

PLAN VIEW

NTS

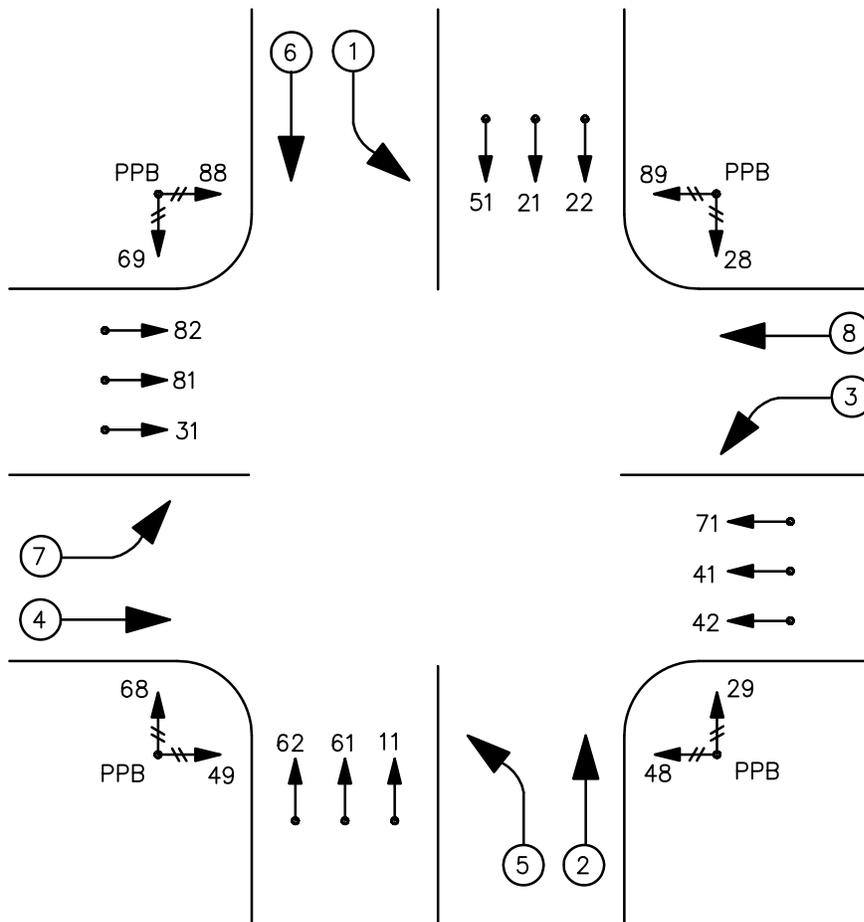
NOTES:

1. X IS a) 100 FEET ALONG ARTERIAL STREETS OR b) 65 FEET ALONG LOCAL ACCESS STREETS.
2. SHOW TRIANGLES FOR STREET AND NON SINGLE FAMILY RESIDENTIAL DRIVEWAY INTERSECTIONS.
3. SIGHT DISTANCE TRIANGLE LEGS ALIGN WITH CURB ON TANGENT.
4. SIGHT DISTANCE TRIANGLE IS APPLICABLE BETWEEN A HEIGHT OF EIGHT AND TWO FEET ABOVE GROUND. NO SIGHT OBSTRUCTIONS SHALL EXIST PER RZC 21.52.040

CITY OF REDMOND, WASHINGTON			STANDARD DETAILS	
APPROVED BY: RON GRANT CITY ENGINEER			SIGHT DISTANCE TRIANGLE	
REVISION DATE: MARCH 01, 2012			FILE NAME: SD408.DWG	DETAIL NUMBER: 408

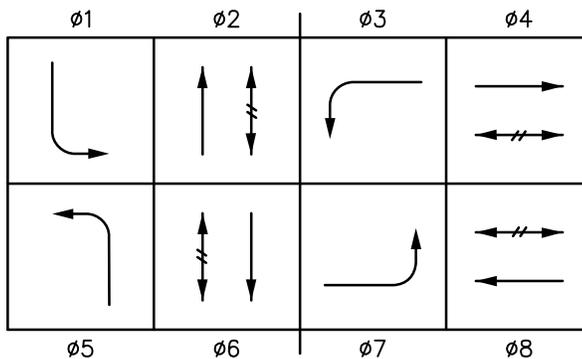
INTERSECTION HEAD NUMBERS

NTS



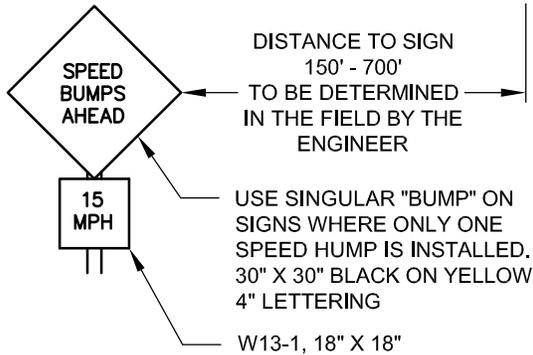
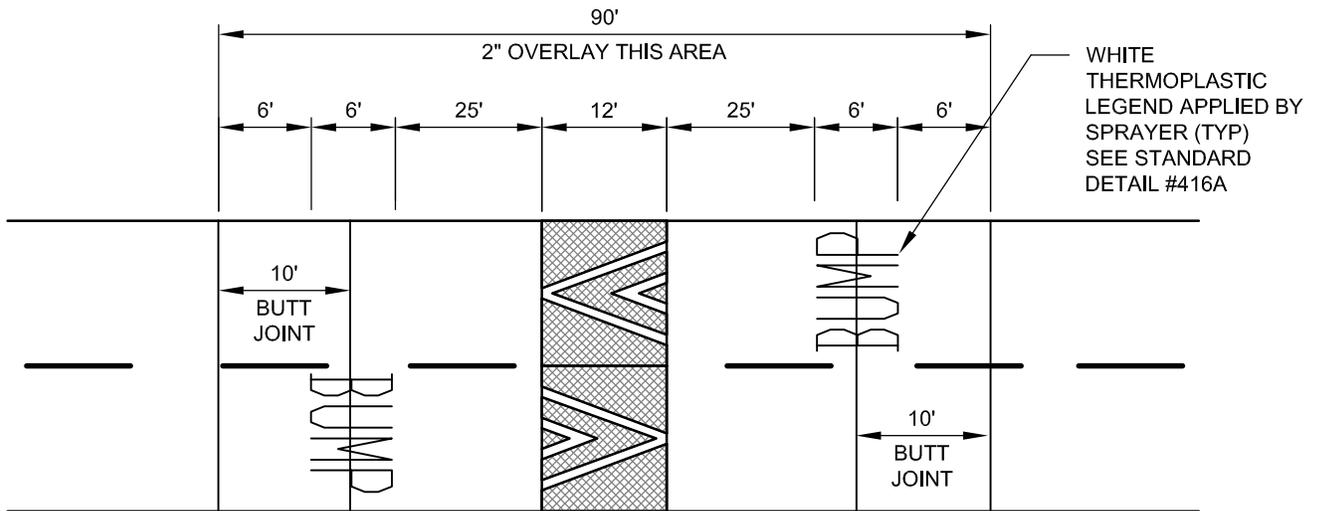
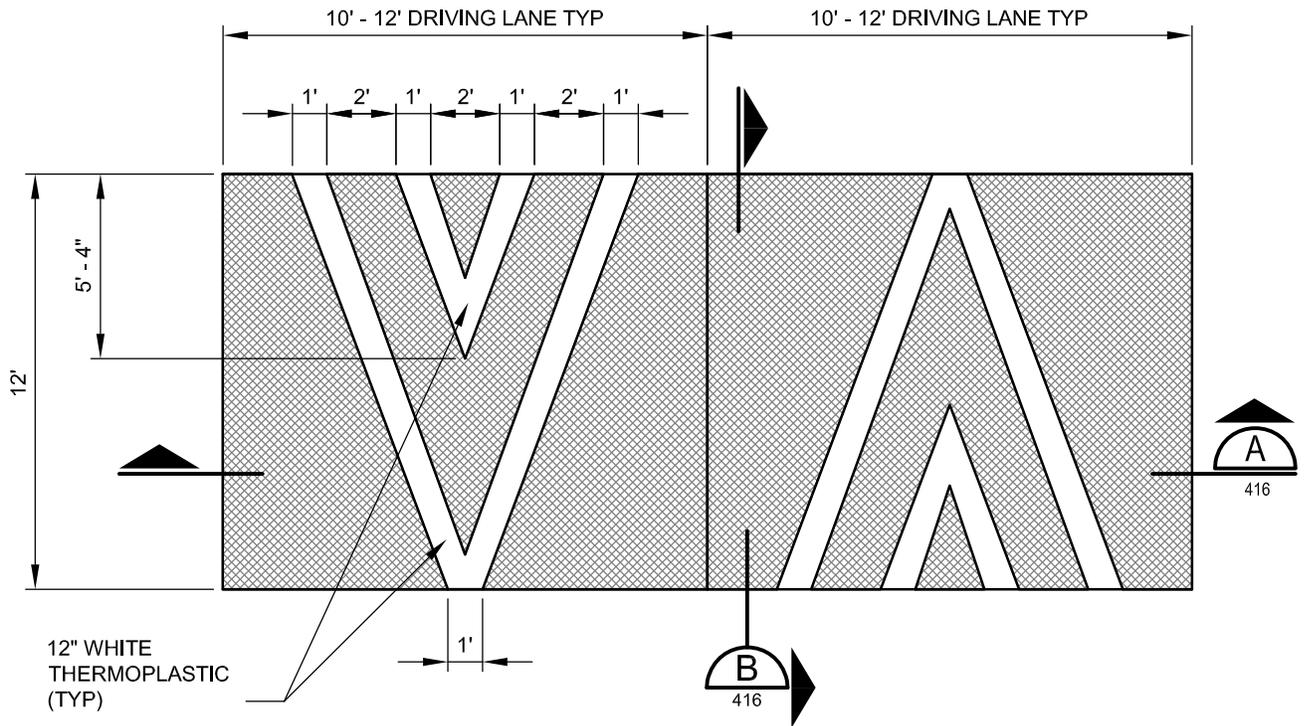
PHASING SEQUENCE DIAGRAM

NTS



NOTE:

PHASE 2 IS TYPICALLY NORTHBOUND. CONFIRM WITH TRAFFIC OPERATIONS DIVISION. EXCEPTIONS MAY OCCUR, SUCH AS FOR CONSISTENCY ALONG A CURVING ARTERIAL.



NOTES:

1. SIGNS & MARKINGS TYPICAL BOTH DIRECTIONS.
2. SEE "POST MOUNTED SIGN" STANDARD DRAWING 426C OR 426D.
3. A TEMPLATE MUST BE USED IN SHAPING SPEED HUMPS.
4. SPEED HUMPS MUST BE MADE IN TWO LIFTS.
5. 2" OVERLAY NOT REQUIRED FOR NEW PAVEMENT OR EXISTING PAVEMENT DETERMINED TO BE IN GOOD CONDITION BY THE ENGINEER.

CITY OF REDMOND, WASHINGTON

APPROVED BY: RON GRANT
CITY ENGINEER

REVISION DATE: MARCH 01, 2010

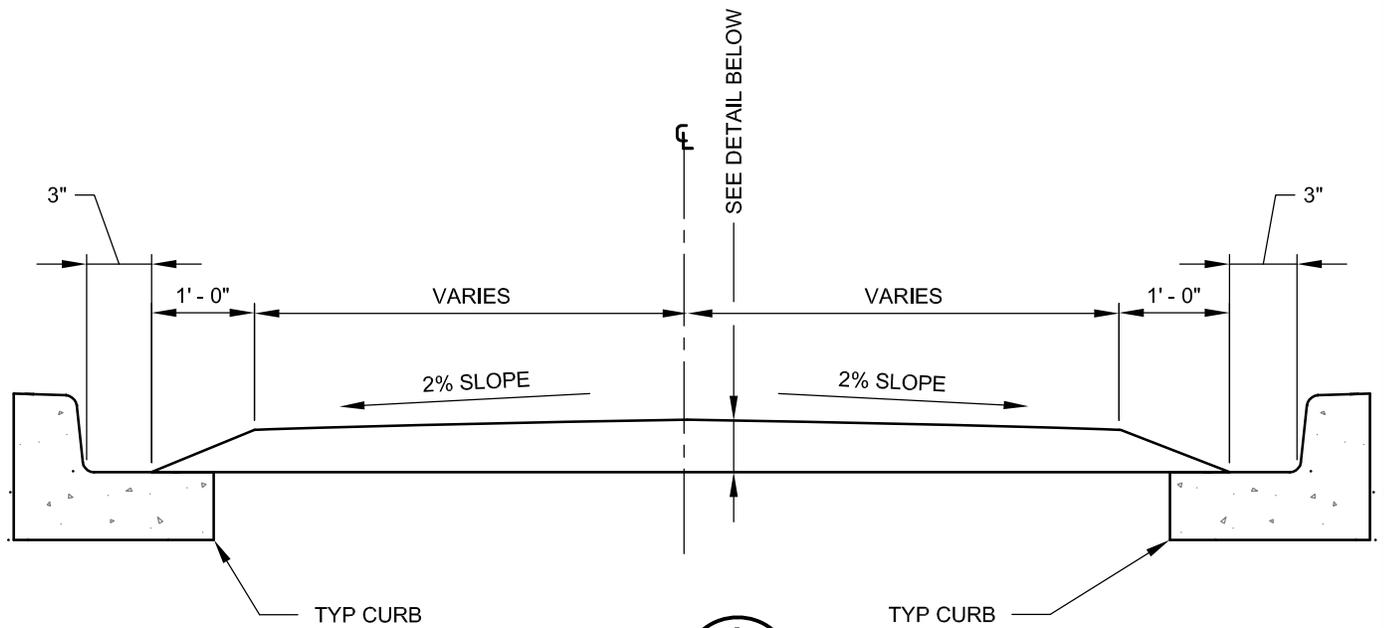


STANDARD DETAILS

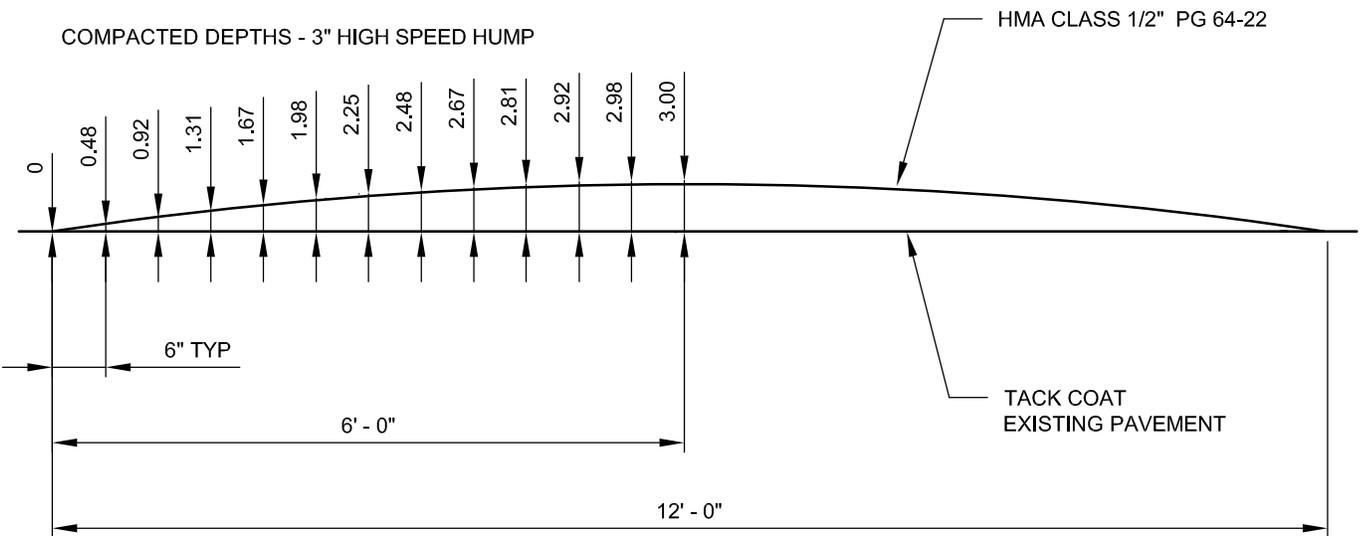
SPEED HUMP
(1 OF 2)

FILE NAME: SD415.DWG

DETAIL NUMBER: **415**

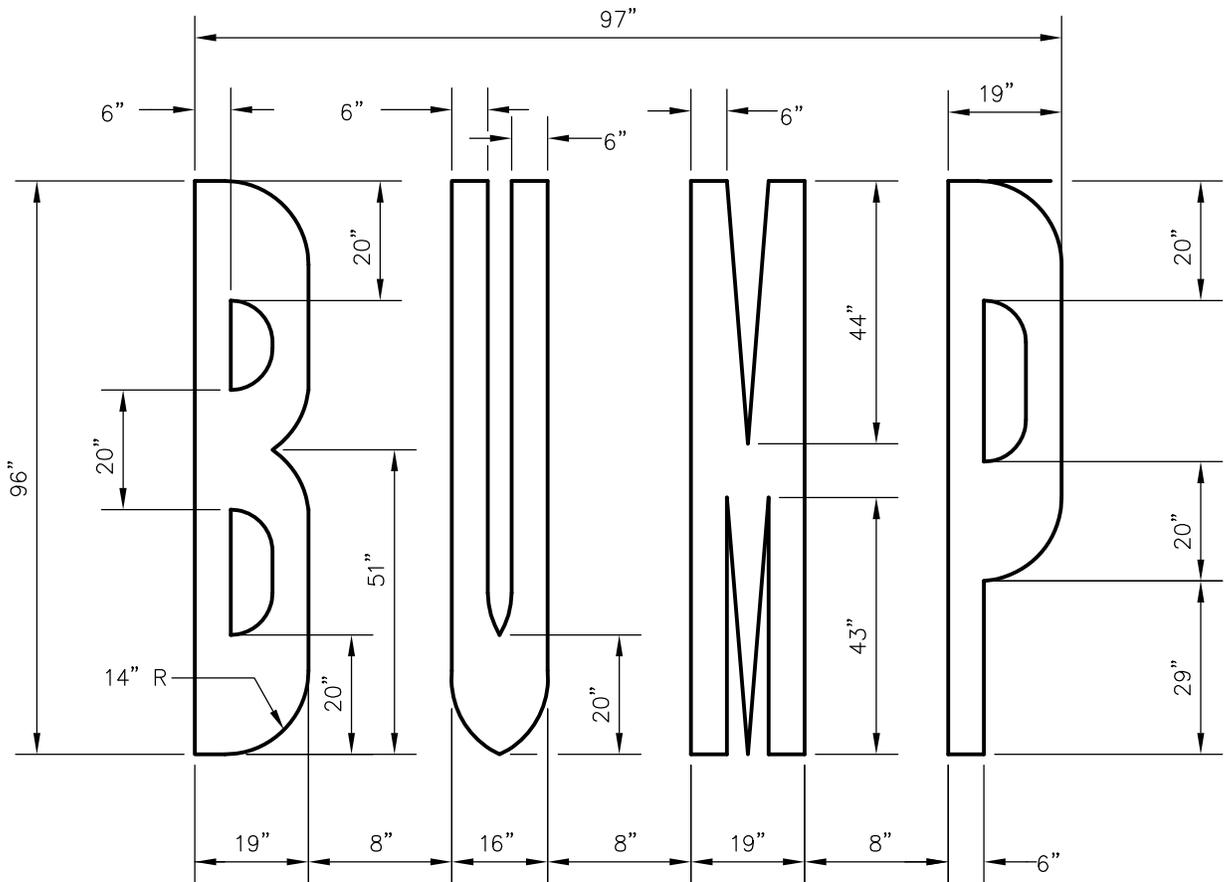


SECTION A
NTS 415



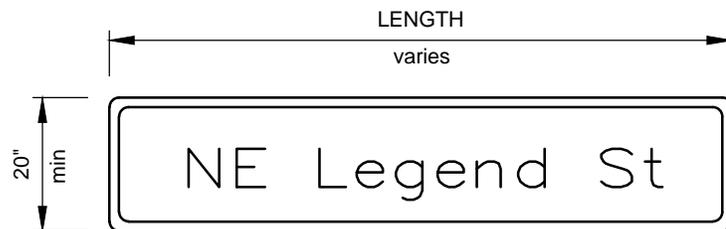
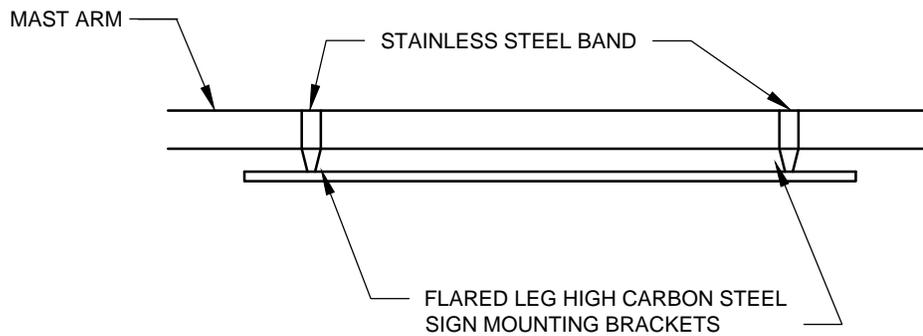
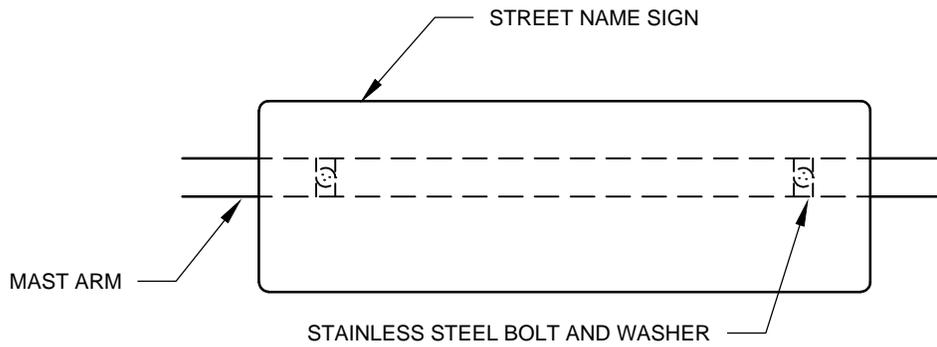
SECTION B
NTS 415

CITY OF REDMOND, WASHINGTON			STANDARD DETAILS	
APPROVED BY: RON GRANT CITY ENGINEER			SPEED HUMP (2 OF 2)	
REVISION DATE: MARCH 01, 2010			FILE NAME: SD416.DWG	DETAIL NUMBER: 416



BUMP LEGEND
NTS

CITY OF REDMOND, WASHINGTON			STANDARD DETAILS	
APPROVED BY: RON GRANT CITY ENGINEER			BUMP LEGEND	
REVISION DATE: MARCH 01, 2011			FILE NAME: SD416A.DWG	DETAIL NUMBER: 416A



NOTES:

1. SUBMIT LAYOUT PROOF FOR APPROVAL BY THE TRAFFIC OPERATIONS STAFF.
2. BAND BRACKET AND SIGN TO MAST ARM USING 3/4 INCH WIDE X 0.045 INCH THICK STRENGTH STAINLESS STEEL BAND. SIGN MUST BE LEVEL.
3. WHITE SIGN LETTERS ON GREEN. USE 3M DIAMOND GRADE DG[®]. MUST BE LEVEL GRADE SHEETING AND LETTERS.
4. AIM VERTICAL ANGLE CONSISTENT WITH SIGNAL DISPLAY.

	H	NUMERALS & LETTERS *
UPPER CASE	24"	12" SIZE, D-SERIES
LOWER CASE	42"	9" SIZE, D-SERIES

MATERIALS:

ALUMINUM 0.100 INCH THICK STOCK WITH ROUNDED CORNERS.

DIMENSIONS:

PROVIDE LETTER SPACING, TEXT MARGINS, SIGN BORDERS AND CORNER RADII PER WSDOT SIGN FABRICATION MANUAL.

CITY OF REDMOND, WASHINGTON

APPROVED BY: RON GRANT
CITY ENGINEER

REVISION DATE: MARCH 01, 2012

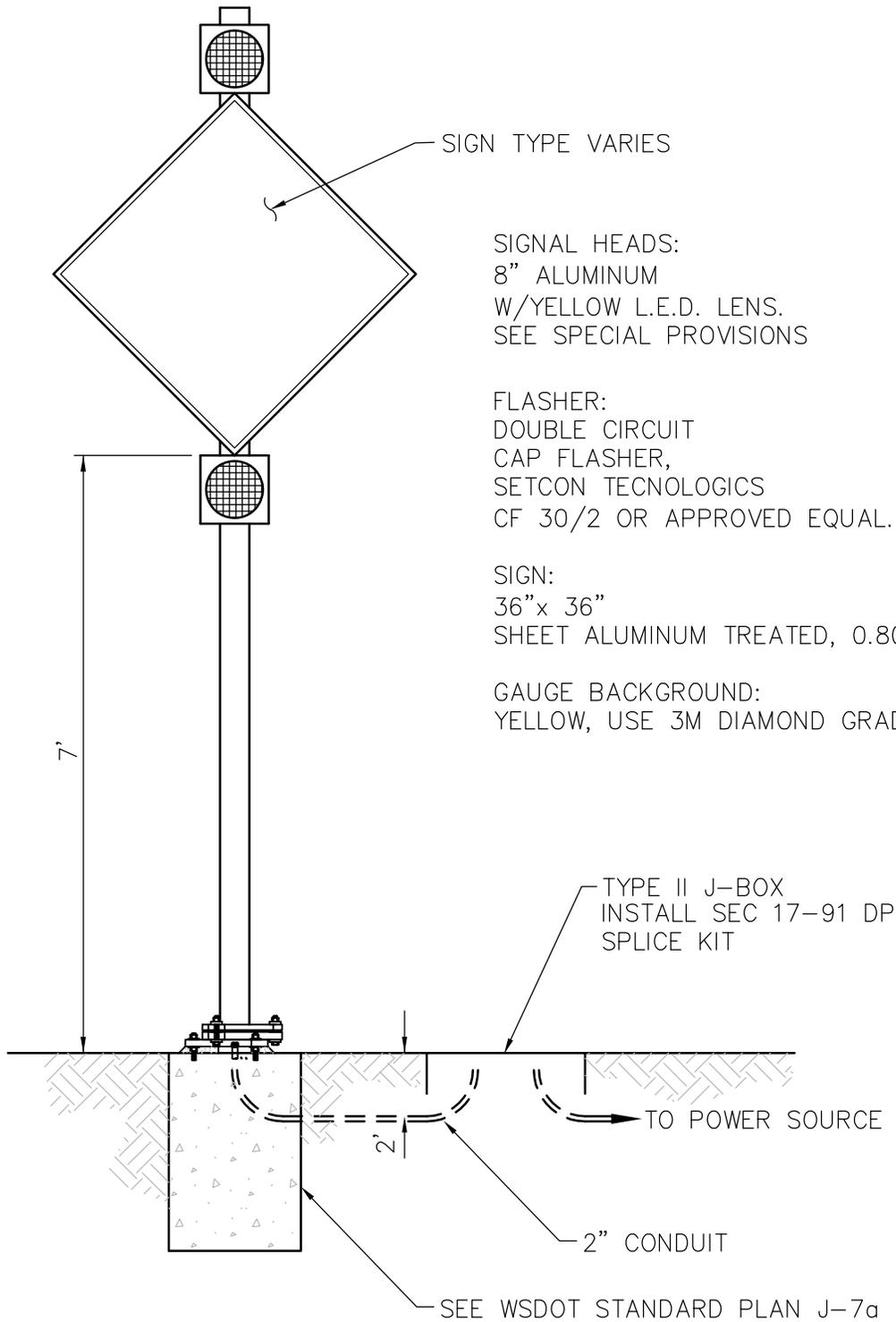


STANDARD DETAILS

MAST ARM
STREET NAME SIGNS

FILE NAME: SD417.DWG

DETAIL NUMBER: 417



CITY OF REDMOND, WASHINGTON

APPROVED BY: RON GRANT
CITY ENGINEER

REVISION DATE: MARCH 01, 2011

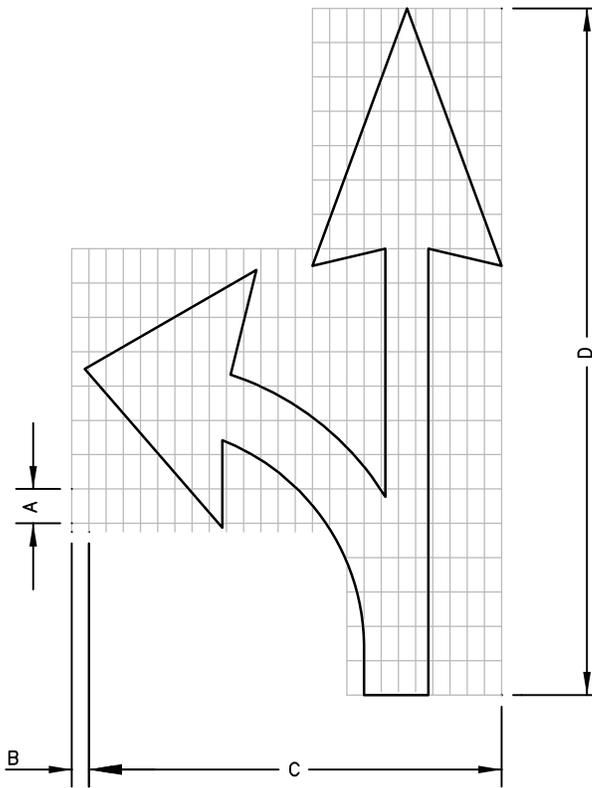
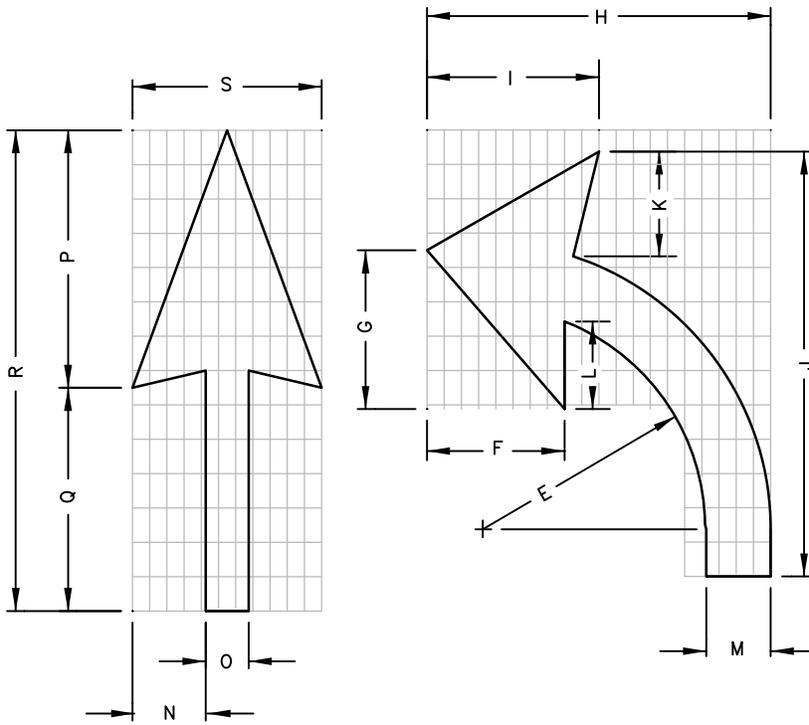


STANDARD DETAILS

**ADVANCE WARNING
SIGN/FLASHER**

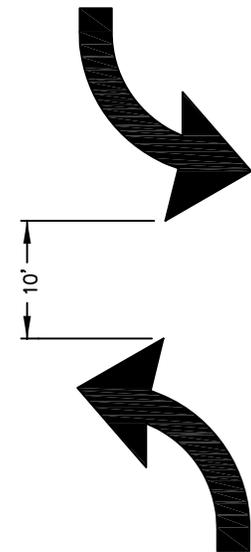
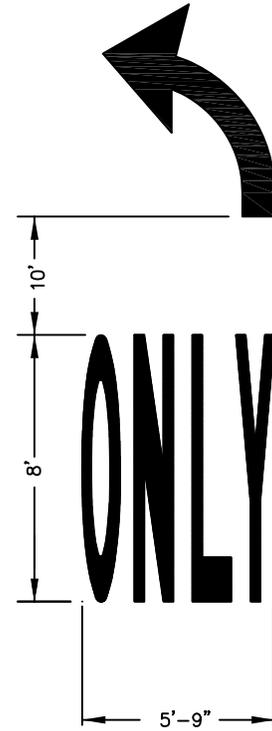
FILE NAME: SD418.DWG

DETAIL NUMBER: **418**



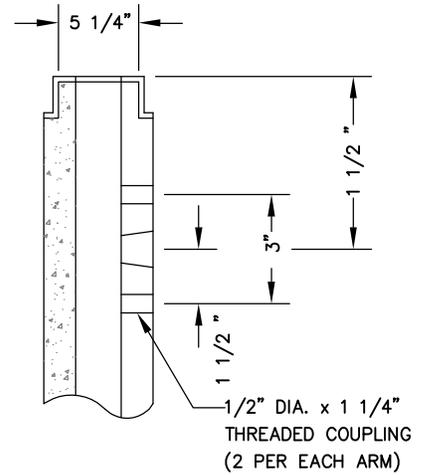
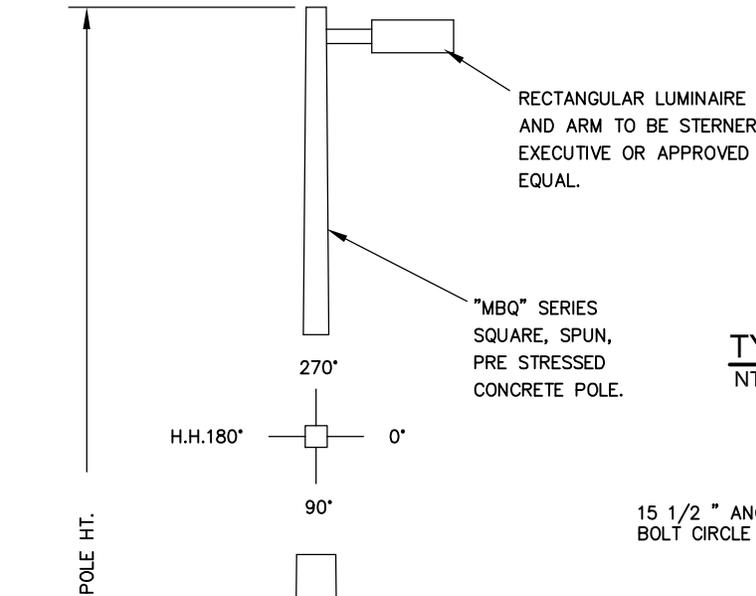
NOTE:

USE THERMOPLASTIC UNLESS DIRECTED OTHERWISE BY CITY TRAFFIC ENGINEER

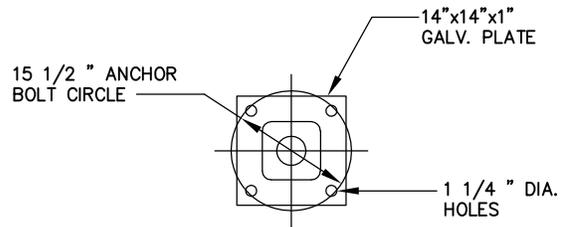


A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
8"	4"	8'-0"	13'-4"	4'-4"	2'-8"	3'-1"	6'-7"	3'-4"	8'-3"	1'-11"	1'-8"	1'-3"	1'-5"	10"	5'-0"	4'-4"	9'-4"	3'-8"

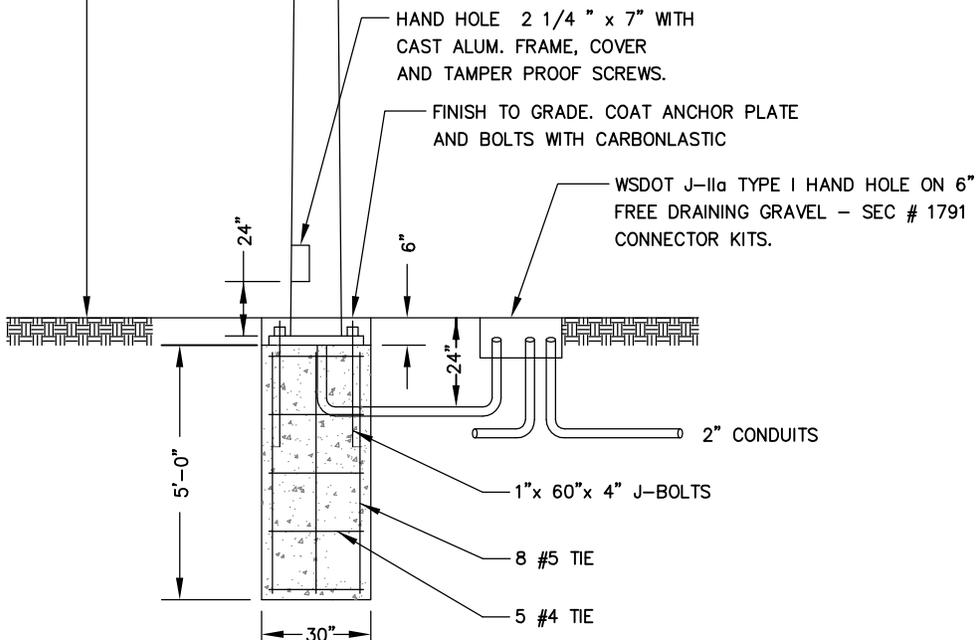
CATALOG NUMBER	MOUNTING HT.	POLE HT.	BUTT SECTION	NOMINAL WT. (LBS)
MBQ-11	35'-5"	36'-1"	9 7/16"	1880



TYPICAL SIDE MOUNT DETAIL
NTS



BASE PLATE
NTS



NOTE:

POLE FINISH - #113 GRAY CEMENT NATURAL EXPOSED FINISHED.

CITY OF REDMOND, WASHINGTON

APPROVED BY: RON GRANT
CITY ENGINEER

REVISION DATE: MARCH 01, 2011

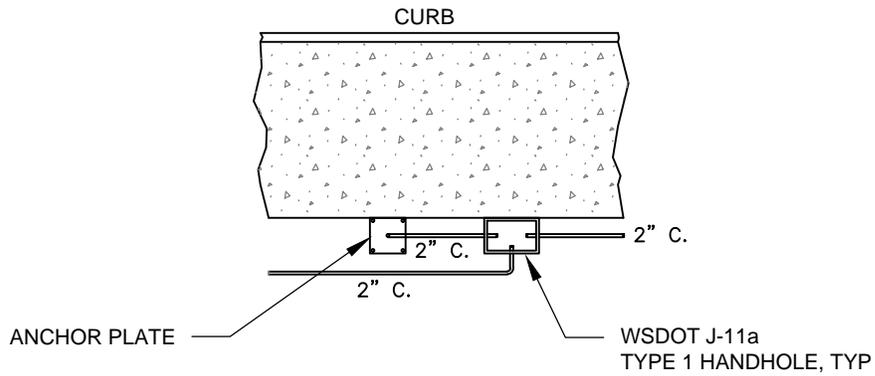


STANDARD DETAILS

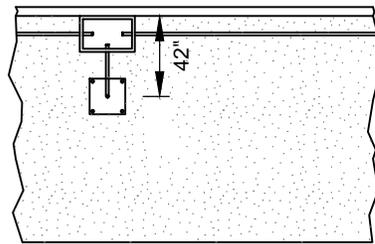
**LUMINAIRE POLE
(CONCRETE SQUARE)**

FILE NAME: SD420.DWG

DETAIL NUMBER: **420**

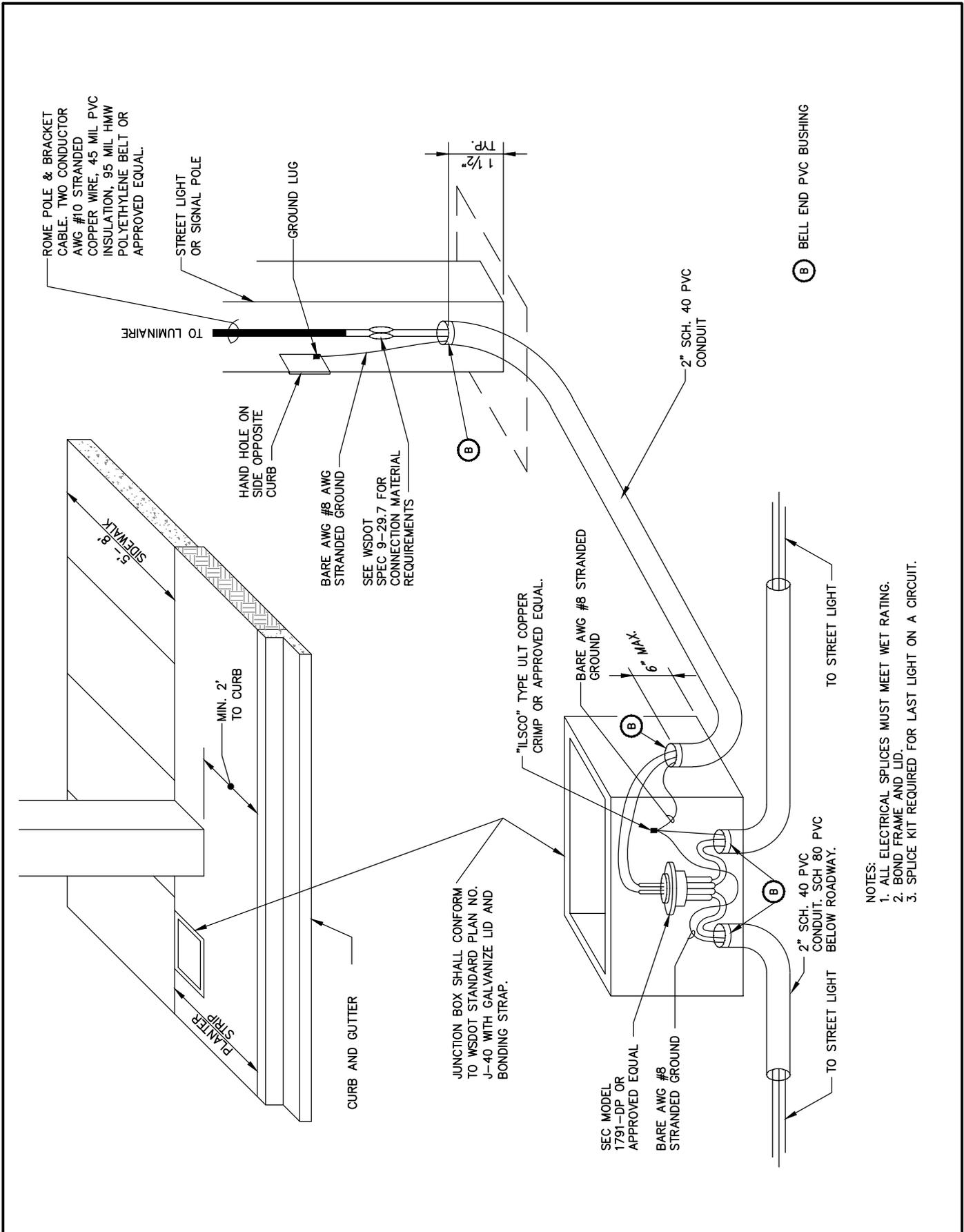


SIDEWALK
NTS



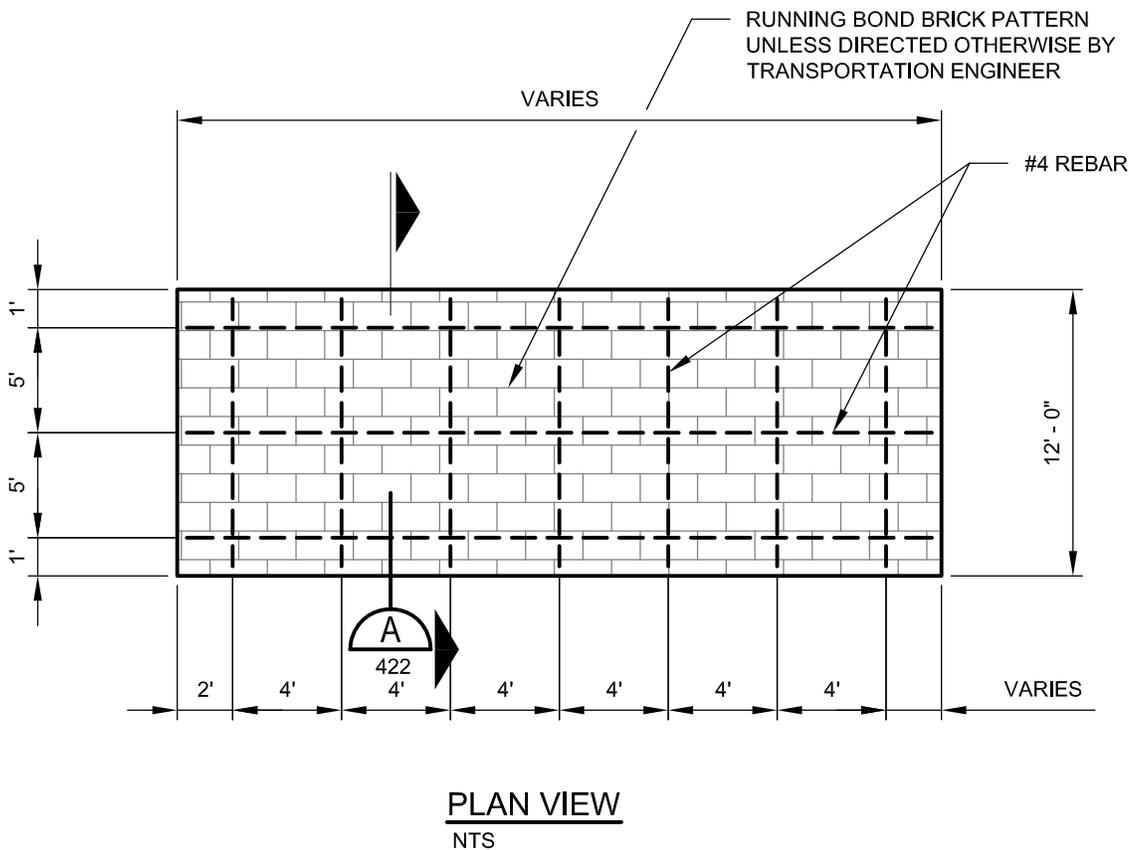
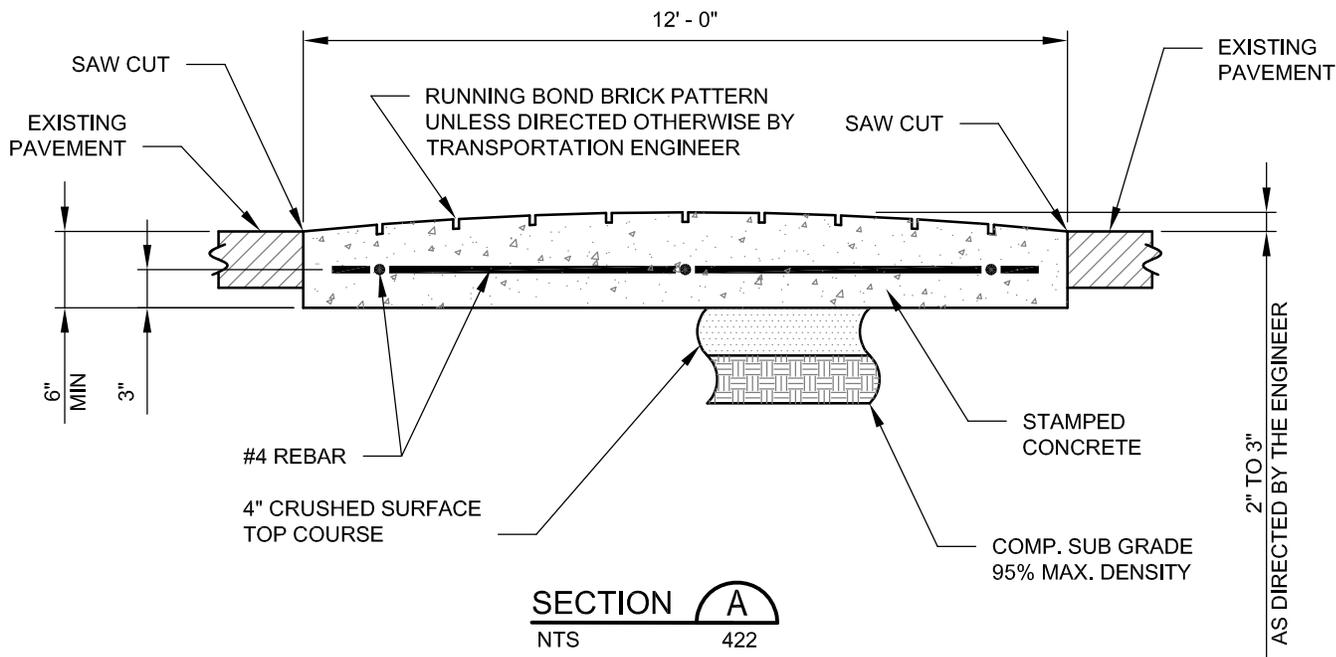
NO SIDEWALK
NTS

CITY OF REDMOND, WASHINGTON			STANDARD DETAILS	
APPROVED BY: RON GRANT CITY ENGINEER			TYPICAL LUMINARE LOCATIONS	
REVISION DATE: MARCH 01, 2012			FILE NAME: SD420A.DWG	DETAIL NUMBER: 420A



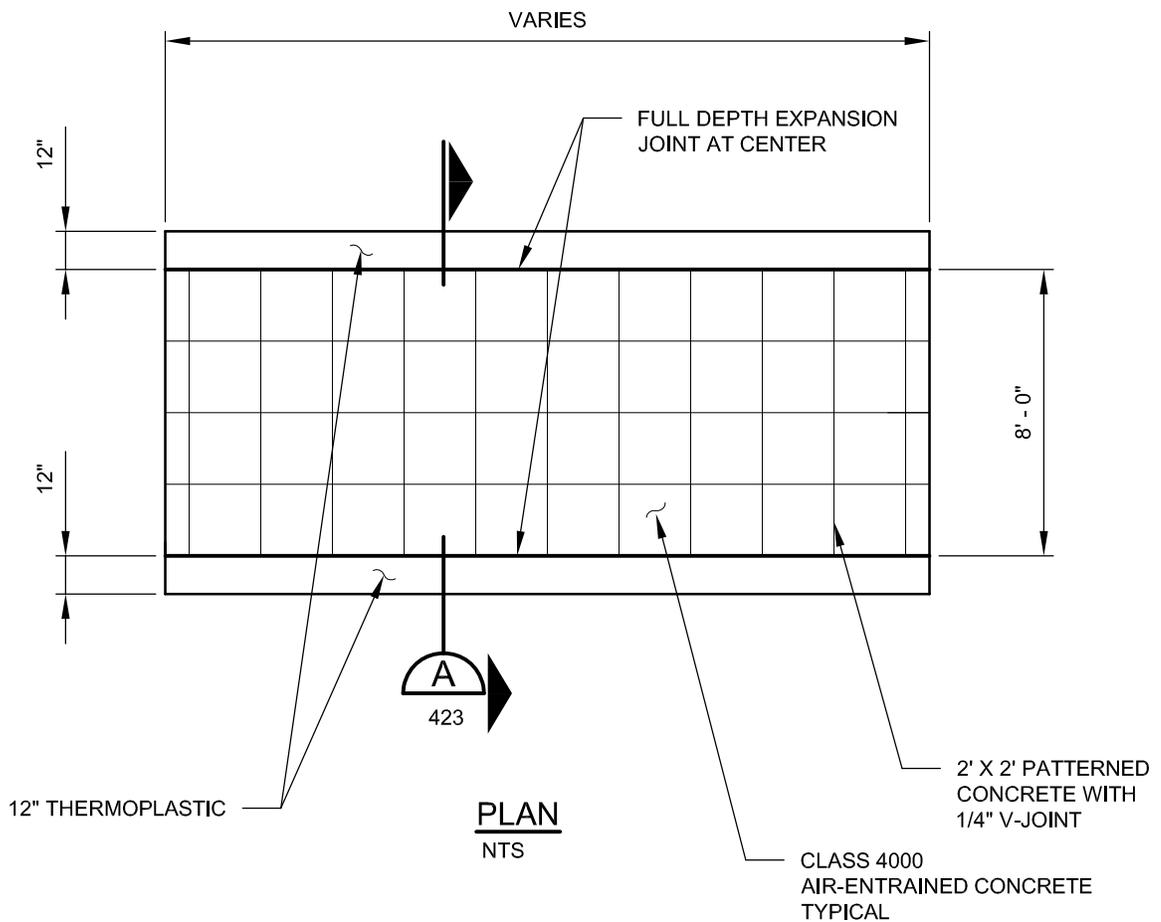
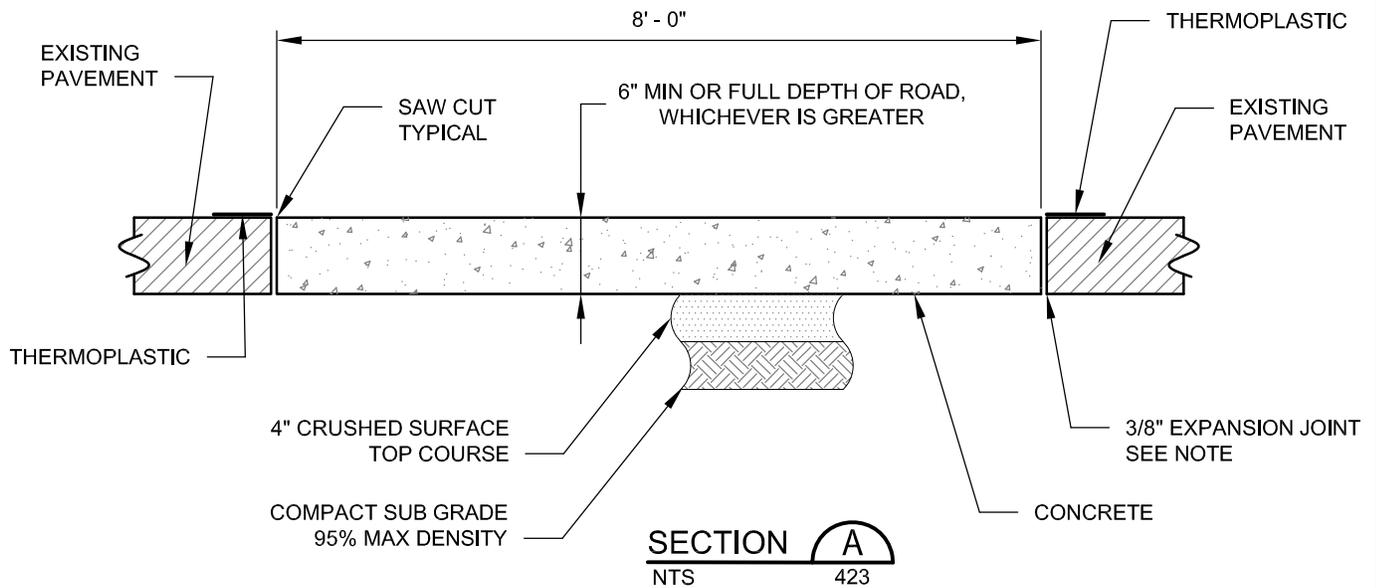
- NOTES:
1. ALL ELECTRICAL SPLICES MUST MEET WET RATING.
 2. BOND FRAME AND LID.
 3. SPLICE KIT REQUIRED FOR LAST LIGHT ON A CIRCUIT.

CITY OF REDMOND, WASHINGTON			STANDARD DETAILS	
APPROVED BY: RON GRANT CITY ENGINEER			UNIFORM LUMINAIRE WIRING	
REVISION DATE: MARCH 01, 2012			FILE NAME: SD421.DWG	DETAIL NUMBER: 421



NOTE:
 INSTALL "BUMP" LEGENDS 25 FEET IN ADVANCE OF
 DEVICE FOR EACH DIRECTION OF TRAVEL.
 SEE DETAIL 416A.

CITY OF REDMOND, WASHINGTON			STANDARD DETAILS	
APPROVED BY: RON GRANT CITY ENGINEER			PATTERNED CONCRETE SPEED HUMP	
REVISION DATE: MARCH 01, 2010			FILE NAME: SD422.DWG	DETAIL NUMBER: 422



NOTE:

EXPANSION JOINT FULL DEPTH WHEN WALK IS ADJACENT TO AN EXISTING CONCRETE SHEET.

CITY OF REDMOND, WASHINGTON

APPROVED BY: RON GRANT
CITY ENGINEER

REVISION DATE: MARCH 01, 2010

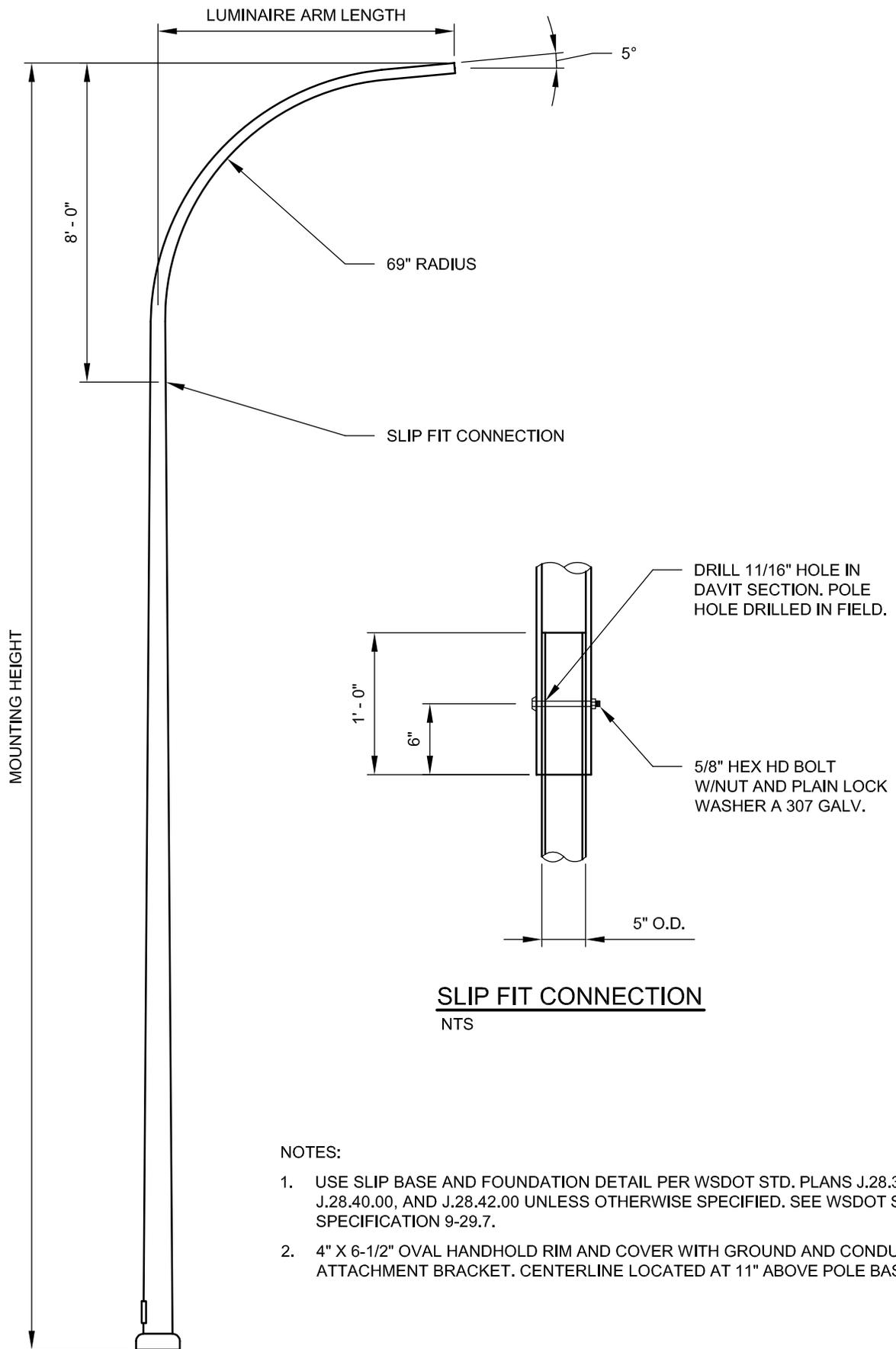


STANDARD DETAILS

**PATTERNED CONCRETE
CROSSWALK**

FILE NAME: SD423.DWG

DETAIL NUMBER: **423**



NOTES:

1. USE SLIP BASE AND FOUNDATION DETAIL PER WSDOT STD. PLANS J.28.30-00, J.28.40.00, AND J.28.42.00 UNLESS OTHERWISE SPECIFIED. SEE WSDOT STD SPECIFICATION 9-29.7.
2. 4" X 6-1/2" OVAL HANDHOLD RIM AND COVER WITH GROUND AND CONDUCTOR ATTACHMENT BRACKET. CENTERLINE LOCATED AT 11" ABOVE POLE BASE.

CITY OF REDMOND, WASHINGTON

APPROVED BY: RON GRANT
CITY ENGINEER

REVISION DATE: MARCH 01, 2010



STANDARD DETAILS

**"J" SERIES
LIGHT STANDARD**

FILE NAME: SD425.DWG

DETAIL NUMBER: **425**

90 DEGREE CROSSPIECE
WITH 12" BLADE HOLDERS



2" SQUARE CAP WITH
12" BLADE HOLDER

SIGN FABRICATION DETAIL

NTS

MUTCD TABLE 2D-2. MINIMUM LETTER HEIGHTS ON STREET NAME SIGNS

TYPE OF MOUNTING	TYPE OF STREET	SPEED LIMIT	MINIMUM LETTER HEIGHT		BLADE SIZE	
			INITIAL UPPER CASE	LOWER CASE	MIN	MAX
POST-MOUNTED	MULTI-LANE	MORE THAN 40 MPH	8 INCHES	6 INCHES	10" X 36"	10" X 48"
POST-MOUNTED	MULTI-LANE	40 MPH OR LESS	6 INCHES	4.5 INCHES	8" X 30"	8" X 36"
POST-MOUNTED	2-LANE	ALL SPEED LIMITS	6 INCHES*	4.5 INCHES*	8" X 30"	8" X 36"

* ON LOCAL TWO-LANE STREETS WITH SPEED LIMITS OF 25 MPH OR LESS, 4 INCH INITIAL UPPER-CASE LETTERS WITH 3 INCH LOWER CASE LETTERS MAY BE USED.

NOTES:

1. LETTERS SHALL BE HIGHWAY B SERIES FONT.
2. SIGN CORNERS SHALL BE ROUNDED.
3. FOR INTERSECTIONS THAT HAVE DIFFERING SPEEDS, THE HIGHEST SPEED SHALL DICTATE THE SIZE OF ALL STREET NAME SIGNS.
4. SIGN MATERIAL SHALL BE 0.080 INCH THICK STOCK ALUMINUM WITH WHITE SIGN LETTERS ON GREEN, HIGH INTENSITY GRADE SHEETING.

CITY OF REDMOND, WASHINGTON

APPROVED BY: RON GRANT
CITY ENGINEER

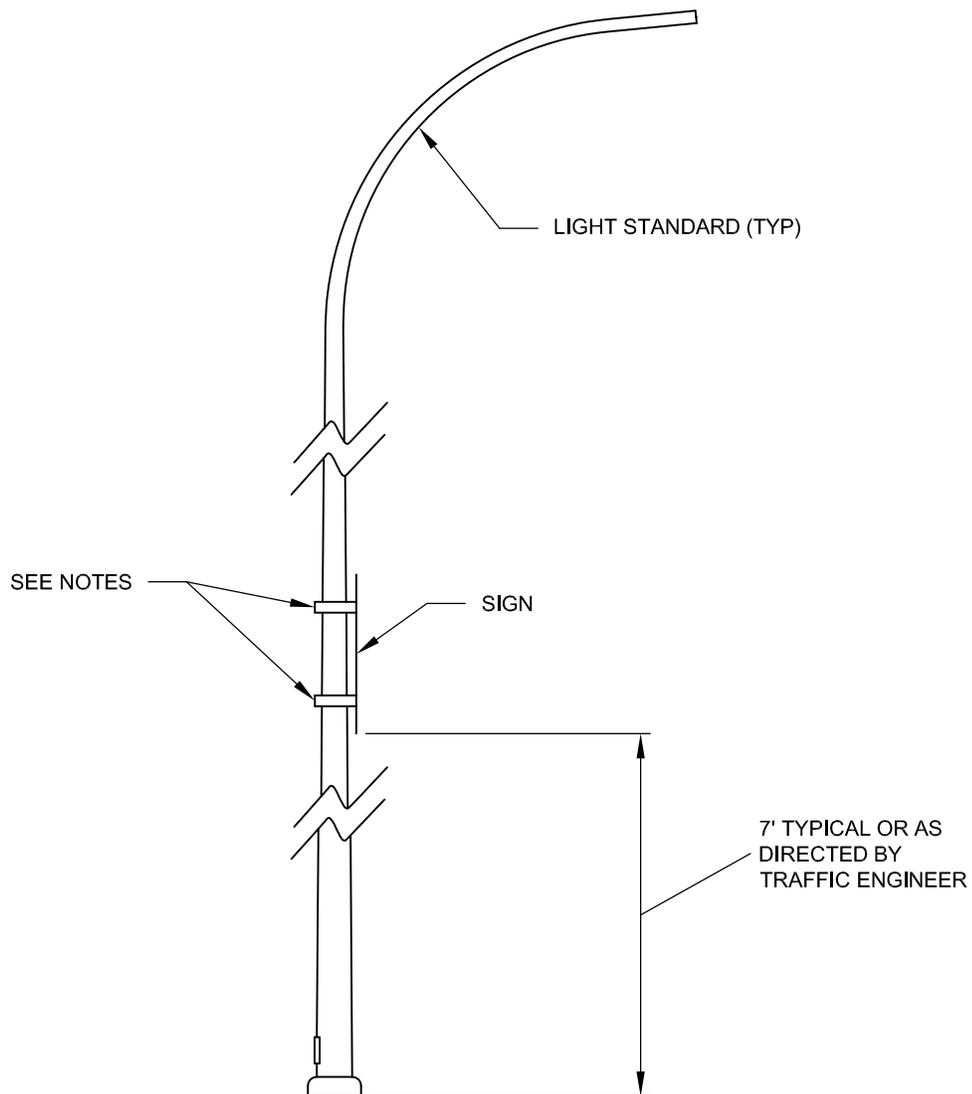
REVISION DATE: MARCH 01, 2011



STANDARD DETAILS

**SIGN AND POST
DETAIL**

FILE NAME: SD426A.DWG DETAIL NUMBER: **426A**

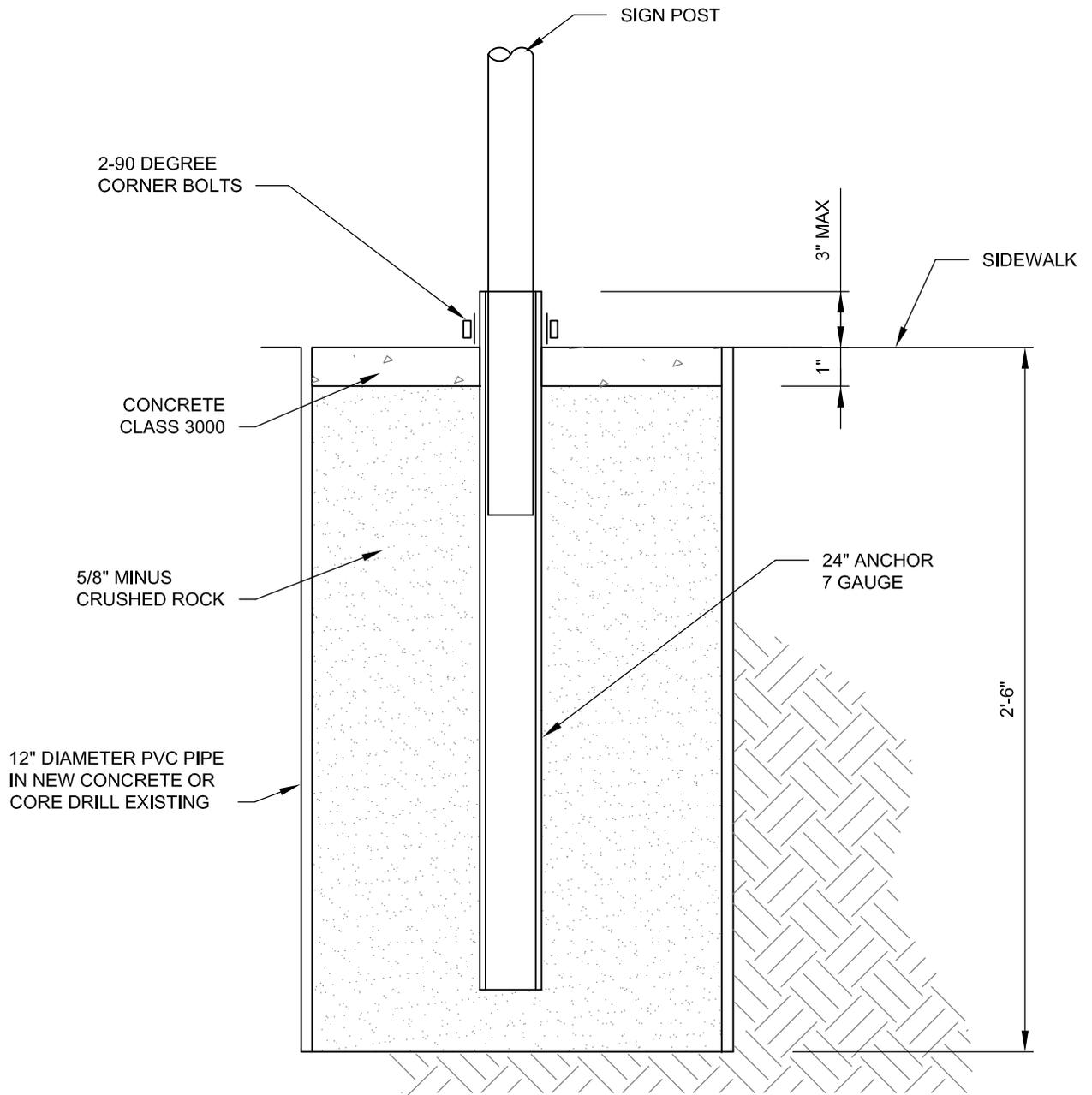


SIGN MOUNTING DETAIL
NTS

NOTES:

1. SIGN MOUNTED ON STREETLIGHTS SHALL BE BANDED (3/4" WIDE 0.30 THICKNESS STAINLESS STEEL BANDING WITH BANDING BUCKLES AND BOLT FLARED LEG BUCKLES).
2. ATTACH SIGN TO POST WITH 3/8" X 3" GALVANIZED BOLTS WITH WASHERS ON FRONT AND BACK.

CITY OF REDMOND, WASHINGTON			STANDARD DETAILS	
APPROVED BY: RON GRANT CITY ENGINEER			STREET LIGHT POLE MOUNTING SIGN	
REVISION DATE: MARCH 01, 2011			FILE NAME: SD426B.DWG	DETAIL NUMBER: 426B



NOTES:

1. POST: 2" X 2" 14 GAUGE (0.83) QWIK PUNCH A.S.T.M. A570 WITH ANCHOR AND STIFFENER SLEEVE.
2. SIGN HEIGHT: FROM THE GROUND TO THE BOTTOM OF THE SIGN SHALL BE 7'-0" (TYP PER MUTCD).
3. OFFSET LOCATION PER MUTCD. SIGN POST NOT TO EXTEND PAST TOP OF SIGN. ATTACH SIGN TO POST WITH 3/8" X 3" GALVANIZED BOLTS WITH WASHERS ON FRONT AND BACK. SIGN MATERIAL 3M VIP DIAMOND GRADE DG³.

CITY OF REDMOND, WASHINGTON

APPROVED BY: RON GRANT
CITY ENGINEER

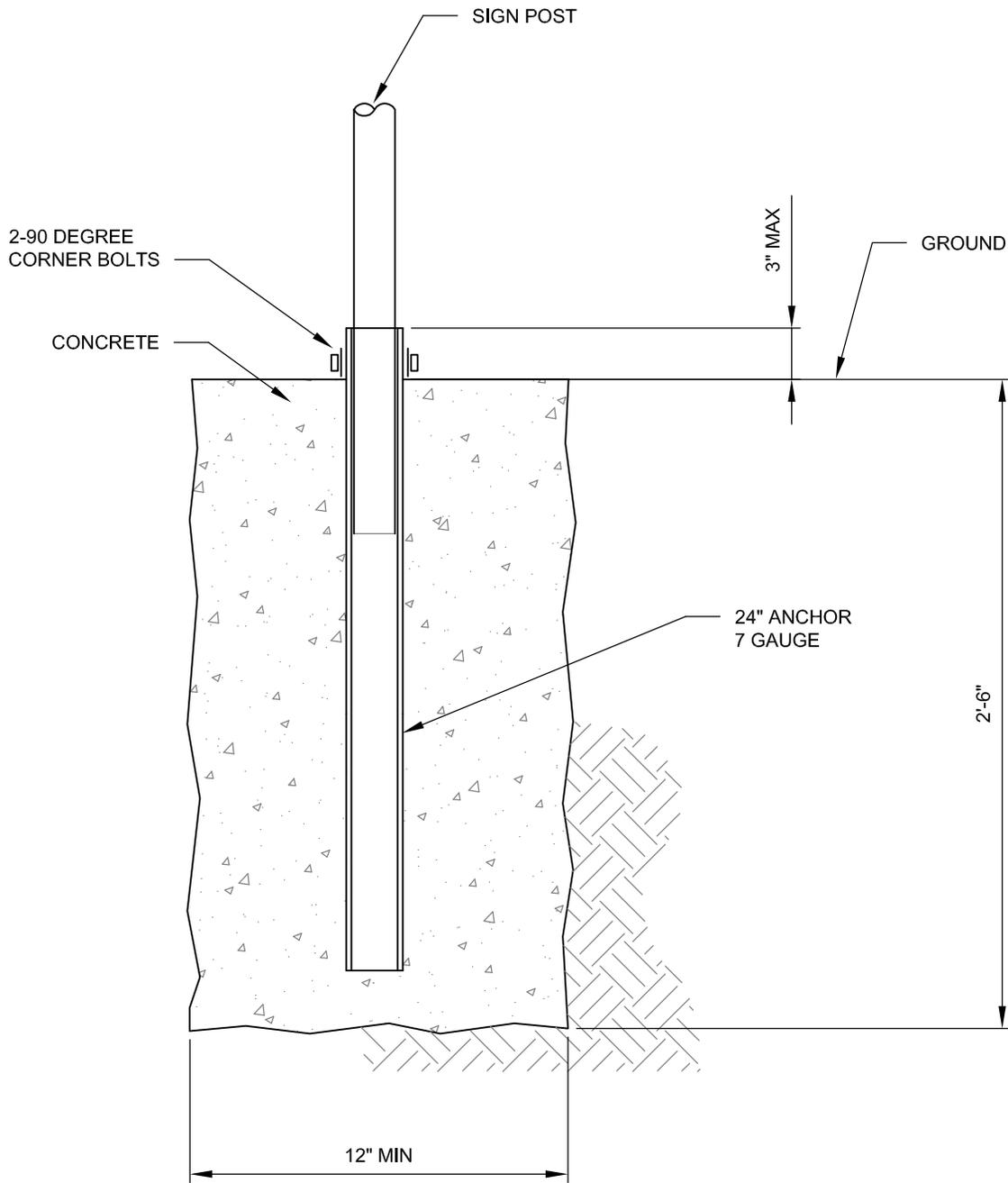
REVISION DATE: MARCH 01, 2011



STANDARD DETAILS

**SIGN AND POST IN
CONCRETE/ASPHALT**

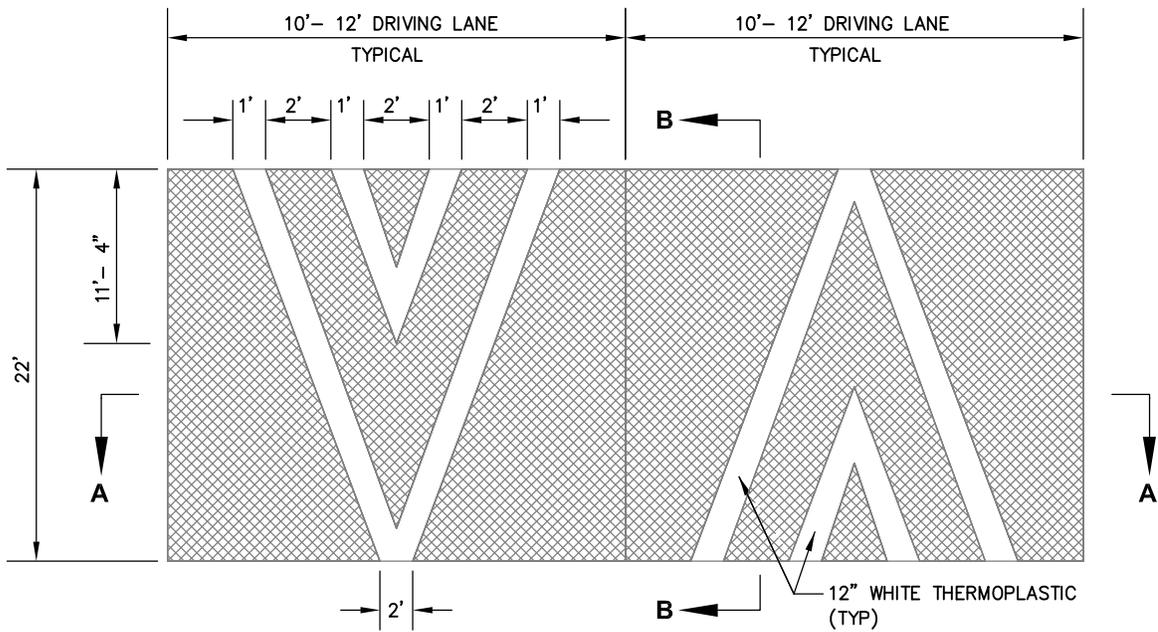
FILE NAME: SD426C.DWG | DETAIL NUMBER: **426C**



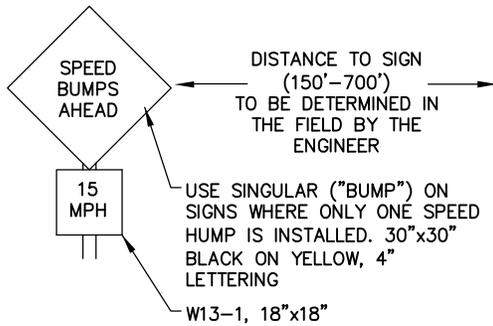
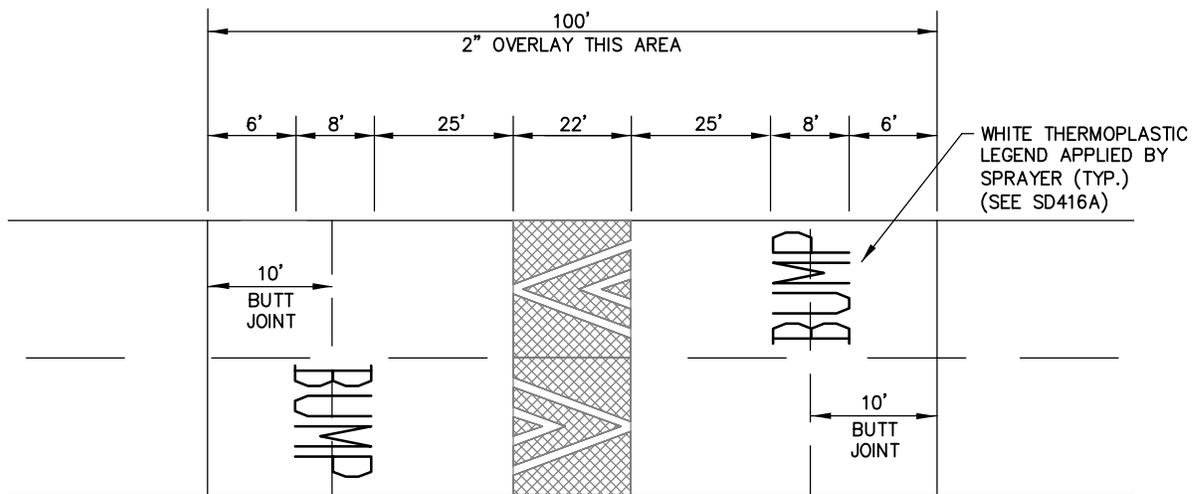
NOTES:

1. POSTS: 2"x2" 14 GAUGE (.083) QWIK PUNCH A.S.T.M. A570, WITH ANCHOR AND STIFFENER SLEEVE.
2. SIGN HEIGHT: FROM THE GROUND TO THE BOTTOM OF THE SIGN SHALL BE 7'-0" (TYP. PER MUTCD).
3. OFFSET LOCATION PER MUTCD: SIGN POST NOT TO EXTEND PAST TOP OF SIGN. ATTACH SIGN TO POST WITH 3/8"x3" GALVANIZED BOLTS WITH WASHERS ON FRONT AND BACK.
4. SIGN MATERIAL: 3M DIAMOND GRADE DG³.

CITY OF REDMOND, WASHINGTON			STANDARD DETAILS	
APPROVED BY: RON GRANT CITY ENGINEER			SIGN AND POST IN GROUND	
REVISION DATE: MARCH 01, 2011			FILE NAME: SD426D.DWG	DETAIL NUMBER: 426D



SPEED TABLE DETAIL (1 OF 2)
NTS



NOTES:

1. SIGNS & MARKINGS TYPICAL BOTH DIRECTIONS.
2. SEE "POST MOUNTED SIGN" STANDARD DRAWING.
3. A TEMPLATE MUST BE USED IN SHAPING SPEED TABLE.
4. SPEED TABLE MUST BE MADE IN TWO LIFTS.
5. 2" OVERLAY NOT REQUIRED FOR NEW PAVEMENT OR EXISTING PAVEMENT DETERMINED TO BE IN GOOD CONDITION BY THE ENGINEER.

CITY OF REDMOND, WASHINGTON

APPROVED BY: RON GRANT
CITY ENGINEER

REVISION DATE: MARCH 01, 2011

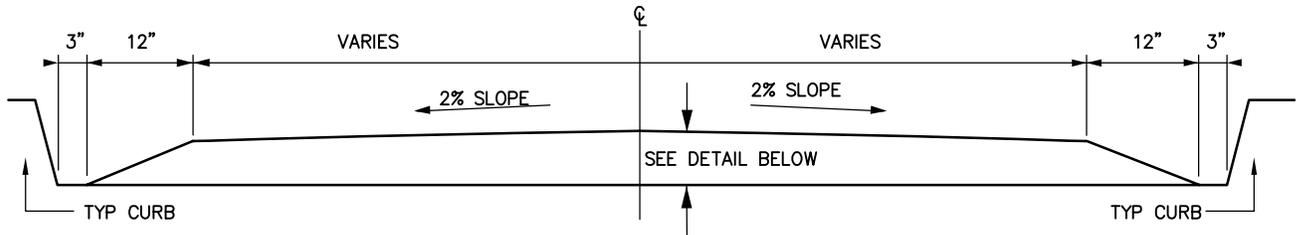


STANDARD DETAILS

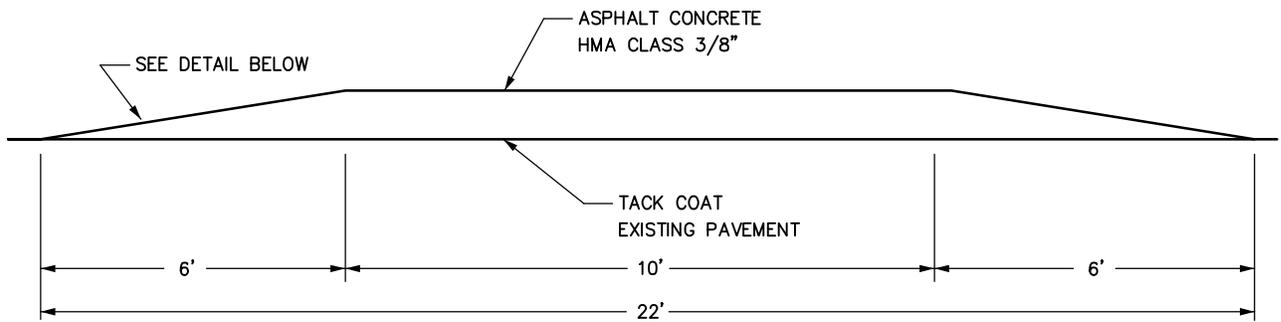
SPEED TABLE (1 OF 2)

FILE NAME: SD427.DWG

DETAIL NUMBER: **427**

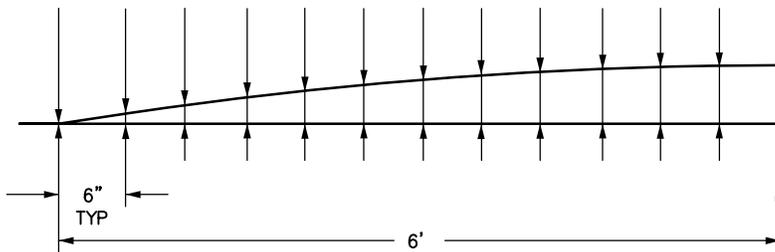


SPEED TABLE SECTION A-A
NTS



SPEED TABLE SECTION B-B
NTS

0	0.64	1.22	1.75	2.22	2.64	3.00	3.31	3.56	3.75	3.89	3.97	4.00"	← 4" SPEED TABLE
0	0.56	1.07	1.53	1.94	2.31	2.63	2.89	3.11	3.28	3.40	3.48	3.50"	← 3.5" SPEED TABLE
0	0.48	0.92	1.31	1.67	1.98	2.25	2.48	2.67	2.81	2.92	2.96	3.00"	← 3" SPEED TABLE/OR WHEN USED AS A RAISED CROSSWALK



SPEED TABLE DETAIL (TYP)
NTS

CITY OF REDMOND, WASHINGTON

APPROVED BY: RON GRANT
CITY ENGINEER

REVISION DATE: MARCH 01, 2011

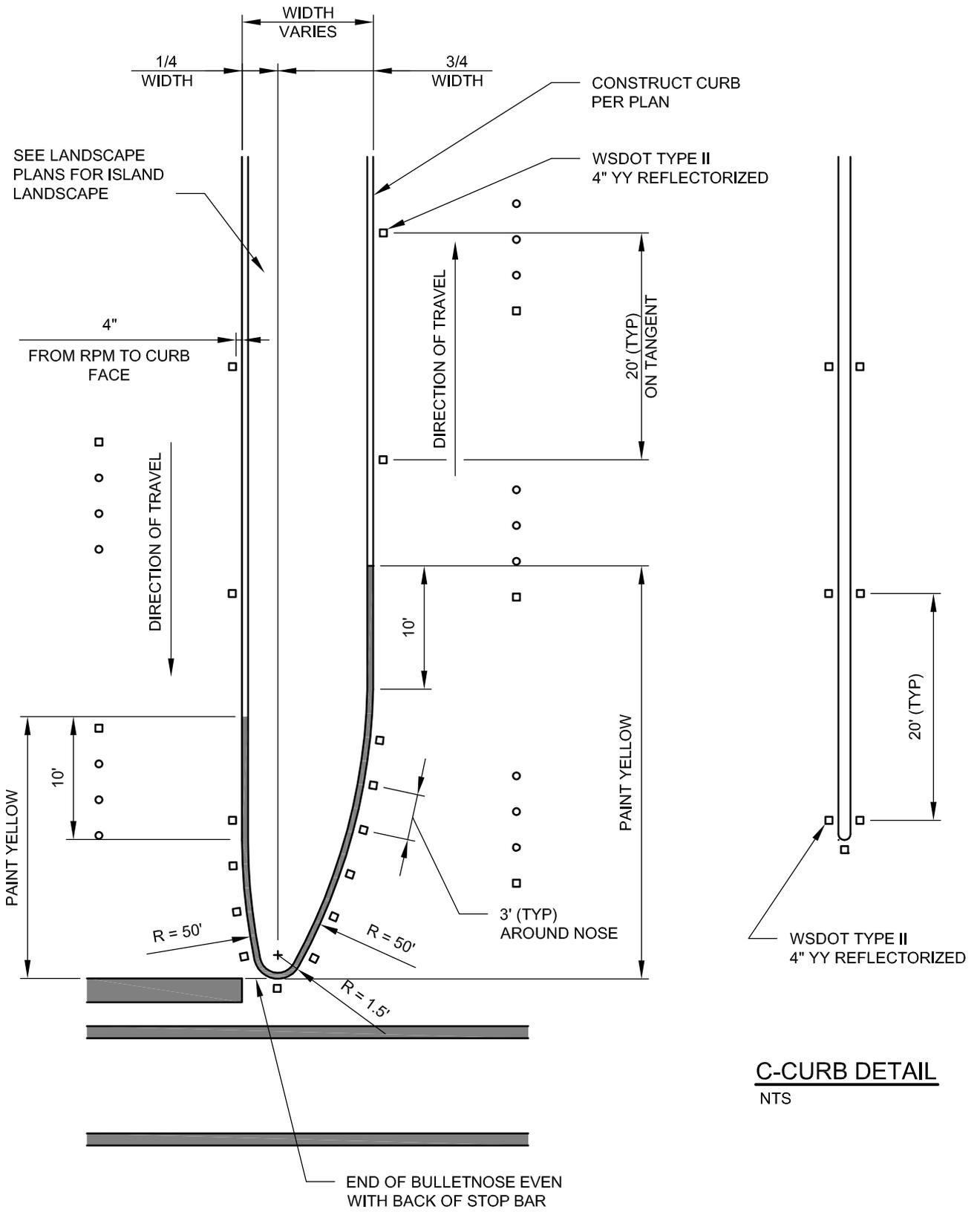


STANDARD DETAILS

SPEED TABLE (2 OF 2)

FILE NAME: SD428.DWG

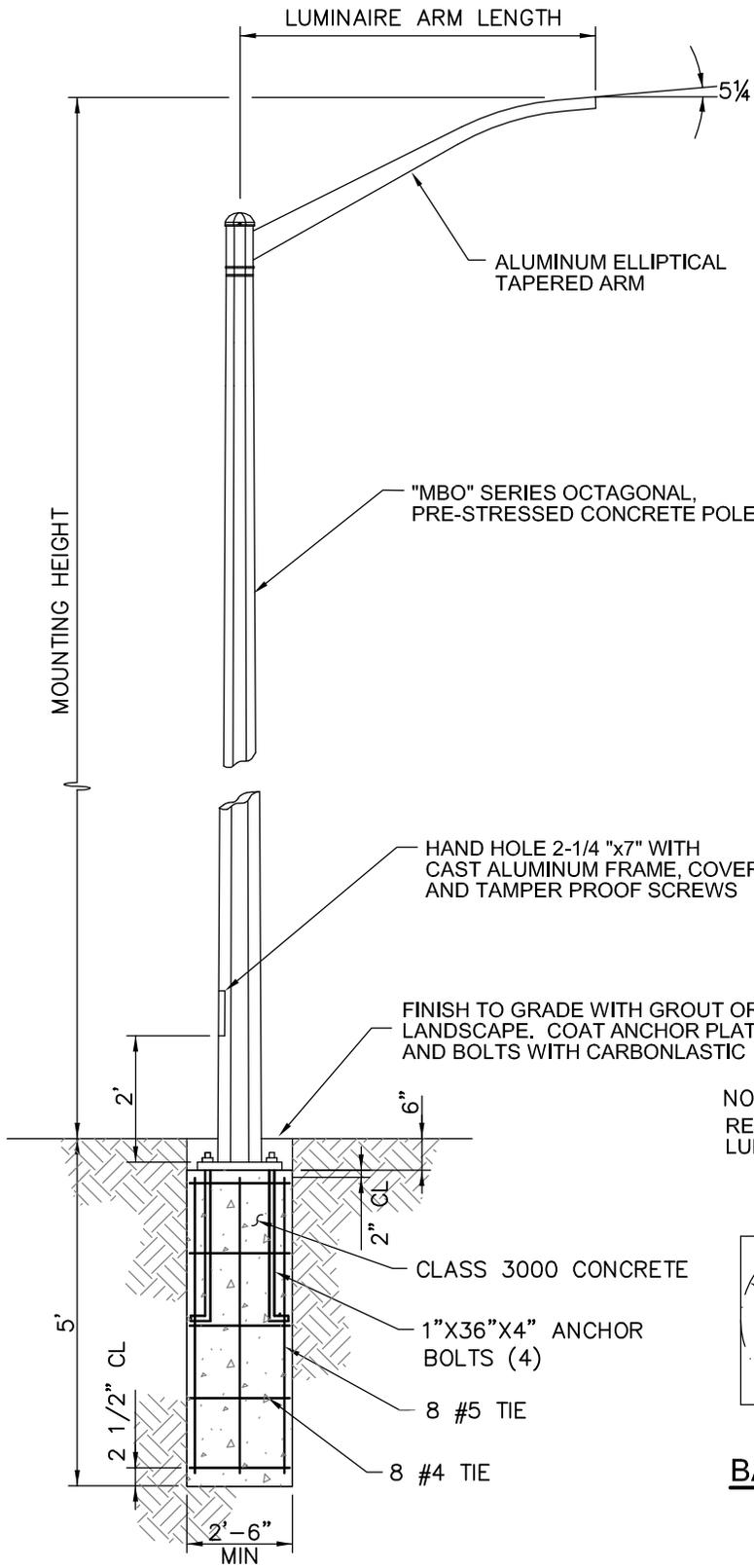
DETAIL NUMBER: **428**



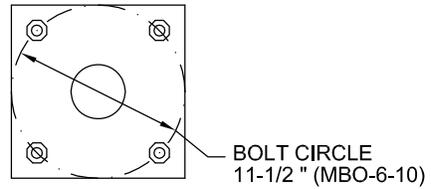
OFFSET BULLETNOSE DETAIL
NTS

C-CURB DETAIL
NTS

CITY OF REDMOND, WASHINGTON			STANDARD DETAILS	
APPROVED BY: RON GRANT CITY ENGINEER			BULLETNOSE AND C-CURB DETAIL	
REVISION DATE: MARCH 01, 2010			FILE NAME: SD429.DWG	DETAIL NUMBER: 429

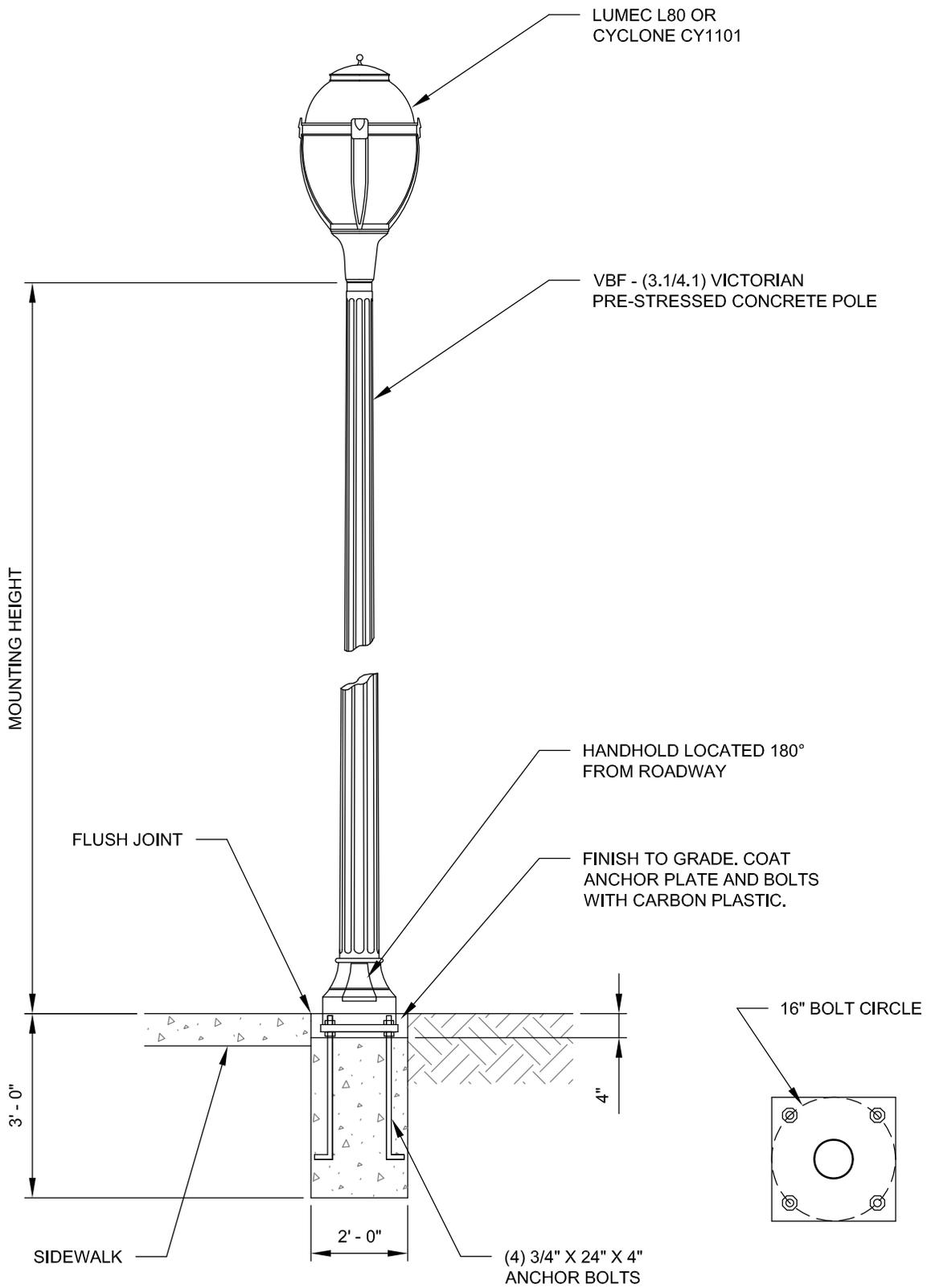


NOTE:
REFER TO REDMOND DETAIL 421 FOR
LUMINAIRE WIRING AND J-BOX.



BASE PLATE

CITY OF REDMOND, WASHINGTON			STANDARD DETAILS		
APPROVED BY: RON GRANT CITY ENGINEER			CONCRETE OCTAGONAL POLE		
REVISION DATE: MARCH 01, 2011			FILE NAME: SD430.DWG	DETAIL NUMBER: 430	



ELEVATION
NTS

BASE PLATE
NTS

CITY OF REDMOND, WASHINGTON			STANDARD DETAILS	
APPROVED BY: RON GRANT CITY ENGINEER			PEDESTRIAN SCALE POLE	
REVISION DATE: MARCH 01, 2010			FILE NAME: SD430B.DWG	DETAIL NUMBER: 430B

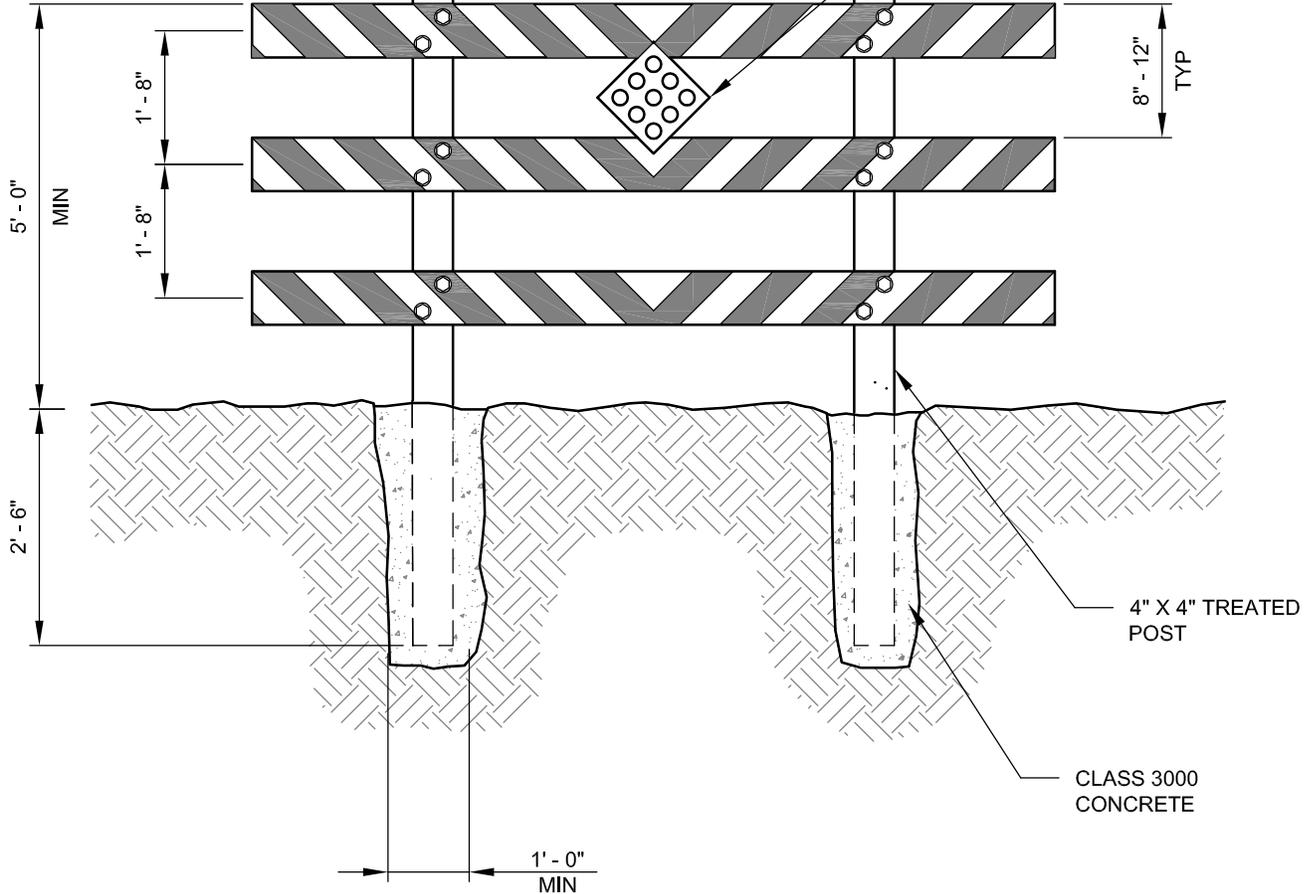
SIGN VERBIAGE AS DIRECTED
BY THE CITY ENGINEER

36" X 24" MIN
ENGINEERING
GRADE

**THIS ROAD TO BE
EXTENDED IN FUTURE**
CALL 425-556-2854 FOR ADDITIONAL INFORMATION

2' - 0"
(TYP)

18" X 18" RED
REFLECTOR SIGN
WITH (9) NINE 3-1/4"
REFLECTORS



TYPE 3 BARRICADE

NTS

NOTES:

1. STRIPES SHALL BE RED ON WHITE DIAMOND GRADE REFLECTORIZED TAPE.
2. USE WSDOT STANDARD DETAIL PLAN K-80.20.00 FOR TEMPORARY TYPE III BARRICADE.
3. ALL SIGNS ATTACHED TO BARRICADE WITH GALVANIZED WOOD SCREWS.

CITY OF REDMOND, WASHINGTON

APPROVED BY: RON GRANT
CITY ENGINEER

REVISION DATE: MARCH 01, 2011

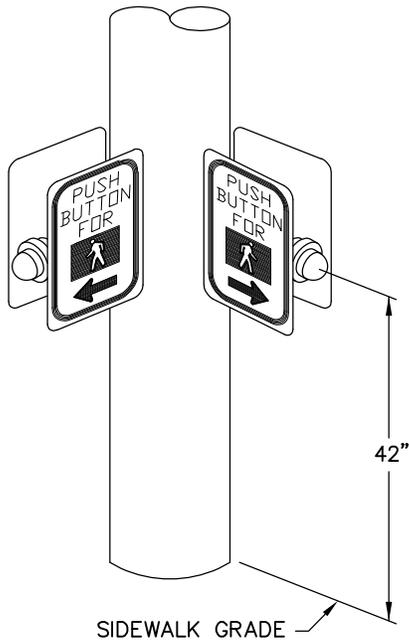


STANDARD DETAILS

**TYPE 3
BARRICADE**

FILE NAME: SD431.DWG

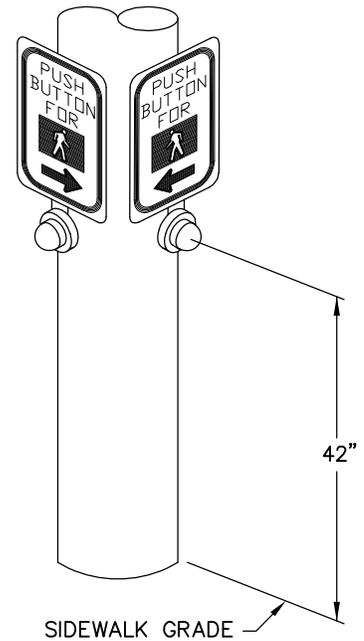
DETAIL NUMBER: **431**



SIDEWALK GRADE

STYLE H-1

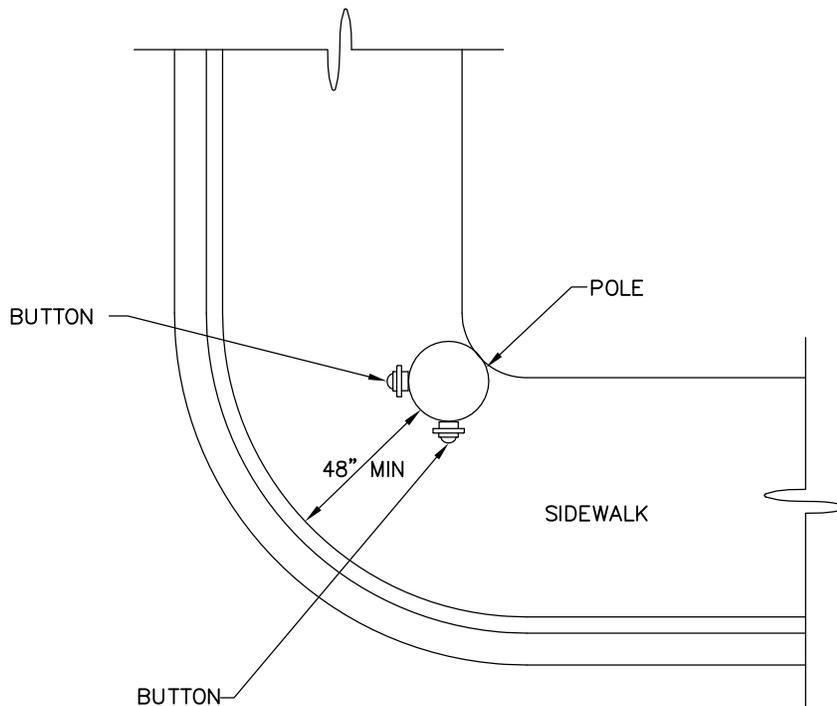
NTS



SIDEWALK GRADE

STYLE ADA

NTS



PLAN VIEW

NTS

NOTES:

1. PEDESTRIAN PUSH-BUTTON SHALL BE TYPE H-1 OR AS SPECIFIED IN THE PLANS.
2. SEE REDMOND SIGNAL STANDARDS MANUAL FOR POLE PLACEMENT LOCATION RELATIVE TO WHEELCHAIR RAMPS

CITY OF REDMOND, WASHINGTON

APPROVED BY: RON GRANT
CITY ENGINEER

REVISION DATE: MARCH 01, 2011

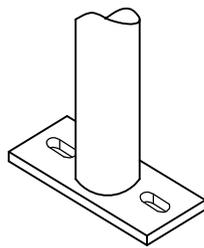
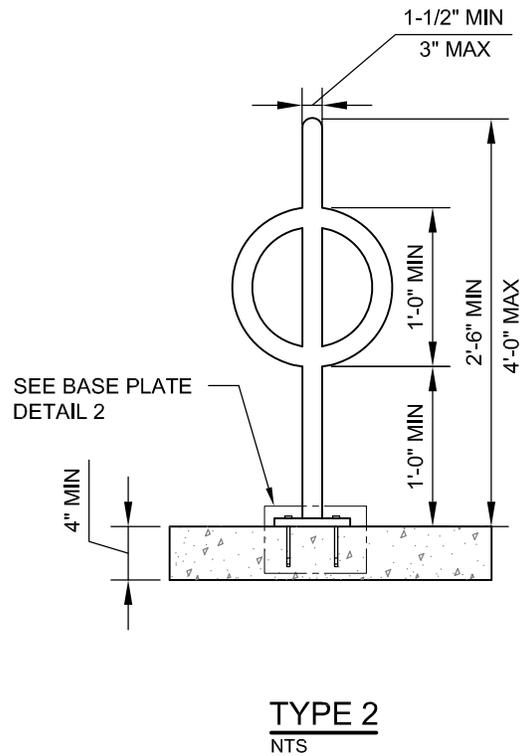
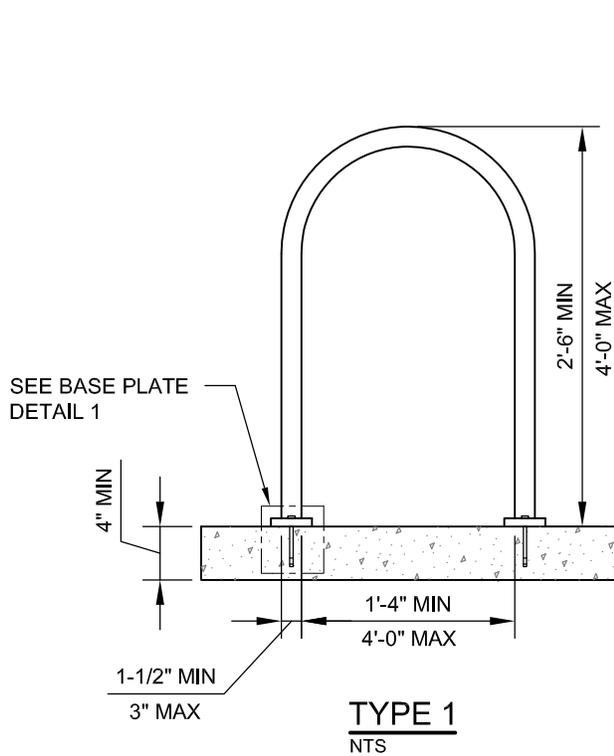


STANDARD DETAILS

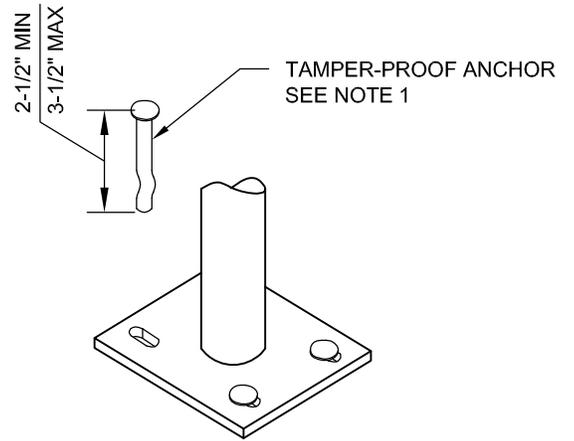
**PEDESTRIAN PUSH BOTTON
ORIENTATION**

FILE NAME: SD453.DWG

DETAIL NUMBER: **453**



BASE PLATE DETAIL 1
NTS

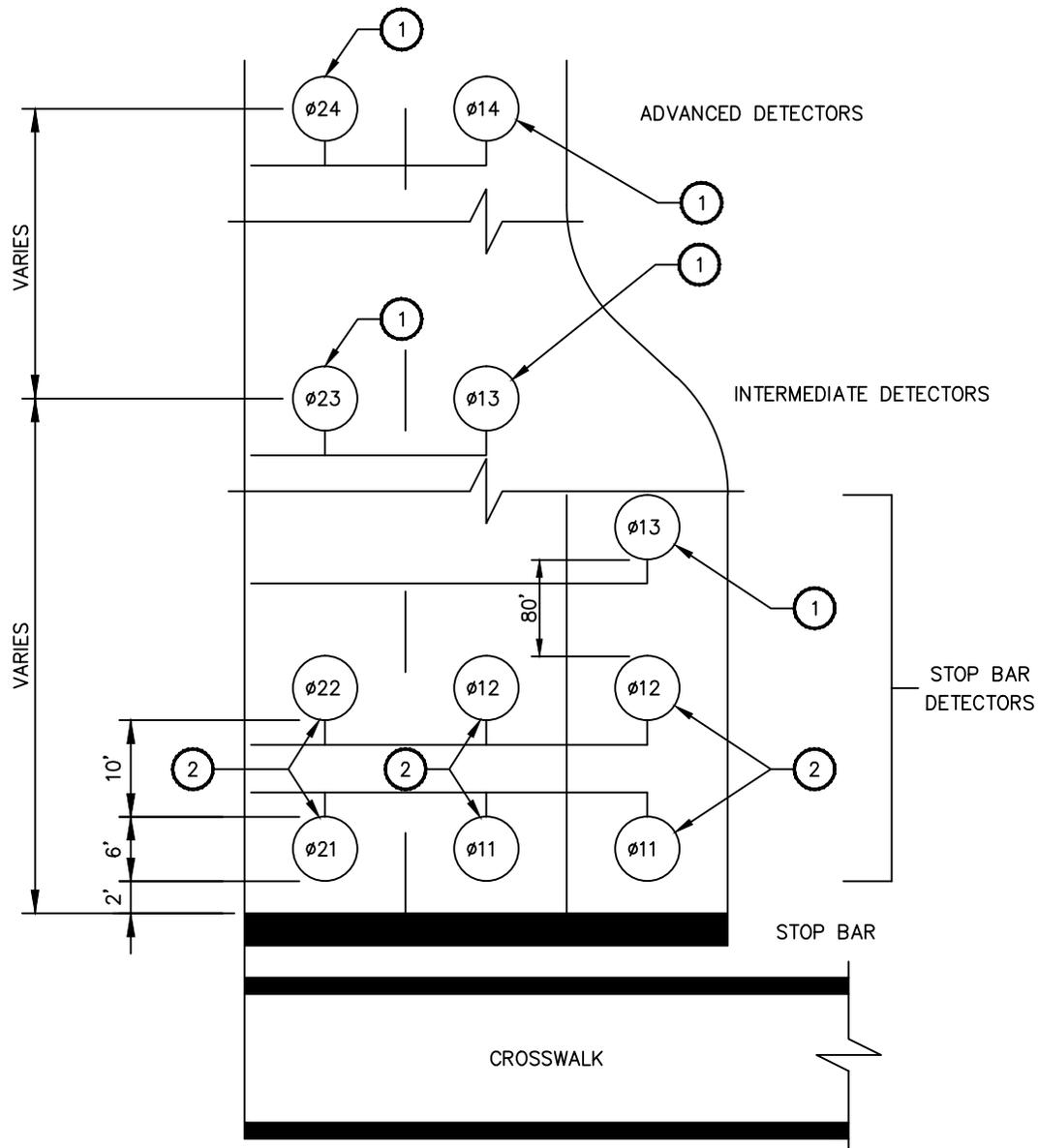


BASE PLATE DETAIL 2
NTS

NOTES:

1. SECURE RACKS TO CONCRETE WITH TAMPER-PROOF ANCHORS AS PROVIDED BY VENDOR, OR CONCRETE SPIKES. ANCHOR HEAD WILL BE SIZED TO SECURED RACK AND BETWEEN 2-1/2" AND 3-1/2" LONG.
2. THE HOLES HAVE TO BE AT LEAST 6" AWAY FROM ANY CRACKS IN THE BASE MATERIAL.
3. OTHER BICYCLE RACKS MAY BE APPROVED BY THE TRANSPORTATION ENGINEER.

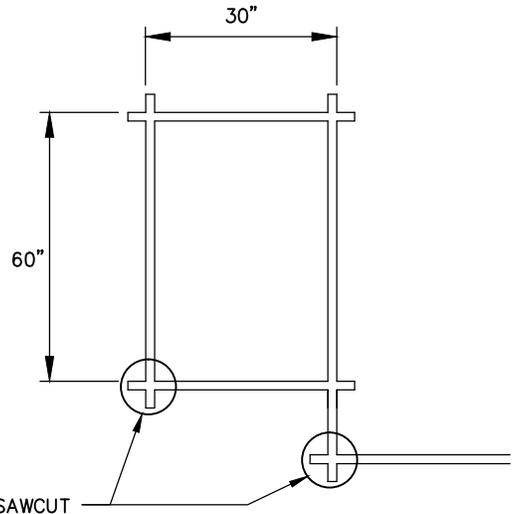
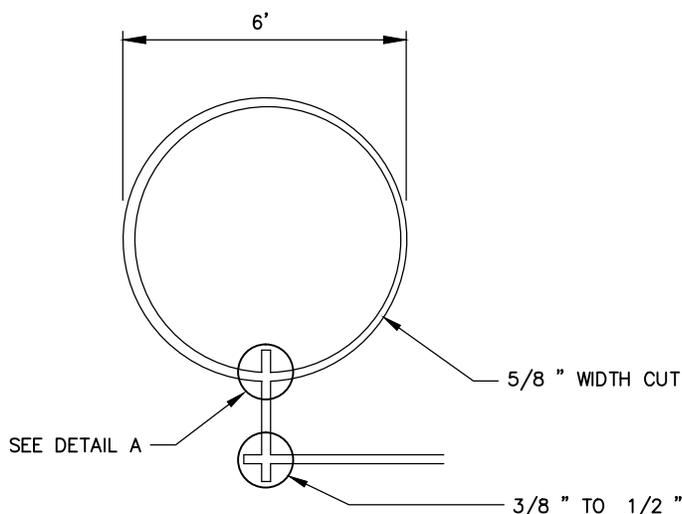
CITY OF REDMOND, WASHINGTON			STANDARD DETAILS	
APPROVED BY: RON GRANT CITY ENGINEER			APPROVED BICYCLE RACKS	
REVISION DATE: MARCH 01, 2011		City of Redmond WASHINGTON	FILE NAME: SD454.DWG	DETAIL NUMBER: 454



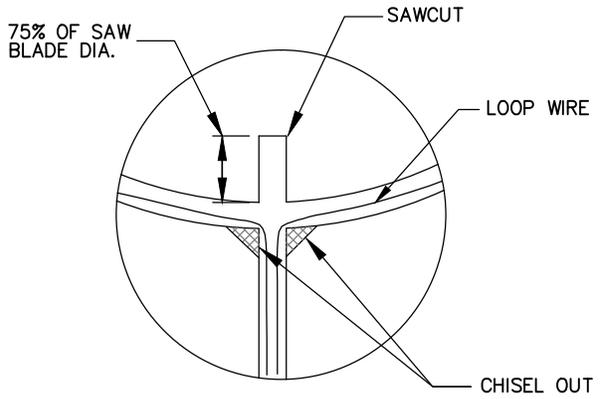
NOTES:

- ① SPLICE INDIVIDUAL LEADS TO SHIELDED, TWISTED CONDUCTOR PAIR IN ADJACENT JUNCTION BOX.
- ② CONNECT DETECTOR LEADS IN SERIES AND SPLICE TO SHIELDED, TWISTED CONDUCTOR PAIR IN ADJACENT JUNCTION BOX.
- 3. LOOPS TO BE CENTERED IN LANES.
- 4. ø CORRESPONDS TO THE PHASE NUMBER AS SHOWN ON THE SIGNAL DESIGN.
- 5. SEE STANDARD DETAIL 455, 456 AND WSDOT STANDARD PLAN J-50 FOR LOOP CONSTRUCTION DETAILS. SEE STANDARD DETAIL 311A AND 311B FOR CROSSWALK AND STOP LINE DETAILS.
- 6. FINAL LOOP LOCATION TO BE APPROVED BY TRAFFIC ENGINEER

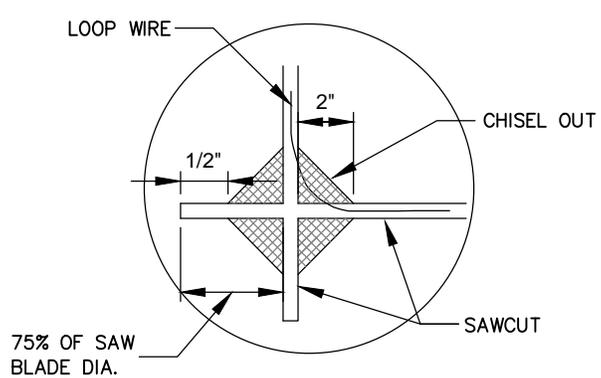
CITY OF REDMOND, WASHINGTON			STANDARD DETAILS	
APPROVED BY: RON GRANT CITY ENGINEER			LOOP DETECTOR NUMBERING AND SPACING	
REVISION DATE: MARCH 01, 2012			FILE NAME: SD454A.DWG	DETAIL NUMBER: 454A



SEE DETAIL B



DETAIL A
NTS

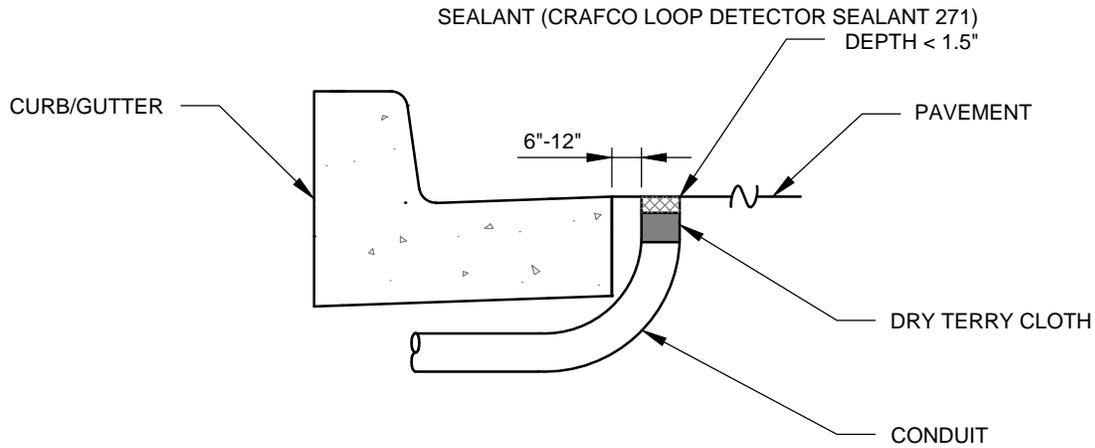


DETAIL B
NTS

NOTES:

1. DEPTH OF SAWCUT SHALL BE 2.5" UNLESS SPECIFIED OTHERWISE (2.75" AT PAVEMENT JOINTS)
2. ALL AREAS WHERE LOOP WIRES ARE TO PLACED SHALL HAVE A UNIFORM DEPTH AND SMOOTHNESS.
3. LOOP SEALANT SHALL BE CRAFCO MSI 34271. APPLY PER MANUFACTURERS RECOMMENDATIONS.
4. LOOPS SHALL HAVE 3 TURNS OF WIRE FOR HOME RUNS LESS THAN 400', AND 4 TURNS OF WIRE FOR HOME RUNS GREATER THAN 400'.
5. BICYCLE LOOPS HAS 5 TURNS OF WIRE.
6. SAWCUT SHALL BE CONSTRUCTED TO MINIMIZE NUMBER OF BENDS BETWEEN LOOPS AND THE ADJACENT JUNCTION BOX.

CITY OF REDMOND, WASHINGTON			STANDARD DETAILS	
APPROVED BY: RON GRANT CITY ENGINEER			LOOP DETECTOR SAWCUT	
REVISION DATE: MARCH 01, 2012			FILE NAME: SD455.DWG	DETAIL NUMBER: 455

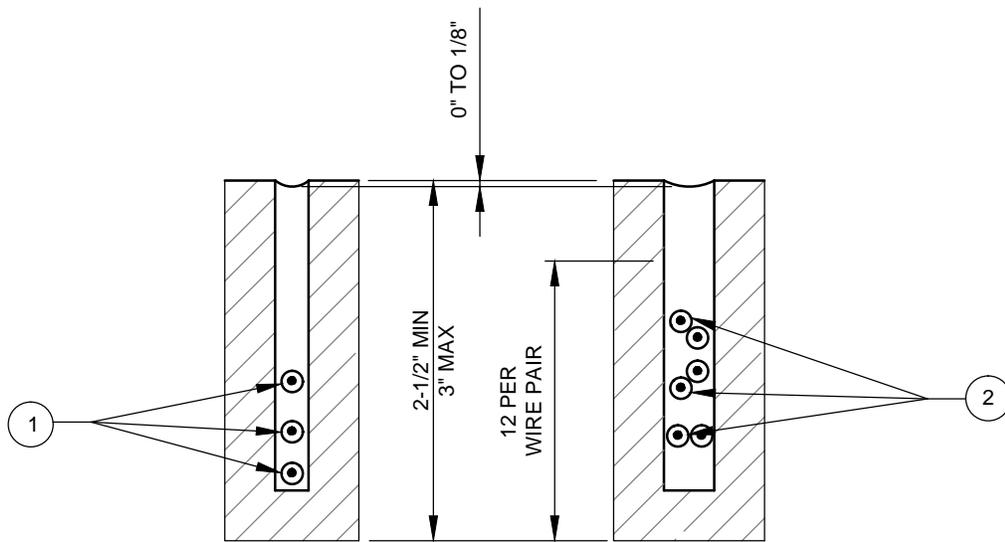


CONDUIT UNDER CURB

NTS

NOTE:

HOLES > 3-1/2" DIA. REQUIRE AN ASPHALT PATCH.
 ASPHALT SHALL BE HMA FOR PAVEMENT REPAIR.



1/4" LEAD-IN SAWCUT

NTS

1/2" LEAD-IN SAWCUT

NTS

CROSS-SECTION OF SAWCUTS

NTS

NOTES:

- ① LOOP WIRE - NUMBER VARIES. (SEE LOOP WINDING DETAILS)
- ② LEAD - IN WIRES: ONE PAIR FOR EACH LOOP SERVED. THREE PAIRS MAXIMUM PER SAWCUT.
3. EXTEND SAWCUT SUFFICIENT LENGTH TO PROVIDE FULL DEPTH AROUND CORNER.
4. STOP BAR DETECTION STUB-OUT TYPICALLY 13 FEET FROM STOP LINE.

CITY OF REDMOND, WASHINGTON

APPROVED BY: RON GRANT
 CITY ENGINEER

REVISION DATE: MARCH 01, 2012

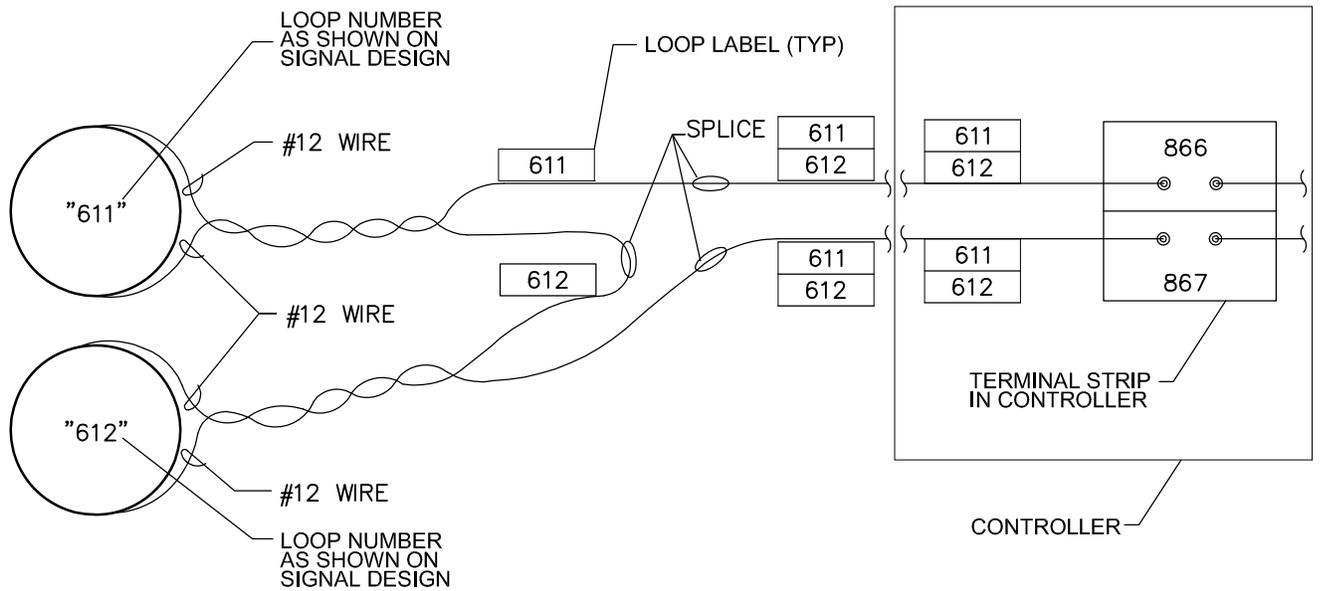


STANDARD DETAILS

**SAWCUT AND CONDUIT
 UNDER CURB**

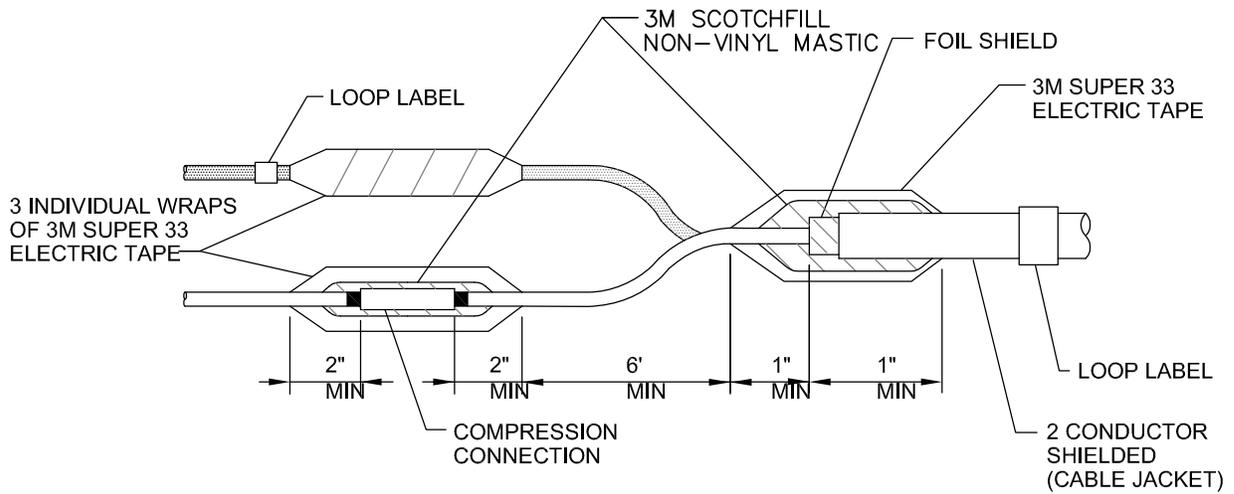
FILE NAME: SD456.DWG

DETAIL NUMBER: 456



LOOP WIRE LABELLING DETAIL

NTS



LOOP SPLICE DETAIL

NTS

CITY OF REDMOND, WASHINGTON

APPROVED BY: RON GRANT
CITY ENGINEER

REVISION DATE: MARCH 01, 2011



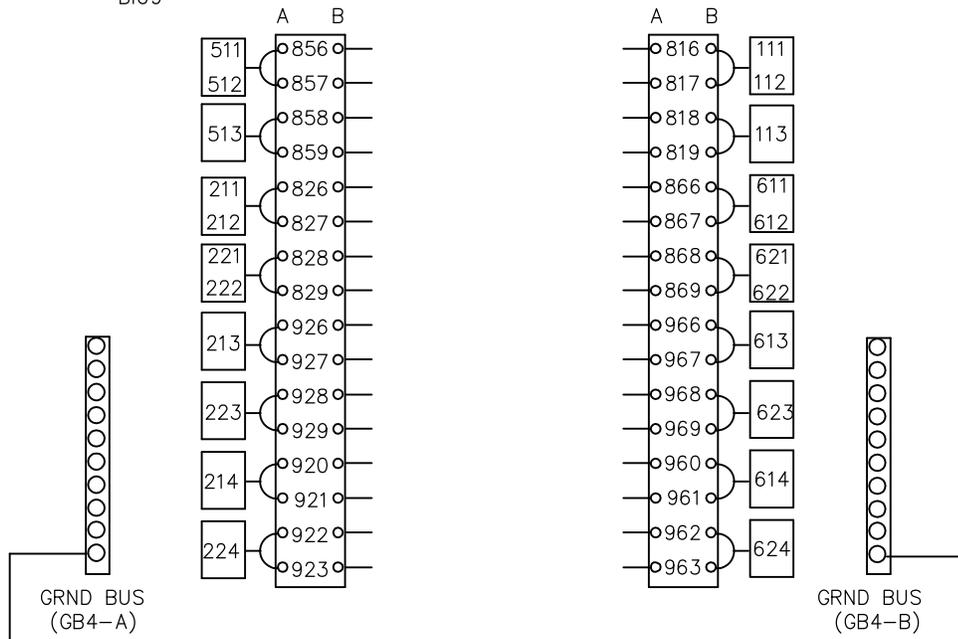
STANDARD DETAILS

LOOP DETECTOR SPLICE AND WIRING LABEL

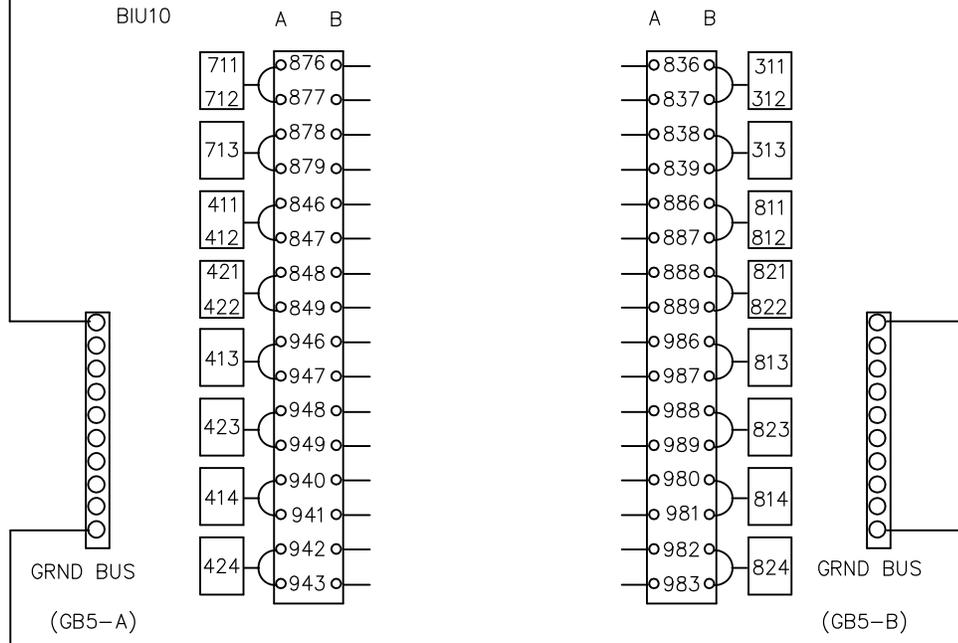
FILE NAME: SD457.DWG

DETAIL NUMBER: **457**

BIU9



BIU10



CITY OF REDMOND, WASHINGTON

APPROVED BY: RON GRANT
CITY ENGINEER

REVISION DATE: MARCH 01, 2011

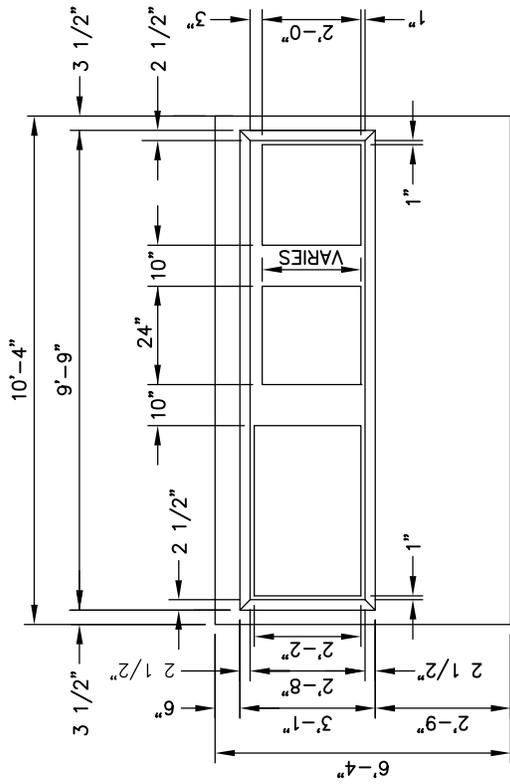
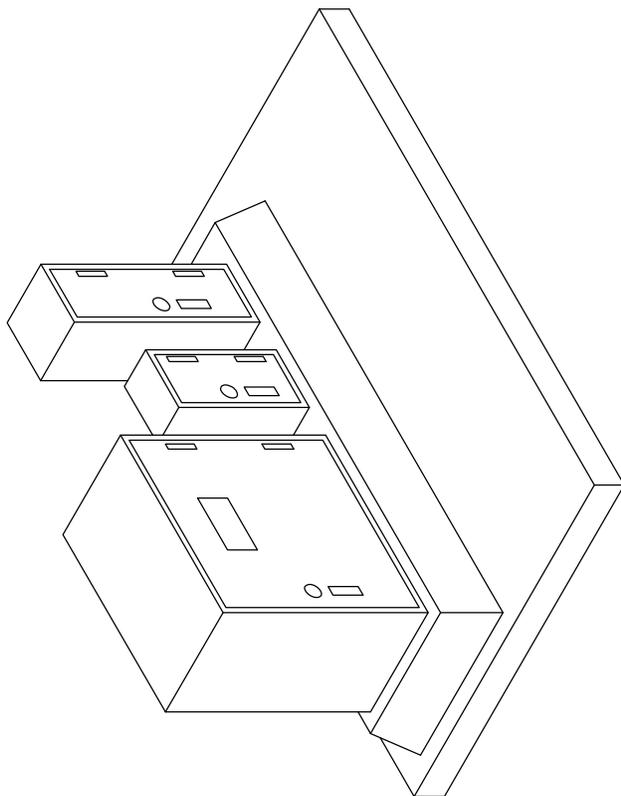


STANDARD DETAILS

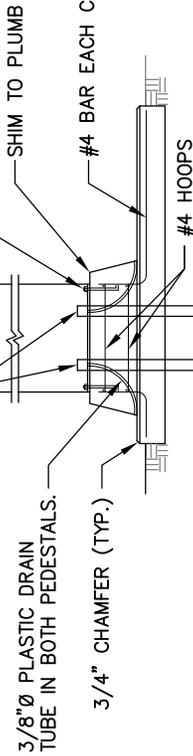
LOOP TERMINAL STRIP

FILE NAME: SD458.DWG

DETAIL NUMBER: **458**



ALL CONDUIT TO CLEAR LOWER BRACE OF CABINET BY 1/2" MIN. AND BE LOCATED IN FRONT (TOWARDS DOOR) HALF OF BASE



NOTES:

1. CABINET FOUNDATION SHALL BE CLASS 3000 AIR ENTRAINED CONCRETE.
2. WHERE CABINET FOUNDATION IS LOCATED ADJACENT TO A SIDEWALK, CONSTRUCT THE TOP FLUSH WITH SIDEWALK GRADE; OMITTING CHAMFER WHERE TOP AND SIDEWALK ABUT.
3. FOUNDATION DESIGN IS TYPICAL, CONTRACTOR SHALL UTILIZE CABINET MANUFACTURER'S SPECIFICATIONS TO ASSURE PROPER FIT OF CABINET ON BASE WITH RESPECT TO CONDUIT PLACEMENT. ENGINEER MUST APPROVE FORM WORK BEFORE PLACEMENT OF CONCRETE.
4. EXPANSION ANCHOR BOLTS (KWIK-BOLT, WEJ-IT, OR EQUAL) MAY BE USED TO FIT CABINETS TO EXISTING FOUNDATION.
5. SILICON SEAL SHALL BE PLACED BETWEEN CABINET AND BASE.
6. SEE PLANS FOR DOOR ORIENTATION.
7. A SPARE 3"Ø CONDUIT SHALL BE INSTALLED FROM CONTROLLER CABINET TO NEAREST J-BOX.
8. A 1"Ø CONDUIT SHALL BE INSTALLED UNDER SERVICE CABINET FOR GROUND.
9. IF UPS CABINET NOT PART OF PROJECT, INSTALL CITY FURNISHED CAP FOR EXPOSED CONDUITS.

CITY OF REDMOND, WASHINGTON

APPROVED BY: RON GRANT
CITY ENGINEER

REVISION DATE: MARCH 01, 2011

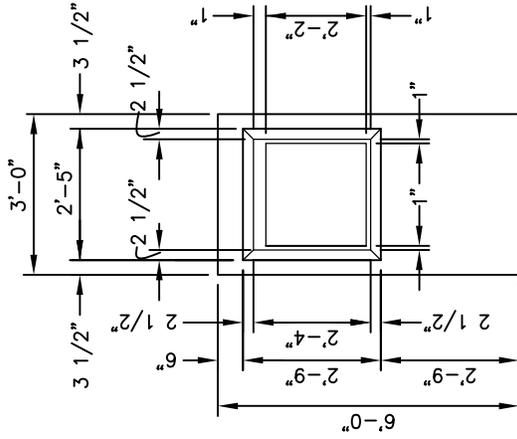
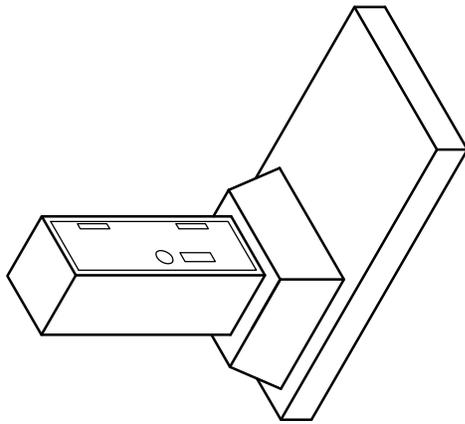


STANDARD DETAILS

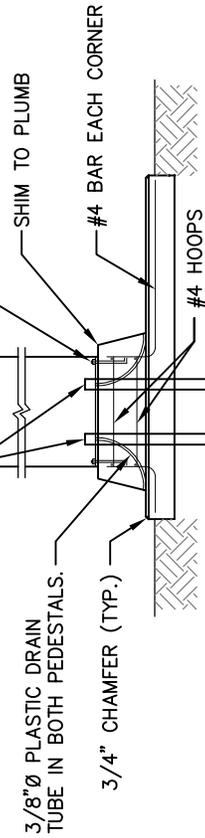
CABINET FOUNDATION

FILE NAME: SD459A.DWG

DETAIL NUMBER: **459A**



ALL CONDUIT TO CLEAR LOWER BRACE OF CABINET BY 1/2" MIN. AND BE LOCATED IN FRONT (TOWARDS DOOR) HALF OF BASE.



NOTES:

1. CABINET FOUNDATION SHALL BE CLASS 3000 AIR ENTRAINED CONCRETE.
2. WHERE CABINET FOUNDATION IS LOCATED ADJACENT TO A SIDEWALK, CONSTRUCT THE TOP FLUSH WITH SIDEWALK GRADE, OMITTING CHAMFER WHERE TOP AND SIDEWALK ABUT.
3. FOUNDATION DESIGN IS TYPICAL, CONTRACTOR SHALL UTILIZE CABINET MANUFACTURER'S SPECIFICATIONS TO ASSURE PROPER FIT OF CABINET ON BASE WITH RESPECT TO CONDUIT PLACEMENT. INSPECTOR MUST APPROVE FORM WORK BEFORE PLACEMENT OF CONCRETE.
4. EXPANSION ANCHOR BOLTS (KWIK-BOLT, WEJ-IT, OR EQUAL) MAY BE USED TO FIT CABINETS TO EXISTING FOUNDATION.
5. SILICON SEAL SHALL BE PLACED BETWEEN CABINET AND BASE.
6. SEE PLANS FOR DOOR ORIENTATION.
7. A SPARE 3"Ø CONDUIT SHALL BE INSTALLED FROM CONTROLLER CABINET TO NEAREST J-BOX.
8. A 1"Ø CONDUIT SHALL BE INSTALLED UNDER SERVICE CABINET FOR GROUND.

CITY OF REDMOND, WASHINGTON

APPROVED BY: RON GRANT
CITY ENGINEER

REVISION DATE: MARCH 01, 2010

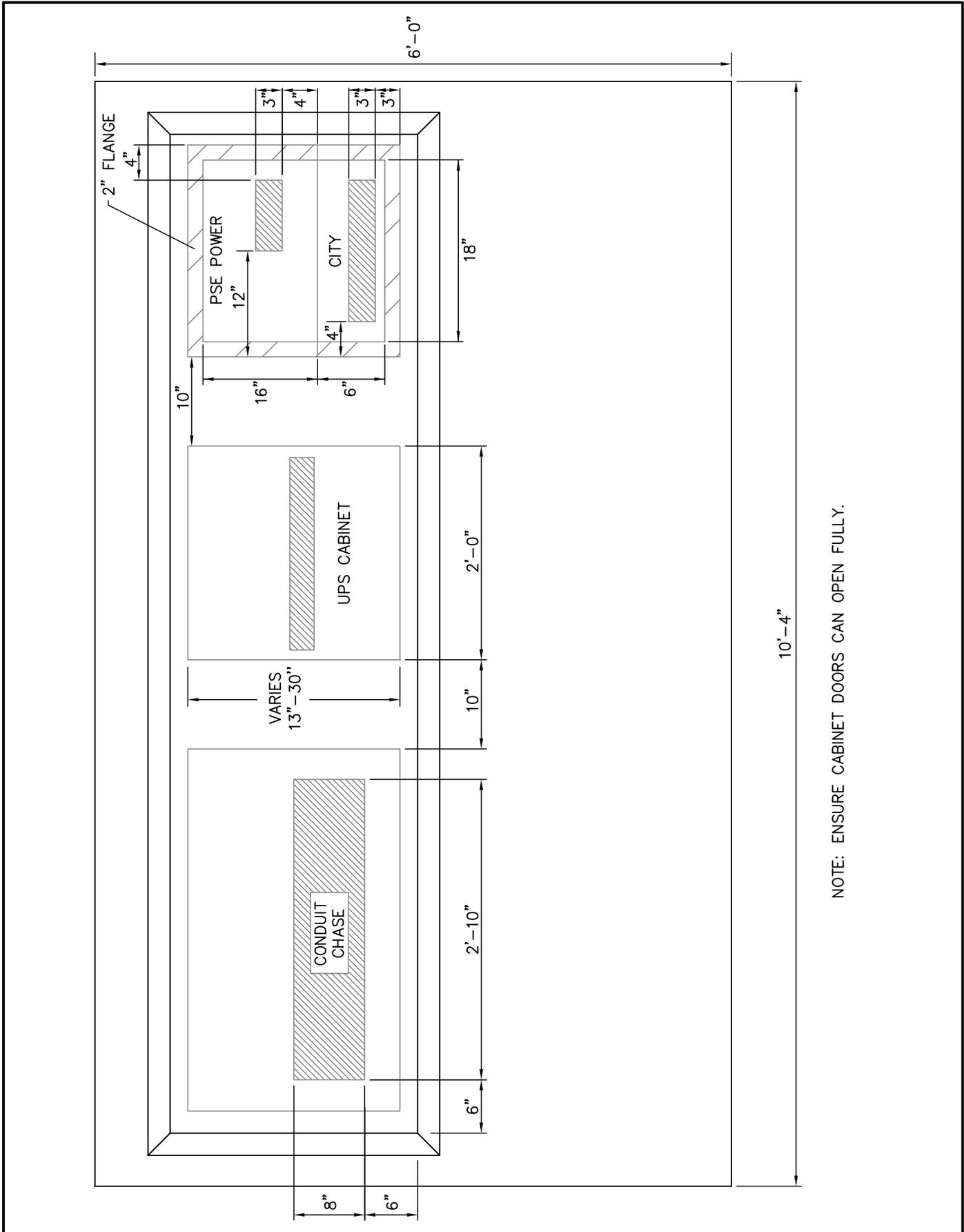


STANDARD DETAILS

**SERVICE CABINET
FOUNDATION**

FILE NAME: SD459C.DWG

DETAIL NUMBER: **459C**



CITY OF REDMOND, WASHINGTON

APPROVED BY: RON GRANT
CITY ENGINEER

REVISION DATE: JUNE 01, 2013



STANDARD DETAILS

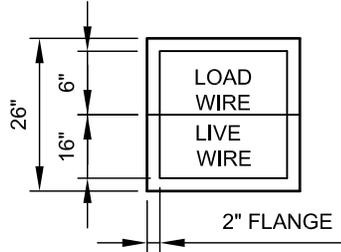
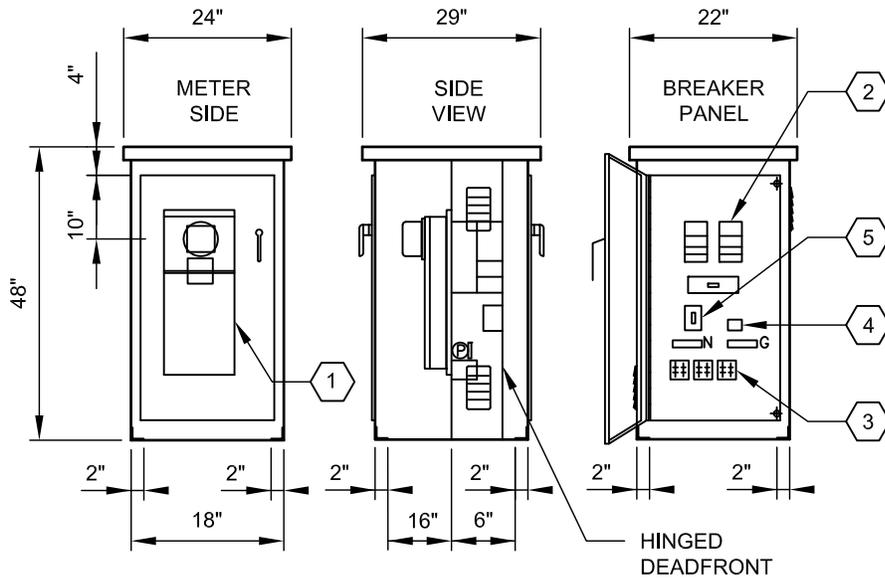
**CONTROLLER AND SERVICE
CABINET FOOTPRINT**

FILE NAME: SD460.DWG DETAIL NUMBER: **460**

COMPONENT SCHEDULE

- ① METERBASE: 200 AMP, 4 JAW, AW NO. 124TB SAFETY SOCKET, WITH 5TH JAW AT 9:00 POSITION (CONTRACTOR TO VERIFY WITH SERVING UTILITY)
- ② PANELBOARD: 120/240 VAC, 200 AMP. 1 PHASE, 3 WIRE. COPPER BUS
 MAIN BREAKER: 125 AMP, 2 POLE, CUTLER HAMMER NO. ED2125
 CUTLER HAMMER TYPE BAB BOLT-ON BRANCH BREAKERS:
 3-15/2 ILLUMINATION BRANCH
 1-50/1 SIGNAL BRANCH
 1-15/1 CONTROL CKT BRANCH
- ③ CONTRACTOR: 30 A LIGHTING RATED, 2 POLE, 120 VAC COIL
 1-REQUIRED PER ILLUMINATION CKT
- ④ TERMINAL BLOCK TO REMOTE PHOTOELECTRIC CELL
- ⑤ PHOTO-CELL BYPASS SWITCH, SPST 15 AMP, 277 VAC

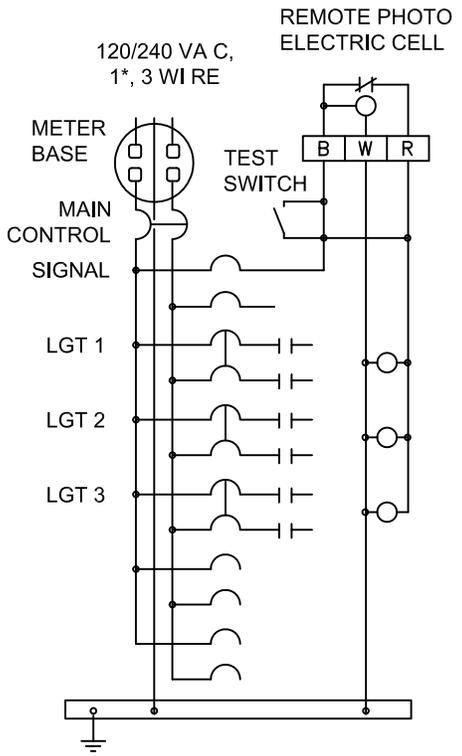
CABINET: NEMA 3R PADMOUNT, NO. 12 GA PREGALVANIZED STEEL CONSTRUCTION
 2 SCREENED AND GASKETED VENTS
 HINGED DEADFRONT WITH 1/4 TURN FASTENERS ON DISTRIBUTION SECTION
 DOORS: HEAVY DUTY CONCEALED HINGES (LIFT-OFF TYPE)
 STAINLESS STEEL VAULT HANDLES
 PADLOCKABLE ON METER DOOR, INTEGRAL "BEST LOCK" ON DISTRIBUTION DOOR
 POLISHED WIRE GLASS WINDOW IN METER DOOR
 CLOSED CELL NEOPRENE GASKET, CARD HOLDER
 FINISH: POLYESTER POWDER COAT, ALUMINUM OUTSIDE, ZINC PRIME, WHITE INSIDE



UL LISTED PER STANDARD #508
 SUITABLE FOR USE AS SERVICE
 ENTRANCE EQUIPMENT

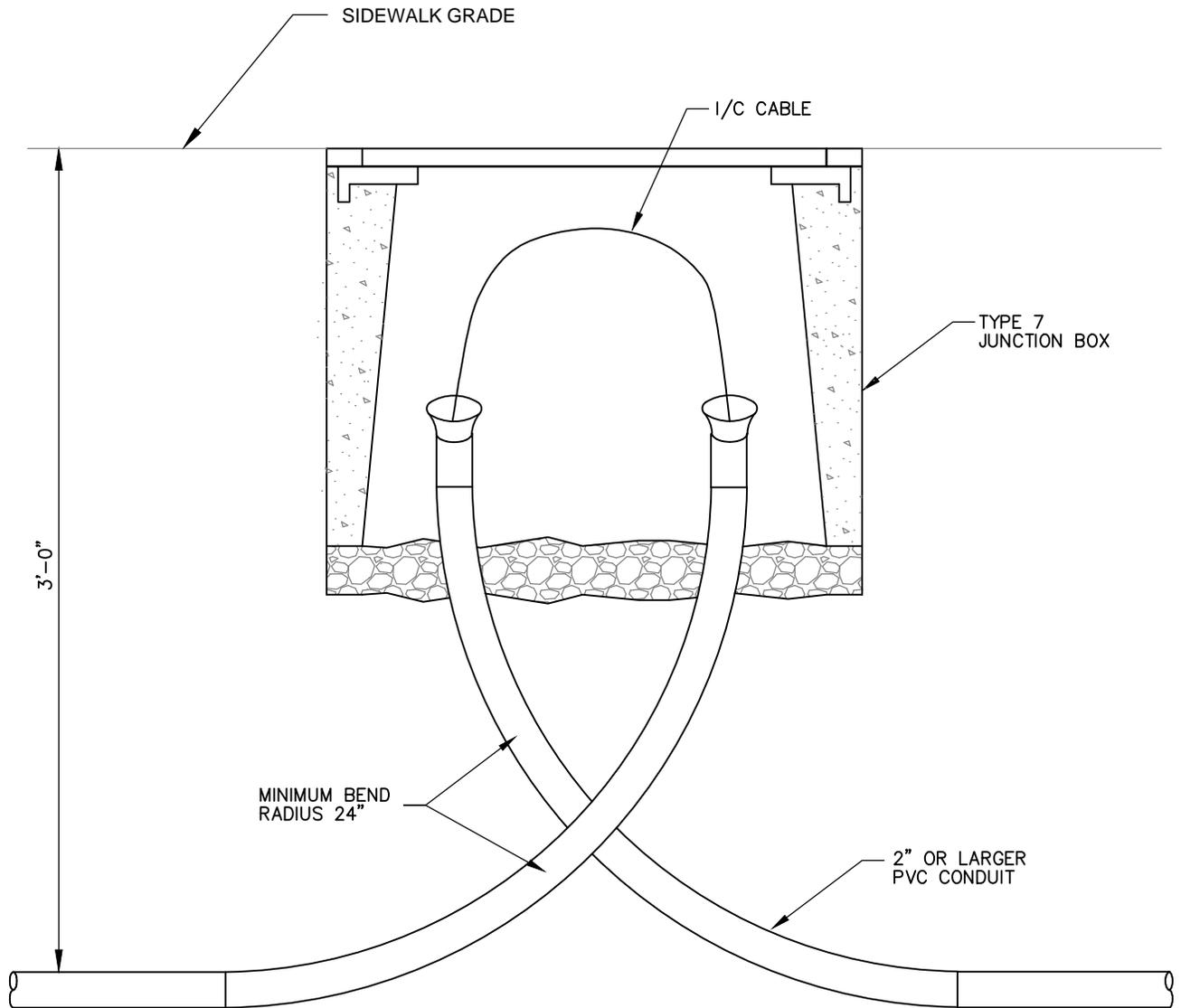
CITY OF REDMOND
 SERVICE CABINET SERIES 47995-R3
 7-25-02 M.E. BELL
 SKYLINE ELECTRIC AND MFG COMPANY

SERVICE CABINET
 NTS



WIRING SCHEMATIC
 NTS

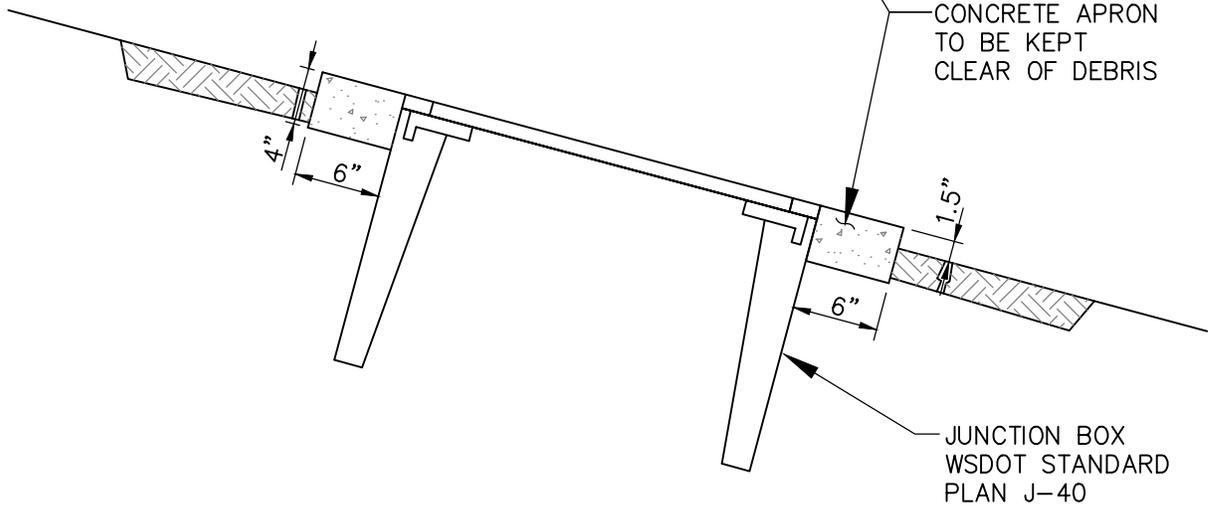
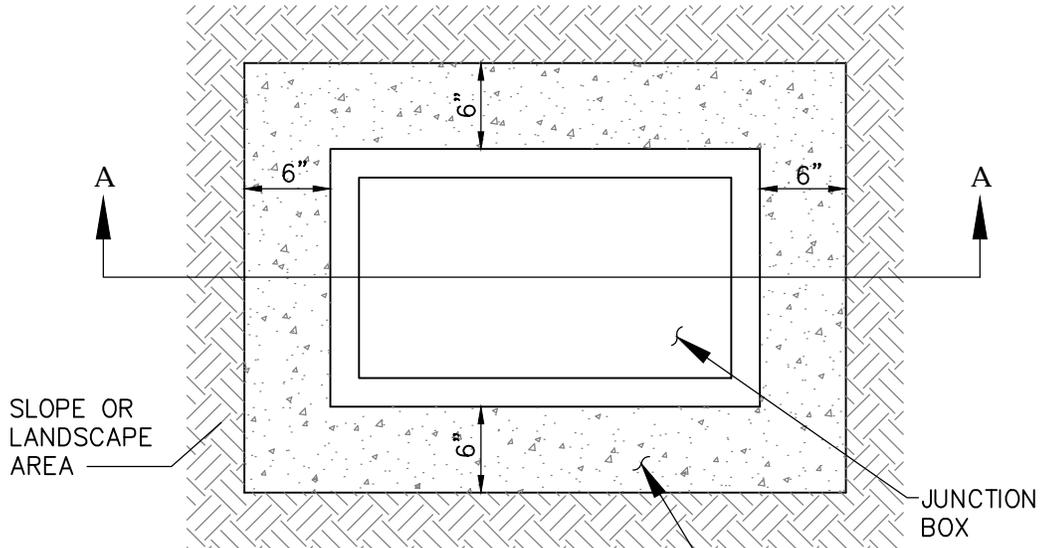
CITY OF REDMOND, WASHINGTON			STANDARD DETAILS	
APPROVED BY: RON GRANT CITY ENGINEER			SERVICE CABINET	
REVISION DATE: JUNE 01, 2013			FILE NAME: SD461.DWG	DETAIL NUMBER: 461



- NOTE:
1. CONDUIT PLACEMENT SHALL FACILITATE 2'-0" MINIMUM CABLE BEND.
 2. STANDARD DETAIL 464 FOR JUNCTION BOX IN SOFT AREAS.

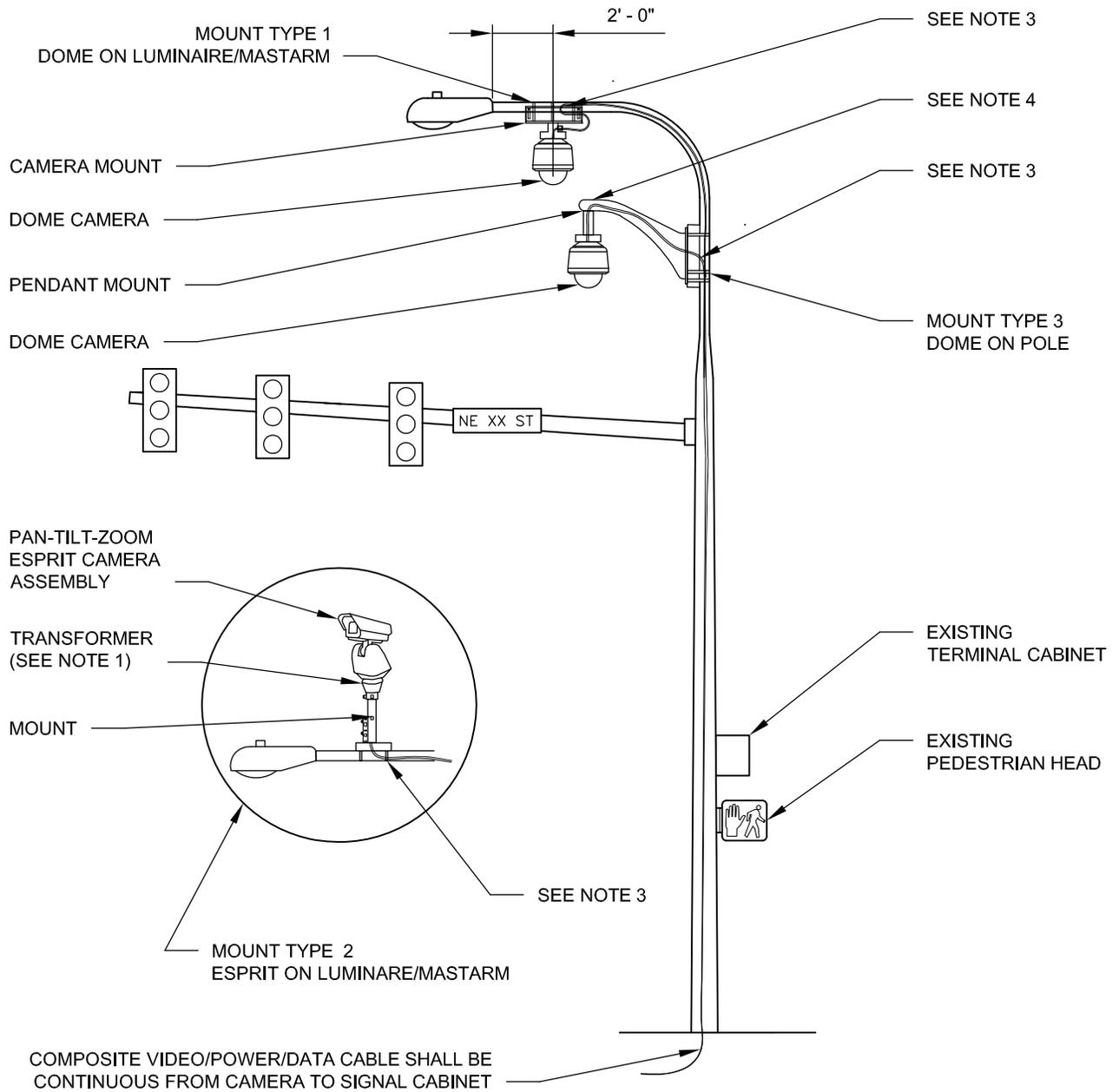
CITY OF REDMOND, WASHINGTON			STANDARD DETAILS	
APPROVED BY: RON GRANT CITY ENGINEER			INTERCONNECT JUNCTION BOX	
REVISION DATE: MARCH 01, 2012			FILE NAME: SD462.DWG	DETAIL NUMBER: 462

JUNCTION BOX ON SLOPE OR LANDSCAPE AREAS



FOR NEW CONSTRUCTION AND MODIFICATION OF EXISTING J-BOX

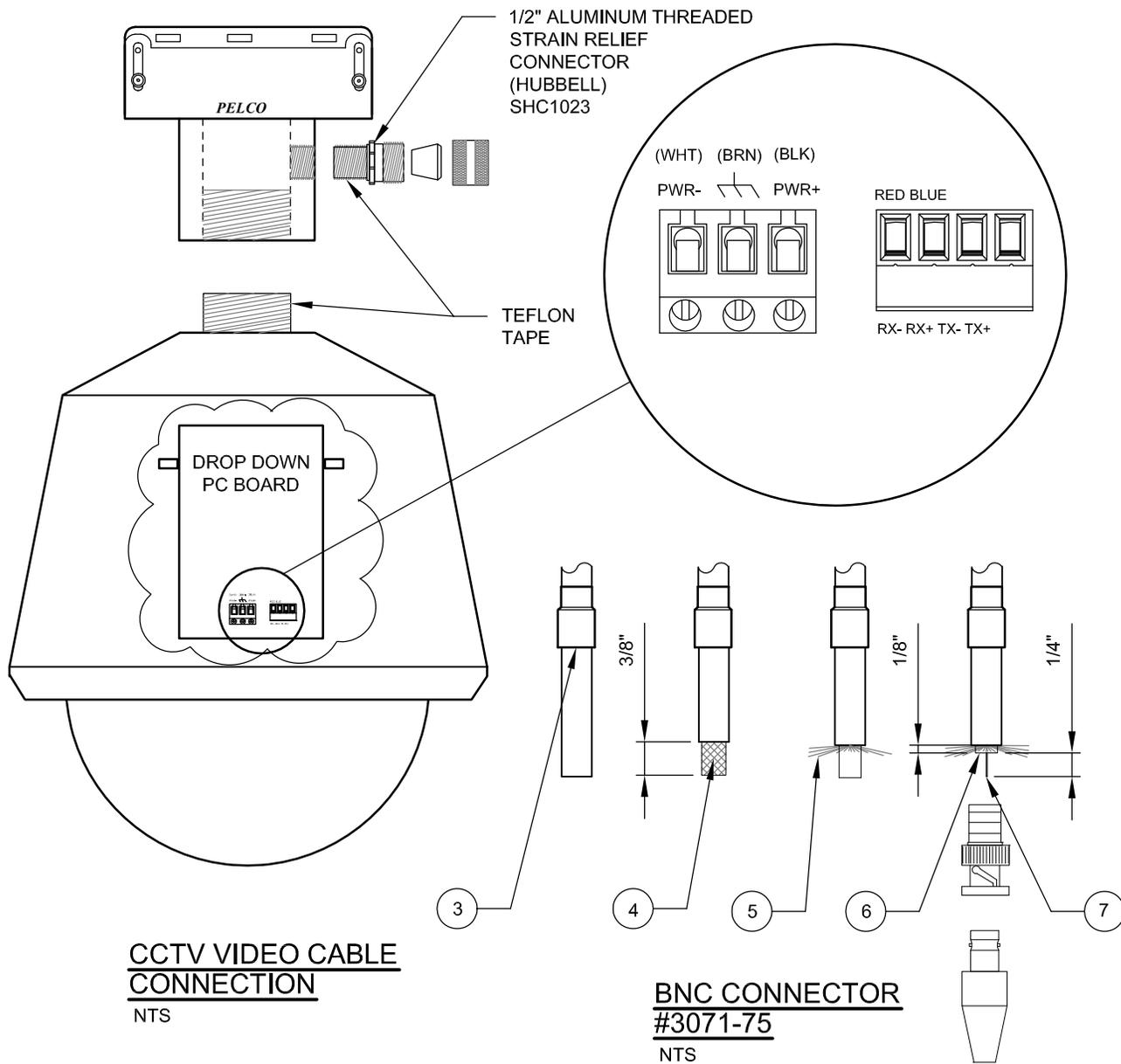
CITY OF REDMOND, WASHINGTON			STANDARD DETAILS
APPROVED BY: RON GRANT CITY ENGINEER			JUNCTION BOX ON SLOPE OR SOFT AREAS
REVISION DATE: MARCH 01, 2012			FILE NAME: SD464.DWG DETAIL NUMBER: 464



NOTES:

1. THE CONTRACTOR SHALL CONNECT THE POWER CONDUCTORS OF THE COMPOSITE CABLE TO THE TRANSFORMER IN THE TRANSFORMER BOX OF THE ESPRIT CAMERA. POWER CONDUCTORS ARE PROVIDED FROM THE TRANSFORMER TO THE CAMERA. THE TRANSFORMER FOR THE DOME CAMERAS WILL BE LOCATED IN THE CONTROLLER CABINET.
2. ATTACH POLE-MOUNTED CAMERAS DIRECTLY BELOW THE BEND IN THE LUMINAIRE ARM OR BELOW THE LUMINAIRE ARM ATTACHMENT POINT IF ONE EXISTS UNLESS OTHERWISE SPECIFIED ON THE PLANS.
3. DRILL 1.0-INCH TAPPED HOLE IN POLE, MAST ARM, OR LUMINAIRE ARM FOR CAMERA CABLE ENTRANCE. INSERT 1.0-INCH ALUMINUM THREADED STRAIN RELIEF TO PROTECT CABLE ENTERING POLE AND PROVIDE WATERTIGHT FIT.
4. THE WIRE ACCESS PANEL ON THE TOP OF THE PENDANT ARM SHALL BE PACKED WITH DUCT SEAL TO BLOCK MOISTURE PENETRATION.

CITY OF REDMOND, WASHINGTON			STANDARD DETAILS	
APPROVED BY: RON GRANT CITY ENGINEER			CCTV CAMERA CABINET MOUNTING	
REVISION DATE: MARCH 01, 2010			FILE NAME: SD465.DWG	DETAIL NUMBER: 465



CCTV VIDEO CABLE CONNECTION
NTS

BNC CONNECTOR #3071-75
NTS

NOTES:

1. INSERT CABLE THROUGH CONNECTOR AND CAMERA HOUSING. LEAVE SUFFICIENT SLACK FOR THE PTZ CONNECTIONS.
2. USE PROPER TOOLS TO STRIP AND CRIMP RG59/U CABLE AND BNC CONNECTOR.
3. INSERT BNC BOOT ON CABLE FIRST.
4. STRIP INSULATION BACK 3/8" EXPOSING COPPER SHIELD.
5. FOLD BACK COPPER SHIELD.
6. CUT OFF DIELECTRIC LEAVING 1/8" FROM COPPER SHIELD.
7. EXPOSE MINIMUM 1/4" OF SOLID COPPER CONDUCTOR.
8. INSERT COPPER WIRE INTO BNC CONNECTOR. FOLD COPPER SHIELD OVER BNC CONNECTOR. MAKE SURE NO COPPER SHIELD CONTACTS CENTER CONDUCTOR.
9. SLIDE BNC BOOT OVER COPPER SHIELD AND BNC CONNECTOR. CRIMP BOOT ONTO THE CONNECTOR AND CABLE.

CITY OF REDMOND, WASHINGTON			STANDARD DETAILS		
APPROVED BY: RON GRANT CITY ENGINEER			CCTV VIDEO CABLE CONNECTION		
REVISION DATE: MARCH 01, 2010			FILE NAME: SD465A.DWG	DETAIL NUMBER: 465A	

RESTORE SURFACE PER APPLICABLE CITY OF REDMOND STANDARDS

8" WIDE CAUTION TAPE

2'-0" MINIMUM
3'-0" REQUIRED FOR FIBER INSTALLATION

1'-0"

1'-0"

PER CITY OF REDMOND STANDARD DETAIL 201, BACKFILL WITHIN PAVED CITY STREETS, DRIVEWAYS AND UNDER CURB GUTTER AND SIDEWALKS, WILL CONSIST OF CONTROL DENSITY FILL (CDF) WITH THE MAXIMUM STRENGTH OF 150 PSI. MIX DESIGN TO BE APPROVED BY THE CITY, OR BACKFILL SHALL BE COMPACTED TO 95% MAXIMUM DENSITY IN 6 INCH MAXIMUM LIFTS

LANDSCAPED AREAS SHALL BE BACKFILLED AND COMPACTED TO 85% MAXIMUM DENSITY IN 12" LIFT

ALL DENSITIES SHALL BE AS DETERMINED BY MODIFIED PROCTOR (ASTM D1557)

#16 OR #18 TRACER WIRE SECURED TO CONDUIT END IN JUNCTION BOX OR VAULT

2"

2"

PULL TAPE

FLEXIBLE INNERDUCT (SEE PLANS FOR SPECIFIC LOCATIONS)

NEW CONDUIT (SEE PLANS FOR SIZE)

SAND

TRENCH RESTORATION

NTS

CITY OF REDMOND, WASHINGTON

APPROVED BY: RON GRANT
CITY ENGINEER

REVISION DATE: MARCH 01, 2011

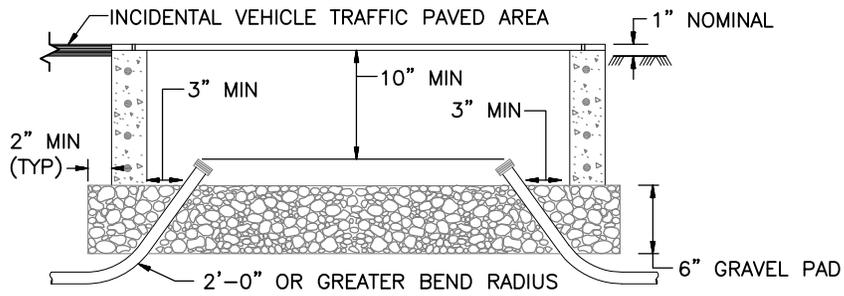


STANDARD DETAILS

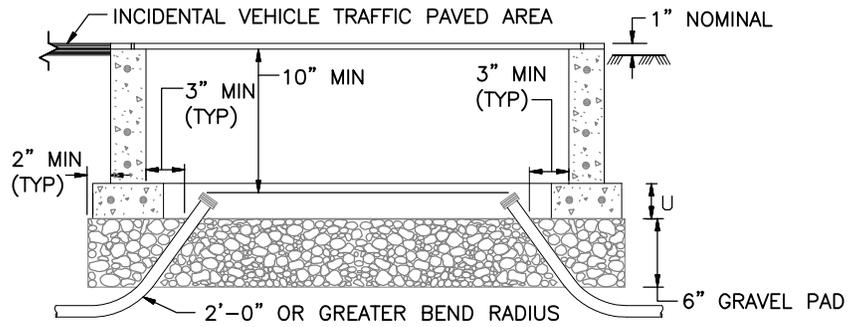
**TRENCH RESTORATION
FOR 1 OR 2 CONDUITS**

FILE NAME: SD466.DWG

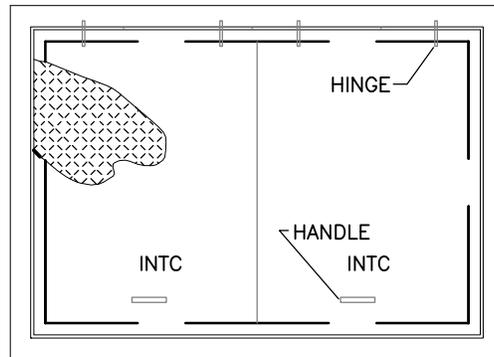
DETAIL NUMBER: **466**



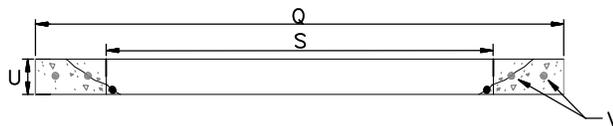
TYPE 1 OR 2 JUNCTION BOX INSTALLATION DETAIL
NTS



TYPE 7 JUNCTION BOX INSTALLATION DETAIL
NTS



DUAL LID DETAIL - TYPE 7
NTS



FOUNDATION ELEVATION - TYPE 7
NTS

CITY OF REDMOND, WASHINGTON

APPROVED BY: RON GRANT
CITY ENGINEER

REVISION DATE: MARCH 01, 2011



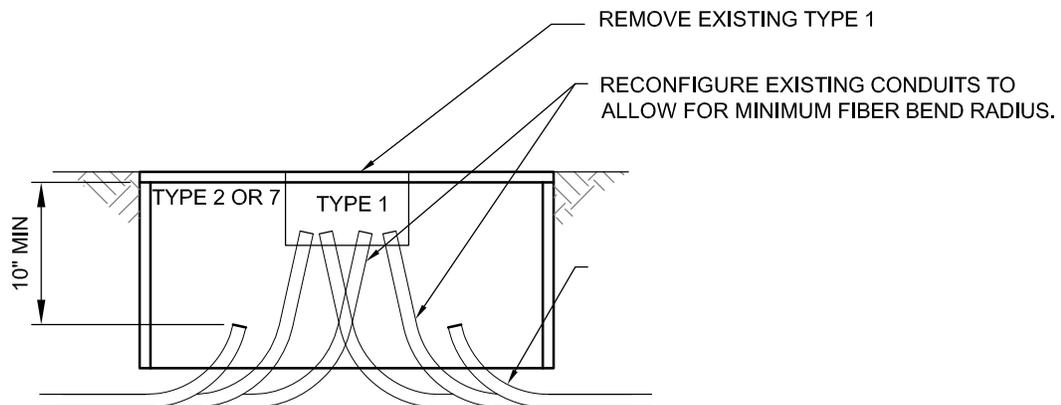
STANDARD DETAILS

JUNCTION BOX DETAILS 1 OF 2

FILE NAME: SD467A.DWG | DETAIL NUMBER: **467A**

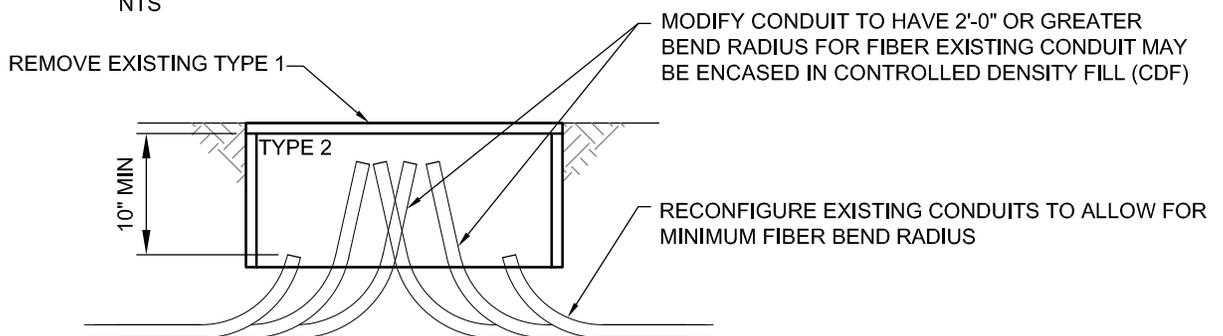
NOTES:

1. ALL BOX DIMENSIONS ARE NOMINAL. EXACT CONFIGURATIONS VARY AMONG DIFFERENT MANUFACTURERS.
2. THE NOTED LID THICKNESS ARE OVERALL MINIMUMS. THE DIAMOND PATTERN FOR TYPE 1 AND 2 BOXES SHALL BE 28% MINIMUM OF OVERALL THICKNESS. THE DIAMOND PATTERN FOR TYPE 7 BOXES SHALL HAVE A MINIMUM THICKNESS OF $\frac{3}{32}$ "
3. LID SUPPORT MEMBERS SHALL BE $\frac{3}{16}$ " MIN. THICK STEEL C, L OR T SHAPE WELDED TO THE FRAME.
4. WHEN SPECIFIED IN THE CONTRACT, TYPE 2 AND TYPE 7 BOXES SHALL BE PROVIDED WITH 12" DEEP EXTENSION BOXES.
5. A $\frac{1}{4}$ " NC X $\frac{3}{4}$ " STAINLESS STEEL GROUND STUD WITH S.S. NUT SHALL BE WELDED TO THE BOTTOM OF THE LID.
6. SEE THE STANDARD SPECIFICATIONS FOR ALTERNATE USE OF REINFORCEMENT.
7. WHEN REPLACING AN EXISTING JUNCTION BOX, THE END OF EACH EXISTING CONDUIT FOR NEW FIBER OPTIC CABLE INSTALLATION SHALL BE CUT BACK AND REPLACED WITH A 45 DEGREE FACTORY BEND WITH A MINIMUM 24" BENDING RADIUS. IF NECESSARY, EXISTING CABLES SHALL BE DISCONNECTED, REMOVED, LABELED, REINSTALLED AND RECONNECTED BY CONTRACTOR. COR SHALL BE NOTIFIED AT LEAST 3 WORKING DAYS PRIOR TO ANY WORK IN A COR CABINET.
8. JUNCTION BOX PLACED IN STREET SHALL BE H-35 TRAFFIC BEARING OR HIGHER.
9. THE TYPE 7 LIDS SHALL BE GALVANIZED AND BOTH LIDS SHALL BE BONDED. HINGES SHALL ALLOW THE LID TO OPEN 180°.
10. ALL CONDUIT SHALL HAVE BELL ENDS.
11. JUNCTION BOXES WITHIN SIDEWALK SHALL HAVE NON-SKID LIDS.



TYPE 1 CONVERSION TO TYPE 2 OR 7

NTS



TYPE 2 RECONFIGURATION

NTS

CITY OF REDMOND, WASHINGTON

APPROVED BY: RON GRANT
CITY ENGINEER

REVISION DATE: MARCH 01, 2011



STANDARD DETAILS

JUNCTION BOX DETAILS 2 OF 2

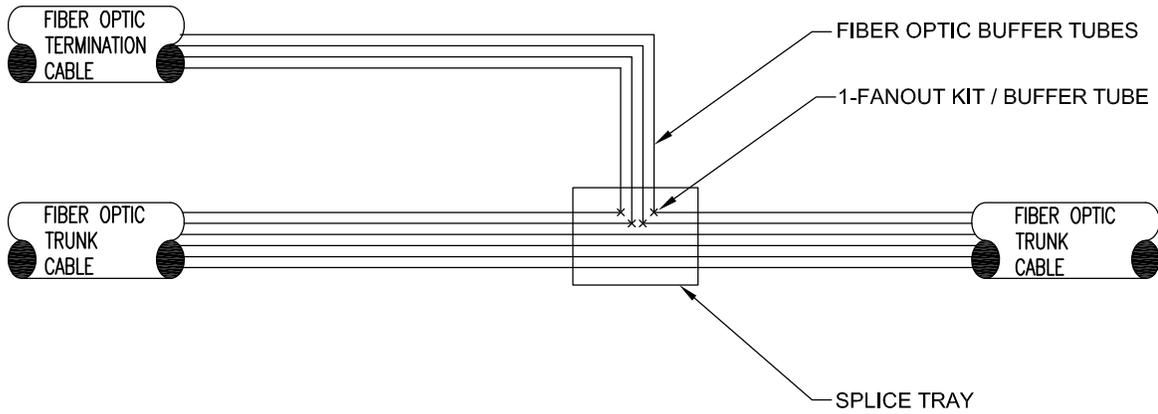
FILE NAME: 467B.DWG

DETAIL NUMBER: **467B**

NOTE: ONLY A PORTION OF THE FIBER OPTIC CABLE IS CUT. (DO NOT CUT ALL FIBERS IN CABLE).

× = FIBER SPLICE SYMBOL

SEE PLANS AND FIBER SPLICE TABLE FOR SPECIFIC SPLICE COUNT INFORMATION.



MID-SHEATH SPLICE SCHEMATIC

NTS

CITY OF REDMOND, WASHINGTON

APPROVED BY: RON GRANT
CITY ENGINEER

REVISION DATE: MARCH 01, 2011

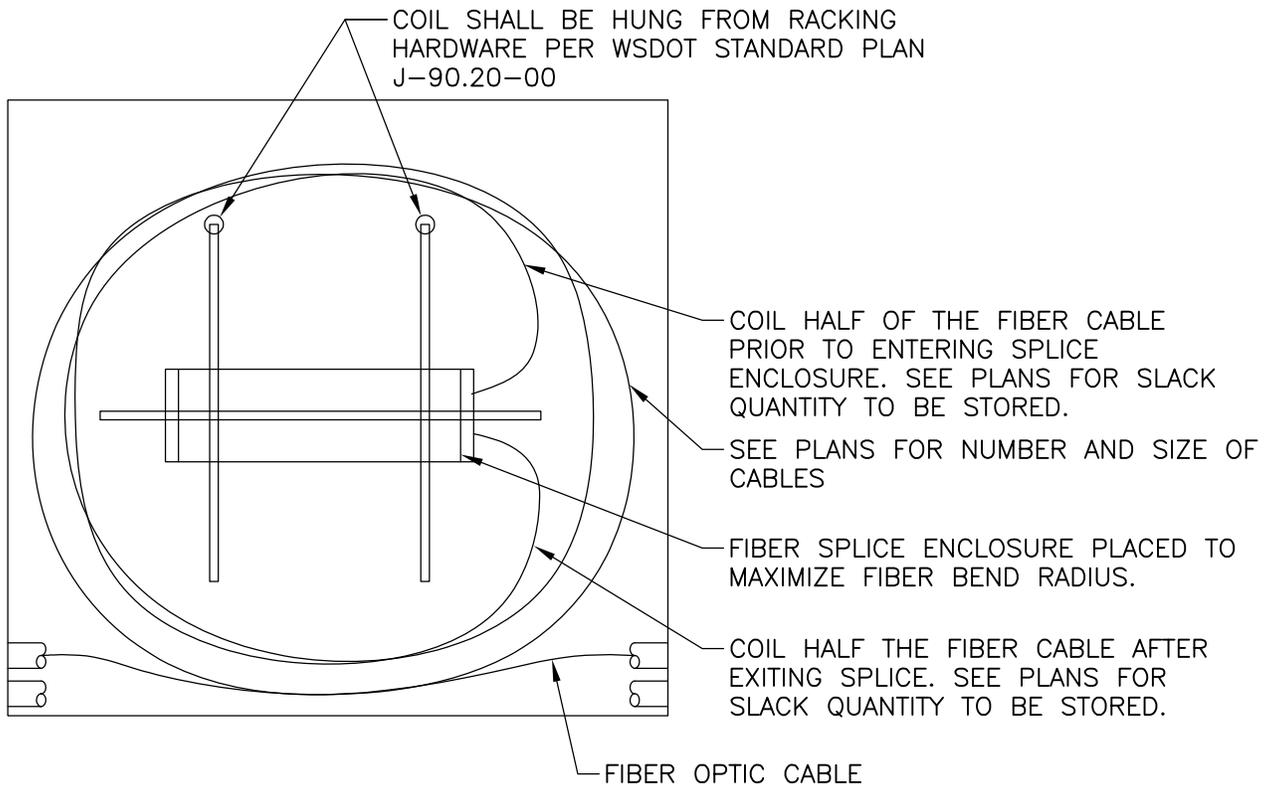


STANDARD DETAILS

**FIBER SPLICE AND STORAGE
DETAILS 1 OF 3**

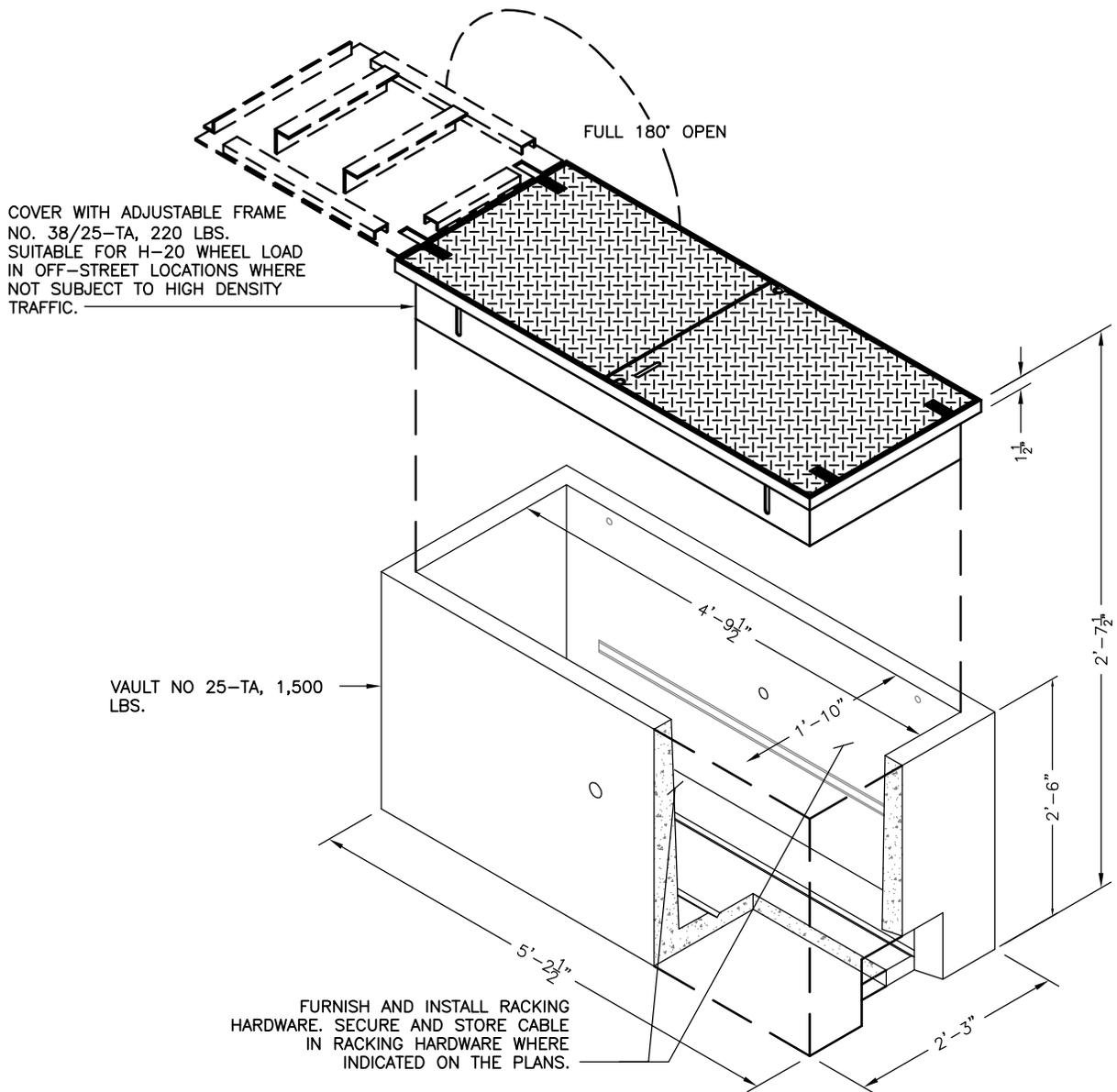
FILE NAME: SD468A.DWG

DETAIL NUMBER: **468A**



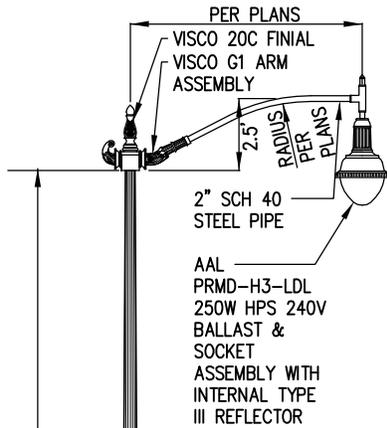
FIBER SPLICE ENCLOSURE AND CABLE STORAGE
NTS

CITY OF REDMOND, WASHINGTON			STANDARD DETAILS	
APPROVED BY: RON GRANT CITY ENGINEER			FIBER SPLICE AND STORAGE DETAILS 2 OF 3	
REVISION DATE: MARCH 01, 2011			FILE NAME: SD468B.DWG	DETAIL NUMBER: 468B

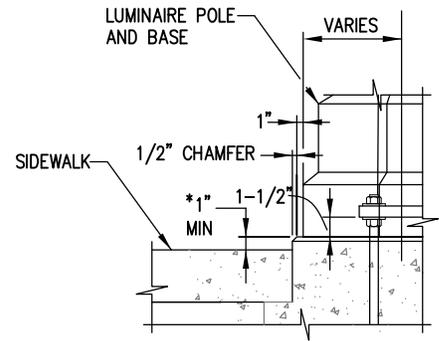


25-TA VAULT

CITY OF REDMOND, WASHINGTON			STANDARD DETAILS	
APPROVED BY: RON GRANT CITY ENGINEER			FIBER SPLICE AND STORAGE DETAILS 3 OF 3	
REVISION DATE: MARCH 01, 2011	City of Redmond WASHINGTON		FILE NAME: SD468C.DWG	DETAIL NUMBER: 468C



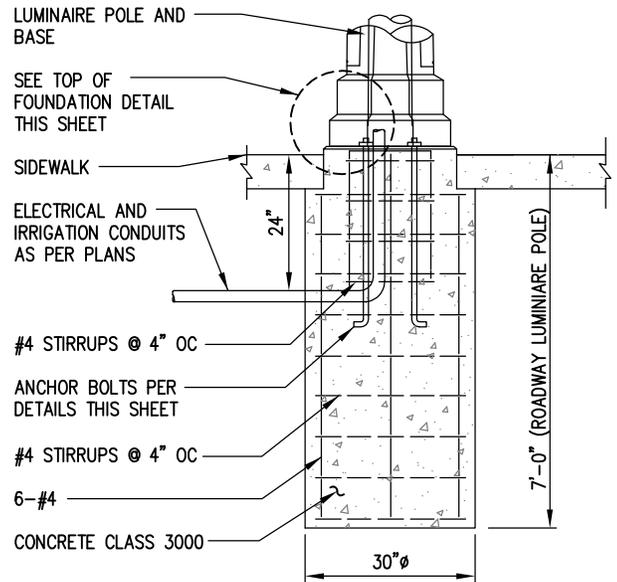
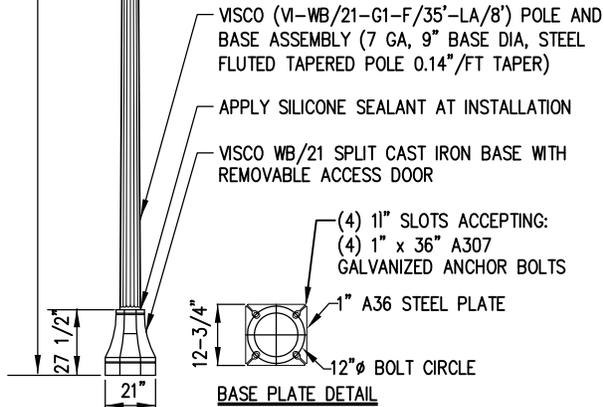
PAINT SPECIFICATIONS: ALL CAST IRON AND STEEL LIGHT POLE PARTS ARE TO BE FACTORY PRIME PAINTED WITH "TNEPEC" PRIMER AND FACTORY FINISH PAINTED WITH "TNEPEC" PEKING BLUE, ENDURASHIELD #F175B2705A 8556A, OR APPROVED EQUAL.



* TOP OF FOUNDATION TO BE LEVEL, 1" MIN HEIGHT ABOVE TOP OF SIDEWALK

TOP OF FOUNDATION DETAIL
NTS

35'-0" POLE HEIGHT



ROADWAY LUMINAIRE AND POLE
NTS

LUMINAIRE POLE AND FOUNDATION DETAIL
NTS

NOTES:

1. HAND HOLE ACCESS DOOR SHALL BE MOUNTED AT 270°
2. HAND HOLE ACCESS DOOR FOR RECEPTACLE SHALL BE MOUNTED AT 90°

CITY OF REDMOND, WASHINGTON

APPROVED BY: RON GRANT
CITY ENGINEER

REVISION DATE: MARCH 01, 2011



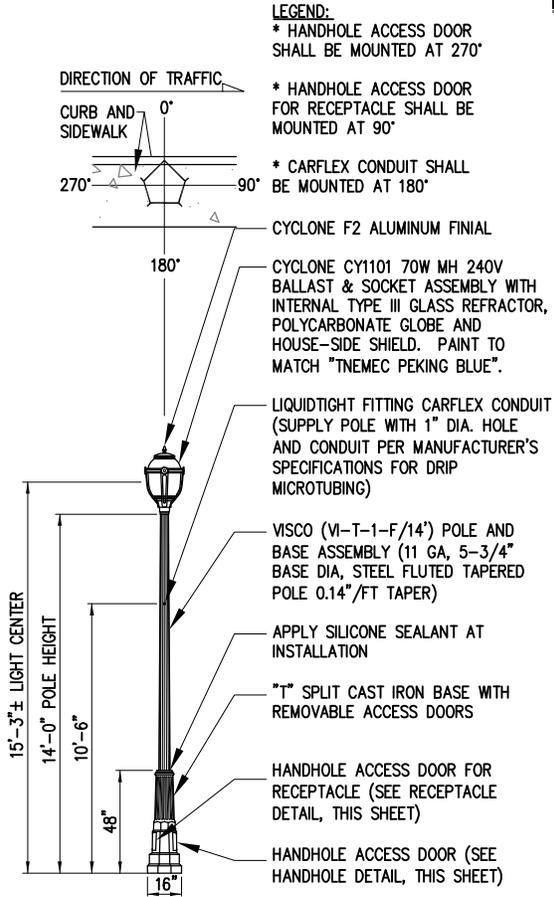
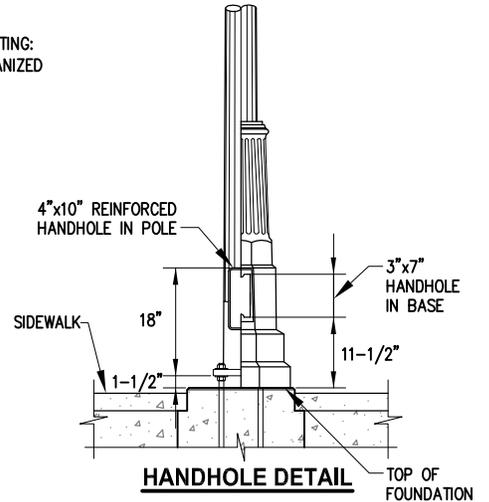
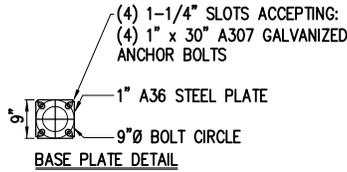
STANDARD DETAILS

ROADWAY LUMINAIRE AND POLE

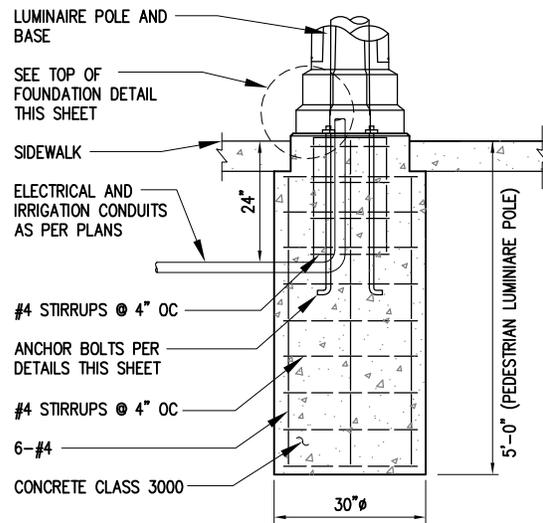
FILE NAME: SD470.DWG

DETAIL NUMBER: **470**

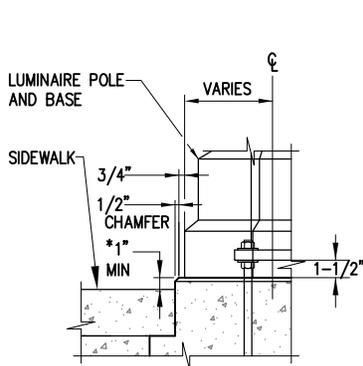
PAINT SPECIFICATIONS: ALL CAST IRON AND STEEL LIGHT POLE PARTS ARE TO BE FACTORY PRIME PAINTED WITH "TNEPEC" PRIMER AND FACTORY FINISH PAINTED WITH "TNEPEC" PEKING BLUE, ENDURASHIELD #F175B2705A 8556A, OR APPROVED EQUAL.



PEDESTRIAN LUMINAIRE AND POLE

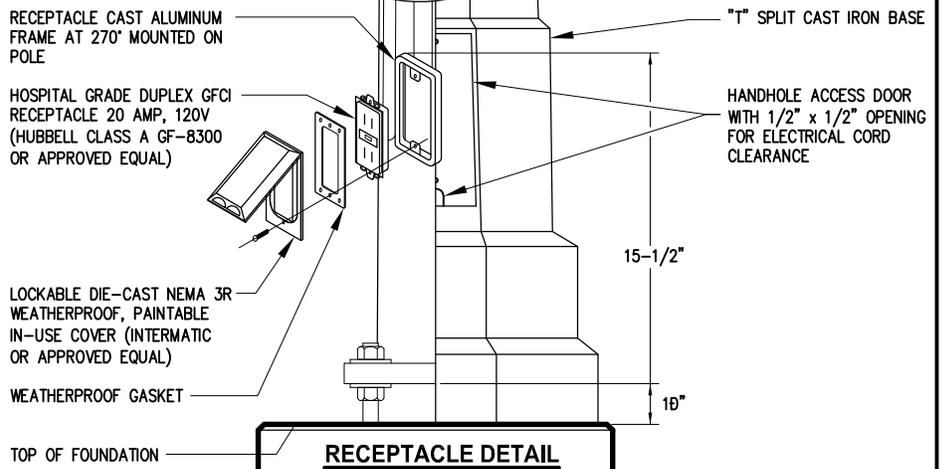


LUMINAIRE POLE FOUNDATION DETAIL



* TOP OF FOUNDATION TO BE LEVEL, 1" MIN HEIGHT ABOVE TOP OF SIDEWALK

TOP OF FOUNDATION DETAIL



CITY OF REDMOND, WASHINGTON

APPROVED BY: RON GRANT
CITY ENGINEER

REVISION DATE: MARCH 01, 2011



STANDARD DETAILS

PEDESTRIAN LUMINAIRE AND POLE

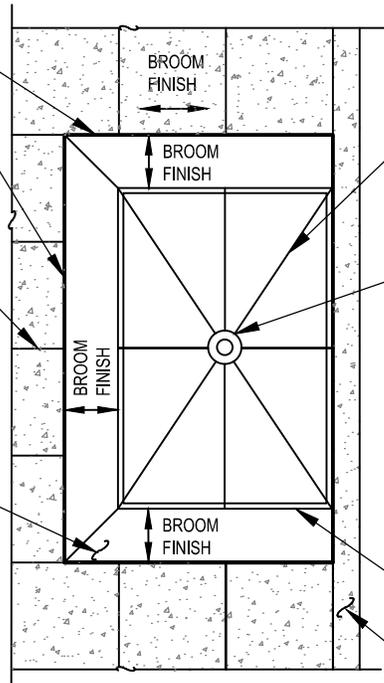
FILE NAME: SD471.DWG

DETAIL NUMBER: **471**

FULL DEPTH 3/8" EXPANSION JOINT. SCORE TO BE SAWCUT AT 1/2" DEPTH X 1/8" WIDE. NO SHINE, NO RADIUS ON EDGE, NO SMOOTH FLANGE ALONG EITHER SIDE OF JOINT.

SCORE JOINT. SCORE TO BE SAWCUT AT 1/2" DEPTH X 1/8" WIDE. NO SHINE, NO RADIUS ON EDGE, NO SMOOTH FLANGE ALONG EITHER SIDE OF JOINT.

12" CONCRETE BAND WITH LIGHT BROOM FINISH IN DIRECTION SHOWN



4' X 6' TREE GRATE PER CITY OF REDMOND STANDARD DETAIL# 907

TREE TRUNK

TREE GRATE FRAME

CEMENT CONCRETE CURB

TREE GRATE FRAME AND ANCHOR PER CITY OF REDMOND DETAIL 907

12" CONCRETE BAND

3/8" FULL DEPTH EXPANSION JOINT

CEMENT CONCRETE SIDEWALK

TREE TRUNK

LOCATE TREE GRATE FLUSH WITH TOP OF SIDEWALK AS SHOWN ON PLANS.

CEMENT CONCRETE CURB AND GUTTER

NOTES:

1. ALL SIDEWALK SCORING FOLLOWS AN APPROXIMATE 2-FOOT SQUARE GRID. HOLD TREE GRATE AND LIGHT POLE LOCATIONS TO TWO-FOOT DIMENSION.
2. SEE CITY OF REDMOND STANDARD DETAIL #907 FOR TREE GRATE INSTALLATION.

CITY OF REDMOND, WASHINGTON

APPROVED BY: RON GRANT
CITY ENGINEER

REVISION DATE: MARCH 01, 2012

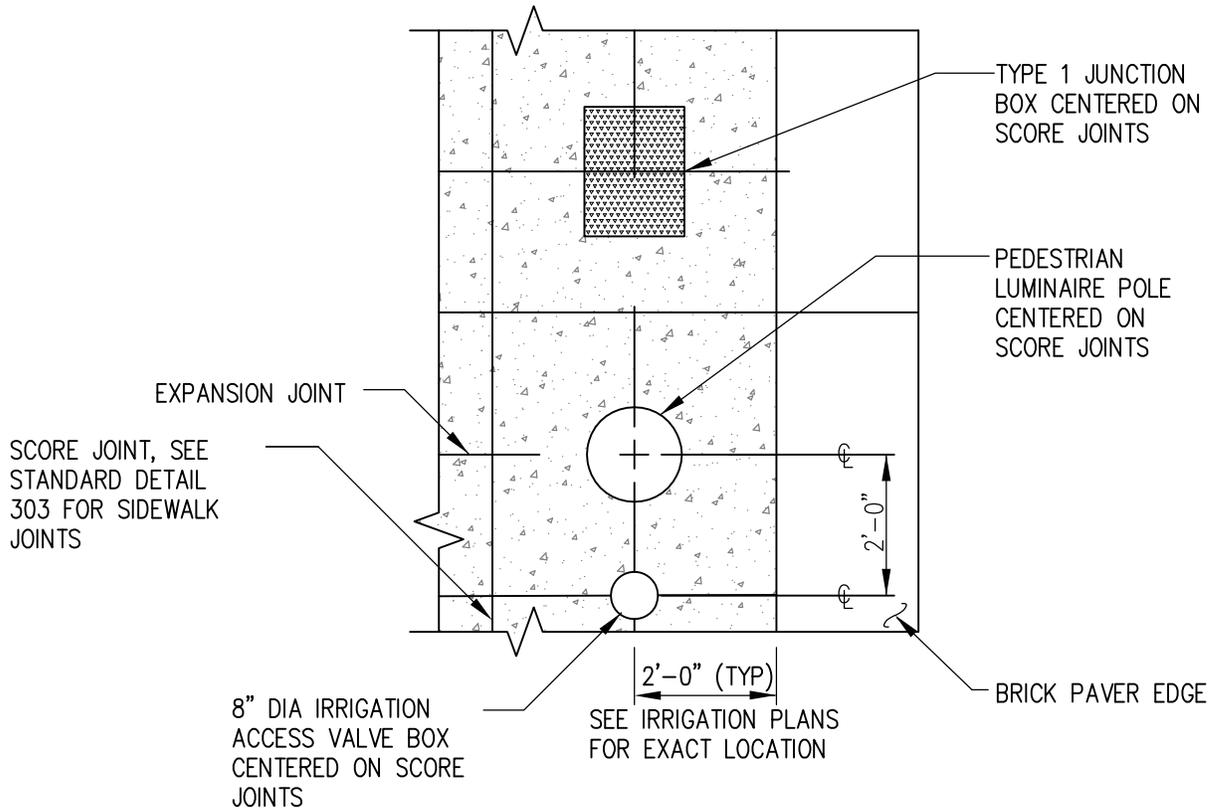


STANDARD DETAILS

TREE GRATE DETAIL
WITH FRAME

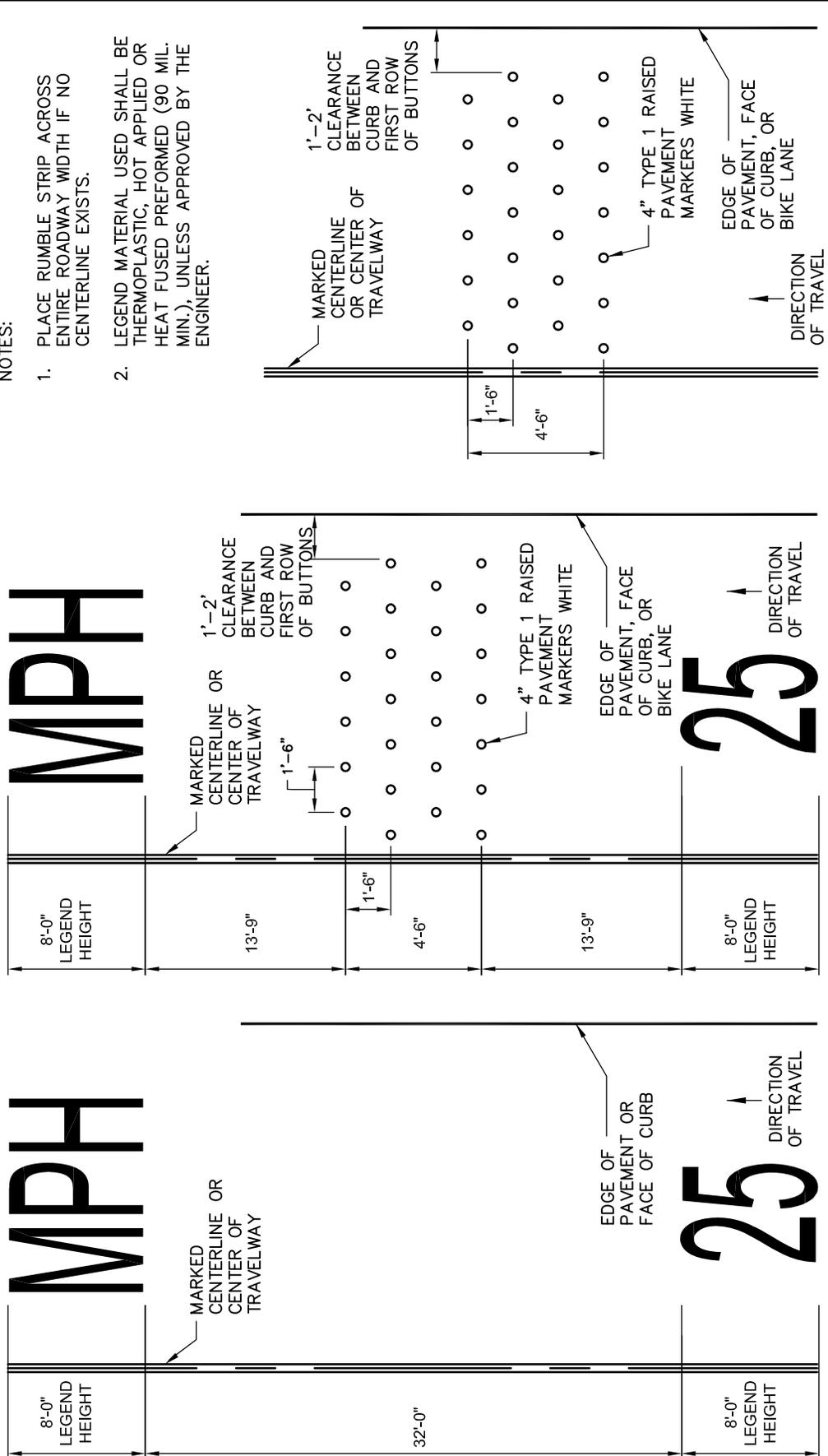
FILE NAME: SD473.DWG

DETAIL NUMBER: 473



PEDESTRIAN LUMINAIRE LOCATION AND PAVEMENT SCORING
 NTS

CITY OF REDMOND, WASHINGTON		 City of Redmond WASHINGTON	STANDARD DETAILS	
APPROVED BY: RON GRANT CITY ENGINEER			PEDESTRIAN LUMINAIRE LOCATION AND PAVEMENT SCORING	
REVISION DATE: MARCH 01, 2011			FILE NAME: SD474.DWG	DETAIL NUMBER: 474



NOTES:

1. PLACE RUMBLE STRIP ACROSS ENTIRE ROADWAY WIDTH IF NO CENTERLINE EXISTS.
2. LEGEND MATERIAL USED SHALL BE THERMOPLASTIC, HOT APPLIED OR HEAT FUSED PREFORMED (90 MIL. MIN.), UNLESS APPROVED BY THE ENGINEER.

RUMBLE STRIP
NTS

**RUMBLE STRIP WITH
25 MPH LEGEND**
NTS

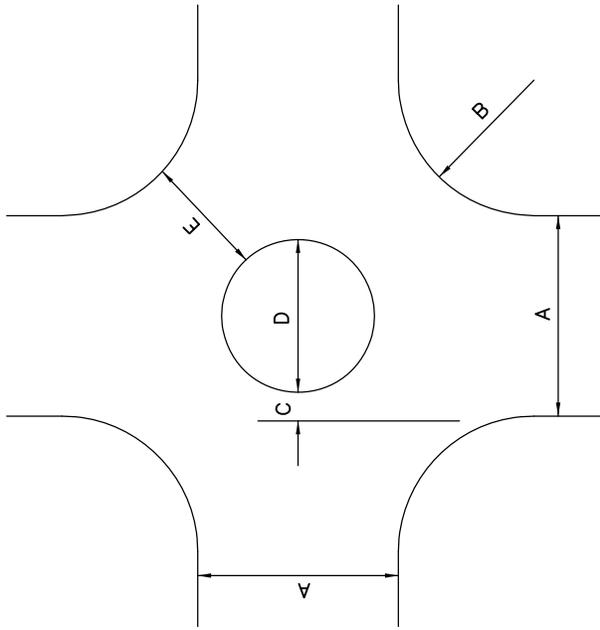
25 MPH LEGEND
NTS

CITY OF REDMOND, WASHINGTON			STANDARD DETAILS	
APPROVED BY: RON GRANT CITY ENGINEER			RUMBLE STRIP AND 25 MPH LEGEND	
REVISION DATE: MARCH 01, 2011	City of Redmond WASHINGTON		FILE NAME: SD476.DWG	DETAIL NUMBER: 476

DIMENSIONS

A STREET WIDTH	B CURB RETURN RADIUS	C OFFSET DISTANCE	D CIRCLE DIAMETER	E OPENING WIDTH
20'	<15'	RECONSTRUCT CURBS	9'	16'+
	15'	5.5'	10'	17'+
	18'	5.0'	11'	18'-
	20'	4.5'	12'	19'+
24'	<12'	RECONSTRUCT CURBS	13'	16'
	12'	5.5'	14'	17'-
	15'	5.0'	15'	18'+
	20'	4.5'	17'	20'-
25'	<12'	RECONSTRUCT CURBS	14'	16'+
	12'	5.5'	15'	17'-
	15'	5.0'	16'	18'-
	18'	4.5'	18'	20'-
30'	10'	5.5'	19'	16'+
	12'	5.0'	20'	17'-
	15'	5.0'	20'	17'+
	18'	4.5'	21'	18'+
32'	20'	4.0'	22'	19'+
	25'	3.0'	24'	20'
	10'	5.5'	21'	16'+
	12'	5.0'	22'	17'-
36'	15'	4.5'	23'	18'-
	18'	4.0'	24'	19'-
	20'	4.0'	24'	19'+
	25'	2.5'	27'	20'
40'	10'	5.0'	26'	17'-
	12'	5.0'	26'	17'+
	15'	4.5'	27'	18'+
	18'	4.0'	28'	19'+
40'	20'	3.5'	29'	20'-
	25'	1.5'	33'	20'
	10'	5.0'	30'	17'+
	12'	4.5'	31'	18'+
40'	15'	4.0'	32'	19'-
	18'	3.5'	33'	20'-
	20'	3.0'	34'	20'
	25'	1.0'	38'	20'

GEOMETRY



OPTIMUM CRITERIA

- NOTES:
- USE DIMENSION SCHEDULE AS A DESIGN GUIDE. FINAL DIMENSIONS TO BE DETERMINED BY THE ENGINEER.
 - FOR PLANTER ISLAND SPECIFICATIONS SEE TRAFFIC CIRCLE DETAIL SD478.
- | | |
|---|--|
| OFFSET
DISTANCE
(C) | OPENING
WIDTH
(E) |
| 5.5' MAX.
5.0'
4.5'
4.0'
3.5' OR LESS | 16' MIN.
17' ±
18' ±
19' ±
20' ± |

CITY OF REDMOND, WASHINGTON

APPROVED BY: RON GRANT
CITY ENGINEER

REVISION DATE: MARCH 01, 2011



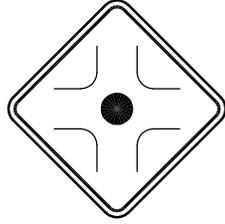
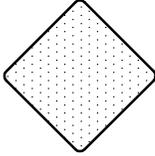
STANDARD DETAILS

TRAFFIC CIRCLE DIMENSIONS

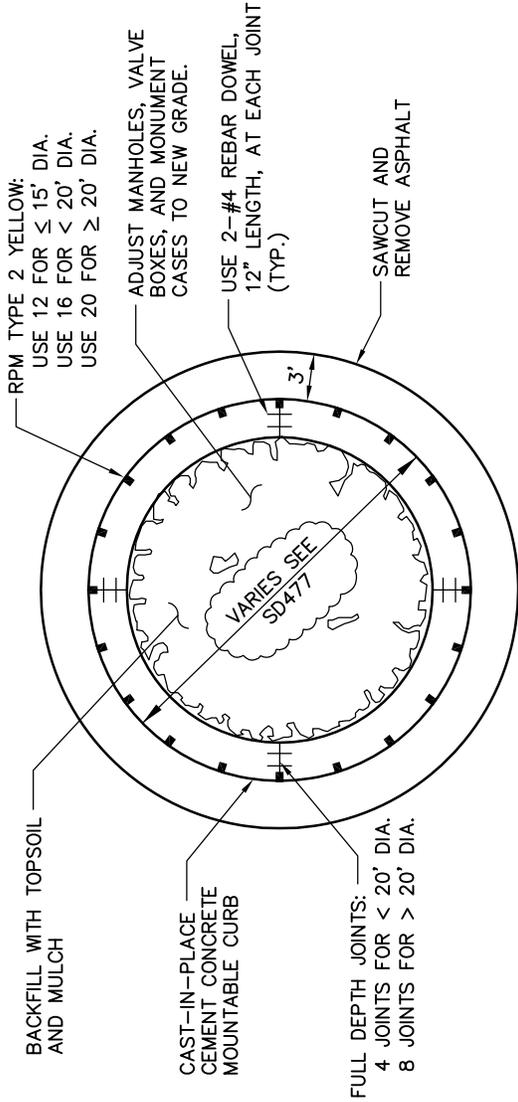
FILE NAME: SD477.DWG

DETAIL NUMBER: **477**

18" X 18" (OMI-3) YELLOW HIGH INTENSITY TYPE 1 OBJECT MARKER PLACED IN TRAFFIC CIRCLE FOR EACH APPROACH. ALL SIGNS TO BE MOUNTED ON SINGLE POST. LOCATION TO BE DETERMINED BY ENGINEER. SIGN HEIGHT: 5' FROM BOTTOM OF LOWER SIGN TO STREET SURFACE. SIGN MATERIAL: 3D DIAMOND GRADE DG³

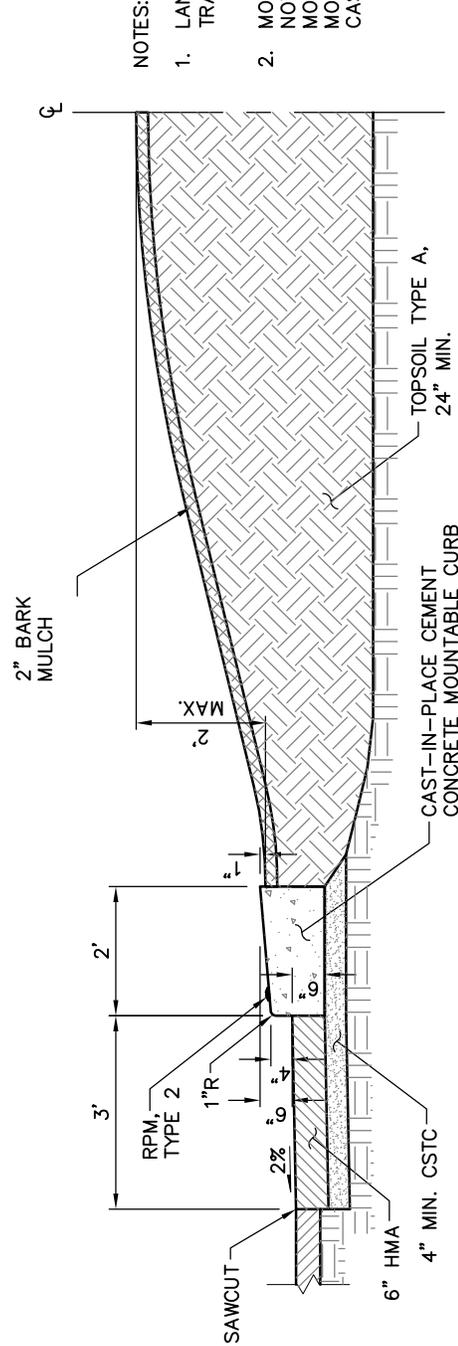


30" X 30" BLACK ON YELLOW PLACED 75' TO 100' BACK FROM TRAFFIC CIRCLE ON EACH APPROACH. SEE SD426D FOR POST TYPE AND INSTALLATION. SIGN MATERIAL: 3D DIAMOND GRADE DG³



TYPICAL TRAFFIC CIRCLE
NTS

SIGNING
NTS



TYPICAL SECTION
NTS

- NOTES:
1. LANDSCAPING TO BE DETERMINED BY TRANSPORTATION/PARKS STAFF.
 2. MONUMENT PROTECTION/PRESERVATION: NOTIFY CITY ENGINEER PRIOR TO MONUMENT ADJUSTMENT. RAISE MONUMENT TO GRADE IN APPROPRIATE CASING.

CITY OF REDMOND, WASHINGTON

APPROVED BY: RON GRANT
CITY ENGINEER

REVISION DATE: MARCH 01, 2011

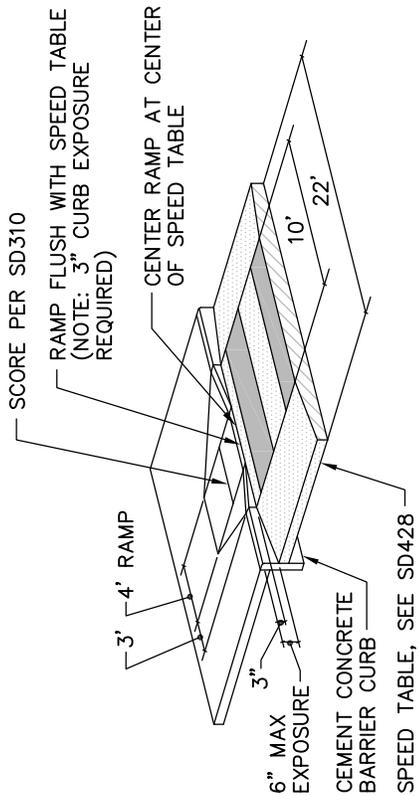


STANDARD DETAILS

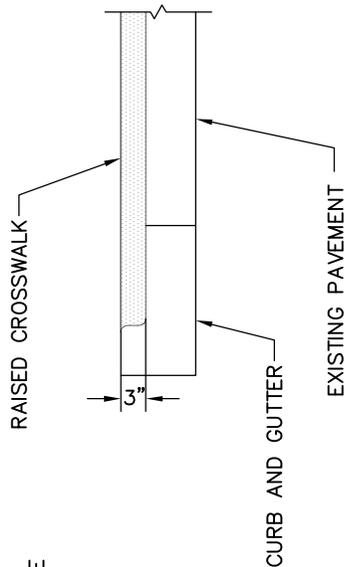
TRAFFIC CIRCLES DETAILS

FILE NAME: SD478.DWG

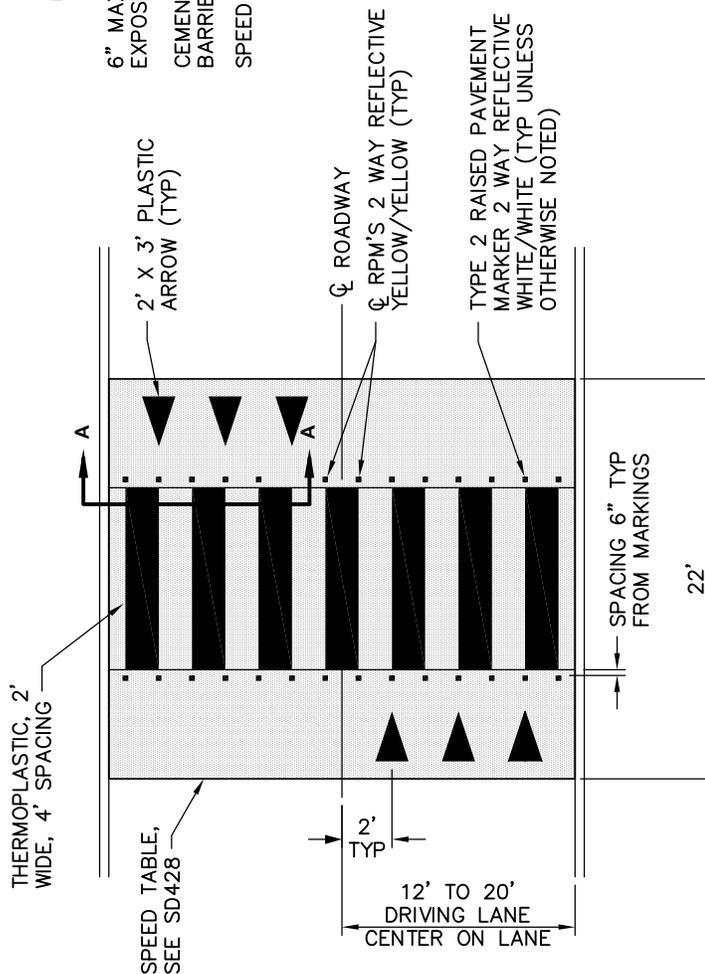
DETAIL NUMBER: **478**



**TRANSITION FROM TYPE 1 CURB RAMP
TO RAISED CROSSWALK**
NTS



SECTION A-A
NTS



MARKING DETAIL
NTS

CITY OF REDMOND, WASHINGTON

APPROVED BY: RON GRANT
CITY ENGINEER

REVISION DATE: MARCH 01, 2011

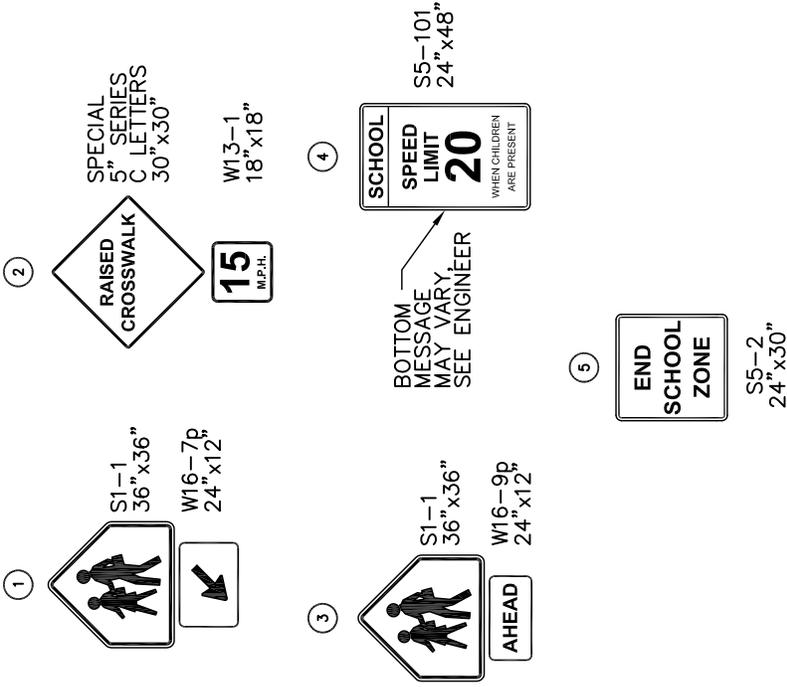


STANDARD DETAILS

RAISED CROSSWALK

FILE NAME: SD479.DWG

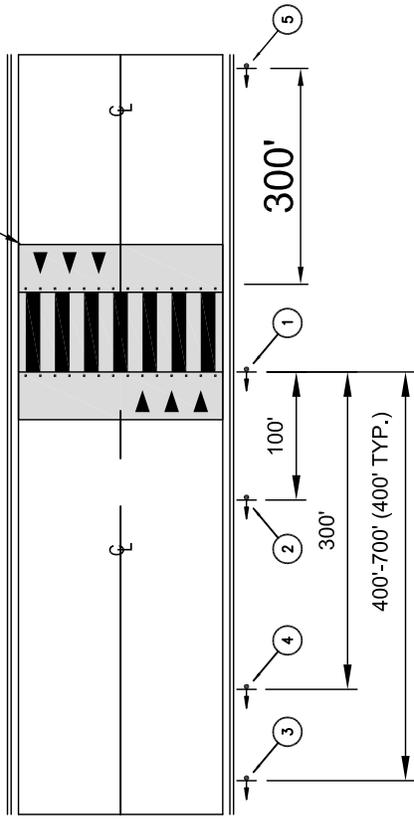
DETAIL NUMBER: **479**



NOTES:

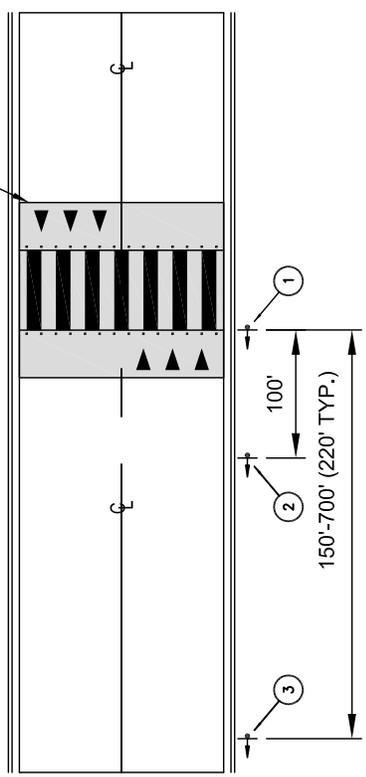
- SIGNS (1), (2), (3), & THE "SCHOOL" LEGEND ON (4) TO HAVE FLUORESCENT YELLOW-GREEN BACKGROUND WITH BLACK LEGEND AND BORDER. SIGN MATERIAL: 3M DIAMOND GRADE DG³
- DIAGONAL ARROW POINTING DOWNWARD TO CROSSWALK.
- SIGN (1): INSTALL TWO SIGNS BACK TO BACK ON SAME POST.
- SIGNS AND MARKINGS TYPICAL BOTH DIRECTIONS.

FOR SPEED TABLE SEE STANDARD DETAIL 427 AND 428. FOR MARKINGS SEE STANDARD DETAIL 479.



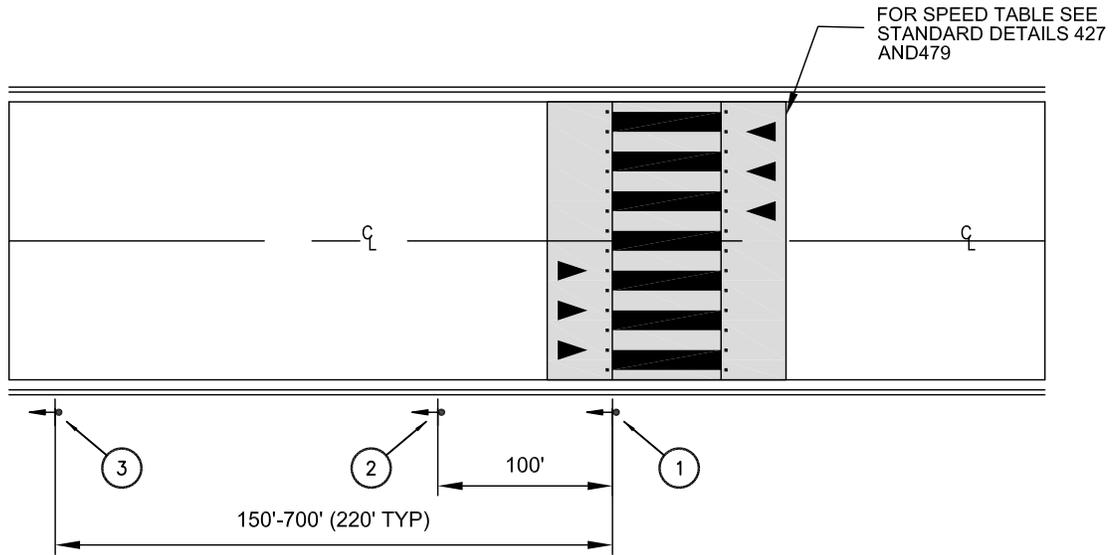
WITHIN SCHOOL SPEED ZONE
NTS

FOR SPEED TABLE SEE STANDARD DETAIL 427 AND 428. FOR MARKINGS SEE STANDARD DETAIL 479.

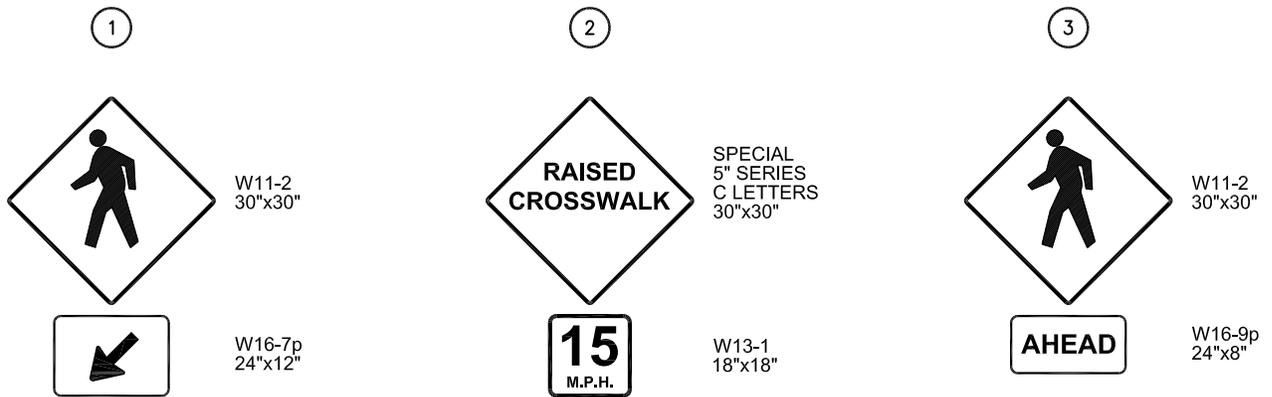


OUTSIDE SCHOOL SPEED ZONE
NTS

SIGN DETAIL
NTS



SIGNING PLACEMENT
NTS

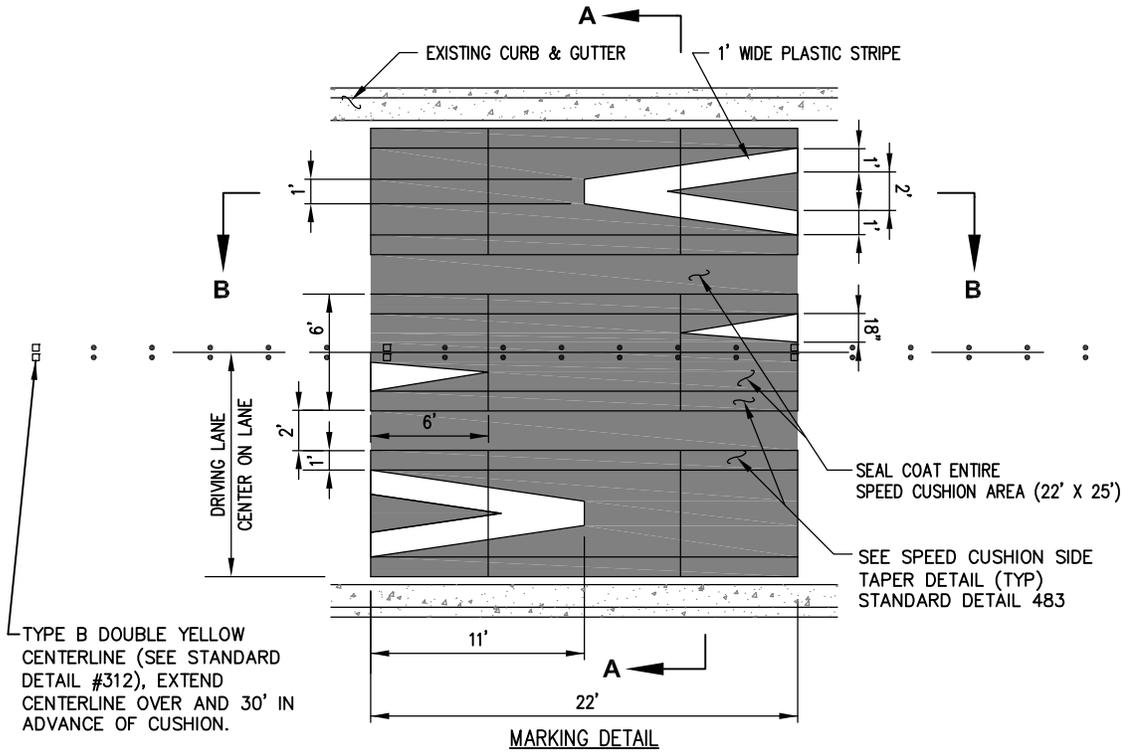


SIGNING DETAIL
NTS

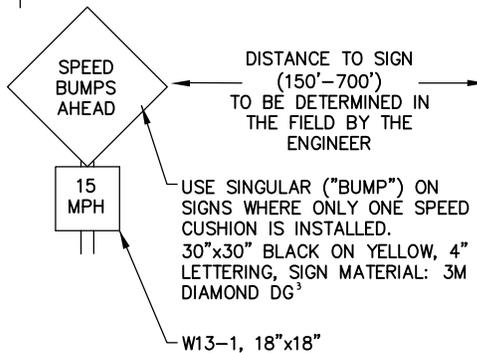
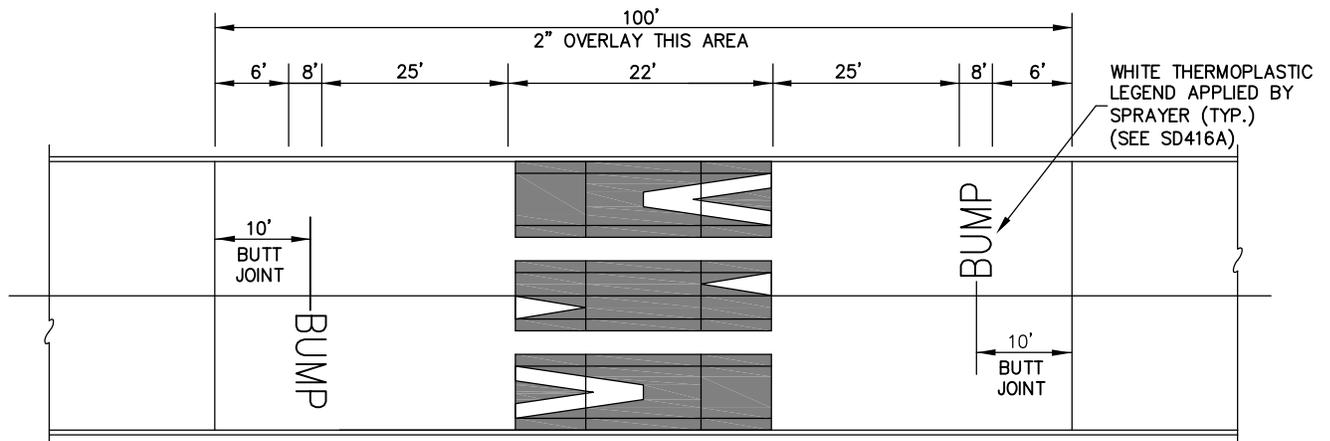
NOTES:

1. SIGNS HAVE FLUORESCENT YELLOW GREEN BACKGROUND WITH BLACK LEGEND AND BORDER.
SIGN MATERIAL: 3M DIAMOND GRADE DG³
2. DIAGONAL ARROW POINTING DOWNWARD TOWARD CROSSWALK.
3. SIGN (1) : INSTALL 2 SIGNS BACK TO BACK ON SAME POST.
4. SIGNS AND MARKINGS TYPICAL BOTH TYPICAL DIRECTIONS.

CITY OF REDMOND, WASHINGTON			STANDARD DETAILS	
APPROVED BY: RON GRANT CITY ENGINEER			RAISED CROSSWALK SIGNING	
REVISION DATE: JUNE 01, 2013		CityofRedmond WASHINGTON	FILE NAME: SD481.DWG	DETAIL NUMBER: 481



SPEED CUSHION
NTS



NOTES:

1. SIGNS & MARKINGS TYPICAL BOTH DIRECTIONS.
2. SEE "POST MOUNTED SIGN" STANDARD DRAWING 426(C) OR (D).
3. A TEMPLATE MUST BE USED IN SHAPING SPEED TABLE.
4. SPEED TABLE MUST BE MADE IN TWO LIFTS.
5. 2" OVERLAY NOT REQUIRED FOR NEW PAVEMENT OR EXISTING PAVEMENT DETERMINED TO BE IN GOOD CONDITION BY THE ENGINEER.

CITY OF REDMOND, WASHINGTON

APPROVED BY: RON GRANT
CITY ENGINEER

REVISION DATE: MARCH 01, 2011

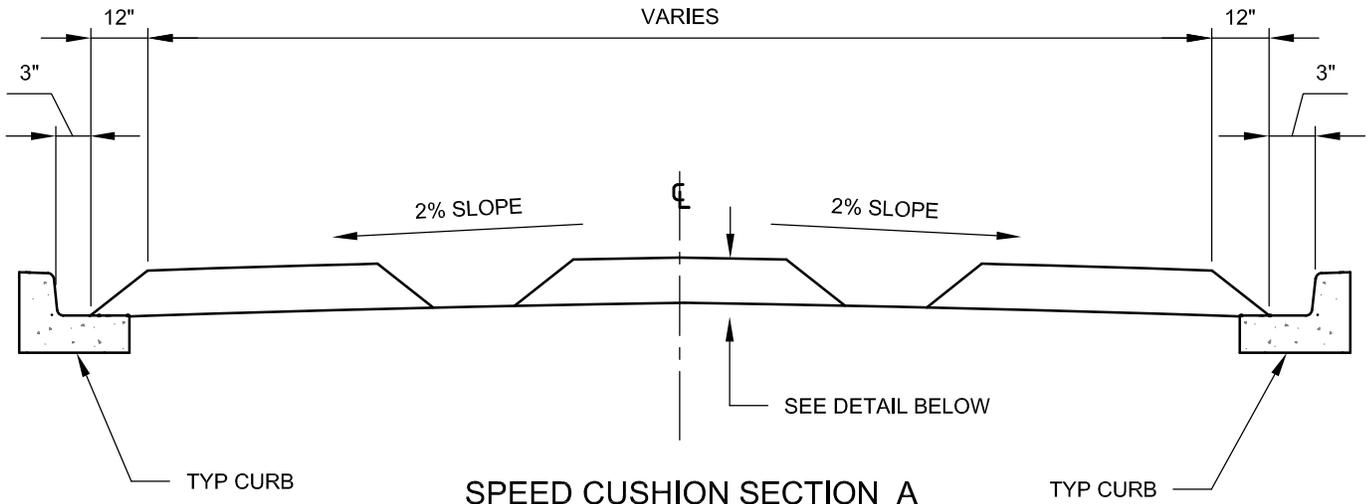


STANDARD DETAILS

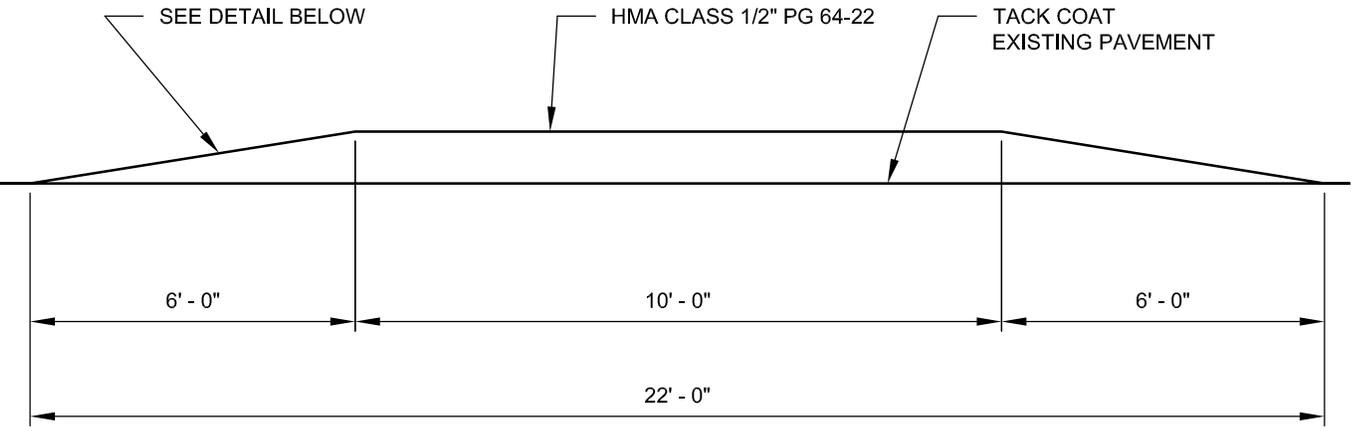
SPEED CUSHION
(1 OF 2)

FILE NAME: SD482.DWG

DETAIL NUMBER: **482**

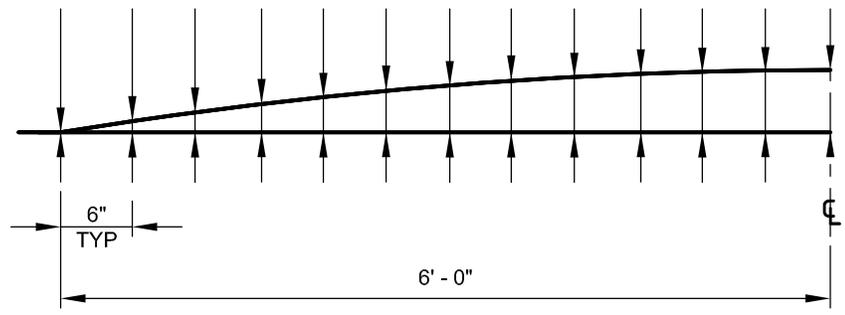


SPEED CUSHION SECTION A
NTS



SPEED CUSHION SECTION B
NTS

0	0.64	1.22	1.75	2.22	2.64	3.00	3.31	3.56	3.75	3.89	3.97	4.00"	←	4" SPEED CUSHION
0	0.56	1.07	1.53	1.94	2.31	2.63	2.89	3.11	3.28	3.40	3.48	3.50"	←	3.5" SPEED CUSHION
0	0.48	0.92	1.31	1.67	1.98	2.25	2.48	2.67	2.81	2.92	2.96	3.00"	←	3" SPEED CUSHION



SPEED CUSHION EDGE (TYP)
COMPACTED DEPTHS
NTS

CITY OF REDMOND, WASHINGTON			STANDARD DETAILS	
APPROVED BY: RON GRANT CITY ENGINEER			SPEED CUSHION (2 OF 2)	
REVISION DATE: MARCH 01, 2010			FILE NAME: SD483.DWG	DETAIL NUMBER: 483



OPTIONAL PLACARD FOR THE FOLLOWING:

- "THIS SIDE OF STREET"
- "BETWEEN SIGNS"
- "NORTH OF HERE"
- "BOTH SIDES OF STREET"

NOTES:

1. POST INSTALLED PER DETAIL 425C (OR 426D).
2. PLACARD OPTIONS DETERMINED BY THE CITY TRAFFIC ENGINEER OR FIRE CODE OFFICIAL.
3. RED LETTERS ON WHITE BACKGROUND.
4. SIGN MATERIAL: 3M DIAMOND GRADE DG³.

CITY OF REDMOND, WASHINGTON			STANDARD DETAILS	
APPROVED BY: RON GRANT CITY ENGINEER			FIRE LANE SIGN	
REVISION DATE: MARCH 01, 2011			FILE NAME: SD499.DWG	DETAIL NUMBER: 499