

**RESOLUTION NO. 09-03-2006**

**A RESOLUTION OF THE SANTAQUIN CITY COUNCIL, ADOPTING THE SANTAQUIN CITY CONSTRUCTION STANDARDS.**

**WHEREAS**, State law establishes that municipalities may provide services such as but not limited to culinary water facilities, storm drainage, sewer systems, sidewalks, road ways, lighting, street signage and traffic regulations; and

**WHEREAS**, the city has adopted a general plan which outlines goals and policies for the betterment of the community, including well-planned, organized growth and which can efficiently and effectively serve the public with necessary infrastructure, facilities, and services such as those listed above; and

**WHEREAS**, The City Council has determined that the adoption of construction standards will enable the City to further its desire to provide services to its residents and businesses as well as provide for the following:

- More efficient and serviceable public utilities.
- Standards for accessibility along public streets and sidewalks;
- Street designs appropriate to the residential developments that may occur within the City and which further the goals and policies of the Circulation element of the City's General Plan;
- Reduction of impervious surface and storm water drainage impacts;
- Street and sidewalk design elements for more walkable, desirable and safe neighborhoods in accordance with the goals and policies of the City's General Plan;
- Improvement of the appearance and visual character of the community in accordance with the goals and policies of the City's General Plan; and

**WHEREAS**, the state legislature has granted general welfare power to the City Council, independent, apart from, and in addition to, its specific grants of legislative authority, which enables the city to enact ordinances, resolutions, and rules they may consider necessary or appropriate for the use and development of land within the municipality, including resolutions governing, open spaces, structures, buildings, energy efficiency, light and air, air quality, transportation and public or alternative transportation, infrastructure, street and building orientation and width requirements, public facilities, and landscaping, unless expressly prohibited by law; and

**WHEREAS**, the foregoing legitimate governmental objectives are achieved by reasonable means in that any adverse impact on private property value or use has been carefully balanced against the corresponding gain to the public; and the regulations have been calculated, on recommendation of City planning staff to permit property owners to beneficially use their properties for the practical purposes to which the property is reasonably adaptable; and procedures have been established by the Land Development Code and Utah Code Ann. where appeals can be heard and decided if it is alleged that there is legislative or administrative error or where a special exception or variance to the ordinance is required.

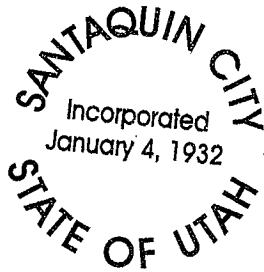
**NOW, THEREFORE, BE IT RESOLVED** by the Santaquin City Council, as follows:

1. The Santaquin City Council adopts and authorizes City staff to implement the Santaquin City Construction Standards.
2. That the Santaquin City Construction Standards be applied to all developments which have not received final Development Review Committee approvals.

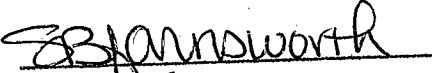
**PASSED AND APPROVED** this 6<sup>th</sup> day of September, 2006.

SANTAQUIN CITY COUNCIL

  
James E. DeGraffenried, Mayor



ATTEST:

  
City Recorder

**SANTAQUIN CITY**



**2006**

**CONSTRUCTION STANDARDS**

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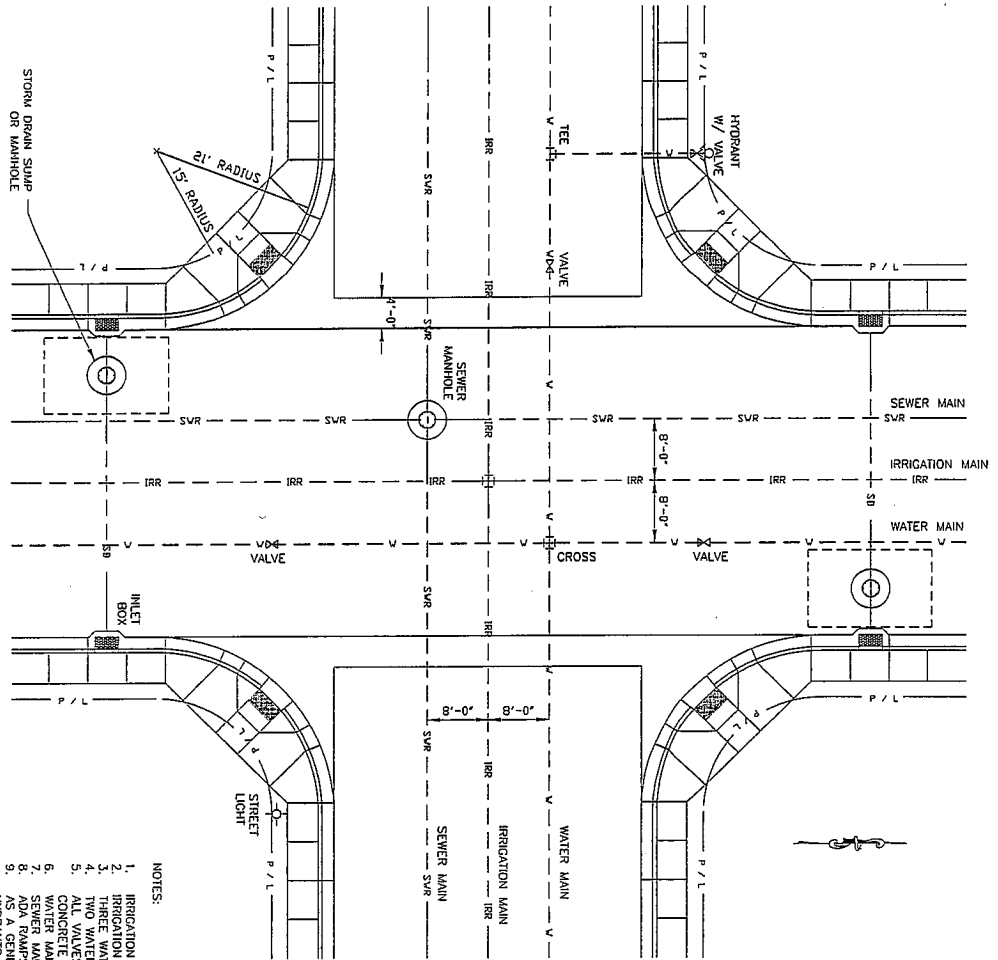
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**STREET UTILITY LOCATIONS**  
NOT TO SCALE

- NOTES:
1. IRRIGATION VALVES SHALL BE PLACED AT HYDRANT LOCATIONS.
  2. IRRIGATION VALVES SHALL BE LOCATED IN THE CENTER OF THE STREET.
  3. THREE WATER VALVES SHALL BE REQUIRED ON A FOUR-WAY STREET INTERSECTION.
  4. TWO WATER VALVES SHALL BE REQUIRED ON A THREE-WAY STREET INTERSECTION.
  5. ALL VALVES SHALL BE LOCATED IN LINE WITH THE PROPERTY LINE, NEVER IN CONCRETE CROSS CUTTER.
  6. WATER MAINS SHALL BE LOCATED ON THE NORTH & EAST SIDES OF THE STREET.
  7. SEWER MAINS SHALL BE LOCATED ON THE SOUTH & WEST SIDES OF THE STREET.
  8. SEWER MANHOLES SHALL BE LOCATED ON ALL CORNERS.
  9. AS A GENERAL RULE, LOCATE STREET LIGHTS ON THE OPPOSITE CORNER FROM HYDRANTS.
  10. ATTACH STREET SIGNS TO STREET LIGHTS.

1 of 56

SHEET NO.

UT1

DRAWING NO.

SCALE: NTS

DATE: 12/1/05

CHECKED BY: DSF

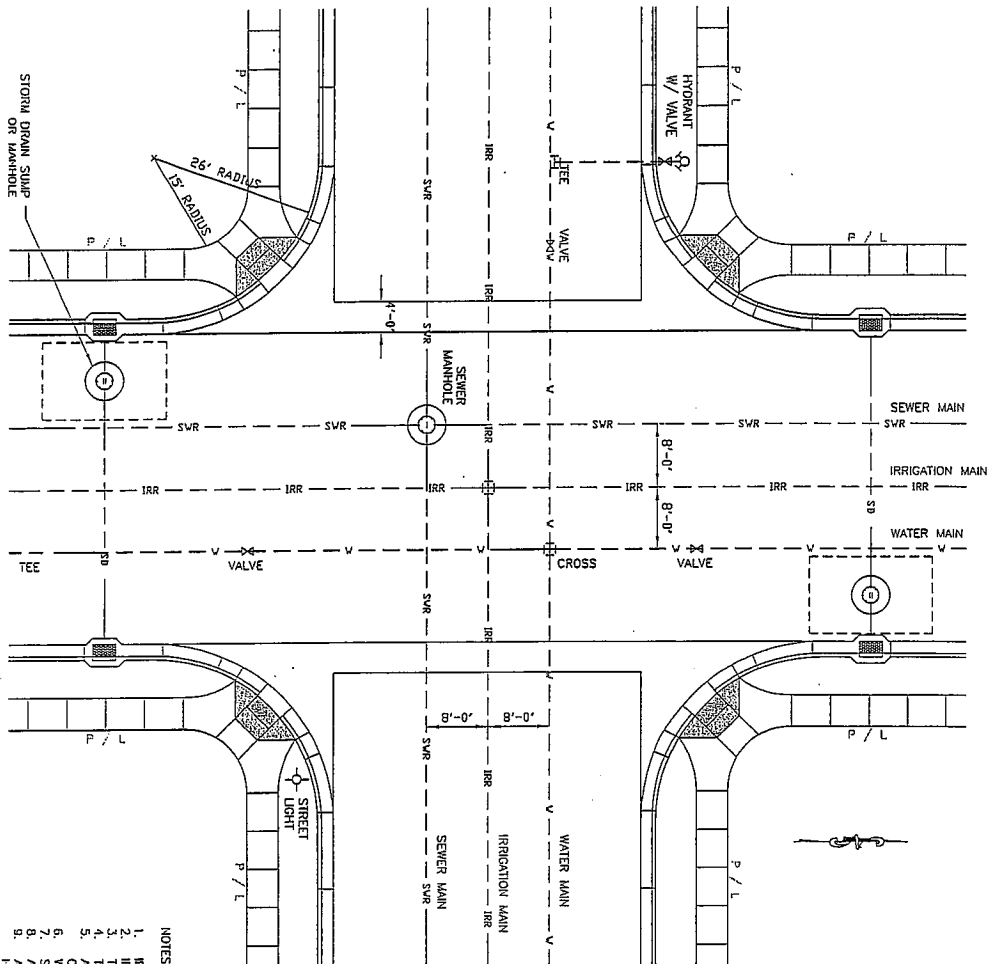
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**SANTAQUIN CITY  
CONSTRUCTION STANDARDS**

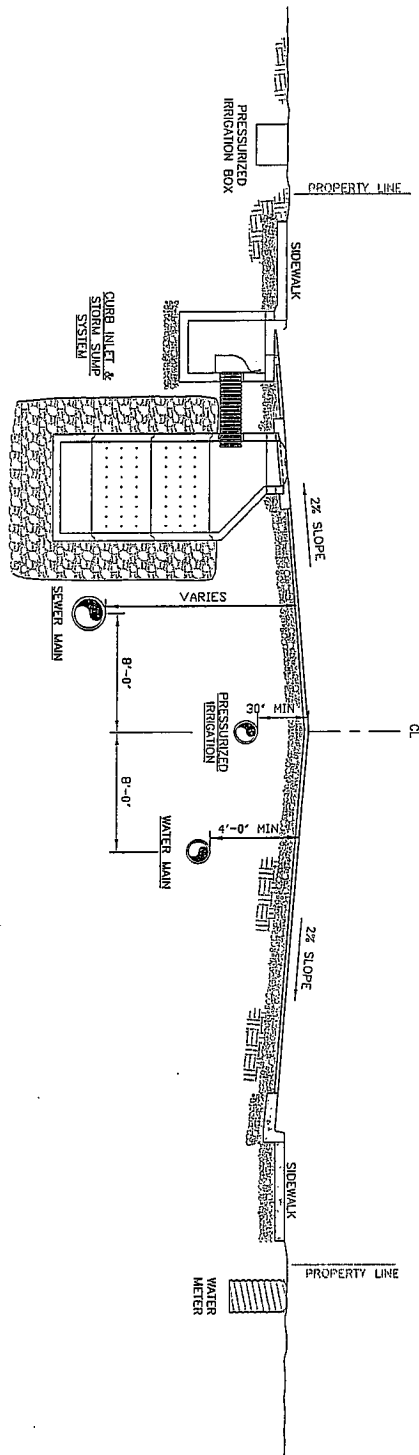
STREET UTILITY LOCATIONS




STREET UTILITY LOCATIONS W/ PLANTER STRIP  
NOT TO SCALE

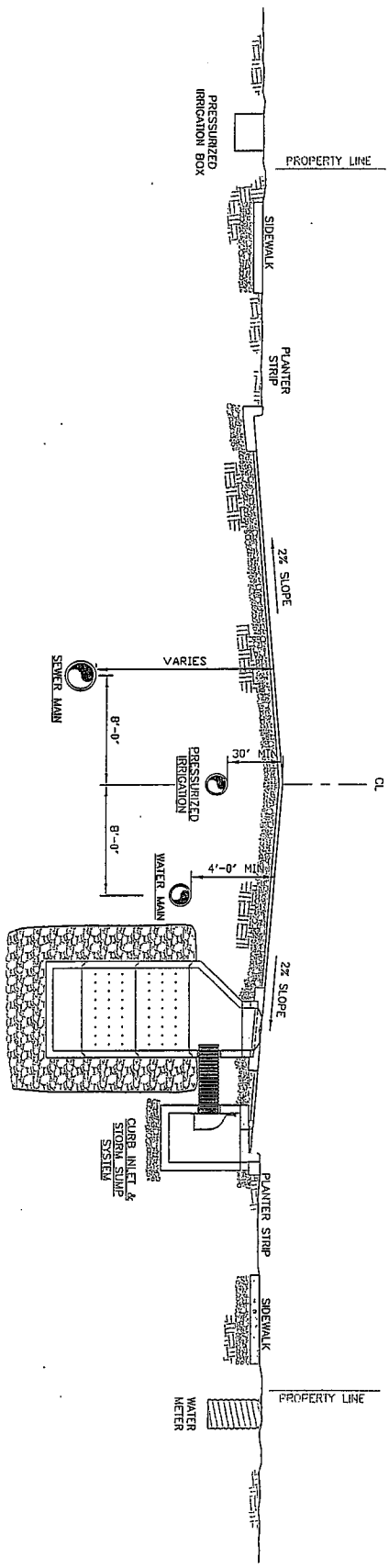
- NOTES:
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  2. IRRIGATION MAINS SHALL BE LOCATED IN THE CENTER OF THE STREET.
  3. THREE WATER VALVES SHALL BE REQUIRED ON A FOUR-WAY STREET INTERSECTION.
  4. TWO WATER VALVES SHALL BE REQUIRED ON A THREE-WAY STREET INTERSECTION.
  5. ALL VALVES SHALL BE LOCATED IN LINE WITH THE PROPERTY LINE, NEVER IN CONCRETE CROSS CUTTER.
  6. VALVES SHALL BE LOCATED ON THE NORTH & EAST SIDES OF THE STREET.
  7. SEWER MAINS SHALL BE LOCATED ON THE SOUTH & WEST SIDES OF THE STREET.
  8. ADV RAMPERS SHALL BE PLACED ON ALL CORNERS.
  9. AS A GENERAL RULE, LOCATE STREET LIGHTS ON THE OPPOSITE CORNER FROM HYDRANTS.
  10. ATTACH STREET SIGNS TO STREET LIGHTS.

<p>DESIGNED BY: DST DRAWN BY: DST CHECKED BY: DST DATE: 12/1/05 SCALE: NTS</p>	<p><b>Santaquin City</b> 45 West 100 South Santaquin City, Utah 84655 Tel: (801) 754-3211 Fax: (801) 754-3526</p>		<p><b>SANTAQUIN CITY CONSTRUCTION STANDARDS</b></p> <p>STREET UTILITY LOCATIONS W/ PLANTER STRIP</p>
<p>DRAWING NO. <b>UT2</b></p> <p>SHEET NO. <b>2 of 56</b></p>			



STREET UTILITY LOCATIONS SECTION  
NOT TO SCALE

SHEET NO. <span style="font-size: 2em; font-weight: bold;">UT3</span> <span style="font-size: 1.5em; font-weight: bold;">3 of 56</span>	<b>Santaquin City</b> 45 West 100 South Santaquin City, Utah 84655 Tel: (801) 754-3211 Fax: (801) 754-3526		<b>SANTAQUIN CITY CONSTRUCTION STANDARDS</b>  STREET UTILITY LOCATIONS SECTION
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**STREET UTILITY LOCATIONS W/ PLANTER SECTION**  
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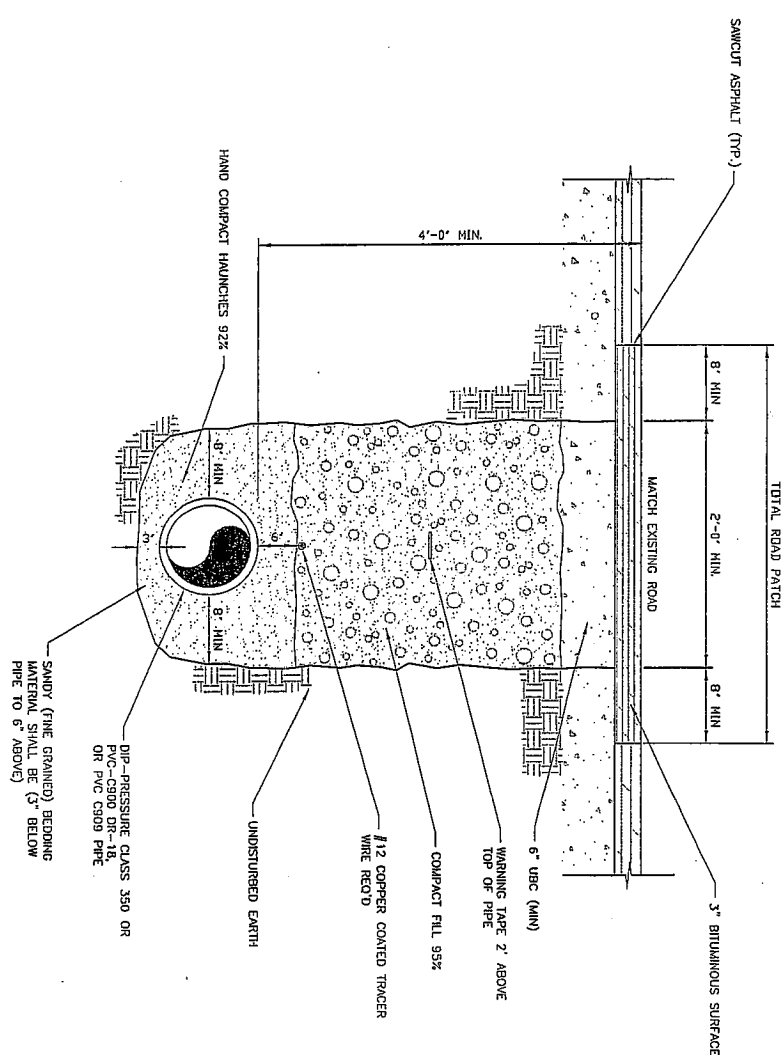


STREET UTILITY LOCATIONS W/ PLANTER SECTION

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DRAWING NO.
<b>UT4</b>
SHEET NO.
<b>4 of 56</b>





**TYPICAL WATER TRENCH**  
NOT TO SCALE

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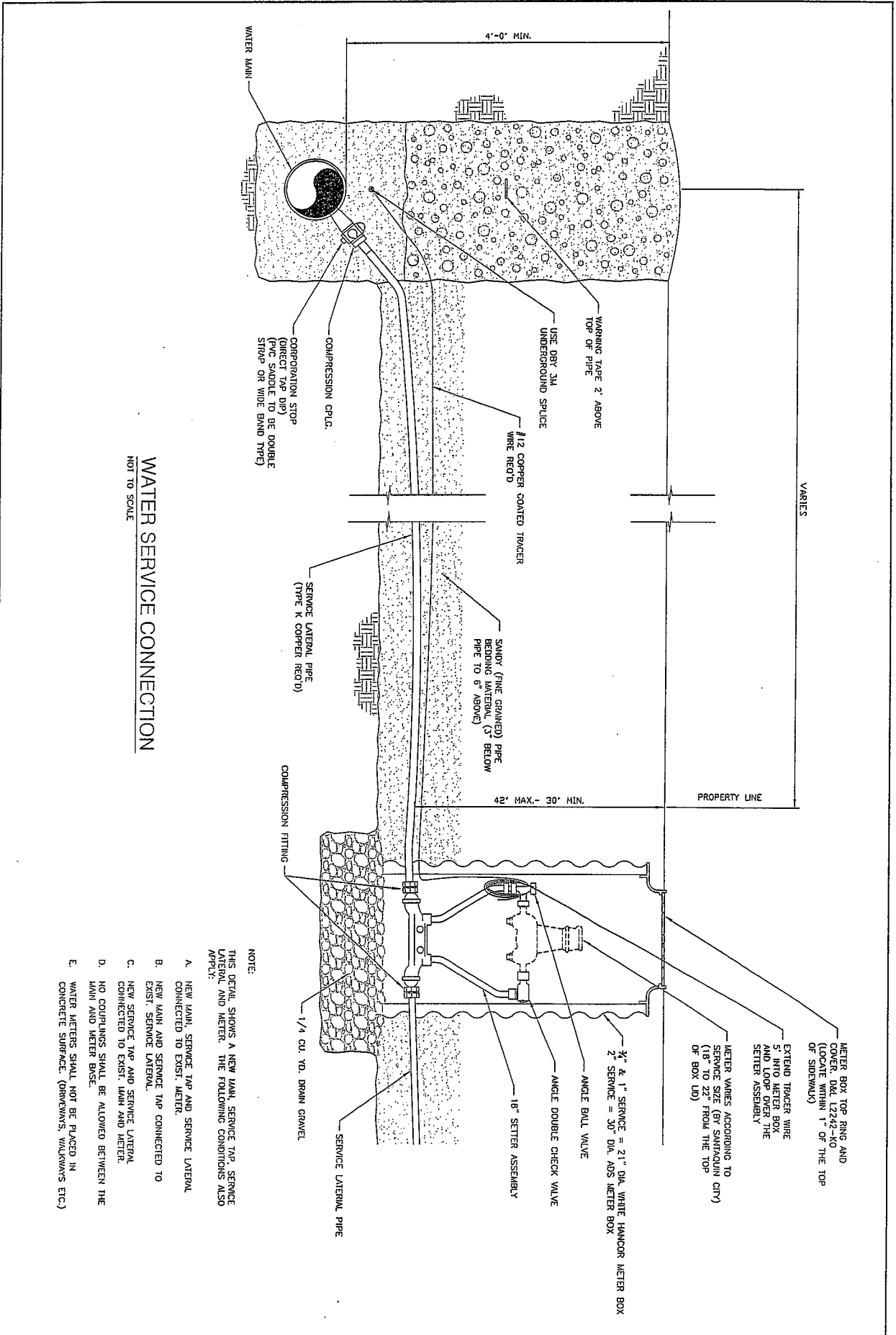


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TYPICAL WATER TRENCH


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SCALE: NTS  
DRAWING NO. **W 1**

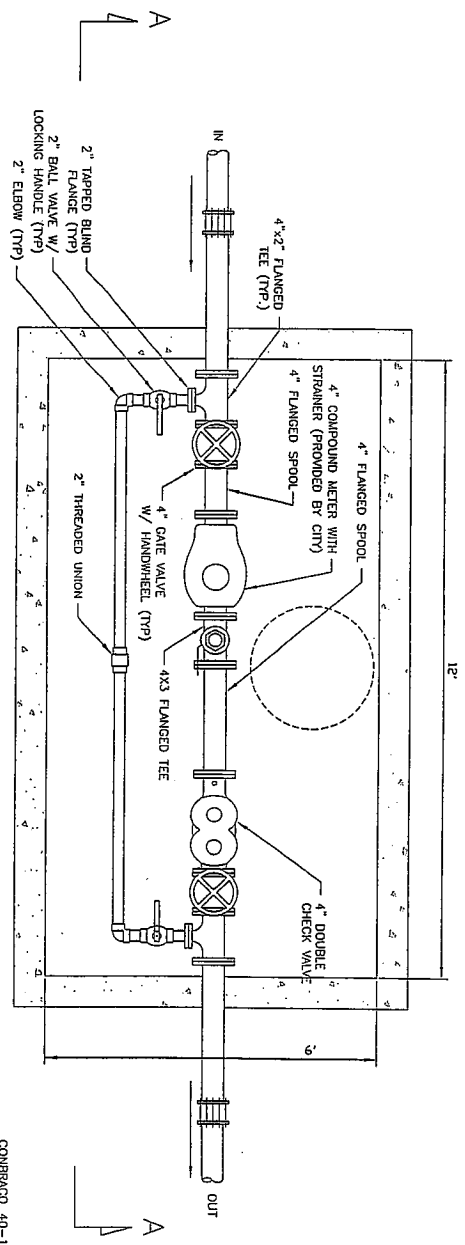
SHEET NO.  
**5 of 56**



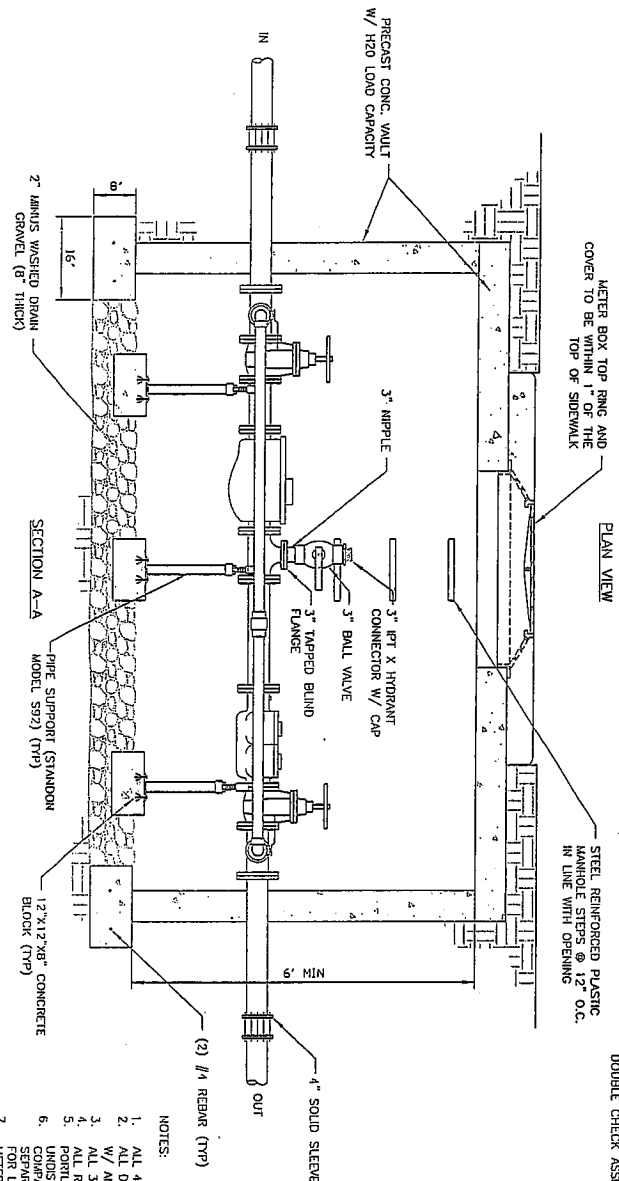
**WATER SERVICE CONNECTION**  
NOT TO SCALE

- NOTE:  
THIS DETAIL SHOWS A NEW MAIN SERVICE TAP, SERVICE LATERAL AND METER. THE FOLLOWING CONDITIONS ALSO APPLY:
- A. NEW MAIN, SERVICE TAP AND SERVICE LATERAL CONNECTED TO EXIST. METER.
  - B. NEW MAIN AND SERVICE TAP CONNECTED TO EXIST. SERVICE LATERAL.
  - C. NEW SERVICE TAP AND SERVICE LATERAL CONNECTED TO EXIST. MAIN AND METER.
  - D. NO COUPLINGS SHALL BE ALLOWED BETWEEN THE MAIN AND METER BASE.
  - E. WATER METERS SHALL NOT BE PLACED IN CONCRETE SURFACE. (DRIVEWAYS, WALKWAYS ETC.)

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<p>DESIGNED BY: DST DRAWN BY: DST CHECKED BY: DST DATE: 12/1/05 SCALE: NTS DRAWING NO. <b>W2</b></p>	<p>SHEET NO. <b>6 of 56</b></p>		




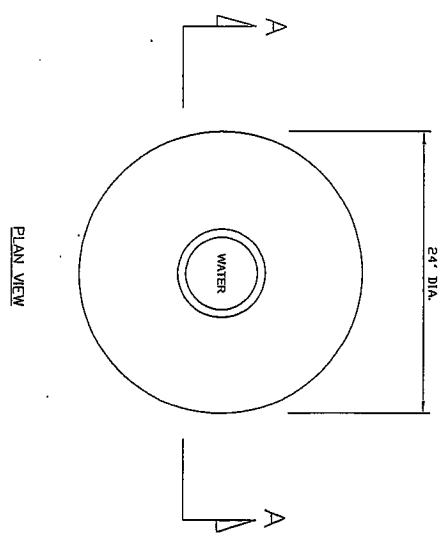
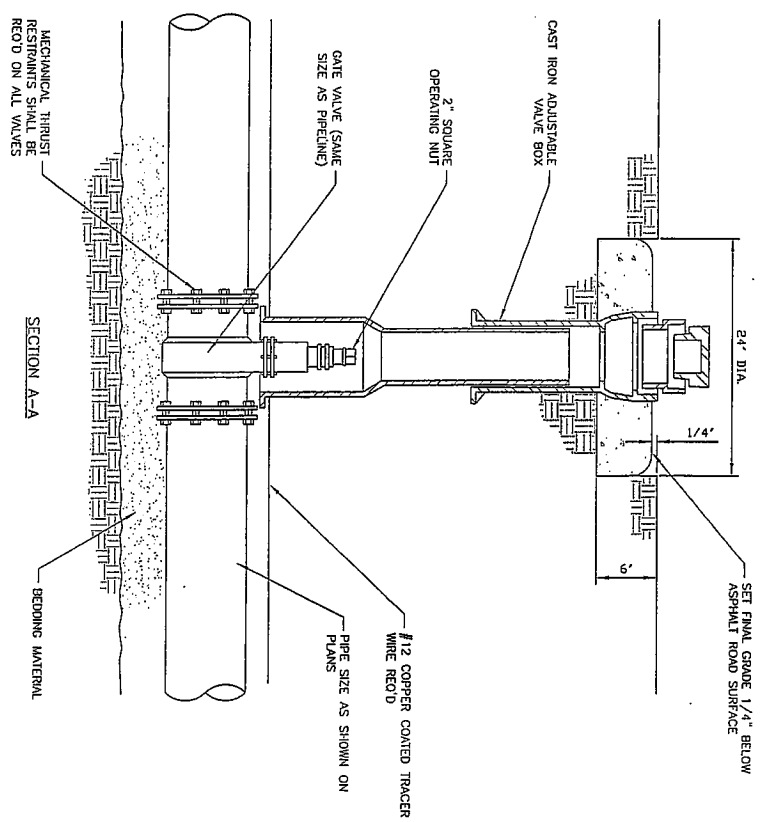
CONRAGO 40-10A-02  
DOUBLE CHECK ASSEMBLY




4" WATER SERVICE CONNECTION  
NOT TO SCALE

- NOTES:
1. ALL 4" PIPE AND FITTINGS SHALL BE DUCTILE IRON.
  2. ALL DUCTILE IRON PIPING AND FITTINGS SHALL BE PAINTED W/ AN NSF APPROVED EPOXY BASED PAINT
  3. ALL 3" & 2" PIPE AND FITTINGS SHALL BE BRASS
  4. ALL REBAR SHALL HAVE 30" OVERLAPS; BE POURED ON UNDISTURBED SOIL 3/4" CRUSHED GRAVEL, OR COMPACTED UNTREATED ROAD BASE.
  5. SEPARATE DRAWINGS MUST BE SUBMITTED FOR APPROVAL FOR LARGER WATER SERVICES.
  6. METER BOXES SHALL BE PLACED IN LANDSCAPE AREAS.
  7. (2) 1/4 REBAR (TYP)

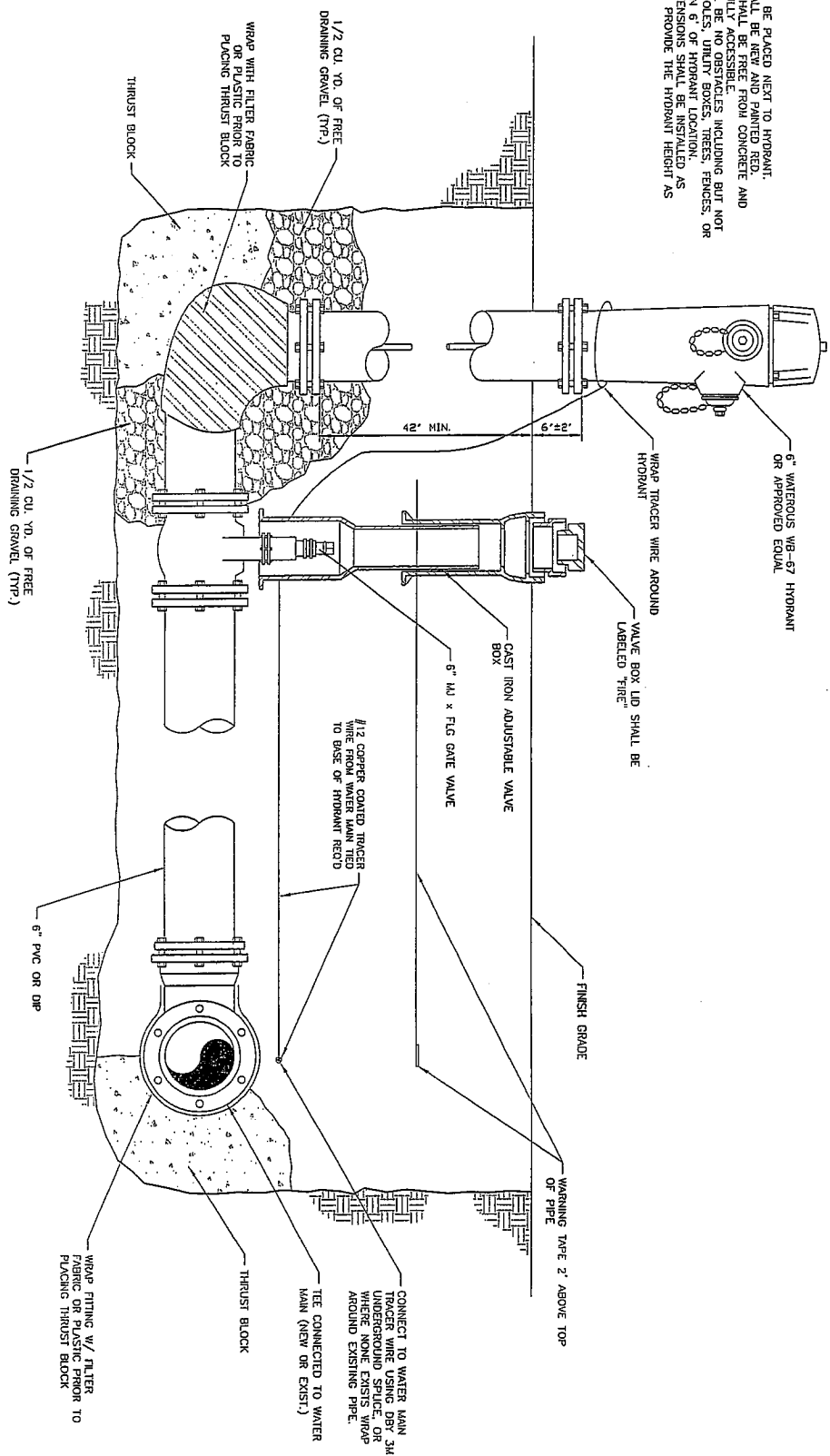
	<p><b>SANTAQUIN CITY</b> CONSTRUCTION STANDARDS</p> <p>45 West 100 South Santaquin City, Utah 84655 Tel: (801) 754-3211 Fax: (801) 754-3526</p>	<p>4" WATER SERVICE CONNECTION</p>
<p>SHEET NO. <b>W3</b></p>	<p>DESIGNED BY: OBT DRAWN BY: OBT CHECKED BY: OBT DATE: 12/1/05 SCALE: NTS</p>	<p>7 of 56</p>



**GATE VALVE**  
NOT TO SCALE

SHEET NO. <b>W4</b> 8 of 56	DRAWING NO.	DESIGNED BY: DST CHECKED BY: DST DATE: 12/1/05 SCALE: NTS	DRAWN BY: DST	Santaquin City 45 West 100 South Santaquin City, Utah 84655 Tel: (801) 754-3211 Fax: (801) 754-3528		SANTAQUIN CITY CONSTRUCTION STANDARDS	GATE VALVE
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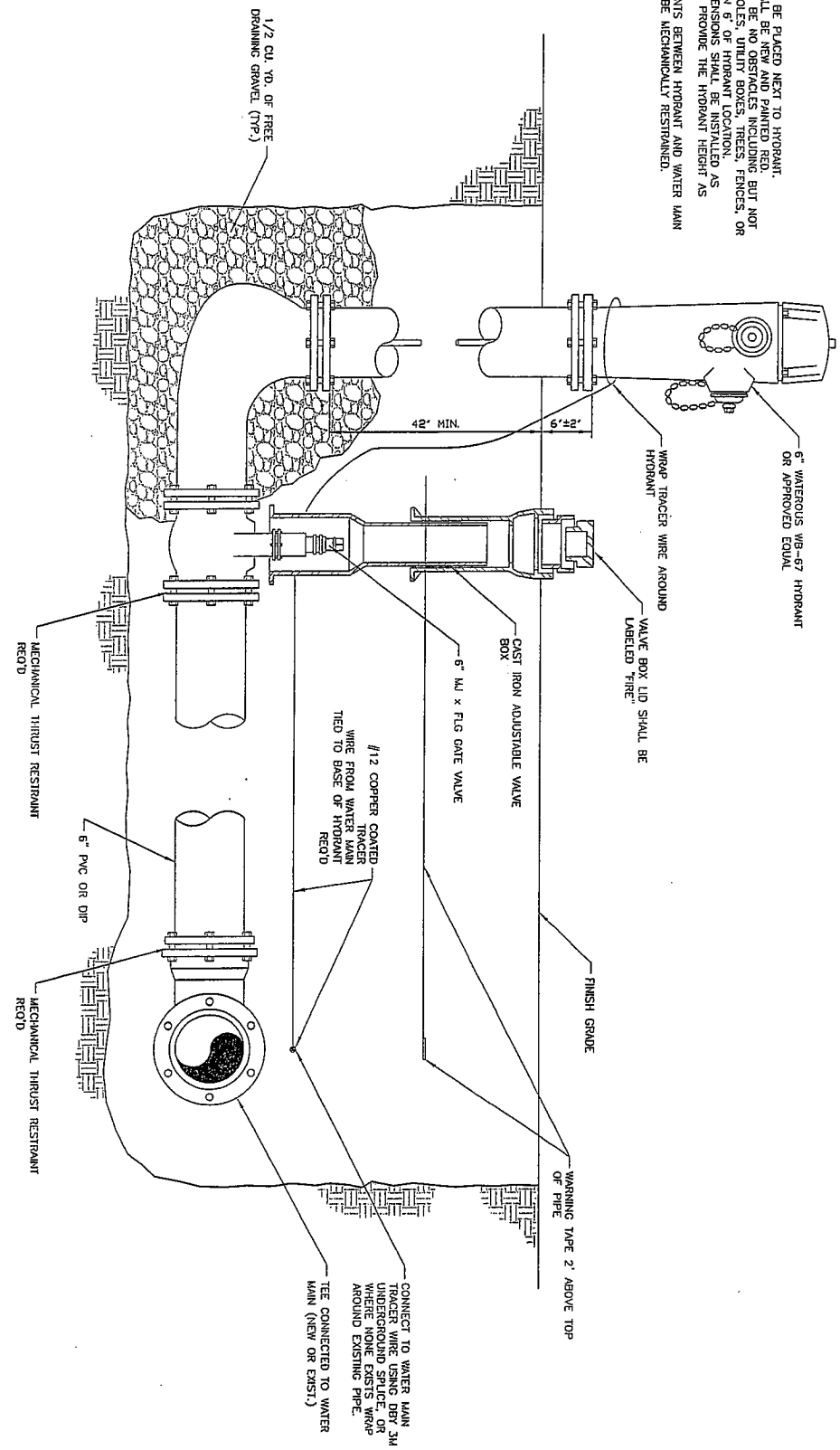
- NOTES:
1. VALVE SHALL BE PLACED NEXT TO HYDRANT.
  2. HYDRANT SHALL BE FULLY ACCESSIBLE.
  3. ALL BOLTS SHALL BE FREE FROM CONCRETE AND SHALL BE FULLY ACCESSIBLE.
  4. THERE SHALL BE NO OBSTACLES INCLUDING BUT NOT LIMITED TO POLES, UTILITY BOXES, TREES, FENCES, OR WALLS, WITHIN 6' OF HYDRANT LOCATION.
  5. HYDRANT EXTENSIONS SHALL BE INSTALLED AS SHOWN TO PROVIDE THE HYDRANT HEIGHT AS SHOWN.



**FIRE HYDRANT W/ THRUST BLOCKS**  
 NOT TO SCALE

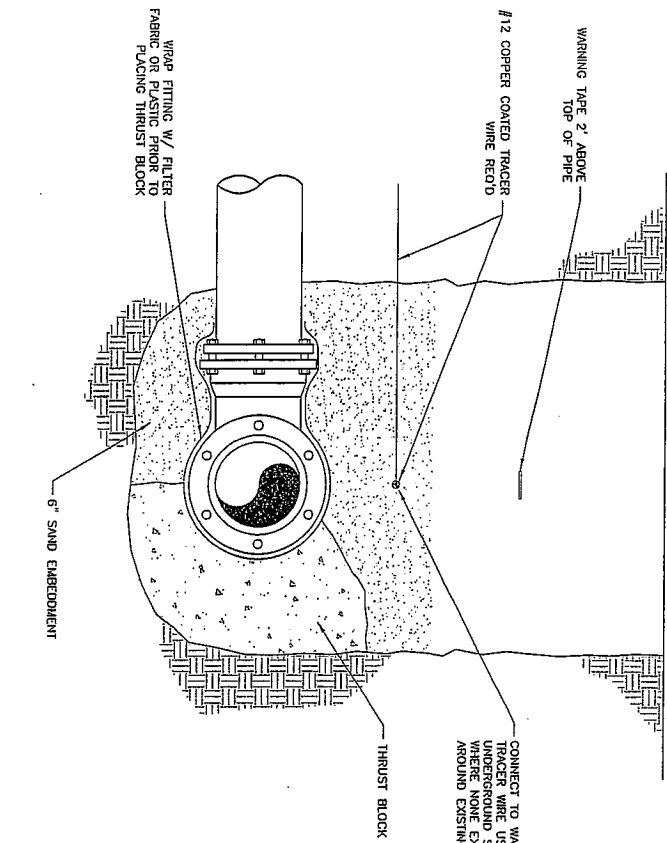
SHEET NO. <b>9 of 56</b>	DRAWING NO. <b>W5</b>	DATE: 12/1/05 SCALE: NTS	CHECKED BY: DST DRAWN BY: DST DESIGNED BY: DST	Santaquin City 45 West 100 South Santaquin City, Utah 84655 Tel: (801) 754-3211 Fax: (801) 754-3526		SANTAQUIN CITY CONSTRUCTION STANDARDS
						FIRE HYDRANT W/ THRUST BLOCKS

- NOTES:
1. VALVE SHALL BE PLACED NEXT TO HYDRANT.
  2. HYDRANT SHALL BE NEW AND PAINTED RED.
  3. THERE SHALL BE NO OBSTACLES INCLUDING BUT NOT LIMITED TO POLES, UTILITY BOXES, TREES, FENCES, OR HOBOES.
  4. HYDRANT EXTENSION SHALL BE INSTALLED AS REQUIRED TO PROVIDE THE HYDRANT HEIGHT AS SHOWN.
  5. ALL PIPE JOINTS BETWEEN HYDRANT AND WATER MAIN SHALL ALSO BE MECHANICALLY RESTRAINED.

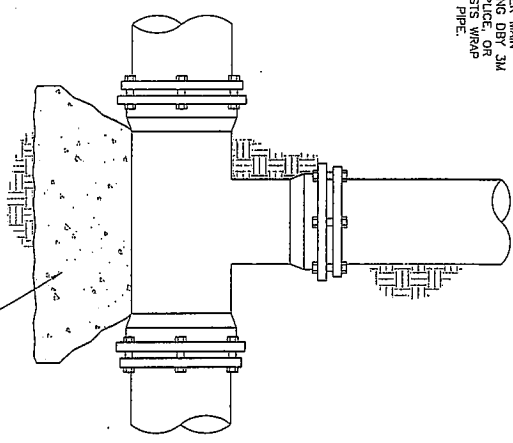


**FIRE HYDRANT W/ MECHANICAL THRUST RESTRAINTS**  
 NOT TO SCALE

<p>10 of 56</p>	<p><b>Santaquin City</b></p> <p>45 West 100 South          Santaquin City, Utah 84655          Tel: (801) 754-3211          Fax: (801) 754-3526</p>		<p><b>SANTAQUIN CITY</b>  <b>CONSTRUCTION STANDARDS</b></p>
	<p><b>WG</b></p> <p>SHEET NO.</p>	<p><b>FIRE HYDRANT W/ MECHANICAL THRUST RESTRAINTS</b></p>	<p><b>SANTAQUIN CITY</b>  <b>CONSTRUCTION STANDARDS</b></p>




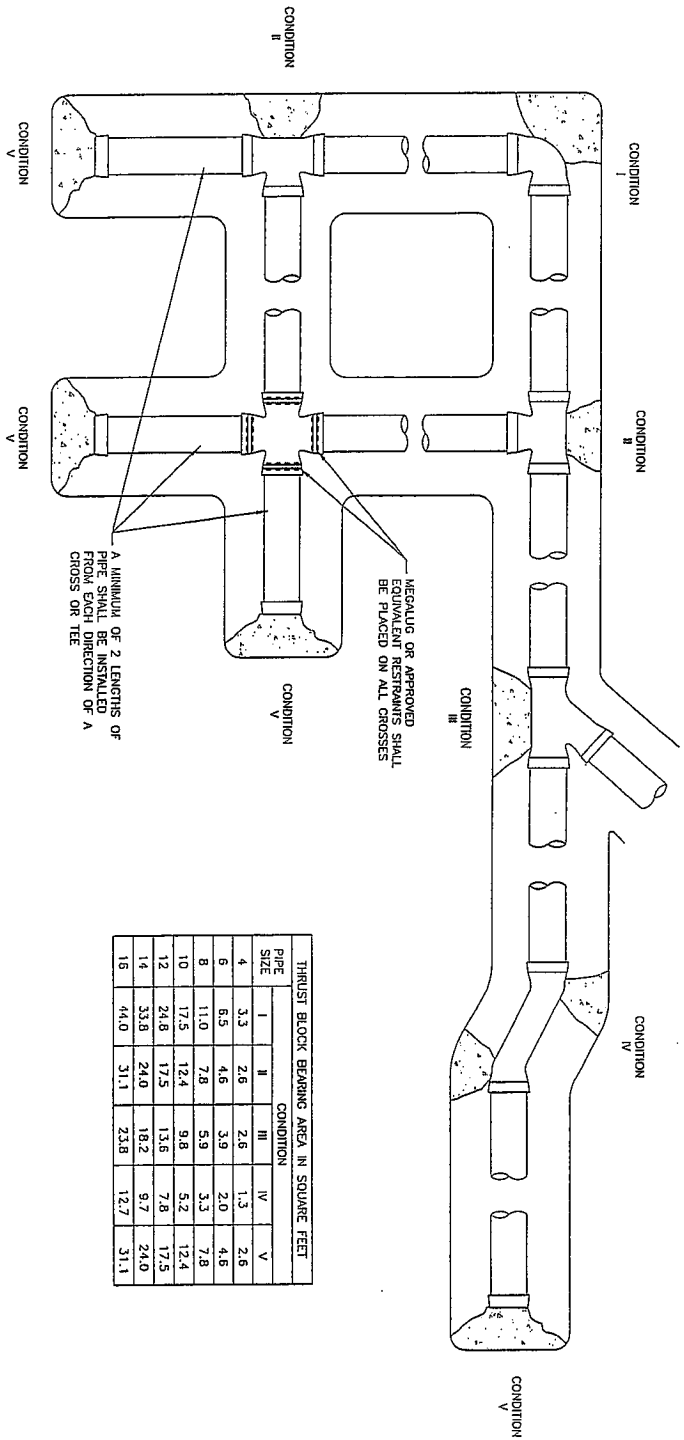
CONNECT TO WATER MAIN TRACER WIRE USING DRY 3M UNDERGROUND SPLICE, OR WHERE NONE EXISTS WRAP AROUND EXISTING PIPE.



THRUST BLOCK (BEARING AREA SHALL BE AS SHOWN ON SHEET WB)

**WATER MAIN TEE**  
NOT TO SCALE

SHEET NO. <b>W7</b> 11 of 56	DRAWING NO. <b>W7</b>	SCALE: NTS DATE: 12/1/05 CHECKED BY: DST DESIGNED BY: DST	<b>Santaquin City</b> 45 West 100 South Santaquin City, Utah 84655 Tel: (801) 754-3211 Fax: (801) 754-3526		<b>SANTAQUIN CITY CONSTRUCTION STANDARDS</b>  WATER MAIN TEE
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PIPE SIZE	THRUST BLOCK BEARING AREA IN SQUARE FEET				
	I	II	III	IV	V
4	3.3	2.6	2.6	1.3	2.6
6	6.5	4.6	3.9	2.0	4.6
8	11.0	7.8	5.9	3.3	7.8
10	17.5	12.4	9.8	5.2	12.4
12	24.8	17.5	13.6	7.8	17.5
14	33.8	24.0	18.2	9.7	24.0
16	44.0	31.1	23.8	12.7	31.1

**THRUST BLOCK DETAILS**  
NOT TO SCALE

- NOTES:
1. ALL THRUST BLOCK BEARING FACES SHALL BE FINISHED TO A TRUE SURFACE AND ALL UNDISTURBED SOIL OR APPROVED COMPACTED BACKFILL.
  2. CONCRETE SHALL BE CLASS 564-C-3000.
  3. THRUST BLOCKS SHALL NOT INTERFERE WITH ACCESS TO THE JOINT.
  4. ALL BOLTS ON MECHANICAL JOINT FITTINGS SHALL BE FREE FROM CONCRETE AND FULLY ACCESSIBLE.
  5. ALL MECHANICAL JOINT FITTINGS SHALL BE PLASTIC PRIOR TO PLACING THRUST BLOCK.

SANTAQUIN CITY  
CONSTRUCTION STANDARDS

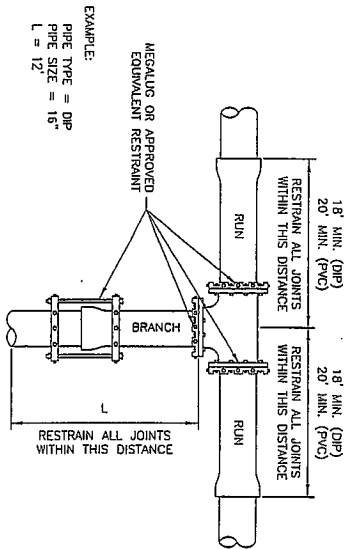


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Santaquin City, Utah 84655  
Tel: (801) 754-3211  
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SHEET NO.  
**W8**  
12 of 56





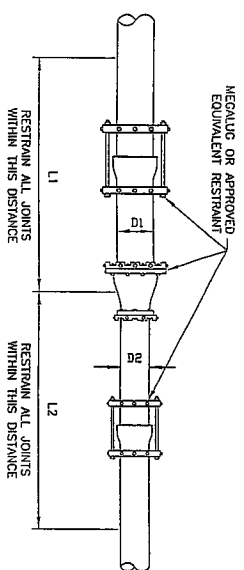
EXAMPLE:  
 PIPE TYPE = DIP  
 PIPE SIZE = 18"  
 L = 12'

BRANCH DIA.	PVC TEE RESTRAINED LENGTHS IN FT.									
	4	6	8	10	12	14	16	18	20	24
4	*	*	*	*	*	*	*	*	*	*
6	*	*	*	*	*	*	*	*	*	*
8	*	*	*	*	*	*	*	*	*	*
10	*	*	*	*	*	*	*	*	*	*
12	*	*	*	*	*	*	*	*	*	*
14	*	*	*	*	*	*	*	*	*	*
16	*	*	*	*	*	*	*	*	*	*
18	*	*	*	*	*	*	*	*	*	*
20	*	*	*	*	*	*	*	*	*	*
24	*	*	*	*	*	*	*	*	*	*

- NOTES:  
 \* = FOR THIS CONDITION NEED ONLY RESTRAIN THE OUTLETS OF TEE  
 1. RESTRAIN THE THREE MECHANICAL JOINTS ON THE TEE.  
 2. ALL JOINTS WITHIN THE "L" DISTANCE ON THE BRANCH SIDE OF TEE SHALL BE RESTRAINED AND ALL JOINTS WITHIN 20' ON THE RUN SIDE OF THE TEE SHALL BE RESTRAINED.

BRANCH DIA.	DIP TEE RESTRAINED LENGTHS IN FT.									
	4	6	8	10	12	14	16	18	20	24
4	*	*	*	*	*	*	*	*	*	*
6	*	*	*	*	*	*	*	*	*	*
8	*	*	*	*	*	*	*	*	*	*
10	*	*	*	*	*	*	*	*	*	*
12	*	*	*	*	*	*	*	*	*	*
14	*	*	*	*	*	*	*	*	*	*
16	*	*	*	*	*	*	*	*	*	*
18	*	*	*	*	*	*	*	*	*	*
20	*	*	*	*	*	*	*	*	*	*
24	*	*	*	*	*	*	*	*	*	*

- NOTES:  
 \* = FOR THIS CONDITION NEED ONLY RESTRAIN THE OUTLETS OF TEE  
 1. RESTRAIN THE THREE MECHANICAL JOINTS ON THE TEE.  
 2. ALL JOINTS WITHIN THE "L" DISTANCE ON THE BRANCH SIDE OF TEE SHALL BE RESTRAINED AND ALL JOINTS WITHIN 18' ON THE RUN SIDE OF THE TEE SHALL BE RESTRAINED.



EXAMPLE:  
 PIPE TYPE = PVC  
 D1 = 8"  
 D2 = 6"  
 L1 = 5'  
 L2 = 40'

D1/D2	PVC REDUCER RESTRAINED LENGTHS IN FT.									
	4	6	8	10	12	14	16	18	20	24
20/18	42/29	100/52	121/71	128/60	*	*	*	*	*	*
18/16	40/31	88/54	147/75	217/95	297/113	*	*	*	*	*
16/14	37/29	82/55	135/77	197/98	266/117	*	*	*	*	*
14/12	35/20	79/56	128/60	183/100	244/120	*	*	*	*	*
12/10	38/20	77/57	123/80	174/102	233/112	*	*	*	*	*
10/8	34/20	74/57	118/81	161/104	219/124	*	*	*	*	*
8/6	34/20	73/57	111/82	161/104	219/124	*	*	*	*	*
6/4	34/20	70/57	111/82	161/104	219/124	*	*	*	*	*

- NOTES:  
 1. ALL JOINTS WITHIN THE "L" DISTANCE SHALL BE RESTRAINED

DIP SIZE	DIP REDUCER RESTRAINED LENGTHS IN FT.									
	4	6	8	10	12	14	16	18	20	24
20/18	27/18	65/34	110/46	166/58	*	*	*	*	*	*
18/16	26/20	57/35	95/48	140/61	192/73	*	*	*	*	*
16/14	24/19	53/35	87/50	127/63	171/75	*	*	*	*	*
14/12	23/20	51/36	82/51	118/64	158/77	*	*	*	*	*
12/10	23/20	49/37	79/52	112/66	148/91	*	*	*	*	*
10/8	22/19	47/37	76/52	103/67	141/80	*	*	*	*	*
8/6	22/19	47/37	72/51	103/67	141/80	*	*	*	*	*
6/4	22/19	45/37	72/51	103/67	141/80	*	*	*	*	*

- NOTES:  
 1. ALL JOINTS WITHIN THE "L" DISTANCE SHALL BE RESTRAINED

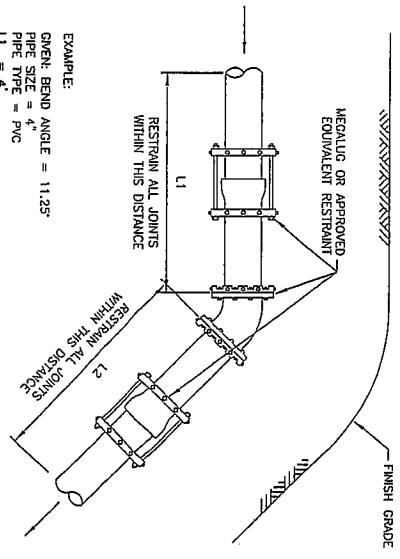
MEGALUG RESTRAINING SYSTEM DETAILS  
 NOT TO SCALE



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DESIGNED BY: OST  
 DRAWN BY: OST  
 CHECKED BY: OST  
 DATE: 12/1/05  
 SCALE: NTS  
 DRAWING NO. W9  
 SHEET NO. 13 of 56

BASED ON:  
 TEST PRESSURE: 200 PSI  
 SOIL TYPE: CA - SILTY GRAVEL,  
 GRAVEL-SAND-SILT MIXTURE  
 BURIAL DEPTH: 4 FT.  
 TRENCH TYPE: 5' PIPE BORED IN  
 UNDER PIPE. 4" DIA. GRANULAR  
 OR SELECT MATERIAL TO TOP OF  
 PIPE. (APPROX. 90% STANDARD  
 PROCTOR, AASHO T-99)  
 SAFETY FACTOR: 1.5  
 \* CALCULATIONS DERIVED FROM EBAN  
 IRON SALES



EXAMPLE:  
 GIVEN: BEND ANGLE = 11.25°  
 PIPE SIZE = 4"  
 PIPE TYPE = PVC  
 L1 = 4'  
 L2 = 1'

PVC VERTICAL BEND RESTRAINED LENGTHS IN FT.  
 (L1 - BEFORE CONNECTION/L2 - AFTER CONNECTION)

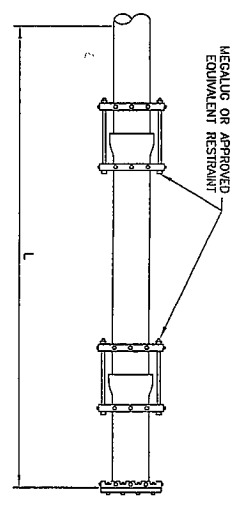
BEND ANGLE	4	6	8	10	12	14	16	18	20
11.25	2/6	3/8	4/10	4/12	5/14	6/15	7/17	7/17	8/20
22.5	4/11	6/15	7/19	9/23	10/27	12/31	13/35	15/40	16/40
45	8/23	12/31	15/40	18/48	21/56	24/64	28/72	30/80	33/80

CALCULATIONS BASED ON THE ELEVATION OF THE PIPE REMAINING CONSISTANT WITH THE CONTOUR OF THE GROUND.

DIP VERTICAL BEND RESTRAINED LENGTHS IN FT.  
 (L1 - BEFORE CONNECTION/L2 - AFTER CONNECTION)

BEND ANGLE	4	6	8	10	12	14	16	20
11.25	3/3	2/5	3/7	3/8	4/8	4/10	5/11	6/13
22.5	3/6	4/10	7/11	7/14	8/16	9/18	10/22	12/25
45	6/14	9/18	12/24	14/28	16/33	19/38	21/43	26/53

CALCULATIONS BASED ON THE ELEVATION OF THE PIPE REMAINING CONSISTANT WITH THE CONTOUR OF THE GROUND.



EXAMPLE:  
 PIPE TYPE = DIP  
 PIPE SIZE = 10"  
 L = 57'

PVC DEAD END RESTRAINED LENGTHS IN FT.

PIPE SIZE	4	6	8	10	12	14	16	18	20
	44	62	82	99	118	135	153	169	187

NOTES:  
 1. ALL JOINTS WITHIN THE "L" DISTANCE SHALL BE RESTRAINED

DIP DEAD END RESTRAINED LENGTHS IN FT.

PIPE SIZE	4	6	8	10	12	14	16	18	20
	23	33	45	52	62	71	80	89	98

NOTES:  
 1. ALL JOINTS WITHIN THE "L" DISTANCE SHALL BE RESTRAINED

MEGALUG RESTRAINING SYSTEM DETAILS  
 NOT TO SCALE

SANTAQUIN CITY  
 CONSTRUCTION STANDARDS

MEGALUG RESTRAINING SYSTEM DETAILS

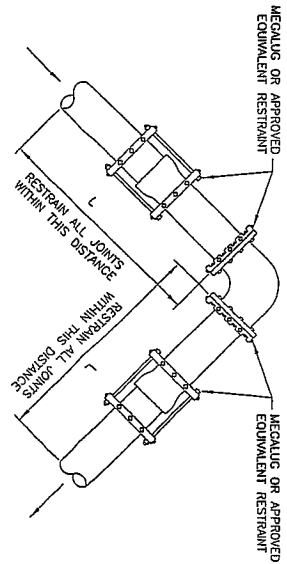


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 SCALE: NTS

W10  
 SHEET NO. 14 of 56

BASED ON:  
 TEST PRESSURE: 200 PSI  
 SOIL TYPE: GM - SILTY GRAVEL,  
 GRAVEL-SAND-SILT MIXTURE  
 BURIAL DEPTH: 4 FT.  
 TRENCH TYPE: 5 - PIPE BEDDED IN  
 COMPACTED GRANULAR MATERIAL TO  
 THE CENTER LINE OF PIPE, 4" MIN.  
 UNDER PIPE, COMPACTED GRANULAR  
 OR SELECT MATERIAL TO TOP OF  
 PIPE. (APPROX. 90% STANDARD  
 PROCTOR, MSH10 1-99)  
 SAFETY FACTOR: 1.5  
 \* CALCULATIONS DERIVED FROM EBMA  
 IRON SALES



EXAMPLE:  
 GIVEN: BEND ANGLE = 45°  
 PIPE SIZE = 6"  
 PIPE TYPE = PVC  
 L = 8

BEND ANGLE	PIPE SIZE	RESTRAINED LENGTHS IN FT.
4	6	8
6	8	10
8	10	12
10	12	14
12	14	16
14	16	18
16	18	20
18	20	28
20	28	37
28	37	44
37	44	52
44	52	59
52	59	67
59	67	73
67	73	81

NOTES:  
 1. ALL JOINTS WITHIN THE "L" DISTANCE SHALL BE RESTRAINED.

BEND ANGLE	PIPE SIZE	RESTRAINED LENGTHS IN FT.
4	6	8
6	8	10
8	10	12
10	12	14
12	14	16
14	16	18
16	18	20
18	20	28
20	28	37
28	37	44
37	44	52
44	52	59
52	59	67
59	67	73
67	73	81

NOTES:  
 1. ALL JOINTS WITHIN THE "L" DISTANCE SHALL BE RESTRAINED.

**MEGALUG RESTRAINING SYSTEM DETAILS**  
 NOT TO SCALE

**BASED ON:**

TEST PRESSURE: 200 PSI  
 SOIL TYPE: CM - SILTY GRAVEL  
 GRAVEL-SAND-SILT MIXTURE  
 BURIAL DEPTH: 4 FT.  
 TRENCH TYPE: 5 - PIPE BEDDED IN COMPACTED GRANULAR MATERIAL TO THE CENTER LINE OF PIPE, 4" MIN. UNDER PIPE, COMPACTED GRANULAR OR SELECT MATERIAL TO TOP OF PIPE. (APPROX. 90% STANDARD PROCTOR, AASHTO 1-99)  
 SAFETY FACTOR: 1.5  
 \* CALCULATIONS DERIVED FROM EBMA IRON SALES

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 CONSTRUCTION STANDARDS

MEGALUG RESTRAINING SYSTEM DETAILS

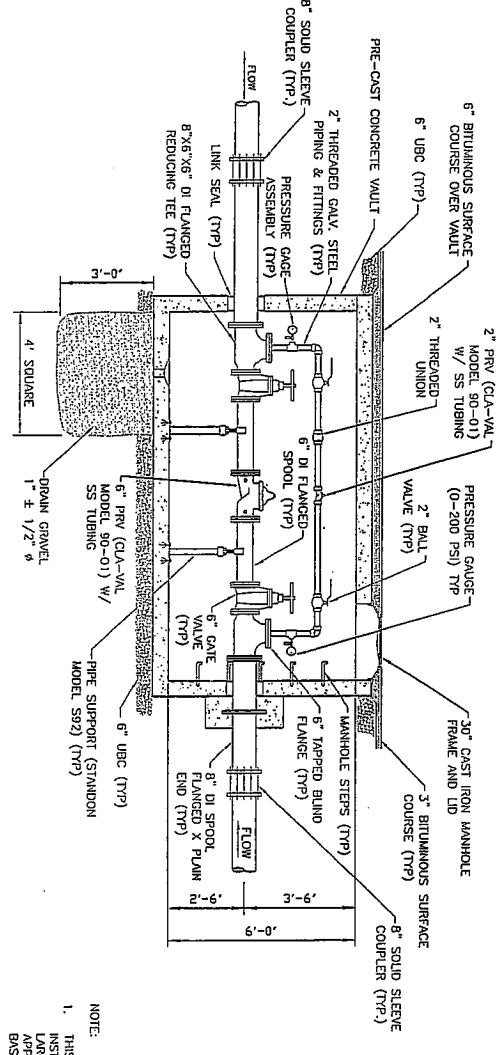
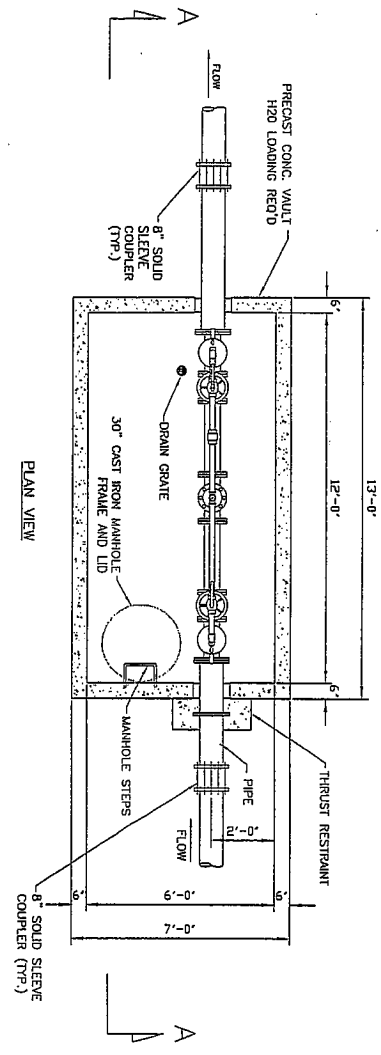


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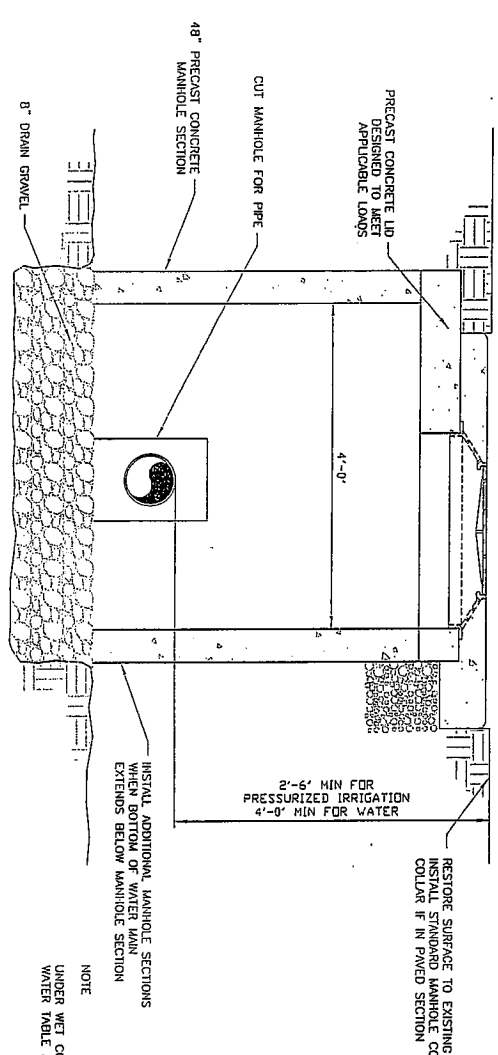
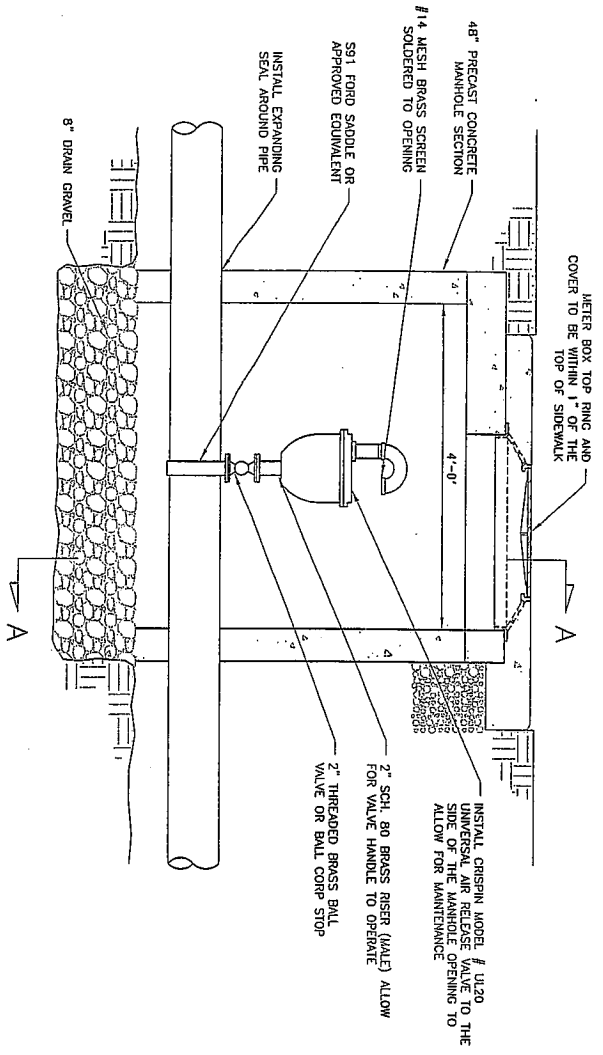
15 of 56



**PRV DETAILS**  
NOT TO SCALE

- NOTE:
1. THIS DETAIL SHOWS THE REQUIREMENTS FOR A PRV INSTALLATION IN AN 8" MAIN. PRV REQUIREMENTS FOR LARGER MAINS WILL NEED TO BE REVIEWED AND APPROVED BY THE CITY ENGINEER ON A CASE BY CASE BASIS.
  2. ALL PRV VALVES SHALL BE INSTALLED WITH STAINLESS STEEL TUBING ASSEMBLIES.
  3. ALL PIPING AND FITTINGS IN PRV VAULTS SHALL BE PAINTED WITH AN NSF APPROVED EPOXY BASED PAINT.

<p><b>16 of 56</b> SHEET NO.</p>	<p><b>W12</b> DRAWING NO.</p>	<p><b>Santaquin City</b> 45 West 100 South Santaquin City, Utah 84655 Tel: (801) 754-3211 Fax: (801) 754-3526</p>		<p><b>SANTAQUIN CITY CONSTRUCTION STANDARDS</b></p> <p>PRV DETAILS</p>
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**COMBINATION AIR, VACUUM RELEASE VALVE**  
NOT TO SCALE

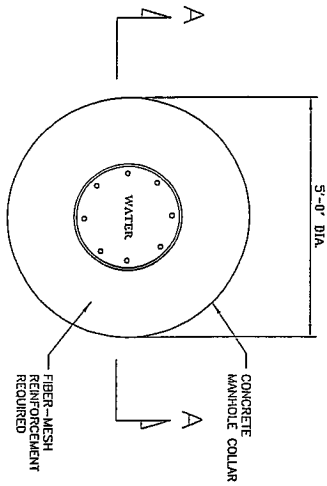
NOTE  
UNDER WET CONDITIONS INSTALL A DRAIN ABOVE THE WATER TABLE AND BELOW THE VALVE.

INSTALL ADDITIONAL MANHOLE SECTIONS WHEN BOTTOM OF WATER MAIN EXTENDS BELOW MANHOLE SECTION

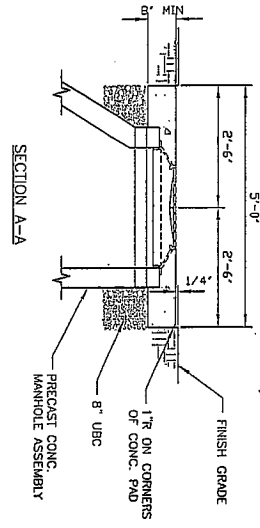
2'-6" MIN FOR PRESSURIZED IRRIGATION  
4'-0" MIN FOR WATER

RESTORE SURFACE TO EXISTING CONDITION.  
INSTALL STEEL BAND LAMINATED CONCRETE COLLAR IF IN PAVED SECTION

SHEET NO. <b>17056</b>	DRAWING NO. <b>W13</b>	DATE: 12/1/05 SCALE: NTS	DESIGNED BY: OSF DRAWN BY: OSF CHECKED BY: OSF	<b>Santaquin City</b> 45 West 100 South Santaquin City, Utah 84055 Tel: (801) 754-3211 Fax: (801) 754-3528		<b>SANTAQUIN CITY</b> <b>CONSTRUCTION STANDARDS</b>
						COMBINATION AIR, VACUUM & RELEASE VALVE



PLAN VIEW



SECTION A-A

**CONCRETE MANHOLE COLLAR**  
NOT TO SCALE

- NOTES:
- EXCAVATIONS FOR CONCRETE COLLARS SHALL HAVE VERTICAL SIDE WALLS & FLAT BOTTOMS.
  - INSTALL CONCRETE COLLAR RECESSED 1/2" BELOW THE FINISH GRADE OF THE ROADWAY.

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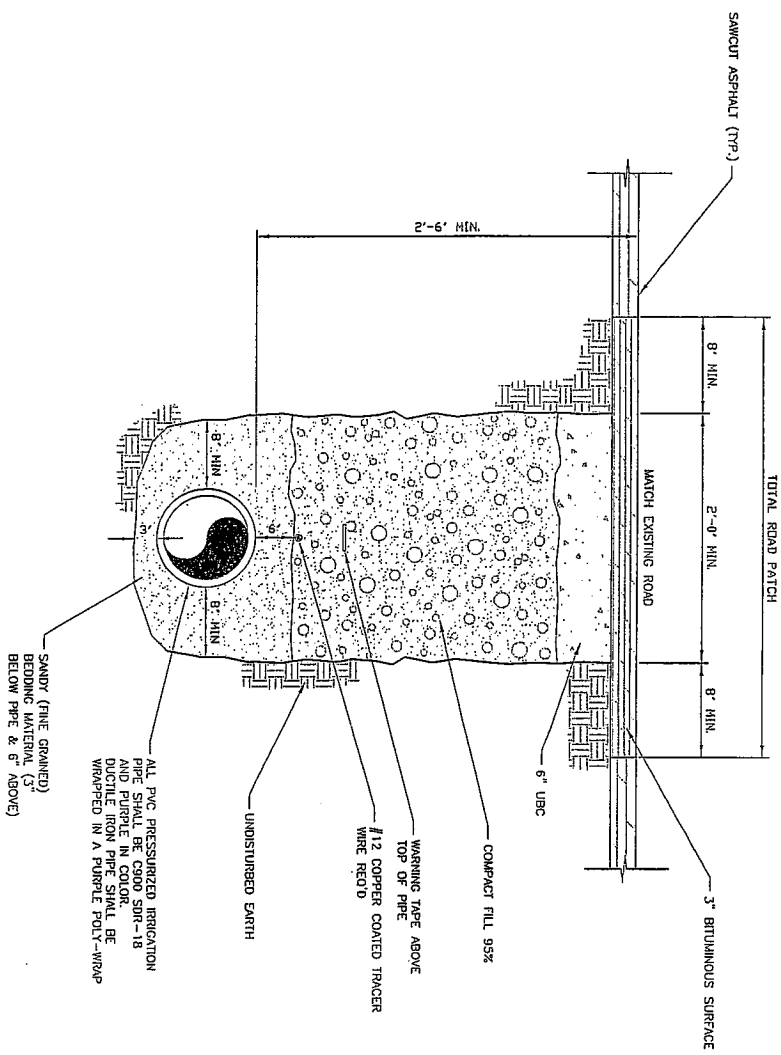
CONCRETE MANHOLE COLLAR



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TYPICAL IRRIGATION TRENCH  
NOT TO SCALE

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TYPICAL IRRIGATION TRENCH

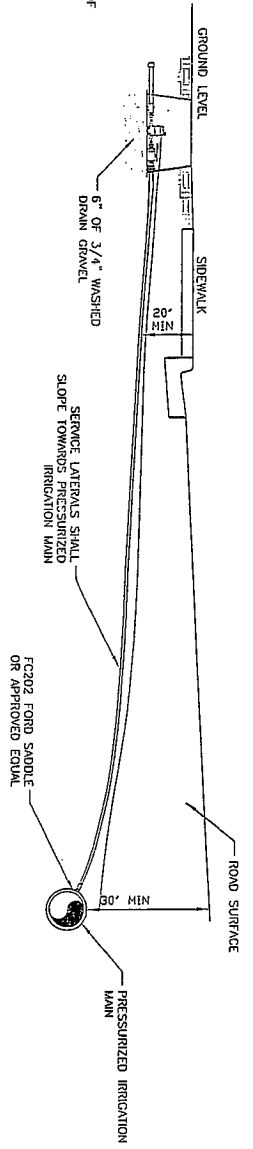


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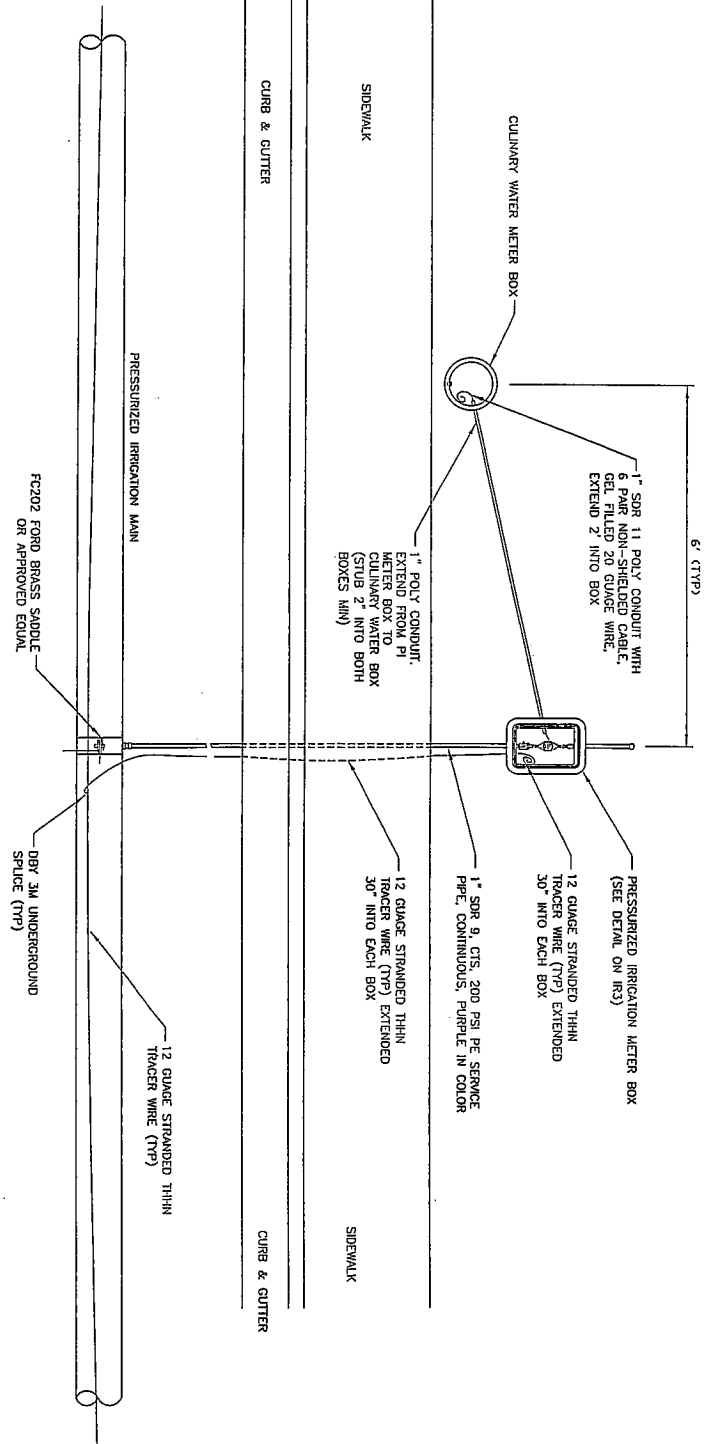
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DRAWN BY: DSF	DATE: 12/1/05
CHECKED BY: DSF	DRAWING NO. P11
SHEET NO. 19 of 56	

- NOTES:
1. STAINLESS STEEL LINER INSERTS WILL BE REQUIRED INSIDE OF ALL PRESSURIZED MAINS.
  2. ALL PRESSURIZED MAINS SHALL BE INSTALLED WITH SERVICE SIZE CITY SPECS FOR PRESSURIZED IRRIGATION SERVICE BOX.
  3. SERVICE LATERALS SHALL SLOPE TOWARDS PRESSURIZED IRRIGATION MAIN.
  4. SLEEVES SHALL BE REQUIRED WHEN PARK STRIPS ARE PROPOSED FOR THE ROAD SECTION.

**PRESSURIZED IRRIGATION SERVICE LATERAL**  
NOT TO SCALE



**PRESSURIZED IRRIGATION SERVICE LATERAL**



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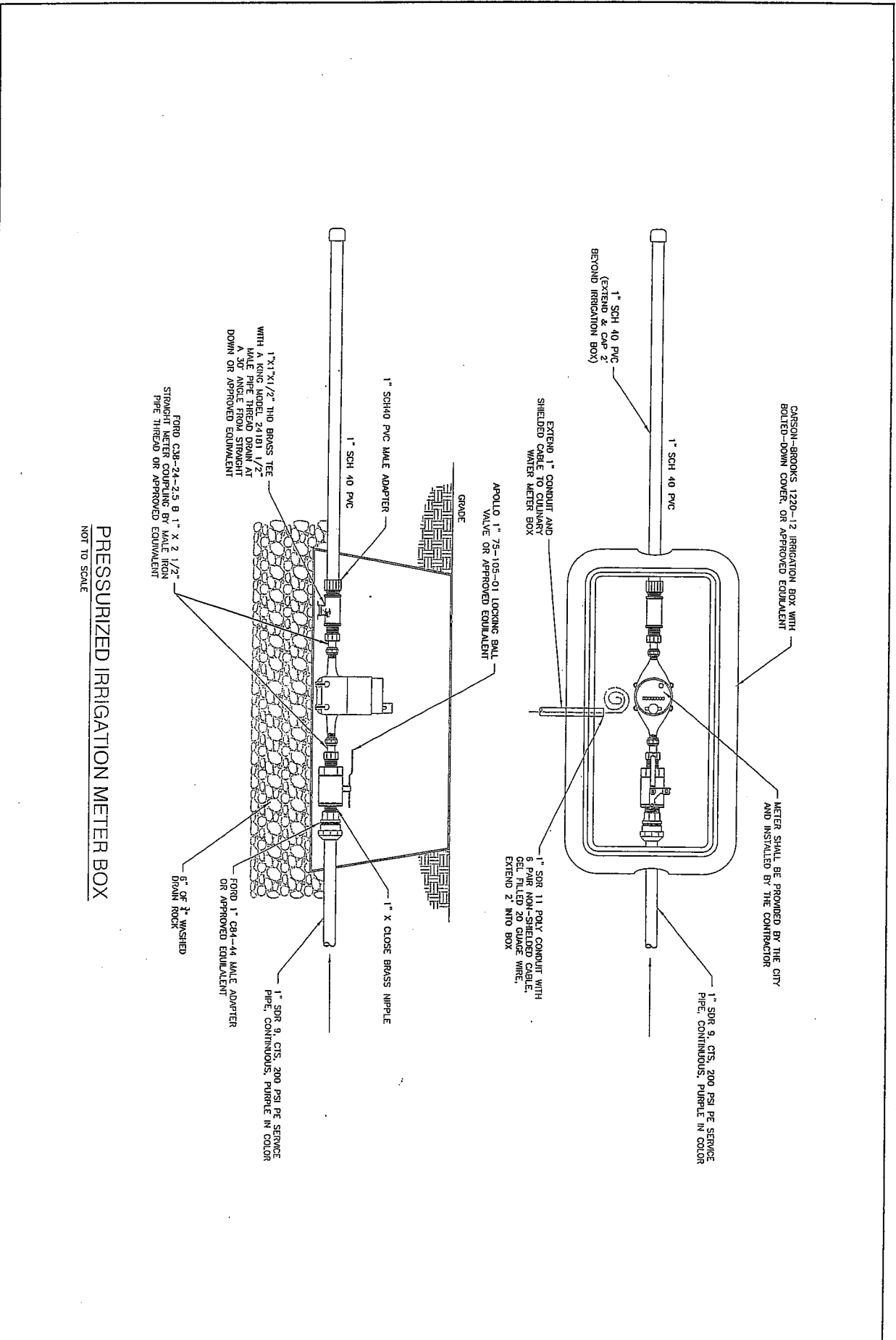
PRESSURIZED IRRIGATION SERVICE LATERAL



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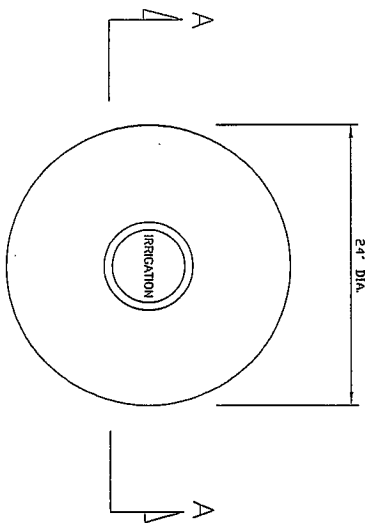
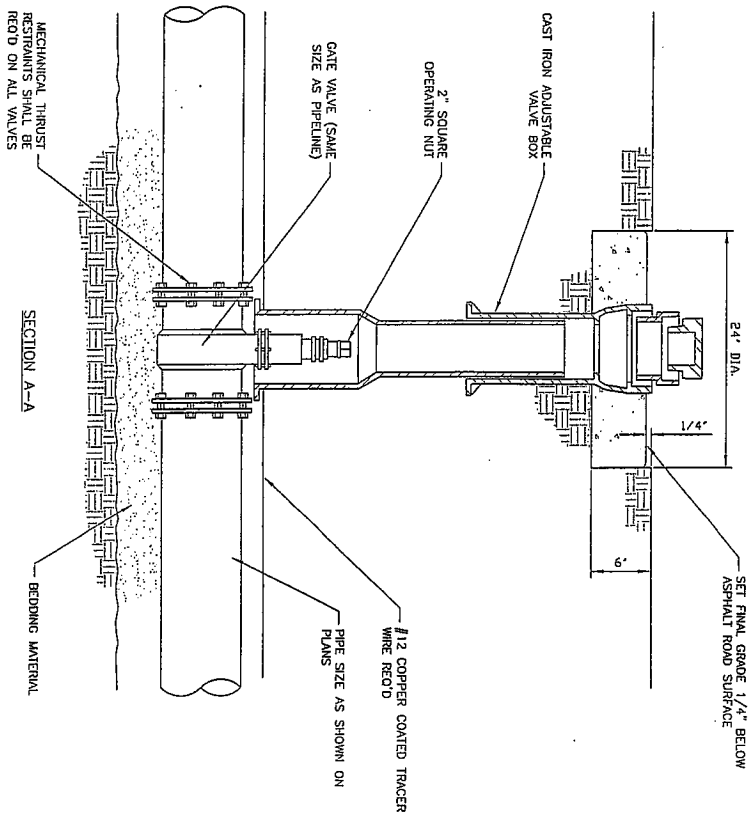
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CHECKED BY: OSF	DATE: 12/1/05	SCALE: NTS	BIRMINGHAM NO.:
SHEET NO.:	20 of 56	P12	





**PRESSURIZED IRRIGATION METER BOX**  
NOT TO SCALE

21 of 56 SHEET NO.	<b>P13</b>	DRAWING NO.	SCALE: NTS	DATE: 12/1/05	CHECKED BY: DSE	DRAWN BY: DSE	DESIGNED BY: DSE
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<b>SANTAQUIN CITY CONSTRUCTION STANDARDS</b> PRESSURIZED IRRIGATION METER BOX							



**GATE VALVE**  
NOT TO SCALE

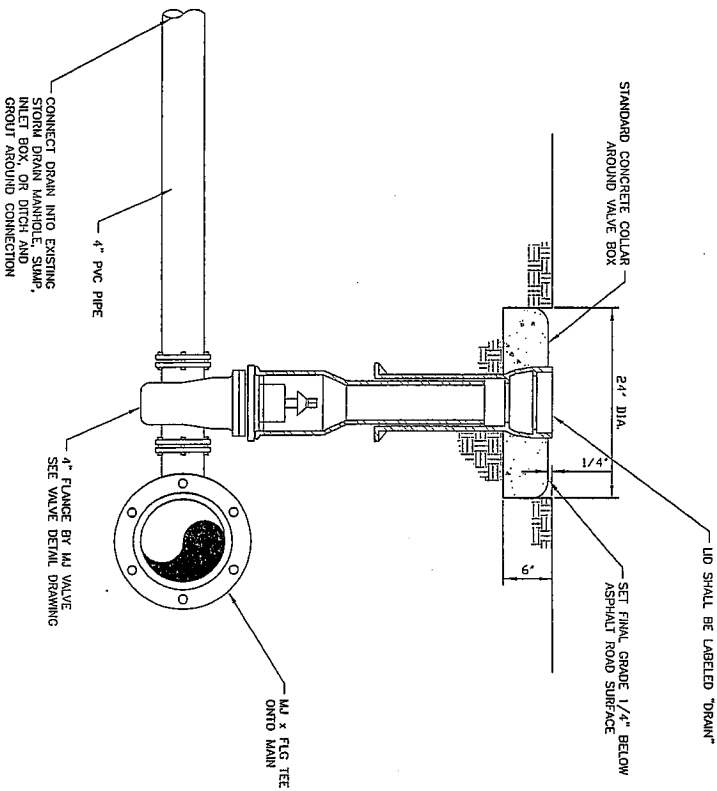
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CONSTRUCTION STANDARDS**

IRRIGATION GATE VALVE




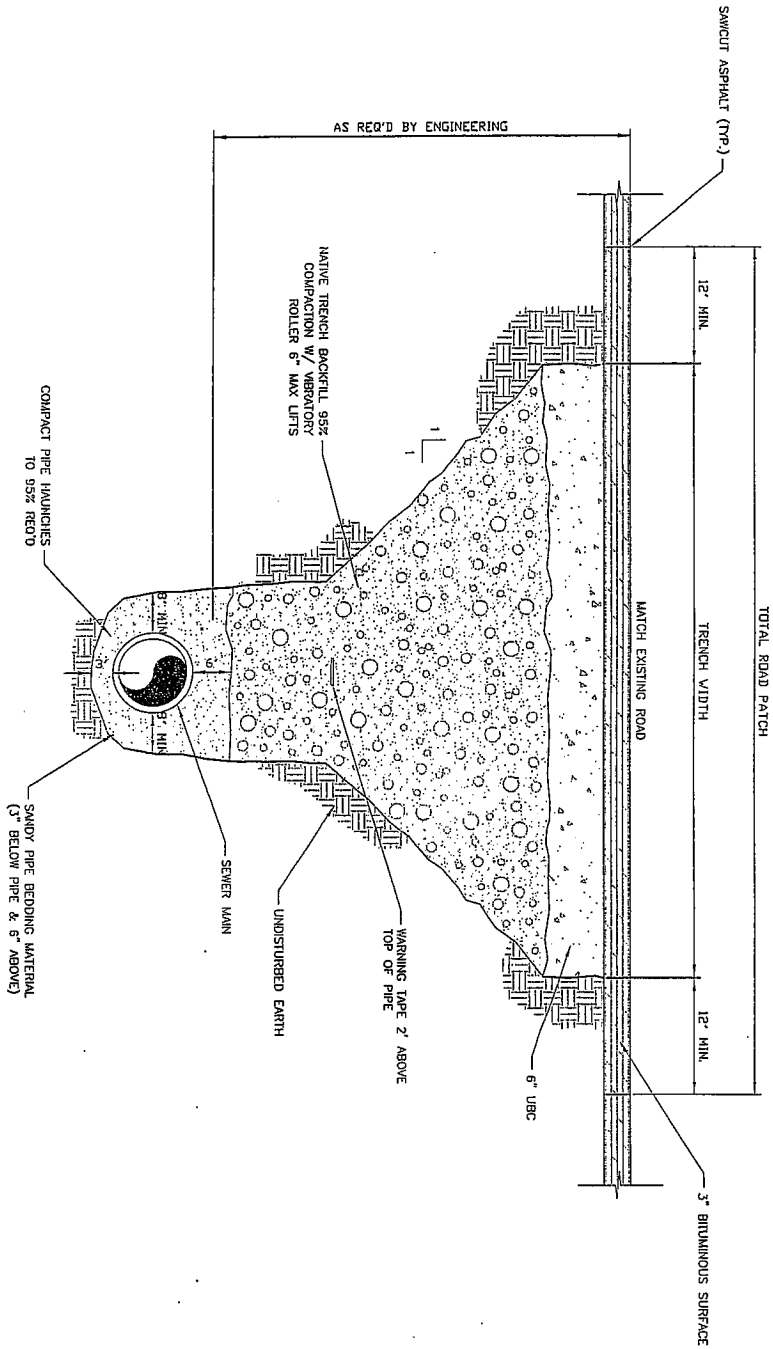
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DESIGNED BY: OSF	DRAWN BY: OSF	CHECKED BY: OSF	DATE: 12/1/05	SCALE: NTS	DRAWING NO.:	SHEET NO.:
						<b>P14</b>
						220156




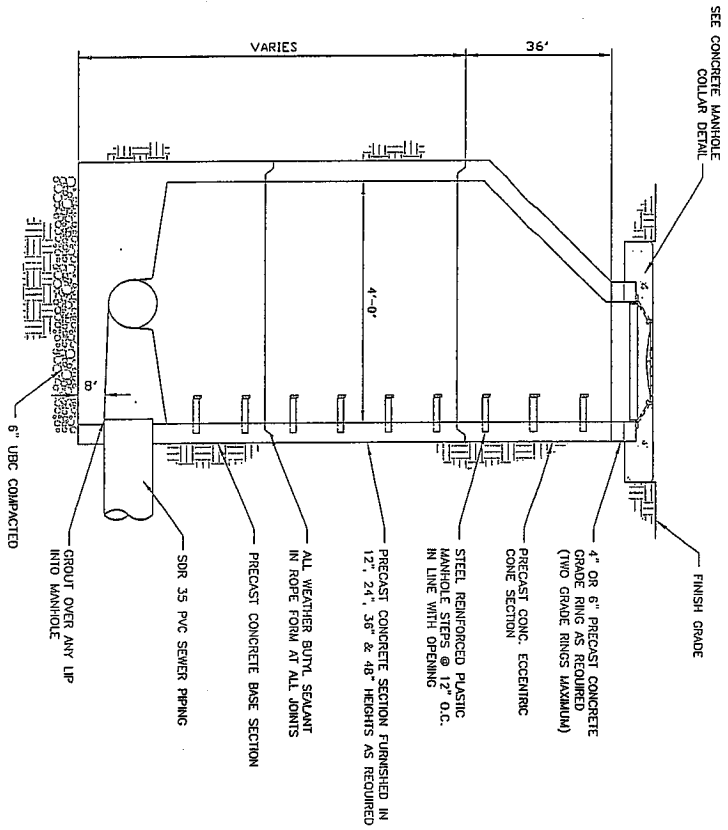
**PRESSURIZED IRRIGATION DRAIN**  
 NOT TO SCALE

23 of 56 SHEET NO.	<b>PI5</b> DRAWING NO.	SCALE: NTS DATE: 12/1/05 CHECKED BY: DST DRAWN BY: DST DESIGNED BY: DST	<b>Santaquin City</b> 45 West 100 South Santaquin City, Utah 84855 Tel: (801) 754-3211 Fax: (801) 754-3528		<b>SANTAQUIN CITY          CONSTRUCTION STANDARDS</b>




TYPICAL SEWER TRENCH  
NOT TO SCALE

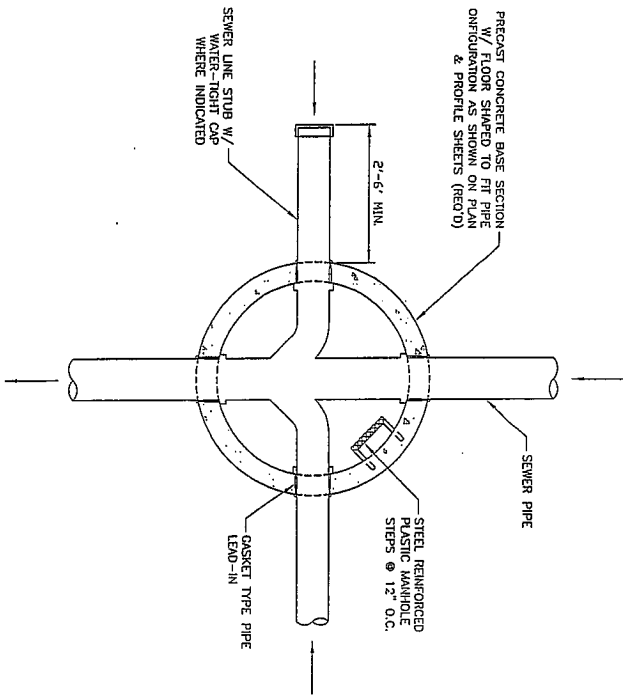
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	TYPICAL SEWER TRENCH	
DESIGNED BY: DSF DRAWN BY: DSF CHECKED BY: DSF DATE: 12/1/05 SCALE: NTS DRAWING NO.	<b>Santaquin City</b> 45 West 100 South Santaquin City, Utah 84655 Tel: (801) 754-3211 Fax: (801) 754-3526	SHEET NO. <b>S1</b> 24 of 56



**TYPICAL SEWER MANHOLE**  
NOT TO SCALE

- NOTES:
1. FLAT LIDS MAY BE USED IN LIEU OF EGGING LIDS, WHEN THE PRESENCE OF A ROADWAY OR OTHER OBSTACLE TO THE LID IS PROVED BY THE CIVIL ENGINEER. FLAT LIDS SHALL BE OF ECCENTRIC DESIGN AND MEET H2O LIVE LOADING.
  2. MANHOLES PLACED IN FIELDS SHALL HAVE SOLID LIDS.
  3. MANHOLES OUTSIDE OF ROADWAYS SHALL BE PLACED 4 INCHES ABOVE GRADE.
  4. PROVIDE A 0.10 FOOT INVERT ELEVATION DROP ACROSS THE MANHOLE (MINIMUM).
  5. 60" MANHOLES SHALL BE REQUIRED WHEN THE SUM OF ALL INLET & OUTLET DIAMETERS IS GREATER THAN 24".
  6. PROVIDE A 9'-0" MINIMUM DEPTH TO FLOWLINE, WHERE POSSIBLE.

25 of 56 SHEET NO.	<b>S2</b> DRAWING NO.	SCALE: NTS DATE: 12/1/05 CHECKED BY: DST DRAWN BY: DST DESIGNED BY: DST	<b>Santaquin City</b> 45 West 100 South Santaquin City, Utah 84655 Tel: (801) 754-3211 Fax: (801) 754-3526		<b>SANTAQUIN CITY CONSTRUCTION STANDARDS</b>  TYPICAL SEWER MANHOLE
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**SEWER MANHOLE**  
NOT TO SCALE

- NOTES:
1. VENTED LIDS SHALL BE RECD. IN ALL PAVED STREETS.
  2. NON-VENTED LIDS SHALL BE RECD. IN ALL OTHER AREAS.
  3. WHERE FIELD CONDITIONS PROHIBIT COMBINATION OF PRECAST CONC. SECTIONS SHOWN, OTHER COMBINATIONS OF PRECAST CONC. SECTIONS MAY BE USED AS PER ENGINEER'S APPROVAL.
  4. CONCRETE COLLARS ARE RECD. ON ALL MANHOLES ALONG STREETS AND RIGHWAYS. THEY ARE NOT RECD. IN AREAS WHERE THE SEWER LINE TRAVERSES NATIVE PASTURELAND OR WHERE OTHERWISE APPROVED BY THE ENGINEER.
  5. CONTRACTOR SHALL RESTORE ROADWAY SURFACE PRIOR TO CONSTRUCTING MANHOLE COLLARS.
  6. CONTRACTOR SHALL PROVIDE BARRICADES AT EACH MANHOLE FOR 7 DAYS AFTER PLACEMENT OF CONCRETE COLLARS.
  7. SEWER MANHOLE BASES SHALL PROVIDE A 0.10 FOOT INVERT ELEVATION DROP ACROSS THE MANHOLE (MINIMUM).

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CONSTRUCTION STANDARDS



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SEWER MANHOLE

SHEET NO.

S3

26 of 56

DRAWING NO.

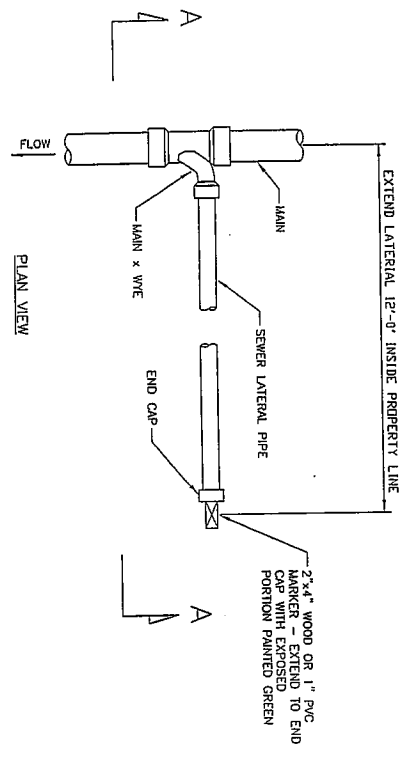
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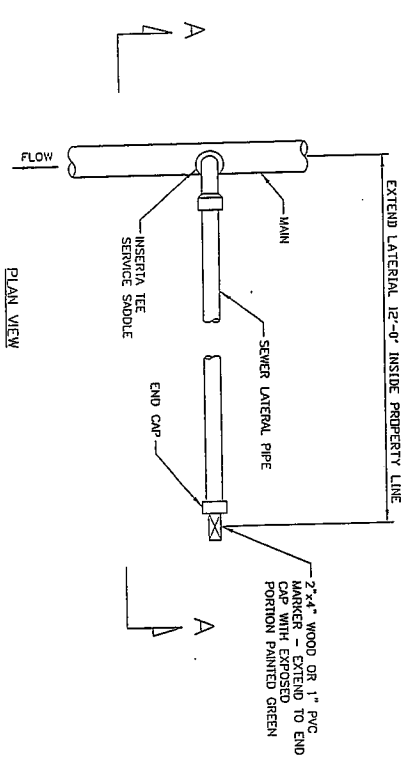
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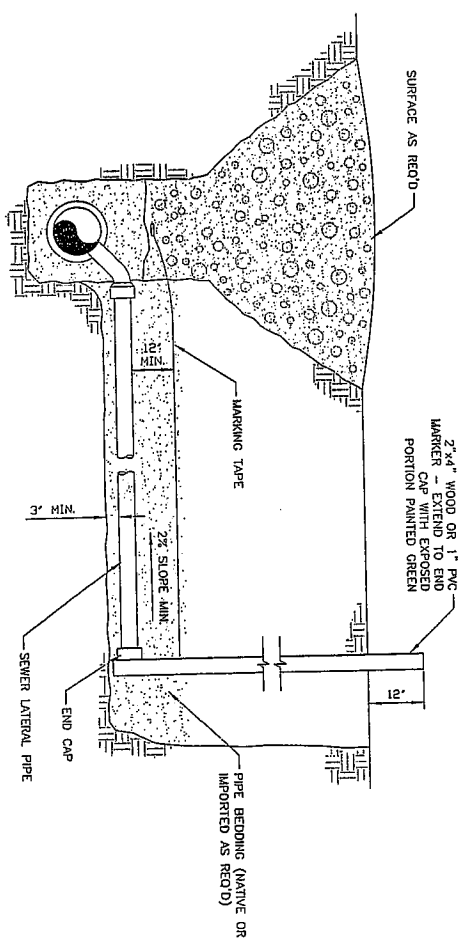
DESIGNED BY: DST



**NEW MAIN NEW LATERAL**



**TAPPING EXISTING MAINS**



**SEWER LATERAL**  
NOT TO SCALE

- NOTES:
1. ANY BEND GREATER THAN 22 1/2° SHALL HAVE A CLEAN OUT.
  2. MINIMUM SLOPE FOR A 4" LATERAL IS 2%.
  3. MINIMUM SLOPE FOR A 6" LATERAL IS 1%.
  4. CONNECTION OF A SERVICE LATERAL TO AN EXISTING MAINLINE SHALL BE ACCOMPLISHED BY MEANS OF A COMPRESSION-FIT SERVICE CONNECTION SPECIFICALLY DESIGNED FOR CONNECTION TO PVC SERVICE PIPE, BY MEANS OF:
    - A. INSERTA TEE AS MANUFACTURED BY INSERTA FITTINGS CO. OR APPROVED EQUAL.

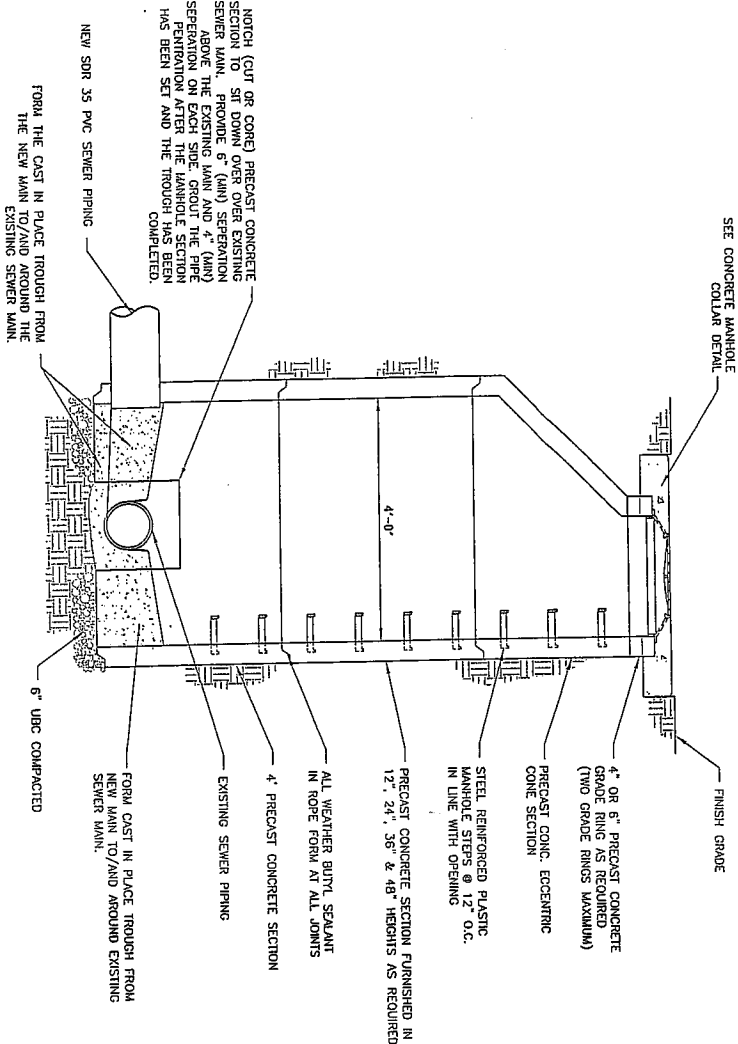
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SEWER LATERAL

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					S4
					27056



**CAST IN PLACE SEWER MANHOLE**  
NOT TO SCALE

- NOTES:**
1. CAST IN PLACE MANHOLE SECTIONS SHALL NOT BE USED UNLESS A NEW SEWER MAIN IS BEING CONNECTED INTO AN EXISTING SEWER MAIN.
  2. PROVIDE .20 FOOT DROP FROM THE NEW SEWER MAIN TO THE EXISTING SEWER MAIN.
  3. CONSTRUCT THE CAST IN PLACE TROUGH IN SMOOPTH RADII AS SHOWN ON DRAWING S2.
  4. CUT OUT THE TOP OF THE EXISTING PIPE AFTER THE CAST IN PLACE TROUGH HAS HAD AT LEAST 48 HOURS OF CURING TIME.
  5. GROUT/GRIND ANY RIDGES OR BELLS THAT MAY HAVE BEEN CREATED IN THE TROUGH OR AT THE MAIN TE-IN CONNECTION TO PROVIDE A SMOOTH FLOW LINE.
  6. 60" MANHOLES SHALL BE REQUIRED WHEN THE SUM OF ALL INLET & OUTLET DIAMETERS IS GREATER THAN 24".

**SANTAQUIN CITY CONSTRUCTION STANDARDS**

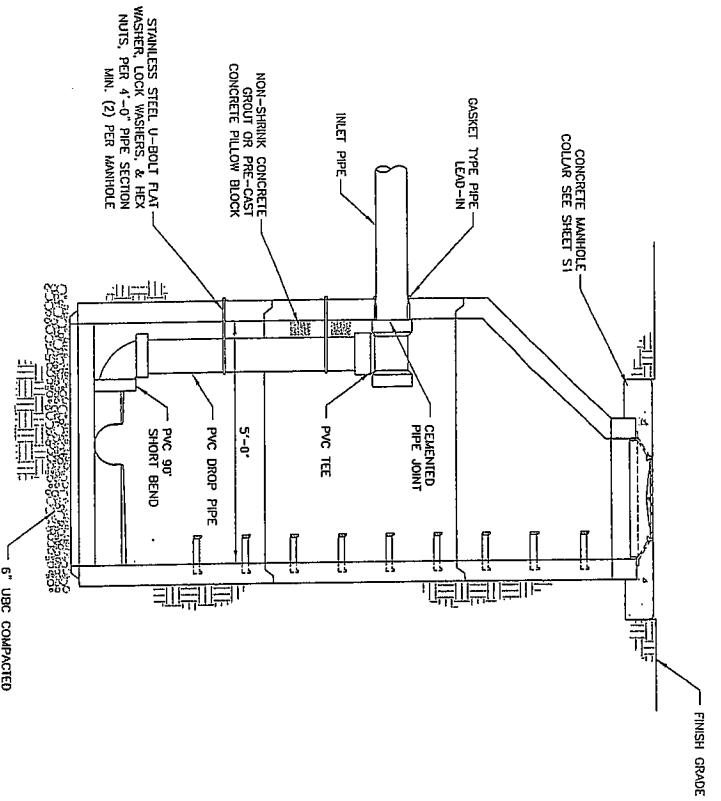
CAST IN PLACE SEWER MANHOLE



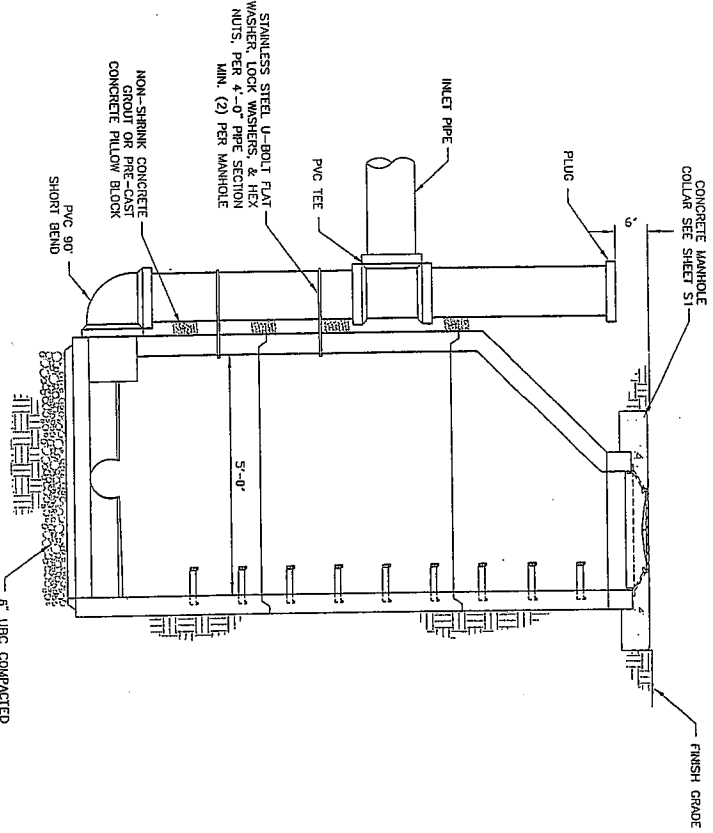
**Santaquin City**  
45 West 100 South  
Santaquin City, Utah 84655  
Tel: (801) 754-3211  
Fax: (801) 754-3525

DESIGNED BY: OSF	DRAWN BY: OSF	CHECKED BY: OSF	DATE: 12/1/05	SCALE: NTS	DRAWING NO.:
S5					
SHEET NO. 28 of 56					





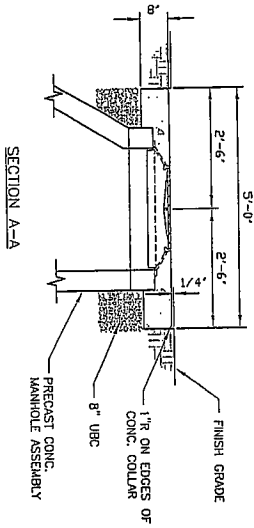
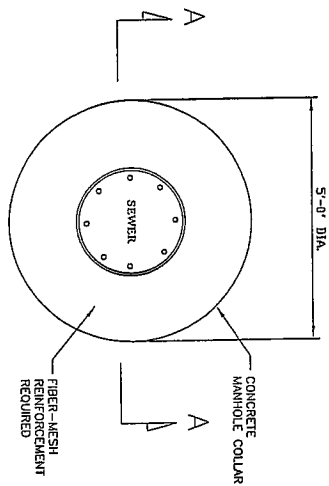
**INSIDE DROP MANHOLE**  
NOT TO SCALE



**OUTSIDE DROP MANHOLE**  
NOT TO SCALE

- NOTES:
- FOR DROP DISTANCES LESS THAN 10" NO DROP MANHOLE SHALL BE USED. THE COVER DISTANCE SHALL SLOPE THE TROUGHS IN THE BASE SECTION OF THE MANHOLE TO ACCOMMODATE THE DROP DISTANCES.
  - SEWER MAINS LARGER THAN 10" SHALL USE OUTSIDE DROPS. INSIDE DROP MANHOLES ARE REQUIRED WHEN DROP PIPING IS 10" OR SMALLER.

29 of 56 SHEET NO.	<b>S6</b> DRAWING NO.	DATE: 12/1/05 SCALE: NTS DRAWING JOB:	CHECKED BY: DSE DESIGNED BY: DSE DRAWN BY: DSE	<b>Santaquin City</b> 45 West 100 South Santaquin City, Utah 84655 Tel: (801) 754-3211 Fax: (801) 754-3528		<b>SANTAQUIN CITY</b> <b>CONSTRUCTION STANDARDS</b>  DROP MANHOLES
-----------------------	--------------------------	---	--	--	--	---



**CONCRETE MANHOLE COLLAR**  
NOT TO SCALE

- NOTES:
1. CONCRETE COLLARS ARE REQ'D. ON ALL MANHOLES IN AND ALONG STREETS AND ROADWAYS. THEY ARE NOT REQ'D. IN AREAS WHERE THE NEW SEWER LINES TRAVEL IN NATIVE FARMLAND OR WHERE OTHERWISE APPROVED BY THE CITY ENGINEER.
  2. EXCAVATIONS FOR CONCRETE COLLARS SHALL HAVE VERTICALSIDE WALLS AND FLAT BOTTOMS.
  3. FINISH CONCRETE COLLARS 4" BELOW THE FINISH GRADE OF THE ROADWAY.
  4. PROVIDE BARRICADES AT EACH MANHOLE FOR 7 DAYS AFTER PLACEMENT OF CONCRETE COLLARS.

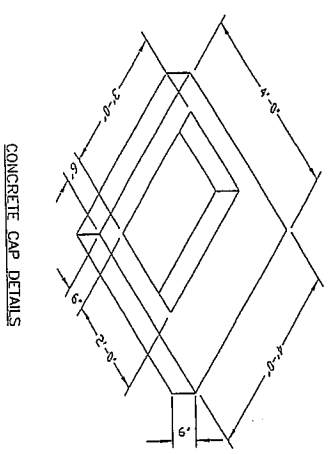
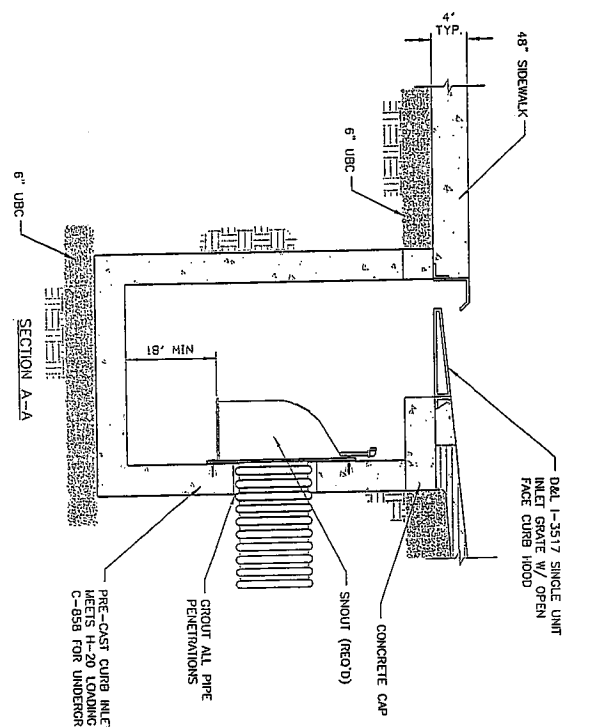
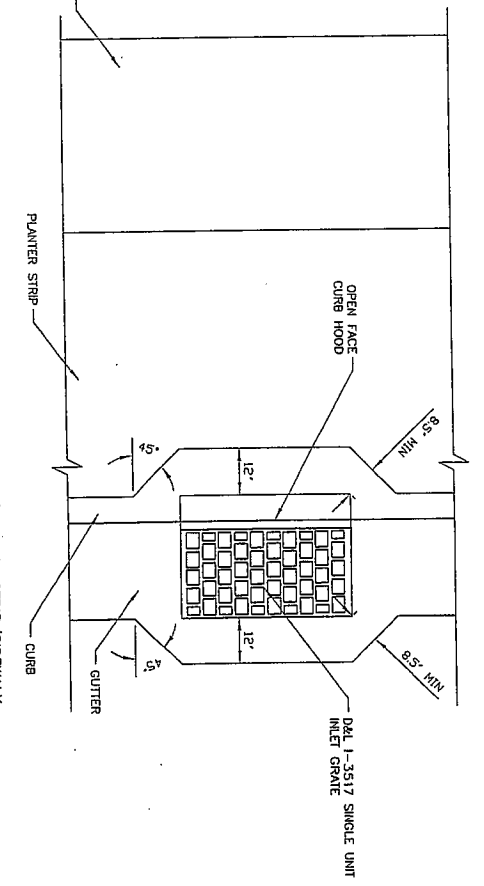
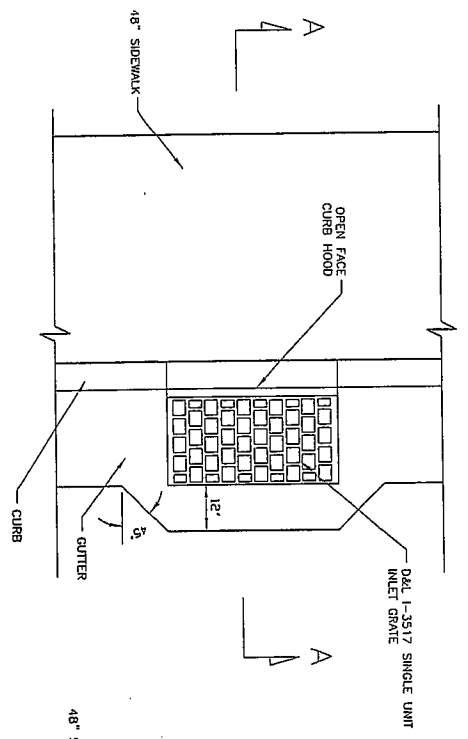
SANTAQUIN CITY  
CONSTRUCTION STANDARDS

CONCRETE MANHOLE COLLAR



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DRAWN BY: DSF	SHEET NO.
CHECKED BY: DSF	S7
DATE: 12/1/05	30.56
SCALE: NTS	



PRE-CAST CURB INLET BOX 3' X 3' X 4" WHICH MEETS H-20 LOADING AND ASTM SPECIFICATION C-858 FOR UNDERGROUND UTILITY STRUCTURES

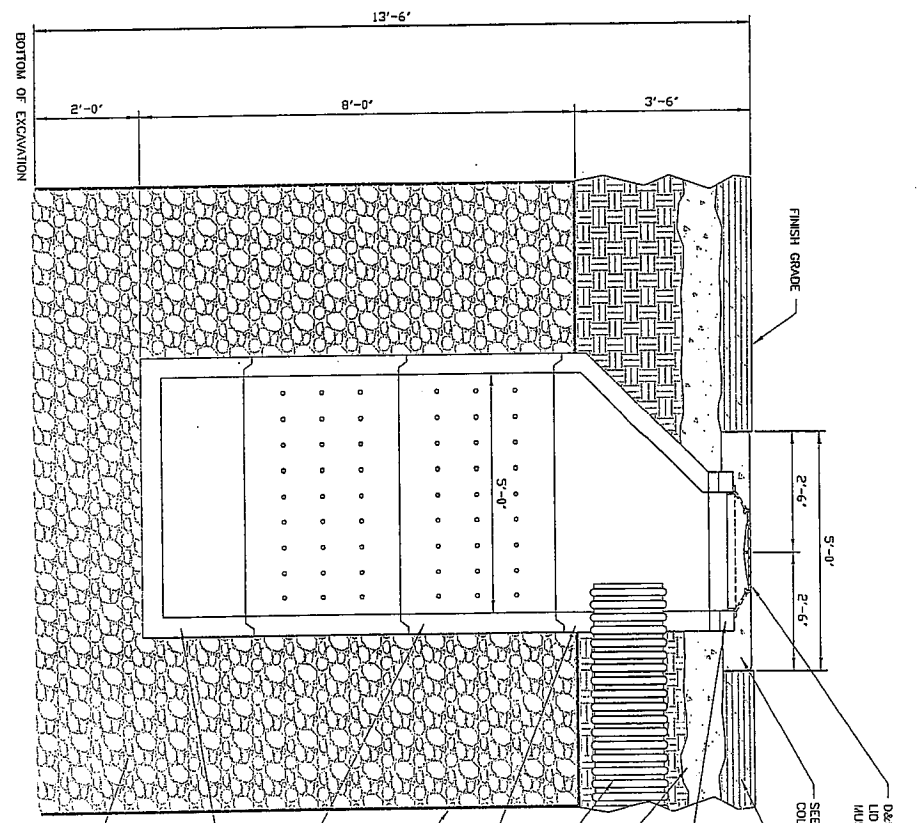
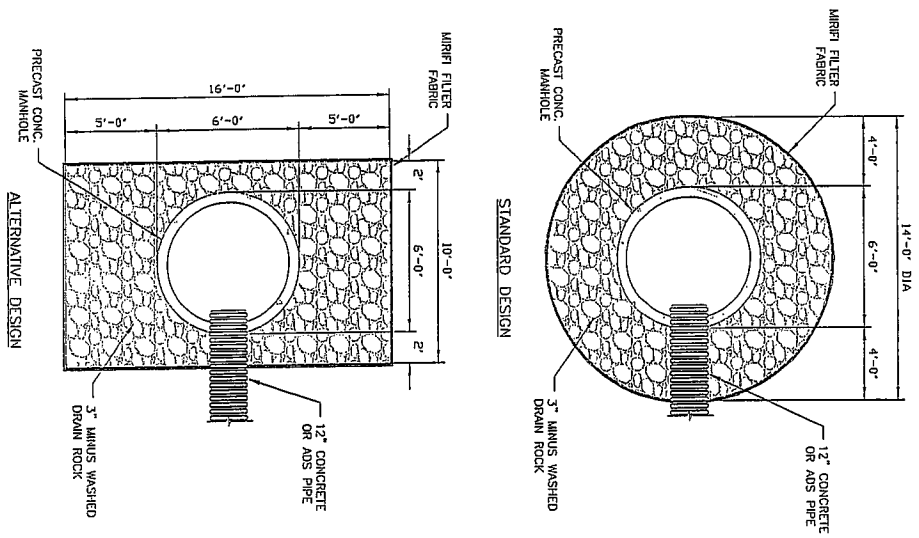
**CURB INLET BOX ASSEMBLY**  
NOT TO SCALE

DESIGNED BY: ODT	DATE: 12/1/05
DRAWN BY: OSJ	SCALE: NTS
CHECKED BY: OBT	DRAWING NO.
<b>SD1</b>	
SHEET NO.	
<b>31 of 56</b>	

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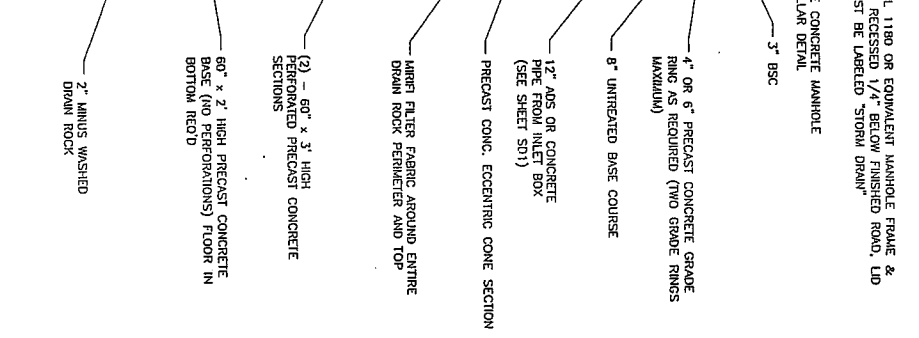


**SANTAQUIN CITY CONSTRUCTION STANDARDS**  
**CURB INLET BOX ASSEMBLY**

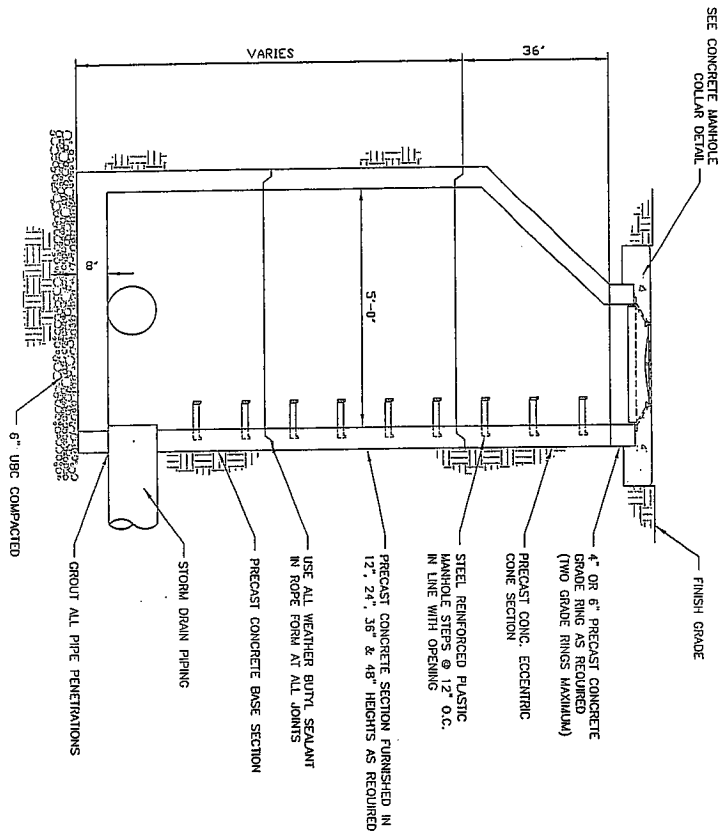


**MANHOLE SUMP DETAIL**  
NOT TO SCALE

- NOTES:
1. ALL SUMPS SHALL BE PRE-CAST CONCRETE MEETING H20 LOADING REQUIREMENTS.
  2. THERE SHALL BE A 4' ENVELOPE OF 2" MINUS WASHED GRAVEL AROUND THE BOTTOM 10' OF THE SUMP.
  3. PERFORATED SECTIONS SHALL HAVE 1" HOLES @ 12" O.C.




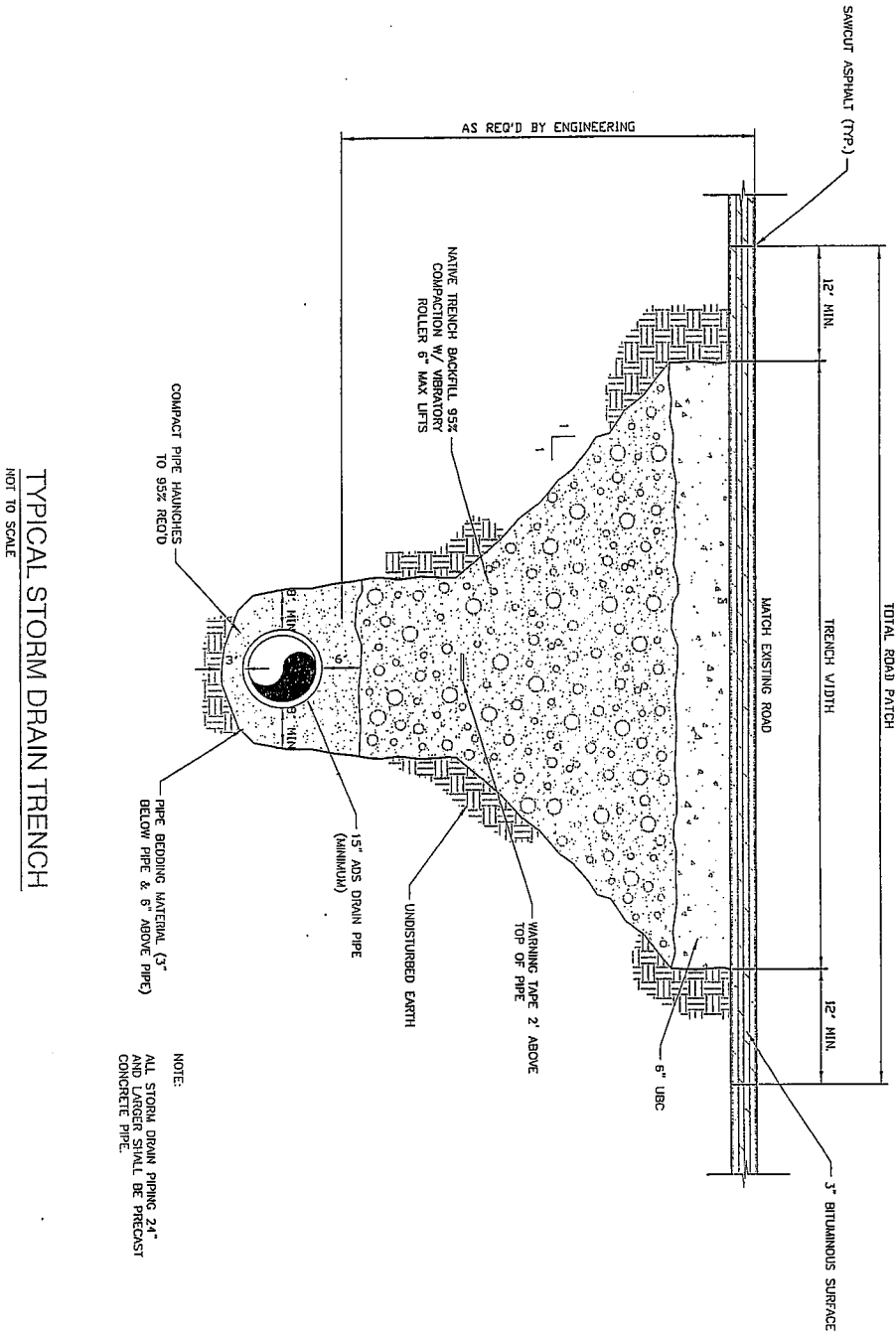
	<b>SANTAQUIN CITY</b> <b>CONSTRUCTION STANDARDS</b>	
	MANHOLE SUMP DETAIL	
DESIGNED BY: OSF DRAWN BY: OSF CHECKED BY: OSF DATE: 12/1/05 SCALE: NTS DRAWING NO.: SD2 SHEET NO.: 32 of 56	<b>Santaquin City</b> 45 West 100 South Santaquin City, Utah 84655 Tel: (801) 754-3211 Fax: (801) 754-3526	



**TYPICAL STORM DRAIN MANHOLE**  
 NOT TO SCALE


- NOTES:
1. FLAT LIDS MAY BE USED IN LIEU OF ECCENTRIC CONES WHERE NECESSARY, AND UPON APPROVAL OF THE CITY ENGINEER. FLAT LIDS SHALL BE OF ECCENTRIC DESIGN AND MEET H20 LIVE LOADING.
  2. MANHOLE RINGS PLACED IN FIELDS SHALL HAVE SOLID LIDS.
  3. MANHOLE RINGS OUT OF STREETS SHALL BE PLACED 4 INCHES ABOVE GRADE.

	<p><b>SANTAQUIN CITY</b>          CONSTRUCTION STANDARDS</p>	<p>TYPICAL STORM DRAIN MANHOLE</p>
<p>DESIGNED BY: OSF          DRAWN BY: OSF          CHECKED BY: OSF          DATE: 12/1/05          SCALE: NTS          DRAWING NO.          SHEET NO.</p>	<p><b>Santaquin City</b>          45 West 100 South          Santaquin City, Utah 84655          Tel: (801) 754-3211          Fax: (801) 754-3520</p>	<p>33 of 56</p>



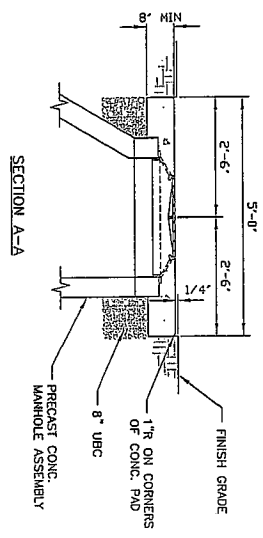
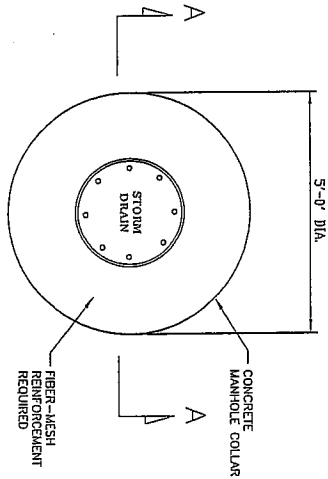
TYPICAL STORM DRAIN TRENCH  
NOT TO SCALE

NOTE:  
ALL STORM DRAIN PIPING 24"  
AND LARGER SHALL BE PRECAST  
CONCRETE PIPE.

34 of 56 SHEET NO.		<b>SANTAQUIN CITY</b> <b>CONSTRUCTION STANDARDS</b>
	<b>SD4</b> DRAWING NO.	<b>TYPICAL STORM DRAIN TRENCH</b>

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 DRAWN BY: DST  
 CHECKED BY: DST  
 DATE: 12/1/05  
 SCALE: NTS  
 DRAWING NO.



PLAN VIEW

SECTION A-A

**CONCRETE MANHOLE COLLAR**  
NOT TO SCALE

- NOTES:
1. EXCAVATIONS FOR CONCRETE COLLARS SHALL HAVE VERTICAL SIDE WALL & FLAT BOTTOMS.
  2. INSTALL CONCRETE COLLAR RECESSED 1/4" - 1/2" BELOW THE FINISH GRADE OF THE ROADWAY.

SANTAQUIN CITY  
CONSTRUCTION STANDARDS

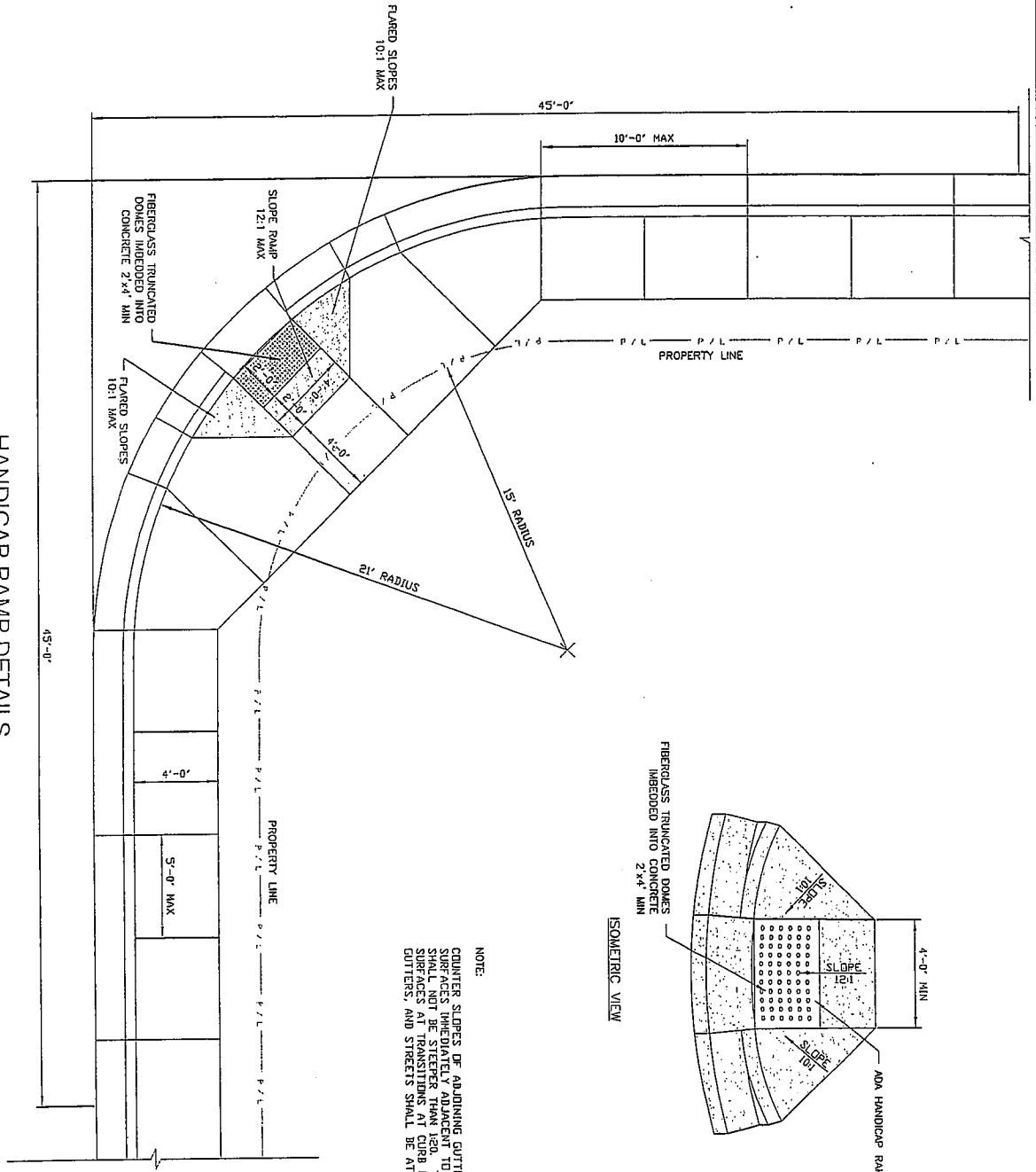
CONCRETE MANHOLE COLLAR




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DESIGNED BY: MSF	<p><b>SD5</b> SHEET NO. 35 of 56</p>
DRAWN BY: MSF	
CHECKED BY: MSF	
DATE: 12/1/05	
SCALE: NTS DRAWING NO.	

HANDICAP RAMP DETAILS  
NOT TO SCALE

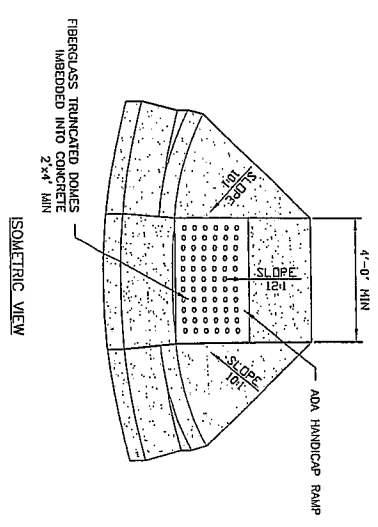
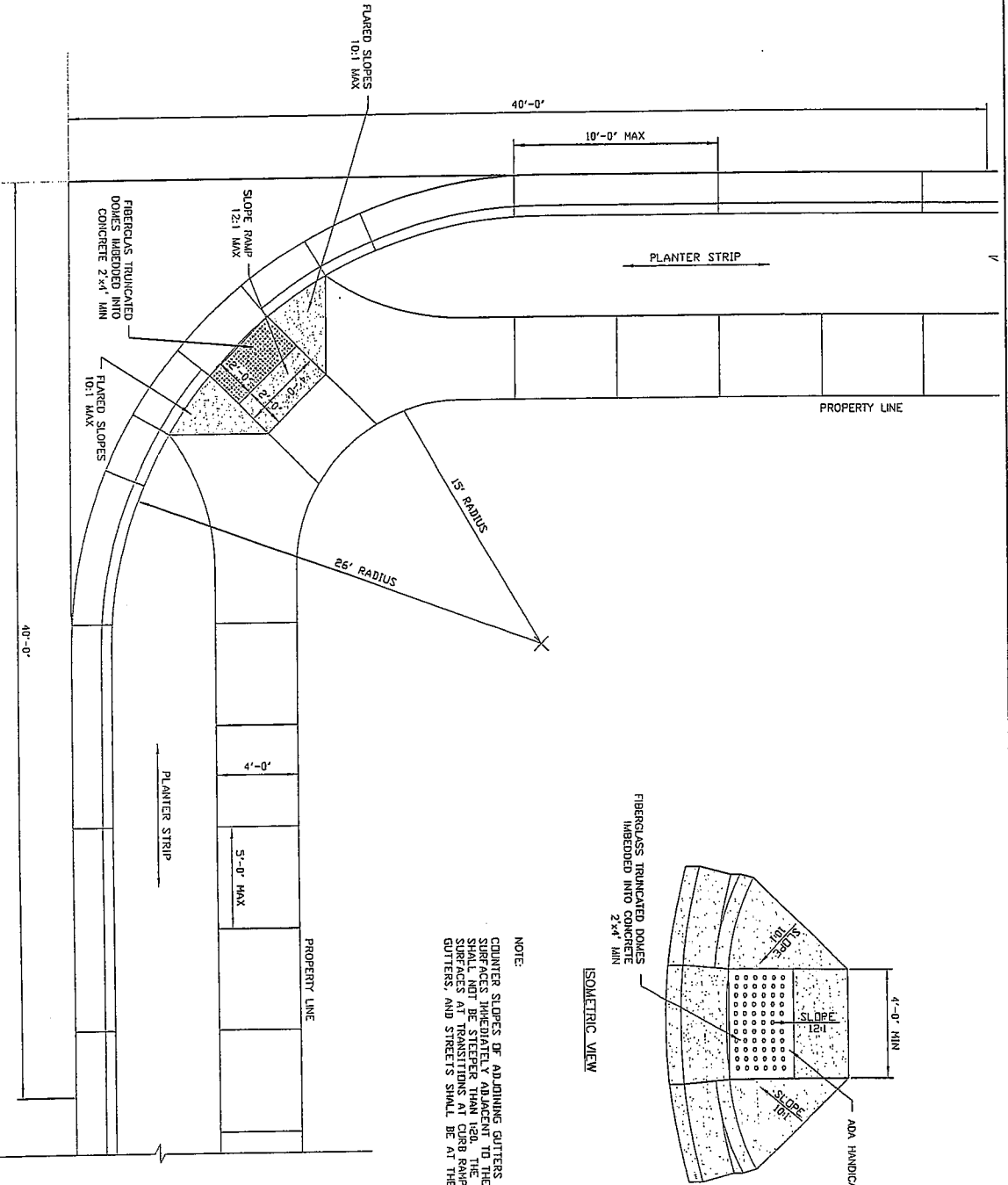


NOTE:  
 CURB SURFACES OF ADJACENT GUTTERS AND ROAD SURFACES IMMEDIATELY ADJACENT TO THE CURB RAMP SHALL NOT BE STEEPER THAN 12:1. THE ADJACENT SURFACES AT TRANSITIONS AT CURB RAMP TO WALKS, GUTTERS, AND STREETS SHALL BE AT THE SAME LEVEL.


SHEET NO. <b>CG1</b> 36 of 56	SANTAQUIN CITY CONSTRUCTION STANDARDS		SANTAQUIN CITY 45 West 100 South Santaquin City, Utah 84655 Tel: (801) 754-3211 Fax: (801) 754-3526
	HANDICAP RAMP DETAILS		

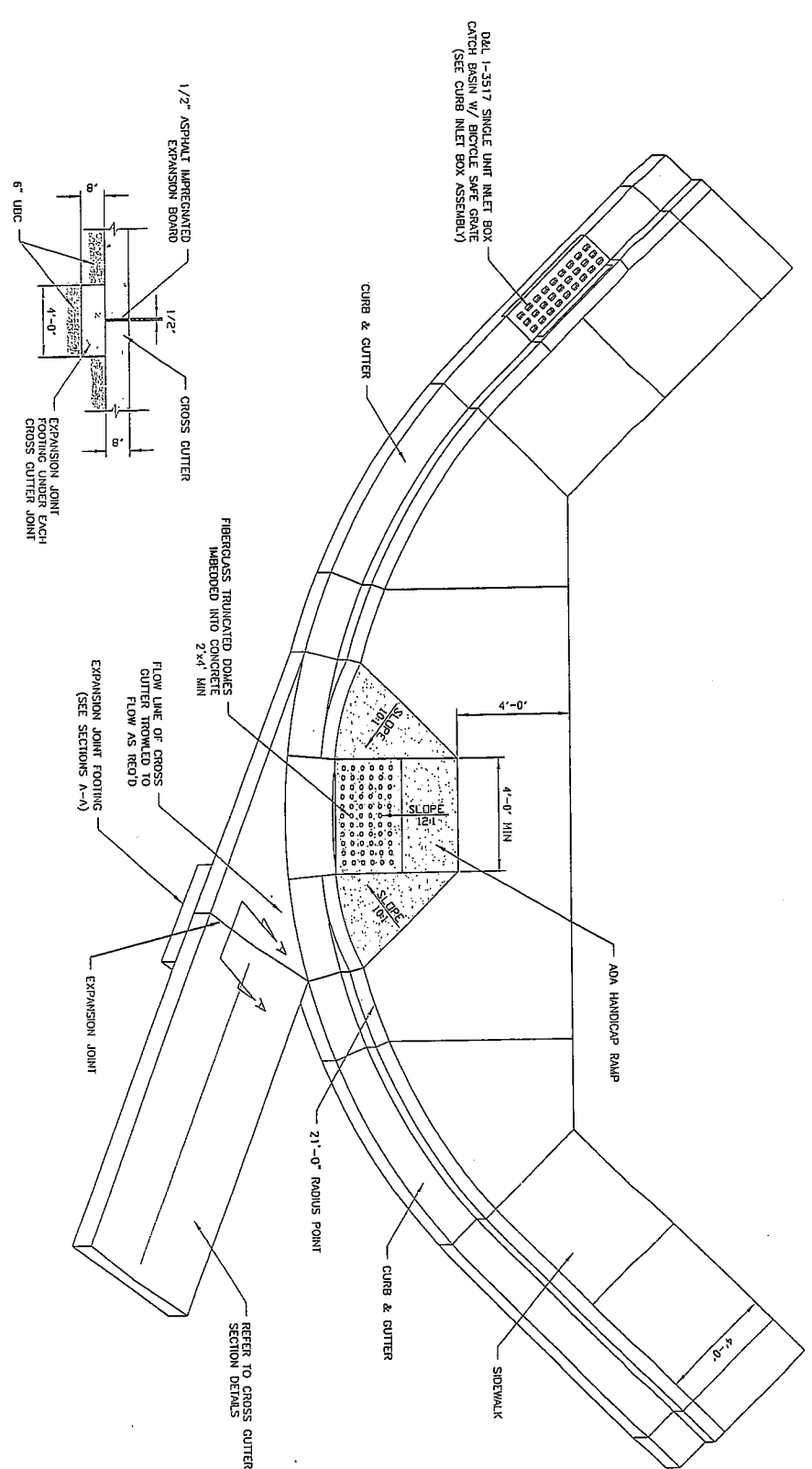


HANDICAP RAMP W/ PLANTER DETAILS  
NOT TO SCALE



NOTE:  
COUNTER SLOPES OF ADJOINING GUTTERS AND ROAD SURFACES IMMEDIATELY ADJACENT TO THE CURB RAMP SHALL NOT BE RESTRICTED AT CURB RAMP TO WALLS, GUTTERS, AND STREETS SHALL BE AT THE SAME LEVEL.

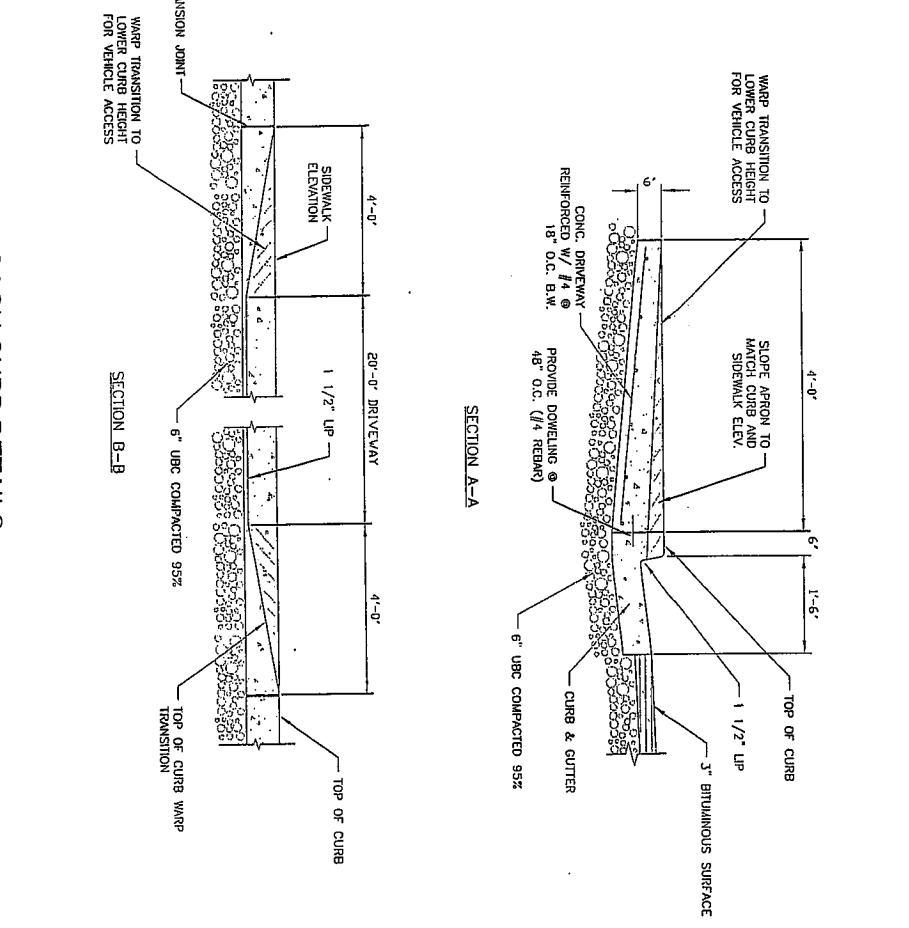
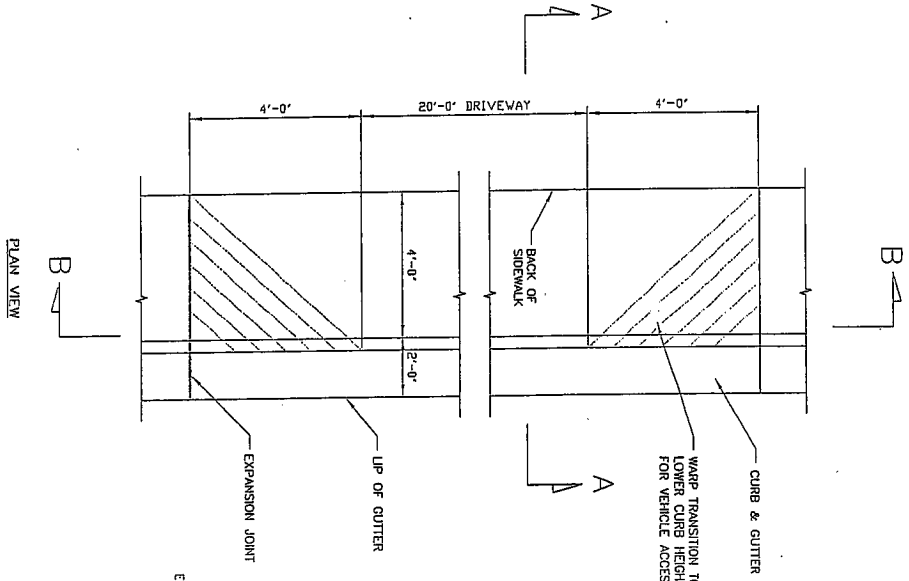
SHEET NO. <b>37 of 56</b>	DRAWING NO. <b>CG2</b>	SCALE: NTS	DATE: 12/1/05	CHECKED BY: BSI	DESIGNED BY: BSI		<b>SANTAQUIN CITY</b> <b>CONSTRUCTION STANDARDS</b>



HANDICAP RAMP W/ CROSS GUTTER DETAIL  
NOT TO SCALE

38 of 56 SHEET NO.	<b>CG3</b> DRAWING NO.	DATE: 12/1/08 SCALE: NTS	CHECKED BY: DSF DRAWN BY: DSF	DESIGNED BY: DSF		<b>SANTAQUIN CITY</b> CONSTRUCTION STANDARDS
						HANDICAP RAMP W/ CROSS GUTTER DETAILS

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**DRIVEWAY APPROACH CURB DETAILS**  
NOT TO SCALE

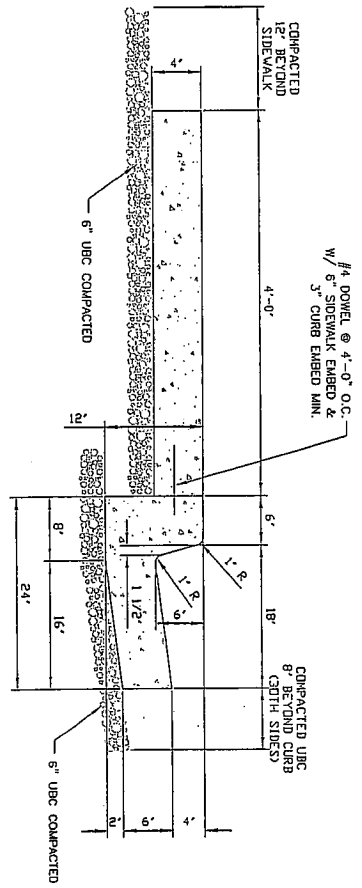
**SANTAQUIN CITY**  
**CONSTRUCTION STANDARDS**

DRIVEWAY CURB DETAILS



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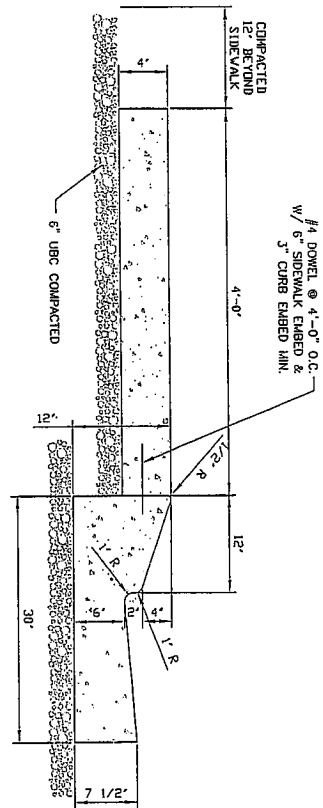
DESIGNED BY: DSE	DATE: 12/1/05
DRAWN BY: DSE	SCALE: NTS
CHECKED BY: DSE	DRAWING NO. CG4
SHEET NO. 39 of 56	



TYPICAL HIGH BACK CURB AND GUTTER

NOT TO SCALE

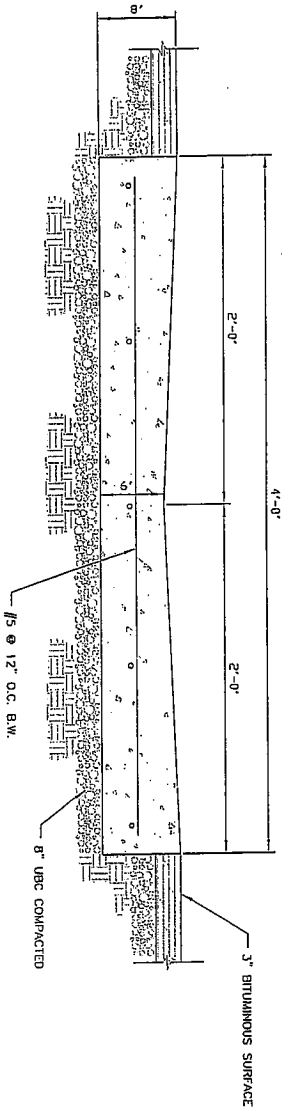
- NOTES:
1. PROVIDE A TOOLED JOINT EVERY 10'-0" IN CURB & GUTTER, & EVERY 5'-0" IN SIDEWALK
  2. PROVIDE AN EXPANSION JOINT EVERY 80'-0" IN SIDEWALK.



MOUNTABLE TYPE CURB AND GUTTER

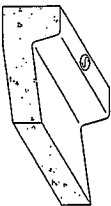
NOT TO SCALE

- NOTES:
1. 30" MOUNTABLE CURB IS APPROVED ONLY ON A CASE BY CASE BASIS. (FACTORS FOR APPROVAL INCLUDE SUBDIVISION SITE, STORMWATER DRAINAGE ISSUES, STREET WIDTH, AND SURROUNDING SUBDIVISIONS.)
  2. TRANSITIONS TO HIGH BACK CURB SHALL BE ACCOMPISHED IN A MINIMUM OF 6' (FOR CURB INLET BOXES, ETC.)



CROSS GUTTER

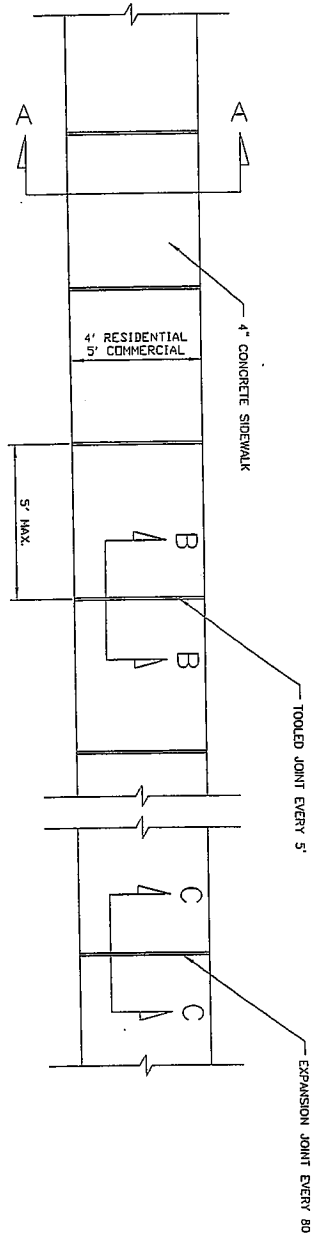
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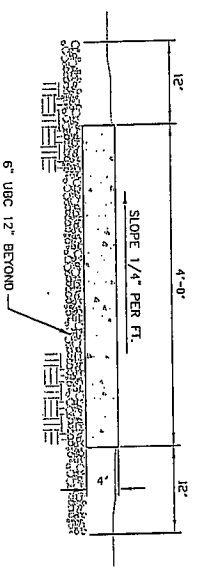
W	WATER
S	SEWER
SD	STORM DRAIN
PI	PRESSURIZED IRRIGATION
C	GAS

NOTE:  
STAMP TOP BACK OF CURB ABOVE INSTALLED SERVICE UTILITY UNDERLAYS, REODD

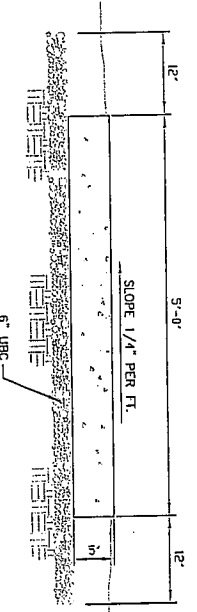




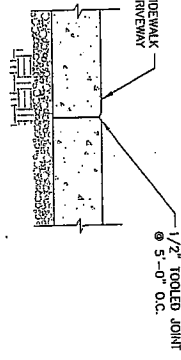
PLAN



RESIDENTIAL SIDEWALK SECTION A-A

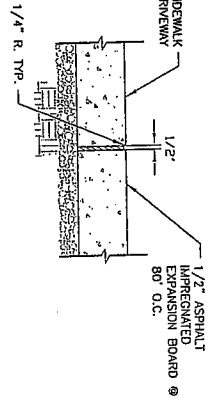


COMMERCIAL SIDEWALK SECTION A-A



SECTION B-B

NOTE:  
TOOLED JOINT IS TYPICAL FOR CURB,  
GUTTER, SIDEWALK, AND BLOCKOUTS



SECTION C-C

NOTE:  
EXPANSION JOINT IS TYPICAL FOR CURB,  
GUTTER, SIDEWALK, AND BLOCKOUTS

**SIDEWALK DETAILS**  
NOT TO SCALE

- NOTES:
1. PROVIDE A TOOLED JOINT EVERY 10'-0" IN CURB & GUTTER, & EVERY 5'-0" IN SIDEWALK.
  2. PROVIDE AN EXPANSION JOINT EVERY 80'-0" IN SIDEWALK.

SANTAQUIN CITY  
CONSTRUCTION STANDARDS

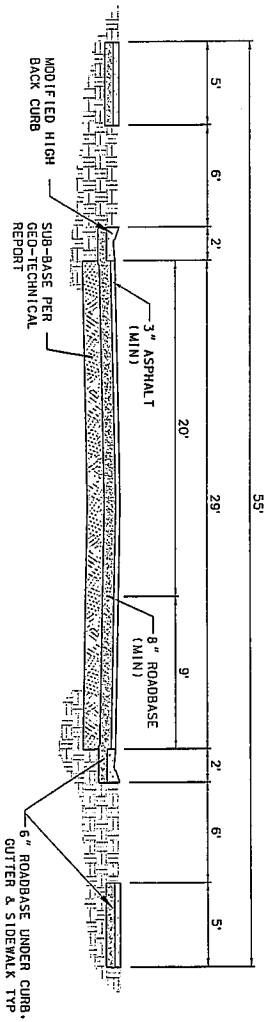
SIDEWALK DETAILS



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**2-LANE / PARKING ONE SIDE  
55' LOCAL STREET CROSS-SECTION**  
(AVERAGE SLOPE OF PROPERTY < 10%)



**JUB**

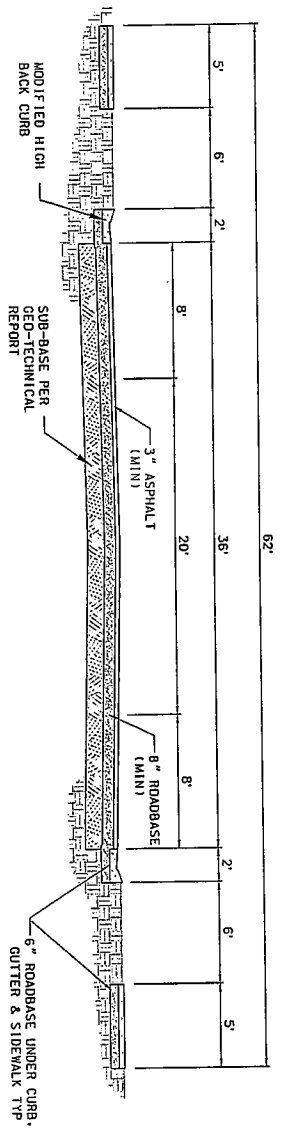
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REVISION			
NO.	DESCRIPTION	BY	DATE



**55' LOCAL STREET  
CROSS-SECTION**  
  
SANTAQUIN CITY  
45 WEST 100 SOUTH

STANDARD DRAWING NUMBER:	<b>ST1</b>
DESIGNER:	SELEABREY
PLOT SCALE:	1:1000
DRAWN BY:	CJS
DESIGN BY:	DCT
CHECKED BY:	DCT
ADOPTED DATE:	



**2-LANE / PARKING BOTH SIDES**  
**62' MAJOR LOCAL**  
 (AVERAGE SLOPE OF PROPERTY < 10%)

- NOTES:  
 1. NARROWED SECTION OR OTHER TRAFFIC CALMING TECHNIQUES AS DETERMINED BY DEVELOPMENT REVIEW COMMITTEE (DRCC)  
 2. THIS SECTION MAY BE MODIFIED FOR DEVELOPMENTS WITH AVERAGE BUILDABLE SLOPE > 10%.

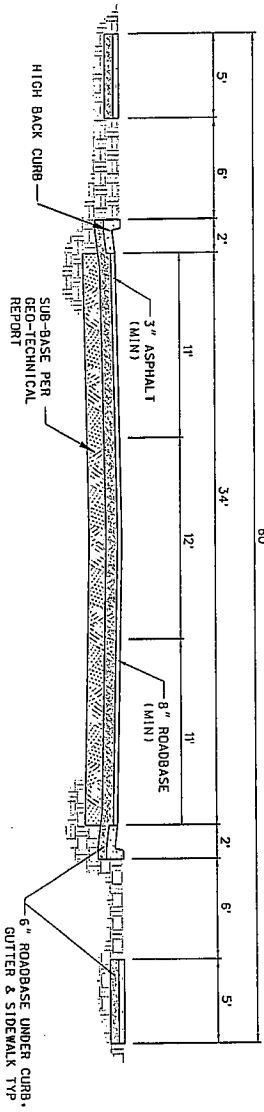
JUB

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**62' MAJOR LOCAL CROSS SECTION**  
 SANTAQUIN CITY  
 45 WEST 100 SOUTH

STANDARD DRAWING NUMBER	<b>ST2</b>
CDD DWG/CROSS SECTION	
PLOT SCALE:	1:1000
DRAWN BY:	CJP
DESIGN BY:	DCI
CHECKED BY:	DLI
ADOPTED DATE:	



**3-LANE / NO PARKING  
60' COLLECTOR**  
(AVERAGE SLOPE OF PROPERTY < 10%)

- NOTE:  
 1. ADDITION OF RIGHT-TURN LANES AT INTERSECTIONS AS REQUIRED BY DEVELOPMENT REVIEW COMMITTEE (DRCC)  
 2. THIS SECTION MAY BE MODIFIED FOR DEVELOPMENTS WITH AVERAGE BUILDABLE SLOPE > 10%



STATEMENT OF USE

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REVISION			
NO.	DESCRIPTION	BY	DATE

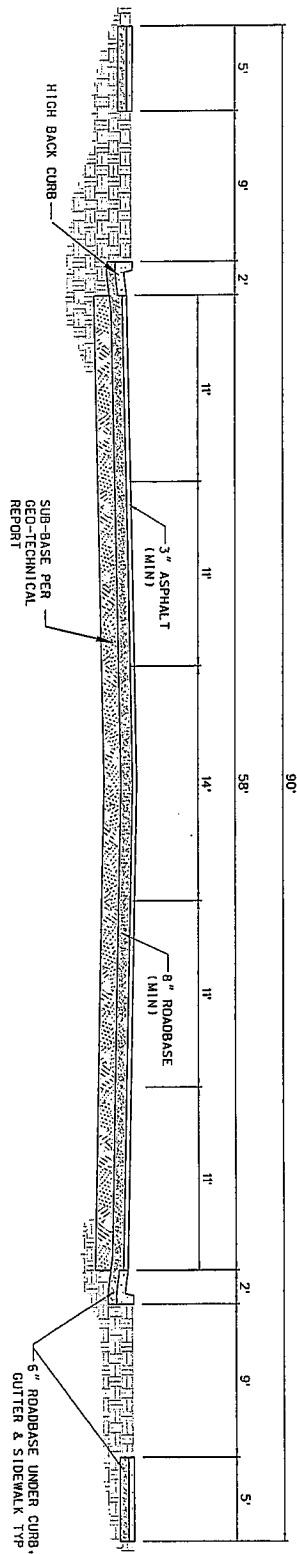


**60' COLLECTOR  
CROSS SECTION**

SANTAQUIN CITY  
45 WEST 100 SOUTH

STANDARD DRAWING NUMBER:	<b>ST3</b>
CAD DWG:	17/CARRBY/1
PLOT SCALE:	1/8" = 1'-0"
DRAWN BY:	CJC
DESIGN BY:	DCI
CHECKED BY:	BU
ADOPTED DATE:	





90' ARTERIAL RIGHT OF WAY

NOTES:  
ADDITION OF RIGHT-TURN LANES AT INTERSECTIONS AS  
REQUIRED BY DEVELOPMENT REVIEW COMMITTEE (DRMC)



STATEMENT OF USE

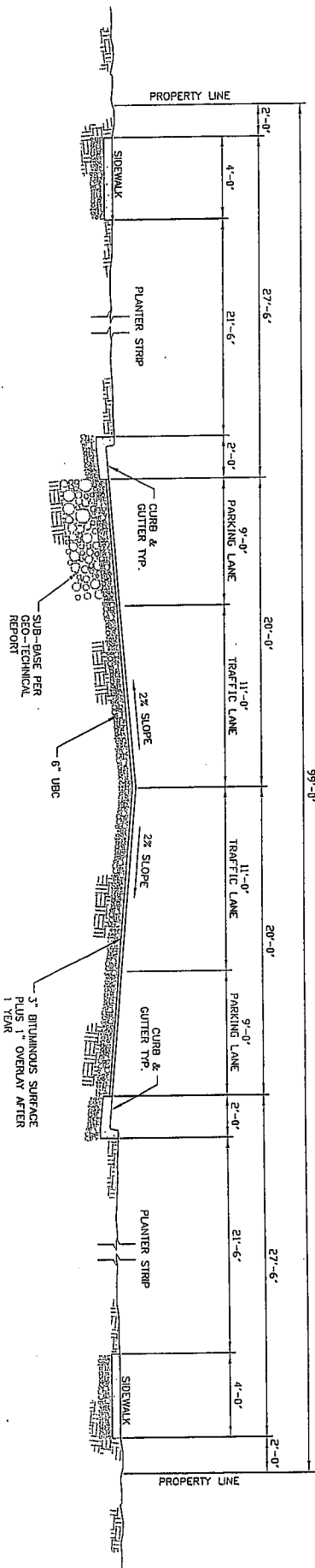
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REVISION			
NO.	DESCRIPTION	BY	DATE




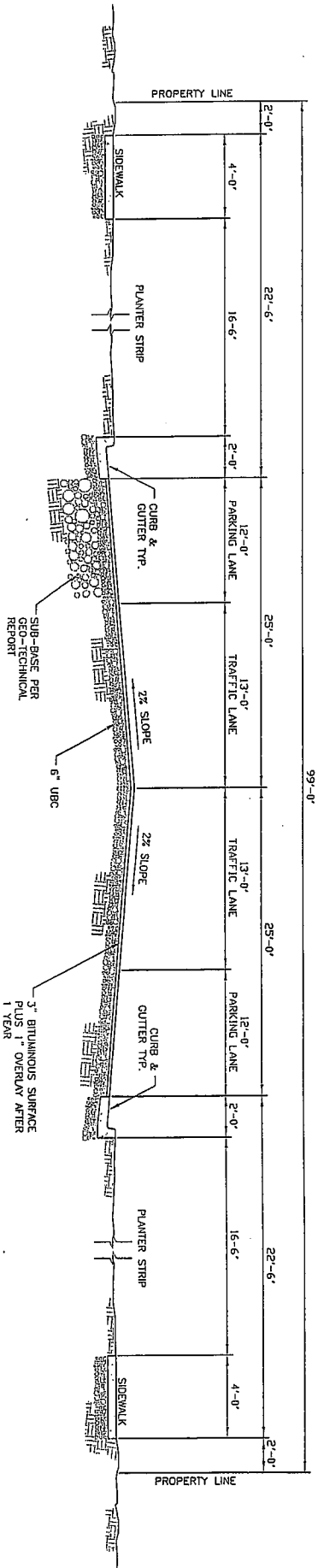
90' ARTERIAL  
CROSS SECTION  
SANTAQUIN CITY  
45 WEST 100 SOUTH

STANDARD DRAWING NUMBER	ST4
CAD DWG CROSS SECTION	
PLOT SCALE	1:500
DRAWN BY	CJC
DESIGN BY	CCJ
CHECKED BY	DM
ADOPTED DATE	




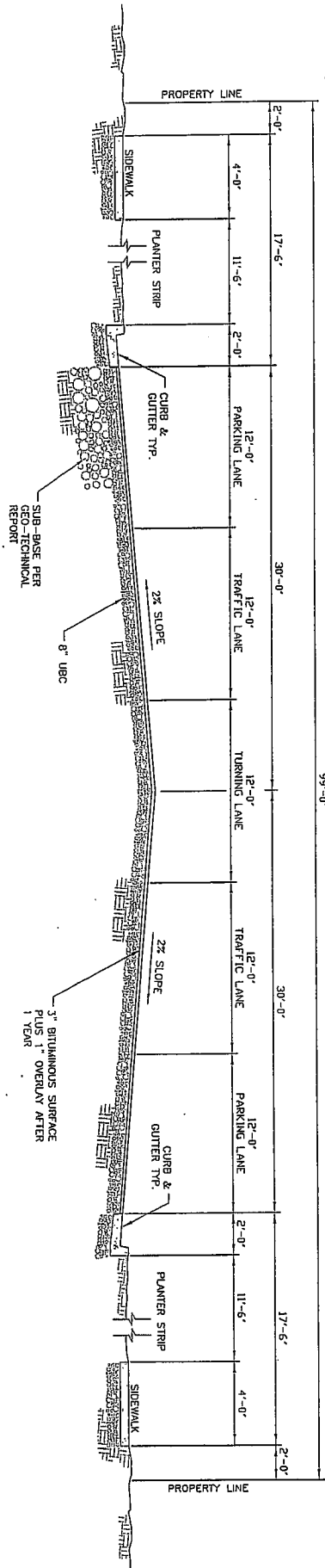
99' LOCAL ROAD RIGHT OF WAY IN TOWN CORE  
 NOT TO SCALE

SHEET NO. <b>46 of 56</b>	<b>ST5</b> DRAWING NO.	SCALE: NTS DATE: 12/1/05	DESIGNED BY: OSJ DRAWN BY: OSJ CHECKED BY: OSJ	<b>Santaquin City</b> 45 West 100 South Santaquin City, Utah 84655 Tel: (801) 754-3211 Fax: (801) 754-3526		<b>SANTAQUIN CITY</b> <b>CONSTRUCTION STANDARDS</b>
					99' LOCAL ROAD RIGHT OF WAY IN TOWN CORE	



**99' MINOR COLLECTOR ROAD RIGHT OF WAY IN TOWN CORE**  
 NOT TO SCALE

<p>DESIGNED BY: DST          DRAWN BY: DST          CHECKED BY: DST          DATE: 12/1/05          SCALE: NTS</p>	<p><b>Santaquin City</b>          45 West 100 South          Santaquin City, Utah 84655          Tel: (801) 754-3211          Fax: (801) 754-3526</p>		<p><b>SANTAQUIN CITY          CONSTRUCTION STANDARDS</b></p> <p>99' MINOR COLLECTOR ROAD RIGHT OF WAY IN TOWN CORE</p>
<p>SHEET NO.  <b>ST6</b>          47 of 56</p>			



**99' MAJOR COLLECTOR ROAD RIGHT OF WAY IN TOWN CORE**  
 NOT TO SCALE

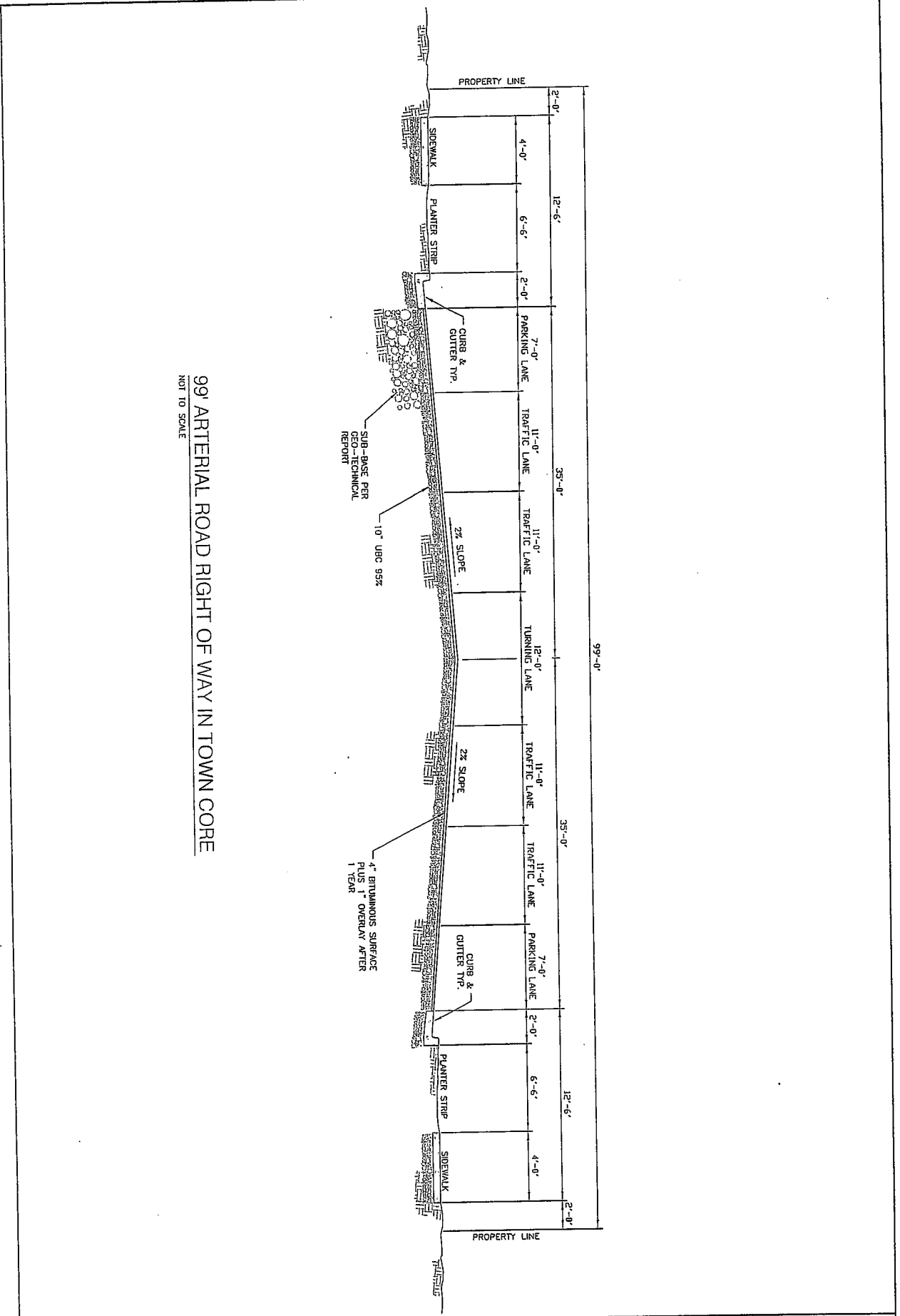
**SANTAQUIN CITY  
 CONSTRUCTION STANDARDS**

99' MAJOR COLLECTOR ROAD RIGHT OF WAY IN TOWN CORE



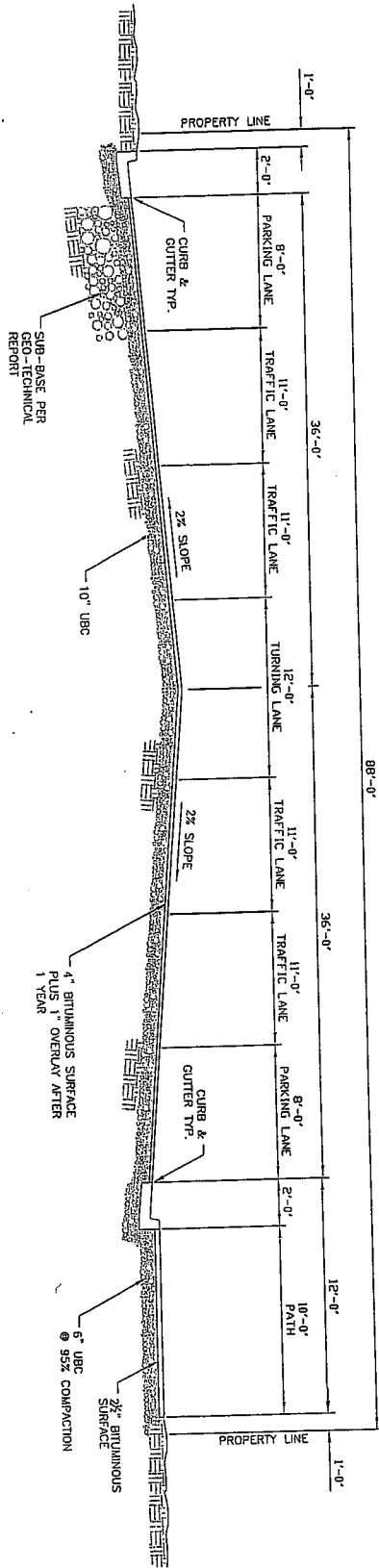
**Santaquin City**  
 45 West 100 South  
 Santaquin City, Utah 84655  
 Tel: (801) 754-3211  
 Fax: (801) 754-3526

DESIGNED BY: BSE	DATE: 12/1/05
DRAWN BY: BSE	SCALE: NTS
CHECKED BY: BSE	DRAWING NO. ST77
	SHEET NO. 48 of 56



**99' ARTERIAL ROAD RIGHT OF WAY IN TOWN CORE**  
NOT TO SCALE

SHEET NO. <span style="font-size: 2em; font-weight: bold;">ST8</span> <span style="font-size: 1.5em;">49 of 56</span>	<p><b>Santaquin City</b>          45 West 100 South          Santaquin City, Utah 84655          Tel: (801) 754-3211          Fax: (801) 754-3526</p>	<p><b>SANTAQUIN CITY</b>  <b>CONSTRUCTION STANDARDS</b></p> <p>99' ARTERIAL ROAD RIGHT OF WAY IN TOWN CORE</p>
DESIGNER BY: DSF DRAWN BY: DSF CHECKED BY: DSF DATE: 12/1/05 SCALE: NTS		



**88' ARTERIAL ROAD RIGHT OF WAY W/ PATH ON ONE SIDE**  
 NOT TO SCALE

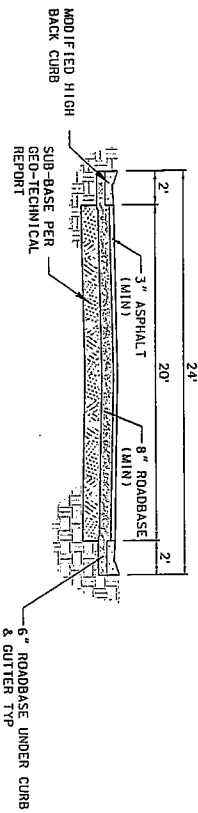
**SANTAQUIN CITY**  
**CONSTRUCTION STANDARDS**

88' ARTERIAL ROAD RIGHT OF WAY W/ PATH ON ONE SIDE



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DRAWN BY: DST	SCALE: NTS
CHECKED BY: DST	DRAWING NO.
<b>ST9</b>	
SHEET NO.	
<b>50 of 56</b>	



24' PRIVATE STREET CROSS SECTION

NOTES:  
 TURN-A-ROUND TO MEET THE REQUIREMENTS OF THE INTERNATIONAL FIRE CODE APPENDIX D (LATEST CITY ADOPTED VERSION)



**STATEMENT OF USE**

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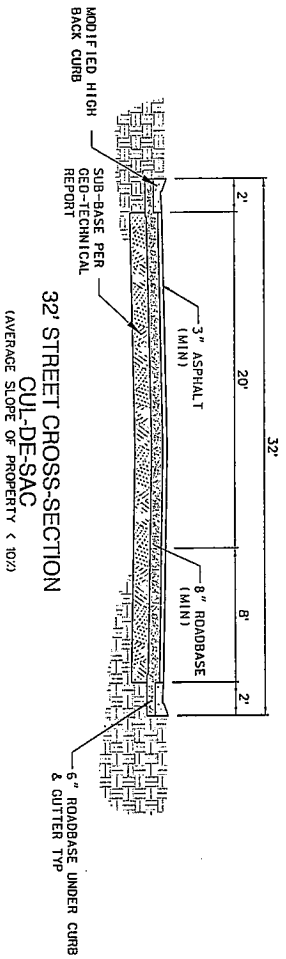
REVISION		
NO.	DESCRIPTION	BY / APR. DATE



20' PRIVATE STREET  
 CROSS SECTION

SANTAQUIN CITY  
 45 WEST 100 SOUTH

STANDARD DRAWING NUMBER:	ST10
CAD DWG/CROSS SECT.	1000
PLOT SCALE:	1:100
DRAWN BY:	CD
DESIGN BY:	DC
CHECKED BY:	DM
ADOPTED DATE:	



- NOTES:
1. 10' LOT MAXIMUM
  2. LENGTH OF STREET LIMITATION-500 FEET MEASURED FROM CENTER OF INTERSECTION TO CENTER OF TURN AROUND.
  3. TURN-A-ROUND TO MEET THE REQUIREMENTS OF THE INTERNATIONAL FIRE CODE APPENDIX D (LATEST ADOPTED VERSION)

(JUB)

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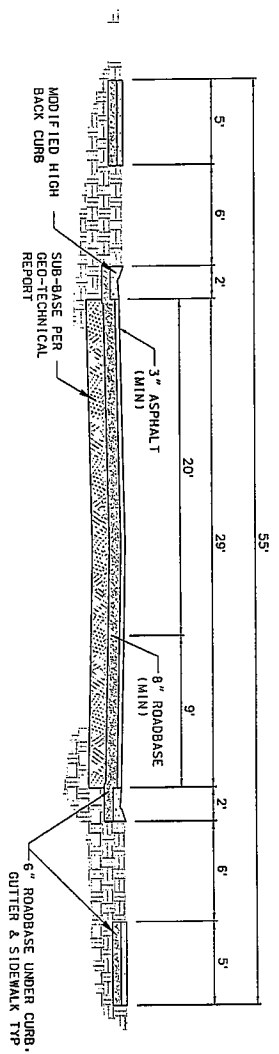
REVISION			
NO.	DESCRIPTION	BY	DATE



32' STREET CROSS SECTION  
 SANTAQUIN CITY  
 45 WEST 100 SOUTH

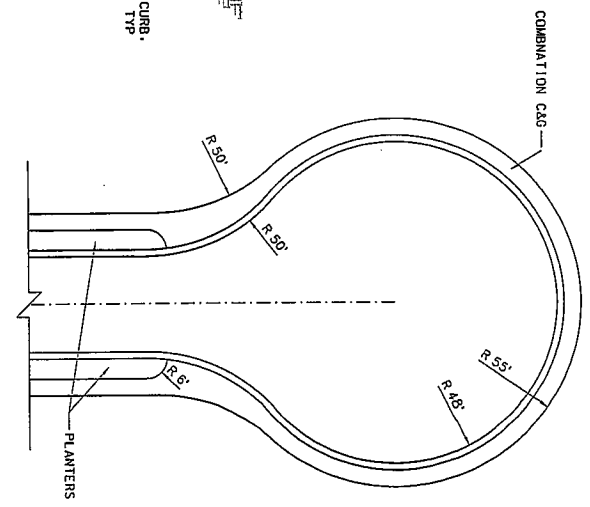
STANDARD DRAWING NUMBER	ST11
CAD TIME/CROSS SECTION	1:00
PLOT SCALE:	1:000
DRAWN BY:	CJP
DESIGN BY:	DGT
CHECKED BY:	CU
ADOPTED DATE:	





**55' STREET CROSS-SECTION**  
(AVERAGE SLOPE OF PROPERTY > 10%)

- NOTES:
1. 20' LOT MAXIMUM
  2. LENGTH OF STREET LIMITATION-1000 FEET MEASURED FROM CENTER OF INTERSECTION TO CENTER OF TURN AROUND.
  3. INTERMEDIATE TURN AROUND AS PER THE INTERNATIONAL FIRE CODE APPENDIX D (LATEST EDITION) FOR RADII > 750 FEET IN LENGTH.
  4. TURN-A-ROUND TO MEET THE REQUIREMENTS OF THE INTERNATIONAL FIRE CODE APPENDIX D (LATEST CITY ADOPTED VERSION)



**PLAN VIEW**



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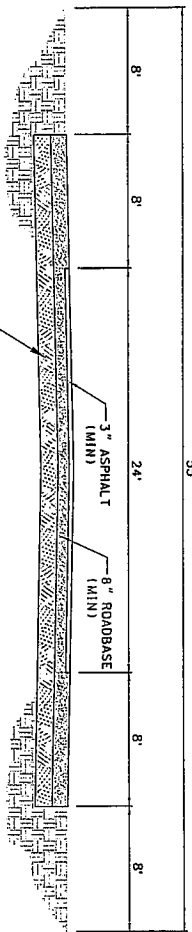
NO.	DESCRIPTION	BY	APPL. DATE



**55' STREET CROSS SECTION**

SANTAQUIN CITY  
45 WEST 100 SOUTH

STANDARD DRAWING NUMBER:	<b>ST12</b>
CAD DWG/CROSS SECTION:	
PLOT SCALE:	1:500
DRAWN BY:	CS
DESIGN BY:	DLT
CHECKED BY:	DM
ADOPTED DATE:	



**55' RURAL LOCAL ROAD CROSS SECTION**

(PERMITTED ONLY IF LOT FRONTAGE IS >150' AND LOT AREA ≥ 1 ACRE)

NOTE:  
TURN-A-ROUND TO MEET THE REQUIREMENTS OF THE  
INTERNATIONAL FIRE CODE APPENDIX D (LATEST CITY  
ADOPTED VERSION)

**JUB**

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REVISION			
NO.	DESCRIPTION	BY	DATE



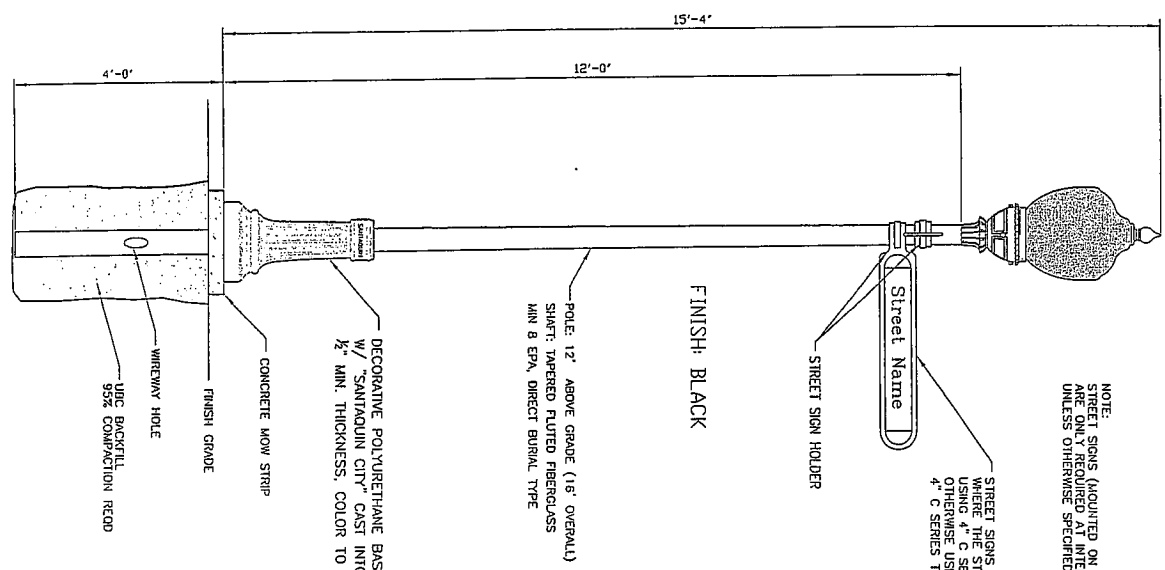
**55' RURAL LOCAL ROAD  
CROSS SECTION**

SANTAQUIN CITY  
45 WEST 100 SOUTH

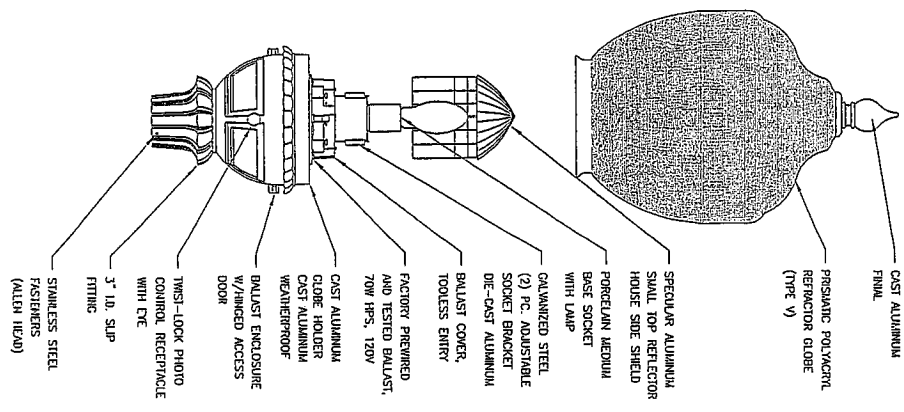
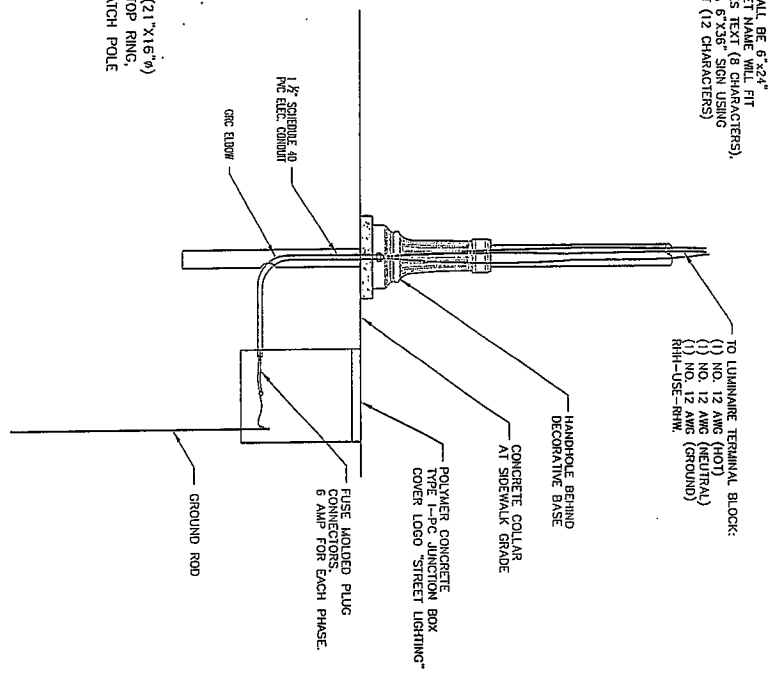
STANDARD DRAWING NUMBER:	<b>ST13</b>
FILED BY:	JK/AD/RE/ET
PLOT SCALE:	1"=100'
DRAWN BY:	CJC
CHECKED BY:	DEL
ADOPTED DATE:	01

NOTE:  
STREET SIGNS (MOUNTED ON STREET LIGHTS)  
ARE ONLY REQUIRED AT INTERSECTIONS,  
UNLESS OTHERWISE SPECIFIED.

STREET SIGNS SHALL BE 6'-2" HIGHER THAN THE STREET NAME AND USING 4" C SERIES TEXT (8 CHARACTERS), OTHERWISE USE A 6"x36" SIGN USING 4" C SERIES TEXT (12 CHARACTERS)



**RESIDENTIAL STREET LIGHT DETAILS**  
NOT TO SCALE

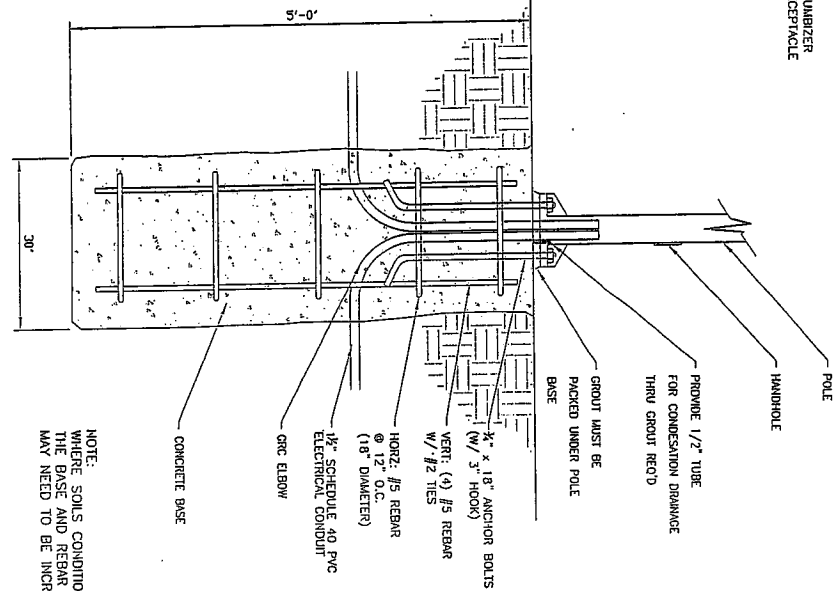
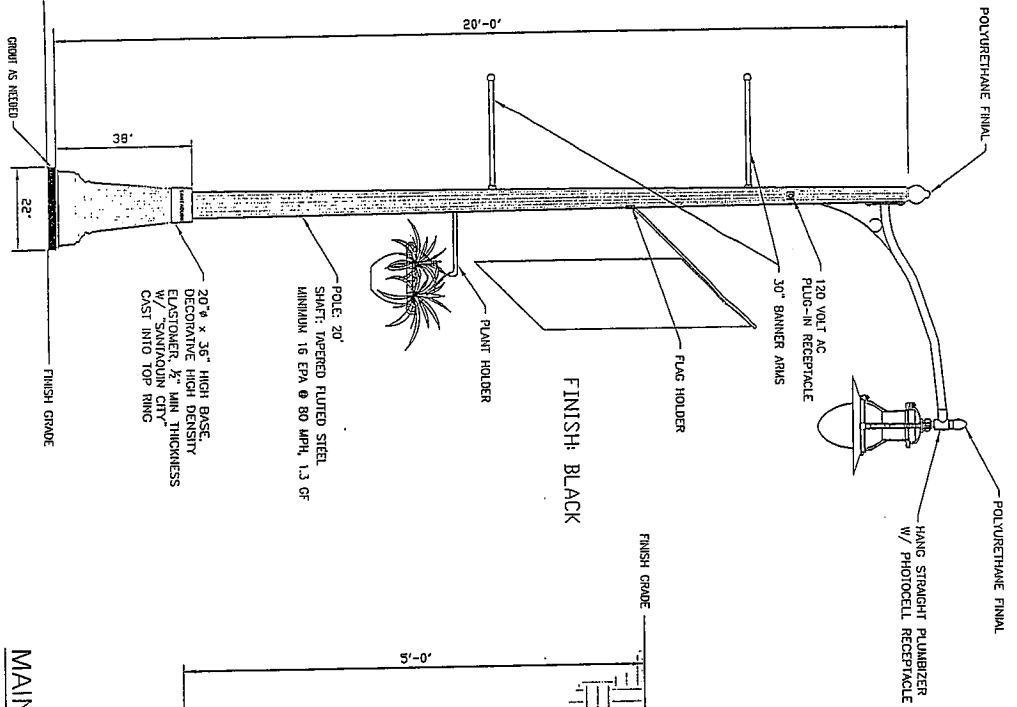


**SANTAQUIN CITY**  
CONSTRUCTION STANDARDS



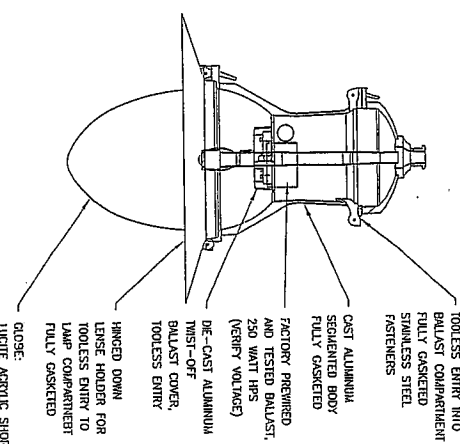
**Santaquin City**  
45 West 100 South  
Santaquin City, Utah 84655  
Tel: (801) 754-3211  
Fax: (801) 754-3526

DESIGNED BY: DSF	DESIGNED BY: DSF
DRAWN BY: DSF	DRAWN BY: DSF
CHECKED BY: DSF	CHECKED BY: DSF
DATE: 12/1/05	DATE: 12/1/05
SCALE: NTS	SCALE: NTS
DRAWING NO.	DRAWING NO.
SHEET NO.	SHEET NO.
51 of 56	L1



NOTE:  
WHERE SOIL CONDITIONS VARY,  
THE BASE AND REBAR DEPTH  
MAY NEED TO BE INCREASED

**MAIN STREET LIGHTING DETAILS**  
NOT TO SCALE



**LUMINAIRE DETAILS**  
LUMINAIRE SHALL BE MODEL  
T77 (TANBROOK W/ HOOD  
AS MANUFACTURED BY HACO)  
OR APPROVED EQUAL

STREET LIGHTS ON MAIN STREET SHALL  
BE MODEL CHADON AS MANUFACTURED  
BY HACO (TANBROOK W/ HOOD  
AS MANUFACTURED BY HACO)  
OR APPROVED EQUAL

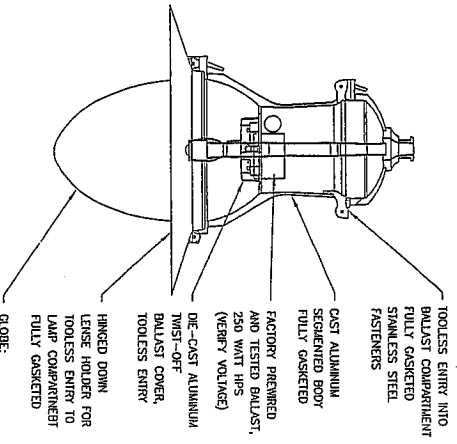
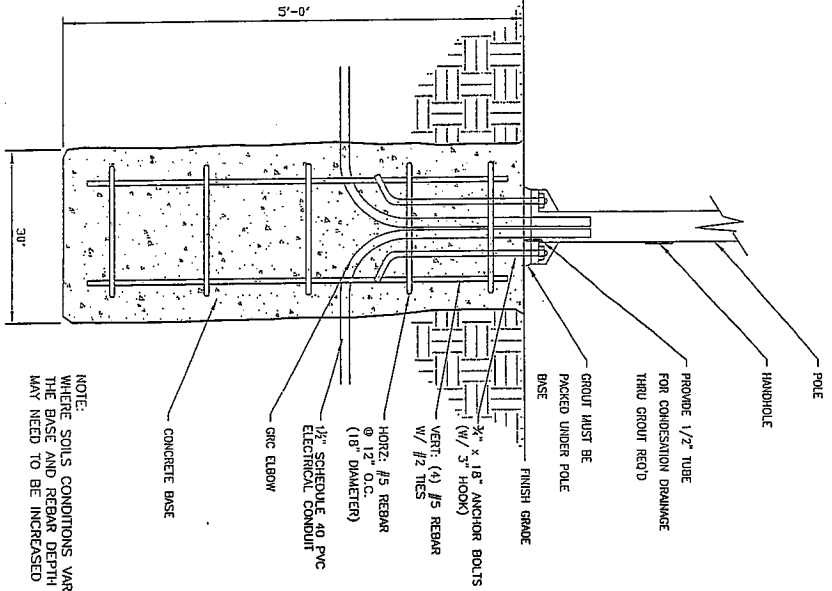
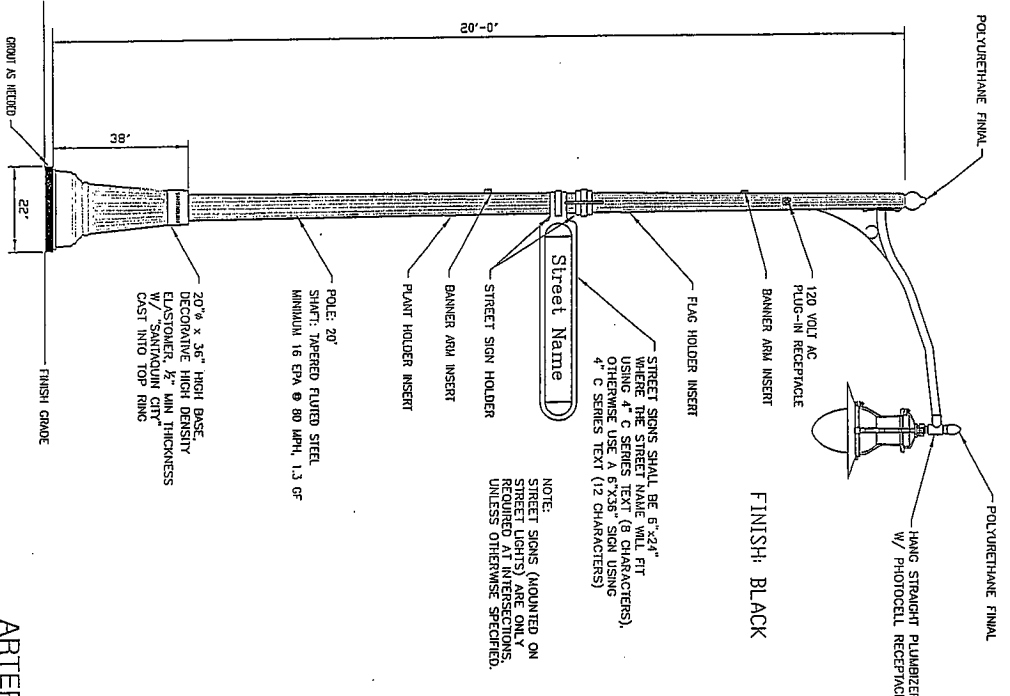
**SANTAQUIN CITY  
CONSTRUCTION STANDARDS**

**MAIN STREET LIGHTING DETAILS**



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DESIGNED BY: OSF	52 of 56
DRAWN BY: OSF	SHEET NO.
CHECKED BY: OSF	12
DATE: 12/1/05	
SCALE: NTS	
DRAWING NO.	

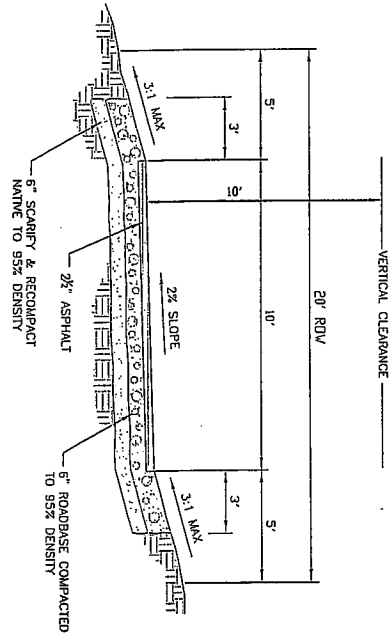


**ARTERIAL STREET LIGHTING DETAILS**  
NOT TO SCALE

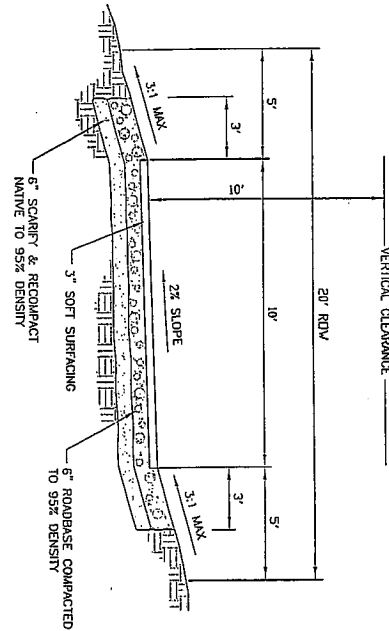
STREET LIGHTS ON ARTERIAL ROADS SHALL BE MODEL CHABOC AS MANUFACTURED BY HADCO (TEL: 801-805-8057) OR APPROVED EQUAL.

**LUMINAIRE DETAILS**  
LUMINAIRE SHALL BE MODEL T77 TEARDROP W/ HOOD AS MANUFACTURED BY HADCO OR APPROVED EQUAL.

	<b>SANTAQUIN CITY</b> CONSTRUCTION STANDARDS	
	ARTERIAL STREET LIGHTING DETAILS	
DESIGNED BY: DSF DRAWN BY: DSF CHECKED BY: DSF DATE: 12/1/05 SCALE: NTS	Santaquin City 45 West 100 South Santaquin City, Utah 84655 Tel: (801) 754-3211 Fax: (801) 754-3528	DRAWING NO. <b>L3</b> SHEET NO. <b>53 of 56</b>



ASPHALT CROSS SECTION



SOFT SURFACE CROSS SECTION

**SINGLE PATH TRAIL**  
NOT TO SCALE

- NOTES:
1. SLOPES MAY BE REVERSED TO MATCH NATURAL TOPOGRAPHICAL CONDITIONS
  2. A 3' CLEARANCE AREA MUST BE MAINTAINED ON EACH SIDE OF THE TRAIL

SANTAQUIN CITY  
CONSTRUCTION STANDARDS

SINGLE PATH TRAIL



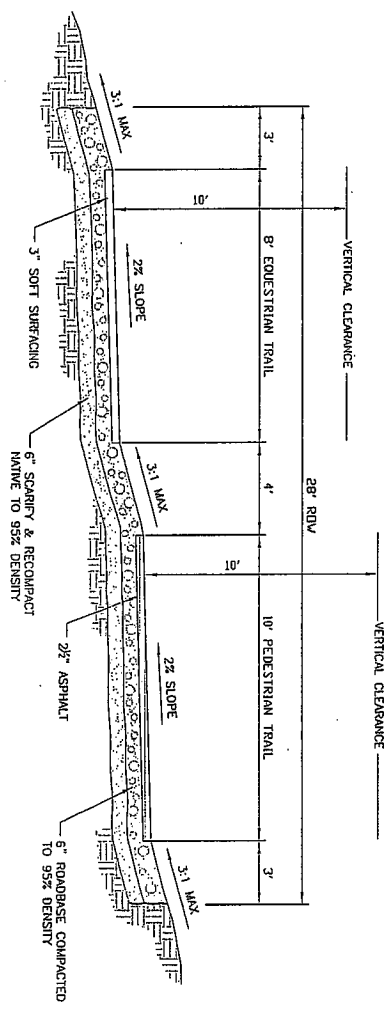
Santaquin City  
45 West 100 South  
Santaquin City, Utah 84655  
Tel: (801) 754-3211  
Fax: (801) 754-3528

DESIGNED BY: DSF  
DRAWN BY: DSF  
CHECKED BY: DSF  
DATE: 12/1/05  
SCALE: NTS  
DRAWING NO.

TI

SHEET NO.

54 of 56



**DUAL PATH TRAIL**  
NOT TO SCALE

- NOTES:
1. SLOPES MAY BE REVERSED TO MATCH NATURAL TOPOGRAPHICAL CONDITIONS
  2. A 3' CLEARANCE AREA MUST BE MAINTAINED ON EACH SIDE OF THE TRAIL

SANTAQUIN CITY  
CONSTRUCTION STANDARDS

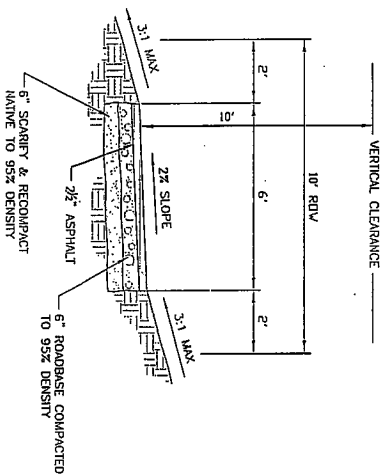
DUAL PATH TRAIL



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Fax: (801) 754-3526

DESIGNED BY: DSF  
DRAWN BY: DSF  
CHECKED BY: DSF  
DATE: 12/1/05  
SCALE: NTS  
DRAWING NO. T2

SHEET NO. 55 of 56



**NEIGHBORHOOD PATH TRAIL**  
NOT TO SCALE

- NOTES:
1. SLOPES MAY BE REVERSED TO MATCH NATURAL TOPOGRAPHICAL CONDITIONS
  2. A 2' CLEARANCE AREA MUST BE MAINTAINED ON EACH SIDE OF THE TRAIL

SANTAQUIN CITY  
CONSTRUCTION STANDARDS

NEIGHBORHOOD PATH TRAIL



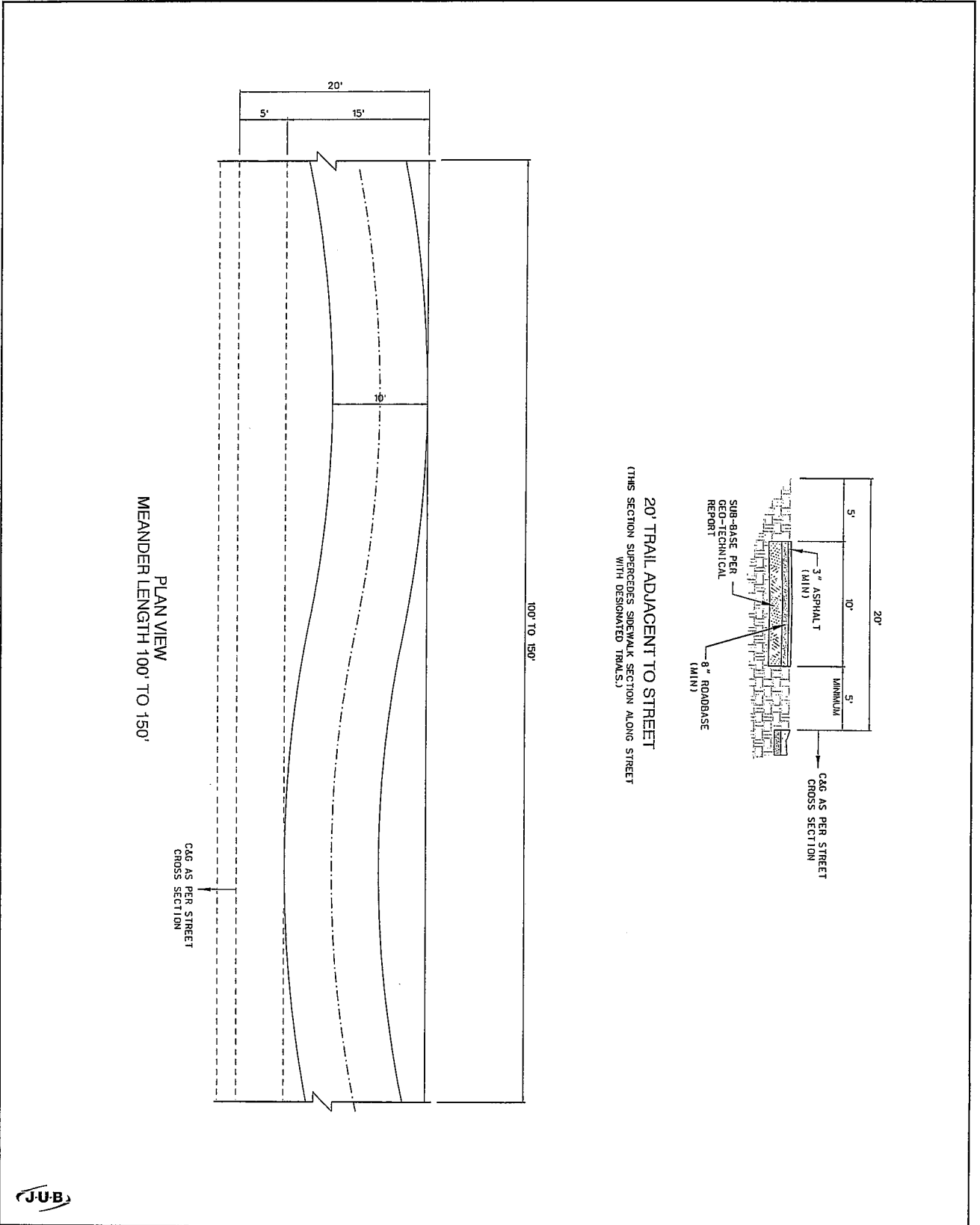
Santaquin City  
45 West 100 South  
Santaquin City, Utah 84655  
Tel: (801) 754-3211  
Fax: (801) 754-3526

DESIGNED BY: DST  
DRAWN BY: DST  
CHECKED BY: DST  
DATE: 12/1/05  
SCALE: NTS  
DRAWING NO.

T3

SHEET NO.  
56 of 56





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REVISION			
NO.	DESCRIPTION	BY	DATE
1	ISSUED PLAN VIEW	CJC	04-13-08



**20' TRAIL ADJACENT TO STRE  
 CROSS SECTION**

SANTAQUIN CITY  
 45 WEST 100 SOUTH

STANDARD DRAWING NUMBER:	T4
C&G DWG:	1446388REV01
PLOT SCALE:	1:1000
DRAWN BY:	CJC
DESIGN BY:	OCF
CHECKED BY:	DL
ADOPTED DATE:	