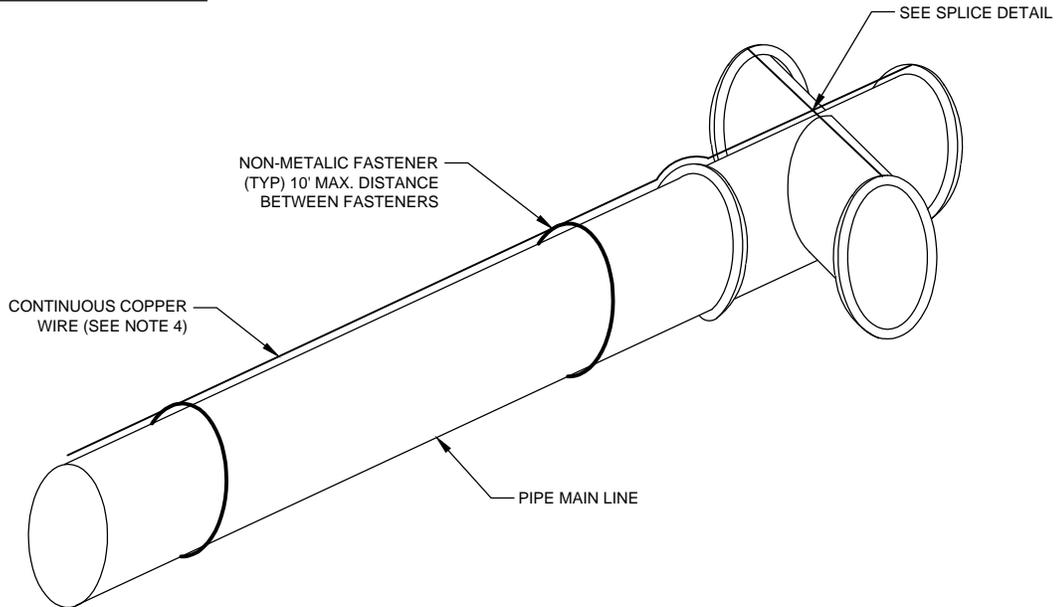
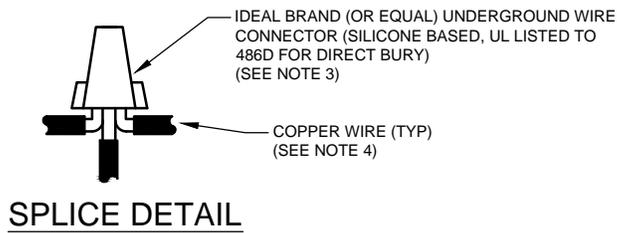
1" SERVICE CONNECTION TRENCH

N.T.S

03/12

HEBER CITY
 STANDARD DRAWING

WATER-4



NOTES:

1. COPPER TRACER WIRE TO BE INSTALLED THE LENGTH OF PIPELINE AND EACH CULINARY SERVICE, AND SECONDARY SERVICE, ALONG EACH PRESSURIZED IRRIGATION PIPELINE AND SERVICE. TRACER WIRE TO BE BROUGHT UP IN AT LEAST ONE VALVE IN EACH INTERSECTION. TRACER WIRE TO BE BROUGHT TO THE END OF EACH FIRE HYDRANT ON CULINARY LINES. (NOT TO EXCEED 500 FEET).
2. TRACER WIRE TO BE INSTALLED AND MAINTAINED ON TOP OF PIPE CENTERLINE DURING BACKFILL.
3. TWO, THREE AND FOUR WIRE CONNECTIONS: STRIP WIRE ENDS, INSTALL IDEAL UNDERGROUND WIRE CONNECTOR, AND WRAP WITH THREE LAYERS OF SCOTCH 33 OR EQUAL, ELECTRICAL TAPE. OVERLAP THE TAPE WRAPPING, 6" ONTO THE WIRE INSULATION.
4. COPPER WIRE SHALL BE #12 AWG SOLID UF TYPE WITH CROSS-LINKED POLYETHYLENE INSULATION.
5. CONTRACTOR SHALL TEST TRACER WIRE FOR CONTINUITY PRIOR TO PAVING IN THE PRESENCE OF THE ENGINEER.
6. THE TEE/CROSS IS SHOWN WITHOUT VALVES AND IS INTENDED TO SHOW TRACER WIRE ROUTING ONLY.

TRACER WIRE INSTALLATION

N.T.S

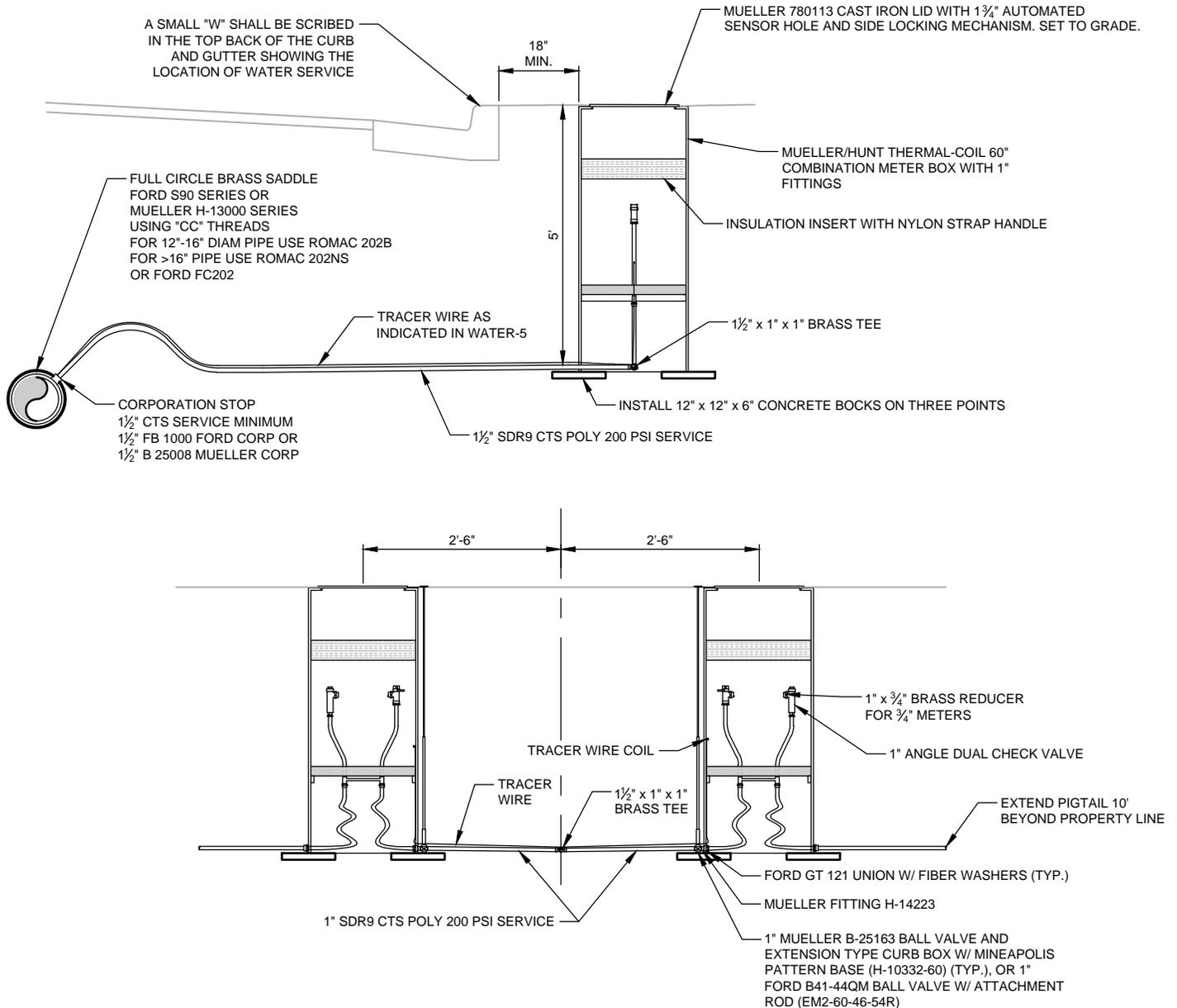
03/12

HEBER CITY
STANDARD DRAWING
WATER-5

TABLE 1					
SERVICE LINE SIZE	MINIMUM METER BOX SIZE	BOX MODEL	LID / FRAME MODEL	COMMENTS	INSULATION INSERTS
1" MINIMUM	18" x 60"	330CS1860FSBS	780113 / 700098	NEW SERVICES	790153
1 1/2"	24" x 60"	500VB2460FBB	780113 / 700098	" "	790325
2"	27" x 60"	550VB2760FBB	780113 / 700098	" "	790327

NOTE 1: FOR LARGER SIZES CONTACT PUBLIC WORKS FOR REQUIREMENTS

NOTE 2: SERVICE LINE SIZE ON TWO-LOT CONNECTION MEASURED FROM TEE TO BALL VALVE



NOTES:

- METER BOX, COVER, COPPER SETTER, CORPORATION STOP, & SERVICE LINES TO BE FURNISHED AND INSTALLED BY DEVELOPER AND CONFORM TO AWWA C800.
- STAINLESS STEEL STIFFENERS ON ALL POLY CONNECTIONS.
- BOXES ARE PROHIBITED IN DRIVEWAYS FOR 1 1/2" AND LARGER.
- WATER METER WILL BE INSTALLED BY HEBER CITY.
- SEE UTILS-3 FOR PLAN VIEW.
- WATER METER CAN TO BE LOCATED IN THE MIDDLE OF THE PLANTER STRIP OR BETWEEN SIDEWALK AND PROPERTY LINE (FOR COMBINATION SIDEWALK) OR AS DIRECTED BY ENGINEER.
- WATER SERVICE SHOULD CONNECT DIRECTLY TO THE MAIN LINE AND NOT "TEE" OFF FIRE HYDRANT LINE OR SERVICE LINES.

03/12

WATER SERVICE – TWO LOTS

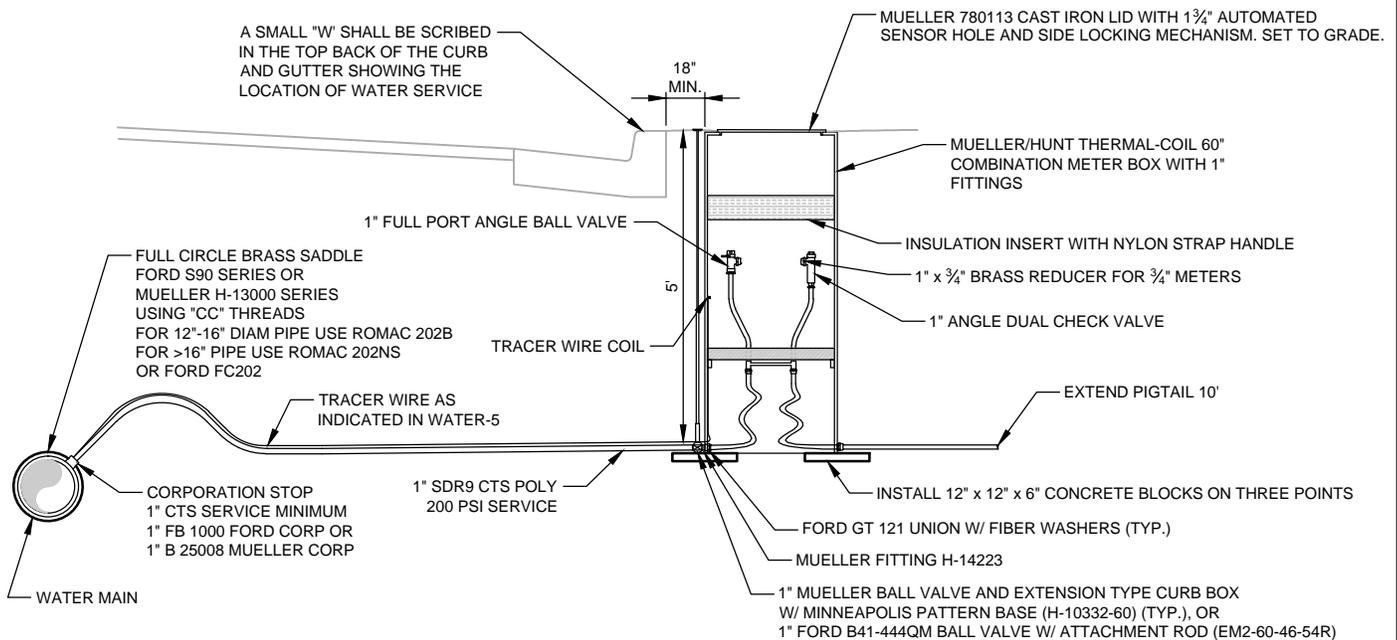
N.T.S

HEBER CITY
STANDARD DRAWING
WATER-6A

TABLE 1					
SERVICE LINE SIZE	MINIMUM METER BOX SIZE	BOX MODEL	LID / FRAME MODEL	COMMENTS	INSULATION INSERTS
1" MINIMUM	18" x 60"	330CS1860FSBS	780113 / 700098	NEW SERVICES	790153
1 1/2"	24" x 60"	500VB2460FBB	780113 / 700098	" "	790325
2"	27" x 60"	550VB2760FBB	780113 / 700098	" "	790327

NOTE 1: FOR LARGER SIZES CONTACT PUBLIC WORKS FOR REQUIREMENTS

NOTE 2: SERVICE LINE SIZE ON TWO-LOT CONNECTION MEASURED FROM TEE TO BALL VALVE



NOTES:

- METER BOX, COVER, COPPER SETTER, CORPORATION STOP, & SERVICE LINES TO BE FURNISHED AND INSTALLED BY DEVELOPER AND CONFORM TO AWWA C800.
- STAINLESS STEEL STIFFENERS ON ALL POLY CONNECTIONS.
- WATER METER WILL BE INSTALLED BY HEBER CITY.
- WATER METER CAN TO BE LOCATED IN THE MIDDLE OF THE PLANTER STRIP OR BETWEEN SIDEWALK AND PROPERTY LINE (FOR COMBINATION SIDEWALK) OR AS DIRECTED BY ENGINEER.
- WATER SERVICE SHOULD CONNECT DIRECTLY TO THE MAIN LINE AND NOT "TEE" OFF FIRE HYDRANT LINE OR SERVICE LINES.

03/12

WATER SERVICE – SINGLE LOT

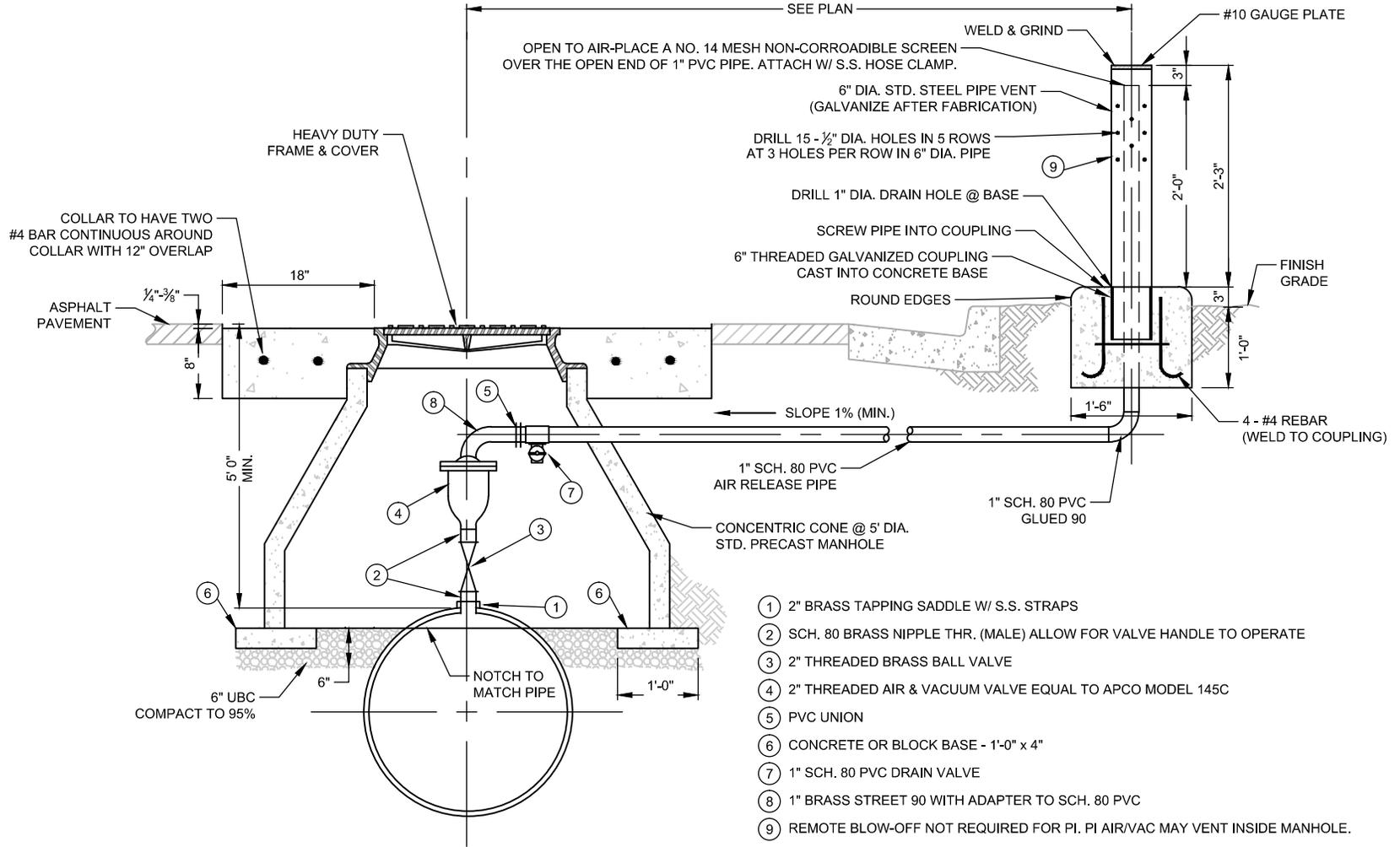
N.T.S

HEBER CITY
STANDARD DRAWING
WATER-6B

AIR/VAC RELEASE STATION

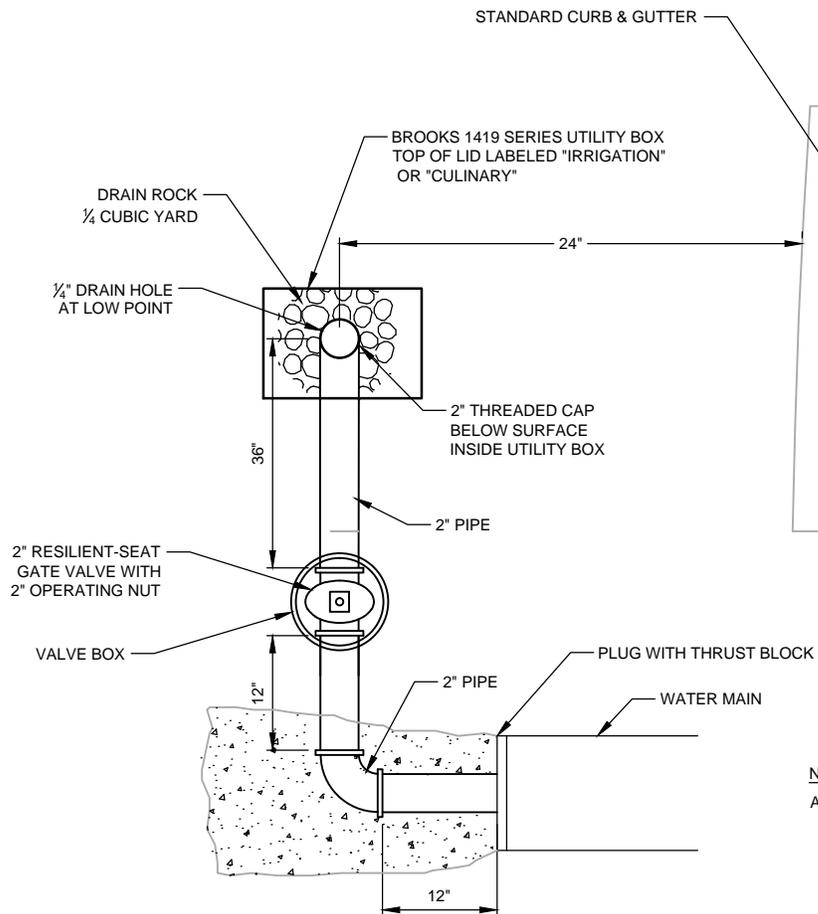
N.T.S

NOTE: PLEASE SEE SECTION 2668 FOR PLACEMENT LOCATION.



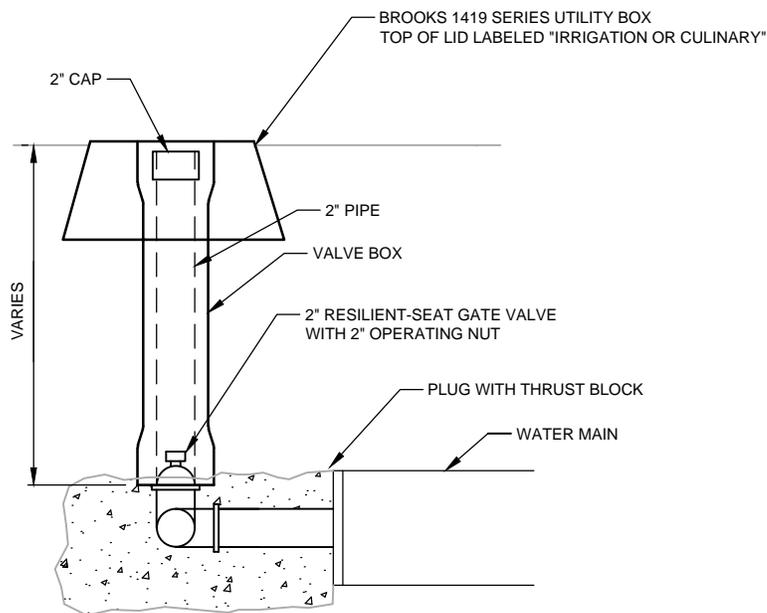
HEBER CITY
STANDARD DRAWING
WATER-7

03/12



NOTE:
ALL PIPE TO BE GALVANIZED AFTER FABRICATION

PLAN VIEW



PROFILE

BLOWOFF / FLUSH VALVE
N.T.S

03/12

HEBER CITY
STANDARD DRAWING
WATER-8