

RESOLUTION NO. 2025-004

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF PALM DESERT, CALIFORNIA, TO REPEAL AND REPLACE RESOLUTION NO. 2024-077 WHICH ADOPTED THE CITY OF PALM DESERT STANDARD DETAILS AND DESIGN GUIDELINES AND MAKING A FINDING OF EXEMPTION UNDER CEQA

WHEREAS, the City of Palm Desert City Council adopted Ordinance 125 in 1976 to help the development community install roadway improvements that were consistent within its City boundaries; and

WHEREAS, the City Council of the City of Palm Desert, California adopted Resolution 2024-077 on October 10, 2024, adopting the City of Palm Desert Standard Details and Design Guidelines; and

WHEREAS, upon further review, inconsistencies in some of the standard details have been identified that required clarification for accurate implementation; and

WHEREAS, the standards are not intended to be all inclusive and shall be used as a design guide, thereby allowing exceptions to these standards to be considered by the City Engineer on a case by case basis when deemed appropriate for a specific application; and

WHEREAS, City staff will update this manual periodically as needed subject to review by the Engineering, Development Services, and Public Works Departments to ensure standards and guidelines remain current with industry standards, address best practices, and consider improvements recommended by the development community and other stakeholders; and

WHEREAS, the City Council of the City of Palm Desert, California, did on its regular meeting of February 13, 2025, consider the request by the City Engineer of the City of Palm Desert to recommend approval of updated City of Palm Desert Standard Details and Design Guidelines; and

WHEREAS, The City, in its capacity as the Lead Agency for this project, finds that the project is exempt from CEQA since the proposed Standard Guidelines do not alter the physical environment and qualify for a CEQA exemption under Guidelines Section 15061(b)(3) since there is no substantial evidence that there is any possibility that the approval of these Standards will have a significant effect on the environment.

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Palm Desert, California, as follows:

SECTION 1. Recitals. The City Council finds and determines that the recitals set forth above are true and correct, that the recitals are incorporated herein by this reference, and that the recitals constitute the City of Palm Desert City Council's findings for recommending approval of the revised City of Palm Desert Standard Details and Design Guidelines.

SECTION 2. Findings. The City Council finds that the facts and reasons, which are outlined in the staff report, sufficient to recommend approval of said request.

SECTION 3. CEQA. The City, in its capacity as the Lead Agency for this project, finds that the revised project is exempt from CEQA since the proposed Standard Guidelines do not alter the physical environment and qualify for a CEQA exemption under Guidelines Section 15061(b)(3) since there is no substantial evidence that there is any possibility that the approval of these Standards will have a significant effect on the environment.

SECTION 4. Recommendation. The City Council adopt the revised City of Palm Desert Standard Details and Design Guidelines, attached hereto as Exhibit A. and incorporated herein by reference and repeal Resolution Number 2024-077.

ADOPTED ON FEBRUARY 13, 2025 _

Signed by:



DC37D0D20CC44D4...

JAN C. HARNIK
MAYOR

ATTEST:

Signed by:



8063A189723D437...

ANTHONY J. MEJIA
CITY CLERK

I, Anthony J. Mejia, City Clerk of the City of Palm Desert, hereby certify that Resolution No. 2025-004 is a full, true, and correct copy, and was duly adopted at a regular meeting of the City Council of the City of Palm Desert on February 13, 2025, by the following vote:

AYES: NESTANDE, PRADETTO, QUINTANILLA, AND TRUBEE
NOES: NONE
ABSENT: HARNIK
ABSTAIN: NONE
RECUSED: NONE

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the official seal of the City of Palm Desert, California, on 2/18/2025.

Signed by:



8063A189723D437...

ANTHONY J. MEJIA
CITY CLERK

EXHIBIT A
City of Palm Desert Standard Details and Design Guidelines

See following pages

CITY OF PALM DESERT STANDARD DETAILS AND DESIGN GUIDELINES

INDEX – PAGE 1 OF 2

GENERAL

- 100 ACRONYMS AND ABBREVIATIONS
- 101 DRAFTING STANDARDS AND TOPOGRAPHY SYMBOLS

STREET STANDARDS

Per General Plan or Specific Plan

SIDEWALKS, DRIVEWAYS, & RAMPS

- 300 SIDEWALK
- 301 MEANDERING SIDEWALK
- 302 DG MULTIPURPOSE TRAIL
- 303 RESIDENTIAL DRIVEWAY APPROACH (FOR RIGHT-OF-WAY WIDTH BEHIND CURB OF 10' OR MORE)
- 304 RESIDENTIAL DRIVEWAY APPROACH (FOR CONFINED RIGHT-OF-WAY)
- 305 COMMERCIAL DRIVEWAY
- 306 SINGLE CURB RAMP
- 307 DUAL CURB RAMP

CURB & GUTTER

- 400 CURB ONLY
- 401 WEDGE CURB
- 402 ASPHALT CONCRETE BERM
- 403 CURB AND GUTTER
- 404 CROSS GUTTER
- 405 VALLEY GUTTER

DRAINAGE

- 500 UNDER SIDEWALK DRAIN
- 501 UNDER SIDEWALK DRAIN (CAST IN PLACE)
- 502 CURB DRAIN CASE A & B
- 503 CURB SUPPORT DETAIL
- 504 GUTTER DEPRESSION FOR CURB OPENING CATCH BASINS
- 505 MANHOLE FRAME AND COVER (LOCAL & COLLECTOR STREETS)
- 506 MANHOLE FRAME AND COVER (ARTERIAL & SECONDARY STREETS)
- 507 STANDARD DRYWELL DETAIL
- 508 VALVE OPERATOR WELL INSTALLATION

MEDIANS

- 600 TYPICAL MEDIAN CONSTRUCTION
- 601 RESTRICTED LEFT-TURN MEDIAN OPENING
- 602 MEDIAN TAPER
- 603 MEDIAN FLARE

MONUMENTS

- 700 TYPE A, B, & C MONUMENTS
- 701 TYPE "B" MONUMENT
- 702 TIE-OUT STANDARDS
- 703 STREET CENTERLINE MONUMENT

GEOMETRICS

- 800 CUL-DE-SAC (SYMMETRICAL)
- 801 CUL-DE-SAC (ASYMMETRICAL)
- 802 KNUCKLE
- 803 UTILITY TRENCH PAVEMENT REPLACEMENT

TRAFFIC

- 900 TRAFFIC LOOP DETECTOR
- 901 TYPE P CONTROLLER ASSEMBLY DETAIL
- 902 TYPE R CONTROLLER ASSEMBLY DETAIL
- 903 INTERCONNECT PULL BOX DETAILS

CITY OF PALM DESERT STANDARD DETAILS AND DESIGN GUIDELINES

INDEX – PAGE 2 OF 2

TRAFFIC (CONTINUED)

904	FO-SIC ISOLATION DETAIL
905	IISNS MOUNTING DETAIL
906	INTERNALLY ILLUMINATED STREET NAME SIGNS
907	STREET NAME SIGNS
908	STREET NAME SIGN INSTALLATION
909	TYPICAL SIGN POST
910	TYPICAL MEDIAN NOSE INSTALLATION
911	TYPICAL MEDIAN NOSE SIGN INSTALLATION (2-FT NOSE)
912	BICYCLE/GOLF CART LANE SIGNS AND PAVEMENT MARKINGS
913	GOLF CART SYMBOL FOR SIGNAGE
914	GOLF CART LANE SIGN
915	GOLF CART ROUTE SIGN
916	BICYCLE/GOLF CART LANE COMBINATION SIGN
917	GOLF CART PAVEMENT LEGEND
918	BICYCLE DETECTOR PAVEMENT MARKING
919	BICYCLE PAVEMENT MARKING
920	BICYCLE/GOLF CART LANE CLOSURE

LANDSCAPE & IRRIGATION

1000	TREE INSTALLATION
1001	SHRUB INSTALLATION
1002	PALM TREE INSTALLATION
1003	ESPALIER DETAIL
1004	BOULDER INSTALLATION
1005	MOUNDING DETAIL
1006	GROUTED COBBLESTONE MEDIAN DETAIL
1007	PARKWAY LANDSCAPE MOUNDING
1008	MEDIAN LANDSCAPE MOUNDING
1009	MEDIAN GRADING DETAIL
1010	BOULDER PLACEMENT (MEDIAN)
1011	PALM/TREE IRRIGATION DETAIL
1012	TRENCHING DETAIL
1013	CONTROLLER WITH ENCLOSURE
1014	AMBIENT LIGHT IRRIGATION CONTROLLER
1015	MASTER VALVE ASSEMBLY DETAIL
1016	BALL VALVE ASSEMBLY DETAIL
1017	END FLUSH VALVE DETAIL
1018	QUICK COUPLING VALVE
1019	ELECTRIC CONTROL VALVE (DRIP)
1020	ELECTRIC CONTROL VALVE (TURF)
1021	TYPICAL ELECTRIC CONTROL VALVE
1022	TYPICAL XERIGATION CONTROL VALVE
1023	ROTOR HEAD DETAIL
1024	TURF SPRAY DETAIL
1025	BUBBLER/EMITTER DETAIL
1026	DRIP EMITTER DETAIL
1027	DRIP ZONE DETAIL
1028	TREE EMITTER

ABBREVIATION**DEFINITION**

Ac.	Acre
AASHTO	American Association of State Highway and Transportation Officials
ASTM	American Society for Testing and Materials
Area	Area
A.C.	Asphalt Concrete
Ave.	Avenue
Avg.	Average
B.C.R.	Beginning of Curb Return
B.C.	Beginning of Curve
B.V.C.	Beginning of Vertical Curve
B.M.	Bench Mark
Blvd.	Boulevard
Calc.	Calculated
CA MUTCD	California Manual on Uniform Traffic Control Devices
C.I.	Cast Iron
C.B.	Catch Basin
C.T.B.	Cement Treated Base
C	Center
CL	Centerline
C-C	Center to Center
Cir.	Circle
C.O.	Cleanout
Conc.	Concrete
C.P.	Concrete Pipe
Cons.	Construct
Co.	County or Company
Cor.	Corner
C.M.P.	Corrugated Metal Pipe
C.M.P.A.	Corrugated Metal Pipe Arch
cu. ft.	Cubic Feet
C.Y.	Cubic Yards
Cb.	Curb
C&G	Curb & Gutter
C.F.	Curb Face
C.R.	Curb Return
D.G.	Decomposed Granite
DLC	Digital Loop Carrier
Dr.	Drive
Dwy	Driveway
E.	East
E'y	Easterly
E.P.	Edge of Existing Paving
Elev.	Elevation
E.C.R.	End of Curb Return
E.C.	End of Curve
E.V.C.	End of Vertical Curve
E.O.R.	Engineer of Record
Est.	Estimate
Exc.	Excavation
Exist	Existing
F.B.	Field Book
F.G.	Finished Grade
F.F.E.	Finish Floor Elevation
F.H.	Fire Hydrant
F.L.	Flow Line
Ft.	Foot
Fd.	Found
Guy	Guy Wire of Pole
GB	Grade Break

ABBREVIATION**DEFINITION**

HW	Head Wall
HDM	Highway Design Manual
HP	High Point
Hor.	Horizontal
H.G.L.	Hydraulic Grade Line
I.B.M.	Imported Base Material
IISNS	Internally Illuminated Street Name Sign
Inv.	Invert
I.E.	Invert Elevation
LS	Landscape
Lat.	Lateral
Lt.	Left
L	Length
L.F.	Linear Feet
LP	Low Point
L.C.	Lowercase
M.H.	Manhole
M.B.	Map Book
Max.	Maximum
M.O.C.	Middle of Curve
M.O.	Middle Ordinate
Min.	Minimum
Mon	Monument
N.T.S.	Not to Scale
N.	North
NE'y	Northeasterly
NW'y	Northwesterly
No.	Number
O.C.	On Center
Opp.	Opposite
OG	Original Ground
PE	Pad Elevation
P.V.C.	Plastic Pipe (Polyvinyl Chloride)
P.C.C.	Point of Compound Curvature or Portland Cement Concrete
P.C.V.C.	Point of Compound Vertical Curve
P.C.	Point of Curvature
P.I.G.	Point of Intersecting Gutters
P.I.	Point of Intersection
P.R.C.	Point of Reverse Curvature
P.R.V.C.	Point of Reverse Vertical Curve
P.T.	Point of Tangency
P.P.	Power Pole
P.B.	Pull Box
PL	Property Line
Qty	Quantity
R	Radius
RPM	Raised Pavement Marker
R.S.	Record of Survey
R.W. Hdr.	Redwood Header
R.E.	Registered Engineer
R.C.B.	Reinforced Concrete Box
R.C.P.	Reinforced Concrete Pipe
Rt.	Right
R/W	Right of Way
Riv.	Riverside
Rd.	Road
S.B.	San Bernardino
SBB&M	San Bernardino Base & Meridian
SS	Sanitary Sewer

N.T.S.

CITY OF PALM DESERT

APPROVED BY:

DEPARTMENT OF PUBLIC WORKS

STD NO.



Martin Alvarez
MARTIN ALVAREZ
PUBLIC WORKS DIRECTOR

Feb 19, 2025

DATE

ACRONYMS AND
ABBREVIATIONS

100

SHEET 1 OF 2

ABBREVIATION**DEFINITION**

Sec.	Section
SMH	Sewer Manhole
S/W	Sidewalk
SIC	Signal Innerconnect
S.	South
SE'ly	Southeasterly
SW'ly	Southwesterly
Spec.	Specifications
Spk.	Spike
Sq.	Square
SS	Stainless Steel
Stk.	Stake
Std.	Standard
Sta.	Station
S.D.	Storm Drain
St.	Street
T.O.E.	Thread One End
T.C.	Top of Curb
TF	Top of Footing
T.P.	Top of Pavement
TW	Top of Wall
Tr.	Tract
TS	Traffic Signal
Typ.	Typical
U.C.	Uppercase
Vert.	Vertical
V.C.	Vertical Curve
V.P.I.	Vertical Point of Intersection
V.C.P.	Vitrified Clay Pipe
W.	West
W'ly	Westerly
XING	Crossing
X-Walk	Crosswalk
2:1	2 Horizontal to 1 Vertical

N.T.S.

CITY OF PALM DESERT



APPROVED BY:

Martin Alvarez
 MARTIN ALVAREZ
 PUBLIC WORKS DIRECTOR

Feb 19, 2025

DATE

DEPARTMENT OF PUBLIC WORKS

STD NO.

ACRONYMS AND
 ABBREVIATIONS

100

SHEET 2 OF 2

TYPICAL LEGEND

EASEMENT ————
 ROLLED/WEDGE CURB ————
 CURB AND GUTTER ————
 CENTERLINE ————

RIGHT-OF-WAY ————
 POINT OF INTERSECTION ————△———
 LOT LINE ————
 EXISTING LIGHT GRAY
 PROPOSED BLACK

UNDERGROUND UTILITIES

SANITARY SEWER ————SS———
 WATER LINE ————W———
 STORM DRAIN ————S.D.———
 GAS LINE ————G———
 IRRIGATION LINE ————IRR.———

TELEPHONE CONDUIT ————T———
 ELECTRICAL CONDUIT ————E———
 STREET LIGHTING ————SL———
 TRAFFIC SIGNAL ————SIG———
 CABLE TELEVISION ————CTV———

TOPOGRAPHY

———— BLOCK WALL
 ———— BOARD FENCE
 —X— —X— WIRE FENCE
 —○— —○— CHAIN LINK FENCE

TOP OF SLOPE
 TOE OF SLOPE
 DIRECTION OF FLOW
 RETAINING WALL

⑤ SANITARY SEWER M.H.
 ④ STORM DRAIN M.H.
 □ TELEPHONE VAULT
 W WATER METER
 Y FIRE HYDRANT
 ○→ POLE & GUY ANCHOR
 ○ POLE
 P TRAFFIC SIGN

⊕ GAS METER
 RAILROAD TRACKS
 RAILROAD SIGNAL
 STREET LIGHT
 VALVE
 MONUMENT
 STREET NAME SIGN
 MAIL BOX

CONCRETE
 ASPHALT
 (ASPHALT)
 (DIRT) EDGE OF PAVEMENT
 BUILDING
 UNDERGROUND STRUCTURE
 OVERHANGING STRUCTURE

CITRUS TREE
 DECIDUOUS TREE
 PALM TREE
 TREE STUMP
 SHRUBBERY

EXISTING SOIL
 GRAVEL
 TRAFFIC CONE
 BARRICADE
 DELINEATOR
 BIKE LANE SIGN

N.T.S.

CITY OF PALM DESERT

APPROVED BY:

DEPARTMENT OF PUBLIC WORKS

STD NO.



Martin Alvarez
 MARTIN ALVAREZ
 PUBLIC WORKS DIRECTOR

Feb 19, 2025
 DATE

DRAFTING STANDARDS
 AND TOPOGRAPHY
 SYMBOLS

101
 SHEET 1 OF 2

TRAFFIC, LIGHTING, & STRIPING LINE STYLES

EXISTING LANE	— — — — —	PROPOSED LANE DROP	— — — — —
PROPOSED LANE	— — — — —	EXISTING LANE	○ ○ ○ ○ ○ ○ ○ ○
EXISTING LEAD-IN	- - - - -	EXTENSION	
PROPOSED LEAD-IN	— — — — —	PROPOSED LANE	● ● ● ● ● ● ● ●
EXISTING LANE	- - - - -	EXTENSION	
EXTENSION		EXISTING DOUBLE CENTER	= = = = =
PROPOSED LANE	— — — — —	PROPOSED DOUBLE CENTER	=====
EXTENSION		EXISTING PASSING ZONE	= = = = =
EXISTING LANE DROP	- - - - -	PROPOSED PASSING ZONE	=====

UTILITY LINE STYLES

TELEVISION	_____	_____	_____	_____	tv	_____	_____	_____	_____	(oh)	_____
TELEPHONE	_____	_____	_____	_____	l	_____	_____	_____	_____	(oh)	_____
TELECOM	_____	_____	_____	_____	tc	_____	_____	_____	_____	(oh)	_____
FIBER OPTIC	_____	_____	_____	_____	fo	_____	_____	_____	_____	(oh)	_____
ELECTRICAL	_____	_____	_____	_____	e	_____	_____	_____	_____	(oh)	_____

SYMBOLS

PROPOSED	EXISTING	
		LOUVERED VISOR (LEFT-ANGLE SHOWN - REVERSED FOR RIGHT ANGLE)
		TRAFFIC SIGNAL PULLBOX (PB)
		STREET LIGHTING PULLBOX (SLPB)
		CONTROLLER CABINET
		UNDERGROUND SERVICE CABINET
		TRAFFIC SIGNAL POLE
		VEHICLE SIGNAL HEAD WITH NO BACK PLATE
		VEHICLE SIGNAL HEAD WITH BACK PLATE
		PROGRAMMED VISIBILITY VEHICLE HEAD (3-12" SECTIONS)
		SIGNAL VEHICLE HEAD WITH ALL 12" ARROW INDICATIONS (REVERSE DIRECTION OF ARROW FOR LEFT OR RIGHT TURNS)
		PEDESTRIAN SIGNAL HEAD
		SIGNAL AND LUMINAIRE MAST ARMS WITH VEHICLE SIGNAL HEAD, 3-12" SECTIONS WITH BACK PLATE
		MAST ARM WITH VEHICLE SIGNAL HEAD, 3-12" SECTIONS WITH BACK PLATE
		TRAFFIC SIGNAL POLE WITH VEHICLE SIGNAL AND PEDESTRIAN HEADS
		TRAFFIC SIGNAL POLE WITH LUMINAIRE MAST ARM
		RETRO-REFLECTIVE MAST ARM MOUNTED SIGN
		INTERNALLY ILLUMINATED MAST ARM MOUNTED SIGN
		INDUCTIVE LOOP DETECTOR
		BICYCLE LOOP DETECTOR
		VIDEO DETECTION CAMERA
		VIDEO DETECTION ZONE
		WIRELESS RADIO ANTENNA
		FLASHING BEACON

N.T.S.



CITY OF PALM DESERT

APPROVED BY:

Martin Alvarez
MARTIN ALVAREZ
PUBLIC WORKS DIRECTOR

Feb 19, 2025
DATE

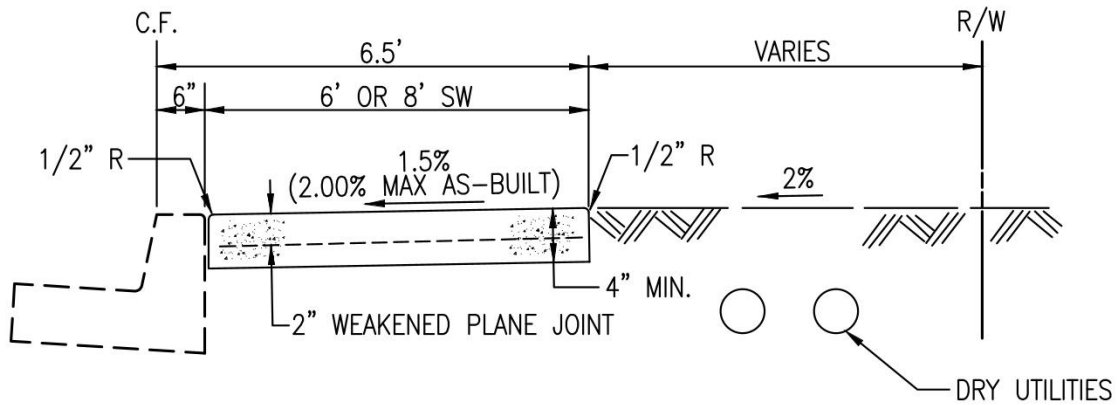
DEPARTMENT OF PUBLIC WORKS

STD NO.

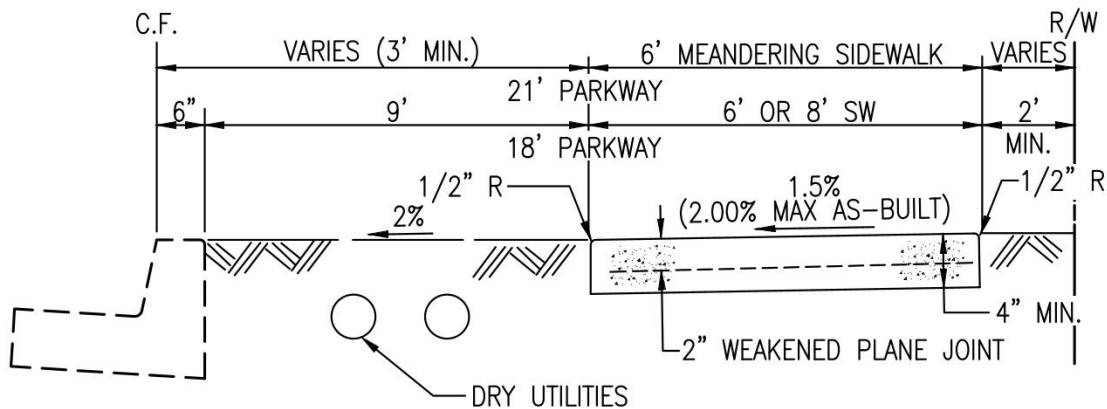
DRAFTING STANDARDS AND TOPOGRAPHY SYMBOLS

101

SHEET 2 OF 2



CURB ADJACENT SIDEWALK



MEANDERING SIDEWALK

NOTES:

1. ALL CONCRETE SHALL BE 560-C-3250 WITH CURING COMPOUND.
2. MINIMUM 4-FT CLEARANCE FOR ACCESSIBILITY PATH THROUGHOUT SIDEWALK.
3. ALL SIDEWALKS SHALL BE A MINIMUM THICKNESS OF 4".
4. SPECIFIC CONSTRUCTION DETAILS SHALL BE PER CURRENT EDITION OF STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION MANUAL.
5. EXPANSION PAPERS & WEAKENED PLANE JOINTS TO MATCH CURB & GUTTER.
6. MEET CURRENT ADA STANDARD. CROSS SLOPE OF SIDEWALKS SHALL BE MINIMUM OF 2% OR AS SPECIFIED BY STATE AND FEDERAL ACCESSIBILITY GUIDELINES, WHICHEVER MORE RESTRICTIVE.
7. LONGITUDINAL GRADE SHALL MEET CURRENT STATE AND LOCAL ACCESSIBILITY STANDARDS. LONGITUDINAL SLOPES OF MORE THAN 8% ARE SUBJECT TO THE CITY ENGINEER APPROVAL.
8. REMOVAL AND REPLACEMENT SHALL BE DONE TO THE NEAREST JOINT.

N.T.S.

CITY OF PALM DESERT

APPROVED BY:

DEPARTMENT OF PUBLIC WORKS

STD NO.

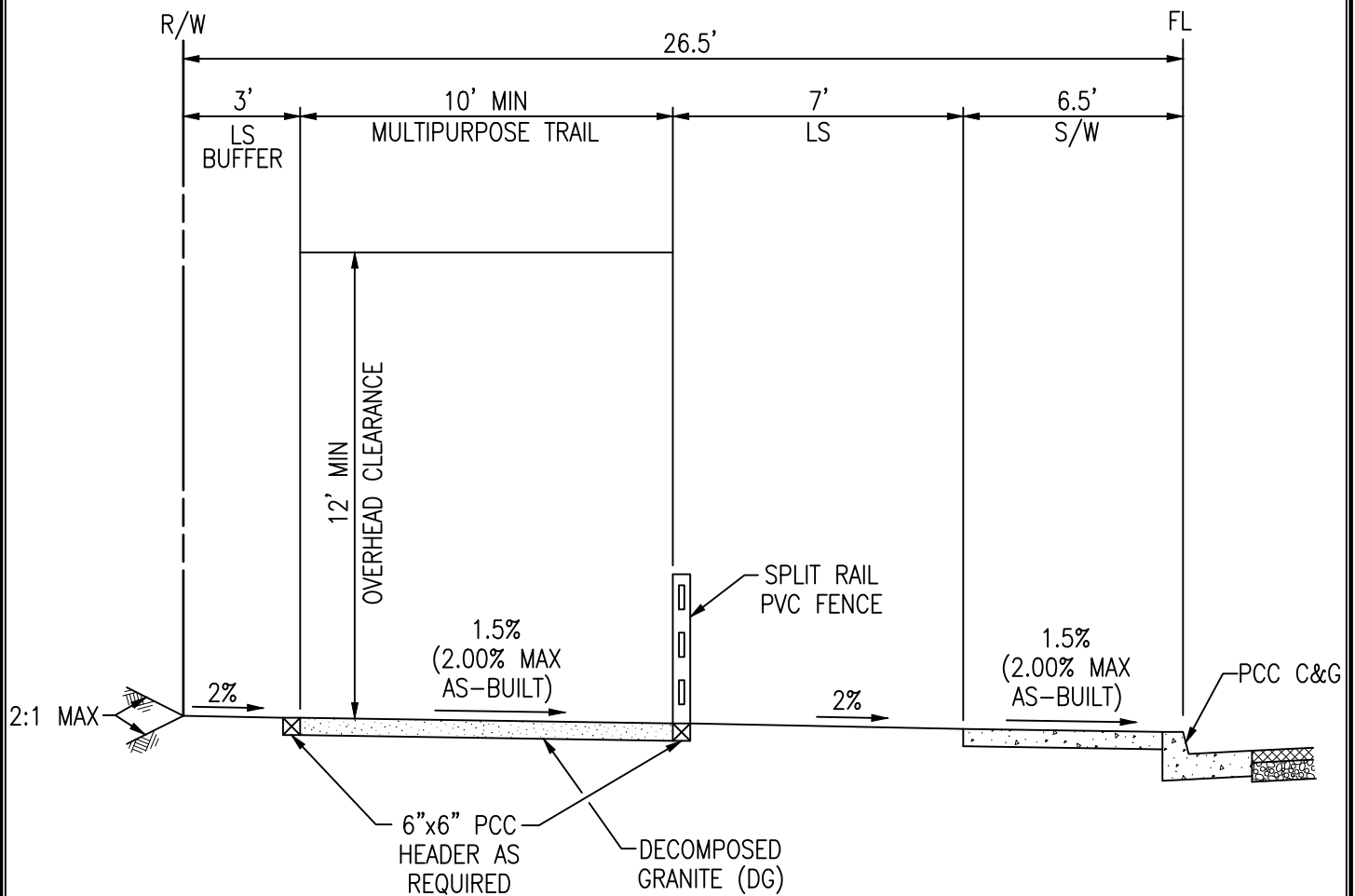


Martin Alvarez
MARTIN ALVAREZ
PUBLIC WORKS DIRECTOR

Feb 19, 2025
DATE

SIDEWALK

300



NOTES:

1. OMIT FENCE WITHIN SIGHT DISTANCE OF RESTRICTED USE AREAS.
2. TRAIL AND FENCE TO BE CONSTRUCTED PER LATEST DETAILS.
3. FOR TRAIL AND FENCE DETAILS, REFER TO THE COUNTY OF RIVERSIDE COMPREHENSIVE LANDSCAPE GUIDELINES AND STANDARDS.
4. DECOMPOSED GRANITE SHALL BE STABILIZED WITH CEMENT OR OTHER APPROVED METHOD.

N.T.S.

CITY OF PALM DESERT

APPROVED BY:

DEPARTMENT OF PUBLIC WORKS

STD NO.

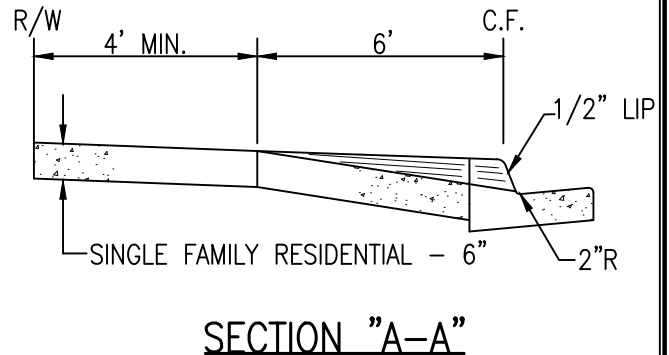
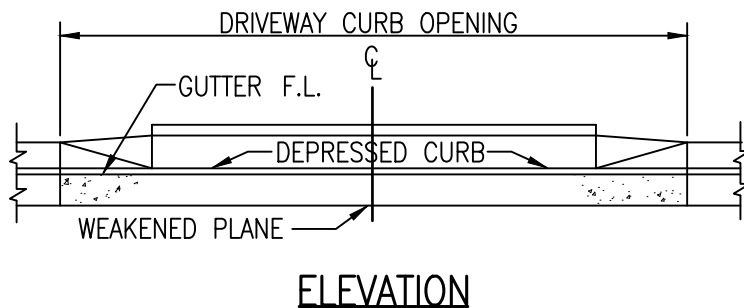
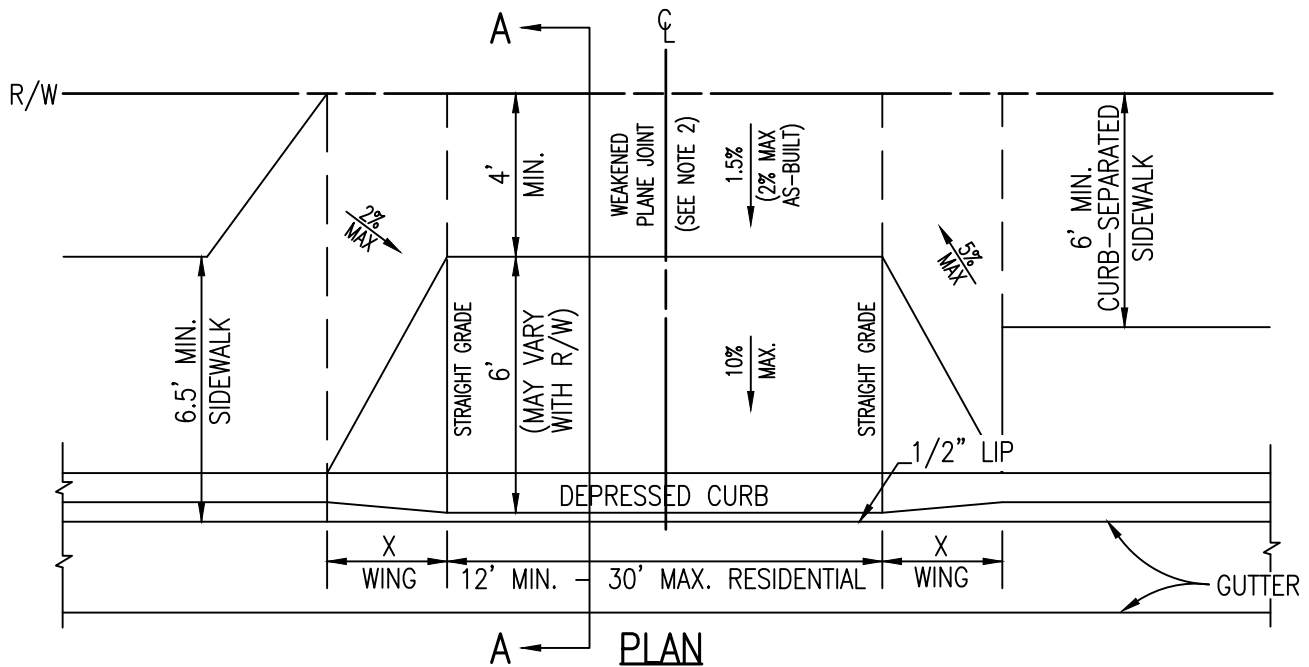


Martin Alvarez
MARTIN ALVAREZ
PUBLIC WORKS DIRECTOR

Feb 19, 2025
DATE

DG MULTIPURPOSE
TRAIL

302



NOTES:

1. ALL CONCRETE SHALL BE 560-C-3250 WITH CURING COMPOUND.
2. WEAKENED PLANE JOINTS REQUIRED ON DRIVEWAY $\text{\textcircled{C}}$ FOR DRIVEWAYS 12' TO 20' WIDE, DRIVEWAYS WIDER THAN 20' SHALL HAVE TWO WEAKENED PLANE JOINTS EVENLY SPACED. (OR 10' MIN.)
3. GRADE TO CONTROL DRIVEWAY DESIGN (OVER DISTANCE) IN ORDER TO PROVIDE UNINTERRUPTED ADA PATH OF TRAVEL

X	6" C.F.	8" C.F.
	3'	4'

N.T.S.

CITY OF PALM DESERT

APPROVED BY:



Martin Alvarez
MARTIN ALVAREZ
PUBLIC WORKS DIRECTOR

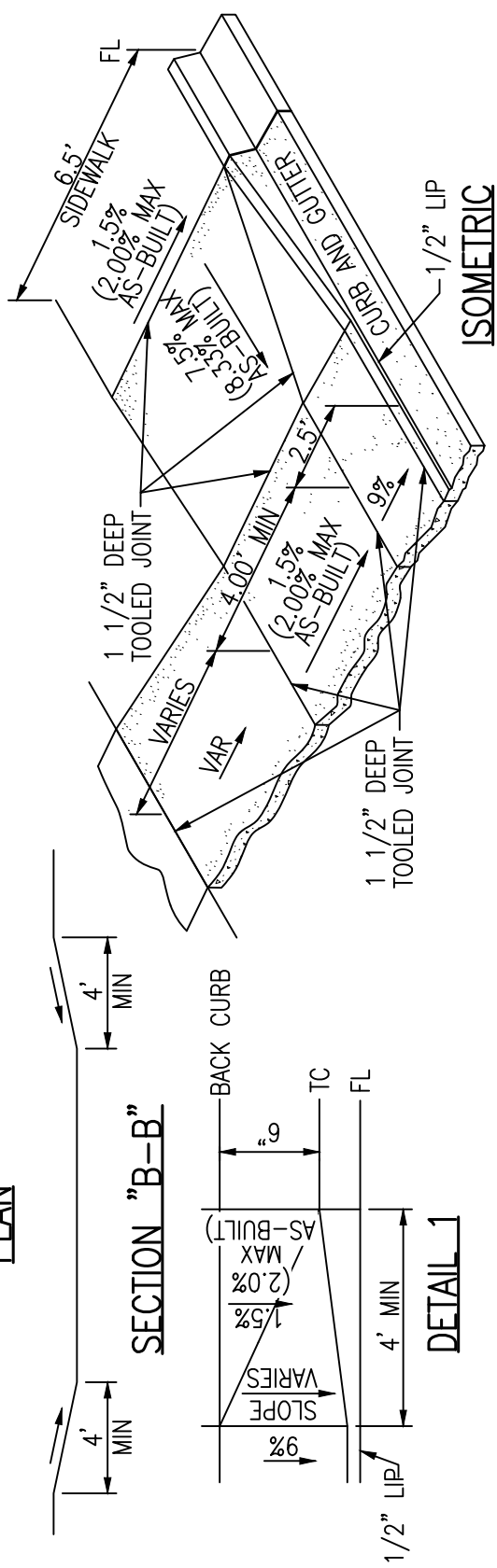
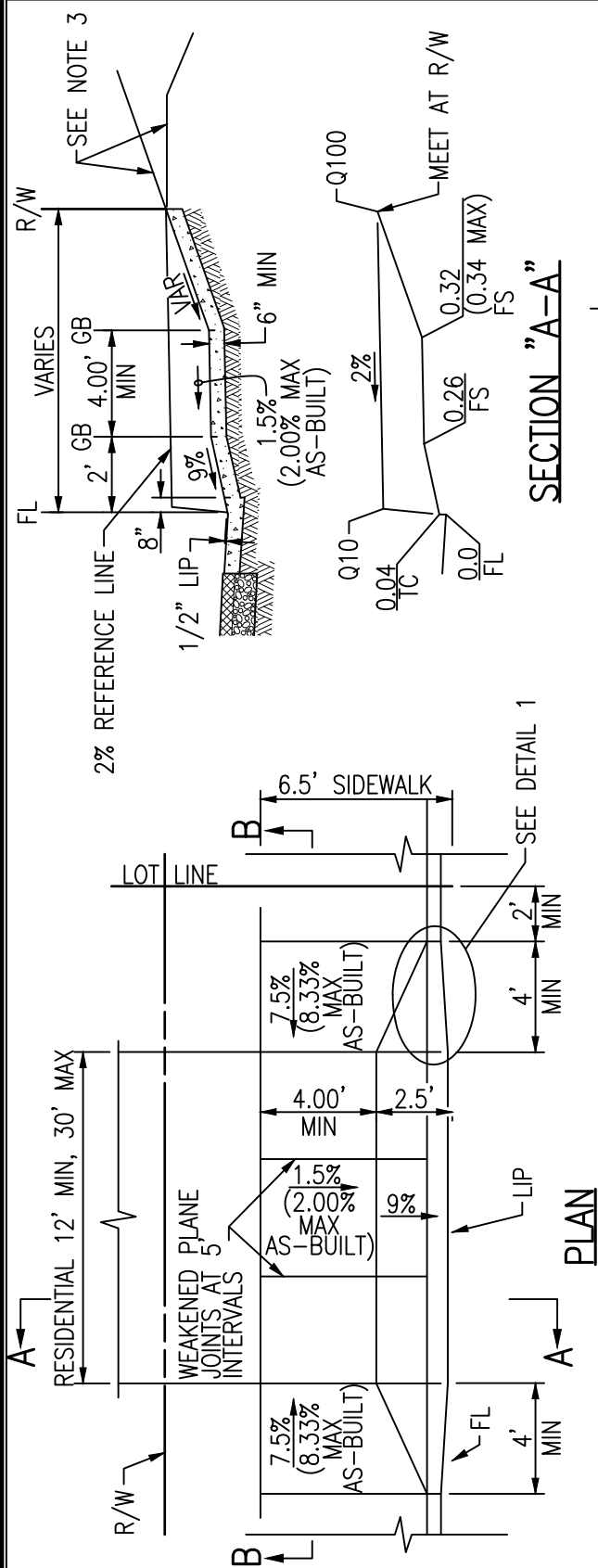
Feb 19, 2025
DATE

DEPARTMENT OF PUBLIC WORKS

STD NO.

RESIDENTIAL DRIVEWAY
(FOR RIGHT-OF-WAY
WIDTH BEHIND CURB
OF 10' OR MORE)


303



NOTES:

1. CONCRETE SHALL BE 560-C-3250.
2. 20' OF FULL-HEIGHT CURB REQUIRED BETWEEN DRIVEWAYS WITHIN ANY ONE PROPERTY FRONTAGE.
3. CONSTRUCT THE PROFILE GRADE OF THE PRIVATE ON-SITE DRIVEWAY SO THAT IT PROVIDES SMOOTH ACCESS PVER THE DRIVE APPROACH.
4. RELATIVE COMPACTION OF SUBGRADE UNDER DRIVEWAYS SHALL BE 95% MINIMUM.

N.T.S.

 <p>CITY OF PALM DESERT</p>	<p>APPROVED BY:</p> <p><i>Martin Alvarez</i></p> <p>MARTIN ALVAREZ PUBLIC WORKS DIRECTOR</p> <p>Feb 19, 2025</p> <p>DATE</p>	<p>DEPARTMENT OF PUBLIC WORKS</p> <p>RESIDENTIAL DRIVEWAY APPROACH (FOR CONFINED RIGHT-OF-WAY)</p>	<p>STD NO.</p> <p>304</p>
--	--	--	---------------------------

SINGLE RAMP RADIUS < 35'

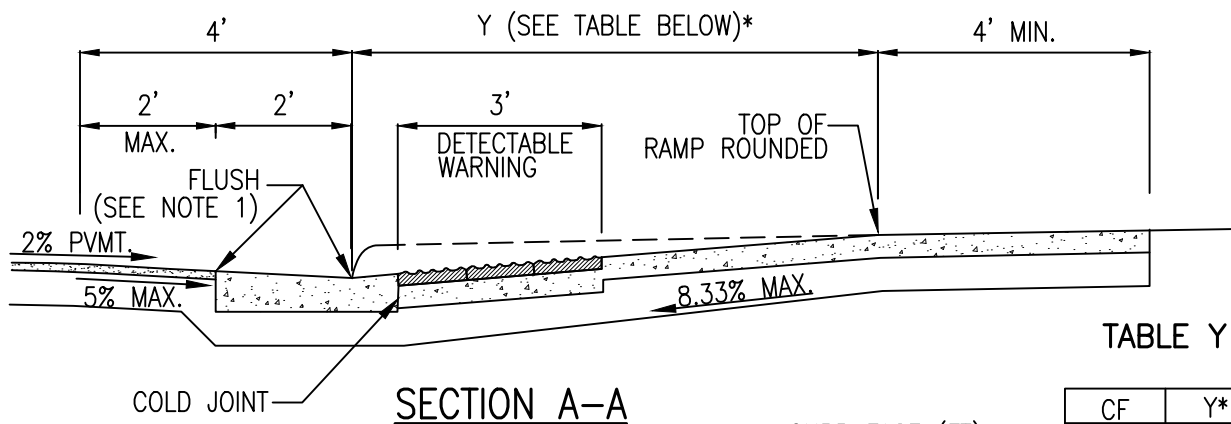
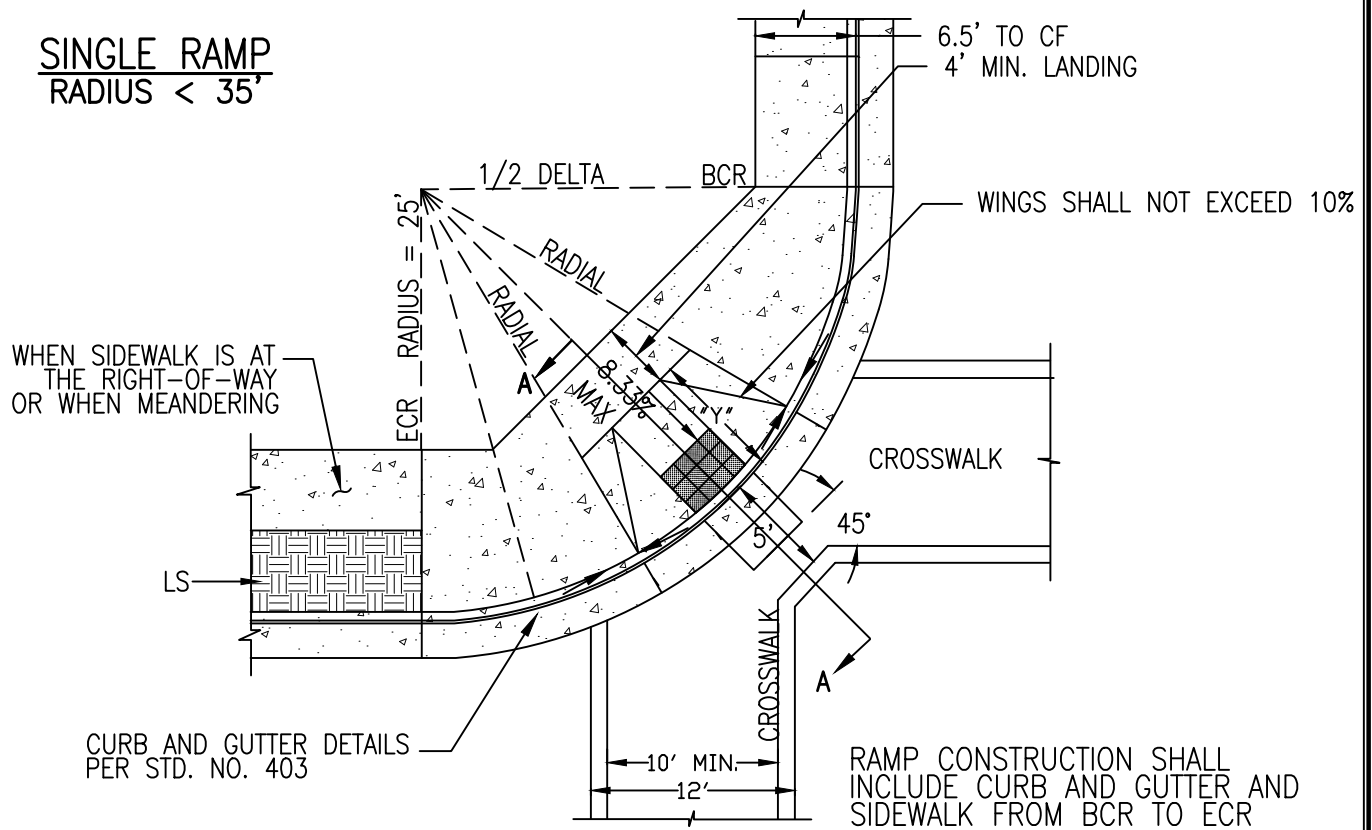


TABLE Y

CF	Y*
6"	7.90'
8"	10.53'

$$Y = \frac{\text{CURB FACE (FT)}}{6.33\%}$$

NOTES:

- TRANSITIONS FROM RAMPS TO WALKS, GUTTERS, OR STREETS SHALL BE FLUSH AND FREE OF ABRUPT CHANGES.
- TRUNCATED DOMES SHALL BE CAST-IN-PLACE, REPLACEABLE, FEDERAL YELLOW IN COLOR.

** 'Y' SHALL NOT EXCEED 10.53', UNLESS APPROVED BY THE CITY ENGINEER

N.T.S.

CITY OF PALM DESERT

APPROVED BY:

DEPARTMENT OF PUBLIC WORKS

STD NO.



Martin Alvarez

Feb 19, 2025

MARTIN ALVAREZ
PUBLIC WORKS DIRECTOR

DATE

SINGLE CURB RAMP

306

****DOUBLE RAMP**

RADIUS $\geq 35'$

AT MAJOR INTERSECTIONS ONLY

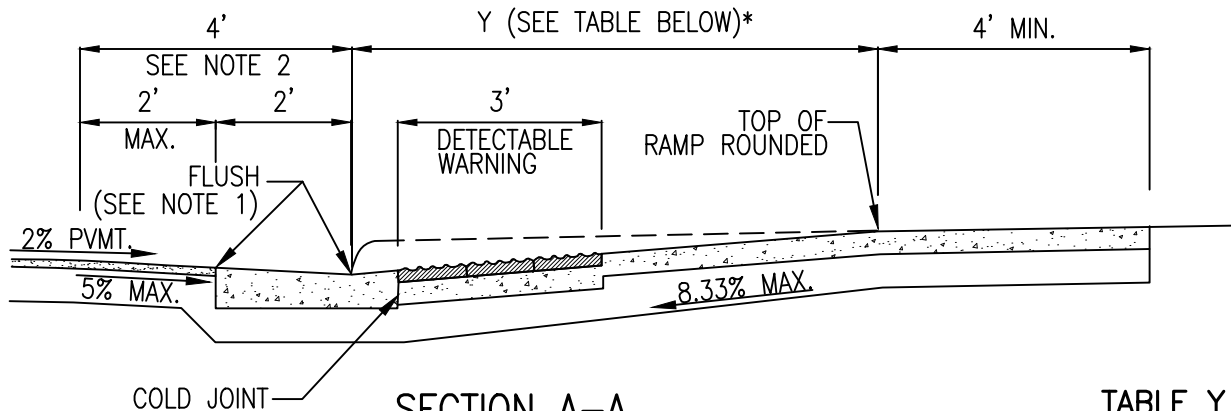
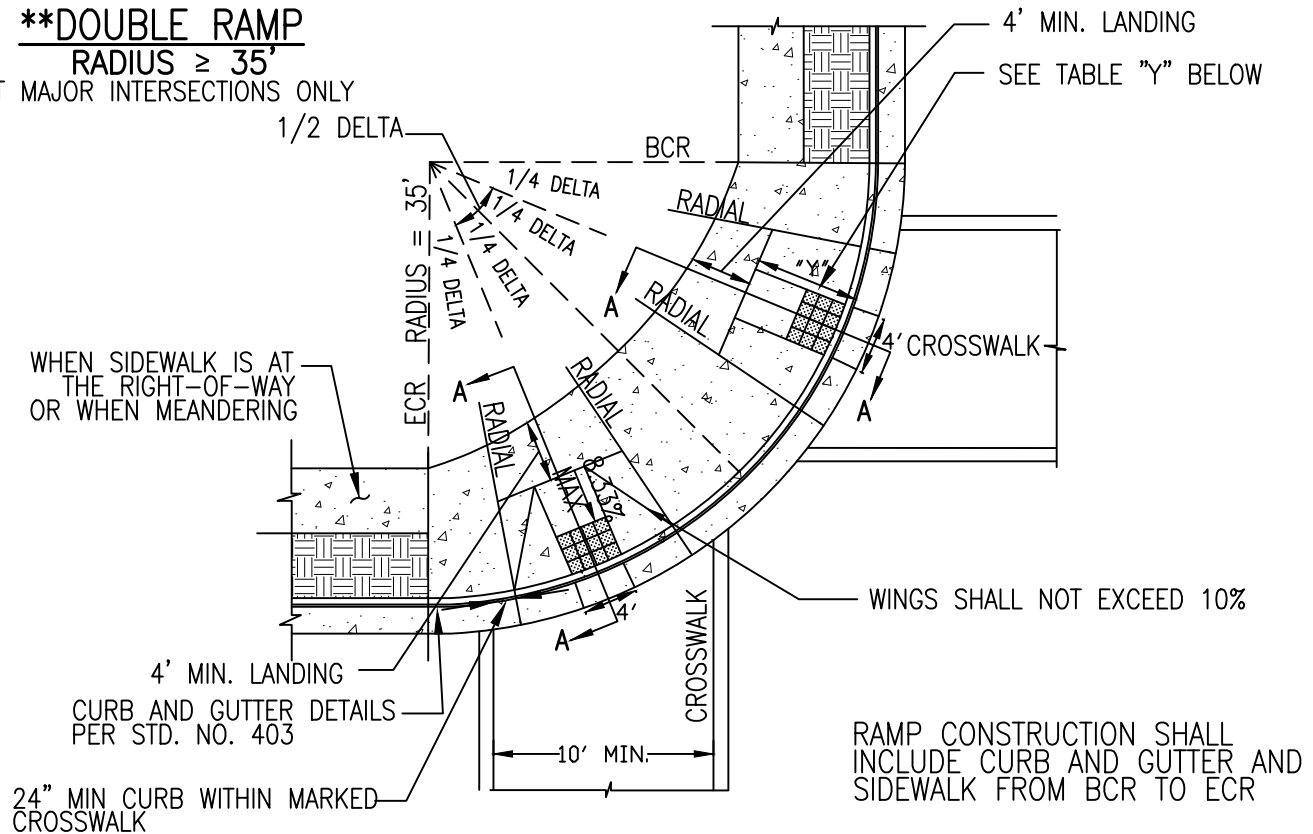


TABLE Y

CF	Y*
6"	7.90'
8"	10.53'

NOTES:

- TRANSITIONS FROM RAMPS TO WALKS, GUTTERS, OR STREETS SHALL BE FLUSH AND FREE OF ABRUPT CHANGES.
- MAXIMUM SLOPES OF ADJOINING GUTTERS: THE ROAD SURFACE IMMEDIATELY ADJACENT TO THE CURB RAMP AND CONTINUOUS PASSAGE TO THE CURB RAMP SHALL NOT EXCEED 5% WITHIN 4 FEET OF THE BOTTOM OF THE CURB RAMP.
- TRUNCATED DOMES SHALL BE CAST-IN-PLACE, REPLACEABLE, FEDERAL YELLOW IN COLOR.

* 'Y' SHALL NOT EXCEED 10.53', UNLESS APPROVED BY THE CITY ENGINEER

** ELIMINATE ONE RAMP IF NO FUTURE PATH OF TRAVEL EXISTS

N.T.S.

CITY OF PALM DESERT

APPROVED BY:

DEPARTMENT OF PUBLIC WORKS

STD NO.



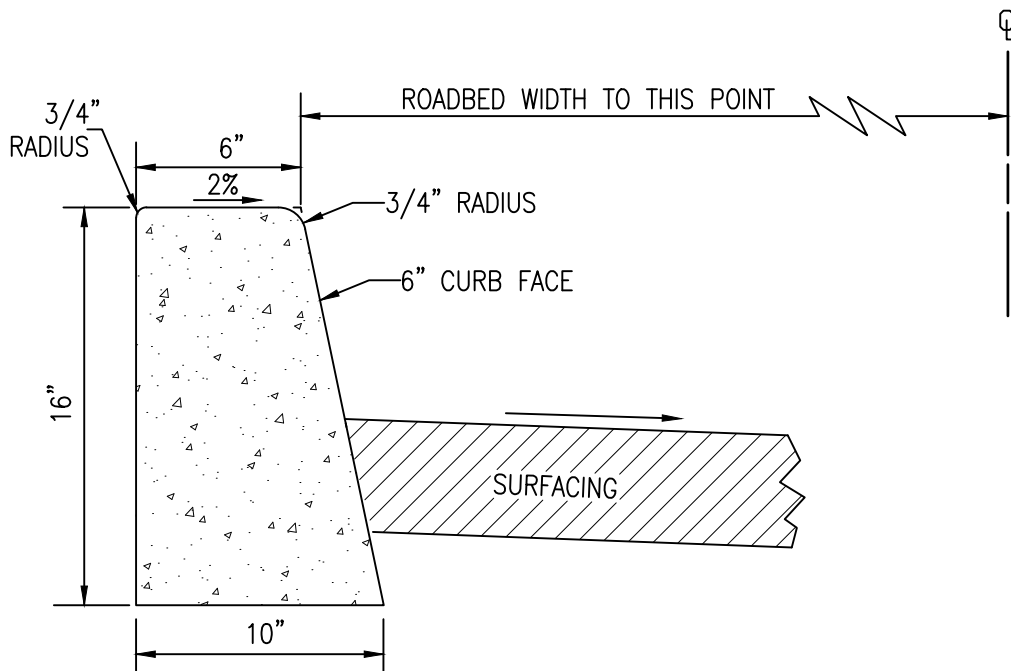
Martin Alvarez
MARTIN ALVAREZ
PUBLIC WORKS DIRECTOR

Feb 19, 2025

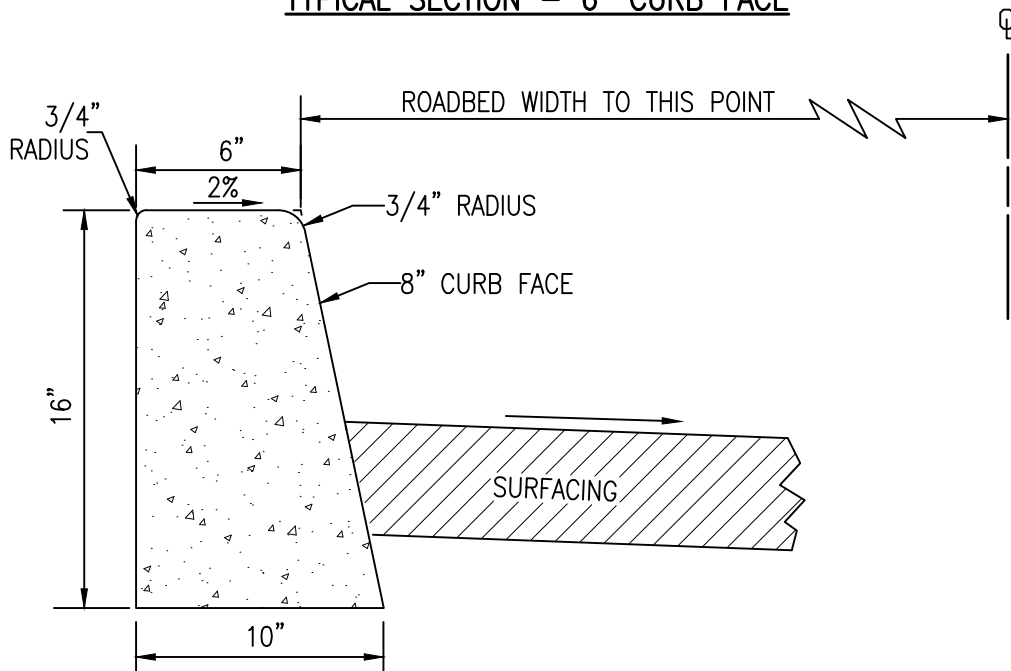
DATE

DUAL CURB RAMP

307



TYPICAL SECTION - 6" CURB FACE




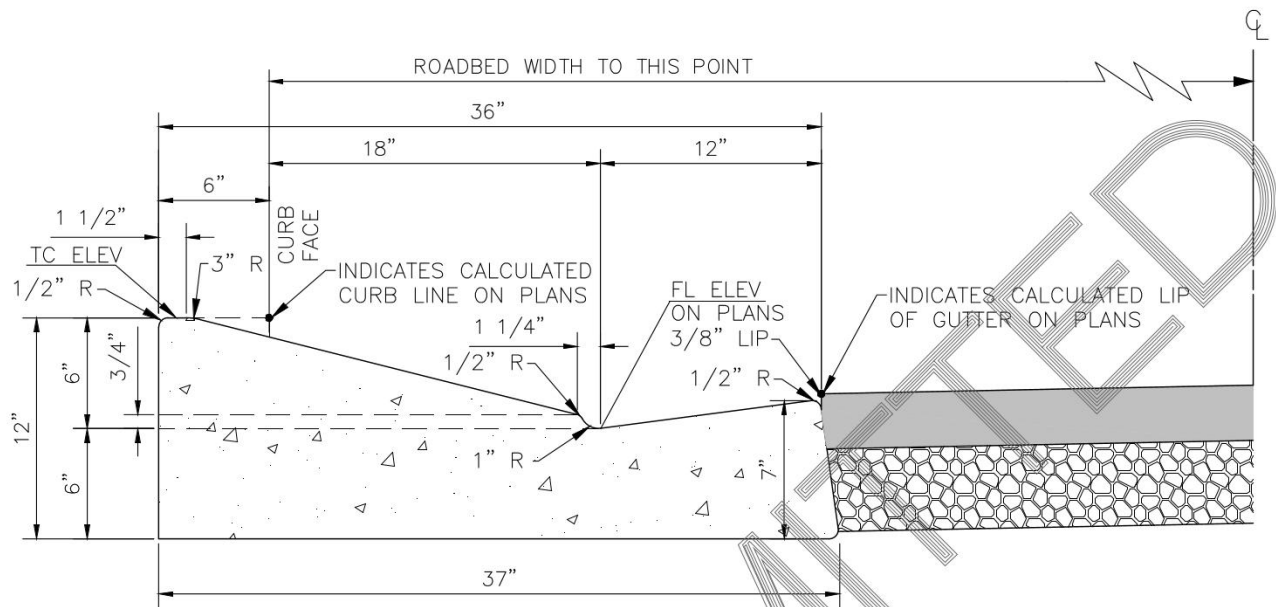
TYPICAL SECTION - 8" CURB FACE

NOTES:

1. ALL CONCRETE SHALL BE 560-C-3250 WITH CURING COMPOUND.
2. CU. YD. = 30.41 L.F. } 8" CURB
3. 0.888 CU. FT./L.F. }
4. WEAKENED PLANE JOINT EVERY 10' O.C.
5. EXPANSION PAPER REQUIRED EVERY 50', AT THE TOPS OF DRIVEWAY X's, AND AT ECR's & BCR's.
6. REMOVAL AND REPLACEMENT SHALL BE DONE TO THE NEAREST JOINT.

N.T.S.

	CITY OF PALM DESERT	APPROVED BY: <i>Martin Alvarez</i> MARTIN ALVAREZ PUBLIC WORKS DIRECTOR	Feb 19, 2025 DATE	DEPARTMENT OF PUBLIC WORKS	STD NO.
				CURB ONLY	400



WEDGE CURB

NOTES:

1. ALL CONCRETE SHALL BE 560-C-3250 WITH CURING COMPOUND
2. CU. YD. = 16.21 L.F.
3. RELATIVE COMPACTION OF SUBGRADE UNDER CURB AND GUTTER SHALL BE 95% MIN.
4. WEAKEND PLANE JOINT EVERY 10' O.C.
5. EXPANSION PAPER REQUIRED EVERY 50', AND AT ECR'S AND BCR'S.

N.T.S.

CITY OF PALM DESERT

APPROVED BY:

DEPARTMENT OF PUBLIC WORKS

STD NO.

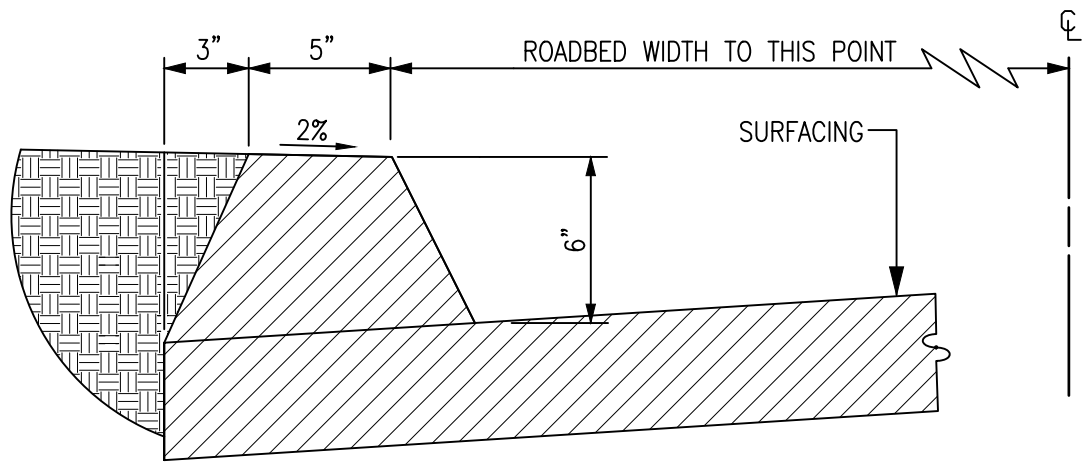


Martin Alvarez
MARTIN ALVAREZ
PUBLIC WORKS DIRECTOR

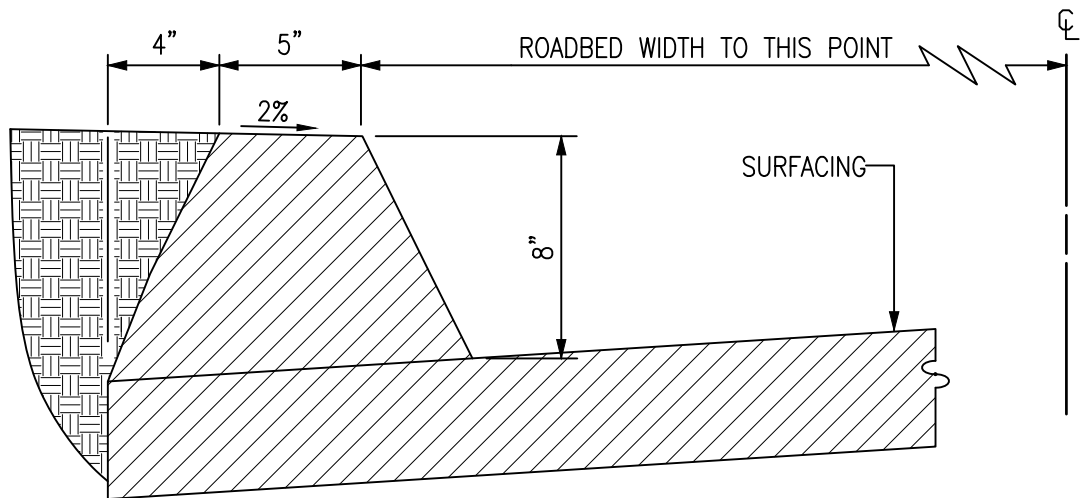
Feb 19, 2025
DATE

WEDGE CURB

401



6" A.C. BERM



8" A.C. BERM

NOTES:

1. A.C. BERM REQUIRED WHERE FILL SLOPES ARE STEEPER THAN 4:1, MATERIAL IS SUSCEPTIBLE TO EROSION, OR WHERE ROADWAY GRADIENT EXCEEDS 3%.

N.T.S.

CITY OF PALM DESERT

APPROVED BY:

DEPARTMENT OF PUBLIC WORKS

STD NO.

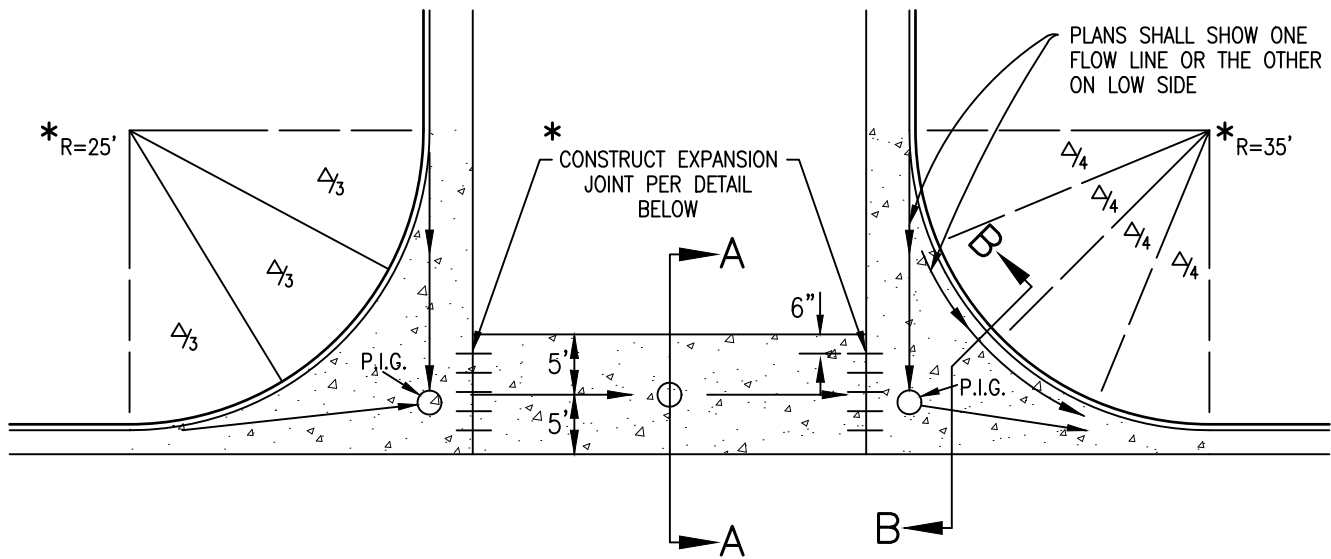


Martin Alvarez
MARTIN ALVAREZ
PUBLIC WORKS DIRECTOR

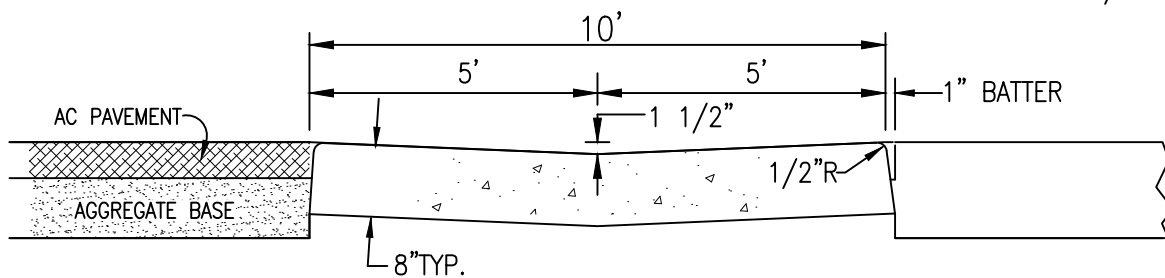
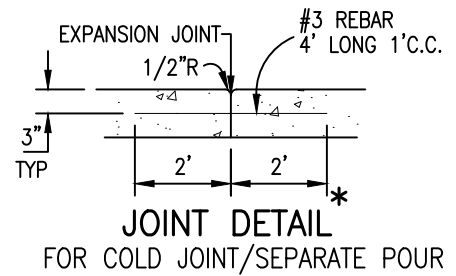
Feb 19, 2025
DATE

ASPHALT CONCRETE
BERM

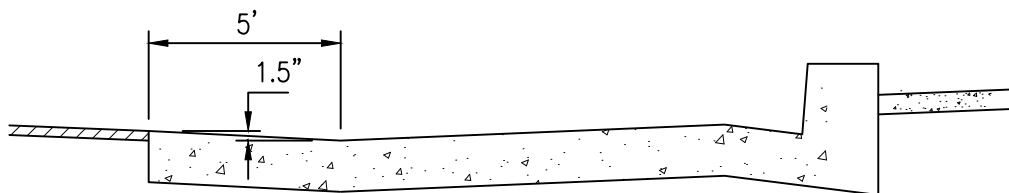
402



PLAN



SECTION A-A



SECTION B-B

NOTES:

1. ALL CONCRETE SHALL BE 560-C-3250 WITH CURING COMPOUND.
2. = TYPICAL FLOWLINES
3. = ELEVATIONS TO BE SHOWN ON PLANS
4. ENGINEER OF RECORD SHALL PROVIDE DETAIL SHOWING ACCESSIBLE PATH OF TRAVEL COMPLIANT WITH CURRENT ADA STANDARDS FOR ALL INTERSECTIONS AT CROSSINGS ON VERTICAL CURVES.
5. CURB RAMPS SHALL MEET CURRENT ADA STANDARDS.

N.T.S.

CITY OF PALM DESERT

APPROVED BY:

DEPARTMENT OF PUBLIC WORKS

STD NO.

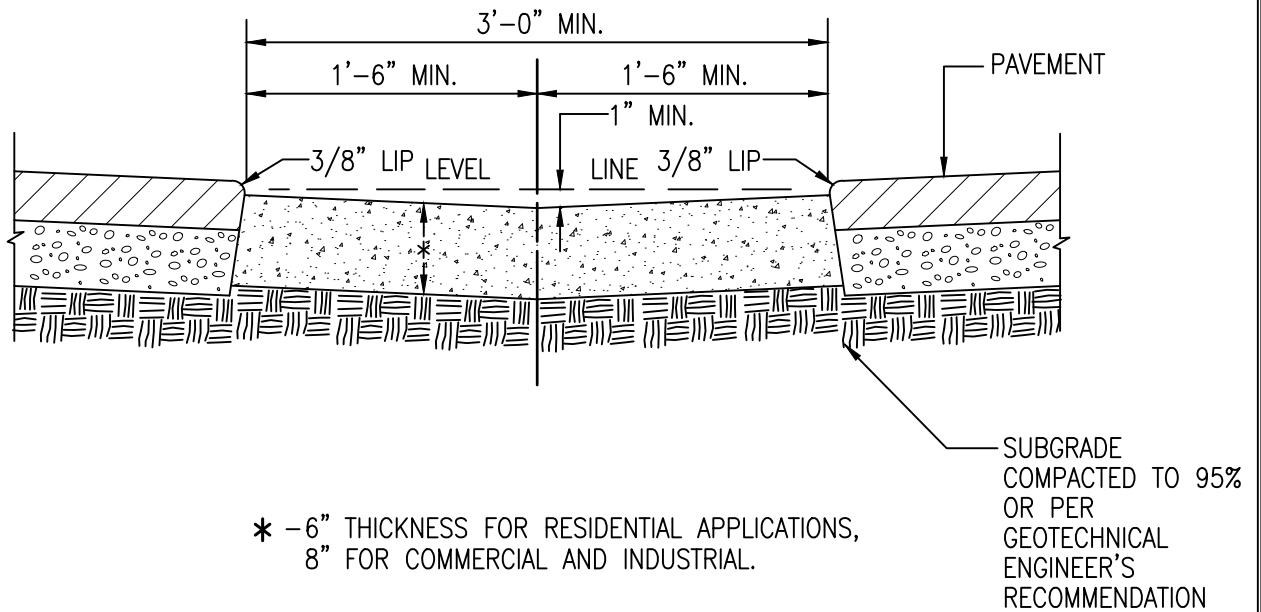


Martin Alvarez
MARTIN ALVAREZ
PUBLIC WORKS DIRECTOR

Feb 19, 2025
DATE

CROSS GUTTER

404



NOTES:

1. ALL CONCRETE SHALL BE 560-C-3250 WITH CURING COMPOUND.
2. WEAKENED PLANE JOINTS EVERY 10' O.C.
3. EXPANSION PAPER REQUIRED EVERY 50'.

N.T.S.

CITY OF PALM DESERT

APPROVED BY:

DEPARTMENT OF PUBLIC WORKS

STD NO.

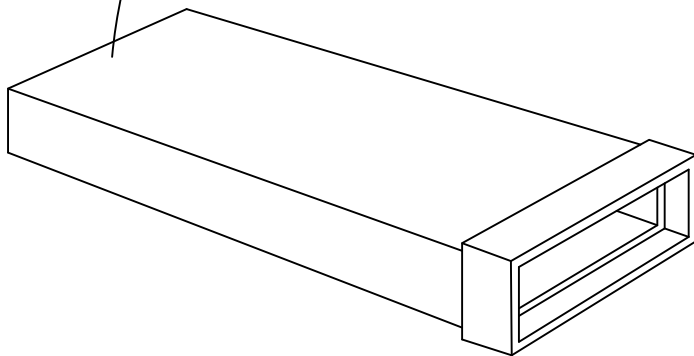
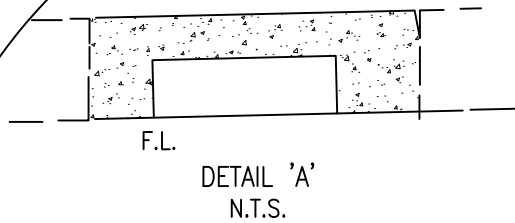
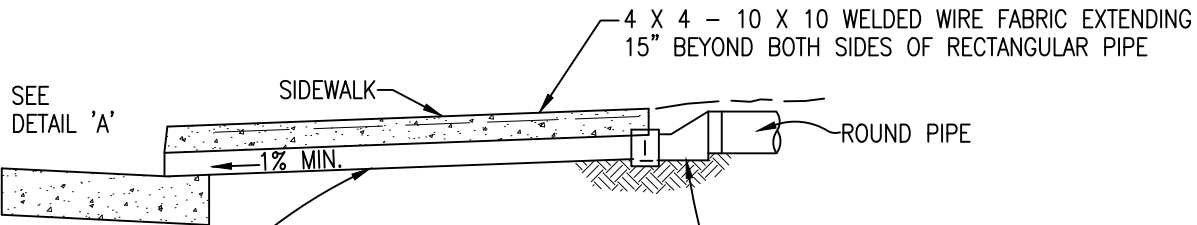


Martin Alvarez
MARTIN ALVAREZ
PUBLIC WORKS DIRECTOR

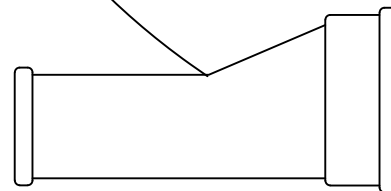
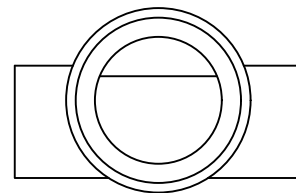
Feb 19, 2025
DATE

VALLEY
GUTTER

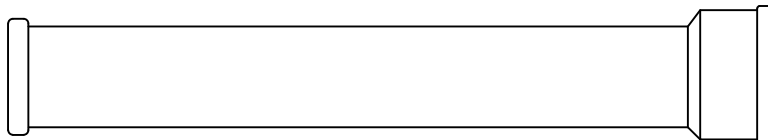
405



ALHAMBRA FOUNDRY CO. LTD.*
RECTANGULAR PIPE (A-470)



ALHAMBRA FOUNDRY CO. LTD.*
ADAPTOR (A-480)



ROUND PIPE	RECT. PIPE	LAYING LENGTH
4"	3" X 5"	1'0"
5"	3" X 9"	1'0"
6"	3" X 12 1/2"	1'0"
8"	4" X 14"	1'0"

OUTSIDE PIPE	OUTSIDE HUBS	TRANSVERSE AREA - NET	LAYING LENGTH
3" X 5"	4 1/4" X 6 1/4"	11.25 SQ. IN.	5'0"
3" X 5"	4 1/4" X 6 1/4"	11.25 SQ. IN.	2'6"
3" X 9"	4 1/4" X 10 1/4"	21.20 SQ. IN.	5'0"
3" X 12 1/2"	4 1/4" X 14"	30.00 SQ. IN.	5'0"
3" X 12 1/2"	4 1/4" X 14"	30.00 SQ. IN.	2'6"
4" X 14"	5 1/4" X 15 1/4"	47.50 SQ. IN.	5'0"
4" X 14"	5 1/4" X 15 1/4"	47.50 SQ. IN.	2'6"

* ALTERNATIVE SYSTEMS MAY BE UTILIZED. USE OF ANY OTHER SYSTEM IS SUBJECT TO REVIEW AND APPROVAL BY THE CITY ENGINEER.

N.T.S.

CITY OF PALM DESERT

APPROVED BY:

DEPARTMENT OF PUBLIC WORKS

STD NO.

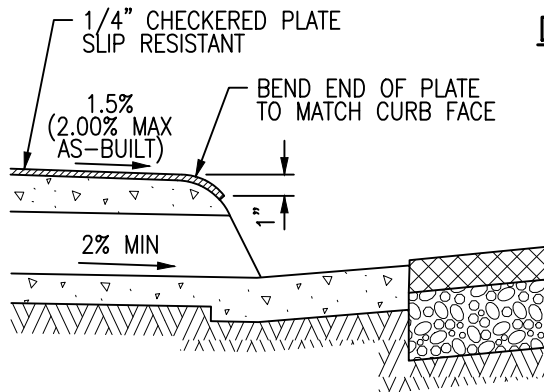
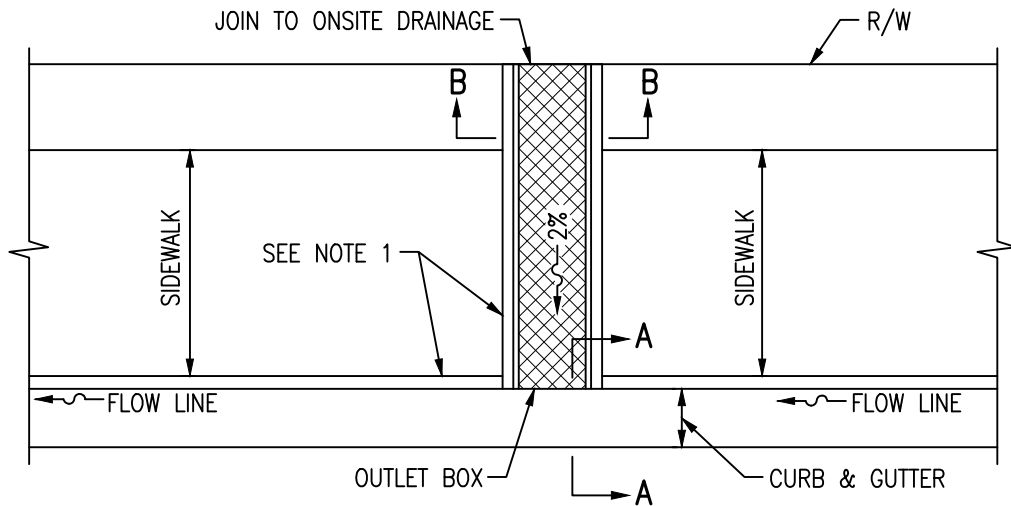


Martin Alvarez
MARTIN ALVAREZ
PUBLIC WORKS DIRECTOR

Feb 19, 2025
DATE

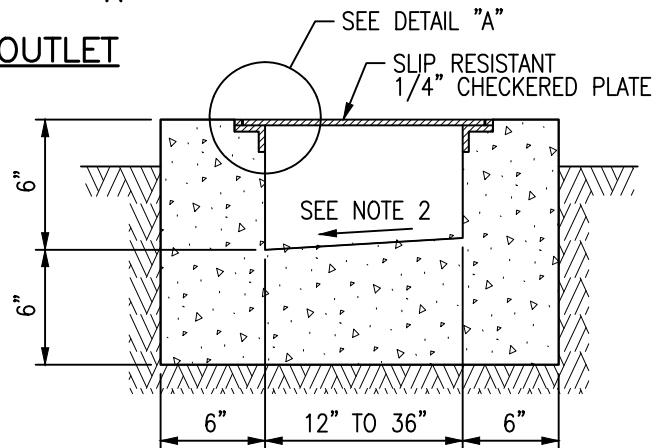
UNDER SIDEWALK
DRAIN

500



SECTION "A-A"

DRAIN OUTLET

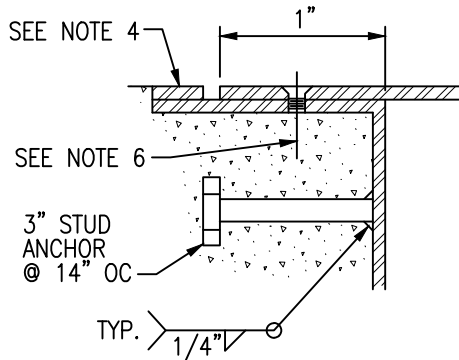


SECTION "B-B"

NOTES:

1. UNDER SIDEWALK DRAIN TO BE CONSTRUCTED PERPENDICULAR (90°) TO THE CURB ALIGNMENT. VARIATIONS FROM 90° REQUIRE THE APPROVAL OF THE CITY ENGINEER.
2. SLOPE TO DRAIN TO ONE SIDE.
3. ALL EXPOSED METAL PARTS TO BE HOT-DIP GALVANIZED AFTER FABRICATION.
4. 1 1/2" X 1 1/2" X 1/4" "L" FRAME WITH 3/8" X 1/4" STEEL STRIP WELDED TO FRAME.
5. CHECKERED PLATE SHALL BE SLIP RESISTANT HOT-DIP GALVANIZED STEEL MAXIMUM WIDTH 36".
6. FASTEN WITH 1/4" COARSE-THREAD COUNTERSINK STAINLESS STEEL SCREWS AT 12" OC.
7. WHEN ABUTTING SOIL HAS A HIGH SULFATE CONTENT, USE A MODIFIED CONCRETE MIX AND PLACE 6" MIN CLASS 2 AGGREGATE BASE AND 6 MIL. PLASTIC SHEETING UNDER AND AROUND ALL SIDES OF CONCRETE IMPROVEMENTS. FOR EXPANSIVE SOIL, PLACE 6" MIN CLASS 2 AGGREGATE BASE UNDER CONCRETE IMPROVEMENTS AS DIRECTED BY THE ENGINEER.
8. CONCRETE MINIMUM CEMENTITIOUS MATERIAL CONTENT = 505LB/CU YD.
9. NOT FOR USE IN PUBLIC RIGHT-OF-WAY.

N.T.S.



DETAIL "A"

CITY OF PALM DESERT

APPROVED BY:

DEPARTMENT OF PUBLIC WORKS

STD NO.

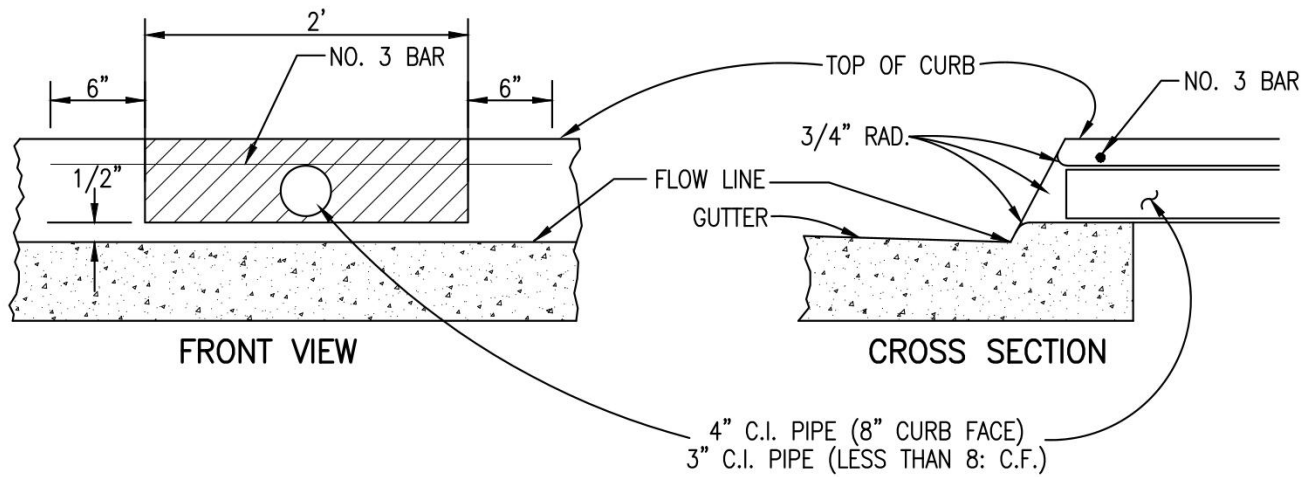


Martin Alvarez
MARTIN ALVAREZ
PUBLIC WORKS DIRECTOR

Feb 19, 2025
DATE

UNDER SIDEWALK
DRAIN
CAST IN PLACE

501



- NOTE 1: SAWCUT AND REMOVE CROSS HATCHED PORTION OF CURB SECTION.
- NOTE 2: CLASS 560-C-3250 CONCRETE SHALL BE USED TO RECONSTRUCT THE CURB SECTION.
- NOTE 3: WHEN CURB FACE ELEVATION IS LESS THAN 8" HIGH, THE FLOW LINE OF THE PIPE SHALL BE AT LEAST 1/2" ABOVE THE ELEVATION OF THE FLOW LINE OF THE GUTTER, AND THE PIPE SHOULD BE 3" IN DIAMETER.
- NOTE 4: A MINIMUM SEPARATION OF TEN FEET (10') IS REQUIRED BETWEEN ADJACENT DRAINS ON THE SAME PROPERTY.
- NOTE 5: WHEN GREATER CAPACITY IS REQUIRED, CITY OF PALM DESERT STANDARD 500 SHALL BE CONSTRUCTED.
- NOTE 6: DOWEL REBAR 6" INTO ADJACENT CONCRETE. REBAR SHALL OVERLAP 12", SIDE-BY-SIDE.
- NOTE 7: IF CURB DRAIN IS INSTALLED UNDER SIDEWALK, THE ENTIRE SIDEWALK PANEL MUST BE REMOVED AND REPLACED.

CASE A – SAW CUT OPTION

CORE DRILLING IN LIEU OF SAW CUT OPTION IS PERMITTED PROVIDED:

- (1) INVERT ELEVATION OF THE CORE SHALL BE AT LEAST 1/2" ABOVE THE FLOW LINE ELEVATION.
- (2) CORE DIAMETER SHALL NOT EXCEED 50% OF THE CURB FACE DIMENSION.
- (3) A MINIMUM SEPARATION OF TEN FEET (10') IS REQUIRED BETWEEN ADJACENT DRAINS ON THE SAME PROPERTY.
- (4) WHEN GREATER CAPACITY IS REQUIRED, CITY OF PALM DESERT STANDARD NUMBER 200 SHALL BE CONSTRUCTED.
- (5) THERE SHALL BE A MINIMUM OF 2" OF CONCRETE OVER THE TOP OF THE PIPE.

CASE B – CORE DRILL OPTION

N.T.S.

CITY OF PALM DESERT

APPROVED BY:

DEPARTMENT OF PUBLIC WORKS

STD NO.

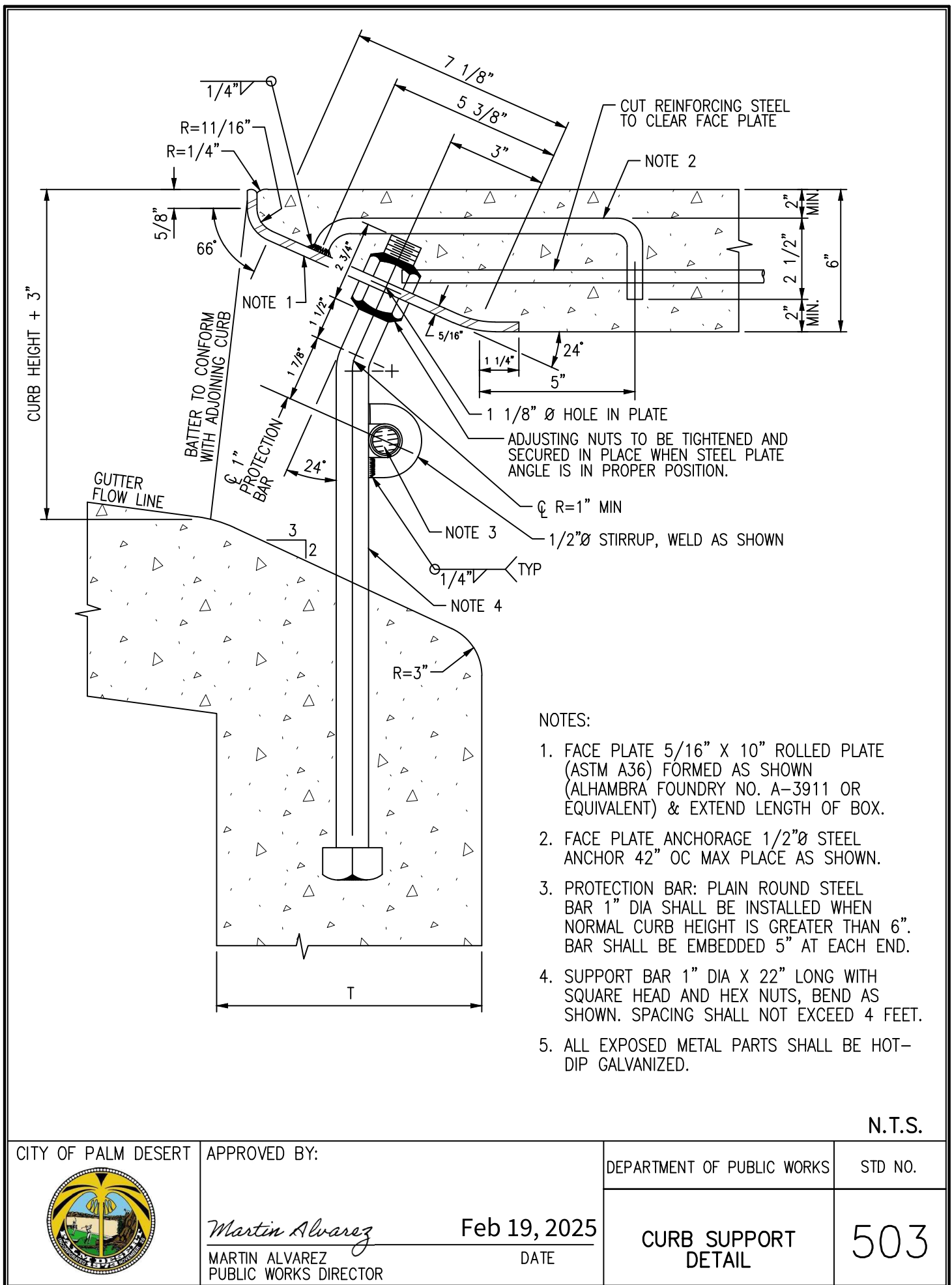


Martin Alvarez
MARTIN ALVAREZ
PUBLIC WORKS DIRECTOR

Feb 19, 2025
DATE

CURB DRAIN
CASE A &
CASE B

502



N.T.S.

CITY OF PALM DESERT

APPROVED BY:

DEPARTMENT OF PUBLIC WORKS

STD NO.

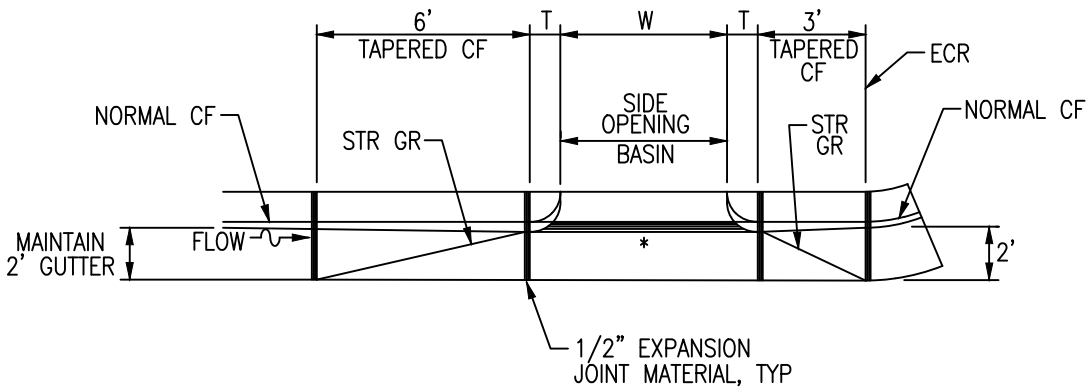


Martin Alvarez
MARTIN ALVAREZ
PUBLIC WORKS DIRECTOR

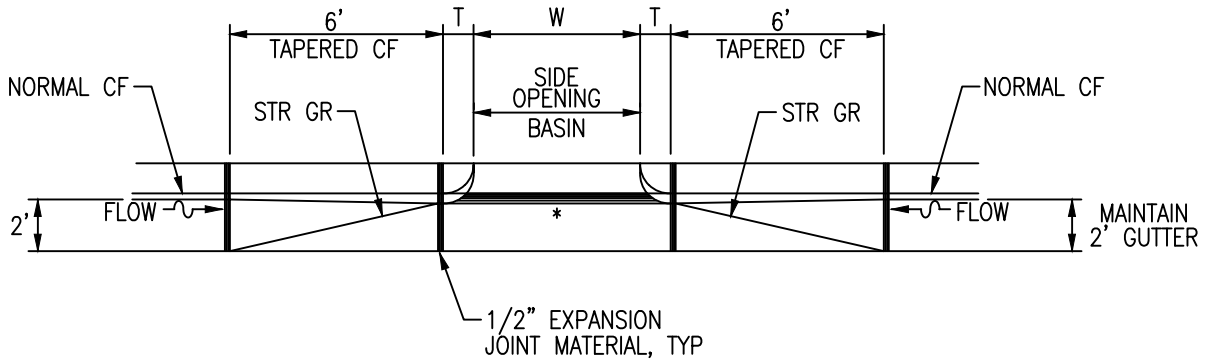
Feb 19, 2025
DATE

CURB SUPPORT
DETAIL

503



CASE "A"
(FLOW BY)



CASE "B"
(SUMP)

* CATCH BASIN OPENING = NORMAL CURB HEIGHT + 3 INCHES UNLESS OTHERWISE SPECIFIED.

N.T.S.

CITY OF PALM DESERT

APPROVED BY:

DEPARTMENT OF PUBLIC WORKS

STD NO.

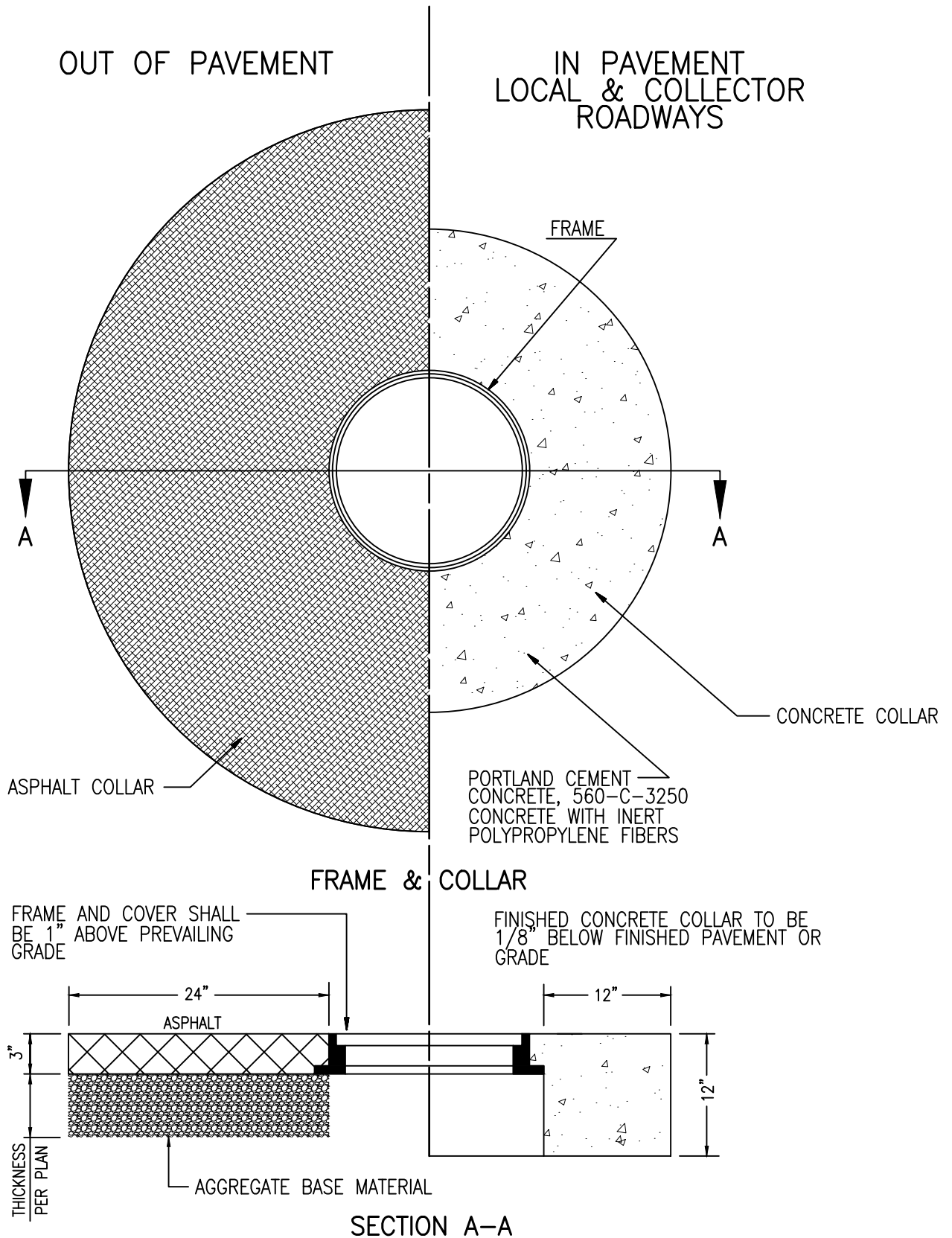


Martin Alvarez
MARTIN ALVAREZ
PUBLIC WORKS DIRECTOR

Feb 19, 2025
DATE

GUTTER DEPRESSION
FOR CURB OPENING
CATCH BASINS

504



N.T.S.

CITY OF PALM DESERT

APPROVED BY:

DEPARTMENT OF PUBLIC WORKS

STD NO.

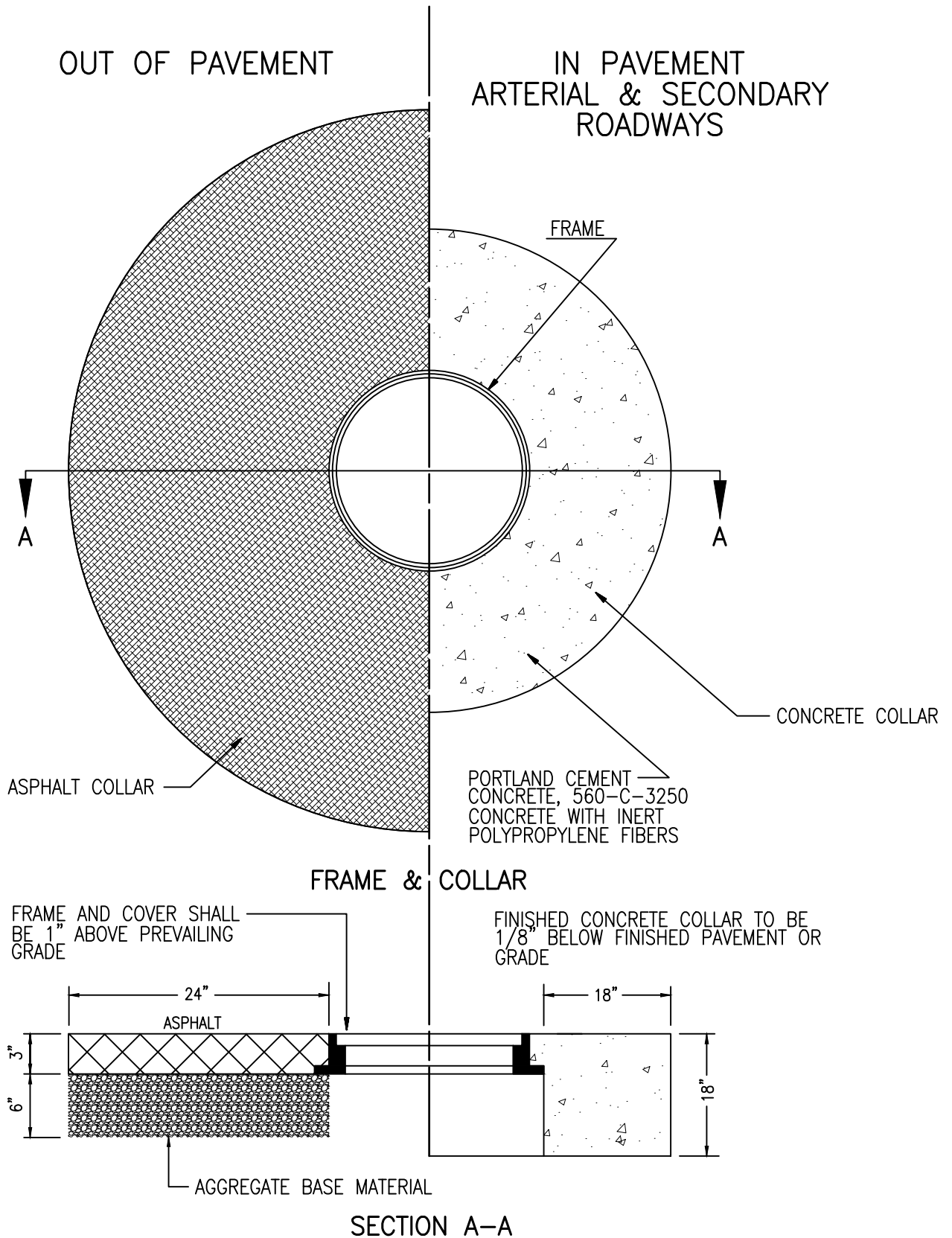


Martin Alvarez
MARTIN ALVAREZ
PUBLIC WORKS DIRECTOR

Feb 19, 2025
DATE

MANHOLE FRAME
AND COVER
(LOCAL & COLLECTOR
STREETS)

505



N.T.S.

CITY OF PALM DESERT

APPROVED BY:

DEPARTMENT OF PUBLIC WORKS

STD NO.



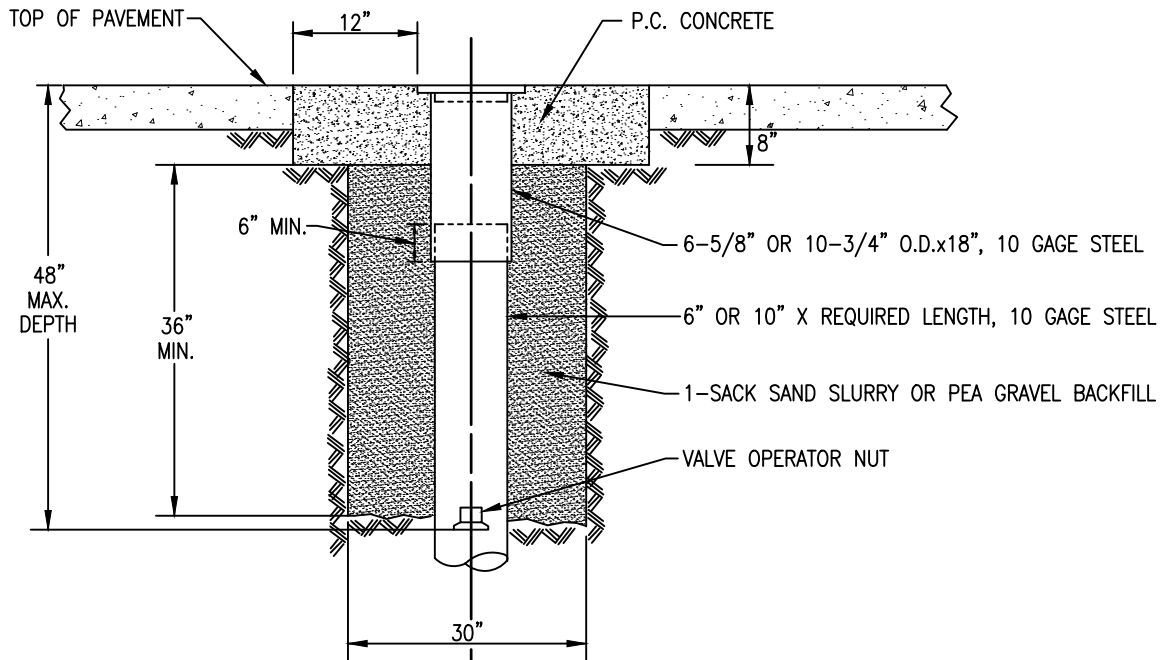
Martin Alvarez
MARTIN ALVAREZ
PUBLIC WORKS DIRECTOR

Feb 19, 2025
DATE

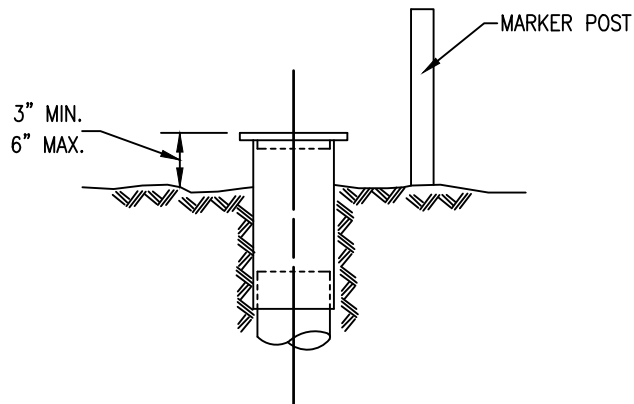
MANHOLE FRAME
AND COVER (ARTERIAL
& SECONDARY
STREETS)

506

TYPICAL INSTALLATION (STREET OR ALLEY)



TYPICAL INSTALLATION (UNTRAVELED AREAS)



NOTES:

1. ALL CONCRETE SHALL BE 560-C-3250
2. CONCRETE SURFACE SHALL RECEIVE HEAVY BROOM FINISH.

N.T.S.

CITY OF PALM DESERT

APPROVED BY:

DEPARTMENT OF PUBLIC WORKS

STD NO.

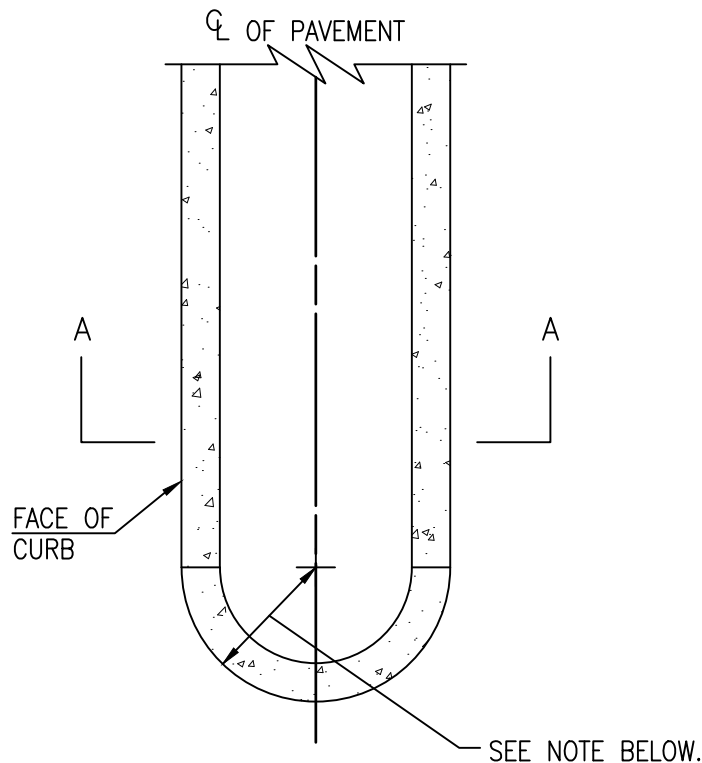
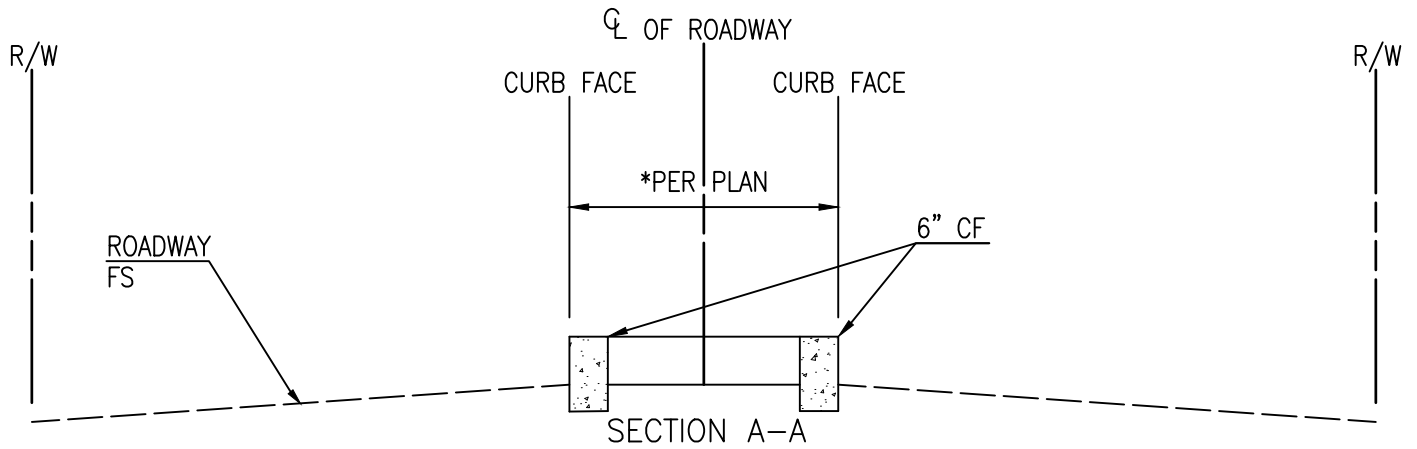


Martin Alvarez
MARTIN ALVAREZ
PUBLIC WORKS DIRECTOR

Feb 19, 2025
DATE

VALVE OPERATOR
WELL
INSTALLATION

508



NOTES:

1. MEDIAN DESIGN SHALL FOLLOW CALIFORNIA HIGHWAY DESIGN MANUAL.
SEE CITY OF PALM DESERT STANDARD 910 AND 911 FOR SIGNAGE PLACEMENT GUIDANCE.
 2. RADIUS AT MEDIAN BREAKS SHALL BE MINIMUM OF 10' WHEN MEDIAN TAPERING IS NOT REQUIRED.
 3. FOR MEDIAN TAPER (BAY TAPER) REFER TO CALIFORNIA HIGHWAY DESIGN MANUAL FOR DESIGN GUIDANCE, SUBJECT TO THE CITY ENGINEER APPROVAL.
 4. CURB SHALL BE CONSTRUCTED PER CITY OF PALM DESERT STD 400 OR 404, SUBJECT TO APPROVAL BY THE CITY ENGINEER.
- * FOR EL PASEO, 14 FT MEDIAN.

N.T.S.

CITY OF PALM DESERT

APPROVED BY:

DEPARTMENT OF PUBLIC WORKS

STD NO.

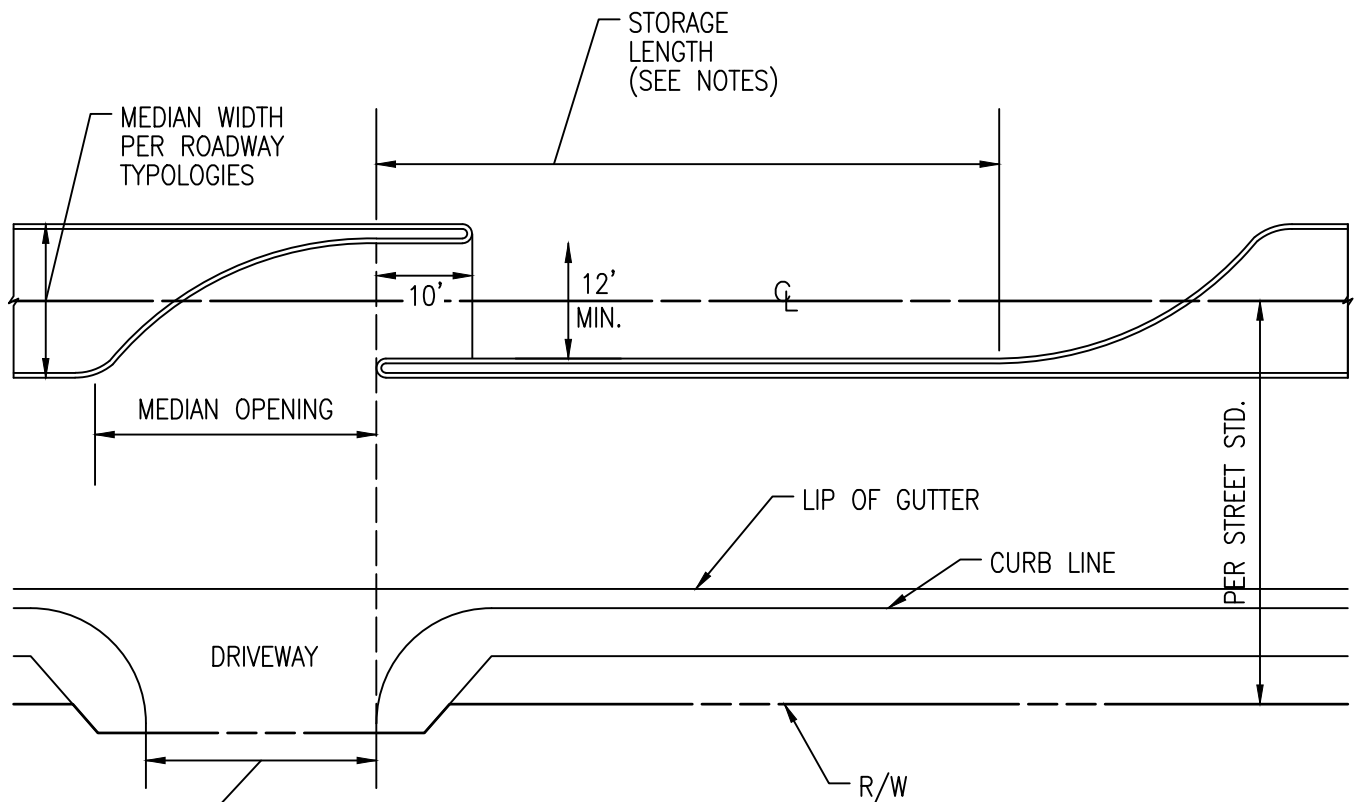


Martin Alvarez
MARTIN ALVAREZ
PUBLIC WORKS DIRECTOR

Feb 19, 2025
DATE

TYPICAL MEDIAN
CONSTRUCTION

600



PER CITY OF PALM DESERT
STANDARD 305 OR AS APPROVED
MODIFIED DESIGN.

TYPICAL CURB MEDIAN WIDTH PER ROADWAY TYPOLOGY

ENHANCED ARTERIAL, 18-FT
VEHICULAR ORIENTED ARTERIAL, 18 OR 20-FT
BALANCED ARTERIAL, 18-FT
ENHANCED SECONDARY ROADWAY, 18-FT
SECONDARY STREET, 14-FT
EL PASEO, 16-FT

NOTES:

1. DIRECTIONAL LEFT TURN MEDIAN BAY SHALL BE DESIGNED PER AASHTO STANDARDS AND IS SUBJECT TO APPROVAL BY THE CITY ENGINEER.
2. THE LENGTH OF BAY TAPER SHOULD BE SHORT TO CLEARLY DELINEATE THE LEFT TURN AND TO DISCOURAGE THROUGH TRAFFIC FROM DRIFTING TO THE LEFT TURN LANE. FOR URBAN AREAS, CONSIDER LENGTH OF 60 FEET AND 90 FEET PER CALIFORNIA HIGHWAY DESIGN MANUAL GUIDELINES. FINAL DESIGN IS SUBJECT TO THE CITY ENGINEER APPROVAL.
3. STORAGE LENGTH SHALL BE PER THE RECOMMENDATIONS OF A TRAFFIC ENGINEER AND SUBJECT TO THE CITY ENGINEER APPROVAL.
4. LENGTH OF MEDIAN OPENING SHALL BE MINIMIZED TO DISCOURAGE VEHICLES TO ENTER FROM OPPOSITE TRAFFIC DIRECTION, BUT AT LEAST THE SAME WIDTH AS THE CORRESPONDING DRIVE/OPENING. TRAFFIC DIRECTION.
5. TRUCK TURNING TEMPLATES SHALL BE SUBMITTED TO SHOW NO CONFLICT WITH DRIVEWAY OR MEDIAN STRUCTURES.
6. TURNING LANE WIDTH REDUCTION TO A MINIMUM OF 10 FEET WILL BE CONSIDERED FOR PROJECTS WHERE A 12-FOOT DESIGN IS NOT FEASIBLE, SUBJECT TO APPROVAL OF THE CITY ENGINEER.

N.T.S.

CITY OF PALM DESERT

APPROVED BY:

DEPARTMENT OF PUBLIC WORKS

STD NO.

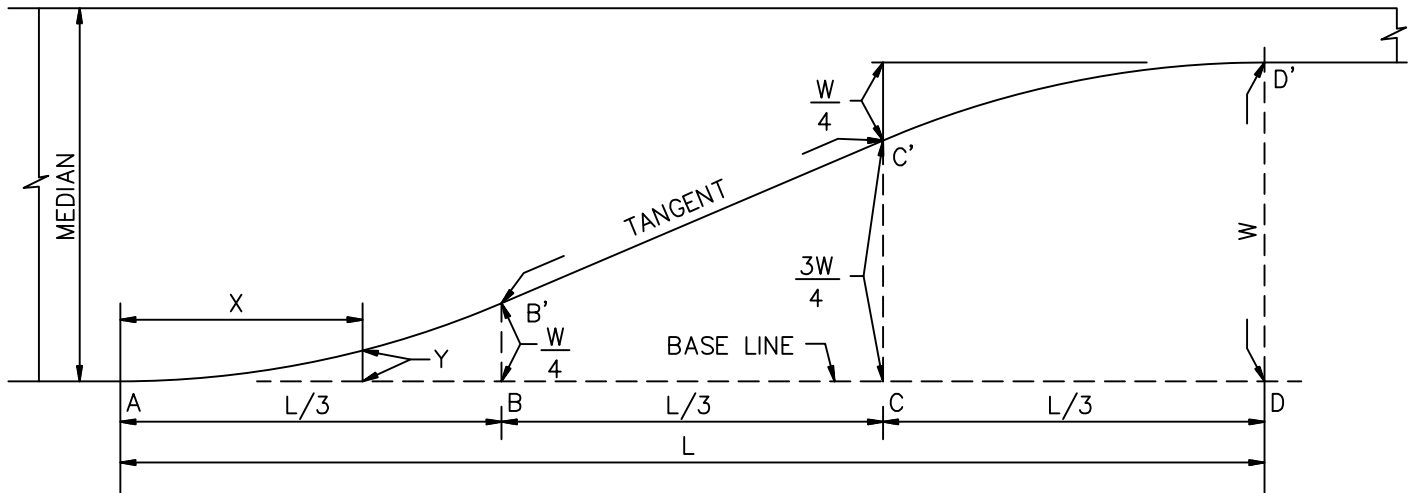


Martin Alvarez
MARTIN ALVAREZ
PUBLIC WORKS DIRECTOR

Feb 19, 2025
DATE

RESTRICTED
LEFT TURN MEDIAN
OPENING

601



$$Y = 2.25W \left(\frac{X}{L} \right)^2$$

L=LENGTH OF TAPER
W=MAXIMUM OFFSET DISTANCE
X=DISTANCE ALONG BASE LINE
Y=OFFSET FROM BASE LINE

L, ft	DISTANCE X, L/12 INCREMENTS, ft											
60'	5'	10'	15'	20'	25'	30'	35'	40'	45'	50'	55'	60'
72'	6'	12'	18'	24'	30'	36'	42'	48'	54'	60'	66'	72'
90'	7.5'	15'	22.5'	30'	37.5'	45'	52.5'	60'	67.5'	75'	82.5'	90'
120'	10'	20'	30'	40'	50'	60'	70'	80'	90'	100'	110'	120'
150'	12.5'	25'	37.5'	50'	62.5'	75'	87.5'	100'	112.5'	125'	137.5'	150'
W, ft	OFFSET Y, ft											
10'	0.16'	0.62'	1.41'	2.50'	3.75'	5.00'	6.25'	7.50'	8.59'	9.38'	9.84'	10.00'
11'	0.17'	0.69'	1.55'	2.75'	4.13'	5.50'	6.88'	8.25'	9.45'	10.31'	10.83'	11.00'
12'	0.19'	0.75'	1.69'	3.00'	4.50'	6.00'	7.50'	9.00'	10.31'	11.25'	11.81'	12.00'
19'	0.30'	1.19'	2.67'	4.75'	7.13'	9.50'	11.88'	14.25'	16.33'	17.81'	18.70'	19.00'
20'	0.31'	1.25'	2.81'	5.00'	7.50'	10.00'	12.50'	15.00'	17.19'	18.75'	19.69'	20.00'
21'	0.33'	1.31'	2.95'	5.25'	7.88'	10.50'	13.13'	15.75'	18.05'	19.69'	20.67'	21.00'
22'	0.34'	1.38'	3.09'	5.50'	8.25'	11.00'	13.75'	16.50'	18.91'	20.62'	21.66'	22.00'

NOTE:

TO DETERMINE OFFSET DISTANCE FOR ANY LENGTH OF TAPER USE THE FORMULA $Y = 2.25W \left(\frac{X}{L} \right)^2$ FOR THE PORTIONS A-B' AND C-D' WHICH ARE PARABOLIC CURVES. THE PORTION B'C' IS A TANGENT. WHEN THE BASE LINE IS CURVED, THE OFFSETS ARE APPLIED TO THE CURVED BASE LINE, AND B'C' IS NO LONGER A TANGENT.

N.T.S.

CITY OF PALM DESERT

APPROVED BY:

DEPARTMENT OF PUBLIC WORKS

STD NO.

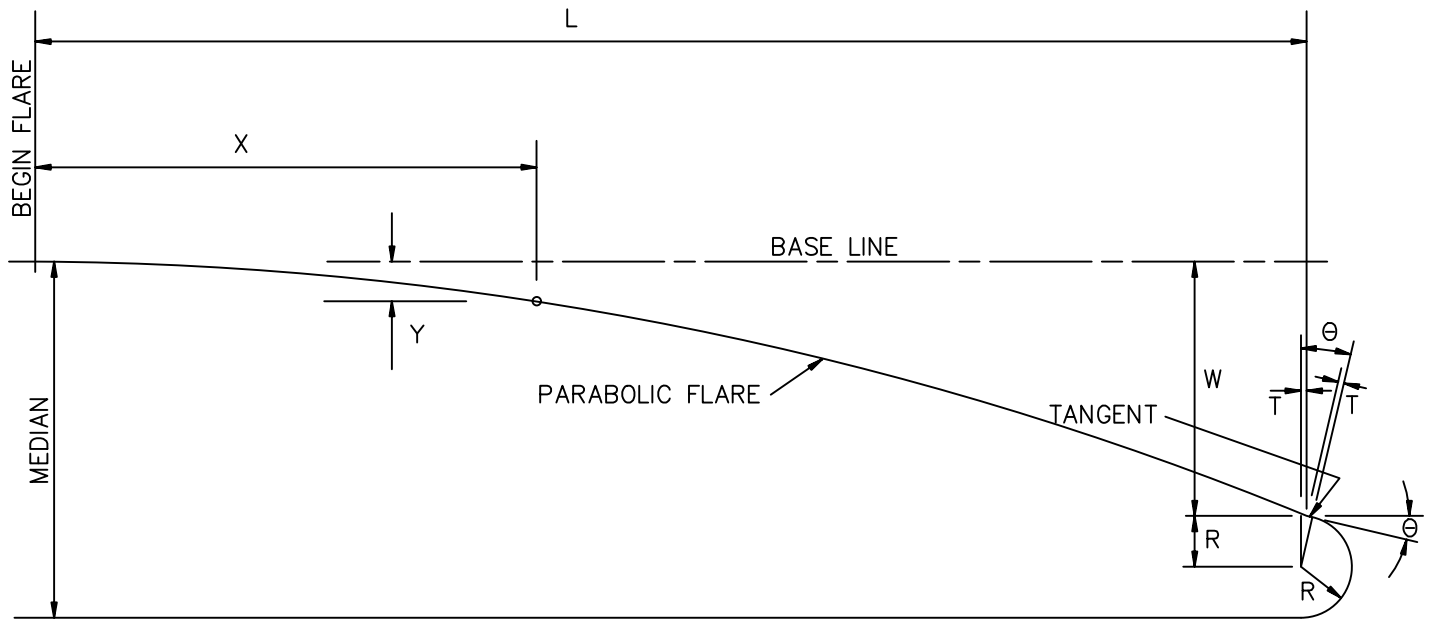


Martin Alvarez
MARTIN ALVAREZ
PUBLIC WORKS DIRECTOR

Feb 19, 2025
DATE

MEDIAN TAPER

602



L=LENGTH OF TAPER
W=MAXIMUM OFFSET DISTANCE
X=DISTANCE ALONG BASE LINE
Y=OFFSET FROM BASE LINE
T=TANGENT LENGTH
R=RADIUS OF NOSE
θ=MAXIMUM FLARE DEFLECTION ANGLE

$$Y = W \left(\frac{X}{L} \right)^2$$

$$\tan \theta = \frac{2W}{L}$$

$$T = R \tan \frac{\theta}{2}$$

IF STATION OF RADIUS POINT IS NOT
GIVEN ON PLAN, TANGENT DISTANCE
T MAY BE IGNORED

OFFSET Y, ft

L, ft	W, ft	X, ft													
		10'	15'	20'	25'	30'	40'	45'	50'	60'	70'	75'	80'	90'	100'
W/L = 1:5															
25'	5'	0.80'	1.80'	3.20'	5.00'										
50'	10'	0.40'	0.90'	1.60'	2.50'	3.60'	6.40'	8.10'	10.00'						
W/L = 1:10															
50'	5'	0.20'	0.45'	0.80'	1.25'	1.80'	3.20'	4.05'	5.00'						
100'	10'	0.10'	0.23'	0.40'	0.63'	0.90'	1.60'	2.03'	2.50'	3.60'	4.90'	5.63'	6.40'	8.10'	10.00'
W/L = 1:15															
45'	3'	0.15'	0.33'	0.59'	0.93'	1.33'	2.37'	3.00'							
75'	5'	0.09'	0.20'	0.36'	0.56'	0.80'	1.42'	1.80'	2.22'	3.20'	4.36'	5.00'			
90'	6'	0.07'	0.17'	0.30'	0.46'	0.67'	1.19'	1.50'	1.85'	2.67'	3.63'	4.17'	4.74'	6.00'	

N.T.S.

CITY OF PALM DESERT

APPROVED BY:

DEPARTMENT OF PUBLIC WORKS

STD NO.

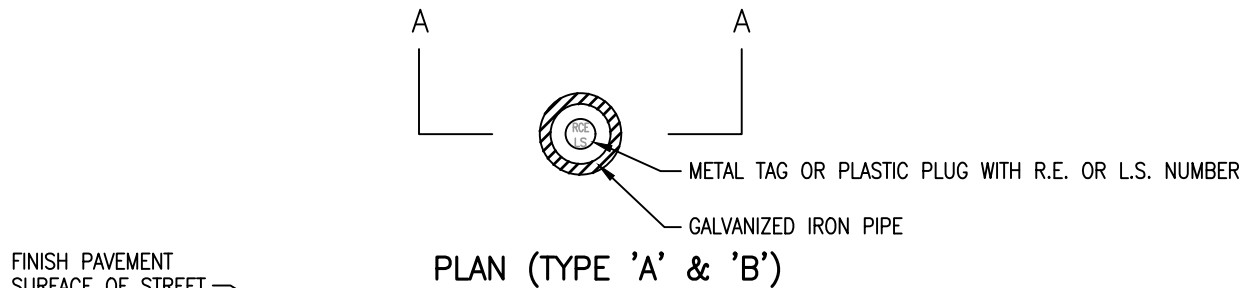


Martin Alvarez
MARTIN ALVAREZ
PUBLIC WORKS DIRECTOR

Feb 19, 2025
DATE

MEDIAN FLARE

603



FINISH PAVEMENT
SURFACE OF STREET

METAL TAG OR PLASTIC PLUG WITH R.E. OR L.S. NUMBER

GALVANIZED IRON PIPE

20d NAIL & STAMPED WASHER

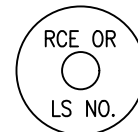
FINISH SUB-GRADE
OF STREET

VARIES

GROUND LEVEL FOR
TRACT BOUNDARY (IF
CORNER NOT IN STREET)

6"

COPPER TAG STAMPED WITH
R.E. OR L.S. NUMBER OR
STAMPED PLASTIC PLUG (SEE
DETAIL BELOW RIGHT)

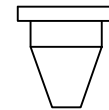


NAIL & COPPER TAG FIXED
IN CONCRETE SURFACE
PLAN (TYPE 'C')

24" X 2" MIN. I.D. GALVANIZED
IRON PIPE (SUBDIVISION
BOUNDARY MONUMENT TYPE 'A')

* FOR SECTION AND QUARTER SECTION
CORNERS THAT FALL IN ROADWAY
SEE STD. DWG. NO. 300B

24" X 3/4" MIN. I.D. GALVANIZED
IRON PIPE (LOT & PARCEL
CORNER MONUMENT TYPE 'B')



SECTION (TYPE 'B' ALTERNATIVE)
PLASTIC PLUG

SECTION A-A

NOTES:

1. SUBDIVISION BOUNDARY MONUMENT TYPE 'A' TO BE SET 6" BELOW FINISH SUB-GRADE IN ROADWAY OR FLUSH AT TRACT BOUNDARY CORNERS.
2. ALL LOT AND PARCEL CORNERS SHALL USE TYPE 'B' MONUMENTS SET AT PROPER GRADE WITH A COPPER DISC OR PLASTIC PLUG BEARING THE REGISTERED CIVIL ENGINEER OR LAND SURVEYOR NUMBER.
3. TYPE 'C' MONUMENT TO CONSIST OF LEAD PLUG OR STEEL PIN WITH COPPER IDENTIFICATION DISC SET IN CONCRETE CURB OR WALL. (SEE DETAIL ABOVE RIGHT.)

N.T.S.

CITY OF PALM DESERT

APPROVED BY:

DEPARTMENT OF PUBLIC WORKS

STD NO.



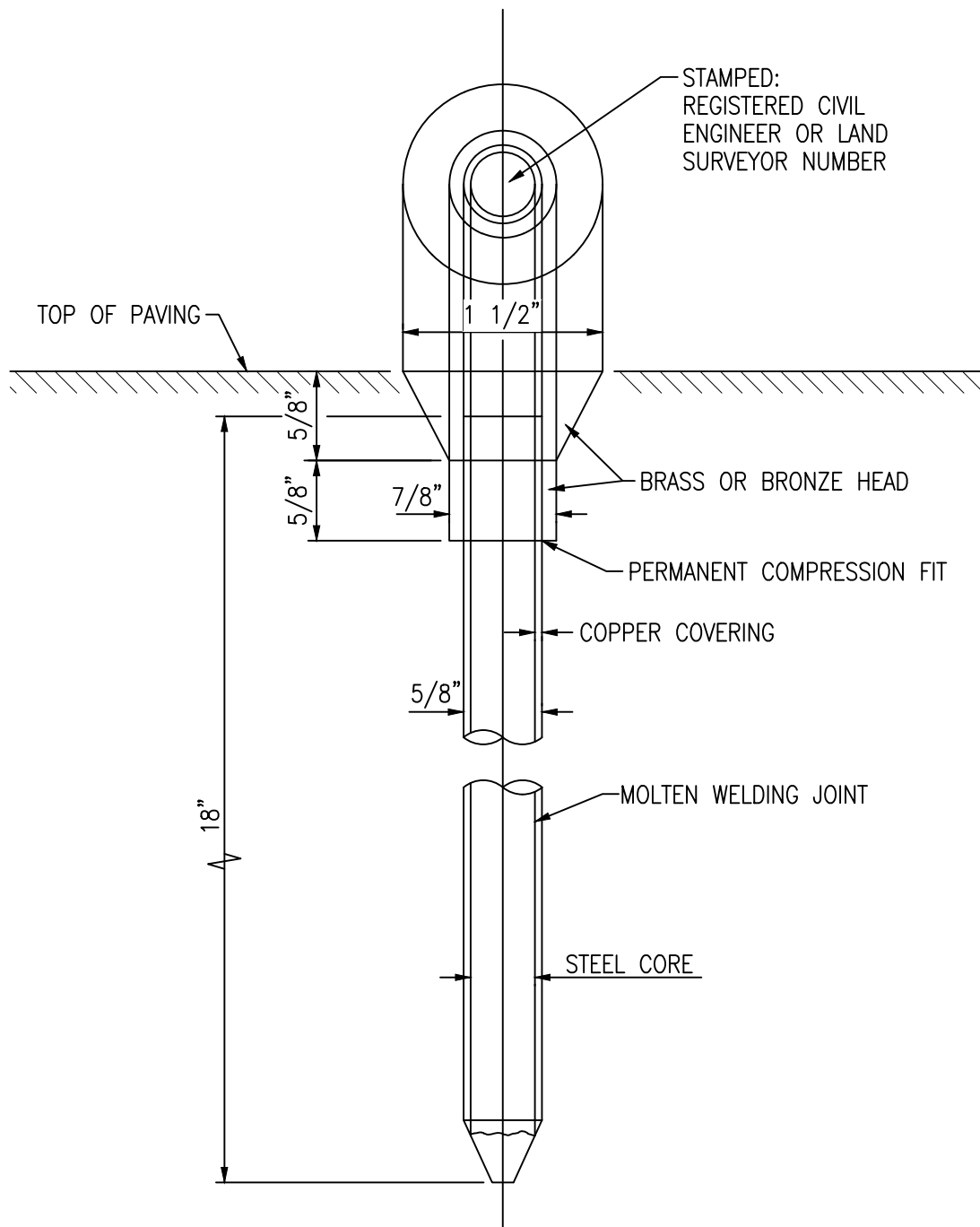
Martin Alvarez
MARTIN ALVAREZ
PUBLIC WORKS DIRECTOR

Feb 19, 2025

DATE

TYPE A, B, & C
MONUMENTS

700



N.T.S.

CITY OF PALM DESERT

APPROVED BY:

DEPARTMENT OF PUBLIC WORKS

STD NO.

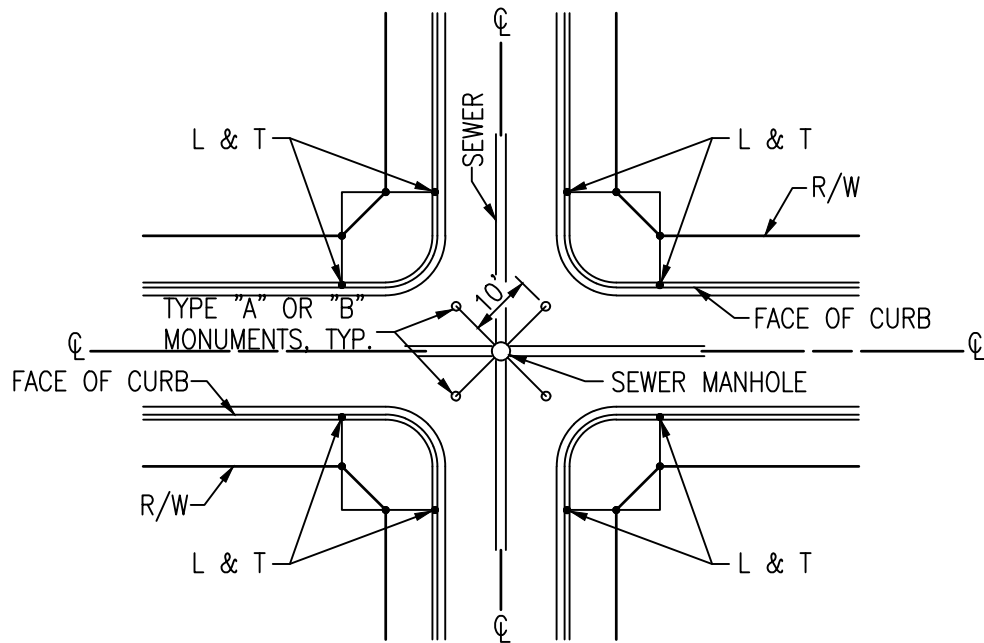


Martin Alvarez
MARTIN ALVAREZ
PUBLIC WORKS DIRECTOR

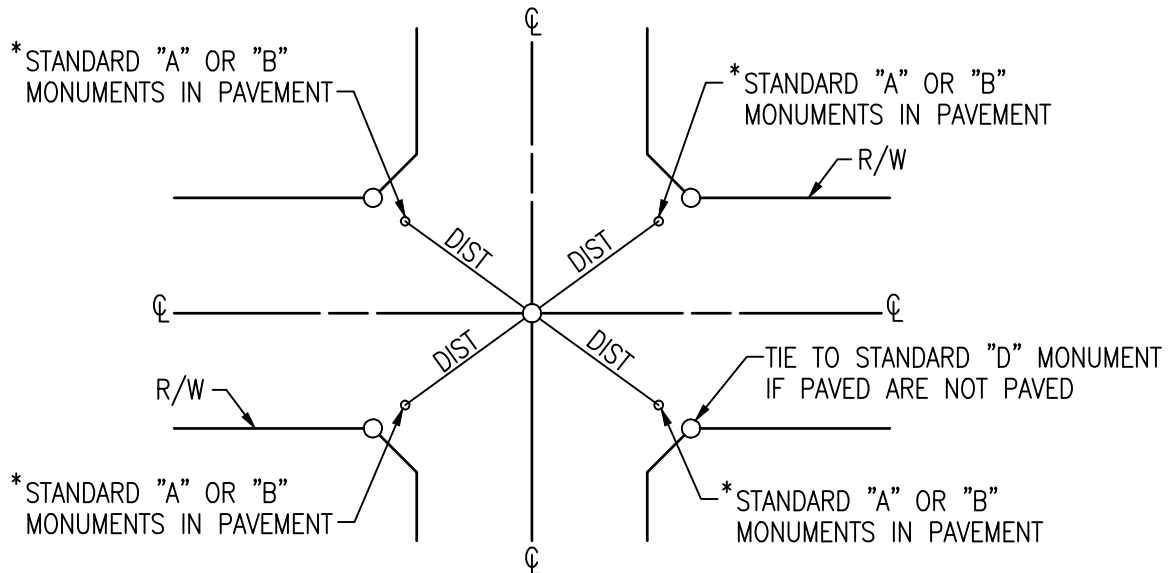
Feb 19, 2025
DATE

TYPE "B"
MONUMENT

701



MONUMENTING STREET CENTERLINES WHEN SEWERS ARE LOCATED ON CENTERLINE USING 10' CROSS TIES AND/OR SWING TIES



MONUMENTING STREET CENTERLINES WHERE CURBS ARE NOT REQUIRED

* SET TIE IN PAVEMENT IF RAW IS UNAVAILABLE.

NOTES:

1. L & T AS SHOWN HEREON INDICATES LEAD AND TACK OR STEEL PIN MONUMENT SET IN CURB.
2. LEAD AND TACK OR STEEL PIN MONUMENT WITNESS TO PROPERTY CORNER MAY BE SET, NOT REQUIRED.

N.T.S.

CITY OF PALM DESERT

APPROVED BY:

DEPARTMENT OF PUBLIC WORKS

STD NO.

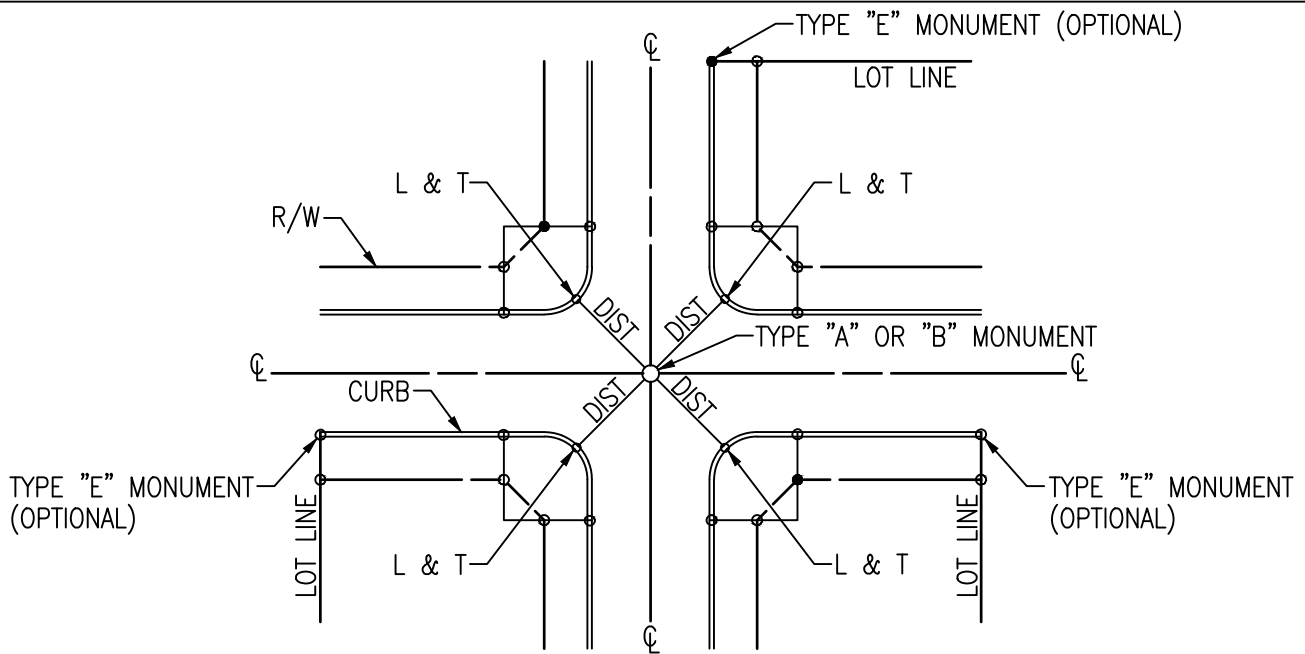


Martin Alvarez
MARTIN ALVAREZ
PUBLIC WORKS DIRECTOR

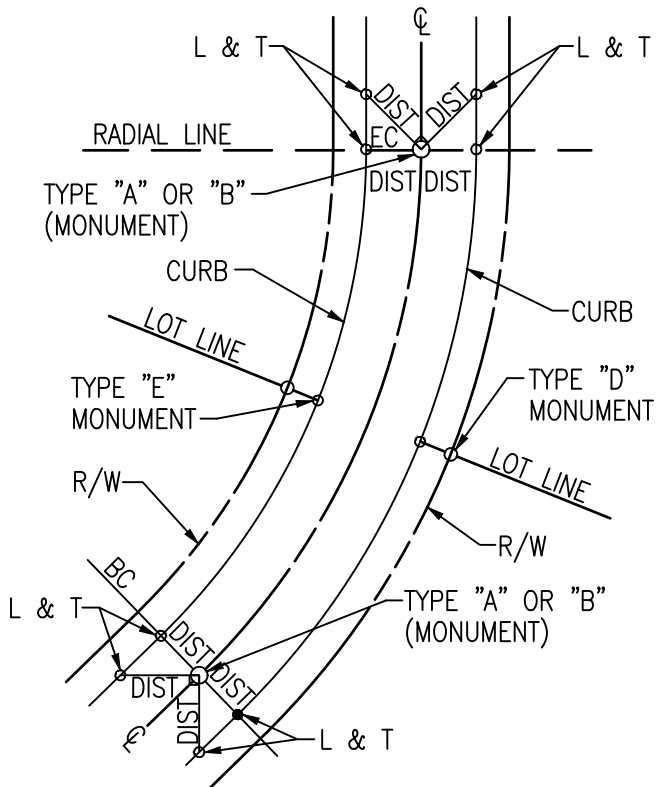
Feb 19, 2025
DATE

**TIE-OUT
STANDARDS**

702



**MONUMENTING STREET INTERSECTIONS
WHERE CURBS AND GUTTERS ARE INSTALLED**



**MONUMENTING
BEGINNING AND ENDING OF CURVE**

NOTES:

1. L & T AS SHOWN HEREON INDICATES A LEAD AND TACK OR STEEL PIN MONUMENT SET IN CONCRETE CURB.
2. A METAL IDENTIFICATION DISK SET WITH A LEAD AND TAG OR STEEL PIN MONUMENT WITNESS TO PROPERTY CORNER MAY BE SET ("E" MONUMENT), IN LIEU OF SETTING FRONT LOT CORNERS ("D" MONUMENT).
3. THE PI OF THE CURVE CENTERLINE OF A STREET MAY BE MONUMENTED IN LIEU OF EC & BC, IF THE PI FALLS WITHIN THE TRAVELED WAY. IT SHALL BE REFERENCED WITH L & T'S IN CURB.
4. TYING OUT BC'S AND EC'S WITH 90 DEGREE TIES INTO THE TANGENT.

N.T.S.

CITY OF PALM DESERT

APPROVED BY:

DEPARTMENT OF PUBLIC WORKS

STD NO.

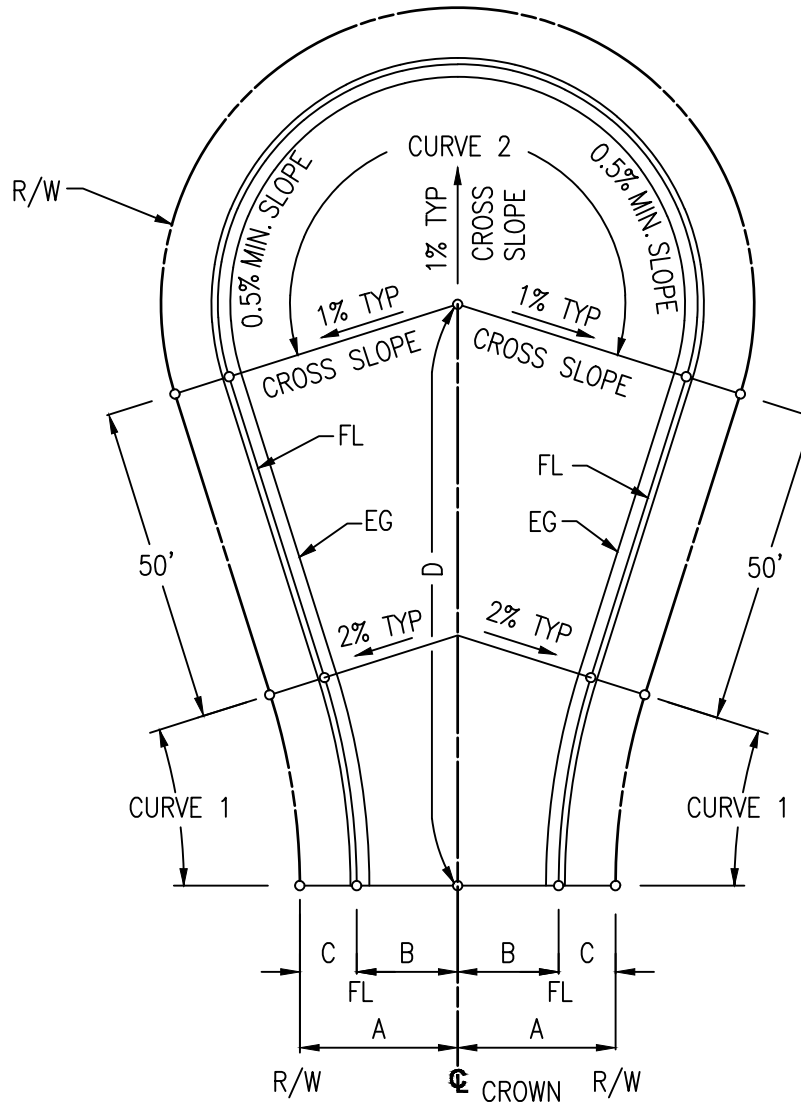


Martin Alvarez
MARTIN ALVAREZ
PUBLIC WORKS DIRECTOR

Feb 19, 2025
DATE

**STREET CENTERLINE
MONUMENT**

703



					CURVE 1					CURVE 2				
					△	FL		R/W		△	FL		R/W	
R/W	A	B	C	D		R	L	R	L		R	L	R	L
50'	25'	16'	9'	92.11'	17°36'01"	109'	33.48'	100'	30.72'	215°12'02"	38'	142.73'	47'	176.53'
56'	28'	18'	10'	89.55'	16°18'41"	110'	31.31'	100'	28.47'	212°37'22"	38'	141.02'	48'	178.12'
60'	30'	20'	10'	86.63'	15°00'38"	110'	28.82'	100'	26.20'	210°01'17"	38'	139.29'	48'	175.95'
66'	33'	22'	11'	83.74'	13°38'40"	111'	26.44'	100'	23.82'	207°17'21"	38'	137.48'	49'	177.28'
74'	37'	22'	15'	84.50'	13°34'05"	115'	27.23'	100'	23.68'	207°08'10"	38'	137.38'	53'	191.61'
78'	39'	28'	11'	95.39'	17°12'31"	111'	33.33'	100'	30.03'	214°25'02"	50'	187.11'	61'	228.28'
SCHEDULE "H"					CURVE 1—EDGE OF AGGREGATE BASE					CURVE 2—EDGE OF AGGREGATE BASE				
—	—	12'		90.00	21°02'30"	82.69'	30.37'	—	—	222°04'59"	38'	147.29'	—	—

N.T.S.

CITY OF PALM DESERT

APPROVED BY:

DEPARTMENT OF PUBLIC WORKS

STD NO.

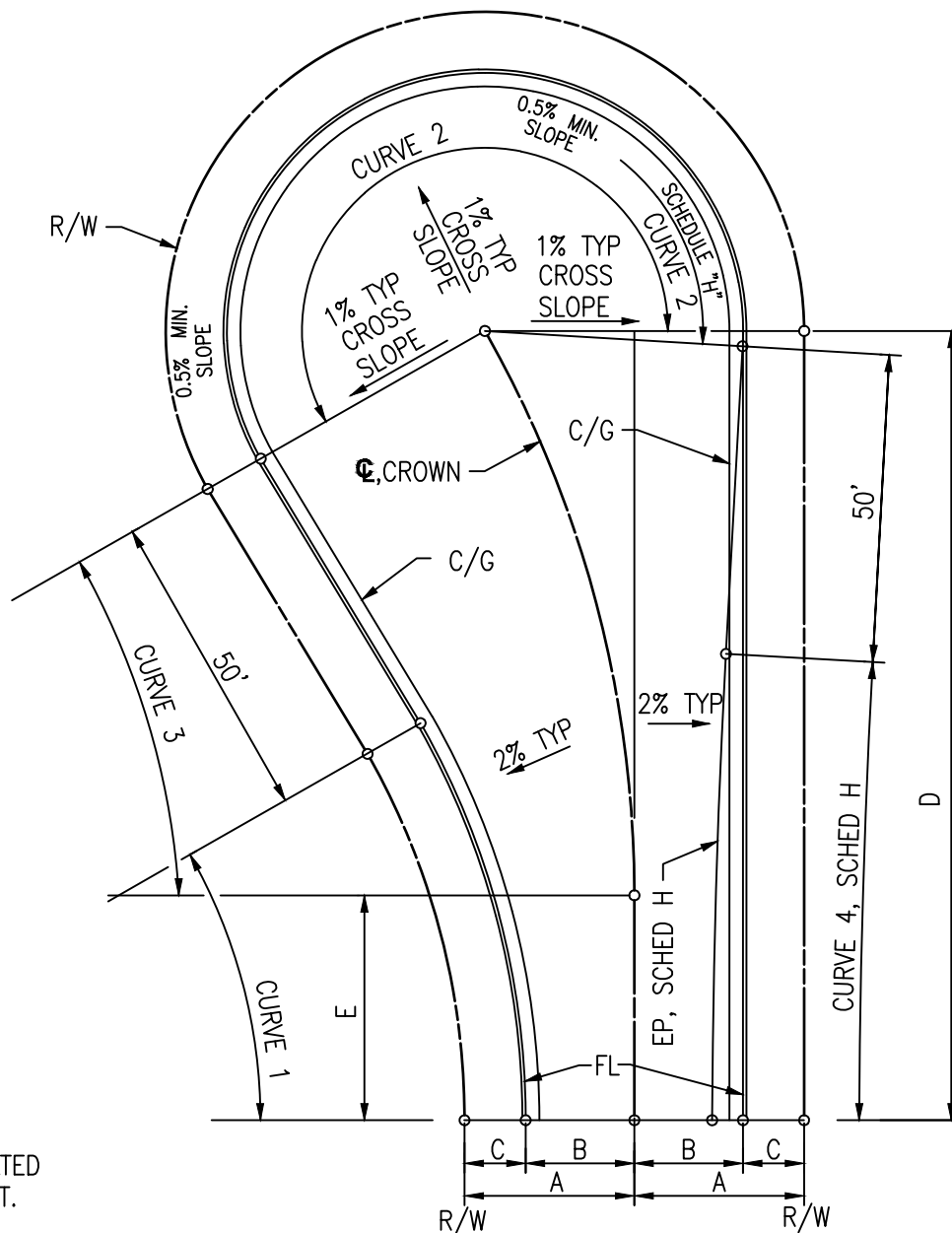


Martin Alvarez
MARTIN ALVAREZ
PUBLIC WORKS DIRECTOR

Feb 19, 2025
DATE

CUL-DE-SAC
(SYMMETRICAL)

800



OFFSET MAY BE LOCATED
EITHER LEFT OR RIGHT.

N.T.S.						CURVE 1					CURVE 2					CURVE 3		
						△	FL		R/W		△	FL		R/W		△	CROWN	
							R	L	R	L		R	L	R	L		R	L
R/W	A	B	C	D	E													
50'	25'	16'	9'	116.19'	32.00'	29°39'31"	109'	56.42'	100'	51.76'	209°39'31"	38'	139.05'	47'	171.98'	29°39'31"	170.14'	88.07'
56'	28'	18'	10'	112.87'	31.44'	27°35'48"	110'	52.98'	100'	48.17'	207°35'48"	38'	137.68'	48'	173.92'	27°35'47"	175.79'	84.67'
60'	30'	20'	10'	108.90'	29.45'	25°31'48"	110'	49.01'	100'	44.56'	205°31'48"	38'	136.31'	48'	172.18'	25°31'48"	184.35'	82.14'
66'	33'	22'	11'	104.94'	27.47'	23°20'19"	111'	45.21'	100'	40.73'	203°20'19"	38'	134.86'	49'	173.90'	23°20'19"	195.54'	79.65'
74'	37'	22'	15'	106.15'	28.08'	23°09'45"	115'	46.49'	100'	40.43'	203°09'45"	38'	134.74'	53'	187.93'	23°09'45"	198.48'	80.24'
78'	39'	28'	11'	121.38'	35.69'	28°47'56"	111'	55.79'	100'	50.26'	208°47'56"	50'	182.21'	61'	222.30'	28°47'56"	177.87'	89.41'
SCHEDULE "H"						CURVE 1—EDGE OF AB					CURVE 2—EDGE OF AB					CURVE 4—EDGE OF AB		
—	—	12'		113.58'	31.79'	31°24'45"	98.05'	55.47'	—	—	215°36'50"	38'	143.00'	—	—	4°12'05"	831.70'	60.99'

CITY OF PALM DESERT

APPROVED BY:



Martin Alvarez
MARTIN ALVAREZ
PUBLIC WORKS DIRECTOR

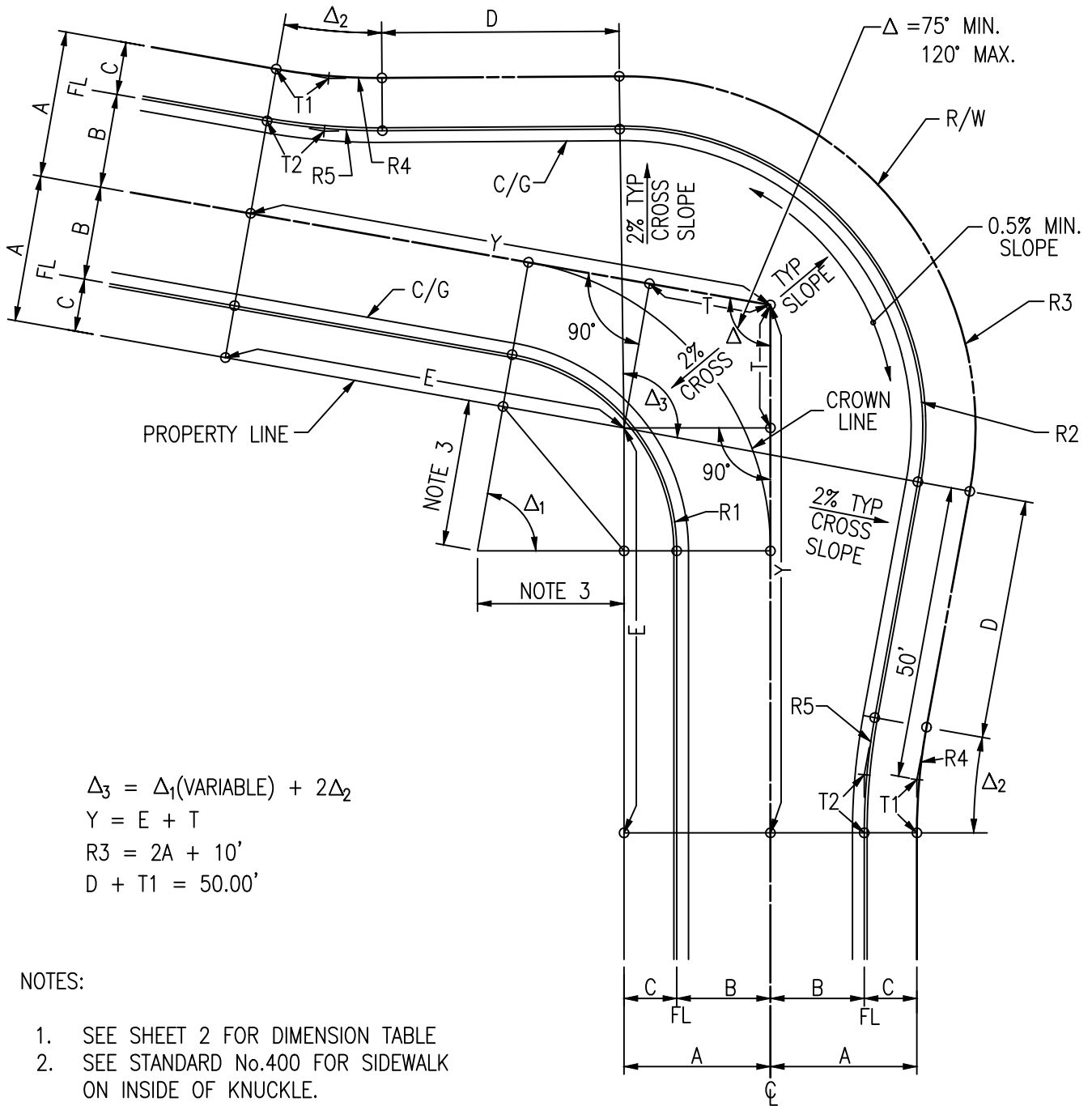
Feb 19, 2025
DATE

DEPARTMENT OF PUBLIC WORKS

STD NO.

CUL—DE—SAC
(ASYMMETRICAL)

801



N.T.S.

CITY OF PALM DESERT

APPROVED BY:

DEPARTMENT OF PUBLIC WORKS

STD NO.



Martin Alvarez
 MARTIN ALVAREZ
 PUBLIC WORKS DIRECTOR

Feb 19, 2025

DATE

KNUCKLE

802

SHEET 1 OF 2

KNUCKLE DIMENSION TABLE

R/W	ROADWAY IMPROVEMENT WIDTH	A	B	C	D	E	R1	R2	R3	Δ_2	R4	T1	R5	T2
50'	32'	25'	16'	9'	40.91'	69.09'	35'	51'	60'	10°23'19"	100'	9.09'	109'	9.91'
56'	36'	28'	18'	10'	40.99'	70.00'	35'	56'	66'	10°17'48"	100'	9.01'	110'	9.91'
60'	40'	30'	20'	10'	41.04'	70.60'	35'	60'	70'	10°14'12"	100'	8.96'	110'	9.85'
66'	44'	33'	22'	11'	41.12'	71.49'	36'	65'	76'	10°08'58"	100'	8.88'	111'	9.86'
74'	44'	37'	22'	15'	41.22'	72.66'	40'	69'	84'	10°02'13"	100'	8.88'	115'	10.10'
78'	56'	39'	28'	11'	41.27'	73.23'	36'	77'	88'	9°58'58"	100'	8.73'	111'	9.69'

N.T.S.

CITY OF PALM DESERT

APPROVED BY:

DEPARTMENT OF PUBLIC WORKS

STD NO.

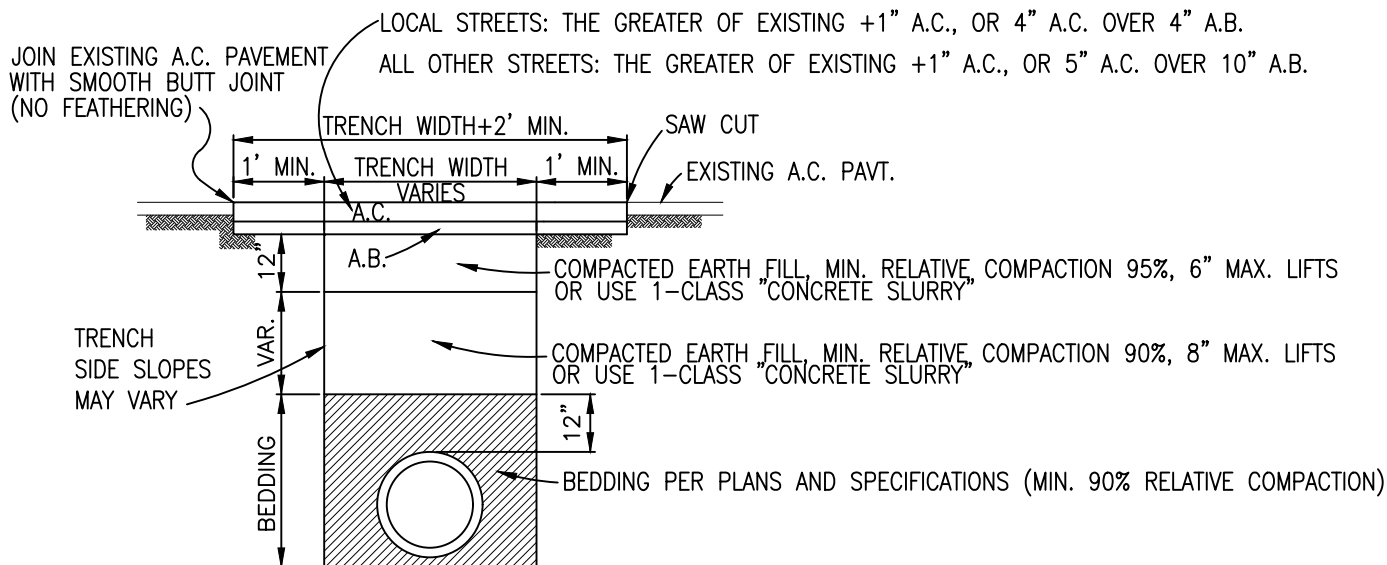


Martin Alvarez
MARTIN ALVAREZ
PUBLIC WORKS DIRECTOR

Feb 19, 2025
DATE

KNUCKLE

802
SHEET 2 OF 2



"T-TRENCH" DETAIL
NOT TO SCALE

NOTE:

AN ALTERNATIVE SECTION MAY BE CONSIDERED. PROPOSED DESIGN SHALL BE SIGNED BY A LICENSED ENGINEER AND IS SUBJECT TO APPROVAL OF THE CITY ENGINEER.

TRANSVERSE TRENCH CUTS

- 0" TO 12" WIDE – REPAIR TRENCH WIDTH ONLY (NO "T-TRENCH")
- 12" TO 24" WIDE – REPAIR TRENCH WIDTH PLUS ADDITIONAL 1' "T" ON BOTH SIDES
- >24" WIDE – REPAIR TRENCH WIDTH PLUS ADDITIONAL 1' "T" ON BOTH SIDES PLUS GRIND/OVERLAY 0.1' MIN. DEPTH FOR AN ADDITIONAL 3' ON BOTH SIDES


LONGITUDINAL TRENCH CUTS IN DRIVING LANES

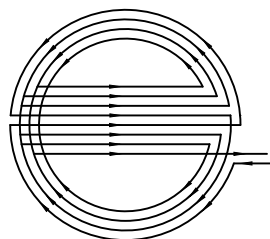
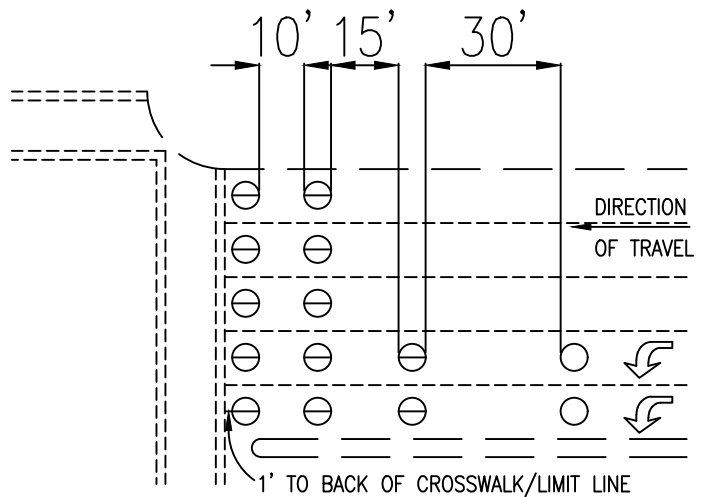
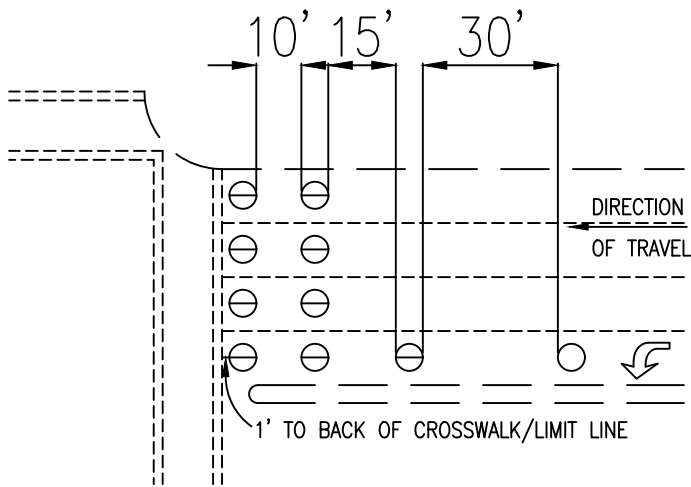
- 0" TO 12" WIDE – REPAIR TRENCH WIDTH ONLY (NO "T-TRENCH") PLUS 0.1' GRIND AND OVERLAY FROM LANE LINE TO LANE LINE
 - 12" TO 24" WIDE – REPAIR TRENCH WIDTH PLUS ADDITIONAL 1' "T" ON BOTH SIDES PLUS 0.1' GRIND/OVERLAY FROM LANE LINE TO LANE LINE
 - >24" WIDE – REPAIR TRENCH WIDTH PLUS ADDITIONAL 1' "T" ON BOTH SIDES PLUS GRIND/OVERLAY 0.1' MIN. FROM LANE LINE TO LANE LINE
- FOR CAP, MILL CL TO LIP OF GUTTER, OR LANE LINE TO LIP OF GUTTER 0.1'

SHOULDER TRENCH CUTS

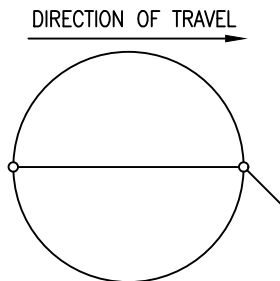
- AT EDGE OF GUTTER – REPAIR TRENCH WIDTH ONLY (NO "T-TRENCH")
 - OFF EDGE OF GUTTER – NO LESS THAN 5' "FLOATER" BETWEEN TRENCH AND GUTTER
- SLURRY OR FOG SEAL MAY BE REQUIRED UNLESS THE ROADWAY IS A DESIGNATED BIKE ROUTE, WHICH WOULD REQUIRE A 0.1' THICK GRIND/OVERLAY FROM EDGE OF GUTTER TO LANE LINE.

N.T.S.

	CITY OF PALM DESERT APPROVED BY: <i>Martin Alvarez</i> MARTIN ALVAREZ PUBLIC WORKS DIRECTOR Feb 19, 2025 DATE	DEPARTMENT OF PUBLIC WORKS UTILITY TRENCH PAVEMENT REPLACEMENT	STD NO. 803
			N.T.S.



WINDING DETAIL



SAWCUT DETAIL

6' DIAMETER UNLESS OTHERWISE SPECIFIED ON THE PLAN

TYPE E MODIFIED

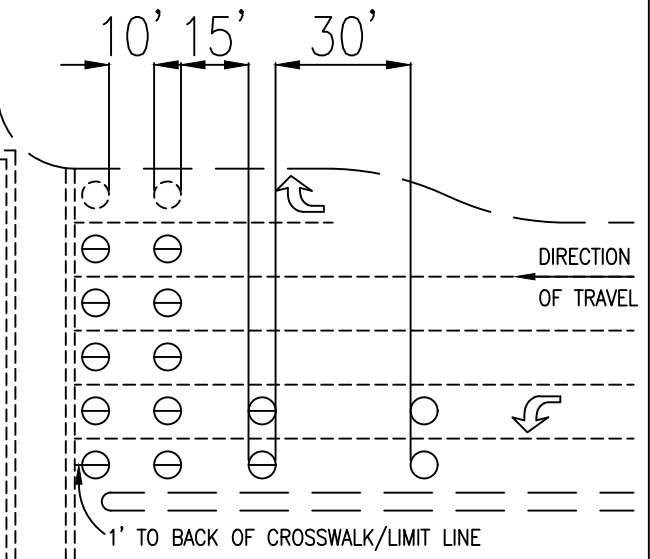
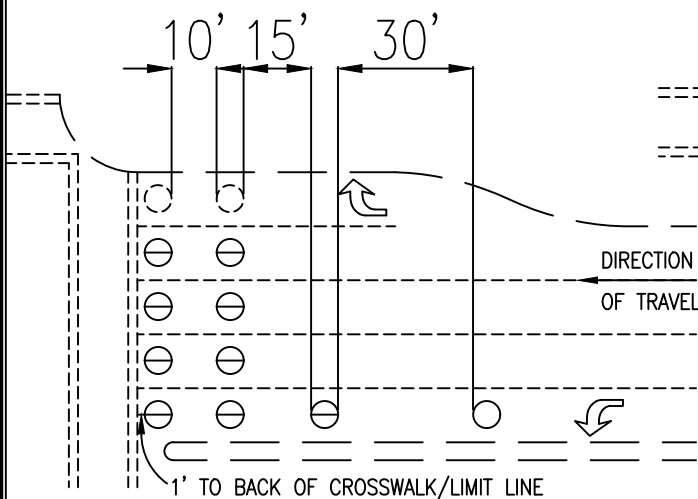
⊖ – TYPE E MODIFIED LOOP SHALL BE WRAPPED A MINIMUM OF 4 TURNS

- NOTES
1. HOME RUN SAW CUTS WILL BE LAID-OUT IN THE FIELD.
 2. RE-CUT LOOPS IN RIGHT TURN POCKETS, IF EXISTING.

⊖ – TYPE E MODIFIED LOOP

○ – TYPE E LOOP

⊙ – TYPE E, RE-CUT IF EXISTING



NOTE:
ABOVE DETAILS DEPICTS 3 THROUGH
APPROACH LANES. ACTUAL NUMBER OF
THROUGH APPROACH LANES MAY VARY.

N.T.S.

CITY OF PALM DESERT

APPROVED BY:

DEPARTMENT OF PUBLIC WORKS

STD NO.

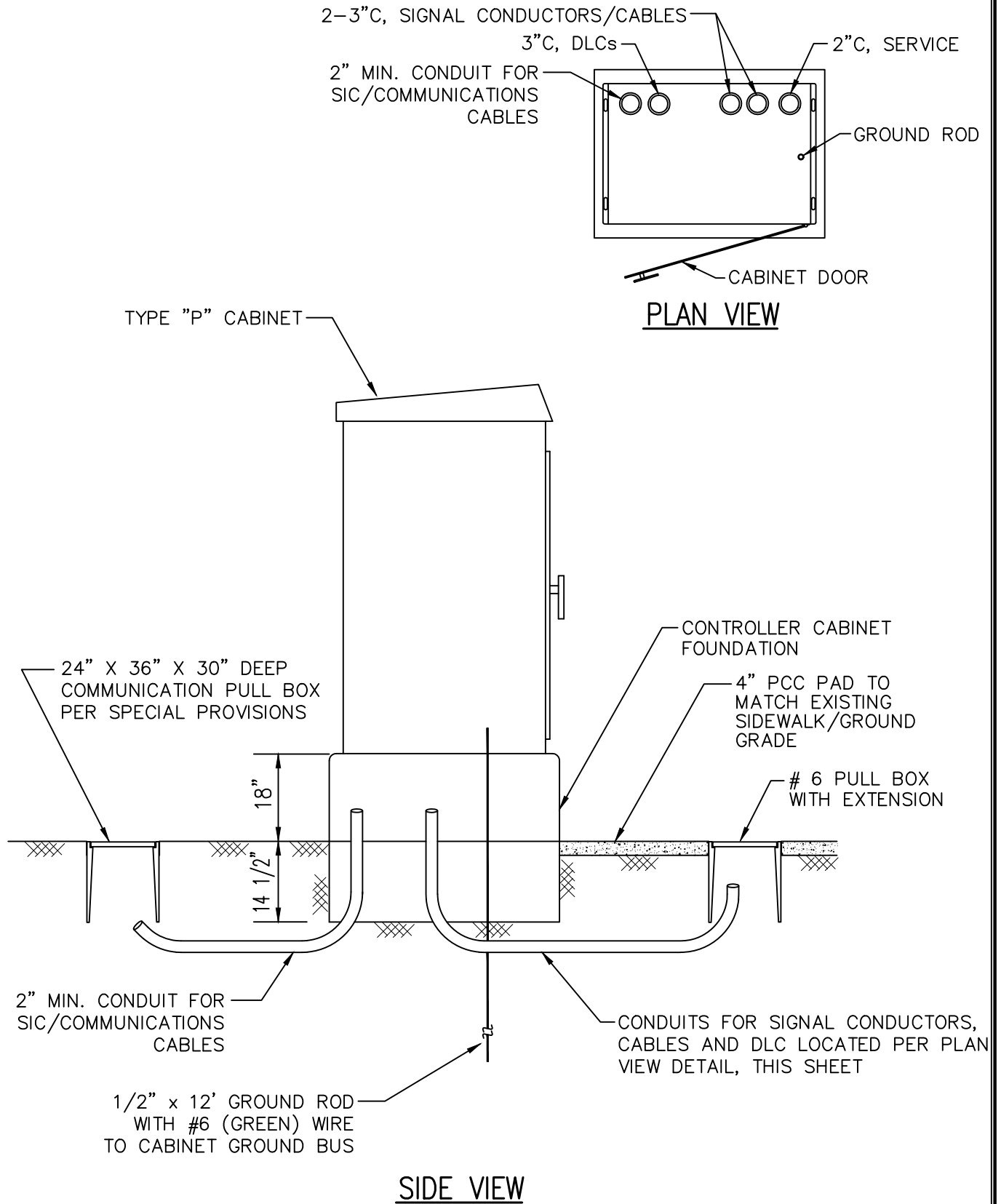


Martin Alvarez
MARTIN ALVAREZ
PUBLIC WORKS DIRECTOR

Feb 19, 2025
DATE

TYPICAL LOOP
DETECTOR

900



N.T.S.

CITY OF PALM DESERT

APPROVED BY:

DEPARTMENT OF PUBLIC WORKS

STD NO.

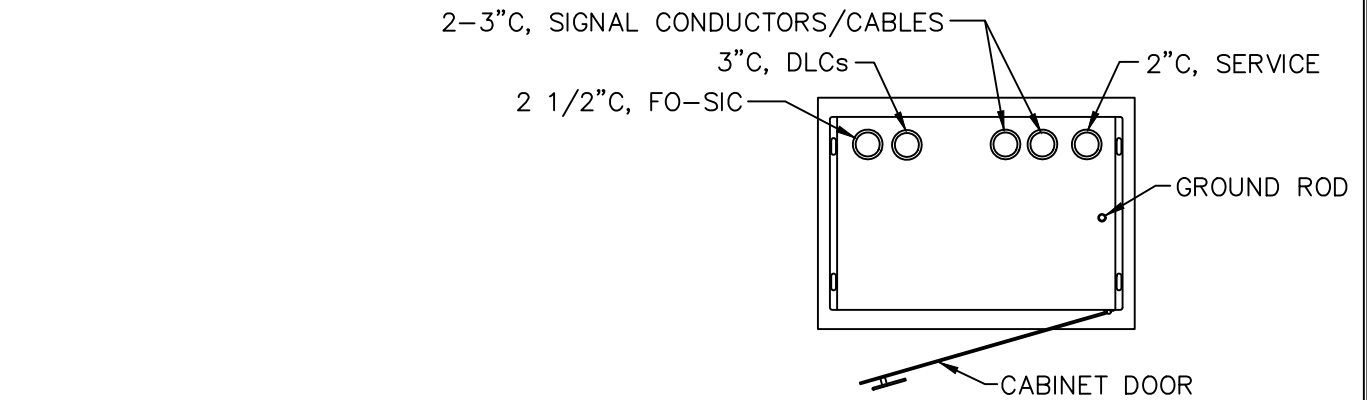


Martin Alvarez
MARTIN ALVAREZ
PUBLIC WORKS DIRECTOR

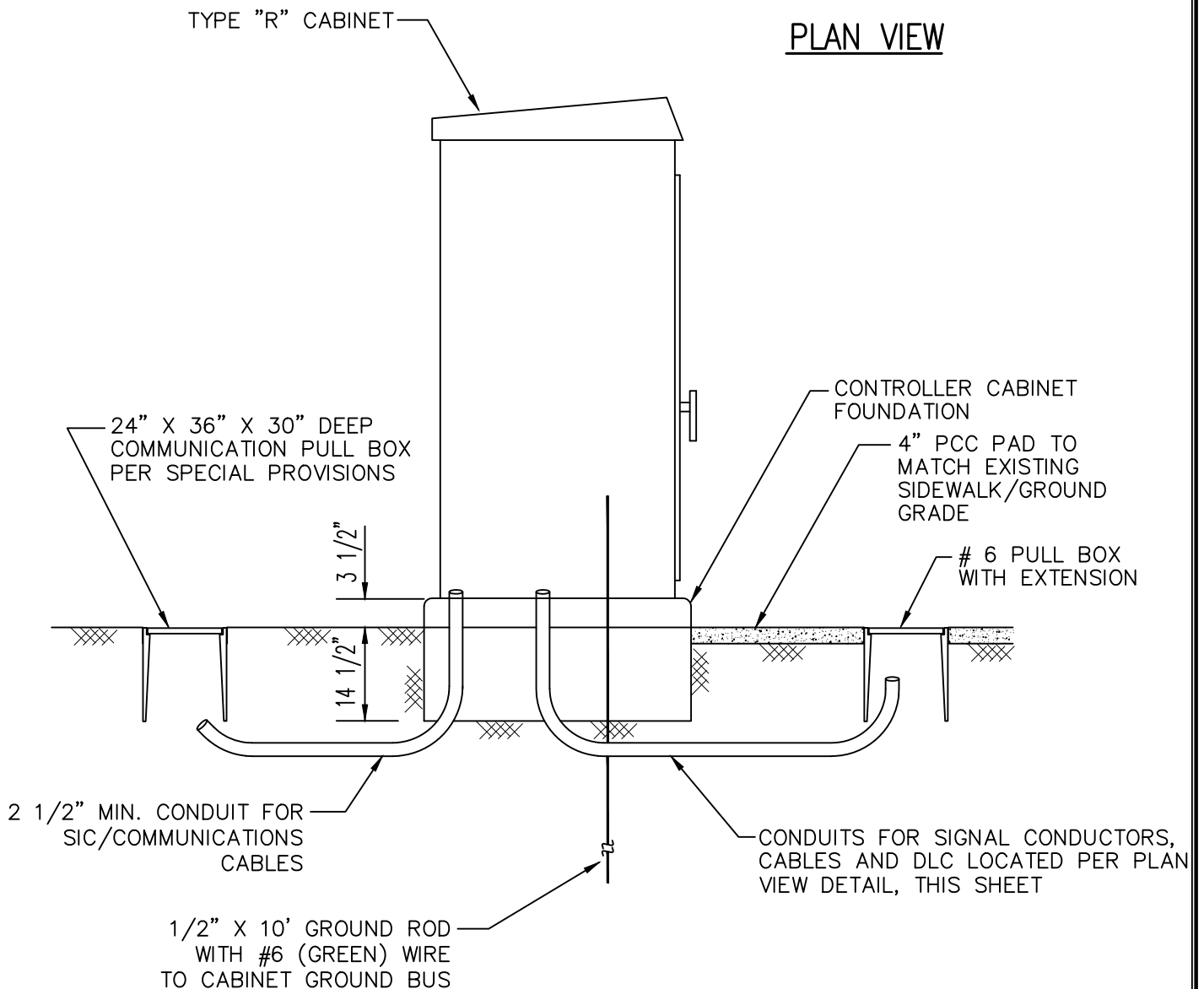
Feb 19, 2025
DATE

TYPE "P" CONTROLLER
ASSEMBLY
DETAIL

901



PLAN VIEW



SIDE VIEW

N.T.S.

CITY OF PALM DESERT

APPROVED BY:

DEPARTMENT OF PUBLIC WORKS

STD NO.

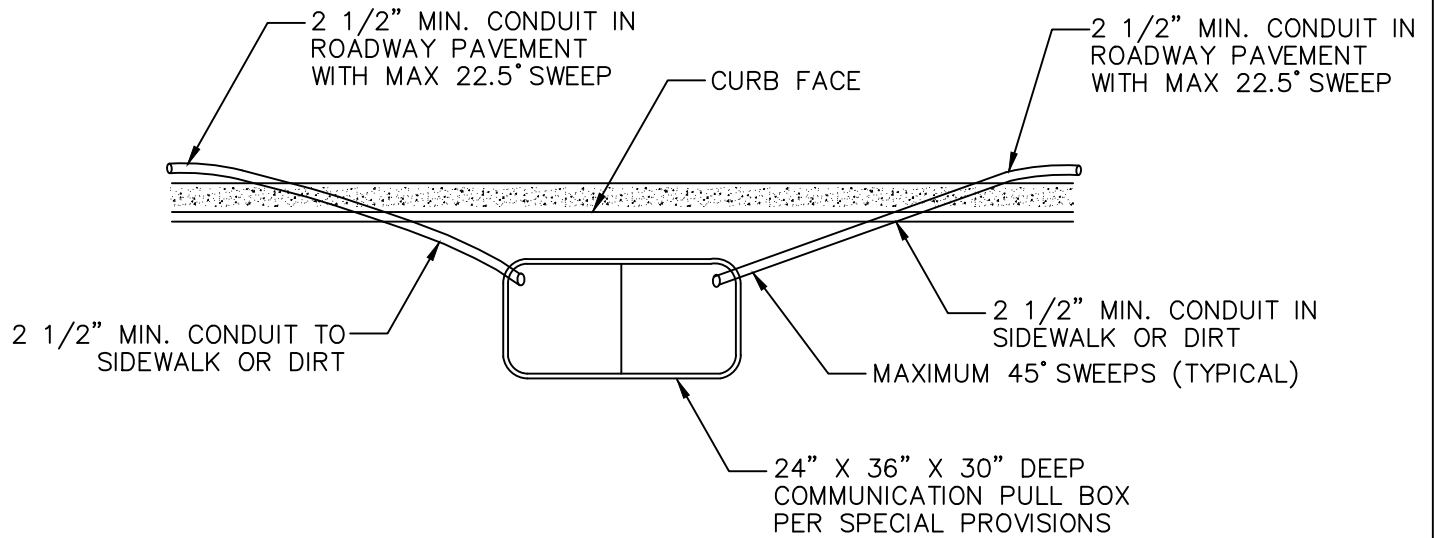


Martin Alvarez
MARTIN ALVAREZ
PUBLIC WORKS DIRECTOR

Feb 19, 2025
DATE

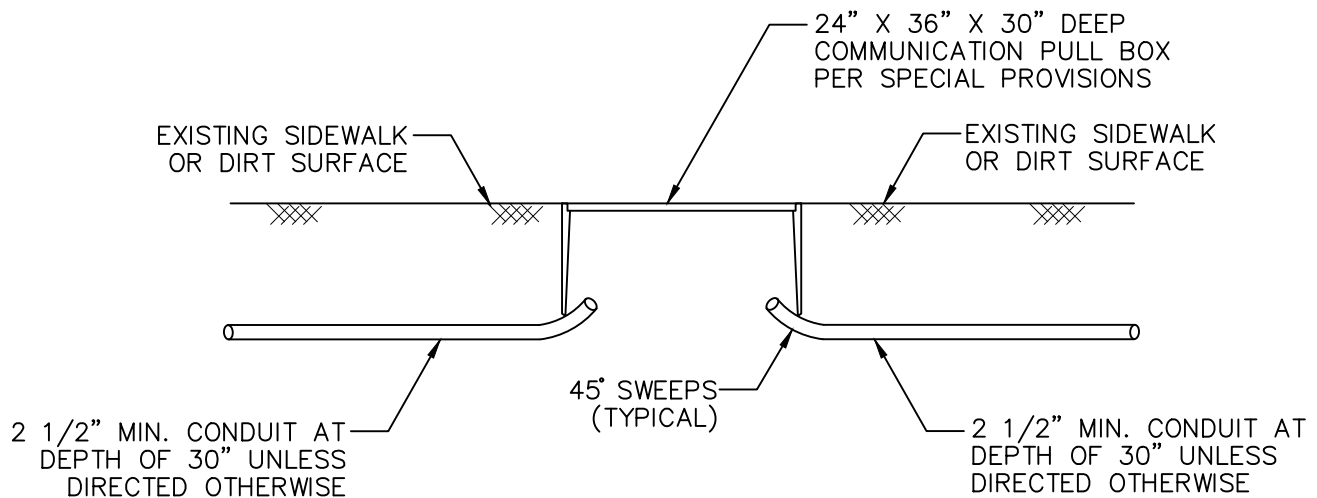
TYPE "R" CONTROLLER
ASSEMBLY
DETAIL

902



PLAN VIEW

2 1/2" CONDUIT OR
AS STATED IN PLANS



SIDE VIEW

N.T.S.

CITY OF PALM DESERT

APPROVED BY:

DEPARTMENT OF PUBLIC WORKS

STD NO.

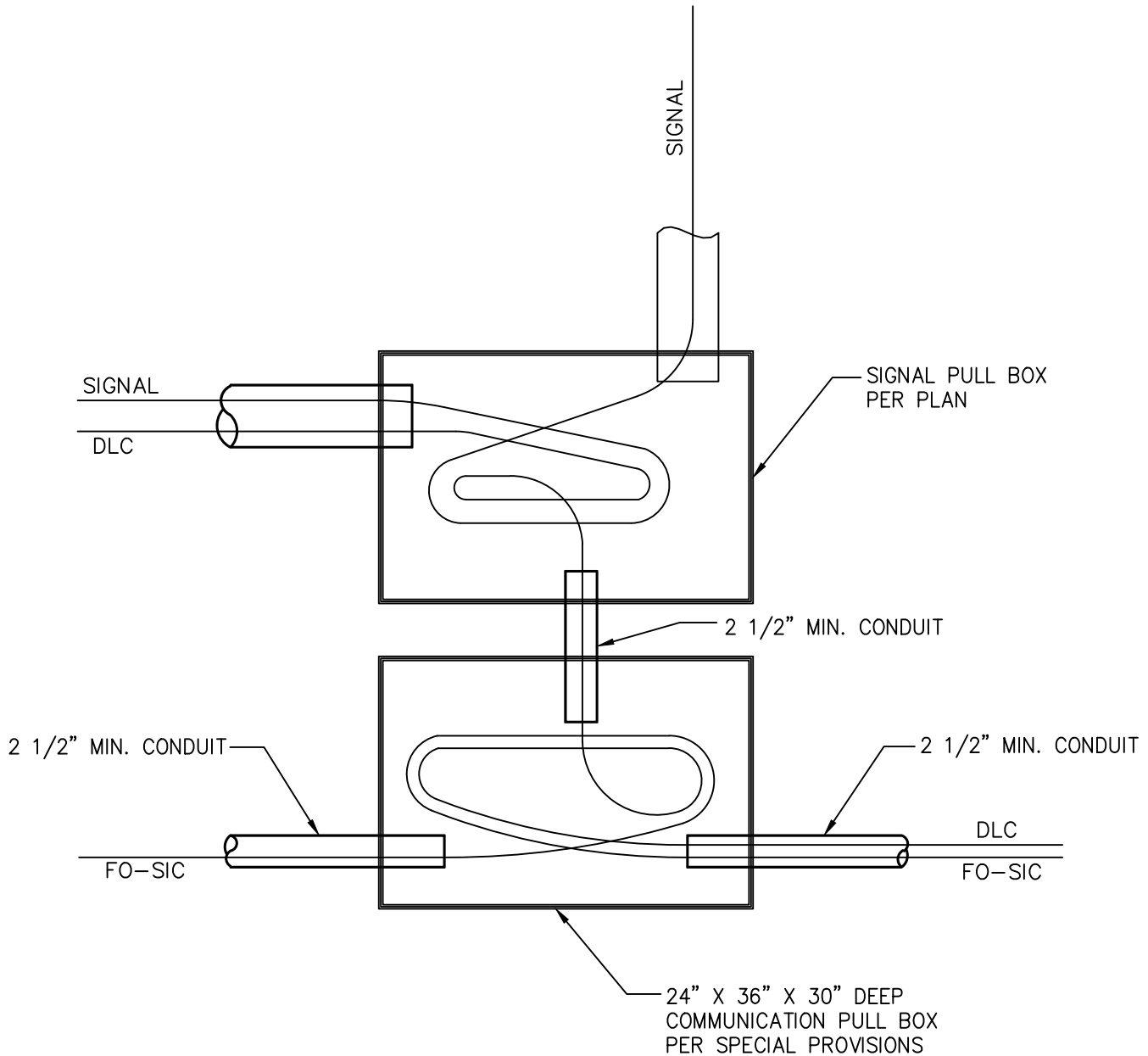


Martin Alvarez
MARTIN ALVAREZ
PUBLIC WORKS DIRECTOR

Feb 19, 2025
DATE

INTERCONNECT
PULL BOX
DETAILS

903



NOTE

1. CONDUIT, CONDUCTORS AND PULLBOXES SHALL BE PER THE PLAN.
2. THIS DETAIL IS SCHEMATIC. FIELD CONDITIONS MAY REQUIRE VARIED CONFIGURATIONS.
3. SIGNAL AND FO-SIC CONDUCTORS MUST BE ISOLATED FROM EACH OTHER.

FO-SIC — FIBER OPTIC SIGNAL INTERCONNECT.

N.T.S.

CITY OF PALM DESERT

APPROVED BY:

DEPARTMENT OF PUBLIC WORKS

STD NO.

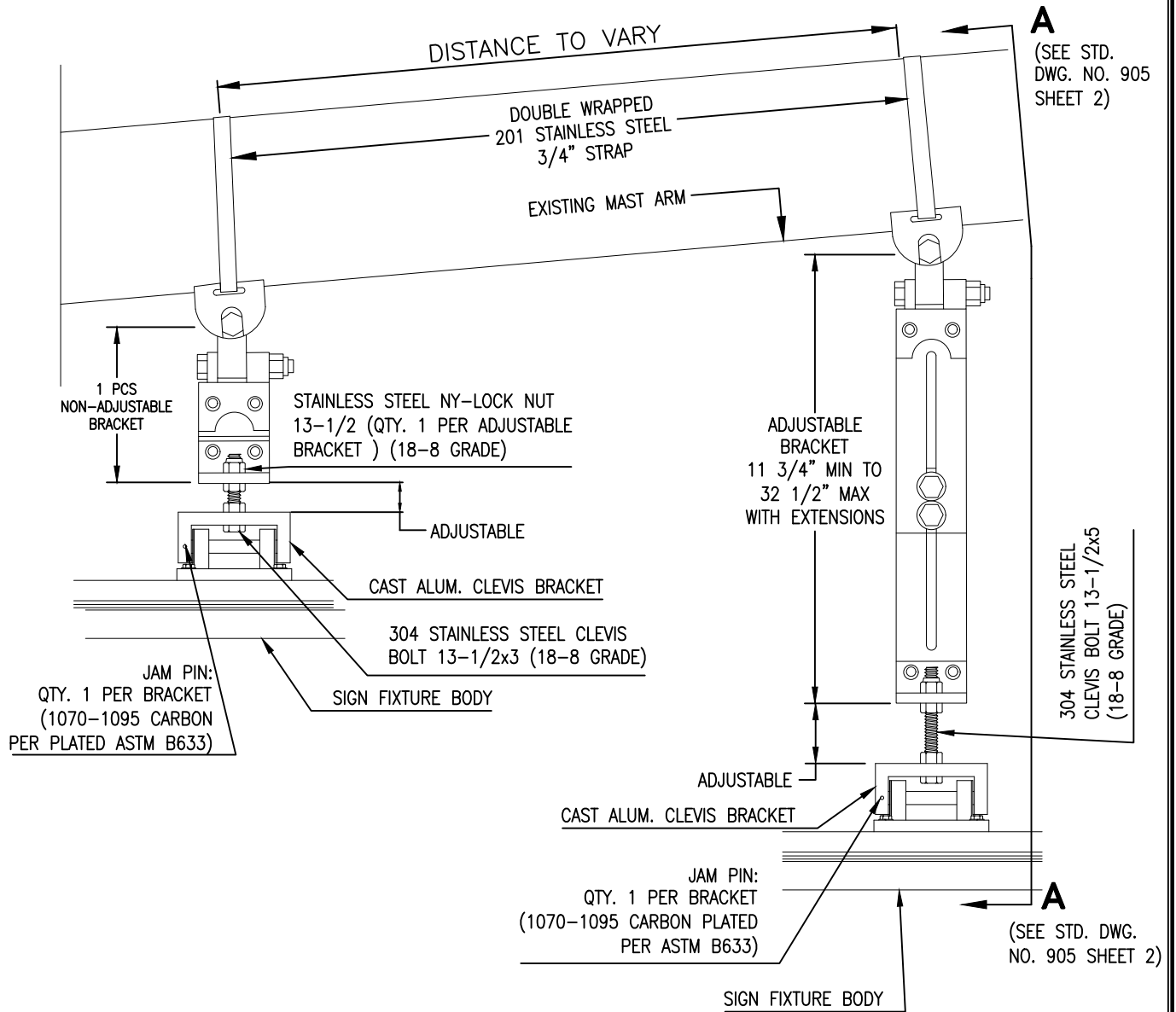


Martin Alvarez
MARTIN ALVAREZ
PUBLIC WORKS DIRECTOR

Feb 19, 2025
DATE

FO-SIC ISOLATION
DETAIL

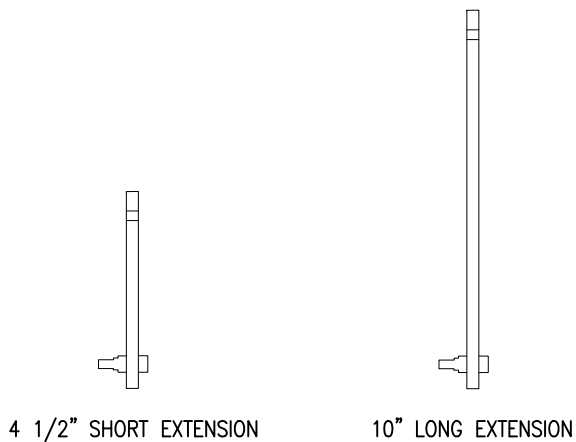
904



A
(SEE STD.
DWG. NO. 905
SHEET 2)

304 STAINLESS STEEL
CLEVIS BOLT 13-1/2x5
(18-8 GRADE)

A
(SEE STD. DWG.
NO. 905 SHEET 2)



N.T.S.

CITY OF PALM DESERT

APPROVED BY:

DEPARTMENT OF PUBLIC WORKS

STD NO.

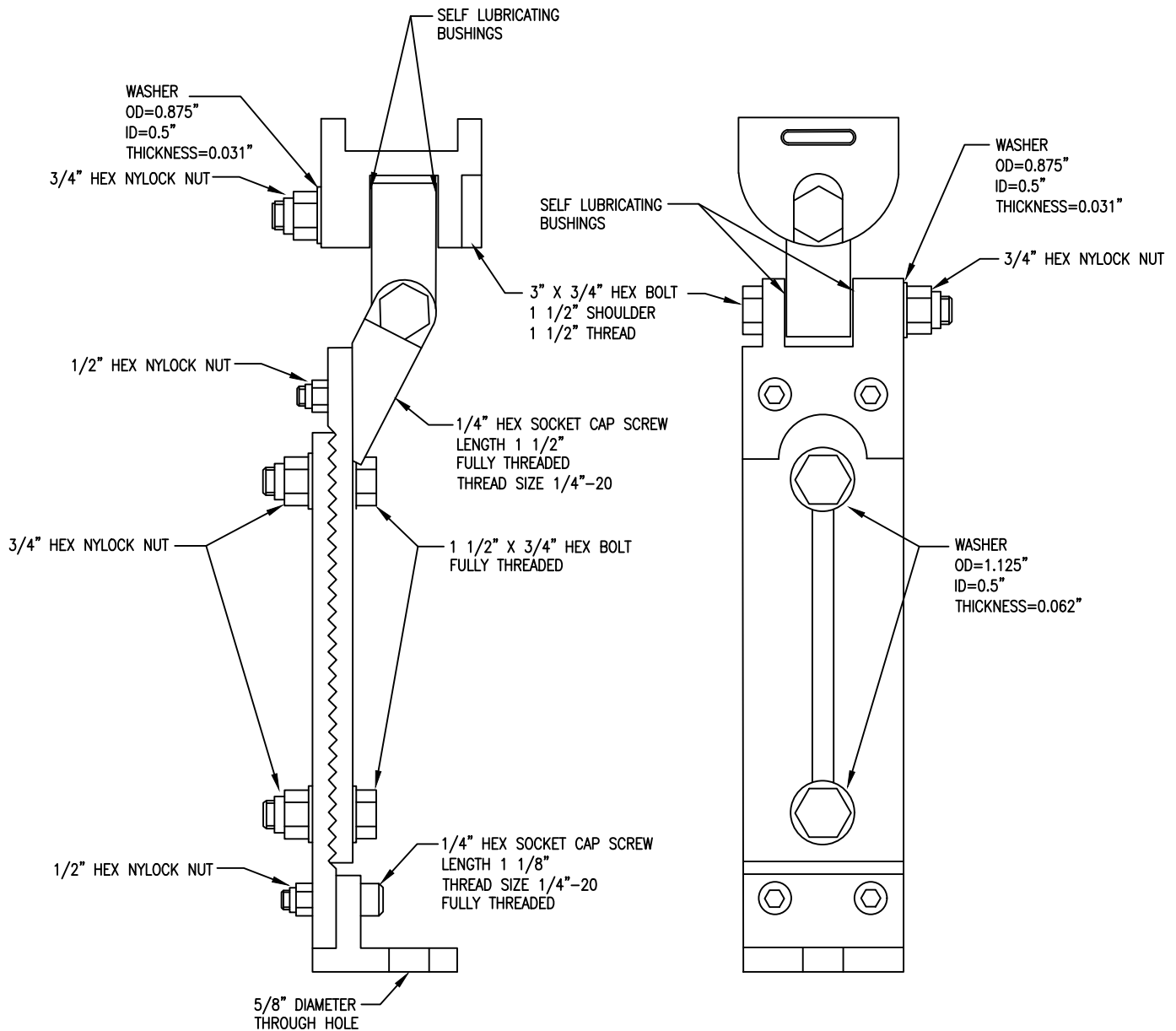


Martin Alvarez
MARTIN ALVAREZ
PUBLIC WORKS DIRECTOR

Feb 19, 2025
DATE

IISNS MOUNTING
DETAIL

905
SHEET 1 OF 2



SECTION A-A

NOTES

ALL MATERIAL SHALL BE 6061-T6 ALUMINUM OR BETTER.
 ALL HARDWARE SHALL BE STAINLESS STEEL.
 ALL NUTS SHALL BE STAINLESS STEEL NYLOCK.
 10" AND 4 1/2" EXTENSIONS SHALL BE PROVIDED WITH EACH BRACKET SET AND INSTALLED AS NEEDED.
 BRACKET SET SHALL BE PER STD. DWG. NO. 905 SHEET 1.

N.T.S.

CITY OF PALM DESERT

APPROVED BY:

DEPARTMENT OF PUBLIC WORKS

STD NO.

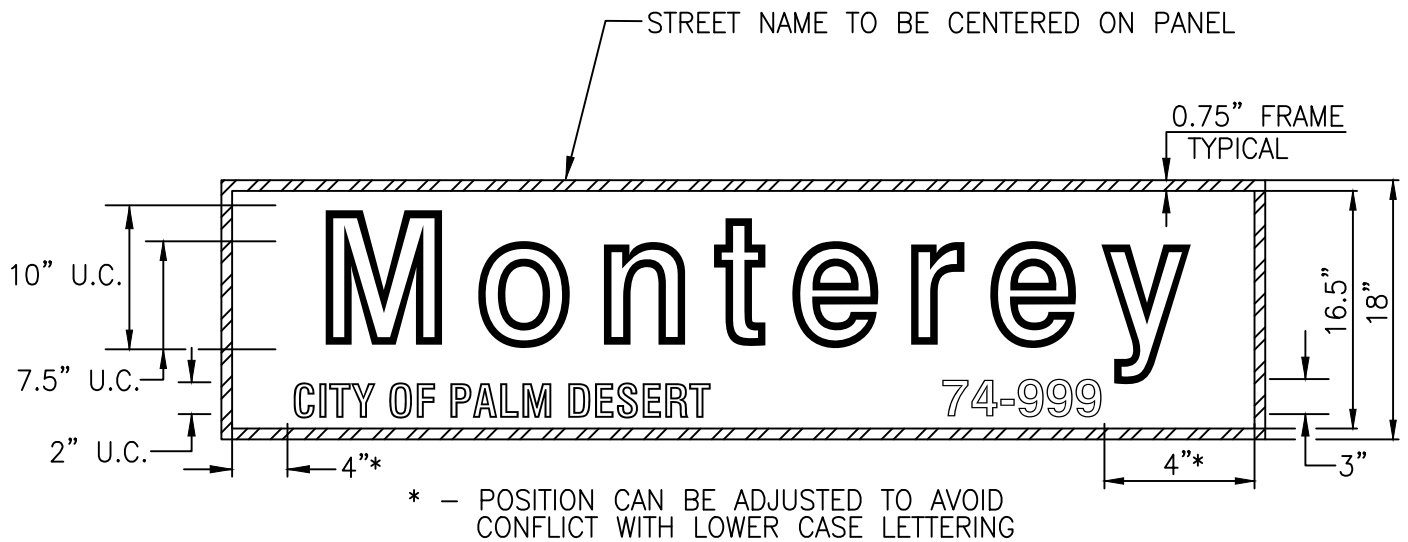


Martin Alvarez
 MARTIN ALVAREZ
 PUBLIC WORKS DIRECTOR

Feb 19, 2025
 DATE

IISNS MOUNTING
 DETAIL

905
 SHEET 2 OF 2



STANDARD PANEL


NOTES:

- 1) SIGNS SHALL BE TYPE "A" PER 2010 STATE STANDARD SPECIFICATIONS SECTION 86-6.09 AND 2010 STATE STANDARD PLAN #ES-7P EXCEPT ALL REFERENCE TO FLUORESCENT LAMP AND BALLAST ILLUMINATION IS AMENDED TO READ:

"INTERNAL ILLUMINATION OF SIGN SHALL BE DONE THROUGH ILLUMICOM LED RETROFIT KIT OR NATIONAL SIGNAL MATRIX LED RETROFIT KIT. THE LED LIGHT ENGINE LIFE SHALL BE RATED FOR A MINIMUM OF 50,000 HOURS, WITH SPARE PERIOD OF FIVE YEARS FROM DATE OF PURCHASE. THE EQUIPMENT SHALL HAVE A DATE OF MANUFACTURE AS PART OF THE SERIAL NUMBER. ALL UNITS PROVIDED SHALL HAVE A MANUFACTURE DATE CODE OF NO MORE THAN 6 MONTHS FROM DATE OF DELIVERY. THE LED LIGHT SHALL BE UNIFORMLY DISTRIBUTED ACROSS THE SIGN PANELS. STRIPING OR PIXILATION OF SIGN PANEL SHALL NOT BE VISIBLE. ENERGY SAVINGS SHALL BE AT A MINIMUM OF 60% OF STANDARD T12 FLUORESCENT LIGHTING TYPICALLY FOUND ON IISNS."

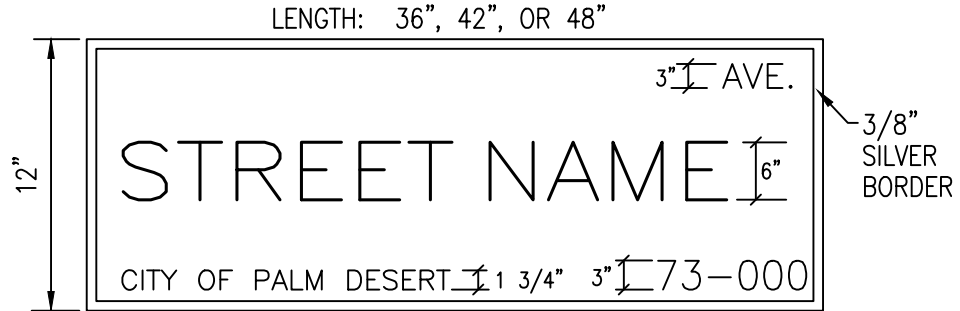
- 2) PANELS SHALL BE FOR EITHER 72" OR 96" HOUSING AS REQUIRED.
- 3) SIGN FACE SHALL BE CONSTRUCTED PER 2010 STATE STANDARD SPECIFICATIONS SECTION 86-6.09.
- 4) WHITE LETTERING ON GREEN BACKGROUND. NO BORDER. LETTER AND NUMBER SIZES AS SPECIFIED ABOVE.
- 5) ILLUMINATED STREET NAME SIGNS SHALL NOT DISPLAY A SUFFIX, (I.E.: ST., DR., CIR., ETC.) EXCEPT AS DIRECTED BY THE ENGINEER OR AS NOTED ON THE PLANS.
- 6) HWY. SERIES "E" LETTERING PREFERRED EXCEPT SERIES "C" OR "D" MAY BE USED IF NEEDED. LETTER SPACING MAY BE ADJUSTED TO AVOID LOWER CASE LETTERING CONFLICTS.

N.T.S.

CITY OF PALM DESERT 	APPROVED BY: <i>Martin Alvarez</i> MARTIN ALVAREZ PUBLIC WORKS DIRECTOR Feb 19, 2025 DATE	DEPARTMENT OF PUBLIC WORKS INTERNALLY ILLUMINATED STREET NAME SIGNS	STD NO. 906
--	--	--	--------------------

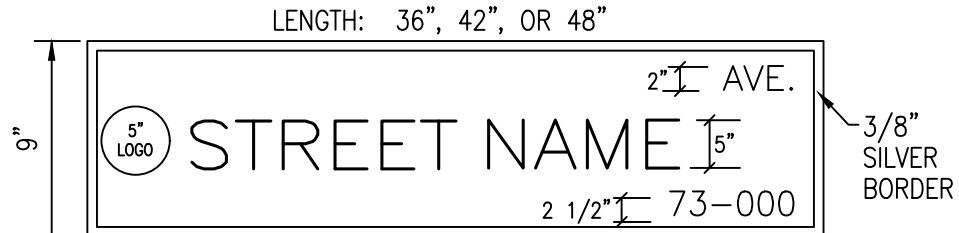
REGIONAL

(FOR ARTERIAL &
SECONDARY STREETS)



RESIDENTIAL

(FOR RESIDENTIAL,
COLLECTOR & LOCAL
STREETS)



SPECIFICATIONS

DESIGN APPROVAL

Street name sign layout requires Public Works approval prior to fabrication.

BASE METAL

The base metal substrate shall be sheet aluminum alloy Zumar Model 812Ex25Q (or approved equal).

BLADE SIZE

There shall be two sizes of street name signs. Regional and Residential. Regional shall be 12 inches and residential shall be 10 inches. The horizontal length shall be determined by the legend.

REFLECTIVE SHEETING:

Sign shall have 3M Diamond Grade™ DG³ reflective sheeting overlay and 3M 1160A Anti Graffiti film overlay.

PROCESSING:

Colors shall be silver copy on green background with 3/8 inch silver border. The sign shall be reversed screened and coated with a clear finish. The Residential sign shall have a 5 inch Palm Desert City Seal logo. The logo shall be reversed silk screened.

MESSAGE LENGTH:

The length of the message will be dependent upon the name length plus its suffix and block numbers, but shall be in multiples of six inches. Regional signs shall have an overall length of not less than 36 inches and not over 54 inches. Residential signs shall have an overall length of not less than 36 inches and not over 48 inches.

LETTER SIZE AND SERIES:


Street name legend and suffix shall be upper and lower case lettering in standard lengths and shall be fabricated using standard FWA "B" or "C" Series letters for all copy.

Regional sign shall have 8 inch upper case and 8 inch lower case legend with 3 inch suffix and block number. Residential sign shall 8 inch upper case and 4 1/2 inch lower case legend. The suffix shall be 2 inches and the block number shall be 2 1/2 inches.

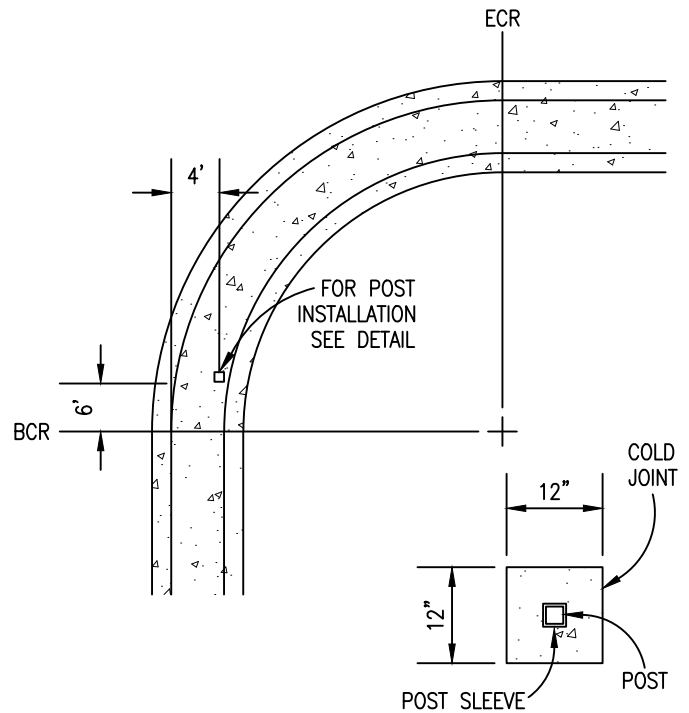
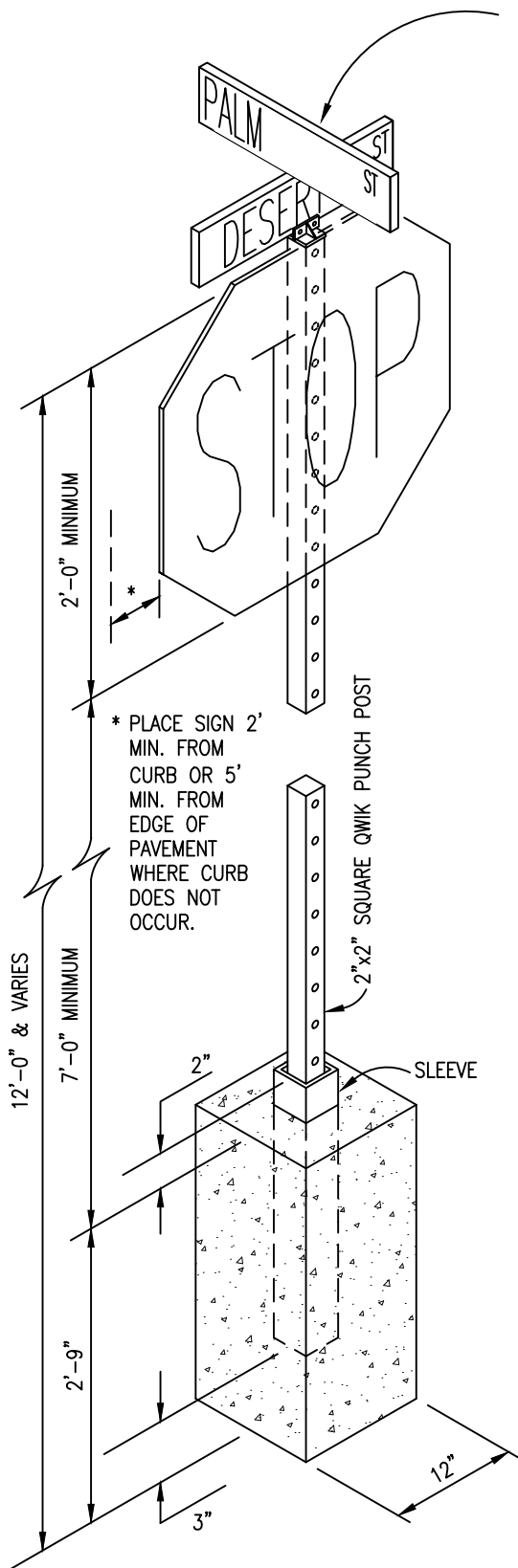
MOUNTING HOLES:

Two 3/8 inch diameter holes shall be drilled on both the top and bottom of the sign to match the metal substance above.

N.T.S.

<p>CITY OF PALM DESERT</p> 	<p>APPROVED BY:</p> <p><i>Martin Alvarez</i> Feb 19, 2025</p> <p>MARTIN ALVAREZ DATE</p> <p>PUBLIC WORKS DIRECTOR</p>	<p>DEPARTMENT OF PUBLIC WORKS</p> <p>STREET NAME SIGNS</p>	<p>STD NO.</p> <p>907</p>
--	---	--	---------------------------

DOUBLE FACED SIGNS FOR EACH STREET NAME PER C.P.D. STD. 907.
VANDAL-PROOF HARDWARE FOR FASTENING AS APPROVED BY THE CITY
ENGINEER.



DETAIL
N.T.S.

TYPICAL PLACEMENT

NOTES:

1. STREETS WIDER THAN 64 FEET (SECONDARY AND ABOVE), SHALL HAVE NEW STREET NAMES INSTALLED ON THE NEAR SIDE CORNERS FOR EACH DIRECTION OF TRAVEL.
2. ALL SIGN POSTS ARE TO BE 2" TELESPAR SQUARE TUBE WITH ANCHOR BREAKAWAY ASSEMBLY.
3. THE RETROREFLECTIVITY FOR ALL REGULATORY SIGNS SHALL MEET ASTM STANDARD D 4956 TYPE IX (3M CO. DIAMOND GRADE OR APPROVED EQUAL) WITH ANTI-GRAFFITI SHEETING.

NOTE:
ALL SIGN POSTS TO BE INSTALLED IN
560-C-2800 CONCRETE

N.T.S.

CITY OF PALM DESERT



APPROVED BY:

Martin Alvarez
MARTIN ALVAREZ
PUBLIC WORKS DIRECTOR

Feb 19, 2025

DATE

DEPARTMENT OF PUBLIC WORKS

STD NO.

STREET NAME SIGN
INSTALLATION

908

NONE: POST INSTALLATION SHALL BE IN ACCORDANCE
WITH STANDARD DRAWING NO. 908

* SIGNS HEIGHTS

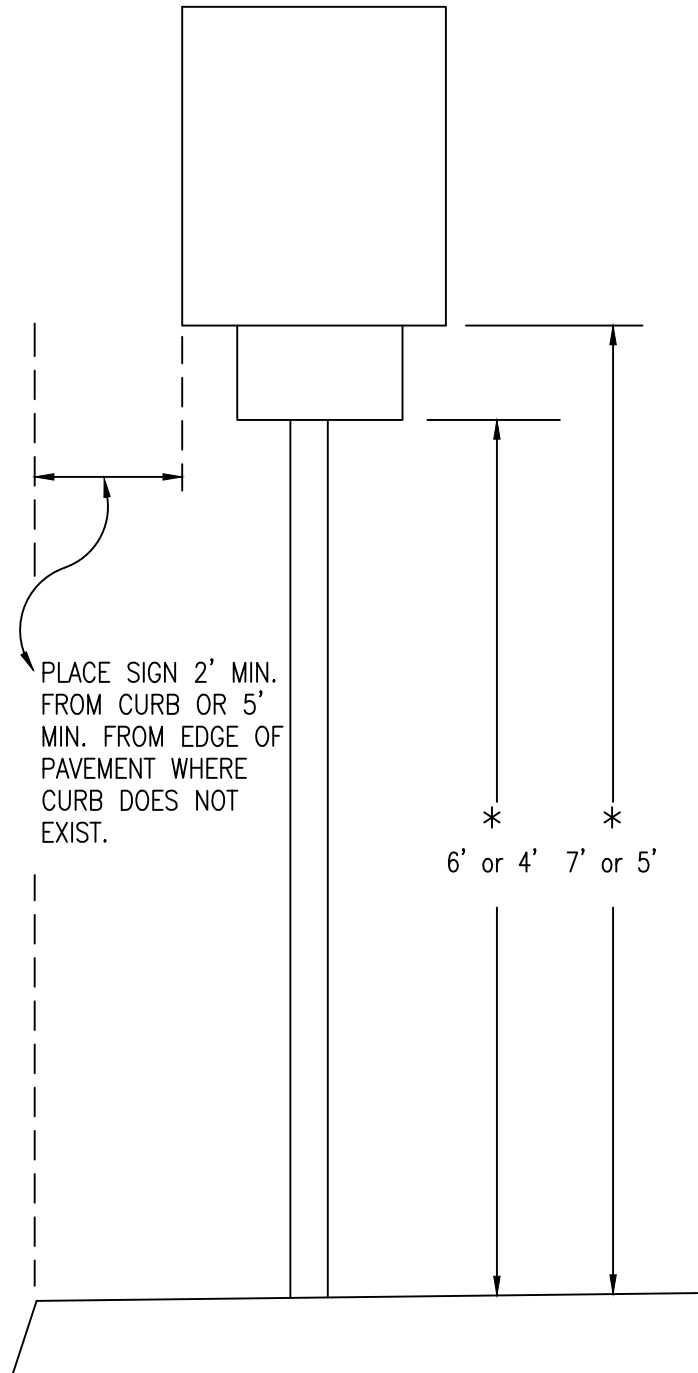
Warning Signs

shall be mounted at a height of at least 5 feet, measured from the bottom of the sign to the near edge of the pavement. In business, commercial and residential areas where parking and/or pedestrian movement is likely to occur or where there are other obstructions to view, the clearance to the bottom of the sign shall be at least 7 feet. The height to the bottom of a secondary sign mounted below another sign may be 1 foot less than the appropriate height specified above.

Regulatory Sign

The bottom of the sign shall be 5 feet above the surface of the pavement on conventional highways. In urban areas and where parking is prevalent, the bottom of the sign shall be placed at least 7 feet above the top of the curb.

Any Modifications must be per the approval of the City Engineer.



N.T.S.

CITY OF PALM DESERT

APPROVED BY:

DEPARTMENT OF PUBLIC WORKS

STD NO.

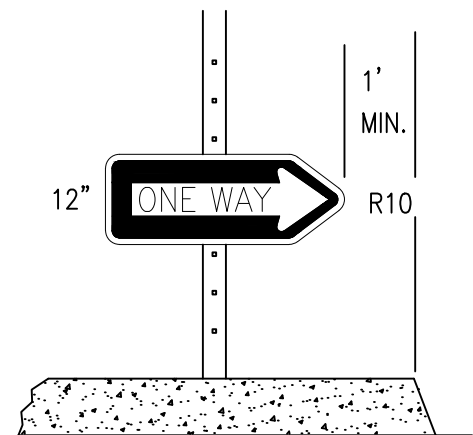
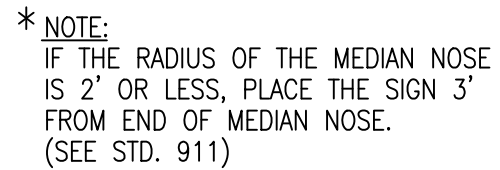


Martin Alvarez
MARTIN ALVAREZ
PUBLIC WORKS DIRECTOR

Feb 19, 2025
DATE

TYPICAL
SIGN POST

909

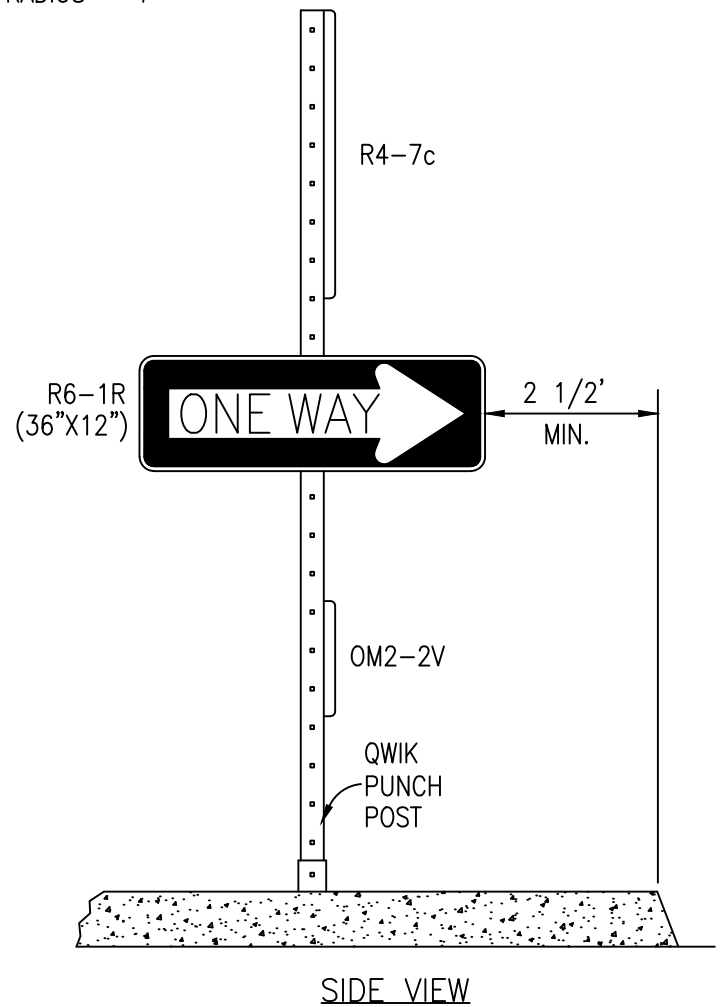
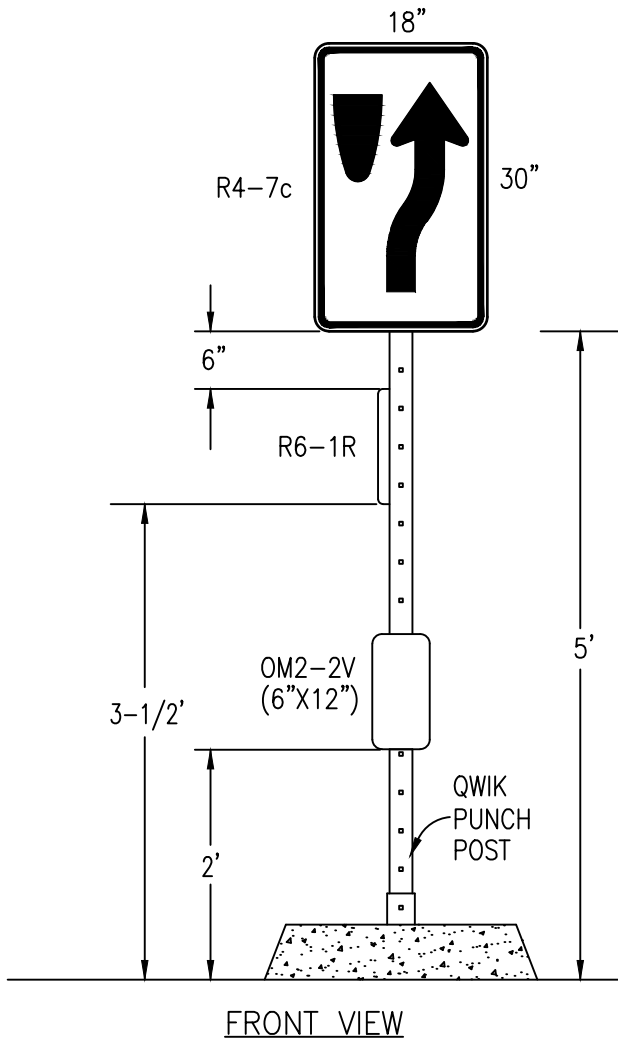
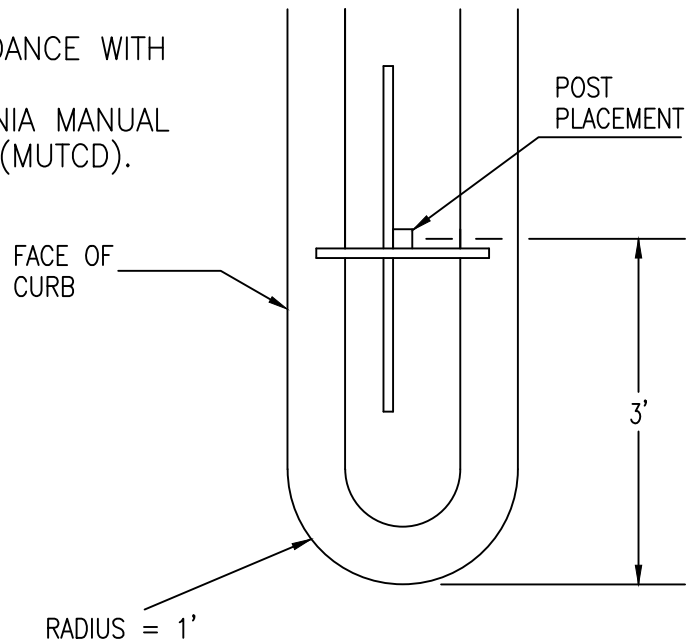


POST INSTALLATION SHALL BE IN ACCORDANCE WITH STANDARD DRAWING NO. 908.
RPM'S SHALL HAVE A GLASS REFLECTING FACE WITH A MINIMUM AREA
OF 3.25 SQUARE METERS.

910

NOTE:

POST INSTALLATION SHALL BE IN ACCORDANCE WITH
STANDARD DRAWING NO. 908.
SIGNS R4-7 & R6-1 PER THE CALIFORNIA MANUAL
OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).



N.T.S.

CITY OF PALM DESERT

APPROVED BY:

DEPARTMENT OF PUBLIC WORKS

STD NO.

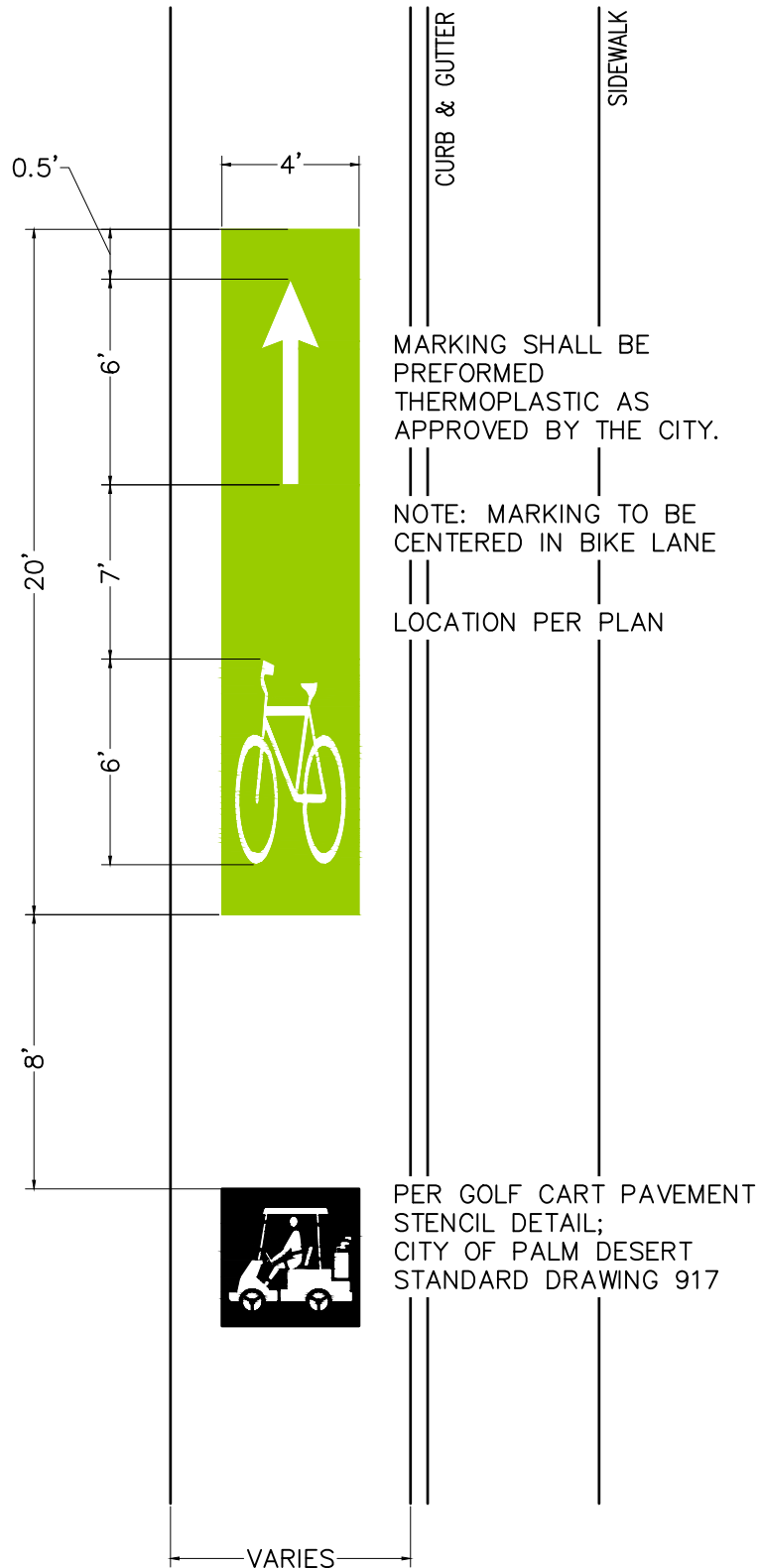


Martin Alvarez
MARTIN ALVAREZ
PUBLIC WORKS DIRECTOR

Feb 19, 2025
DATE

TYPICAL MEDIAN NOSE
SIGN INSTALLATION
(2-FT NOSE)

911



N.T.S.

CITY OF PALM DESERT

APPROVED BY:

DEPARTMENT OF PUBLIC WORKS

STD NO.

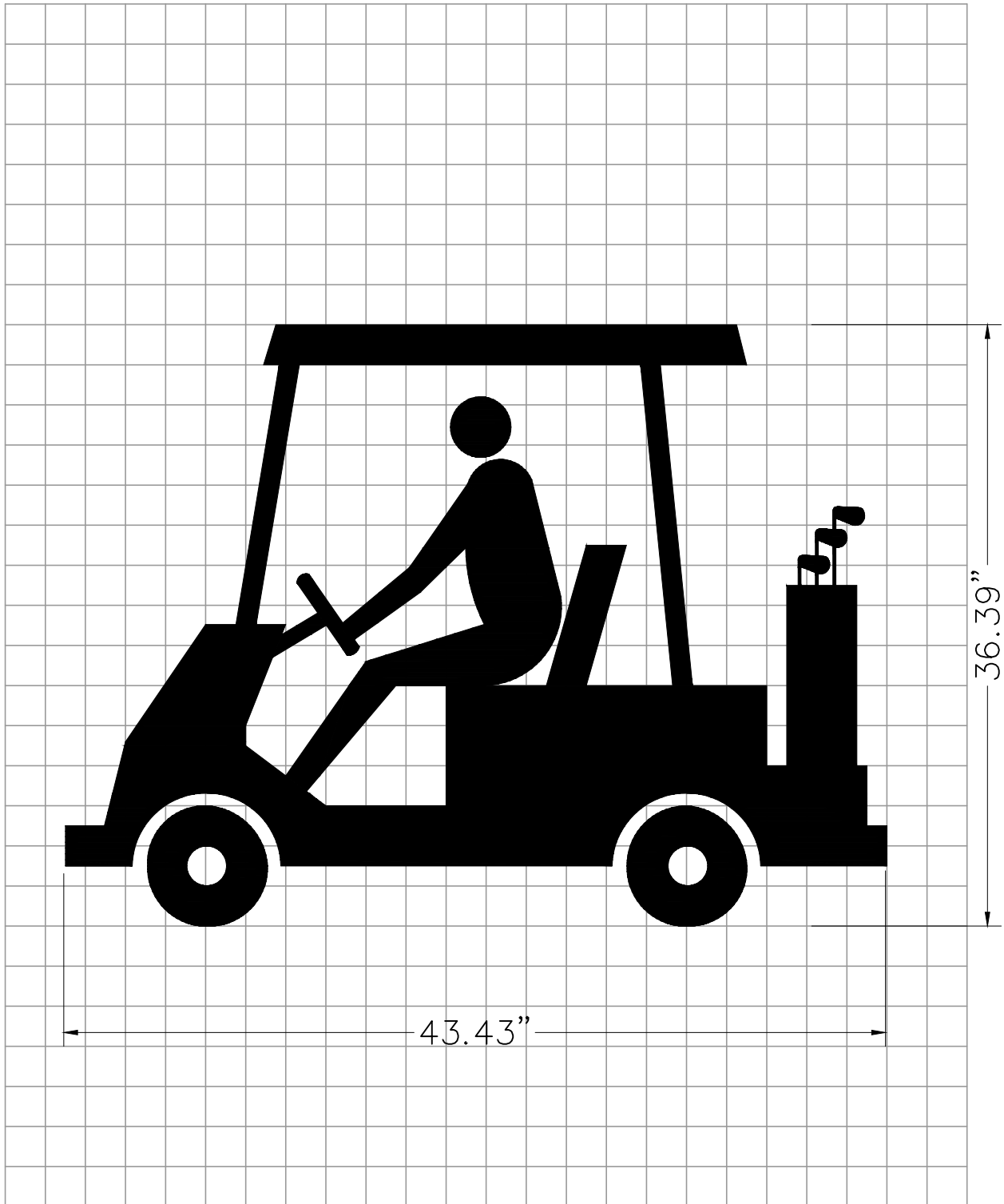


Martin Alvarez
MARTIN ALVAREZ
PUBLIC WORKS DIRECTOR

Feb 19, 2025
DATE

BICYCLE/GOLF CART
LANE SIGNS &
PAVEMENT MARKINGS

912



1' = 1"

CITY OF PALM DESERT

APPROVED BY:

DEPARTMENT OF PUBLIC WORKS

STD NO.



Martin Alvarez
MARTIN ALVAREZ
PUBLIC WORKS DIRECTOR

Feb 19, 2025
DATE

GOLF CART SYMBOL
FOR SIGNAGE

913



COLORS
 BORDER AND LEGEND - BLACK (Non-Reflective)
 BACKGROUND - WHITE (Reflective)

1" = 1'

CITY OF PALM DESERT

APPROVED BY:

DEPARTMENT OF PUBLIC WORKS

STD NO.



Martin Alvarez
 MARTIN ALVAREZ
 PUBLIC WORKS DIRECTOR

Feb 19, 2025
 DATE

GOLF CART
 LANE SIGN

914



COLORS
 BORDER AND LEGEND - WHITE (Non-Reflective)
 BACKGROUND - GREEN (Reflective)

1" = 1'

CITY OF PALM DESERT

APPROVED BY:

DEPARTMENT OF PUBLIC WORKS

STD NO.

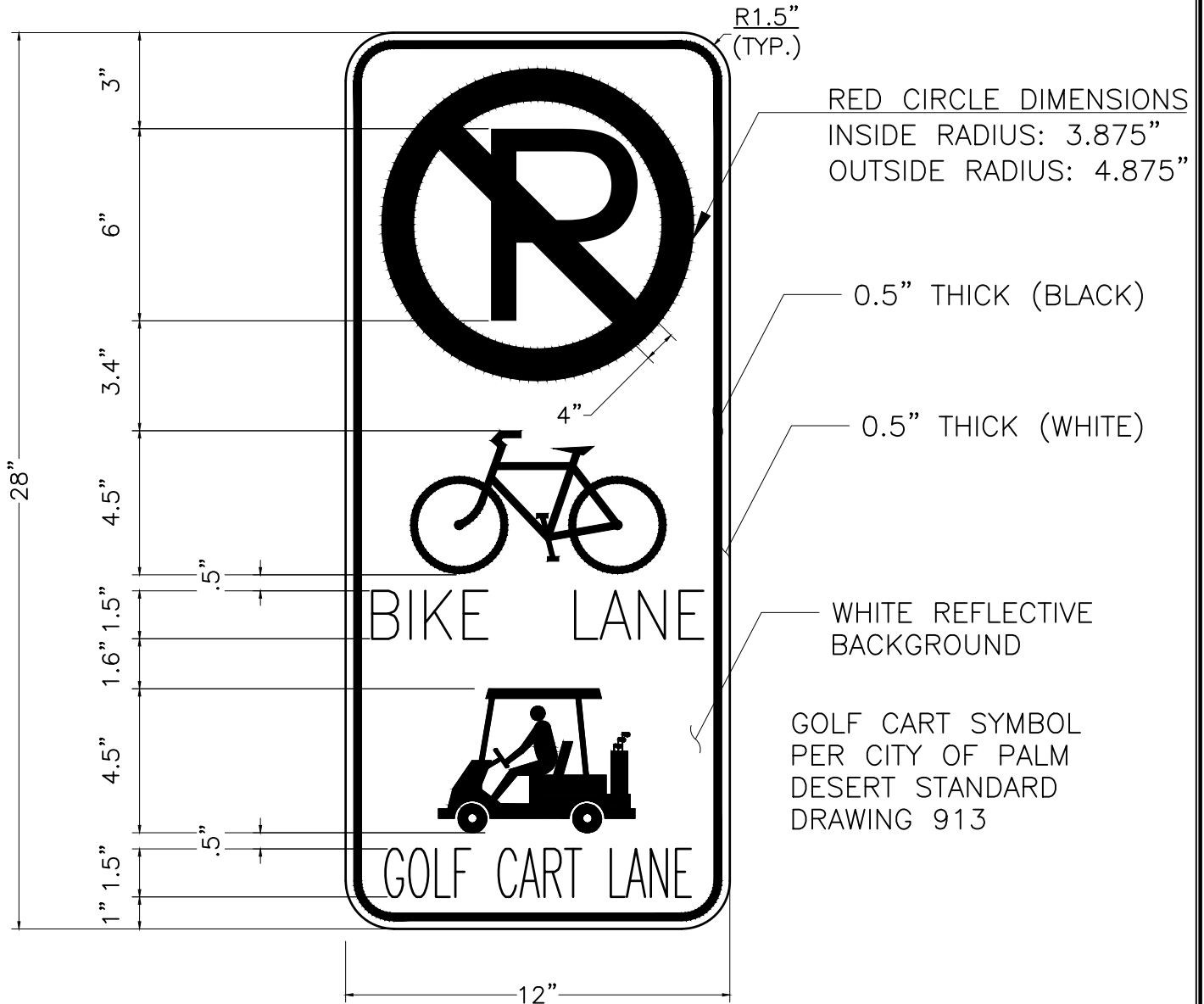


Martin Alvarez
 MARTIN ALVAREZ
 PUBLIC WORKS DIRECTOR

Feb 19, 2025
 DATE

GOLF CART
 ROUTE SIGN

915




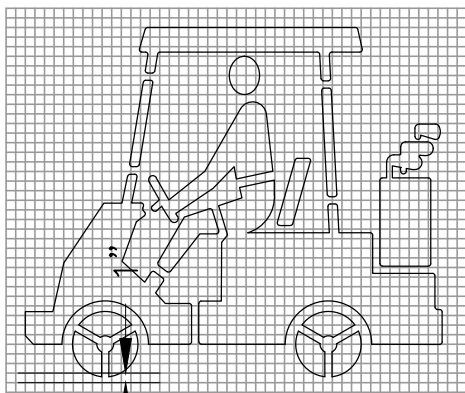
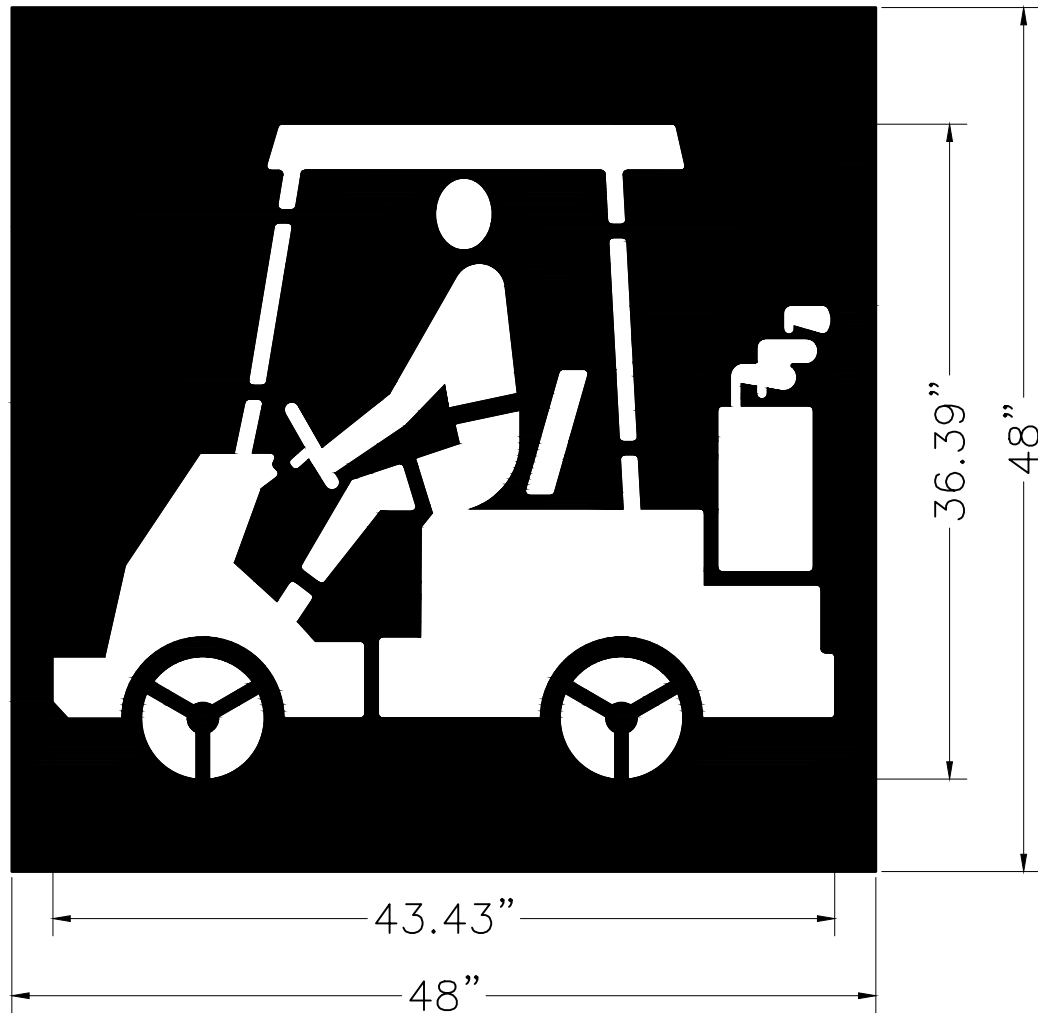
MID-BLOCK BIKE/GOLF CART LANE SIGN

NOTES:

1. R81A(CA) "BEGIN" SIGN SHALL BE INSTALLED BELOW MID-BLOCK BIKE/GOLF CART LANE SIGN AT THE START OF EVERY BIKE LANE.
2. "MID-BLOCK" SIGN SHALL BE INSTALLED EVERY 500 LINEAR FEET, UNLESS OTHERWISE SPECIFIED BY THE CITY.
3. R81B(CA) "END" SIGN SHALL BE INSTALLED BELOW MID-BLOCK BIKE/GOLF CART LANE SIGN AT THE END OF EVERY BIKE LANE.
4. FOR BICYCLE FACILITIES SPECIFIC SIGNAGE, REFERENCE THE CALIFORNIA MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).

N.T.S.

<p>CITY OF PALM DESERT</p> 	<p>APPROVED BY:</p> <p><i>Martin Alvarez</i></p> <p>MARTIN ALVAREZ PUBLIC WORKS DIRECTOR</p> <p>Feb 19, 2025</p> <p>DATE</p>	<p>DEPARTMENT OF PUBLIC WORKS</p> <p>BICYCLE/GOLF CART LANE COMBINATION SIGN</p>	<p>STD NO.</p> <p>916</p>
--	--	--	---------------------------



GOLF CART LEGEND DIMENSIONS
(SIZE REFERENCE CHART)
SCALE: 1" = 20'



NOTE: MARKING SHALL BE PREFORMED
THERMOPLASTIC AS APPROVED BY THE CITY.

N.T.S.

CITY OF PALM DESERT

APPROVED BY:

DEPARTMENT OF PUBLIC WORKS

STD NO.

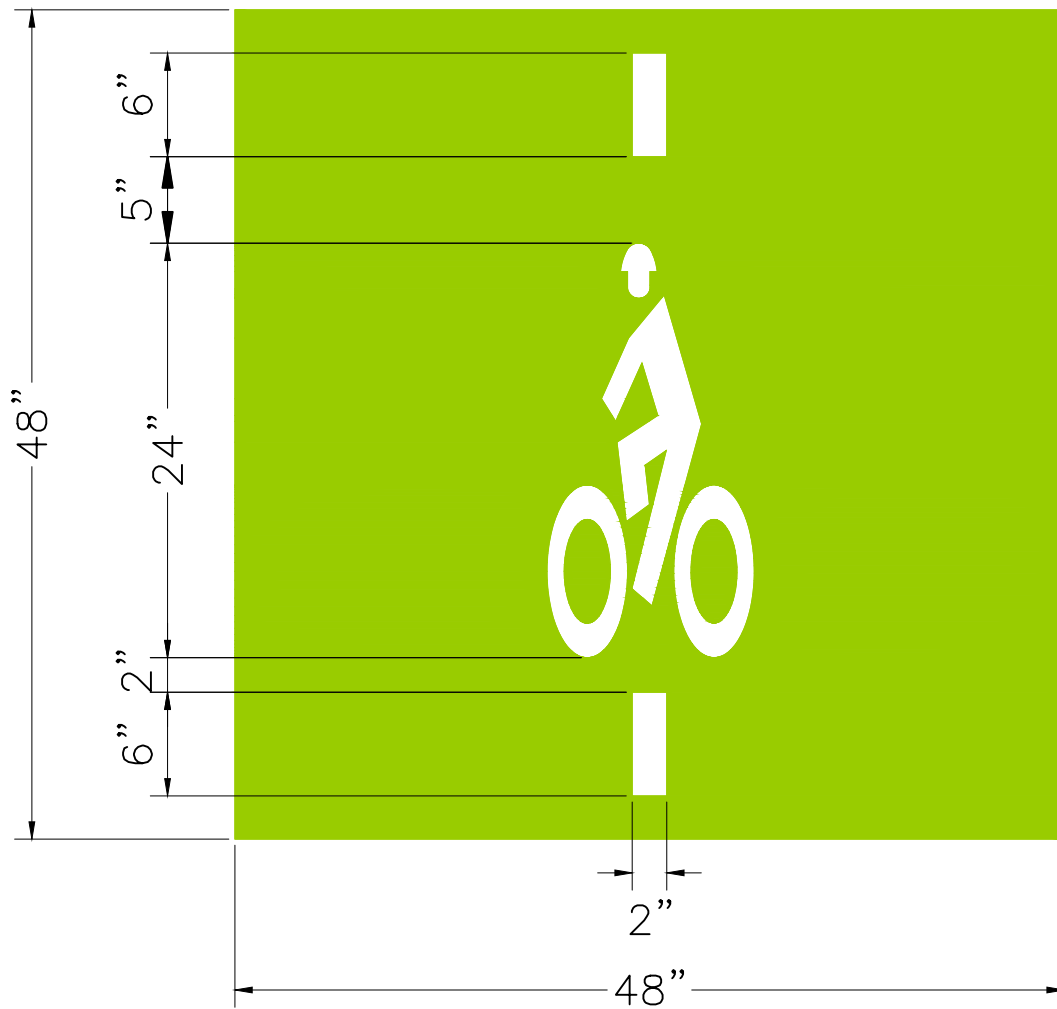


Martin Alvarez
MARTIN ALVAREZ
PUBLIC WORKS DIRECTOR

Feb 19, 2025
DATE

GOLF CART
PAVEMENT LEGEND

917



**BICYCLE DETECTOR
PAVEMENT MARKING**

NOTES:

1. USE GREEN COLORED PAVEMENT MARKINGS. SEE CVAG ACTIVE TRANSPORTATION DESIGN GUIDELINES AS A GUIDE.
2. SYMBOL SHALL BE PLACED OVER BICYCLE DETECTION LOOPS IN PAVEMENT AT SIGNALIZED INTERSECTIONS TO INDICATE THE OPTIMUM POSITION FOR A BICYCLE TO ACTIVATE THE SIGNAL AS DIRECTED BY THE CITY.
3. SIGN R10-22 IN THE CALIFORNIA MUTCD (CURRENT EDITION) MAY BE INSTALLED TO SUPPLEMENT THE PAVEMENT MARKINGS AS DIRECTED BY THE CITY.
4. MARKINGS SHALL BE PREFORMED THERMOPLASTIC AS APPROVED BY THE CITY.

N.T.S.

CITY OF PALM DESERT



APPROVED BY:

Martin Alvarez
MARTIN ALVAREZ
PUBLIC WORKS DIRECTOR

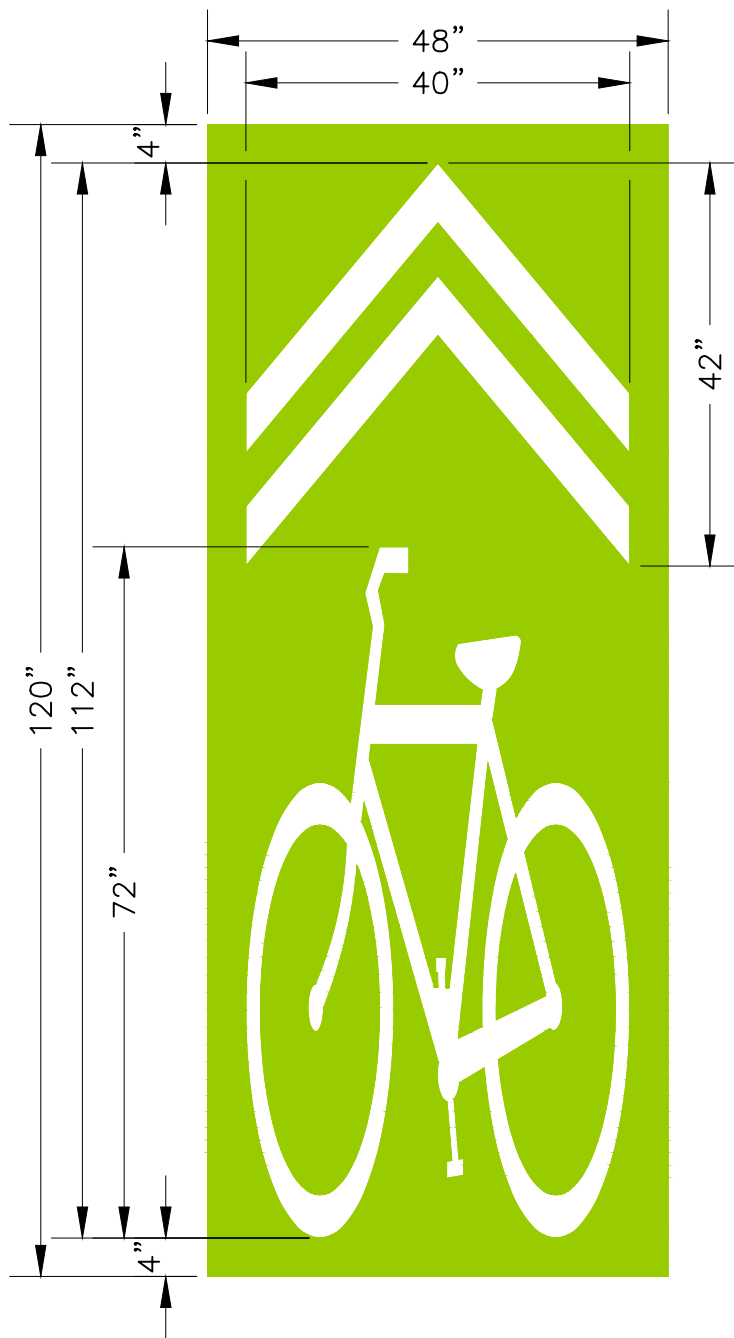
Feb 19, 2025
DATE

DEPARTMENT OF PUBLIC WORKS

**BICYCLE DETECTOR
PAVEMENT MARKING**

STD NO.

918



NOTES:

1. USE GREEN COLORED PAVEMENT MARKINGS. SEE CVAG ACTIVE TRANSPORTATION DESIGN GUIDELINES AS A GUIDE.
2. MARKINGS SHALL BE PREFORMED THERMOPLASTIC AS APPROVED BY THE CITY.

N.T.S.

CITY OF PALM DESERT

APPROVED BY:

DEPARTMENT OF PUBLIC WORKS

STD NO.

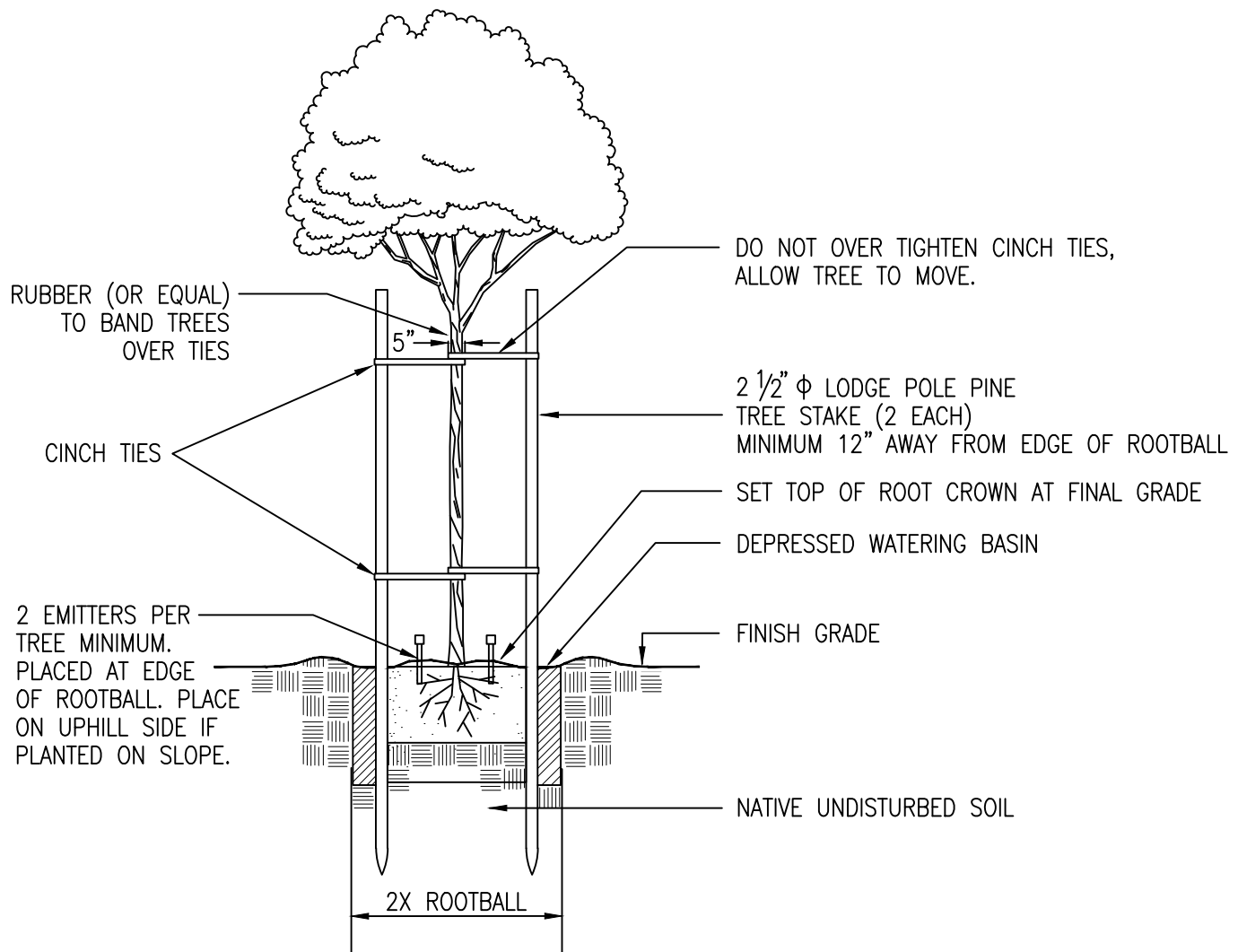


Martin Alvarez
MARTIN ALVAREZ
PUBLIC WORKS DIRECTOR

Feb 19, 2025
DATE

BICYCLE
PAVEMENT MARKING

919



NOTES:

FOR PLANT PIT SIZE REFER
TO SPECIFICATIONS.

IN TURF AREAS LEAVE A BARE AREA
APPROX. 16" AWAY FROM TREE BASE
IN ALL DIRECTIONS

APPLY 1" THICK LAYER OF
DECOMPOSED GRANITE
ON TOP OF ROOT BALL

STAKE SINGLE TRUNK TREES IF NEEDED
DO NOT STAKE MULTI TRUNK TREES

FORM 3" BERM TO CREATE TEMPORARY WATERING
BASIN (USE WITH BUBBLER IRRIGATION ONLY)

N.T.S.

CITY OF PALM DESERT

APPROVED BY:

DEPARTMENT OF PUBLIC WORKS

STD NO.

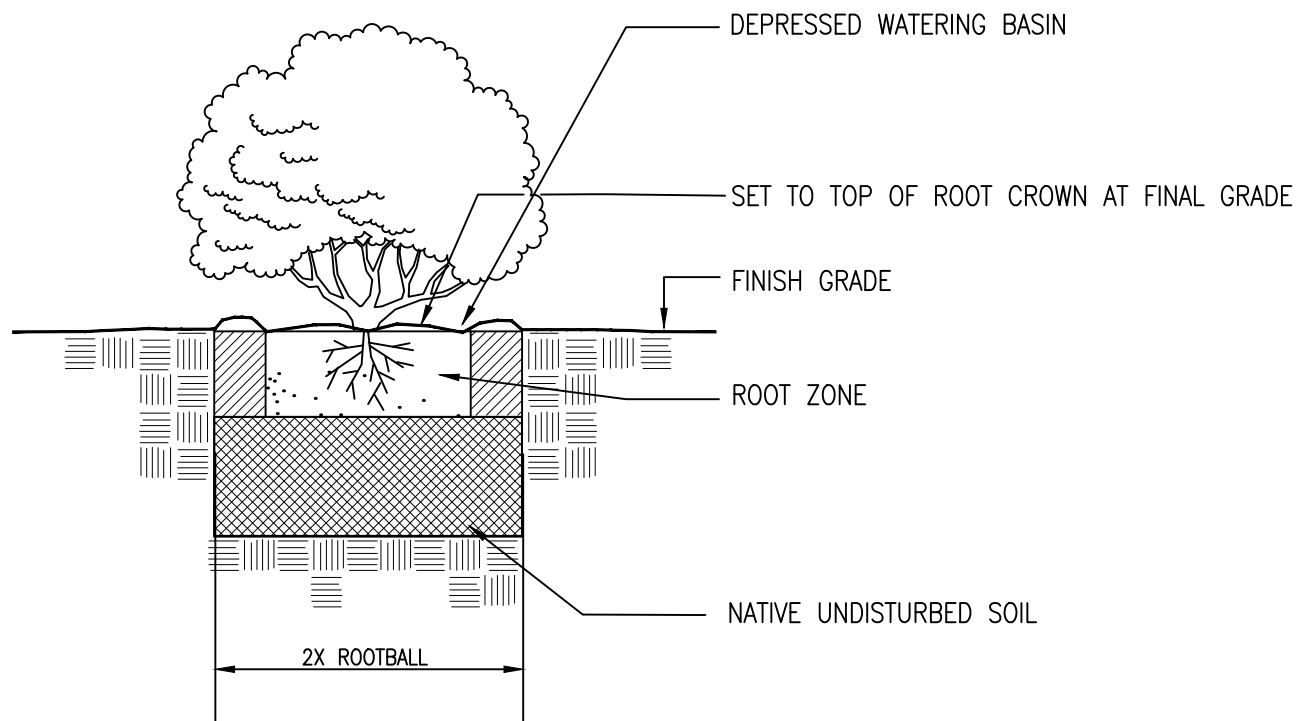


Martin Alvarez
MARTIN ALVAREZ
PUBLIC WORKS DIRECTOR

Feb 19, 2025
DATE

TREE INSTALLATION

1000



NOTES:

PLANT SHRUBS MINIMUM OF 3' FROM CURB IN MEDIANS, 3' FROM CURB/SIDEWALKS IN PARKWAYS OR AS NOTED ON PLANS

APPLY 1" THICK LAYER OF DECOMPOSED GRANITE ON TOP OF ROOT BALL

FORM 3" BERM TO CREATE TEMPORARY WATERING BASIN (USE WITH ONE BUBBLER EMITTER MINIMUM IRRIGATION ONLY)

N.T.S.

CITY OF PALM DESERT

APPROVED BY:

DEPARTMENT OF PUBLIC WORKS

STD NO.

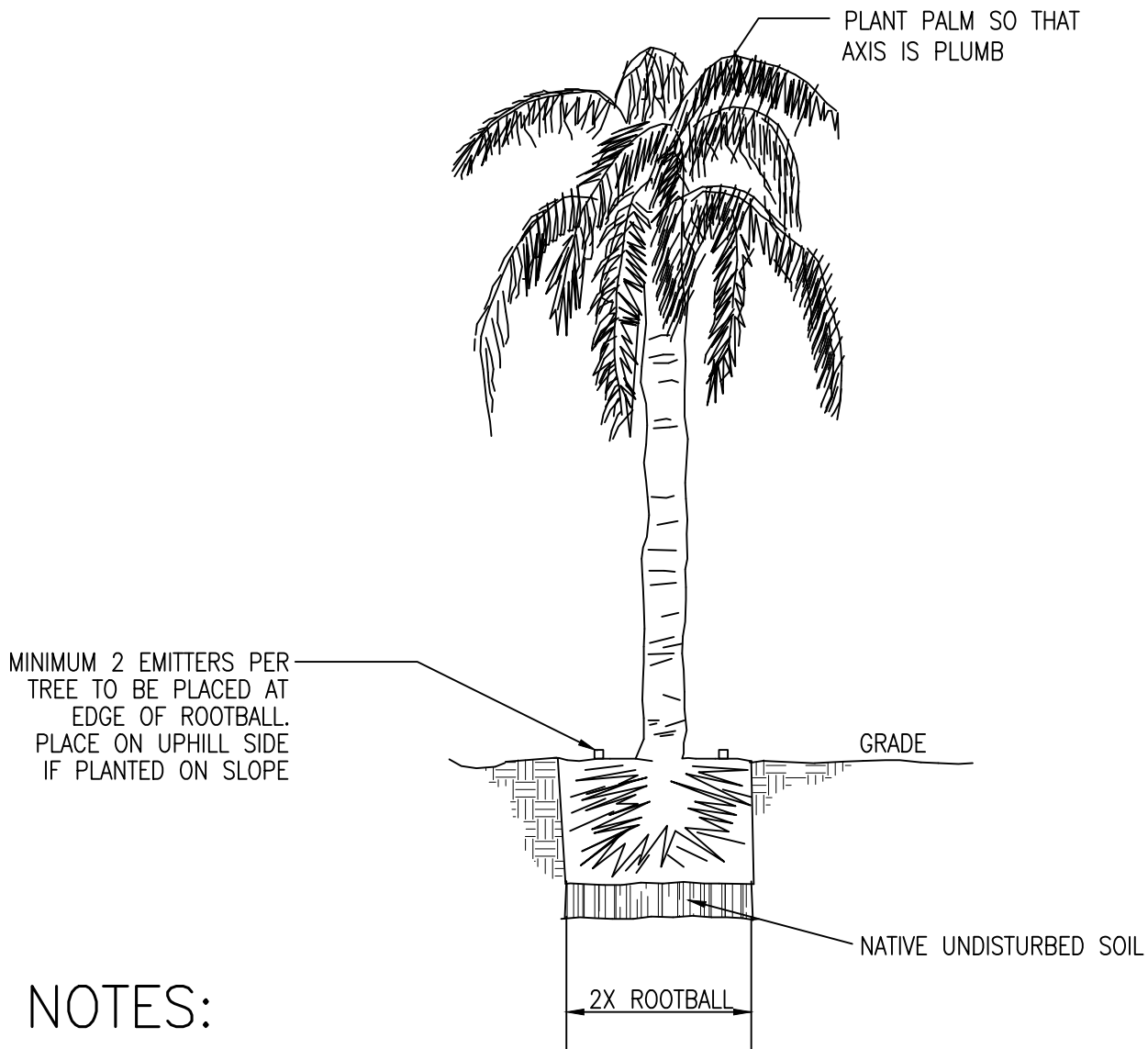


Martin Alvarez
MARTIN ALVAREZ
PUBLIC WORKS DIRECTOR

Feb 19, 2025
DATE

SHRUB INSTALLATION

1001



NOTES:

TAMP & WATER-SETTLE
WHILE PLANTING

TOP OF ROOT BALL
NOT TO BE LOWER THAN FINISH GRADE

APPLY 1" THICK LAYER OF
DECOMPOSED GRANITE
ON TOP OF ROOT BALL

N.T.S.

CITY OF PALM DESERT

APPROVED BY:

DEPARTMENT OF PUBLIC WORKS

STD NO.

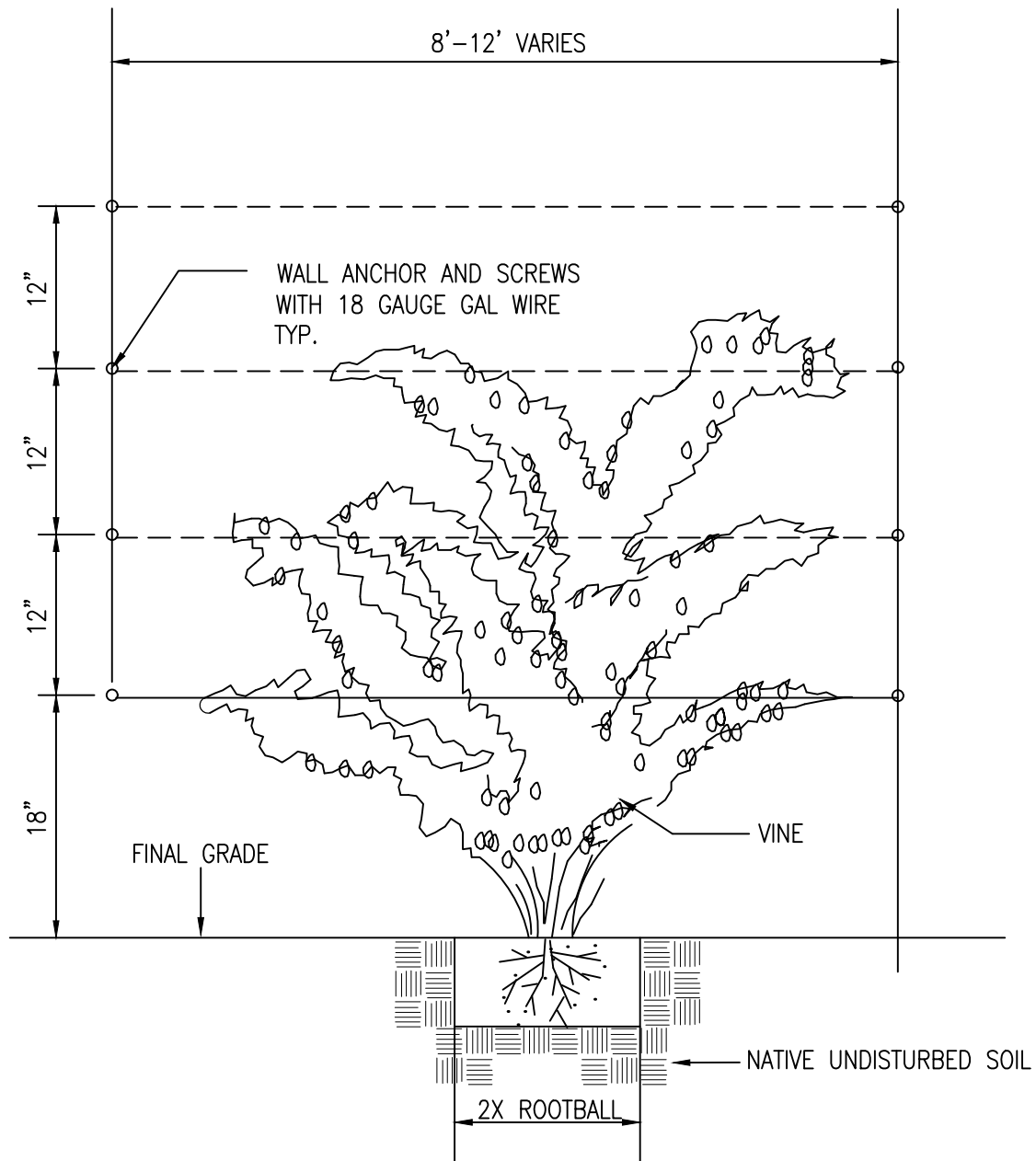


Martin Alvarez
MARTIN ALVAREZ
PUBLIC WORKS DIRECTOR

Feb 19, 2025
DATE

PALM TREE
INSTALLATION

1002



NOTES:

APPLY 1" THICK LAYER OF
DECOMPOSED GRANITE
ON TOP OF ROOT BALL

N.T.S.

CITY OF PALM DESERT

APPROVED BY:

DEPARTMENT OF PUBLIC WORKS

STD NO.

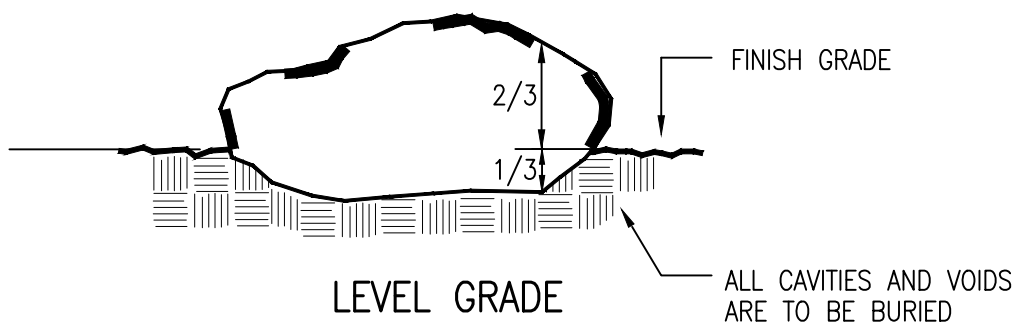
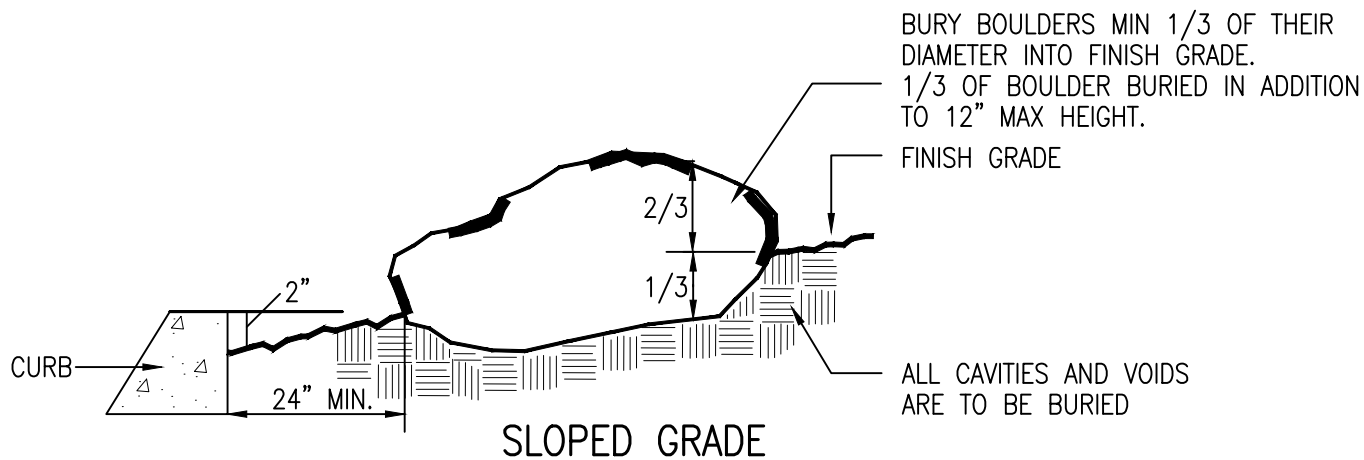


Martin Alvarez
MARTIN ALVAREZ
PUBLIC WORKS DIRECTOR

Feb 19, 2025
DATE

ESPALIER
DETAIL

1003



NOTES:

ALL BOULDERS TO BE A MINIMUM 24"
FROM CURB/HARDSCAPE UNLESS NOTED ON PLAN

BOULDERS IN CLUSTERS TO BE SET AT
VARIOUS HEIGHTS PER CITY APPROVAL

N.T.S.

CITY OF PALM DESERT

APPROVED BY:

DEPARTMENT OF PUBLIC WORKS

STD NO.

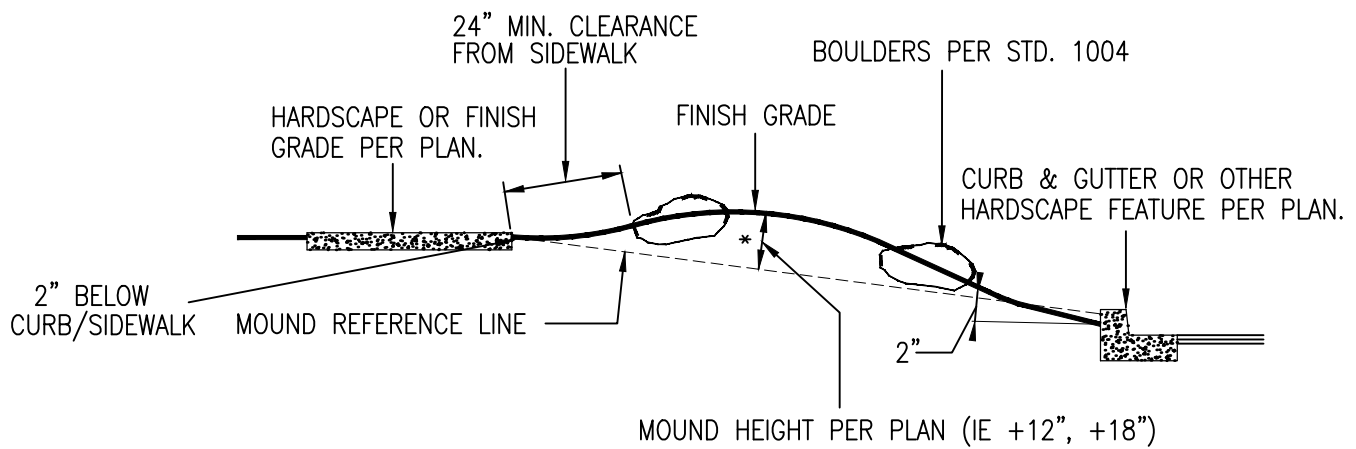


Martin Alvarez
MARTIN ALVAREZ
PUBLIC WORKS DIRECTOR

Feb 19, 2025
DATE

BOULDER
INSTALLATION

1004



NOTES:

MOUNDS ARE PER DIAGRAM

MOUND SHAPES DO NOT REPRESENT ACTUAL CONTOURS

GRADE TO ACTUAL SITE CONDITIONS
OR REFER TO LANDSCAPE PLANS

GIVE PRIORITY TO DRAINAGE OF
PLANTED AREAS.

FINISH SURFACE MUST BE 2" BELOW ADJACENT CURB
OR SIDEWALK

N.T.S.

CITY OF PALM DESERT

APPROVED BY:

DEPARTMENT OF PUBLIC WORKS

STD NO.

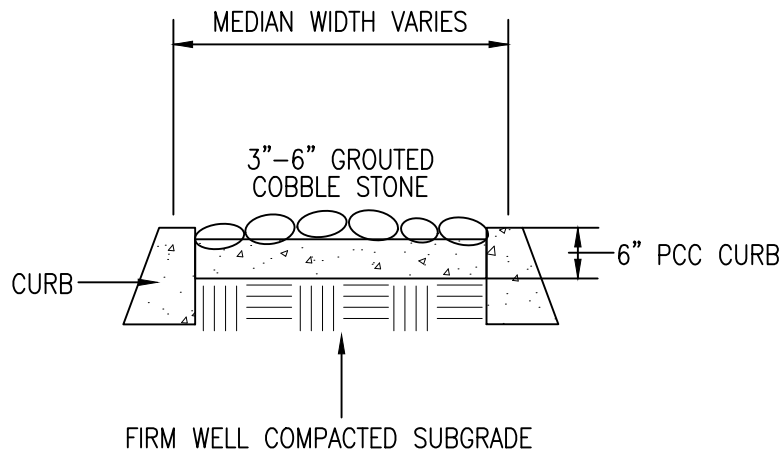


Martin Alvarez
MARTIN ALVAREZ
PUBLIC WORKS DIRECTOR

Feb 19, 2025
DATE

MOUNDING
DETAIL

1005



NOTES:

SET COBBLE IN 6" THICK CONCRETE
 MAINTAIN 1/2" SPACE BETWEEN
 ROCKS. GROUT ALL JOINTS, REMOVE EXCESS
 CONCRETE IN JOINTS. TROWEL TO 1/2" DEEP
 BETWEEN JOINTS.

CONCRETE MIX TO BE:
 6 SACKS WITH PEAGRAVEL/SAND SLURRY MIX

COBBLE STONE PATTERN RANDOM PLACED WITH
 FLAT SIDE UP, 50% BURIED IN CONCRETE

N.T.S.

CITY OF PALM DESERT



APPROVED BY:

Martin Alvarez
 MARTIN ALVAREZ
 PUBLIC WORKS DIRECTOR

Feb 19, 2025

DATE

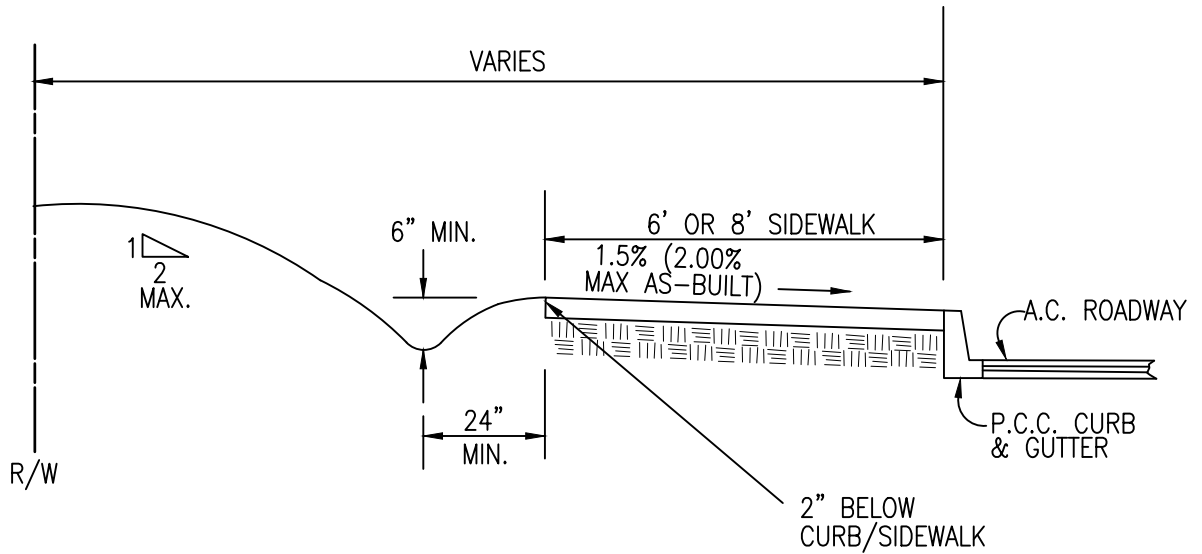
DEPARTMENT OF PUBLIC WORKS

GROUTED
 COBBLESTONE
 MEDIAN DETAIL

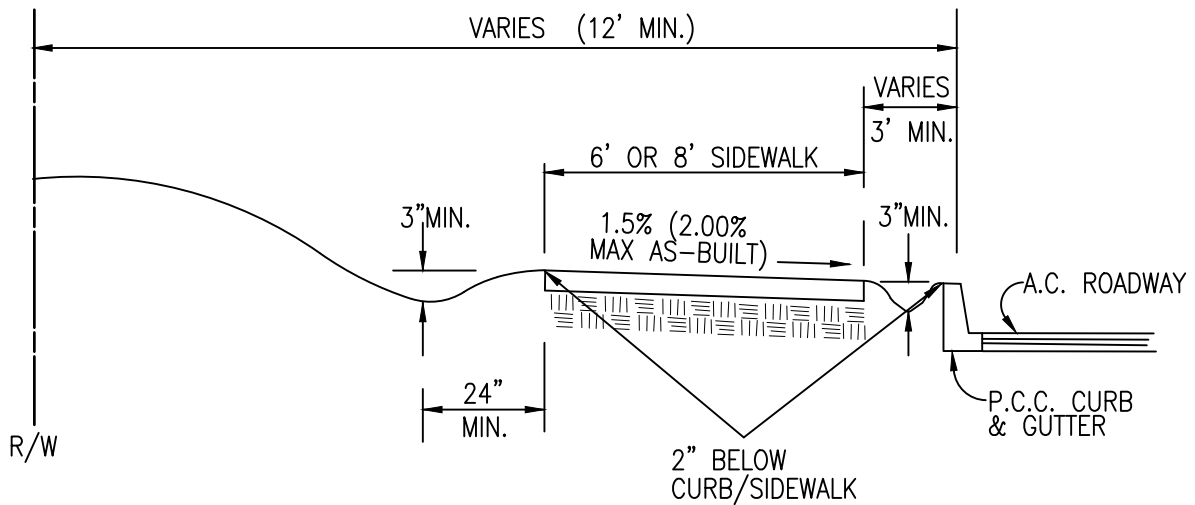
STD NO.

1006

CASE 1 – CURBSIDE SIDEWALK – PARKWAY



CASE II – MEANDERING SIDEWALK – PARKWAY



NOTE:

FINISH SURFACE MUST BE 2" BELOW ADJACENT CURB OR SIDEWALK

N.T.S.

CITY OF PALM DESERT

APPROVED BY:

DEPARTMENT OF PUBLIC WORKS

STD NO.



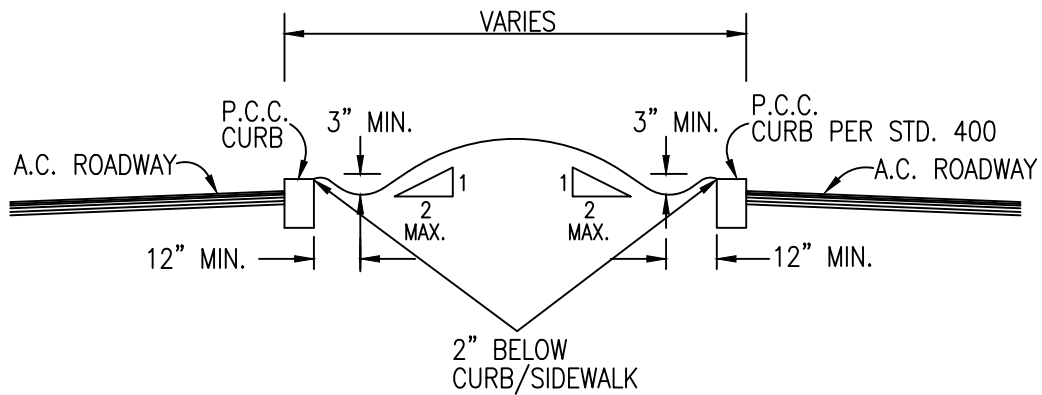
Martin Alvarez
MARTIN ALVAREZ
PUBLIC WORKS DIRECTOR

Feb 19, 2025
DATE

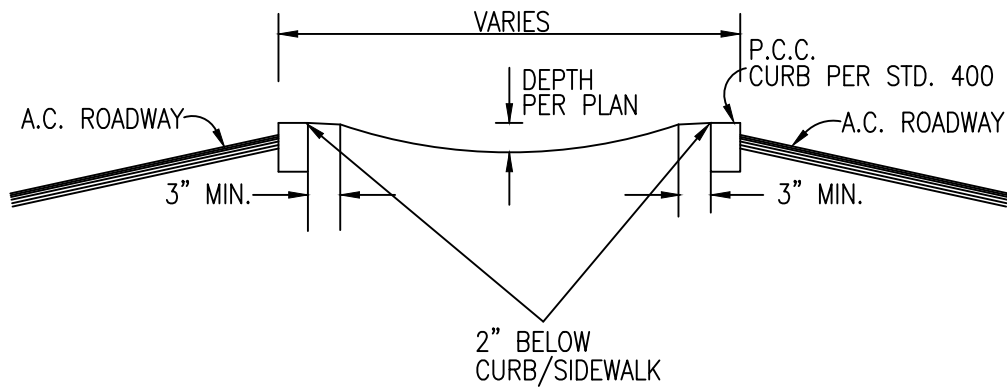
PARKWAY
LANDSCAPE
MOUNDING

1007

CASE III(A) – RAISED MEDIAN ISLAND



CASE III(B) – DEPRESSED MEDIAN ISLAND



NOTE:

FINISH SURFACE MUST BE 2" BELOW ADJACENT CURB OR SIDEWALK

N.T.S.

CITY OF PALM DESERT

APPROVED BY:

DEPARTMENT OF PUBLIC WORKS

STD NO.

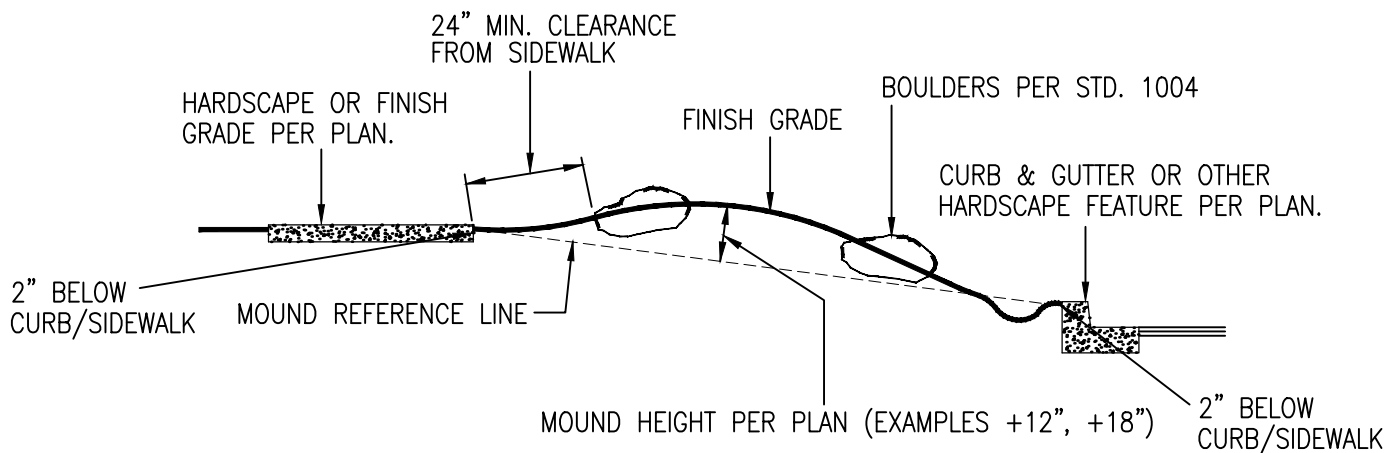
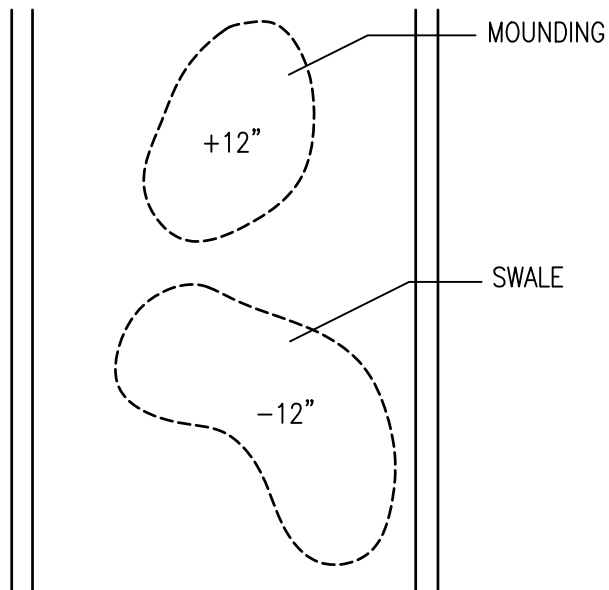


Martin Alvarez
MARTIN ALVAREZ
PUBLIC WORKS DIRECTOR

Feb 19, 2025
DATE

MEDIAN
LANDSCAPE
MOUNDING

1008



NOTES:

MOUNDS ARE PER DIAGRAM

MOUND SHAPES DO NOT REPRESENT ACTUAL CONTOURS

GRADE TO ACTUAL SITE CONDITIONS
GIVE PRIORITY TO DRAINAGE OF
PLANTED AREAS.

FINISH SURFACE MUST BE 2" BELOW CURB
OR SIDEWALK

N.T.S.

CITY OF PALM DESERT

APPROVED BY:

DEPARTMENT OF PUBLIC WORKS

STD NO.



Martin Alvarez

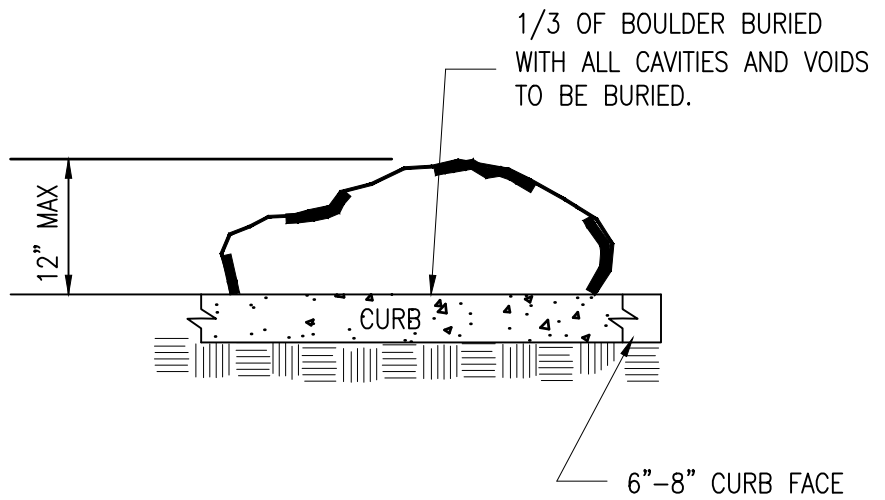
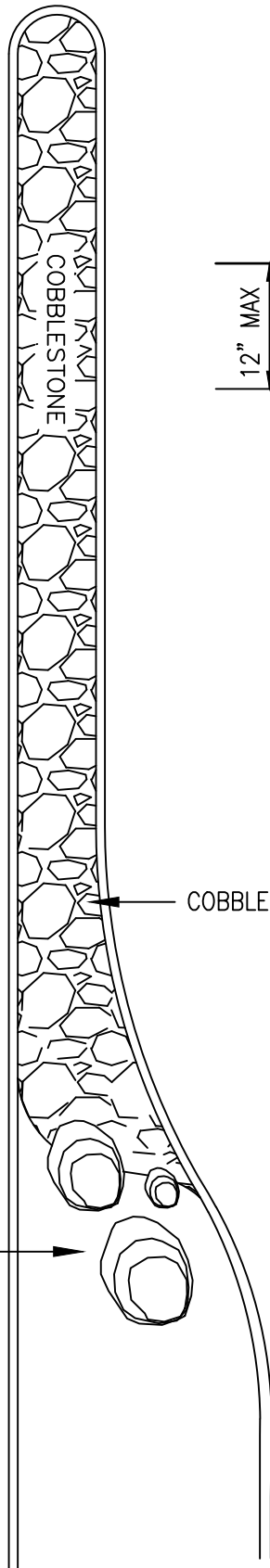
MARTIN ALVAREZ
PUBLIC WORKS DIRECTOR

Feb 19, 2025

DATE

MEDIAN GRADING
DETAIL

1009



COBBLE STONE PER STD. 1006

BOULDERS
PER STD. 1004

NOTES:

EDGE OF COBBLE STONE LAYOUT
TO BE FREEFORM DO NOT FORM
A STRAIGHT EDGE

BOULDERS TO BE PLACED AT EDGE
OF COBBLE STONE LAYOUT PER PLAN

BOULDER PLACEMENT 24"
AWAY FROM BACK OF CURB
NOT TO EXCEED 12"
FROM TOP OF CURB

N.T.S.

CITY OF PALM DESERT

APPROVED BY:

DEPARTMENT OF PUBLIC WORKS

STD NO.

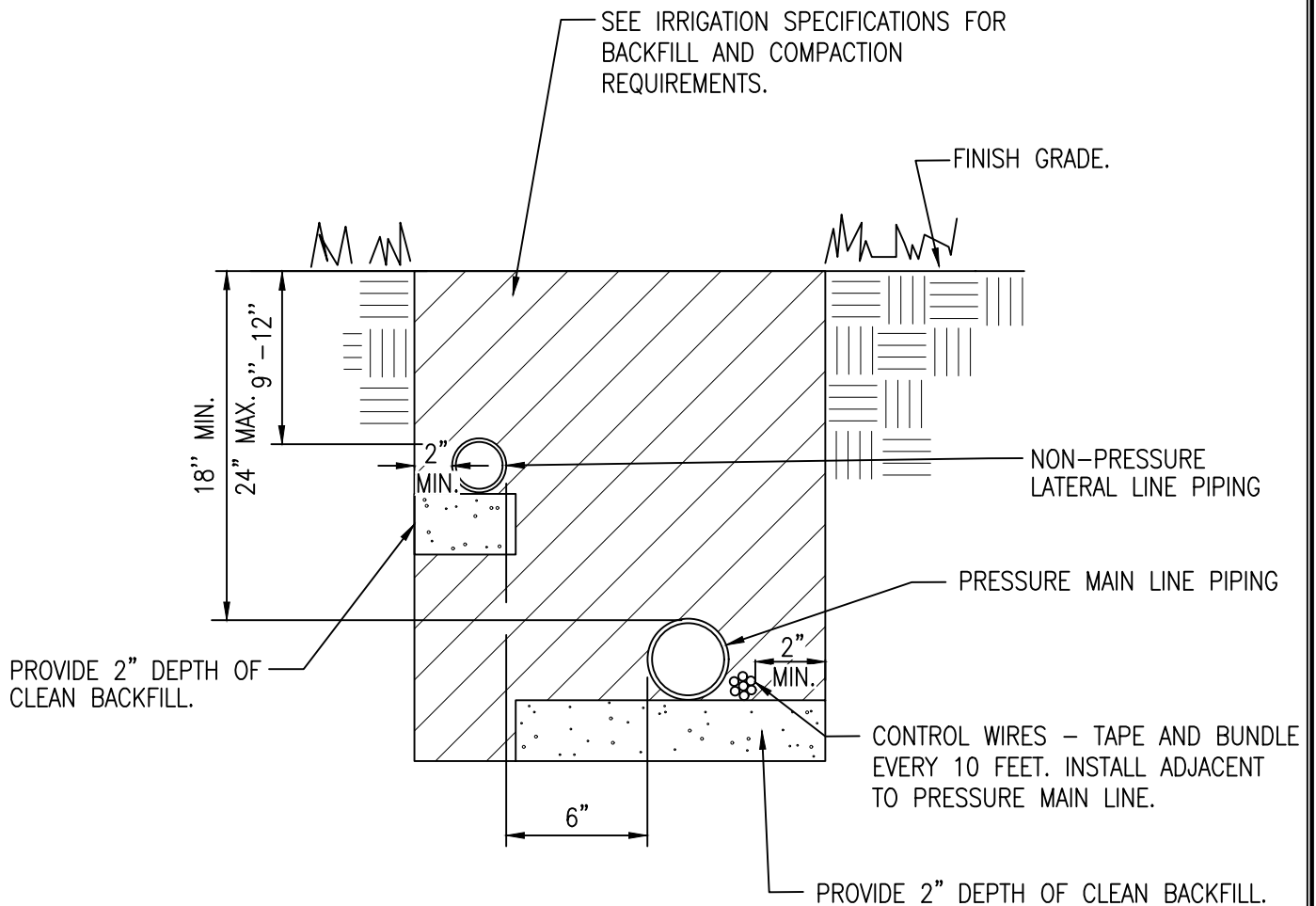


Martin Alvarez
MARTIN ALVAREZ
PUBLIC WORKS DIRECTOR

Feb 19, 2025
DATE

BOULDER PLACEMENT
(MEDIAN)

1010



NOTES:

TAPE AND BUNDLE 14g SINGLE STRAND CONTROL WIRE EVERY 10 FT. INSTALL ADJACENT TO PRESSURIZED MAIN LINE.

COIL 24 IN OF WIRE IN ALL CORNERS.

SEE IRRIGATION SPECS. FOR BACKFILL AND COMPACTION REQUIREMENTS.

MINIMUM BACKFILL DEPTHS FROM FINAL GRADE TO TOP OF MAINLINE
 18 IN FOR PIPE SIZES 2 1/2 IN AND SMALLER
 24 IN FOR PIPE SIZES 3 IN AND LARGER.

PROVIDE MINIMUM 2" DEPTH OF CLEAN BACKFILL UNDER IRRIGATION PIPES.

NO ELECTRICAL CONDUIT TO BE PLACED IN IRRIGATION TRENCH.

N.T.S.

CITY OF PALM DESERT

APPROVED BY:

DEPARTMENT OF PUBLIC WORKS

STD NO.

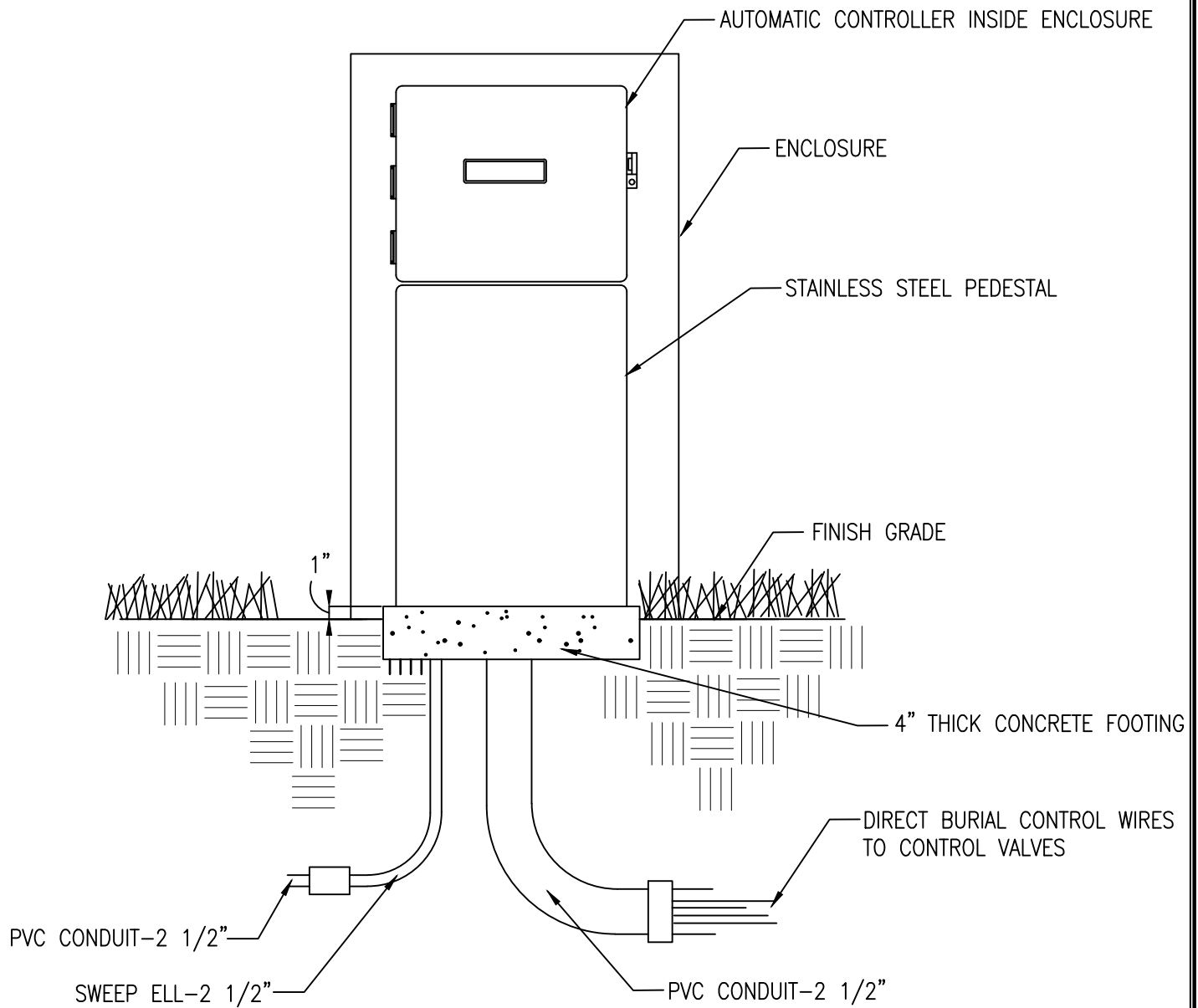


Martin Alvarez
 MARTIN ALVAREZ
 PUBLIC WORKS DIRECTOR

Feb 19, 2025
 DATE

TRENCHING
 DETAIL

1012



NOTES:

POUR A 4" THICK CONCRETE PAD

PER CITY STANDARD 560-C-2800

ENCLOSURE TO BE TAMPER PROOF AND VANDALISM RESISTANT

INSTALL ALL WIRING PER LOCAL CODE

N.T.S.

CITY OF PALM DESERT

APPROVED BY:

DEPARTMENT OF PUBLIC WORKS

STD NO.

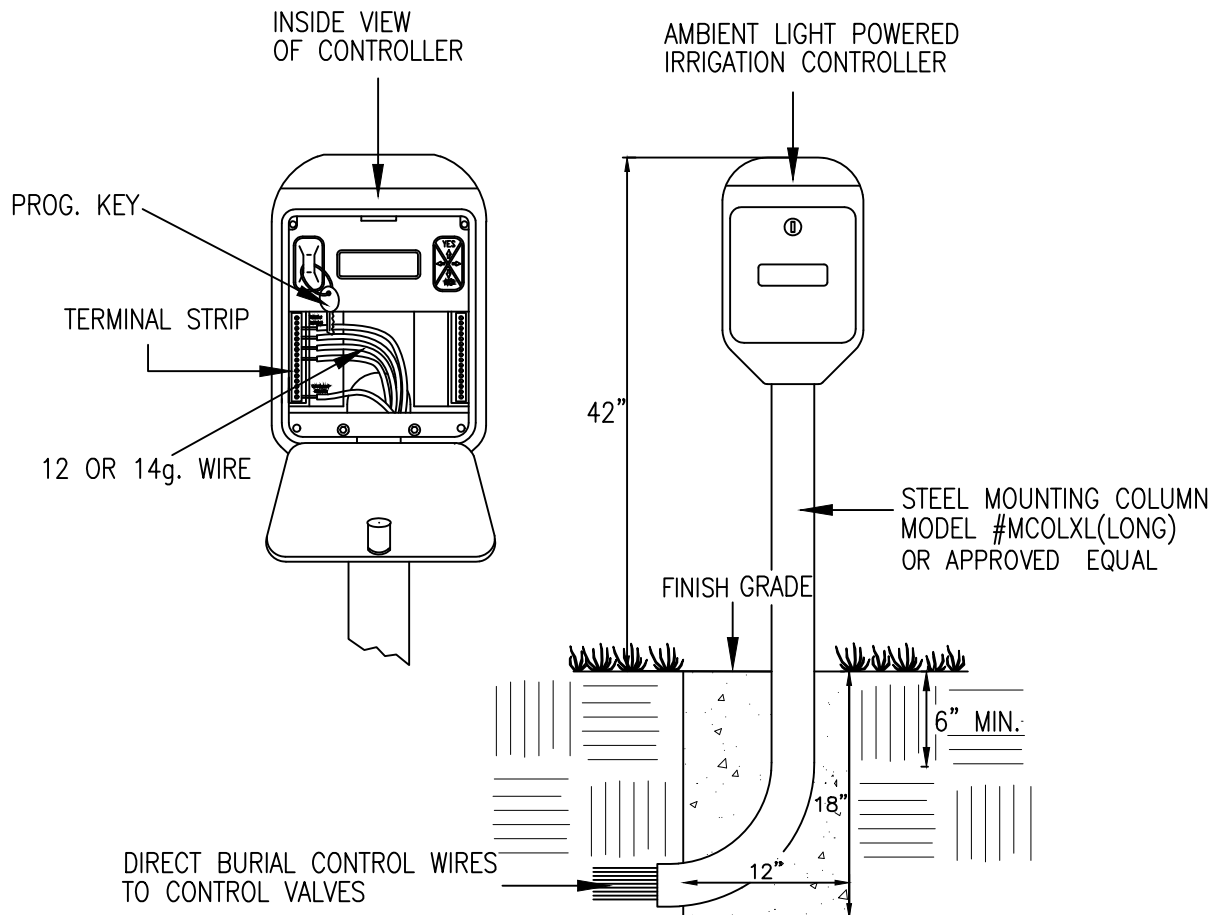


Martin Alvarez
MARTIN ALVAREZ
PUBLIC WORKS DIRECTOR

Feb 19, 2025
DATE

CONTROLLER W/
ENCLOSURE

1013



NOTES:

POUR A 1-1/2 CU. FT. CONCRETE BASE PAD
PER CITY STANDARD 560-C-3250
OR MANUFACTURER'S RECOMMENDATION

N.T.S.

CITY OF PALM DESERT

APPROVED BY:

DEPARTMENT OF PUBLIC WORKS

STD NO.



Martin Alvarez
MARTIN ALVAREZ
PUBLIC WORKS DIRECTOR

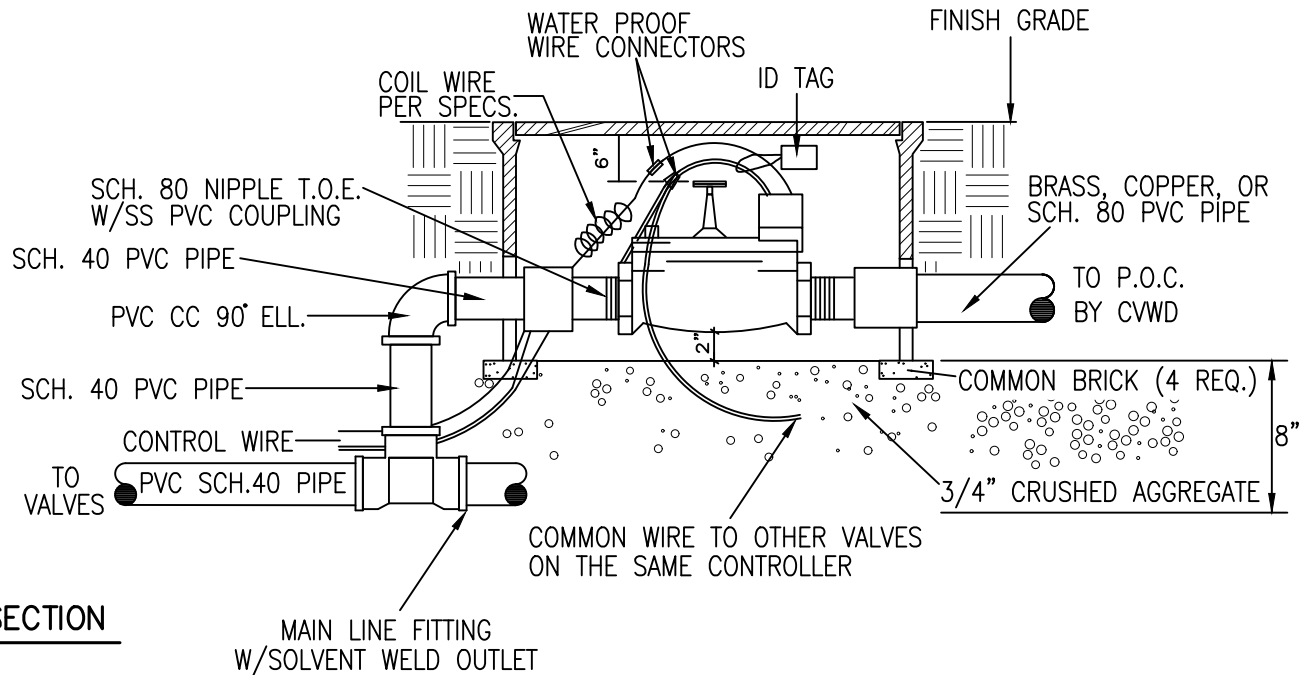
Feb 19, 2025
DATE

AMBIENT LIGHT
IRRIGATION CONTROLLER

1014

MCV

PLAN



SECTION

NOTES:

RAIN BIRD BG SERIES ELEC. CONTROL VALVE
OR APPROVED EQUAL

RECTANGULAR VALVE BOX W/GREEN BOLT DOWN COVER
IN TURF AND TAN IN SHRUB BEDS

HEAT BRAND VALVE STATION NO. ON LID 2" HIGH CHARACTERS

ALL FITTINGS AND PIPE TO BE EITHER BRASS OR COPPER
FROM POINT OF CONNECTION TO CONTROL VALVE ASSEMBLY

CONTROL WIRES FROM CONTROLLER TO BE COLOR ORANGE
UNLESS OTHERWISE SPECIFIED BY THE CITY OF PALM DESERT

ALL CONNECTORS TO BE WATERPROOF

N.T.S.

CITY OF PALM DESERT

APPROVED BY:

DEPARTMENT OF PUBLIC WORKS

STD NO.

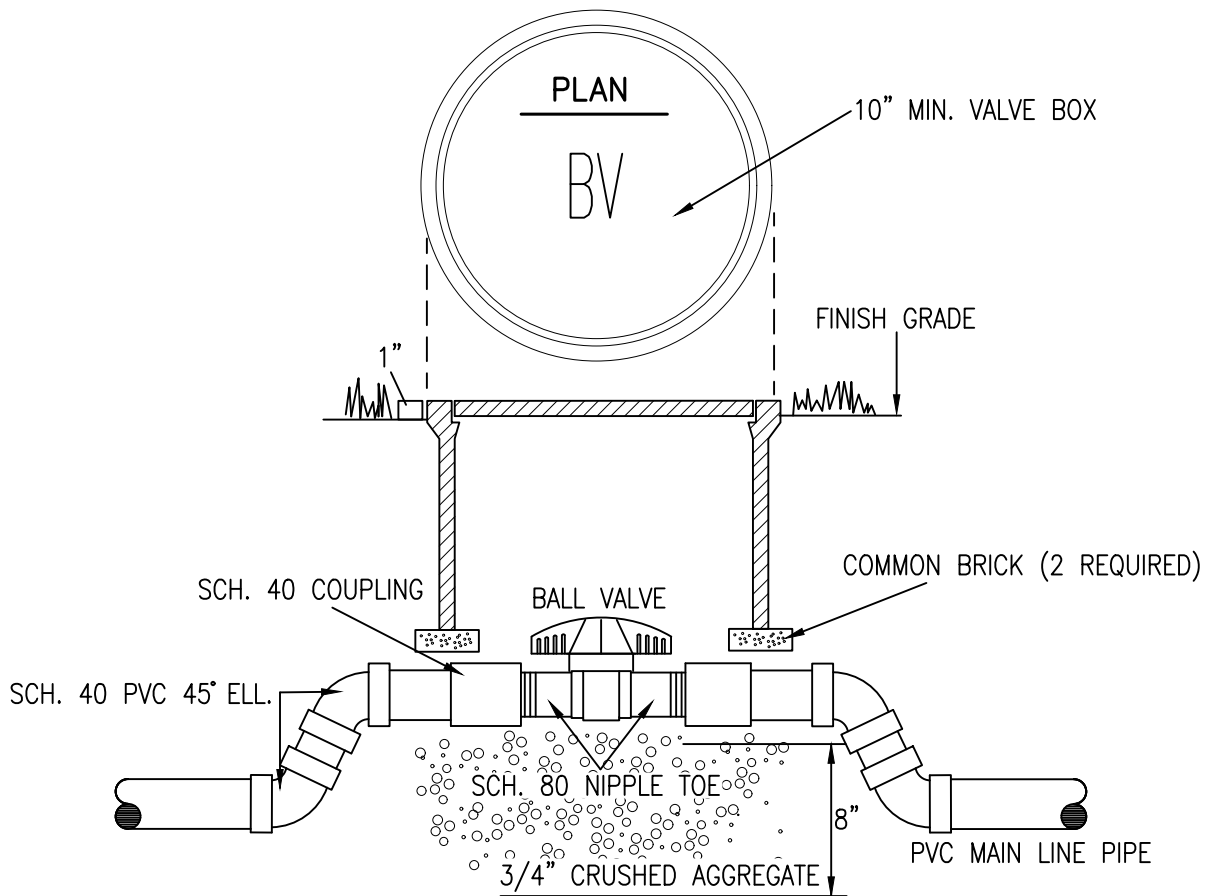


Martin Alvarez
MARTIN ALVAREZ
PUBLIC WORKS DIRECTOR

Feb 19, 2025
DATE

MASTER VALVE
ASSEMBLY DETAIL

1015



SECTION

NOTES:

VALVE BOX WITH TAN BOLT DOWN
COVER - (GREEN IF IN TURF)

HEAT BRAND "BV" ON
VALVE BOX COVER IN 2" HIGH LETTERS.

BRASS BODIED BALL VALVE FULL-PORT

SCH. 40 PVC PIPE EXTENSION, DIA. TO ALLOW
FOR MOVEMENT OF HANDLE ON VALVE
LENGTH AS REQUIRED.

SCH. 80 NIPPLE TOE W/SS PVC COUPLING

N.T.S.

CITY OF PALM DESERT

APPROVED BY:

DEPARTMENT OF PUBLIC WORKS

STD NO.



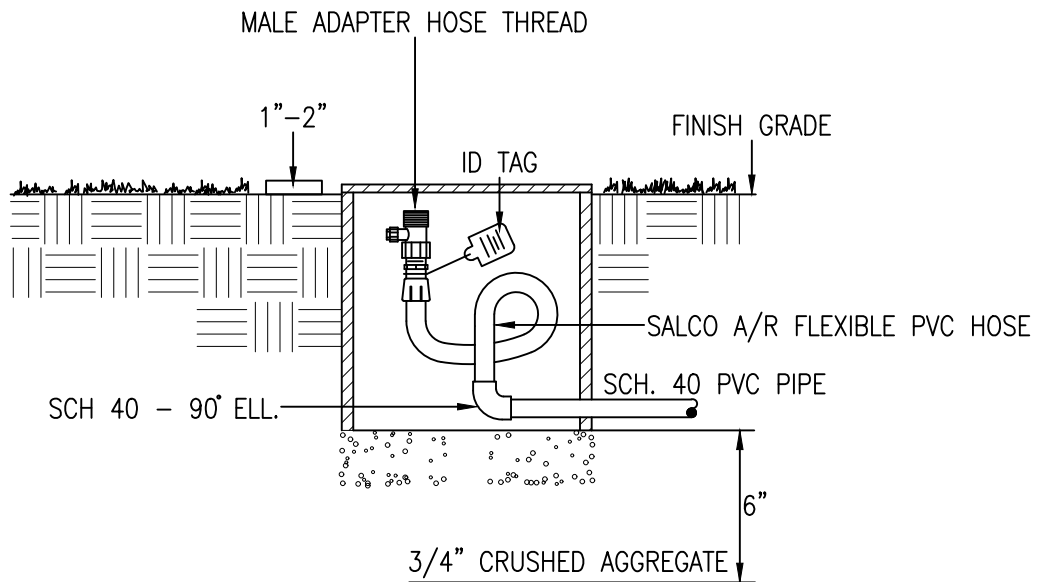
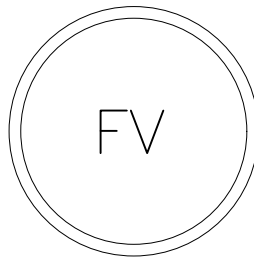
Martin Alvarez
MARTIN ALVAREZ
PUBLIC WORKS DIRECTOR

Feb 19, 2025
DATE

BALL VALVE
ASSEMBLY DETAIL

1016

PLAN



SECTION

NOTES:

- 10" ROUND VALVE
BOX WITH TAN COVER OR GREEN IN TURF
- HEAT BRAND "FV" ON LID
IN 2" HIGH CHARACTERS.
- AG PRODUCTS 3/4"-(PLASTIC) BALL VALVE
- PVC SCH. 40 MALE ADAPTER HOSE THREAD
- SALCO A/R FLEXIBLE PVC HOSE
MINIMUM 3 FOOT LENGTH (OR APPROVED EQUAL)
- USE TEFLON TAPE ON ALL MALE PIPE
THREADS

N.T.S.

CITY OF PALM DESERT

APPROVED BY:

DEPARTMENT OF PUBLIC WORKS

STD NO.

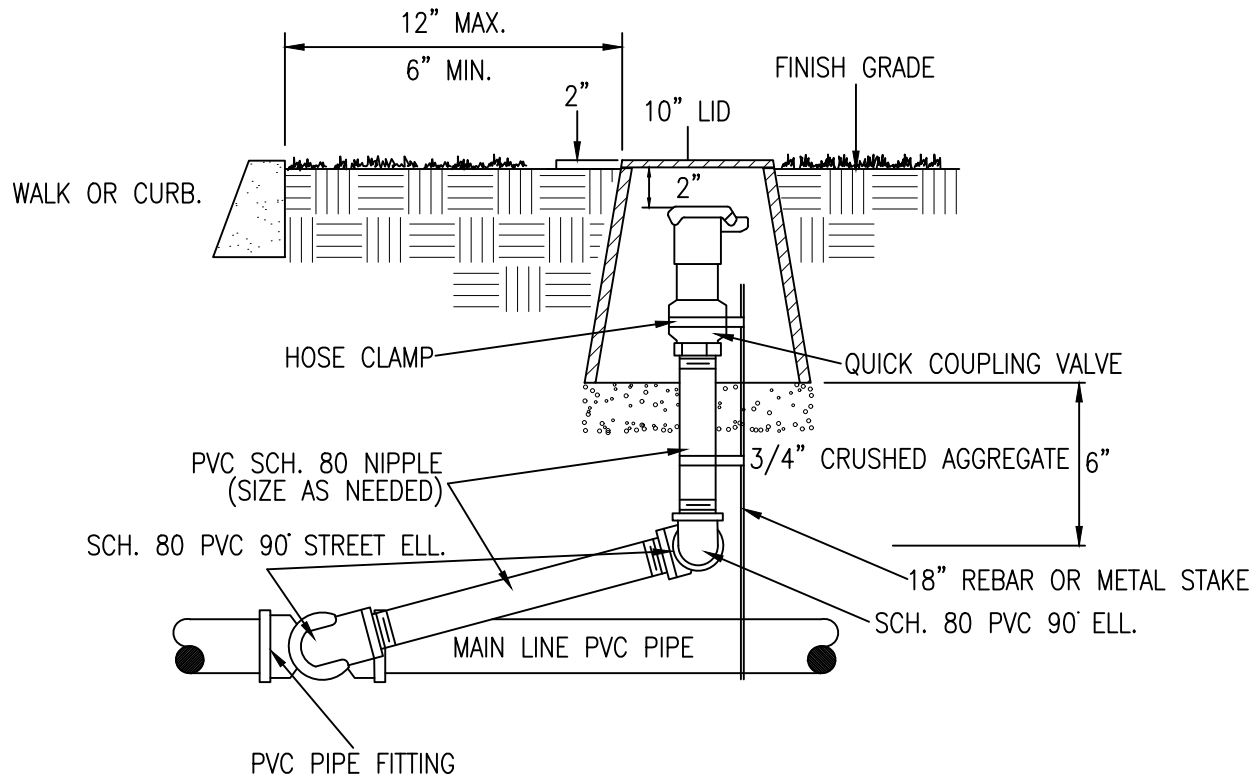


Martin Alvarez
MARTIN ALVAREZ
PUBLIC WORKS DIRECTOR

Feb 19, 2025
DATE

END FLUSH
VALVE DETAIL

1017



NOTES:

VALVE BOX COLOR GREEN IN TURF AREAS
TAN IN DECOMPOSED GRANITE PLANTING BEDS

HEAT BRAND "QCV" ON LID IN 2" HIGH
CHARACTERS.

USE TEFLON TAPE ON ALL MALE PIPE
THREADS

18" REBAR OR METAL STAKE REQUIRED TO ATTACH
COUPLING VALVE (TO FIX UPRIGHT)

N.T.S.

CITY OF PALM DESERT

APPROVED BY:

DEPARTMENT OF PUBLIC WORKS

STD NO.

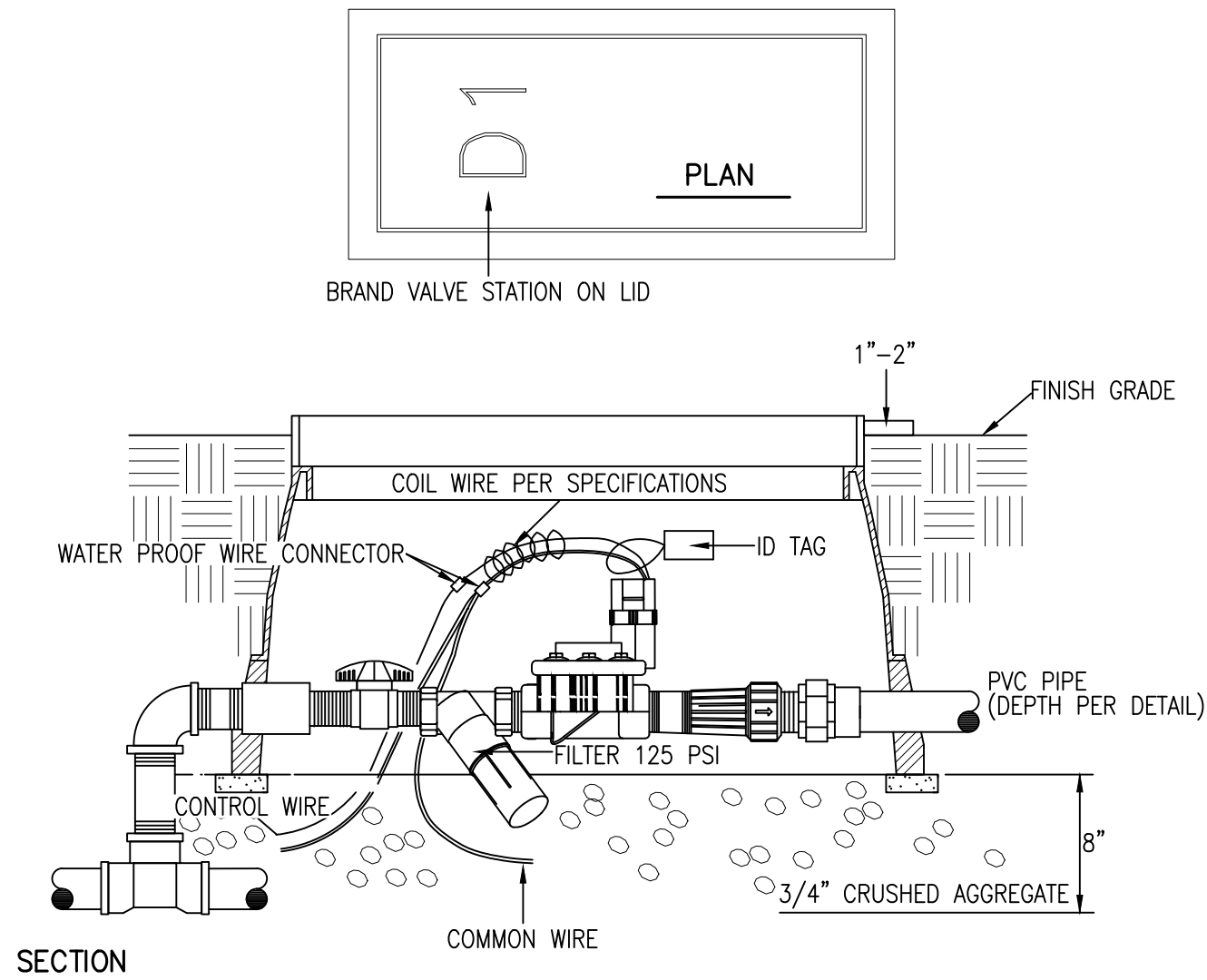


Martin Alvarez
MARTIN ALVAREZ
PUBLIC WORKS DIRECTOR

Feb 19, 2025
DATE

QUICK COUPLING
VALVE

1018



NOTES:

RECTANGULAR VALVE BOX W/GREEN BOLT DOWN
COVER IN TURF AND TAN IN SHRUB BEDS

BRAND VALVE STATION
NO. ON LID IN 2" HIGH CHARACTERS

12" X 18" RECTANGULAR VALVE BOX

FILTER MUST WITHSTAND 125 PSI

IF A SPECIFIC MANUFACTURER'S ASSEMBLY
IS SPECIFIED, FOLLOW THAT MANUFACTURER'S SPECIFICATIONS

(2) BRICKS FOR SUPPORT

N.T.S.

CITY OF PALM DESERT

APPROVED BY:

DEPARTMENT OF PUBLIC WORKS

STD NO.

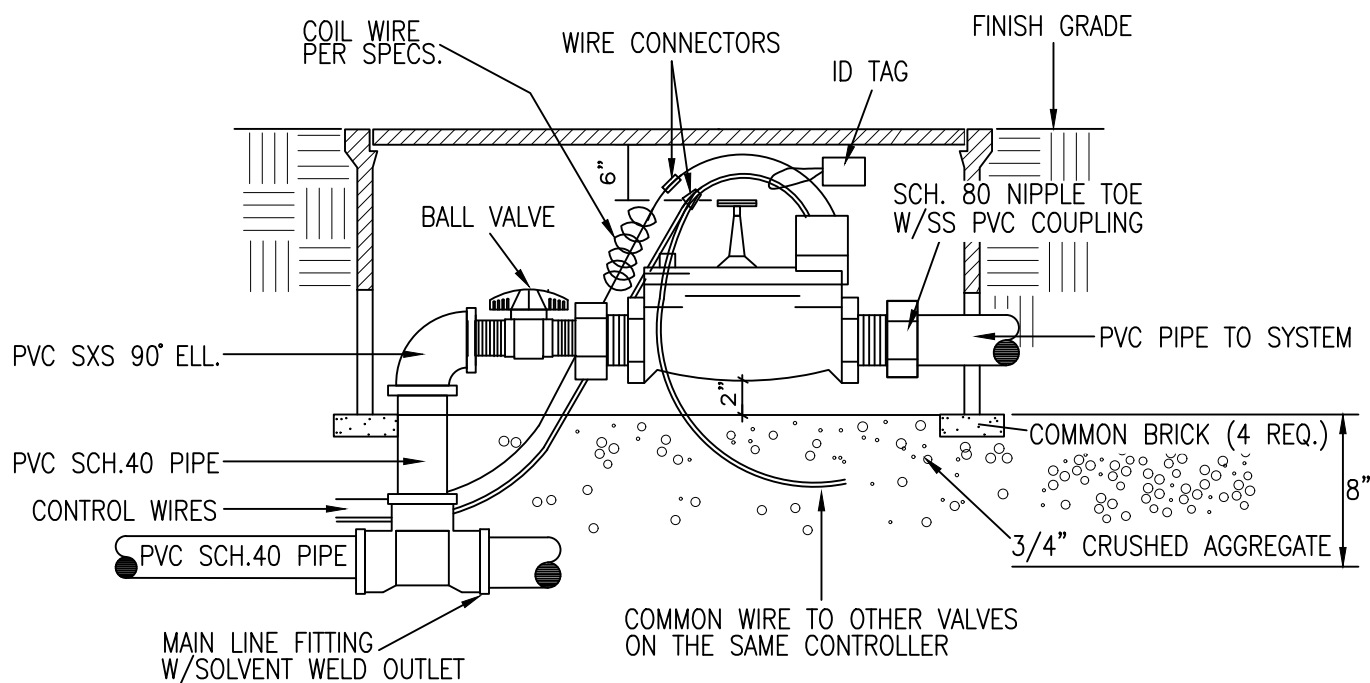


Martin Alvarez
MARTIN ALVAREZ
PUBLIC WORKS DIRECTOR

Feb 19, 2025
DATE

ELECTRIC CONTROL
VALVE (DRIP)

1019



NOTES:

RAIN BIRD BG SERIES ELEC. CONTROL VALVE
OR APPROVED EQUAL

RECTANGULAR VALVE BOX W/GREEN BOLT DOWN COVER
TURF AND TAN IN SHRUB BEDS
HEAT VALVE STATION
NO. ON LID 2" HIGH CHARACTERS

ALL CONNECTORS TO BE WATERPROOF

TOP OF BOX TO BE FLUSH IN TURF AREA
1"-2" ABOVE FG IN SHRUB AREAS

ANGLE PIPE TO SPECIFIED DEPTH
W/45° ELLS.

BALL VALVE MUST BE INSIDE BOX
IF BALL VALVE OUTSIDE
IT MUST BE ENCASED IN A SEPARATE BOX

N.T.S.

CITY OF PALM DESERT

APPROVED BY:

DEPARTMENT OF PUBLIC WORKS

STD NO.

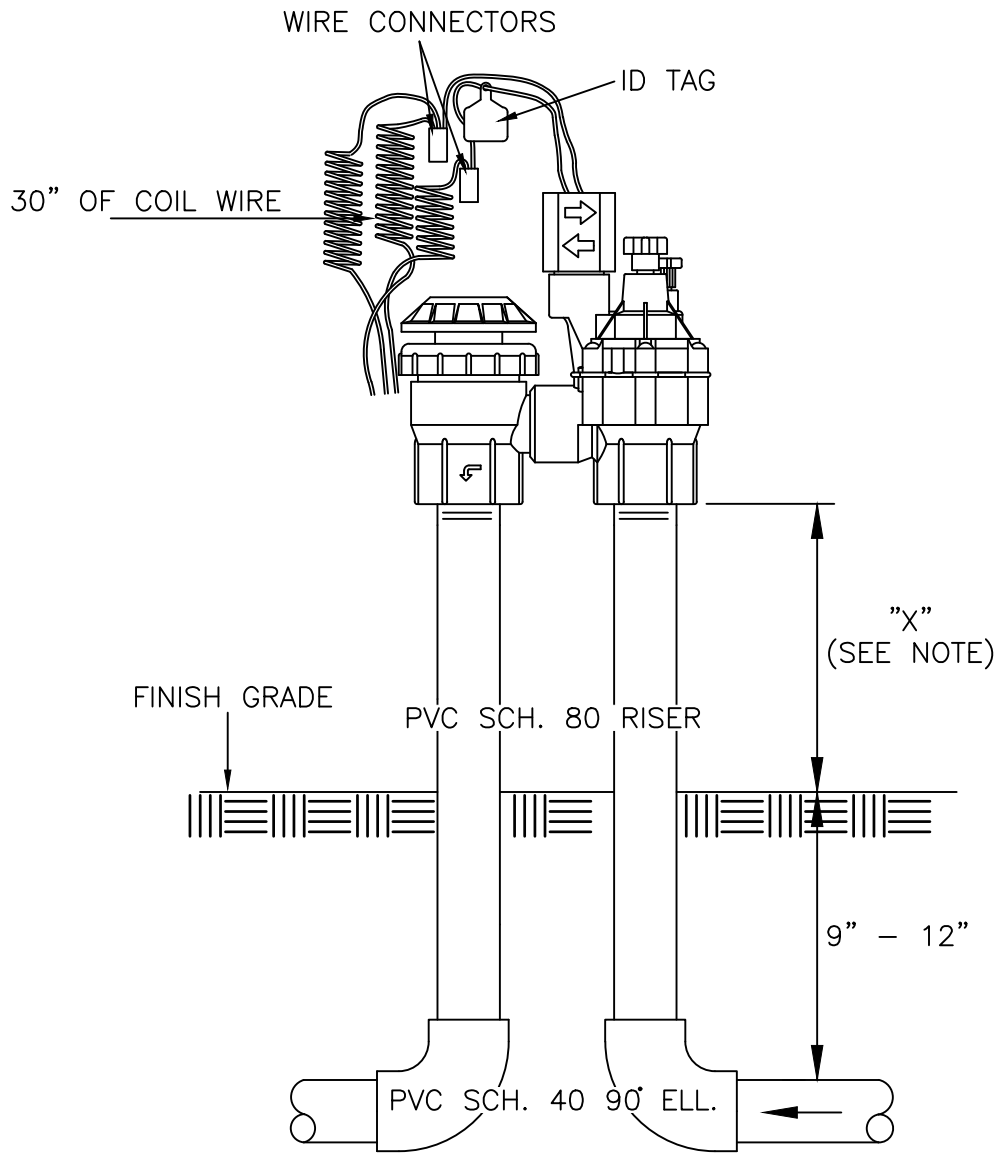


Martin Alvarez
MARTIN ALVAREZ
PUBLIC WORKS DIRECTOR

Feb 19, 2025
DATE

ELECTRIC CONTROL
VALVE (TURF)

1020



NOTES:

REMOTE CONTROL VALVE

FULL PORT BALL HAVE
MUST BE LOCATED AT
MANIFOLD IN 10" ROUND VALVE BOX

"X" = BOTTOM OF VALVE MUST BE 12"
HIGHER THAN THE HIGHEST SPRINKLER HEAD

N.T.S.

CITY OF PALM DESERT

APPROVED BY:

DEPARTMENT OF PUBLIC WORKS

STD NO.

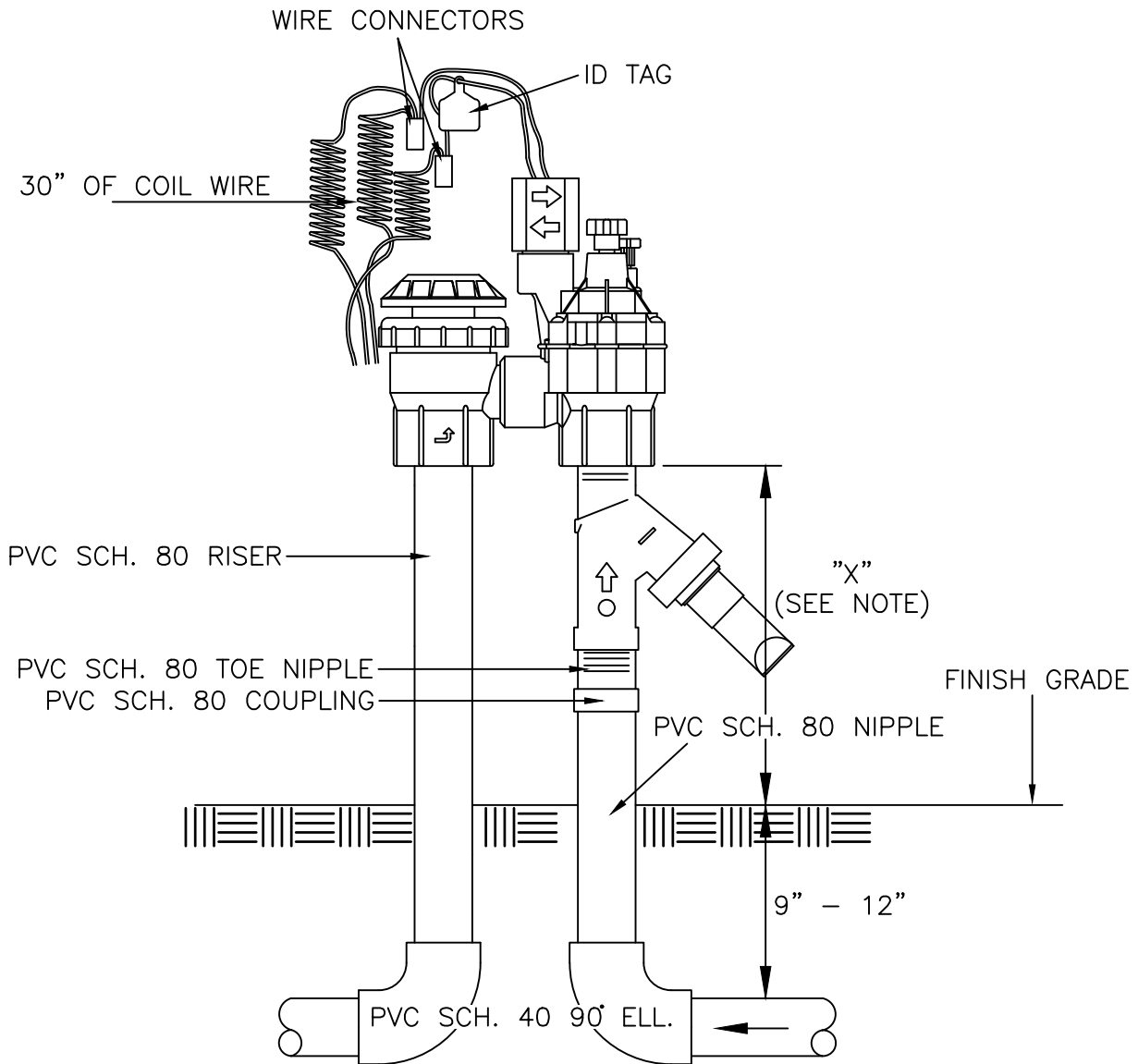


Martin Alvarez
MARTIN ALVAREZ
PUBLIC WORKS DIRECTOR

Feb 19, 2025
DATE

TYPICAL ELECTRIC
CONTROL VALVE

1021



NOTES:

CONTROL ZONE KIT
(INCLUDES LOW FLOW ANTI SIPHON VALVE)
BACK FLUSH PRESSURE REGULATING FILTER,
FILTER MUST WITHSTAND 125 PSI

FULL PORT BALL VALVE
MUST BE LOCATED AT
MANIFOLD IN 10" ROUND VALVE BOX

"X" = BOTTOM OF VALVE MUST BE 12"
HIGHER THAN THE HIGHEST SPRINKLER HEAD

N.T.S.

CITY OF PALM DESERT

APPROVED BY:

DEPARTMENT OF PUBLIC WORKS

STD NO.

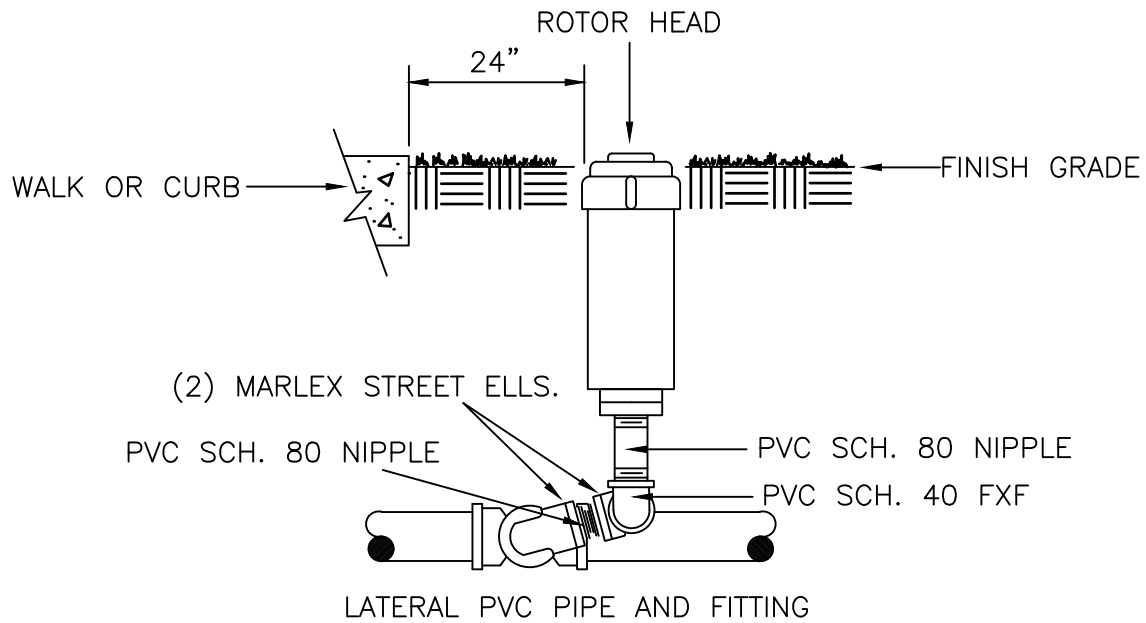


Martin Alvarez
MARTIN ALVAREZ
PUBLIC WORKS DIRECTOR

Feb 19, 2025
DATE

TYPICAL XERIGATION
CONTROL VALVE

1022



NOTES:

SET ROTOR FLUSH WITH FINAL GRADE

PVC SCH. 80 NIPPLE
CUT TO LENGTH AS NEEDED

USE TEFLON TAPE ON ALL MALE PIPE
THREADS

N.T.S.

CITY OF PALM DESERT

APPROVED BY:

DEPARTMENT OF PUBLIC WORKS

STD NO.

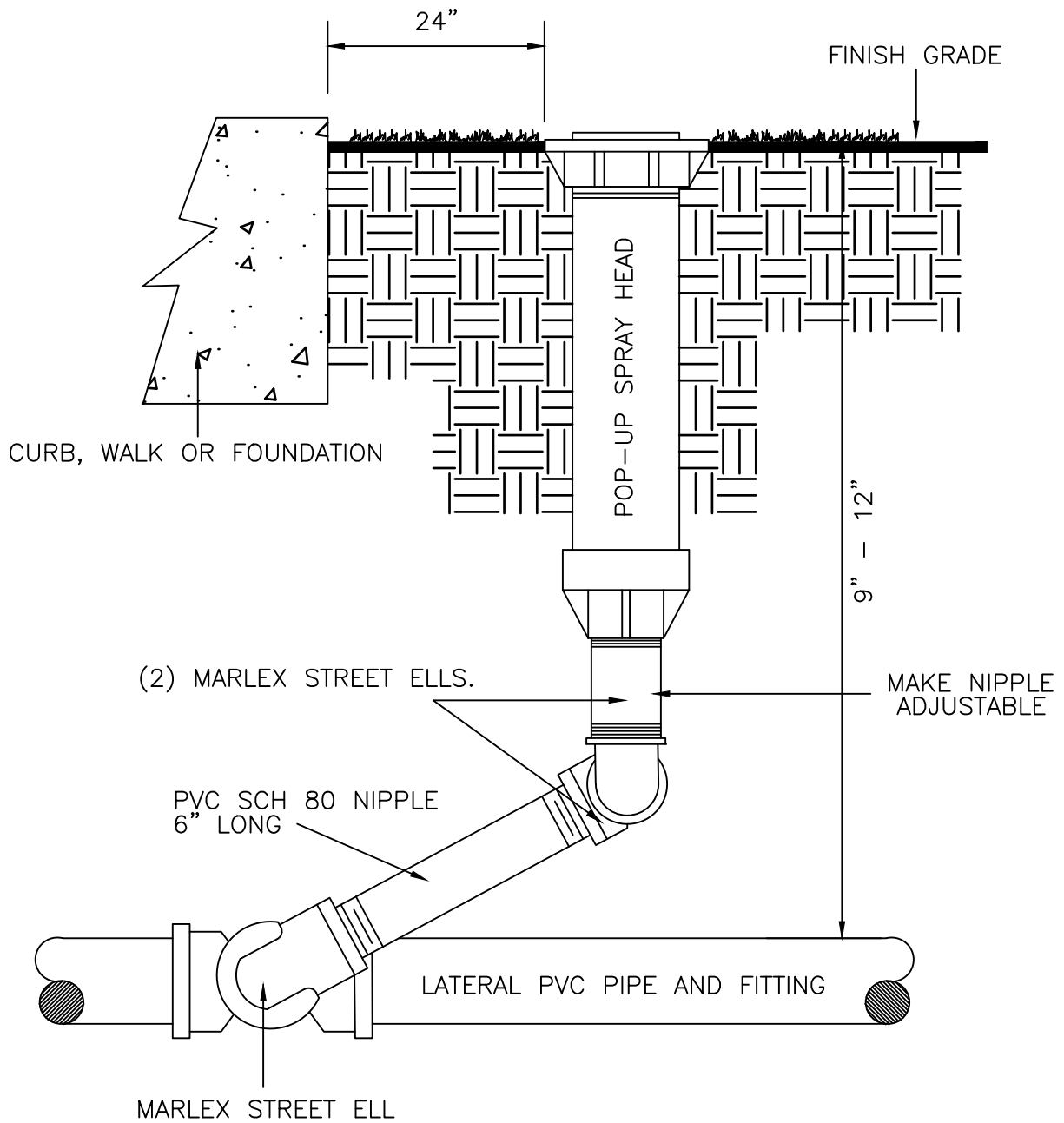


Martin Alvarez
MARTIN ALVAREZ
PUBLIC WORKS DIRECTOR

Feb 19, 2025
DATE

ROTOR HEAD
DETAIL

1023



NOTES:

PRE MANUFACTURED SWING JOINT
MAY BE SUBSTITUTED UPON APPROVAL
BY THE CITY OF PALM DESERT

N.T.S.

CITY OF PALM DESERT

APPROVED BY:

DEPARTMENT OF PUBLIC WORKS

STD NO.

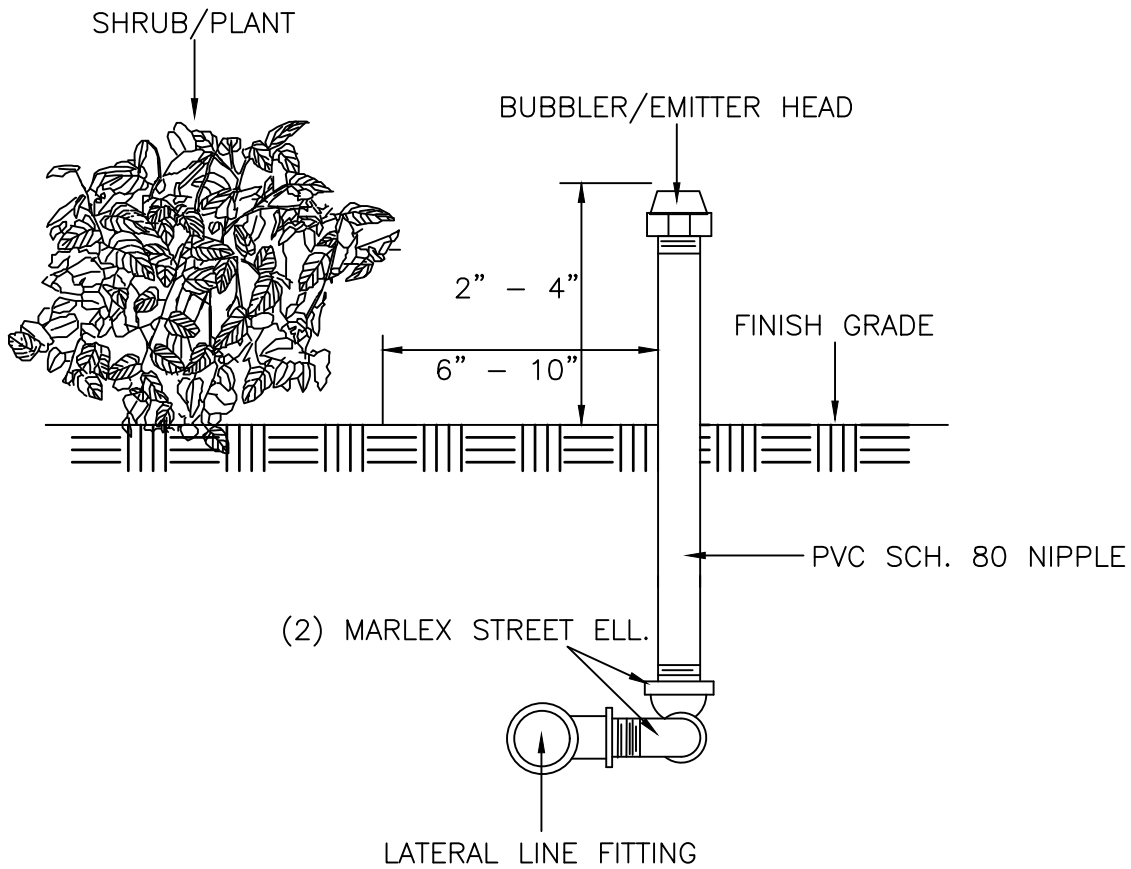


Martin Alvarez
MARTIN ALVAREZ
PUBLIC WORKS DIRECTOR

Feb 19, 2025
DATE

TURF SPRAY
DETAIL

1024



NOTES:

HEADS 2" TO 4" ABOVE FINAL GRADE

EMITTER TO BE 6" TO 10" AWAY FROM
EDGE OF ROOTBALL OR PLANTS/SHRUBS
ON HIGH SIDE OF PLANT

N.T.S.

CITY OF PALM DESERT

APPROVED BY:

DEPARTMENT OF PUBLIC WORKS

STD NO.

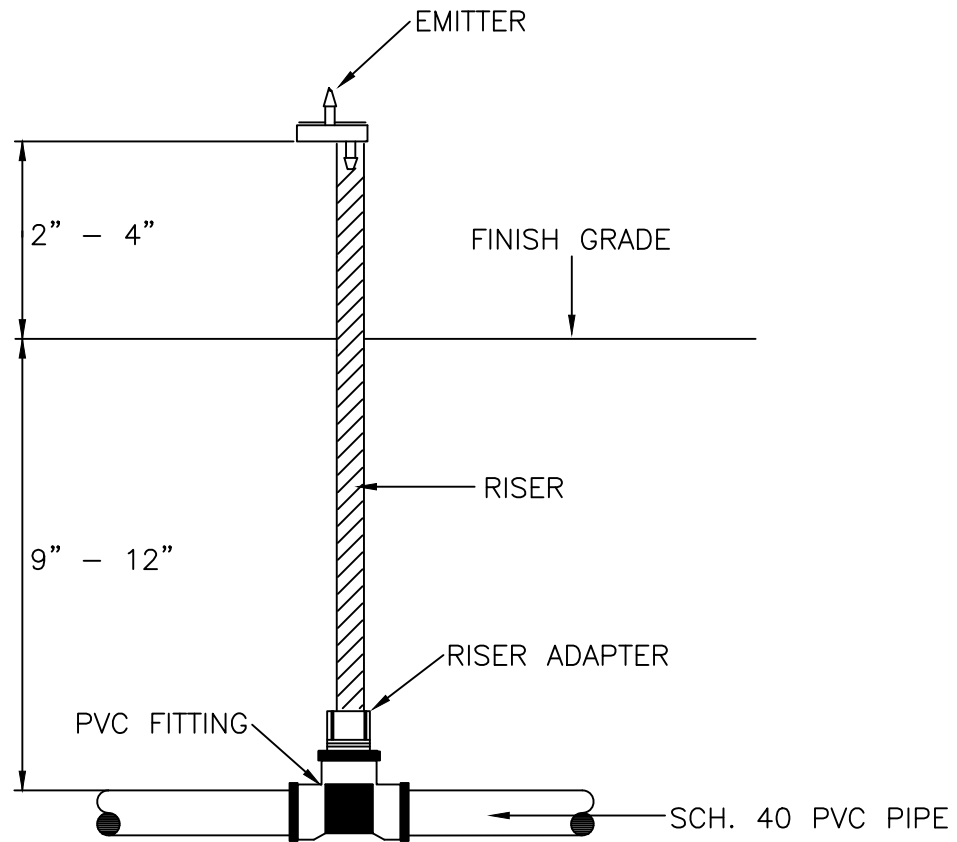


Martin Alvarez
MARTIN ALVAREZ
PUBLIC WORKS DIRECTOR

Feb 19, 2025
DATE

BUBBLER/EMITTER
DETAIL

1025



NOTES:

POLY FLEX RISER 1/4"

EMITTER TO HAVE DIFFUSER CAP IF NEEDED
OR APPROVED EQUAL W/POLY FLEX RISER ADAPTER

PVC FITTING (S X S X 1/2" FIPT.)

PVC PIPE (DEPTH PER SPECIFICATIONS)

N.T.S.

CITY OF PALM DESERT

APPROVED BY:

DEPARTMENT OF PUBLIC WORKS

STD NO.

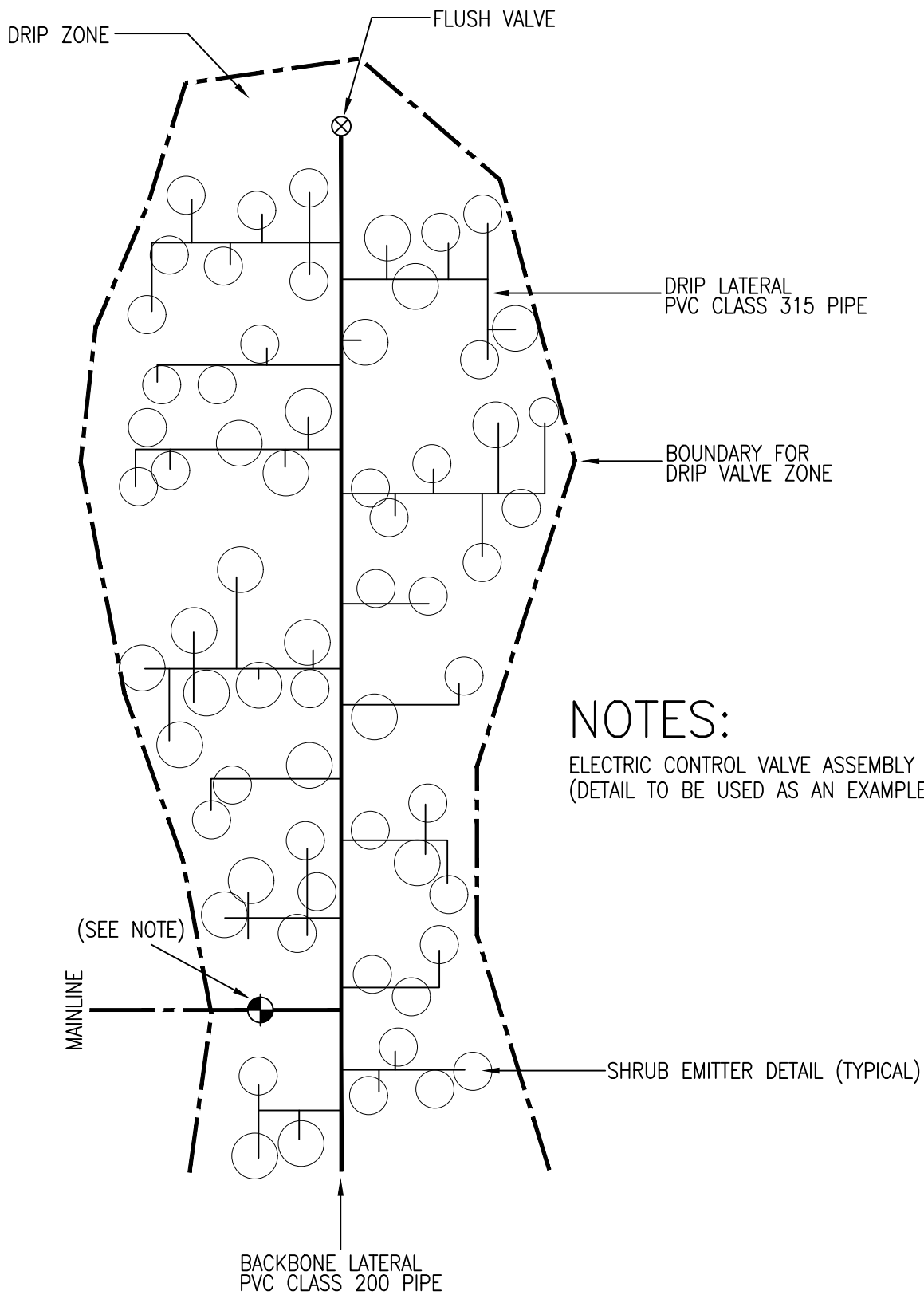


Martin Alvarez
MARTIN ALVAREZ
PUBLIC WORKS DIRECTOR

Feb 19, 2025
DATE

DRIP EMITTER
DETAIL

1026



NOTES:

ELECTRIC CONTROL VALVE ASSEMBLY
(DETAIL TO BE USED AS AN EXAMPLE ONLY)

N.T.S.

CITY OF PALM DESERT

APPROVED BY:

DEPARTMENT OF PUBLIC WORKS

STD NO.



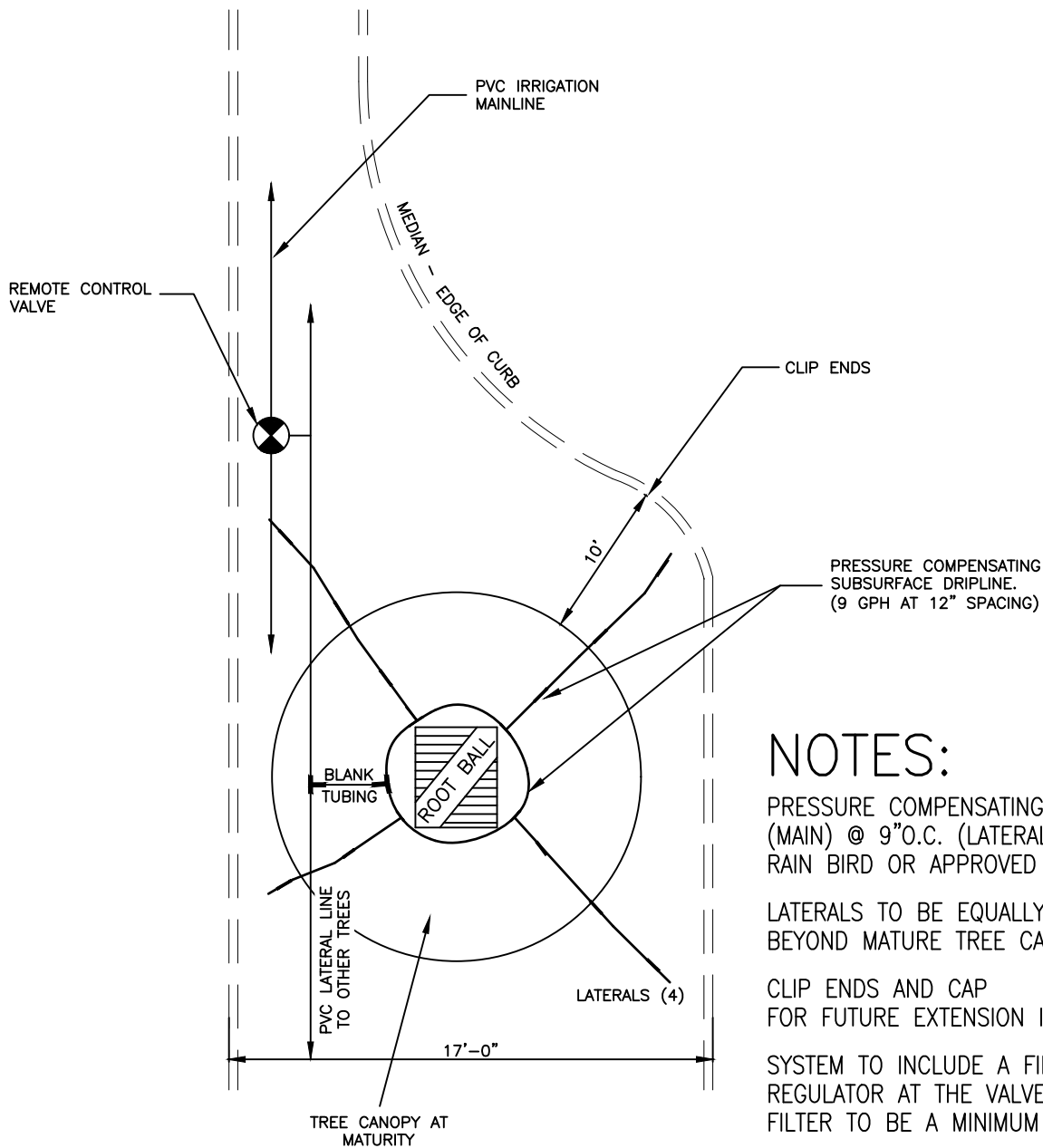
Martin Alvarez
MARTIN ALVAREZ
PUBLIC WORKS DIRECTOR

Feb 19, 2025

DATE

DRIP ZONE
DETAIL

1027



NOTES:

PRESSURE COMPENSATING INLINE EMITTER
(MAIN) @ 9"O.C. (LATERAL) @ 9"O.C.
RAIN BIRD OR APPROVED EQUAL

LATERALS TO BE EQUALLY SPACED 10'FT.
BEYOND MATURE TREE CANOPY (4) TOTAL

CLIP ENDS AND CAP
FOR FUTURE EXTENSION IF NECESSARY

SYSTEM TO INCLUDE A FILTER AND PRESSURE
REGULATOR AT THE VALVE
FILTER TO BE A MINIMUM OF 120 MESH

AIR/VACUUM RELIEF VALVE KIT TO BE INSTALLED
INSTALLATION OF RELIEF VALVE KIT IS TO BE
BELOW 50:1

FLUSH CAP AT LATERAL AND FURTHEST FROM
PVC CONNECTION

DRIPLINE OPERATION INDICATOR PER VALVE RUN

USE TIE DOWN STAKES AT EACH CHANGE IN
DIRECTION

N.T.S.

CITY OF PALM DESERT

APPROVED BY:

DEPARTMENT OF PUBLIC WORKS

STD NO.



Martin Alvarez
MARTIN ALVAREZ
PUBLIC WORKS DIRECTOR

Feb 19, 2025

DATE

TREE EMITTER

1028