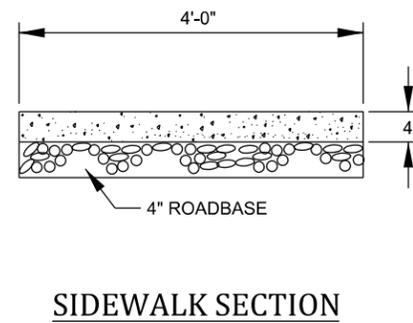
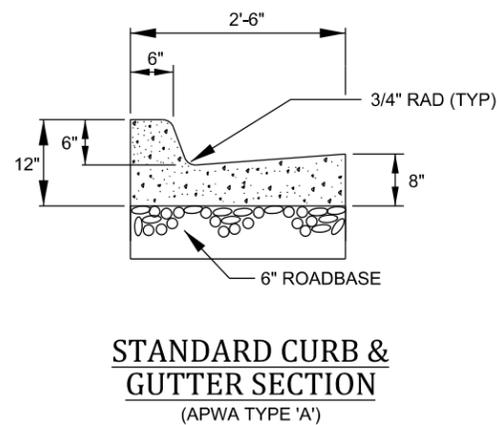
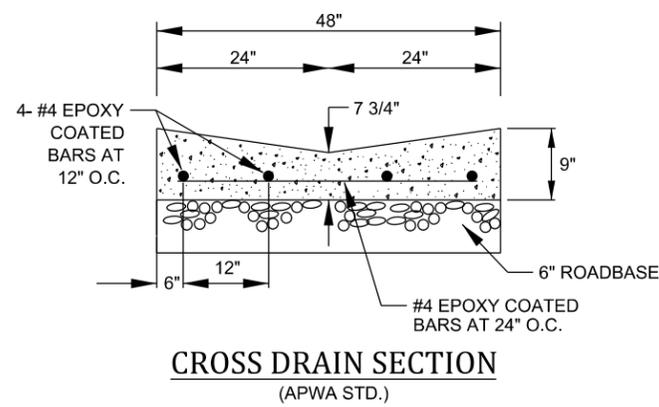


STREET DESIGNATION	(A)	(B)	(C)
MINOR	50'	32'	27'
MINOR COLLECTOR	60'	42'	37'
MAJOR COLLECTOR	66'	48'	43'
MINOR ARTERIAL	80'	62'	57'

STANDARD ROADWAY SECTION

NTS

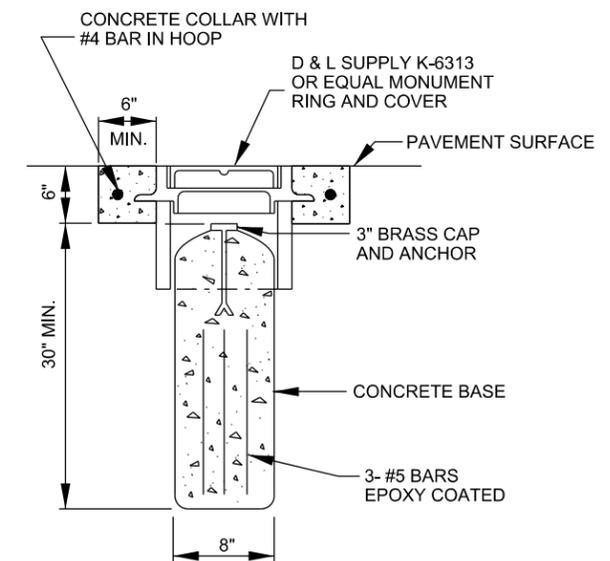
NOTE: THIS SECTION IS THE MINIMUM STRUCTURAL SECTION ALLOWED IN THE CITY UNLESS FIELD TESTS ARE MADE AND ANOTHER SECTION IS RECOMMENDED BY A QUALIFIED SOILS ENGINEER AND ACCEPTED BY THE CITY ENGINEER. SECTION MAY BE INCREASED DUE TO SOIL CONDITIONS OR TRAFFIC LOADS.



CONCRETE DETAILS

NTS

- CONCRETE NOTES:
- SIDEWALK CONCRETE AND ROADBASE TO EACH BE 6" THICK WHERE ADJACENT TO DRIVE APPROACH
 - MINIMUM SLOPE OF CURB & GUTTER, WATERWAYS, AND STREETS IS 0.3%
 - REBAR TO BE COVERED BY CONCRETE A MINIMUM OF 3"



REVISION	DATE	BY	DESCRIPTION	DESIGN
				DRAWN <i>PRB</i>
				CHECKED <i>PAO</i>
				DATE <i>MAY 2016</i>
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				P.G. NO.

**STREET CROSS SECTION,
CURB & GUTTER, SIDEWALK,
SURVEY MONUMENT**

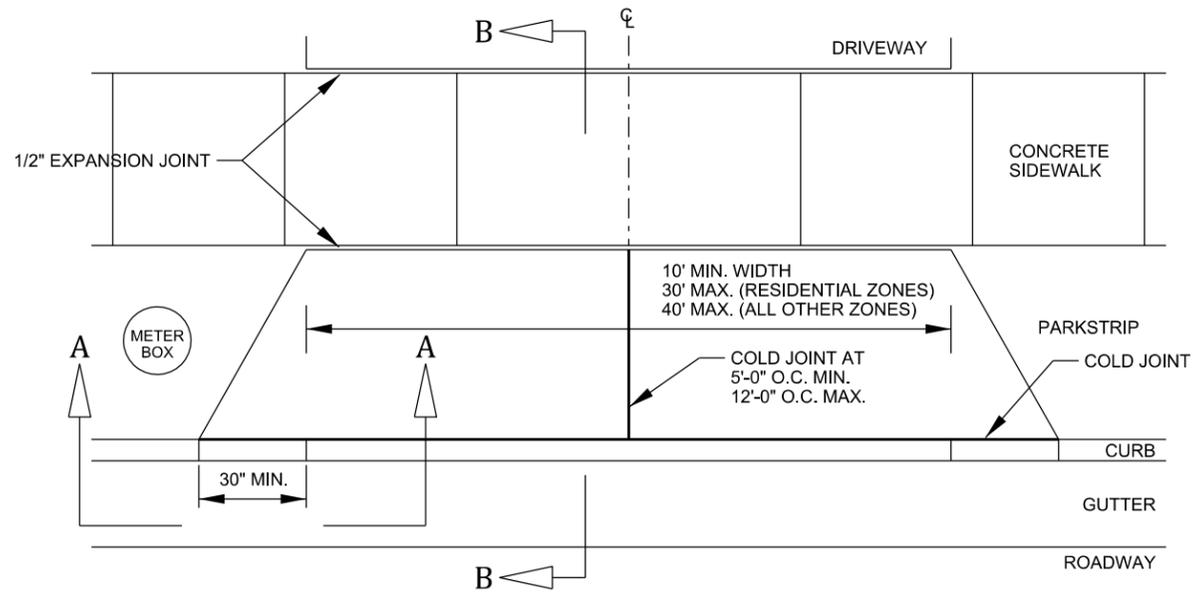
**NORTH SALT LAKE
STANDARD DRAWINGS**



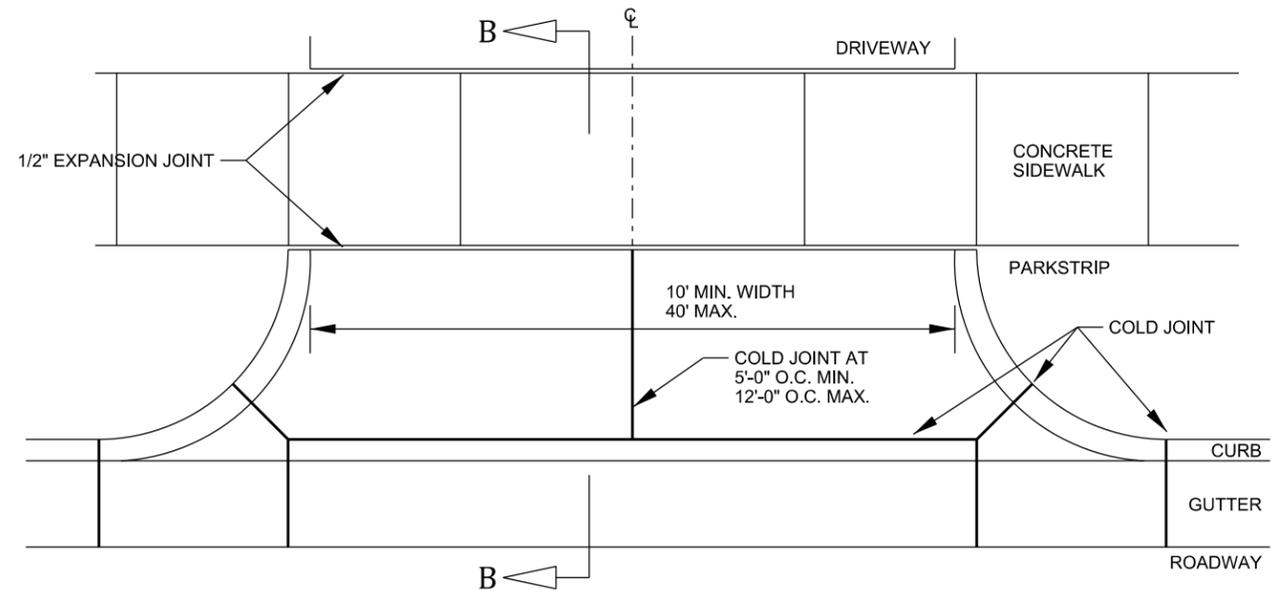
CITY OF NORTH SALT LAKE
10 East Center Street
North Salt Lake, Utah 84054
(801) 335-8700

LEONARD K ARAVE
Mayor
BARRY EDWARDS
City Manager

SHEET 1
OF 15
**REVISED
MAY 2016**



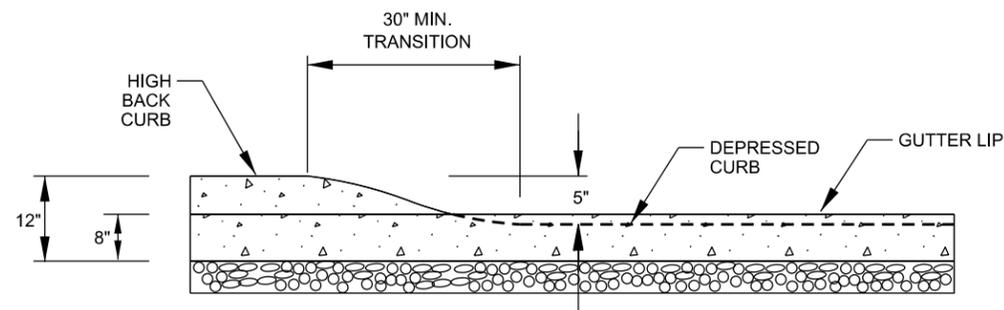
FLARE DRIVE APPROACH PLAN
STANDARD LAYOUT NTS



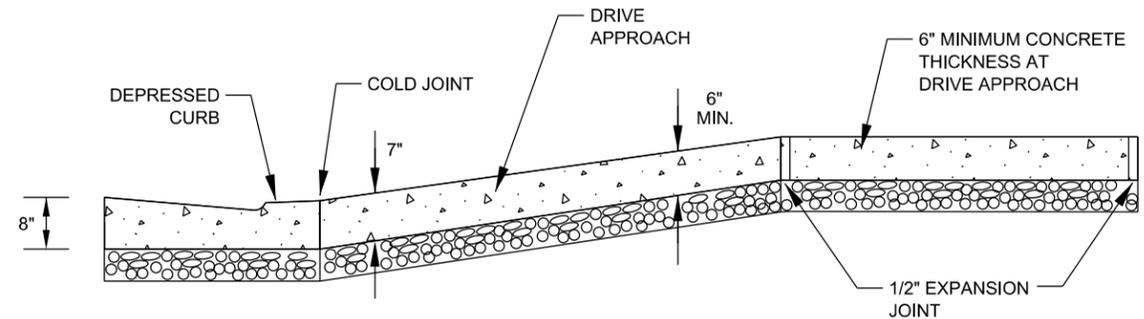
OPEN DRIVE APPROACH PLAN
ALTERNATE LAYOUT FOR USE IN
COMMERCIAL AND INDUSTRIAL
ZONES WITH PRIOR APPROVAL NTS

DRIVE APPROACH NOTES:

1. MINIMUM CONCRETE THICKNESS IS 6" IN APPROACH AND ADJACENT SIDEWALK
2. MINIMUM ROADBASE THICKNESS IS 6" IN APPROACH AND ADJACENT SIDEWALK
3. MINIMUM CONCRETE THICKNESS IS 8" IN ALL COMMERCIAL AND INDUSTRIAL ZONES
4. INSTALL EPOXY-COATED #4 BARS AT 12" O.C. (BOTH WAYS) IN ALL APPROACHES IN COMMERCIAL AND INDUSTRIAL ZONES
5. MAXIMUM APPROACH WIDTH CANNOT BE INCREASED EXCEPT AS ESTABLISHED BY CONDITIONAL USE PERMIT
6. WATER METER BOXES SHALL NOT BE PLACED IN NEW CONCRETE APPROACH AND SHALL NOT REMAIN IN CONCRETE IF APPROACH IS REPLACED. RELOCATIONS AT PROPERTY OWNER'S EXPENSE



SECTION A-A



SECTION B-B

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				DATE MAY 2016
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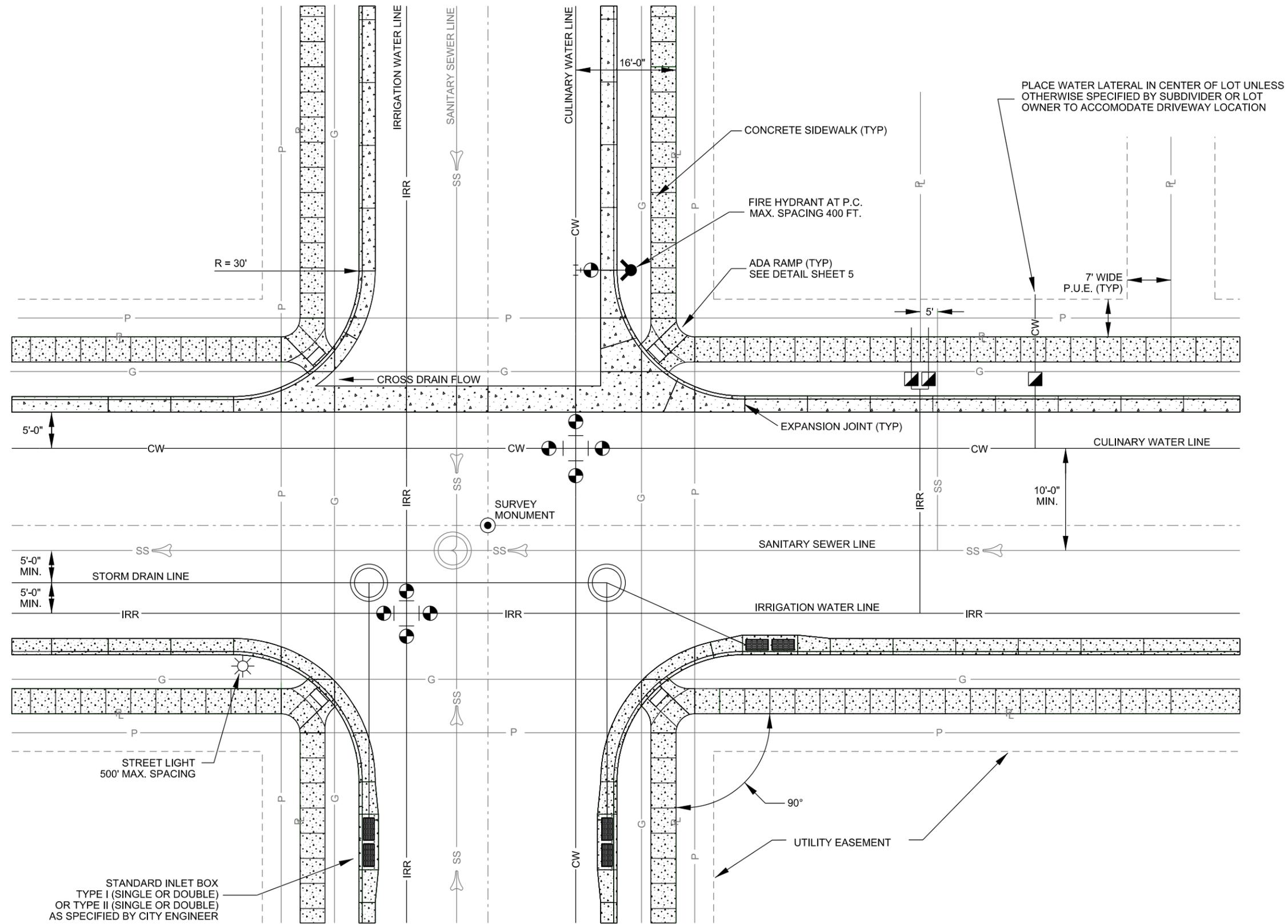
DRIVE APPROACHES

**NORTH SALT LAKE
STANDARD DRAWINGS**



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TYPICAL RESIDENTIAL INTERSECTION WITH UTILITY LOCATIONS

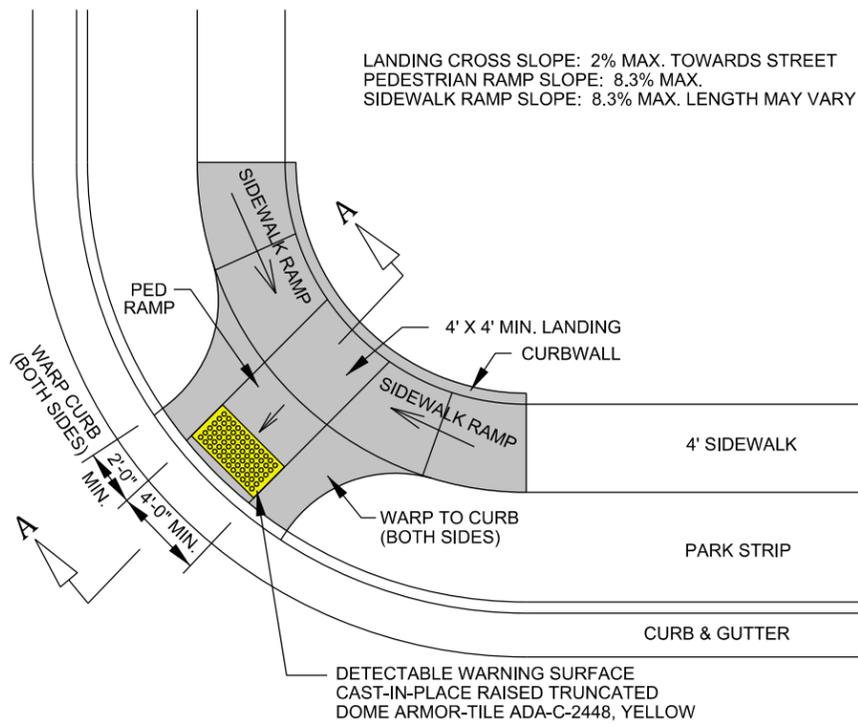
NORTH SALT LAKE STANDARD DRAWINGS



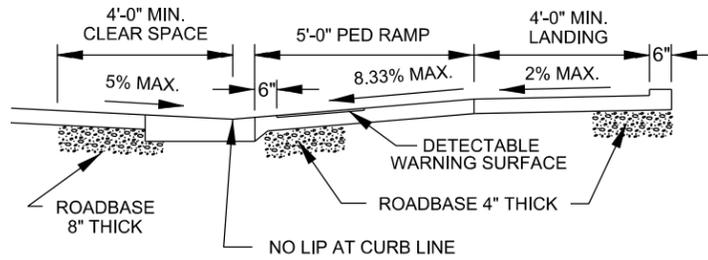
CITY OF NORTH SALT LAKE
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 North Salt Lake, Utah 84054
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LEONARD K ARAVE
 Mayor

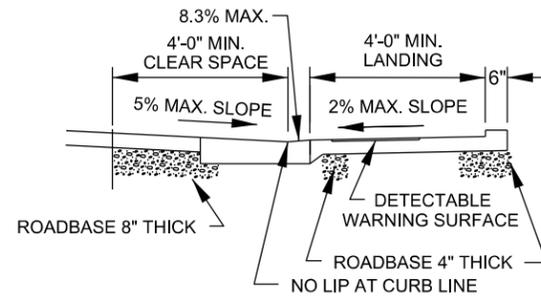
BARRY EDWARDS
 City Manager



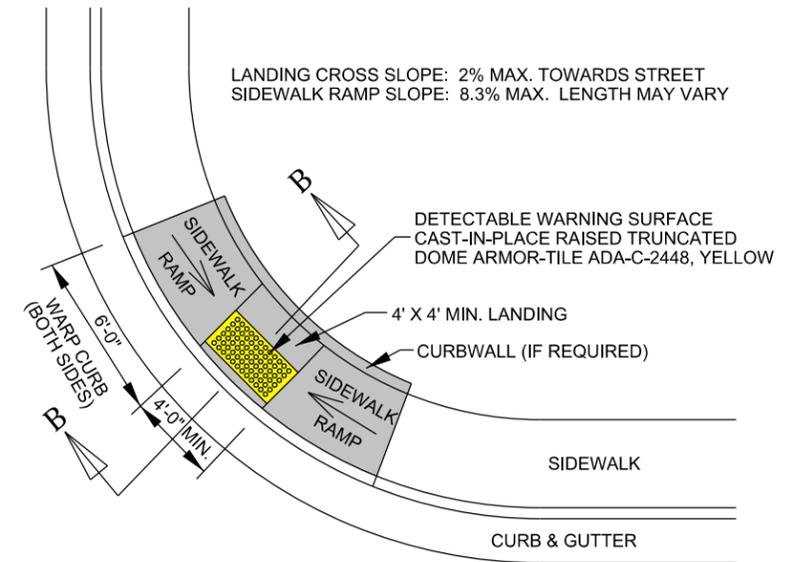
TYPE 1 PEDESTRIAN RAMP



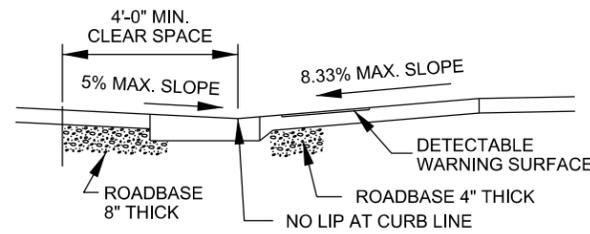
SECTION A-A



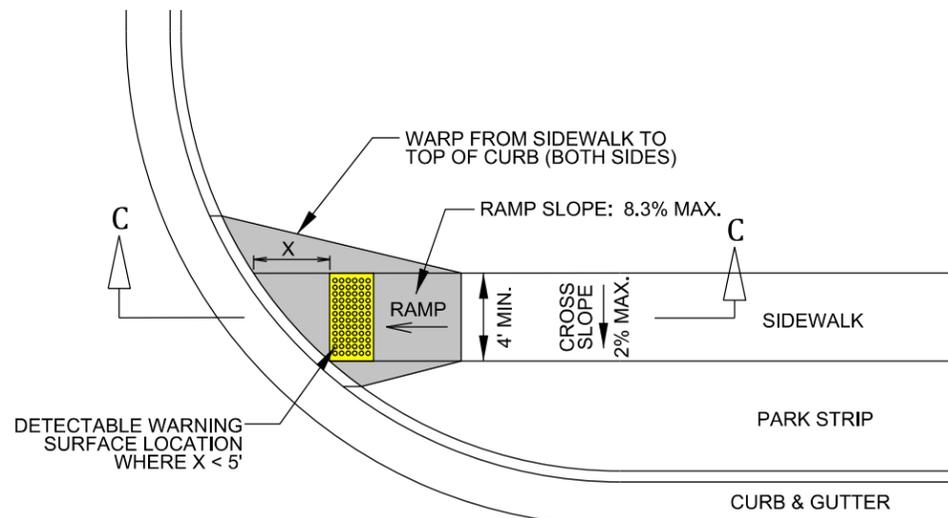
SECTION B-B



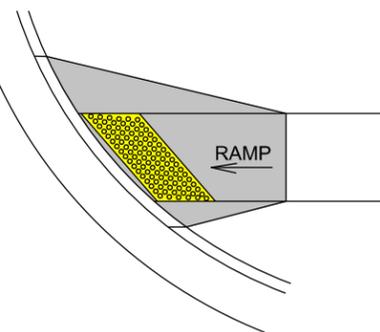
TYPE 1A PEDESTRIAN RAMP



SECTION C-C



TYPE 2 PEDESTRIAN RAMP



REQUIRED DETECTABLE WARNING SURFACE LOCATION WHERE X > 5' FOR TYPE 2 & 2A

TYPE 2A PEDESTRIAN RAMP

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TYPICAL ADA RAMPS

**NORTH SALT LAKE
 STANDARD DRAWINGS**



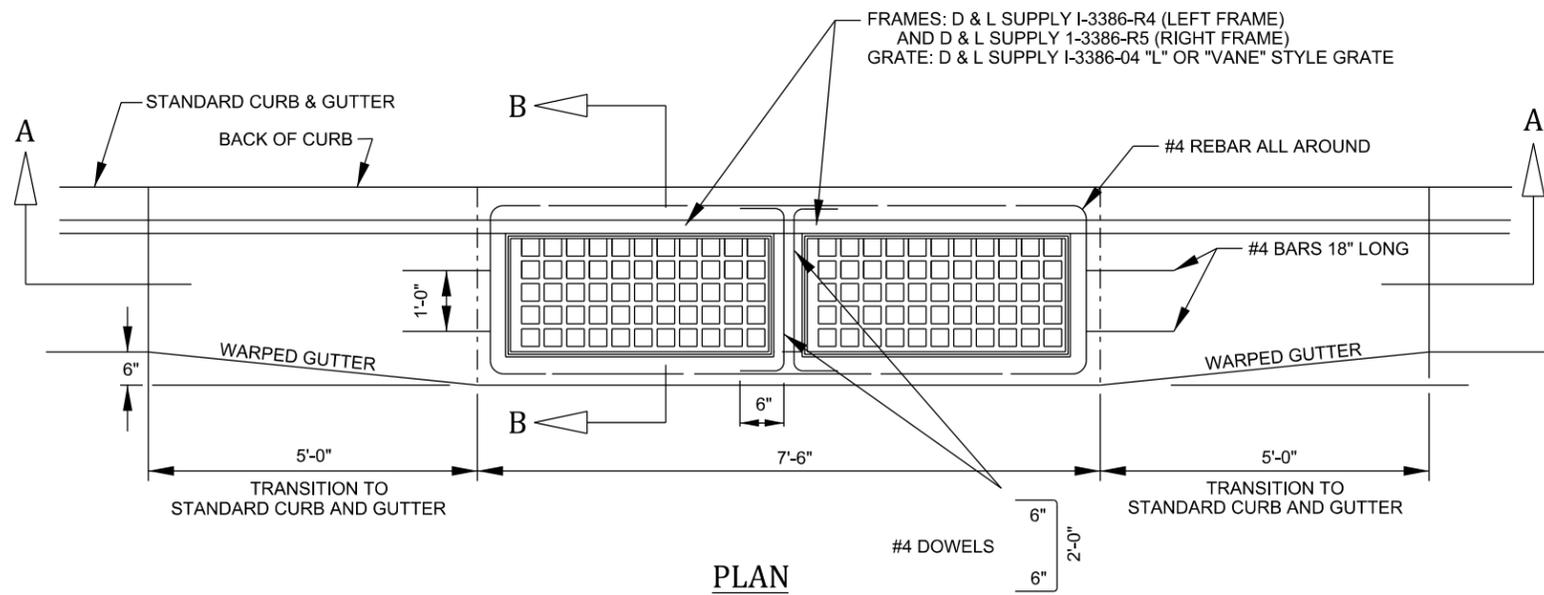
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LEONARD K ARAVE
 Mayor

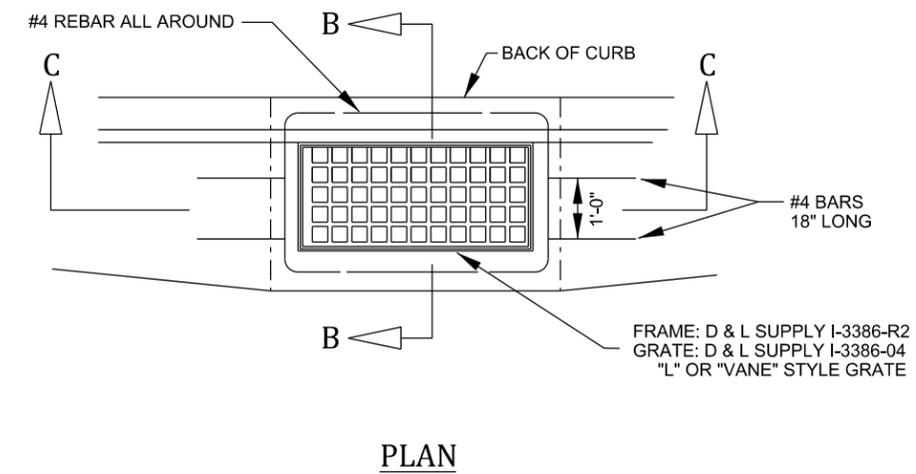
BARRY EDWARDS
 City Manager

SHEET 5
 OF 15

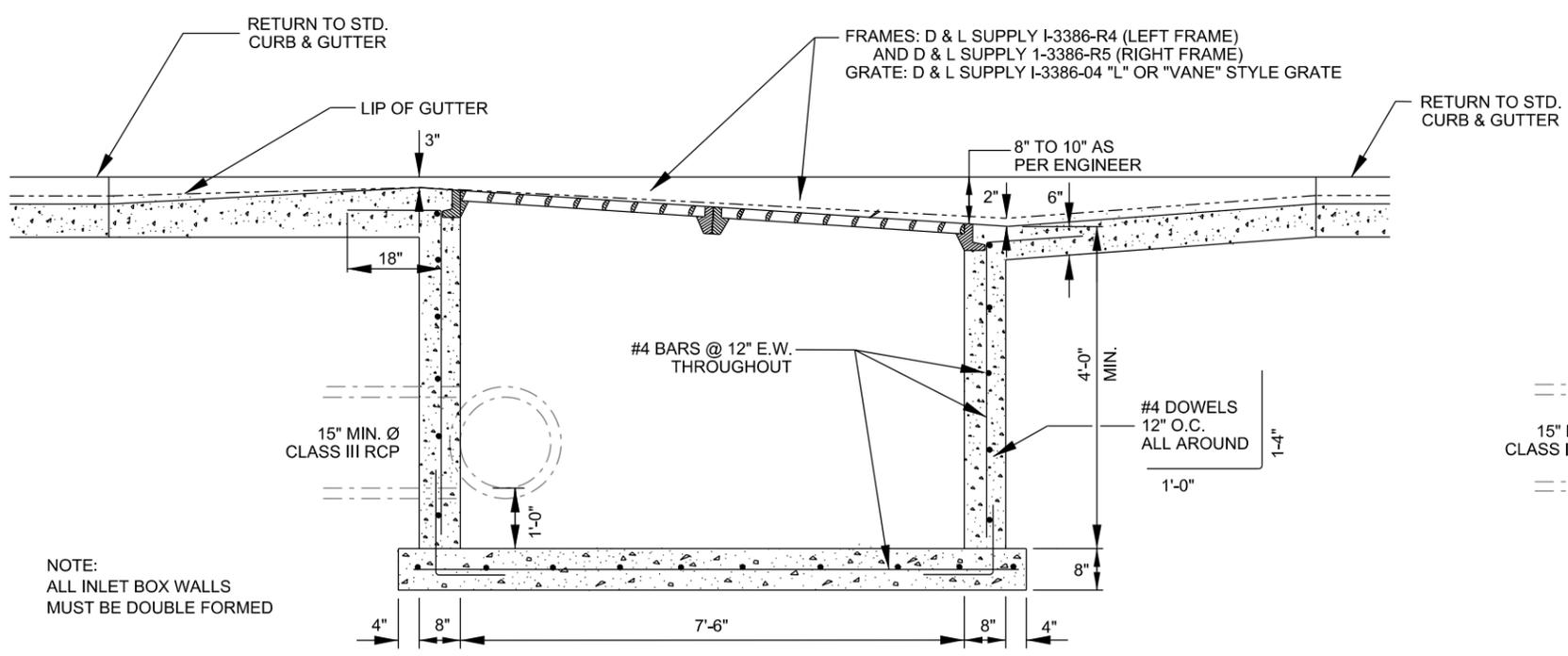
**REVISED
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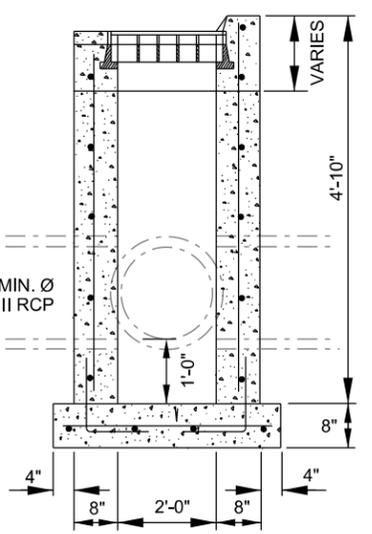
INLET BOX - TYPE I DOUBLE
NTS



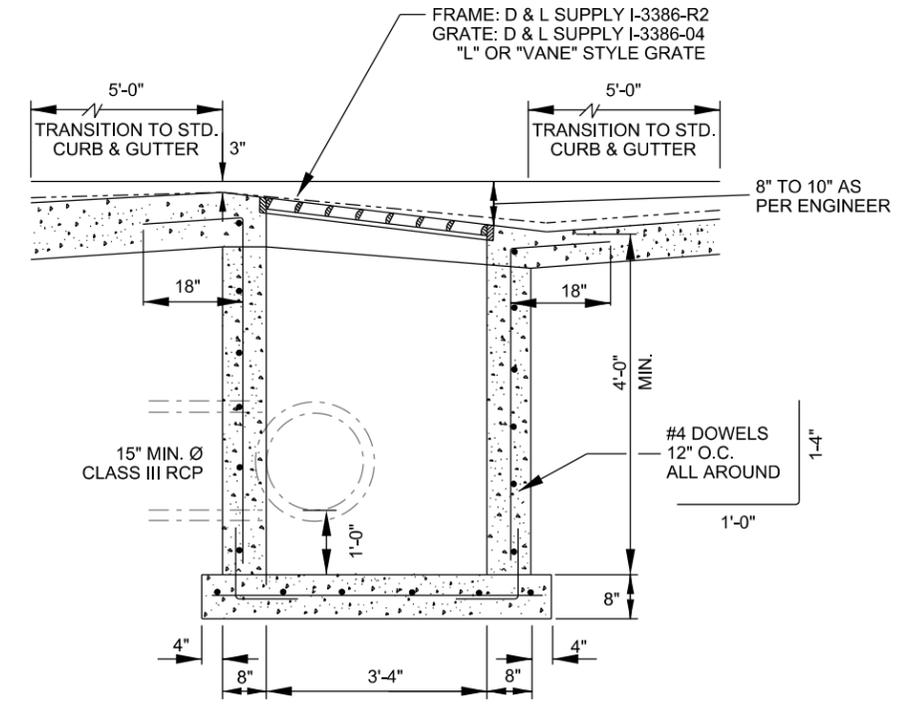
INLET BOX - TYPE I SINGLE
NTS



SECTION A-A



SECTION B-B



SECTION C-C

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**CAST-IN-PLACE
STORM DRAIN INLET BOXES
IN SLOPED STREET**

**NORTH SALT LAKE
STANDARD DRAWINGS**



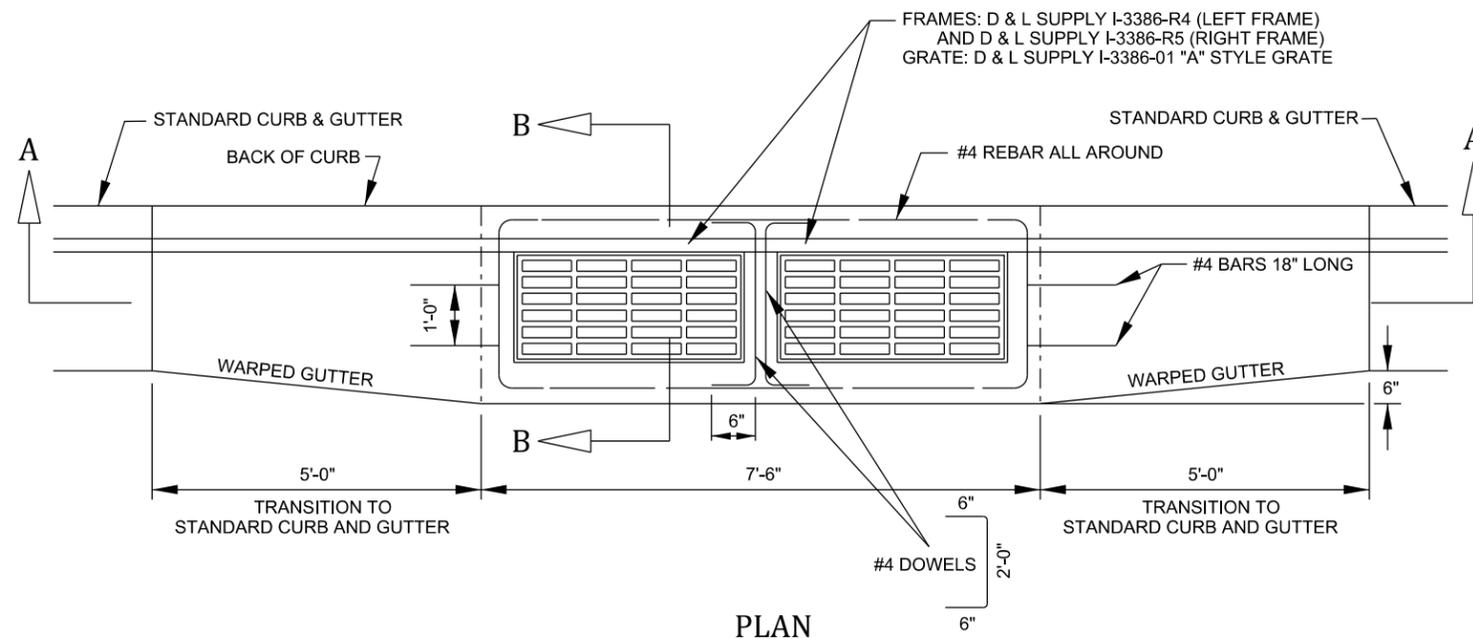
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LEONARD K ARAVE
Mayor

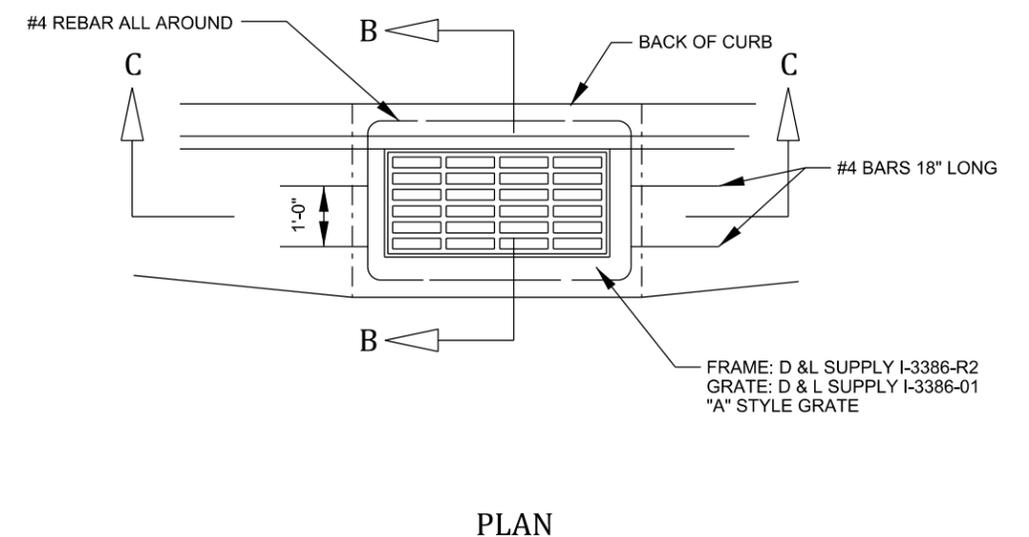
BARRY EDWARDS
City Manager

SHEET 6
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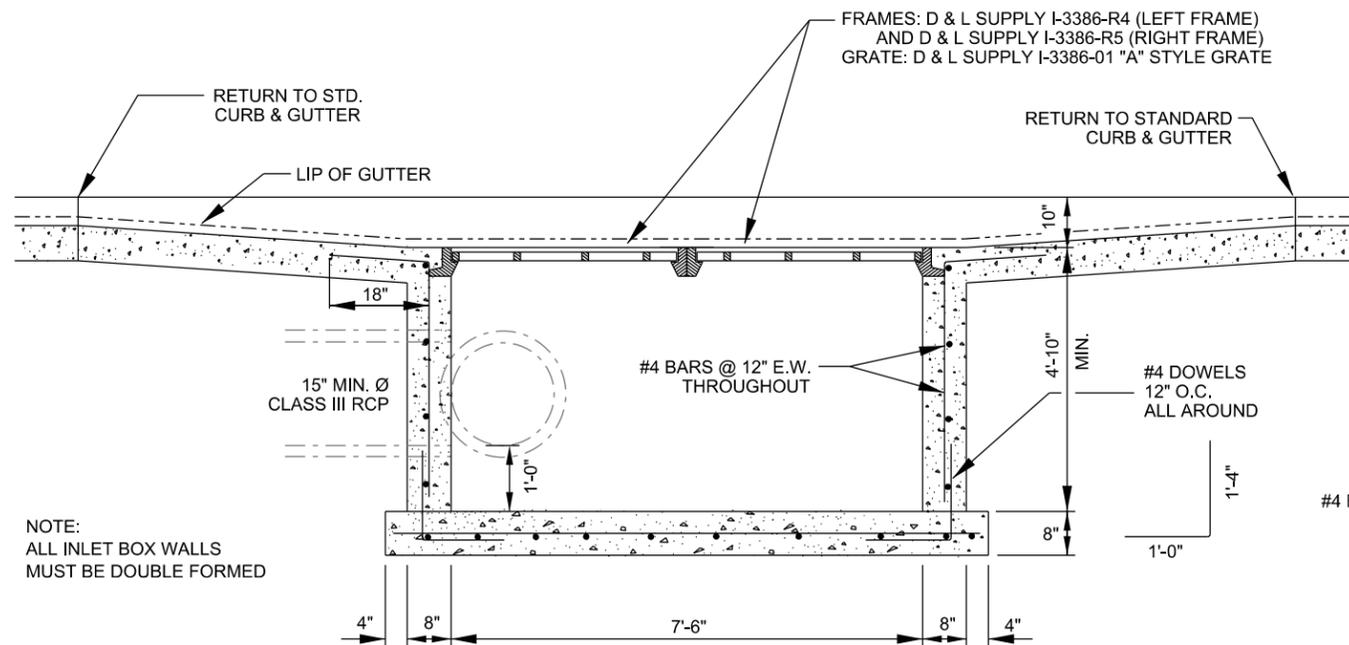
**REVISED
MAY 2016**



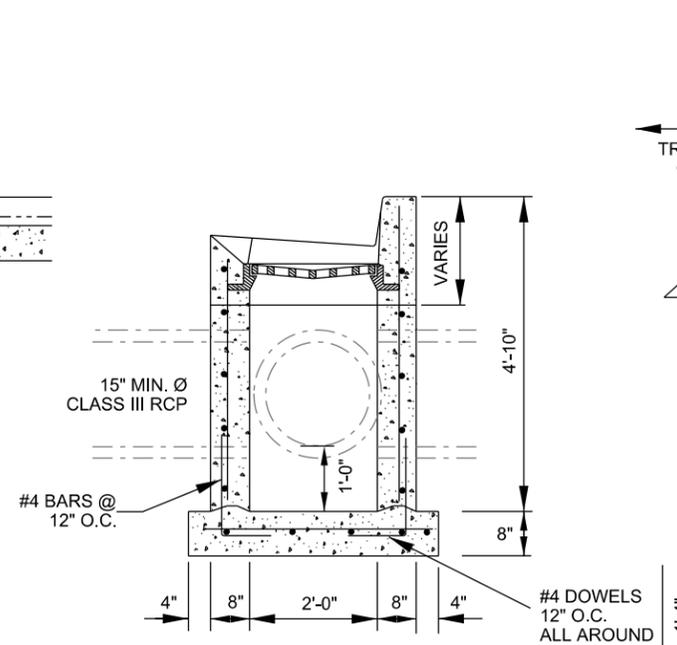
PLAN
INLET BOX - TYPE II DOUBLE
 NTS



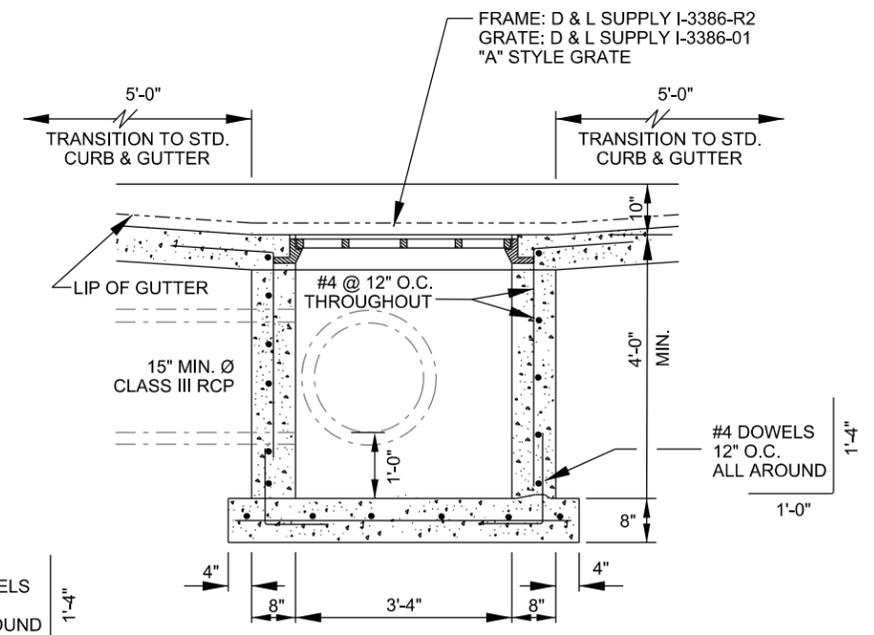
PLAN
INLET BOX - TYPE II SINGLE
 NTS



SECTION A-A



SECTION B-B



SECTION C-C

NOTE:
 ALL INLET BOX WALLS
 MUST BE DOUBLE FORMED

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				F.G. NO.

**CAST-IN-PLACE
 STORM DRAIN INLET BOXES
 IN LOW POINTS**

**NORTH SALT LAKE
 STANDARD DRAWINGS**

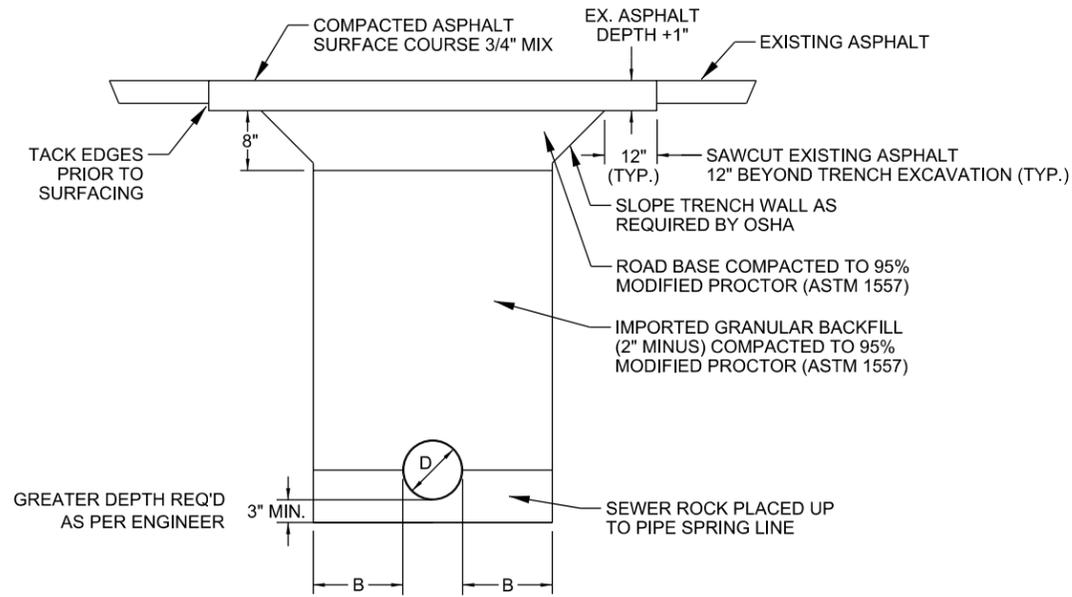


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BARRY EDWARDS
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SHEET 7
 OF 15
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 MAY 2016**

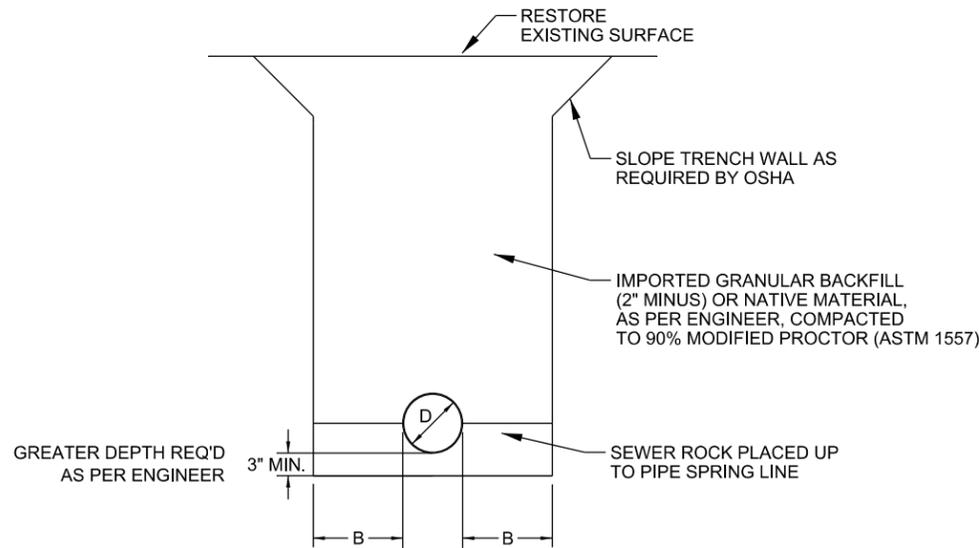
TRENCH - PIPE CLEARANCE	
D	B
18" OR SMALLER	9"
21" TO 27"	10"
30" TO 48"	12"
54" OR LARGER	15"



STORM DRAIN TRENCH WITHIN CITY STREET RIGHT-OF-WAY

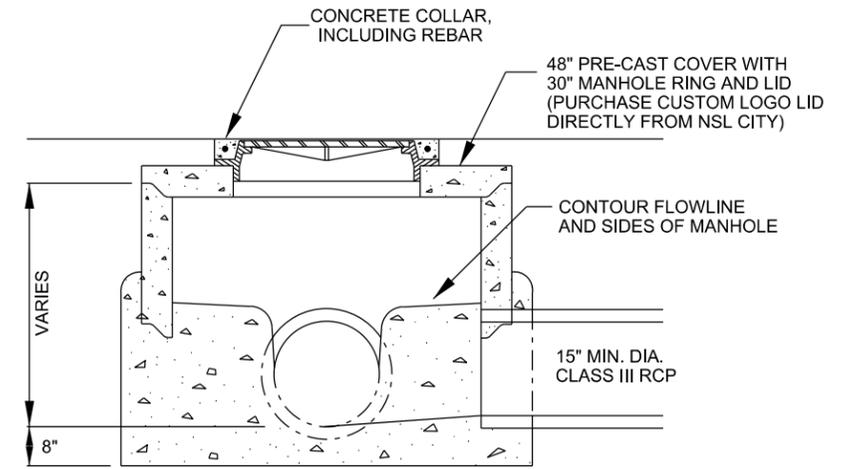
NTS

TRENCH - PIPE CLEARANCE	
D	B
18" OR SMALLER	9"
21" TO 27"	10"
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54" OR LARGER	15"

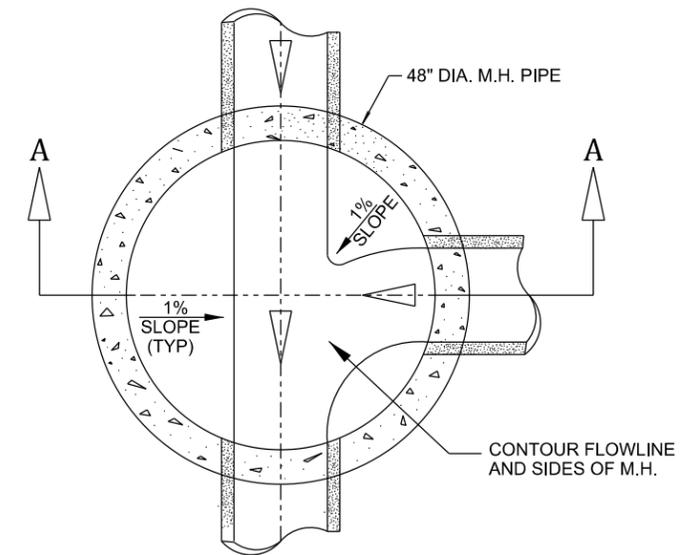


STORM DRAIN TRENCH OUTSIDE CITY STREET RIGHT-OF-WAY

NTS



SECTION A-A



PLAN

JUNCTION BOX

NTS

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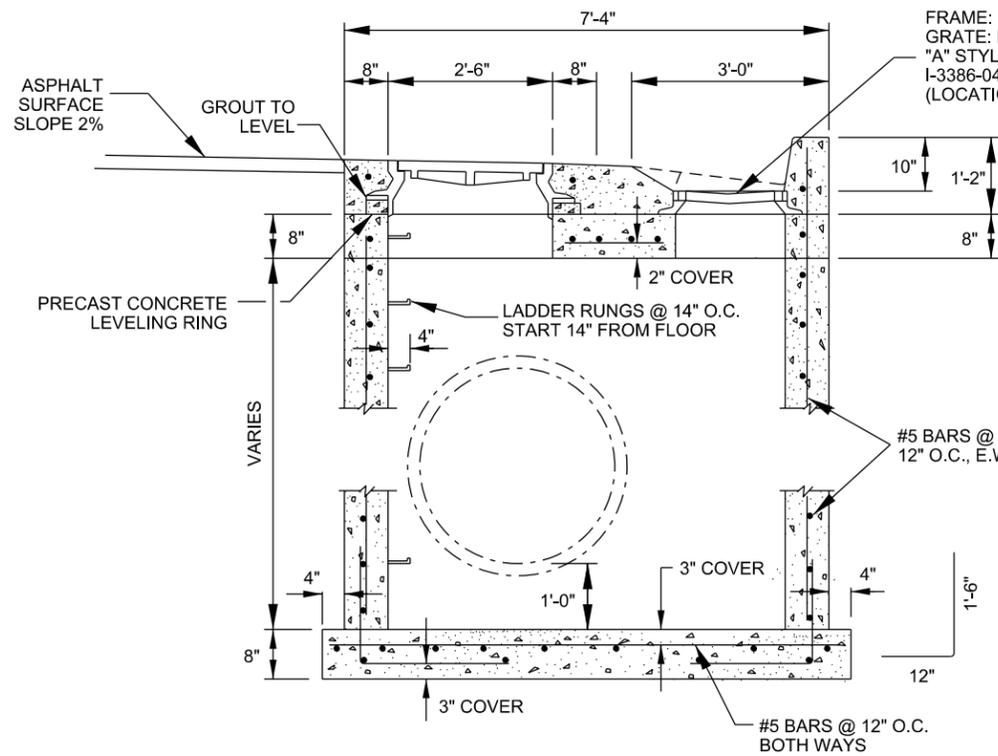
STORM DRAIN
TRENCH SECTIONS AND
JUNCTION BOX

NORTH SALT LAKE
STANDARD DRAWINGS



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BARRY EDWARDS
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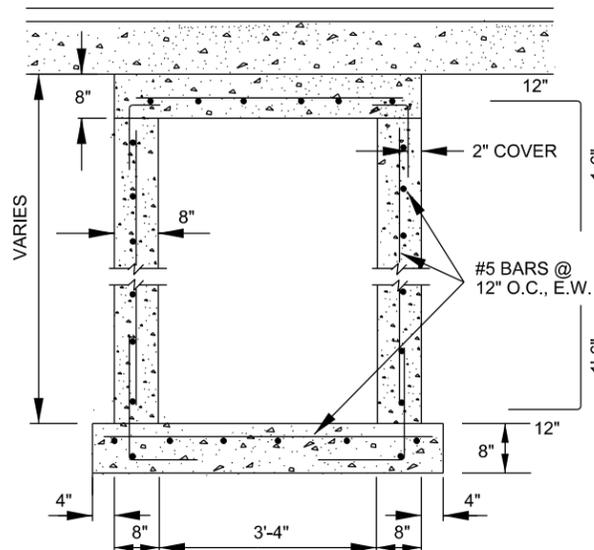
SHEET 8
OF 15
REVISED
MAY 2016



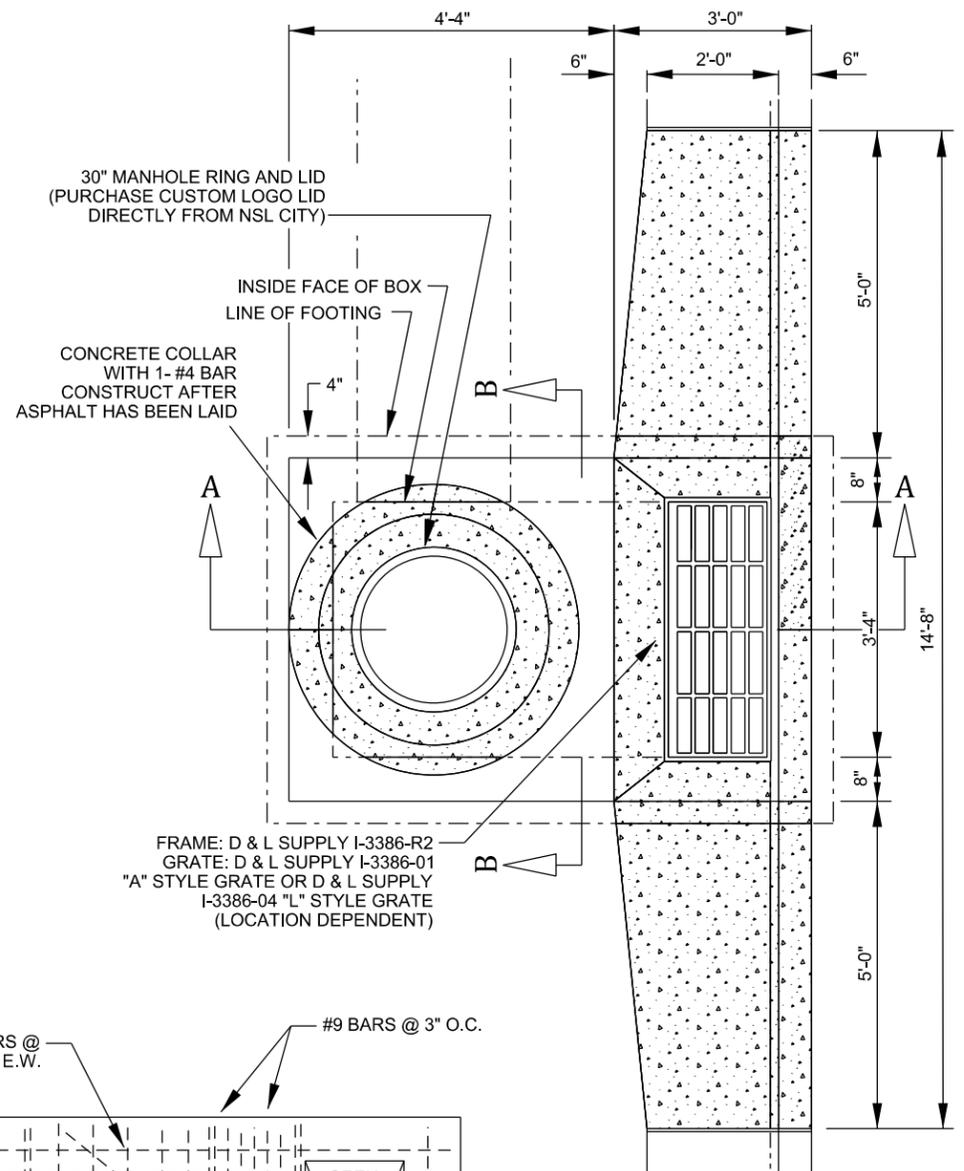
SECTION A-A

FRAME: D & L SUPPLY I-3386-R2
 GRATE: D & L SUPPLY I-3386-01
 "A" STYLE GRATE OR D & L SUPPLY
 I-3386-04 "L" STYLE GRATE
 (LOCATION DEPENDENT)

NOTE:
 PRE-CAST BOXES MUST
 MEET H-20 LOADING REQUIREMENTS

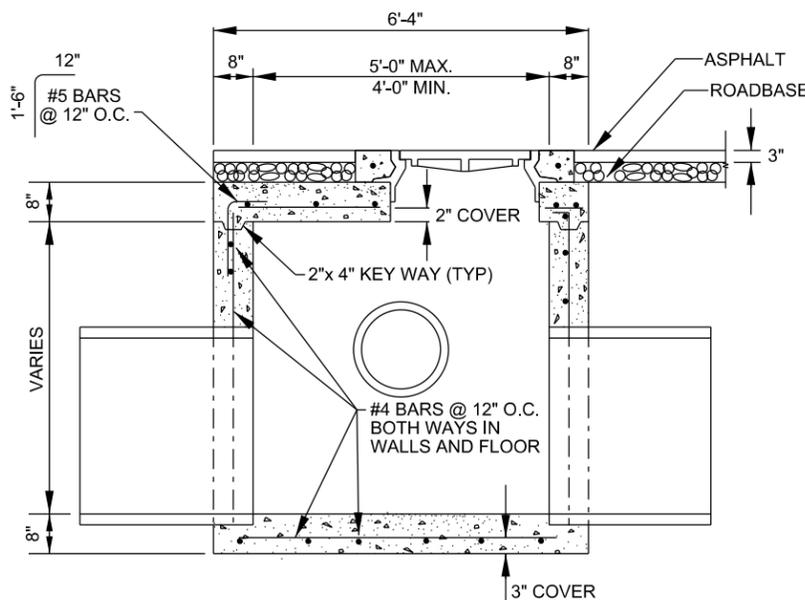


SECTION B-B



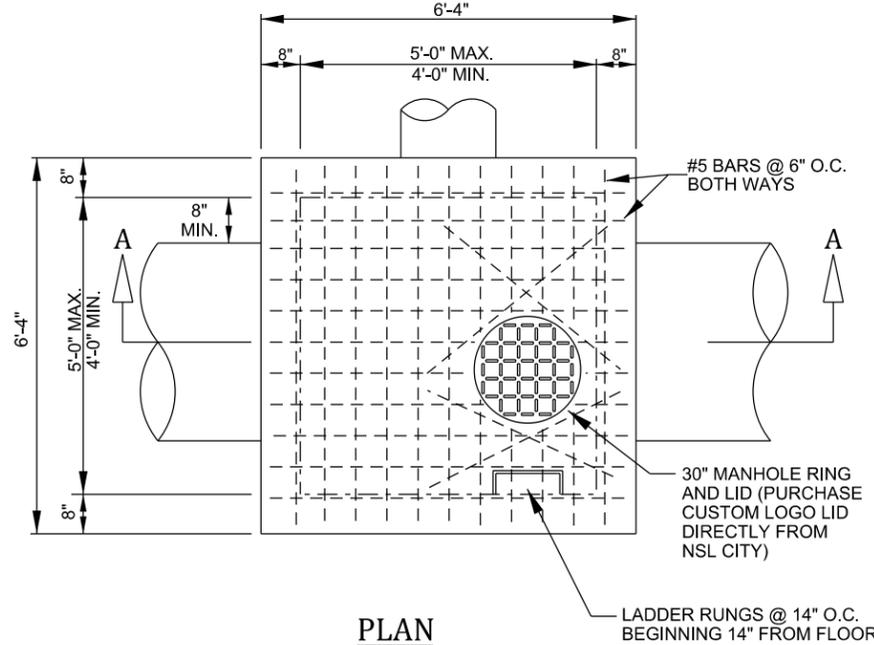
COMBINATION
 CLEANOUT-INLET BOX
 NTS

FRAME: D & L SUPPLY I-3386-R2
 GRATE: D & L SUPPLY I-3386-01
 "A" STYLE GRATE OR D & L SUPPLY
 I-3386-04 "L" STYLE GRATE
 (LOCATION DEPENDENT)

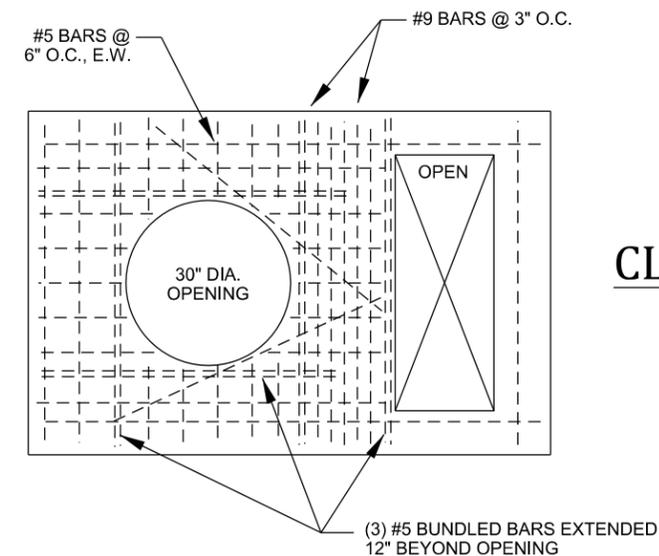


SECTION A-A

CLEANOUT BOX
 NTS



PLAN



TOP SLAB REINFORCEMENT
 NTS

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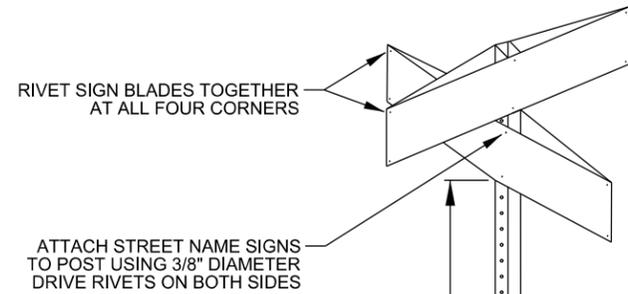
CAST-IN-PLACE
 STORM DRAIN CLEANOUT
 AND COMBINATION BOXES

NORTH SALT LAKE
 STANDARD DRAWINGS

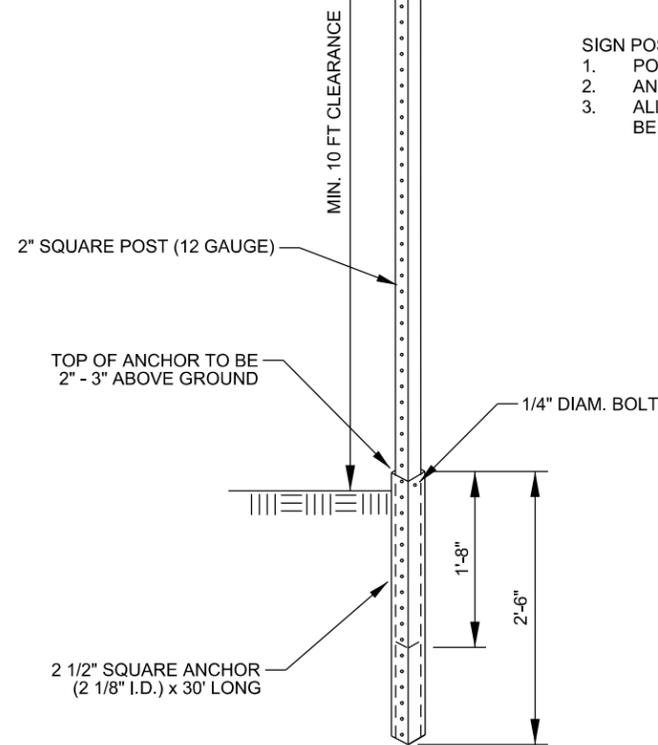


CITY OF NORTH SALT LAKE
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LEONARD K ARAVE
 Mayor
 BARRY EDWARDS
 City Manager



- SIGN POST NOTES:**
1. POST SHALL BE PUNCH TYPE
 2. ANCHORS SHALL BE 12 GAUGE
 3. ALL PSTS AND ANCHORS SHALL BE GALVANIZED STEEL



STREET SIGN POST
NTS



STANDARD STREET SIGN
NTS

STREET SIGN NOTES:

1. BACKGROUND SHALL BE GREEN (PUBLIC STREETS) OR BLUE (PRIVATE STREETS) HIGH INTENSITY PRISMATIC GRADE
2. LEGEND SHALL BE WHITE LETTERING HIGH INTENSITY PRISMATIC GRADE
3. STANDARD CITY STREET SIGNS SHALL HAVE INITIAL CAPITAL LETTERS 6" IN HEIGHT AND LOWERCASE LETTERS 4.5" IN HEIGHT
4. SIGNS PLACED ON REDWOOD ROAD OR HIGHWAY 89 SHALL HAVE INITIAL CAPITAL LETTERS 8" IN HEIGHT AND LOWERCASE LETTERS 6" IN HEIGHT
5. CITY LOGO SHALL BE FULL COLOR 7.25" x 7.25" HIGH INTENSITY PRISMATIC GRADE
6. SIGN BLANK SHALL BE 5052H38 HEAT TREATED HIGH TENSILE DEGREASED ALUMINUM WITH ALODINE 1200 FINISH. THICKNESS SHALL BE 0.080"
7. EACH SIGN SHALL CONSIST OF TWO PLATES RIVETED TOGETHER AND MOUNTED AS REQUIRED
8. CONTACT CITY ENGINEER PRIOR TO ORDERING SIGNS TO VERIFY CORRECT STREET NAMES AND COORDINATES

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STREET SIGNS

**NORTH SALT LAKE
STANDARD DRAWINGS**



CITY OF NORTH SALT LAKE

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LEONARD K ARAVE
Mayor

BARRY EDWARDS
City Manager

SHEET 10
OF 15

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MAY 2016**

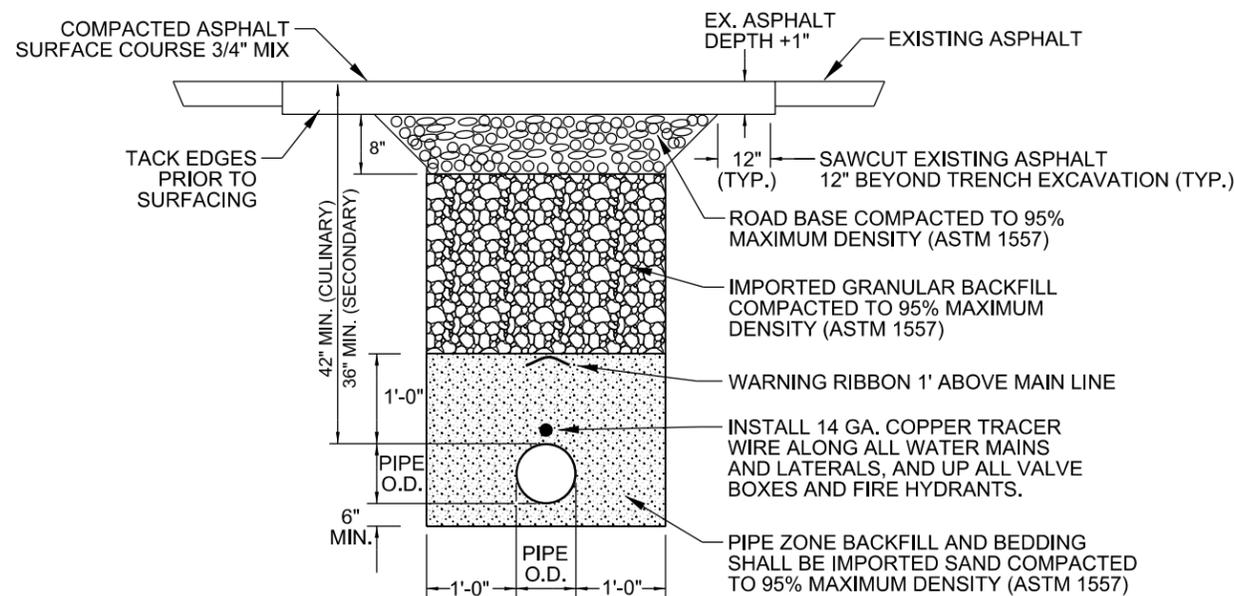
WATER SYSTEM NOTES

- ALL WATER SYSTEM COMPONENTS AND INSTALLATION TECHNIQUES SHALL COMPLY WITH THE UTAH ADMINISTRATIVE CODE RULE R309-550 "FACILITY DESIGN AND OPERATION: TRANSMISSION AND DISTRIBUTION PIPELINES" OF THE UTAH DEPARTMENT OF ENVIRONMENTAL QUALITY, DIVISION OF DRINKING WATER.
- ALL WATER MAINS, SERVICES, METER BOXES AND APPURTENANT MATERIALS SHALL BE CONSTRUCTED PER THE REQUIREMENTS OF NORTH SALT LAKE. NOTIFY NORTH SALT LAKE ENGINEERING DEPARTMENT PRIOR TO COMMENCEMENT OF ANY WORK TO ALLOW THEM TO INSPECT ALL PHASES OF THE WORK.
- ALL WATER MAINS SHALL BE MANUFACTURED OF POLYVINYL CHLORIDE (PVC) AND SHALL MEET THE REQUIREMENTS OF AWWA C-900/905. ALL CULINARY WATER MAINS SHALL BE BLUE IN COLOR. ALL SECONDARY WATER MAINS SHALL BE PURPLE IN COLOR. THE DIMENSION RATIO (DR) OF THE PIPE SHALL BE 18. DEFLECT JOINTS NO MORE THAN THE DEFLECTION RECOMMENDED BY THE PIPE AND JOINT MANUFACTURER. MINIMUM PIPE SIZE SHALL BE 8" (CUL-DE-SACS SERVING FOUR OR FEWER HOME LOTS MAY USE 6" PIPE). A 14 GA. TRACER WIRE RATED FOR DIRECT BURIAL SHALL BE INSTALLED ALONG ALL WATER MAINS AND INDIVIDUAL LATERALS. THE TRACER WIRE SHALL BE CONNECTED AND BROUGHT TO 2' ABOVE THE SURFACE AT EACH VALVE AND METER BOX. WIRE SHALL BE RUN UP OUTSIDE OF VALVE BOX AND TAPPED IN AT A POINT 6" FROM THE TOP OF BOX.
- ALL VALVES 14" AND UNDER SHALL BE GATE STYLE VALVES MEETING THE REQUIREMENTS OF AWWA C-509 (RESILIENT WEDGE GATE VALVES). ALL VALVES 16" AND LARGER SHALL BE BUTTERFLY VALVES MEETING THE REQUIREMENTS OF AWWA C-504. ALL VALVES SHALL BE DESIGNED FOR DIRECT BURY APPLICATIONS, SHALL HAVE A 2" SQUARE OPERATING NUT, AND SHALL BE FURNISHED WITH A TWO-PIECE, CAST IRON, SLIP-TYPE VALVE BOX (D&L FOUNDRY MODEL M-8042), WITH THE LID MARKED "WATER" OR "IRRIGATION" AS REQUIRED. ALL VALVES SHALL BE WRAPPED IN 8-MIL POLYETHYLENE PLASTIC, AND ALL CONNECTING BOLTS SHALL BE COATED WITH FM GREASE.
- ALL WATER MAINLINE FITTINGS SHALL BE CAST IRON FITTINGS MEETING THE REQUIREMENTS OF AWWA C-110 AND C-111, AND SHALL BE EITHER FLANGED OR MECHANICAL JOINT COUPLED. INSTALL ALL FITTINGS AS RECOMMENDED BY MANUFACTURER. COAT ALL BOLTS WITH FM GREASE, AND WRAP ALL FITTINGS TO BE THRUST-BLOCKED WITH 8-MIL POLYETHYLENE.
- CONCRETE THRUST BLOCKS AND NSL-APPROVED MECHANICAL RESTRAINT DEVICES SHALL BE USED AT ALL VALVES, FITTINGS, AND CHANGES IN PIPE DIRECTION. THRUST BLOCKS SHALL BE SIZED TO ACCOMMODATE THE ANTICIPATED THRUST, AND TO DISTRIBUTE THE THRUST TO THE SOIL AT A PRESSURE ACCEPTABLE TO THE SOIL PARAMETERS. SEE THE THRUST BLOCK DETAILS ON THIS SHEET.
- ALL CULINARY WATER MAINS SHALL BE BURIED WITH A MINIMUM COVER OF 42". ALL SECONDARY WATER MAINS SHALL BE BURIED WITH A MINIMUM COVER OF 36".
- ALL WATER MAINS, SERVICE LATERALS, TAPPING SADDLES, CORPORATION STOPS, AND FIRE HYDRANTS SHALL BE PRESSURE TESTED TO 200 PSI MAINTAINED FOR A MINIMUM OF 2 HOURS. ALL PRESSURE TESTING SHALL BE IN ACCORDANCE WITH NORTH SALT LAKE PROCEDURES. SCHEDULE ALL TESTING A MINIMUM OF 24 HOURS IN ADVANCE WITH NORTH SALT LAKE PERSONNEL SO TESTING CAN BE WITNESSED AND VERIFIED.
- ALL SERVICE TAPS SHALL BE MADE USING AN ALL BRONZE, DOUBLE-STRAP SERVICE SADDLE (FORD 202BS OR APPROVED EQUAL) AND FORD F1100 CORPORATION STOP. CONNECT TRACER WIRE FROM MAIN LINE TO METER BOX WITH DIRECT BURIAL CONNECTOR (PROVIDE COIL TO EXTEND 2' ABOVE TOP OF BOX) PER NORTH SALT LAKE STANDARDS. SERVICE LATERALS SHALL BE INSTALLED WITHOUT JOINTS EXCEPT AT THE FITTINGS REQUIRED AT THE MAIN LINE AND AT THE METER SETTER OR DOWNSTREAM CONTROL VALVE.
- ALL WATER SERVICE LATERAL FITTINGS SHALL BE BRASS, AND SHALL BE INSTALLED USING TEFLON TAPE OR OTHER LUBRICATING MATERIAL.
- ALL HDPE TUBING USED SHALL BE BLUE IN COLOR FOR CULINARY WATER, PURPLE IN COLOR FOR SECONDARY WATER, AND SHALL BE COPPER TUBE SIZE (CTS).
- THE HORIZONTAL DISTANCE BETWEEN WATER LINES AND SANITARY SEWER LINES SHALL BE AT LEAST 10'. WHERE A WATER LINE AND SANITARY SEWER LINE MUST CROSS, THE WATER MAIN SHALL BE AT LEAST 18" ABOVE THE SANITARY SEWER LINE, MEASURED EDGE-TO-EDGE. WATER MAINS AND SANITARY SEWER LINES SHALL NOT BE INSTALLED IN THE SAME TRENCH.

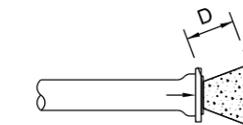
THRUST BLOCK NOTES:

- NORTH SALT LAKE REQUIRES BOTH CONCRETE THRUST BLOCKS AND THRUST RESTRAINING FOLLOWER RINGS (NSL-APPROVED).
- THRUST BLOCKS ARE REQUIRED AT ALL BENDS AND TEES.
- CONCRETE USED FOR THRUST BLOCKS SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3000 PSI AND SHALL BE CAST AGAINST UNDISTURBED SOILS.
- CONCRETE SHALL NOT BE PLACED AROUND BOLTS, AND FITTINGS SHALL BE WRAPPED WITH 8-MIL POLYETHYLENE TO KEEP CONCRETE FROM DIRECT CONTACT WITH FITTINGS.
- THRUST BLOCKS SHALL BE ALLOWED TO CURE FOR 5 DAYS PRIOR TO PRESSURE TESTING THE PIPE.
- ALL THRUST BLOCKS SHALL BE VISUALLY INSPECTED AND ACCEPTED BY THE NORTH SALT LAKE ENGINEERING DEPARTMENT BEFORE BACKFILLING.
- BEARING AREAS FOR THRUST BLOCKS SHALL BE AS SHOWN IN THE TABLE, SIZED FOR THE LARGEST PIPE INVOLVED. GENERAL BLOCK SHAPE SHALL BE TRAPEZOIDAL AS SHOWN IN DETAILS BELOW. CONFIGURATIONS NOT SHOWN SHALL REQUIRE SPECIAL DESIGN AND ACCEPTANCE BY CITY PERSONNEL.
- THE CITY MAY REQUIRE THRUST BLOCK SIZES INCREASED DEPENDING ON THE SOIL BEARING CAPACITY.

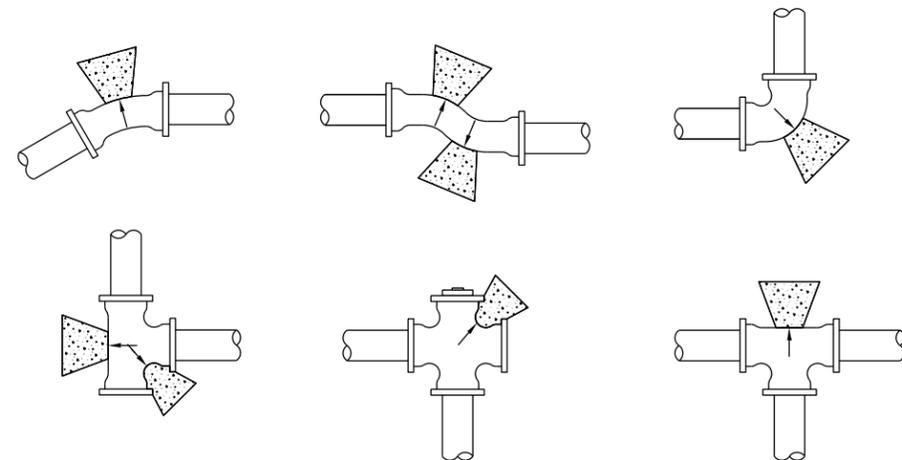
SIZE OF PIPE	MINIMUM THRUST BLOCK BEARING AREA IN SQ. FT.				
	TEES, VALVES, DEAD ENDS	90° BENDS	45° BENDS	22.5° BENDS	11.25° BENDS
4"	2	3	2	2	2
6"	4	5.5	3	1.5	1
8"	6.5	9.5	5	2.75	1.5
10"	10	15	8	4	2.25
12"	14	20	11	5.5	3
14"	19	26.5	14.5	7.5	4
16"	24	34	18.5	9.5	6
20"	27	52	28.5	14.5	16
24"	53	74	41	21	53
30"	81	114	62	32	16



**TYPICAL WATER MAIN TRENCH
WITHIN CITY RIGHT-OF-WAY**
NTS



NOTE: DEPTH OF THRUST BLOCK (D) SHALL BE 3 TIMES PIPE DIAMETER



**WATER MAIN LINE
THRUST BLOCKS**
NTS

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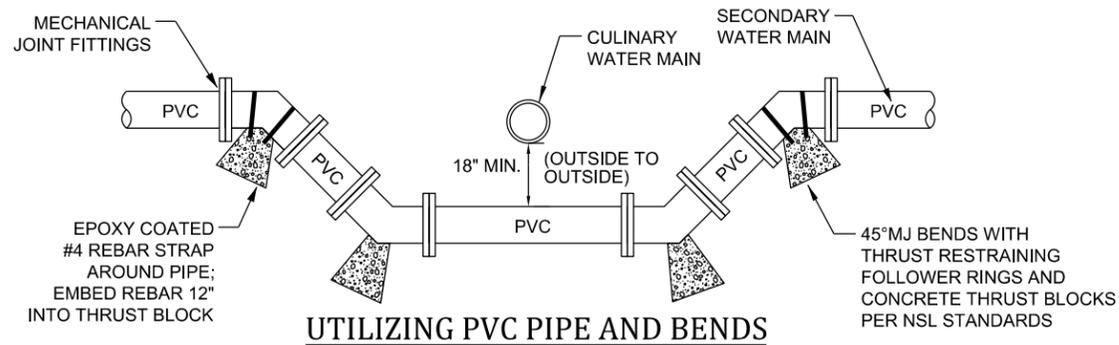
**WATER SYSTEM MAIN LINES
AND THRUST BLOCKS**

**NORTH SALT LAKE
STANDARD DRAWINGS**

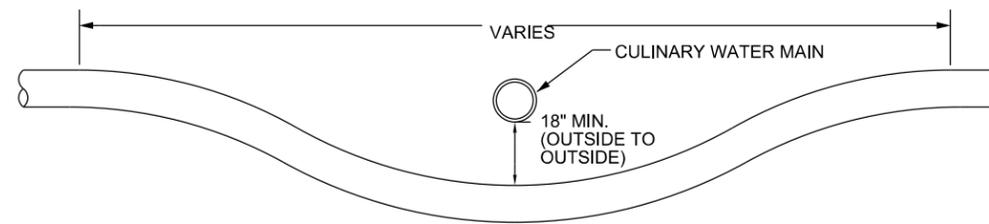


CITY OF NORTH SALT LAKE
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(801) 335-8700
LEONARD K ARAVE
Mayor
BARRY EDWARDS
City Manager

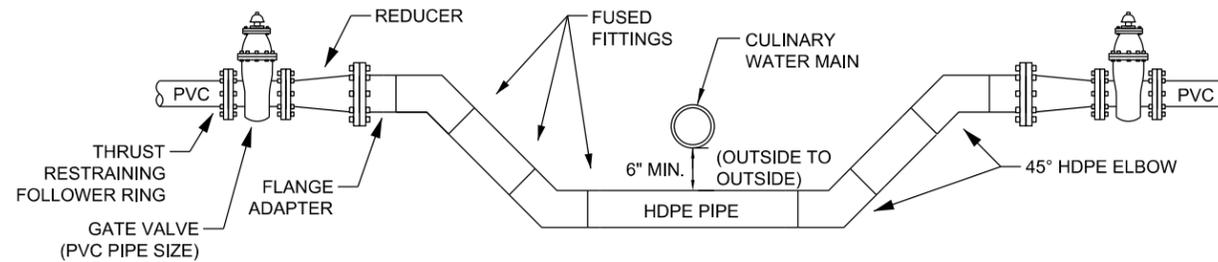
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**REVISED
MAY 2016**



UTILIZING PVC PIPE AND BENDS

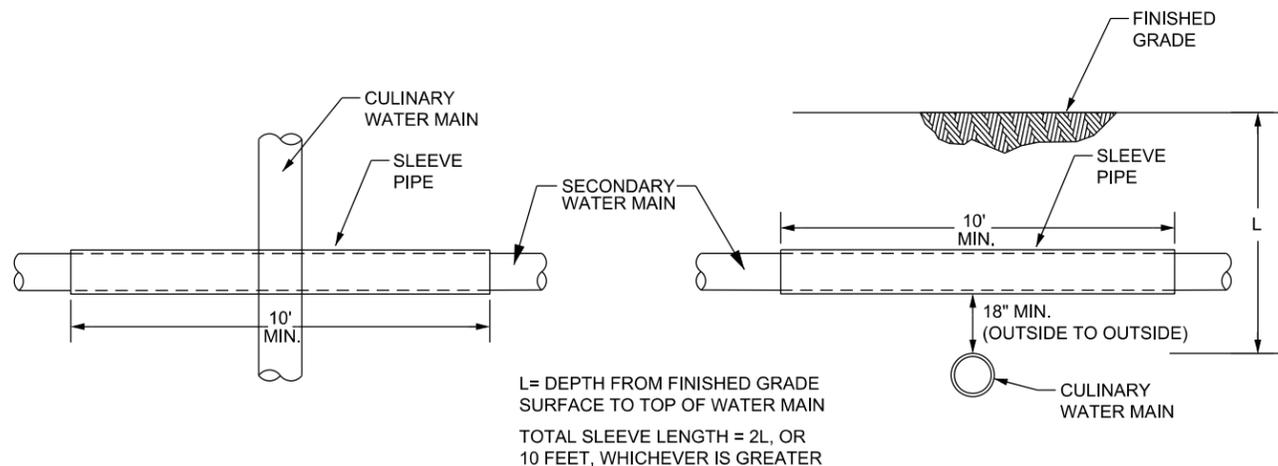


UTILIZING HDPE PIPE WITHOUT BENDS



UTILIZING HDPE PIPE AND BENDS

SECONDARY WATER LOOP UNDER CULINARY MAIN
NTS



L = DEPTH FROM FINISHED GRADE SURFACE TO TOP OF WATER MAIN
TOTAL SLEEVE LENGTH = 2L, OR 10 FEET, WHICHEVER IS GREATER

PLAN VIEW

PROFILE VIEW

SECONDARY WATER MAIN CROSSING OVER CULINARY MAIN
NTS

WATER MAIN CROSSING NOTES:

1. ALL CULINARY WATER MAIN CONSTRUCTION SHALL BE IN COMPLIANCE WITH THE STANDARDS AND REGULATIONS OF THE CITY OF NORTH SALT LAKE AND THE REGULATIONS OF THE STATE OF UTAH, DEPARTMENT OF ENVIRONMENTAL QUALITY, DIVISION OF WATER QUALITY.
2. ALL SECONDARY WATER MAIN CONSTRUCTION SHALL BE IN COMPLIANCE WITH THE STANDARDS AND REGULATIONS OF THE CITY OF NORTH SALT LAKE AND THE REGULATIONS OF THE STATE OF UTAH, DEPARTMENT OF ENVIRONMENTAL QUALITY, DIVISION OF WATER QUALITY.
3. ALL SECONDARY WATER MAINS SHALL BE LOCATED A MINIMUM OF TEN (10) FEET HORIZONTALLY FROM CULINARY WATER MAINS. CULINARY MAINS SHALL BE SEPARATED A MINIMUM OF TEN (10) FEET HORIZONTALLY FROM SANITARY SEWER MAINS.
4. WHEN WATER MAINS CROSS SANITARY SEWER MAINS OR OTHER WATER MAINS CONVEYING DIFFERENT CLASSES OF WATER (CULINARY VS SECONDARY), THE CROSSING SHALL BE MADE SUCH THAT THE CROSSING POINT IS EQUIDISTANT, AS FAR AS POSSIBLE, FROM JOINTS ON THE OTHER PIPE (CENTER FULL PIPE LENGTHS AT CROSSINGS).
5. WHEN POSSIBLE, THE ORDER OF UTILITY LINES SHALL BE INSTALLED AS FOLLOWS, FROM LOWEST TO HIGHEST: SEWER MAINS (LOWEST), SECONDARY WATER MAINS, AND CULINARY LINES (HIGHEST). A MINIMUM OF 18" SEPARATION SHALL BE PROVIDED BETWEEN ALL WATER LINES AND SANITARY SEWER LINES AT ALL CROSSINGS.
6. WHEN SECONDARY WATER MAINS MUST BE INSTALLED ABOVE CULINARY WATER MAINS, A MINIMUM OF 18" SEPARATION SHALL BE MAINTAINED, AND A PIPE SLEEVE SHALL BE PLACED AROUND THE SECONDARY WATER MAIN. SEE DETAIL THIS SHEET.
7. WHERE POSSIBLE, MAINTAIN 10' MINIMUM OF HORIZONTAL SEPARATION BETWEEN SEWER LATERALS AND ANY WATER LATERALS, AND BETWEEN CULINARY AND SECONDARY WATER LATERALS.

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CROSSING OF CULINARY AND SECONDARY WATER MAINS

NORTH SALT LAKE STANDARD DRAWINGS



CITY OF NORTH SALT LAKE

10 East Center Street
North Salt Lake, Utah 84054
(801) 335-8700

LEONARD K ARAVE
Mayor

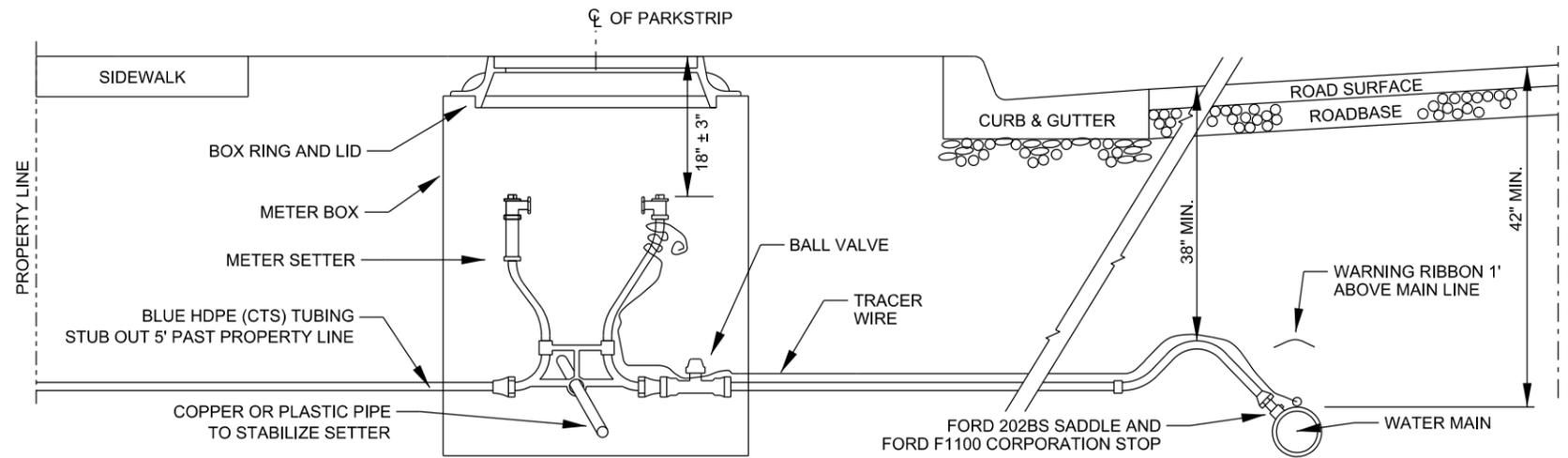
BARRY EDWARDS
City Manager

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MAY 2016

CULINARY WATER SYSTEM NOTES:

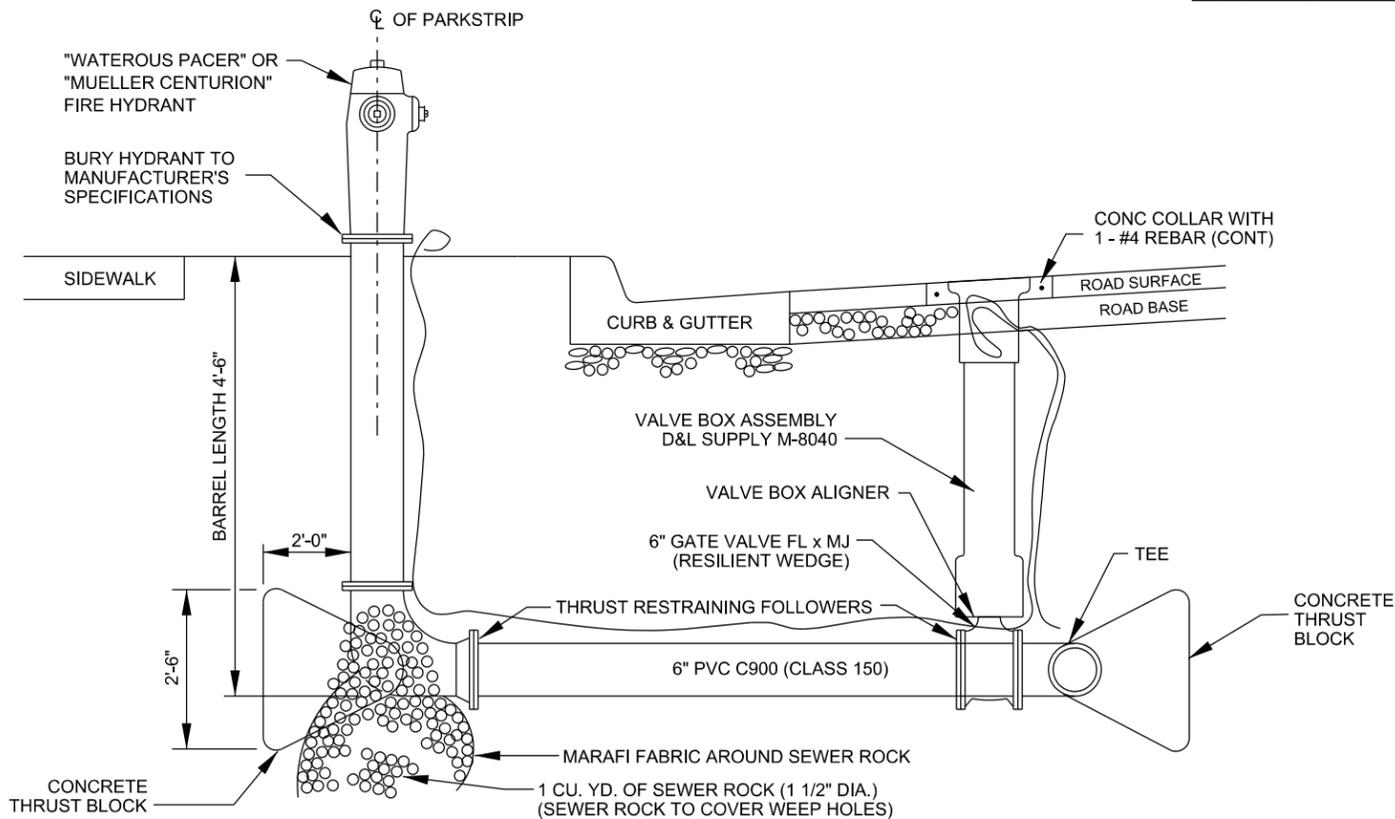
- CULINARY WATER MAIN LINES SHALL BE BLUE PVC C900/905 (CLASS 150 - DR18). DUCTILE IRON PIPE MAY BE USED IF APPROVED BY CITY ENGINEER
- CULINARY WATER MAIN LINES SHALL BE CONSTRUCTED WITH A MINIMUM COVER OF 42"
- ALL MECHANICAL JOINT FITTINGS SHALL BE TORQUED AS RECOMMENDED BY MANUFACTURER
- ALL BEVELED EDGES SHALL BE CUT OFF BEFORE BEING CONNECTED TO A MECHANICAL JOINT FITTING
- ALL CULINARY METER BOX LIDS SHALL HAVE A 2" DIAMETER HOLE IN THEM
- ALL POLYETHYLENE LATERALS MUST HAVE A STAINLESS STEEL INSERT STIFFENER AT ALL CONNECTIONS
- TRACER WIRE TO BE INSTALLED FOR ALL WATER LINES CONNECTED TO THE SYSTEM OR IN CITY R.O.W.
- ALL SPLICES ON TRACER WIRE TO BE CONNECTED WITH 3M DBR (DIRECT BURIAL) CONNECTOR OR EQUIVALENT
- CULINARY METER BOXES SHALL NOT BE INSTALLED IN DRIVEWAY APPROACH
- CULINARY WATER METERS TO BE SUPPLIED AND INSTALLED BY NSL CITY
- METALLIC WARNING TAPE SHALL BE INSTALLED 1' ABOVE MAIN LINE
- ALL METER SETTERS SHALL HAVE THE CORRECT SIZE PIPE INSTALLED IN BOTTOM OF EYELET TO PREVENT SETTER FROM TIPPING OR RESTING AGAINST METER BOX



METER SIZE	SETTER TYPE	BALL VALVE	METER BOX	METER RING AND LID
3/4"	FORD VBHC72-18W-11-33-NL	FORD B41-333-Q-NL	21" DIAM ADS PIPE	D&L SUPPLY L-2242 RING AND L-2240-10 LID MARKED "WATER"
1"	FORD VBHC74-18W-11-44-NL	FORD B41-444-Q-NL	21" DIAM ADS PIPE	D&L SUPPLY L-2242 RING AND L-2240-10 LID MARKED "WATER"
1 1/2"	FORD VBHH76-21BHC-11-66-NL	FORD B41-666-Q-NL	30" DIAM ADS PIPE	D&L SUPPLY A-1181 (LID WITH 2" HOLE, MARKED "WATER")
2"	FORD VBHH77-21BHC-11-77-NL	FORD B41-777-Q-NL	30" DIAM ADS PIPE	D&L SUPPLY A-1181 (LID WITH 2" HOLE, MARKED "WATER")
3" OR MORE	SEE CITY ENGINEER	SEE CITY ENGINEER	SEE CITY ENGINEER	SEE CITY ENGINEER

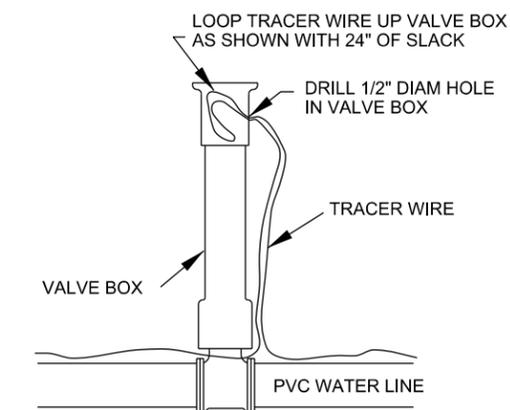
CULINARY WATER SERVICE

NTS



FIRE HYDRANT CONNECTION

NTS



TRACER WIRE INSTALLATION AT VALVE BOX

TRACER WIRE NOTES:

- ALL TRACER WIRE SHALL HAVE HDPE INSULATION INTENDED FOR DIRECT BURY, COLOR-CODED PER APWA STANDARDS FOR SPECIFIC UTILITY BEING MARKED
- OPEN TRENCH TRACER WIRE SHALL BE #12 AWG COPPER CLAD STEEL, HIGH STRENGTH WITH MINIMUM BREAK LOAD OF 450 LB WITH MINIMUM 30 MIL HDPE INSULATION THICKNESS
- DIRECTIONAL DRILLING / BORING TRACER WIRE SHALL BE #12 AWG COPPER CLAD STEEL, EXTRA HIGH STRENGTH WITH MINIMUM 1,150 LB BREAK LOAD WITH MINIMUM 30 MIL HDPE INSULATION THICKNESS
- PIPE BURSTING / SLIP LINING TRACER WIRE SHALL BE 7x7 STRANDED COPPER CLAD STEEL, EXTREME STRENGTH WITH 4,700 LB BREAK LOAD, WITH A MINIMUM 50 MIL HDPE INSULATION THICKNESS
- ALL MAINLINE TRACER WIRES MUST BE INTERCONNECTED IN INTERSECTIONS, AT MAINLINE TEES, AND MAINLINE CROSSES.
 - AT TEES, THE THREE WIRES SHALL BE JOINED USING A SINGLE 3-WAY LOCKABLE CONNECTOR
 - AT CROSSES, THE FOUR WIRES SHALL BE JOINED USING A 4-WAY CONNECTOR. USE OF TWO 3-WAY CONNECTORS WITH A SHORT JUMPER WIRE BETWEEN THEM IS AN ACCEPTABLE ALTERNATIVE
- DIRECT BURY WIRE CONNECTORS SHALL INCLUDE 3-WAY LOCKABLE CONNECTORS AND MAINLINE-TO-LATERAL LUG CONNECTORS SPECIFICALLY MANUFACTURED FOR USE IN UNDERGROUND TRACER WIRE INSTALLATION. CONNECTORS SHALL BE DIELECTRIC SILICON FILLED TO SEAL OUT MOISTURE AND CORROSION, AND SHALL BE INSTALLED IN A MANNER SO AS TO PREVENT ANY UNINSULATED WIRE EXPOSURE
- NON-LOCKING FRICTION FIT, TWIST ON, OR TAPED CONNECTORS ARE PROHIBITED

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CULINARY WATER SERVICE, FIRE HYDRANT, TRACER WIRE

NORTH SALT LAKE STANDARD DRAWINGS

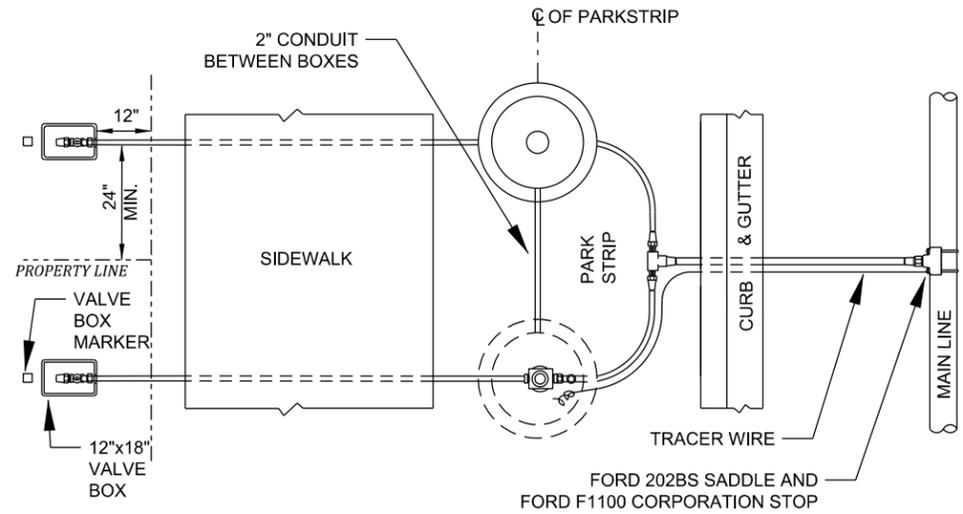


CITY OF NORTH SALT LAKE
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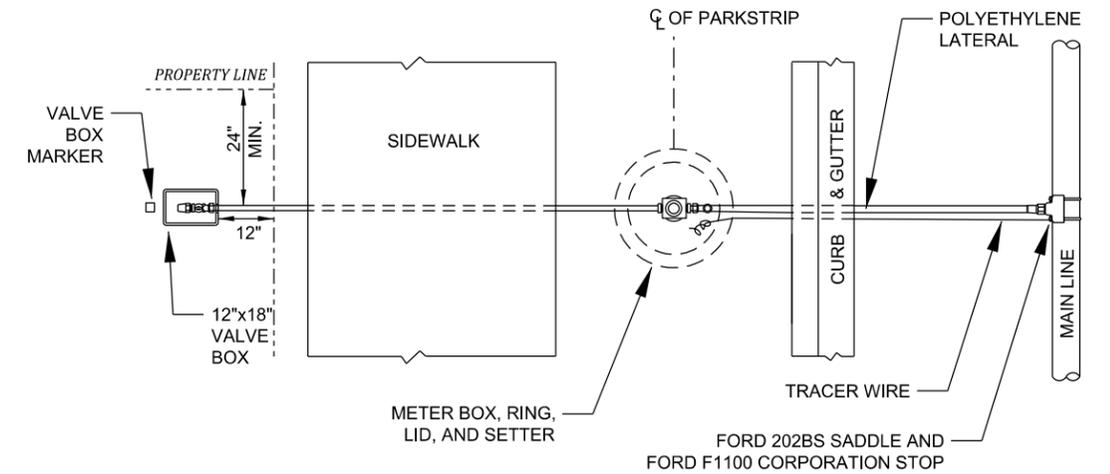
SHEET 13
 OF 15
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 MAY 2016

SECONDARY WATER SYSTEM NOTES:

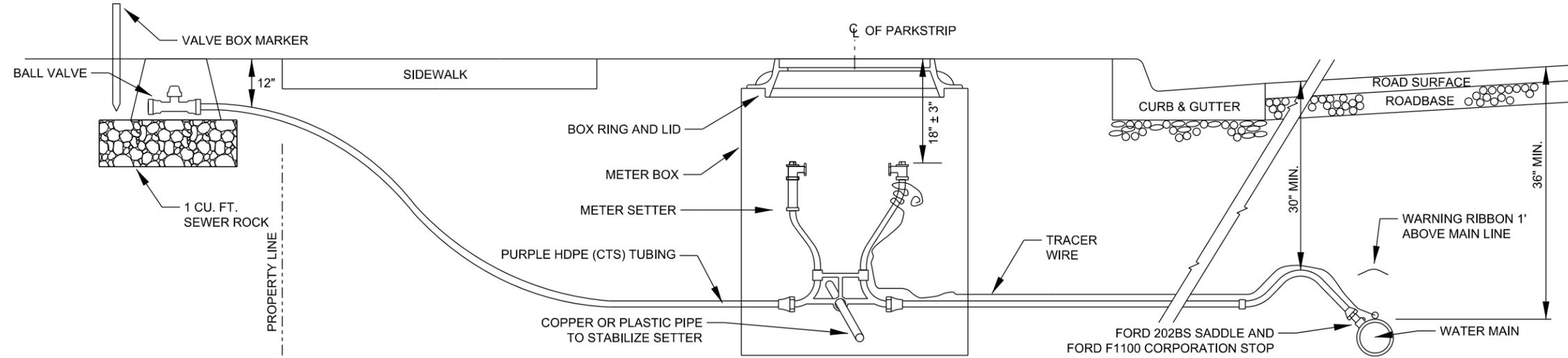
1. SECONDARY WATER MAIN LINES SHALL BE PURPLE PVC C900/905 (CLASS 150 - DR18). DUCTILE IRON PIPE MAY BE USED IF APPROVED BY CITY ENGINEER AND IF COVERED IN PURPLE POLYETHYLENE WRAP
2. SECONDARY WATER MAIN LINES SHALL BE CONSTRUCTED WITH A MINIMUM COVER OF 36"
3. ALL MECHANICAL JOINT FITTINGS SHALL BE TORQUED AS RECOMMENDED BY MANUFACTURER
4. ALL BEVELED EDGES SHALL BE CUT OFF BEFORE BEING CONNECTED TO A MECHANICAL JOINT FITTING
5. ALL SINGLE SECONDARY METER BOX LIDS SHALL HAVE A 2" DIAMETER HOLE IN THEM. WHEN INSTALLED IN PAIRS, ONE LID SHALL HAVE A 2" DIAMETER HOLE AND THE BOXES SHALL BE CONNECTED BY A 2" CONDUIT, AS SHOWN ON THE DETAIL THIS SHEET
6. ALL POLYETHYLENE LATERALS MUST HAVE A STAINLESS STEEL INSERT STIFFENER AT ALL CONNECTIONS
7. TRACER WIRE TO BE INSTALLED FOR ALL WATER LINES CONNECTED TO THE SYSTEM OR IN CITY R.O.W.
8. ALL SPLICES ON TRACER WIRE TO BE CONNECTED WITH 3M DBR (DIRECT BURIAL) CONNECTOR OR EQUIVALENT
9. SECONDARY METER BOXES SHALL NOT BE INSTALLED IN DRIVEWAY APPROACH
10. SECONDARY WATER METERS TO BE SUPPLIED AND INSTALLED BY NSL CITY
11. METALLIC WARNING TAPE SHALL BE INSTALLED 1' ABOVE MAIN LINE
12. ALL METER SETTERS SHALL HAVE THE CORRECT SIZE PIPE INSTALLED IN BOTTOM OF EYELET TO PREVENT SETTER FROM TIPPING OR RESTING AGAINST METER BOX



PLAN - DOUBLE SERVICE



PLAN - SINGLE SERVICE



METER SIZE	SETTER TYPE	BALL VALVE	METER BOX	METER RING AND LID
3/4"	FORD VBHC72-18W-11-33-NL	FORD B41-333-Q-NL	21" DIAM ADS PIPE	D&L SUPPLY L-2242 RING AND L-2240-10 LID MARKED "IRRIGATION"
1"	FORD VBHC74-18W-11-44-NL	FORD B41-444-Q-NL	21" DIAM ADS PIPE	D&L SUPPLY L-2242 RING AND L-2240-10 LID MARKED "IRRIGATION"
1 1/2"	FORD VBHH76-21BHC-11-66-NL	FORD B41-666-Q-NL	30" DIAM ADS PIPE	D&L SUPPLY A-1181 (LID WITH 2" HOLE, MARKED "IRRIGATION")

PROFILE

SECONDARY WATER SERVICE

NTS

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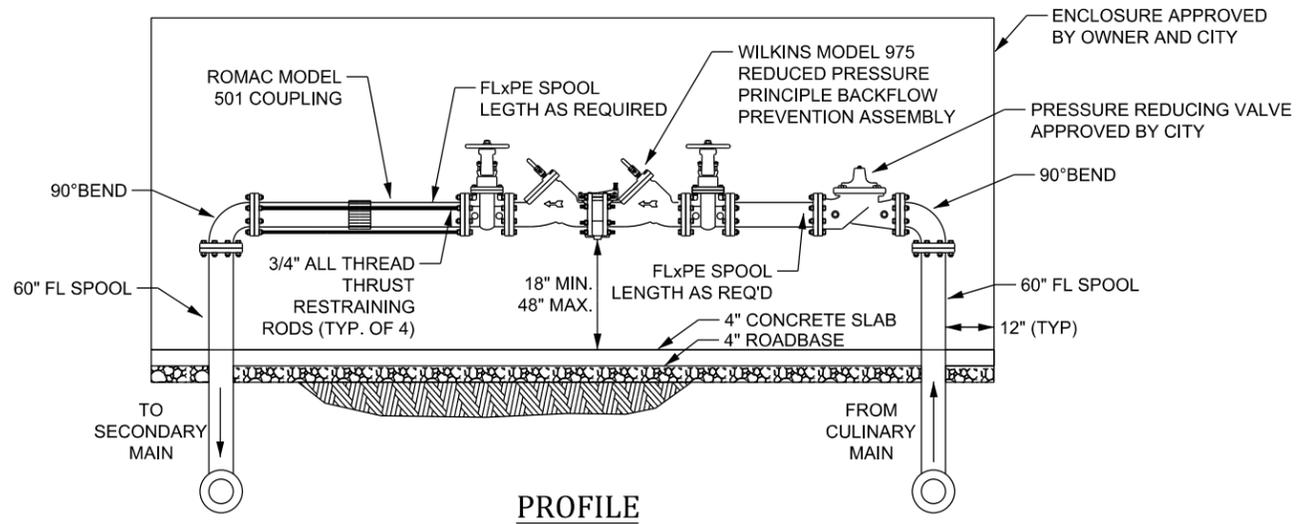
SECONDARY WATER SERVICE

NORTH SALT LAKE
STANDARD DRAWINGS

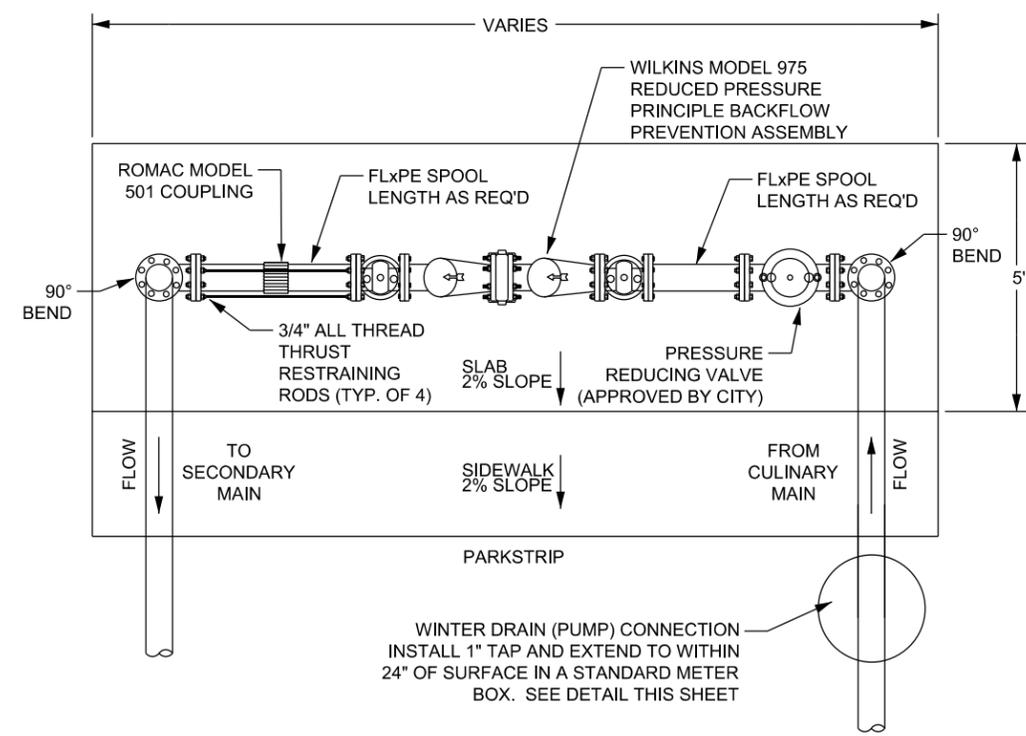


CITY OF NORTH SALT LAKE
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LEONARD K ARAVE Mayor
BARRY EDWARDS City Manager

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REVISED
MAY 2016



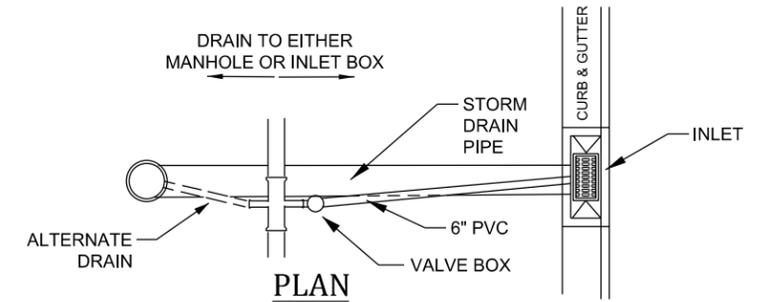
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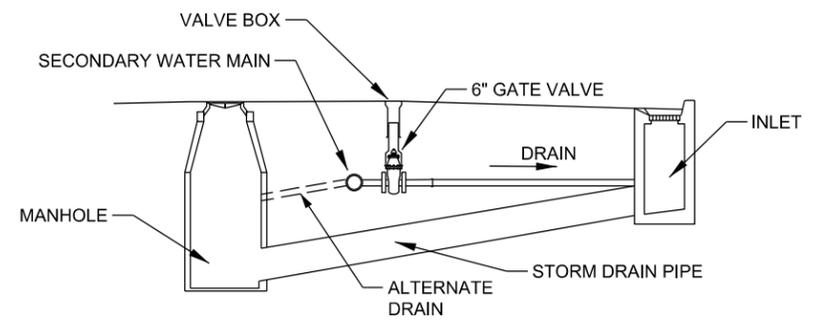
PLAN

PRV/REDUCED PRESSURE BACKFLOW DEVICE
NTS

- SECONDARY DRAIN NOTES:
1. DRAIN POINTS ON THE SECONDARY WATER MAIN SHALL BE INSTALLED AT LOW POINTS AND SHALL BE PIPED TO EITHER THE STORM WATER COLLECTION SYSTEM OR SEWER MANHOLE (WHERE SPECIFICALLY APPROVED BY SOUTH DAVIS SEWER DISTRICT).
 2. DRAIN VALVE BOX LIDS SHALL BE MARKED "DRAIN"

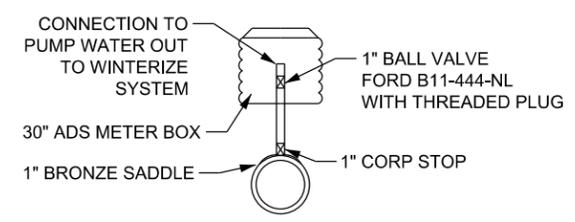


PLAN



PROFILE

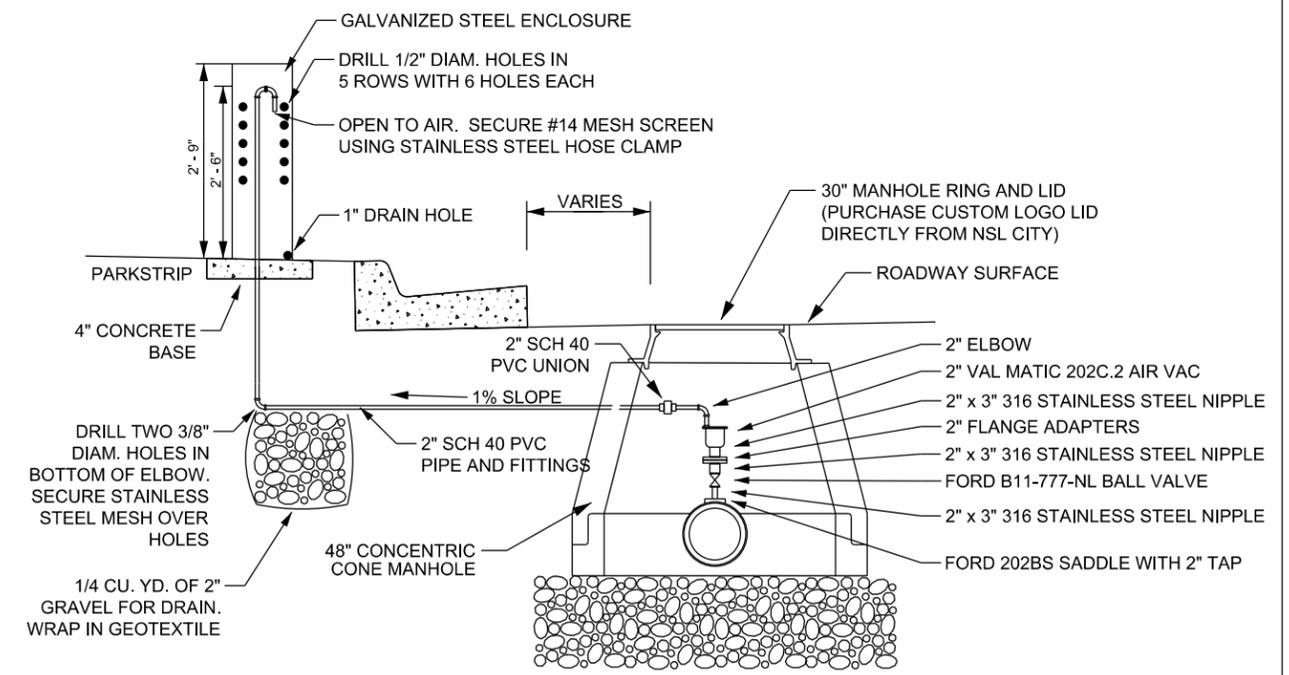
SECONDARY WATER MAIN DRAIN
NTS



DRAINING PUMP

NOTE: THE PRESSURE REDUCING VALVE, PILOT ASSEMBLY, AND THE REDUCED PRESSURE BACKFLOW PREVENTER MUST BE THOROUGHLY DRAINED AND WINTERIZED EACH WINTER.

IN ADDITION TO WINTERIZING THE VALVES, THE STANDPIPES MUST BE DRAINED BY ISOLATING THE SYSTEM USING MAIN LINE VALVES AND PUMPING WATER OUT VIA THE DRAIN CONNECTIONS PROVIDED.



AIR VAC
NTS

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WATER SYSTEM DETAILS

**NORTH SALT LAKE
STANDARD DRAWINGS**



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LEONARD K ARAVE
Mayor

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OF 15

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