

STANDARD STREET IMPROVEMENT DETAILS

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**STREET IMPROVEMENT
DETAILS**

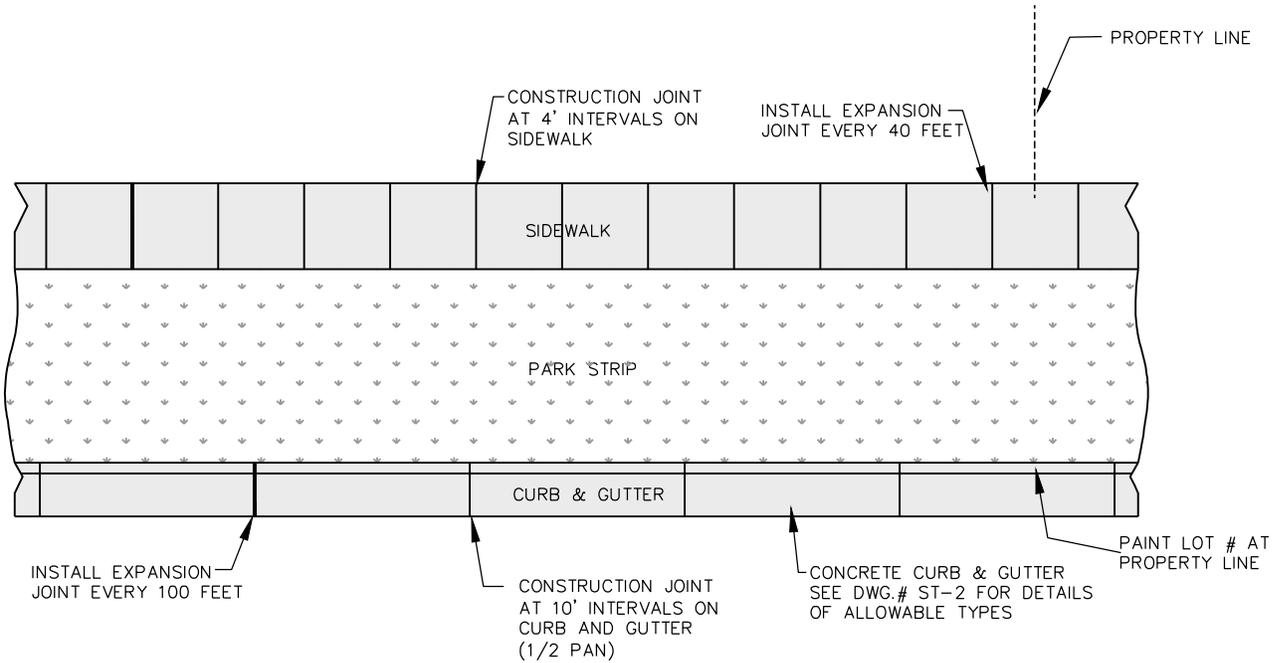
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DRAWING NAME: ST-0	DRAWN BY: ETL																
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SARATOGA SPRINGS CITY																	
1307 N. COMMERCE DR. #200, SARATOGA SPRINGS, UT 84045 PHONE: 801-766-0793 FAX: 801-766-8794																	



STANDARD DETAILS

STREET STANDARDS

ST-0



PLAN VIEW

NOTES:

1. A MINIMUM 6" DEPTH OF ROADBASE MATERIAL SHALL BE PLACED TO GRADE AND COMPACTED TO 95% OF MAXIMUM DRY DENSITY UNDER DRIVEWAY, WATERWAY, AND CURB & GUTTER PRIOR TO PLACEMENT OF CONCRETE.
2. A MINIMUM 6" DEPTH OF ROADBASE MATERIAL SHALL BE PLACED TO GRADE AND COMPACTED TO 95% OF MAXIMUM DRY DENSITY UNDER SIDEWALK AT ALL OTHER LOCATIONS PRIOR TO PLACEMENT OF CONCRETE.
3. WHERE CONSTRUCTION IS ADJACENT TO STATE HIGHWAY FRONTAGE, STATE HIGHWAY DEPARTMENT REQUIREMENTS SHALL GOVERN.
4. CONCRETE SHALL BE 3/4 INCH MAXIMUM AGGREGATE, 6.3 BAGS PER YARD OF TYPE 2 CEMENT WITH A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS.
5. EXPANSION JOINTS FOR CURB & GUTTER ARE TO BE SPACED NO MORE THAN 100 FT. AND SIDEWALKS SHALL BE SPACED NO MORE THAN EVERY 40 FT. EXPANSION JOINTS SHALL BE CONSTRUCTED BY PLACING AN APPROVED MATERIAL, (TYPICALLY BITUMINOUS IMPREGNATED FIBERBOARD), THE FULL DEPTH OF THE CONCRETE. EXPANSION MATERIAL SHALL BE SET 1/2" BELOW THE FINISH LEVEL OF THE SIDEWALK.
6. CONSTRUCTION JOINT IS MADE BY SCORING THE CONCRETE WITH 1/2" RADIUS EDGING TOOL OR OTHER METHOD APPROVED BY ENGINEER.
7. SLOPE SIDEWALK TO ROADWAY AT 2% GRADE.
8. LOCATE ALL INLET GRATES 2' MINIMUM AWAY FROM THE PEDESTRIAN CROSSWALK, WITH ALL DRAINAGE INTERCEPTED BEFORE IT GETS TO THE CROSSWALK AREA.
9. THE SIDEWALK SHALL BE A MIN. 5" THICK CONCRETE.
10. IN ROCKY SUB-GRADES 18" OF BOTTOM OF TRENCH TO BOTTOM OF PIPE. MIN. OF 2' OF OUTSIDE DIAMETER.
11. INSTALL MAGNETIC DETECTOR TAPE WITH A MIN. OF 14 GAUGE COATED TRACER WIRE FOR ALL PVC OR OTHER PIPE.
12. PAINT LOT NUMBER AT PROPERTY LINE.
13. SEWER LATERAL LOCATIONS TO BE MARKED ON TOP OF CURB WITH AN S
14. CULINARY WATER LATERAL LOCATIONS TO BE MARKED ON TOP OF CURB WITH A W
15. SECONDARY WATER LATERAL LOCATIONS TO BE MARKED ON TOP OF CURB WITH AN I
16. WATER VALVE LOCATIONS TO BE MARKED ON TOP OF CURB WITH A V

**SIDEWALK, CURB
& GUTTER
STANDARDS**

DATE: APRIL 2014
DRAWING NAME: ST-1
DRAWN BY: ETL
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**SARATOGA
SPRINGS CITY**

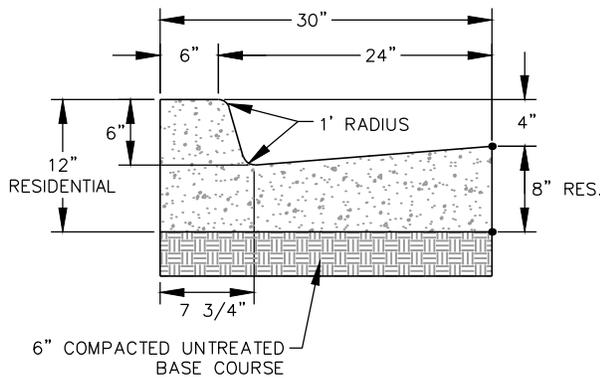
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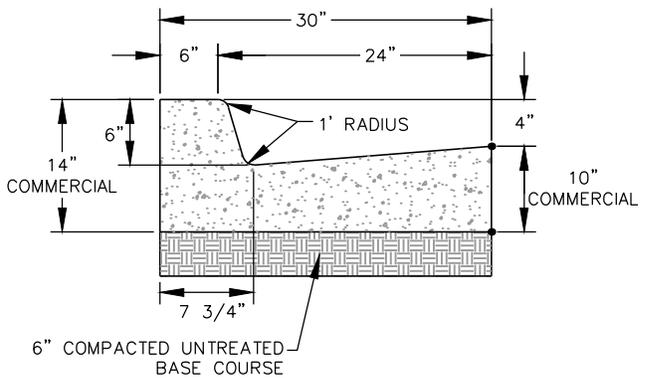
STANDARD DETAILS

STREET STANDARDS

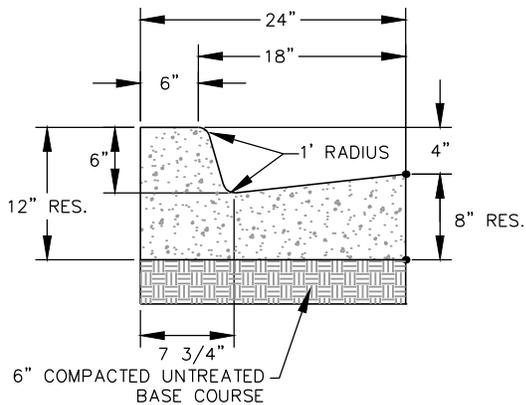
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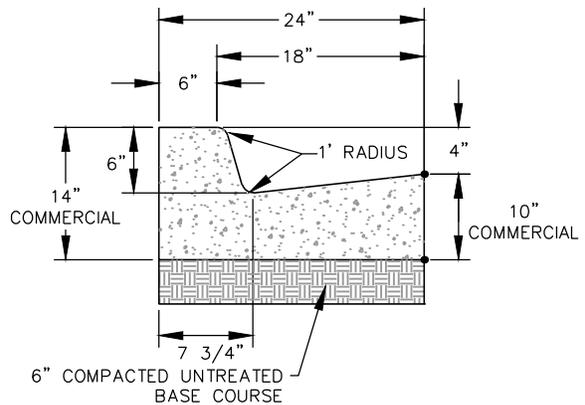
RESIDENTIAL
30" HIGH BACK CURB AND GUTTER
 FOR USE ON ARTERIALS & COLLECTORS



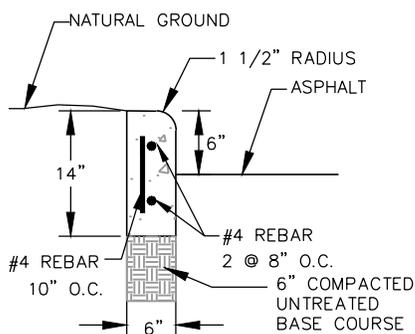
COMMERCIAL
30" HIGH BACK CURB AND GUTTER
 FOR USE ON ARTERIALS & COLLECTORS



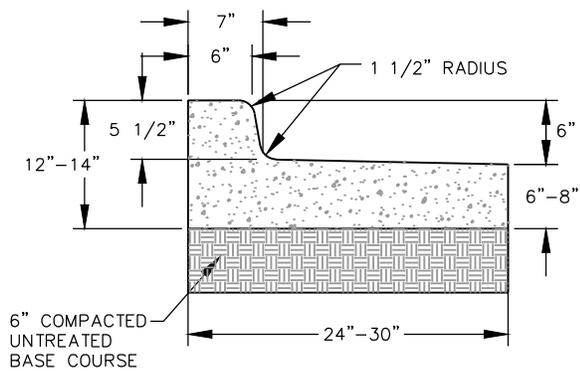
RESIDENTIAL
24" HIGH BACK CURB AND GUTTER
 FOR USE IN LOCAL & MINOR COLLECTORS



COMMERCIAL
24" HIGH BACK CURB AND GUTTER
 FOR USE IN LOCAL & MINOR COLLECTORS



6" CURB WALL



FALL-OUT CURB AND GUTTER

**CURB & GUTTER
 DETAILS**

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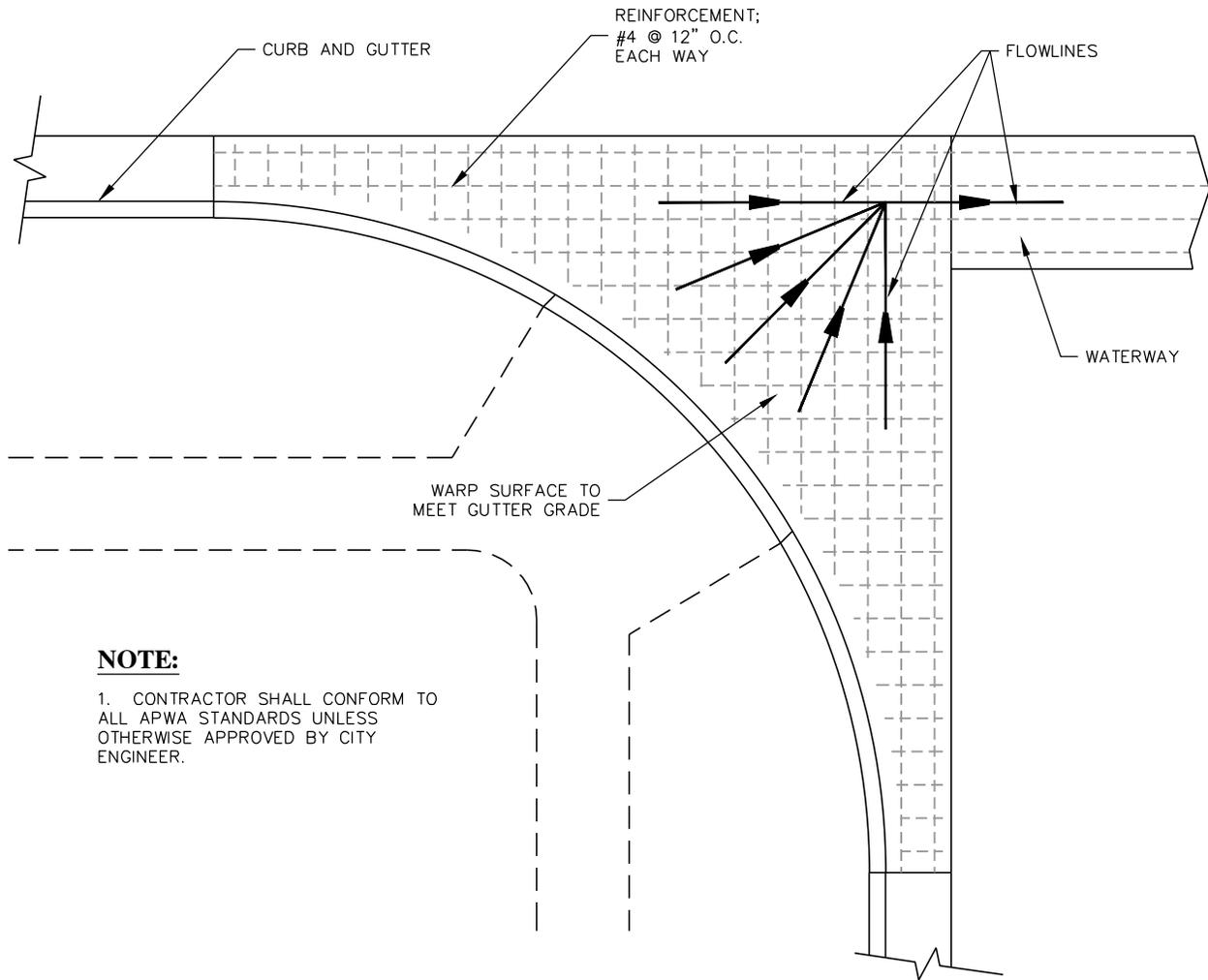
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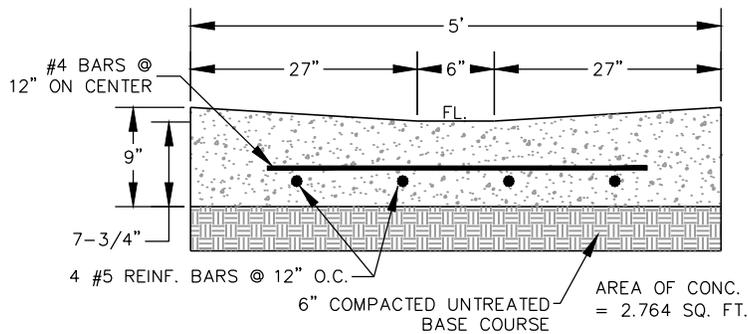
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STANDARD DETAILS
STREET STANDARDS
ST-2



PLAN VIEW



WATERWAY

**WATERWAY
DETAIL**

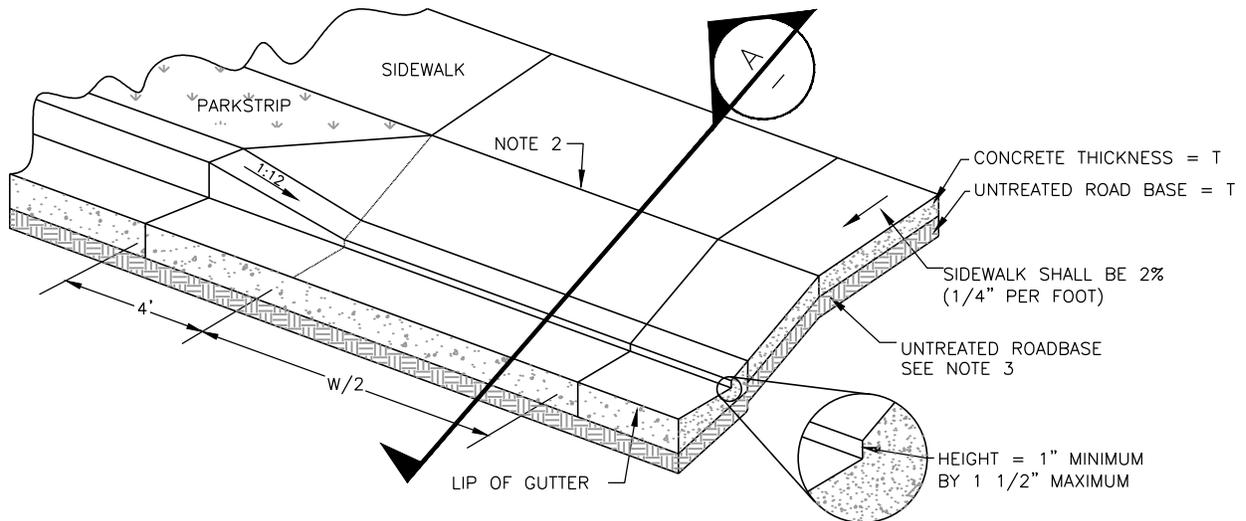
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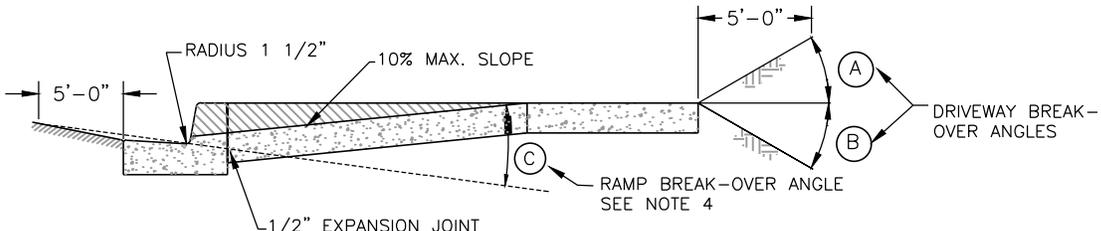
STANDARD DETAILS

STREET STANDARDS

ST-3



PLAN VIEW



SECTION 'A'

NOTES:

1. EDGE CONCRETE WITH 1/2" RADIUS EDGING TOOL.
2. PLACE 1/2" EXPANSION JOINT BETWEEN DRIVEWAY APRON AND CURB AND IN THE DRIVEWAY CENTERLINE IF "W" IS GREATER THAN 20'. FILLER MATERIAL SHALL BE FULL DEPTH OF CONCRETE PLUS 1", WITH TOP SET FLUSH WITH TOP OF CONCRETE.
3. USE UNTREATED ROADBASE UNDER CURB, GUTTER AND SIDEWALK. COMPACT TO 95% OF THE MAXIMUM DRY DENSITY.
4. DIFFERENCE IN SLOPE OF DRIVEWAY RAMP AND THE SLOPE OF A LINE BETWEEN THE GUTTER AND A POINT ON THE ROADWAY 5' FROM THE FRONT EDGE OF THE GUTTER SHALL NOT EXCEED 15%. REDUCE DRIVEWAY RAMP SLOPE, NOT GUTTER SLOPE, WHERE REQUIRED.
5. ALL CONCRETE SLABS WITH A LENGTH/WIDTH RATIO GREATER THAN 2:1 SHALL HAVE CONTRACTION JOINTS INSTALLED AS REQUIRED TO STAY WITHIN 2:1 RATIO.
6. BACK EDGE OF SIDEWALK TO BE SET AT AN ELEVATION 2% HIGHER THAN THE TOP BACK OF CURB.
7. SIDEWALK TO BE A MINIMUM OF 5 FEET WIDE UNLESS OTHERWISE SPECIFIED.
8. MATERIALS, CONSTRUCTION, AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH CITY'S STANDARD SPECIFICATIONS.

DRIVE APPROACH DIMENSIONS

DIMENSION	LEGNTH ACCORDING TO ZONE
W	10'-0" MIN. RESIDENTIAL ZONES 20'-0" MAX. RESIDENTIAL ZONES 30'-0" MAX. COMMERCIAL/INDUSTRIAL ZONES
T	0'-6" RESIDENTIAL ZONES 0'-8" INDUSTUSTRIAL/COMMERCIAL ZONES

SLOPE TABLE

DIMENSION	ZONE
(A) 12% MAX. 6% MAX.	RESIDENTIAL ZONE INDUST. AND COMM. ZONE
(B) 13% MAX. 6% MAX.	RESIDENTIAL ZONE INDUST. AND COMM. ZONE
(C) 15% MAX. 6% MAX.	RESIDENTIAL ZONE INDUST. AND COMM. ZONE

FLARE DRIVE APPROACH

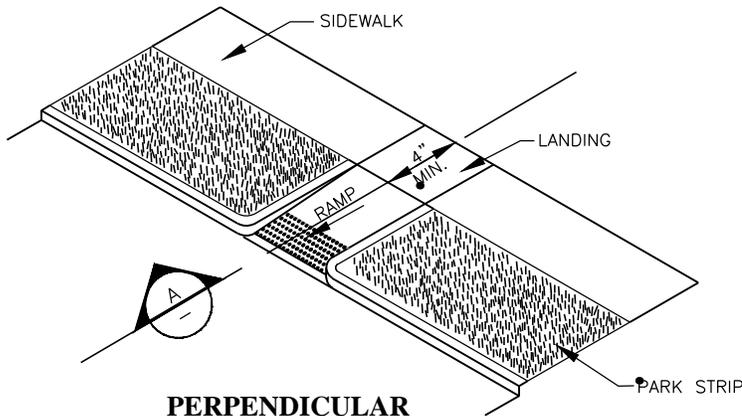
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DRAWING NAME: ST-4	REV	DATE BY COMMENTS
DRAWN BY: ETL		
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STANDARD DETAILS

STREET STANDARDS

ST-4

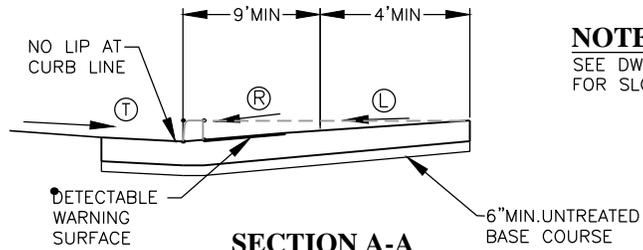


NOTE:

SIDEWALK SLOPES STEEPER THAN 8.3% SHOULD BE GIVEN CONSIDERATION FOR THE GRADE CHANGE TO BE COMPLIANT WITH ADA STANDARDS

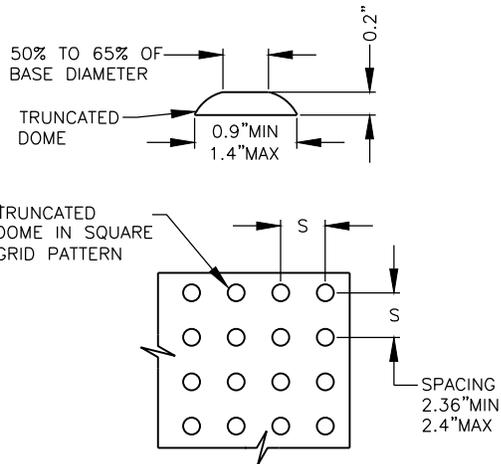
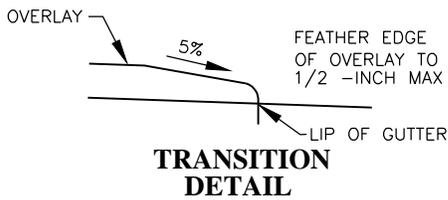
PERPENDICULAR PEDESTRIAN RAMP

FLARE IS ACCEPTABLE IN LIEU OF FULL HEIGHT CURB
SEE LOCAL AGENCY REQUIREMENTS

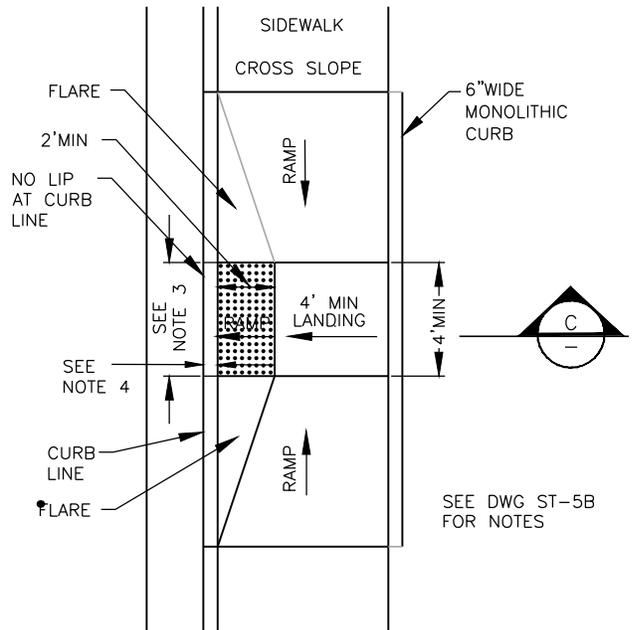


NOTE:

SEE DWG ST-5A FOR SLOPE DETAIL



DETECTABLE WARNING SURFACE DETAIL A



PEDESTRIAN ACCESS RAMP DETAIL

HANDICAP ACCESSIBLE RAMP

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DRAWING NAME: ST-5A
DRAWN BY: ETL
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SARATOGA SPRINGS CITY

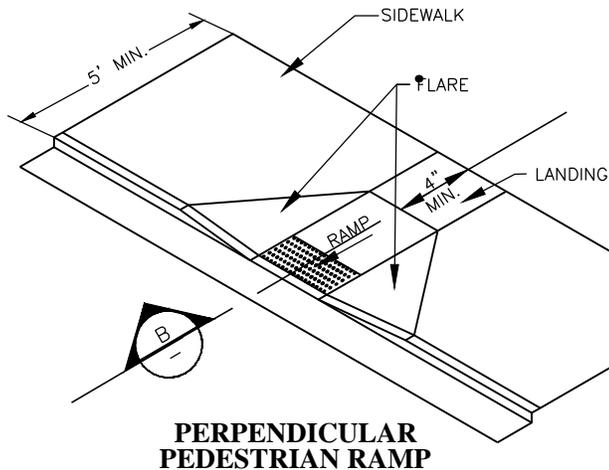
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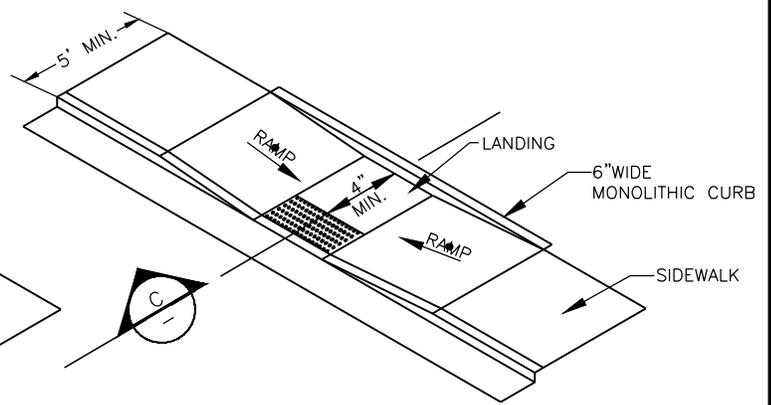
STANDARD DETAILS

STREET STANDARDS

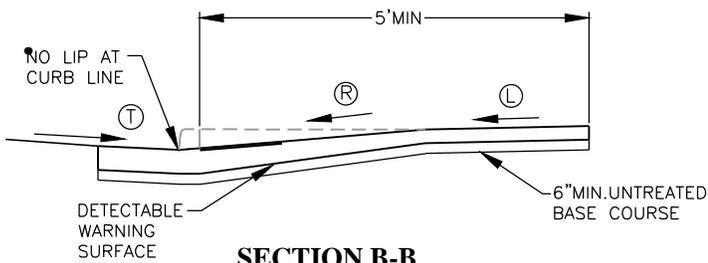
ST-5A



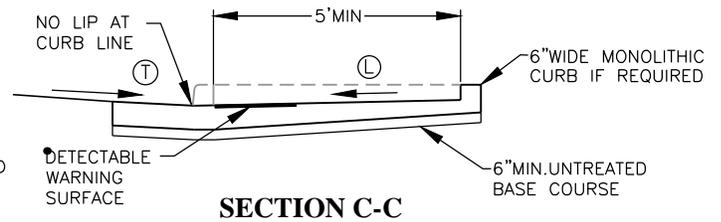
PERPENDICULAR PEDESTRIAN RAMP



PARALLEL PEDESTRIAN RAMP



SECTION B-B



SECTION C-C

SLOPE TABLE			
	ITEM	MAX. RUNNING SLOPE *	MAX. CROSS SLOPE *
(L)	LANDING	2% (1V:48H) (b)	2% (1V:48H) (b)
(R)	RAMP	8.33% (1V:12H) (c)	2% (1V:48H) (d)
(T)	TRANSITION	5% (1V:20H) (a)	2% (1V:48H) (d)
	SIDEWALK	--	2% (1V:48H)
	FLARE	10% (1V:10H)	--

* RUNNING SLOPE IS IN THE DIRECTION OF PEDESTRIAN TRAVEL, WHILE CROSS SLOPE IS PERPENDICULAR TO PEDESTRIAN TRAVEL.

(a) TRANSITION RUNNING SLOPE NEEDS TO BE CONSTANT ACROSS ENTIRE CURB CUT. WARP GUTTER PAN TO MEET REQUIRED TRANSITION SLOPE AT CURB CUT.

EXCEPTION:

(b) SLOPE REQUIREMENTS DO NOT APPLY AT MID-BLOCK CROSSINGS.

(c) PARALLEL RAMP ARE NOT REQUIRED TO EXCEED 15- FEET IN LENGTH.

(d) CROSS SLOPE REQUIREMENT DOES NOT APPLY AT PERPENDICULAR RAMP MID-BLOCK CROSSING.

NOTES:

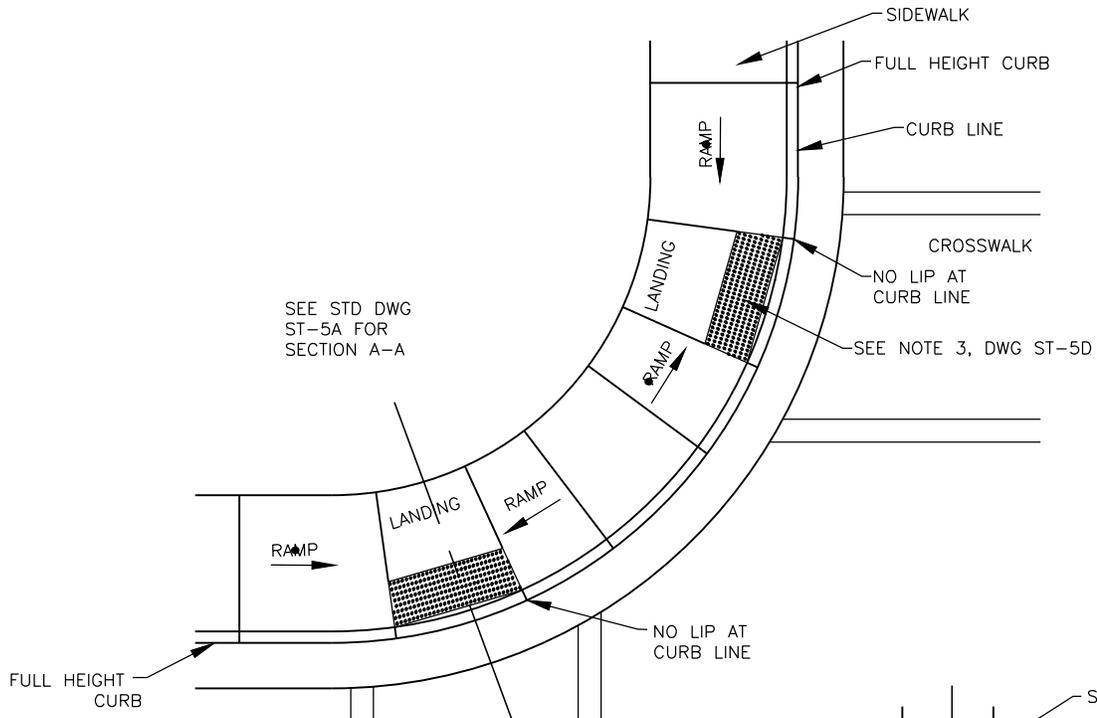
1. CONFIGURATION OF RAMPS AND LANDINGS MAY BE CHANGED BUT MUST MEET PEDESTRIAN RAMP DIMENSION AND SLOPE REQUIREMENTS. SPECIFIC SITE CONDITIONS WILL VARY. THE USE OF FLARES, CURBWALLS, ETC. ARE AT THE DISCRETION OF THE ENGINEER.
2. PERPENDICULAR AND PARALLEL PEDESTRIAN RAMPS SHOWN ON THIS DRAWING ARE ACCEPTABLE FOR USE AT MID BLOCK OR CORNER INSTALLATIONS. REFER TO STD DWG ST 5C, 5D AND ST 5C FOR EXAMPLES OF CORNER INSTALLATIONS.
3. PROVIDE DETECTABLE WARNING SURFACE FOR FULL WIDTH OF RAMP, LANDING, OR CURB CUT. SEE DETAIL A, DWG 5A, FOR DETECTABLE WARNING SURFACE DIMENSIONS.
4. LOCATE DETECTABLE WARNING SURFACE SO THAT THE EDGE NEAREST THE STREET IS 6" TO 8" FROM THE CURB LINE.
5. PROVIDE DETECTABLE WARNING SURFACE THAT CONTRASTS WITH ADJACENT WALKING SURFACE, EITHER LIGHT-ON-DARK OR DARK-ON-LIGHT. ACCEPTABLE COLORS INCLUDE: YELLOW.
6. USE CLASS AA(AE) CONCRETE.
7. USE UNTREATED BASE COURSE UNDER ALL CONCRETE FLATWORK.

HANDICAP ACCESSIBLE RAMP

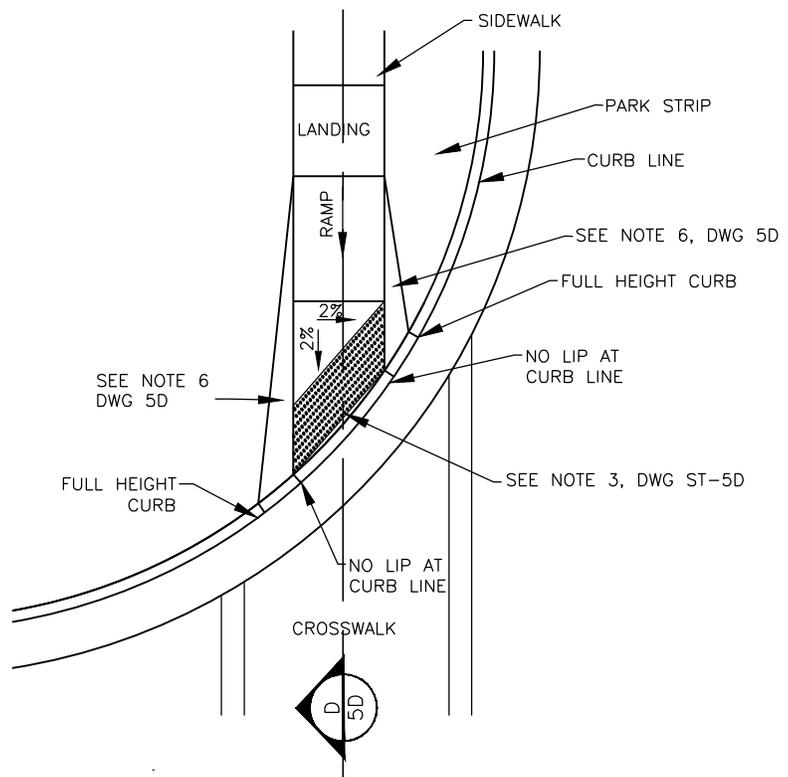
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DRAWING NAME: ST-5B		REV	DATE BY COMMENTS
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STANDARD DETAILS
STREET STANDARDS
ST-5B



**CORNER PEDESTRIAN RAMP
(TWO RAMPS)**



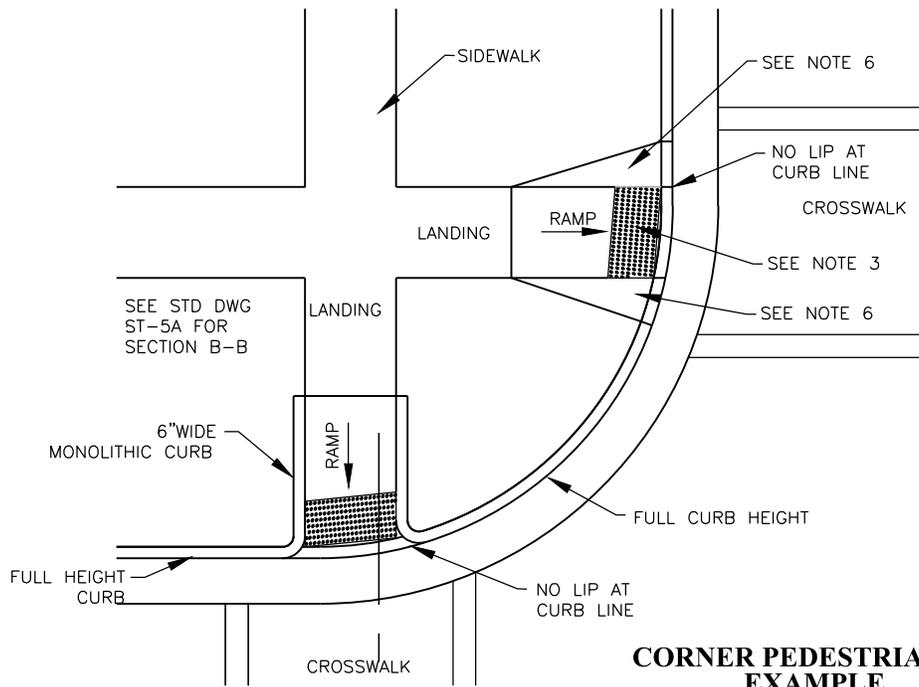
CORNER PEDESTRIAN RAMP

**HANDICAP ACCESSIBLE
RAMP**

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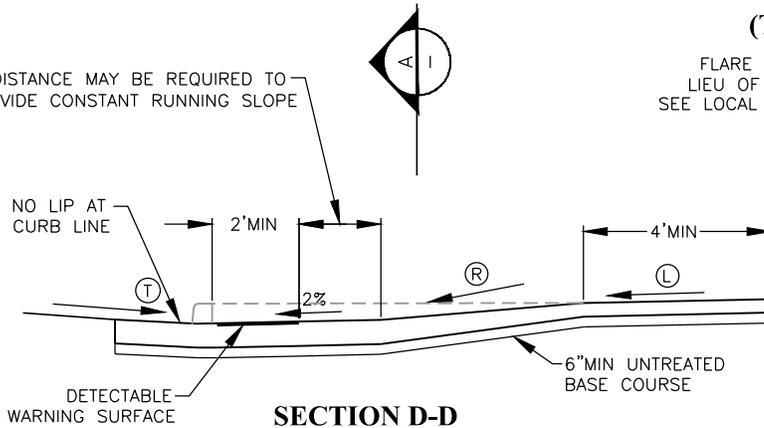
STANDARD DETAILS
STREET STANDARDS
ST-5C



**CORNER PEDESTRIAN RAMP
EXAMPLE
(TWO RAMPS)**

FLARE IS ACCEPTABLE IN LIEU OF FULL HEIGHT CURB
SEE LOCAL AGENCY REQUIREMENTS

THIS DISTANCE MAY BE REQUIRED TO
PROVIDE CONSTANT RUNNING SLOPE



SECTION D-D

NOTES:

1. REFER TO STD DWG ST-5A FOR PEDESTRIAN ACCESS RAMP DETAIL AND SLOPE REQUIREMENTS.
2. PROVIDE DETECTABLE WARNING SURFACE FOR FULL WIDTH OF RAMP, LANDING, OR CURB CUT. SEE DETAIL A ON STD DWG ST-5A FOR DETECTABLE WARNING SURFACE DIMENSIONS.
3. LOCATE DETECTABLE WARNING SURFACE SO THAT THE EDGE NEAREST THE STREET IS 6" TO 8" FROM THE CURB LINE.
4. WHEN DETECTABLE WARNING SURFACE IS CUT, GRIND REMAINING PORTION OF ANY CUT DOMES. SEAL ALL CUT PANEL EDGES TO PREVENT WATER DAMAGE.
5. LOCATE CURB CUT WITHIN CROSSWALK.
6. WARP FLATWORK TO MATCH TOP OF CURB AND SIDEWALK.

**HANDICAP ACCESSIBLE
RAMP**

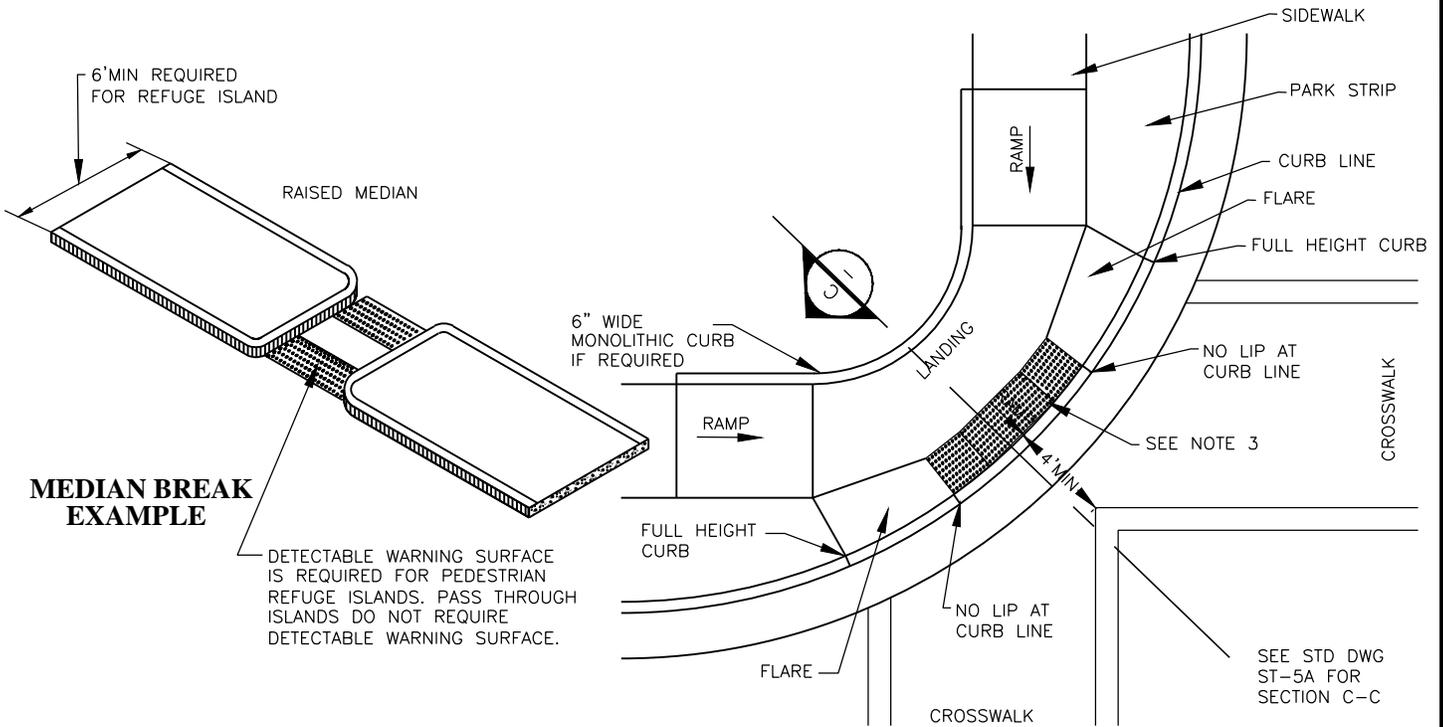
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STANDARD DETAILS

STREET STANDARDS

ST-5D



MEDIAN BREAK EXAMPLE

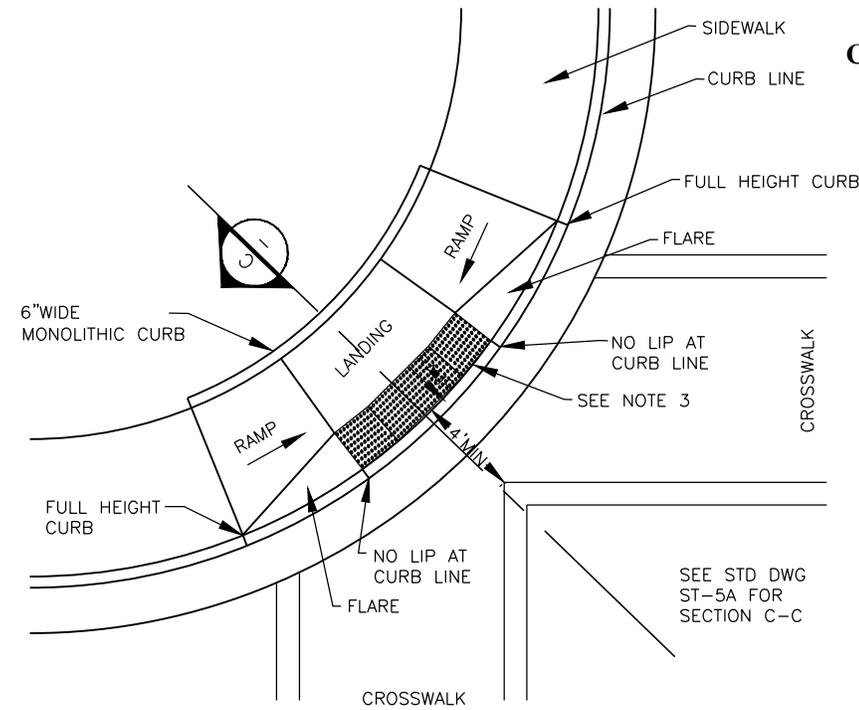
DETECTABLE WARNING SURFACE IS REQUIRED FOR PEDESTRIAN REFUGE ISLANDS. PASS THROUGH ISLANDS DO NOT REQUIRE DETECTABLE WARNING SURFACE.

CORNER PEDESTRIAN RAMP EXAMPLE

NOTES:

1. REFER TO STD DWG ST 5A FOR PEDESTRIAN ACCESS RAMP DETAIL AND SLOPE REQUIREMENTS.
2. PROVIDE DETECTABLE WARNING SURFACE FOR FULL WIDTH OF RAMP, LANDING, OR CURB CUT. SEE DETAIL A ON STD DWG ST 5A FOR DETECTABLE WARNING SURFACE DIMENSIONS.
3. LOCATE DETECTABLE WARNING SURFACE SO THAT THE EDGE NEAREST THE STREET IS 6" TO 8" FROM THE CURB LINE.
4. WHEN DETECTABLE WARNING SURFACE IS CUT, GRIND REMAINING PORTION OF ANY CUT DOMES. SEAL ALL CUT PANEL EDGES TO PREVENT WATER DAMAGE.
5. LOCATE CURB CUT WITHIN CROSSWALK.

CORNER PEDESTRIAN RAMP EXAMPLE



HANDICAP ACCESSIBLE RAMP

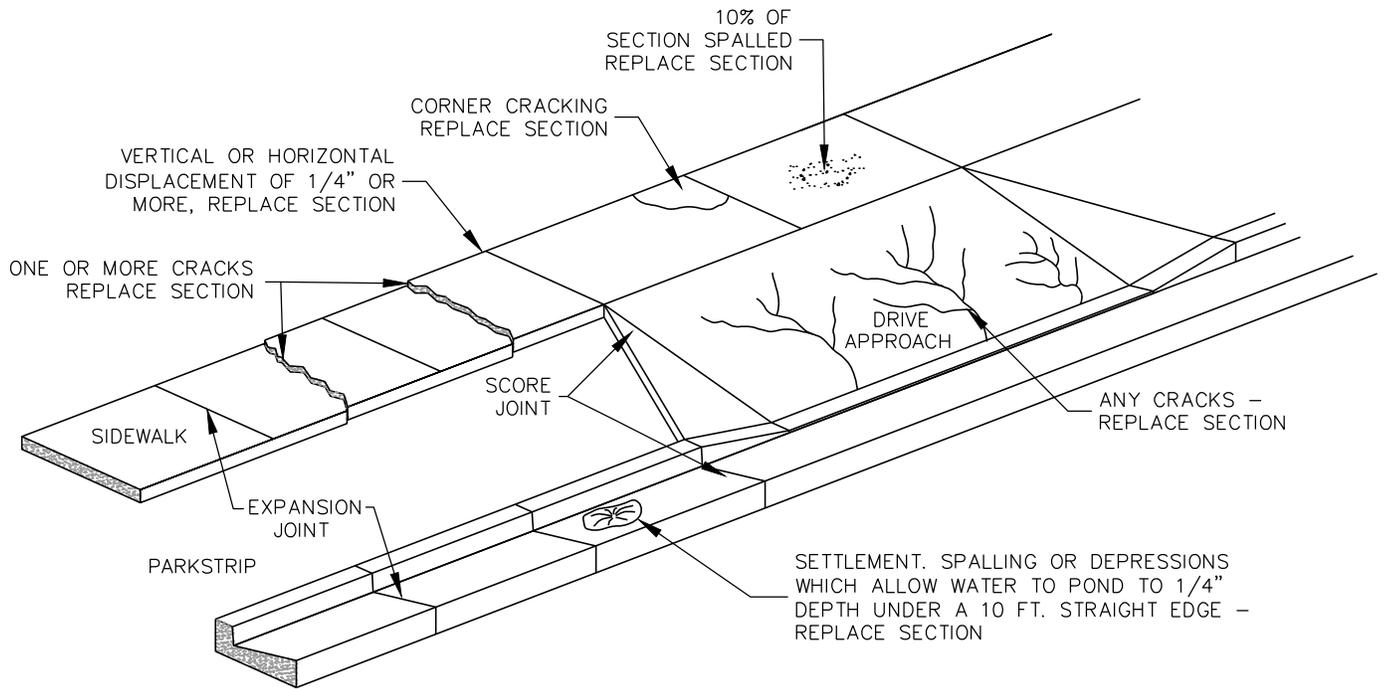
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STANDARD DETAILS

STREET STANDARDS

ST-5E



NOTES:

REPLACEMENT IS REQUIRED IF ANY COMPONENT HAS ONE OR MORE OF THE CONDITIONS NOTED ABOVE. OTHERWISE REPAIR SECTION UNDER THE DIRECTION OF THE CITY ENGINEER.

**DEFECTIVE CONCRETE
REPLACEMENT
CRITERIA**

DATE: APRIL 2014
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DRAWN BY: ETL
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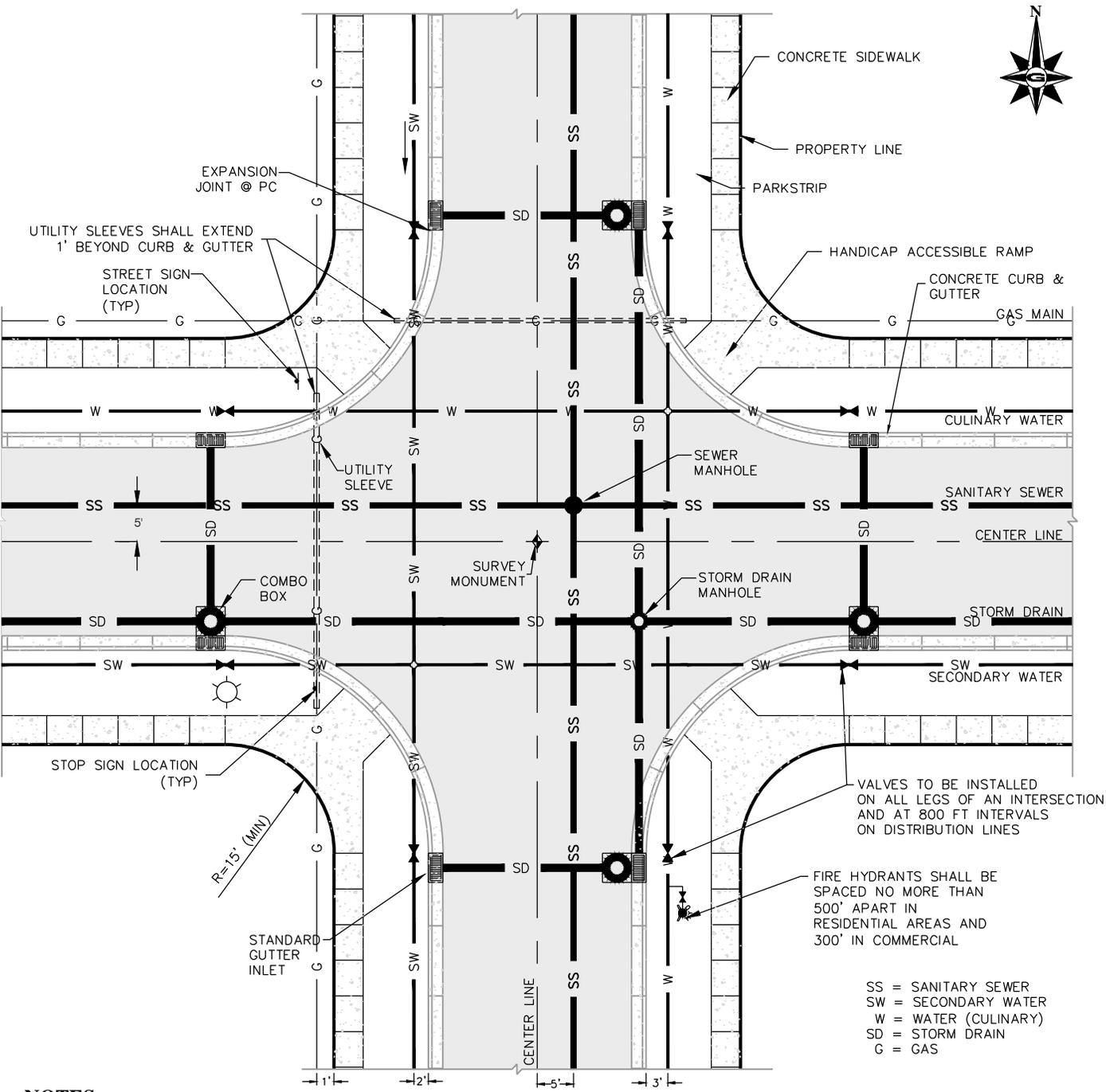
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STANDARD DETAILS

STREET STANDARDS

ST-6



NOTES:

1. LAND DRAINS ARE UNACCEPTABLE UNLESS EXPLICITLY ALLOWED BY CITY ENGINEER. WHEN ALLOWED, PIPES SHALL NOT BE PERFORATED OR DESIGNED TO ACCEPT WATER WITHIN THE STREET RIGHT-OF-WAY.
2. CURB RADIUS ON LOCAL AND COLLECTOR RIGHT-OF-WAYS SHALL BE 25', ON MINOR ARTERIALS IT SHALL BE 35', AND ON MAJOR AND PRINCIPAL ARTERIALS SHALL BE 40' AS MEASURED FROM FACE OF CURB.
3. CHECK ALL CITY STANDARDS FOR UTILITY LOCATIONS.
4. STREET LIGHTS ARE TO BE CENTERED IN PARK STRIPS.
5. STREET LIGHTS ARE TO BE PLACED AT INTERSECTIONS AND EVERY 300 FEET, ALTERNATING SIDES OF STREET.

**STANDARD
 INTERSECTION &
 UTILITY DETAILS**

DATE: APRIL 2014		REVISIONS	
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DRAWN BY: ETL			
CHECKED: APPROVED:			
SARATOGA SPRINGS CITY			
		1307 N. COMMERCE DR. #200, SARATOGA SPRINGS, UT 84045 PHONE: 801-766-4793 FAX: 801-766-8794	

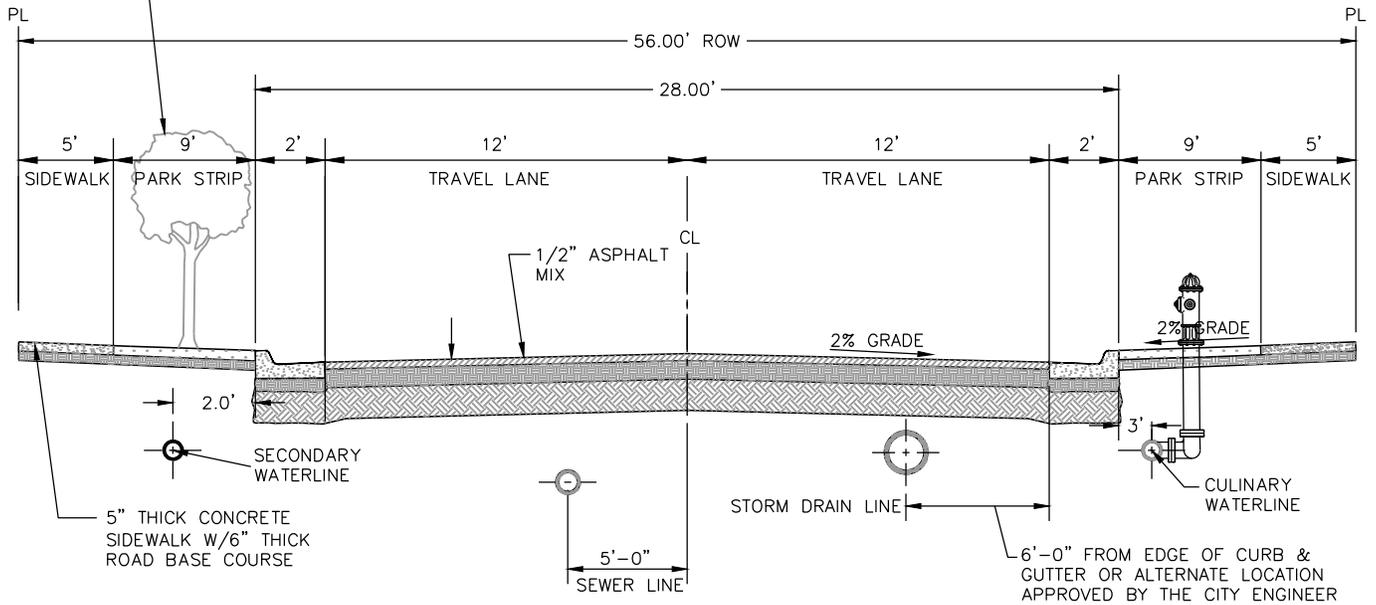


STANDARD DETAILS

STREET STANDARDS

ST-7

TREES SHALL MEET SPECIFICATIONS FOUND IN SECTION 02726. TREES ARE TO BE PLACED EVERY 50' ON BOTH SIDES OF THE ROAD. STAGGER LOCATIONS FROM ONE SIDE OF THE ROAD TO THE OTHER. GRADE "A" MINIMUM IN ALL APPLICATIONS.



NOTES:

1. MAXIMUM DIFFERENCE IN ELEVATION BETWEEN CURB ON OPPOSITE SIDES OF STREET SHALL NOT EXCEED 1'-0"
2. PAVEMENT DESIGN MAY BE AS RECOMMENDED BY A SOILS REPORT AND A GEOTECHNICAL ENGINEER, AND AS APPROVED BY CITY ENGINEER. LOCATION OF SIDEWALK AND CURB & GUTTER MAY VARY ON INDIVIDUAL ARTERIAL STREETS PER DIRECTION OF CITY ENGINEER.
3. ALL RESIDENTIAL STREETS SHALL CONFORM TO THE CROSS-SECTION DRAWING ABOVE UNLESS APPROVED OTHERWISE BY THE CITY ENGINEER.
4. PROVIDE A MINIMUM 6" THICKNESS OF 3/4" OR 1" CRUSHED GRAVEL BASE COURSE UNDER SIDEWALKS, DRIVEWAY APPROACHES, AND CURB & GUTTER.
5. INSTALL TYPE 2 SLURRY SEAL.
6. HOUSES MAY FRONT ON THESE STREETS.
7. THIS ROW CROSS SECTION SHALL BE PERMITTED FOR PRIVATE ROAD CROSS SECTIONS IN THE FOLLOWING ZONES: R-2, R-3 AND R-4.

DESIGN CRITERIA

DESIGN SPEED: 25 M.P.H.
 MIN CENTERLINE RADIUS: 200' MIN. UNLESS APPROVED OTHERWISE BY CITY ENGINEER.
 VERTICAL CURVE REQUIREMENTS: SAG K VALUE = 37
 CREST K VALUE = 20

**RESIDENTIAL
 ROADWAY
 56' RIGHT-OF-WAY**

DATE: APRIL 2014
DRAWING NAME: ST-8
DRAWN BY: ETL
CHECKED: APPROVED:

REVISIONS		
REV	DATE	BY

COMMENTS

**SARATOGA
 SPRINGS CITY**

1307 N. COMMERCE DR.
 #200, SARATOGA SPRINGS,
 UT 84045
 PHONE: 801-766-0793
 FAX: 801-766-8794

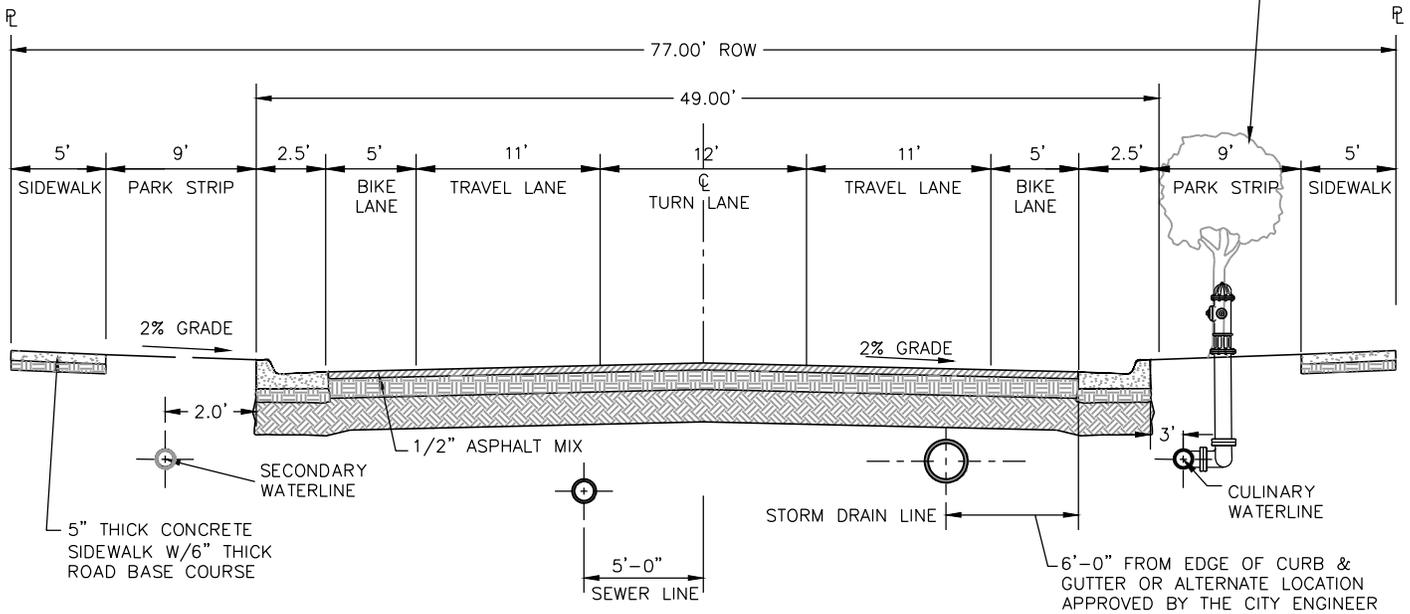


STANDARD DETAILS

STREET STANDARDS

ST-8

TREES SHALL MEET SPECIFICATIONS FOUND IN SECTION 02726. TREES ARE TO BE PLACED EVERY 50' ON BOTH SIDES OF THE ROAD. STAGGER LOCATIONS FROM ONE SIDE OF THE ROAD TO THE OTHER. GRADE "A" MINIMUM IN ALL APPLICATIONS.



NOTES:

1. MAXIMUM DIFFERENCE IN ELEVATION BETWEEN CURB ON OPPOSITE SIDES OF STREET SHALL NOT EXCEED 1'-0"
2. PAVEMENT DESIGN SHALL BE AS RECOMMENDED BY A SOILS REPORT AND A GEOTECHNICAL ENGINEER, AND AS APPROVED BY CITY ENGINEER.
3. ALL COLLECTORS SHALL CONFORM TO THE CROSS-SECTION DRAWING ABOVE UNLESS APPROVED OTHERWISE BY THE CITY ENGINEER.
4. PROVIDE A MINIMUM 6" THICKNESS OF 3/4" OR 1" CRUSHED GRAVEL BASE COURSE UNDER SIDEWALKS, DRIVEWAY APPROACHES, AND CURB & GUTTER.
5. INSTALL TYPE 2 SLURRY SEAL.
6. HOUSES ARE DISCOURAGED FROM FRONTING ON THESE STREETS.

DESIGN CRITERIA

DESIGN SPEED: 30 M.P.H.

MIN CENTERLINE RADIUS: 300' MIN. UNLESS APPROVED OTHERWISE BY CITY ENGINEER.

VERTICAL CURVE REQUIREMENTS: SAG K VALUE = 49

CREST K VALUE = 29

**COLLECTOR
77' RIGHT OF WAY**

DATE: APRIL 2014		REVISIONS	
DRAWING NAME: ST-9		REV	DATE BY COMMENTS
DRAWN BY: ETL			
CHECKED:	APPROVED:	SARATOGA SPRINGS CITY	
		<small>1307 N. COMMERCE DR. #200, SARATOGA SPRINGS, UT 84045 PHONE: 801-766-0793 FAX: 801-766-8794</small>	

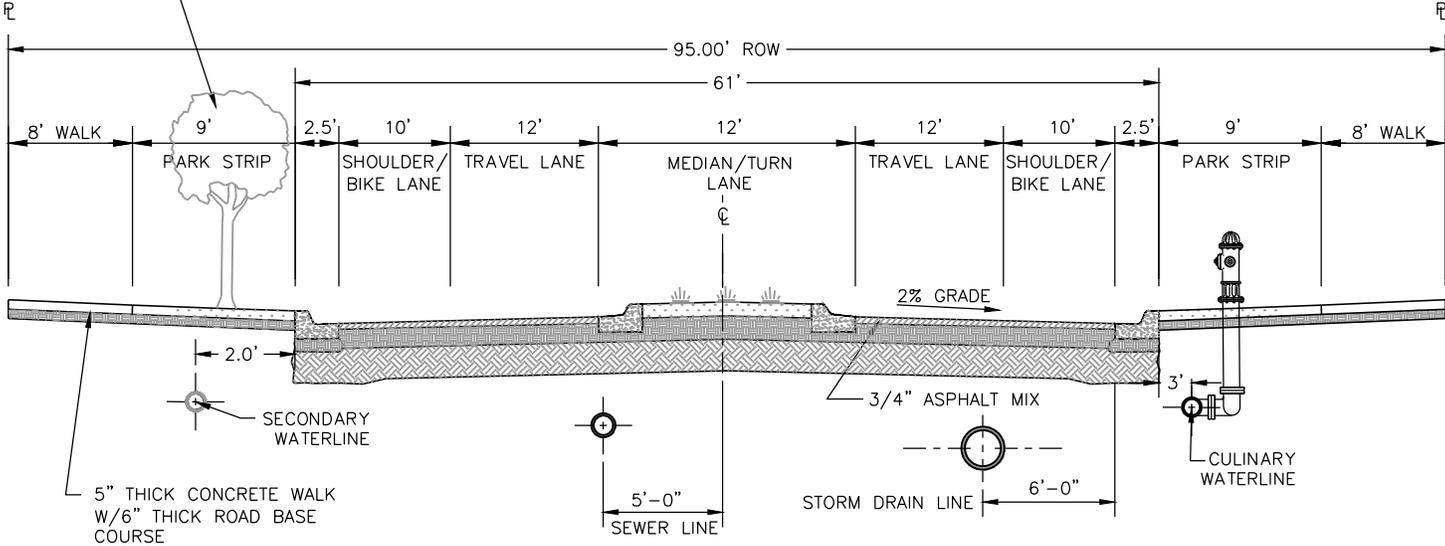


STANDARD DETAILS

STREET STANDARDS

ST-9

TREES SHALL MEET SPECIFICATIONS FOUND IN SECTION 02726. TREES ARE TO BE PLACED EVERY 50' ON BOTH SIDES OF THE ROAD. STAGGER LOCATIONS FROM ONE SIDE OF THE ROAD TO THE OTHER. GRADE "A" MINIMUM IN ALL APPLICATIONS.



NOTES:

1. MAXIMUM DIFFERENCE IN ELEVATION BETWEEN CURB ON OPPOSITE SIDES OF STREET SHALL NOT EXCEED 1'-0"
2. PAVEMENT DESIGN SHALL BE AS RECOMMENDED BY A SOILS REPORT AND A GEOTECHNICAL ENGINEER, AND AS APPROVED BY CITY ENGINEER.
3. ALL MINOR ARTERIALS SHALL CONFORM TO THE CROSS-SECTION DRAWING ABOVE UNLESS APPROVED OTHERWISE BY THE CITY ENGINEER.
4. PROVIDE A MINIMUM 6" THICKNESS OF 3/4" OR 1" CRUSHED GRAVEL BASE COURSE UNDER SIDEWALKS, DRIVEWAY APPROACHES, AND CURB & GUTTER.
5. INSTALL TYPE 2 SLURRY SEAL.
6. COMMERCIAL OR INDUSTRIAL DRIVEWAYS CAN ENTER THIS ROADWAY, BUT ARE TO BE MINIMIZED.
7. HOUSES ARE NOT PERMITTED TO FRONT ON THESE STREETS.
8. PAVEMENT SECTION SHALL BE ADEQUATE FOR CONSTRUCTION TRAFFIC OR AN ALTERNATE ROUTE SHALL BE PROVIDED.

DESIGN CRITERIA

DESIGN SPEED: 40 M.P.H.
 MIN CENTERLINE RADIUS: 565' MIN. UNLESS APPROVED OTHERWISE BY CITY ENGINEER.
 VERTICAL CURVE REQUIREMENTS: SAG K VALUE = 64
 CREST K VALUE = 44

**MINOR ARTERIAL
 95' RIGHT-OF-WAY**

DATE: APRIL 2014
DRAWING NAME: ST-10
DRAWN BY: ETL
CHECKED: APPROVED:

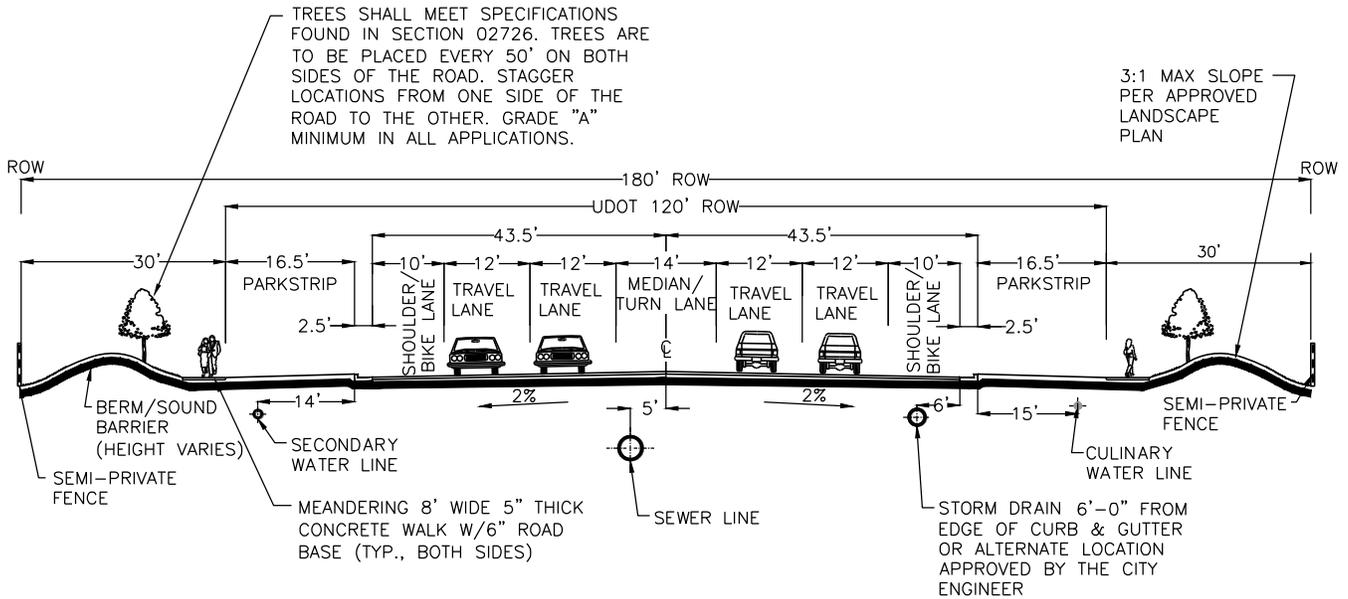
REVISIONS		
REV	DATE	BY

**SARATOGA
 SPRINGS CITY**

1307 N. COMMERCE DR.
 #200, SARATOGA SPRINGS,
 UT 84045
 PHONE: 801-766-0793
 FAX: 801-766-9794



STANDARD DETAILS
 STREET STANDARDS
ST-10



NOTES:

1. MAXIMUM DIFFERENCE IN ELEVATION BETWEEN CURB ON OPPOSITE SIDES OF STREET SHALL NOT EXCEED 1'-0"
2. PAVEMENT DESIGN SHALL BE AS RECOMMENDED BY A SOILS REPORT AND A GEOTECHNICAL ENGINEER, AND AS APPROVED BY CITY ENGINEER.
3. ALL MAJOR ARTERIAL ROADWAYS SHALL CONFORM TO THE CROSS-SECTION DRAWING ABOVE UNLESS APPROVED OTHERWISE BY THE CITY ENGINEER.
4. PROVIDE A MINIMUM 6" THICKNESS OF 3/4" OR 1" CRUSHED GRAVEL BASE COURSE UNDER SIDEWALKS, DRIVEWAY APPROACHES, AND CURB & GUTTER.
5. INSTALL TYPE 2 SLURRY SEAL.
6. HOUSES ARE NOT PERMITTED TO FRONT ON THESE STREETS.
7. ALL COMMERCIAL OR INDUSTRIAL ACCESSSES ARE TO BE MINIMIZED.

DESIGN CRITERIA

DESIGN SPEED: 55 M.P.H.

MIN CENTERLINE RADIUS: 1190' MIN. UNLESS APPROVED OTHERWISE BY CITY ENGINEER.

VERTICAL CURVE REQUIREMENTS: SAG K VALUE = 115

CREST K VALUE = 114

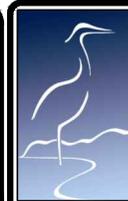
**MAJOR
ARTERIAL ROADWAY
180' RIGHT-OF-WAY**

DATE: APRIL 2014
DRAWING NAME: ST-11
DRAWN BY: ETL
CHECKED: APPROVED:

REVISIONS		
REV	DATE	BY

SARATOGA
SPRINGS CITY

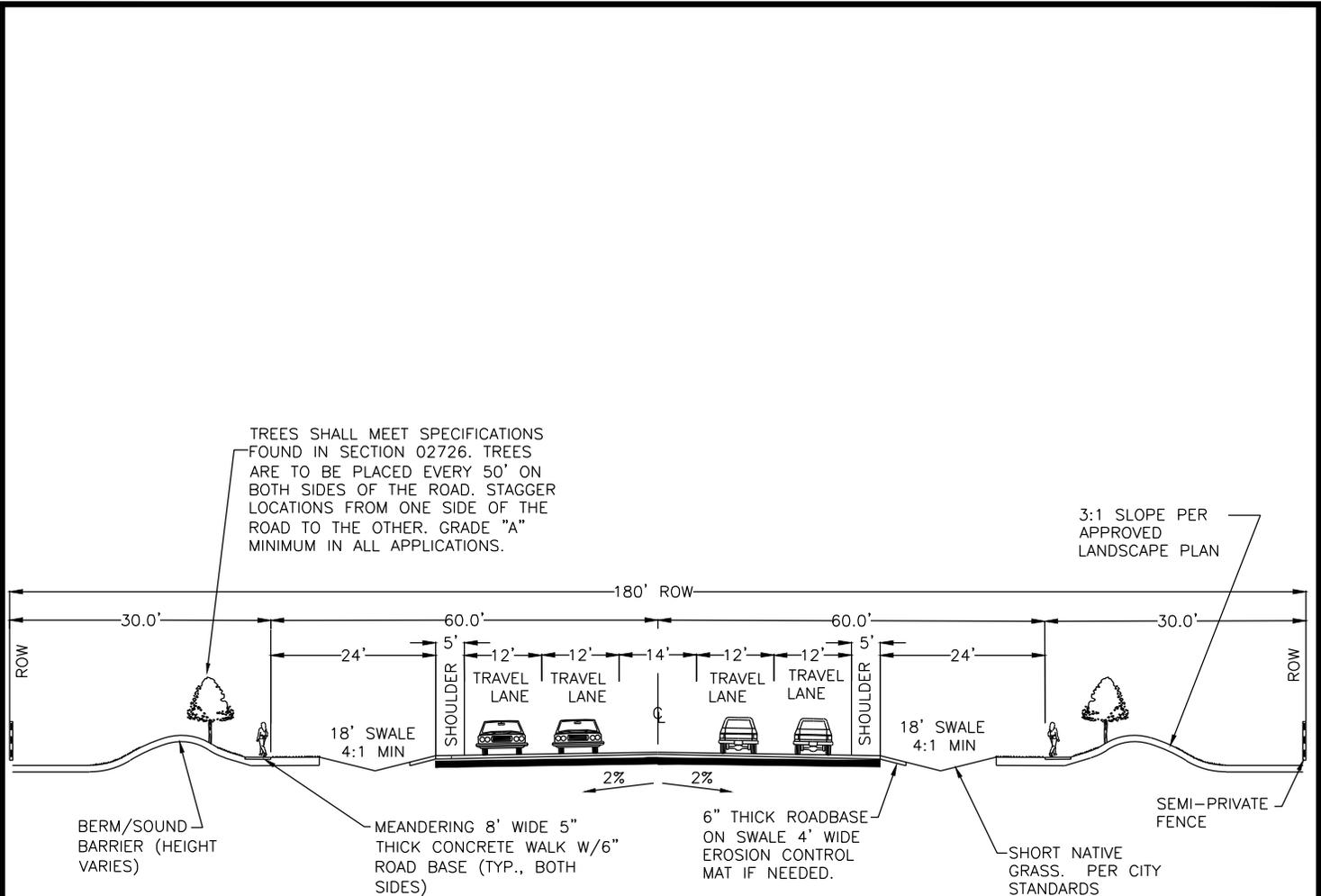
1307 N. COMMERCE DR.
#200, SARATOGA SPRINGS,
UT 84045
PHONE: 801-766-4793
FAX: 801-766-8794



STANDARD DETAILS

STREET STANDARDS

ST-11



NOTES:

1. MAXIMUM DIFFERENCE IN ELEVATION BETWEEN CURB ON OPPOSITE SIDES OF STREET SHALL NOT EXCEED 1'-0"
2. PAVEMENT DESIGN SHALL BE AS RECOMMENDED BY A SOILS REPORT AND A GEOTECHNICAL ENGINEER, AND AS APPROVED BY CITY ENGINEER.
3. ARTERIAL ROADWAYS SHALL CONFORM TO THE CROSS-SECTION DRAWING ABOVE WHEN EXISTING ROADWAY IS 3 LANES OR LESS.
4. PROVIDE A MINIMUM 6" THICKNESS OF 3/4" OR 1" CRUSHED GRAVEL BASE COURSE UNDER SIDEWALKS, DRIVEWAY APPROACHES, AND CURB & GUTTER.
5. INSTALL TYPE 2 SLURRY SEAL.
6. HOUSES ARE NOT PERMITTED TO FRONT ON THESE STREETS.
7. ALL COMMERCIAL OR INDUSTRIAL DRIVEWAY ARE TO BE MINIMIZED.

DESIGN CRITERIA

DESIGN SPEED: 55 M.P.H.

MIN CENTERLINE RADIUS: 1190' MIN. UNLESS APPROVED OTHERWISE BY CITY ENGINEER.

VERTICAL CURVE REQUIREMENTS: SAG K VALUE = 115
CREST K VALUE = 114

**INTERIM 180'
RIGHT-OF-WAY
ARTERIAL STANDARD**

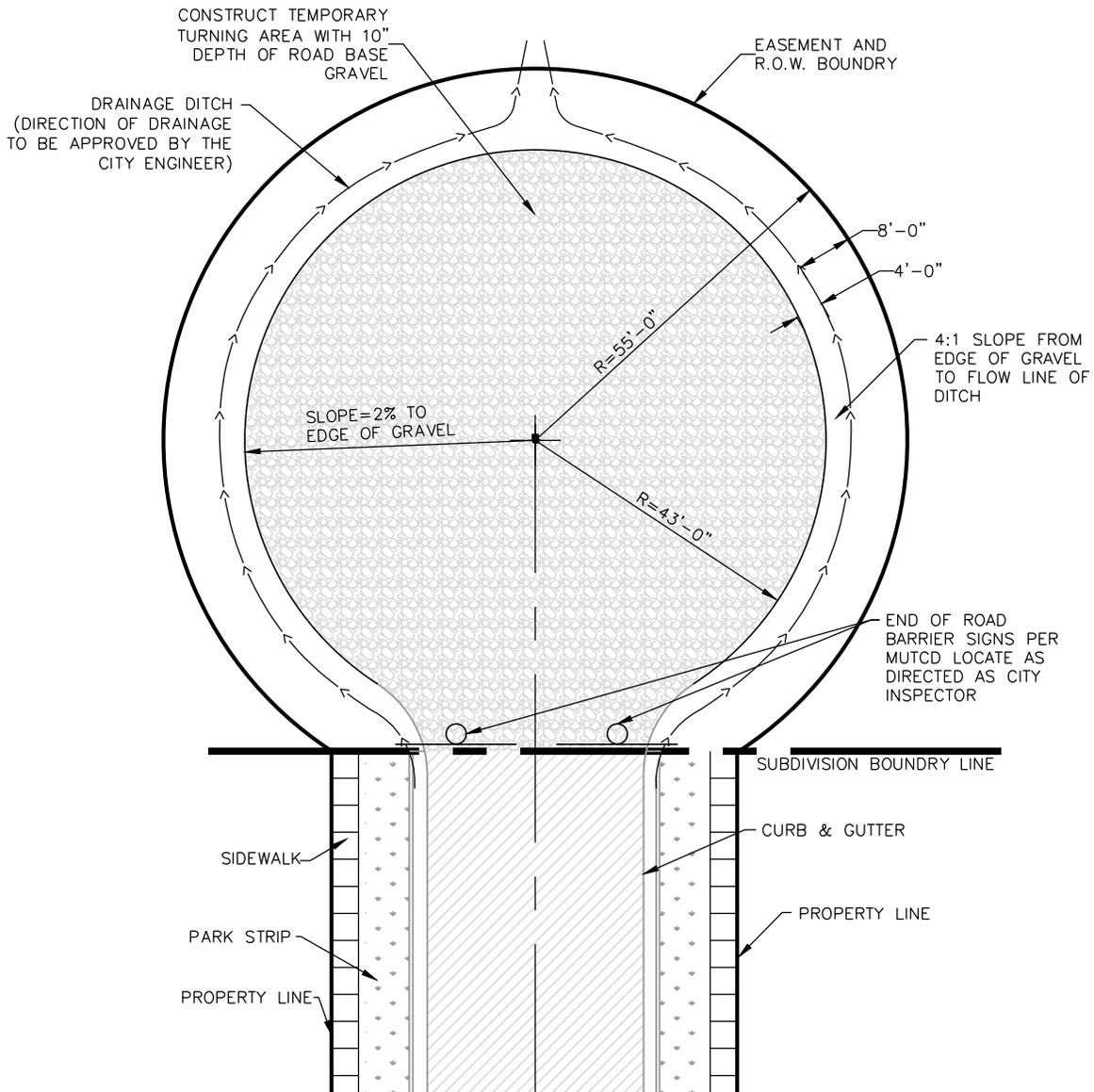
DATE: APRIL 2014		REVISIONS	
DRAWING NAME: ST-13		REV	DATE BY COMMENTS
DRAWN BY: ETL			
CHECKED:	APPROVED:	SARATOGA SPRINGS CITY	
		1307 N. COMMERCE DR. #200, SARATOGA SPRINGS, UT 84045 PHONE: 801-766-9793 FAX: 801-766-9794	



STANDARD DETAILS

STREET STANDARDS

ST-13



**STANDARD TEMPORARY
TURN AROUND**

DATE:
APRIL 2014

DRAWING NAME:
ST-14

DRAWN BY:
ETL

CHECKED: APPROVED:

REVISIONS		
REV	DATE	BY

**SARATOGA
SPRINGS CITY**

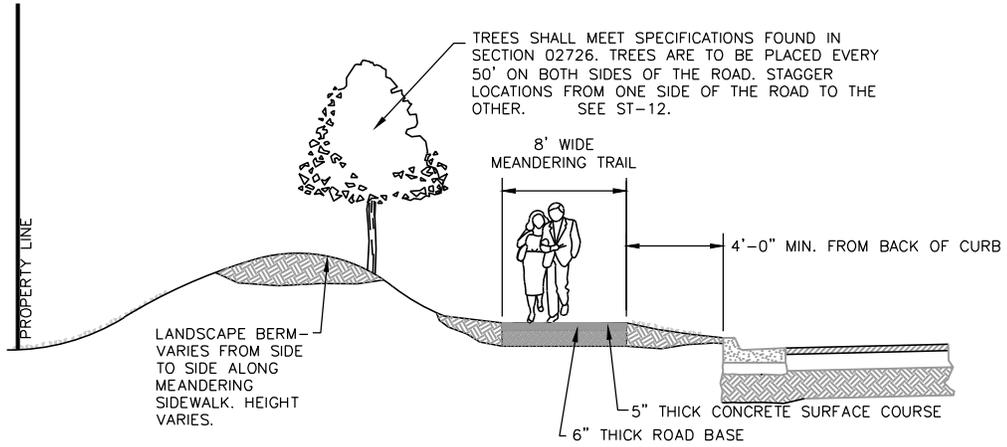
1307 N. COMMERCE DR.
#200, SARATOGA SPRINGS,
UT 84045
PHONE: 801-766-4793
FAX: 801-766-8794



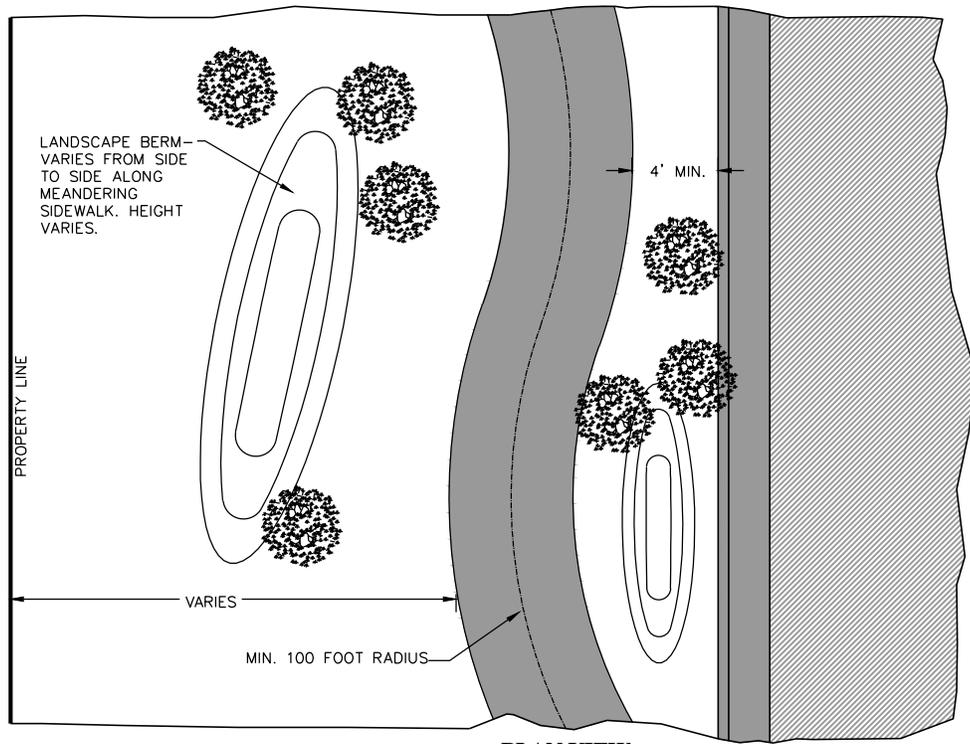
STANDARD DETAILS

STREET STANDARDS

ST-14



SECTION VIEW



PLAN VIEW

NOTES:

1. MEANDERING SIDEWALKS/TRAILS SHALL BE PERMITTED ON ARTERIAL STREETS ONLY, UNLESS APPROVED BY CITY ENGINEER.
2. CENTER LINE RADIUS OF MEANDERING SIDEWALKS/TRAILS SHALL BE APPROVED BY CITY ENGINEER.
3. CONSTRUCTION JOINTS @ 8' INTERVALS EXPANSION JOINTS @ 40' INTERVALS

8' WIDE TRAIL STANDARDS

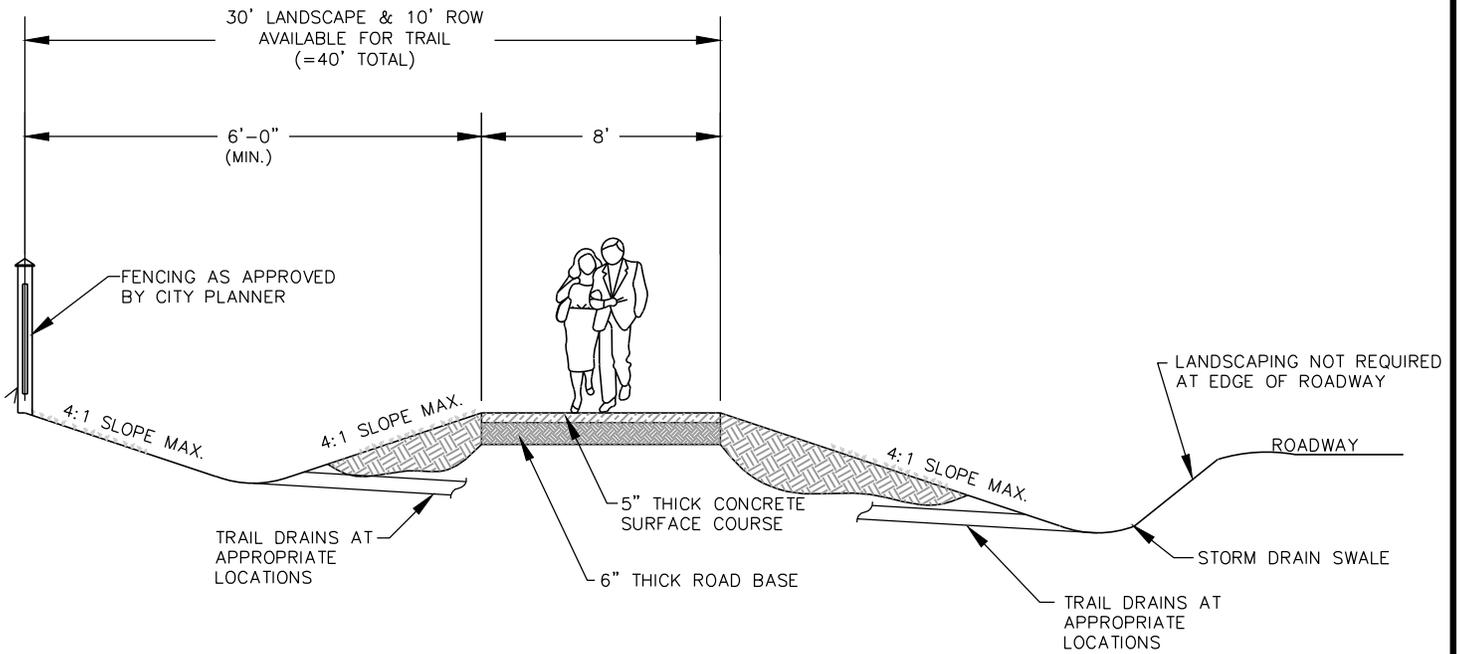
DATE: APRIL 2014		REVISIONS	
DRAWING NAME: ST-15A		REV	COMMENTS
DRAWN BY: ETL			
CHECKED:	APPROVED:	SARATOGA SPRINGS CITY 1307 N. COMMERCE DR. #200, SARATOGA SPRINGS, UT 84045 PHONE: 801-766-0793 FAX: 801-766-8794	



STANDARD DETAILS

STREET STANDARDS

ST-15A



NOTES:

1. MEANDERING SIDEWALKS/TRAILS SHALL BE PERMITTED ONLY, APPROVED BY CITY ENGINEER AND CITY PLANNER
2. CENTER LINE RADIUS OF MEANDERING SIDEWALKS/TRAILS SHALL BE APPROVED BY CITY ENGINEER
3. CONSTRUCTION JOINTS @ 8' INTERVALS EXPANSION JOINTS @ 40' INTERVALS

**8' WIDE
TRAIL STANDARDS
FOR INTERIM ROADS**

DATE: APRIL 2014
DRAWING NAME: ST-15B
DRAWN BY: ETL
CHECKED: APPROVED:

REVISIONS		
REV	DATE	BY

**SARATOGA
SPRINGS CITY**

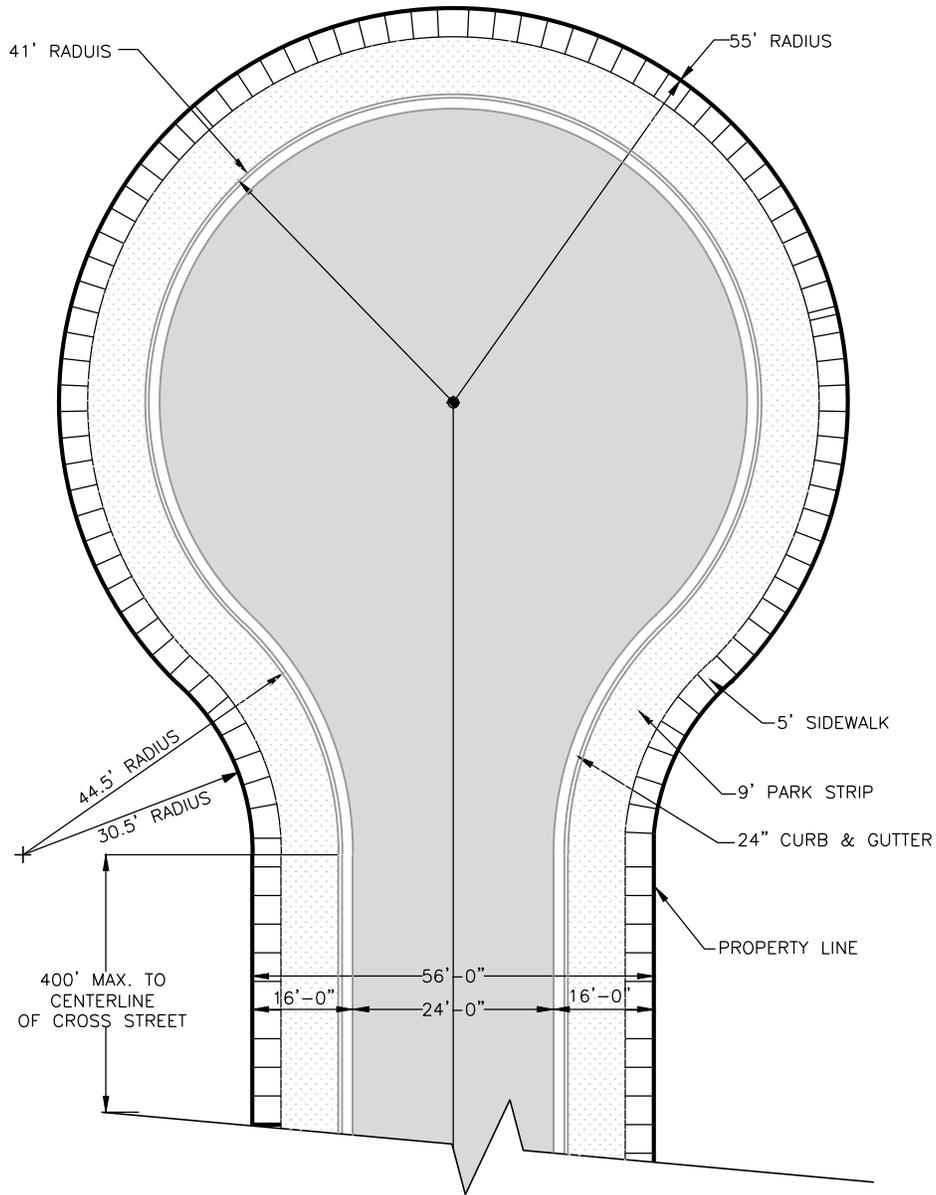
1307 N. COMMERCE DR.
#200, SARATOGA SPRINGS,
UT 84045
PHONE: 801-766-4793
FAX: 801-766-8794



STANDARD DETAILS

STREET STANDARDS

ST-15B



NOTE:
 MAXIMUM 4.0% SLOPE IN CUL-DE-SAC IN ANY DIRECTION

**STANDARD
 CUL-DE-SAC**

DATE: APRIL 2014
DRAWING NAME: ST-16
DRAWN BY: ETL
CHECKED: APPROVED:

REVISIONS		
REV	DATE	BY

**SARATOGA
 SPRINGS CITY**

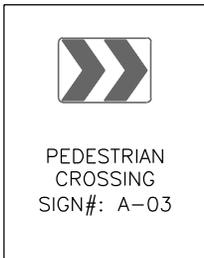
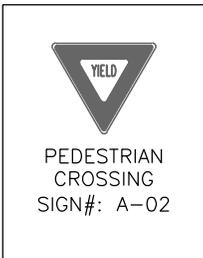
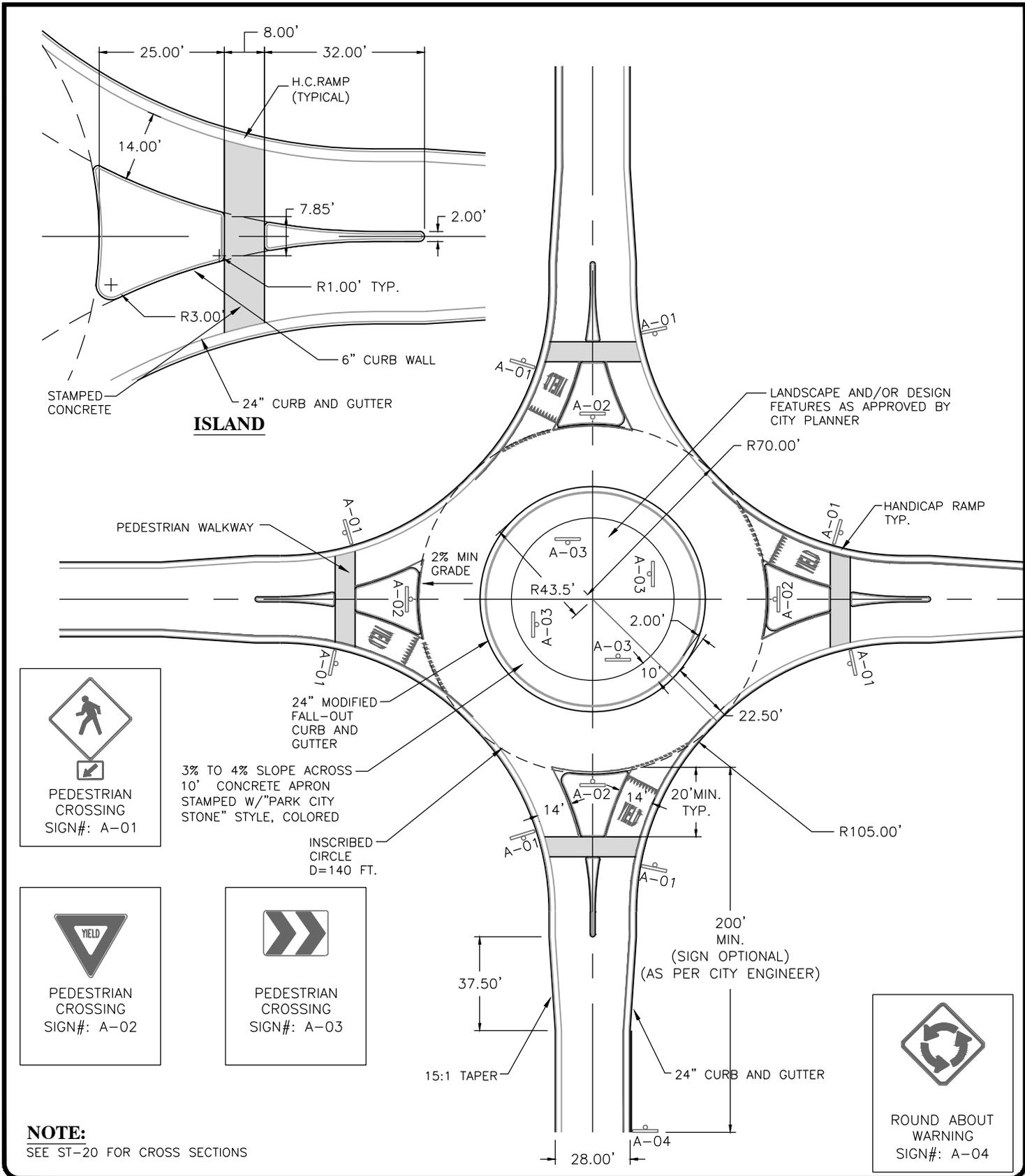
1307 N. COMMERCE DR.
 #200, SARATOGA SPRINGS,
 UT 84045
 PHONE: 801-766-0793
 FAX: 801-766-8794



STANDARD DETAILS

STREET STANDARDS

ST-16



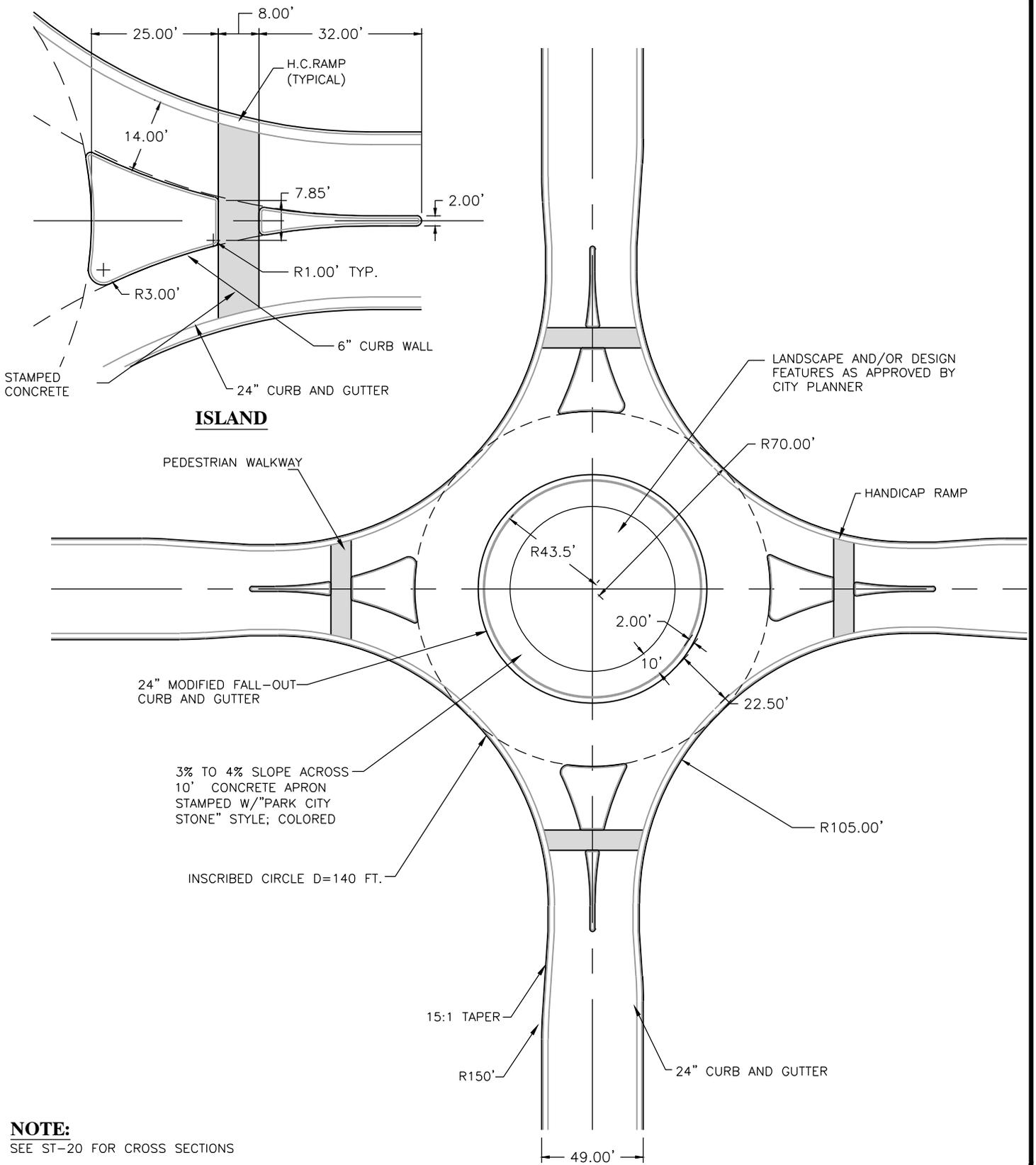
NOTE:
SEE ST-20 FOR CROSS SECTIONS

**ROUND-ABOUT
RESIDENTIAL
56' RIGHT-OF-WAY**

DATE: APRIL 2014	REVISIONS	
DRAWING NAME: ST-17	REV	DATE BY COMMENTS
DRAWN BY: ETL		
CHECKED: APPROVED:	SARATOGA SPRINGS CITY	
	1307 N. COMMERCE DR. #200, SARATOGA SPRINGS, UT 84045 PHONE: 801-766-4793 FAX: 801-766-8794	



STANDARD DETAILS
STREET STANDARDS
ST-17



NOTE:

SEE ST-20 FOR CROSS SECTIONS

**ROUND-ABOUT
MINOR COLLECTOR-
77' CROSS SECTION**

DATE: APRIL 2014
DRAWING NAME: ST-18
DRAWN BY: ETL
CHECKED: APPROVED:

REVISIONS		
REV	DATE	BY

**SARATOGA
SPRINGS CITY**

1307 N. COMMERCE DR.
#200, SARATOGA SPRINGS,
UT 84045
PHONE: 801-766-4793
FAX: 801-766-8794



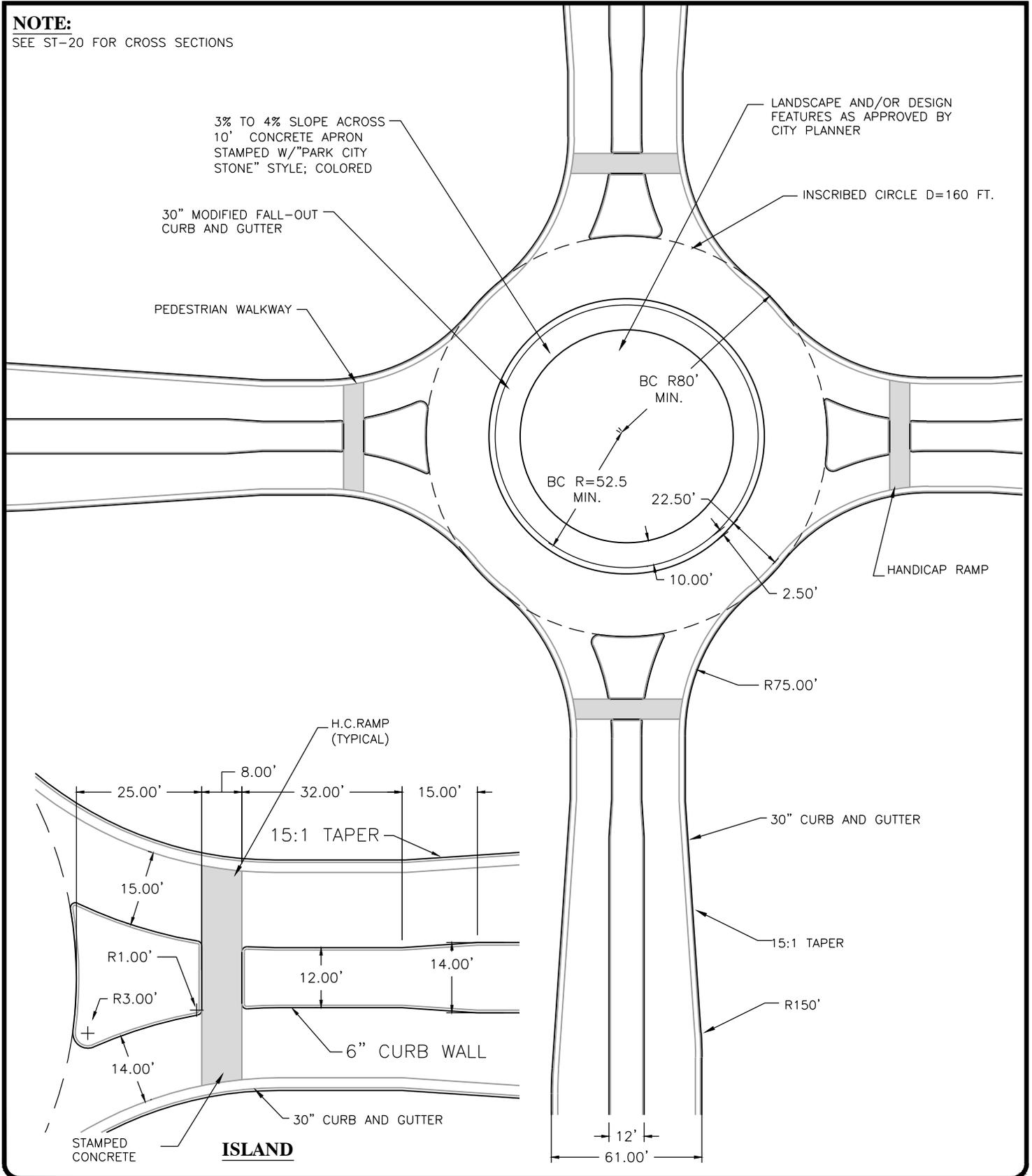
STANDARD DETAILS

STREET STANDARDS

ST-18

NOTE:

SEE ST-20 FOR CROSS SECTIONS



**ROUND-ABOUT
95' MINOR ARTERIAL
RIGHT- OF - WAY**

DATE: APRIL 2014
DRAWING NAME: ST-19
DRAWN BY: ETL
CHECKED: APPROVED:

REVISIONS		
REV	DATE	BY

**SARATOGA
SPRINGS CITY**

1307 N. COMMERCE DR.
#200, SARATOGA SPRINGS,
UT 84045
PHONE: 801-766-0793
FAX: 801-766-8794

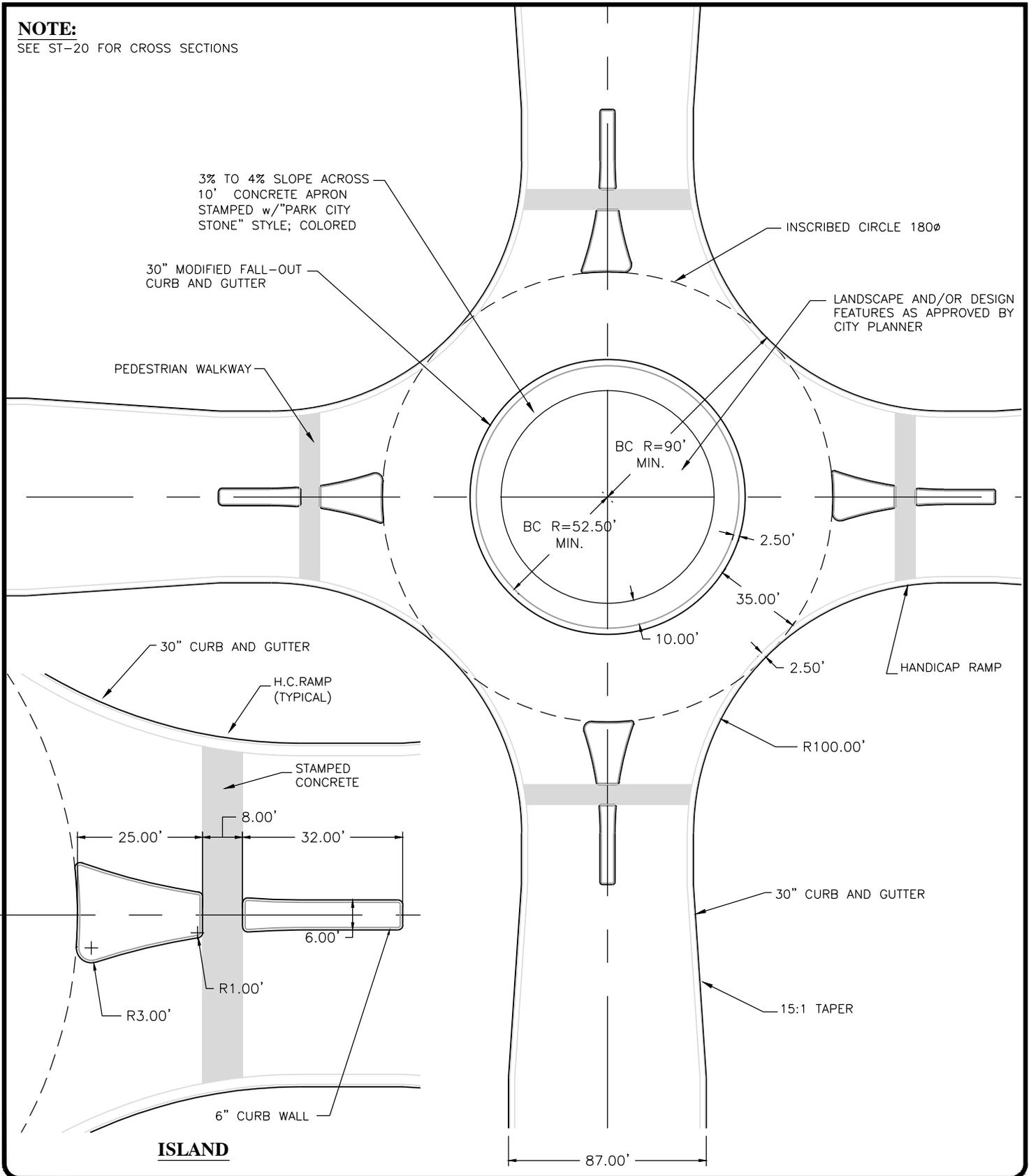


STANDARD DETAILS
STREET STANDARDS

ST-19

NOTE:

SEE ST-20 FOR CROSS SECTIONS



**ROUND-ABOUT
MAJOR
ARTERIAL COLLECTOR
180' RIGHT-OF-WAY**

DATE: APRIL 2014
DRAWING NAME: ST-20
DRAWN BY: ETL
CHECKED: _____ APPROVED: _____

REVISIONS		
REV	DATE	BY

COMMENTS

**SARATOGA
SPRINGS CITY**

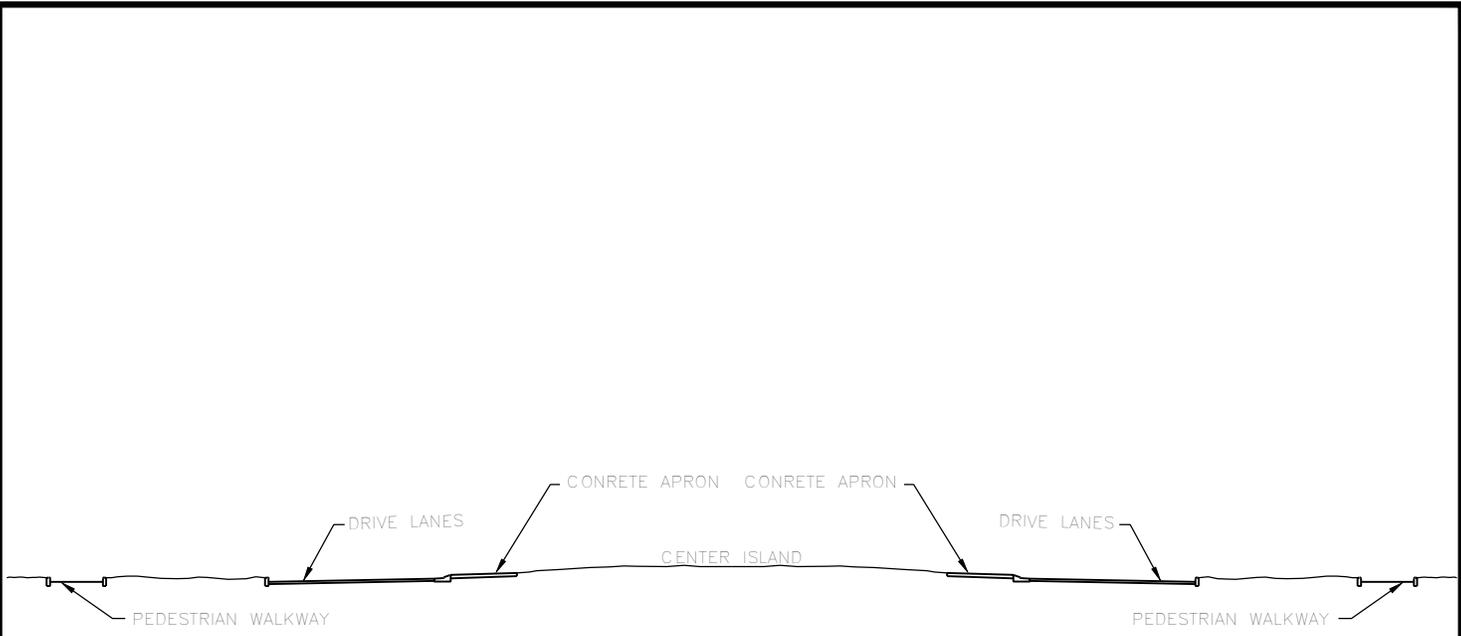
1307 N. COMMERCE DR.
#200, SARATOGA SPRINGS,
UT 84045
PHONE: 801-766-0793
FAX: 801-766-8794



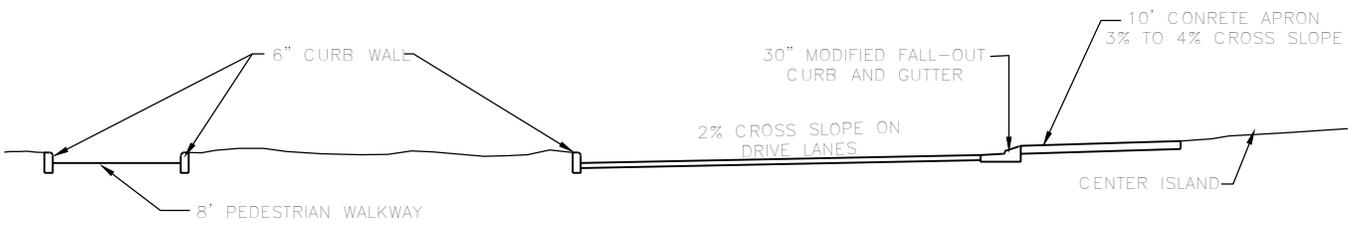
STANDARD DETAILS

STREET STANDARDS

ST-20



FULL CROSS SECTION



HALF WIDTH CROSS SECTION

**ROUND-ABOUT
TYPICAL CROSS
SECTION**

DATE: APRIL 2014
DRAWING NAME: ST-21
DRAWN BY: ETL
CHECKED: APPROVED:

REVISIONS		
REV	DATE	BY

**SARATOGA
SPRINGS CITY**

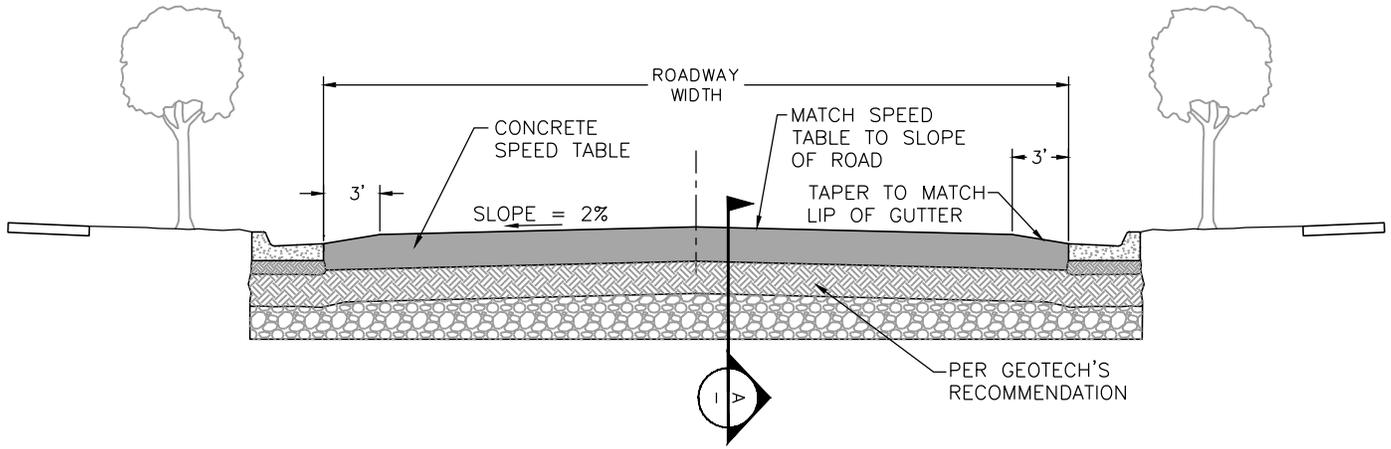
1307 N. COMMERCE DR.
#200, SARATOGA SPRINGS,
UT 84045
PHONE: 801-766-9793
FAX: 801-766-9794



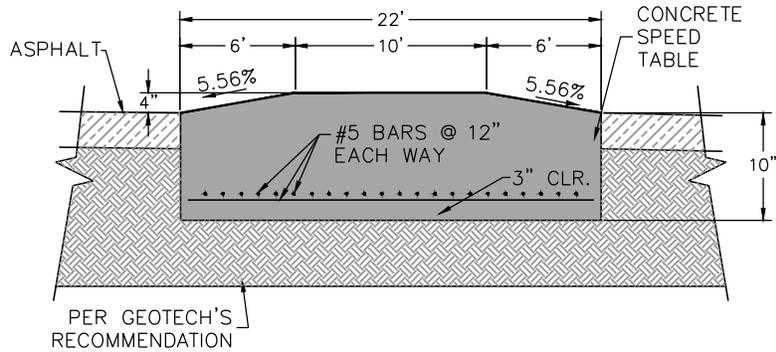
STANDARD DETAILS

STREET STANDARDS

ST-21



TYPICAL - CROSS SECTION



SECTION A
NTS

**SPEED TABLE
DETAIL**

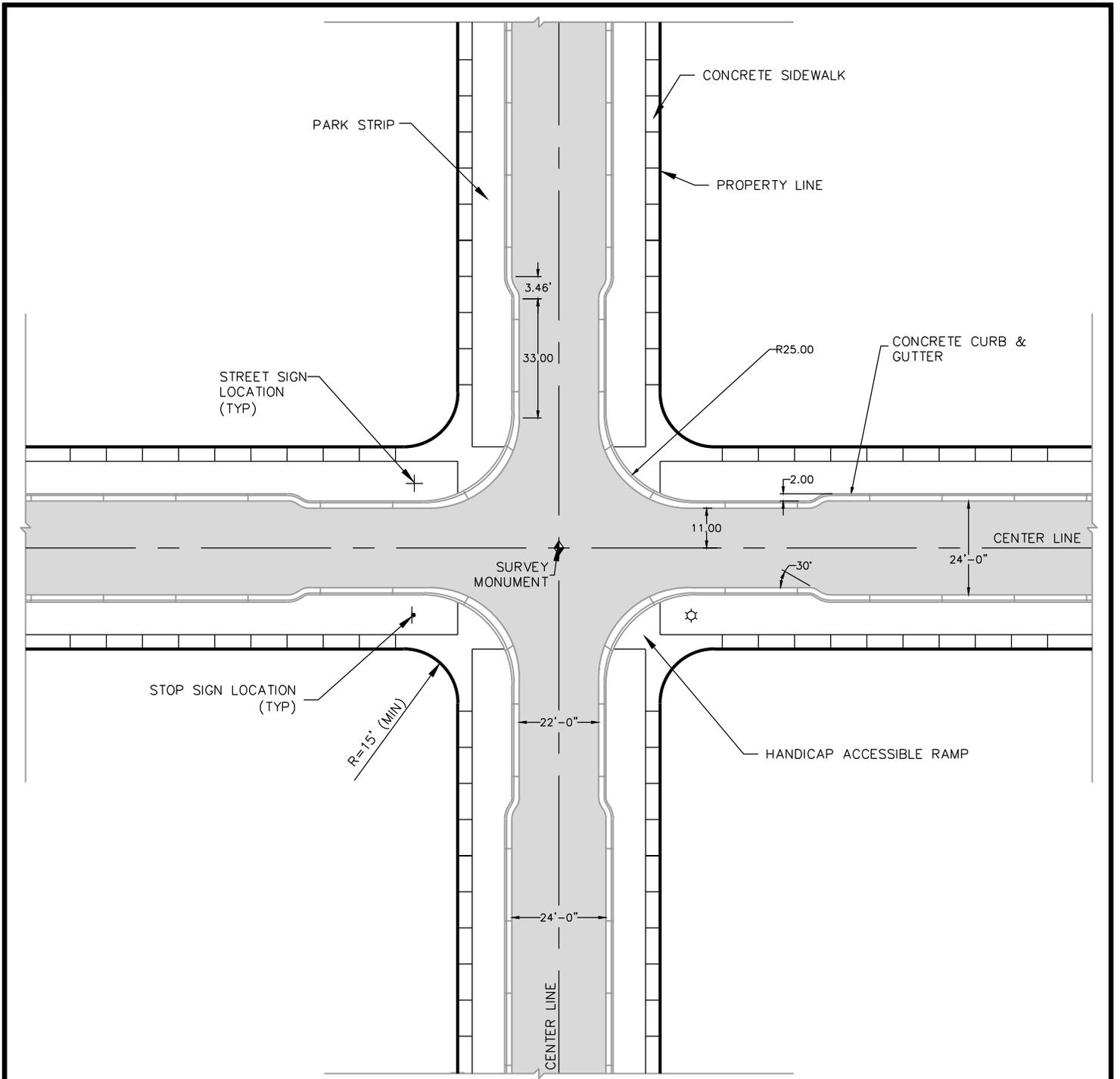
DATE: APRIL 2014		REVISIONS	
DRAWING NAME: ST-22		REV	DATE BY COMMENTS
DRAWN BY: ETL			
CHECKED:	APPROVED:	SARATOGA SPRINGS CITY	
		<small>1307 N. COMMERCE DR. #200, SARATOGA SPRINGS, UT 84045 PHONE: 801-766-9793 FAX: 801-766-9794</small>	



STANDARD DETAILS

STREET STANDARDS

ST-22



NOTES:

1. LAND DRAINS ARE UNACCEPTABLE UNLESS EXPLICITLY ALLOWED BY CITY ENGINEER. WHEN ALLOWED, PIPES SHALL NOT BE PERFORATED OR DESIGNED TO ACCEPT WATER WITHIN THE STREET RIGHT-OF-WAY.
2. CHECK ALL CITY STANDARDS FOR UTILITY LOCATIONS.

**56' ROW NECKED
INTERSECTION
DETAIL**

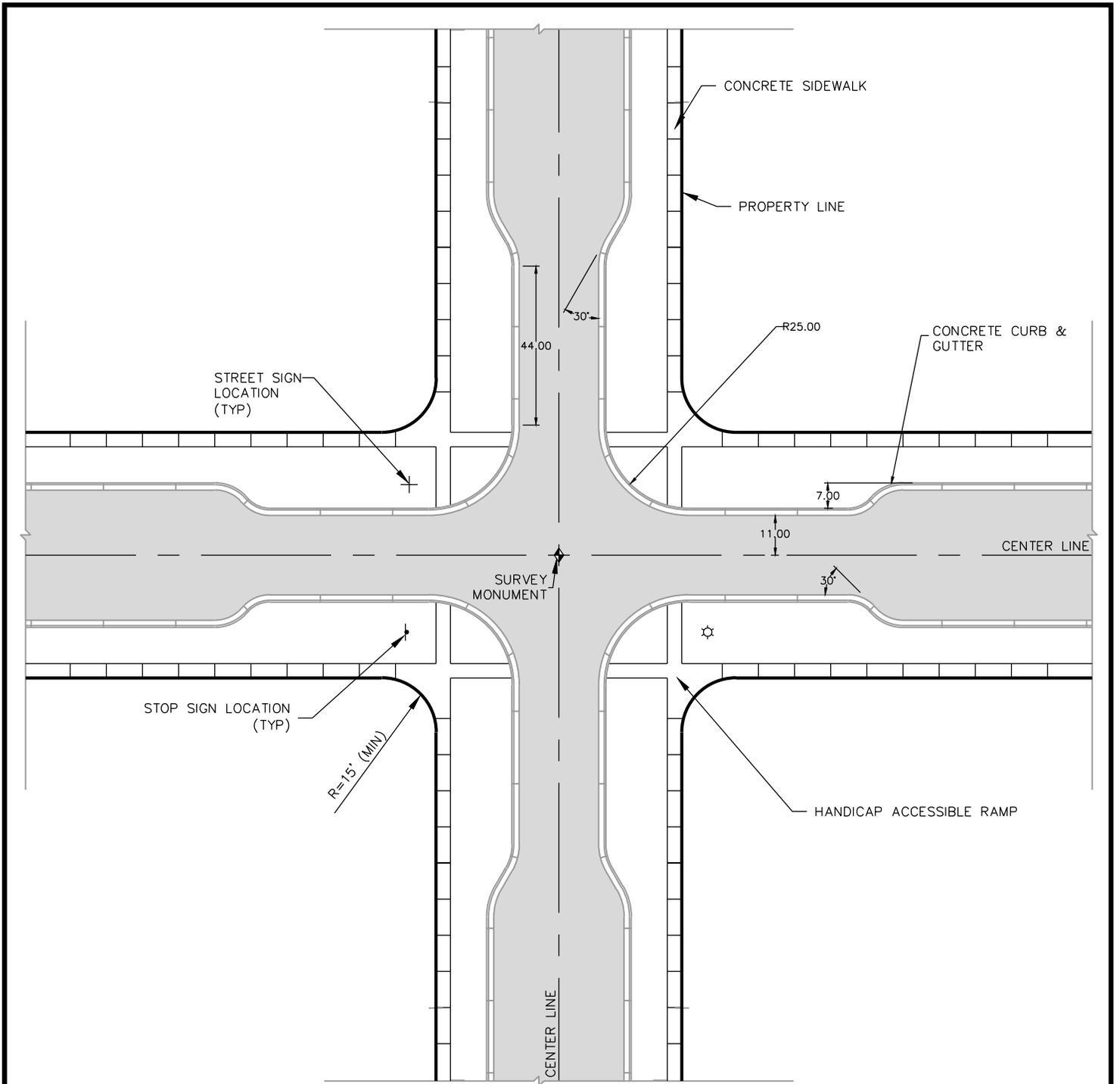
DATE: APRIL 2014		REVISIONS	
DRAWING NAME: ST-23		REV	DATE BY COMMENTS
DRAWN BY:			
CHECKED:	APPROVED:		
SARATOGA SPRINGS CITY		1307 N. COMMERCE DR. #200, SARATOGA SPRINGS, UT 84045 PHONE: 801-766-0793 FAX: 801-766-9794	



STANDARD DETAILS

STREET STANDARDS

ST-23



NOTES:

1. LAND DRAINS ARE UNACCEPTABLE UNLESS EXPLICITLY ALLOWED BY CITY ENGINEER. WHEN ALLOWED, PIPES SHALL NOT BE PERFORATED OR DESIGNED TO ACCEPT WATER WITHIN THE STREET RIGHT-OF-WAY.
2. CHECK ALL CITY STANDARDS FOR UTILITY LOCATIONS.

**77' ROW NECKED
INTERSECTION
DETAIL**

DATE: APRIL 2014
DRAWING NAME: ST-24
DRAWN BY: ETL
CHECKED: APPROVED:

REVISIONS		
REV	DATE	BY

**SARATOGA
SPRINGS CITY**

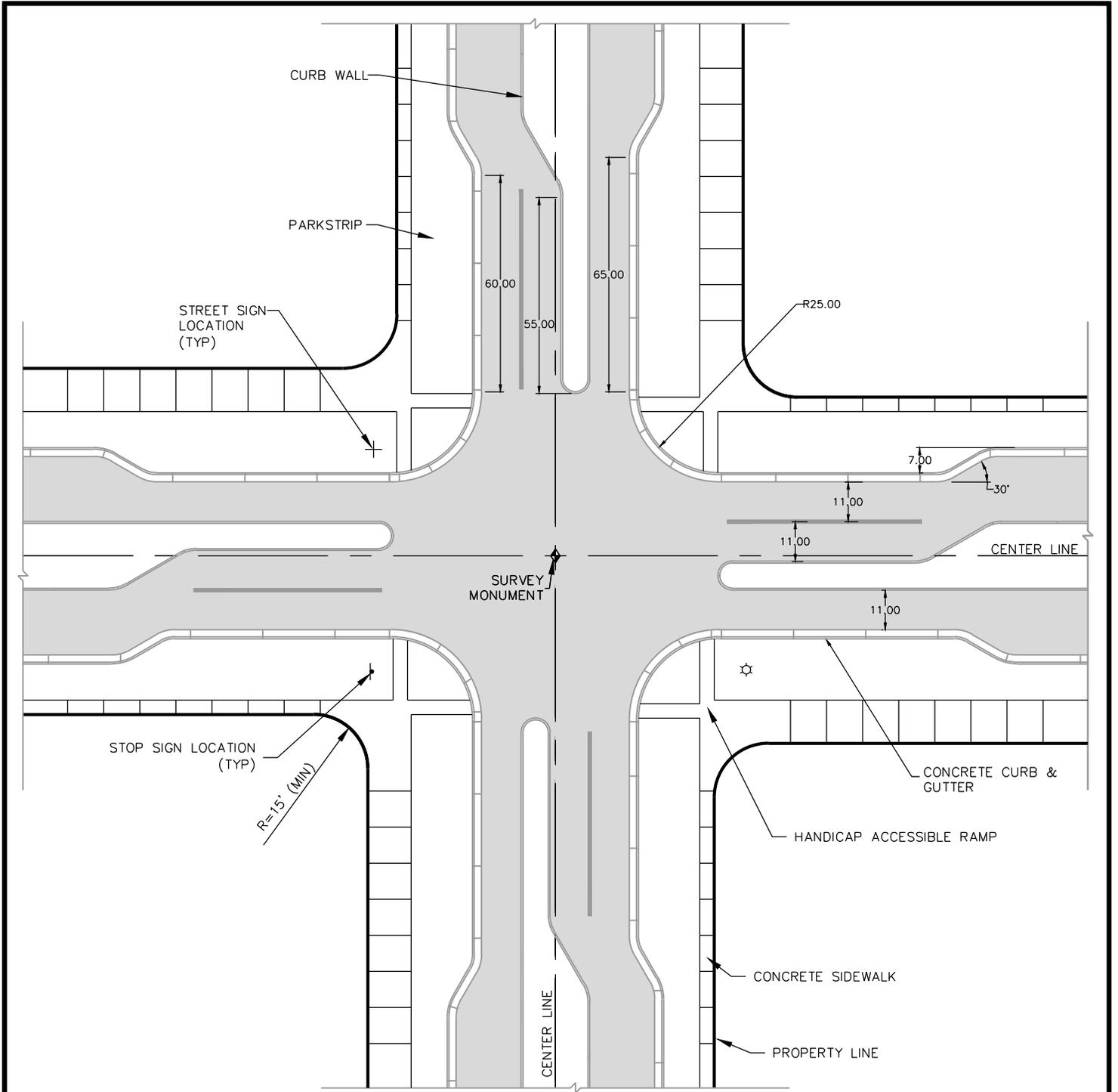
1307 N. COMMERCE DR.
#200, SARATOGA SPRINGS,
UT 84045
PHONE: 801-766-0793
FAX: 801-766-9794



STANDARD DETAILS

STREET STANDARDS

ST-24



NOTES:

1. LAND DRAINS ARE UNACCEPTABLE UNLESS EXPLICITLY ALLOWED BY CITY ENGINEER. WHEN ALLOWED, PIPES SHALL NOT BE PERFORATED OR DESIGNED TO ACCEPT WATER WITHIN THE STREET RIGHT-OF-WAY.
2. CHECK ALL CITY STANDARDS FOR UTILITY LOCATIONS.

**95' ROW NECKED
INTERSECTION
DETAIL**

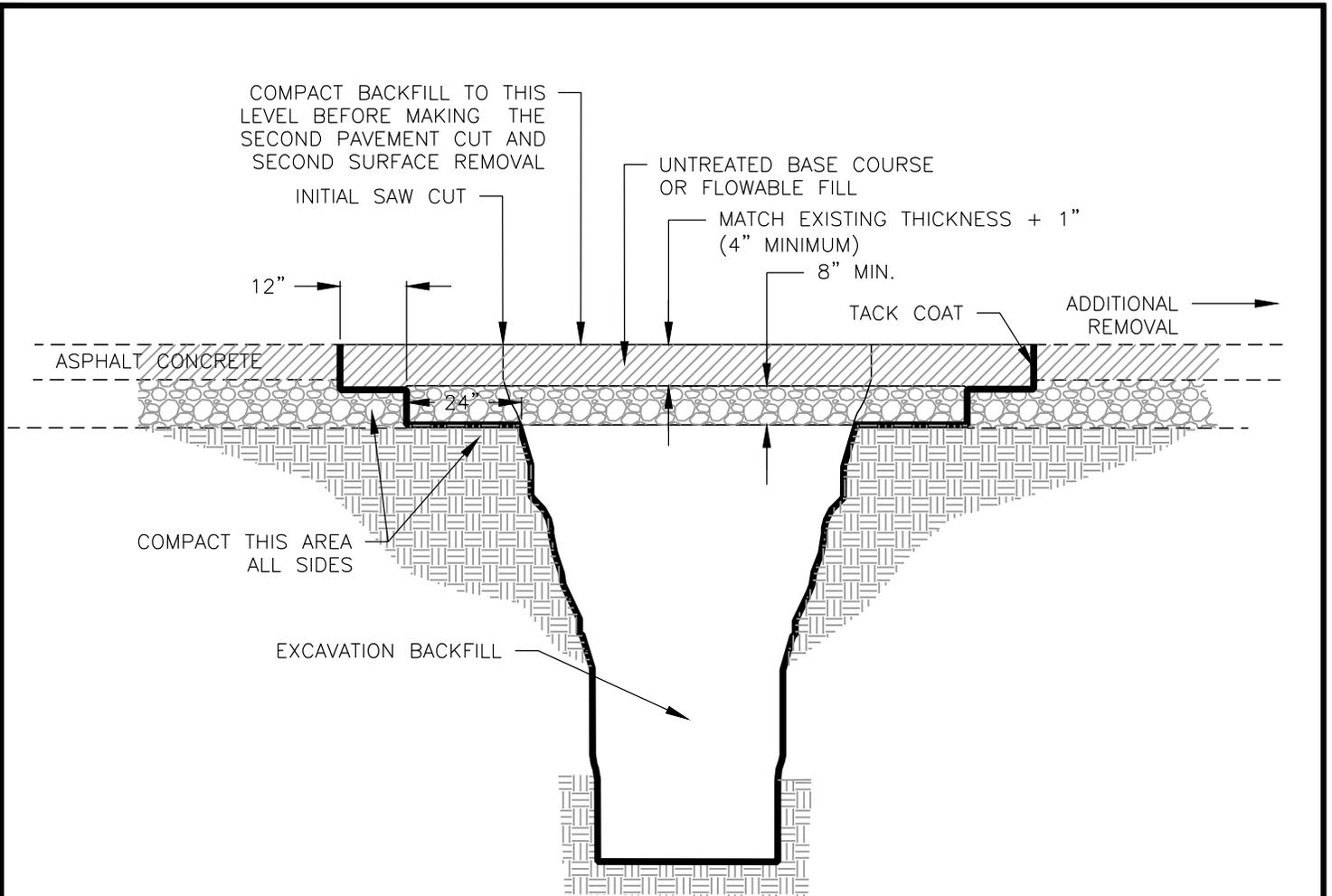
DATE: APRIL 2014		REVISIONS	
DRAWING NAME: ST-25		REV	DATE
DRAWN BY:		BY	COMMENTS
CHECKED:	APPROVED:		
SARATOGA SPRINGS CITY		1307 N. COMMERCE DR. #200, SARATOGA SPRINGS, UT 84045 PHONE: 801-766-4793 FAX: 801-766-8794	



STANDARD DETAILS

STREET STANDARDS

ST-25



NOTES

1. ADDITIONAL PAVEMENT REMOVAL: REMOVE ADDITIONAL PAVEMENT TO A PAINTED LANE STRIPE, A LIP OF GUTTER, A CURB, AN EXISTING PAVEMENT PATCH OR AN EDGE OF THE PAVEMENT IF SUCH STREET FEATURE IS WITHIN 2 FEET OF THE SECOND SAW-CUT.
2. FLOWABLE FILL: PROVIDE 28 DAYS 60 PSI CONTROLLED LOW STRENGTH MATERIAL AS SPECIFIED IN APWA SECTION 31 05 15. USE FILL MATERIAL WHICH FLOWS EASILY AND VIBRATION IS NOT REQUIRED. CURE TO INITIAL SET BEFORE PLACING AGGREGATE BASE OR ASPHALT PAVEMENT. USE FLOWABLE FILL IN EXCAVATIONS THAT ARE TOO NARROW TO RECEIVE COMPACTION EQUIPMENT.
3. JOINT REPAIR: IF A CRACK OCCURS AT THE "T" PATCH CONNECTION TO EXISTING PAVEMENT OR AT ANY STREET FIXTURE, SEAL THE CRACK.
4. PATCH REPAIR: REPAIR THE ASPHALT PAVEMENT PATCH IF ANY OF THE FOLLOWING CONDITIONS OCCUR WITHIN THE PATCH
 - A. PAVEMENT SURFACE DISTORTION EXCEEDS ¼" DEVIATION IN 10 FEET. REPAIR OPTION: PLANE OFF SURFACE DISTORTIONS. COAT PLANED SURFACES WITH CATIONIC OR ANIONIC EMULSION AND PROVIDE SAND BLOTTER.
 - B. CRACK AT LEAST 1-FOOT LONG AND ¼ INCH WIDE OCCUR MORE OFTEN THAN 1 IN 10 SQUARE FEET.
 - C. REPAIR OPTION: CRACK SEAL.
 - D. ASPHALT RAVELING IS GREATER THAN 1 SQUARE FOOT PER 100 SQUARE FEET. REPAIR OPTION: MILL AND INLAY

**STANDARD
TEE PATCH**

DATE: APRIL 2014	
DRAWING NAME: ST-26	
DRAWN BY: ETL	
CHECKED:	APPROVED:

REVISIONS	
REV	COMMENTS

**SARATOGA
SPRINGS CITY**

1307 N. COMMERCE DR.
#200, SARATOGA SPRINGS,
UT 84045
PHONE: 801-766-9793
FAX: 801-766-9794



STANDARD DETAILS

STREET STANDARDS

ST-26

NOTES:

1. MARKERS MUST BE PLACED AT ALL "OFFSITE" UTILITIES. PLACE AT MANHOLES AND EVERY 500' ON ALL UNDERGROUND UTILITIES.
2. MANHOLE MARKERS: MARKERS SHALL BE MANUFACTURED OF FIBER REINFORCED COMPOSITE MATERIAL. THAT REINFORCEMENT SHALL BE COMPRISED OF BOTH LINEAL STRANDS AND HORIZONTAL MESH MATS. MARKERS SHALL BE FLAT WITH ROUNDED RIB DOWN THE CENTER AND RAILS ON EACH SIDE; SHALL BE AT LEAST 3-3/4" WIDE AND AT LEAST 66" TALL.
3. MARKERS SHALL BE CAPABLE OF WITHSTANDING A MINIMUM OF 10 VEHICLE IMPACTS AT 55 MPH WITH A CAR BUMPER.
4. MARKERS SHALL BE COATED WITH A COLORED COATING THAT WILL TOTALLY PREVENT ULTRA-VIOLET LIGHT FROM REACHING THE RESIN PORTION OF THE MARKER. COATING SHALL NOT FADE, PEEL, OR BLISTER AFTER A MINIMUM OF 2000 HOURS IN A QUV WEATHEROMETER.
5. STANDARD SIZE, HIGH VISIBILITY DECALS SHALL BE PLACED ON EACH SIDE OF THE MARKER. THE DECALS SHALL INCLUDE: THE INTERNATIONAL "NO-DIG" SYMBOL; FEDERAL LAW WARNING TO DETER VANDALS; THE WARNING MESSAGE, TO INCLUDE "WARNING", THE TYPE OF UTILITY AND "SARATOGA SPRINGS, CALL 776-9793.
6. COLORS SHALL BE AS FOLLOWS PER APWA SPECIFICATIONS:
RED: ELECTRIC POWER LINES, CABLES, CONDUIT AND LIGHTING CABLES
YELLOW: GAS, OIL, STEAM, PETROLEUM OR GASEOUS MATERIALS
ORANGE: COMMUNICATIONS, ALARM, SIGNAL, CABLES OR CONDUITS
BLUE: POTABLE WATER
PURPLE: RECLAIMED WATER, IRRIGATION AND SLURRY LINES
GREEN: SEWER AND STORM DRAIN LINES

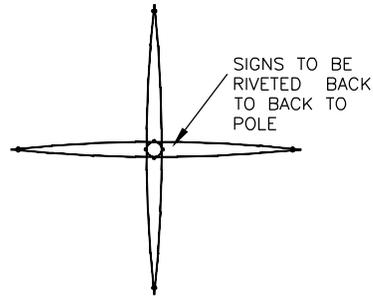
UTILITY MARKERS

DATE: APRIL 2014		REVISIONS	
DRAWING NAME: ST-27		REV	DATE BY COMMENTS
DRAWN BY: ETL			
CHECKED:	APPROVED:		
SARATOGA SPRINGS CITY		1307 N. COMMERCE DR. #200, SARATOGA SPRINGS, UT 84045 PHONE: 801-766-9793 FAX: 8017669794	

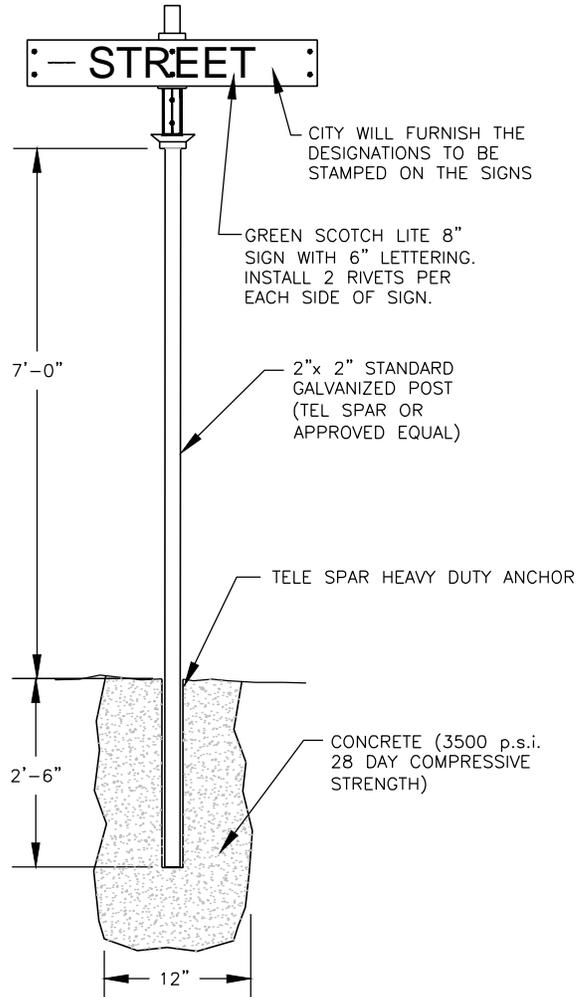
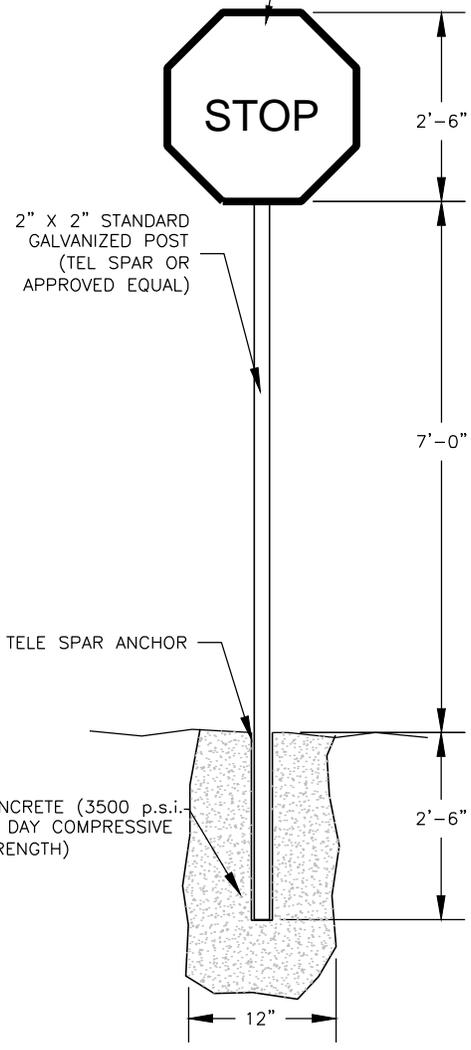


STANDARD DETAILS
STREET STANDARDS
ST-27

SIGNS SHALL CONFORM TO THE REQUIREMENTS OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES"



PLAN VIEW



NOTES:

1. SECURE CITY'S APPROVAL OF SIGN FORMAT AND INSTALLATION.
2. INSTALL THE EDGE OF THE SIGN TWO FEET FROM THE VERTICAL EXTENSION OF THE BACK OF CURB AS NEAR AS POSSIBLE TO THE APPROACH CURB POINT OF CURVATURE. SIGNS SHOULD NOT OVERHANG SIDEWALK OR CURB & GUTTER.
3. ALL STREET SIGNS (STOP, SPEED, ETC.) SHALL BE 7' MINIMUM FROM GROUND TO BOTTOM OF SIGN.
4. ALL STREET SIGNS TO BE COATED WITH 3M-HIGH INTENSITY SHEETING, OR ACCEPTABLE EQUAL.

STREET AND REGULATORY SIGNS

DATE: APRIL 2014
DRAWING NAME: ST-28
DRAWN BY: ETL
CHECKED: APPROVED:

REVISIONS	
REV	COMMENTS

SARATOGA SPRINGS CITY
 1307 N. COMMERCE DR.
 #200, SARATOGA SPRINGS,
 UT 84045
 PHONE: 801-766-9793
 FAX: 801-766-9794

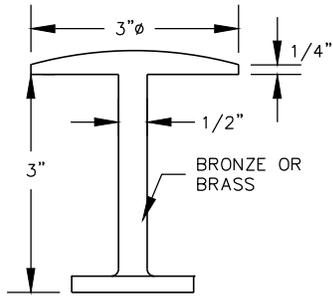
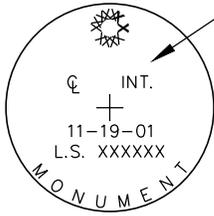


STANDARD DETAILS

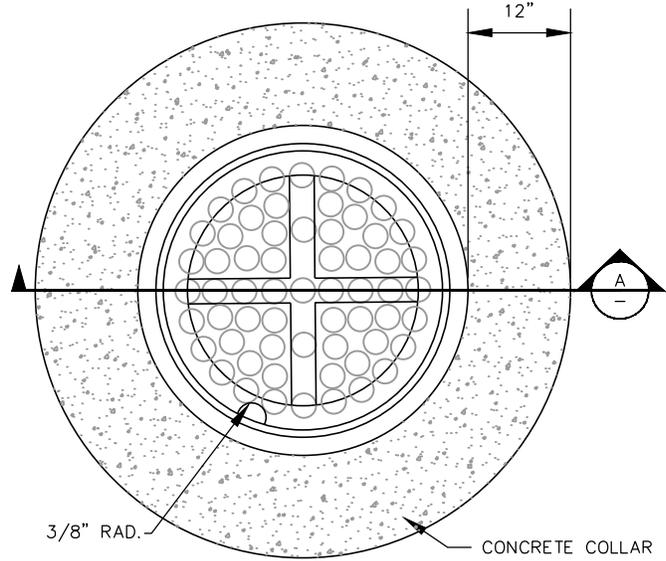
STREET STANDARDS

ST-28

SEE APWA DWG. #272 FOR DETAILS REGARDING INFORMATION TO BE STAMPED ON MONUMENT CAP

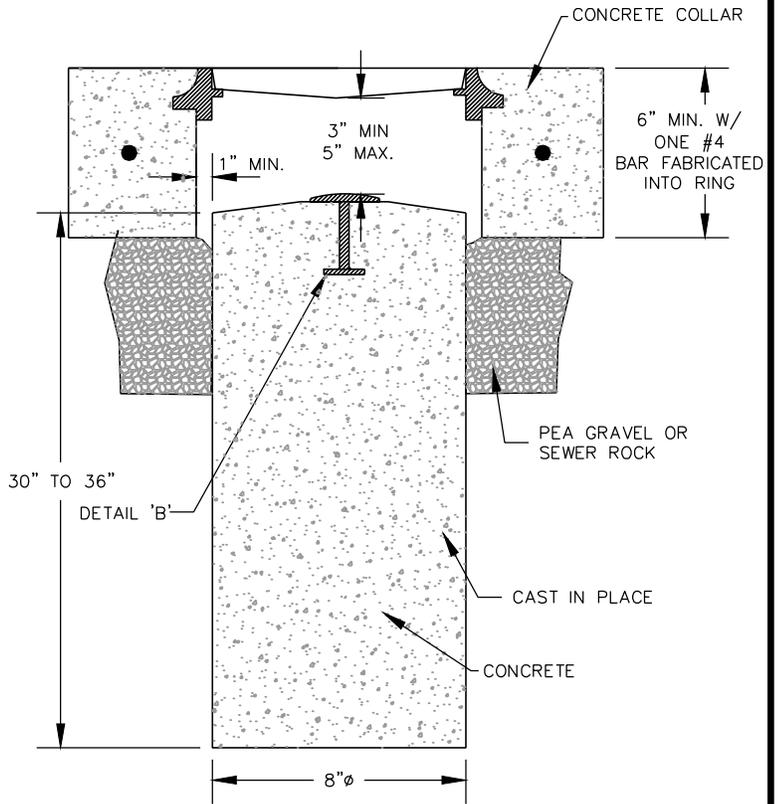


DETAIL 'B'



NOTES:

ALL WORK SHALL CONFORM TO APWA STANDARDS UNLESS OTHERWISE APPROVED BY CITY ENGINEER



SECTION 'A'

SURVEY MONUMENT

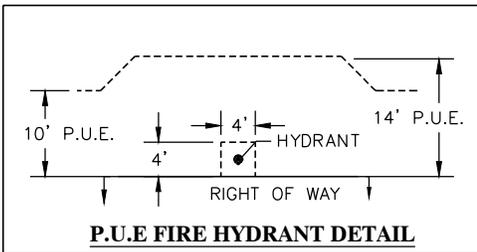
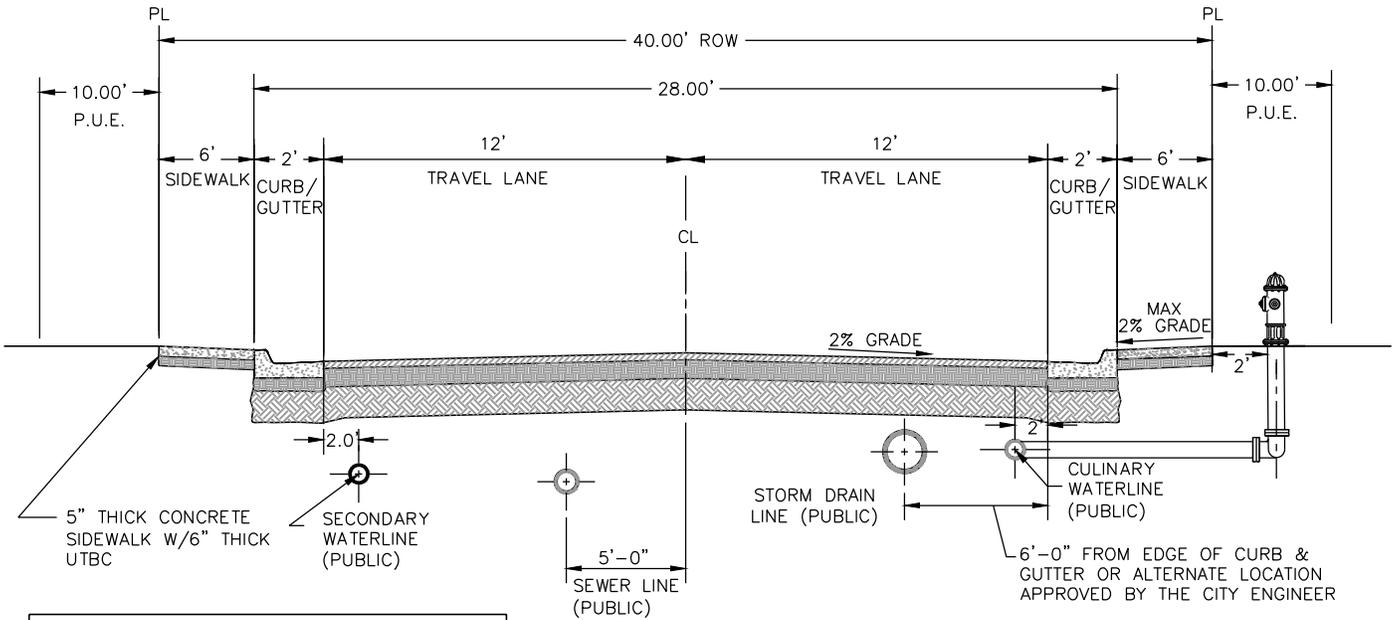
DATE: APRIL 2014		REVISIONS	
DRAWING NAME: ST-29		REV	DATE BY COMMENTS
DRAWN BY: ETL			
CHECKED:	APPROVED:	SARATOGA SPRINGS CITY <small>1307 N. COMMERCE DR. #200, SARATOGA SPRINGS, UT 84045 PHONE: 801-766-9793 FAX: 801-766-9794</small>	



STANDARD DETAILS

STREET STANDARDS

ST-29



P.U.E FIRE HYDRANT DETAIL

NOTES:

1. THIS ROW CROSS SECTION SHALL BE PERMITTED FOR PRIVATE ROAD CROSS SECTIONS IN THE FOLLOWING ZONES: R-10, R-14, R-18, NC, MU, RC, OW, I, ML, BP, PC, AND IC.
2. MAXIMUM DIFFERENCE IN ELEVATION BETWEEN CURB ON OPPOSITE SIDES OF STREET SHALL NOT EXCEED 1'-0"
3. PAVEMENT DESIGN SHALL BE BASED ON BY A SOILS REPORT AS PER CITY STANDARDS.
4. PROVIDE A MINIMUM 6" THICKNESS UTBC UNDER SIDEWALKS, DRIVEWAY APPROACHES, AND CURB & GUTTER.
5. INSTALL TYPE 2 SLURRY SEAL ON ALL HMA UPON COMPLETION OF PAVING AND PRIOR TO ACCEPTANCE OF ROADS.
6. HOUSES MAY FRONT ON THESE STREETS.
7. MODIFIED CURB AND GUTTER MAY BE PERMITTED ONLY WHEN THE SPACING BETWEEN DRIVEWAYS IS LESS THAN 50 FEET AS MEASURED FROM EDGE TO EDGE. IF MODIFIED CURB AND GUTTER IS PERMITTED, THE TRAVEL LANES SHALL BE REDUCED TO 11.5' TO ACCOMMODATE LONGER CURB AND GUTTER CROSS SECTION.
8. P.U.E. SHALL JOG AROUND ALL HYDRANT LOCATIONS.

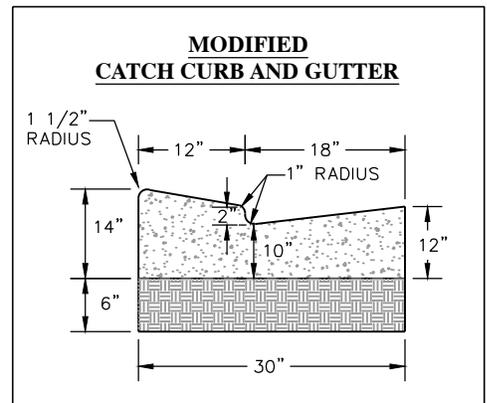
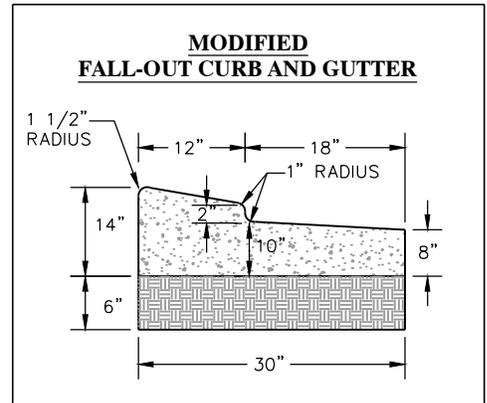
DESIGN CRITERIA

DESIGN SPEED: 25 M.P.H.

MIN CENTERLINE RADIUS: 200' MIN.

VERTICAL CURVE REQUIREMENTS: SAG K VALUE = 37

CREST K VALUE = 20



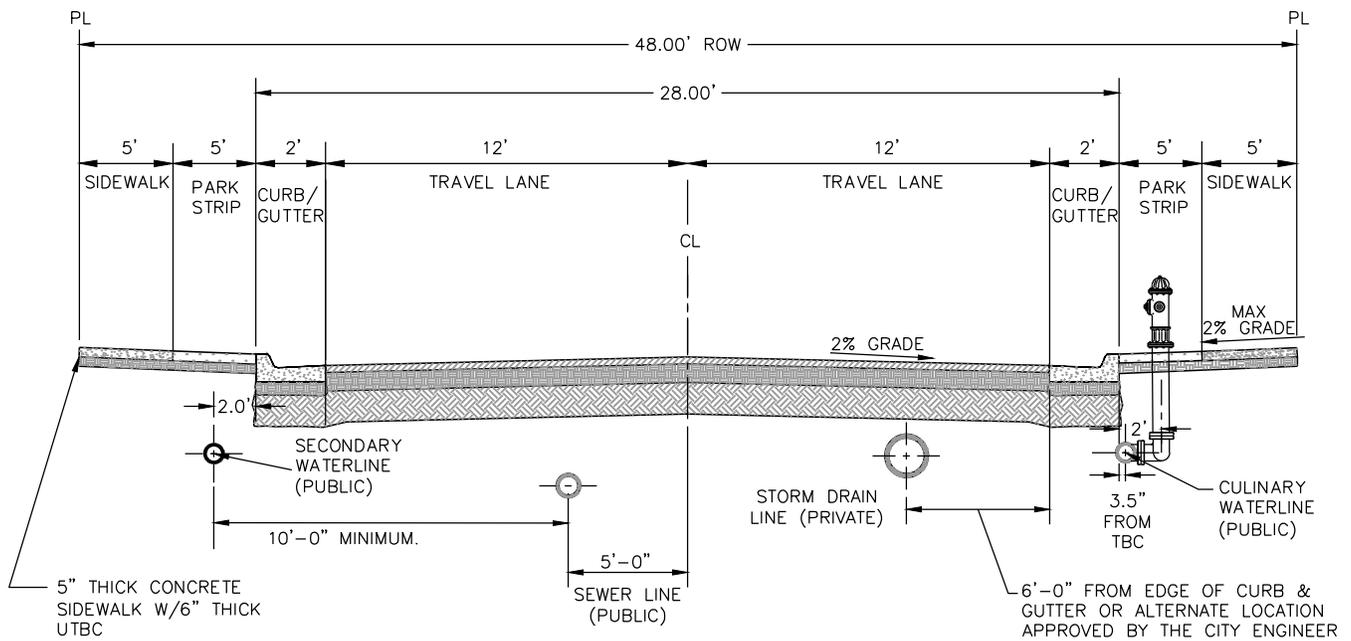
**PRIVATE
ROADWAY
W/O PARK STRIP
40' RIGHT-OF-WAY**

DATE: APRIL 2014	REVISIONS
DRAWING NAME: ST-30	REV DATE BY COMMENTS
DRAWN BY: ETL	
CHECKED: APPROVED:	

SARATOGA SPRINGS CITY	
1307 N. COMMERCE DR. #200, SARATOGA SPRINGS, UT 84045 PHONE: 801-766-8793 FAX: 801-766-9794	



STANDARD DETAILS
STREET STANDARDS
ST-30



NOTES:

1. THIS ROW CROSS SECTION SHALL BE PERMITTED FOR PRIVATE ROAD CROSS SECTIONS IN THE FOLLOWING ZONES: R-5, R-6, R-10, R-14, R-18, NC, MU, RC, OW, I, ML, BP, PC AND IC.
2. MAXIMUM DIFFERENCE IN ELEVATION BETWEEN CURB ON OPPOSITE SIDES OF STREET SHALL NOT EXCEED 1'-0"
3. PAVEMENT DESIGN SHALL BE BASED ON A SOILS REPORT AS PER CITY STANDARDS.
4. PROVIDE A MINIMUM 6" THICKNESS UTBC UNDER SIDEWALKS, DRIVEWAY APPROACHES, AND CURB & GUTTER.
5. INSTALL TYPE 2 SLURRY SEAL ON ALL HMA UPON COMPLETION OF PAVING AND PRIOR TO ACCEPTANCE OF ROADS.
6. HOUSES MAY FRONT ON THESE STREETS.

DESIGN CRITERIA

DESIGN SPEED: 25 M.P.H.

MIN CENTERLINE RADIUS: 200' MIN.

VERTICAL CURVE REQUIREMENTS: SAG K VALUE = 37

CREST K VALUE = 20

**PRIVATE
ROADWAY
W/ PARK STRIP
48' RIGHT-OF-WAY**

DATE: APRIL 2014	REVISIONS	
DRAWING NAME: ST-31	REV	DATE
DRAWN BY: ETL	BY	COMMENTS
CHECKED: APPROVED:		

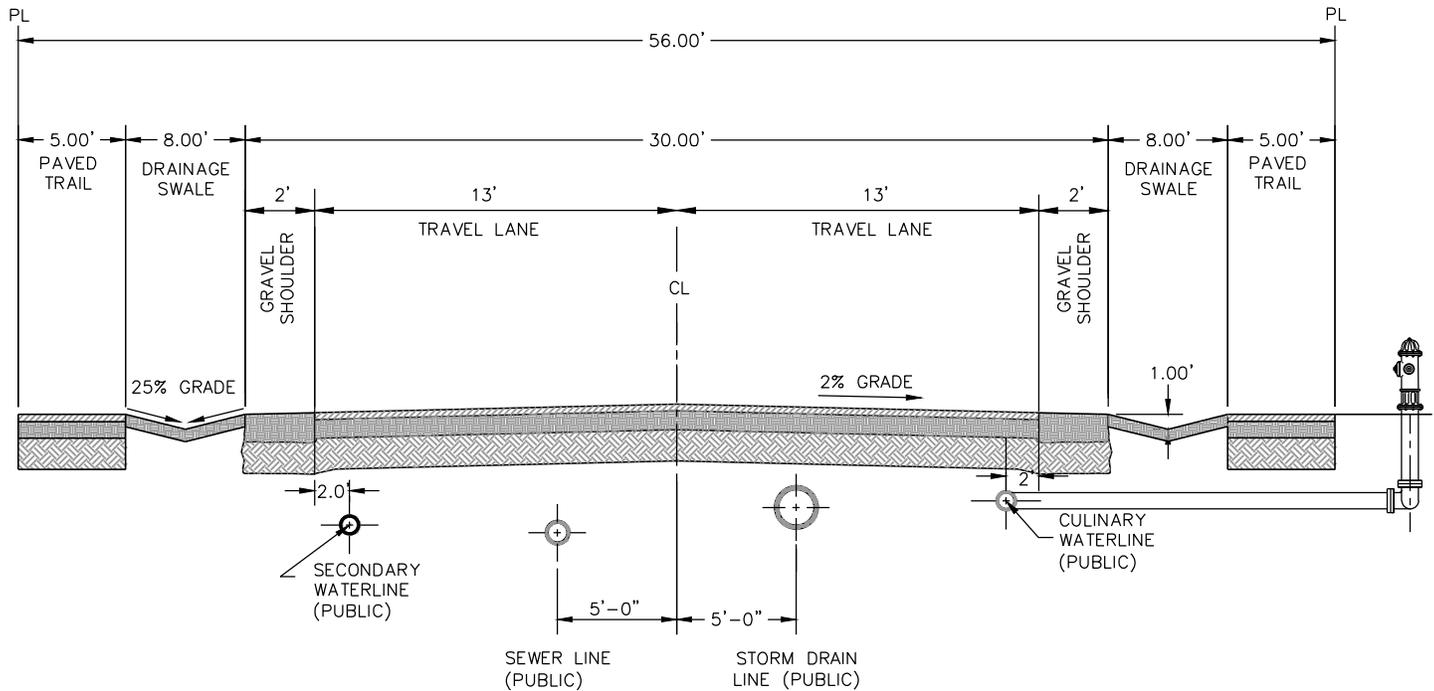
SARATOGA SPRINGS CITY		1307 N. COMMERCE DR. #200, SARATOGA SPRINGS, UT 84045 PHONE: 801-766-8793 FAX: 801-766-9794
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STANDARD DETAILS

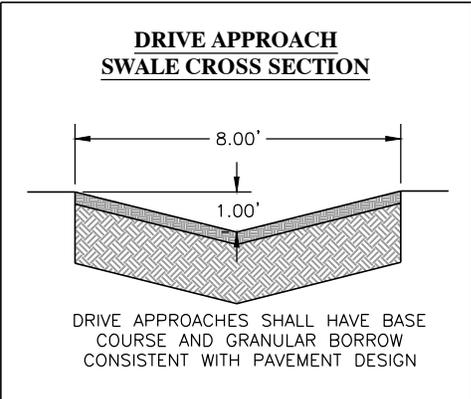
STREET STANDARDS

ST-31



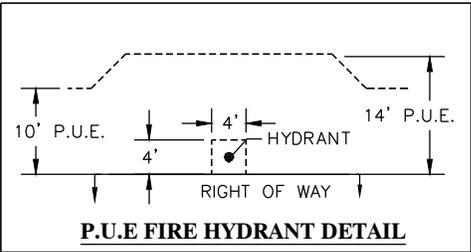
NOTES:

1. THIS ROW CROSS SECTION SHALL BE PERMITTED FOR PRIVATE ROAD CROSS SECTIONS IN THE FOLLOWING ZONES: A, RA-5, R-1, AND RR.
2. MAXIMUM DIFFERENCE IN ELEVATION BETWEEN SWALE ON OPPOSITE SIDES OF STREET SHALL NOT EXCEED 1'-0"
3. PAVEMENT DESIGN SHALL BE BASED ON A SOILS REPORT AND AS PER CITY STANDARDS.
4. INSTALL TYPE 2 SLURRY SEAL ON ALL HMA UPON COMPLETION OF PAVING AND PRIOR TO ACCEPTANCE OF ROADS.
5. HOUSES MAY FRONT ON THESE STREETS.
6. A FIVE FOOT ASPHALT OR CONCRETE TRAIL MUST BE PROVIDED BOTH SIDE OF THE STREET. TRAILS ARE NOT REQUIRED IN DEVELOPMENTS WITH 5 ACRE LOTS OR LARGER



DESIGN CRITERIA

DESIGN SPEED: 25 M.P.H.
 MIN CENTERLINE RADIUS: 200' MIN.
 VERTICAL CURVE REQUIREMENTS: SAG K VALUE = 37
 CREST K VALUE = 20



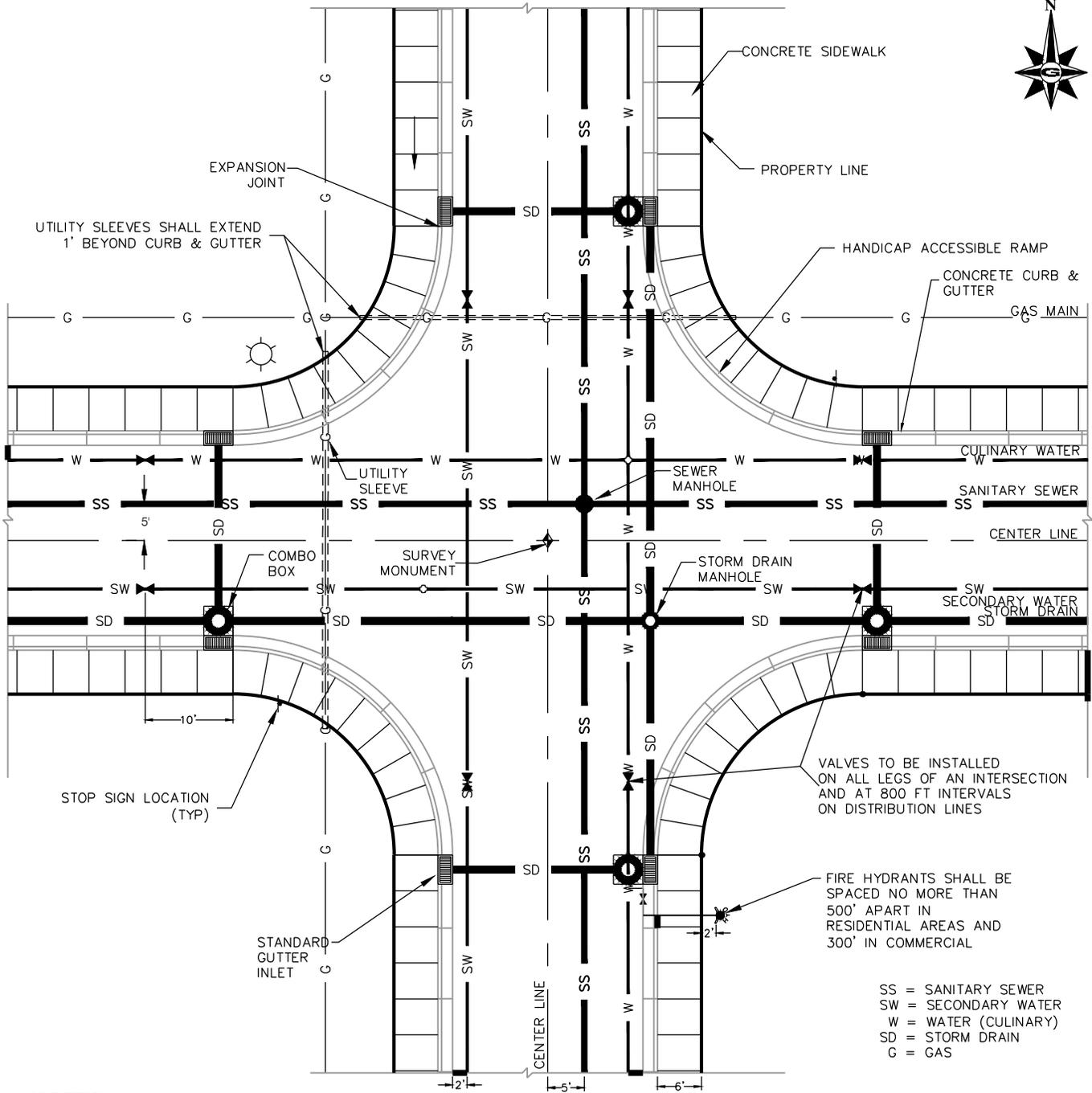
**PRIVATE
 ROADWAY
 RURAL
 56' RIGHT-OF-WAY**

DATE: APRIL 2014	REVISIONS	
DRAWING NAME: ST-32	REV	DATE BY COMMENTS
DRAWN BY: ETL		
CHECKED:	APPROVED:	
SARATOGA SPRINGS CITY		
<small>1307 N. COMMERCE DR. #200, SARATOGA SPRINGS, UT 84045 PHONE: 801-766-9793 FAX: 801-766-9794</small>		

STANDARD DETAILS

STREET STANDARDS

ST-32



SS = SANITARY SEWER
 SW = SECONDARY WATER
 W = WATER (CULINARY)
 SD = STORM DRAIN
 G = GAS

NOTES:

1. LAND DRAINS ARE UNACCEPTABLE UNLESS EXPLICITLY ALLOWED BY CITY ENGINEER. WHEN ALLOWED, PIPES SHALL NOT BE PERFORATED OR DESIGNED TO ACCEPT WATER WITHIN THE STREET RIGHT-OF-WAY.
2. CURB RADIUS ON LOCAL AND COLLECTOR RIGHT-OF-WAYS SHALL BE 25', ON MINOR ARTERIALS IT SHALL BE 35', AND ON MAJOR AND PRINCIPAL ARTERIALS SHALL BE 40' AS MEASURED FROM FACE OF CURB.
3. CHECK ALL CITY STANDARDS FOR UTILITY LOCATIONS.
4. STREET LIGHTS ARE TO BE PLACED AT INTERSECTIONS AND EVERY 300 FEET, ALTERNATING SIDES OF STREET.
5. WHERE INLET CONFLICTS WITH VALVE LOCATION, PLACE VALVE 10' BACK FROM POINT OF CURVATURE.

**PRIVATE
 INTERSECTION &
 UTILITY DETAILS**

DATE: APRIL 2014
DRAWING NAME: ST-33
DRAWN BY: ETL
CHECKED: <input type="checkbox"/> APPROVED: <input type="checkbox"/>

REVISIONS	
REV	DATE BY COMMENTS

**SARATOGA
 SPRINGS CITY**

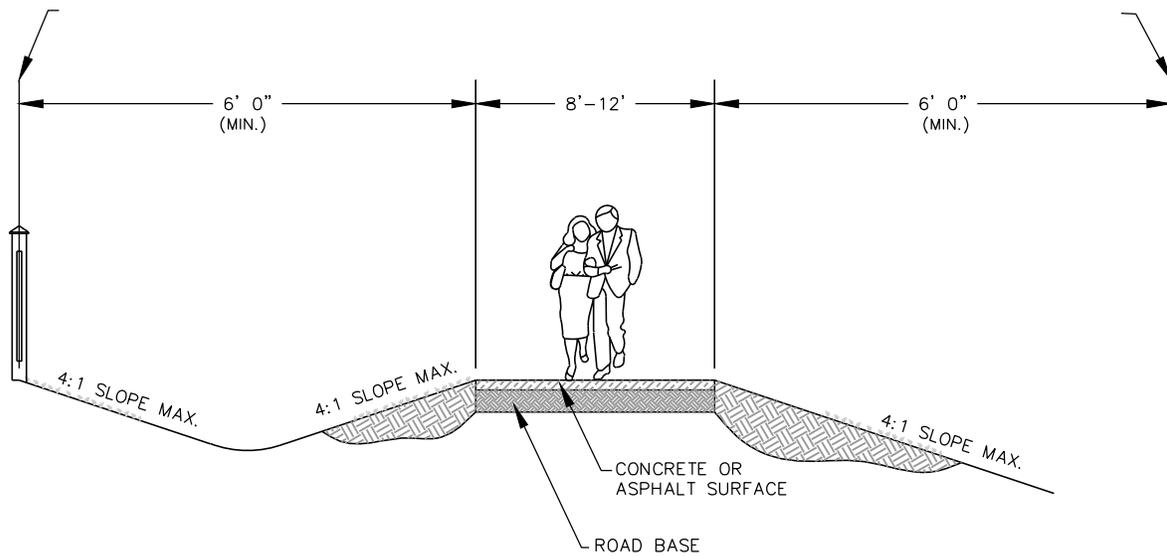
1307 N. COMMERCE DR.
 #200, SARATOGA SPRINGS,
 UT 84045
 PHONE: 801-766-9793
 FAX: 8017669794



STANDARD DETAILS

STREET STANDARDS

ST-33



NOTES:

1. TRAILS ALONG ARTERIAL ROADWAYS, AND CANAL PARKWAYS SHALL BE 12' WIDE MEANDERING CONCRETE TRAILS.
2. TRAILS FOR LAKESIDE AND RIVERSIDE ACCESS MUST USE CONCRETE AND BE 12' WIDE.
3. IN RIPARIAN AREAS PROVIDE 8' CONCRETE TRAILS.
4. IN UPLAND AREAS PROVIDE 12' ASPHALT TRAILS.
5. FOR POWER LINE CORRIDORS, MOUNTAIN TRAILS, ATV TRAILS, AND EQUESTRIAN USE, PROVIDE 12' WIDE TRAILS WITH 8" OF ROAD BASE OR APPROVED SOFT-SURFACE MATERIAL.
6. FOR WILDERNESS TRAILS IN DEVELOPED AREAS PROVIDE 12' WIDE ASPHALT TRAILS.
6. FOR WILDERNESS TRAILS IN UNDEVELOPED AREAS PROVIDE 8'-10' WIDE TRAILS WITH 8" OF ROAD BASE OR APPROVED SOFT-SURFACE MATERIAL.
7. ALL TRAILS MUST BE ADA ACCESSIBLE AND PROVIDE MAINTENANCE ACCESS.
8. CENTER LINE RADIUS OF MEANDERING SIDEWALKS/TRAILS SHALL BE 100' MIN.
9. FOR CONCRETE TRAILS, PROVIDE CONSTRUCTION JOINTS @ 8' INTERVALS EXPANSION JOINTS @ 40' INTERVALS
10. CONCRETE TRAILS MUST HAVE 5" OF CONCRETE OVER 6" OF ROAD BASE.
11. ASPHALT TRAILS MUST HAVE 3" OF ASPHALT OVER 8" OF ROAD BASE.

URBAN, RURAL, AND WILDERNESS TRAILS

DATE: APRIL 2014	
DRAWING NAME: ST-34	
DRAWN BY: JMT	
CHECKED:	APPROVED:

REVISIONS	
REV	DATE BY COMMENTS

SARATOGA SPRINGS CITY
 1307 N. COMMERCE DR.
 #200, SARATOGA SPRINGS,
 UT 84045
 PHONE: 801-766-8793
 FAX: 801-766-8794



STANDARD DETAILS

STREET STANDARDS

ST-34