

NOTES:

1. UTILITIES SHALL BE LOCATED AS SHOWN UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER.
2. THE SANITARY SEWER ZONE SHOWN ABOVE IS THE PREFERRED CORRIDOR IN WHICH SEWERS ARE TO BE LOCATED, UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER.
3. SEE DIVISION 3 - SEWER FOR SANITARY SEWER MINIMUM DEPTH REQUIREMENTS.
4. LATERALS AND P/L CLEANOUTS TO BE INSTALLED DURING CONSTRUCTION OF SANITARY SEWER MAINS.
5. THE SEPARATION BETWEEN WATER LINES AND SEWER LINES, SUBJECT TO APPROVAL BY THE CITY ENGINEER, MAY BE LESS THAN 10 FEET, AS PER OREGON DEPT. OF HUMAN SERVICES RULES, CHAPTER 6, PUBLIC WATER SYSTEMS.
6. UNITY TRENCH PER UTILITY COMPANY REQUIREMENTS ON OPPOSITE SIDE OF STREET FROM WATER LINE.

LAST REVISION DATE: OCTOBER 2010	
TYPICAL UTILITY LOCATIONS	
CITY: DUNDEE, OREGON	DRAWING NUMBER: 100

THE FOLLOWING LATEST VERSION OF THE OREGON STANDARD DRAWINGS PUBLISHED BY APWA/ODOT SHALL BE USED AS A CITY OF DUNDEE STANDARD WITH DUNDEE SPECIFIC REQUIREMENTS IN PARENTHESES:

OSSC STANDARD DRAWING NUMBER	OSSC STANDARD DRAWING NAME	DUNDEE EXCEPTION TO DRAWING
RD250	THRUST BLOCKING	NO EXCEPTION TAKEN
RD254	HYDRANT INSTALLATION	NO EXCEPTION TAKEN
RD255	FIRE HYDRANT BOLLARD	NO EXCEPTION TAKEN
RD258	VALVE BOX AND OPERATOR EXTENSION ASSEMBLY	NO EXCEPTION TAKEN
RD262	TYPICAL MAIN DEAD-END BLOWOFF ASSEMBLY	NO EXCEPTION TAKEN
RD266	MANUAL AIR-RELEASE ASSEMBLY ( $\frac{3}{4}$ "	NO EXCEPTION TAKEN
RD274	$\frac{3}{4}$ " TO 2" WATER SERVICE CONNECTION	NO EXCEPTION TAKEN
RD286	ROOT BARRIER	NO EXCEPTION TAKEN
RD300	TRNCH BACKFILL, BEDDING, PIPEZONE AND MULTIPLE INSTALLATIONS.	NO EXCEPTION TAKEN
RD302	STREET CUT	NO EXCEPTION TAKEN
RD306	CONCRETE ENCASEMENT, CRADLE AND CAP DETAILS	NO EXCEPTION TAKEN
RD308	BORE CASING DETAIL	NO EXCEPTION TAKEN

STANDARD DRAWING PUBLISHED BY APWA/ODOT NOT LISTED SHALL NOT BE USED WITHOUT PRIOR APPROVAL BY THE PUBLIC WORKS DEPARTMENT

LAST REVISION DATE:

AUGUST 2015

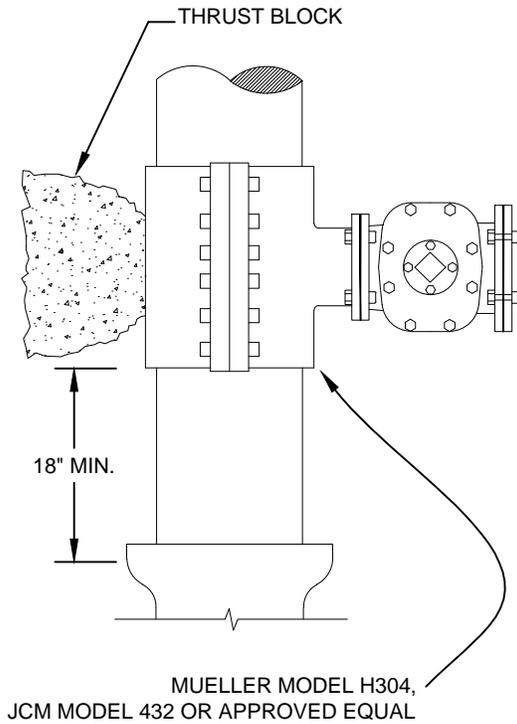
OSSC ACCEPTABLE  
WATER STANDARD  
DRAWINGS

CITY:

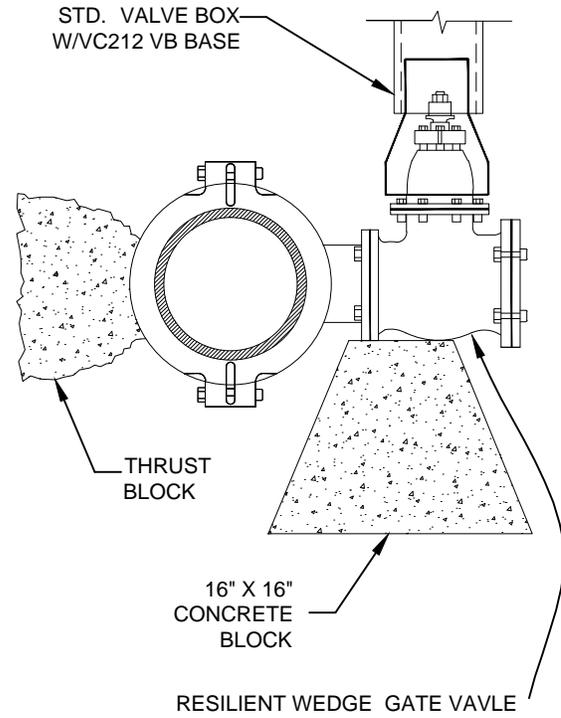
DUNDEE, OREGON

DRAWING NUMBER:

200



TOP VIEW



SIDE VIEW

NOTES:

1. WATER MAIN SHALL BE CLEANED BEFORE ATTACHING SLEEVE
2. WATER TAPPING SLEEVE SHALL BE ALL STAINLESS STEEL WITH FULL PERIMETER GASKET.
3. TAPPING VALVE SHALL BE EPOXY COATED PER AWWA C-550.
4. SLEEVE AND VALVE SHALL BE PRESSURE TESTED BEFORE MAKING TAP. PRESSURE TEST AND TAP SHALL BE MADE IN THE PRESENCE OF AN AUTHORIZED CITY REPRESENTATIVE.
5. APPROVED TAPPING MACHINE SHALL BE USED TO MAKE TAP.
6. 3/4" GRANULAR BACKFILL SHALL BE PAVED AND COMPACTED TO 95% OF MAXIMUM DENSITY AS DETERMINED BY AASHTO T-180.
7. THRUST BLOCKING REQUIREMENTS SHALL BE DETERMINED BY THE ENGINEER.
8. TAP SHALL BE , MADE NO CLOSER THAN 18" FROM NEAREST JOINT.
9. SLEEVE AND VALVE SHALL BE WRAPPED WITH 8 MIL PLASTIC PRIOR TO CONCRETE PLACEMENT.
10. CONCRETE BLOCK(S) SHALL COMPLETELY SUPPORT TAPPING TEE AND VALVE.
11. CONTRACTOR SHALL COORDINATE ALL TAPS WITH CITY AND PERFORM ALL TAPS WITH PUBLIC WORKS STALL PRESENT.

LAST REVISION DATE:

AUGUST 2015

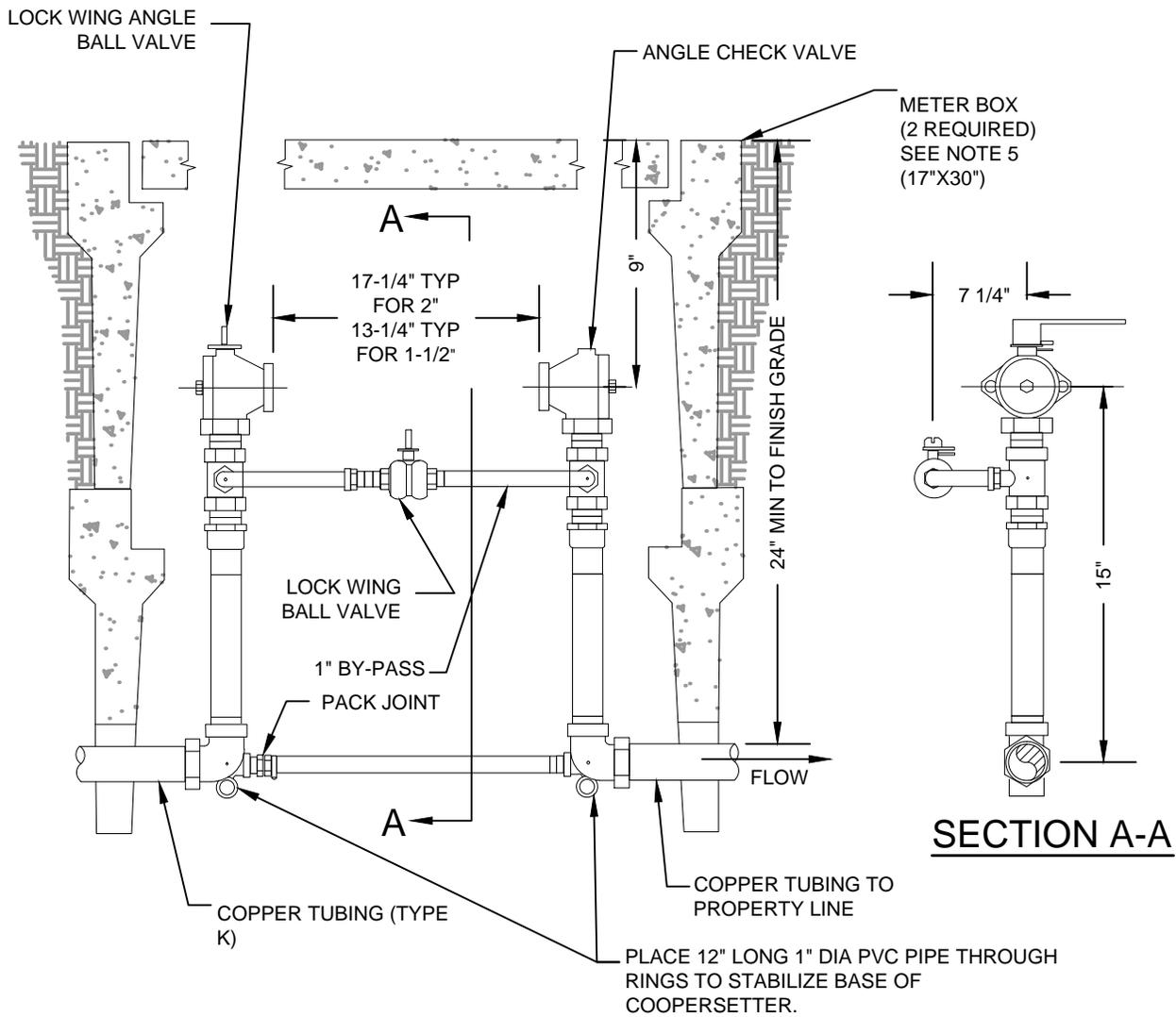
TAPPING TEE  
AND VALVE

CITY:

DUNDEE, OREGON

DRAWING NUMBER:

201



**NOTES:**

1. METERS SET TO BE FORD COPPERSETTER #B-95082 WITH RAISED LOCKING BYPASS OR APPROVED EQUAL.
2. SUBSTITUTES FOR ANY MATERIALS SHOWN SHALL BE APPROVED BY THE CITY ENGINEER.
3. ALL PIPE AND BACKFILL ZONES SHALL BE BACKFILLED USING 3/4" MINUS GRANULAR MATERIAL AND COMPACTED TO 92% OPTIMUM DENSITY PER AASHTO T-18D.
4. SET FRONT OF METER BOX 3-INCHES BEHIND SIDEWALK (TYPICAL) FOR CURBLINE WALKS. NO METERS ON PRIVATE PROPERTY WITHOUT A RECORDED EASEMENT.
5. METER BOX SHALL BE CENTERED OVER THE COMPLETED METER ASSEMBLY. METER BOX TO BE ARMORCAST. A6001640PCX12 W/A6001643 LID IN TRAFFIC AREAS. A6001640PCX12 W/A6001643R ELSEWHERE. PROVIDE WITH KNOCKOUTS FOR TOUCH-READ SENSORS.
6. WATER METER SET BY CITY FORCES. COPPERSETTER, METER BOX, & ALL FITTINGS PROVIDED BY DEVELOPER.
7. SEE DETAIL 210 FOR TAPPING REQUIREMENTS.

LAST REVISION DATE: OCTOBER 2010	
1-1/2 INCH AND 2 INCH METER SET WITH 1INCH HIGH BY-PASS	
CITY: DUNDEE, OREGON	DRAWING NUMBER: 202

THE FOLLOWING LATEST VERSION OF THE OREGON STANDARD DRAWINGS PUBLISHED BY APWA/ODOT SHALL BE USED AS A CITY OF DUNDEE STANDARD WITH DUNDEE SPECIFIC REQUIREMENTS IN PARENTHESES:

OSSC STANDARD DRAWING NUMBER	OSSC STANDARD DRAWING NAME	DUNDEE EXCEPTION TO DRAWING
RD300	TRNCH BACKFILL, BEDDING, PIPEZONE AND MULTIPLE INSTALLATIONS.	NO EXCEPTION TAKEN
RD302	STREET CUT	NO EXCEPTION TAKEN
RD306	CONCRETE ENCASEMENT, CRADLE AND CAP DETAILS	NO EXCEPTION TAKEN
RD308	BORE CASING DETAIL	NO EXCEPTION TAKEN
RD310	SHALLOW/DEEP TRENCH SERVICE CONNECTION, BLOCKING AND MARKERS	NO EXCEPTION TAKEN
RD336	STANDARD MANHOLE DETAILS	NO EXCEPTION TAKEN
RD338	STANDARD SANITARY SEWER MANHOLE	FLAT TOP MANHOLES TO BE USED FOR ALL MANHOLES LESS THAN 6 FEET FROM RIM TO INLET
RD344	STANDARD MANHOLE BASE SECTION	NO EXCEPTION TAKEN
RD354	CARRY-THROUGH MANHOLE	NO EXCEPTION TAKEN
RD356	MANHOLE FRAMES AND COVERS	NO EXCEPTION TAKEN
RD360	MANHOLE FRAME ADJUSTMENT	NO EXCEPTION TAKEN
RD362	SANITARY CLEANOUT	NO EXCEPTION TAKEN

STANDARD DRAWING PUBLISHED BY APWA/ODOT NOT LISTED SHALL NOT BE USED WITHOUT PRIOR APPROVAL BY THE PUBLIC WORKS DEPARTMENT

LAST REVISION DATE:

AUGUST 2015

OSSC ACCEPTABLE  
SEWER STANDARD  
DRAWINGS

CITY:

DUNDEE, OREGON

DRAWING NUMBER:

300

THE FOLLOWING LATEST VERSION OF THE OREGON STANDARD DRAWINGS PUBLISHED BY APWA/ODOT SHALL BE USED AS A CITY OF DUNDEE STANDARD WITH DUNDEE SPECIFIC REQUIREMENTS IN PARENTHESES:

OSSC STANDARD DRAWING NO.	OSSC STANDARD DRAWING NAME	DUNDEE EXCEPTION TO DRAWING
RD115	MONUMENT BOX	NO EXCEPTION TAKEN
RD130	BOLLARDS	NON-REMOVABLE BOLLARDS SHALL BE CONCRETE FILLED WITH ROUNDED CONCRETE CAP
RD610	ASPHALT CONCRETE PAVEMENT (ACP) DETAILS	NO EXCEPTION TAKEN
RD700	CURBS	E=6", MOUNTABLE CURBS NOT PERMITTED WITHOUT APPROVAL OF THE CITY ENGINEER. 3" PVC WEEPHOLES TO BE LOCATED AT DRIVEWAY AND AT LOW POINTS IN CURB, 2 PER LOT MAXIMUM.
RD701	DRAINAGE CURBS	NO EXCEPTIONS TAKEN
RD705	ISLANDS	NO EXCEPTION TAKEN
RD706	TRAFFIC SEPARATORS AND TRANSITIONS	NO EXCEPTION TAKEN
RD707	ISLAND NOSE TREATMENTS	NO EXCEPTION TAKEN
RD710	ACCESSIBLE ROUTE ISLAND	NO EXCEPTION TAKEN
RD715	APPROACHES AND NON-SIDEALK DRIVEWAYS	NO EXCEPTION TAKEN
RD720	SIDEWALKS	NO EXCEPTION TAKEN
RD740	SEPARATED SIDEWALK DRIVEWAYS OR ALLEYS (OPTIONS H, I AND J) LOCAL JURISDICTIONS	TYPE J DRIVEWAY REQUIRES ADVANCE APPROVAL FROM THE CITY ENGINEER
RD745	CURB LINE SEIDEWALK DRIVEWAYS OR ALLEYS (OPTIONS K AND L) LOCAL JURISDICTIONS	NO EXCEPTION TAKEN
RD750	CURB LINE SIDEWALK DRIVEWAYS OR ALLEYS (OPTIONS M AND N) LOCAL JURISDICTIONS	TYPE M & N DRIVEWAYS REQUIRE ADVANCE APPROVAL BY THE CITY ENGINEER
RD755	SIDEWALK RAMP DETAILS	NO EXCEPTION TAKEN
RD756	SIDEWALK RAMP PLACEMENT OPTIONS CURB RADII ≤ 15'	DRAWING TO USED ON ALL RADII UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER
RD757	SIDEWALK RAMP PLACEMENT OPTIONS CURB RADDII > 15'	REQUIRES ADVANCE APPROVAL BY THE CITY ENGINEER. TYPES J, K & L SHALL NOT BE PERMITTED.
RD759	TRUNCATED DOME DETECTABLE WARNING SURFACE DETAILS & LOCATIONS	DUNDEE STANDARD COLOR TO BE RED

STANDARD DRAWING PUBLISHED BY APWA/ODOT NOT LISTED SHALL NOT BE USED WITHOUT PRIOR APPROVAL BY THE PUBLIC WORKS DEPARTMENT

LAST REVISION DATE:

AUGUST 2015

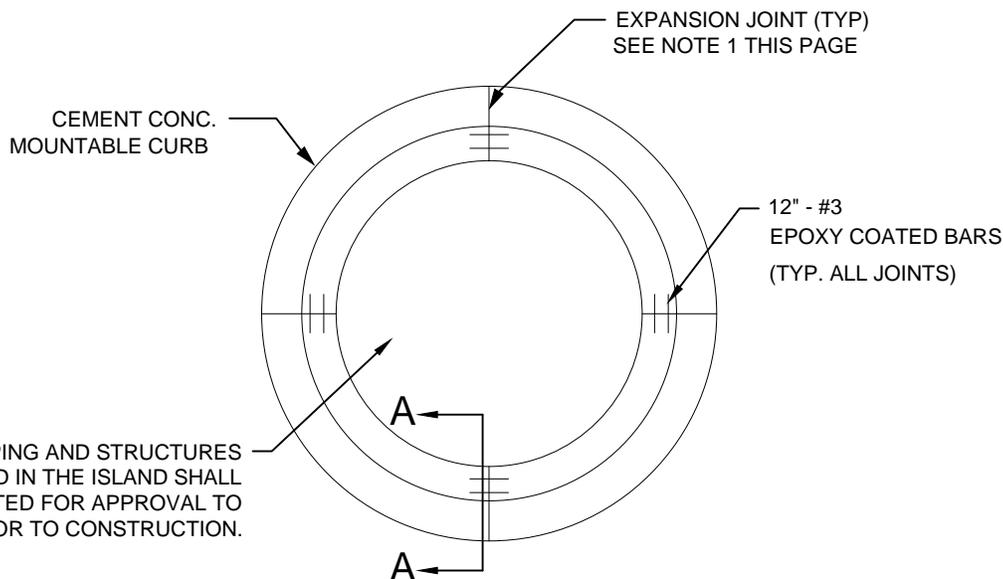
OSSC ACCEPTABLE  
STREET STANDARD  
DRAWINGS

CITY:

DUNDEE, OREGON

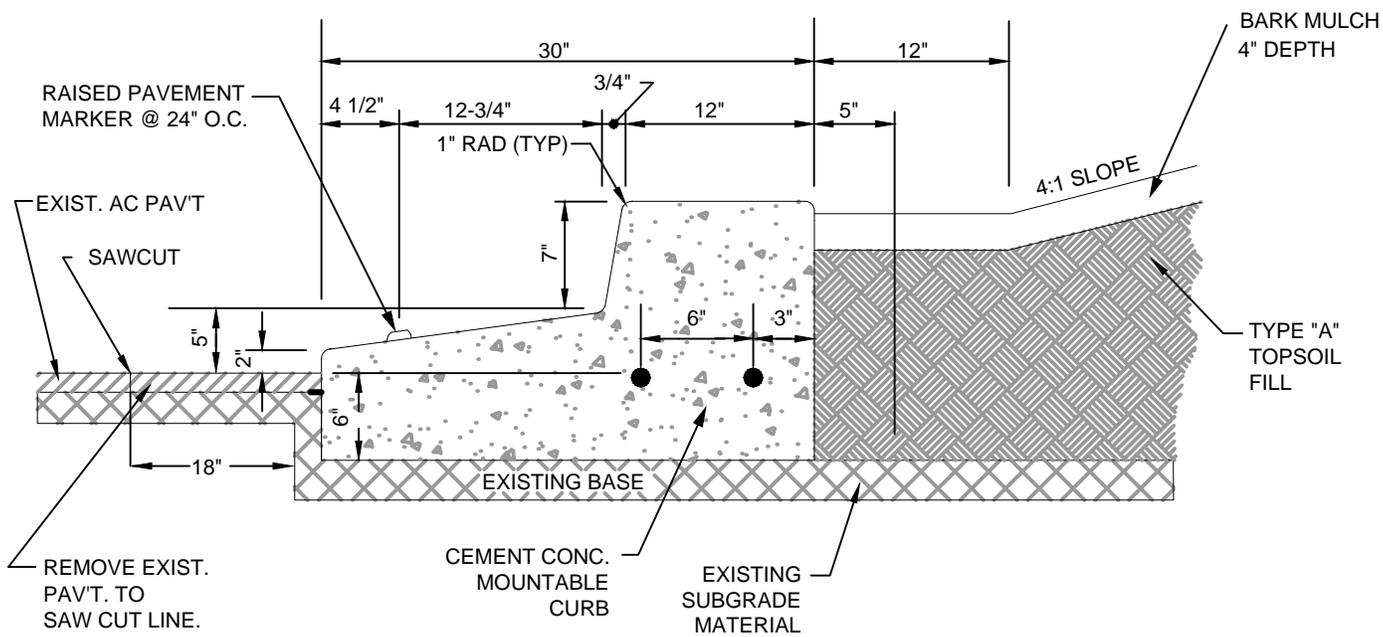
DRAWING NUMBER:

400



ALL LANDSCAPING AND STRUCTURES  
CONSTRUCTED IN THE ISLAND SHALL  
BE SUBMITTED FOR APPROVAL TO  
THE CITY PRIOR TO CONSTRUCTION.

**PLAN VIEW**



**SECTION A-A**

NOTE:

EXPANSION JOINT MATERIAL SHALL  
BE 3/8" THICK PREMOLDED JOINT  
FILLER FULL THICKNESS OF  
CONCRETE

LAST REVISION DATE:

OCTOBER 2010

TRAFFIC CIRCLE

CITY:

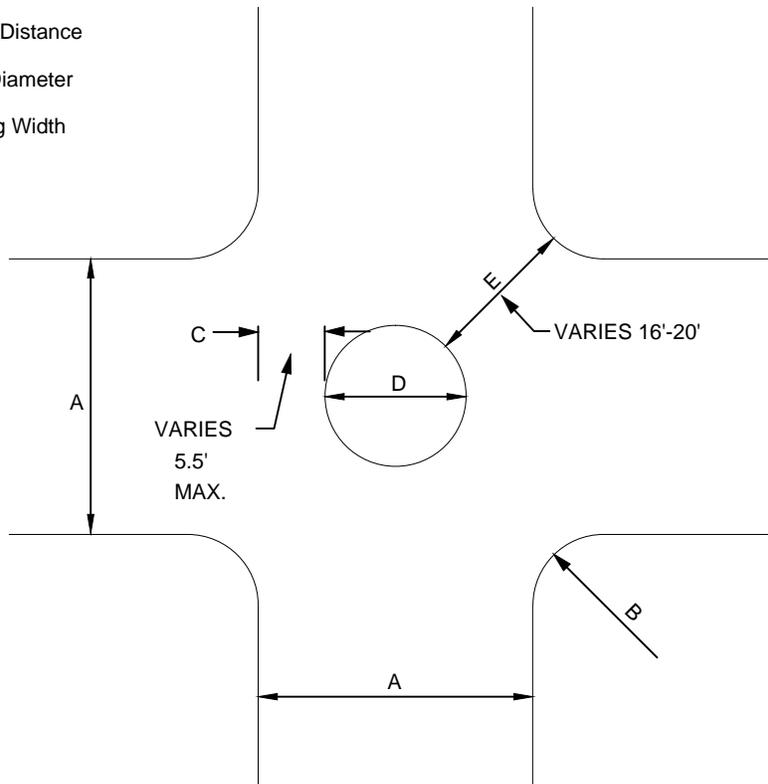
DUNDEE, OREGON

DRAWING NUMBER:

411

**LEGEND:**

- A Street Width
- B Curb Return Radius
- C Off-Set Distance
- D Circle Diameter
- E Opening Width



**INTERSECTION DIAGRAM**

**OPTIMUM CRITERIA**

<u>IF C =</u>	<u>THEN</u>	<u>E WILL BE</u>
5.5' MAX		16'MIN
5.0'		17' +
4.5'		18' +
4.0'		19' +
3.5' OR LESS		20'

LAST REVISION DATE:

OCTOBER 2010

TRAFFIC CIRCLE  
INTERSECTION  
DIAGRAM

CITY:

DUNDEE, OREGON

DRAWING NUMBER:

412

A STREET WIDTH	B CURB RETURN RADIUS	C OFF-SET DISTANCE	D CIRCLE DIAMETER	E OPENING WIDTH
20' ↓	<15'	RECONSTRUCT CURBS		
	15'	5.5'	9'	16'+
	18'	5.0'	10'	17'+
	20'	4.5'	11'	18'-
	25'	4.0'	12'	19'+
24' ↓	<12'	RECONSTRUCT CURBS		
	12'	5.5'	13'	16'
	15'	5.0'	14'	17'-
	20'	4.5'	15'	18'+
	25'	3.5'	17'	20'-
25' ↓	<12'	RECONSTRUCT CURBS		
	12'	5.5'	14'	16'+
	15'	5.0'	15'	17'-
	18'	4.5'	16'	18'-
	20'	4.5'	16'	18'+
	25'	3.5'	18'	20'-
30' ↓	10'	5.5'	19'	16'+
	12'	5.0'	20'	17'-
	15'	5.0'	20'	17'+
	18'	4.5'	21'	18'+
	20'	4.0'	22'	19'+
	25'	3.0'	24'	20'
36' ↓	10'	5.0'	26'	17'-
	12'	5.0'	26'	17'+
	15'	4.5'	27'	18'+
	18'	4.0'	28'	19'+
	20'	3.5'	29'	20'-
	25'	1.5'	33'	20'
40' ↓	10'	5.0'	30'	17'+
	12'	4.5'	31'	18'+
	15'	4.0'	32'	19'-
	18'	3.5'	33'	20'-
	20'	3.0'	34'	20'
	25'	1.0'	38'	20'

LAST REVISION DATE:

OCTOBER 2010

TRAFFIC CIRCLE  
INTERSECTION  
DIAGRAM

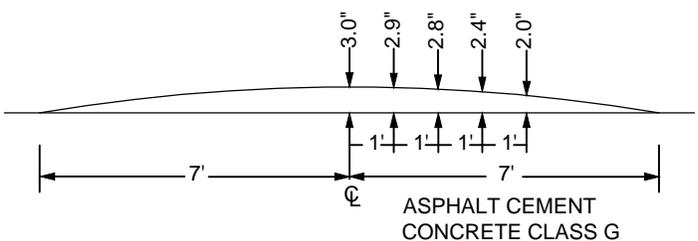
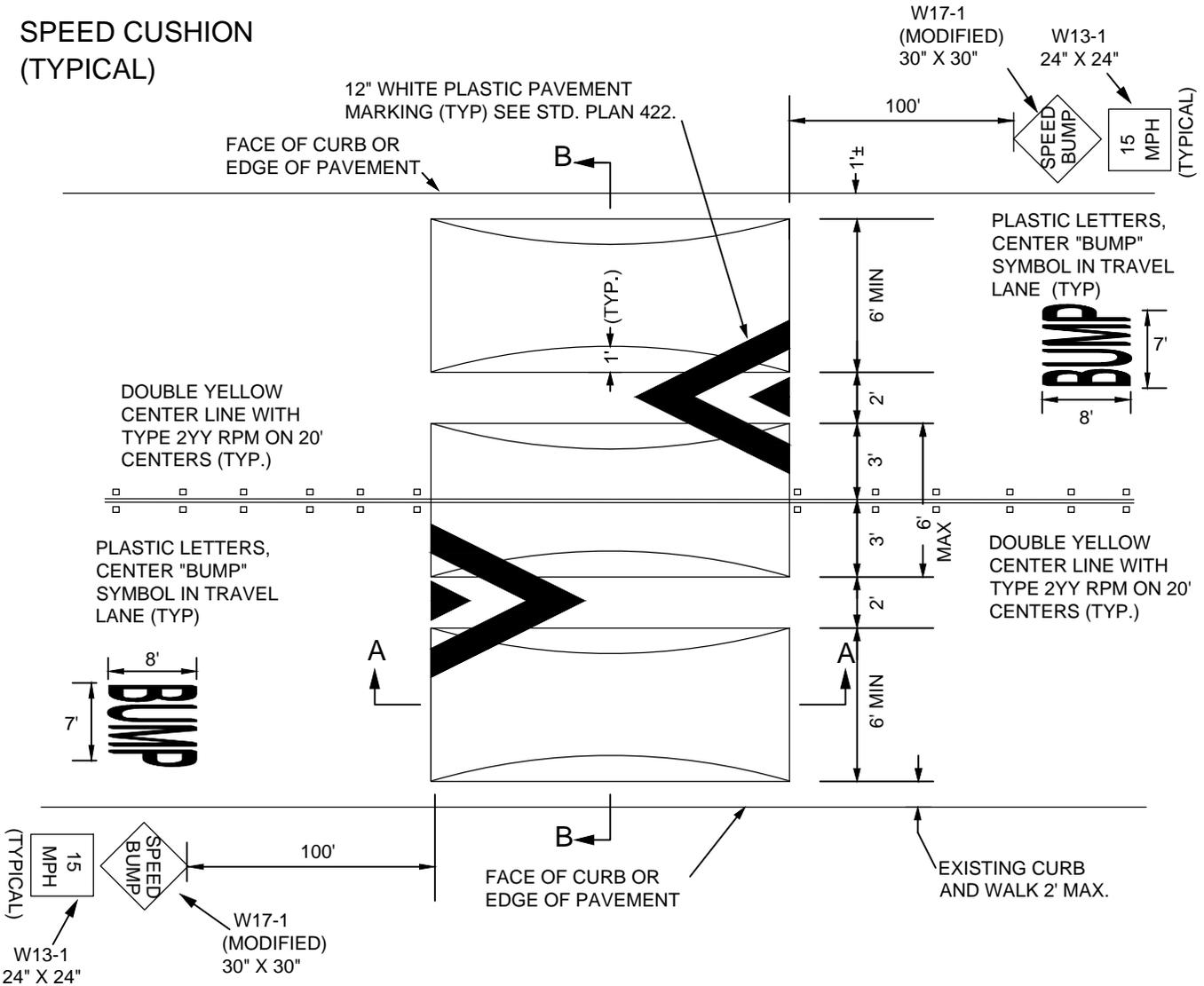
CITY:

DUNDEE, OREGON

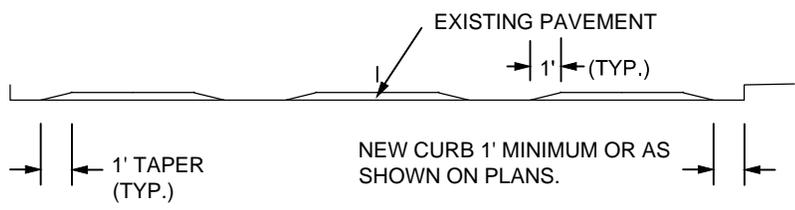
DRAWING NUMBER:

413

**SPEED CUSHION  
(TYPICAL)**



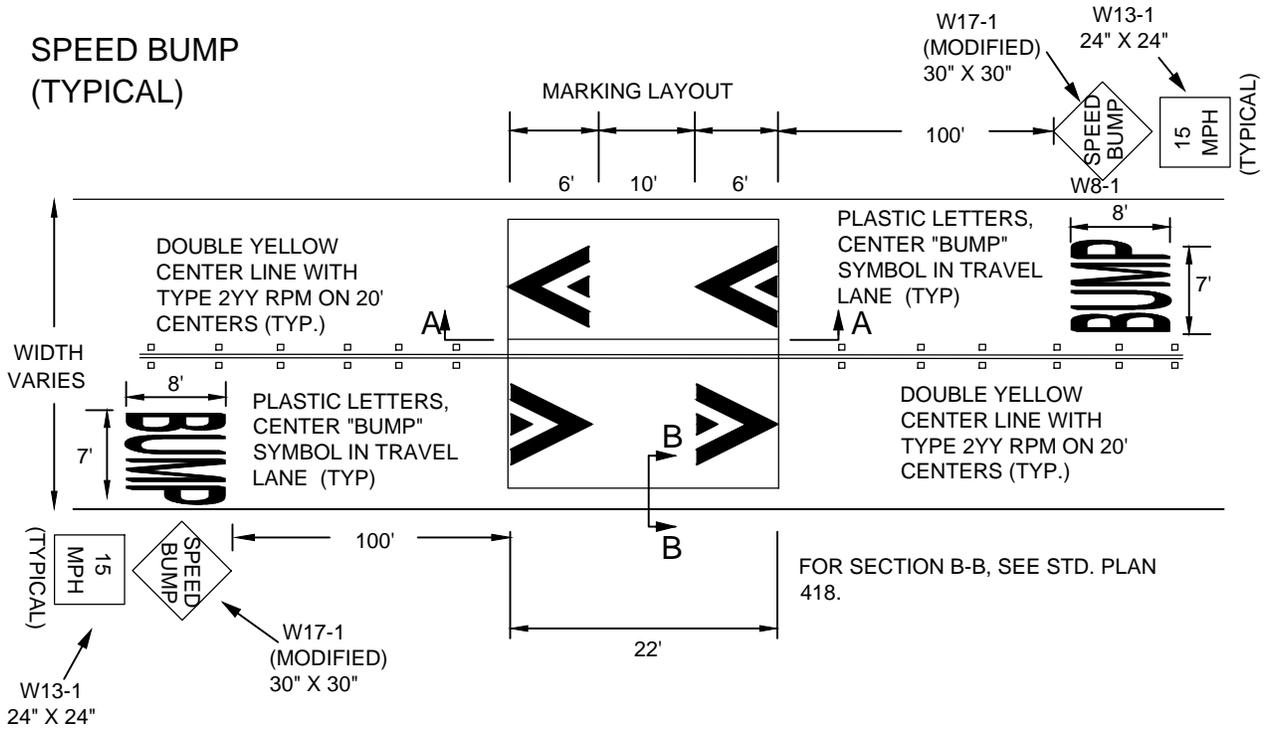
**SECTION A-A  
PARABOLIC CROWN  
N.T.S.**



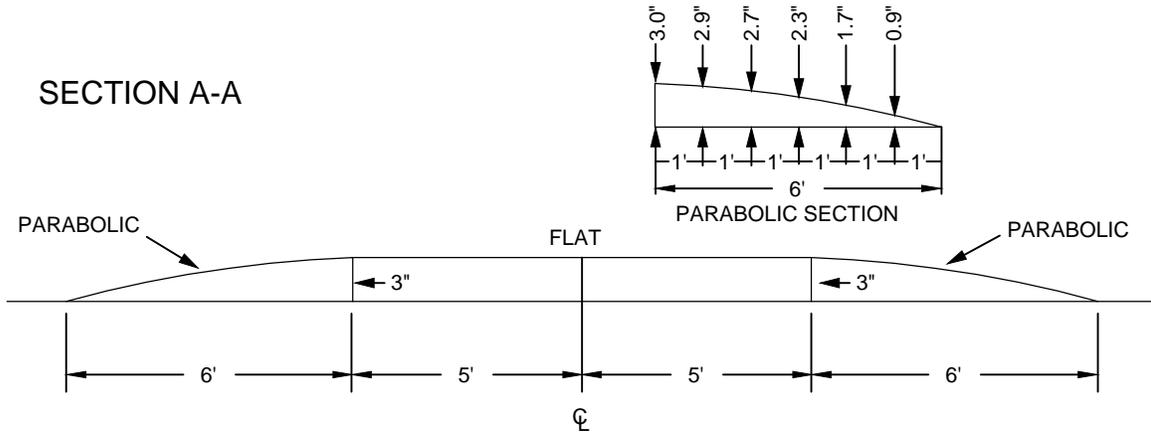
**SECTION B-B**

LAST REVISION DATE: OCTOBER 2010	
SPEED CUSHION	
CITY: DUNDEE, OREGON	DRAWING NUMBER: 414

# SPEED BUMP (TYPICAL)



## SECTION A-A



LAST REVISION DATE:

OCTOBER 2010

22' SPEED CUSHION

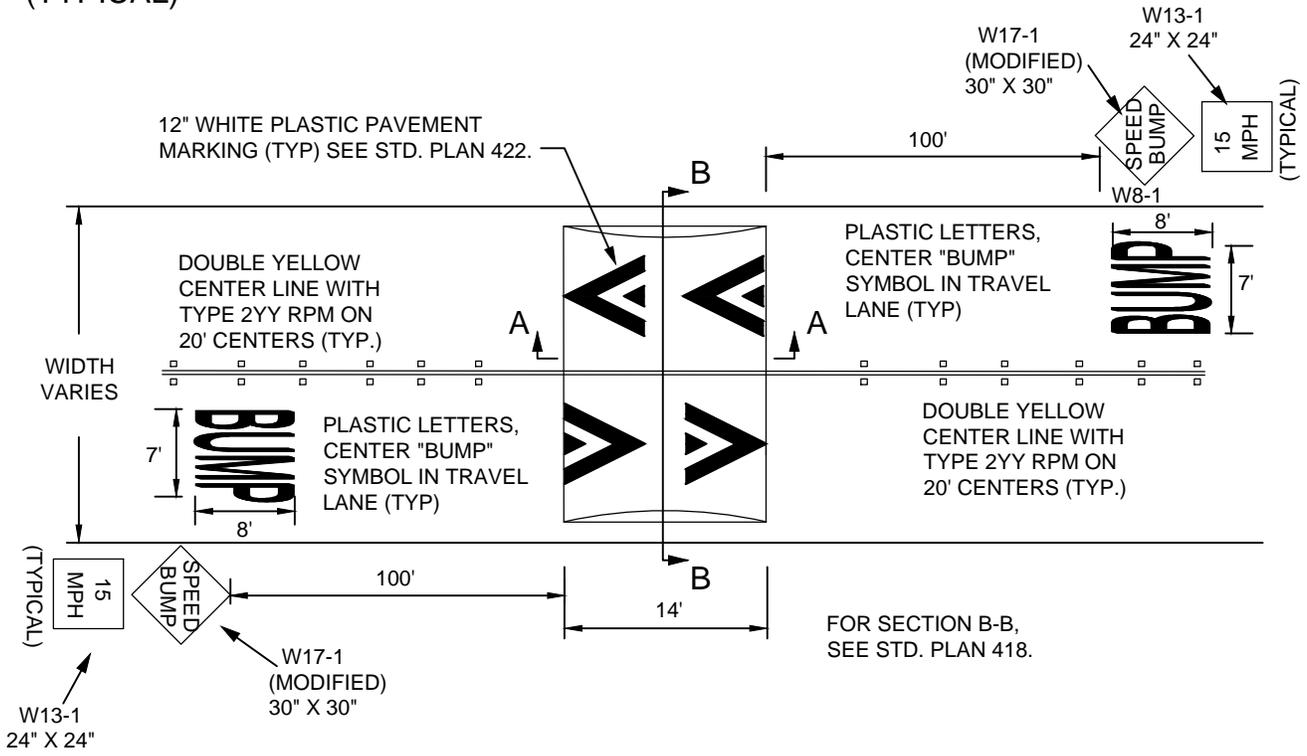
CITY:

DUNDEE, OREGON

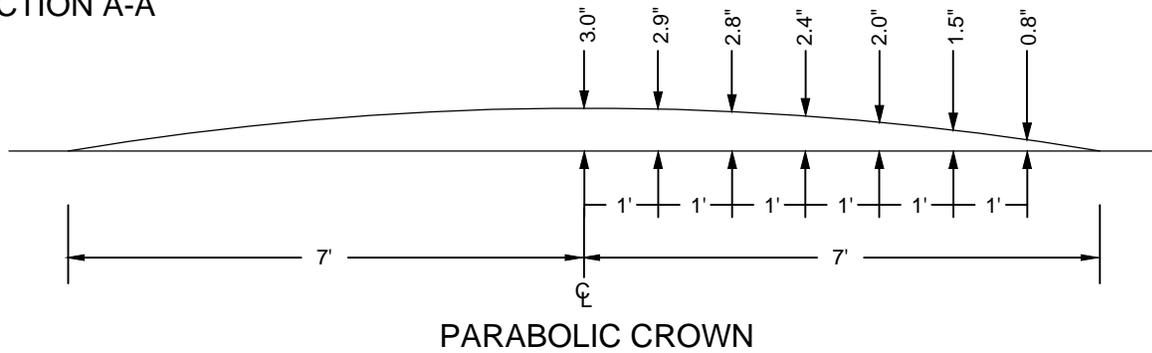
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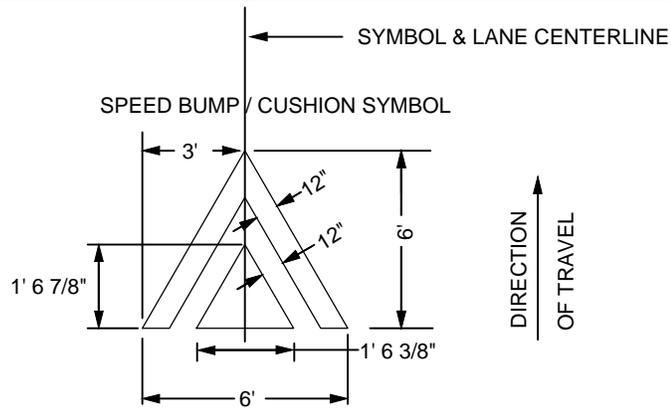
**SPEED BUMP  
(TYPICAL)**



**SECTION A-A**

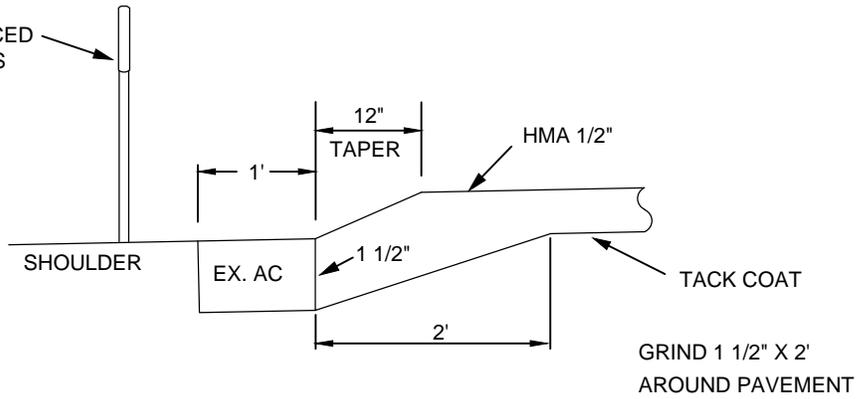


LAST REVISION DATE: OCTOBER 2010	
14' SPEED CUSHION	
CITY: DUNDEE, OREGON	DRAWING NUMBER: 416

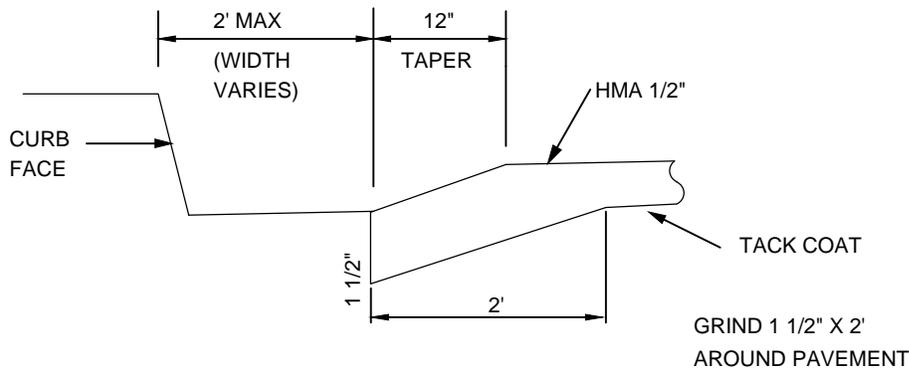


**SECTION B-B**

ROADSIDE DELINEATOR PLACED AT CENTER OF SHOULDER AS NEEDED TO DISCOURAGE VEHICLES FROM DRIVING AROUND SPEED BUMP. (OPTIONAL)



**EDGE DETAIL FOR STREETS WITHOUT CURBS**



**EDGE DETAIL FOR STREETS WITH CURB**

LAST REVISION DATE:

OCTOBER 2010

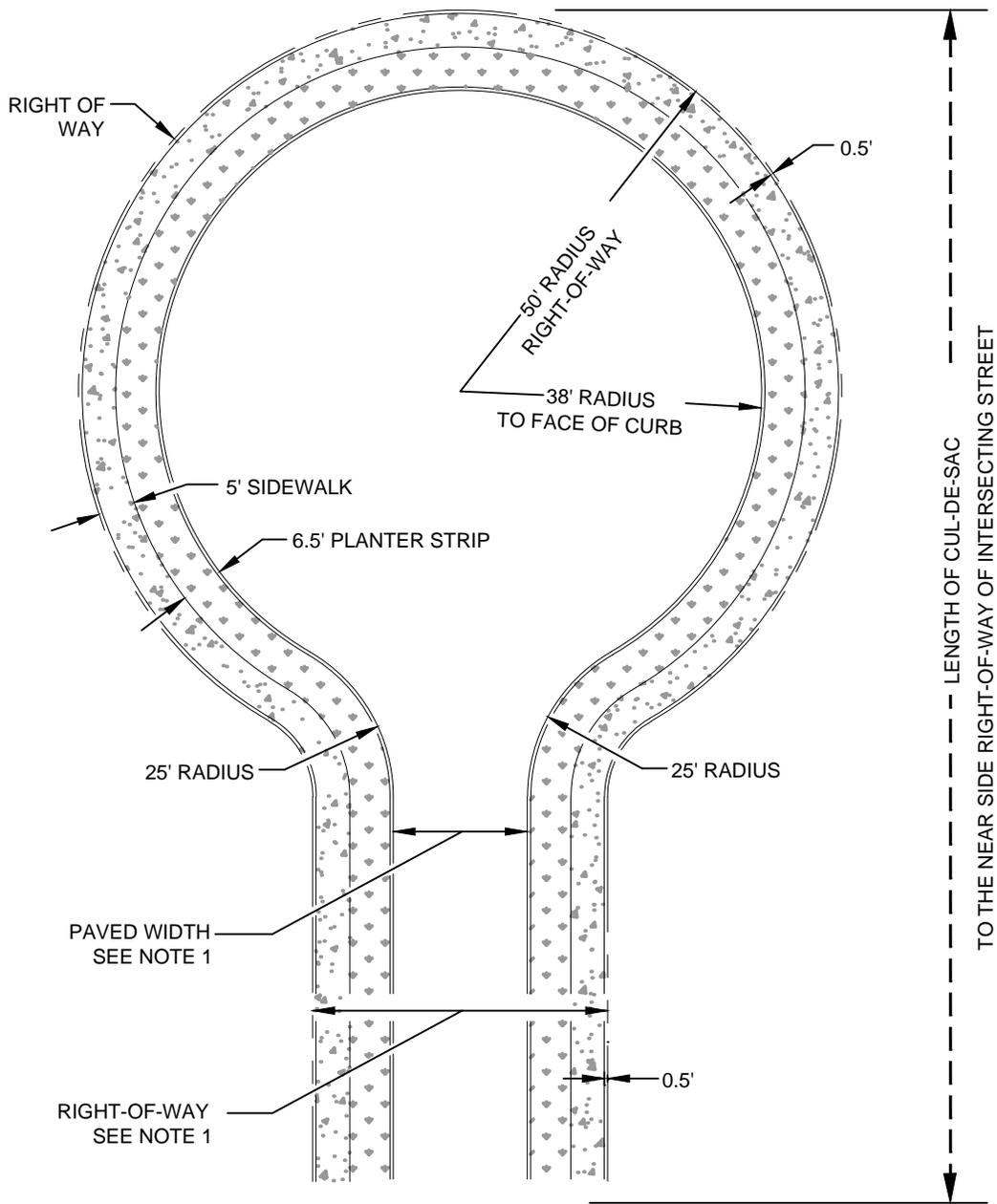
SPEED CUSHION  
DETAILS

CITY:

DUNDEE, OREGON

DRAWING NUMBER:

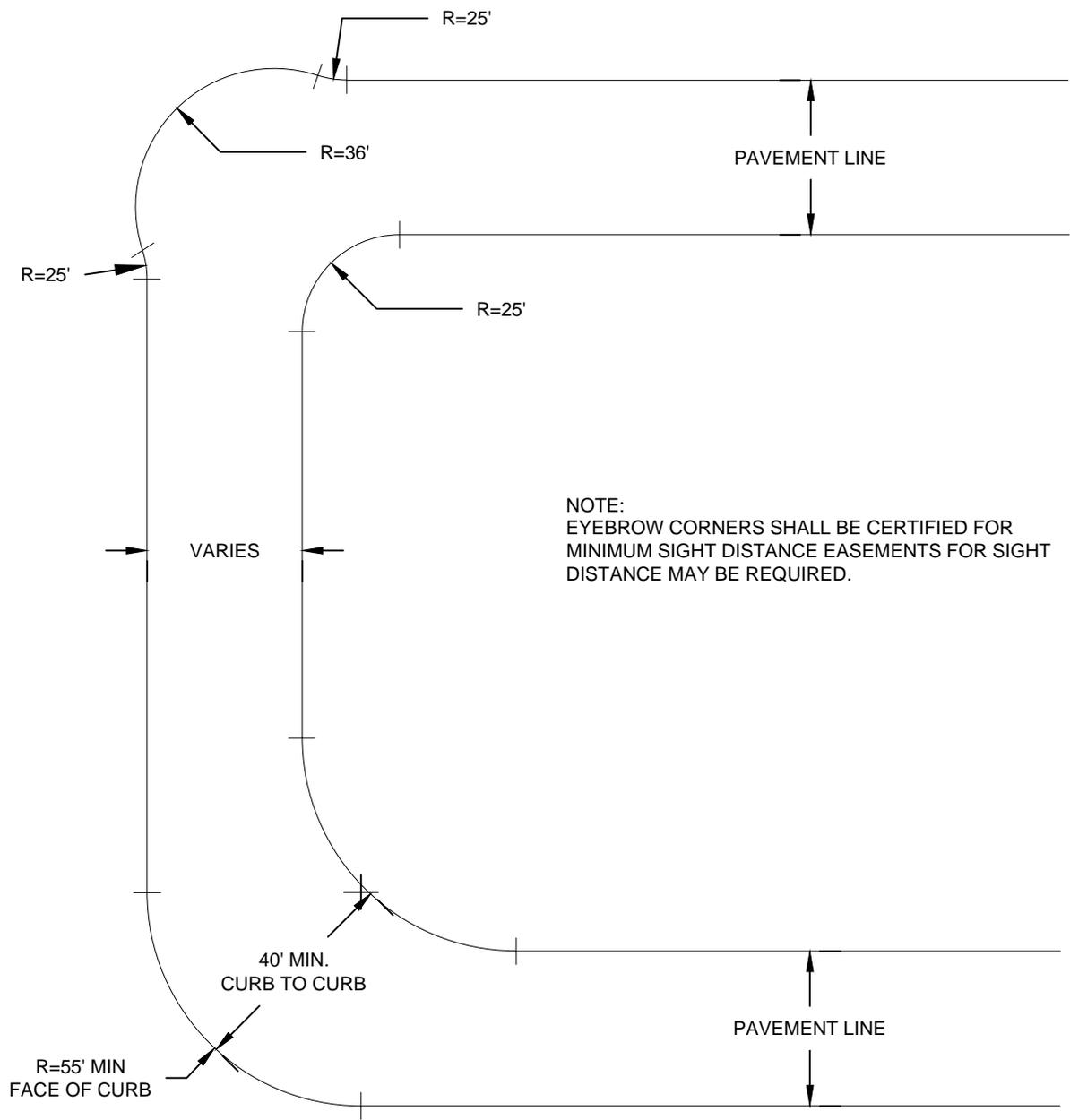
417



**NOTES:**

1. SEE STANDARD DWG 401 FOR LOCAL STREET RIGHT-OF-WAY AND PAVED WIDTH STANDARDS.
2. LENGTH OF CUL-DE-SAC SHALL NOT EXCEED 400 FEET.
3. ON A CUL-DE-SAC SERVING ONLY RESIDENTIAL USES AND HAVING NO MORE THAN FIVE ABUTTING RESIDENTIAL UNITS, THE DIMENSIONS OF THE CUL-DE-SAC BULB MAY BE REDUCED TO PROVIDE:
  - a. A MINIMUM 24 FOOT RADIUS TO FACE OF CURB,
  - b. A MINIMUM 30 FOOT RADIUS TO RIGHT OF WAY,
  - c. A MINIMUM 5 FOOT WIDE CURB TIGHT SIDEWALK (MEASURED FROM BACK OF CURB) WITH EASEMENTS FOR STREET TREES AND STREET LIGHTING OUTSIDE OF THE RIGHT OF WAY.

LAST REVISION DATE: OCTOBER 2010	
STANDARD CUL-DE-SAC (RESIDENTIAL)	
CITY: DUNDEE, OREGON	DRAWING NUMBER: 431



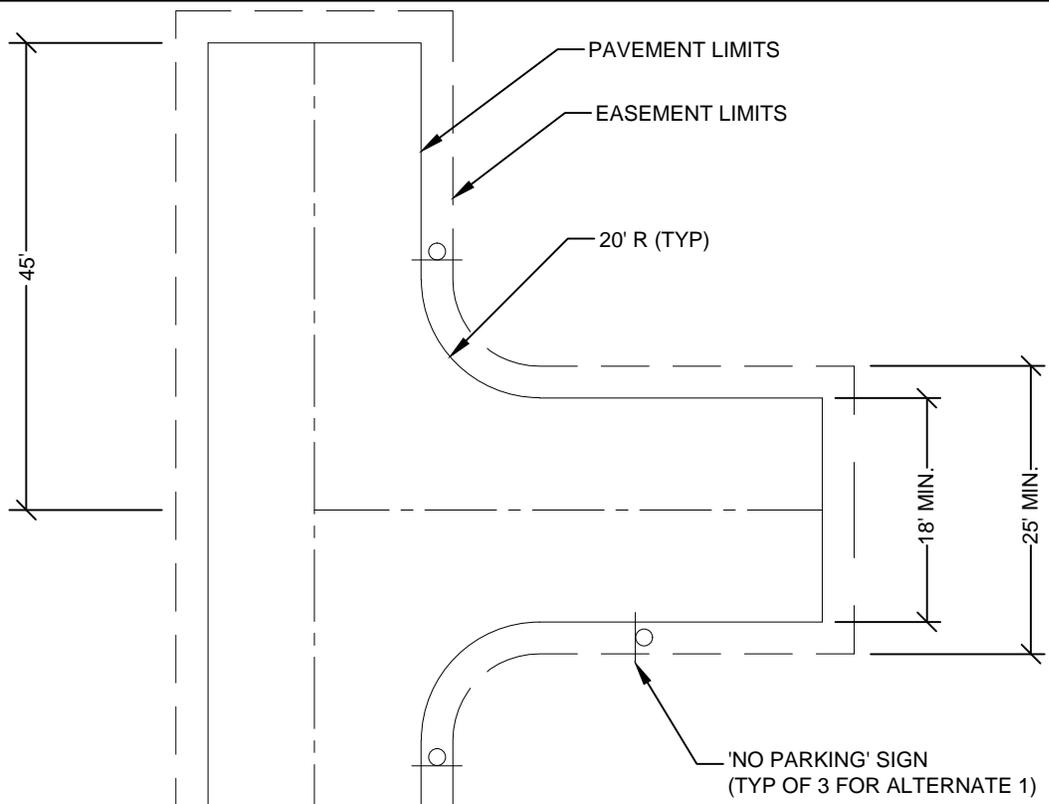
NOTE:  
 EYEBROW CORNERS SHALL BE CERTIFIED FOR  
 MINIMUM SIGHT DISTANCE EASEMENTS FOR SIGHT  
 DISTANCE MAY BE REQUIRED.

LAST REVISION DATE:  
 OCTOBER 2010

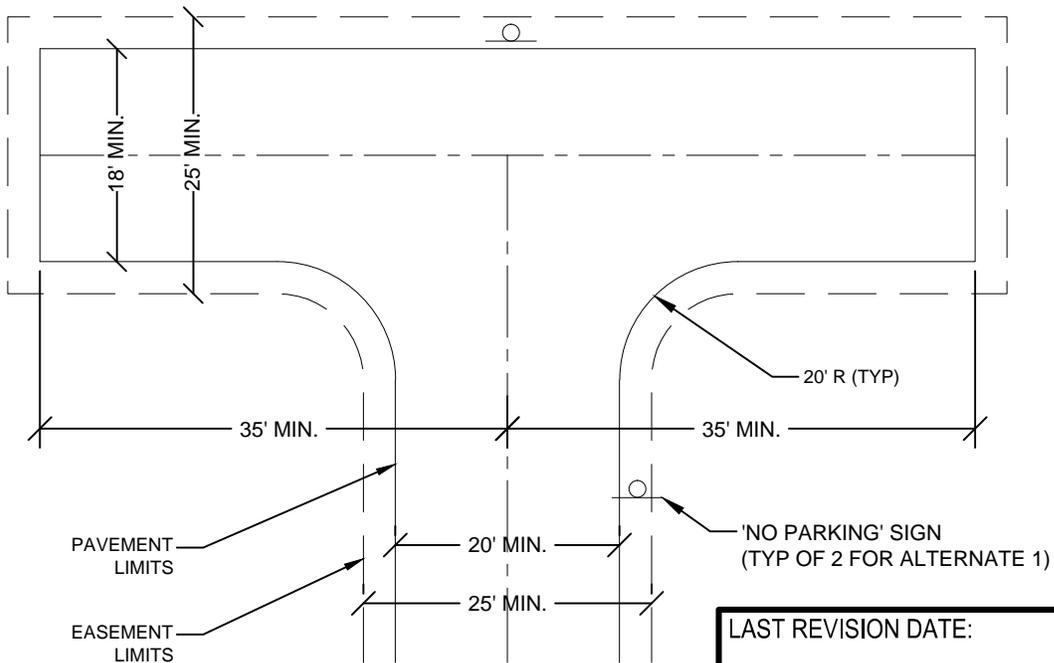
EYEBROW  
 CORNER

CITY:  
 DUNDEE, OREGON

DRAWING NUMBER:  
 432



**ALT 2**



**ALT 1**

**NOTES:**

1. 'NO PARKING, FIRE LANE' SIGNS REQUIRED WITHIN LIMITS OF ACCESS EASEMENT AND TURNAROUND.
2. THESE ARE TYPICAL MINIMUM DESIGNS. ALTERNATE DESIGNS SHALL MEET THE APPROVAL OF THE LOCAL FIRE MARSHALL.
3. PAVEMENT DIMENSIONS SHOWN REFER TO TOTAL DRIVABLE WIDTH BETWEEN CURBS IF PRESENT.

LAST REVISION DATE:

OCTOBER 2010

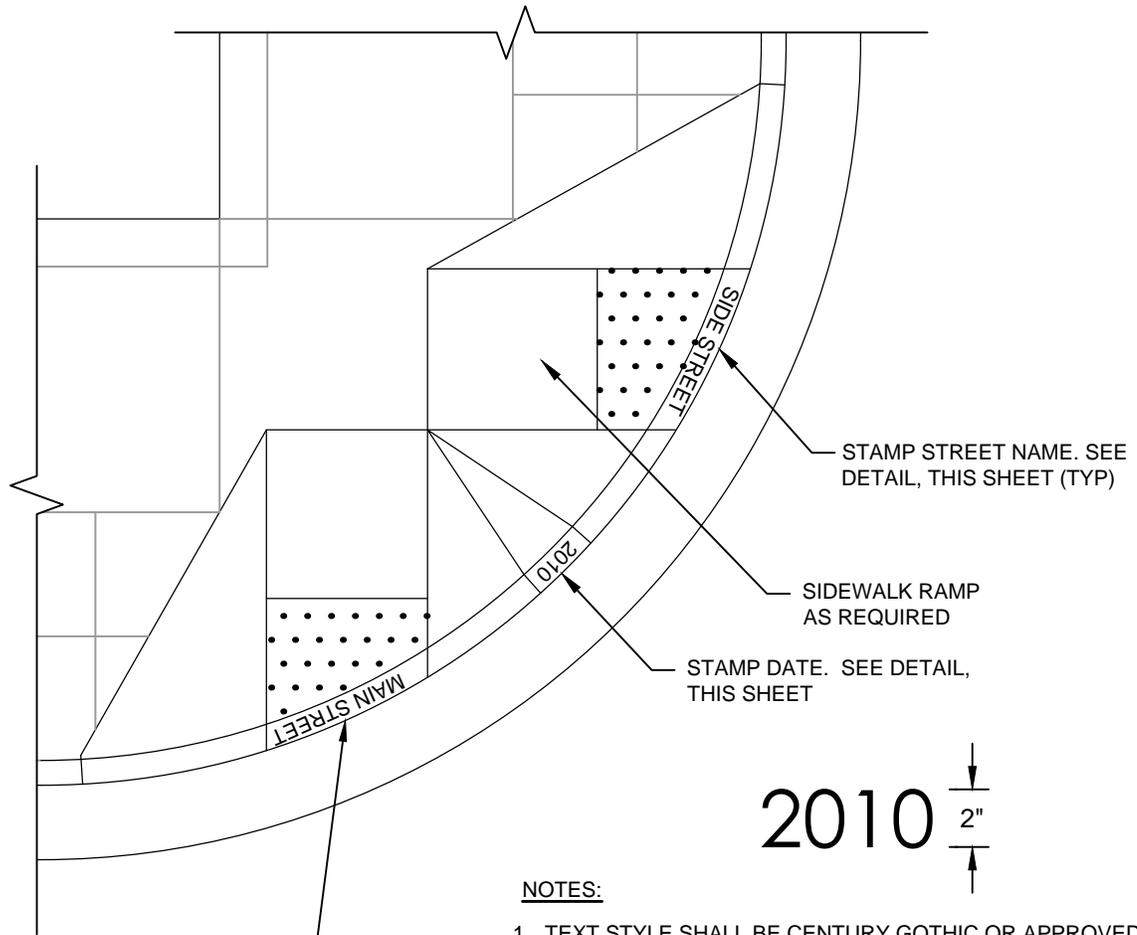
HAMMERHEAD  
TURNAROUND  
PRIVATE DRIVES  
ONLY)

CITY:

DUNDEE, OREGON

DRAWING NUMBER:

433



STAMP STREET NAME. SEE  
DETAIL, THIS SHEET (TYP)

**MAIN STREET** 2"

NOTES:

1. TEXT STYLE SHALL BE CENTURY GOTHIC OR APPROVED EQUAL.
2. CONTRACTOR SHALL SUBMIT STAMP SAMPLE FOR CITY APPROVAL PRIOR TO STAMPING.
3. FAILURE TO STAMP STREET NAMES WILL REQUIRE CURB REPLACEMENT AT THE CONTRACTOR'S EXPENSE.
4. STAMP SHALL BE PLACED WITHIN 30 MINUTES OF CONCRETE POUR AND SHALL BE CLEARLY VISIBLE AFTER CURING.

STREET NAME STAMP DETAIL

NTS

NOTES:

1. TEXT STYLE SHALL BE CENTURY GOTHIC OR APPROVED EQUAL.
2. CONTRACTOR SHALL SUBMIT STAMP SAMPLE FOR CITY APPROVAL PRIOR TO STAMPING.
3. FAILURE TO STAMP STREET NAMES WILL REQUIRE CURB REPLACEMENT AT THE CONTRACTORS EXPENSE.
4. STAMP SHALL BE PLACED AT LOCATIONS INDICATED ON PEDESTRIAN RAMP DETAILS.
5. STAMP SHALL BE PLACED WITHIN 30 MINUTES OF CONCRETE POUR AND SHALL BE CLEARLY VISIBLE AFTER CURING.
6. STAMP SHALL CORRESPOND WITH THE YEAR OF PROJECT CONSTRUCTION.

**2010** 2"

DATE STAMP DETAIL

NTS

LAST REVISION DATE:

OCTOBER 2010

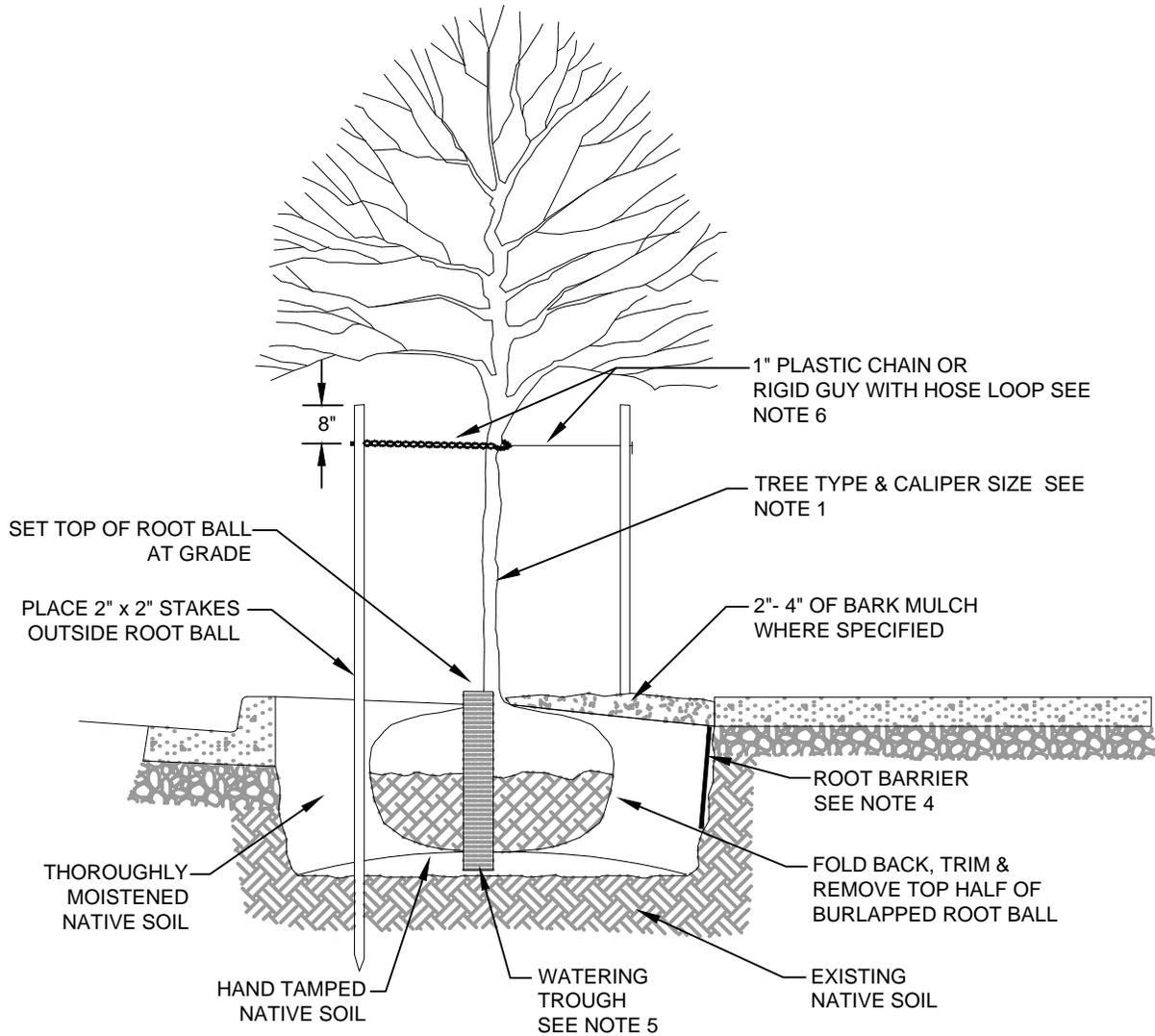
INTERSECTION  
CURB STAMPING

CITY:

DUNDEE, OREGON

DRAWING NUMBER:

434



## CROSS-SECTION

**NOTES:**

1. TREE SPECIES AND CALIPER SIZE ARE TO BE APPROVED BY THE CITY ARBORIST.
2. ADJUST PLANTING LOCATIONS SO THAT TREE CROWN OR ROOT BALL DOES NOT CONFLICT WITH ABOVE OR BELOW - GROUND UTILITIES.
3. DO NOT UNDERMINE CURB OR SIDEWALK WHEN EXCAVATING.
4. AN 18 INCHES DEEP, ROOT BARRIER SHALL BE ADDED WHERE REQUIRED BY THE CITY ARBORIST.
5. OPPOSITE TREE STAKES, PROVIDE TWO, 3 INCH DIAMETER ADS PERFORATED PIPE WATERING TROUGHS, FILLED WITH PEA GRAVEL.
6. PROVIDE A LOOP IN CHAIN LOCK OR GUY HOSE LARGE ENOUGH TO ALLOW FOR TRUNK GROWTH.
7. TREE STAKES ARE TO BE REMOVED FOLLOWING THE REQUIRED ESTABLISHMENT PERIOD.

LAST REVISION DATE:

OCTOBER 2010

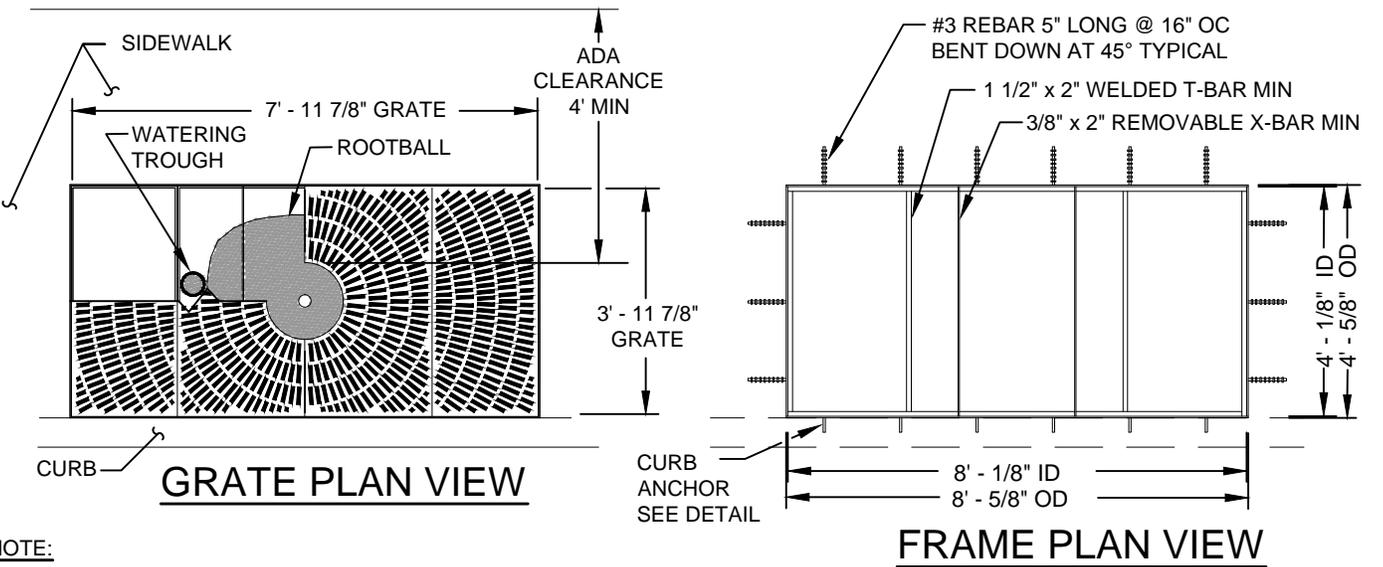
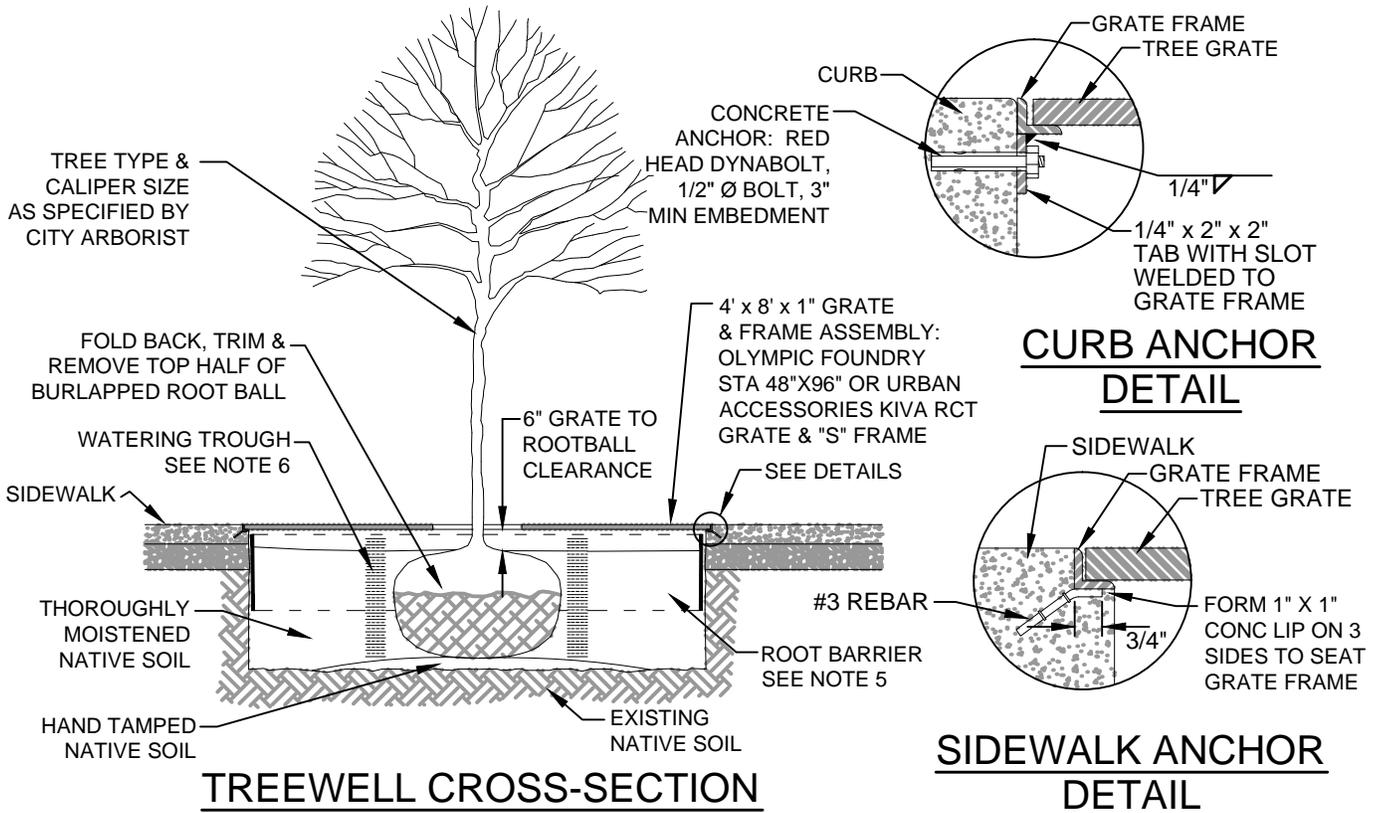
STANDARD  
SIDEWALK  
TREWELL

CITY:

DUNDEE, OREGON

DRAWING NUMBER:

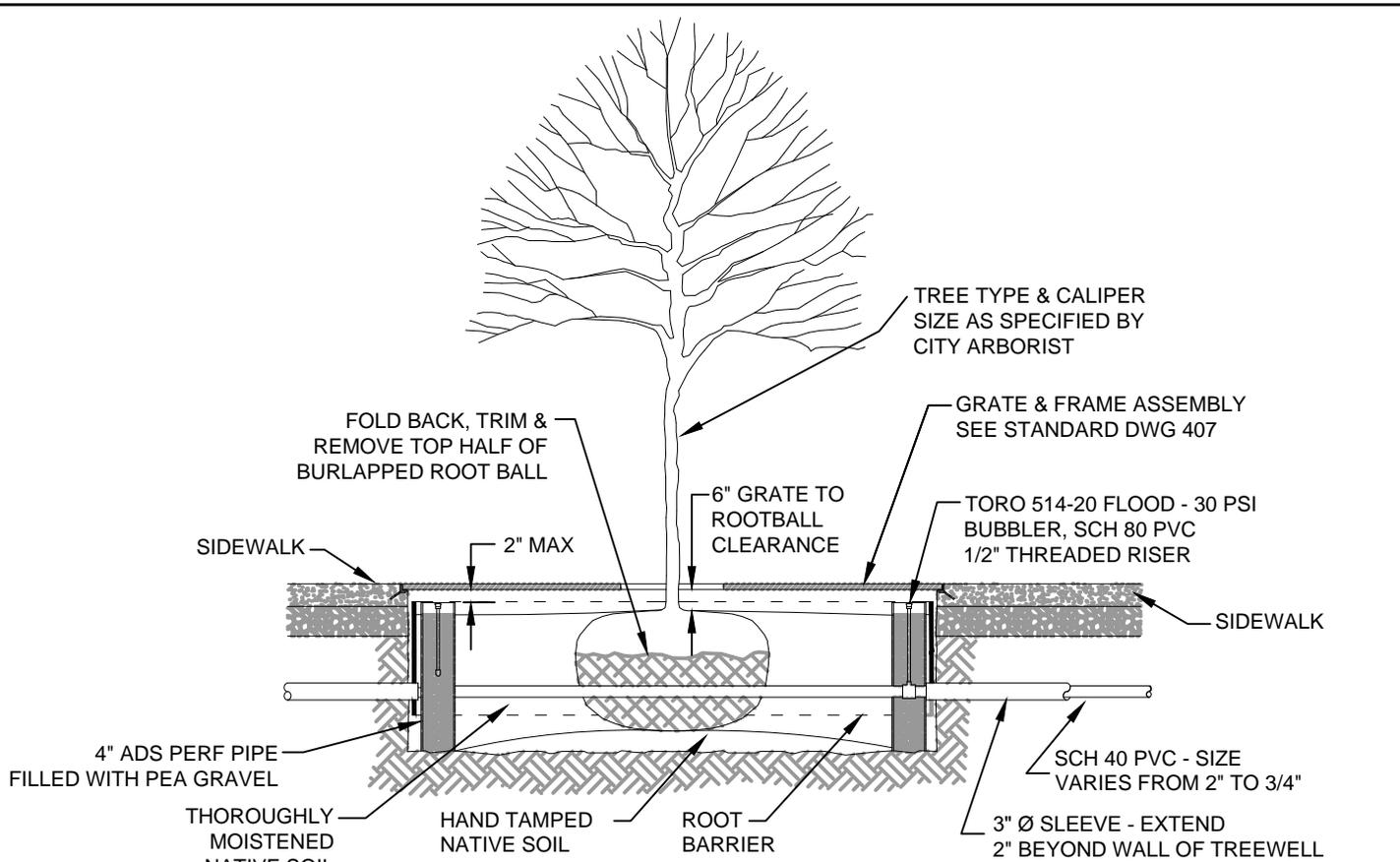
441



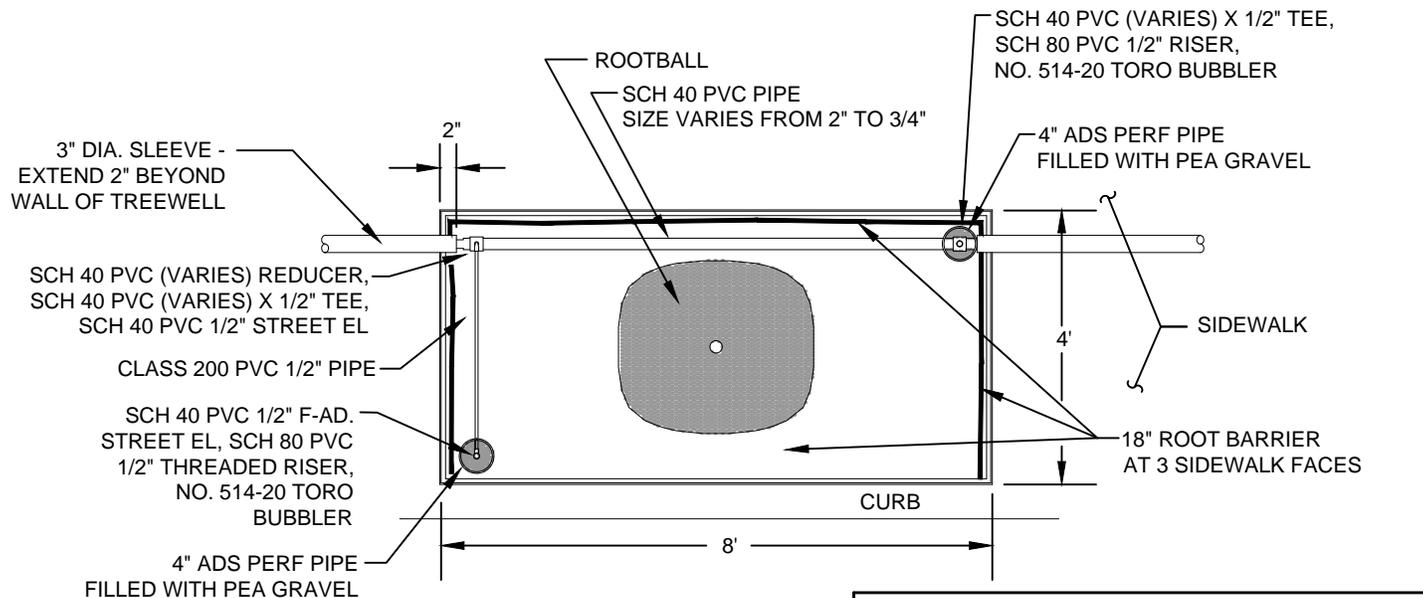
**NOTE:**

1. GRATES ARE TO BE MADE OF CAST IRON WITH A NATURAL FINISH.
2. CASTINGS WILL BE 3/4 INCH THICK IN 4 PIECES.
3. THE CENTER OPENING SHALL BE 16 INCH DIAMETER WITH A BREAKOUT AT 23-1/2" INCHES.
4. SLOTTED PENETRATIONS SHALL BE NO GREATER THAN 3/8 INCH WIDE.
5. AN 18 INCH DEEP ROOT BARRIER SHALL BE PLACED AT BOTH SIDES AND ALONG SIDEWALK FACE.
6. PROVIDE TWO, 3 INCH DIAMETER ADS PERFORATED PIPE WATERING TROUGHS FILLED WITH PEA GRAVEL.
7. DO NOT UNDERMINE CURB OR SIDEWALK WHEN EXCAVATING.
8. ADA CLEARANCE SHALL BE 4 FEET AS SHOWN, UNLESS OTHERWISE PERMITTED BY THE CITY ENGINEER.

LAST REVISION DATE: OCTOBER 2010	
CURB TIGHT SIDEWALK TREEWELL WITH GRATE	
CITY: DUNDEE, OREGON	DRAWING NUMBER: 442



**TREEWELL CROSS-SECTION**



**TREEWELL PLAN VIEW**

LAST REVISION DATE: OCTOBER 2010	
TREEWELL IRRIGATION	
CITY: DUNDEE, OREGON	DRAWING NUMBER: 443

THE FOLLOWING LATEST VERSION OF THE OREGON STANDARD DRAWINGS PUBLISHED BY APWA/ODOT SHALL BE USED AS A CITY OF DUNDEE STANDARD WITH DUNDEE SPECIFIC REQUIREMENTS IN PARENTHESES:

OSSC STANDARD DRAWING NO.	OSSC STANDARD DRAWING NAME	DUNDEE EXCEPTION TO DRAWING
TM200	SIGN INSTALLATION DETAILS	NOTE 2) ADD: 1' MINIMUM F BEHIND CURB AND RESTRICTED R/W IF ADJACENT TO PARKING OR BIKE LANE
TM490	CROSSWALK CLOSURE DETAILS	NO EXCEPTION TAKEN
TM501	PAVEMENT MARKING STANDARD DETAIL BLOCKS	NO EXCEPTION TAKEN
TM503	PAVEMENT MARKING STANDARD DETAIL BLOCKS	CW ONLY PERMITTED AT SIGNALIZED INTERSECTIONS, CW-SC NOT PERMITTED, USE CW-SC2 ON DET4580
TM505	RAIL CROSSING PAVEMENT MARKINGS	NO EXCEPTION TAKEN
TM530	INTERSECTION PAVEMENT MARKINGS (CROSSWALK, STOP BAR. & BIKE LANE STENCIL)	REPLACE CW-SC WITH CW-SC2 IN STAGGERED CONTINENTAL LAYOUT, STANDARD CROSSWALK BARS AT INTERSECTION FOR SIGNALIZED INTERSECTIONS ONLY.
TM681	SIGNAL POLE MOUNTS	NO EXCEPTION TAKEN
TM687	PERFERATED STEEL SQUARE TUBE (PSST) ANCHOR FOUNDATION	NO EXCEPTION TAKEN
TM800	TABLES, ABRUPT EDGE AND PCMS DETAILS	NO EXCEPTION TAKEN
TM820	TEMPORARY BARRICADES	NO EXCEPTION TAKEN
TM840	CLOSURE DETAILS	NO EXCEPTION TAKEN
TM841	INTERSECTION WORK ZONES	NO EXCEPTION TAKEN
TM842	SIGNALIZED INTERSECTION DETAILS	NO EXCEPTION TAKEN
TM850	2-LANE, 2-WAY ROADWAYS	NO EXCEPTION TAKEN
DET4560	PAVEMENT MARKING DETAIL BLOCKS	NO EXCEPTION TAKEN

STANDARD DRAWING PUBLISHED BY APWA/ODOT NOT LISTED SHALL NOT BE USED WITHOUT PRIOR APPROVAL BY THE PUBLIC WORKS DEPARTMENT

LAST REVISION DATE:

AUGUST 2015

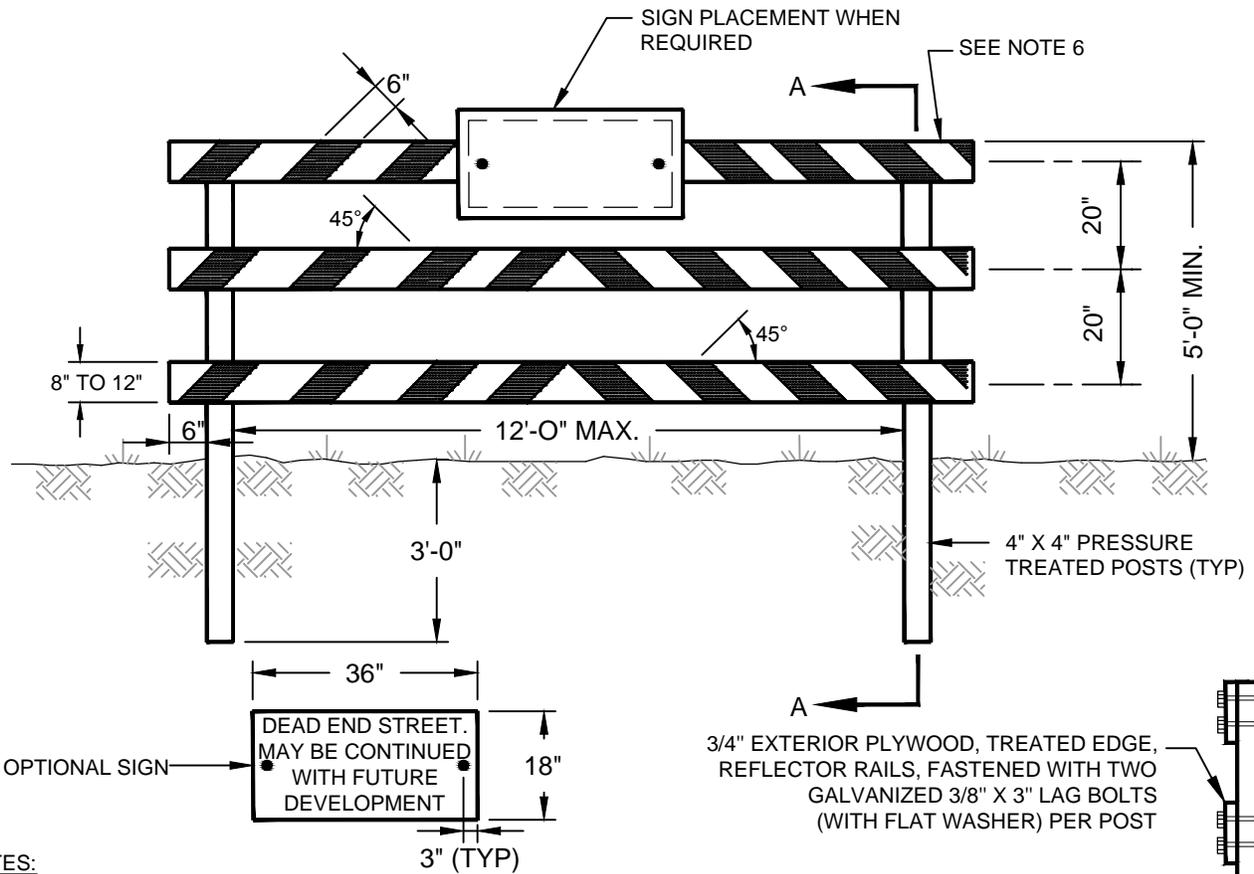
OSSC ACCEPTABLE  
TRAFFIC STANDARD  
DRAWINGS

CITY:

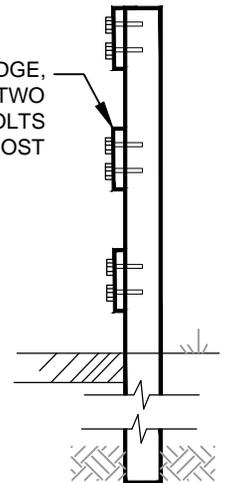
DUNDEE, OREGON

DRAWING NUMBER:

450



3/4" EXTERIOR PLYWOOD, TREATED EDGE, REFLECTOR RAILS, FASTENED WITH TWO GALVANIZED 3/8" X 3" LAG BOLTS (WITH FLAT WASHER) PER POST



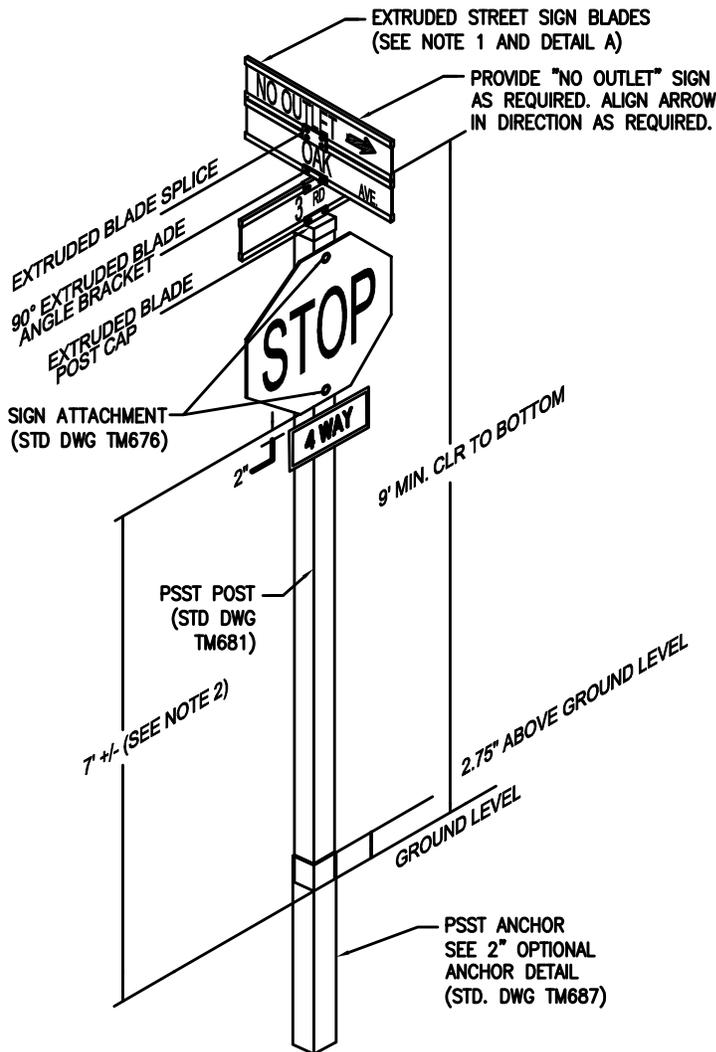
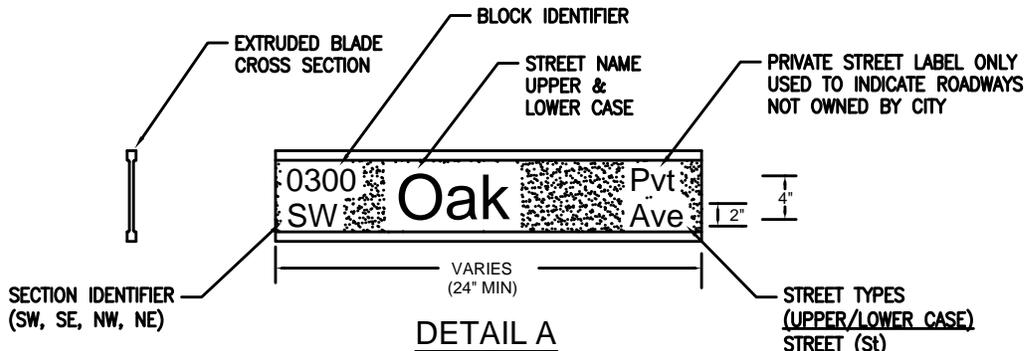
**SECTION A-A**

**NOTES:**

1. BARRICADES SHALL BE INSTALLED IN CONFORMANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AS MODIFIED BY THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION (WSDOT).
2. MARKINGS FOR BARRICADE RAILS SHALL BE ALTERNATE WHITE AND RED STRIPES (SLOPING DOWNWARD AT AN ANGLE OF 45 DEGREES), UTILIZE HIGH INTENSITY PRISMATIC REFLECTIVE SHEETING.
3. THE ENTIRE AREA OF WHITE AND RED STRIPES SHALL BE REFLECTIONIZED SO AS TO BE VISIBLE UNDER NORMAL ATMOSPHERIC CONDITIONS FROM A MINIMUM DISTANCE OF 1,000 FEET WHEN ILLUMINATED BY THE LOW BEAMS OF STANDARD AUTOMOBILE HEADLIGHTS. THE PREDOMINANT COLOR FOR OTHER BARRICADE COMPONENTS SHALL BE WHITE.
4. BARRICADE SECTION SHALL EXTEND ACROSS THE ENTIRE STREET AREA. WHERE BARRICADE EXTENDS ENTIRELY ACROSS A ROADWAY, THE STRIPES SHALL SLOPE DOWNWARD IN THE DIRECTION TOWARD WHICH TRAFFIC MUST TURN IN DETOURING. WHERE BOTH RIGHT AND LEFT TURNS ARE ALLOWED, THE CHEVRON STRIPING SHALL SLOPE DOWNWARD IN BOTH DIRECTIONS FROM THE CENTER OF THE BARRICADE. RAILS SHALL BE PLACED BOTH FRONT AND BACK OF BARRICADE IF REQUIRED FOR TWO-WAY TRAFFIC. RAILS SHALL BE THE SAME SIZE. FOR WIDER APPLICATIONS, MULTIPLE SECTIONS, SPACED NO FURTHER THAN 4" SHALL BE USED.
5. RAILS SHALL BE PLACED BOTH ON THE FRONT AND BACK OF THE BARRICADE IF REQUIRED FOR TWO-WAY TRAFFIC. RAILS SHALL BE THE SAME SIZE.
6. LUMBER SHALL BE STANDARD GRADE OR BETTER.
7. IF SIGN IS REQUIRED, FIELD DRILL TWO HOLES TO ACCOMMODATE GALVANIZED 3/8" MACHINE BOLT, WASHER AND NUT. THE SIGN SHALL BE INSTALLED SO THAT THE CENTER RAIL IS NOT COVERED.

FOR TEMPORARY BARRIER SEE WSDOT STANDARD PLAN H-2.

LAST REVISION DATE: OCTOBER 2010	
STREET BARRICADE	
CITY: DUNDEE, OREGON	DRAWING NUMBER: 451



**SIGN NOTES:**

1. DOUBLE FACED ALUMINUM EXTRUDED BLADE STREET NAME SIGNS SHALL BE TYPE "G1" OR "G2" ON BOTH SIDES. SIZES SHALL BE STANDARD HEIGHTS OF 6", 30", 36", AND 42" UNLESS OTHERWISE SPECIFIED.
2. MINIMUM MOUNTING HEIGHT 6'-8" FOR PRIMARY SIGN AND 4'-0" FOR SECONDARY SIGN (SEE DRAWING RESTRICTIONS).
3. LETTERING ALL LETTERS AND NUMBERS USED TO FABRICATE A STREET NAME SIGN SHALL BE HIGH INTENSITY SILVER USING 3M SCOTCHLITE BRAND. THERE ARE TWO SIZES OF LETTERS THAT MAKE UP A STREET NAME SIGN. FOR PREFIXES, SUFFIXES, AND BLOCK NUMBERS A SERIES 'C' IS USED. THE ACTUAL NAME OF THE STREET IS A SERIES 'B'. ALL STREET NAME SIGNS SHALL HAVE BLOCK NUMBERS, AS ASSIGNED BY THE CITY, WHEN INSTALLED BY CONTRACTOR.
4. MISCELLANEOUS STREET NAMES SHALL BE APPROVED BY THE PLANNING COMMISSION PRIOR TO THE SIGNS BEING FABRICATED AND INSTALLED.
5. HOT DIP GALVANIZE AFTER FABRICATION STANDARD. CONFORM TO THE ASTM SPECIFICATIONS A123 FOR GALVANIZING.
6. ALL POSTS SHALL BE CAPPED AS APPROVED BY THE ENGINEER WHEN STREET NAME SIGNS ARE NOT REQUIRED.

LAST REVISION DATE:

AUGUST 2015

STANDARD STREET SIGN

CITY:  
DUNDEE, OREGON

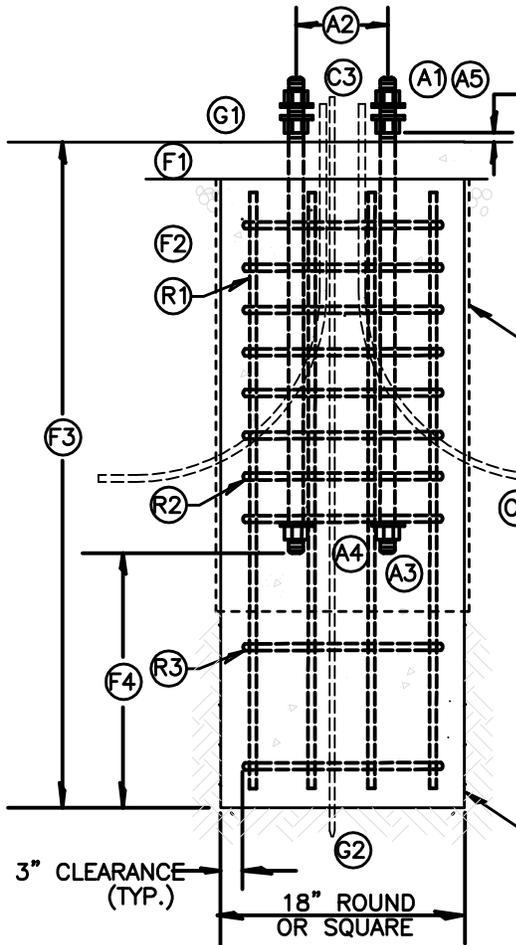
DRAWING NUMBER:  
452

**GROUND ROD**

- G1.- MINIMUM 3" EXPOSURE AT TOP OF FOUNDATION, WITHIN BOLT CIRCLE.
- G2.- GROUND ROD SHALL BE MINIMUM 5/8" DIA. X 8 FT LONG, COPPER CLAD.

**ANCHOR BOLTS**

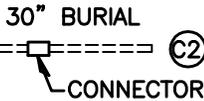
- A1.- (4) 1" Ø ASTM A449 ANCHOR BOLTS PER SPECIFICATIONS
- A2.- BOLT CIRCLE DIAMETER TO MATCH POLE BASEPLATE
- A3.- ANCHOR BOLTS SHALL HAVE HEADS, OR NUTS WITH THE THREADS STAKED AT TWO PLACES BELOW THE NUT, EMBEDDED IN FOUNDATION.
- A4.- ANCHOR BOLTS SHALL BE 39" LONG WITH 32" EMBEDMENT IN CONCRETE.
- A5.- 3/4" BOLT PROJECTION AS RECOMMENDED BY THE MANUFACTURER.



**CONDUIT**

- C1.- CONDUIT SHALL BE RGS IN CONCRETE WITH 6" MINIMUM STUB-OUT.
- C2.- SERVICE AND FEED CONDUITS SHALL BE RGS OR PVC, AS REQUIRED.
- C3.- STUB UP TO WITHIN 4" FROM HAND HOLE.

POUR FOOTING USING SONOTUBE (48" MIN. DEPTH)



**REINFORCEMENT**

- R1.- VERTICAL REBAR SHALL BE 7-#6 EQUALLY SPACED INSIDE OF HOOPS.
- R2.- HOOPS SHALL BE #4 X 12" O.D., SPACED 4" O/C FROM TOP OF FOUNDATION TO END OF ANCHOR BOLTS.
- R3.- HOOPS SHALL BE #4 X 12" O.D., SPACED 12" MIN. FROM THE ANCHOR BOLTS TO BOTTOM OF FOUNDATION.

POUR FOOTING AGAINST UNDISTURBED MATERIAL

**NOTE**

90 DEGREE BENDS IN ANCHOR BOLTS WILL NOT BE PERMITTED.

**FOUNDATION**

- F1.- THE TOP 3 1/2" OF FOUNDATIONS SHALL BE INTEGRATED INTO SIDEWALK.
- F2.- THE FOUNDATION SHALL CURE A MINIMUM OF FOURTEEN (14) DAYS PRIOR TO POLE INSTALLATION OR TORQUING OF THE ANCHOR BOLTS.
- F3.- FOUNDATION DEPTH (PD) :  
 21 FOOT POLES 60" DEEP  
 30 FOOT POLES 84" DEEP (AVER. SOIL) 102" DEEP (POOR SOIL)
- F4.- THERE SHALL BE A MINIMUM OF 17" FOUNDATION BELOW THE ANCHOR BOLT HEADS.

**18" CAST-IN-PLACE  
STREET LIGHT POLE  
FOUNDATION**

LAST REVISION DATE:

AUGUST 2015

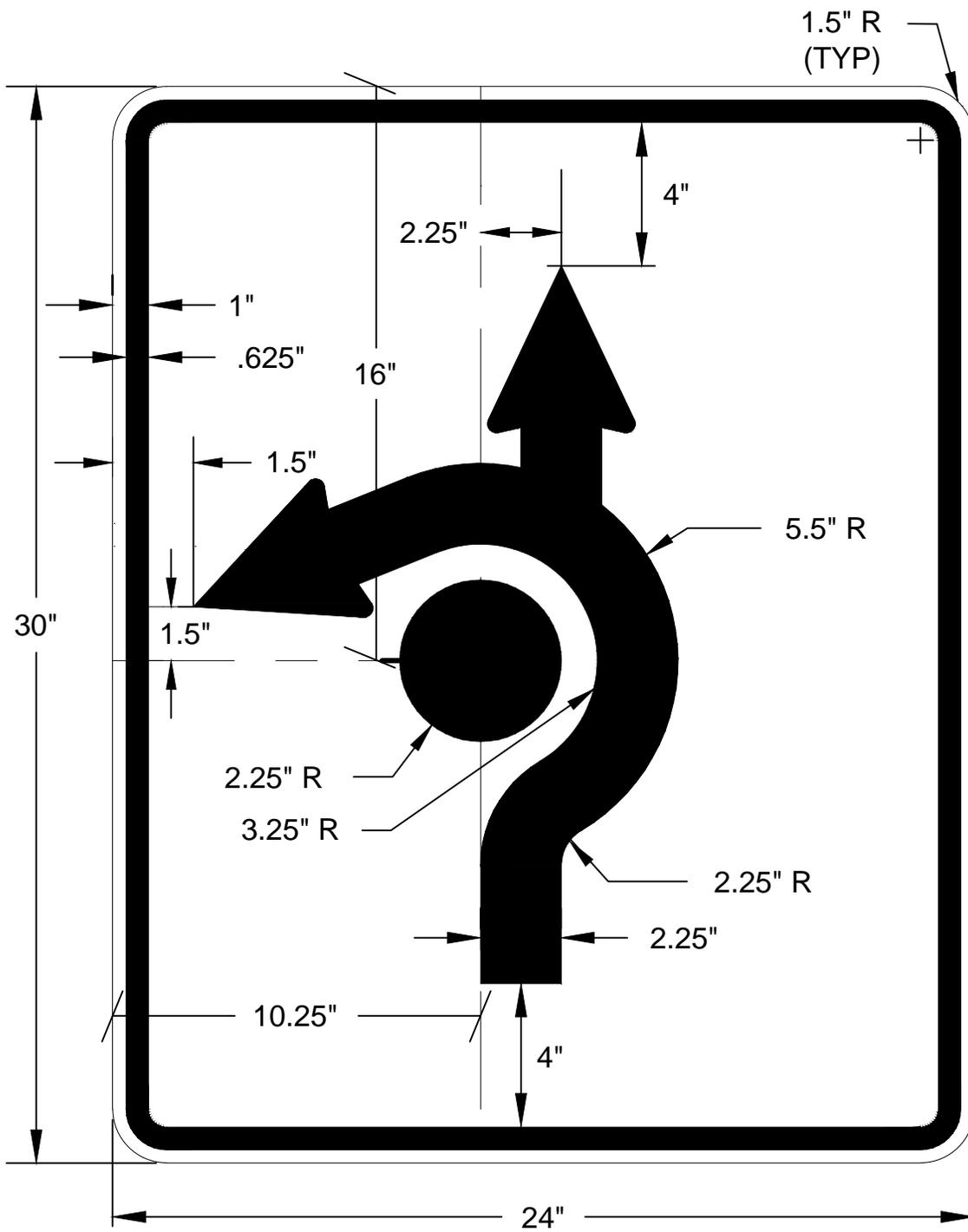
DOWNTOWN LIGHT  
POLE BASE  
(HIGHWAY 99W)

CITY:

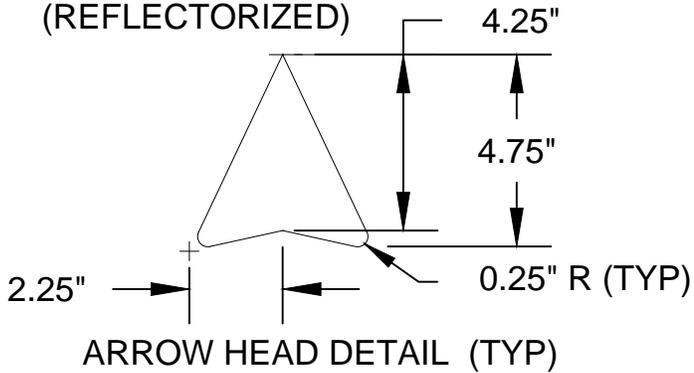
DUNDEE, OREGON

DRAWING NUMBER:

453

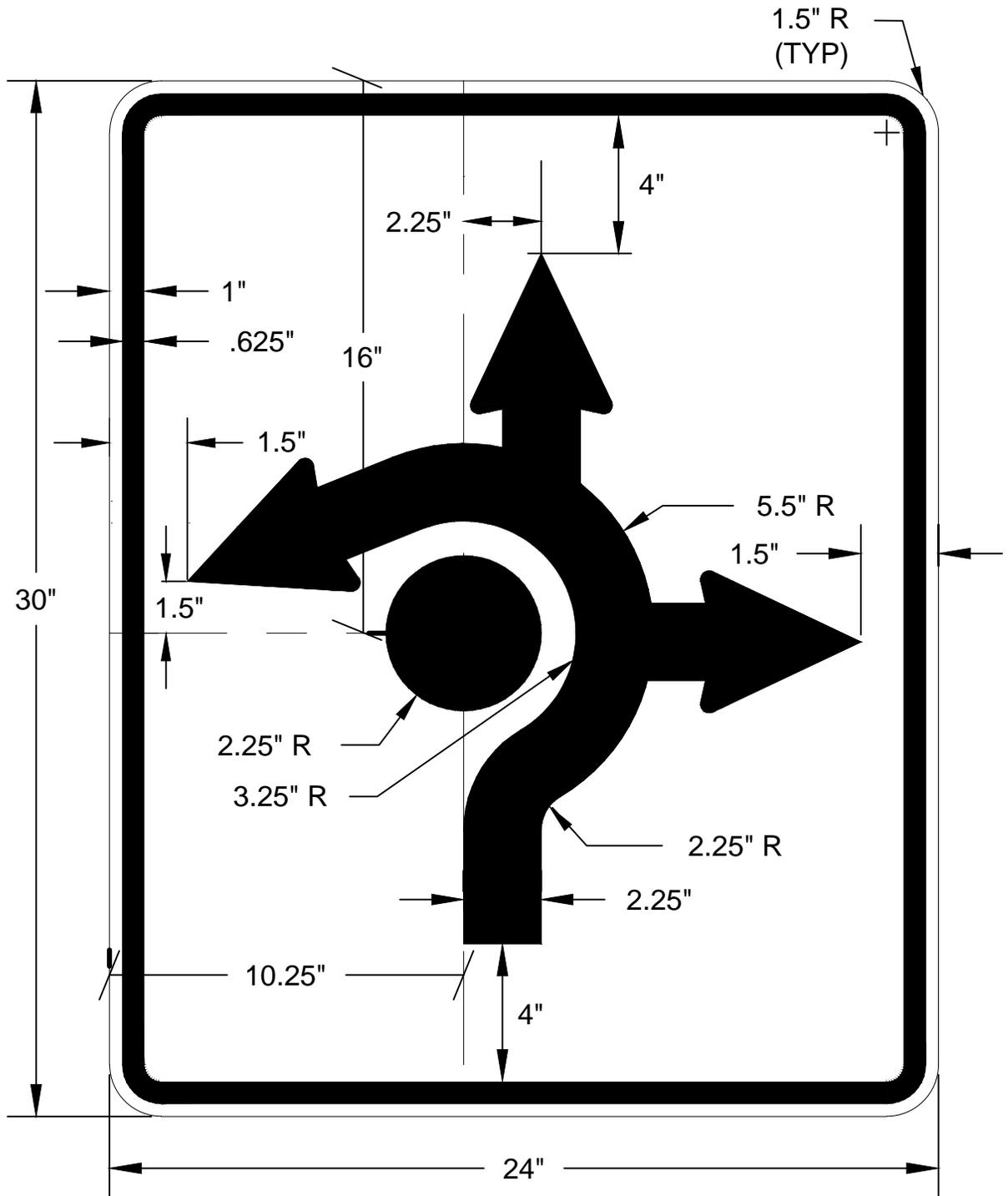


\*BLACK LEGEND ON WHITE  
BACKGROUND  
(REFLECTORIZED)



LAST REVISION DATE: OCTOBER 2010	
TRAFFIC CIRCLE SIGN DETAIL 1	
CITY: DUNDEE, OREGON	DRAWING NUMBER: 461





\*BLACK LEGEND ON  
WHITE BACKGROUND  
(REFLECTORIZED)

SEE DETAIL 413 FOR  
ARROWHEAD DIMENSIONS

LAST REVISION DATE:  
OCTOBER 2010

TRAFFIC CIRCLE  
SIGN DETAIL 3

CITY:  
DUNDEE, OREGON

DRAWING NUMBER:  
463





THE FOLLOWING LATEST VERSION OF THE OREGON STANDARD DRAWINGS PUBLISHED BY APWA/ODOT SHALL BE USED AS A CITY OF DUNDEE STANDARD WITH DUNDEE SPECIFIC REQUIREMENTS IN PARENTHESES:

OSSC STANDARD DRAWING NO.	OSSC STANDARD DRAWING NAME	DUNDEE EXCEPTION TO DRAWING
RD300	TRNCH BACKFILL, BEDDING, PIPEZONE AND MULTIPLE INSTALLATIONS.	NO EXCEPTION TAKEN
RD302	STREET CUT	NO EXCEPTION TAKEN
RD306	CONCRETE ENCASEMENT, CRADLE AND CAP DETAILS	NO EXCEPTION TAKEN
RD308	BORE CASING DETAIL	NO EXCEPTION TAKEN
RD310	SHALLOW/DEEP TRENCH SERVICE CONNECTION, BLOCKING AND MARKERS	NO EXCEPTION TAKEN
RD335	STANDARD STORM SEWER MANHOLES	FLAT TOP MANHOLES TO BE USED FOR ALL MANHOLES LESS THAN 6 FEET FROM RIM TO INVERT
RD336	STANDARD MANHOLE DETAILS	NO EXCEPTION TAKEN
RD339	PIPE TO STRUCTURE CONNECTIONS	NO EXCEPTION TAKEN
RD342	SHALLOW MANHOLES	NO EXCEPTION TAKEN
RE343	24 INCH MANHOLES	ALTERNATE B ONLY, ALTERNATE IS NOT PERMITTED
RD344	STANDARD MANHOLE BASE SECTION	NO EXCEPTION TAKEN
RD346	LARGE PRECAST MANHOLE	NO EXCEPTION TAKEN
RD354	CARRY-THROUGH MANHOLE	NO EXCEPTION TAKEN
RD356	MANHOLE FRAMES AND COVERS	NO EXCEPTION TAKEN
RD360	MANHOLE FRAME ADJUSTMENT	NO EXCEPTION TAKEN
RD364	CONCRETE INLETS TYPE G-1, G-2, G-2M & G-2MA	NO EXCEPTION TAKEN
RD365	FRAMES & GRATES FOR CONCRETE INLETS	NO EXCEPTION TAKEN
RD368	CONCRETE INLETS TYPE M-E, M-O, B & B-SL	NO EXCEPTION TAKEN
RD370	DITCH INLET TYPE D	NO EXCEPTION TAKEN
RD371	CONCRETE INLET BASE TYPE CG-3	NO EXCEPTION TAKEN
RD372	CONCRETE INLET TOP, OPTION 1 TYPE CG-3	NO EXCEPTION TAKEN
RD376	MISCELLANEOUS DRAINAGE STRUCTURES, SIPHON BOX, INLET CAP & INLET ADJUSTMENT	SIPHON BOX NOT PERMITTED

STANDARD DRAWING PUBLISHED BY APWA/ODOT NOT LISTED SHALL NOT BE USED WITHOUT PRIOR APPROVAL BY THE PUBLIC WORKS DEPARTMENT

LAST REVISION DATE:

AUGUST 2015

OSSC ACCEPTABLE  
STORM STANDARD  
DRAWINGS

CITY:

DUNDEE, OREGON

DRAWING NUMBER:

500

THE FOLLOWING LATEST VERSION OF THE OREGON STANDARD DRAWINGS PUBLISHED BY APWA/ODOT SHALL BE USED AS A CITY OF DUNDEE STANDARD WITH DUNDEE SPECIFIC REQUIREMENTS IN PARENTHESES:

OSSC STANDARD DRAWING NO.	OSSC STANDARD DRAWING NAME	DUNDEE EXCEPTION TO DRAWING
RD1000	CONSTRUCTION ENTRANCE	NO EXCEPTION TAKEN
RD1005	CHECK DAMS TYPES 1, 3 AND 4	NO EXCEPTION TAKEN
RD1006	CHECK DAMS TYPE 2 AND 6	NO EXCEPTION TAKEN
RD1010	INLET PROTECTION TYPE 2, 3, 6 AND 7	NO EXCEPTION TAKEN
RD1015	INLET PROTECTION TYPE 4	NO EXCEPTION TAKEN
RD1030	SEDIMENT BARRIER TYPE 2, 3 AND 4	NO EXCEPTION TAKEN
RD1032	SEDIMENT BARRIER TYPE 8	NO EXCEPTION TAKEN
RD1040	SEDIMENT FENCE	NO EXCEPTION TAKEN
RD1055	SLOPE AND CHANNEL MATTING	NO EXCEPTION TAKEN
RD1060	TIRE WASH FACILITY TYPE 1 AND 2	NO EXCEPTION TAKEN
RD1065	SEDIMENT TRAP	NO EXCEPTION TAKEN
RD1070	CONCRETE TRUCK WASH OUT	NO EXCEPTION TAKEN

STANDARD DRAWING PUBLISHED BY APWA/ODOT NOT LISTED SHALL NOT BE USED WITHOUT PRIOR APPROVAL BY THE PUBLIC WORKS DEPARTMENT

LAST REVISION DATE:

AUGUST 2015

OSSC ACCEPTABLE  
EROSION CONTROL  
STANDARD DRAWINGS

CITY:

DUNDEE, OREGON

DRAWING NUMBER:

600