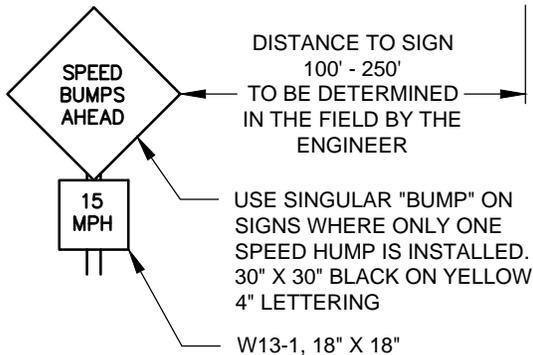
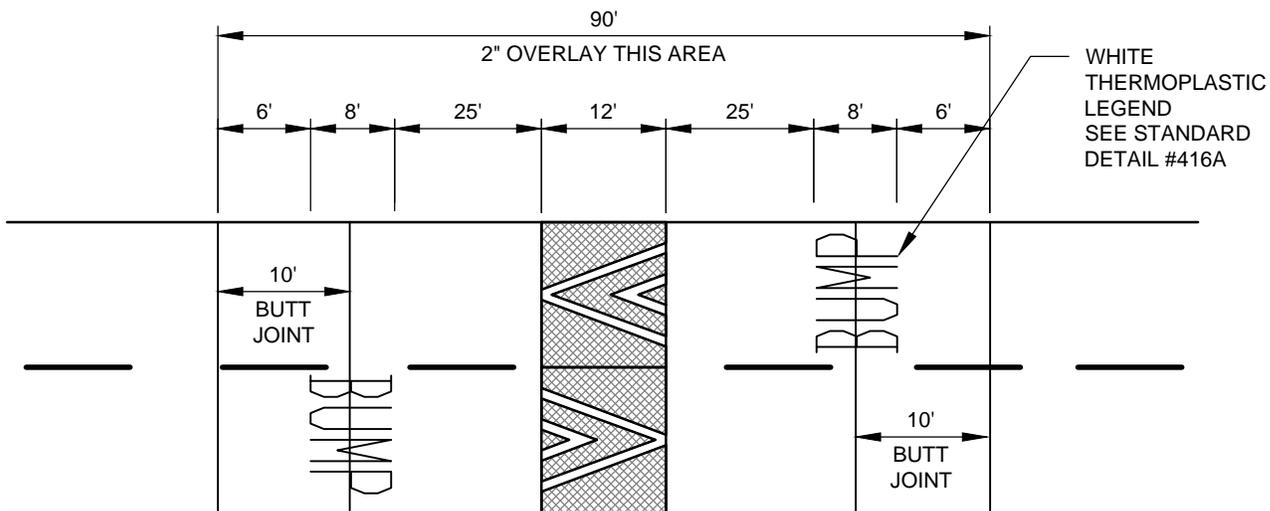
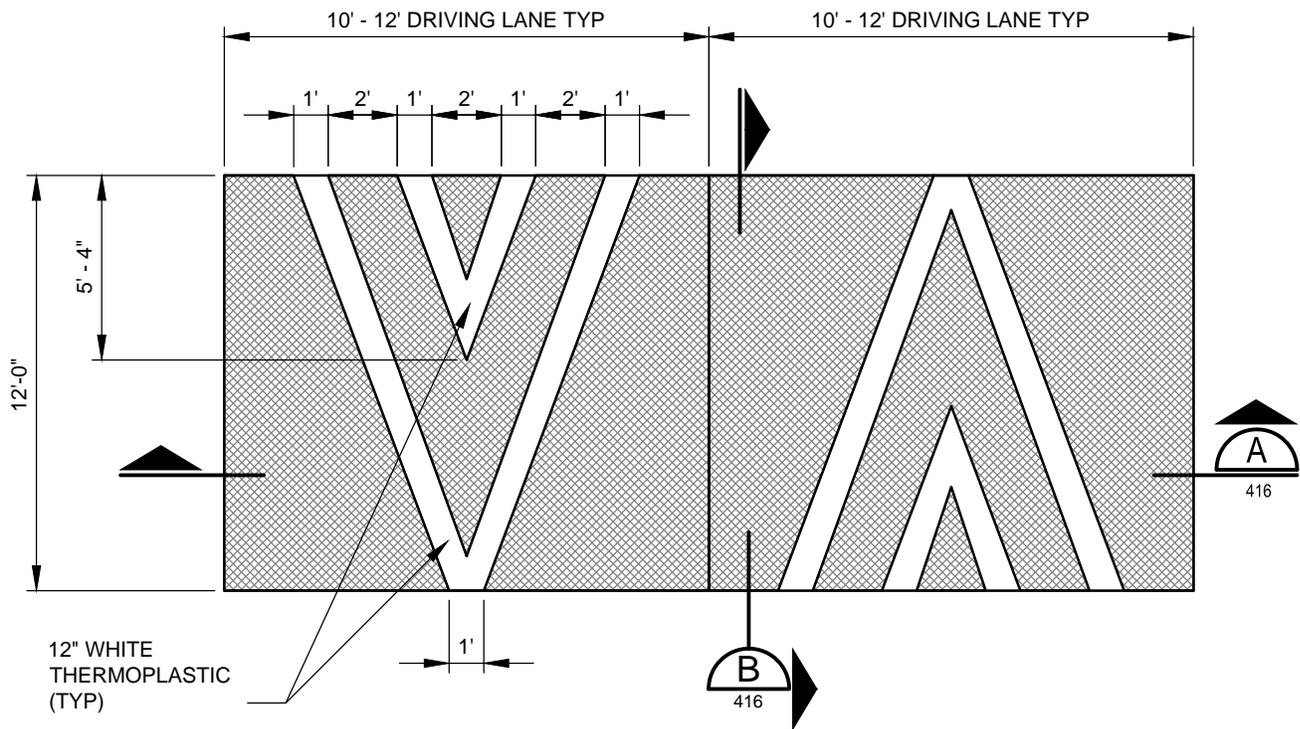


Section 4

Traffic / Transportation



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.

Rob Crittenden

APPROVED BY: ROB CRITTENDEN
TRAFFIC OPERATIONS SAFETY AND ENGINEERING MANAGER

REVISION DATE: JULY 01, 2015

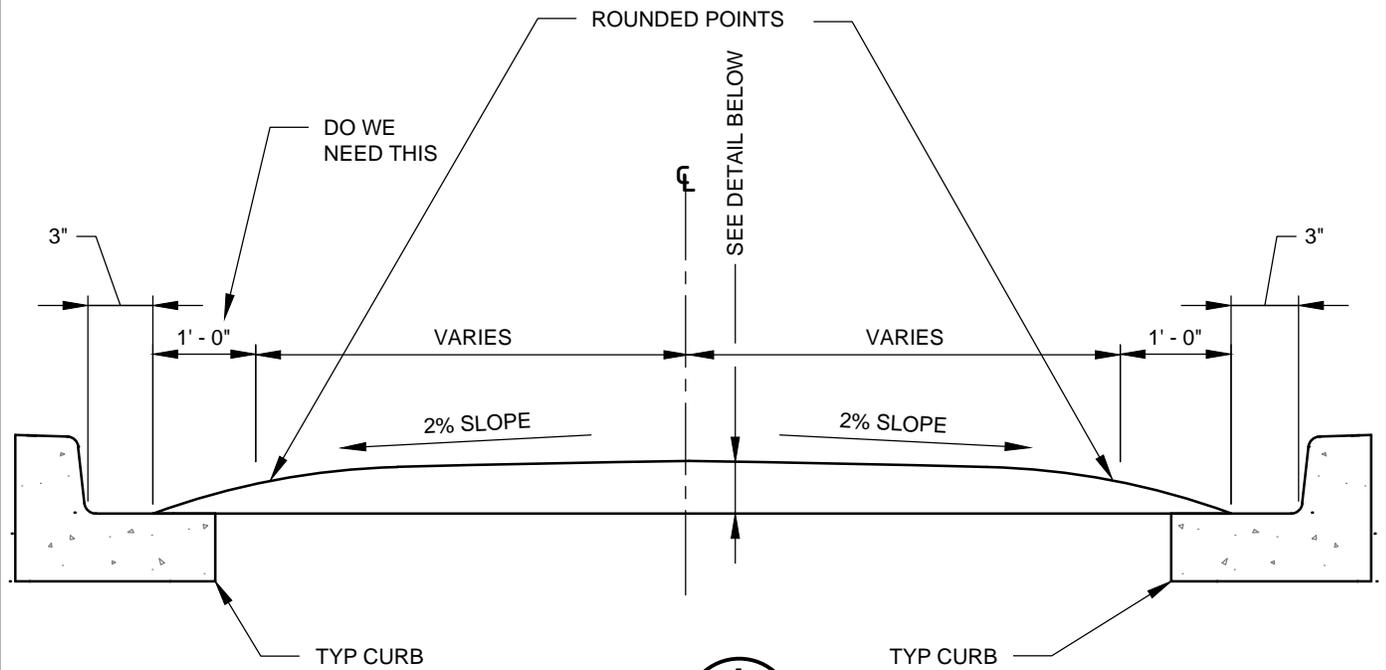


STANDARD DETAILS

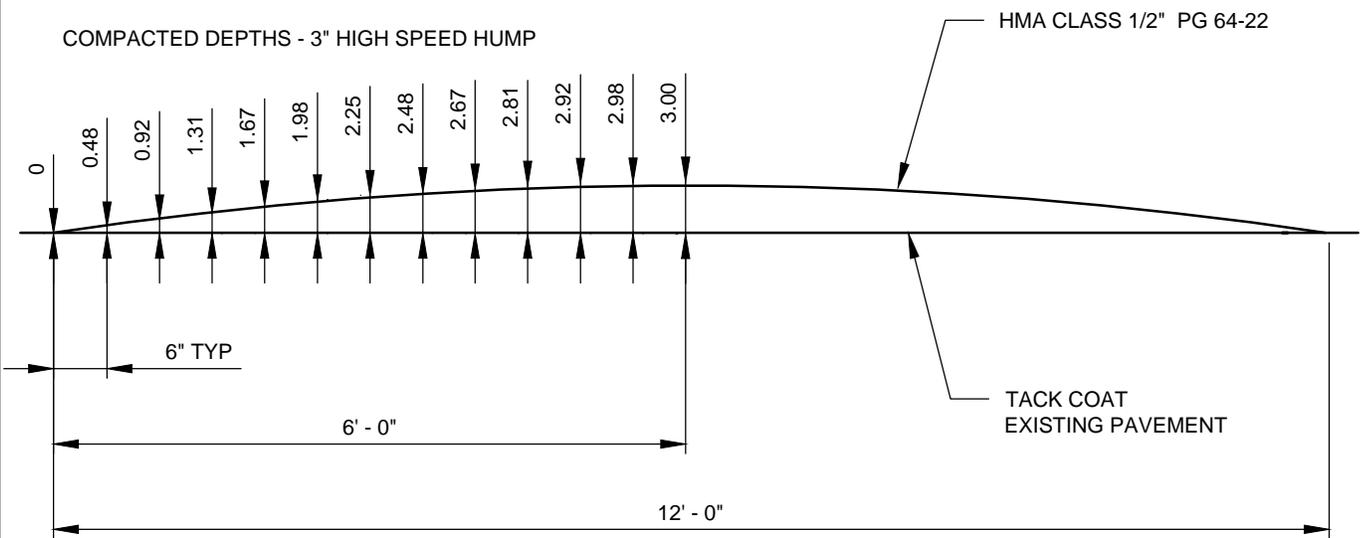
SPEED HUMP
(1 OF 2)

FILE NAME: SD415.DWG

DETAIL NUMBER: 415



SECTION A
NTS 415



SECTION B
NTS 415

Rob Crittenden

APPROVED BY: ROB CRITTENDEN
TRAFFIC OPERATIONS SAFETY AND ENGINEERING MANAGER

REVISION DATE: JULY 01, 2015



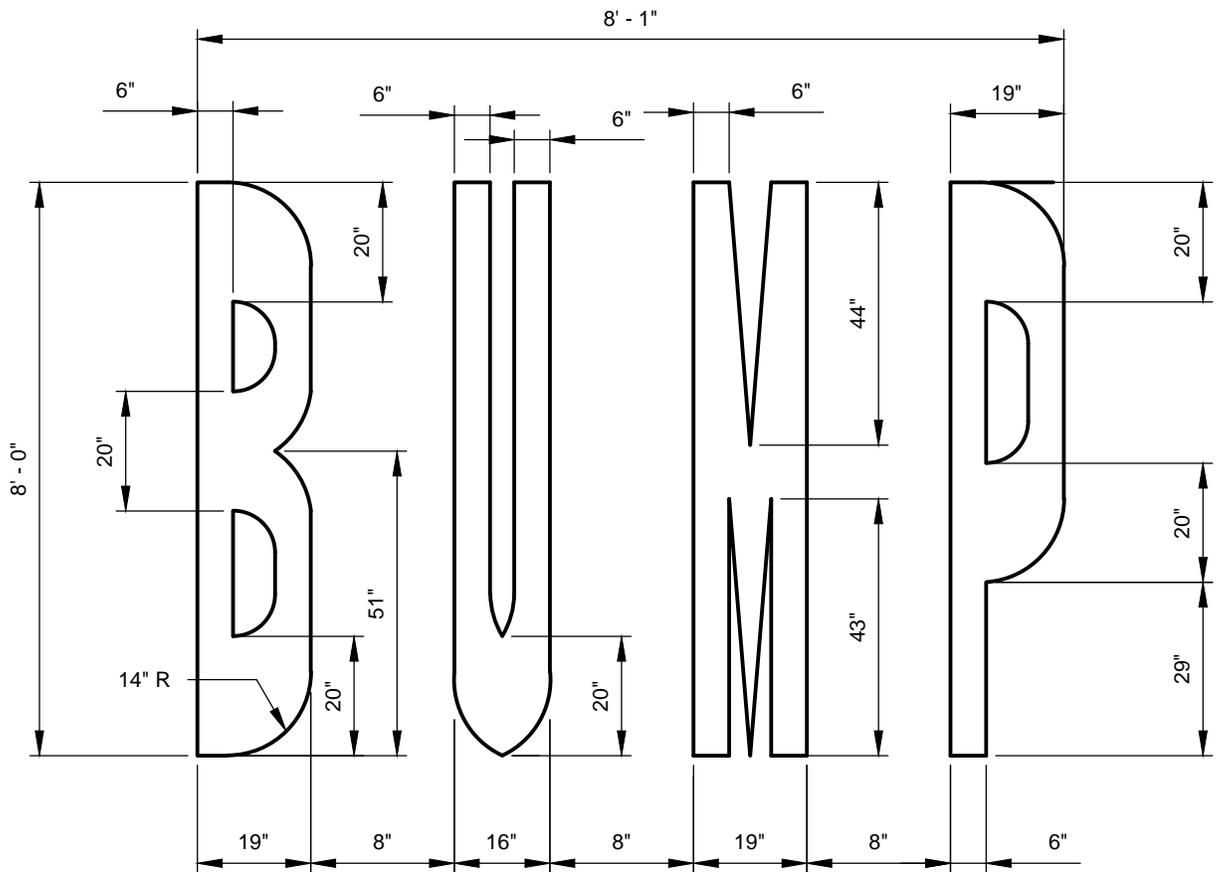
City of Redmond
WASHINGTON

STANDARD DETAILS

SPEED HUMP
(2 OF 2)

FILE NAME: SD416.DWG

DETAIL NUMBER: 416

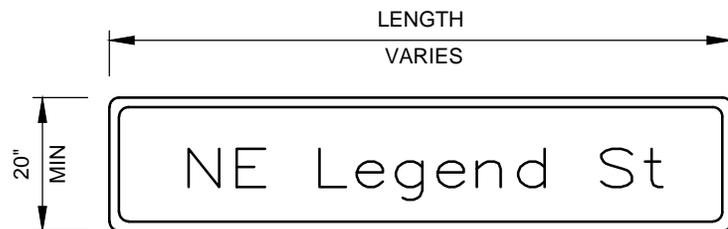
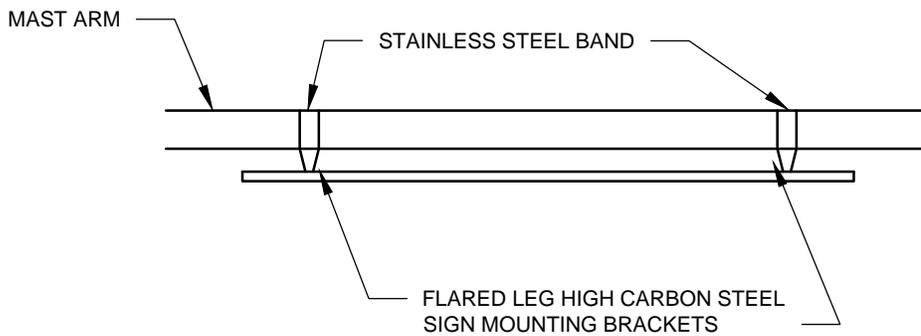
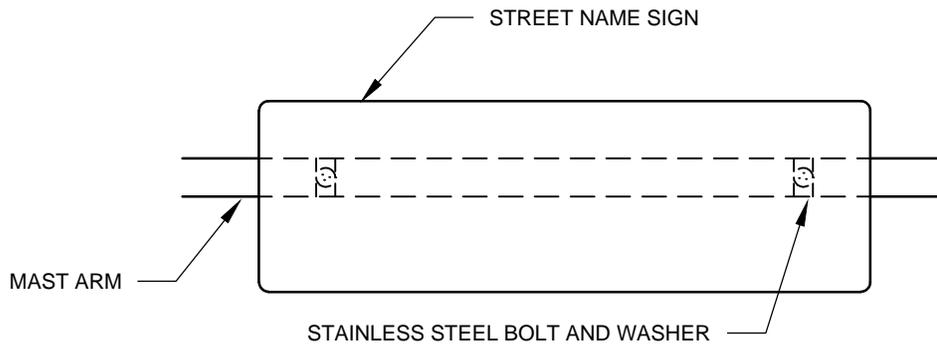


BUMP LEGEND
NTS

Rob Crittenden
 APPROVED BY: ROB CRITTENDEN
 TRAFFIC OPERATIONS SAFETY AND ENGINEERING MANAGER
 REVISION DATE: JULY 01, 2015



STANDARD DETAILS
BUMP LEGEND
 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 DG³. 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.

Rob Crittenden

APPROVED BY: ROB CRITTENDEN
TRAFFIC OPERATIONS SAFETY AND ENGINEERING MANAGER

REVISION DATE: JULY 01, 2015



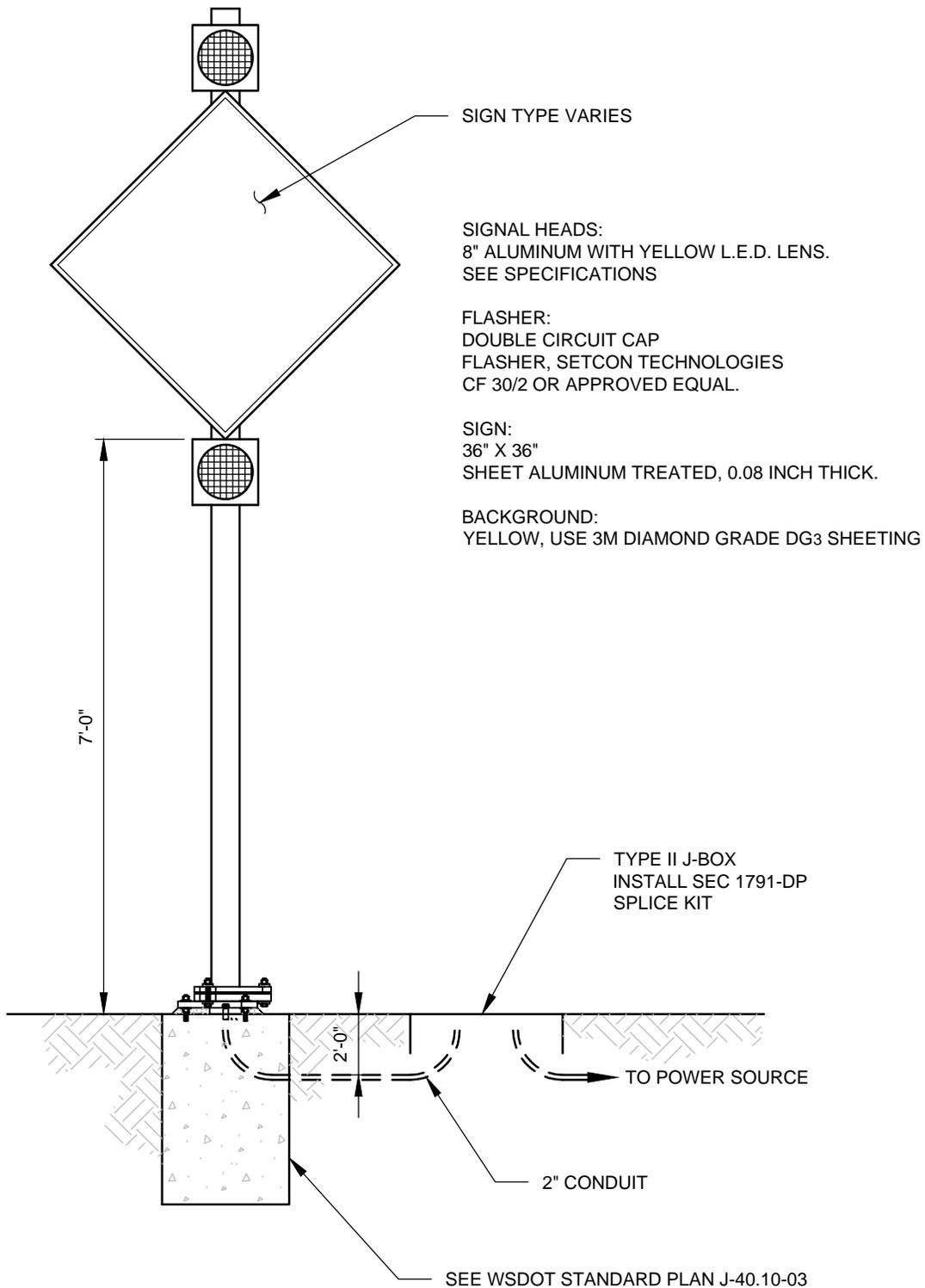
City of Redmond
WASHINGTON

STANDARD DETAILS

MAST ARM
STREET NAME SIGNS

FILE NAME: SD417.DWG

DETAIL NUMBER: 417



Rob Crittenden
 APPROVED BY: ROB CRITTENDEN
 TRAFFIC OPERATIONS SAFETY AND ENGINEERING MANAGER

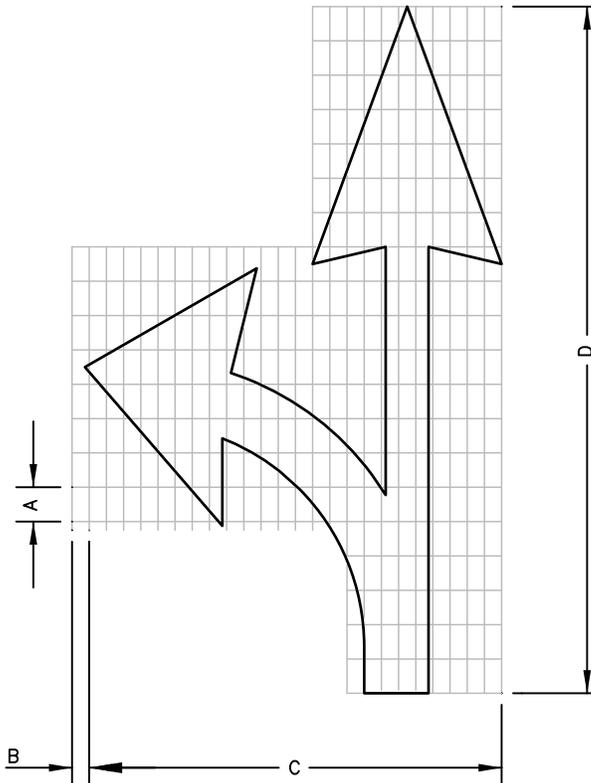
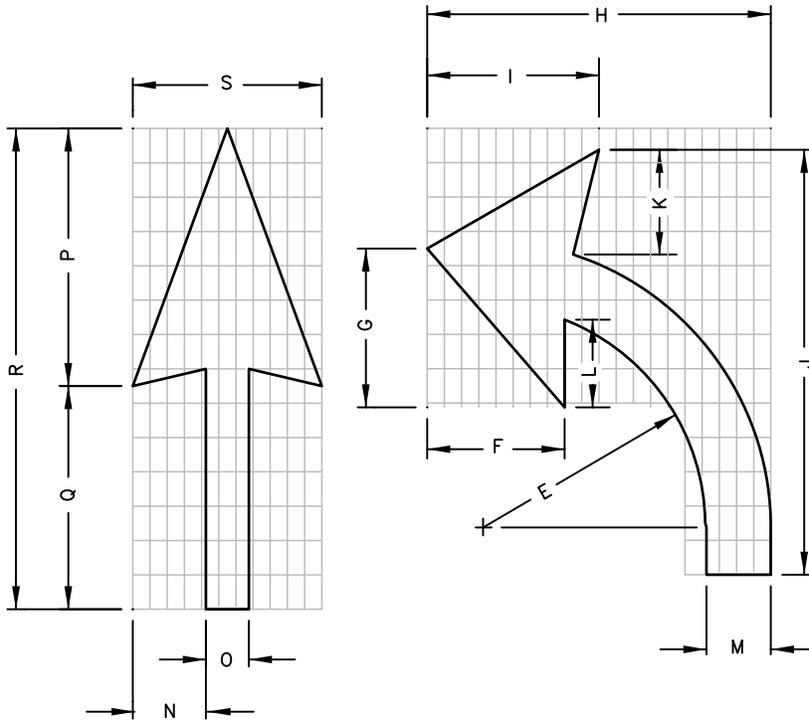
REVISION DATE: JULY 01, 2015



STANDARD DETAILS

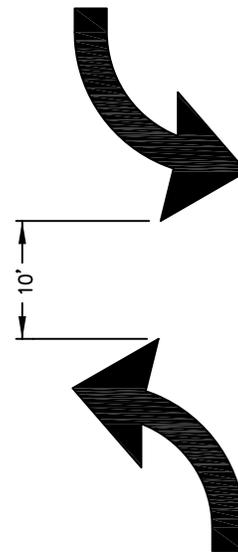
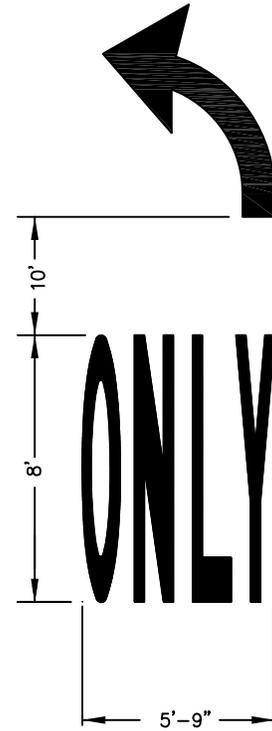
ADVANCE WARNING
SIGN/FLASHER

FILE NAME: SD418.DWG DETAIL NUMBER: 418



NOTE:

USE THERMOPLASTIC UNLESS DIRECTED OTHERWISE BY CITY TRAFFIC ENGINEER



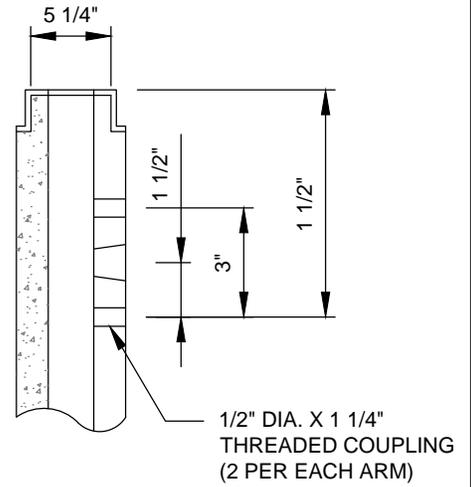
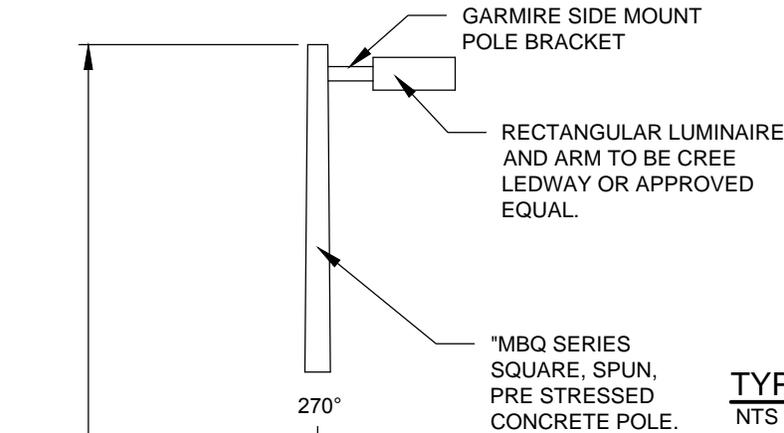
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
8"	4"	8'-0"	13'-4"	4'-4"	2'-8"	3'-1"	6'-7"	3'-4"	8'-3"	1'-11"	1'-8"	1'-3"	1'-5"	10"	5'-0"	4'-4"	9'-4"	3'-8"

Rob Crittenden
 APPROVED BY: ROB CRITTENDEN
 TRAFFIC OPERATIONS SAFETY AND ENGINEERING MANAGER
 REVISION DATE: JULY 01, 2014

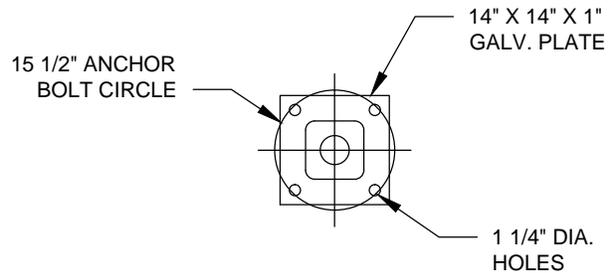


STANDARD DETAILS
LANE-USE PAVEMENT MARKINGS
 FILE NAME: SD419.DWG DETAIL NUMBER: **419**

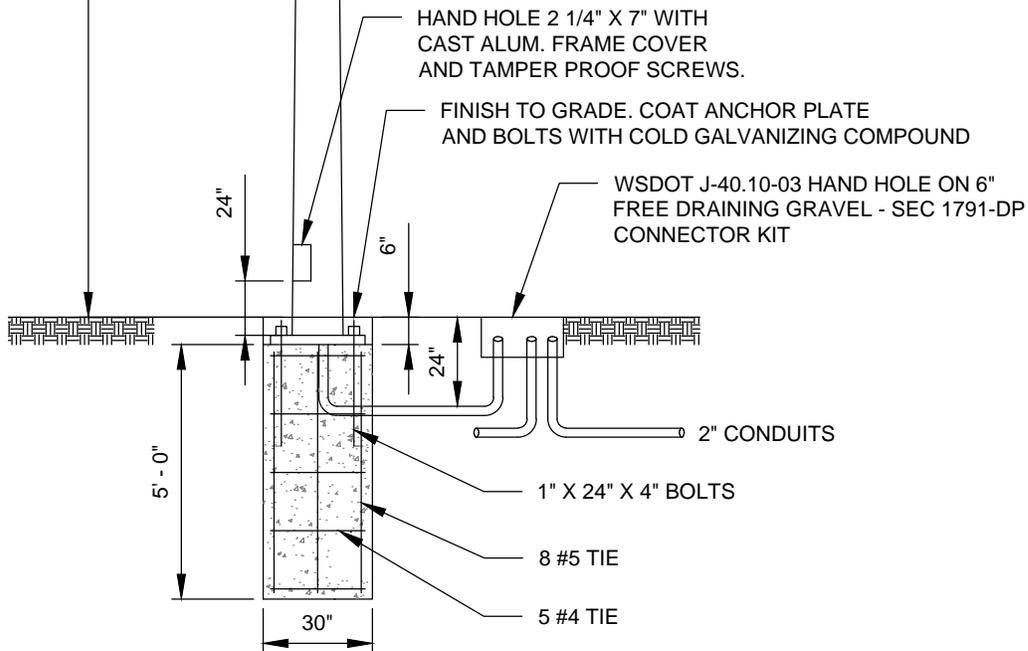
CATALOG NUMBER	MOUNTING HT.	POLE HT.	BUTT SECTION	NOMINAL WT (LBS)
MBQ - 11	35' - 5"	36' - 1"	9 7/16"	1880



TYPICAL SIDE MOUNT DETAIL
NTS



BASE PLATE
NTS



NOTES:
POLE FINISH - #113 GRAY CEMENT NATURAL EXPOSED FINISH.

Rob Crittenden

APPROVED BY: ROB CRITTENDEN
TRAFFIC OPERATIONS SAFETY AND ENGINEERING MANAGER

REVISION DATE: JULY 01, 2015



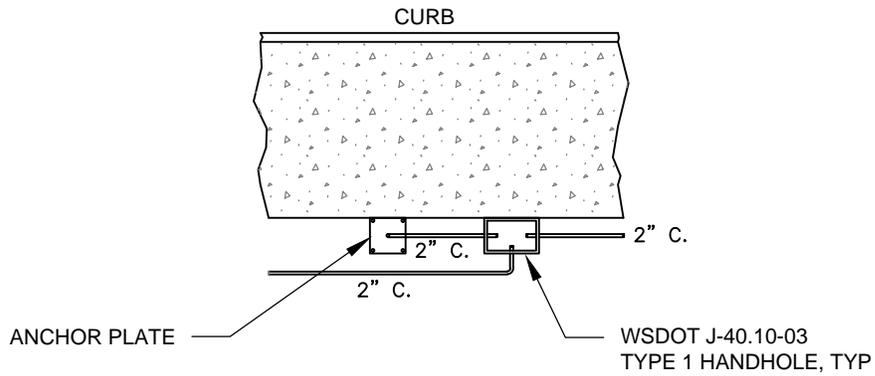
City of Redmond
WASHINGTON

STANDARD DETAILS

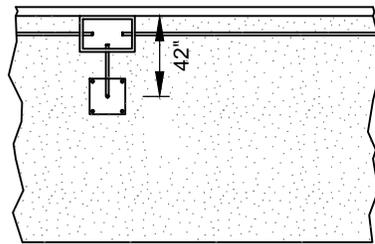
LUMINAIRE POLE
(CONCRETE SQUARE)

FILE NAME: SD420.DWG

DETAIL NUMBER: 420



SIDEWALK
NTS



NO SIDEWALK
NTS

Rob Crittenden

APPROVED BY: ROB CRITTENDEN
TRAFFIC OPERATIONS SAFETY AND ENGINEERING MANAGER

REVISION DATE: JULY 01, 2015

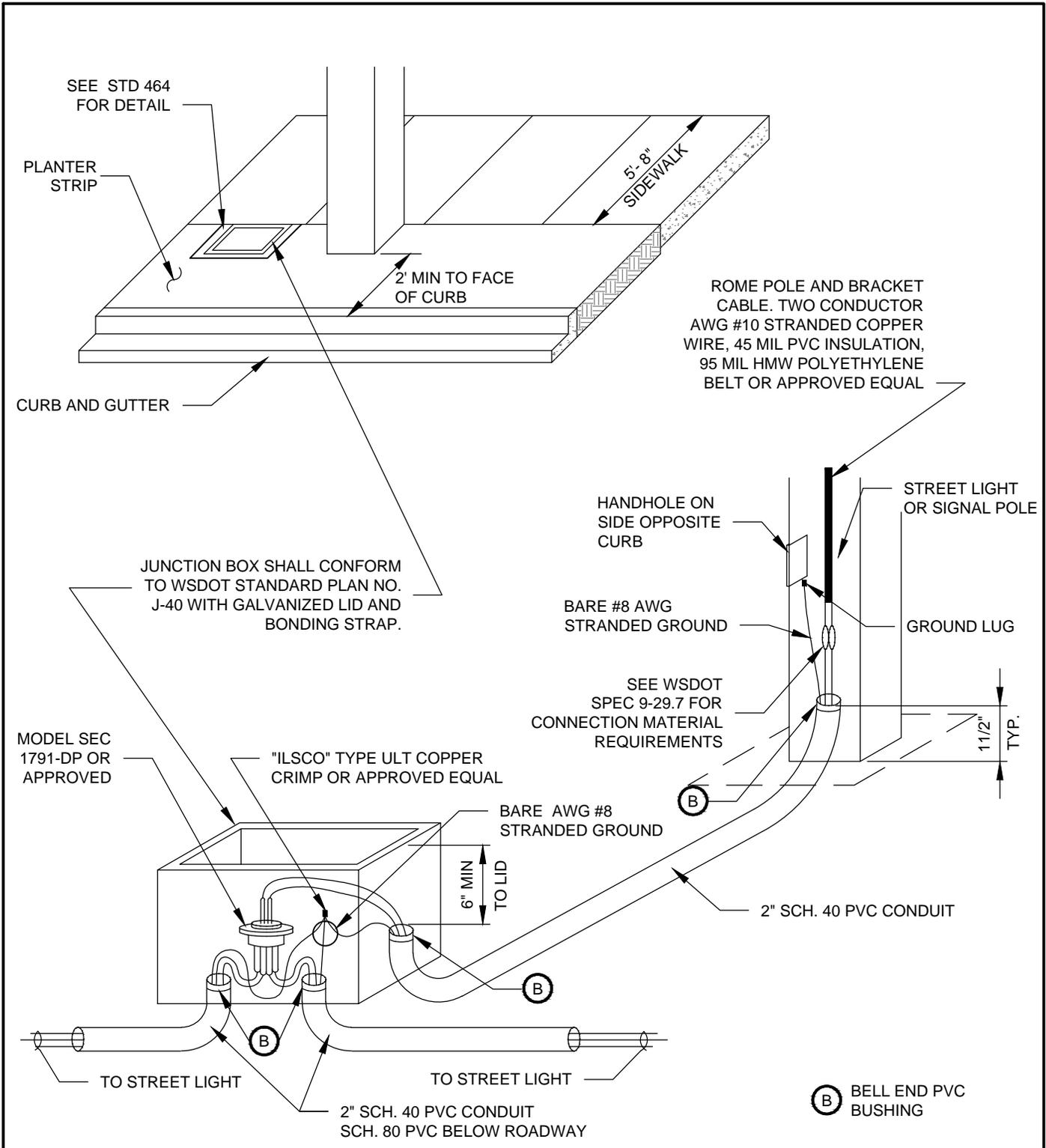


City of Redmond
WASHINGTON

STANDARD DETAILS

TYPICAL LUMINARE LOCATIONS

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 EACH LIGHT INCLUDING LAST LIGHT ON CIRCUIT.
4. SPLICE BOX SEC 1791-DP REQUIRED TO BRANCH CIRCUIT IN THREE OR MORE DIRECTIONS.

Rob Crittenden
 APPROVED BY: ROB CRITTENDEN
 TRAFFIC OPERATIONS SAFETY AND ENGINEERING MANAGER

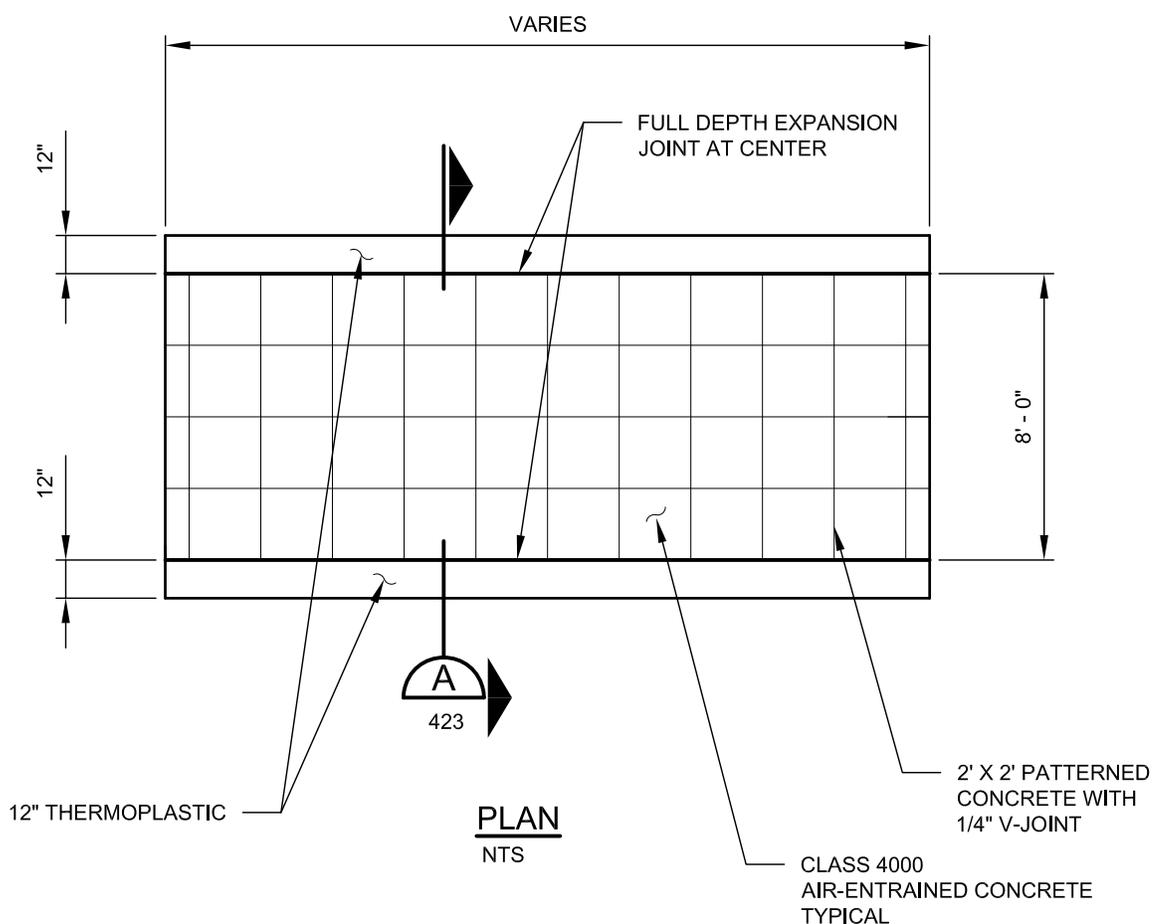
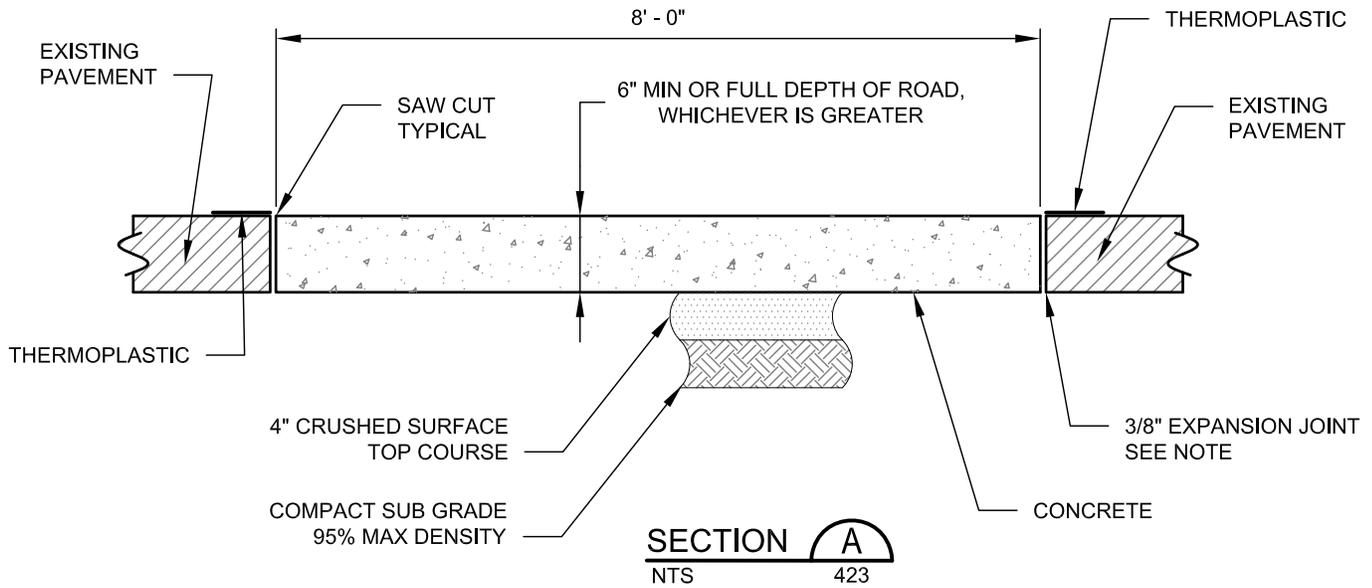
REVISION DATE: MARCH 01, 2016



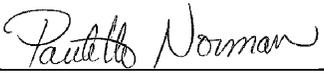
STANDARD DETAILS

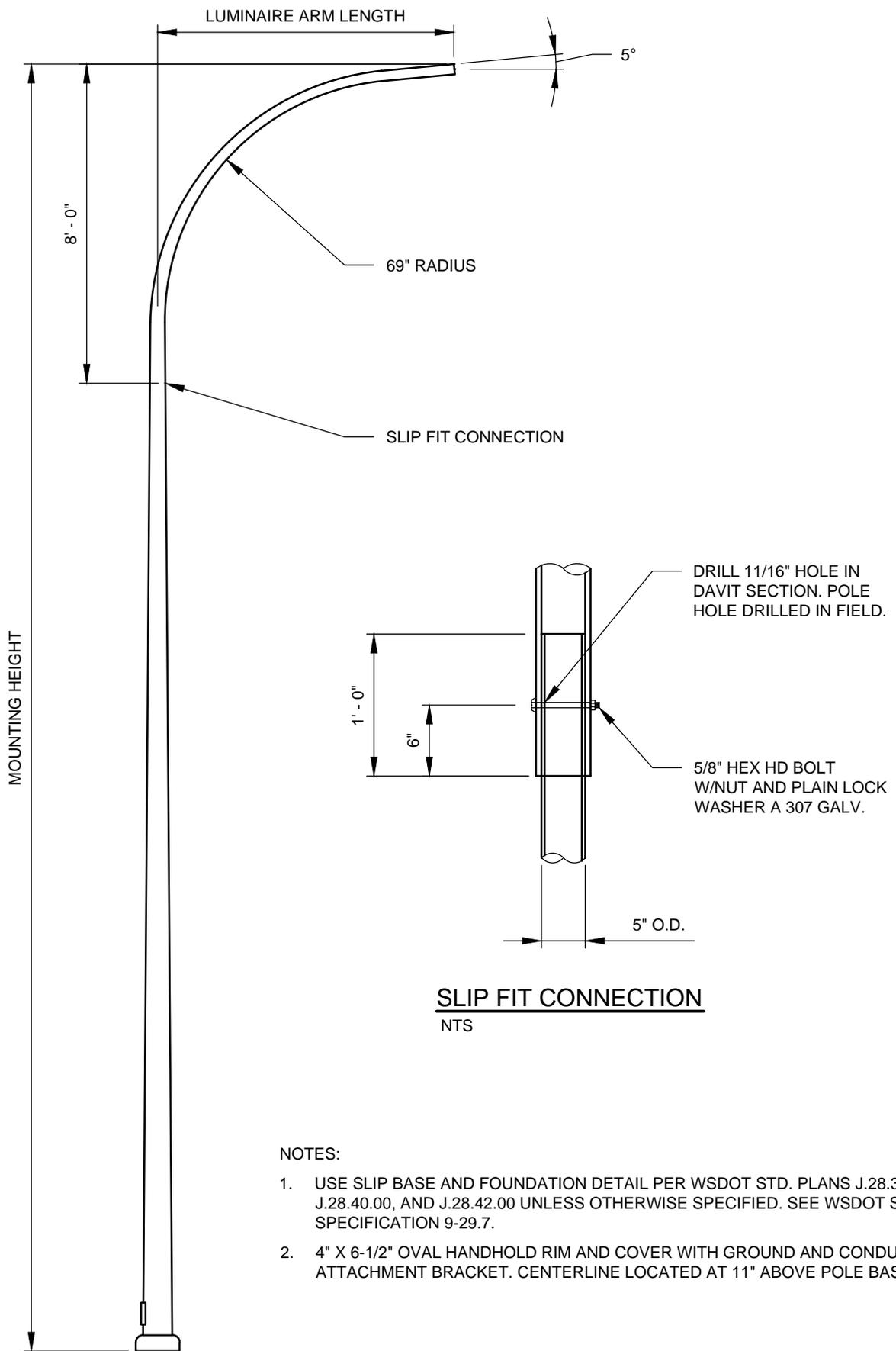
UNIFORM LUMINAIRE WIRING

FILE NAME: SD421.DWG DETAIL NUMBER: 421



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

 APPROVED BY: PAULETTE NORMAN DEVELOPMENT ENGINEERING MANAGER	 City of Redmond WASHINGTON	STANDARD DETAILS	
		PATTERNED CONCRETE CROSSWALK	
REVISION DATE: JULY 01, 2014		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.

Rob Crittenden

APPROVED BY: ROB CRITTENDEN
TRAFFIC OPERATIONS SAFETY AND ENGINEERING MANAGER

REVISION DATE: JULY 01, 2015



City of Redmond
WASHINGTON

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
OVERHEAD	ALL TYPES	ALL SPEED LIMITS	12 INCHES	9 INCHES	18" HT.	18" HT.
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.
5. UNLESS OTHERWISE SPECIFIED, ALL SIGN SHEETING SHALL BE DG³.

Rob Crittenden

APPROVED BY: ROB CRITTENDEN
TRAFFIC OPERATIONS SAFETY AND ENGINEERING MANAGER

REVISION DATE: JULY 01, 2015

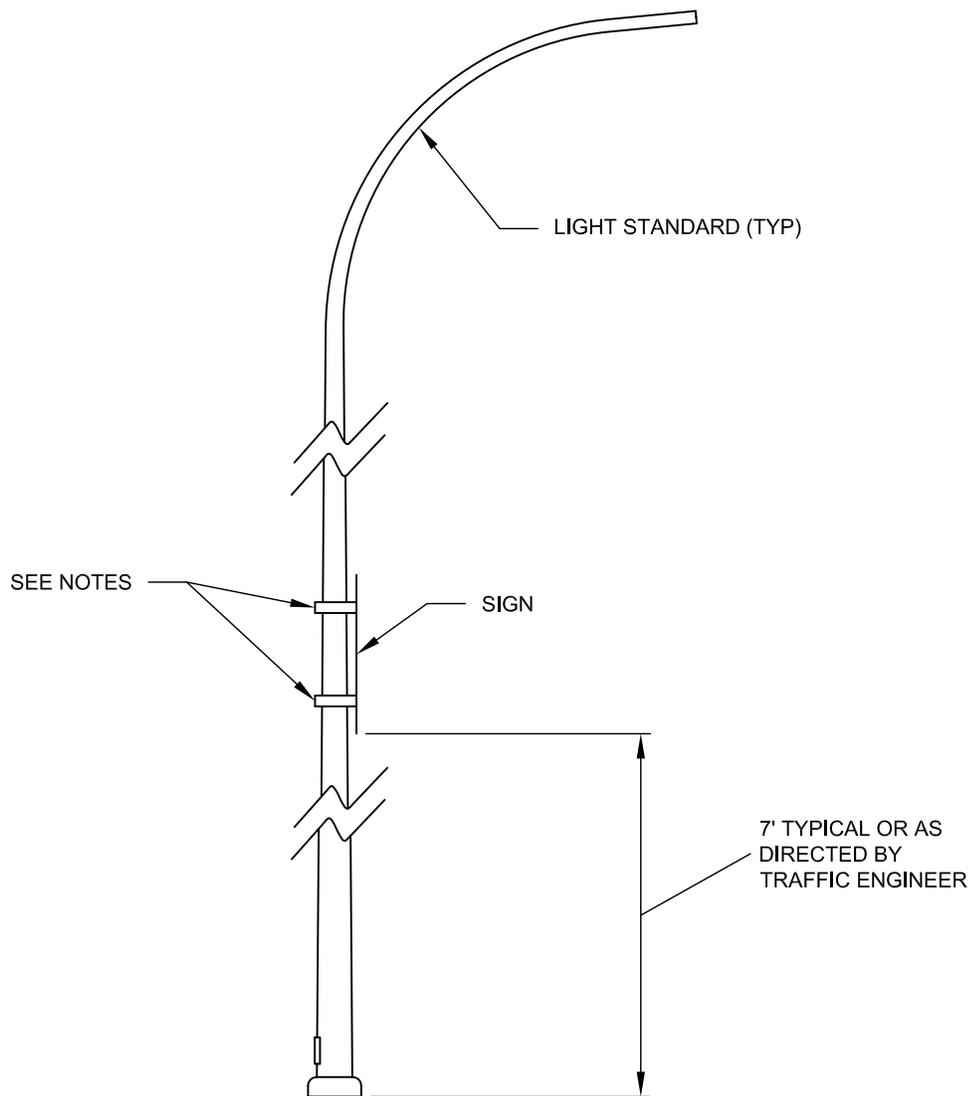


City of Redmond
WASHINGTON

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.

Rob Crittenden

APPROVED BY: ROB CRITTENDEN
TRAFFIC OPERATIONS SAFETY AND ENGINEERING MANAGER

REVISION DATE: JULY 01, 2014

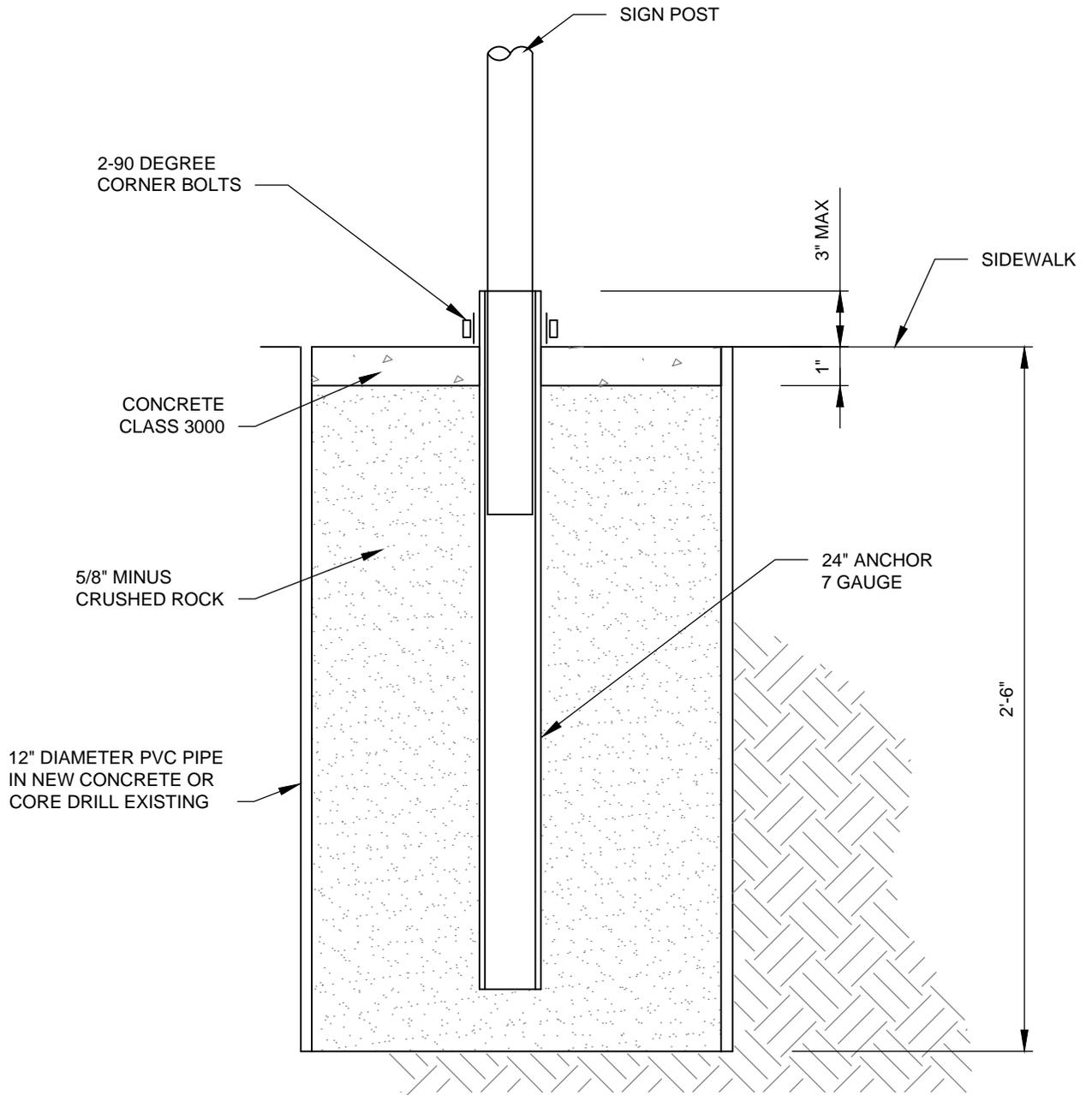


City of Redmond
WASHINGTON

STANDARD DETAILS

**STREET LIGHT POLE
MOUNTING SIGN**

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" (TYPE 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.

Rob Crittenden

APPROVED BY: ROB CRITTENDEN
TRAFFIC OPERATIONS SAFETY AND ENGINEERING MANAGER

REVISION DATE: JULY 01, 2015



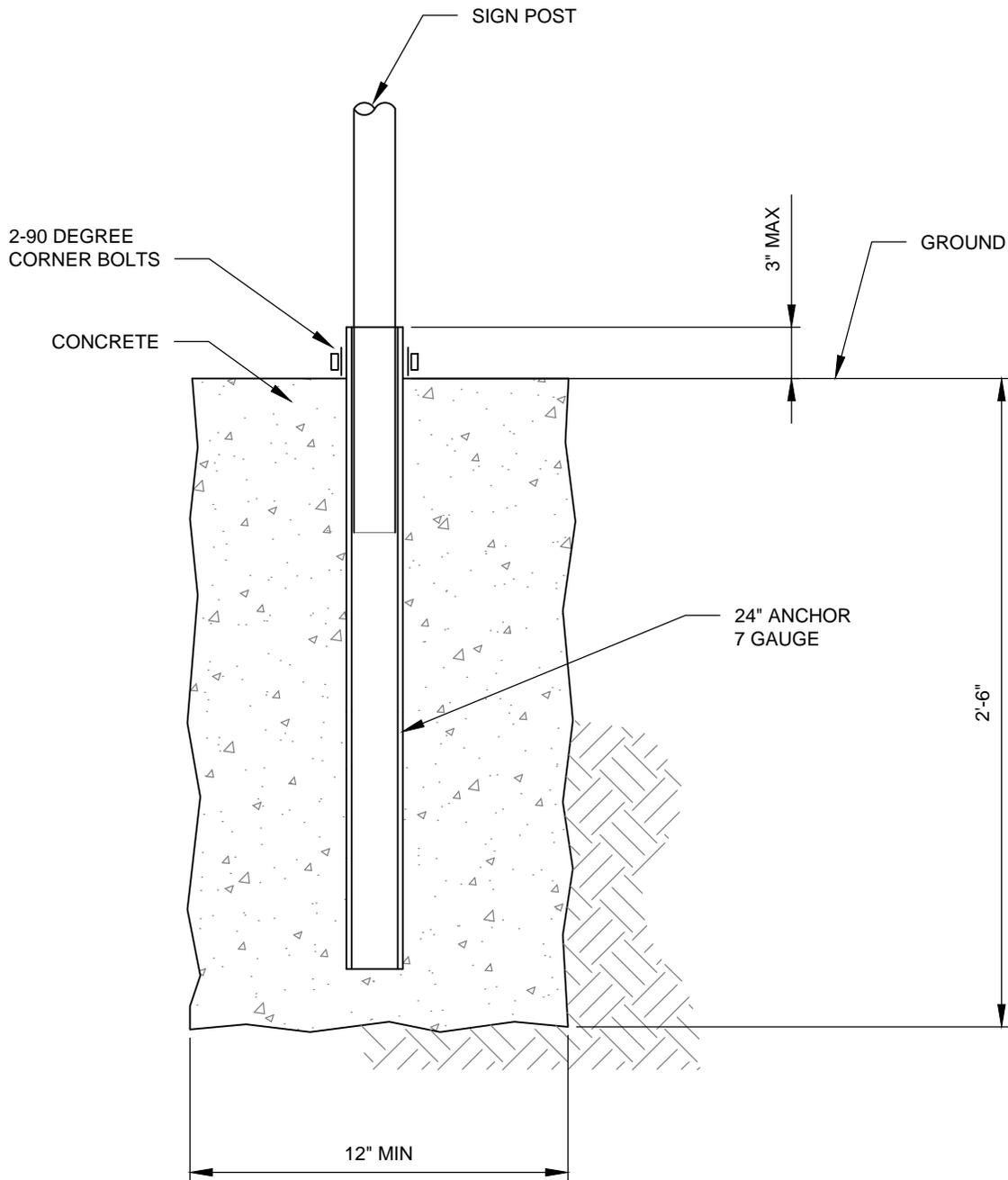
City of Redmond
WASHINGTON

STANDARD DETAILS

SIGN POST IN
CONCRETE/ASPHALT

FILE NAME: SD426C.DWG

DETAIL NUMBER: 426C



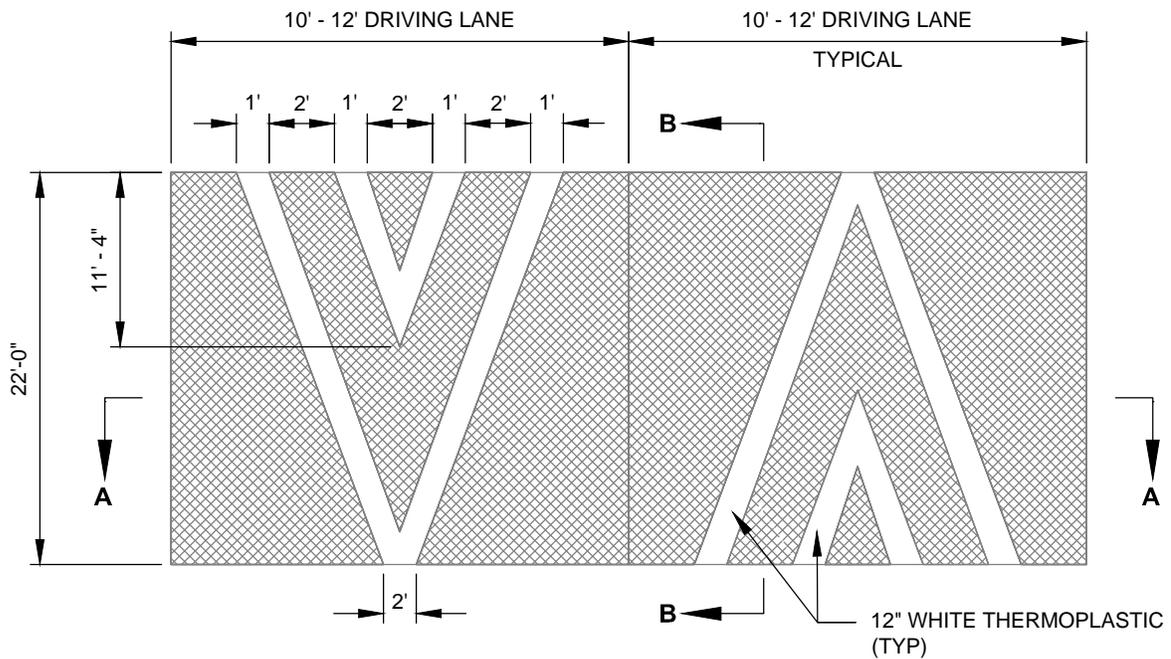
NOTES:

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.

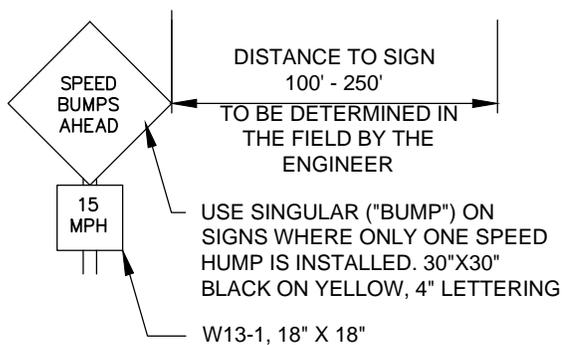
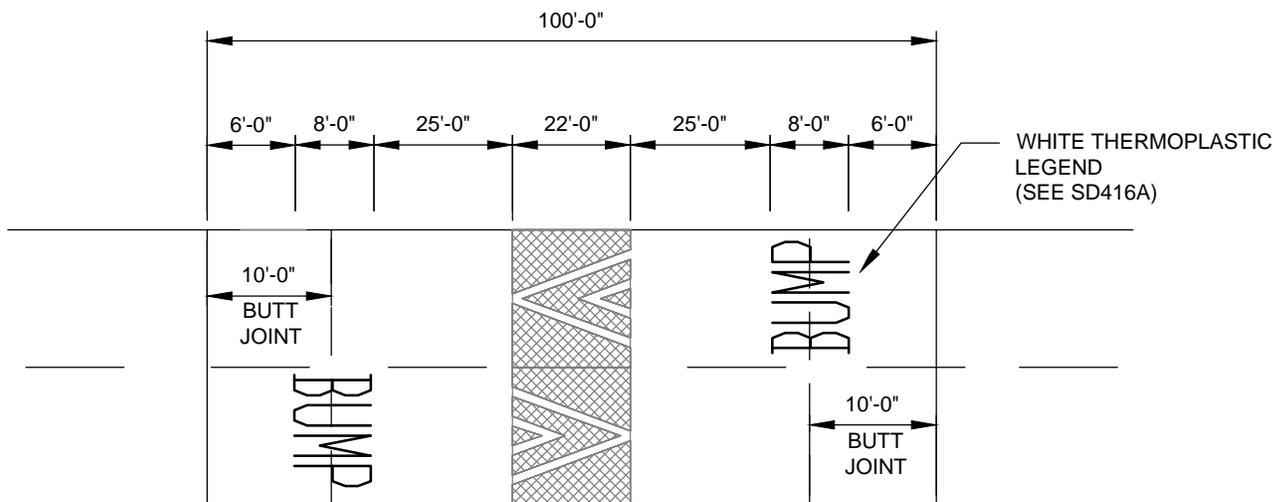
Rob Crittenden
 APPROVED BY: ROB CRITTENDEN
 TRAFFIC OPERATIONS SAFETY AND ENGINEERING MANAGER
 REVISION DATE: JULY 01, 2015



STANDARD DETAILS
 SIGN POST IN GROUND
 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. 2" OVERLAY NOT REQUIRED FOR NEW PAVEMENT OR EXISTING PAVEMENT DETERMINED TO BE IN GOOD CONDITION BY THE ENGINEER.

Rob Crittenden

APPROVED BY: ROB CRITTENDEN
TRAFFIC OPERATIONS SAFETY AND ENGINEERING MANAGER

REVISION DATE: JULY 01, 2015

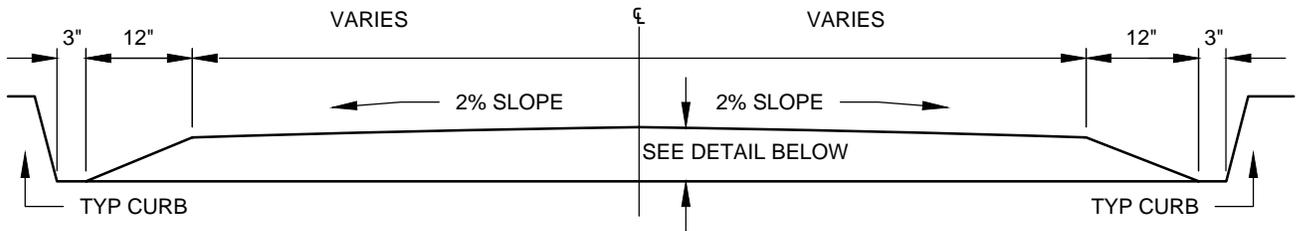


STANDARD DETAILS

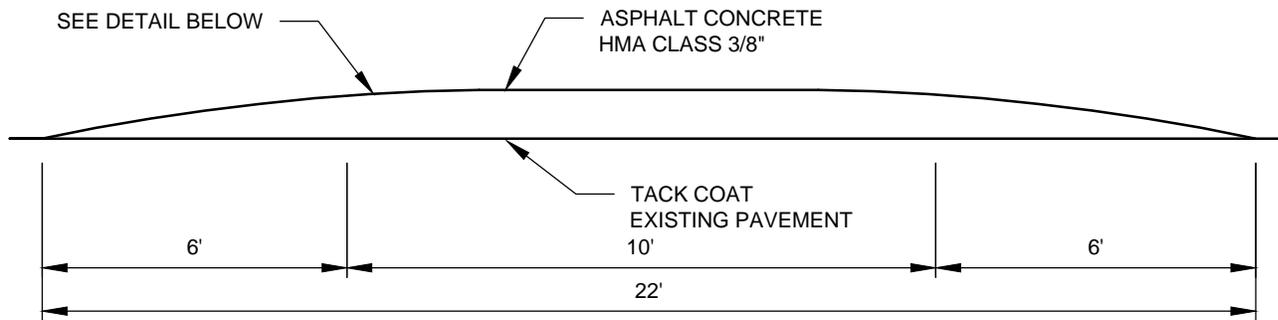
SPEED TABLE (1 OF 2)

FILE NAME: SD427.DWG

DETAIL NUMBER: 427

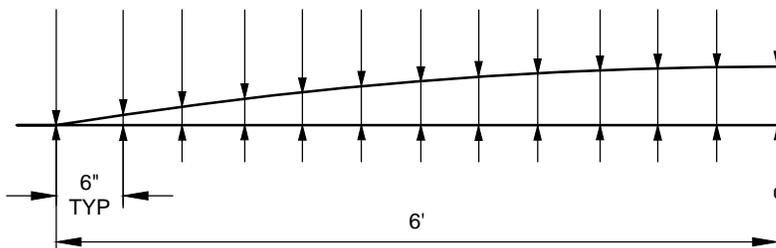


SPEED TABLE SECTION A-A
NTS



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" SPPEED 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

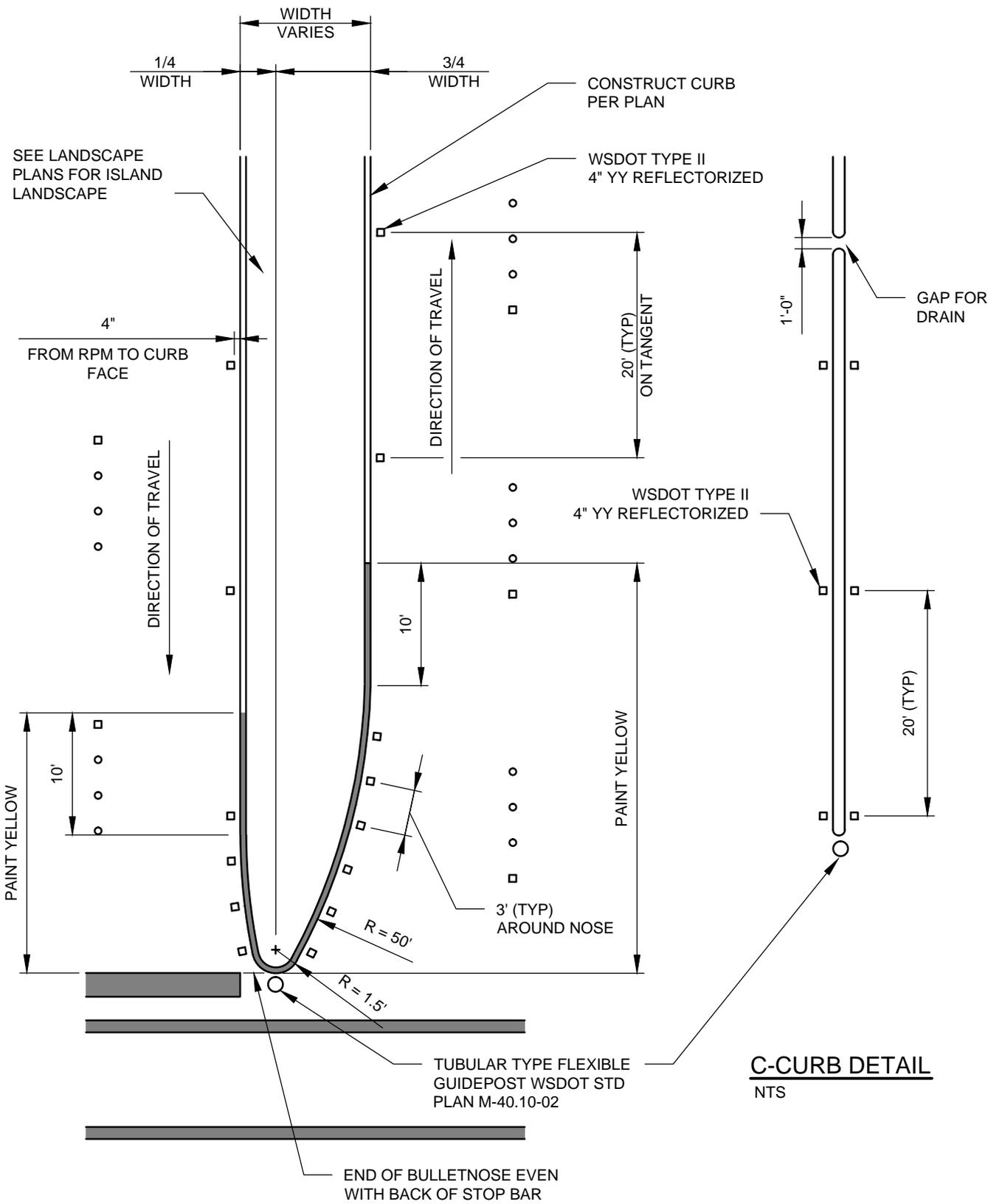


SPEED TABLE DETAIL (TYP)
NTS

Rob Crittenden
 APPROVED BY: ROB CRITTENDEN
 TRAFFIC OPERATIONS SAFETY AND ENGINEERING MANAGER
 REVISION DATE: JULY 01, 2015



STANDARD DETAILS
SPEED TABLE (2 OF 2)
 FILE NAME: SD428.DWG DETAIL NUMBER: 428



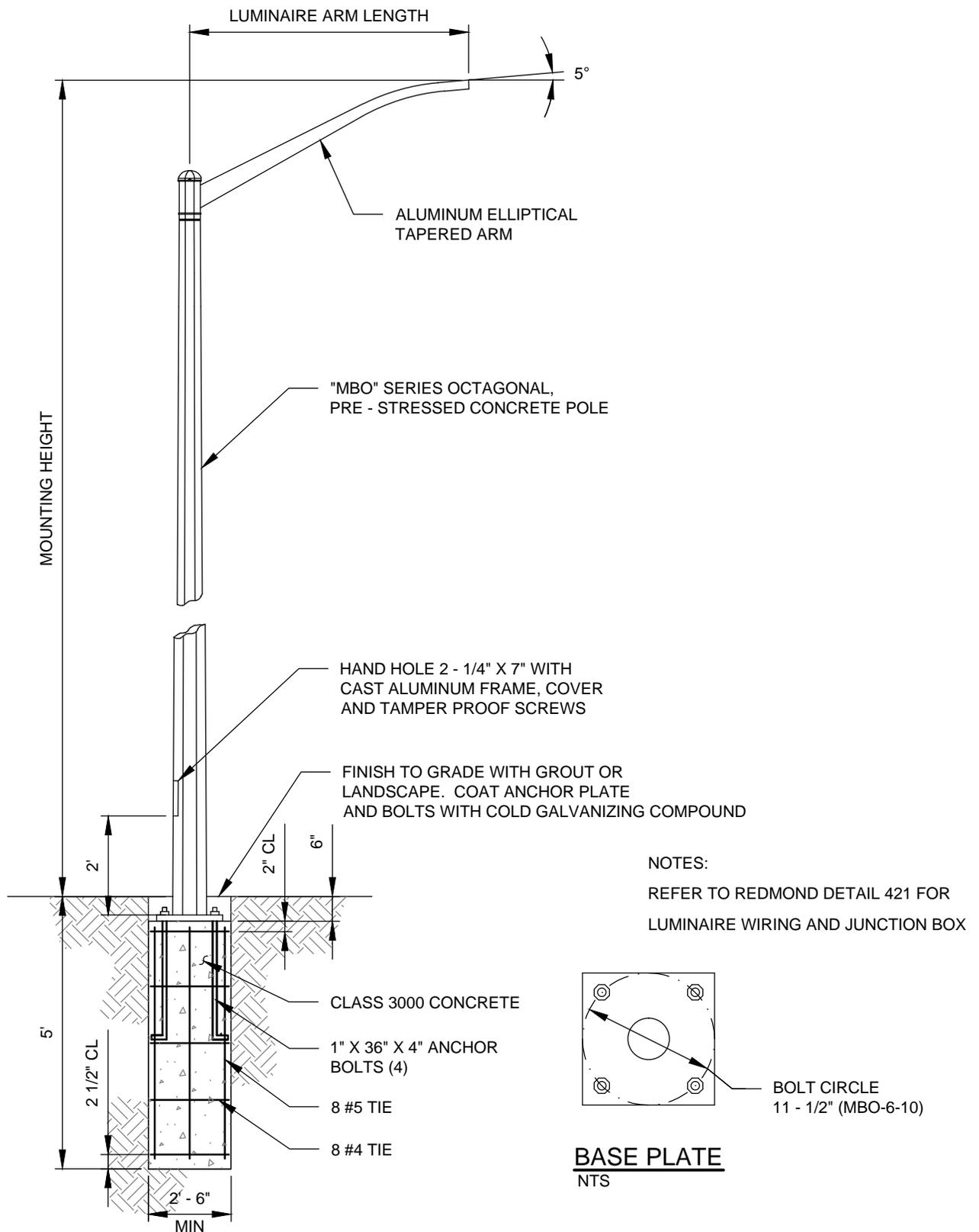
OFFSET BULLETNOSE DETAIL
NTS

C-CURB DETAIL
NTS

Rob Crittenden
 APPROVED BY: ROB CRITTENDEN
 TRAFFIC OPERATIONS SAFETY AND ENGINEERING MANAGER
 REVISION DATE: JULY 01, 2015



STANDARD DETAILS
BULLETNOSE AND C-CURB DETAIL
 FILE NAME: SD429.DWG DETAIL NUMBER: 429



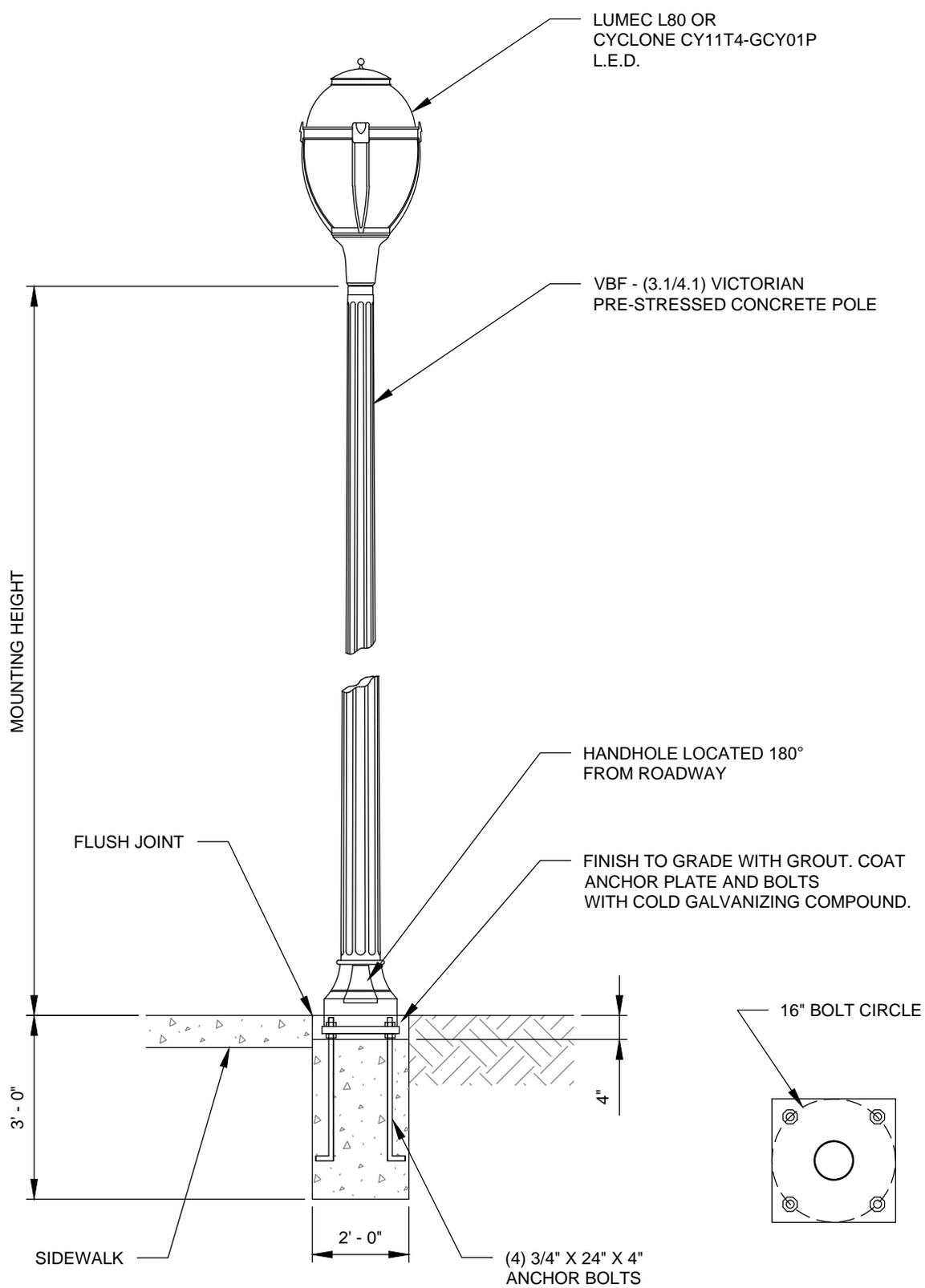
Rob Crittenden
 APPROVED BY: ROB CRITTENDEN
 TRAFFIC OPERATIONS SAFETY AND ENGINEERING MANAGER
 REVISION DATE: JULY 01, 2015



STANDARD DETAILS

CONCRETE OCTAGONAL POLE

FILE NAME: SD430.DWG DETAIL NUMBER: 430



ELEVATION
NTS

BASE PLATE
NTS

Rob Crittenden
APPROVED BY: ROB CRITTENDEN
TRAFFIC OPERATIONS SAFETY AND ENGINEERING MANAGER
REVISION DATE: JULY 01, 2015



STANDARD DETAILS
CONCRETE PEDESTRIAN SCALE
POLE
FILE NAME: SD430B.DWG | DETAIL NUMBER: 430B

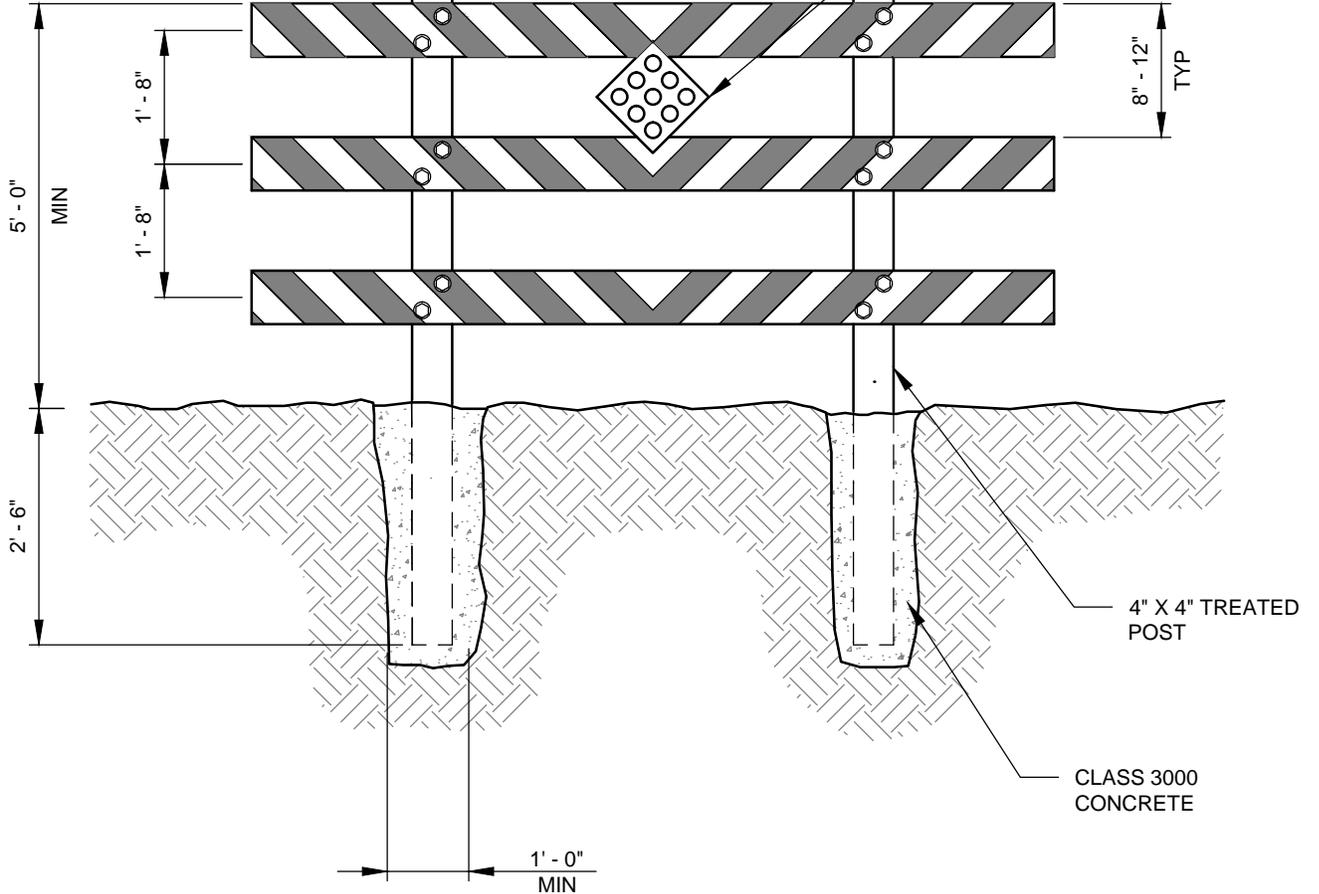
SIGN VERBIAGE AS DIRECTED
BY THE CITY ENGINEER

36" X 24" MIN
ENGINEERING
GRADE

THIS ROAD TO BE
EXTENDED IN FUTURE
CALL 425-556-2441 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.

Rob Crittenden

APPROVED BY: ROB CRITTENDEN
TRAFFIC OPERATIONS SAFETY AND ENGINEERING MANAGER

REVISION DATE: JULY 01, 2015



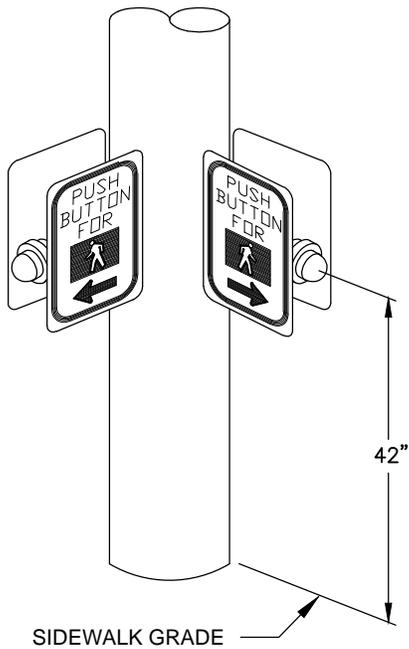
City of Redmond
WASHINGTON

STANDARD DETAILS

TYPE 3
BARRICADE

FILE NAME: SD431.DWG

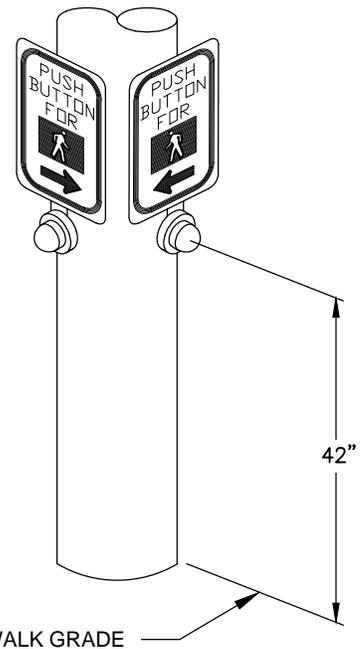
DETAIL NUMBER: 431



SIDEWALK GRADE

STYLE H-1

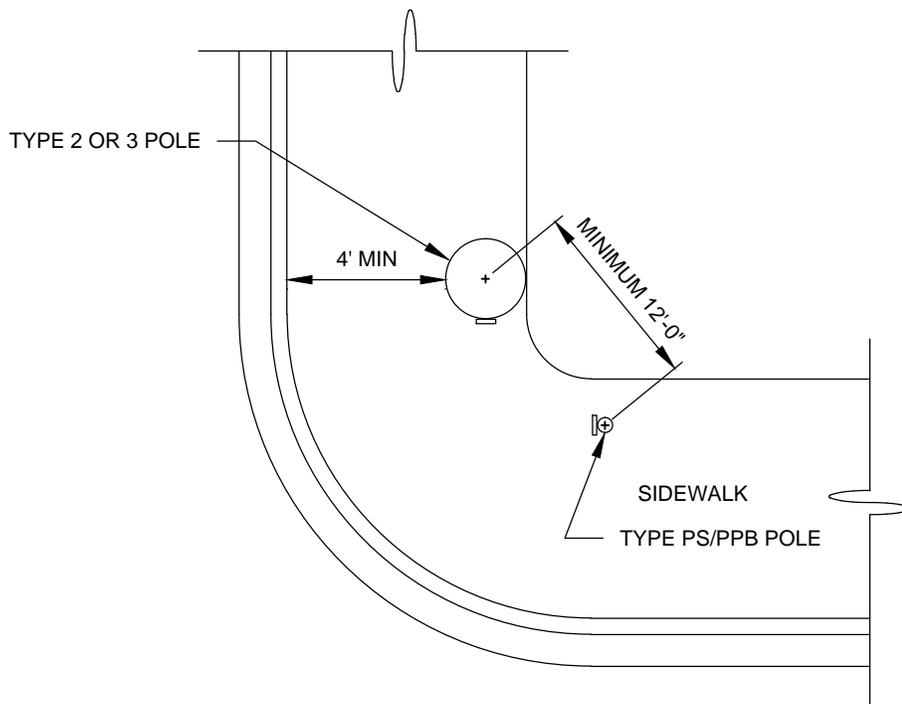
NTS



SIDEWALK GRADE

STYLE ADA

NTS



PLAN VIEW

NTS

NOTES:

1. PEDESTRIAN PUSH - BUTTON SHALL BE ACCESSIBLE STYLE UNLESS OTHERWISE SPECIFIED IN THE PLANS.
2. SEE REDMOND SIGNAL STANDARDS MANUAL FOR POLE PLACEMENT LOCATION RELATIVE TO WHEELCHAIR RAMPS.

Rob Crittenden

APPROVED BY: ROB CRITTENDEN
TRAFFIC OPERATIONS SAFETY AND ENGINEERING MANAGER

REVISION DATE: JULY 01, 2015



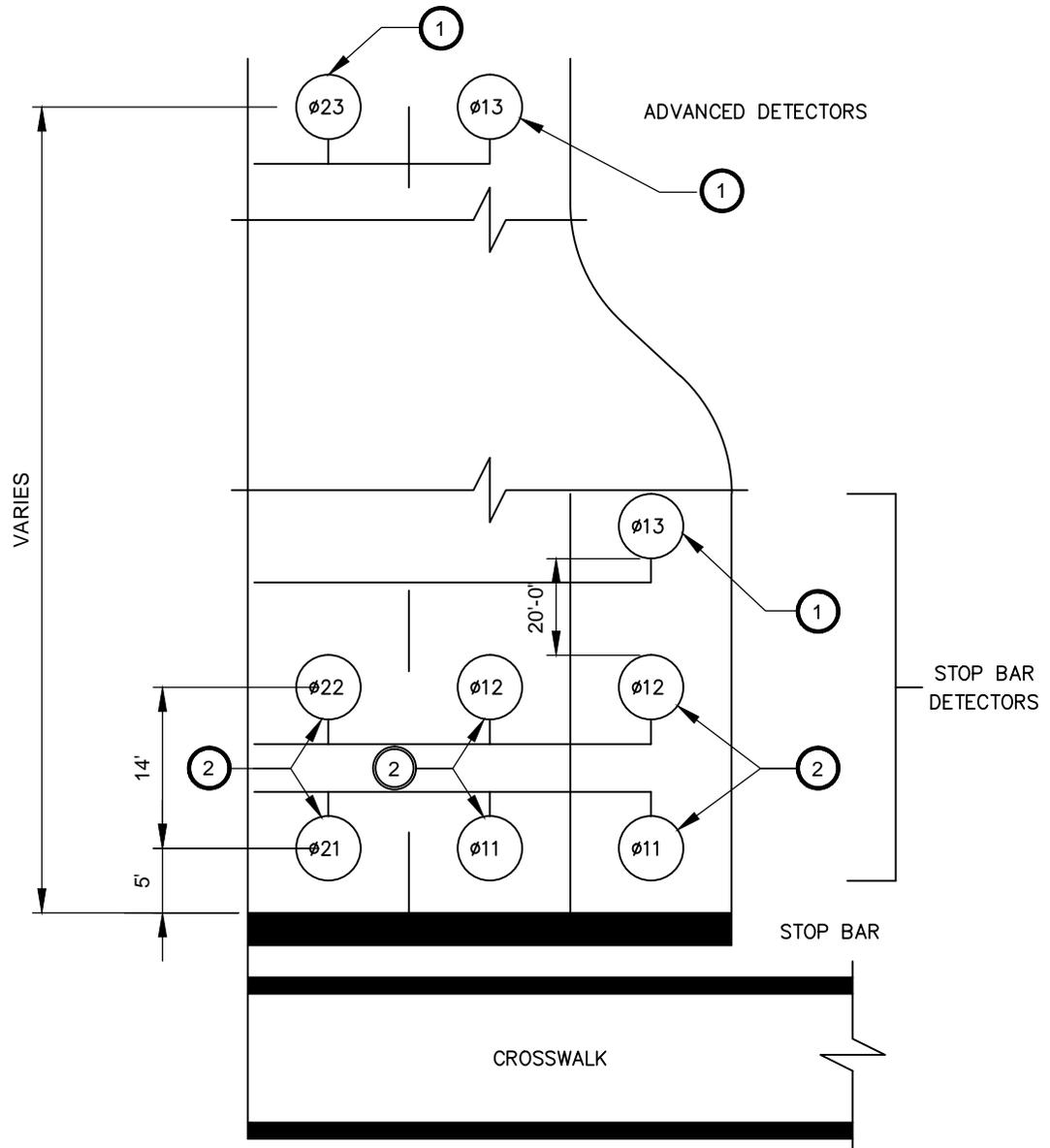
City of Redmond
WASHINGTON

STANDARD DETAILS

PEDESTRIAN PUSH BUTTON
ORIENTATION

FILE NAME: SD453.DWG

DETAIL NUMBER: 453



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. NUMBER CORRESPONDS TO THE PHASE NUMBER AS SHOWN ON THE 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 THE ENGINEER.

Rob Crittenden

APPROVED BY: ROB CRITTENDEN
TRAFFIC OPERATIONS SAFETY AND ENGINEERING MANAGER

REVISION DATE: JULY 01, 2015

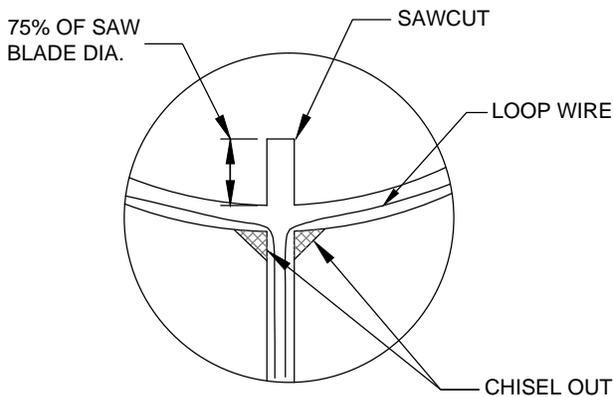
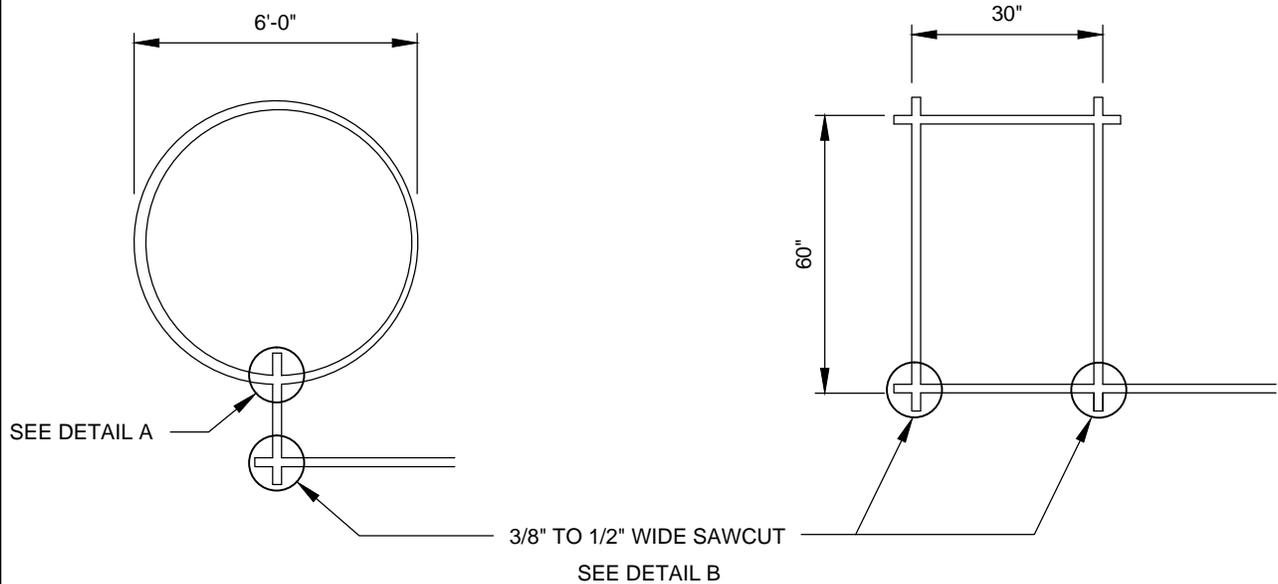


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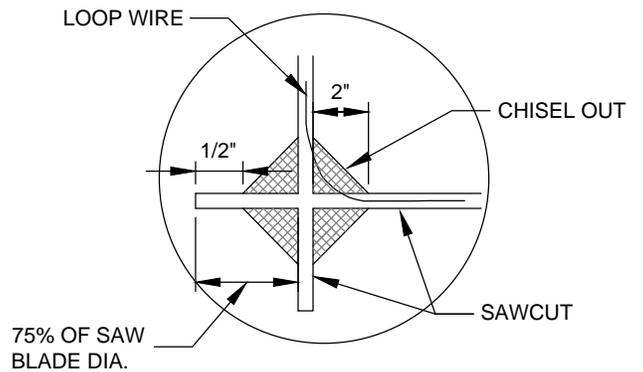
STANDARD DETAILS

LOOP DETECTOR NUMBERING
AND SPACING

FILE NAME: SD454A.DWG DETAIL NUMBER: 454A



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 BE PLACED SHALL HAVE A UNIFORM DEPTH AND SMOOTHNESS.
3. LOOP SEALANT SHALL BE CRAFCO MSI 34271. APPLY PER MANUFACTURER'S RECOMMENDATIONS.
4. ALL LOOPS SHALL HAVE 4 TURNS OF WIRE.
5. BICYCLE LOOPS SHALL HAVE 5 TURNS OF WIRE.
6. SAWCUT SHALL BE CONSTRUCTED TO MINIMIZE NUMBER OF BENDS BETWEEN LOOPS AND THE ADJACENT BOX.

Rob Crittenden

APPROVED BY: ROB CRITTENDEN
TRAFFIC OPERATIONS SAFETY AND ENGINEERING MANAGER

REVISION DATE: JULY 01, 2015



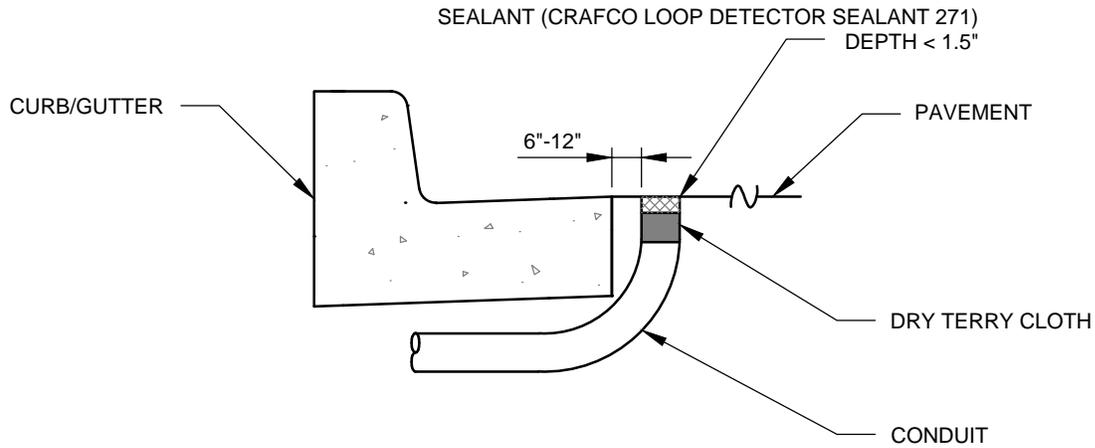
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STANDARD DETAILS

LOOP DETECTOR SAWCUT

FILE NAME: SD455.DWG

DETAIL NUMBER: 455

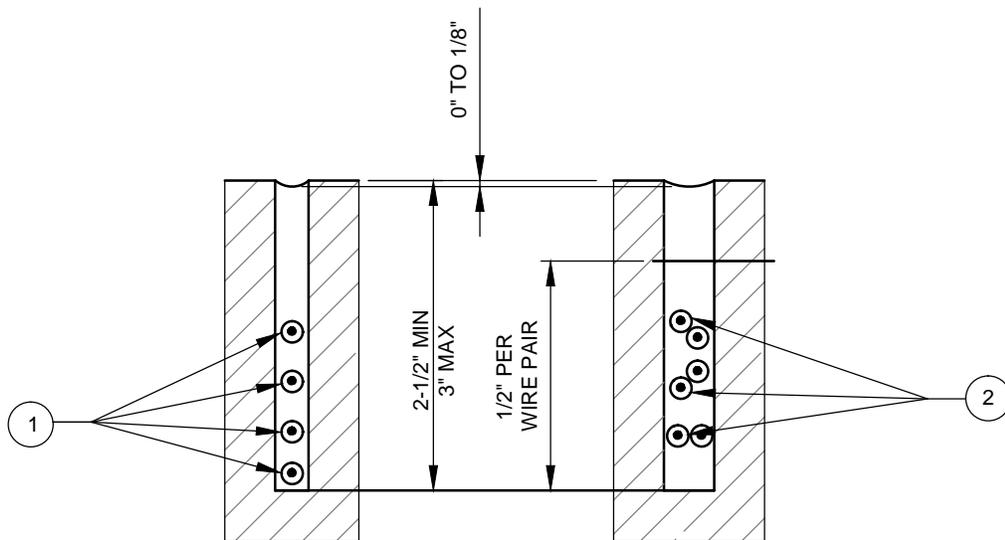


CONDUIT UNDER CURB

NTS

NOTE:

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



1/4" LOOP 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.

Rob Crittenden

APPROVED BY: ROB CRITTENDEN
 TRAFFIC OPERATIONS SAFETY AND ENGINEERING MANAGER

REVISION DATE: JULY 01, 2015



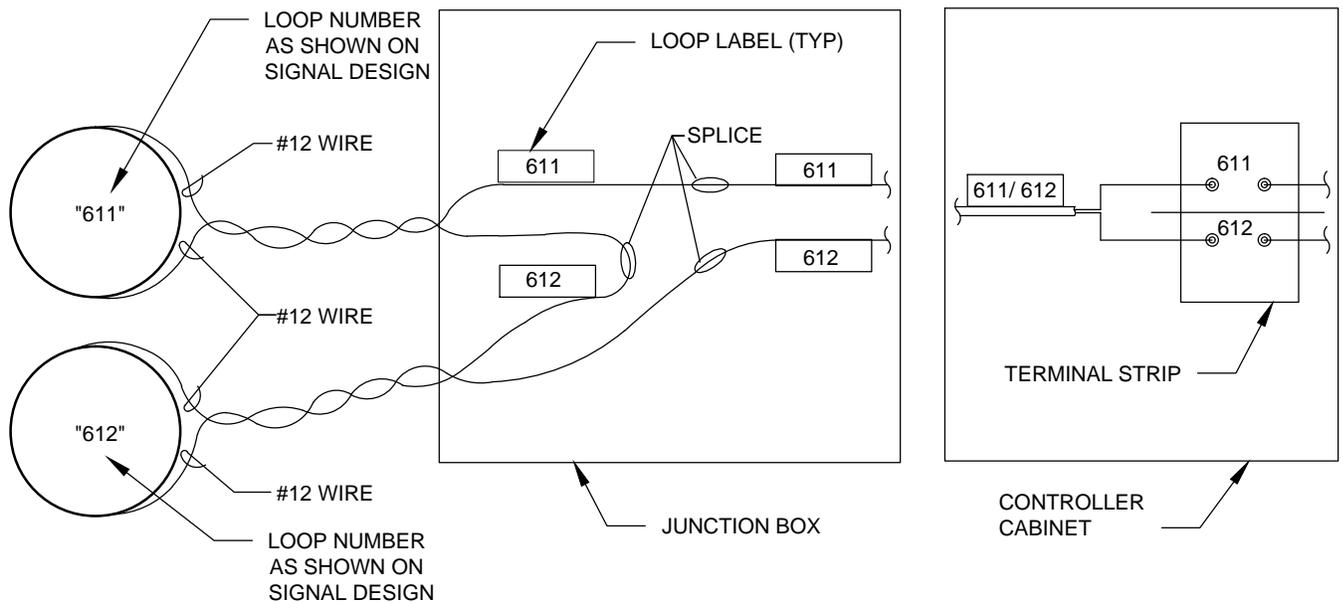
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STANDARD DETAILS

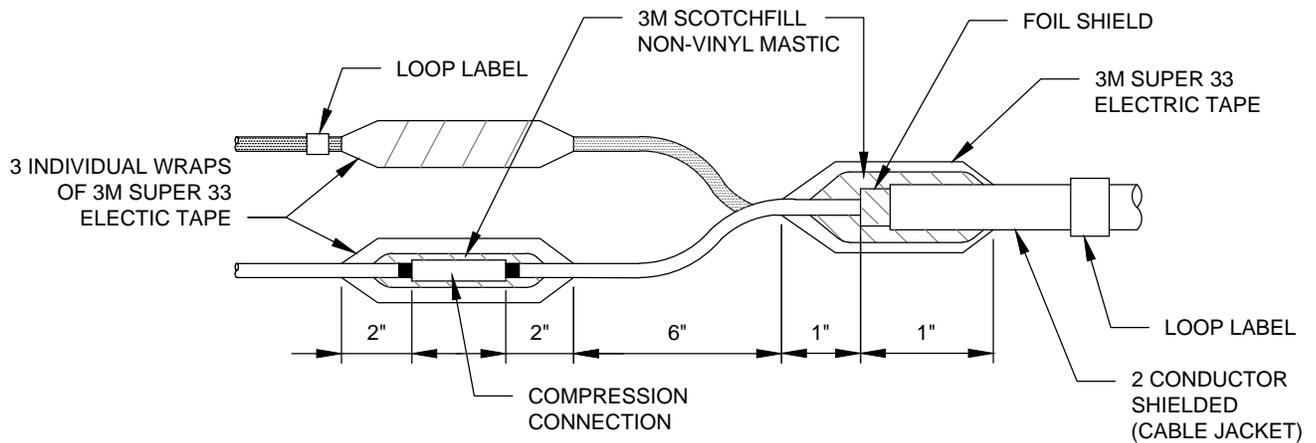
SAWCUT AND CONDUIT
 UNDER CURB

FILE NAME: SD456.DWG

DETAIL NUMBER: 456



LOOP WIRE LABELING DETAIL
NTS



LOOP SPLICE DETAIL
NTS

Rob Crittenden

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TRAFFIC OPERATIONS SAFETY AND ENGINEERING MANAGER

REVISION DATE: JULY 01, 2015



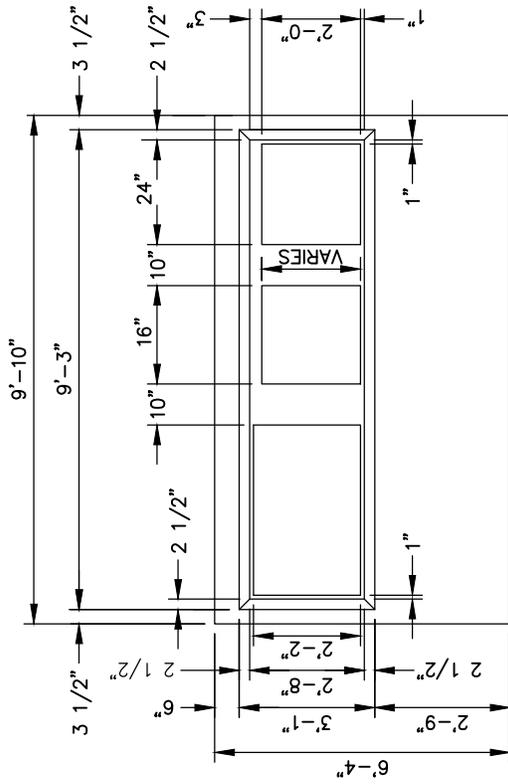
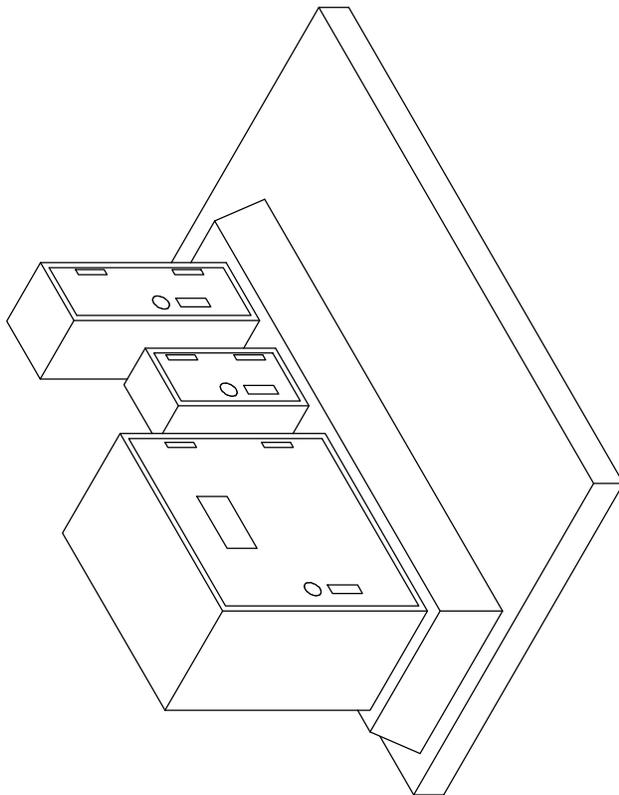
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STANDARD DETAILS

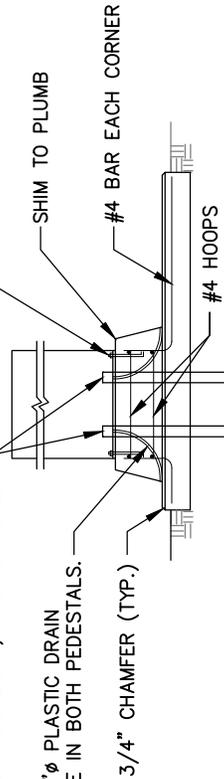
LOOP DETECTOR SPLICE AND
WIRING LABEL

FILE NAME: SD457.DWG

DETAIL NUMBER: 457



ANCHOR BOLTS AND DATA FOR SPACING TO BE SUPPLIED BY CABINET MANUFACTURER (TYP.)



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.

Rob Crittenden

APPROVED BY: ROB CRITTENDEN
TRAFFIC OPERATIONS SAFETY AND ENGINEERING MANAGER

REVISION DATE: MARCH 01, 2016



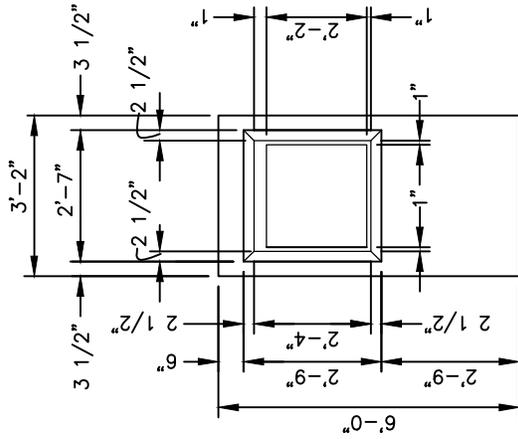
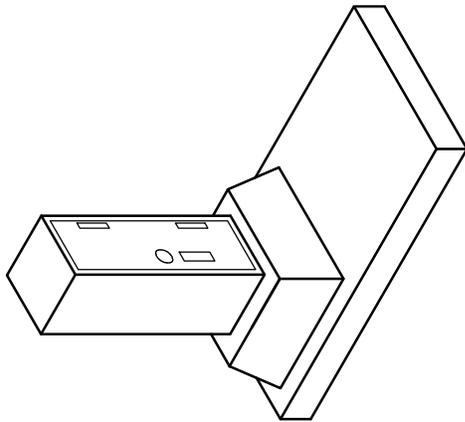
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STANDARD DETAILS

CABINET FOUNDATION

FILE NAME: SD459A.DWG

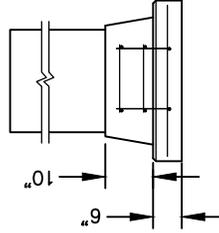
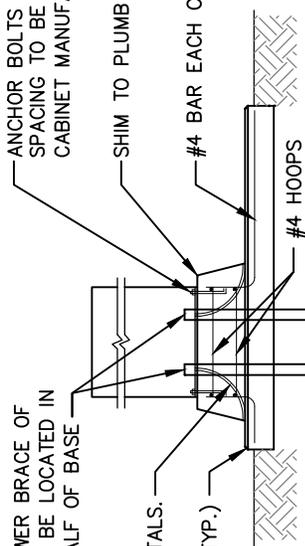
DETAIL NUMBER: 459A



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

3/8" Ø PLASTIC DRAIN TUBE IN BOTH PEDESTALS.

3/4" CHAMFER (TYP.)



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.

Rob Crittenden

APPROVED BY: ROB CRITTENDEN
TRAFFIC OPERATIONS SAFETY AND ENGINEERING MANAGER

REVISION DATE: JULY 01, 2015



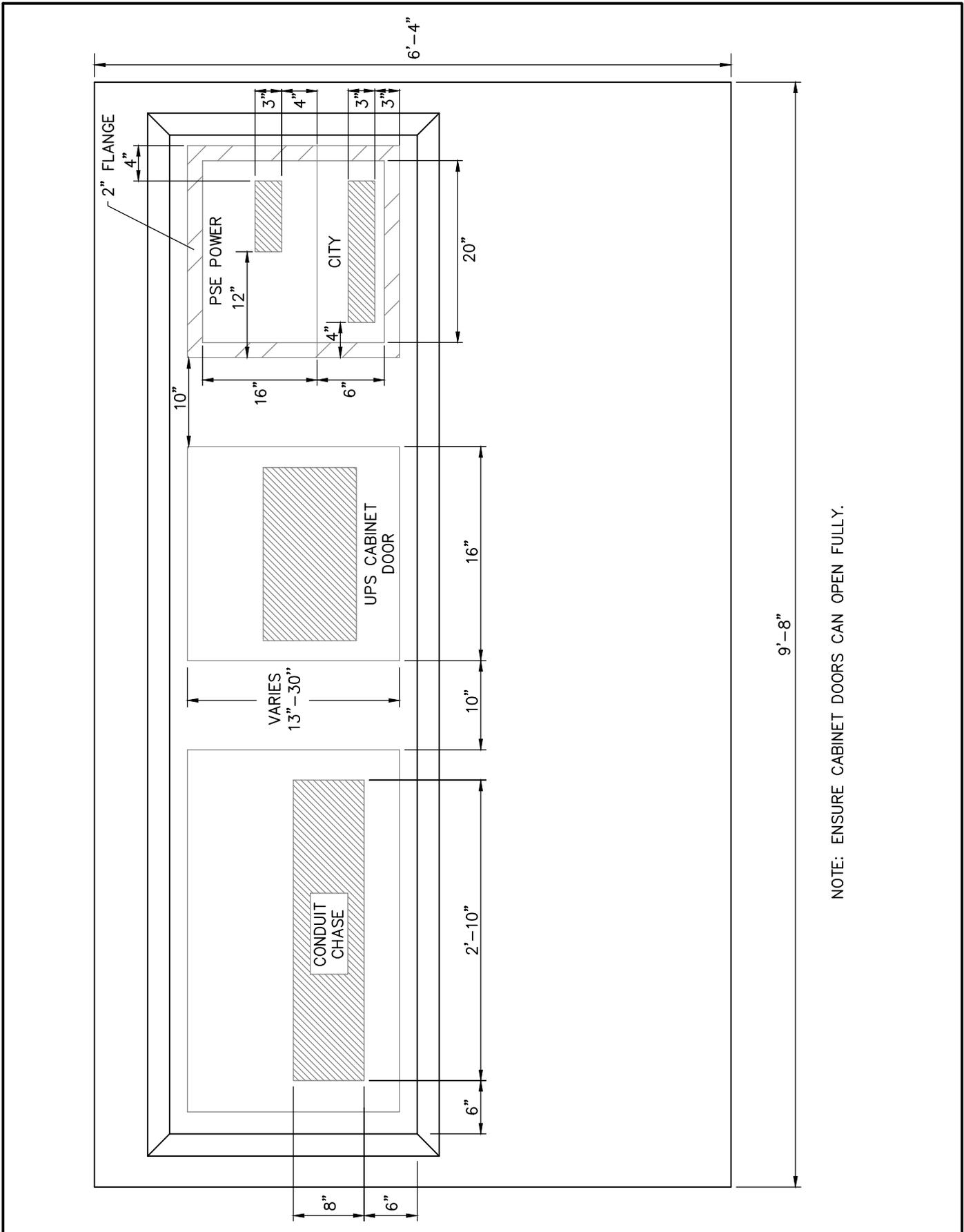
City of Redmond
WASHINGTON

STANDARD DETAILS

SERVICE CABINET
FOUNDATION

FILE NAME: SD459C.DWG

DETAIL NUMBER: 459C



NOTE: ENSURE CABINET DOORS CAN OPEN FULLY.

Rob Crittenden
 APPROVED BY: ROB CRITTENDEN
 TRAFFIC OPERATIONS SAFETY AND ENGINEERING MANAGER
 REVISION DATE: MARCH 01, 2016

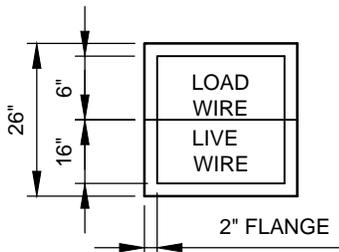
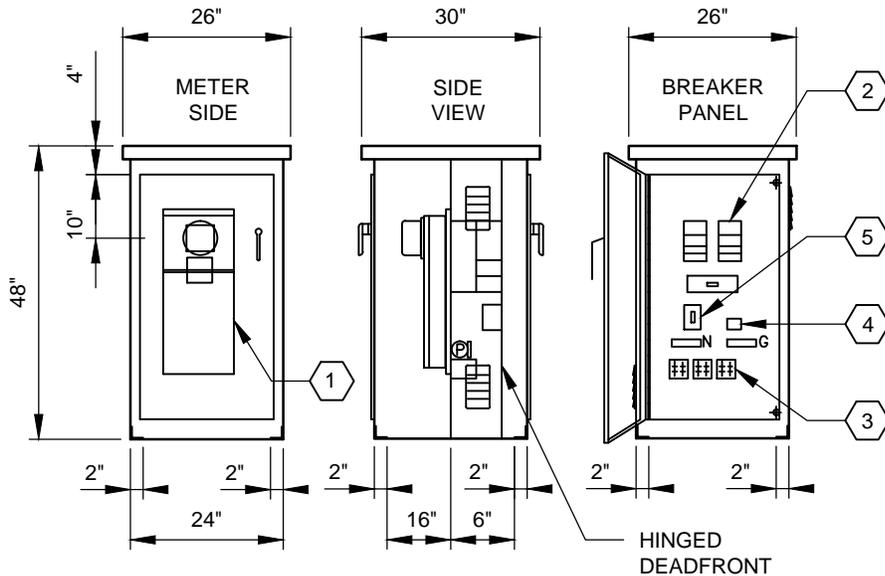


STANDARD DETAILS
 CONTROLLER AND SERVICE
 CABINET FOOTPRINT
 FILE NAME: SD460.DWG DETAIL NUMBER: 460

COMPONENT SCHEDULE

- ① METERBASE: 200 AMP, 4 JAW, AW NO. 124TB SAFETY SOCKET, WITH 5TH JAW AT 9:00 POSITION
- ② PANELBOARD: 120/240 VAC, 200 AMP. 1 PHASE, 3 WIRE. COPPER BUS, 12 CIRCUIT
 MAIN BREAKER: 125 AMP, 2 POLE, CUTLER HAMMER NO. ED2125 65K AIC SERIES RATED
 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 CONTACTOR: 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

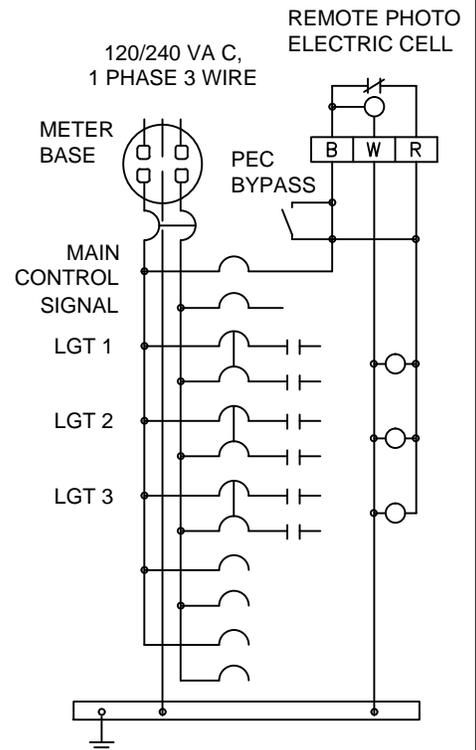
CABINET: NEMA 3R PADMOUNT, 1/8" ALUMINUM TYPE 5052-H32 CONSTRUCTION
 2 SCREENED AND GASKETED VENTS
 HINGED DEADFRONT WITH 1/4 TURN FASTENERS ON DISTRIBUTION SECTION
 DOORS: HEAVY DUTY CONCEALED HINGES (LIFT-OFF TYPE)
 STAINLESS STEEL VAULT HANDLES
 PADLOCKABLE ON METER DOOR, INTEGRAL "BEST LOCK" ON DISTRIBUTION DOOR
 POLISHED WIRE GLASS WINDOW IN METER DOOR
 CLOSED CELL NEOPRENE GASKET, CARD HOLDER
 FINISH: OUTSIDE FINISH SHALL BE ANSI 61 GRAY POLYESTER POWDERCOAT OVER ZINC PRIME. INSIDE FINISH SHALL BE WHITE.



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

CITY OF REDMOND
 SERVICE CABINET SERIES 47995-R4
 10-7-14 M.E. BELL
 SKYLINE ELECTRIC AND MFG COMPANY

SERVICE CABINET
 NTS



WIRING SCHEMATIC
 NTS

Rob Crittenden

APPROVED BY: ROB CRITTENDEN
 TRAFFIC OPERATIONS SAFETY AND ENGINEERING MANAGER

REVISION DATE: JULY 01, 2015



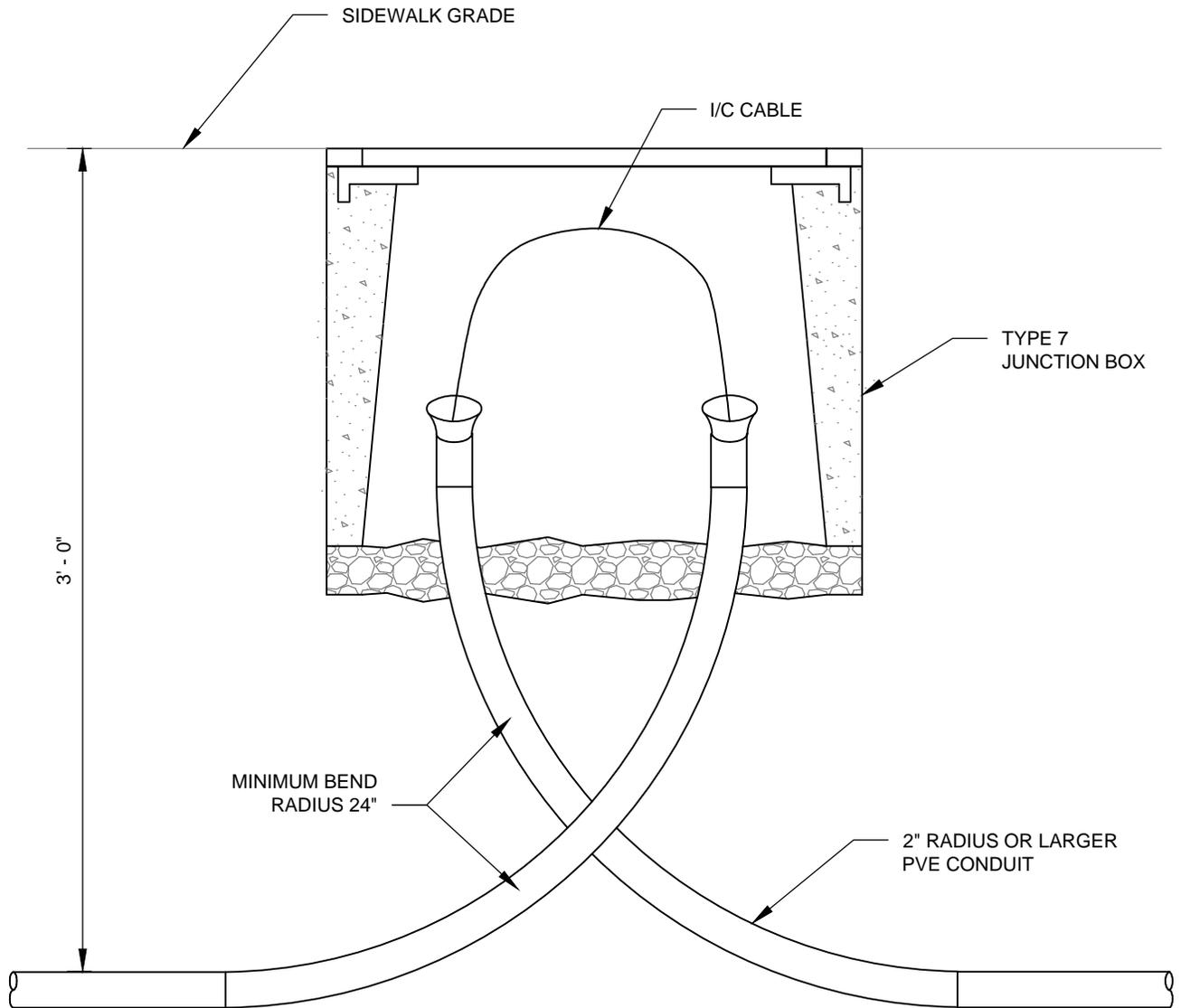
City of Redmond
 WASHINGTON

STANDARD DETAILS

SERVICE CABINET

FILE NAME: SD461.DWG

DETAIL NUMBER: 461



NOTES:

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

Rob Crittenden

APPROVED BY: ROB CRITTENDEN
TRAFFIC OPERATIONS SAFETY AND ENGINEERING MANAGER

REVISION DATE: JULY 01, 2015



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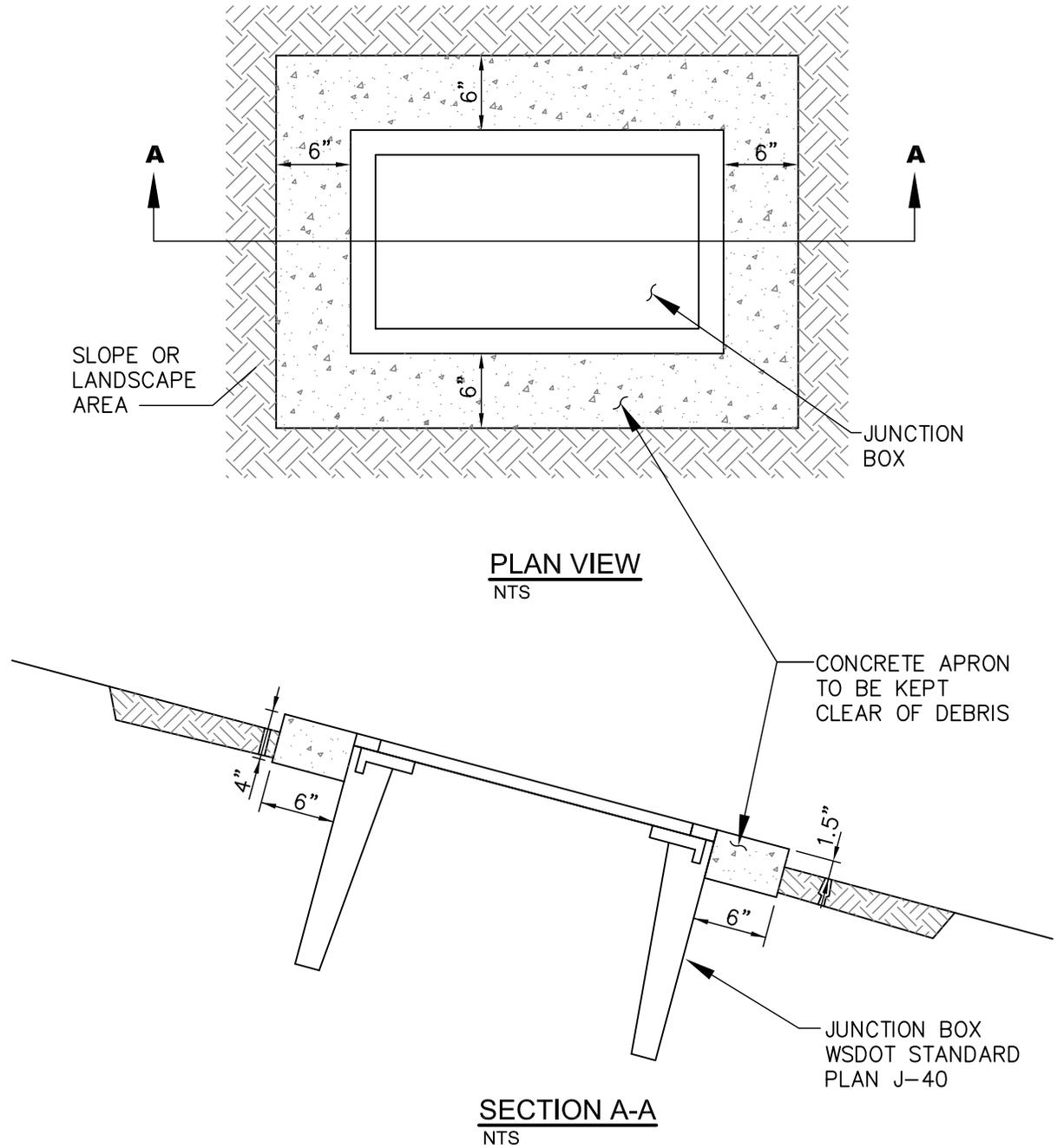
STANDARD DETAILS

INTERCONNECT CABLE AND
CONDUIT JUNCTION BOX

FILE NAME: SD462.DWG

DETAIL NUMBER: 462

JUNCTION BOX ON SLOPE OR LANDSCAPE AREAS

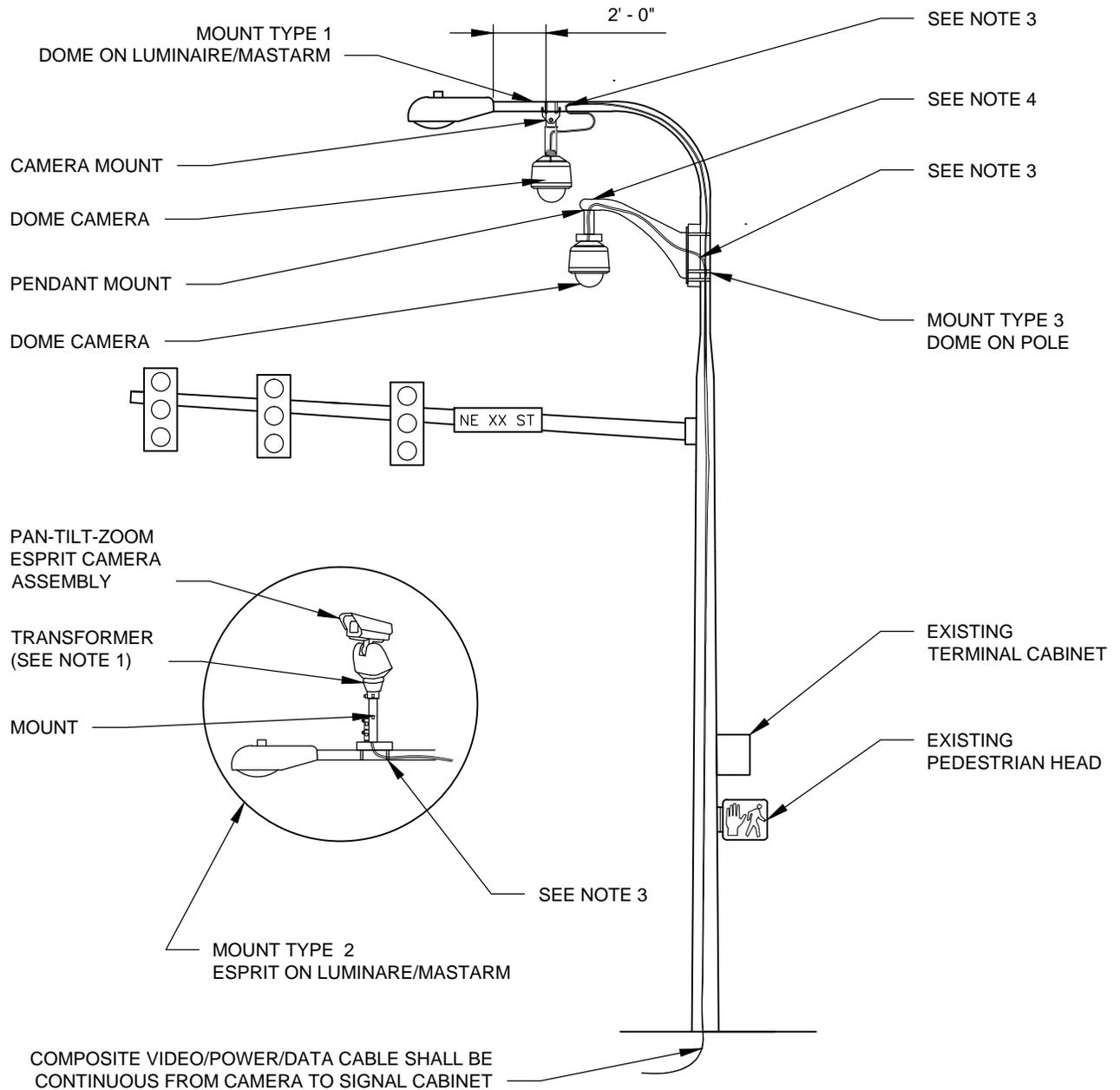


FOR NEW CONSTRUCTION AND MODIFICATION OF EXISTING J-BOX

Rob Crittenden
 APPROVED BY: ROB CRITTENDEN
 TRAFFIC OPERATIONS SAFETY AND ENGINEERING MANAGER
 REVISION DATE: JULY 01, 2014



STANDARD DETAILS
**JUNCTION BOX ON SLOPE OR
 SOFT AREAS**
 FILE NAME: SD464.DWG DETAIL NUMBER: **464**



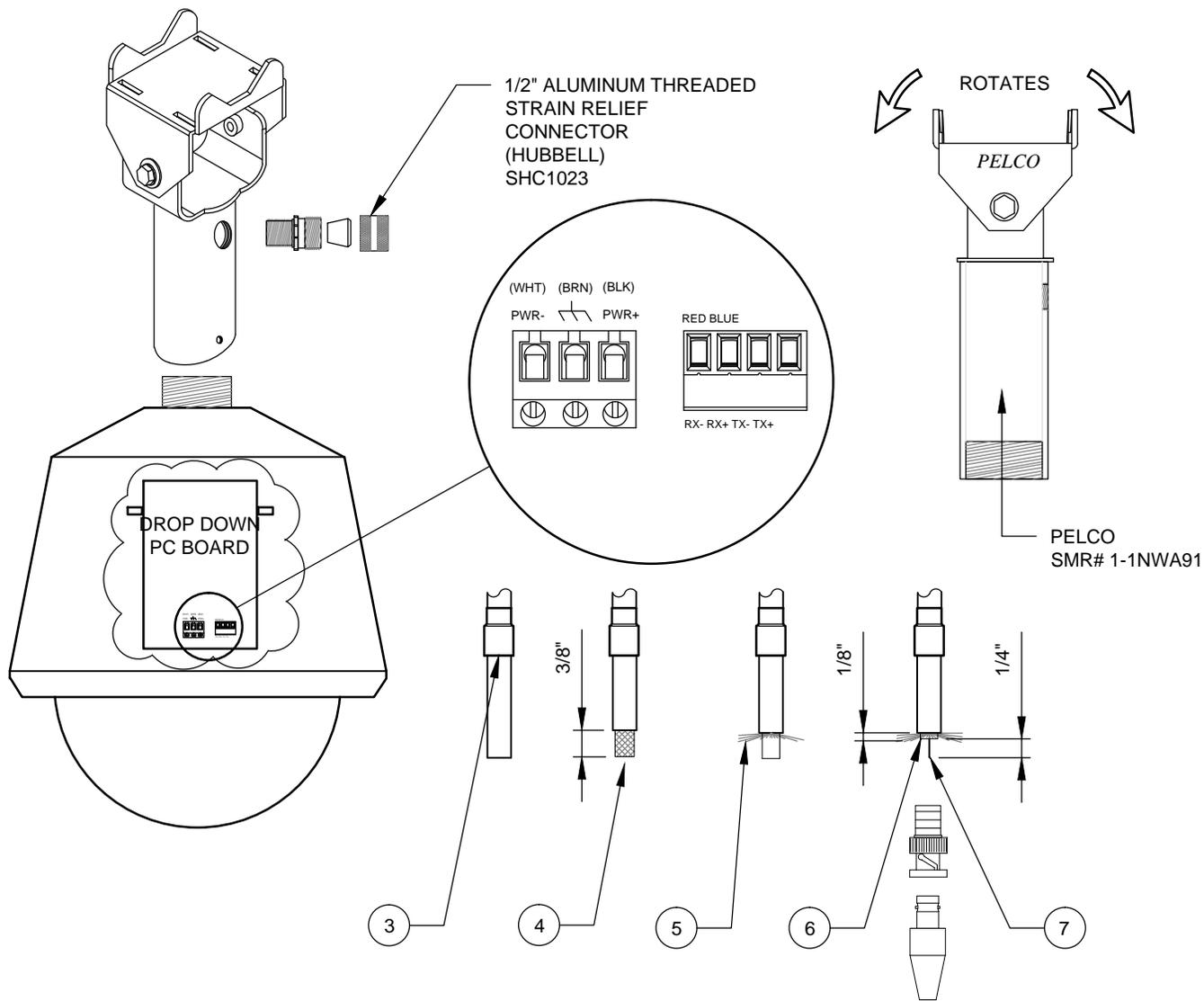
NOTES:

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.

Rob Crittenden
 APPROVED BY: ROB CRITTENDEN
 TRAFFIC OPERATIONS SAFETY AND ENGINEERING MANAGER
 REVISION DATE: MARCH 01, 2016



STANDARD DETAILS
 CCTV CAMERA MOUNTING
 FILE NAME: SD465.DWG DETAIL NUMBER: 465



CCTV VIDEO CABLE CONNECTION
NTS

BNC CONNECTOR #3071-75
NTS

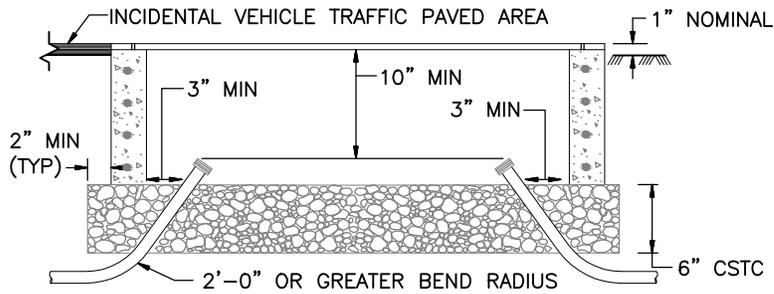
NOTES:

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.

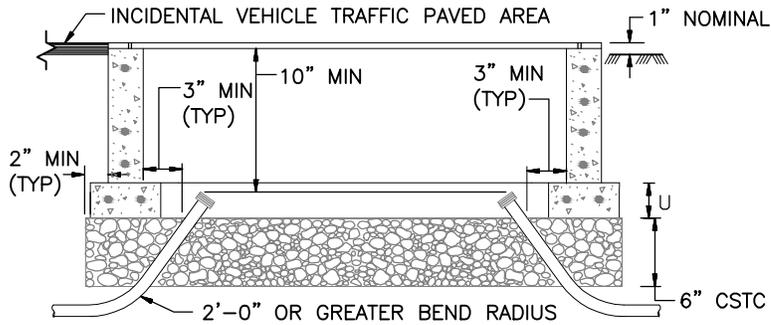
Rob Crittenden
 APPROVED BY: ROB CRITTENDEN
 TRAFFIC OPERATIONS SAFETY AND ENGINEERING MANAGER
 REVISION DATE: MARCH 01, 2016



STANDARD DETAILS
CCTV VIDEO CABLE CONNECTION
 FILE NAME: SD465A.DWG DETAIL NUMBER: 465A

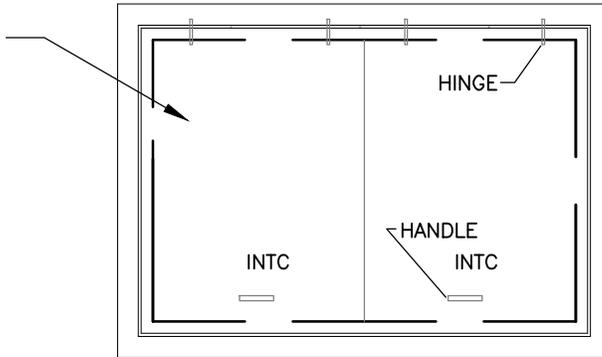


TYPE 1 OR 2 JUNCTION BOX INSTALLATION DETAIL
NTS

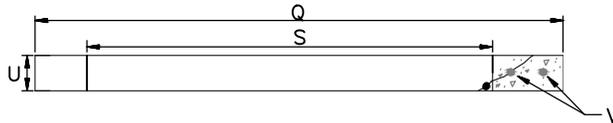


TYPE 7 JUNCTION BOX INSTALLATION DETAIL
NTS

NON SKID COATING
IKG-MEBAC1 HARSCO
INDUSTRIAL 9-29.2



DUAL LID DETAIL - TYPE 7
NTS



FOUNDATION ELEVATION - TYPE 7
NTS

Rob Crittenden

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TRAFFIC OPERATIONS SAFETY AND ENGINEERING MANAGER

REVISION DATE: JULY 01, 2015



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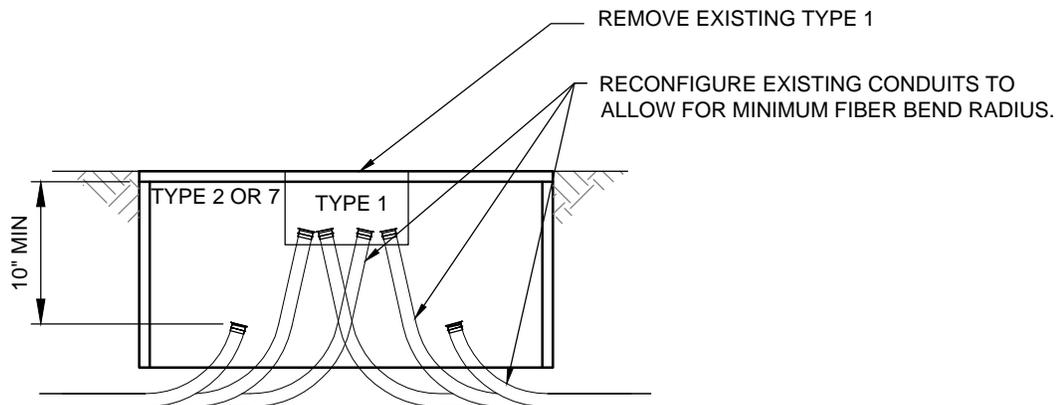
STANDARD DETAILS

JUNCTION BOX DETAILS 1 OF 2

FILE NAME: SD467A.DWG DETAIL NUMBER: 467A

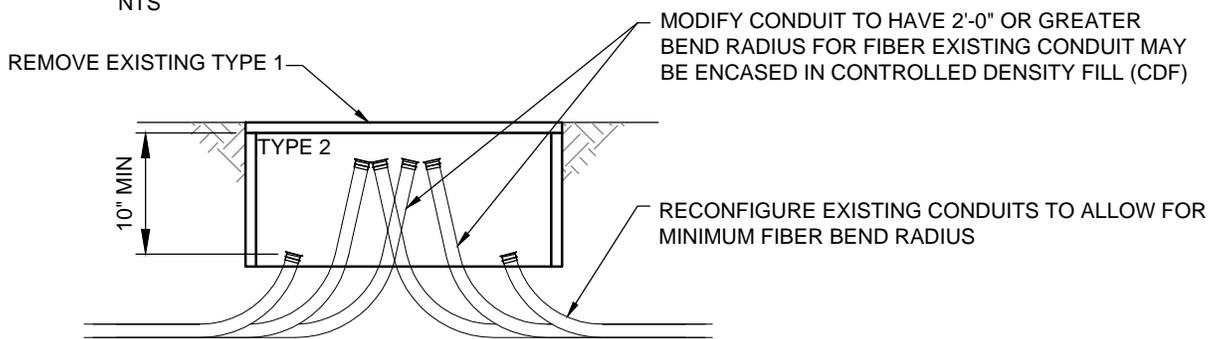
NOTES:

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. IKG-MEBAC1 HARSCO INDUSTRIAL.
12. EXISTING JUNCTION BOXES WITHIN SIDEWALK SHALL BE RETROFITTED WITH NON-SKID LIDS.
13. EXISTING JUNCTION BOXES THAT ARE MODIFIED INCLUDING NEW CONDUCTORS PULLED SHALL MEET CURRENT GROUNDING AND BONDING REQUIREMENTS.



TYPE 1 CONVERSION TO TYPE 2 OR 7

NTS



TYPE 2 RECONFIGURATION

NTS

Rob Crittenden

APPROVED BY: ROB CRITTENDEN
TRAFFIC OPERATIONS SAFETY AND ENGINEERING MANAGER

REVISION DATE: JULY 01, 2015



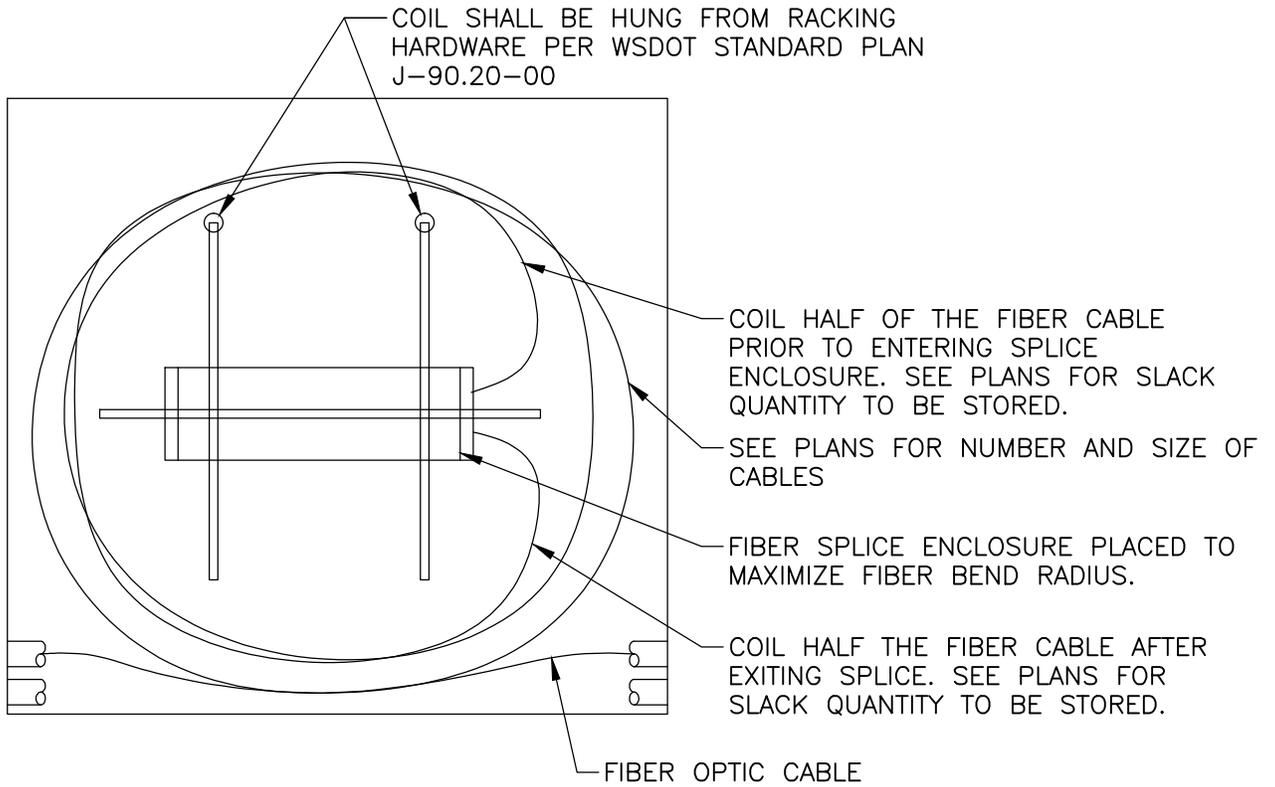
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STANDARD DETAILS

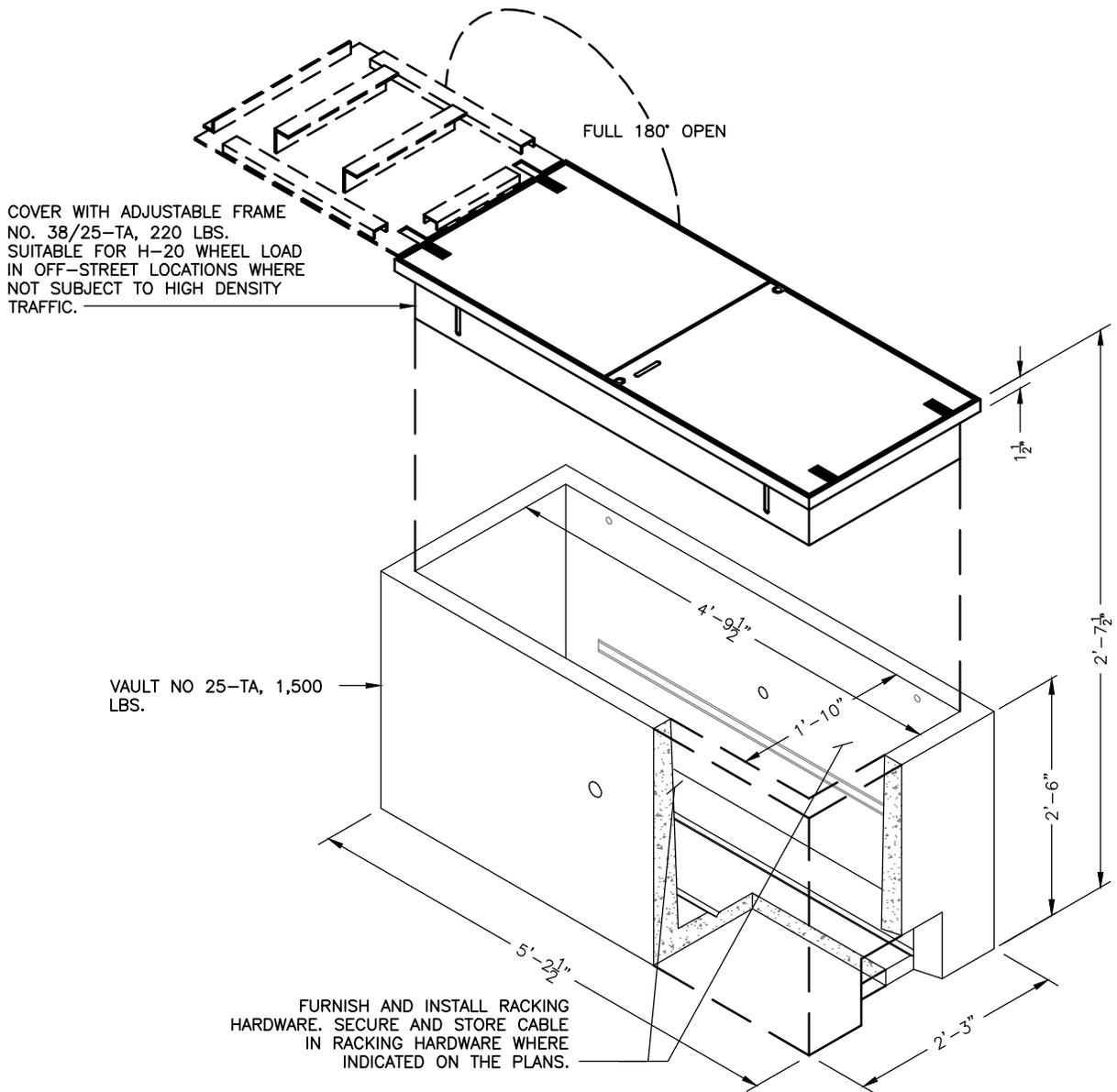
JUNCTION BOX DETAILS 2 OF 2

FILE NAME: 467B.DWG

DETAIL NUMBER: 467B



FIBER SPLICE ENCLOSURE AND CABLE STORAGE
NTS



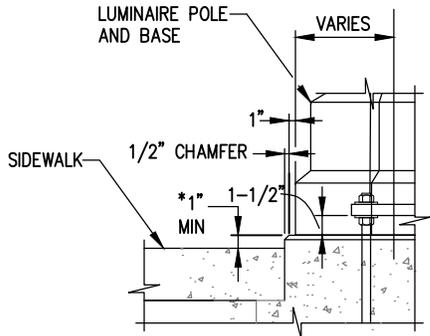
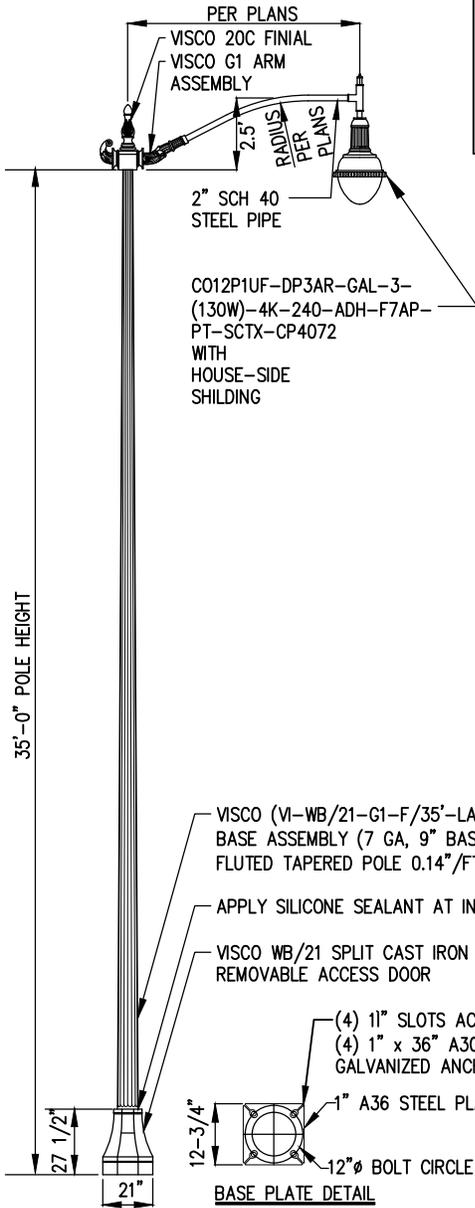
25-TA VAULT

Rob Crittenden
 APPROVED BY: ROB CRITTENDEN
 TRAFFIC OPERATIONS SAFETY AND ENGINEERING MANAGER
 REVISION DATE: MARCH 01, 2016



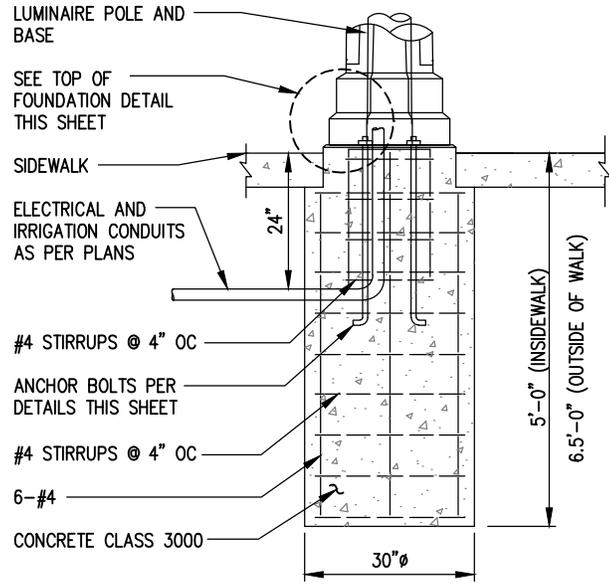
STANDARD DETAILS
 FIBER SPLICE AND STORAGE
 DETAILS 2 OF 2
 FILE NAME: SD468C.DWG DETAIL NUMBER: 468C

PAINT SPECIFICATIONS: ALL CAST IRON AND STEEL LIGHT POLE PARTS ARE TO BE FACTORY POLYESTER POWDER COATED WITH PEKING BLUE, ENDURASHIELD TREMEC #F073B2705A - 8556A, OR APPROVED EQUAL.



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

TOP OF FOUNDATION DETAIL
NTS



ROADWAY LUMINAIRE AND POLE
NTS

LUMINAIRE POLE AND FOUNDATION DETAIL
NTS

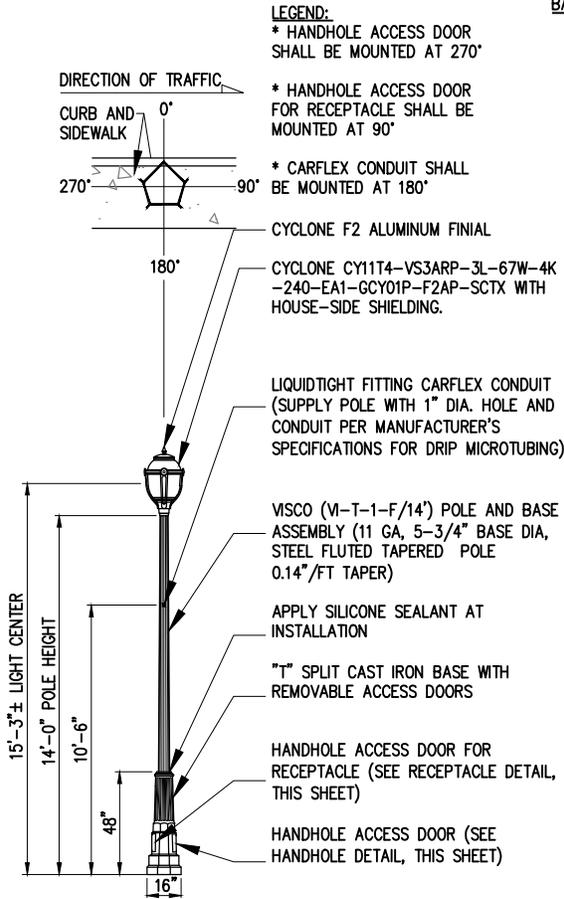
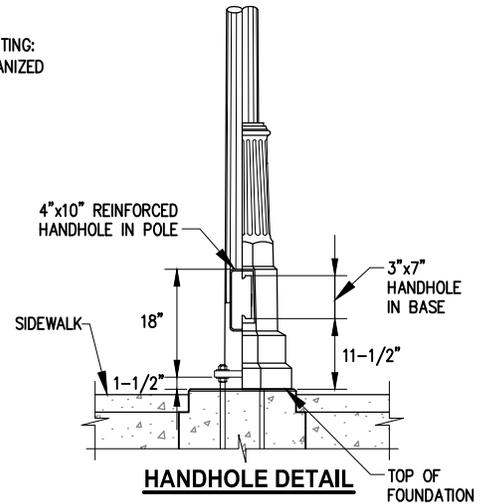
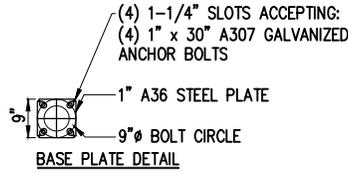
- NOTES:
1. HAND HOLE ACCESS DOOR SHALL BE MOUNTED AT 270°
 2. HAND HOLE ACCESS DOOR FOR RECEPTACLE SHALL BE MOUNTED AT 90°

Rob Crittenden
APPROVED BY: ROB CRITTENDEN
TRAFFIC OPERATIONS SAFETY AND ENGINEERING MANAGER
REVISION DATE: JULY 01, 2015

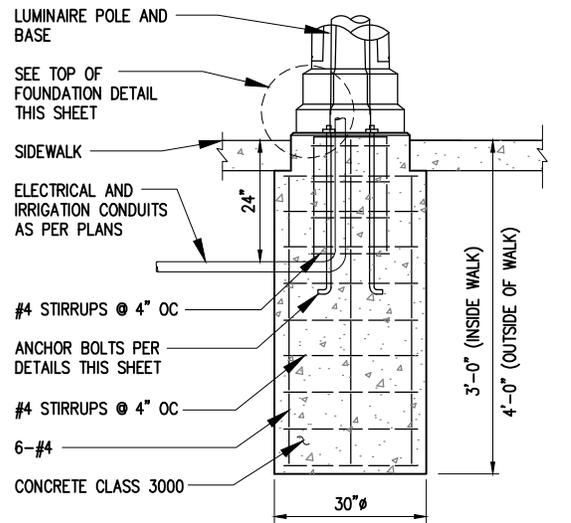


STANDARD DETAILS
ROADWAY LUMINAIRE AND POLE
FILE NAME: SD470.DWG DETAIL NUMBER: 470

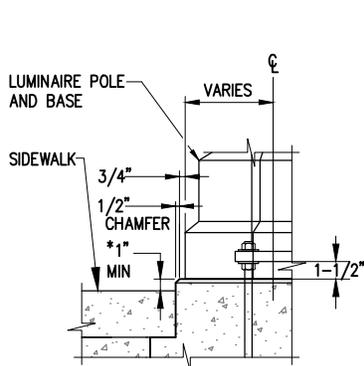
PAINT SPECIFICATIONS: ALL CAST IRON AND STEEL LIGHT POLE PARTS ARE TO BE FACTORY POLYESTER POWDER COATED WITH PEKING BLUE, ENDURASHIELD TREMEC #F073B2705A - 8556A, OR APPROVED EQUAL.



PEDESTRIAN LUMINAIRE AND POLE

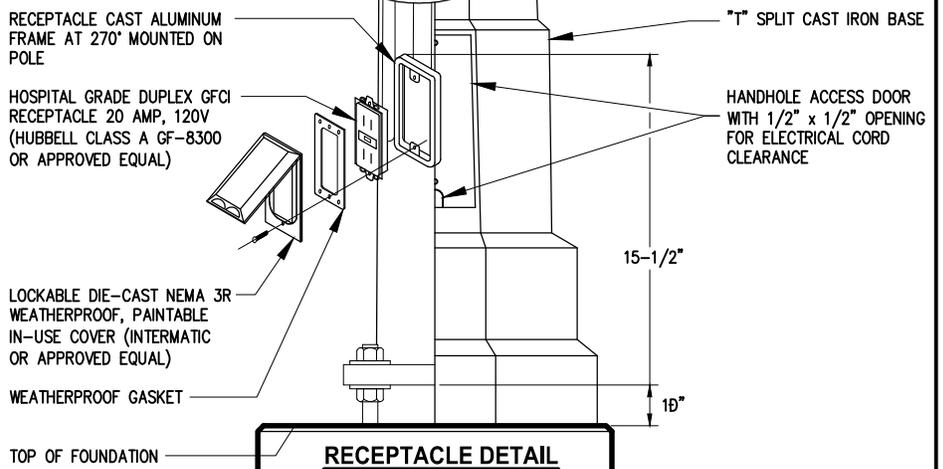


LUMINAIRE POLE FOUNDATION DETAIL



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

TOP OF FOUNDATION DETAIL



Rob Crittenden

APPROVED BY: ROB CRITTENDEN
TRAFFIC OPERATIONS SAFETY AND ENGINEERING MANAGER

REVISION DATE: JULY 01, 2015



STANDARD DETAILS

PEDESTRIAN LUMINAIRE AND POLE

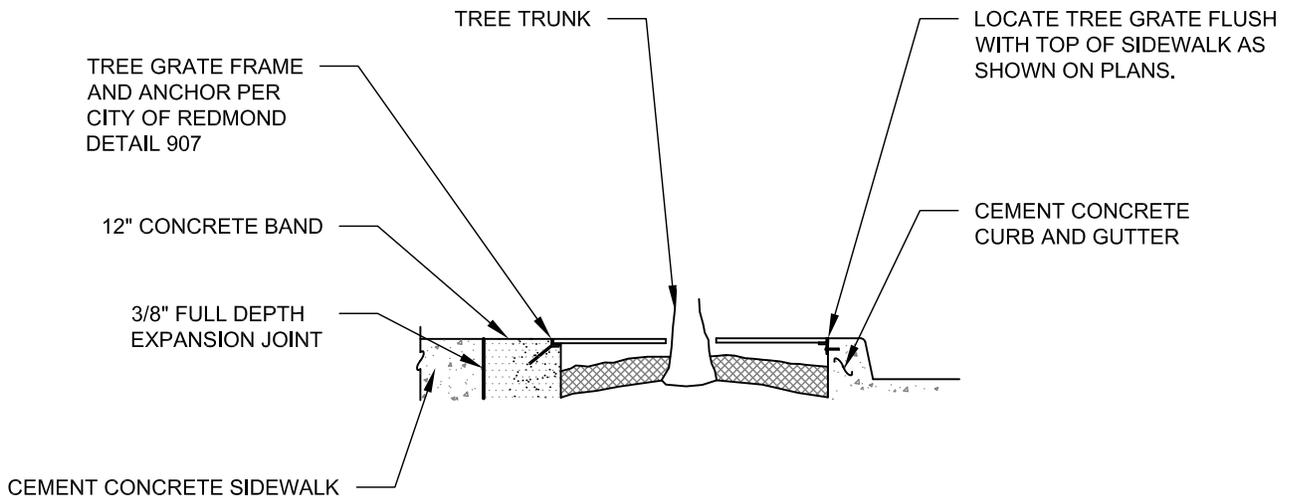
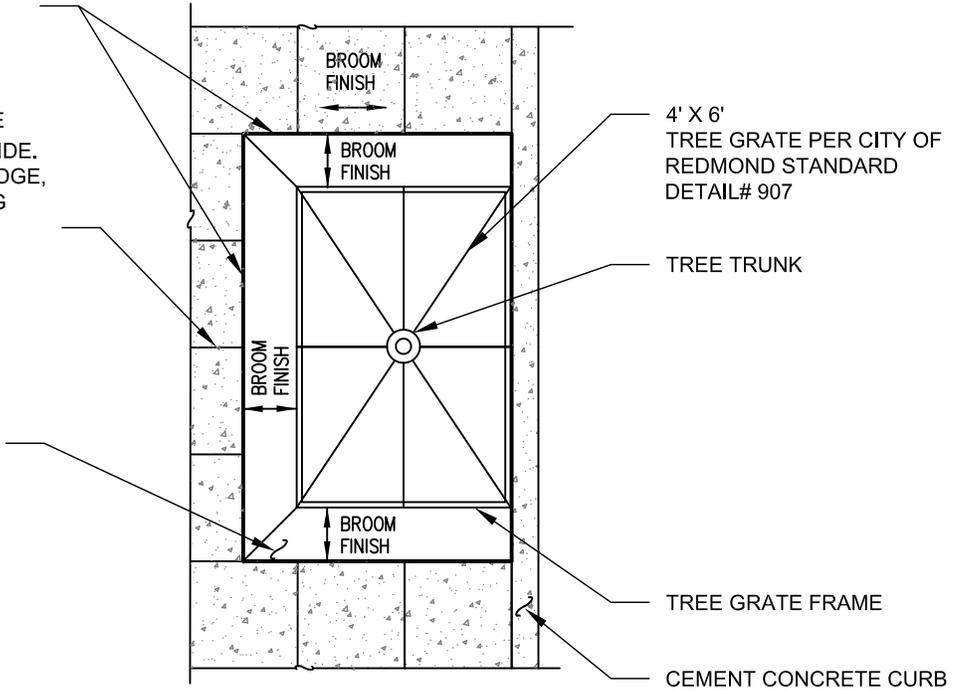
FILE NAME: SD471.DWG

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



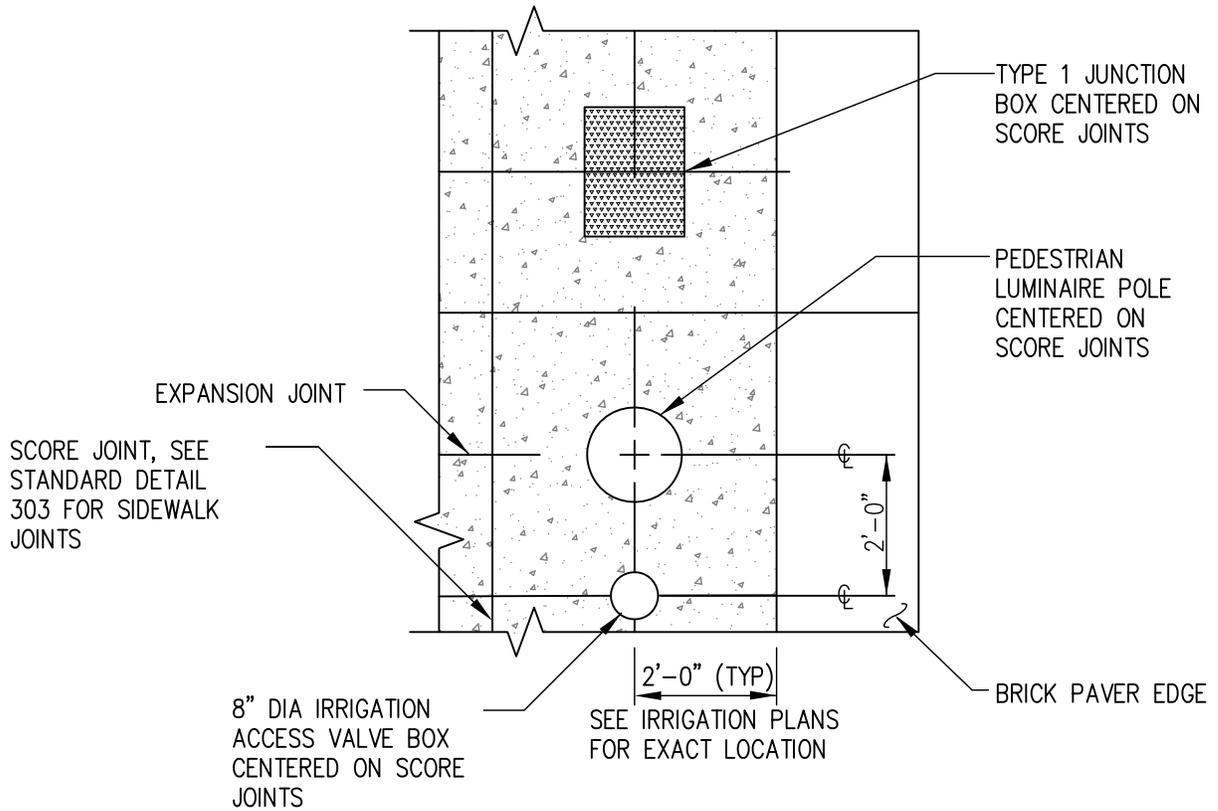
NOTES:

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.

Donald Cairns
 APPROVED BY: DONALD CAIRNS
 TRANSPORTATION PLANNING AND ENGINEERING MANAGER
 REVISION DATE: JULY 01, 2014



STANDARD DETAILS
TREE GRATE DETAIL WITH FRAME
 FILE NAME: SD473.DWG | DETAIL NUMBER: **473**



PEDESTRIAN LUMINAIRE LOCATION AND PAVEMENT SCORING

NTS

Donald Cairns

APPROVED BY: DONALD CAIRNS
 TRANSPORTATION PLANNING AND ENGINEERING MANAGER

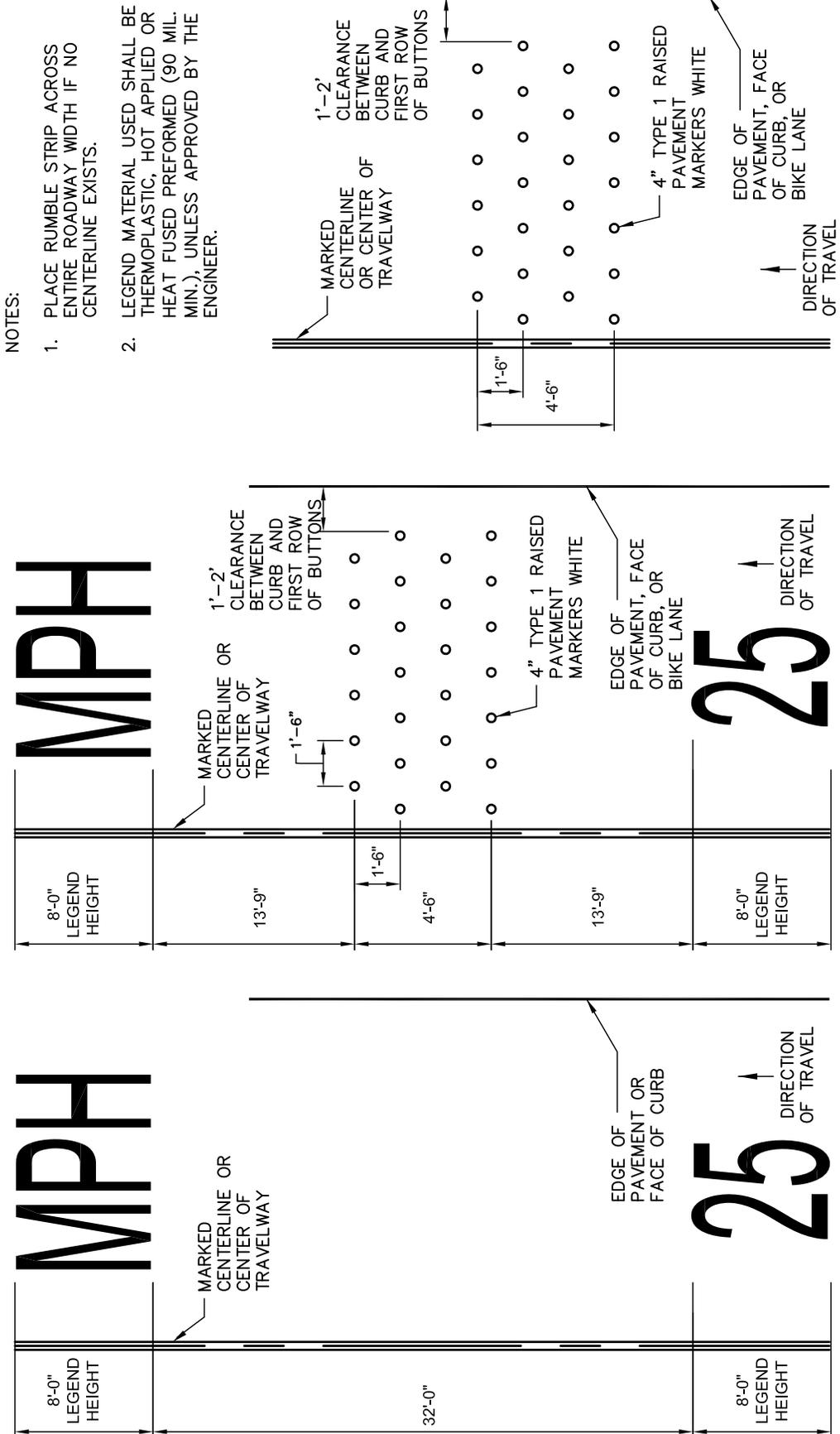
REVISION DATE: JULY 01, 2014



STANDARD DETAILS

**PEDESTRIAN LUMINAIRE
 LOCATION AND PAVEMENT
 SCORING**

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

Rob Crittenden

APPROVED BY: ROB CRITTENDEN
TRAFFIC OPERATIONS SAFETY AND ENGINEERING MANAGER

REVISION DATE: JULY 01, 2014



City of Redmond
WASHINGTON

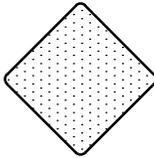
STANDARD DETAILS

**RUMBLE STRIP AND
25 MPH LEGEND**

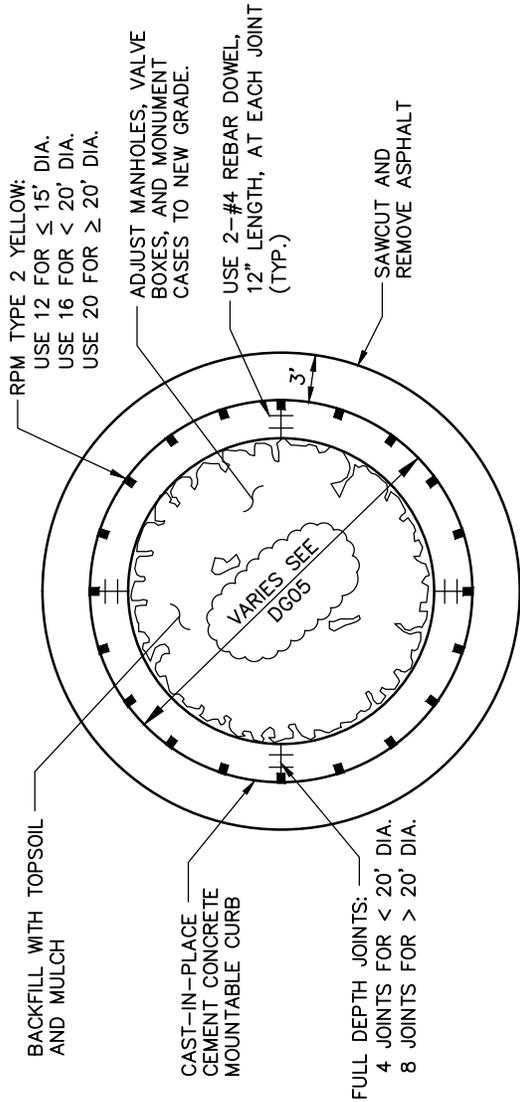
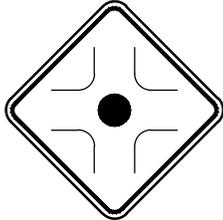
FILE NAME: SD476.DWG

DETAIL NUMBER: **476**

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

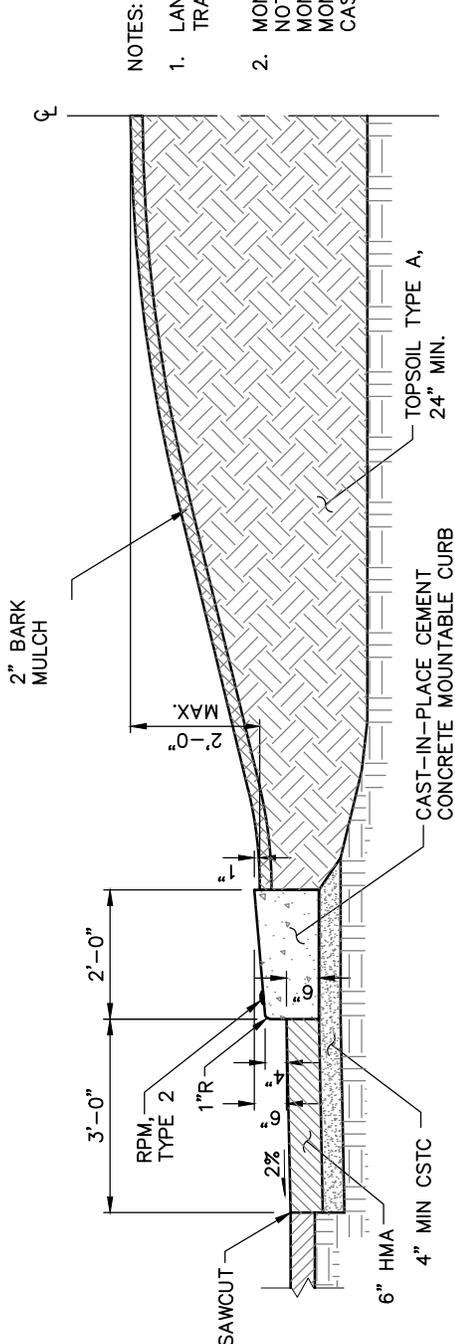


30" X 30" BLACK ON YELLOW PLACED 75' TO 100' BACK FROM TRAFFIC CIRCLE ON EACH APPROACH. SEE SD426D FOR POST TYPE AND INSTALLATION. SIGN MATERIAL: 3D DIAMOND GRADE DG³



SIGNING
NTS

TYPICAL TRAFFIC CIRCLE
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.

Rob Crittenden

APPROVED BY: ROB CRITTENDEN
TRAFFIC OPERATIONS SAFETY AND ENGINEERING MANAGER

REVISION DATE: JULY 01, 2015



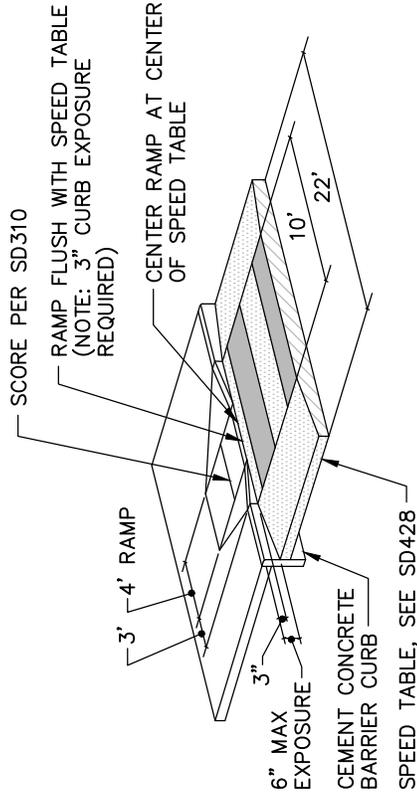
City of Redmond
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STANDARD DETAILS

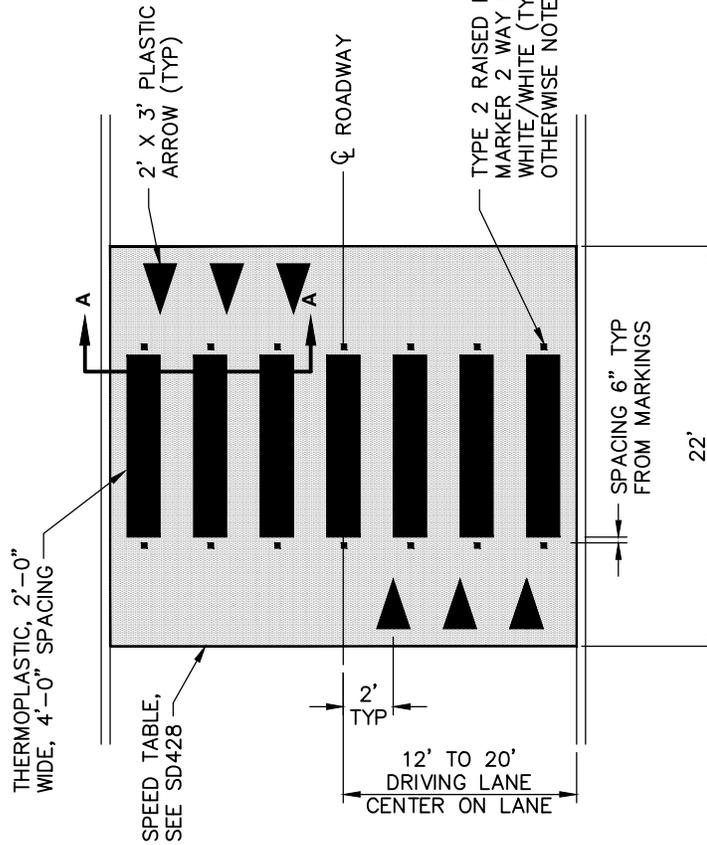
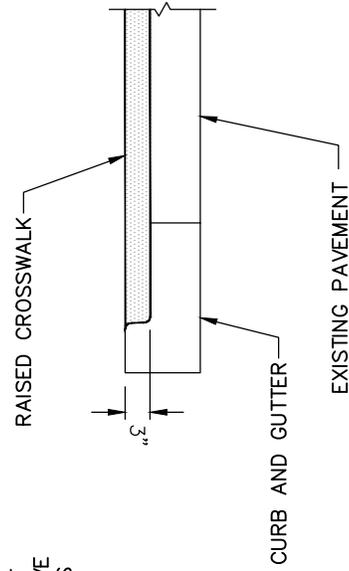
TRAFFIC CIRCLES DETAILS

FILE NAME: SD478.DWG

DETAIL NUMBER: 478



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



MARKING DETAIL
NTS

SECTION A-A
NTS

Rob Crittenden

APPROVED BY: ROB CRITTENDEN
TRAFFIC OPERATIONS SAFETY AND ENGINEERING MANAGER

REVISION DATE: JULY 01, 2015



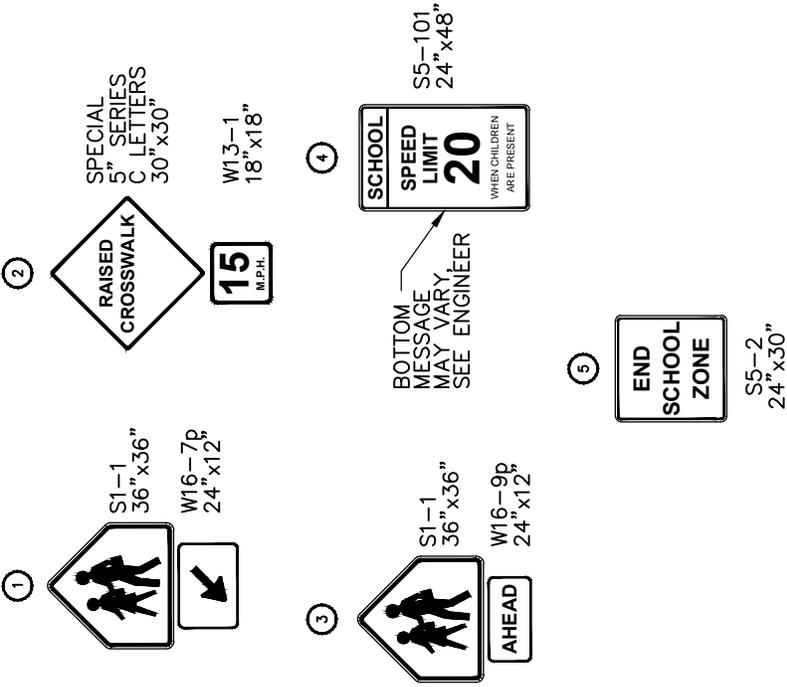
City of Redmond
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STANDARD DETAILS

RAISED CROSSWALK

FILE NAME: SD479.DWG

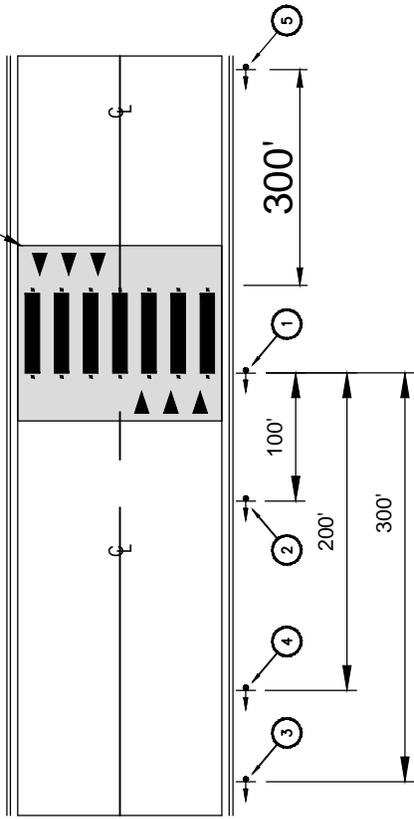
DETAIL NUMBER: 479



NOTES:

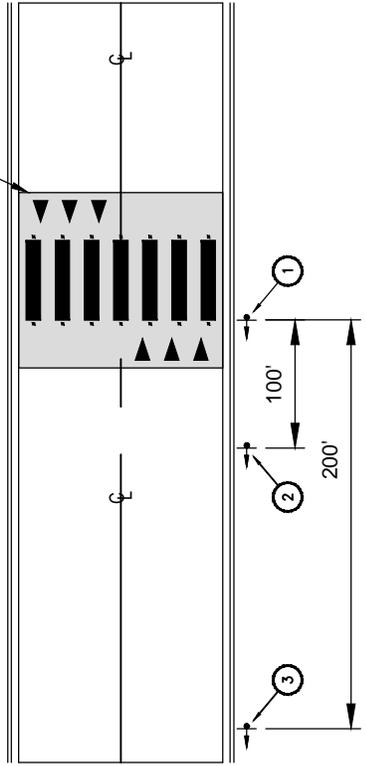
1. SIGNS ①, ②, ③, & THE "SCHOOL" LEGEND ON ④ TO HAVE FLUORESCENT YELLOW-GREEN BACKGROUND WITH BLACK LEGEND AND BORDER. SIGN MATERIAL: 3M DIAMOND GRADE DG.
2. DIAGONAL ARROW POINTING DOWNWARD TO CROSSWALK.
3. SIGN ①: INSTALL TWO SIGNS BACK TO BACK ON SAME POST.
4. SIGNS AND MARKINGS TYPICAL BOTH DIRECTIONS.

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

Rob Crittenden

APPROVED BY: ROB CRITTENDEN
TRAFFIC OPERATIONS SAFETY AND ENGINEERING MANAGER

REVISION DATE: JULY 01, 2015

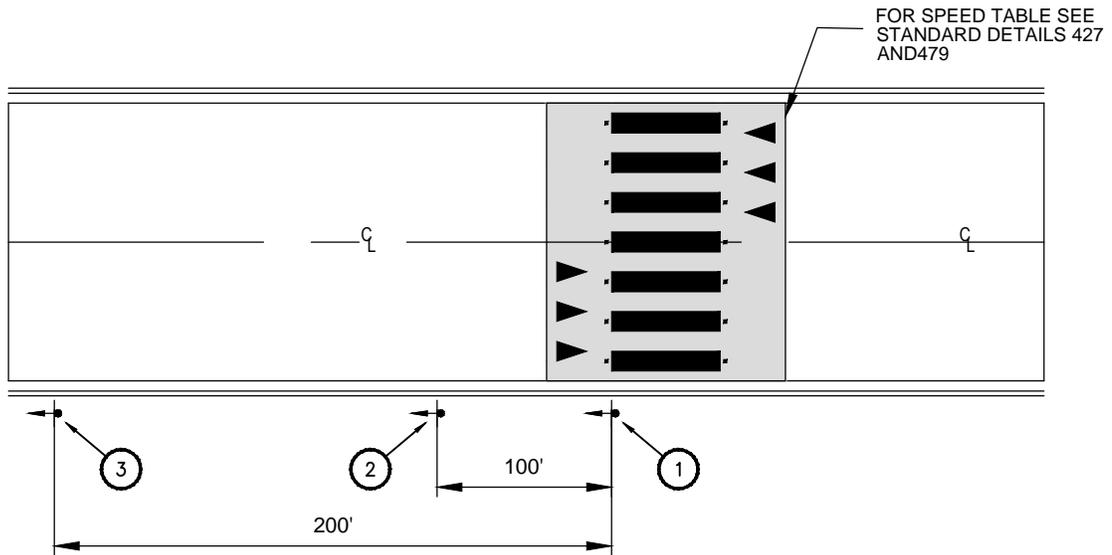


STANDARD DETAILS

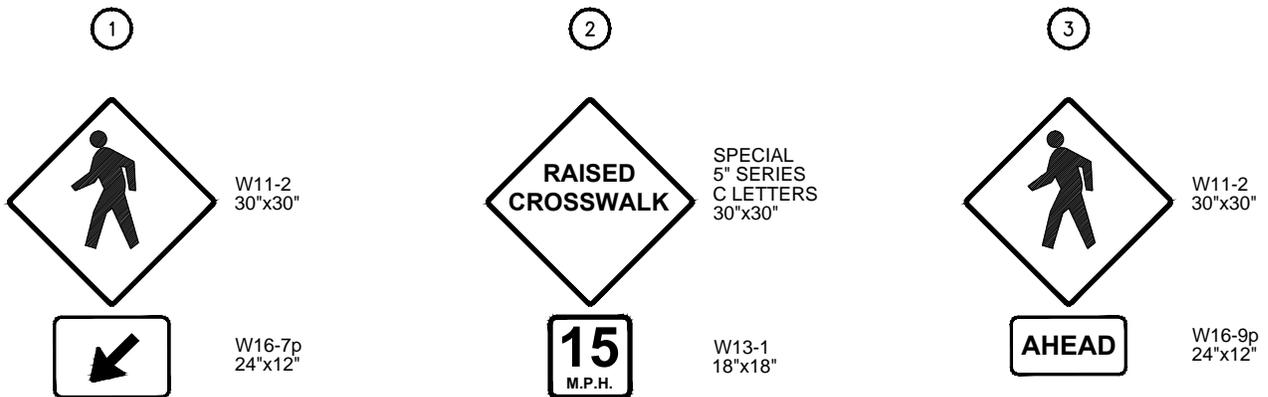
RAISED SCHOOL
CROSSWALK SIGNING

FILE NAME: SD480.DWG

DETAIL NUMBER: 480



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.

Rob Crittenden

APPROVED BY: ROB CRITTENDEN
TRAFFIC OPERATIONS SAFETY AND ENGINEERING MANAGER

REVISION DATE: JULY 01, 2015



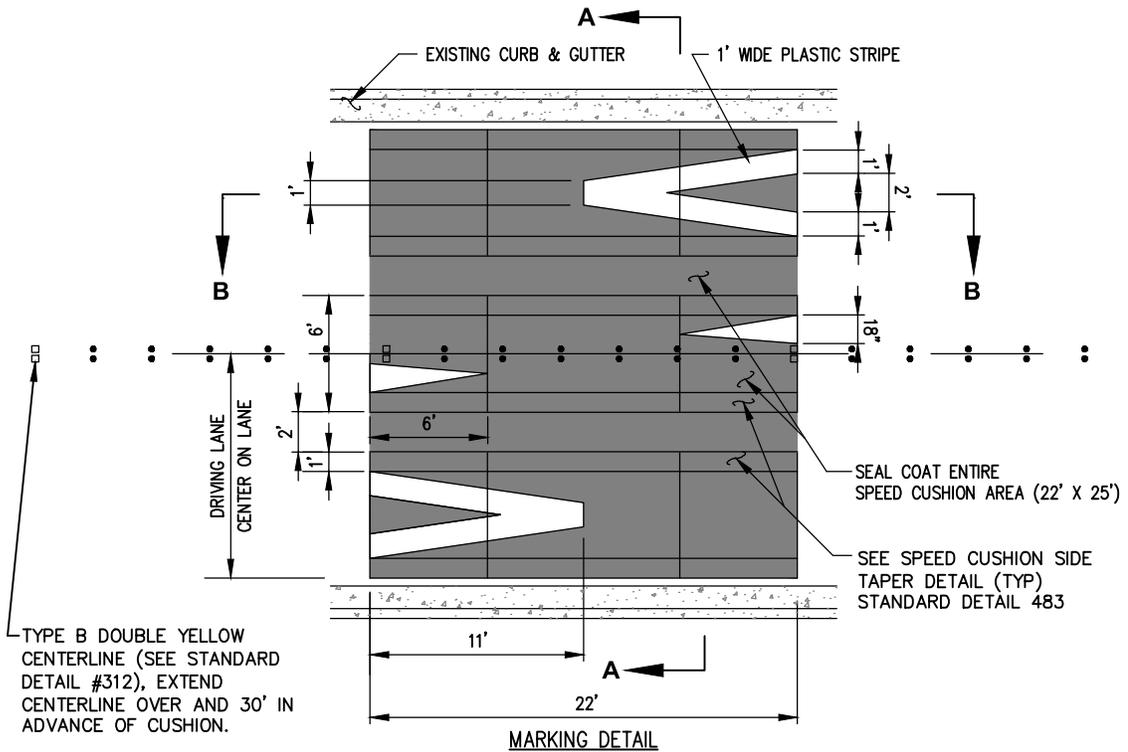
City of Redmond
WASHINGTON

STANDARD DETAILS

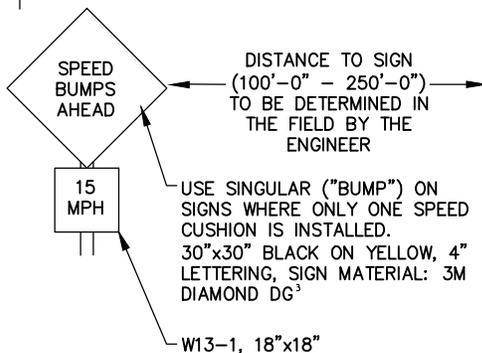
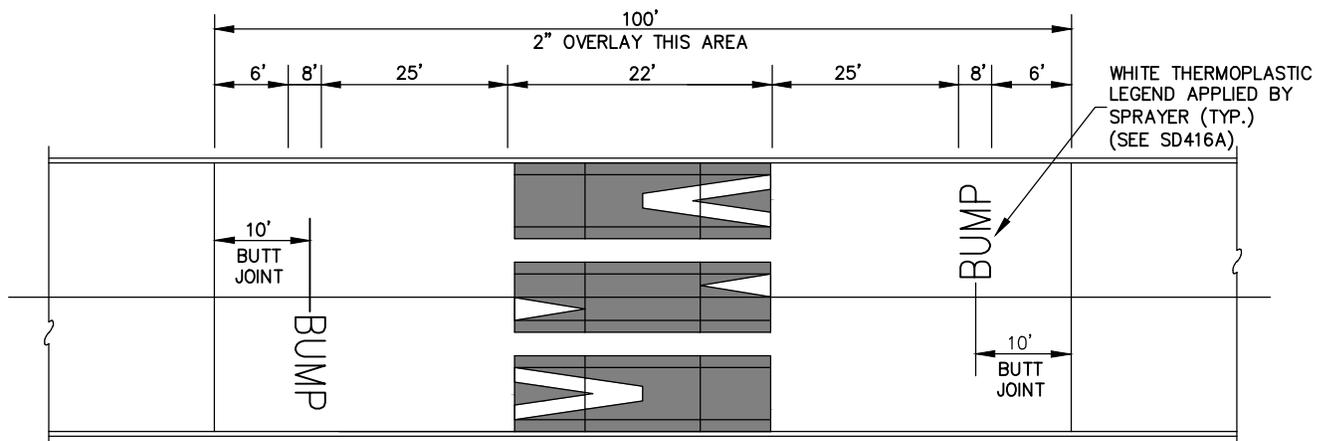
RAISED CROSSWALK SIGNING

FILE NAME: SD481.DWG

DETAIL NUMBER: 481



SPEED CUSHION
NTS



NOTES:

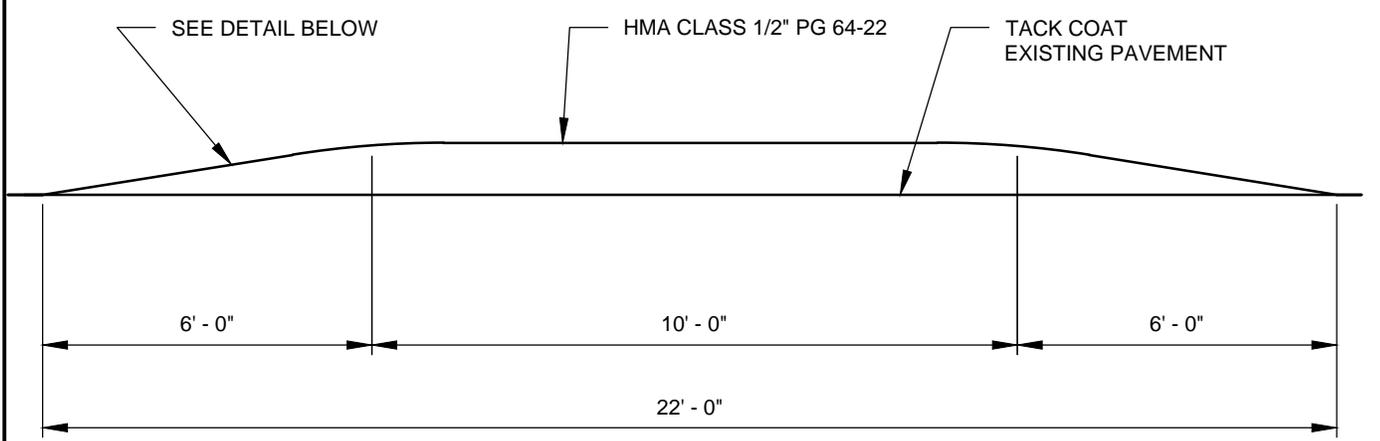
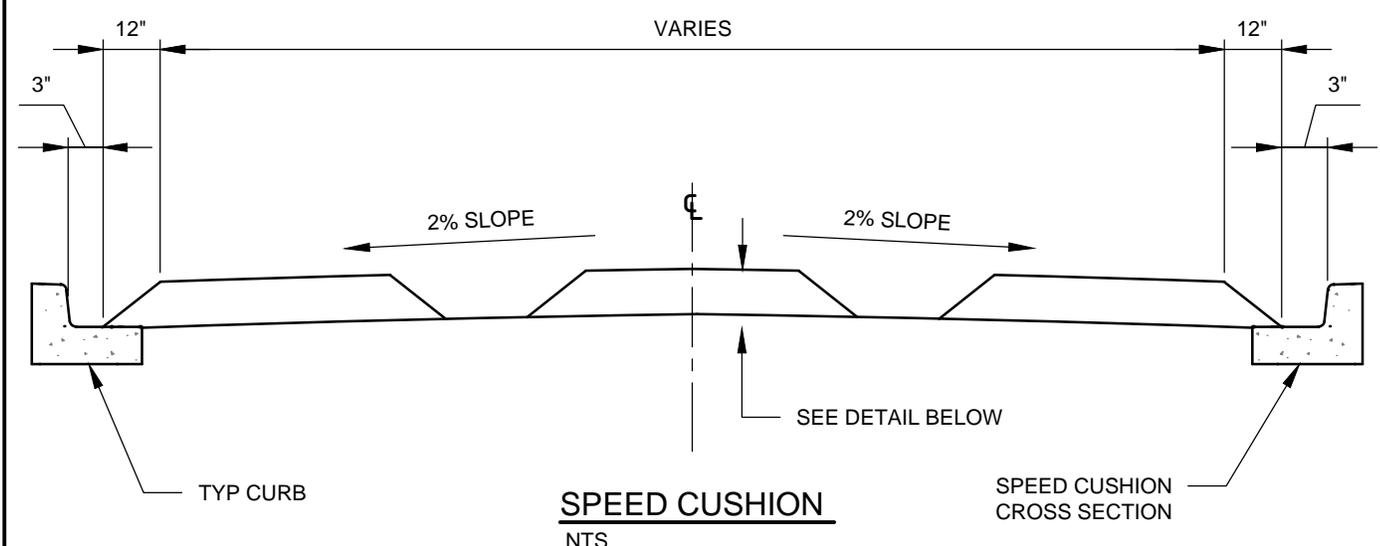
1. SIGNS & MARKINGS TYPICAL BOTH DIRECTIONS.
2. SEE "POST MOUNTED SIGN" STANDARD DRAWING 426(C) OR (D).
3. A TEMPLATE MUST BE USED IN SHAPING SPEED TABLE.
4. SPEED TABLE MUST BE MADE IN TWO LIFTS.
5. 2" OVERLAY NOT REQUIRED FOR NEW PAVEMENT OR EXISTING PAVEMENT DETERMINED TO BE IN GOOD CONDITION BY THE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

Rob Crittenden
APPROVED BY: ROB CRITTENDEN
TRAFFIC OPERATIONS SAFETY AND ENGINEERING MANAGER
REVISION DATE: JULY 01, 2015

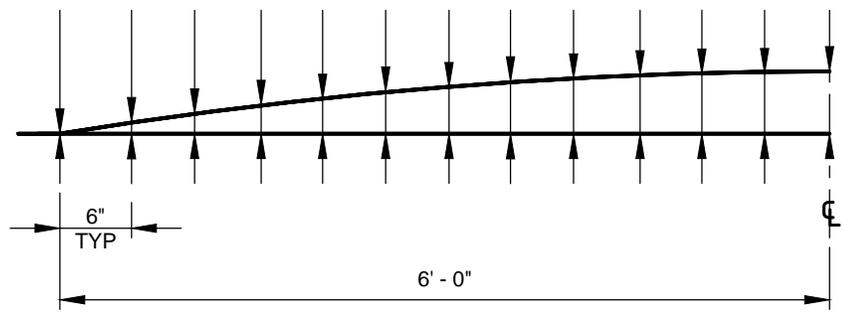


STANDARD DETAILS
SPEED CUSHION
(1 OF 2)

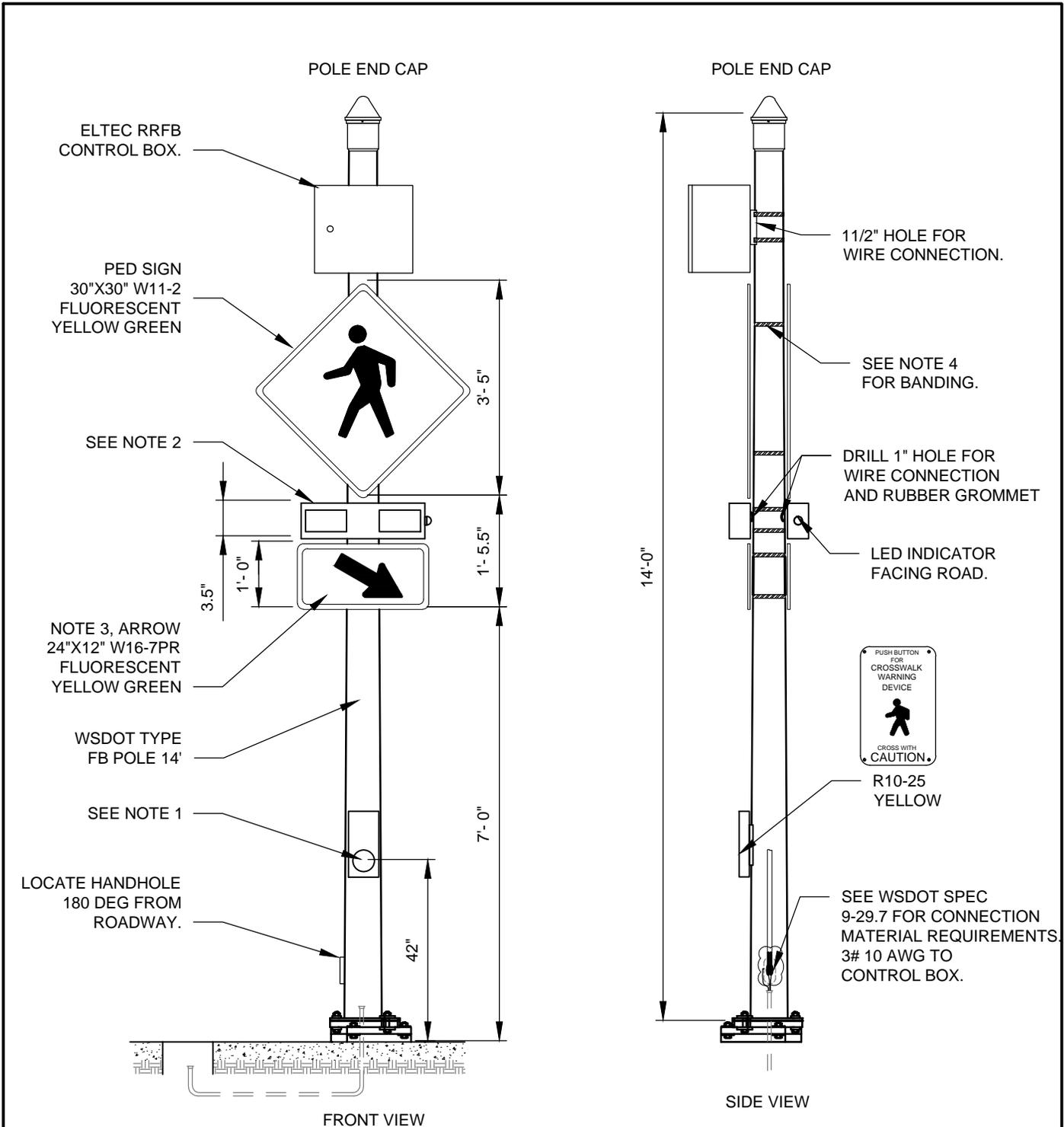
FILE NAME: SD482.DWG DETAIL NUMBER: 482



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



 APPROVED BY: ROB CRITTENDEN TRAFFIC OPERATIONS SAFETY AND ENGINEERING MANAGER	 City of Redmond WASHINGTON	STANDARD DETAILS	
		SPEED CUSHION (2 OF 2)	
REVISION DATE: MARCH 01, 2016		FILE NAME: SD483.DWG	DETAIL NUMBER: 483

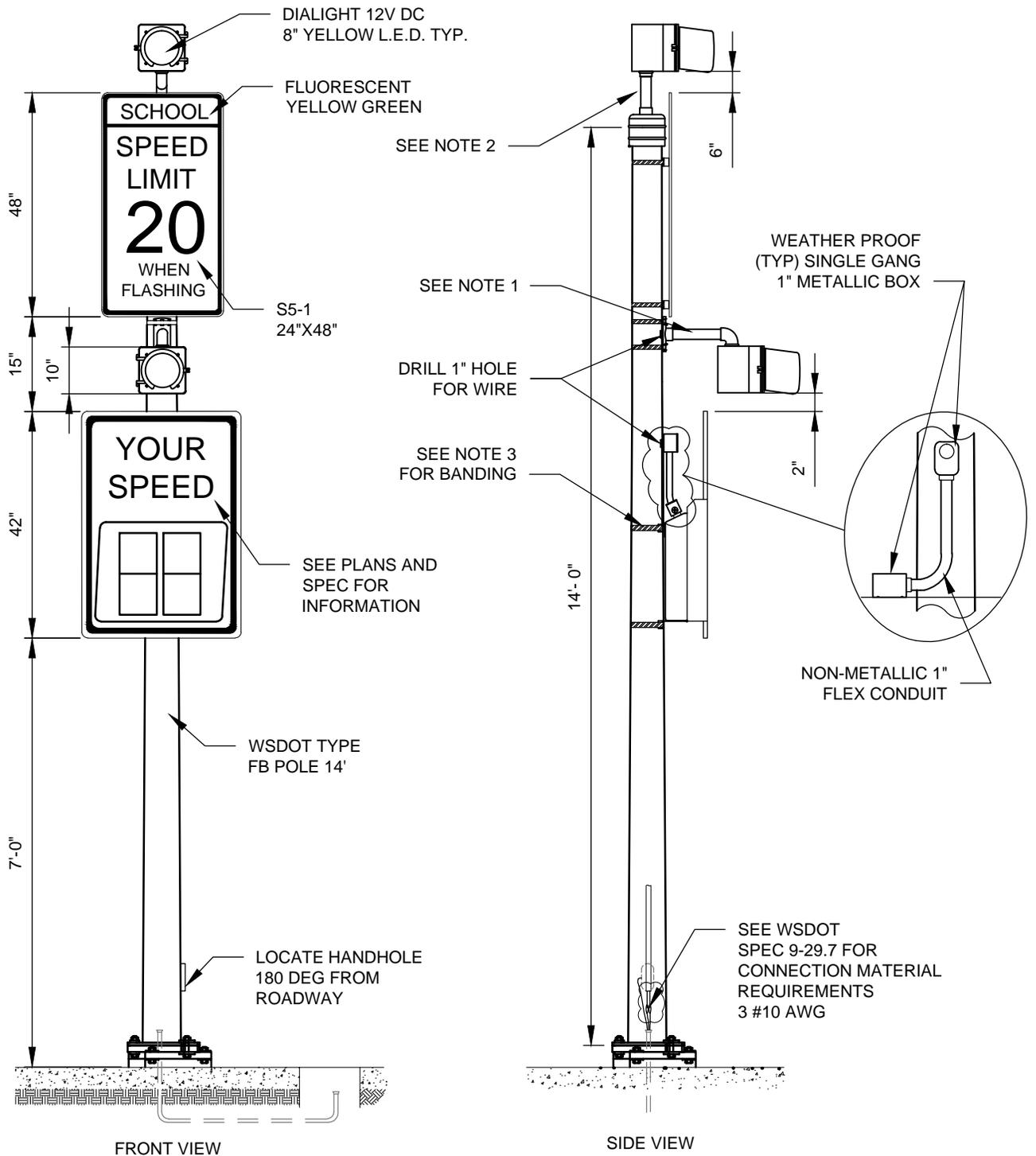


- NOTES:
1. USE MODEL POLARA, PLAQUE, AND FRAME BDSP-014-B FOR PED PUSH BUTTON.
 2. TWO W11-2 OR S1-1 CROSSING WARNING SIGNS (EACH WITH RRFB AND W16-7P PLAQUE) SHALL BE INSTALLED AT THE CROSSING, ONE ON THE RIGHT-HAND SIDE OF THE ROADWAY AND ONE ON THE LEFT-HAND SIDE OF THE ROADWAY. IF A MEDIAN EXISTS, THE LEFT-HAND SIDE ASSEMBLY SHOULD BE INSTALLED ON THE MEDIAN.
 3. INSTALL RRFB WITH LED INDICATOR FOR PEDESTRIAN ON SIDE OF TRAVEL LANE.
 4. SEE STANDARD DETAIL 417 FOR BANDING SPEC AND INSTALLATION.

Rob Crittenden
 APPROVED BY: ROB CRITTENDEN
 TRAFFIC OPERATIONS SAFETY AND ENGINEERING MANAGER
 REVISION DATE: MARCH 01, 2016



STANDARD DETAILS
 RECTANGULAR RAPID FLASHING BEACON
 FILE NAME: SD484.DWG DETAIL NUMBER: 484



NOTES:

1. SIDE POLE MOUNT, POLE PLATE WITHOUT CABLE GUIDE (M31251 GREEN), ELBOW SERRATED ONE PORT WITH LOCK NIPPLE, 10" TREADED PIPE (TOE, TOE) GREEN WITH 8" HEAD (GREEN).
2. TOP OF POLE MOUNT WITH 12" TREADED PIPE, 8" SIGNAL HEAD WITH VISOR.
3. SEE STANDARD DETAIL 417 FOR BANDING SPEC AND INSTALLATION.

Rob Crittenden

APPROVED BY: ROB CRITTENDEN
TRAFFIC OPERATIONS SAFETY AND ENGINEERING MANAGER

REVISION DATE: MARCH 01, 2016



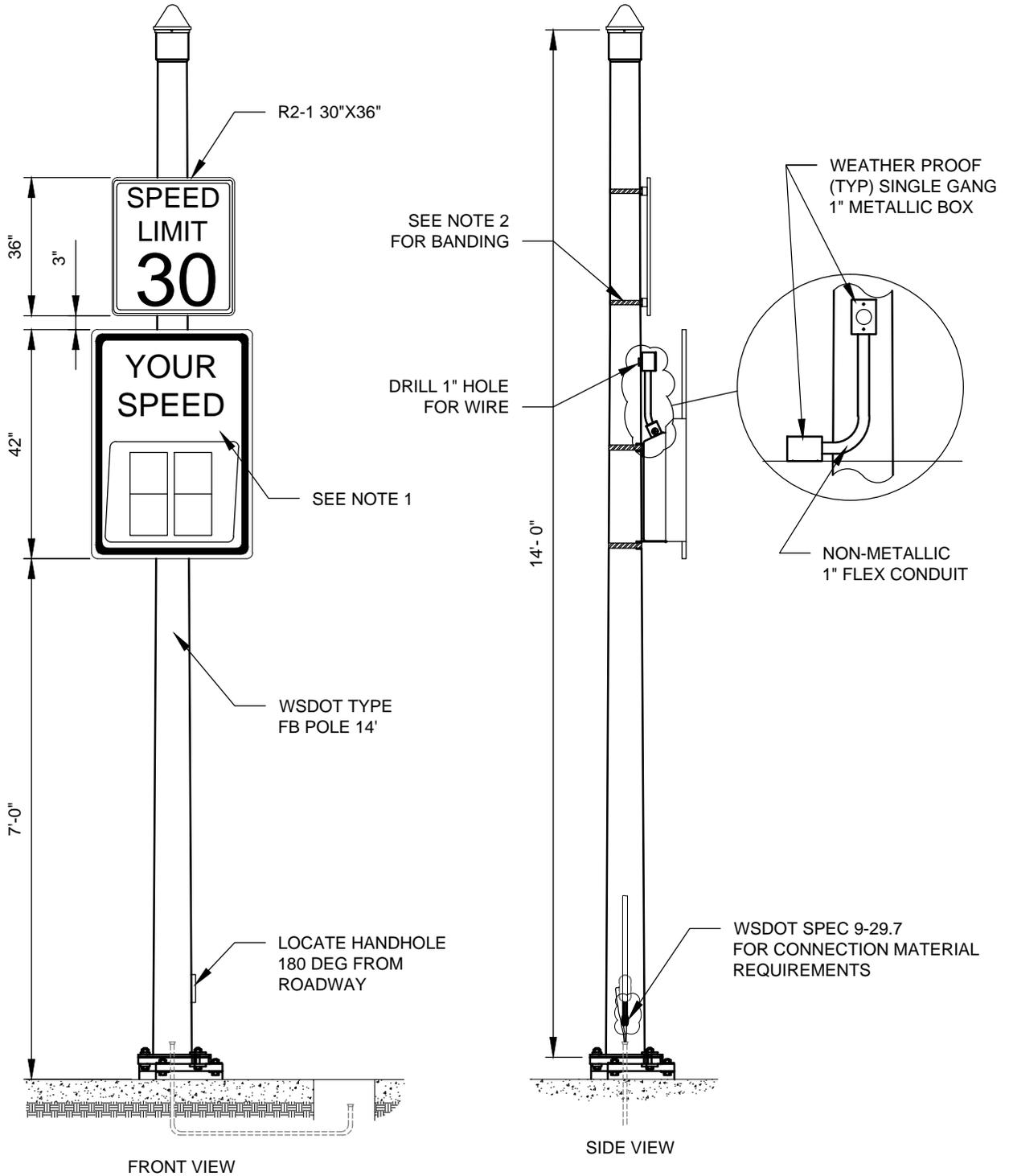
City of Redmond
WASHINGTON

STANDARD DETAILS

SCHOOL ZONE SPEED
RADAR SIGN

FILE NAME: SD485.DWG

DETAIL NUMBER: 485



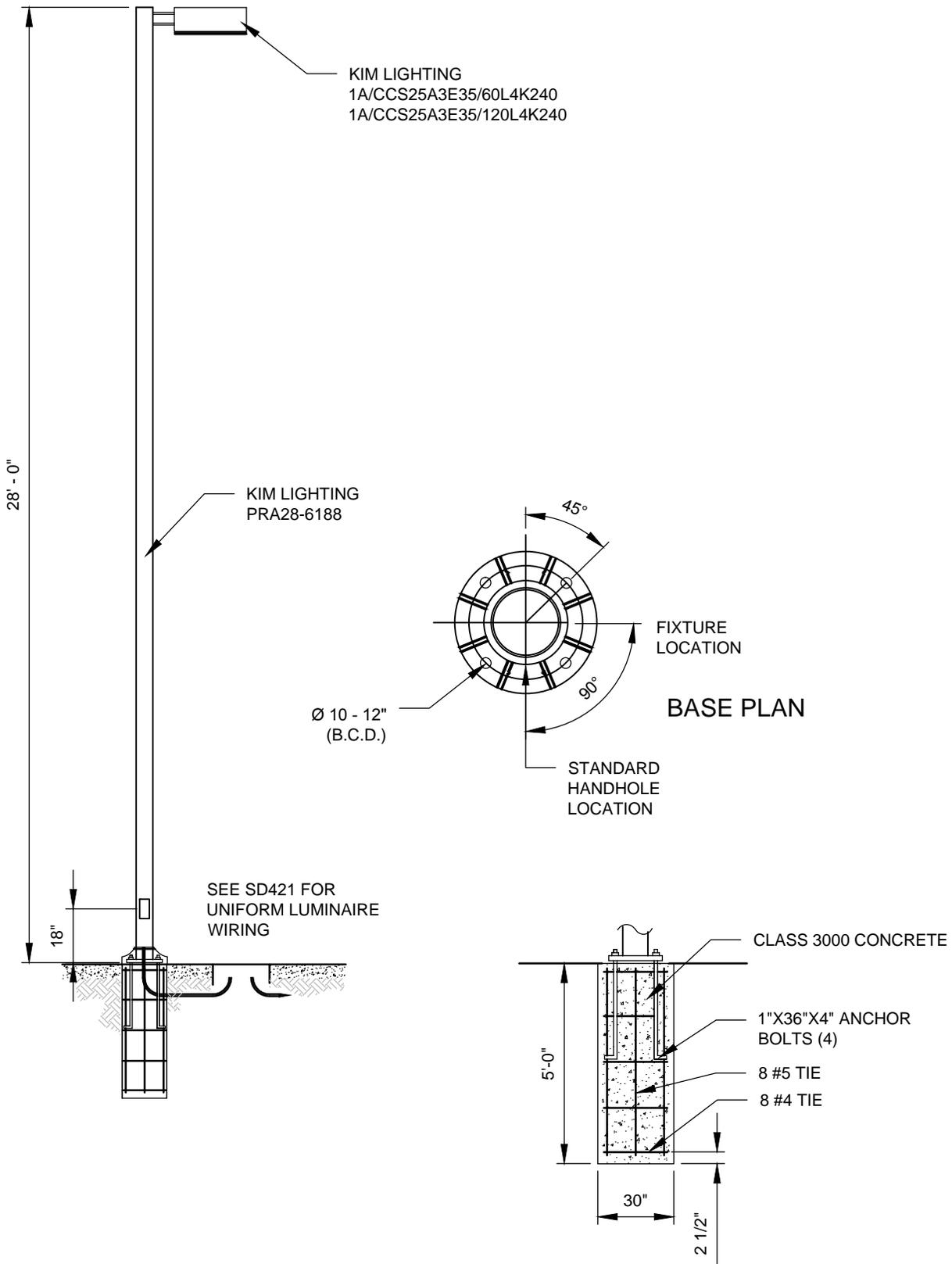
NOTES:

1. SEE PLANS AND SPEC FOR APPROVED MANUFACTURE.
2. SEE STANDARD DETAIL 417 FOR BANDING SPEC AND INSTALLATION

Rob Crittenden
 APPROVED BY: ROB CRITTENDEN
 TRAFFIC OPERATIONS SAFETY AND ENGINEERING MANAGER
 REVISION DATE: MARCH 01, 2016



STANDARD DETAILS
 SPEED CHECK
 RADAR SIGN
 FILE NAME: SD486.DWG | DETAIL NUMBER: 486



Rob Crittenden
 APPROVED BY: ROB CRITTENDEN
 TRAFFIC OPERATIONS SAFETY AND ENGINEERING MANAGER

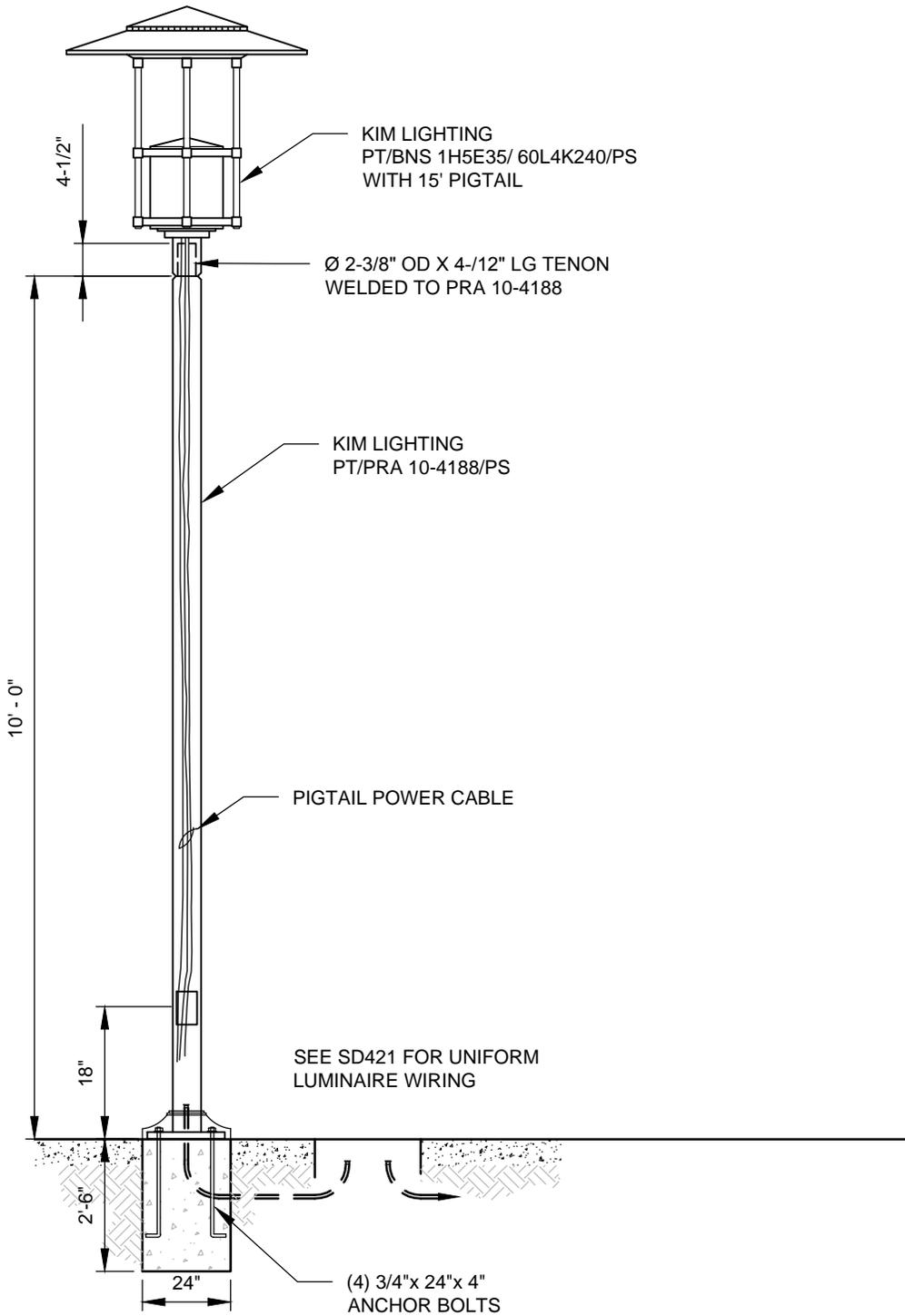
REVISION DATE: MARCH 01, 2016



STANDARD DETAILS

OVERLAKE VILLAGE
STREET LIGHT

FILE NAME: SD487.DWG DETAIL NUMBER: 487



Rob Crittenden

APPROVED BY: ROB CRITTENDEN
TRAFFIC OPERATIONS SAFETY AND ENGINEERING MANAGER

REVISION DATE: MARCH 01, 2016



City of Redmond
WASHINGTON

STANDARD DETAILS

OVERLAKE VILLAGE
PED LIGHT

FILE NAME: SD488.DWG

DETAIL NUMBER: 488



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.

APPROVED BY: TODD SHORT
ASSISTANT FIRE MARSHAL

REVISION DATE: JULY 01, 2014



City of Redmond
WASHINGTON

STANDARD DETAILS

FIRE LANE SIGN

FILE NAME: SD499.DWG

DETAIL NUMBER: **499**