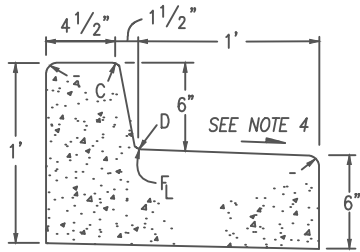
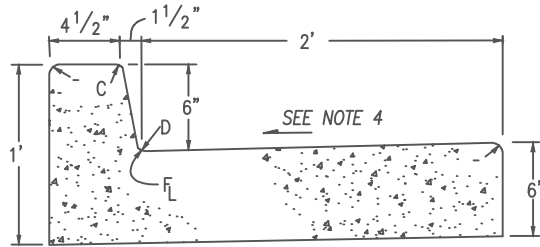


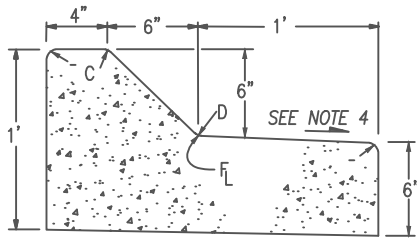
APPENDICES



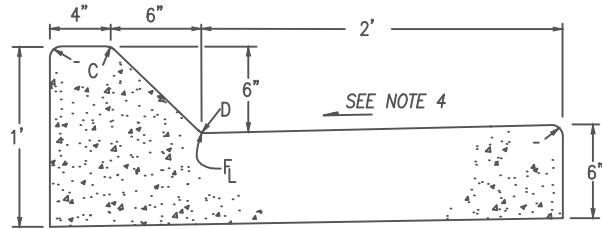
MEDIAN CURB AND GUTTER
(6" BARRIER - 1' GUTTER)



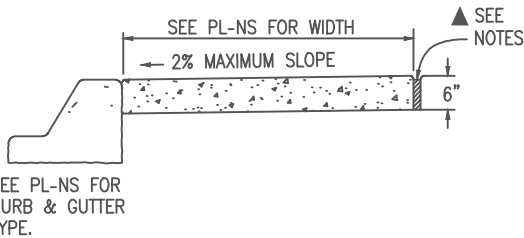
VERTICAL CURB AND GUTTER
(6" BARRIER - 2' GUTTER)



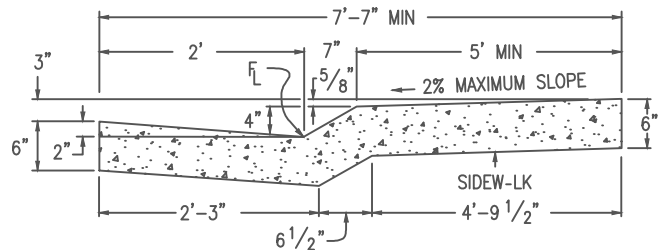
CURB AND GUTTER TYPE 2
(6" MOUNTABLE - 1' GUTTER)



CURB AND GUTTER TYPE 2
(6" MOUNTABLE - 2' GUTTER)



CONCRETE SIDEWALK



CURB AND GUTTER TYPE 2
(4" MOUNTABLE WITH SIDEWALK)

CURB AND GUTTER NOTES

1. AT THE LOW POINT(S) OF EACH MEDIAN A DRAIN SYSTEM SHALL BE DESIGNED TO CONVEY STORM AND IRRIGATION FLOWS.
2. ALL CONCRETE SHALL BE POURED ON 6" ABC MINIMUM.
3. GUTTER CROSS-SLOPE SHALL BE 1/2" PER FOOT WHEN DRAINING AWAY FROM CURB AND 1" PER FOOT WHEN DRAINING TOWARD CURB.
4. TRANSVERSE CONTRACTION JOINTS SHALL BE PLACED EVERY 10' ALONG CURB AND GUTTER AND CURB HEAD.

- ▲ EXPANSION JOINTS SHALL BE INSTALLED WHEN ABUTTING EXISTING CONCRETE OR FIXED STRUCTURE. EXPANSIONS JOINT MATERIAL SHALL BE 1/2" THICK AND SHALL EXTEND THE FULL DEPTH OF CONTACT SURFACE.

SIDEWALK NOTES

1. ALL CONCRETE SHALL BE POURED ON 6" ABC MINIMUM.
2. TRANSVERSE CONTRACTION JOINTS SHALL BE PLACED EVERY 5' ALONG SIDEWALK.
3. EXPANSION JOINTS SHALL BE PLACED AT 500' INTERVALS ALONG SIDEWALK.

LEGEND FOR RADII	
-	= 1/8" TO 1/4"
C	= 1 1/2"
D	= 1 1/2" TO 2"

APPROVAL:

DIRECTOR OF PUBLIC WORKS

**CURB, GUTTER, &
ATTACHED
SIDEWALK**



STANDARD DETAIL NO.

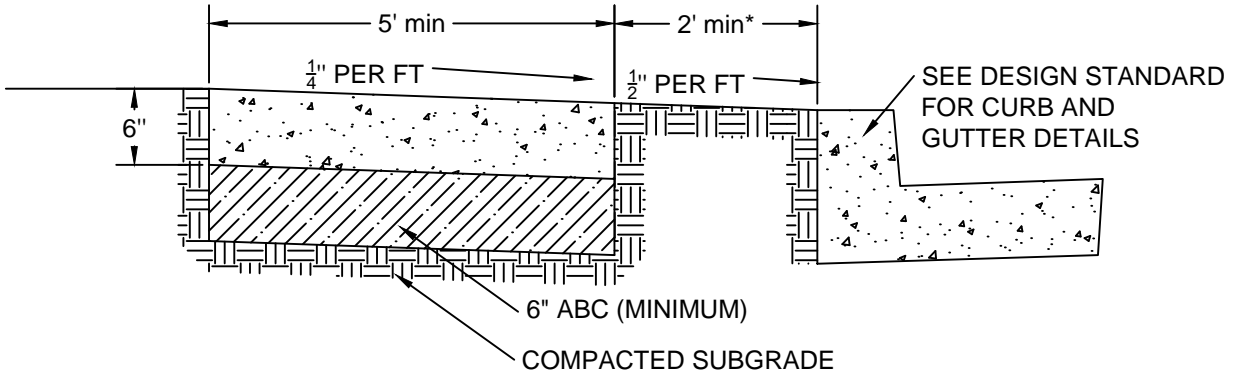
SD-1

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#	MM/YY	DESC 2
#	MM/YY	DESC 3

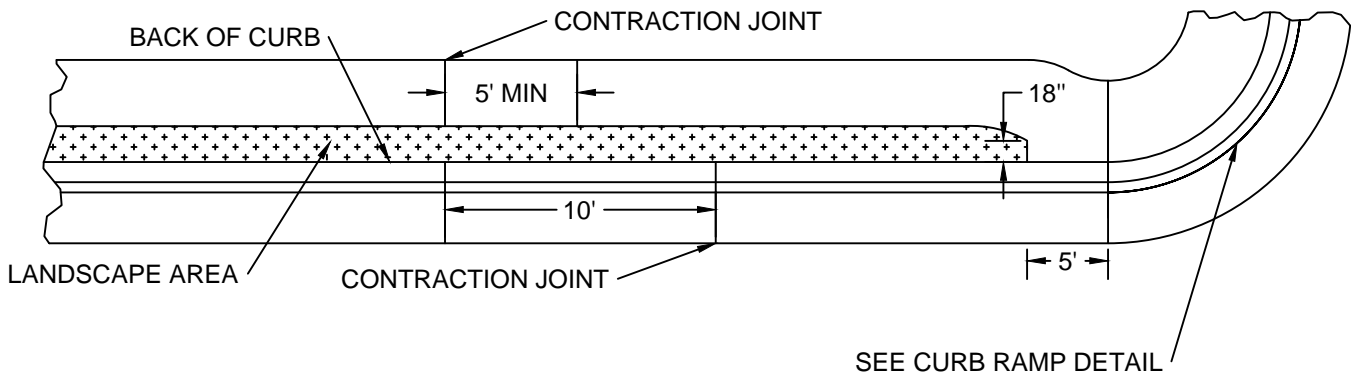
DATE: 07/16

NOT TO SCALE

ELEVATION VIEW




PLAN VIEW



GENERAL NOTES

- 1. SEE SIDEWALK NOTES FOR MORE INFORMATION.
- *REFERENCE THE STANDARD DETAILS FOR TYPICAL STREET SECTIONS FOR LANDSCAPE AREA WIDTH REQUIREMENTS.

APPROVAL: 
 DIRECTOR OF PUBLIC WORKS

DETACHED
 SIDEWALK

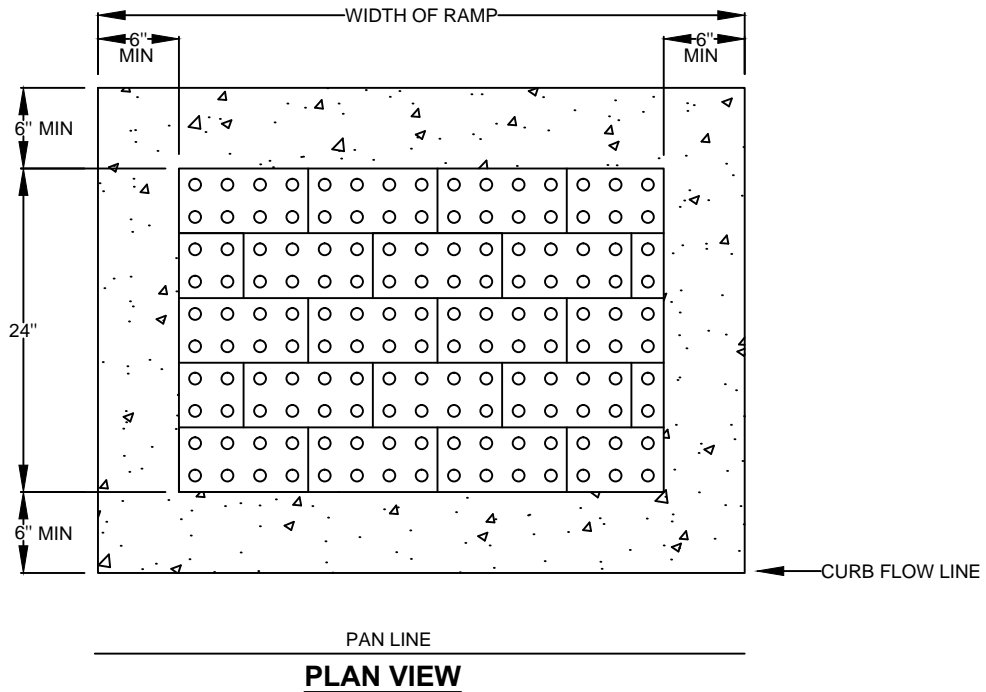


STANDARD DETAIL NO.
 SD-2

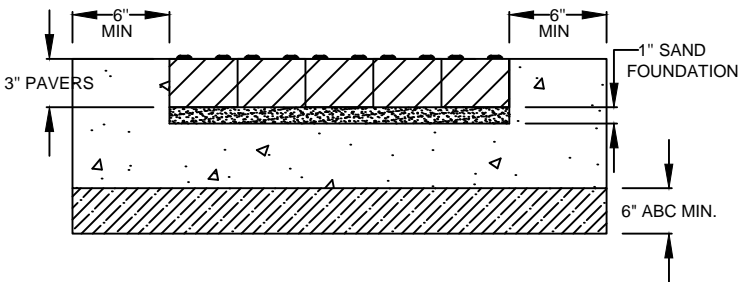
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DATE: 07/16

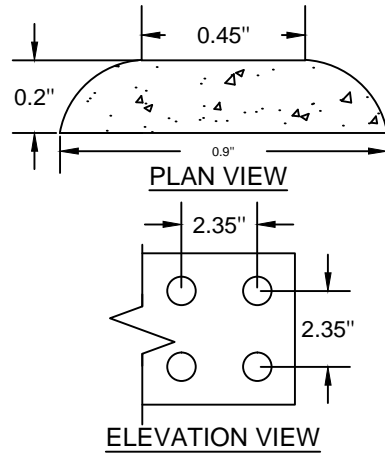
NOT TO SCALE




ELEVATION VIEW



DOMES DETAILS



- NOTES:**
1. DETECTABLE WARNING AREA WITH TRUNCATED DOMES SHALL CONSIST OF PAVERS OR APPROVED EQUAL AND SHALL BE INSTALLED IN THE RECTANGULAR PORTION OF THE RAMP.
 2. PAVERS SHALL BE PLACED IN A RUNNING BOND PATTERN. TRUNCATED DOMES SHALL BE PLACED IN A SQUARE GRID, ALIGNED IN THE DIRECTION OF TRAVEL. WHEN CUT PAVERS ARE REQUIRED, THE PAVERS SHALL BE CUT AND INSTALLED IN SUCH A MANNER THAT THE TRUNCATED DOMES WILL NOT SIGNIFICANTLY IMPACT THE OVERALL PATTERN OF THE TRUNCATED DOMES.
 3. THE ENTIRE DETECTABLE WARNING SURFACE AREA SHALL MATCH DAVIS COLOR TILE RED OR APPROVED EQUAL.
 4. THE DETECTABLE WARNING SURFACE AREAS SHALL START 6 TO 8 INCHES FROM THE FLOW LINE OF THE CURB AND SHALL EXTEND 2 FEET INTO THE RAMP AREA.
 5. VERTICAL CHANGES IN LEVEL BETWEEN PAVERS OR BETWEEN CONCRETE AND PAVERS SHALL NOT EXCEED 1/4 INCH.
 6. DETECTABLE WARNING PANELS SHALL CONFORM TO CURRENT ADA STANDARDS.

APPROVAL: 
 DIRECTOR OF PUBLIC WORKS

**DETECTABLE
WARNINGS**

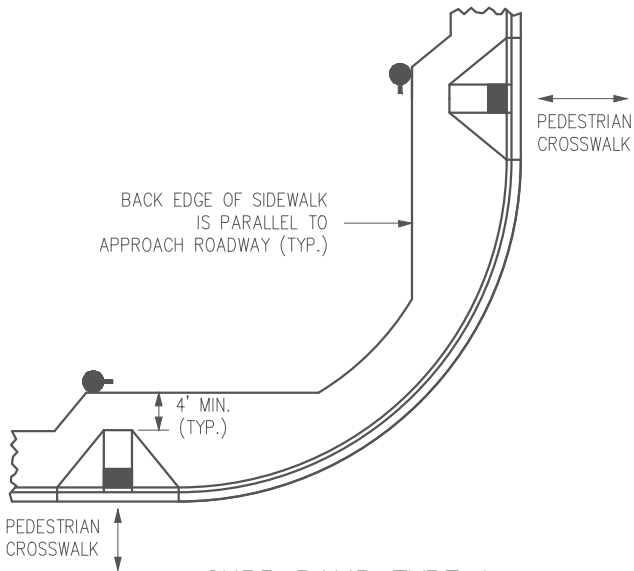


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SD-3

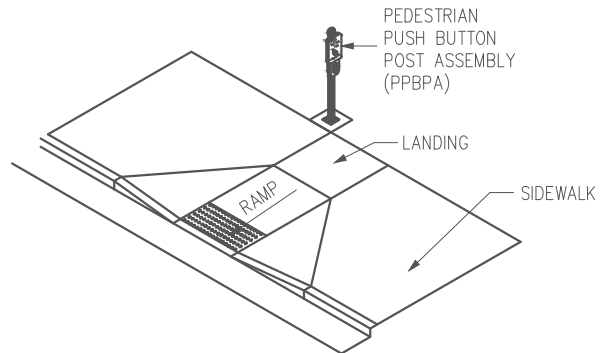
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DATE: 07/16

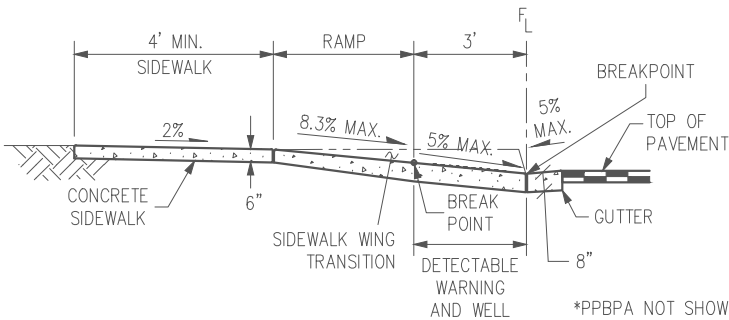
NOT TO SCALE



CURB RAMP TYPE 1

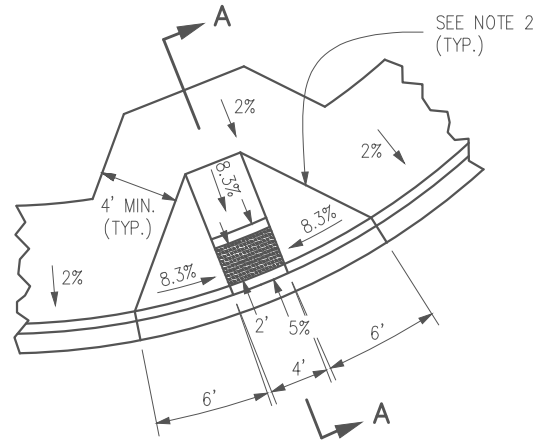


CURB RAMP WITH PEDESTRIAN PUSH BUTTON POST



SECTION A-A*

*PPBPA NOT SHOWN IN SECTION VIEWS AS IT MAY NOT BE REQUIRED




RAMP DETAIL

FOR CURB RAMP TYPE 1

GENERAL NOTES

1. THE DETECTABLE WARNINGS SHALL BE INSTALLED AT SIDEWALK TO STREET TRANSITIONS PER THE CITY OF CENTENNIAL STANDARD DETAIL. THE DOMES SHALL BE IN A SQUARE GRID PATTERN.
2. RAMP SLOPES SHALL BE 8.3% OR FLATTER. THE DETECTABLE WARNING SLOPES SHALL BE 5% OR FLATTER.
3. MINIMUM SIDEWALK WIDTH IS 5 FT.
4. DO NOT INSTALL DRAINAGE STRUCTURES, TRAFFIC SIGNAL EQUIPMENT, JUNCTION BOXES, AND OTHER OBSTRUCTIONS IN FRONT OF THE RAMP ACCESS AREAS.
5. IF THE PLACEMENT OF A PEDESTRIAN PUSH BUTTON ASSEMBLY ON A TRAFFIC SIGNAL POLE WILL NOT BE WITHIN EASY REACH (10" OR LESS AND UNOBSTRUCTED) OF PEDESTRIANS (IN ACCORDANCE WITH THE AMERICANS WITH DISABILITIES ACT), THEN A SEPERATE PEDESTRIAN PUSH BUTTON POST ASSEMBLY (PPBPA) SHALL BE INSTALLED WITHIN EASY REACH. THE PPBPA SHALL MEET THE PROVISIONS FOUND IN THE MUTCD MANUAL, LATEST EDITION.
6. THE SLOPES MAY BE FLATTER THAN WHAT IS SHOWN BUT THEY SHALL NOT EXCEED THESE VALUES. THE CURB RAMP (EXCLUDING ANY FLARED SIDES) OR BLENDED TRANSITION SHALL BE CONTAINED WHOLLY WITHIN THE WIDTH OF THE CROSSWALK AND/OR PEDESTRIAN STREET CROSSING THAT THE RAMP SERVES.

● PEDESTRIAN PUSH BUTTON POST ASSEMBLY (PPBPA). SEE NOTE 5. SEE PLANS FOR LOCATIONS. THE SIGN FACE SHALL BE PARALLEL TO THE CROSSWALK.

APPROVAL: 
 DIRECTOR OF PUBLIC WORKS

CURB RAMPS - TYPE 1



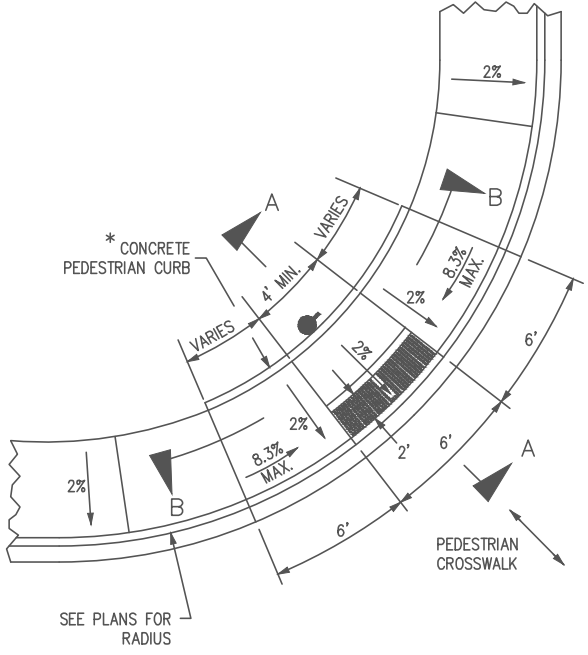
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SD-4

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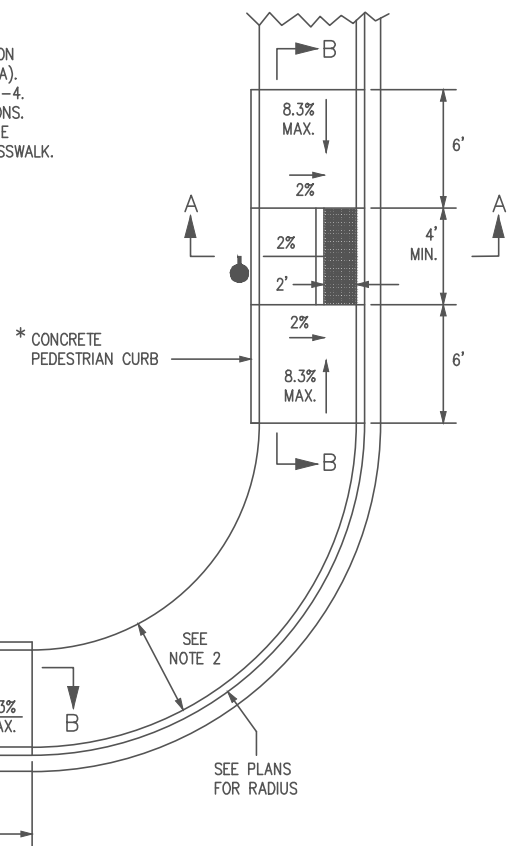
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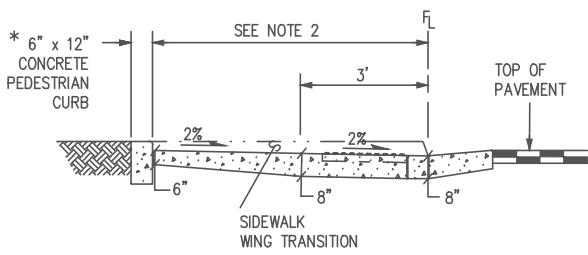


CURB RAMP TYPE 2A
SEE NOTE 3.

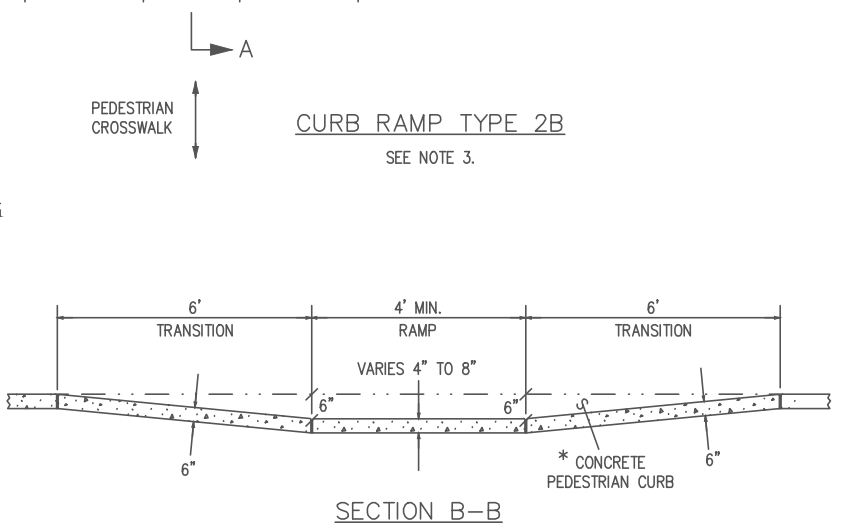
● - PEDESTRIAN PUSH BUTTON POST ASSEMBLY (PPBPA).
SEE NOTE ON DETAIL SD-4.
SEE PLANS FOR LOCATIONS.
THE SIGN FACE SHALL BE PARALLEL TO THE CROSSWALK.



CURB RAMP TYPE 2B
SEE NOTE 3.




SECTION A-A
(PPBPA NOT SHOWN IN SECTION VIEWS AS IT MAY NOT BE REQUIRED.)



SECTION B-B

NOTES

1. CURB RAMP TYPE 2A MAY BE USED IN MID-BLOCK.
2. SEE PLANS FOR SIDEWALK WIDTH. THE MINIMUM SIDEWALK WIDTH IS 5 FT.
3. CURB RAMP TYPE 2A DIAGONAL (ON THE APEX) UNDESIRABLE AND SHALL NOT BE USED UNLESS APPROVED BY THE CITY PROJECT MANAGER. TYPICALLY, TWO CURB RAMPS AS IN TYPE 2B, MUST BE PROVIDED AT EACH STREET CORNER.

APPROVAL: 
DIRECTOR OF PUBLIC WORKS

**CURB RAMPS -
TYPE 2**

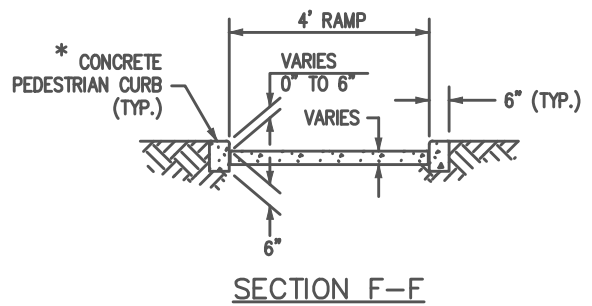
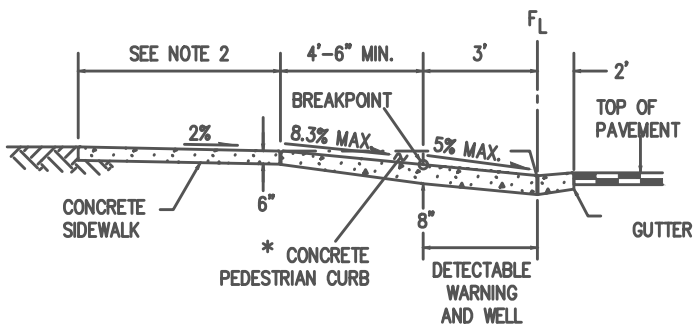
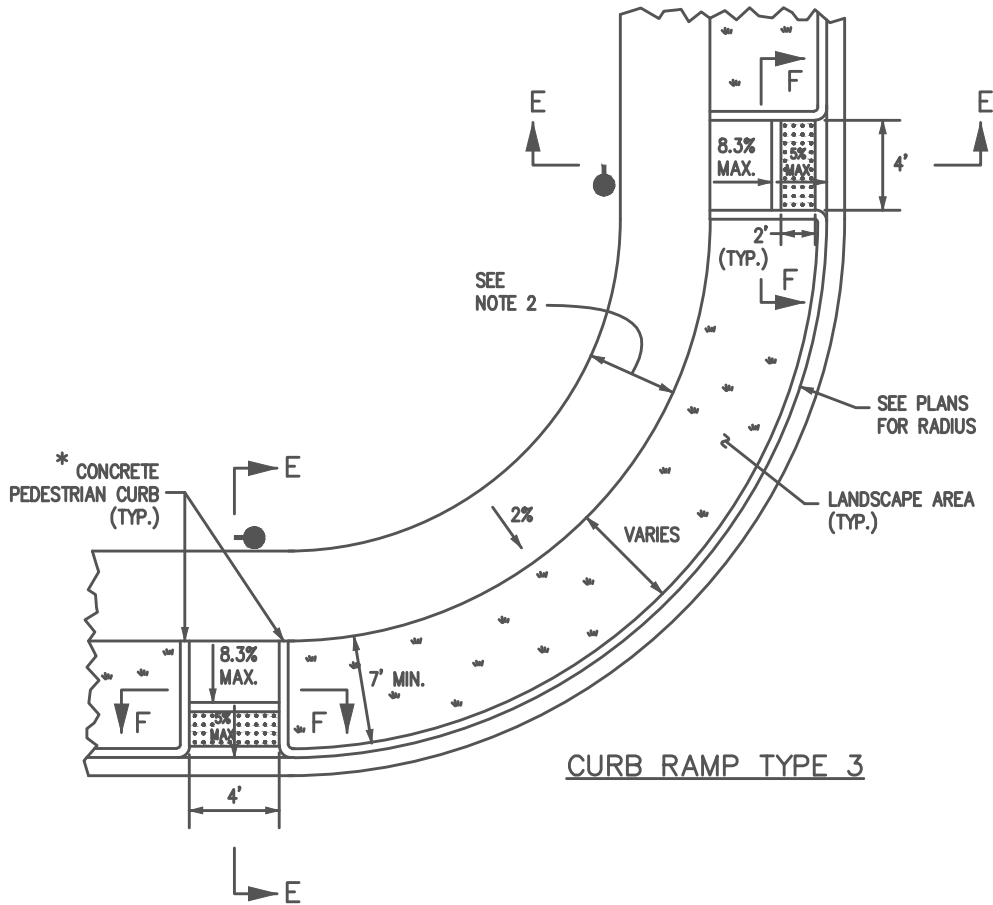


REV #	DATE	DESCRIPTION
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#	MM/YY	DESC 3

STANDARD DETAIL NO.
SD-5

DATE: 07/16

NOT TO SCALE




(PPBPA NOT SHOWN IN SECTION VIEWS AS IT MAY NOT BE REQUIRED.)

NOTES

1. SEE PLANS FOR SIDEWALK WIDTH. THE MINIMUM SIDEWALK WIDTH IS 5 FT.

● - PEDESTRIAN PUSH BUTTON POST ASSEMBLY (PPBPA).
SEE NOTE ON SHEET SD-4.
SEE PLANS FOR LOCATIONS.
THE SIGN FACE SHALL BE PARALLEL TO THE CROSSWALK.

APPROVAL: 
DIRECTOR OF PUBLIC WORKS

**CURB RAMPS -
TYPE 3**



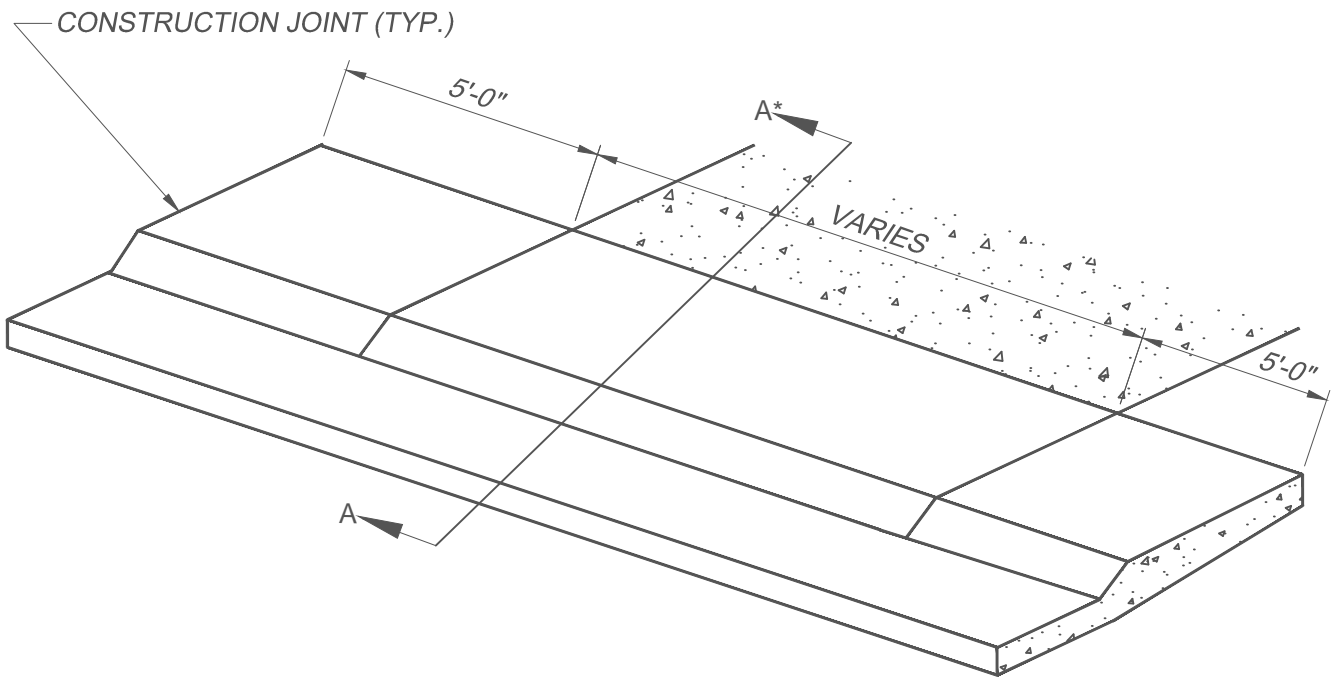
STANDARD DETAIL NO.

SD-6

REV #	DATE	DESCRIPTION
#	MM/YY	DESC 1
#	MM/YY	DESC 2
#	MM/YY	DESC 3

DATE: 07/16

NOT TO SCALE



COMBINATION CURB GUTTER & SIDEWALK WITH DRIVEWAY

NOTES

1. CONSTRUCTION JOINTS REQUIRED IN DRIVEWAY AT MAXIMUM 10' SPACING
2. DRIVEWAYS ARE TO BE PLACED MONOLITHIC WITH CURB & GUTTER
3. CONCRETE THICKNESS SHALL BE 6" MINIMUM ON 6" ABC MINIMUM. SEE STANDARD DETAIL FOR ATTACHED SIDEWALK.
4. ALL ACCESSES ON COLLECTOR AND ARTERIAL STREETS OR ANY NON-SINGLE FAMILY USE MUST BE APPROVED BY THE DIRECTOR OF PUBLIC WORKS OR DESIGNEE.
5. WHERE SITE OR OTHER CONDITIONS WARRANT, THE CITY MAY REQUIRE AN ALTERNATE DESIGN.

* SEE SD-1 (4" MOUNTABLE WITH SIDEWALK) FOR SECTION A-A

APPROVAL:

DIRECTOR OF PUBLIC WORKS

RESIDENTIAL
DRIVEWAY



STANDARD DETAIL NO.

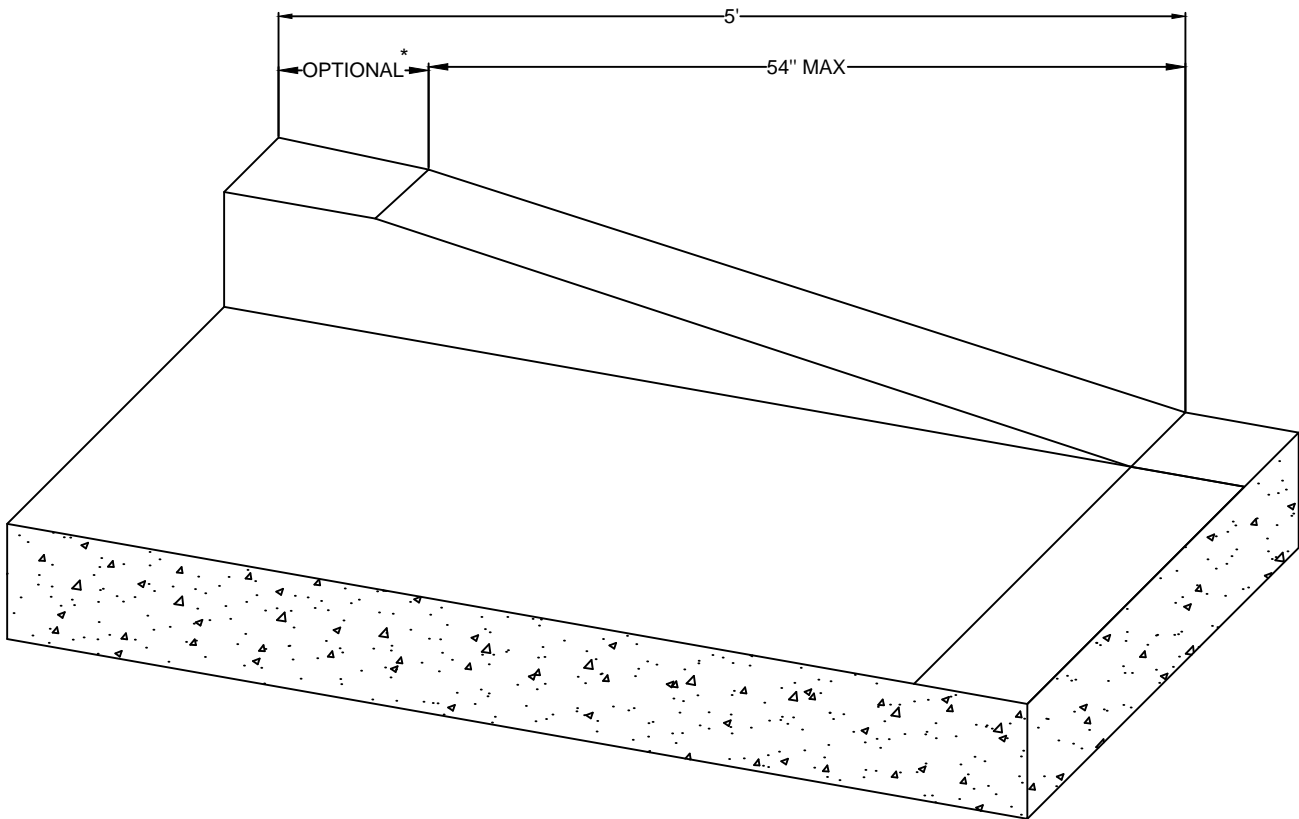
SD-7

REV #	DATE	DESCRIPTION
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#	MM/YY	DESC 2
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DATE: 07/16

NOT TO SCALE

CURB AND GUTTER TRANSITION



NOTE: SEE NOTES ON SD-1 FOR MORE INFORMATION ON BASE COURSE, SLOPES, AND JOINTS.

* WHEN INCLUDED, 6" MINIMUM

APPROVAL:

DIRECTOR OF PUBLIC WORKS

CURB TRANSITION



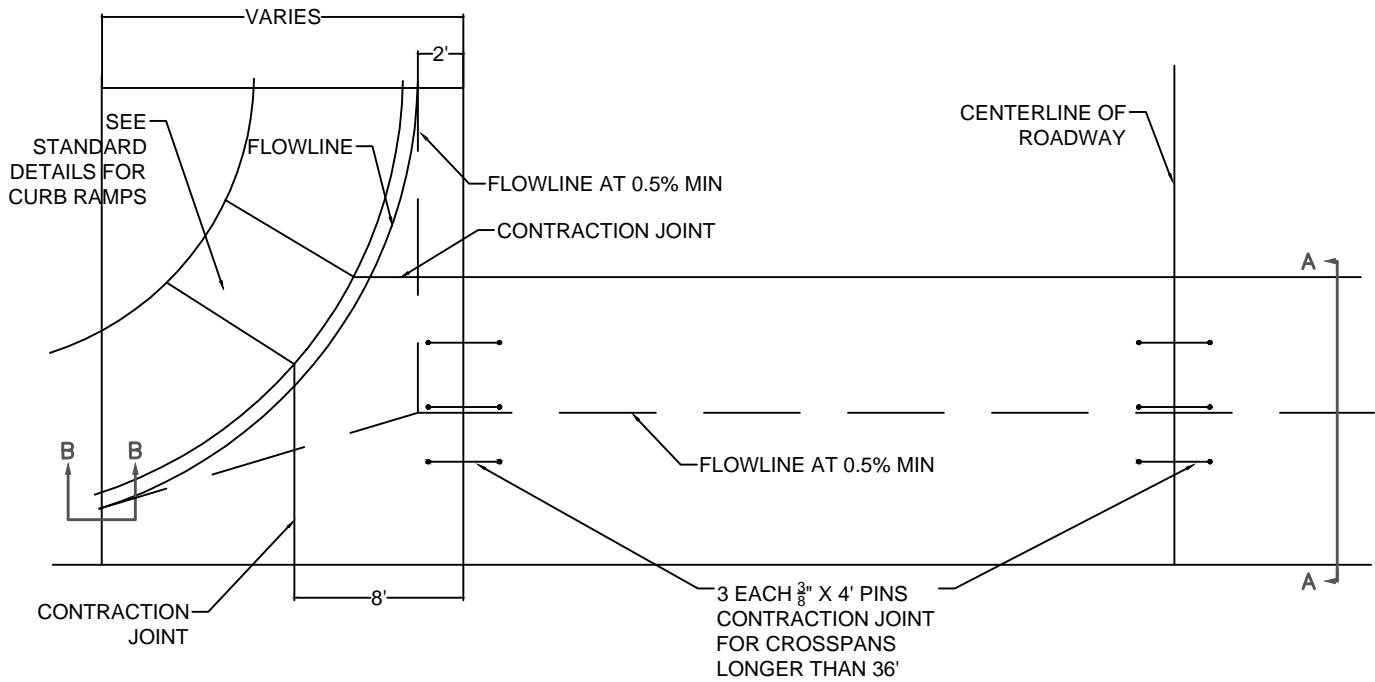
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SD-8

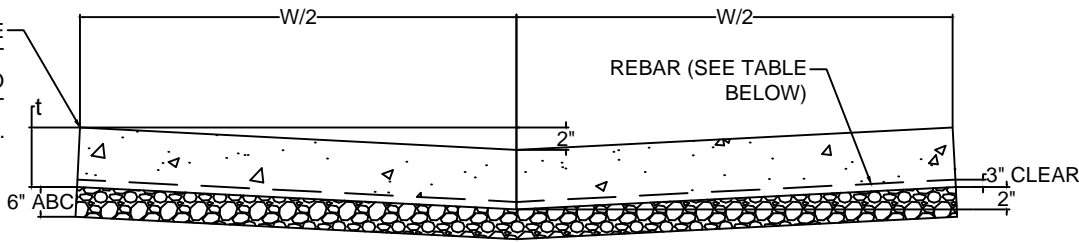
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DATE: 07/16

NOT TO SCALE



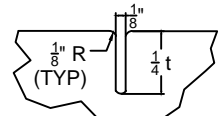
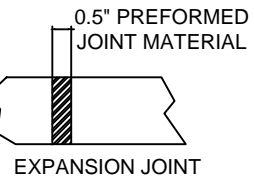
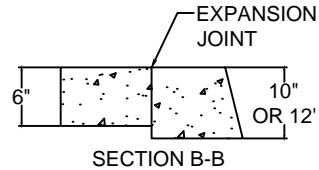
CROWN SHALL BE TRANSITIONED OUT OF THE STREET. NO CROWN EXISTS AT THE CROSSPAN.



SECTION A-A


PAN LENGTH	REBAR REQUIREMENTS
36'	0.10 SQ. IN. PER FOOT (#4 @ 18")
46'	0.13 SQ. IN. PER FOOT (#4 @ 18")
64'	0.20 SQ. IN. PER FOOT (#4 @ 12")
84'	0.26 SQ. IN. PER FOOT (#4 @ 9")

CROSSPAN INFORMATION	
WIDTH (W)	THICKNESS (t)
96 IN.	10" WITH #4 OR 12" NO REBAR
120 IN.	10" WITH #4 OR 12" NO REBAR



NOTES:

1. THE CROSSPAN SHALL BE 12" THICK WITHOUT REINFORCING OR 10" THICK WITH REINFORCING AS DETAILED ABOVE.
2. CONCRETE SHALL BE POURED ON 6" AGGREGATE BASE COURSE (ABC) MINIMUM.
3. JOINT FILLER SHALL BE PLACED WITH THE TOP EDGE 1/4" BELOW THE CONCRETE SURFACE AND SHALL BE HELD IN PLACE BY STEEL PINS DRIVEN INTO THE SUBGRADE AT SPACING ADEQUATE TO PREVENT WARPING OF THE FILLER DURING FLOATING. UPON COMPLETION OF FLOATING, THE STEEL PINS SHALL BE REMOVED AND WHEN FINISHING OPERATIONS HAVE BEEN COMPLETED, THE JOINT SHALL BE EDGED WITH AN EDGING TOOL HAVING A RADIUS OF 1/8".
4. CONTRACTION JOINTS WILL BE PLACED AT 10' MAXIMUM SPACING THROUGHOUT THE CROSSPAN.

APPROVAL: 
 DIRECTOR OF PUBLIC WORKS

CROSSPAN



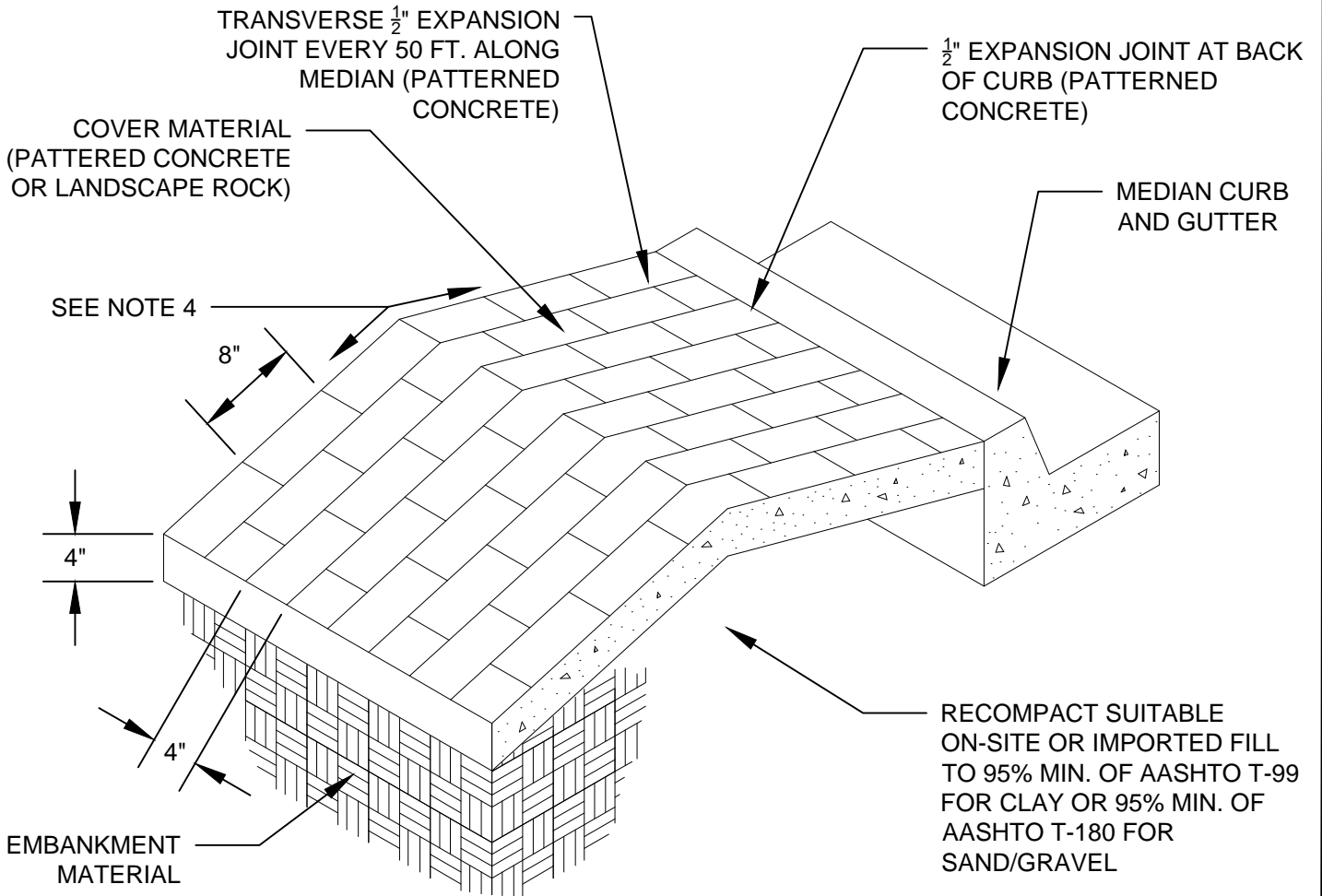
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SD-9

REV #	DATE	DESCRIPTION
#	MM/YY	DESC 1
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DATE: 07/16

NOT TO SCALE



NOTES

1. THE MEDIAN COVER MATERIAL SHALL BE 4" THICK.
2. PATTERNED CONCRETE MEDIAN COVER:
 - INTEGRALLY COLORED CONCRETE, EMBOSSED WITH A RUNNING-BOND BRICK PATTERN AS SHOWN.
 - INSTALL 1/2"x4" EXPANSION MATERIAL AT BACK OF CURB, MEDIAN NOSES, FIXED OBJECTS, AND AT TRANSVERSE JOINTS AT 50 FT. INTERVALS (MAXIMUM) ALONG THE MEDIAN.
 - FOR INTEGRAL COLOR USE DAVIS COLOR SUNSET ROSE OR OMAHA TAN, AS APPROVED BY THE CITY IN ADVANCE.
 - CONCRETE MIX DESIGN SHALL CONFORM TO CDOT CLASS D AND A 28-DAY COMPRESSIVE STRENGTH OF 4000 PSI.
3. LANDSCAPE ROCK MEDIAN COVER:
 - ROCK SHALL BE HORIZON RIVER ROCK COBBLE, 2 INCHES TO 4 INCHES IN SIZE, OR APPROVED EQUAL.
 - COMMERCIAL-GRADE LANDSCAPE WEED BARRIER FABRIC SHALL BE INSTALLED PRIOR TO PLACING ROCK.
 - THE TOP OF LANDSCAPE ROCK SHALL BE FLUSH WITH THE TOP OF THE CURB AND SLOPED TO THE CENTER OF THE MEDIAN PER NOTE 4.
4. COVER MATERIAL CROSS SLOPE MAY VARY IN AREAS WHERE THE CURB AND GUTTER ELEVATIONS ON EACH SIDE OF MEDIAN VARY SIGNIFICANTLY. SLOPE SHALL BE AS APPROVED BY THE CITY IN ADVANCE.
5. WHERE A SIGN IS TO BE PLACED WITHIN THE MEDIAN COVER, INSTALL A 4" PVC SLEEVE THROUGH THE FULL-DEPTH OF MEDIAN COVER MATERIAL. SIGNS PLACEMENT SHALL BE COORDINATED WITH THE CITY.

APPROVAL: 
 DIRECTOR OF PUBLIC WORKS

ROADWAY MEDIAN COVER



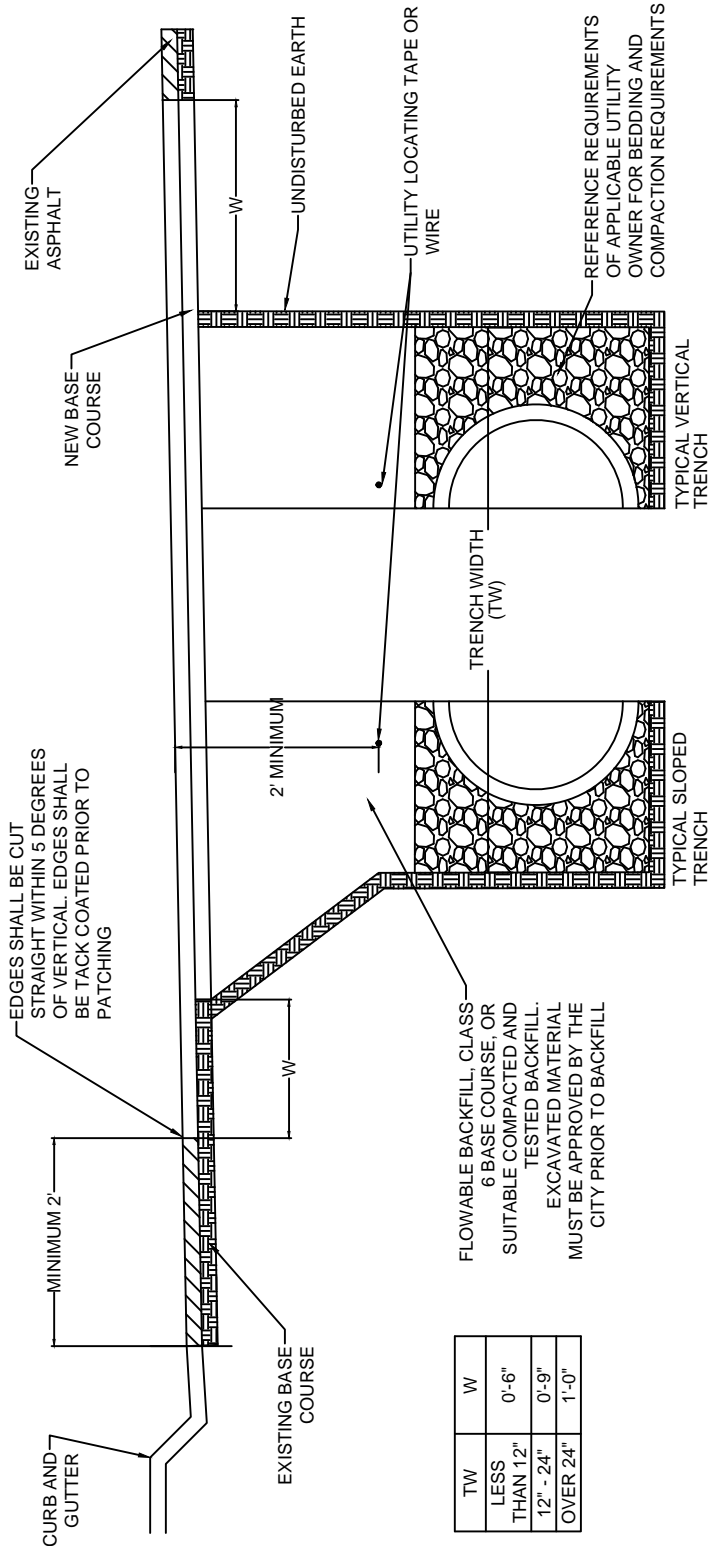
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SD-10

REV #	DATE	DESCRIPTION
#	MM/YY	DESC 1
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#	MM/YY	DESC 3


DATE: 07/16

NOT TO SCALE



TW	W
LESS THAN 12"	0'-6"
12" - 24"	0'-9"
OVER 24"	1'-0"

- NOTES:
1. THIS TRENCH PATCHING DETAIL SPECIFIES REQUIREMENTS IN ADDITION TO THOSE SPECIFIED IN THE MGPEC STANDARDS, LATEST EDITION.
 2. ANY UTILITY INSTALLED WITHIN THE ROW OR EASEMENTS SHALL HAVE UTILITY LOCATING TAPE OR WIRE OVER THE TOP OF THE UTILITY LOCATED AT A MINIMUM OF 2'-0" BELOW FINAL GRADE OR LOCATED ON UTILITY IF MINIMUM DEPTH CAN NOT BE ACHIEVED.
 3. TRENCH SHALL BE BRACED OR SHEETED AS NECESSARY FOR THE SAFETY OF THE WORKMEN AND PROTECTION OF OTHER UTILITIES OR STRUCTURES IN ACCORDANCE WITH APPLICABLE LOCAL, STATE, AND FEDERAL SAFETY REGULATIONS.
 4. THE TRENCH WIDTH SHALL BE CONFINED TO THOSE MINIMUM DIMENSIONS WHICH WILL PERMIT PROPER INSTALLATION AND ACCEPTABLE PIPE LOADING, AS ESTABLISHED BY CURRENT ACCEPTABLE ENGINEERING PRACTICES.
 5. EXISTING ASPHALT SHALL BE CUT BACK TO A MINIMUM OF W (SEE ABOVE) BEYOND THE TRENCH LIMITS OR TO SOUND PAVEMENT, WHICHEVER IS GREATER. IF ENCROACHMENT INTO THE OUTSIDE 2-FOOT ZONE, THE 2-FOOT ZONE SHALL BE INCLUDED IN THE REQUIRED PATCH.
 6. MORATORIUM STREETS WILL REQUIRE ADDITIONAL PAVEMENT REQUIREMENTS. SEE THE ADMINISTRATIVE REGULATIONS FOR WORK WITHIN THE ROW.

APPROVAL: 
 DIRECTOR OF PUBLIC WORKS

TRENCHING AND BEDDING



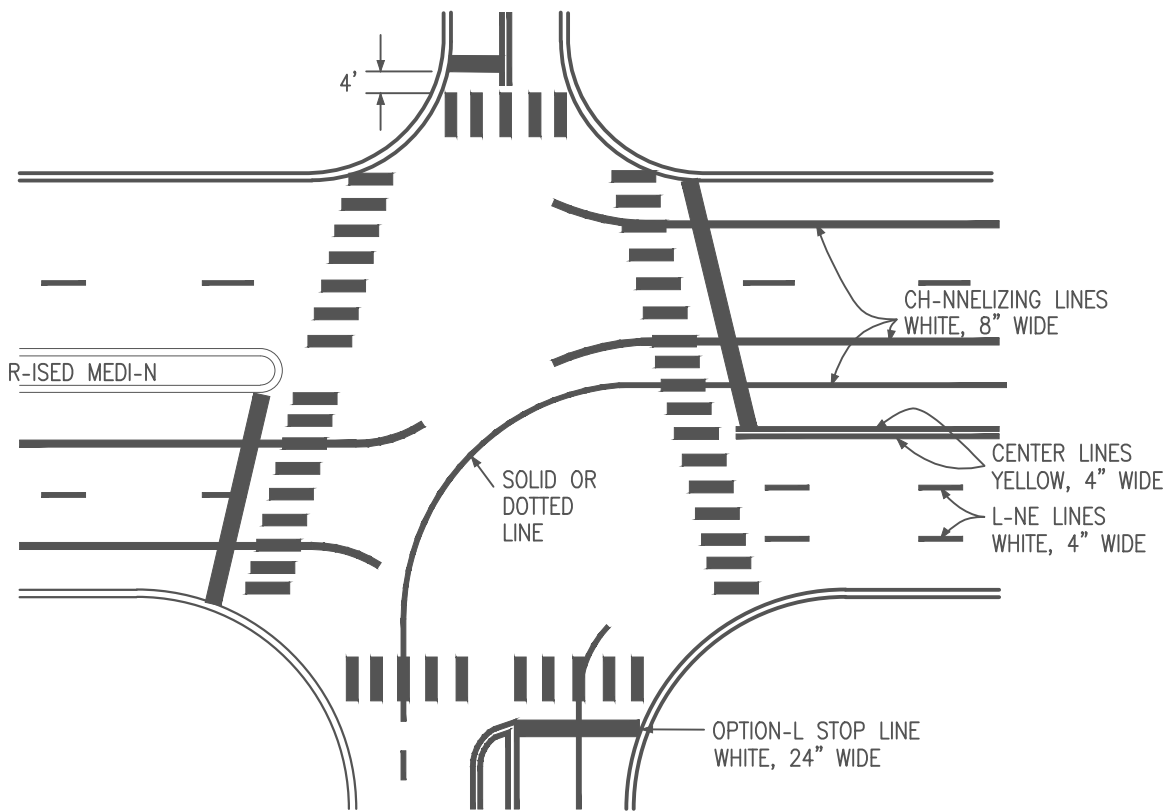
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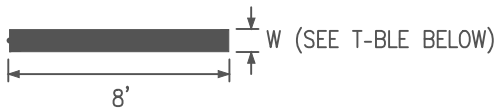
SD-11

DATE: 07/16

NOT TO SCALE




CROSSWALK LINE DETAIL



STREET CLASSIFICATION	W
LOCAL	12"
MINOR COLLECTOR	12"
MAJOR COLLECTOR	24"
ARTERIAL	24"

LAYOUT NOTES

1. CENTER CROSSWALKS ON CURB RAMPS. IF SUCH RAMPS ARE NOT PROVIDED, CENTER ON SIGNAL POLES WHEREVER PRACTICAL.
2. CROSSWALKS SHOULD BE STRIPED EVERY 6' ON-CENTER OR CENTERED ON LANE LINE.

APPROVAL: 
 DIRECTOR OF PUBLIC WORKS

TYPICAL INTERSECTION MARKINGS

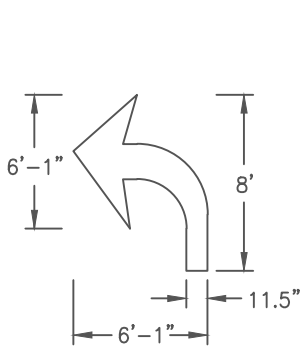


STANDARD DETAIL NO.
 SD-12

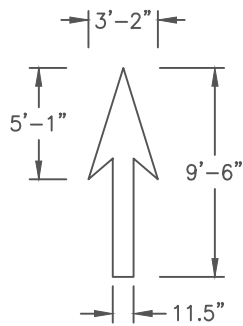
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DATE: 07/16

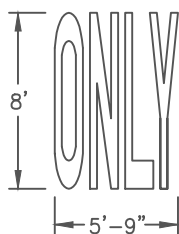
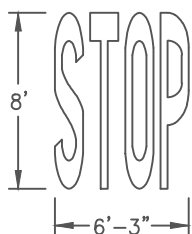
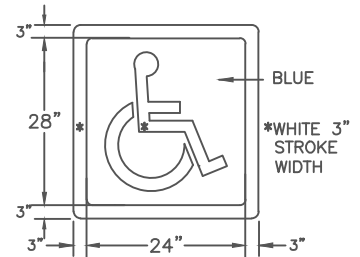
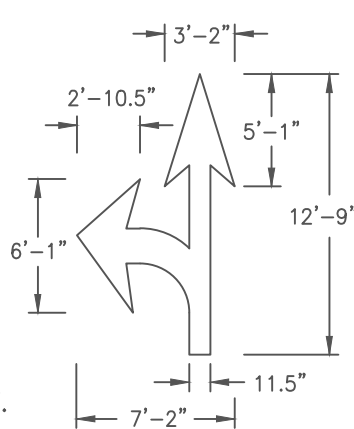
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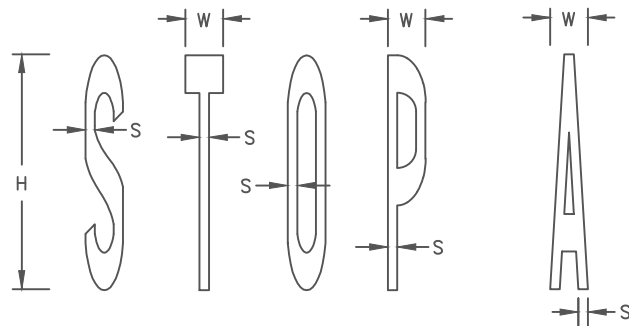
AREA = 15.5 SQ.FT.



AREA = 12.5 SQ.FT.



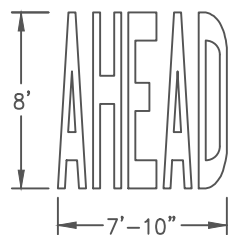
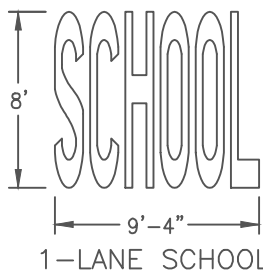
TYPICAL LETTER MEASUREMENTS



H = HEIGHT
W = WIDTH
S = STROKE

H = 8'
W = 1'-3.4" TO 1'-4"
S = 3.8" TO 4"

H = 4'
W = 7.7" TO 8"
S = 1.9" TO 2"

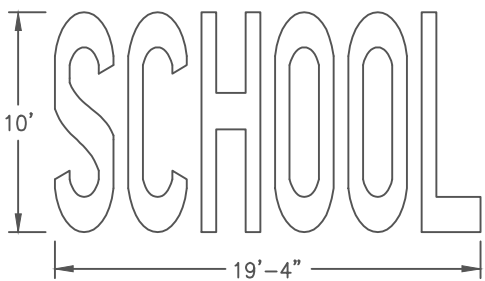


DESIGNATED PAYMENT AREAS

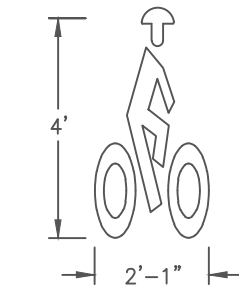
FOR THE FOLLOWING H, W, -ND S DIMENSIONS P-Y:

H = 8' WORDS

- STOP - 23.0 SQ.FT.
- ONLY - 22.5 SQ.FT.
- HE-D - 29.0 SQ.FT.
- SCHOOL(1L) - 33.0 SQ.FT.
- SCHOOL(2L) - 85.0 SQ.FT.



STROKE = 8"
2-LANE SCHOOL



AREA = 3.0 SQ.FT.

NOTES

IF HEIGHT IS INCRE-SED OR DECRE-SED THEN -LL ME-SUREMENTS CH-NGE PROPORTION-TELY. EX-MPLE: "H" ME-SUREMENT FOR STOP IS REDUCED TO 4' FROM 8' THEN SQU-RE FEET = 5.75 (1/4 OF 23.0 SQ. FT.).

APPROVAL:

DIRECTOR OF PUBLIC WORKS

PAVEMENT MARKINGS - WORDS AND SYMBOLS



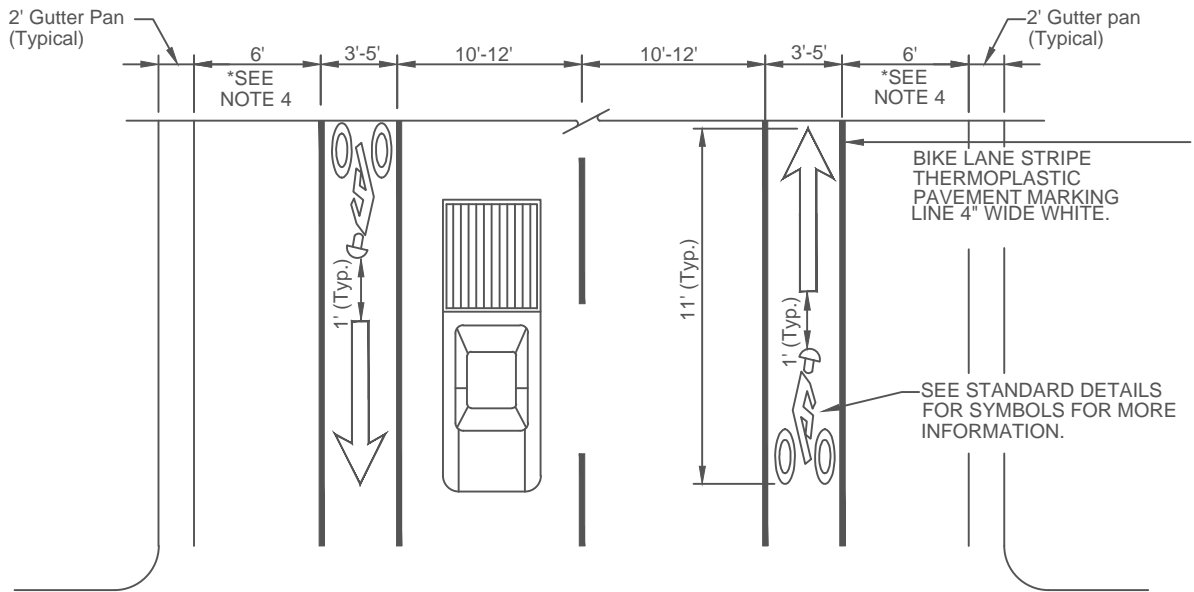
STANDARD DETAIL NO.

SD-13

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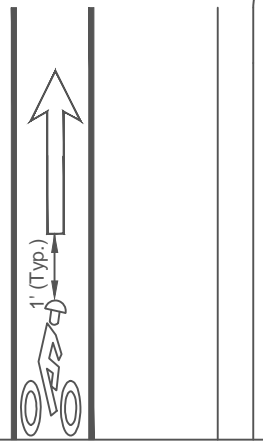
DATE: 07/16

NOT TO SCALE



NOTES

1. BIKE LANE AND PARKING STRIPES REMAIN SOLID WHEN PASSING ALLEY AND DRIVEWAY ENTRANCES.
2. SYMBOL/ARROW COMBINATION SHALL BE PLACED 100' BEFORE AND AFTER EVERY MAJOR INTERSECTION, COLLECTORS & ARTERIALS. SYMBOL/ARROW COMBINATION SHALL BE PLACED MID-BLOCK APPROXIMATELY EVERY 600' ON RESIDENTIAL STREETS.
3. BIKE LANE STRIPES SHALL NOT EXTEND THROUGH ANY PUBLIC STREET INTERSECTION.
4. PARKING MAY NOT BE INCLUDED IN STREET SECTION. IF NOT, REMOVE 6' PARKING AS SHOWN AND MATCH 3-5' BIKE LANE TO LIP OF GUTTER.



APPROVAL:

DIRECTOR OF PUBLIC WORKS

**TYPICAL BIKE LANE
PAVEMENT
MARKINGS**



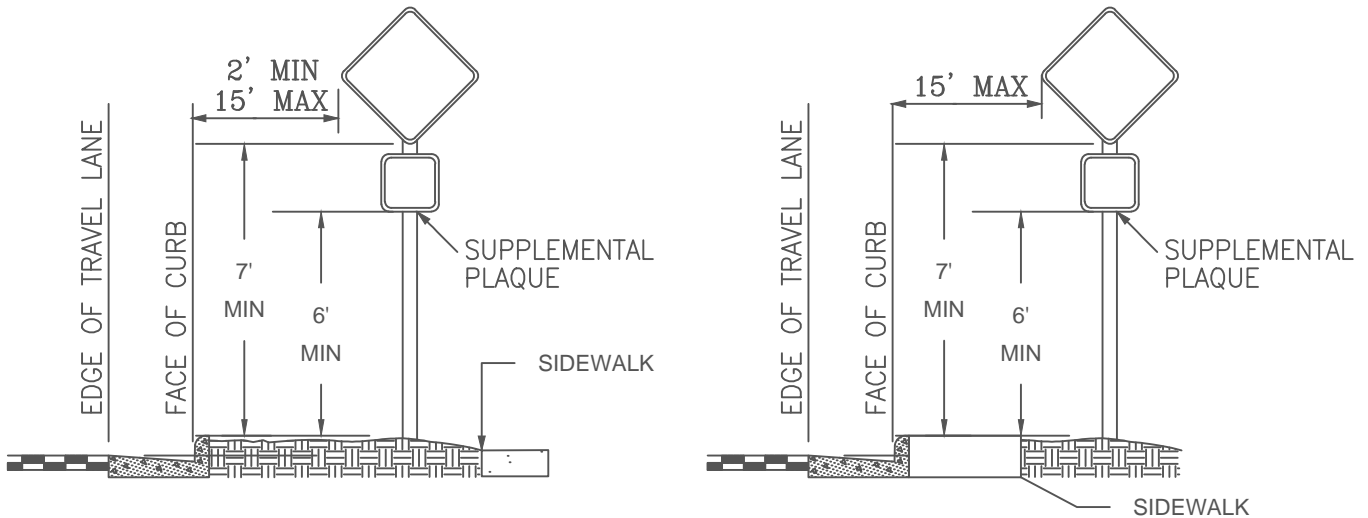
STANDARD DETAIL NO.

SD-14

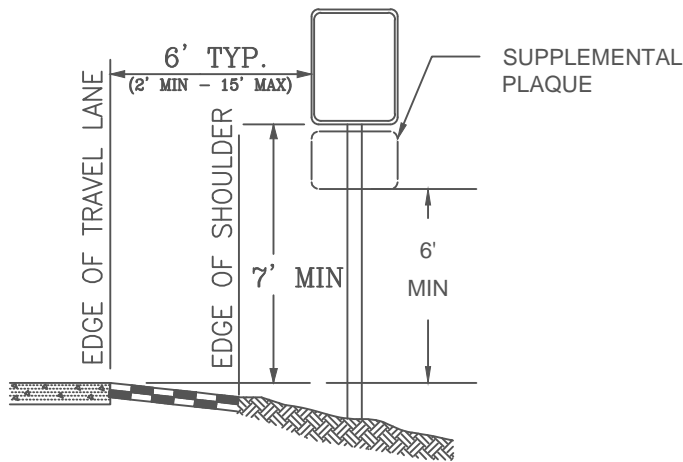
REV #	DATE	DESCRIPTION
#	MM/YY	DESC 1
#	MM/YY	DESC 2
#	MM/YY	DESC 3

DATE: 07/16

NOT TO SCALE



WITH CURB AND GUTTER



WITHOUT CURB AND GUTTER

NOTES:

1. MINIMUM MOUNTING HEIGHT FOR SIGNS IS THE BOTTOM OF THE PRIMARY SIGN WHEN THERE IS NOT A SUPPLEMENTAL SIGN, OR THE BOTTOM OF THE SUPPLEMENTAL SIGN WHEN USED.
2. PLACE SIGN BEHIND SIDEWALK AT 7 FT MINIMUM HEIGHT WHEN SIDEWALK IS ADJACENT TO CURB AND GUTTER.
3. MINIMUM SIGN HEIGHT IS SHOWN. MAXIMUM SIGN HEIGHT IS 1 FT ABOVE MINIMUM MOUNTING HEIGHT.
4. PROVIDE A 7 FT MINIMUM MOUNTING HEIGHT FOR ALL SIGNS AND PLAQUES WHEN SIGN ENCROACHES 4 IN OR MORE Laterally ABOVE PEDESTRIAN WALKWAY.
5. SPECIAL CARE SHOULD BE TAKEN IN SIGN LOCATION TO ENSURE AN UNOBSTRUCTED VIEW OF EACH SIGN.

APPROVAL:

DIRECTOR OF PUBLIC WORKS

GROUND SIGN
PLACEMENT



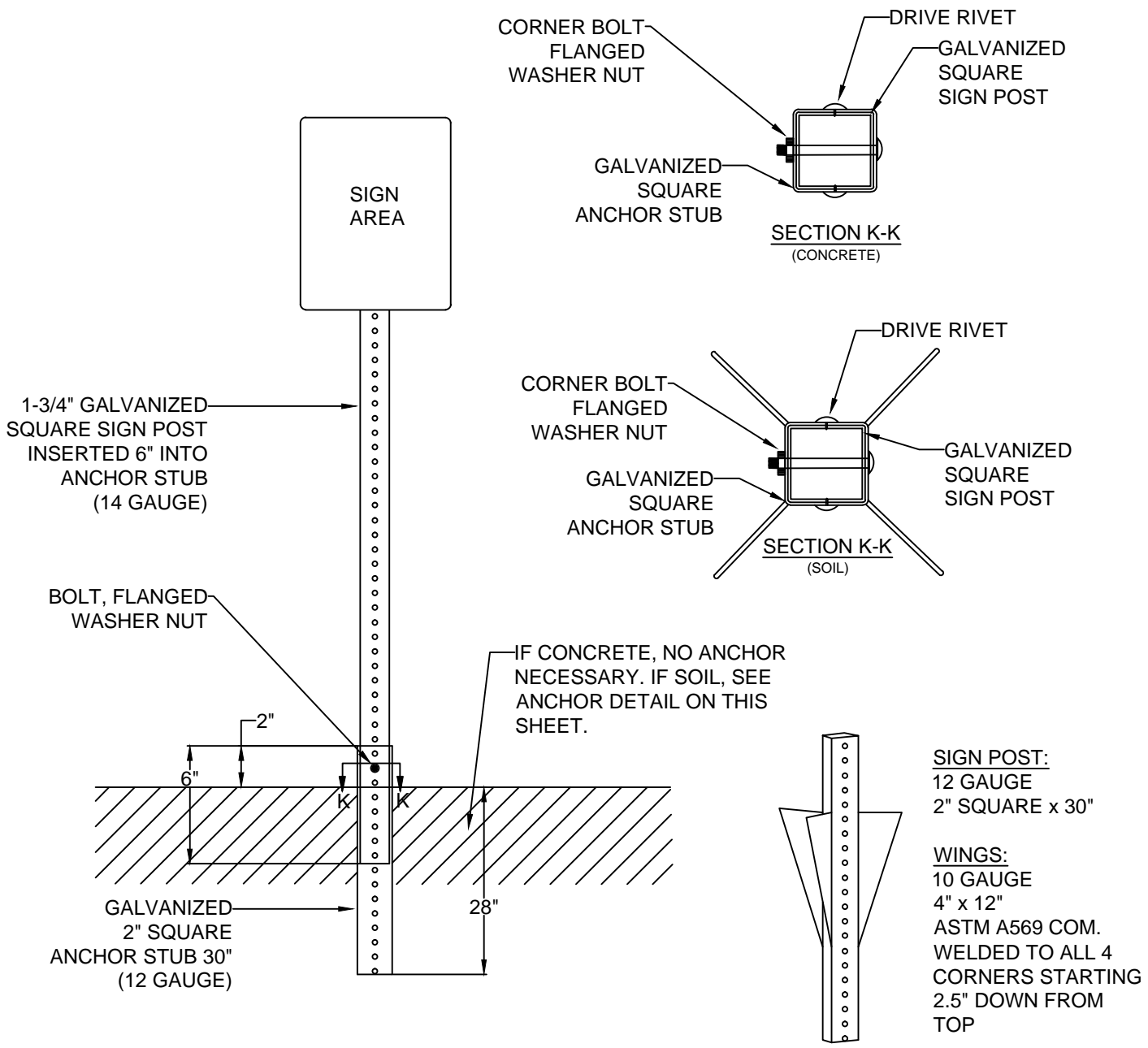
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SD-15

REV #	DATE	DESCRIPTION
#	MM/YY	DESC 1
#	MM/YY	DESC 2
#	MM/YY	DESC 3

DATE: 07/16


NOT TO SCALE



NOTES

1. BOLT SHALL BE INSTALLED PERPENDICULAR TO THE DIRECTION OF TRAVEL.

MULTI-DIRECTIONAL ANCHOR
(FOR USE IN SOIL)

APPROVAL: 
DIRECTOR OF PUBLIC WORKS

SIGNAGE - POSTS AND ANCHORING



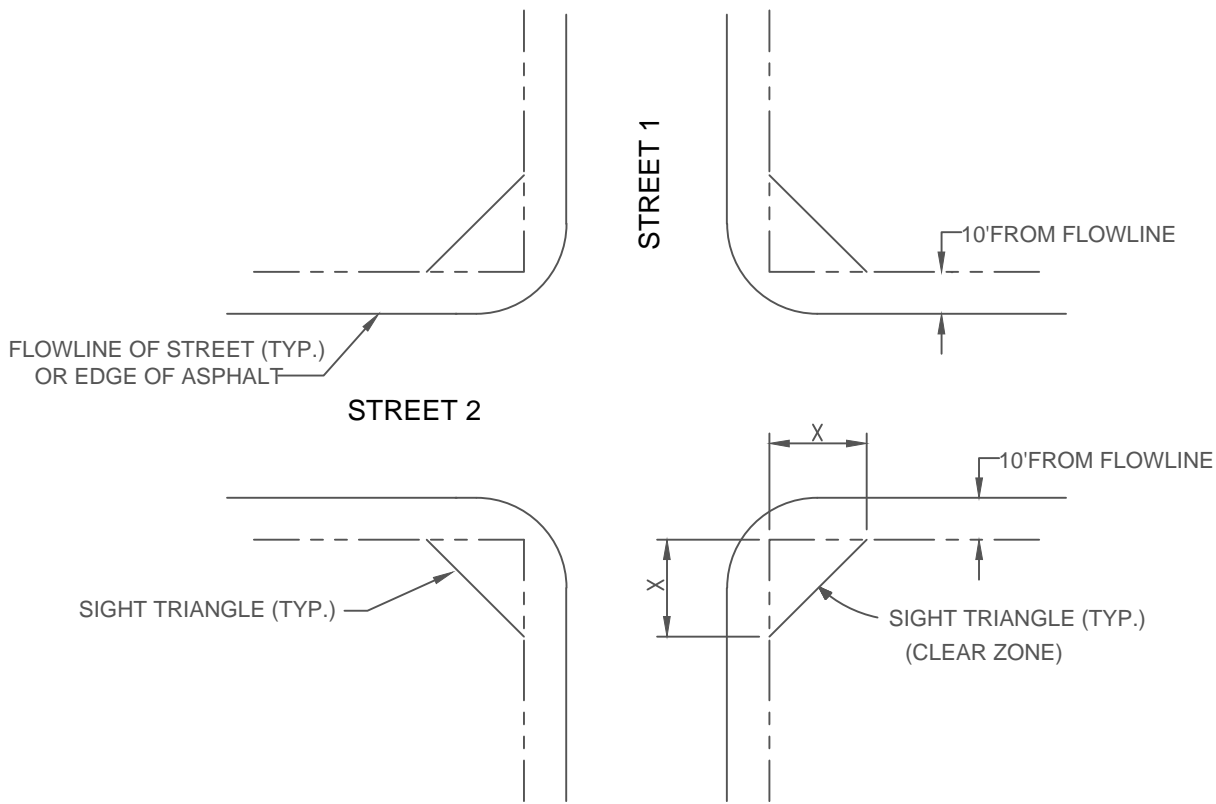
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SD-16

REV #	DATE	DESCRIPTION
#	MM/YY	DESC 1
#	MM/YY	DESC 2
#	MM/YY	DESC 3


DATE: 07/16

NOT TO SCALE



- NOTES: 1. IF THE CLASSIFICATION OF STREETS 1 & 2 DIFFER, USE THE HIGHER CLASSIFICATION TO DETERMINE THE "LEG LENGTH" OF THE SIGHT TRIANGLE.
 2. SEE THE LDC FOR CLEAR ZONE OBSTRUCTION REQUIREMENTS.

STREET CLASSIFICATION	LEG LENGTH (X)
LOCAL	30 FT
COLLECTOR	40 FT
ARTERIAL	50 FT

APPROVAL: 
 DIRECTOR OF PUBLIC WORKS

SIGHT TRIANGLE

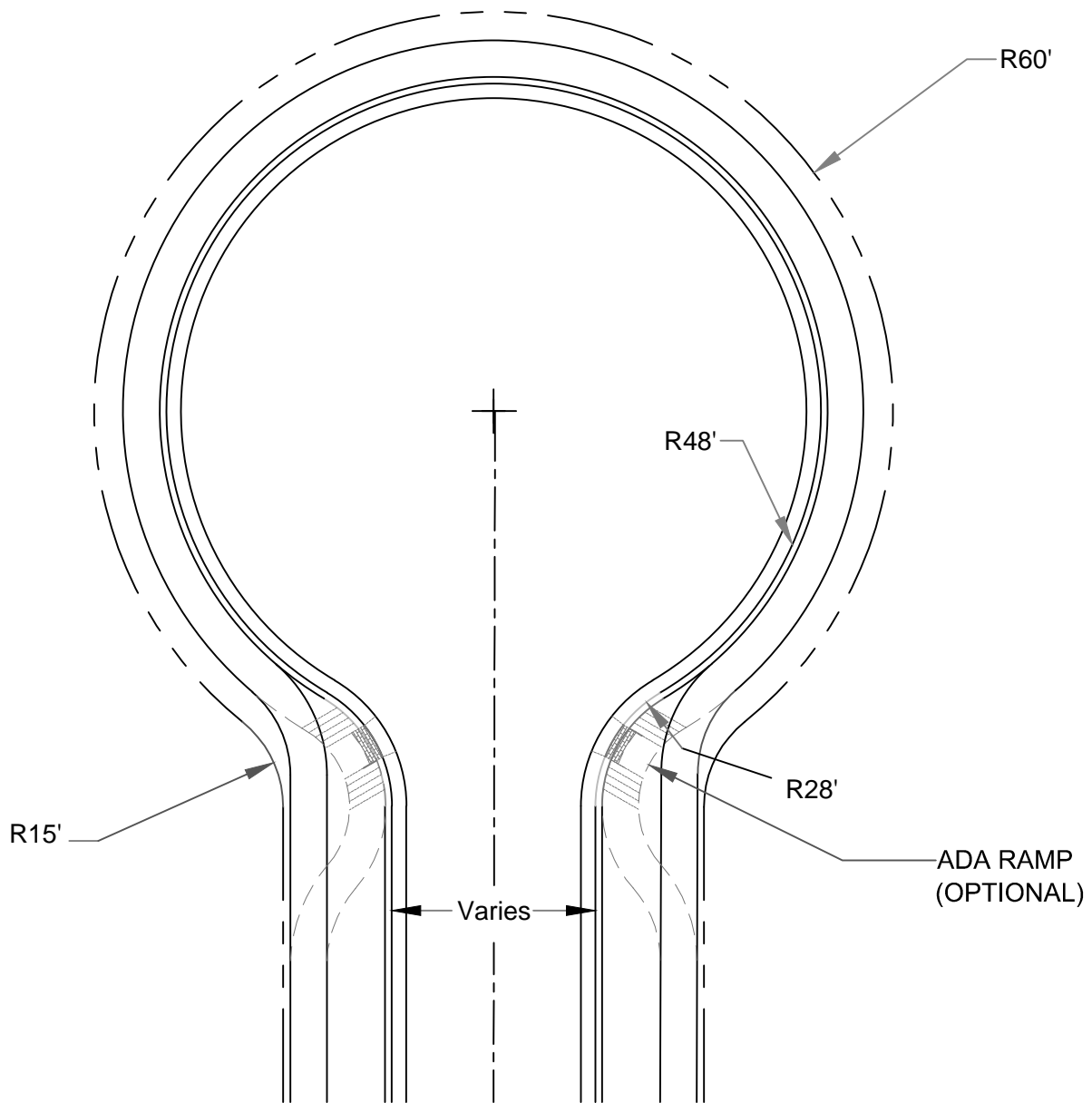


STANDARD DETAIL NO.
 SD-17


REV #	DATE	DESCRIPTION
#	MM/YY	DESC 1
#	MM/YY	DESC 2
#	MM/YY	DESC 3

DATE: 07/16

NOT TO SCALE



CURRENT RADIUS IS 48' TO FLOWLINE
AND 5' ATTACHED SIDEWALK
WITH 60' RADIUS RIGHT- OF - WAY

APPROVAL: 
DIRECTOR OF PUBLIC WORKS

STANDARD
CUL-DE-SAC BULB



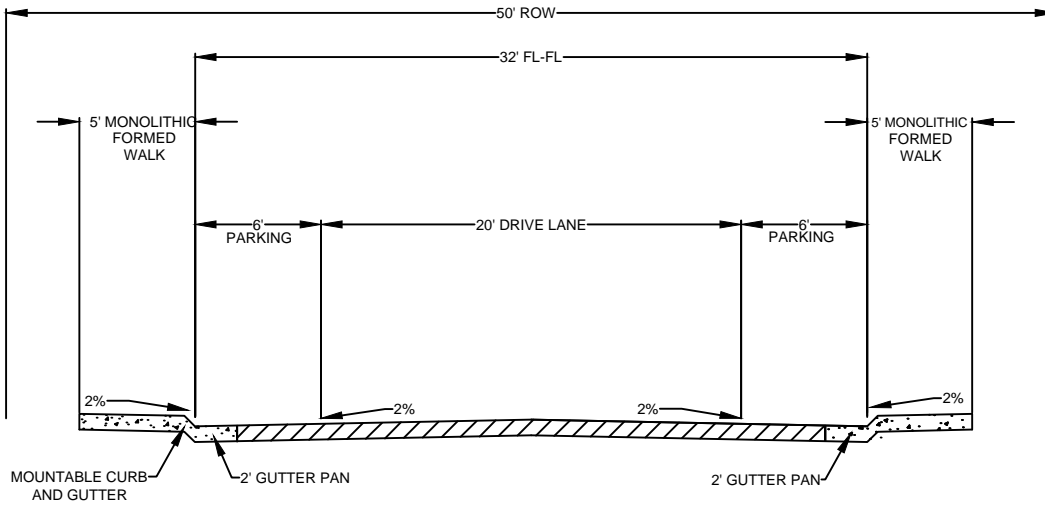
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STANDARD DETAIL NO.
SD-18

DATE: 07/16

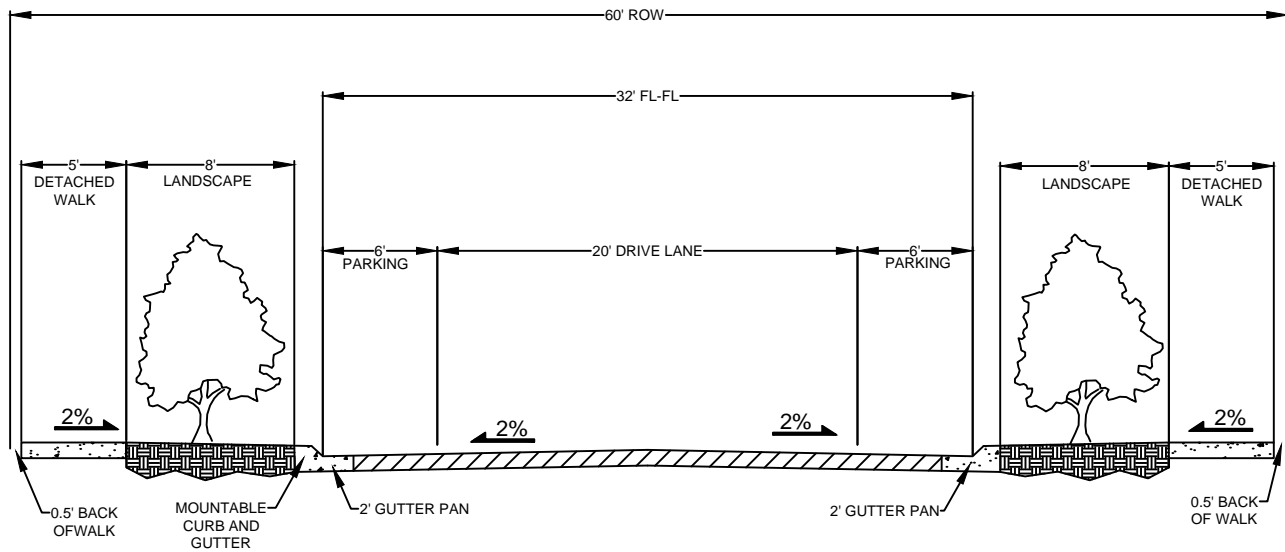
NOT TO SCALE

LOCAL RESIDENTIAL ATTACHED WALK (<1,000 ADT)



- NOTES:
1. DRIVEWAYS SHALL NOT EXCEED 2% SLOPE IN ANY DIRECTION UNTIL BACK OF WALK.
 2. DRIVEWAYS SHALL EXTEND 18-FOOT MINIMUM FROM BACK OF WALK TO THE STRUCTURE.

LOCAL RESIDENTIAL DETACHED WALK (<1,000 ADT)



- NOTES:
1. DRIVEWAYS SHALL NOT EXCEED 2% SLOPE IN ANY DIRECTION UNTIL BACK OF WALK.
 2. DRIVEWAYS SHALL EXTEND 18-FOOT MINIMUM FROM BACK OF WALK TO THE STRUCTURE.

APPROVAL:

DIRECTOR OF PUBLIC WORKS

TYPICAL LOCAL RESIDENTIAL STREET CROSS-SECTIONS



STANDARD DETAIL NO.

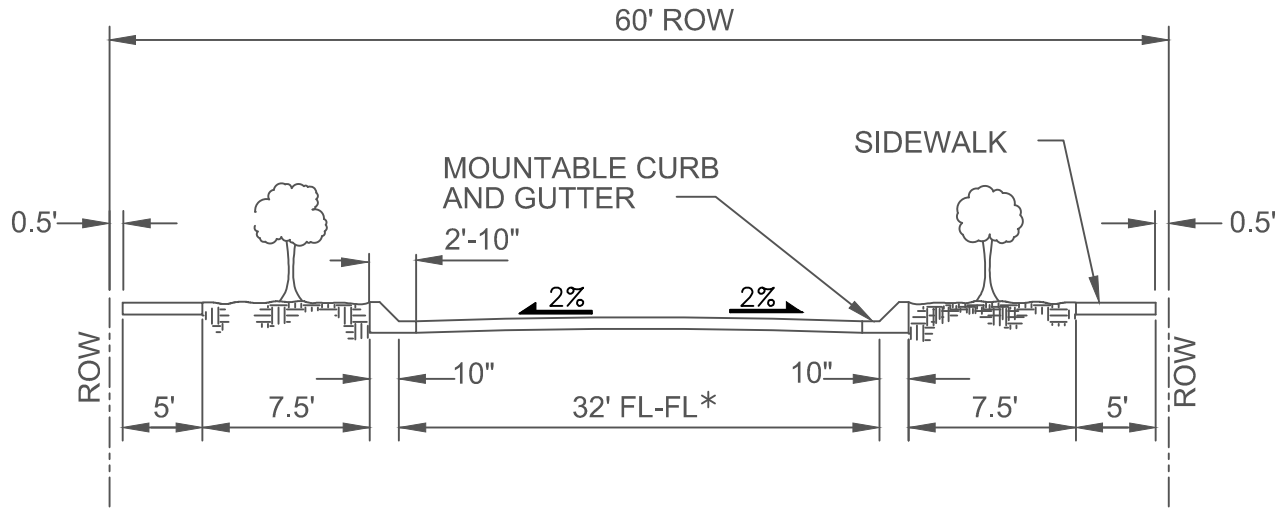
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REV #	DATE	DESCRIPTION
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#	MM/YY	DESC 3

DATE: 07/16

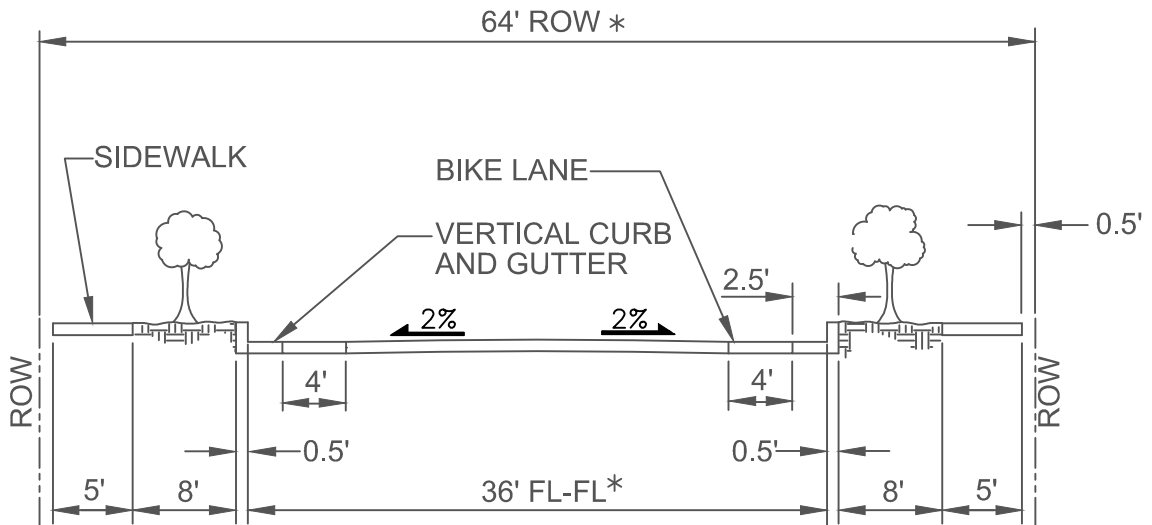
NOT TO SCALE

LOCAL COMMERCIAL (<3,000 ADT)



- NOTES:
1. LEFT-TURN L-NEE -T INTERSECTIONS -ND -CESS POINTS -S NECESS-RY.
 2. LIMITED -ND RESTRICTED -CESS.
 3. NO SINGLE F-MILY RESIDENTI-L FRONT-GE OR RESIDENTI-L DRIVEW-Y -CESS.
- * WITH ON-STREET P-RKING, -DD 6-FEET TO E-CH SIDE.

MINOR COLLECTOR (<8,000 ADT)



- NOTES:
1. LEFT-TURN L-NEE -T INTERSECTIONS -ND -CESS POINTS -S NECESS-RY.
 2. LIMITED -ND RESTRICTED -CESS.
 3. NO SINGLE F-MILY RESIDENTI-L FRONT-GE OR DRIVEW-Y -CESS.
- * WITH ON-STREET P-RKING, -DD 6-FEET TO E-CH SIDE.

APPROVAL:

DIRECTOR OF PUBLIC WORKS

TYPICAL LOCAL
COMMERCIAL AND
COLLECTOR STREET
CROSS-SECTIONS



STANDARD DETAIL NO.

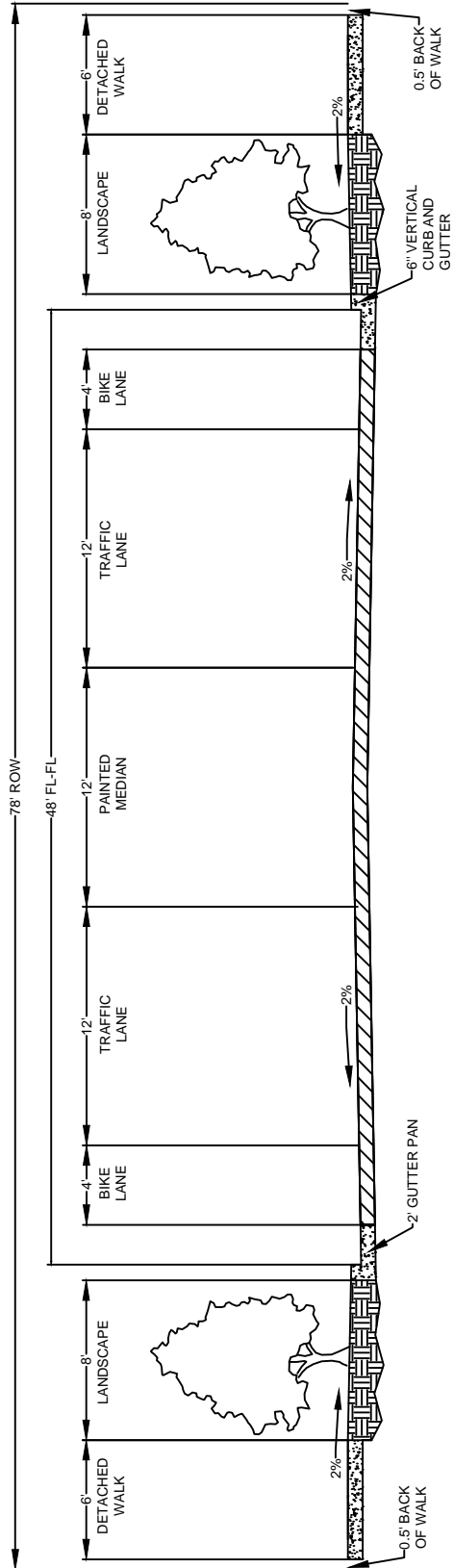
SD-20

REV #	DATE	DESCRIPTION
#	MM/YY	DESC 1
#	MM/YY	DESC 2
#	MM/YY	DESC 3

DATE: 07/16

NOT TO SCALE

MAJOR COLLECTOR (<15,000 ADT)



- NOTES:
1. RESIDENTIAL DRIVEWAYS SHALL BE PROHIBITED ON MAJOR COLLECTOR ROADWAYS.
 2. BIKE LANES, AT INTERSECTIONS WHERE AUXILIARY LANES ARE REQUIRED, SHALL CONTINUE THROUGH AND THE AUXILIARY LANE. VEHICLES SHALL YIELD TO BIKE TRAFFIC.

APPROVAL: 
 DIRECTOR OF PUBLIC WORKS

TYPICAL MAJOR COLLECTOR STREET CROSS-SECTION



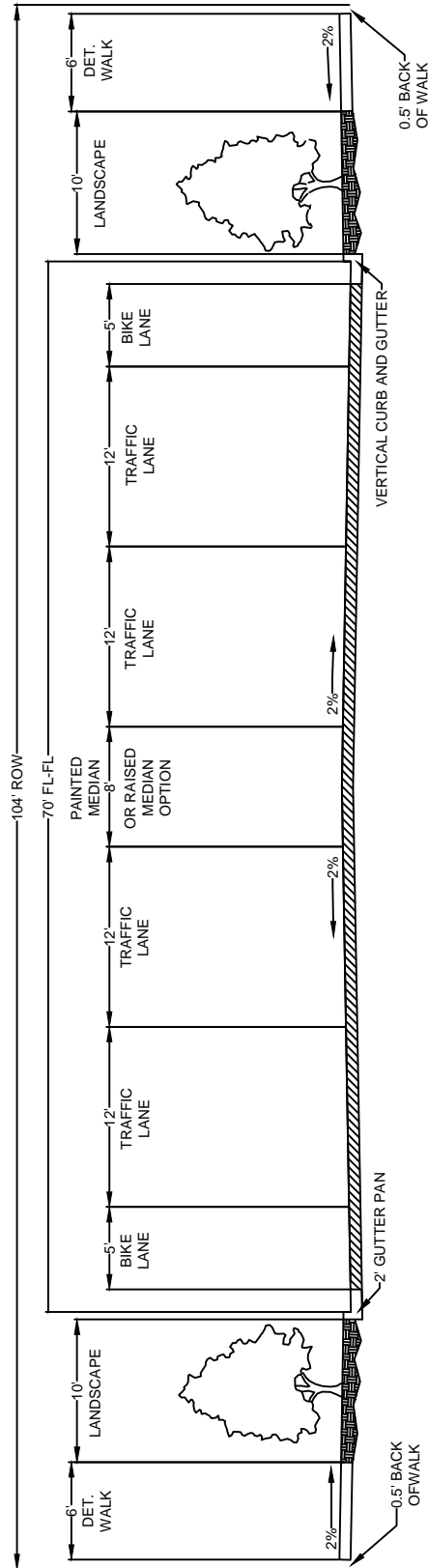
STANDARD DETAIL NO.
 SD-21

REV #	DATE	DESCRIPTION
#	MM/YY	DESC 1
#	MM/YY	DESC 2
#	MM/YY	DESC 3

DATE: 07/16

NOT TO SCALE

FOUR-LANE ARTERIAL (<30,000 ADT)



- NOTES:
1. ON STREETS WHERE BIKE LANE MARKING/DESIGNATION HAS BEEN APPROVED, BIKE LANES AT INTERSECTIONS WHERE AUXILIARY LANES ARE REQUIRED BIKE LANES SHALL CONTINUE THROUGH AND AUXILIARY LANE VEHICLES SHALL YIELD TO BIKE TRAFFIC.
 2. MEANDERING SIDEWALK IS PERMISSIBLE PROVIDED IT REMAINS WITHIN RIGHT-OF-WAY OR ADEQUATE PUBLIC USE EASEMENTS ARE DEDICATED.

APPROVAL:

DIRECTOR OF PUBLIC WORKS

TYPICAL FOUR-LANE ARTERIAL STREET CROSS-SECTION



STANDARD DETAIL NO.

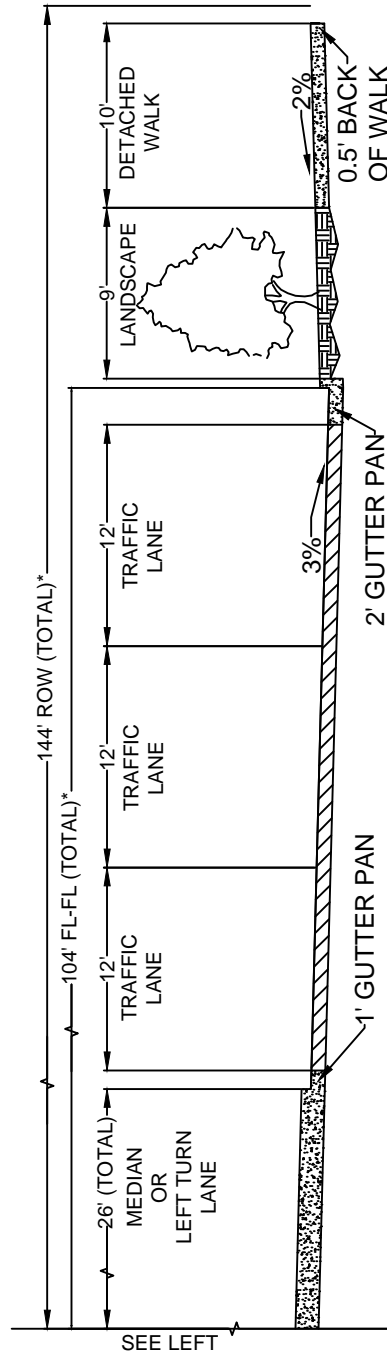
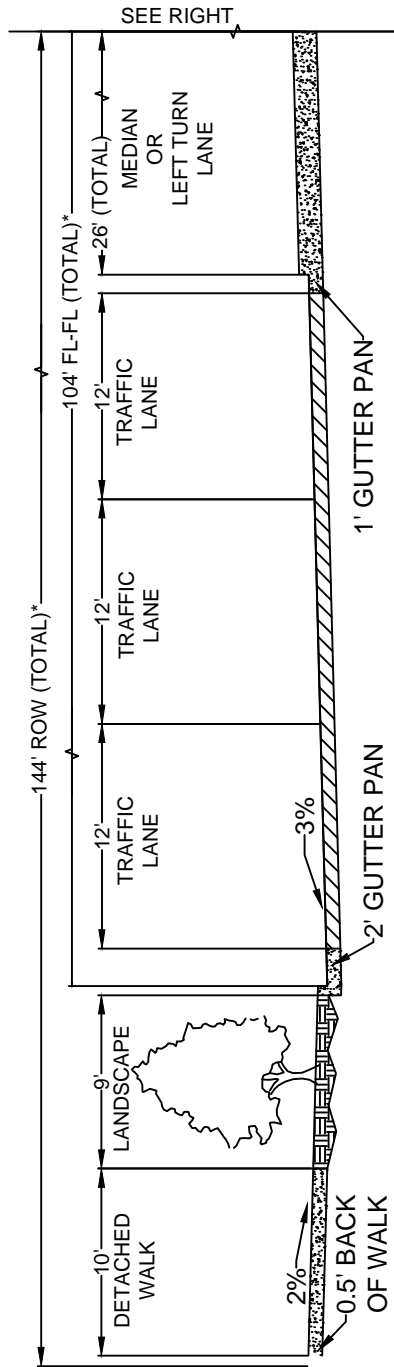
SD-22

REV #	DATE	DESCRIPTION
#	MM/YY	DESC 1
#	MM/YY	DESC 2
#	MM/YY	DESC 3

DATE: 07/16

NOT TO SCALE

SIX-LANE PRINCIPAL ARTERIAL (>30,000 ADT)
WITHOUT BIKE LANES



- NOTES:
1. MEANDERING SIDEWALK IS PERMISSIBLE PROVIDED IT REMAINS WITHIN RIGHT-OF-WAY OR ADEQUATE PUBLIC USE EASEMENTS ARE DEDICATED.
 2. SEE STANDARD DETAIL FOR MEDIAN COVER FOR MORE INFORMATION ON RAISED MEDIAN REQUIREMENTS.
*WITH BIKE LANES, ADD 5' TO EACH SIDE

APPROVAL:

DIRECTOR OF PUBLIC WORKS

TYPICAL SIX-LANE
PRINCIPAL ARTERIAL
STREET CROSS-SECTION



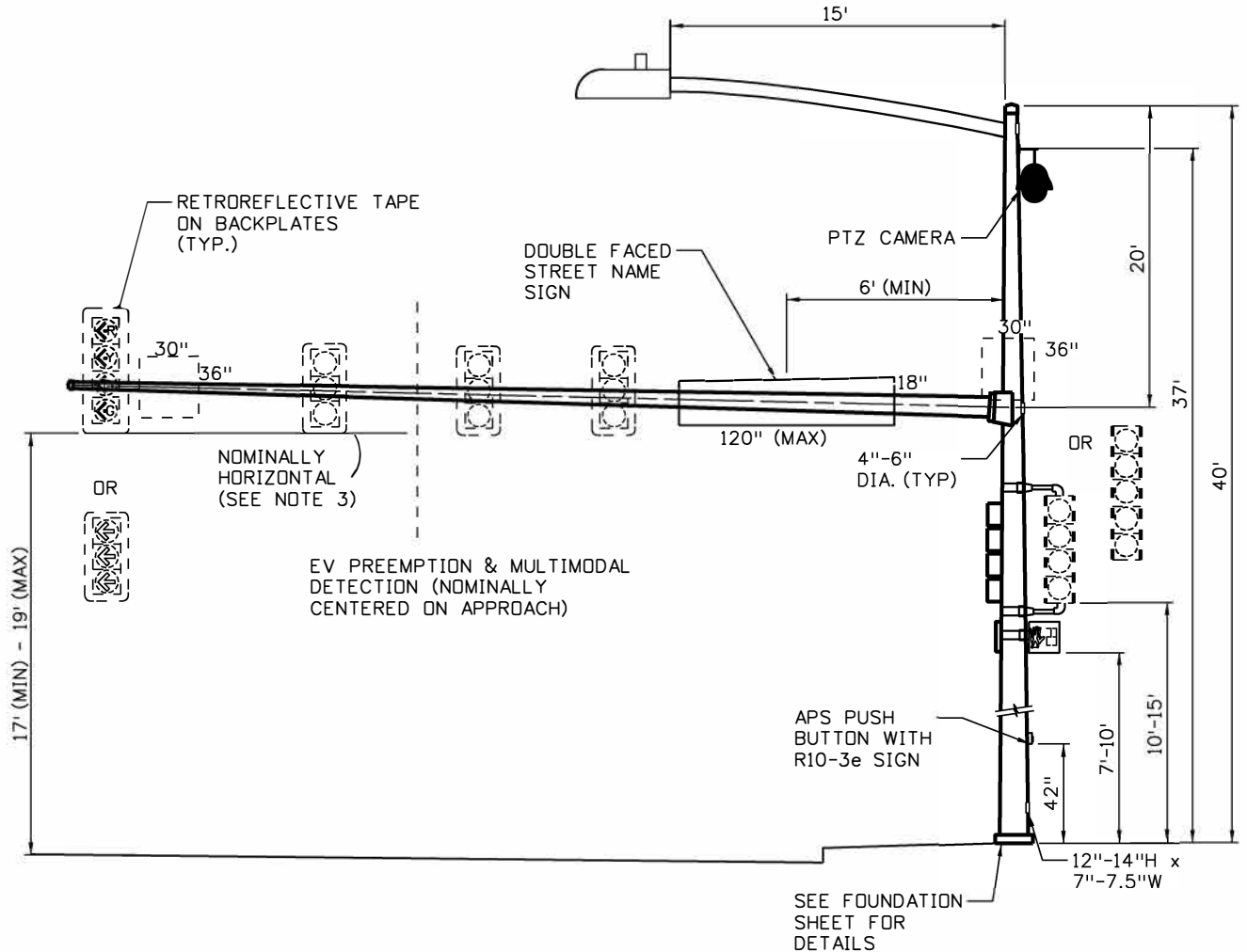
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SD-23

REV #	DATE	DESCRIPTION
#	MM/YY	DESC 1
#	MM/YY	DESC 2
#	MM/YY	DESC 3

DATE: 07/16

NOT TO SCALE



NOTES:

1. CONDITION SHOWN INDICATES MAXIMUM LOADING FOR MASTARMS UP TO 45 FEET IN LENGTH. ACTUAL LENGTH MAY VARY BY LOCATION.
2. REFERENCE CURRENT CITY OF CENTENNIAL ROADWAY DESIGN AND CONSTRUCTION STANDARDS, SECTION 4.7, FOR SPECIFICS OF REQUIRED SIGNING AND SIGNALS TO DETERMINE THE LOADING SURFACE AREAS AND WEIGHTS NECESSARY FOR POLE AND MAST ARM DESIGN. ALL OTHER REQUIREMENTS SHALL BE SHOWN IN THESE STANDARD DRAWINGS. DESIGN SHALL BE PER THE CURRENT EDITION OF AASHTO LRFD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS, INCLUDING ALL INTERIMS AND ERRATA.
3. THE BOTTOM OF ALL MAST ARM-MOUNTED SIGNAL HEADS SHALL BE ON THE SAME HORIZONTAL PLANE AND HAVE A MINIMUM CLEARANCE OF 17 FEET AND MAXIMUM OF 19 FEET ABOVE THE PAVEMENT SURFACE AT THE CENTER OF THE ROADWAY, UNLESS OTHERWISE SPECIFIED.
4. POLE COLOR TO BE AS SPECIFIED ON DESIGN PLANS OR AS OTHERWISE DIRECTED BY THE CITY TRAFFIC ENGINEER OR DESIGNEE.
5. PEDESTRIAN HYBRID BEACON DISPLAYS MAY BE USED AS PER PLAN.

APPROVAL:

DIRECTOR OF PUBLIC WORKS

TRAFFIC SIGNALS
SIGNAL POLE
WITH MAST ARM
(UP TO 45')

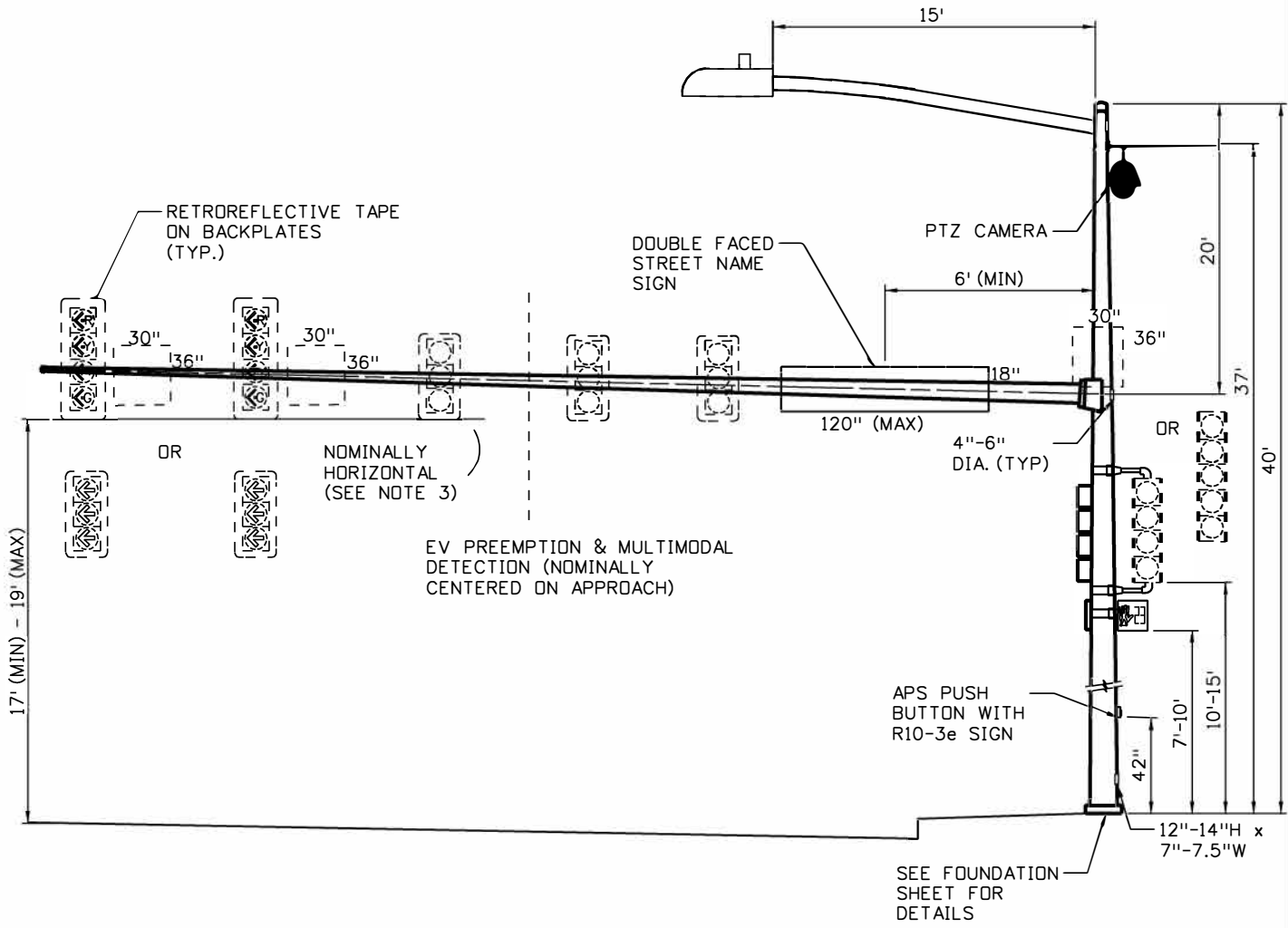


SD-24.1

REV #	DATE	DESCRIPTION


DATE:

NOT TO SCALE



NOTES:

1. CONDITION SHOWN INDICATES MAXIMUM LOADING FOR MASTARMS 50 FEET TO 60 FEET IN LENGTH. ACTUAL LENGTH MAY VARY BY LOCATION.
2. REFERENCE CURRENT CITY OF CENTENNIAL ROADWAY DESIGN AND CONSTRUCTION STANDARDS, SECTION 4.7, FOR SPECIFICS OF REQUIRED SIGNING AND SIGNALS TO DETERMINE THE LOADING SURFACE AREAS AND WEIGHTS NECESSARY FOR POLE AND MAST ARM DESIGN. ALL OTHER REQUIREMENTS SHALL BE SHOWN IN THESE STANDARD DRAWINGS. DESIGN SHALL BE PER THE CURRENT EDITION OF AASHTO LRFD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS, INCLUDING ALL INTERIMS AND ERRATA.
3. THE BOTTOM OF ALL MAST ARM-MOUNTED SIGNAL HEADS SHALL BE ON THE SAME HORIZONTAL PLANE AND HAVE A MINIMUM CLEARANCE OF 17 FEET AND MAXIMUM OF 19 FEET ABOVE THE PAVEMENT SURFACE AT THE CENTER OF THE ROADWAY, UNLESS OTHERWISE SPECIFIED.
4. POLE COLOR TO BE AS SPECIFIED ON DESIGN PLANS OR AS OTHERWISE DIRECTED BY THE CITY TRAFFIC ENGINEER OR DESIGNEE.
5. PEDESTRIAN HYBRID BEACON DISPLAYS MAY BE USED AS PER PLAN.


APPROVAL: 

DIRECTOR OF PUBLIC WORKS

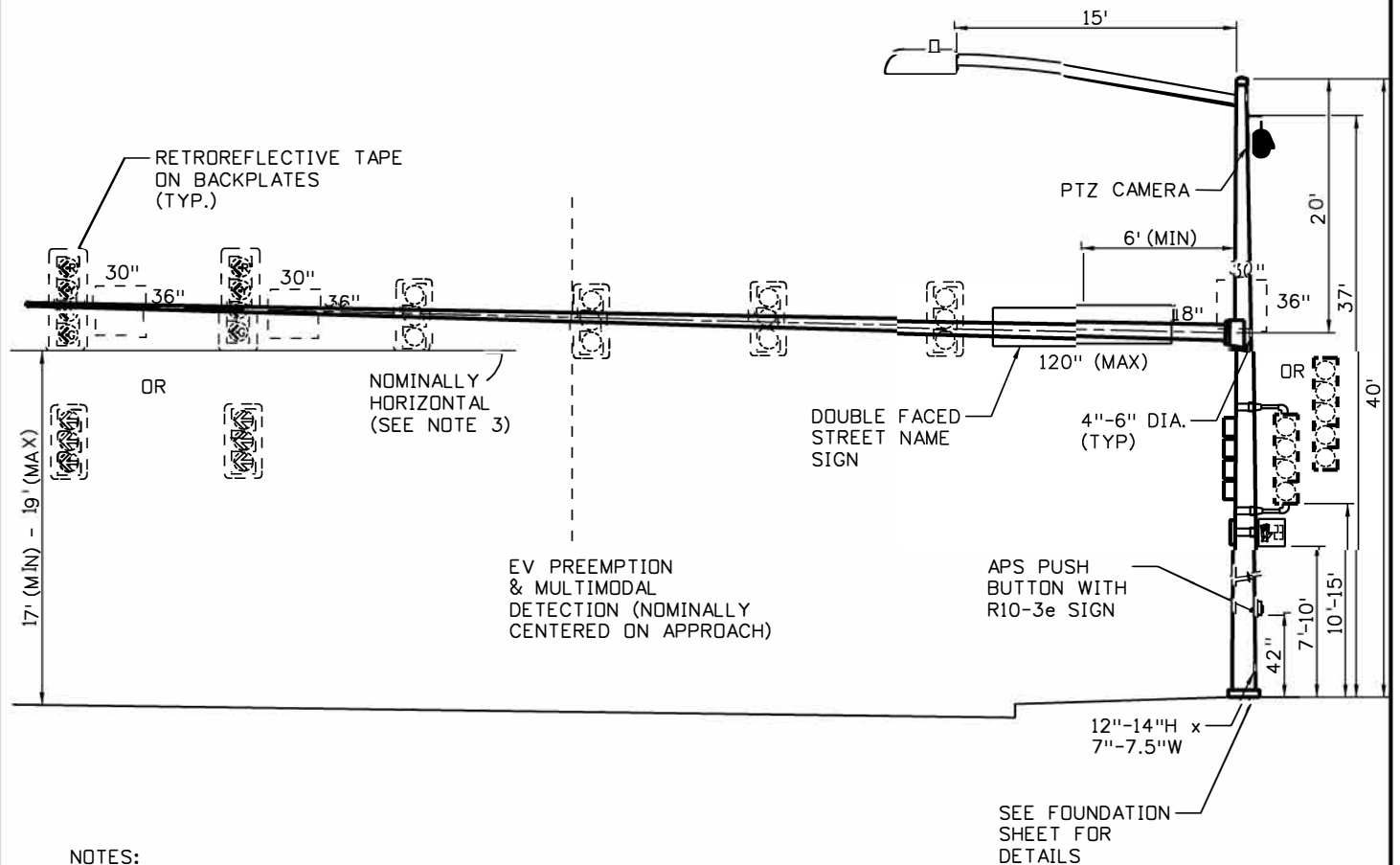
REV #	DATE	DESCRIPTION

**TRAFFIC SIGNALS
SIGNAL POLE
WITH MAST ARM
(50'-60')**

DATE: _____ NOT TO SCALE



SD-24.2



NOTES:

1. CONDITION SHOWN INDICATES MAXIMUM LOADING FOR MASTARMS 65 FEET TO 75 FEET IN LENGTH. ACTUAL LENGTH MAY VARY BY LOCATION.
2. REFERENCE CURRENT CITY OF CENTENNIAL ROADWAY DESIGN AND CONSTRUCTION STANDARDS, SECTION 4.7, FOR SPECIFICS OF REQUIRED SIGNING AND SIGNALS TO DETERMINE THE LOADING SURFACE AREAS AND WEIGHTS NECESSARY FOR POLE AND MAST ARM DESIGN. ALL OTHER REQUIREMENTS SHALL BE SHOWN IN THESE STANDARD DRAWINGS. DESIGN SHALL BE PER THE CURRENT EDITION OF AASHTO LRFD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS, INCLUDING ALL INTERIMS AND ERRATA.
3. THE BOTTOM OF ALL MAST ARM-MOUNTED SIGNAL HEADS SHALL BE ON THE SAME HORIZONTAL PLANE AND HAVE A MINIMUM CLEARANCE OF 17 FEET AND MAXIMUM OF 19 FEET ABOVE THE PAVEMENT SURFACE AT THE CENTER OF THE ROADWAY, UNLESS OTHERWISE SPECIFIED.
4. POLE COLOR TO BE SPECIFIED ON DESIGN PLANS OR AS OTHERWISE DIRECTED BY THE CITY TRAFFIC ENGINEER OR DESIGNEE.
5. PEDESTRIAN HYBRID BEACON DISPLAYS MAY BE USED AS PER PLAN.

APPROVAL: 

DIRECTOR OF PUBLIC WORKS

REV #	DATE	DESCRIPTION

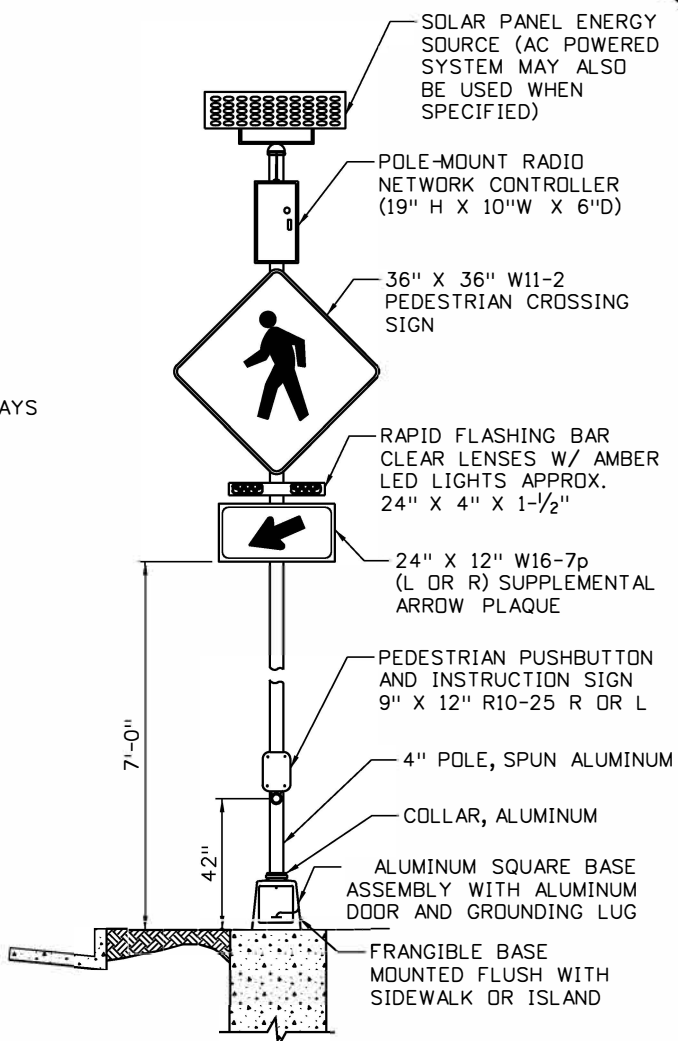
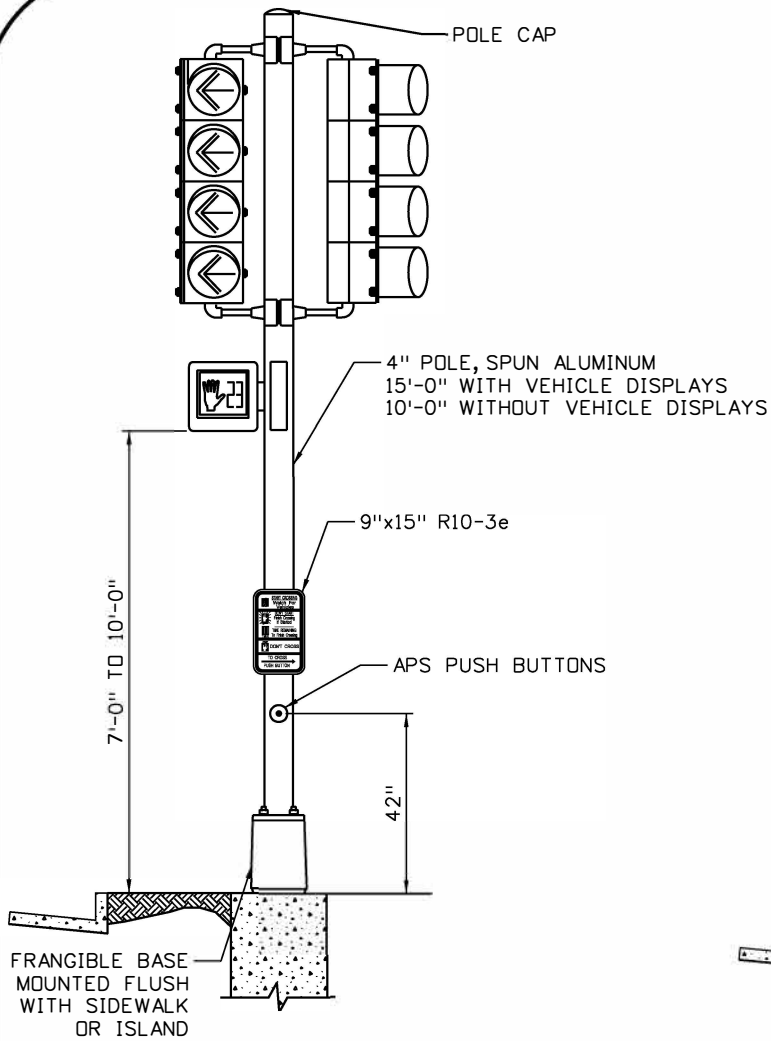
**TRAFFIC SIGNALS
SIGNAL POLE
WITH MAST ARM
(65'-75')**

DATE:

NOT TO SCALE

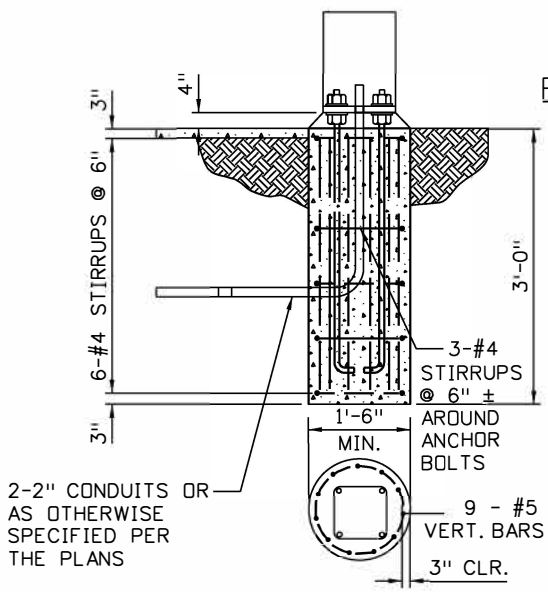


SD-24.3



RECTANGULAR RAPID FLASHING BEACON (RRFB) PEDESTAL POLE

TRAFFIC SIGNAL PEDESTAL POLE



PEDESTAL FOOTING DETAIL

NOTE:
1. SEE SD-24.7 FOR CONSTRUCTION NOTES.

APPROVAL:

DIRECTOR OF PUBLIC WORKS

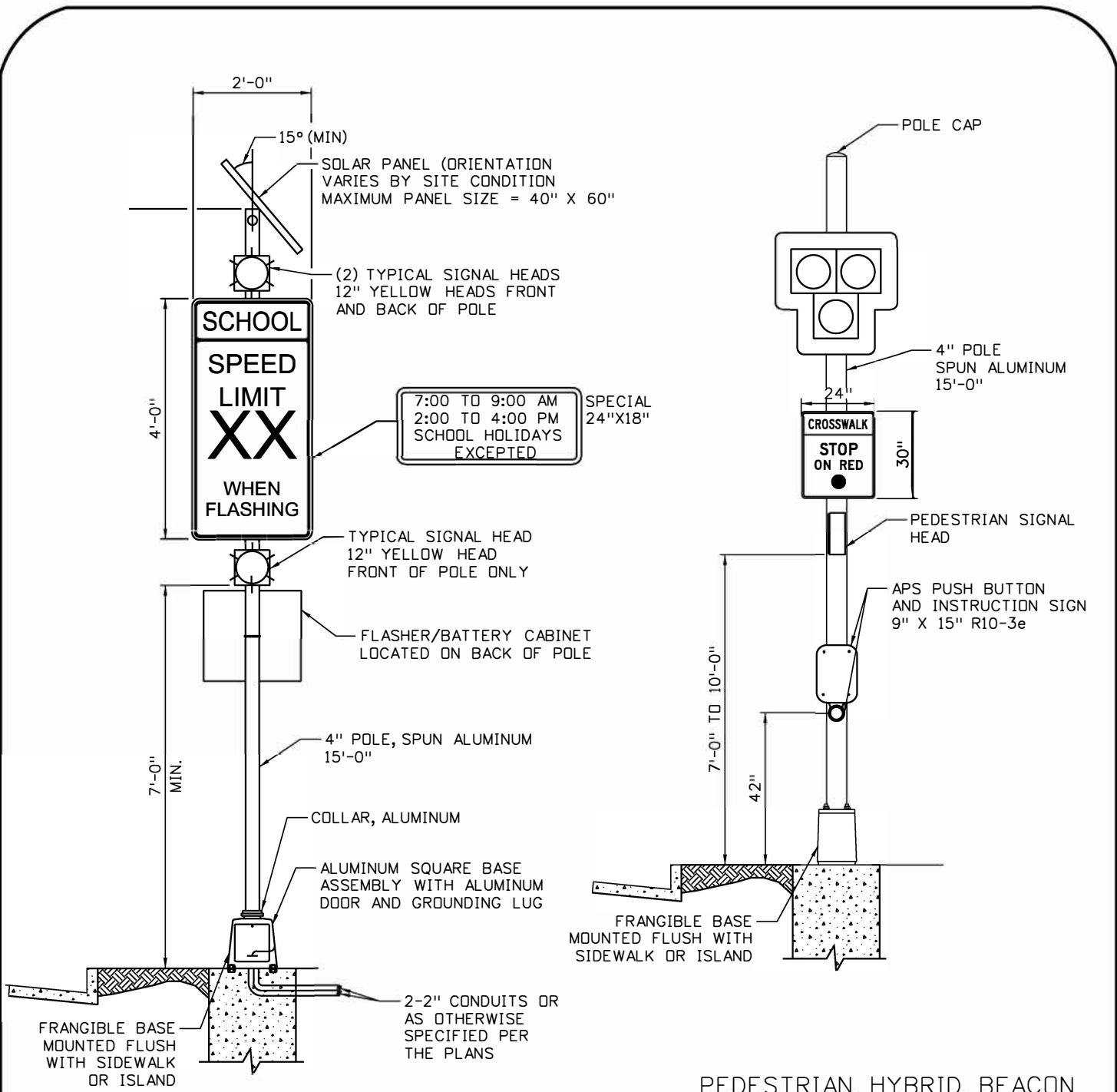
REV #	DATE	DESCRIPTION

TRAFFIC SIGNALS PEDESTAL POLES
(1 of 2)

DATE: NOT TO SCALE



SD-24.4



SCHOOL FLASHING BEACON
PEDESTAL POLE

PEDESTRIAN HYBRID BEACON
PEDESTAL POLE

NOTE:

1. SEE SD-24.7 FOR CONSTRUCTION NOTES.

APPROVAL:

DIRECTOR OF PUBLIC WORKS

TRAFFIC SIGNALS
PEDESTAL POLES
(2 of 2)

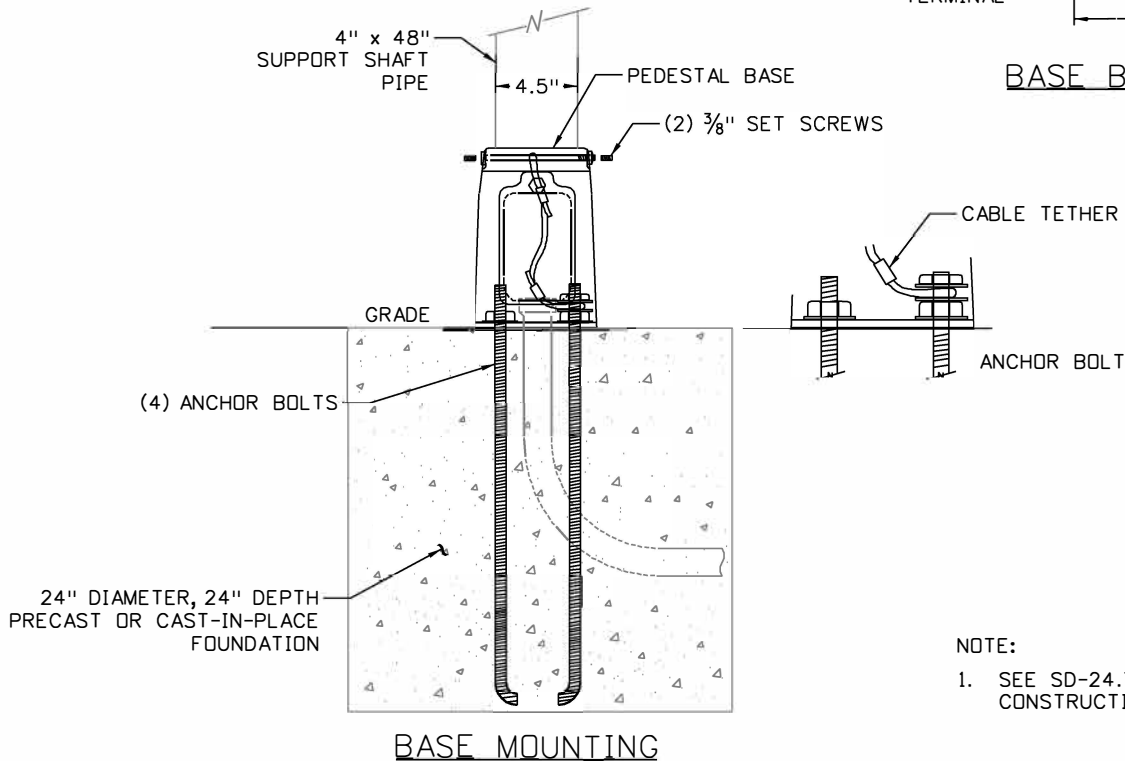
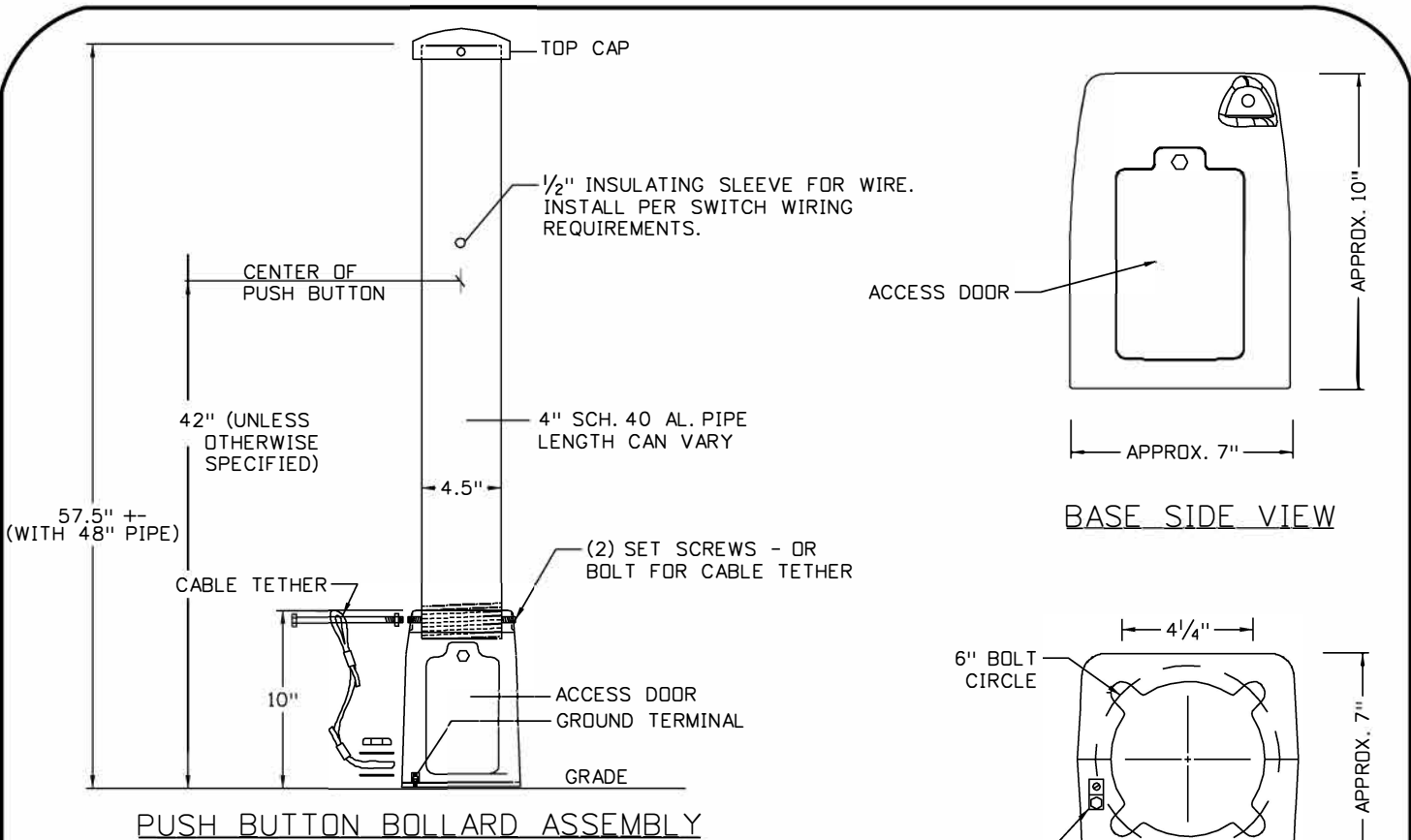


SD-24.5


REV #	DATE	DESCRIPTION

DATE:

NOT TO SCALE



NOTE:
1. SEE SD-24.7 FOR CONSTRUCTION NOTES.

APPROVAL: 
DIRECTOR OF PUBLIC WORKS

TRAFFIC SIGNALS
PEDESTRIAN PUSH
BUTTON
BOLLARD



SD-24.6

REV #	DATE	DESCRIPTION

DATE: NOT TO SCALE

HEAVY HEX NUTS AND FLAT WASHERS. PLUMBING OF POLES SHALL BE ACCOMPLISHED BY ADJUSTING NUTS. THREADS SHALL EXTEND A MINIMUM OF 3/4" ABOVE THE NUT AFTER THE TIGHTENING PROCESS HAS BEEN COMPLETED.

BASE PLATE OF POLE

PULL BOX

FINISHED GRADE

REFERENCE TRAFFIC SIGNAL BONDING AND GROUNDING STANDARDS

2-2" AND 2-3" PVC CONDUITS

AT 36" DIA. CAISSONS:
11-#9 VERTICAL BARS
AT 42" DIA. CAISSONS:
14-#9 VERTICAL BARS

DIAMETER VARIES
(SEE TABLE)

SIGNAL POLE

NON-SHRINK GROUT TO BE PLACED BETWEEN BASE PLATE AND TOP OF FOUNDATION AS DIRECTED BY ENGINEER

2" CLR.

4"

#4 TIES @ 7" FOR 36" CAISSON
#4 TIES @ 9" FOR 42" CAISSON

LENGTH VARIES 12'-0" TO 16'-0"
(SEE SIGNAL POLE FOUNDATION SCHEDULE)

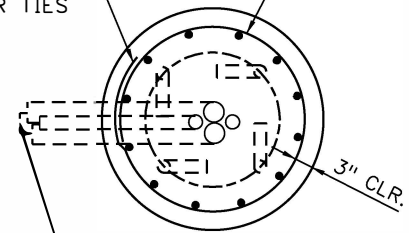
4"

SIGNAL POLE FOUNDATION SCHEDULE

MAST ARM LENGTH (FT)	MAX BOLT CIRCLE DIA. (IN)	CAISSON DIA. (IN)	CAISSON LENGTH (FT)
UP TO 45'	22"	36"	12'-0"
50' TO 75'	24"	42"	16'-0"

12" MIN LAP FOR TIES

#4 TIE



PVC CONDUIT TO PULL BOX

TRAFFIC SIGNAL FOUNDATION TOP VIEW

TRAFFIC SIGNAL FOUNDATION ELEVATION

CONSTRUCTION NOTES

- FOUNDATIONS SHOULD BE POURED 10 TO 20 DAYS PRIOR TO POLE INSTALLATION.
- CAISSONS SHALL BE PLACED AGAINST UNDISTURBED EARTH.
- CONCRETE MIX DESIGN SHALL CONFORM TO CDDT CLASS BZ WITH A 28-DAY COMPRESSIVE STRENGTH OF F'C=4,000PSI. CONCRETE SHALL BE VIBRATED.
- A MINIMUM OF 3" CONCRETE COVER SHALL BE MAINTAINED AROUND THE STEEL CAGE. A MAXIMUM OF 4" OF COVER IS ALLOWED AT THE TOP OF THE CAGE. ALL REINFORCING SHALL BE GRADE 60.
- LOOSE DIRT SHALL BE REMOVED FROM THE BOTTOM OF THE HOLE PRIOR TO POURING CONCRETE.
- NO COLD JOINTS ARE ALLOWED IN CAISSONS. POUR CAISSONS CONTINUOUSLY TO FINISH GRADE.
- POLE FOUNDATION MAY ALTER IN DEPTH AND/OR DIAMETER, AS APPROVED BY THE CITY'S TRAFFIC ENGINEER. THE CITY SHALL APPROVE MODIFICATIONS NEEDED FOR THE CAISSONS DUE TO UNFORESEEN CONDITIONS.
- BASE DIMENSIONS MAY VARY FROM THE STANDARD, BUT ONLY UPON APPROVAL BY THE CITY TRAFFIC ENGINEER.
- THE BOLT CIRCLE DIAMETERS SHOWN REPRESENT THE MAXIMUM ANTICIPATED DIAMETERS REQUIRED AT THE SIGNAL POLE BASES FOR THE CORRESPONDING MAST ARM SPAN.
- FOUNDATION DESIGN REQUIRES THAT THE SHAFTS BE FOUNDED IN SOIL WITH NO LESS THAN THE FOLLOWING MINIMUM PARAMETERS:
SOIL DENSITY $\gamma = 120$ LBS./CU. FT.
SOIL COHESION = 1500 LBS./SQ. FT. FOR MEDIUM STIFF COHESIVE SOIL
SOIL ϕ ANGLE = 32° FOR MEDIUM DENSE COHESIONLESS SOIL

APPROVAL

DIRECTOR OF PUBLIC WORKS

TRAFFIC SIGNALS
SIGNAL POLE
FOUNDATION



SD-24.7

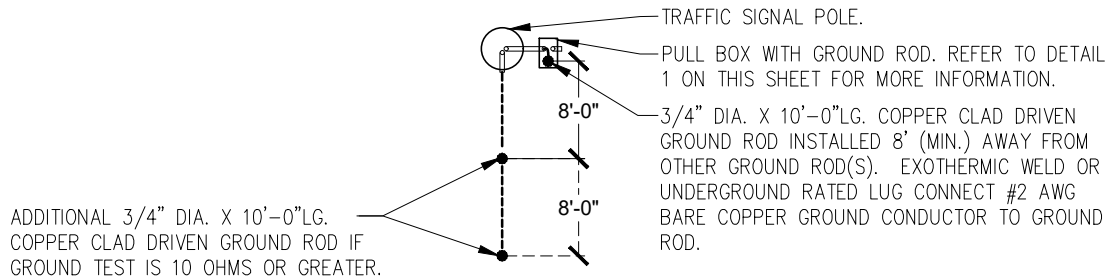
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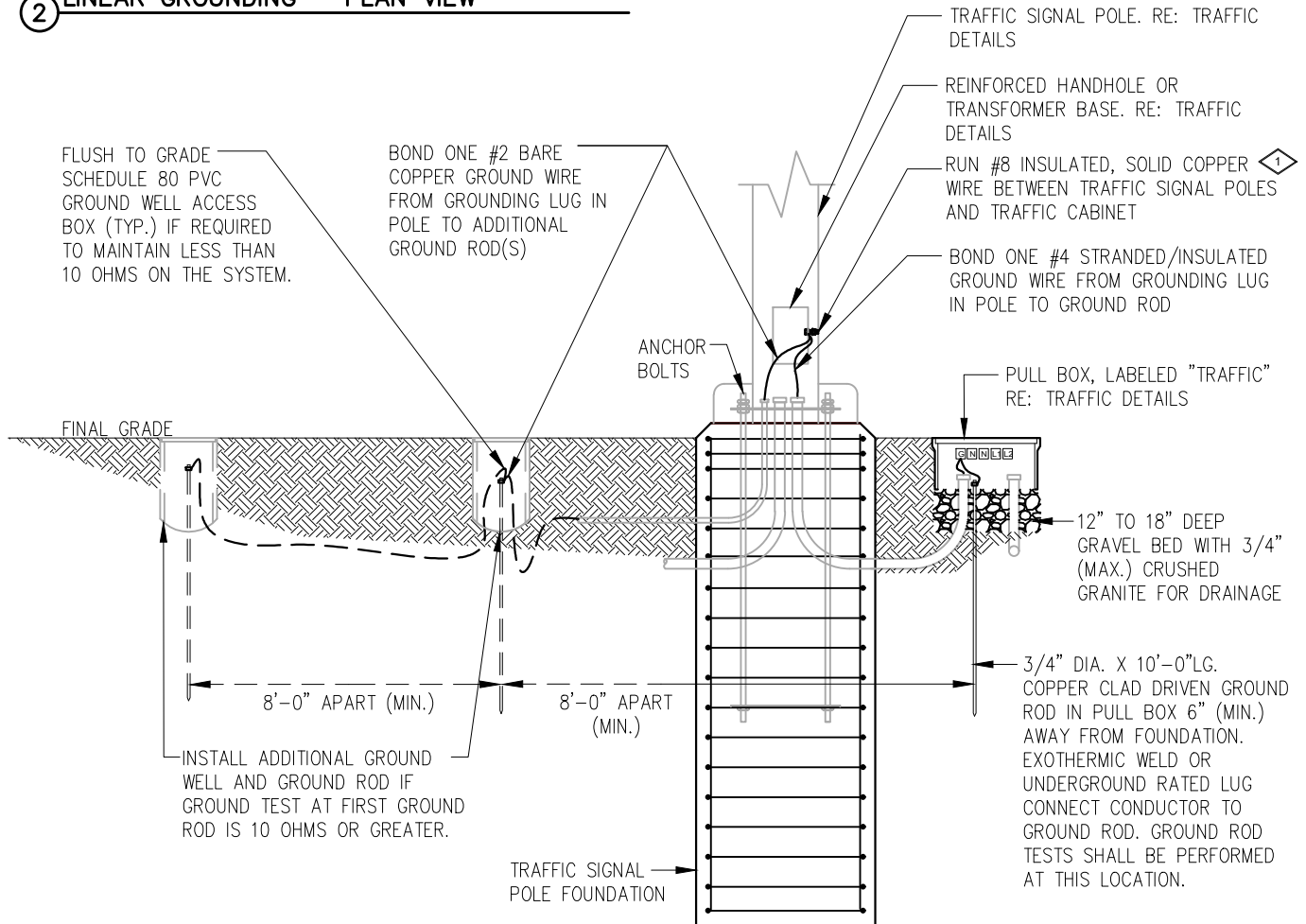
NOT TO SCALE

TRAFFIC SIGNAL ELECTRICAL DETAIL NOTES

1. CONTRACTOR SHALL TEST GROUND RESISTANCE USING 3-POINT (FALL-OFF-POTENTIAL) METHOD, AND INSTALL ADDITIONAL GROUND RODS AS NECESSARY. GROUND RESISTANCE SHALL BE LESS THAN 10 OHMS.
2. INFORMATION IS SHOWN FOR GROUNDING PURPOSES ONLY. REFER TO THE CITY OF CENTENNIAL TRAFFIC STANDARDS FOR ALL STRUCTURAL, ELECTRICAL, AND POLE REQUIREMENTS.
3. ANCHOR BOLTS DIMENSIONS AND SPACING SHALL BE PER THE MANUFACTURER'S DRAWINGS.



2 LINEAR GROUNDING - PLAN VIEW



1 TRAFFIC SIGNAL FOUNDATION

FLAG NOTE:

- ① #8 INSULATED, SOLID COPPER GROUNDING WIRE IS SIZED FOR A 50-AMP BREAKER WITH #6 CONDUCTORS. IF A LARGER BREAKER IS UTILIZED OR LARGER ELECTRICAL CONDUCTOR IS INSTALLED, THEN THE GROUND CONDUCTOR SHALL BE INCREASED PER THE NATIONAL ELECTRICAL CODE (NEC).

APPROVAL:

DIRECTOR OF PUBLIC WORKS

TRAFFIC SIGNAL POLE
GROUNDING



STANDARD DETAIL NO.

SD-24.8

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DATE: OCT. 2022

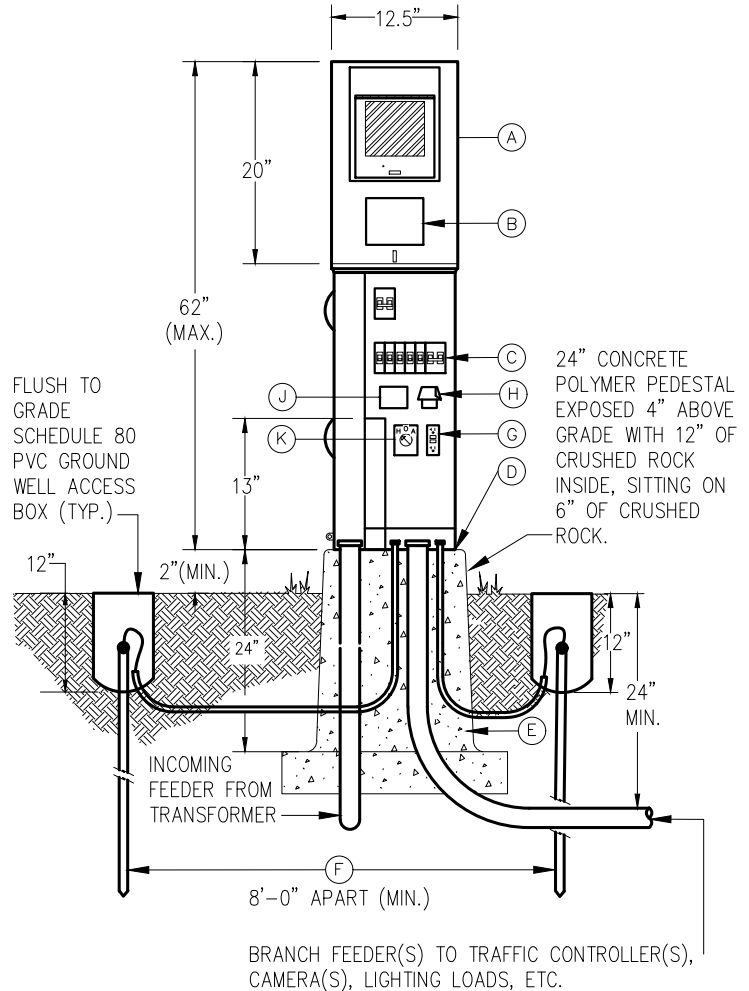
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METER POWER PEDESTAL COMPONENT LIST

- (A) STAINLESS STEEL, 200A, 120/240V-1PH-3W, NEMA 3R COMBINATION, SERVICE ENTRANCE RATED, COLD SEQUENCE, METER/POWER PEDESTAL WITH LEVER BYPASS, LOAD CENTER, MCB AND FUSED TEE-HANDLE PULL OUT DISCONNECT AHEAD OF METER TO LOCAL UTILITY SPECIFICATIONS. SEE PANEL SCHEDULE FOR SIZE OF MAIN AND NUMBER AND SIZE OF BRANCH BREAKERS REQUIRED. SET ENCLOSURE ON CONCRETE PAD PLUMB AND LEVEL.
- (B) T-HANDLE, PULL-OUT FUSE TYPE METER, DISCONNECT FLUSH MOUNTED INTO THE BACK SIDE OF THE ENCLOSURE FOR METER PROTECTION PER UTILITY SPECIFICATION, COLD SEQUENCE METER WITH WEATHERPROOF COVER AND TAB FOR SEAL. THIS ITEM MAY BE OMITTED BY UTILITY COMPANY SPECIFICATIONS HOT SEQUENCE REQUIREMENTS.
- (C) SERVICE ENTRANCE PANEL BREAKER SECTION, FOR CUSTOMER LOADS. SEE PANEL SCHEDULES FOR SIZE OF BREAKERS AND NUMBER OF POLES REQUIRED.
- (D) PROVIDE RECESSED CONCRETE PAD MOUNTING PLATE WITH L-BOLTS TO MATCH THE ENCLOSURE BASE BOLT PATTERN.
- (E) POLYMER CONCRETE PEDESTAL FOUNDATION WITH FIBERGLASS REINFORCEMENT. THE PAD SHALL BE CONTINUOUS CLOTH REINFORCEMENT ON THE INSIDE AND OUTSIDE PERIMETER. WEIGHT OF THE FOUNDATIONS SHALL BE STENCILED ON THE SIDEWALL OF THE FOUNDATION. OR PROVIDE 4500 PSI, RE-BAR REINFORCED, CONCRETE WITH A DIRECT EARTH BURY DEPTH OF 18 INCHES (MINIMUM), 2 INCHES OVERLAP OF THE ENCLOSURE ON ALL SIDES FRONT AND BACK AND 2 INCHES EXPOSURE ABOVE GRADE. PROVIDE 3/4 INCH CHAMFERED EDGES. PROVIDE STRUCTURAL ENGINEERING STAMPED DRAWING FOR PAD.
- (F) 3/4 INCH x 10 FEET LONG, COPPER-CLAD DRIVEN GROUND RODS. EXOTHERMIC WELD OR UNDERGROUND LUG CONNECT CONDUCTOR TO ROD. TWO (2) GROUND RODS REQUIRED. GROUND ROD TO BE LOCATED IN SCHEDULE 80 PVC GROUND WELL ACCESS WITH BOLT DOWN COVER AND "GROUND" CAST INTO LID.

OPTIONAL:

- (G) • BUILT-IN GFCI NEMA 5-20R, DUPLEX, GFCI MAINTENANCE RECEPTACLE FLUSH MOUNTED IN PANEL DEAD-FRONT.
- (H) • PHOTOCELL - NEMA 3R 120V PHOTOELECTRIC CONTROL WITH 3-PRONG TWIST-LOCK RECEPTACLE BASE. THE PHOTOCELL SHALL BE MOUNTED INSIDE THE ENCLOSURE WITH A GLASS LENS COVERED HOLE IN THE EXTERIOR OF THE ENCLOSURE TO ALLOW THE PHOTOCELL TO RECEIVE DAYLIGHT.
- (J) • LIGHTING CONTACTOR - CONTROLLED BY OPTIONAL PHOTOCELL ITEM 'H' ABOVE WHEN MORE THAN ONE CIRCUIT IS TO BE CONTROLLED BY THE PHOTOCELL.
- (K) • HAND-OFF-AUTO SWITCH WHEN ITEMS 'H' AND 'J' ABOVE ARE USED. PROVIDE THIS HOA SWITCH WITH THE PHOTOCELL CONTROL WIRED IN THE AUTO POSITION.



1 METER POWER PEDESTAL DETAIL

NOTES:

1. ALL COMPONENTS LISTED SHALL BE INCLUDED IN THE METER POWER PEDESTAL PAY ITEM. ALL ELECTRICAL COMPONENTS SHALL BE UL LISTED PER THE APPROPRIATE UL REQUIREMENTS. INCLUDING BUT NOT LIMITED TO 508A INDUSTRIAL CONTROL CENTER.
2. FUSED TEE-HANDLE PULL OUT DISCONNECT AHEAD OF METER IS A REQUIREMENT FOR COLD SEQUENCE METERING UTILITY COMPANIES (SUCH AS XCEL ENERGY) AND IS NOT REQUIRED ON METER POWER PEDESTAL FOR UTILITY COMPANIES THAT REQUIRE HOT SEQUENCE METERING.

APPROVAL:

DIRECTOR OF PUBLIC WORKS

METER POWER PEDESTAL



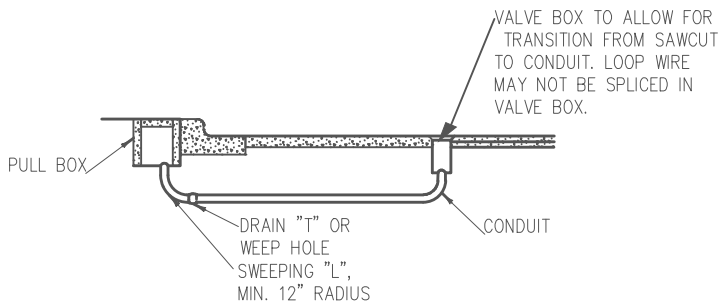
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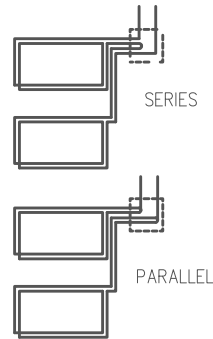
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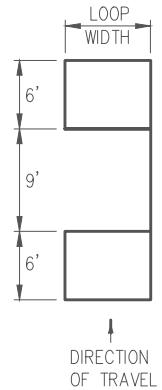


LOOP DETECTOR LE-D-IN

WIRE CONFIGURATION

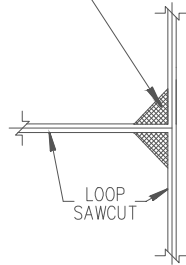


L-YOUT



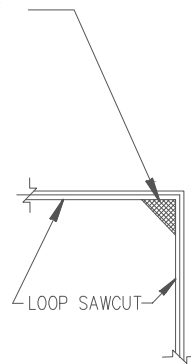
ST-ND-RD LOOP

CHISEL OUT 1/8" TO 1/2" CORNER REMOVE PAVEMENT TO SAWCUT DEPTH AND FILL WITH SEALANT (TYP.)



T - S-WCUT DET-IL

CHISEL OUT 1/8" TO 1/2" CORNER REMOVE PAVEMENT TO SAWCUT DEPTH AND FILL WITH SEALANT



CORNER S-WCUT DET-IL

LOOP INST-LL-TION PROCEDURE

1. CUT SLOTS IN PAVEMENT TO 3 IN. MINIMUM DEPTH.
2. CLEAN AND DRY SLOTS WITH OIL-FREE COMPRESSED AIR.
3. ONE CONTINUOUS LENGTH OF 14/GC, RHW, USE, XLPE, RHWM OR THWN WIRE SHALL BE USED FOR EACH LOOP FROM PULL BOX AROUND THE LOOP WITH THE NUMBER OF TURNS SPECIFIED AND BACK TO THE PULL BOX. LOOP WIRE SHALL BE DUCT TYPE. LOOP WIRE MAY NOT BE SPLICED.
4. USE A BLUNT, NON-METALLIC INSTRUMENT TO PUSH WIRE INTO SLOT. DO NOT COIL LEADS.
5. CONNECT DETECTOR AND TEST LOOP.
6. SEAL SLOTS AS SPECIFIED.

APPROVAL:

DIRECTOR OF PUBLIC WORKS

TRAFFIC LOOP (1)



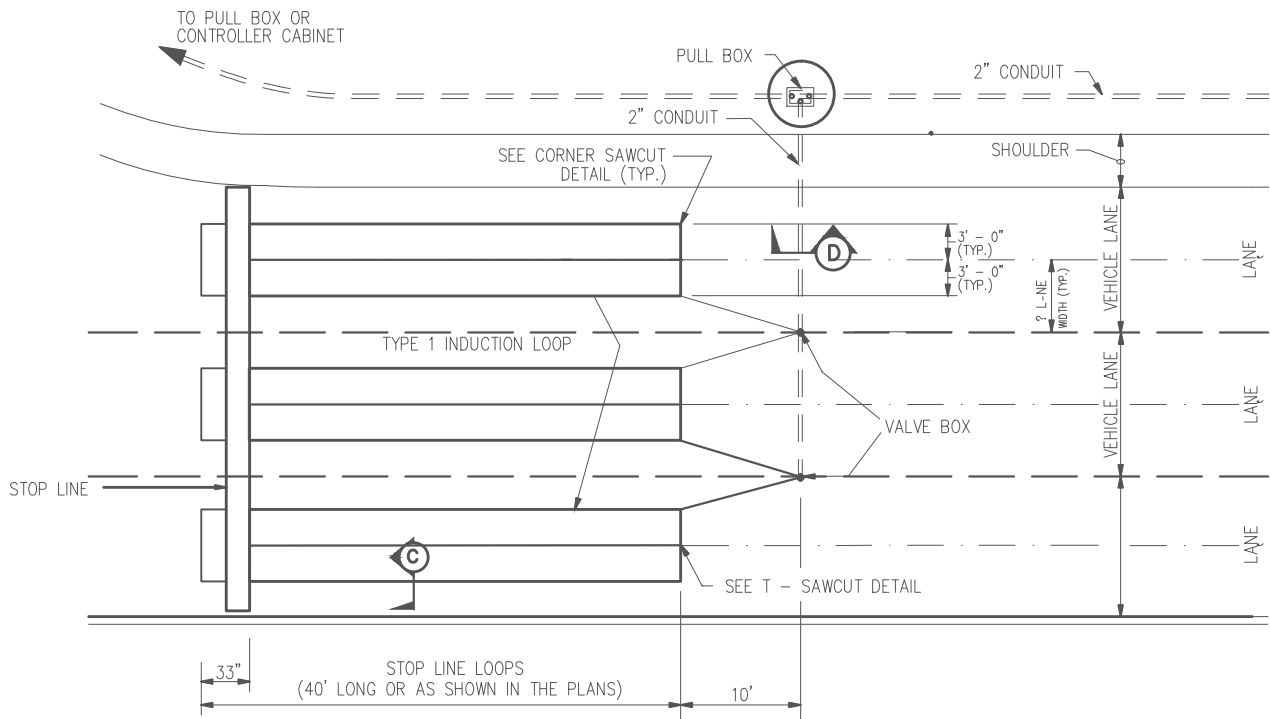
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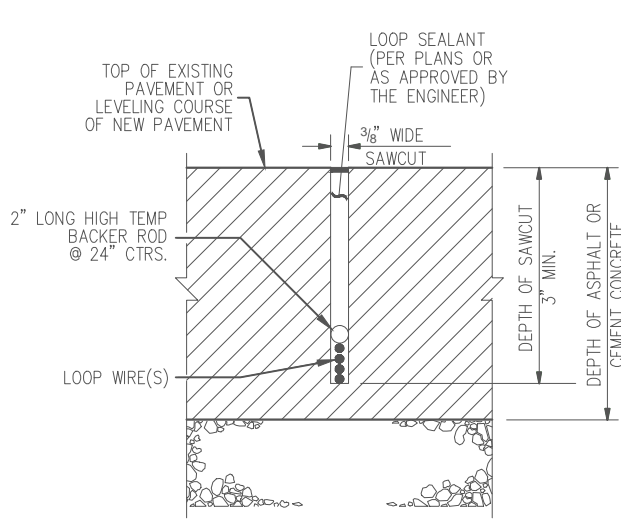
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DATE: 07/16

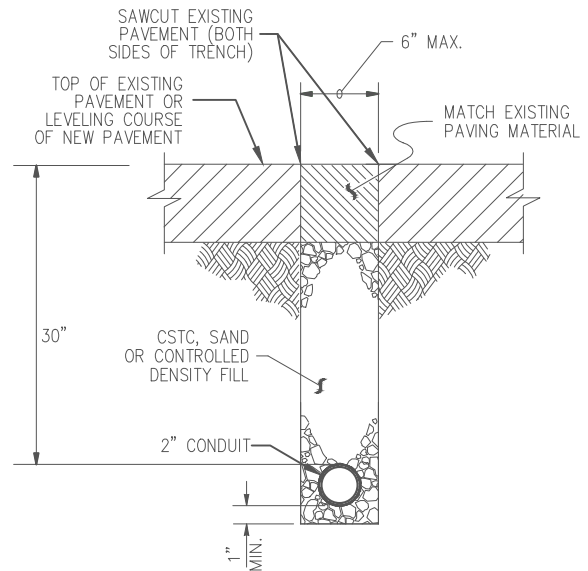
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STOP LINE LOOPS – PL-N VIEW



SECTION C-C



SECTION D-D

APPROVAL: 

DIRECTOR OF PUBLIC WORKS

TRAFFIC LOOP (2)



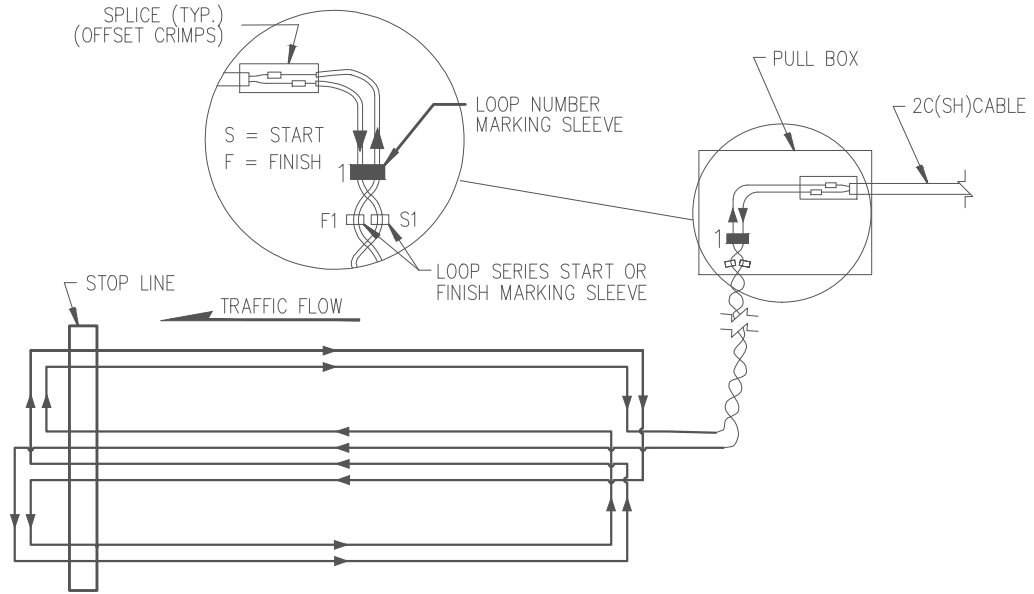
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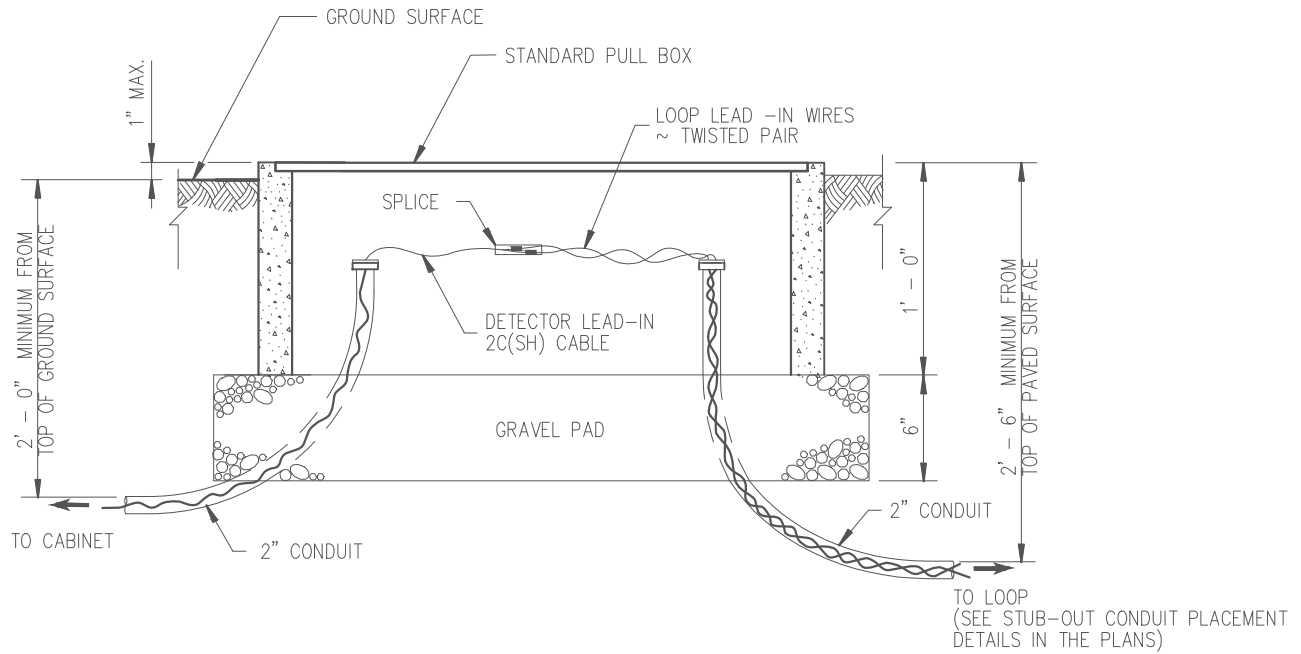
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LOOP WIRING DI-GR-M



PULL BOX PL-CEMENT DET-IL

APPROVAL: 
 DIRECTOR OF PUBLIC WORKS

**TRAFFIC LOOP (3)
 AND PULL BOXES**



STANDARD DETAIL NO.

SD-27

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DATE: 07/16

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