

CITY OF CASHMERE

Cashmere, Washington

STREET DESIGN STANDARD DETAILS

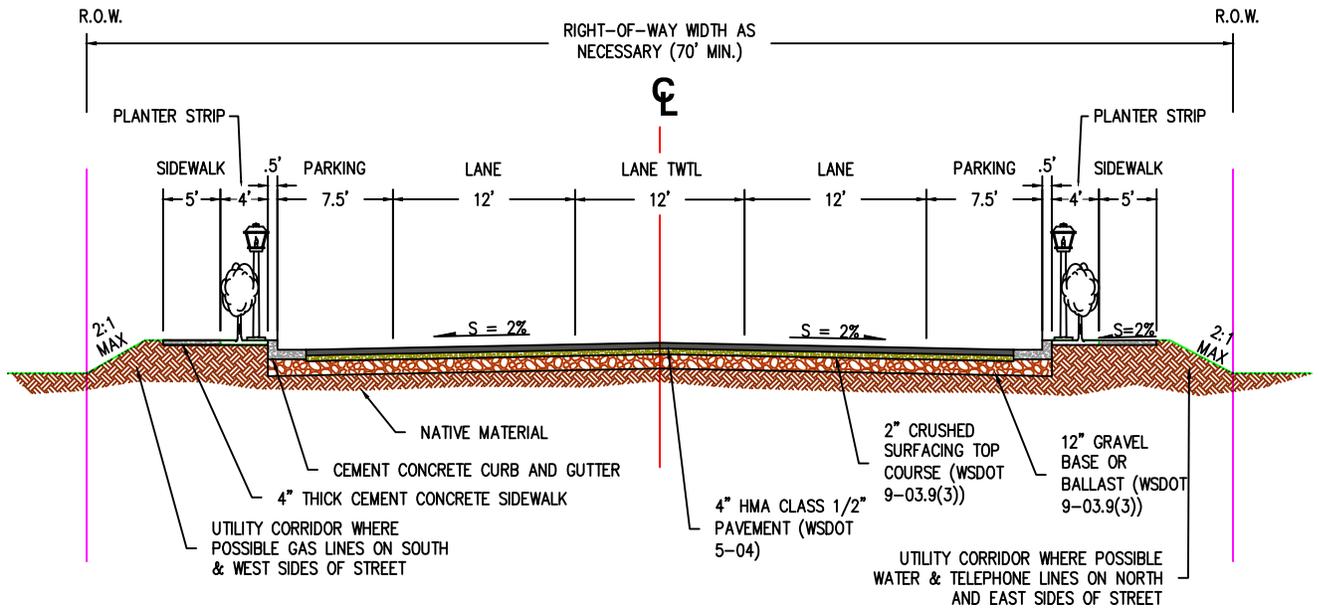
DESCRIPTION	DETAIL NO.	DESCRIPTION	DETAIL NO.
COVER	STDT0	UTILITY TRENCH	STDT12
MAJOR AND MINOR COLLECTOR STREETS	STDT1	VACANT	STDT13
URBAN LOCAL ACCESS AND PRIVATE ROADS	STDT2	WSDOT DRAINAGE STANDARD PLANS INDEX	STDT14
STREET FRONTAGE IMPROVEMENTS	STDT3	UTILITY ADJUSTMENTS TO FINISHED GRADE	STDT15
CUL-DE-SAC AND HAMMERHEAD	STDT4	TYPICAL DRIVEWAY MATCH CONDITIONS/MATERIALS	STDT16
SIGHTLINE SETBACKS	STDT5	VACANT	STDT17
VACANT	STDT6	LUMINAIRE DETAIL	STDT18
CONCRETE SIDEWALK	STDT7	STREET TREE BOX AND PLANTING	STDT19
VACANT	STDT8	VACANT	STDT20
VACANT	STDT9	ELECTRICAL SERVICE	STDT21
GROUND MOUNTED STREET SIGNS	STDT10	VACANT	STDT22
VACANT	STDT11	REVISION HISTORY	STDT23

CONTACT INFORMATION	CALL 48 HOURS BEFORE YOU DIG ONE CALL
CITY OF CASHMERE 101 WOODRING STREET CASHMERE, WA 98815 PHONE: 509-782-3513 FAX: 509-782-2840	REPORT ALL SPILLS DEPT. OF ECOLOGY 1-800-258-5990

ABBREVIATIONS					
CB	CATCH BASIN	GALV	GALVANIZED	PROP	PROPOSED
CONC	CONCRETE	HDPE	HIGH-DENSITY POLYETHYLENE	PSI	POUNDS PER SQUARE INCH
CL	CONSTRUCTION CENTERLINE	HMA	HOT MIXED ASPHALT	PVC	POLYVINYL CHLORIDE
CSBC	CRUSHED SURFACING BASE COURSE	ID	INSIDE DIAMETER	SPEC	SPECIFICATIONS
CSTC	CRUSHED SURFACING TOP COURSE	IE	INVERT ELEVATION	SS	SANITARY SEWER
DI	DUCTILE IRON	J-BOX	JUNCTION BOX	SSMH	SANITARY SEWER MANHOLE
DIAM	DIAMETER	LF	LINEAR FEET	SST	STAINLESS STEEL
DWG	DRAWING	MH	MANHOLE	STD	STANDARD
E	EASTING	MJ	MECHANICAL JOINT FITTING	STL	STEEL
EG	EXISTING GROUND	NO	NUMBER	TEL	TELEPHONE
ELEV	ELEVATION	OC	OFF CENTER	TEMP	TEMPORARY
EX	EXISTING	OD	OUTSIDE DIAMETER	TYP	TYPICAL
EW	EVEN WIDTH	P	POWER	WSDOT	WASHINGTON STATE DEPARTMENT OF TRANSPORTATION
FG	FINISHED GRADE	PE	PLAIN END		

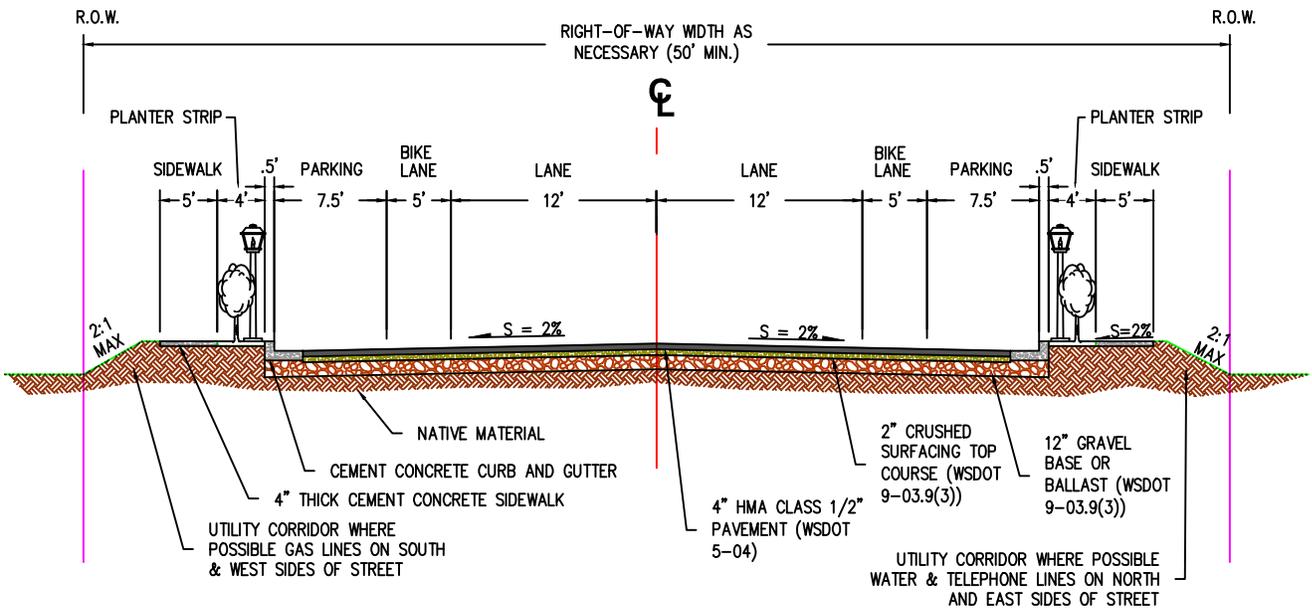
DEVELOPED BY RH2 ENGINEERING, INC.

 <div style="margin-left: 20px;"> <p style="color: red; font-size: 1.2em;">City of Cashmere</p> <p style="color: red;">101 Woodring St 509 782-3513 Fax 509 782-2840</p> </div>	STREET DESIGN STANDARD DETAILS		
	COVER		
	FILE: STDT0	REVISED: 2/20/2015	DETAIL NO.: STDT0



MAJOR URBAN COLLECTOR STREET

1. INCLUDE BIKE LANE IF DESIGNATED BIKEWAY
2. CONTINUOUS STREET LIGHTING
3. CONTINUOUS LANDSCAPING, STREET TREES
4. ADDITIONAL TRAVEL LANES MAY BE REQUIRED IF WARRANTED BY AN ENGINEERING STUDY
5. INCLUDE 8' MIN ON-STREET PARKING IN CENTRAL BUSINESS DISTRICT ONLY
6. ALL LANE, BIKE LANE, PLANTER STRIP, AND SIDEWALK DIMENSIONS ARE MINIMUM DIMENSIONS
7. ALL INTERSECTIONS, PROVIDE ADA APPROVED SIDEWALK RAMPS. SEE WSDOT STANDARD PLANS F-3A, F-3B, F-3C, F-3D, AND F-3E



MINOR URBAN COLLECTOR STREET

1. INCLUDE PARKING LANE ON AT LEAST ONE SIDE OF THE ROADWAY
2. INCLUDE BIKE LANE IF DESIGNATED BIKEWAY
3. INCLUDE PLANTER STRIP ON AT LEAST ONE SIDE OF THE ROADWAY
4. STREET LIGHTING AT INTERSECTIONS ONLY
5. INCLUDE TURN LANE AT INTERSECTIONS IF WARRANTED
6. ALL LANE, BIKE LANE, PLANTER STRIP, PARKING, AND SIDEWALK DIMENSIONS ARE MINIMUM DIMENSIONS
7. ALL INTERSECTIONS, PROVIDE ADA APPROVED SIDEWALK RAMPS. SEE WSDOT STANDARD PLANS F-3A, F-3B, F-3C, F-3D, AND F-3E



City of Cashmere
 101 Woodring St
 509 782-3513
 Fax 509 782-2840

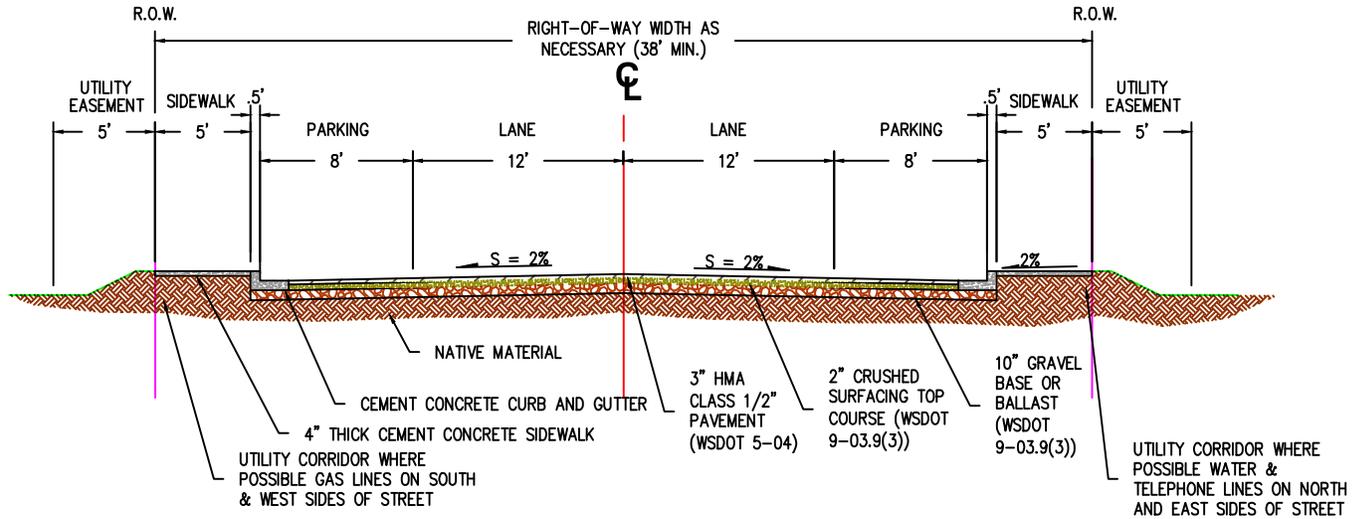
STREET DESIGN STANDARD DETAILS

MAJOR AND MINOR COLLECTOR STREET CROSS SECTIONS

FILE: STDT1

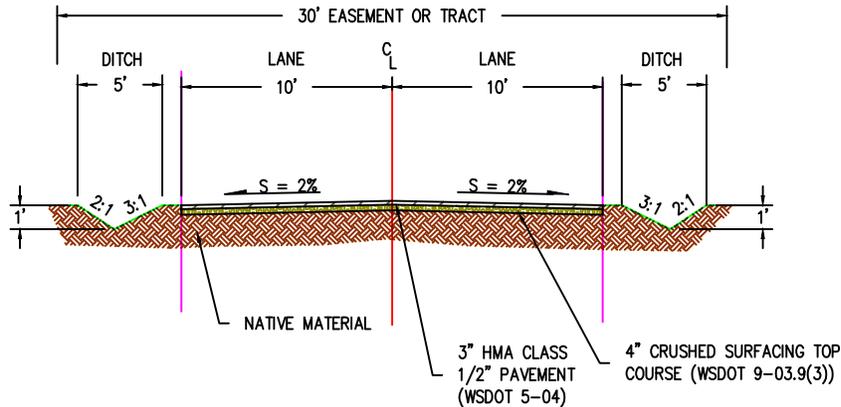
REVISED: 2/20/2015

DETAIL NO.: STDT1



URBAN LOCAL ACCESS ROAD

1. ALL LANE, SIDEWALK, AND EASEMENT DIMENSIONS ARE MINIMUM DIMENSIONS
2. ALL INTERSECTIONS, PROVIDE ADA APPROVED SIDEWALK RAMPS. SEE WSDOT STANDARD PLANS F-3A, F-3B, F-3C, F-3D, AND F-3E
3. INCLUDE PARKING LANE ON AT LEAST ONE SIDE OF THE ROADWAY
4. INCLUDE SIDEWALK ON AT LEAST ONE SIDE OF THE ROADWAY
5. SIDEWALK MAY BE PLACED ON EASEMENT WITH CITY APPROVAL THEREBY DECREASING THE REQUIRE RIGHT-OF-WAY WIDTH TO 33'



PRIVATE ROAD

1. ALL LANE, DITCH, AND EASEMENT DIMENSIONS ARE MINIMUM DIMENSIONS
2. ROAD MAY BE SUPERELEVATED ALLOWING THE DITCHES TO BE COMBINED ON ONE SIDE OF THE ROAD



City of Cashmere

101 Woodring St
509 782-3513
Fax 509 782-2840

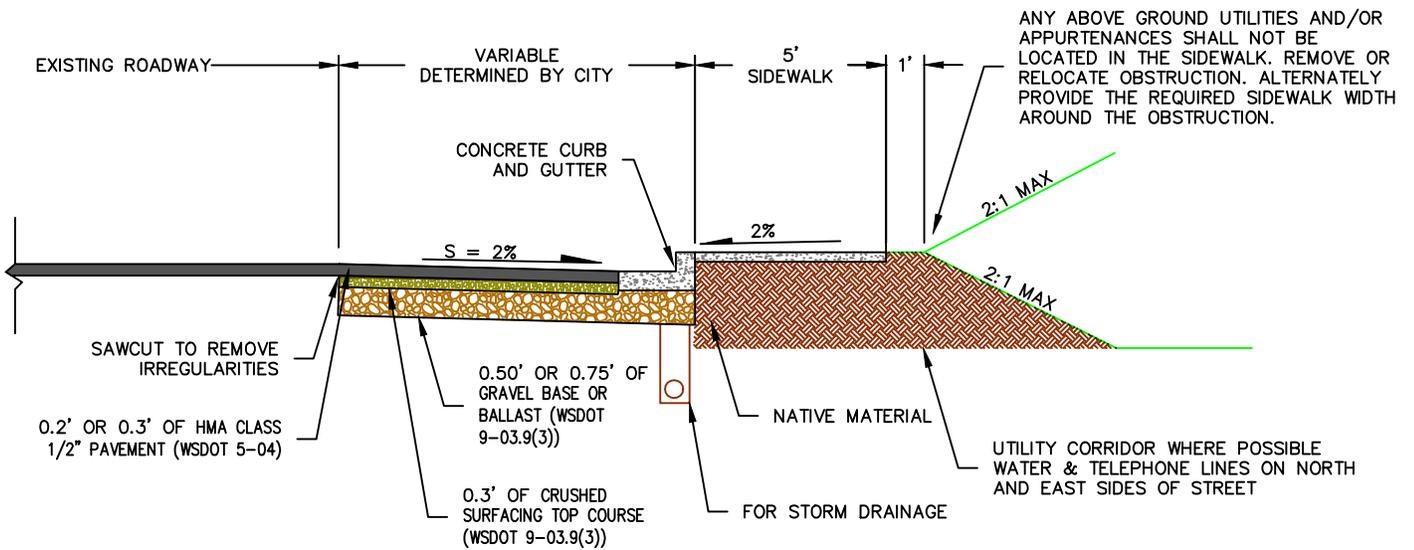
STREET DESIGN STANDARD DETAILS

URBAN LOCAL ACCESS AND PRIVATE ROAD CROSS SECTIONS

FILE: STDT2

REVISED: 2/20/2015

DETAIL NO.: STDT2



City of Cashmere

101 Woodring St
509 782-3513
Fax 509 782-2840

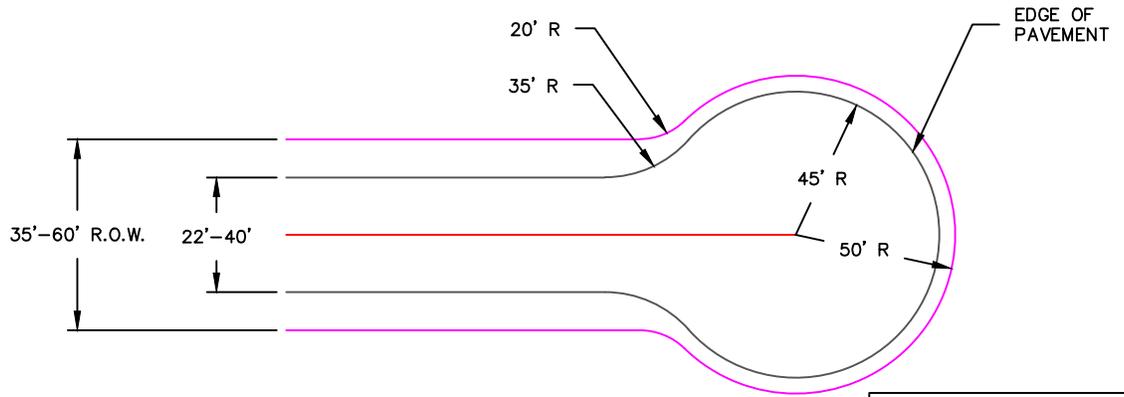
STREET DESIGN STANDARD DETAILS

STREET FRONTAGE IMPROVEMENTS

FILE: STDT3

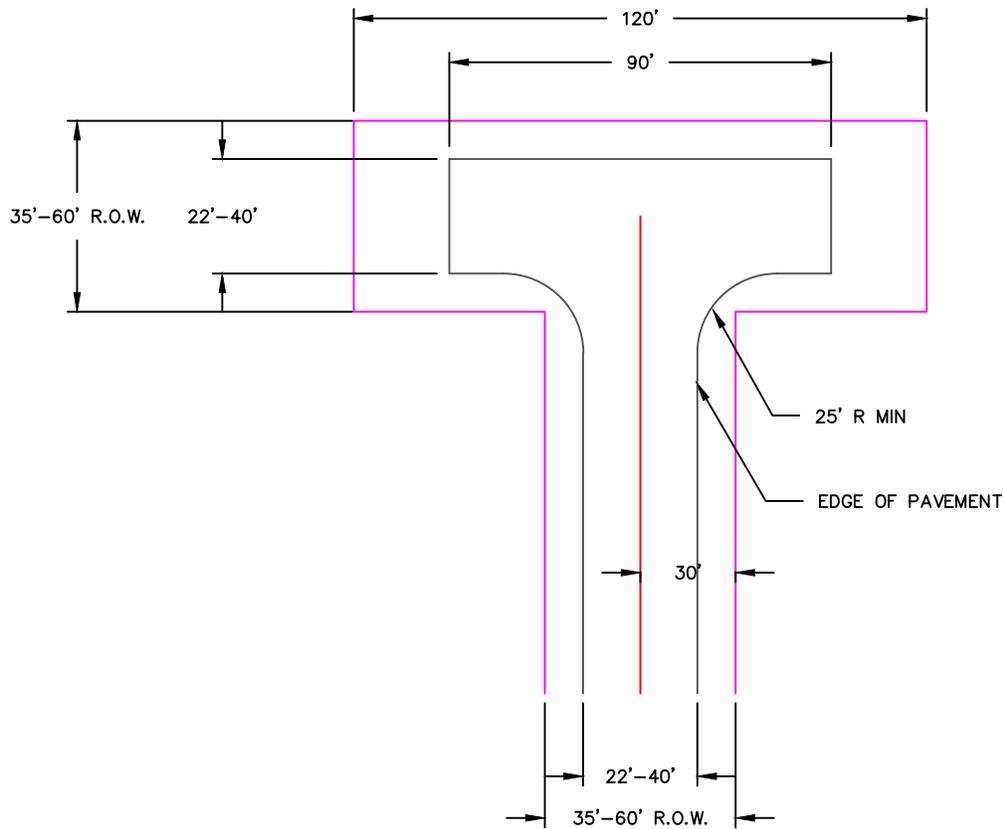
REVISED: 2/20/2015

DETAIL NO.: STDT3



CUL-DE-SAC

NOTE:
 RURAL RESIDENTIAL LOCAL
 ACCESS CUL-DE-SACS
 SHALL HAVE AN OUTSIDE
 RADIUS OF 32 FEET
 RATHER THAN THE 50 FEET
 REQUIRED ON ALL OTHER
 STREET TYPES.



HAMMERHEAD



City of Cashmere

101 Woodring St
 509 782-3513
 Fax 509 782-2840

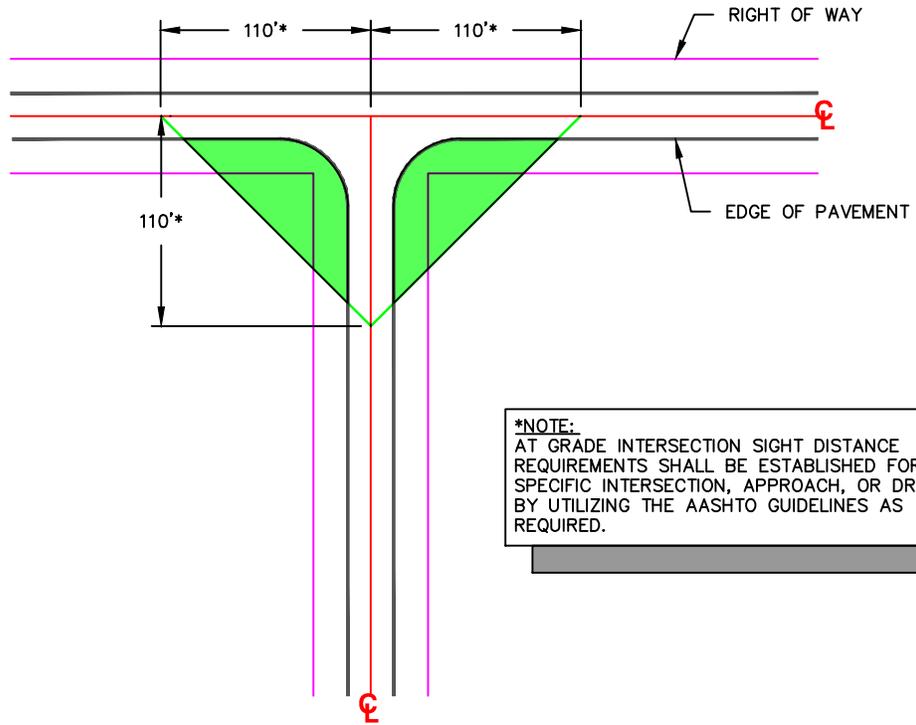
STREET DESIGN STANDARD DETAILS

CUL-DE-SAC AND HAMMERHEAD

FILE: STDT4

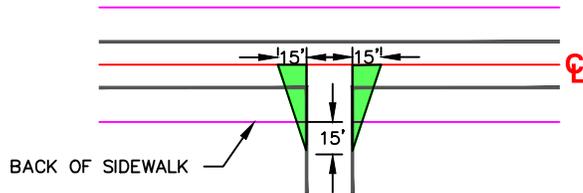
REVISED: 2/20/2015

DETAIL NO.: STDT4



***NOTE:**
 AT GRADE INTERSECTION SIGHT DISTANCE REQUIREMENTS SHALL BE ESTABLISHED FOR EACH SPECIFIC INTERSECTION, APPROACH, OR DRIVEWAY BY UTILIZING THE AASHTO GUIDELINES AS REQUIRED.

UNCONTROLLED INTERSECTION



DRIVEWAY INTERSECTION

NOTES:
 1. A CLEAR VISION TRIANGLE SHALL BE MAINTAINED FOR SIGHT DISTANCE ON ALL CORNER LOTS, DRIVEWAYS, INTERSECTING PUBLIC/PRIVATE ROADS, AND PEDESTRIAN TRAIL SYSTEMS.
 2. NO SIGN, STRUCTURE, ASSOCIATED LANDSCAPING OR ANY OTHER SIGHT OBSTRUCTION SHALL BE PLACED WITHIN THE TRIANGLE WHICH IS BETWEEN 3.5' AND 8' IN HEIGHT ABOVE THE EXISTING ROAD GRADE.



City of Cashmere

101 Woodring St
 509 782-3513
 Fax 509 782-2840

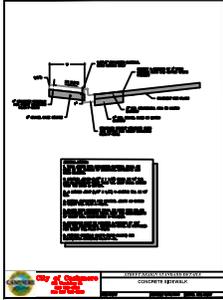
STREET DESIGN STANDARD DETAILS

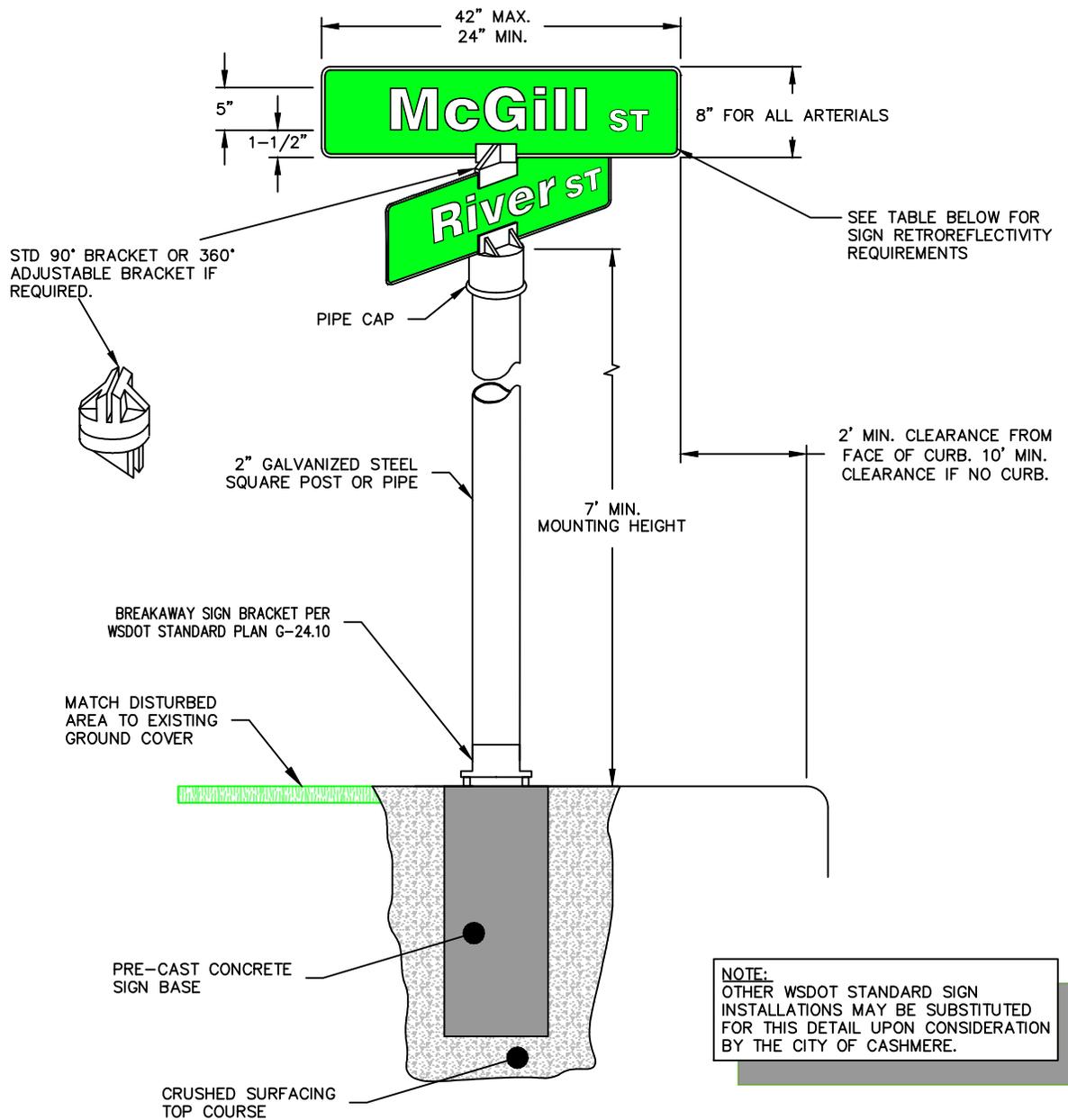
SIGHTLINE SETBACKS

FILE: STDT5

REVISED: 2/20/2015

DETAIL NO.: STDT5





SIGN MATERIAL RETROREFLECTIVITY TO BE DETERMINED BY SIGN TYPE:

SIGN TYPE	SHEETING MATERIAL
REGULATORY SIGNS	TYPE III OR IV
WARNING SIGNS	TYPE III OR IV
GUIDE SIGNS	TYPE II



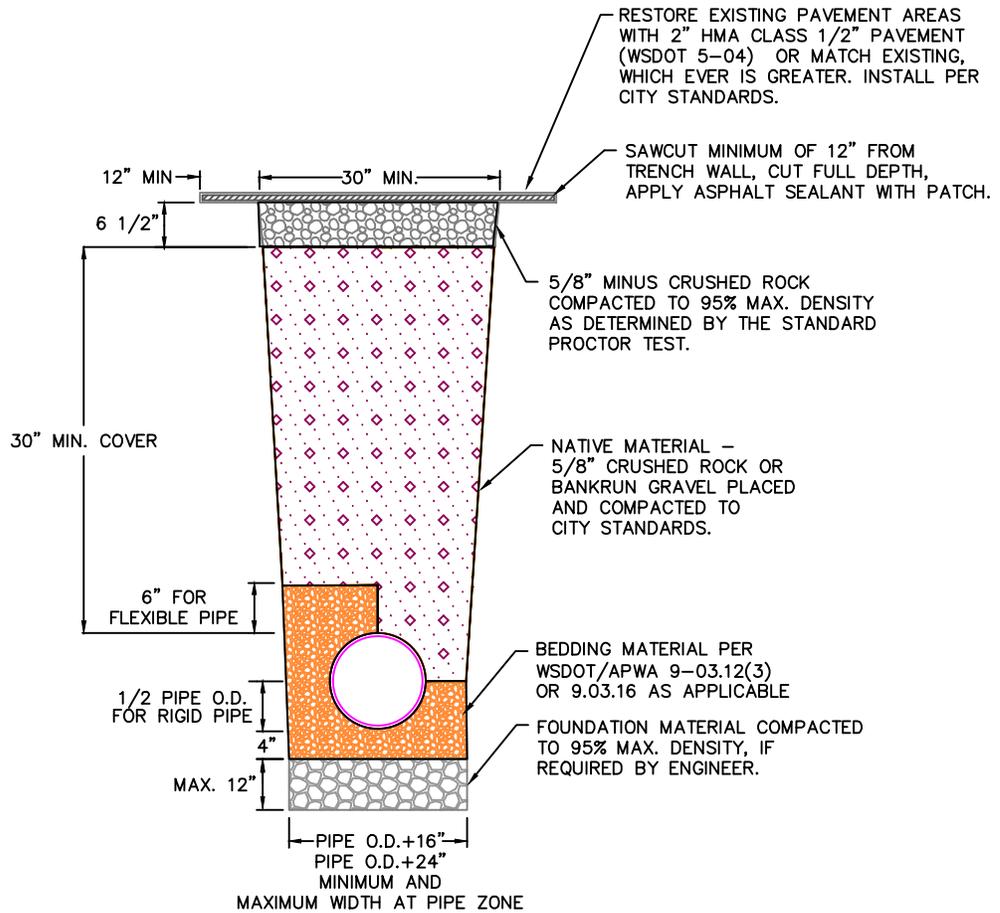
City of Cashmere
 101 Woodring St
 509 782-3513
 Fax 509 782-2840

STREET DESIGN STANDARD DETAILS
GROUND MOUNTED STREET SIGNS

FILE: STDT10

REVISED: 2/20/2015

DETAIL NO.: STDT10



City of Cashmere

101 Woodring St
509 782-3513
Fax 509 782-2840

STREET DESIGN STANDARD DETAILS

UTILITY TRENCH

FILE: STDT12

REVISED: 2/20/2015

DETAIL NO.: STDT12

STORM DRAINAGE WSDOT/APWA STANDARD PLANS INDEX

THE LATEST VERSION OF THE FOLLOWING STANDARD PLANS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION, WSDOT/APWA, ARE MADE A PART OF THE CITY OF CASHMERE STORM DRAINAGE STANDARD PLANS.

PLAN SHEET	WSDOT STANDARD PLAN
B-5.20-01	Catch Basin Type 1
B-5.40-01	Catch Basin Type 1L
B-5.60-01	Catch Basin Type 1P (for Parking Lot)
B-10.20-01	Catch Basin Type 2
B-15.20-01	Manhole Type 1
B-15.40-01	Manhole Type 2
B-15.60-01	Manhole Type 3
B-20.20-02	Drywell Type 1 (for Swale)
B-20.40-03	Drywell Type 2 (with Pipe Inlet)
B-20.60-03	Drywell Type 3 (with At-Grade Inlet)
B-30.10-01	Rectangular Frame (Reversible)
B-30.20-02	Rectangular Solid Metal Cover
B-30.30-01	Rectangular Vaned Grate
B-30.40-01	Rectangular Bi-Directional Vaned Grate
B-30.70-03	Circular Frame (Ring) and Cover
B-30.80-00	Circular Grate
B-30.90-01	Miscellaneous Details for Drainage Structures
B-55.20-00	Pipe Zone Bedding and Backfill
B-60.20-00	Connection Details for Dissimilar Culvert Pipe
B-60.40-00	Coupling Bands for Corrugated Metal Pipe
B-70.20-00	Beveled End Sections (for Culverts 30" Diameter or Less)



City of Cashmere

101 Woodring St
509 782-3513
Fax 509 782-2840

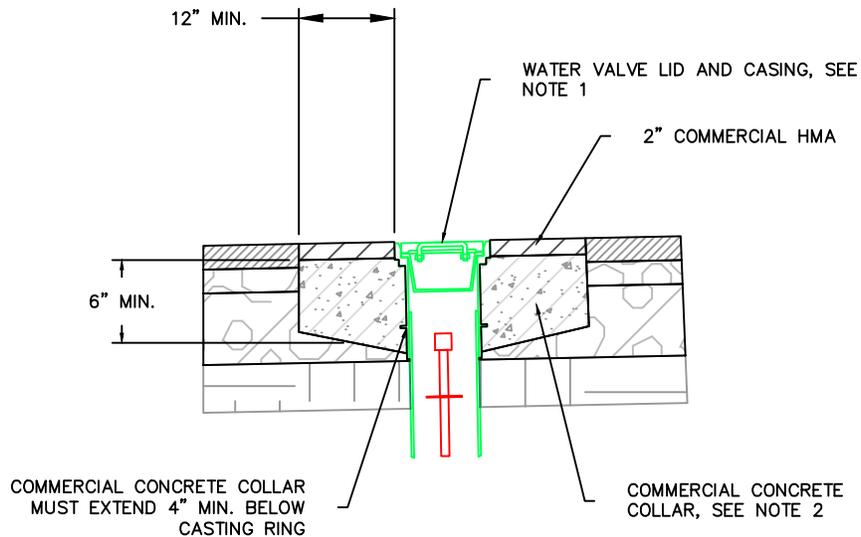
STREET DESIGN STANDARD DETAILS

**WSDOT STORM DRAINAGE
STANDARD PLANS INDEX**

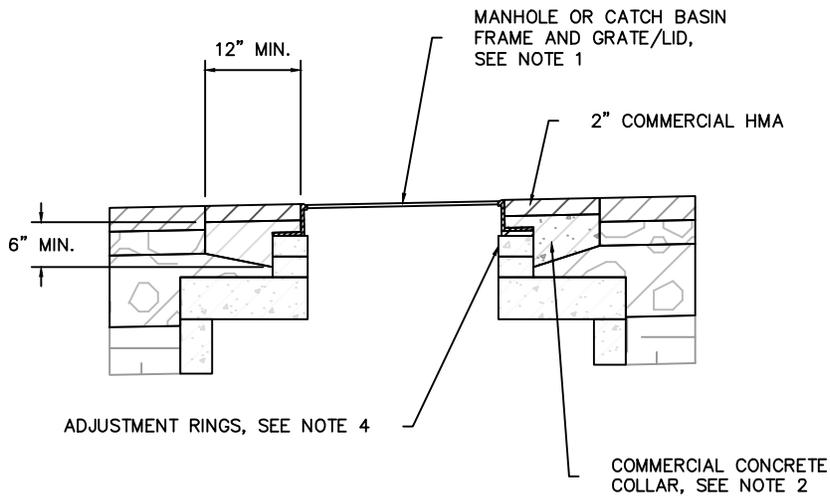
FILE: CA-SDDT14

REVISED: 2/20/2015

DETAIL NO.: SDDT14



UTILITY ACCESS TO FINISHED GRADE



MANHOLE AND CATCH BASIN TO FINISHED GRADE

GENERAL ADJUSTMENT NOTES

- 1) THE HIGHEST POINT ON THE CASING, RING, OR COVER SHALL BE NO LESS THAN FLUSH AND NO MORE THAN 1/8" BELOW ASPHALT SURFACE.
- 2) COMMERCIAL CONCRETE COLLAR MUST BE GIVEN 3 DAYS CURE TIME PRIOR TO ASPHALT CAP PLACEMENT. TIME MAY BE REDUCED WITH ENGINEER APPROVAL.
- 3) REMOVE ASPHALT AS NECESSARY IN CIRCULAR PATTERN WITH A MINIMUM OF 8 EDGES.
- 4) USE PRECAST CONCRETE ADJUSTMENT RINGS PER WSDOT STANDARD PLANS TO RAISE THE FRAMES ON MANHOLES AND CATCH BASINS.



City of Cashmere

101 Woodring St
509 782-3513
Fax 509 782-2840

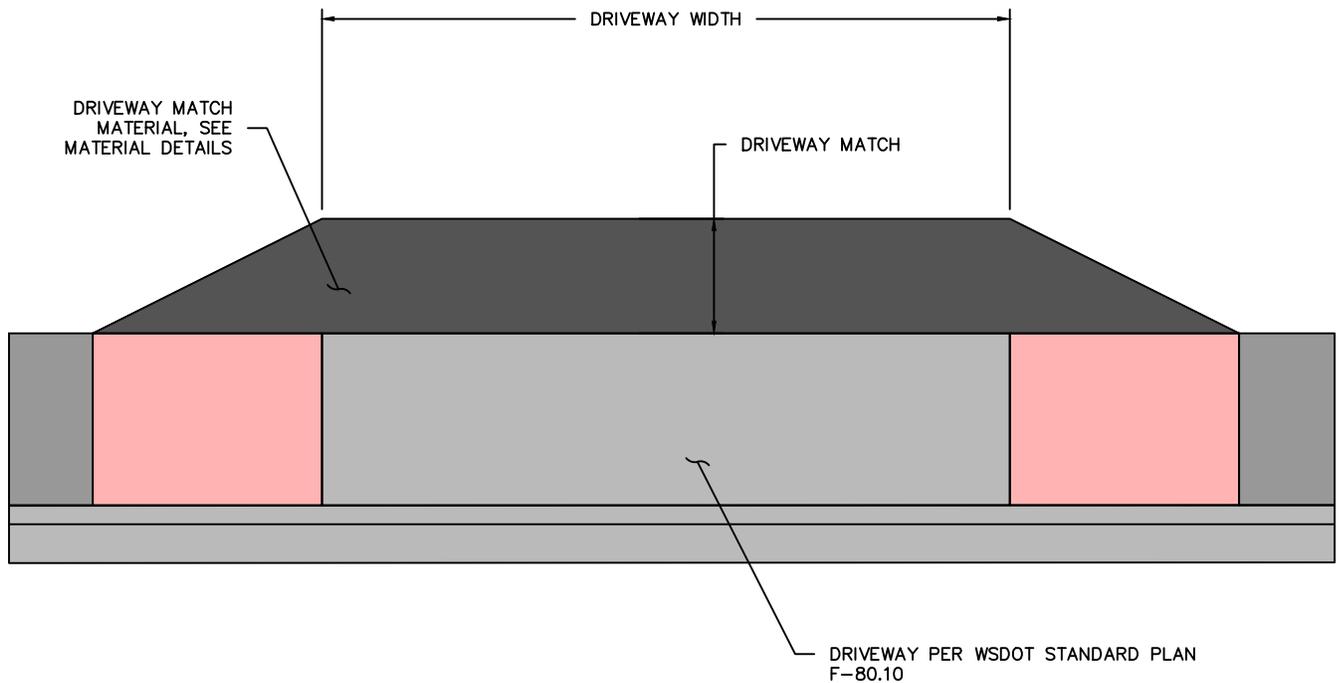
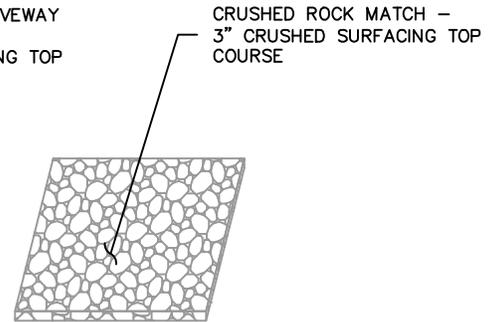
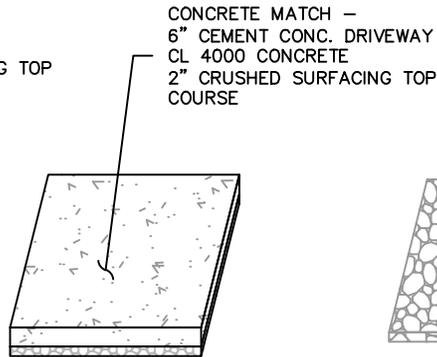
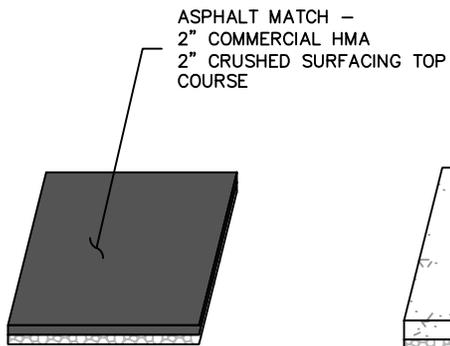
STREET DESIGN STANDARD DETAILS

UTILITY ADJUSTMENTS TO FINISHED GRADE

FILE: STDT15

REVISED: 2/20/2015

DETAIL NO.: STDT15



City of Cashmere
101 Woodring St
509 782-3513
Fax 509 782-2840

STREET DESIGN STANDARD DETAILS

TYPICAL DRIVEWAY MATCH DIMENSIONS AND MATERIALS

FILE: STDT16

REVISED: 2/20/2015

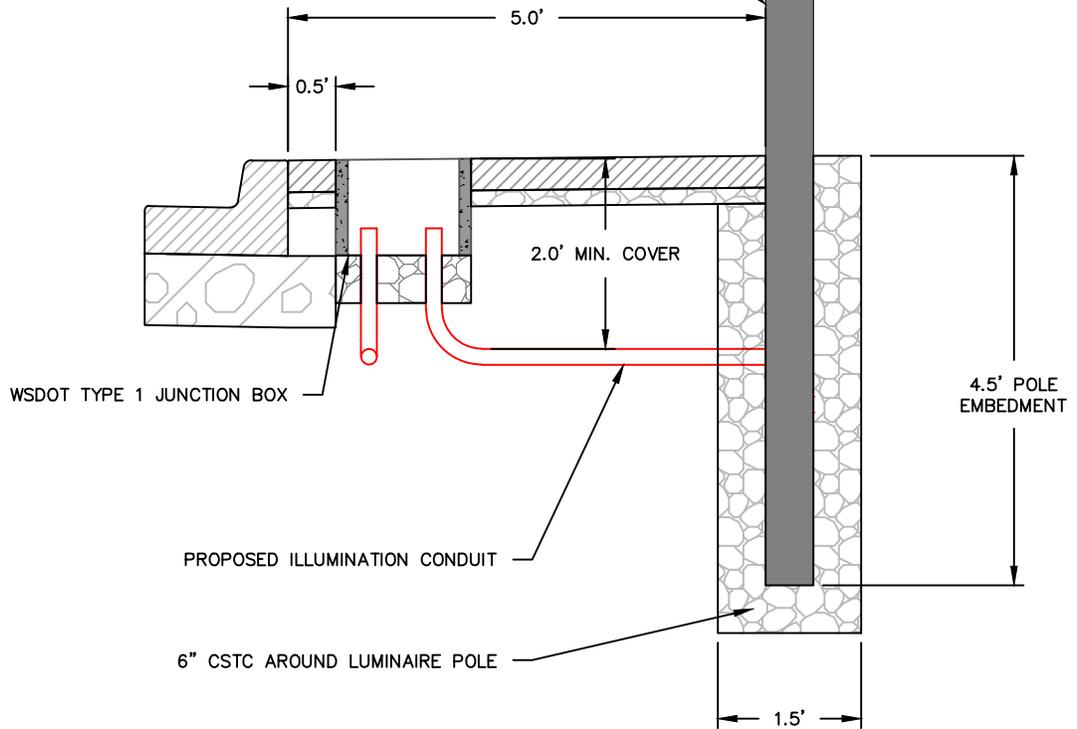
DETAIL NO.: STDT16

LUMINAIRE:
 AMERICAN REVOLUTION SERIES
 247L-20LEDE10-MVOLT-5K-R3-AY-BLACK-NR-SS-TL-UL LISTED

(2) - #8 CONDUCTORS TO LUMINAIRE

POLE:
 CMT, LLC
 TB18-B-50-N3-HS-T238-IA-22

SEE PLAN FOR STA/OFF REFERENCING
 POLE CENTER LOCATION



City of Cashmere

101 Woodring St
 509 782-3513
 Fax 509 782-2840

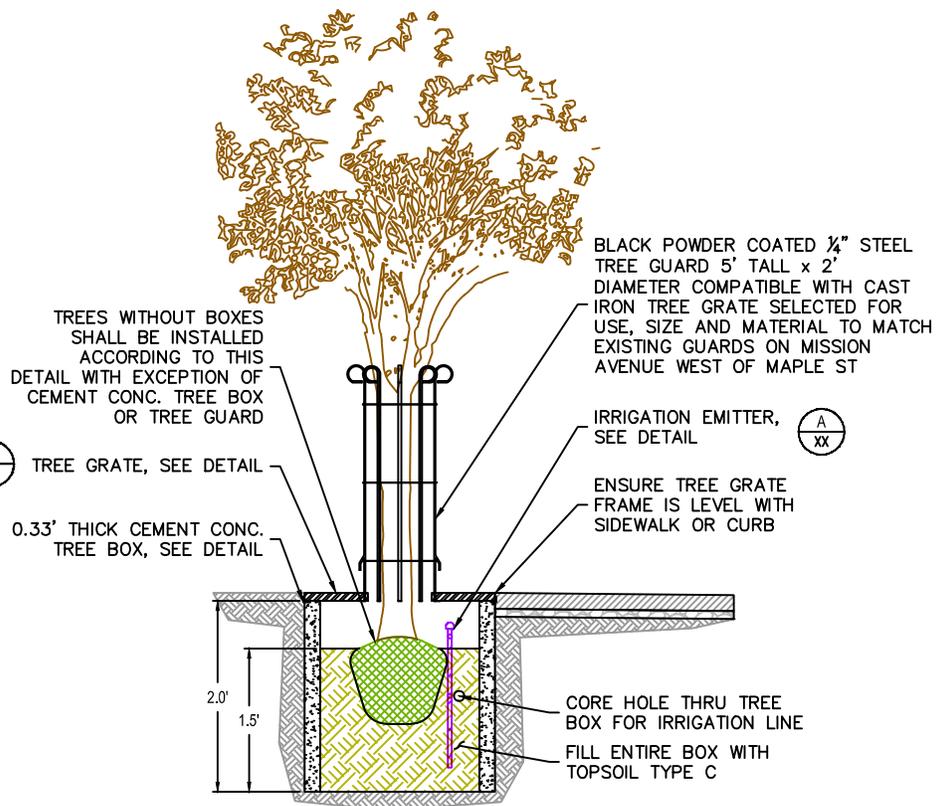
STREET DESIGN STANDARD DETAILS

LUMINAIRE DETAIL

FILE: STDT18

REVISED: 2/20/2015

DETAIL NO.: STDT18

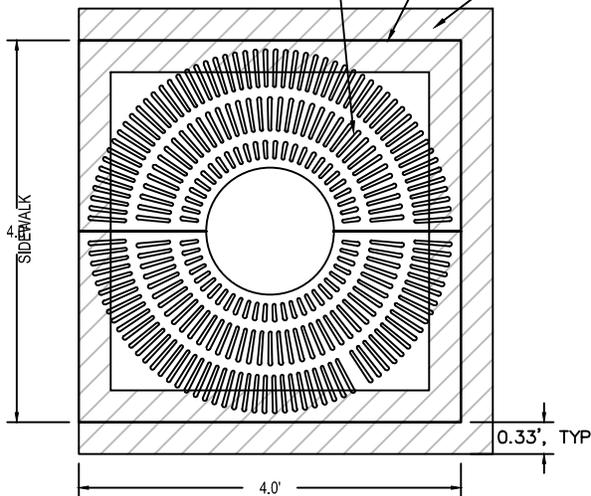


STREET TREE BOX AND PLANTING

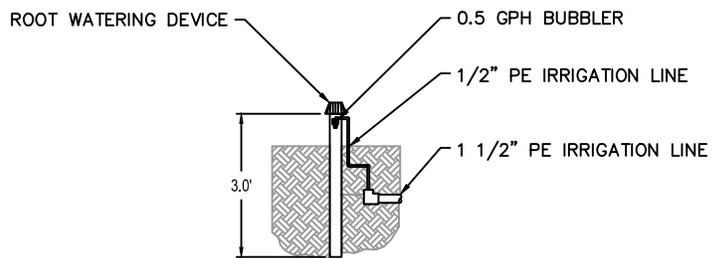
CAST IRON TREE GRATE 48"X48" (2 PIECES) EXPANDABLE CONCENTRIC GRATE PATTERN (16" TO 24") WITH 5/8" MAX OPENINGS. PROVIDE COMPATIBLE CASTE IRON FRAME, SECURELY EMBED INTO CONCRETE, SIZE AND MATERIAL TO MATCH EXISTING GRATES ON MISSION AVENUE WEST OF MAPLE ST

ANCHOR TREE GRATE FRAME INTO CONCRETE, TYP

6" THICK CAST-IN-PLACE CONCRETE



CEMENT CONC. TREE BOX FRAME AND GRATE DETAIL



TREE BOX IRRIGATION EMITTER



City of Cashmere
 101 Woodring St
 509 782-3513
 Fax 509 782-2840

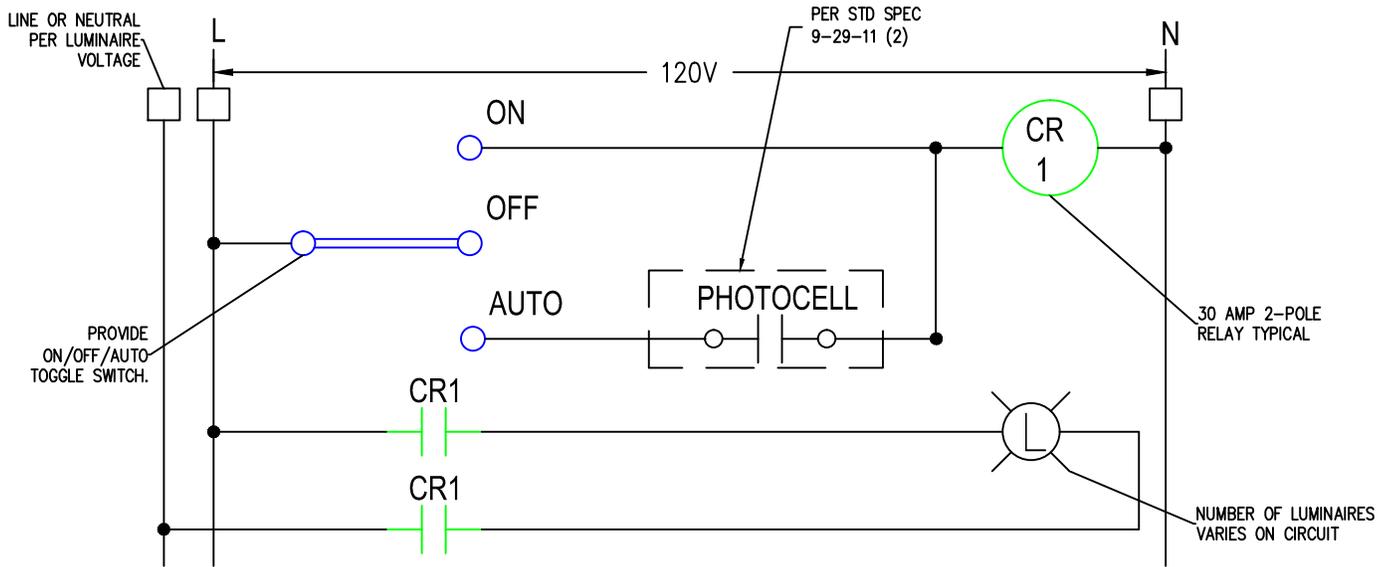
STREET DESIGN STANDARD DETAILS

STREET TREE BOX AND PLANTING

FILE: STDT19

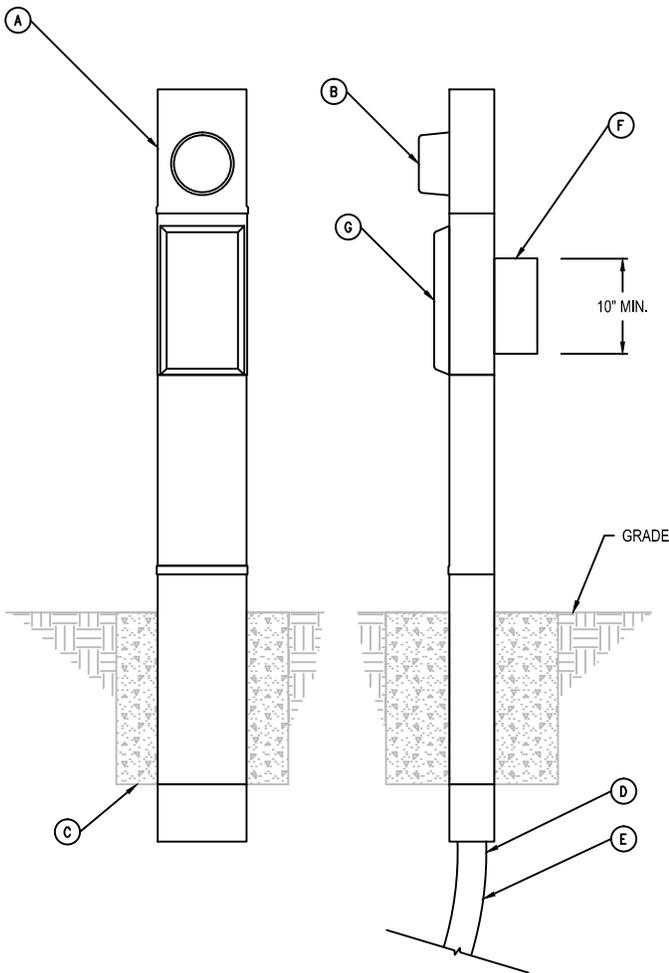
REVISED: 2/20/2015

DETAIL NO.: STDT19



LIGHTING CONTROL CIRCUIT DIAGRAM (F)

NO SCALE



FRONT AND SIDE VIEW

NTS

GENERAL NOTES

1. CONTRACTOR SHALL PERFORM ALL ELECTRICAL WORK IN ACCORDANCE WITH NEC AND LOCAL REGULATIONS AND STANDARDS.
2. ALL ENCLOSURES SHALL BE MINIMUM NEMA 3R IF NOT OTHERWISE NOTED.
3. ALL INTERNAL WIRE RUNS SHALL BE IDENTIFIED AND LABELED WITH APPROVED PVC OR POLYOLEFIN WIRE MARKING SLEEVES.
4. ANY UNISTRUT TYRE CHANNEL AND MOUNTING HARDWARE COMPONENTS SHALL BE STAINLESS STEEL. CONDUIT CLAMPS SHALL BE HOT DIPPED, GALVANIZED STEEL OR STAINLESS STEEL.
5. INSTALL CONDUIT COUPLINGS ON ALL CONDUITS. PLACE COUPLINGS FLUSH WITH THE TOP OF CONCRETE FOUNDATION.
6. ALL CONDUCTORS INSTALLED SHALL BE STANDED AND #12 AWG OR LARGER. CONDUCTORS MAY BE TYPE THWN, THHW, OR THW.
7. PHOTOCELL, CONTACTOR, BREAKERS, AND ALL OTHER EQUIPMENT SHALL BE PER WSDOT STANDARD SPECIFICATIONS 9-29.
8. METER PER SERVING UTILITY REQUIREMENTS.
9. SERVICE GROUNDING NOT SHOWN, BUT REQUIRED. SEE NOTE 1.

KEY

- A. FACTORY-BUILT NEMA 3R SERVICE ENTRANCE METER PEDESTAL
- B. METER FURNISHED BY PUD
- C. MIN. 18" X 18" X 18" CONCRETE BASE
- D. SERVICE LATERAL 3" SCH40 CONDUIT (W/ MIN. 36" RADIUS SWEEP)
- E. CONDUIT TO ILLUMINATION. SIZE AND CONDUCTORS PER PLANS.
- F. LIGHTING CONTROL PANEL. LOCKABLE NEMA 4 RATED ENCLOSURE WITH PHOTOCELL AND MAIN DISCONNECT. SEE CONTROL DIAGRAM FOR DETAILS.
- G. LOAD CENTER. LOCKABLE. SEE BREAKER SCHEDULE PER PLANS.



City of Cashmere

101 Woodring St
509 782-3513
Fax 509 782-2840

STREET DESIGN STANDARD DETAILS

ELECTRICAL SERVICE DETAIL

FILE: STDT21

REVISED: 2/20/2015

DETAIL NO.: STDT21

REVISION HISTORY

2/20/2015

UPDATED STANDARD DETAIL FORMATTING, MADE MINOR EDITS PER CITY COMMENTS; ADDED NEW COVER SHEET, REVISION SHEET AND FULL SIZE DRAWINGS WITH EIGHT (8) DETAILS ON EACH.



City of Cashmere

101 Woodring St
509 782-3513
Fax 509 782-2840

STREET DESIGN STANDARD DETAILS

REVISION HISTORY

FILE:CA-STDT-REVHIST

REVISED: 2/20/2015

DETAIL NO.: STDT-REVHIST