

EXISTING UNDERGROUND UTILITIES

SANITARY SEWER — 8" S —
 WATER LINE — 6" W —
 STORM DRAIN — 24" S.D. —
 GAS LINE — 2" G —
 IRRIGATION LINE — 20" IRR. —

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

EXISTING TOPOGRAPHY

BLOCK WALL
 BOARD FENCE
 WIRE FENCE
 CHAIN LINK FENCE

TOP OF SLOPE
 TOE OF SLOPE
 DIRECTION OF FLOW
 RETAINING WALL

SANITARY SEWER M.H.
 STORM DRAIN M.H.
 TELEPHONE VAULT
 JOINT USE POLE
 WATER METER
 FIRE HYDRANT

POLE & GUY ANCHOR
 ELECTRICAL POLE
 TELEPHONE POLE
 TRAFFIC SIGN
 STREET NAME SIGN
 MAIL BOX

GAS METER
 RAILROAD TRACKS
 RAILROAD SIGNAL
 PULL BOX
 STREET LIGHT
 VALVE

SANITARY SEWER CLEANOUT

STREET LIGHT (UPRIGHT)

TRAFFIC SIGNAL

STREET LIGHT & TRAFFIC SIGNAL ON MAST ARM

WALK - DON'T WALK PEDESTRIAN SIGNAL

CONCRETE

ASPHALT

EDGE OF PAVEMENT
 (ASPHALT)
 (DIRT)

BUILDING

UNDERGROUND STRUCTURE

OVERHANGING STRUCTURE

PEDESTRIAN PUSH BUTTON

TRAFFIC SIGNAL CONTROLLER

TRAFFIC SIGNAL ON SIGNAL MAST ARM

TRAFFIC SIGNAL LOOP DETECTOR - 6' x 6'

TRAFFIC SIGNAL LOOP DETECTOR - 6' DIA.

CITRUS TREE

DECIDUOUS TREE

PALM TREE

TREE STUMP

SHRUBBERY

DATE: SEPT. 2001

Signature on File
 CITY ENGINEER

UNDERGROUND AND TOPOGRAPHY LEGEND

DEPARTMENT OF PUBLIC WORKS

CITY OF PALM DESERT

SCALE: NONE

STD DRAWING NO.

100

<u>ABBREVIATION</u>	<u>DEFINITION</u>
A.C.	Asphaltic Concrete
Ac.	Acre
Area	Area
Ave.	Avenue
Avg.	Average
B.C.	Beginning of Curve
B.C.R.	Beginning of Curb Return
B.M.	Bench Mark
B.V.C.	Beginning of Vertical Curve
Blvd.	Boulevard
C	Center
C&G	Curb & Gutter
C.B.	Catch Basin
c.f.	Curb Face
C.I.	Cast Iron
C.M.P.	Corrugated metal pipe
C.M.P.A.	Corrugated metal pipe arch
C.O.	Cleanout
C.P.	Concrete pipe
C.R.	Curb Return
C.T.B.	Cement treated base
c.y.	Cubic Yards
Calc.	calculated
Cb.	Curb
C-C	Center to Center
Cir.	Circle
CL	Center Line
Co.	County or Company
conc.	Concrete
const.	Construct
cor.	Corner
cu. ft.	Cubic feet
D.G.	Decomposed Granite
D/W	Driveway
Dr.	Drive
E.	East
E.C.	End of Curve
E.C.R.	End of Curb Return
E.P.	Edge of Existing Paving
E.V.C.	End of Vertical Curve
Elev.	Elevation
E'ly	Easterly
Est.	Estimate
Exc.	Excavation
Exist	Existing
F.B.	Field Book
F.H.	Fire Hydrant
F.L.	Flow Line
Fd.	Found
Ft.	Foot
Guy	Guy wire of pole
Hor.	Horizontal
I.B.M.	Imported Base Material
Inv.	Invert
L.F.	Linear Feet
Lat.	Lateral
Lt.	Left
M.H.	Manhole
M.O.	Middle Ordinate
M.O.C.	Middle of Curve

<u>ABBREVIATION</u>	<u>DEFINITION</u>
M.V.	Mercury Vapor
Max.	Maximum
Min.	Minimum
N.	North
N.T.S.	Not to Scale
NE'ly	Northeasterly
N'ly	Northerly
No.	Number
NW'ly	Northwesterly
O.C.	On Center
Opp.	Opposite
P.B.	Pull Box
P.C.	Point of Curvature
P.C.C.	Point of Compound Curvature or Portland Cement Concrete
P.C.V.C.	Point of Compound Vertical Curve
P.I.	Point of Intersection
P.P.	Power Pole
P.R.C.	Point of Reverse Curvature
P.R.V.C.	Point of Reverse Vertical Curve
P.T.	Point of Tangency
PL	Property Line
Pt.	Point
R.	Radius
R.C.P.	Reinforced Concrete Pipe
R.E.	Registered Engineer
R.S.	Record of Survey
R.W. Hdr.	Redwood Header
R/R	Railroad
R/W	Right of Way
Rd.	Road
Rec.	Record
Riv.	Riverside
Rt.	Right
S.	South
S.B.	San Bernardino
S.D.	Storm Drain
S/W	Sidewalk
Sec.	Section
SE'ly	Southeasterly
S'ly	Southerly
Spec.	Specifications
Spk.	Spike
Sq.	Square
SBB&M	San Bernardino Base & Meridian
St.	Street
Sta.	Station
Std.	Standard
Stk.	Stake
SW'ly	Southwesterly
T.C.	Top of Curb
T.P.	Top of Pavement
Tel.	Telephone
Typ.	Typical
V.C.	Vertical Curve
V.C.P.	Vitrified Clay Pipe
V.P.I.	Vertical Point of Intersection
Vert.	Vertical
W.	West
W'ly	Westerly

DATE: SEPT. 2001

STANDARD ABBREVIATIONS

SCALE: NONE

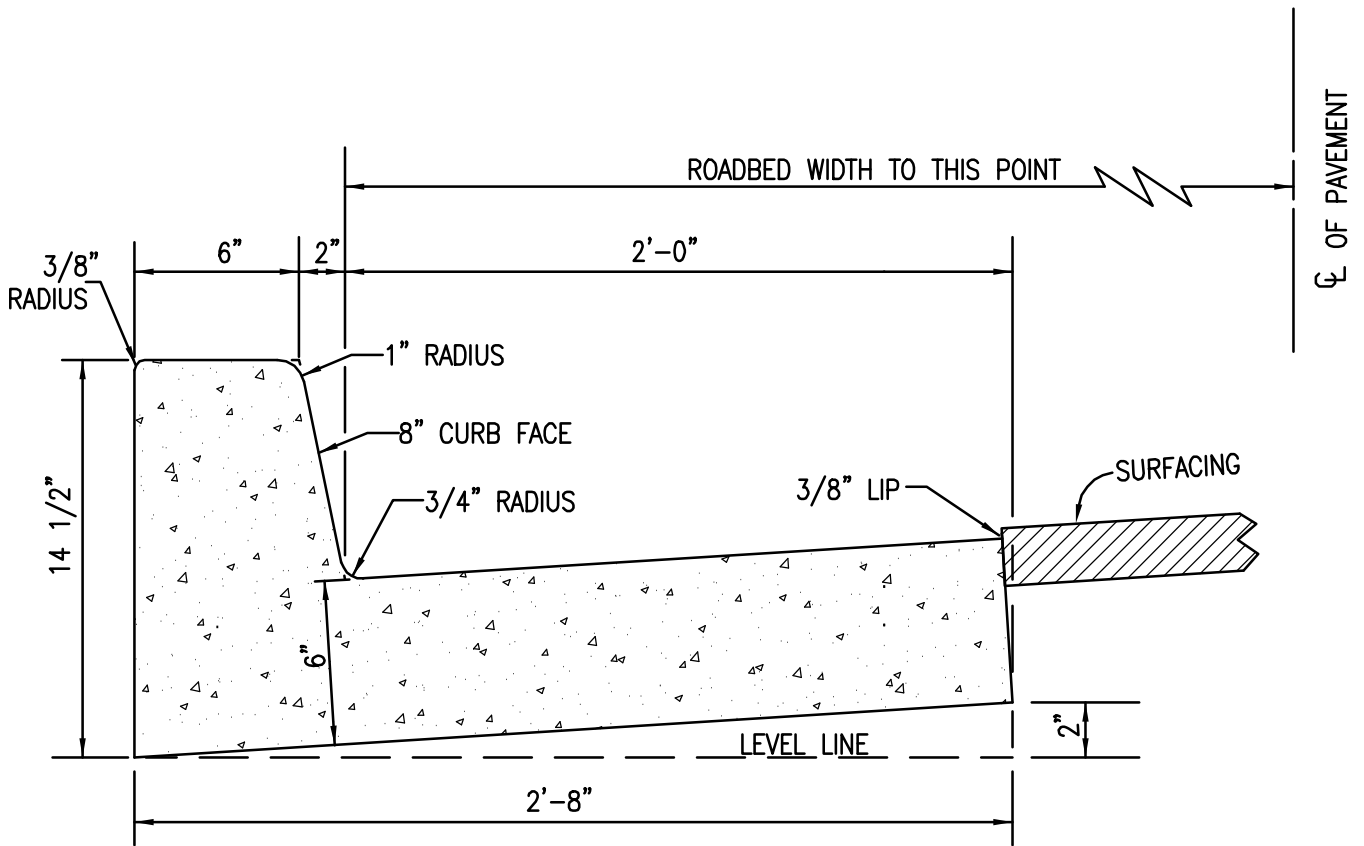
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CITY ENGINEER

DEPARTMENT OF PUBLIC WORKS

CITY OF PALM DESERT

STD DRAWING NO.

101

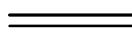


TYPICAL SECTION

NOTES:

1. ALL CONCRETE SHALL BE 560-C-3250
2. CU. YD. = 15.6 L.F. 1.73 CU. FT./LF.
3. CURB FACE SHALL BE AS SPECIFIED ON PLANS.
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.

LEGEND ON PLANS



DATE: SEPT. 2001

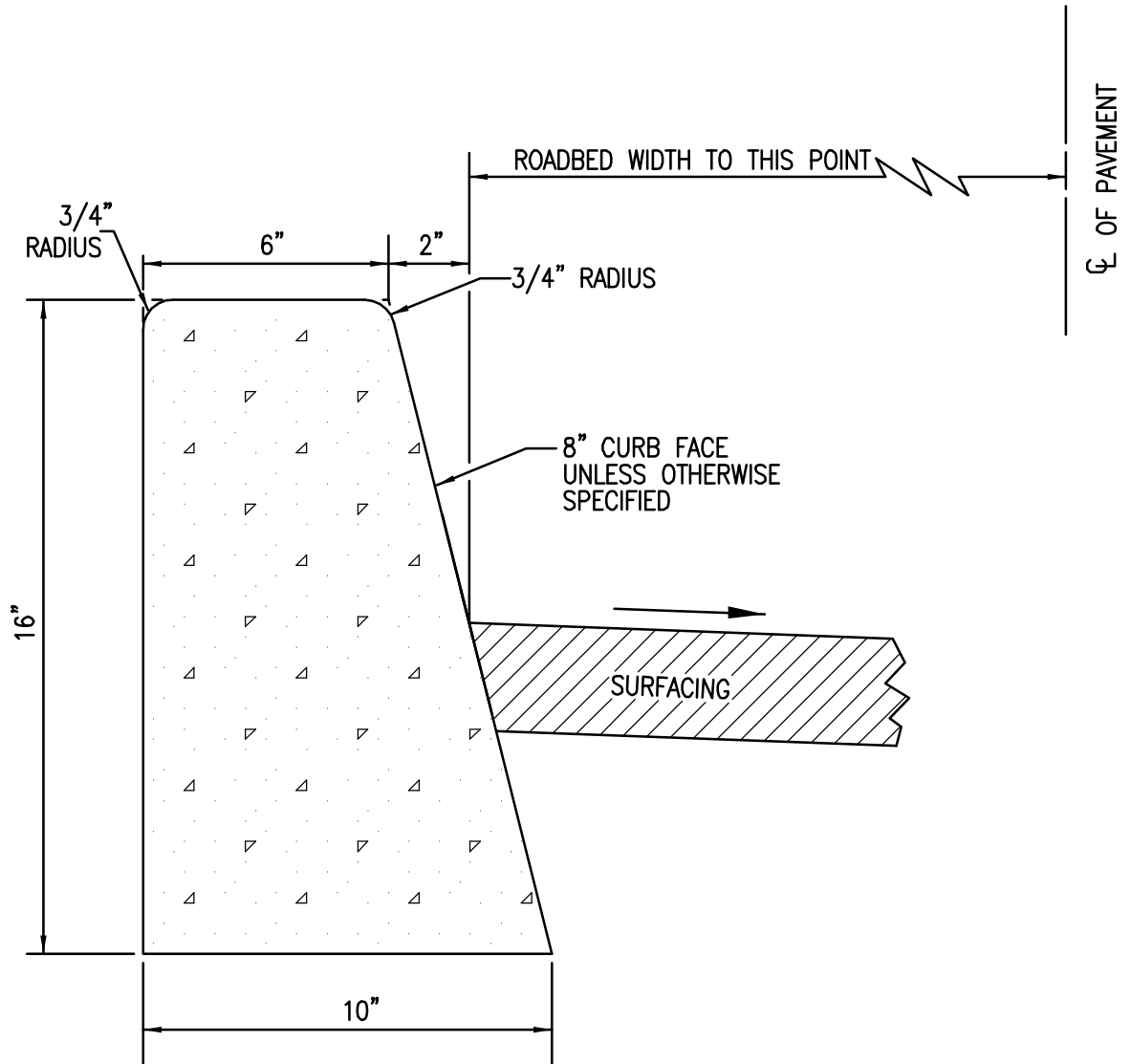
Signature on File
CITY ENGINEER

CURB AND GUTTER – TYPE I

DEPARTMENT OF PUBLIC WORKS CITY OF PALM DESERT

SCALE: NONE

STD DRAWING NO.
102



NOTES:

1. ALL CONCRETE SHALL BE 560-C-3250.
2. 0.888 Cu.Ft./L.F. } 8" CURB
3. CU. YD. = 30.41 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.

LEGEND ON PLANS

DATE: SEPT. 2001

CURB - TYPE II

SCALE: NONE

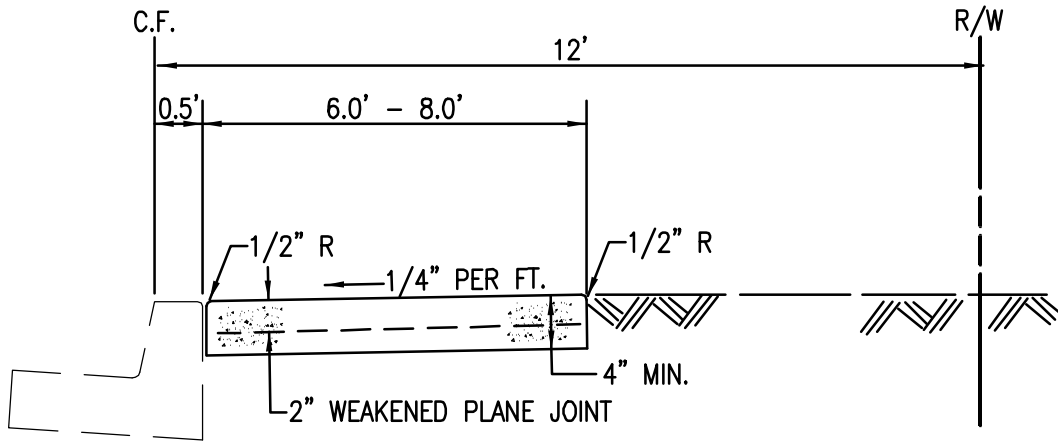
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CITY ENGINEER

DEPARTMENT OF PUBLIC WORKS

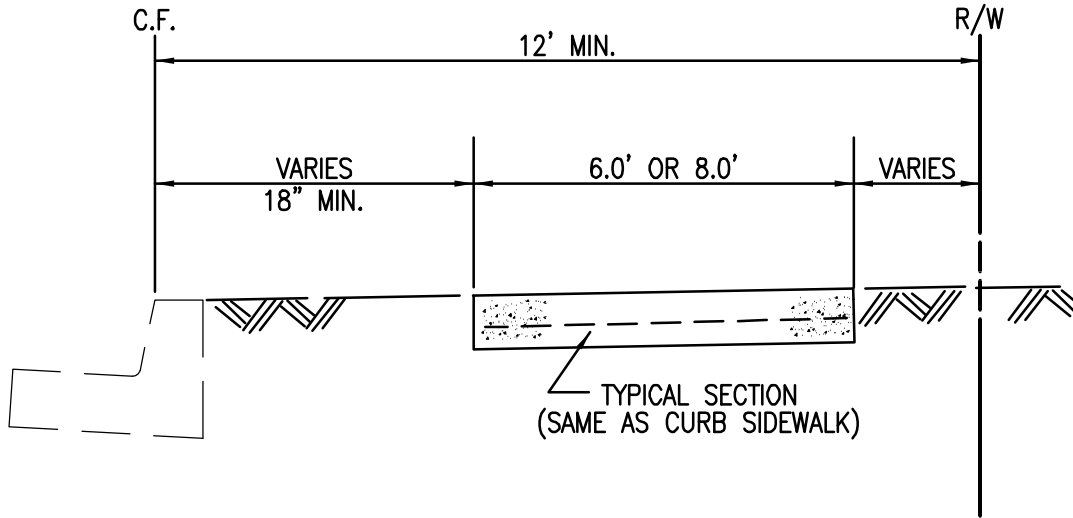
CITY OF PALM DESERT

STD DRAWING NO.

103



CURB – SIDEWALK



MEANDERING – SIDEWALK

NOTES:

1. ALL CONCRETE SHALL BE 560-C-3250.
2. DIMENSIONS ON MEANDERING SIDEWALK AS SPECIFIED ON APPROVED LANDSCAPE PLANS.
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. SEE ALSO STD. DRAWING NO. 310-1.

DATE: SEPT. 2001

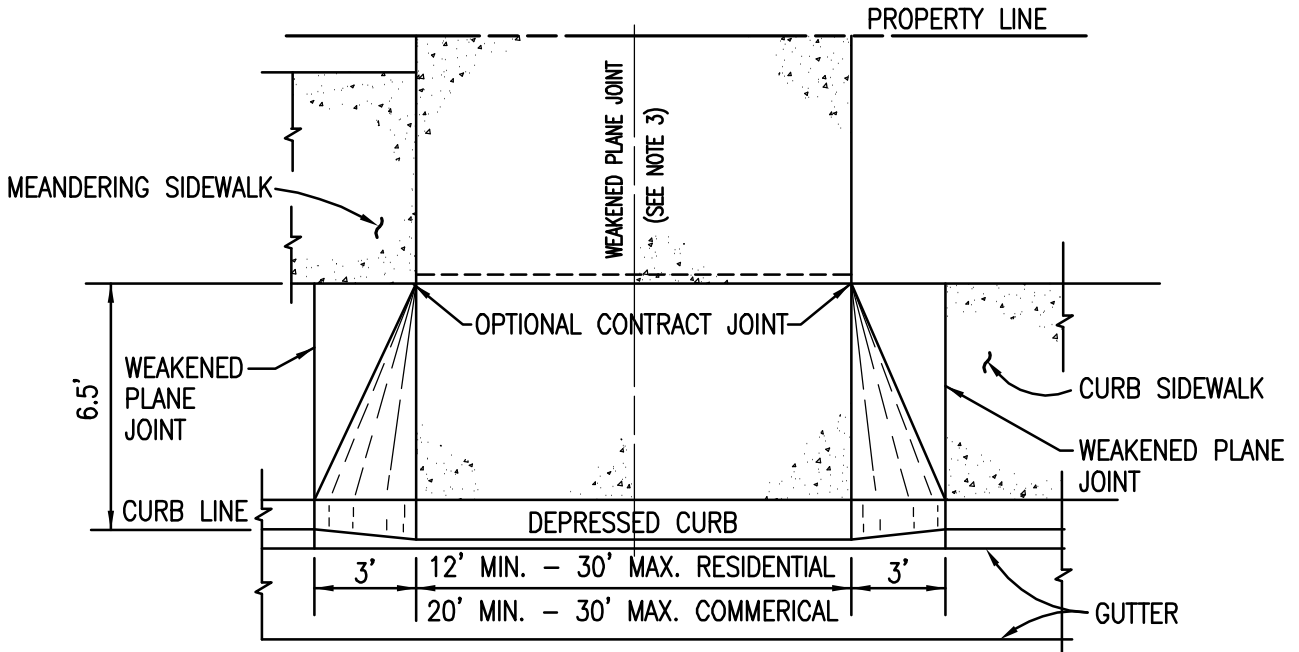
Signature on File
CITY ENGINEER

SIDEWALK

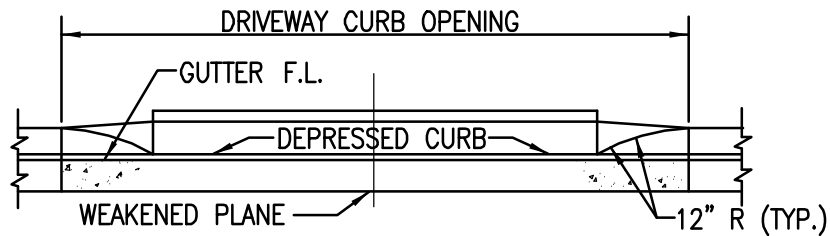
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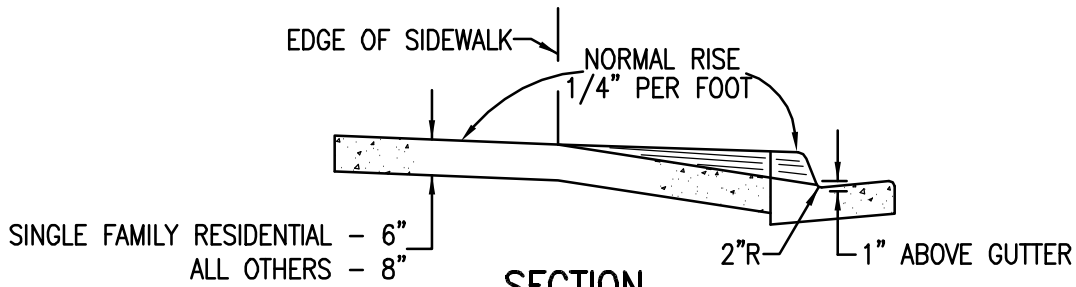
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104



PLAN



ELEVATION

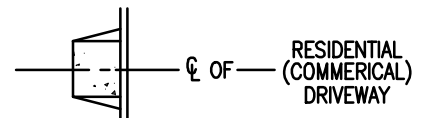


SECTION

NOTES:

1. MIN. 22' REQUIRED BETWEEN DRIVEWAYS IN COMMERCIAL ZONE.
2. ALL CONCRETE SHALL BE 560-C-3250
3. WEAKENED PLANE JOINTS REQUIRED ON DRIVEWAY ϕ FOR DRIVEWAYS 12' TO 20' WIDE, DRIVEWAYS WIDER THAN 20' SHALL HAVE TWO WEAKENED PLANE JOINTS EVENLY SPACED.

LEGEND ON PLANS



DATE: SEPT. 2001

CONCRETE DRIVEWAYS

SCALE: NONE

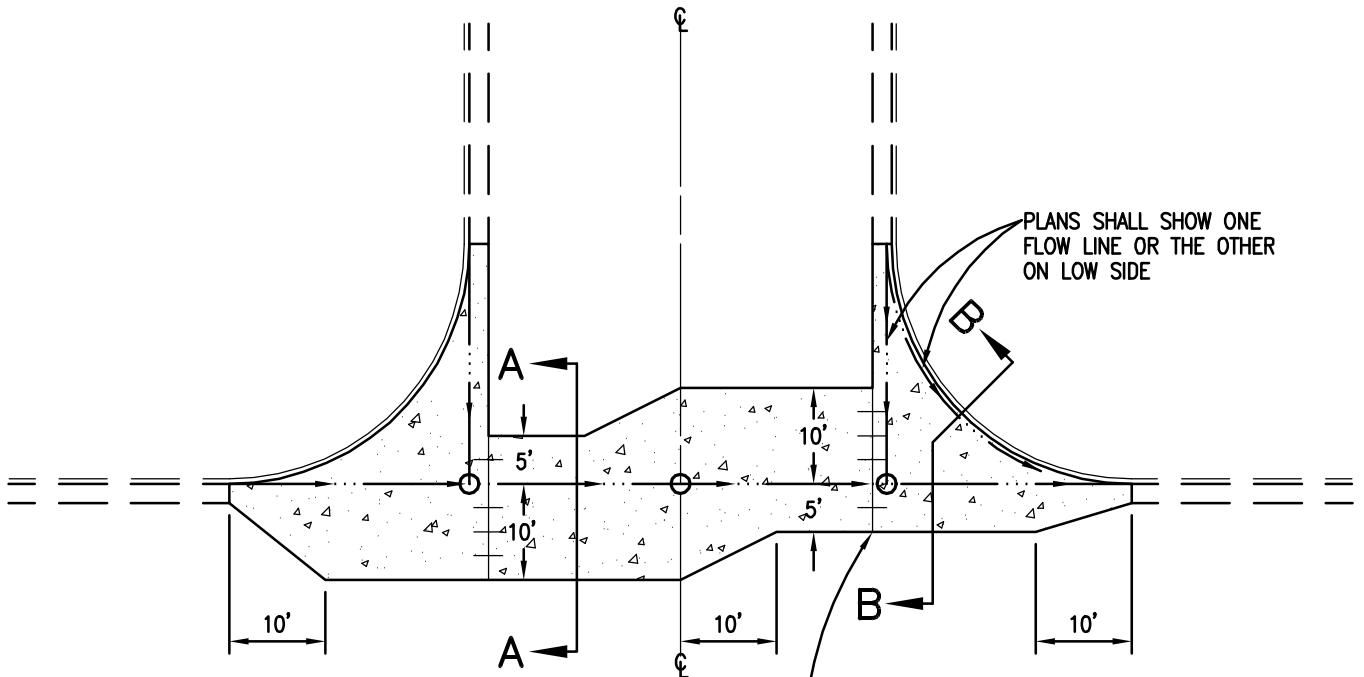
Signature on File
CITY ENGINEER

DEPARTMENT OF PUBLIC WORKS

CITY OF PALM DESERT

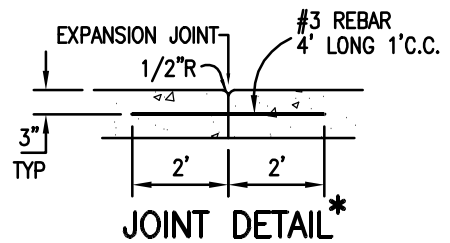
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105

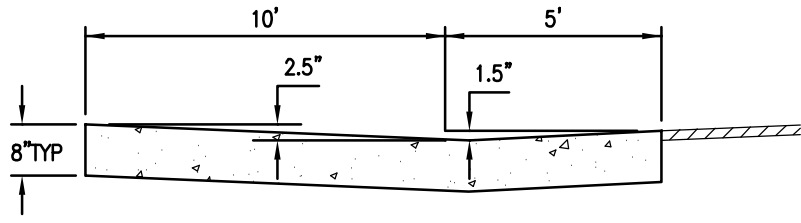


* CONTACT JOINTS PER DETAIL, OTHERWISE CONSTRUCT STANDARD WEAKENED PLANE JOINTS (TYP)
 * NOTE: USE WHEN SEPARATE POURS MADE

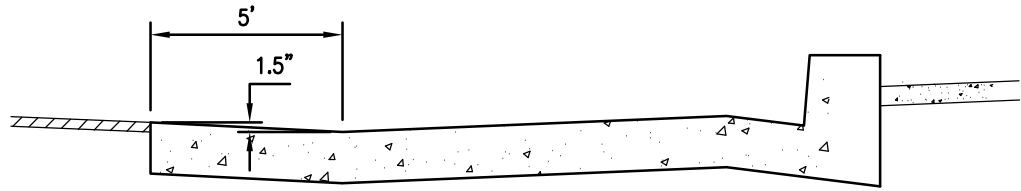
PLAN



JOINT DETAIL*



SECTION A-A

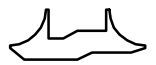


SECTION B-B

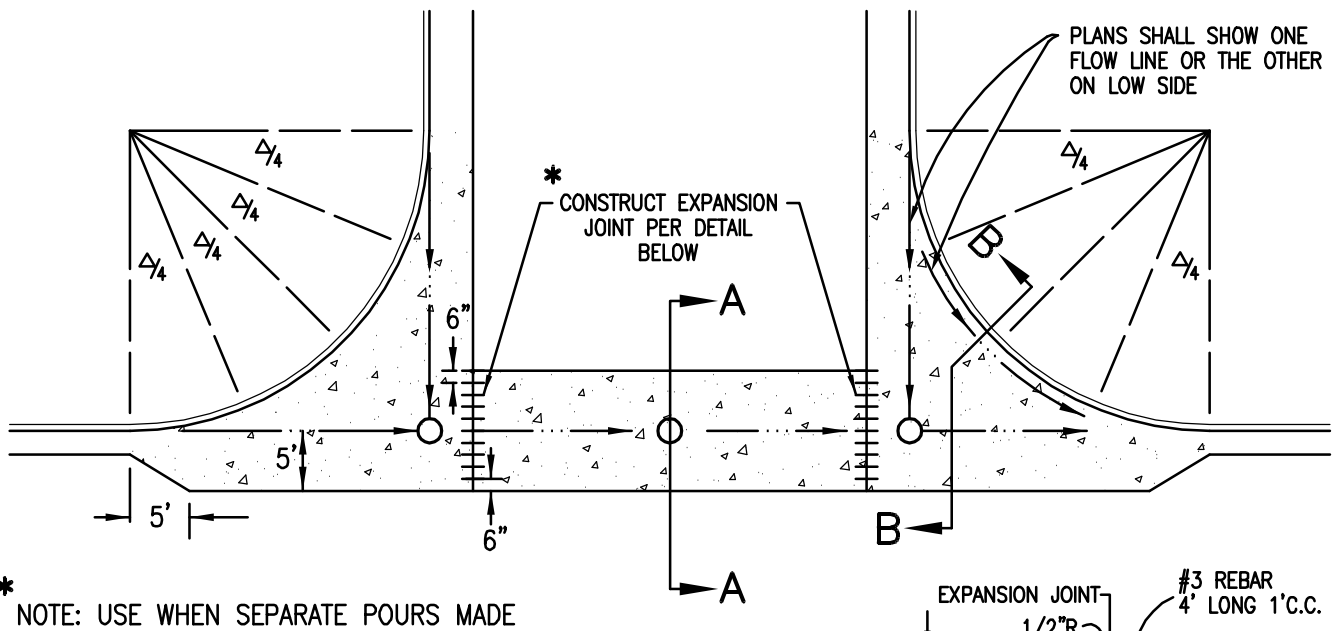
NOTES:

1. ALL CONCRETE SHALL BE 560-C-3250
2. ———— = TYPICAL FLOWLINES
3. ○ = ELEVATIONS TO BE SHOWN ON PLANS

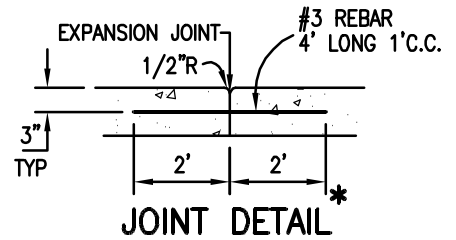
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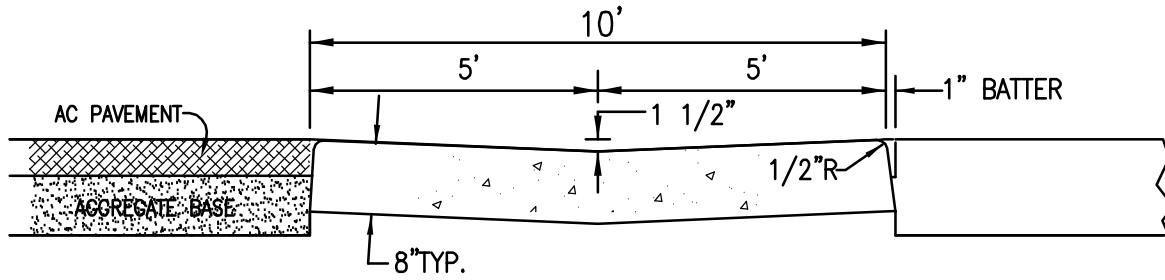
DATE: SEPT. 2001	CROSS GUTTER – TYPE I		SCALE: NONE
Signature on File CITY ENGINEER	DEPARTMENT OF PUBLIC WORKS	CITY OF PALM DESERT	STD DRAWING NO. 106



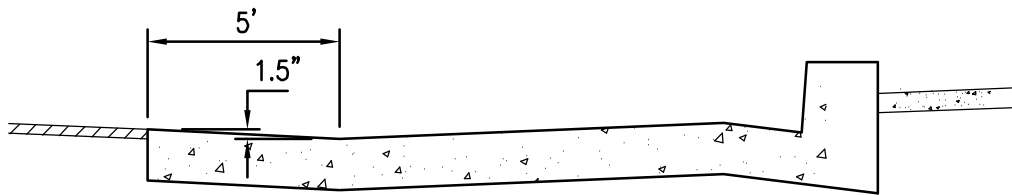
PLAN



JOINT DETAIL



SECTION A-A



SECTION B-B

NOTES:

1. ALL CONCRETE SHALL BE 560-C-3250
2. \dashrightarrow = TYPICAL FLOWLINES
3. \circ = ELEVATIONS TO BE SHOWN ON PLANS

LEGEND ON PLANS



DATE: SEPT. 2001

CROSS GUTTER - TYPE II

SCALE: NONE

Signature on File
CITY ENGINEER

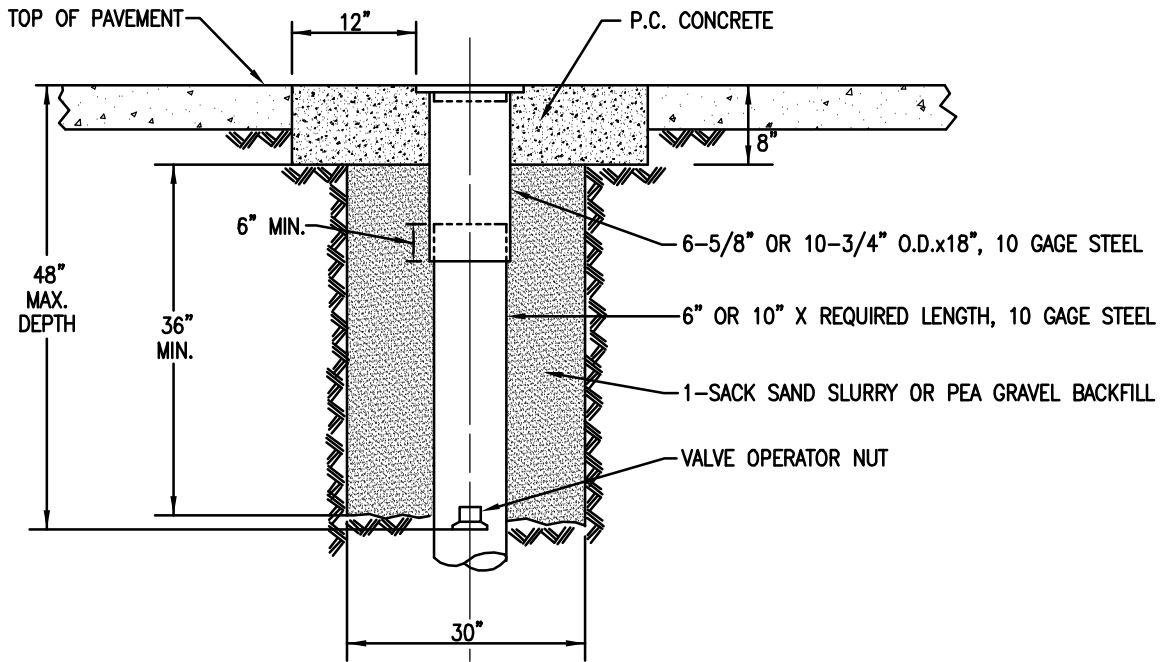
DEPARTMENT OF PUBLIC WORKS

CITY OF PALM DESERT

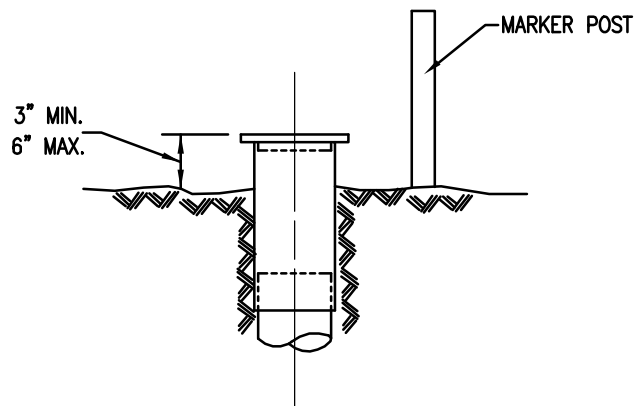
STD DRAWING NO.

108

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.

DATE: SEPT. 2001

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CITY ENGINEER

VALVE OPERATOR WELL INSTALLATION

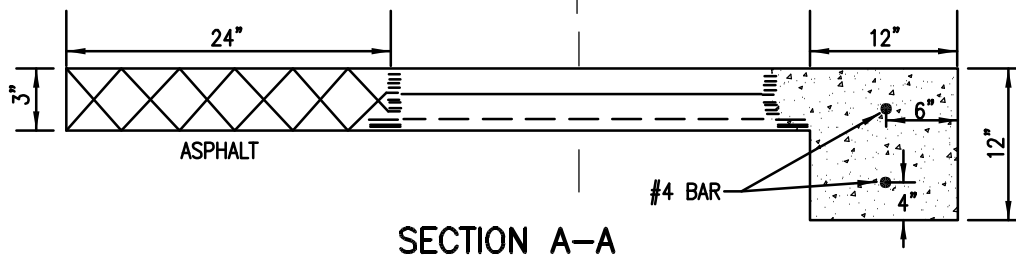
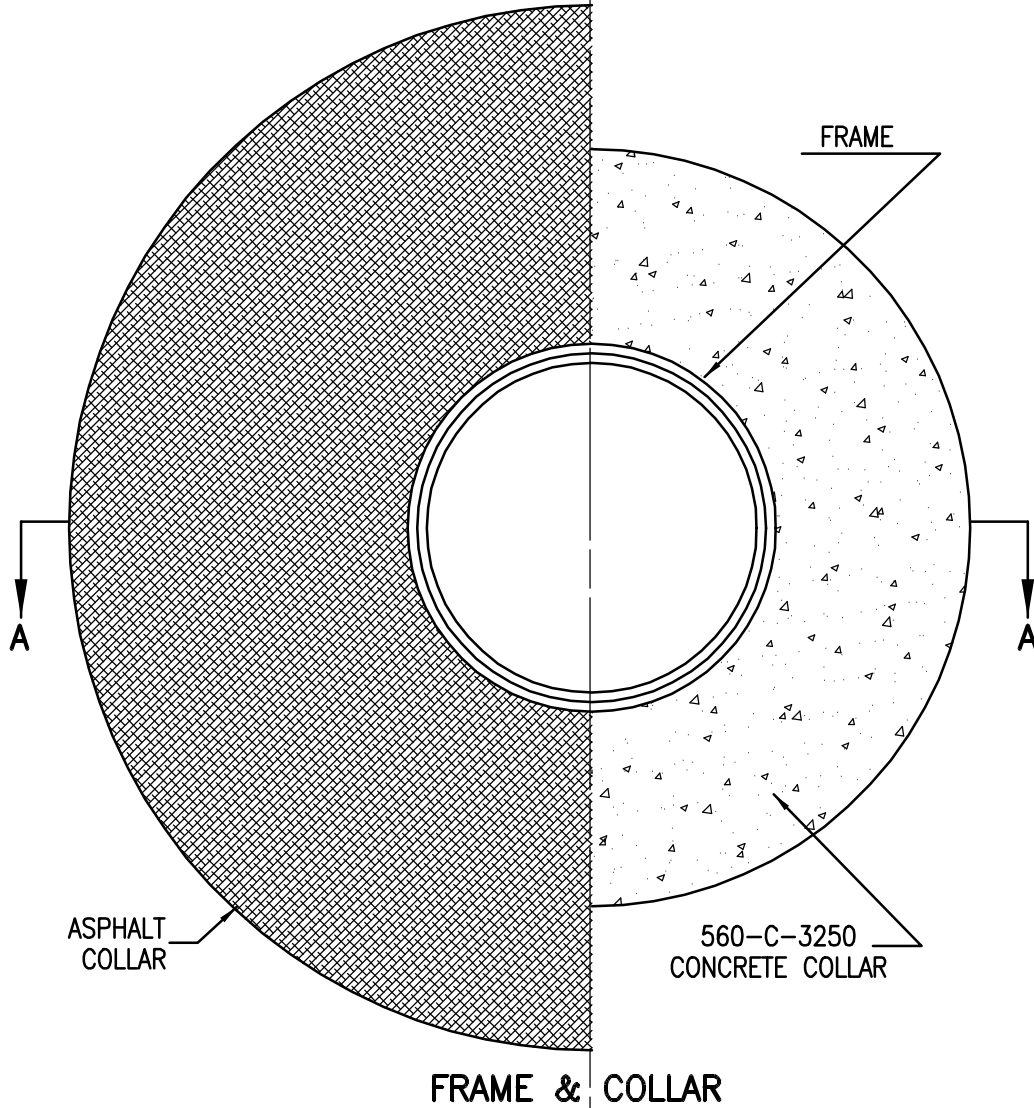
DEPARTMENT OF PUBLIC WORKS CITY OF PALM DESERT

SCALE: NONE

STD DRAWING NO.
109

OUT OF PAVEMENT

IN PAVEMENT



DATE: SEPT. 2001

MANHOLE FRAME AND COVER

SCALE: NONE

Signature on File
CITY ENGINEER

DEPARTMENT OF PUBLIC WORKS

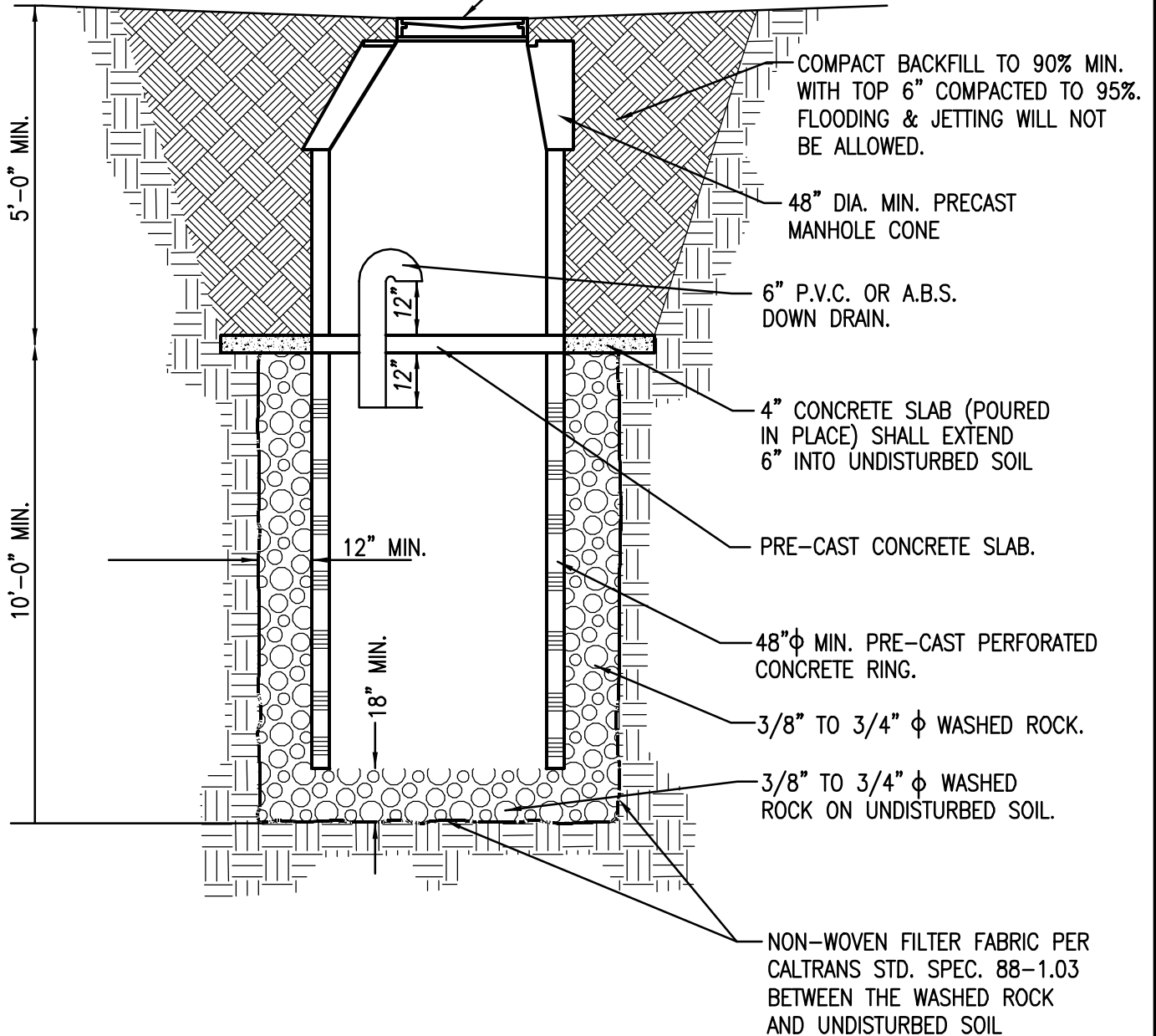
CITY OF PALM DESERT

STD DRAWING NO.

110

NOTE:
ALL JOINTS ABOVE THE LEACHING AREA
SHALL BE MORTAR SEALED INSIDE AND OUT.

24" DIA. C.I. GRATE & FRAME
ALHAMBRA FOUNDRY A-1200 OR
APPROVED EQUAL. ADAPT AS
REQUIRED FOR V-GUTTER &
CURB AND GUTTER INSTALLATION.
SET RIM TO GRADE WITH
PRECAST RISERS.



DATE: SEPT. 2001

STANDARD DRYWELL DETAIL

SCALE: NONE

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CITY ENGINEER

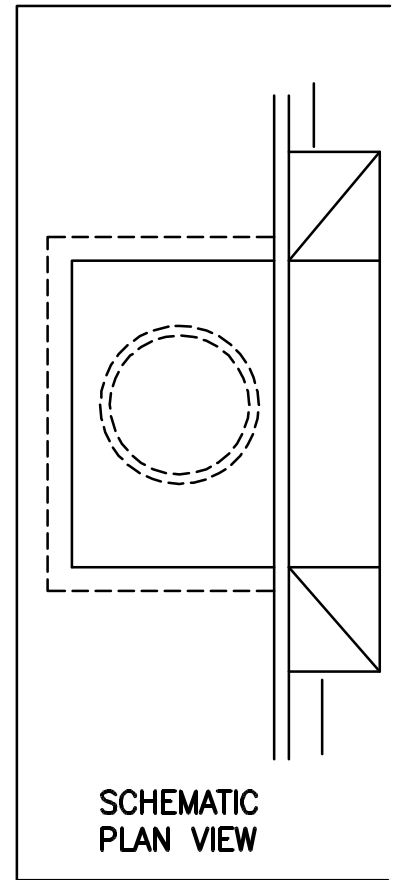
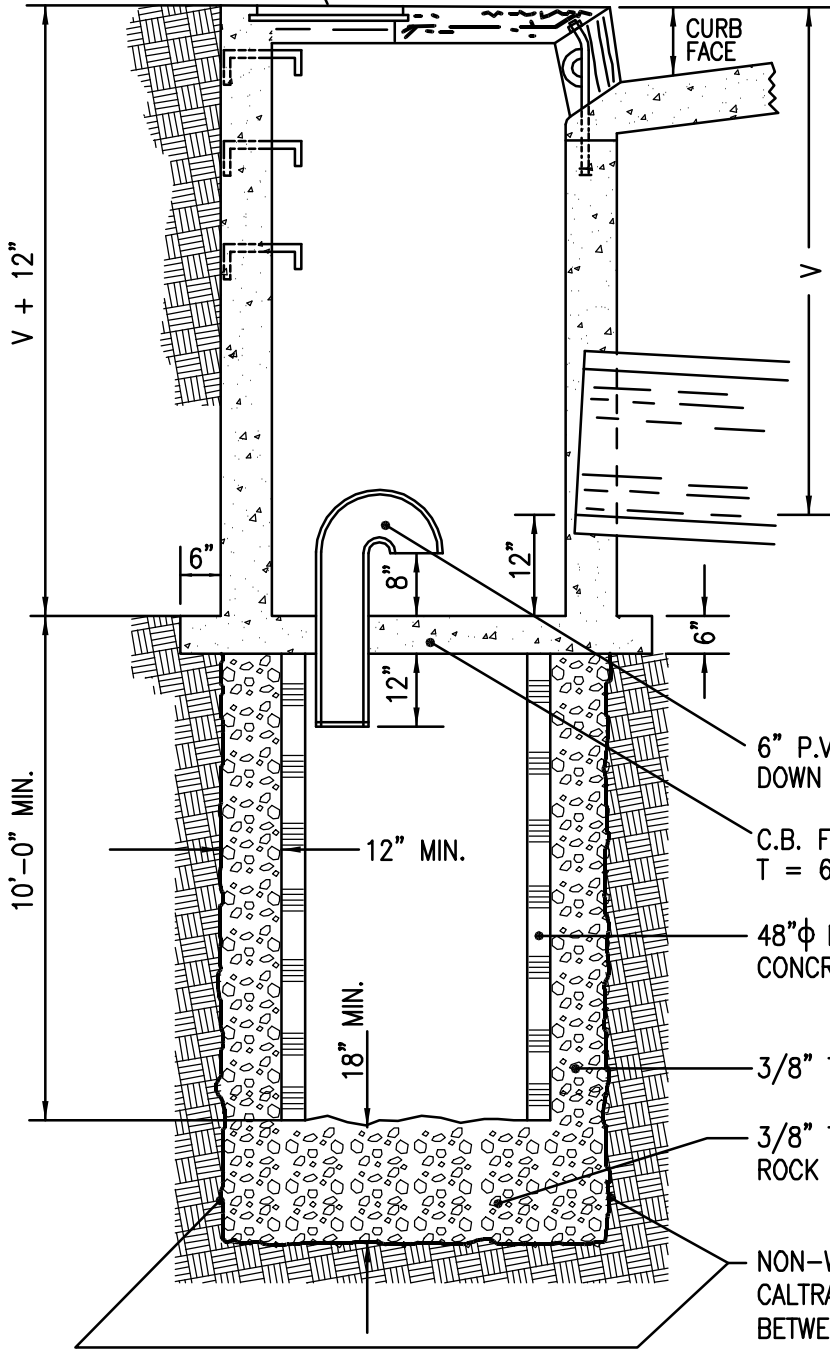
DEPARTMENT OF PUBLIC WORKS

CITY OF PALM DESERT

STD DRAWING NO.

111

SEE RCFC & WCD STD. DWG. NO. C.B. 100
(CB NO. 1) FOR CATCH BASIN CONST.



6" P.V.C. OR A.B.S.
DOWN DRAIN.

C.B. FLOOR MIN.
T = 6"W/#4 @ 6" EW

48"φ MIN. PRE-CAST PERFORATED
CONCRETE RING.

3/8" TO 3/4" φ WASHED ROCK.

3/8" TO 3/4" φ WASHED
ROCK ON UNDISTURBED SOIL.

NON-WOVEN FILTER FABRIC PER
CALTRANS STD. SPEC. 88-1.03
BETWEEN THE WASHED ROCK
AND UNDISTURBED SOIL

DATE: SEPT. 2001

COMBINATION CATCH BASIN/ STANDARD DRY WELL

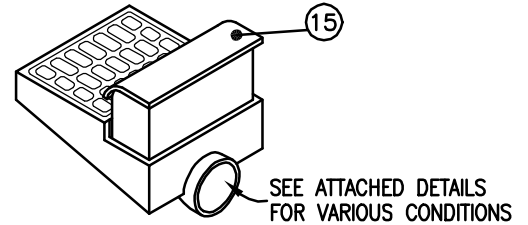
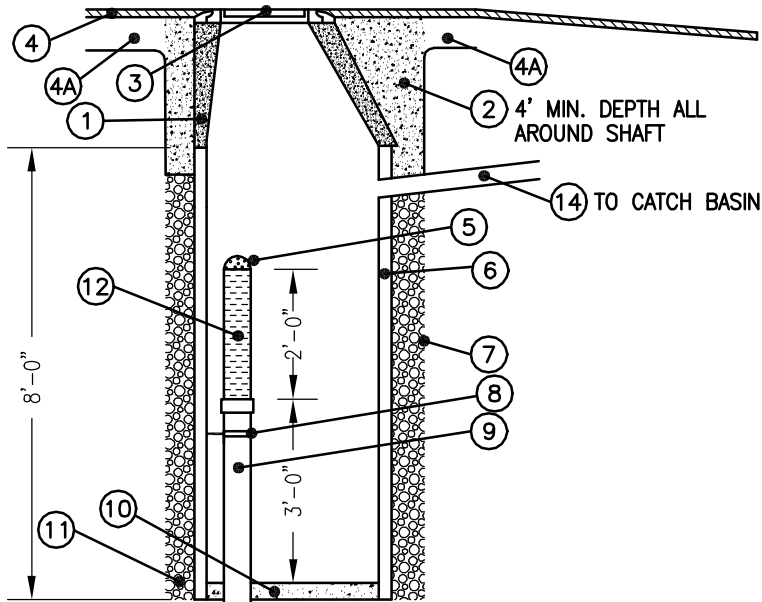
SCALE: NONE

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DEPARTMENT OF PUBLIC WORKS

CITY OF PALM DESERT

STD DRAWING NO.
111A



- ① MANHOLE CONE (3' HIGH)
- ② CONCRETE SLURRY BACKFILL (2 SACK).
- ③ RING & COVER WITH LOCKING DEVICES PER R.C.F.C. STANDARD DRAWING NO. MH 255.
- ④ GRADED PARKWAY, P.C.C. SIDEWALK, OR A.C. PAVING.
- ④A CLASS 2 BASE UNDER PAVEMENT OR SOIL UNDER SIDEWALK OR IN PARKWAY
- ⑤ DRILLED END CAP - 1" DIA HOLES - (HANCOR PART NO. FC-CLB-08) OR CITY APPROVED EQUIVALENT CAP TO BE COVERED WITH POLYESTER KNITTED FABRIC SOCK.
- ⑥ PRECAST LINER 48" ID. 54"OD. CENTER IN HOLE AND ALIGN SECTIONS TO MAXIMIZE BEARING SURFACE.
- ⑦ MIN. 6' Ø DRILLED SHAFT.
- ⑧ SUPPORT BRACKET FORMED 12 GA. STEEL.*
- ⑨ CORRUGATED HDP. PIPE 8" DIA- (HANCOR PART NO DW-PL1-08) OR CITY APPROVED EQUIVALENT*
- ⑩ 4" THICK CONCRETE SLURRY (3 SACK) BASE.
- ⑪ ROCK - CLEAN AND WASHED, SIZED BETWEEN 3/8" AND 1/2", TO BEST COMPLEMENT SOIL CONDITIONS. **
- ⑫ CORRUGATED SLOTTED HDP PIPE 8" DIA- (HANCOR PART NO. PF1-08 WITH POLYESTER KNITTED FABRIC SOCK PART NO FW-B00-08-0020) OR CITY APPROVED EQUIVALENT*
- ⑬ SHAFT FOR PIPE TO BE DRILLED IN A MANNER TO MAINTAIN PERMEABILITY OF DRAINAGE SOILS.
- ⑭ CORRUGATED HDP PIPE 8" DIA - (HANCOR PART NO DW-PL1-10) OR CITY APPROVED EQUIVALENT*
- ⑮ CATCH BASIN TO BE NEENAH FOUNDRY R-3165 (SEE APPENDIX PAGE #___) DIMENSION "A"=8" OR APPROVED CATCH BASIN SYSTEM.

* REQUIRES SPECIFICATION OR DETAIL.

** CLASS II OR CLASS III BASE CAN BE SUBSTITUTED PER ENGINEER'S APPROVAL.

DATE: SEPT. 2001

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CITY ENGINEER

DRYWELL/INLET DETAIL

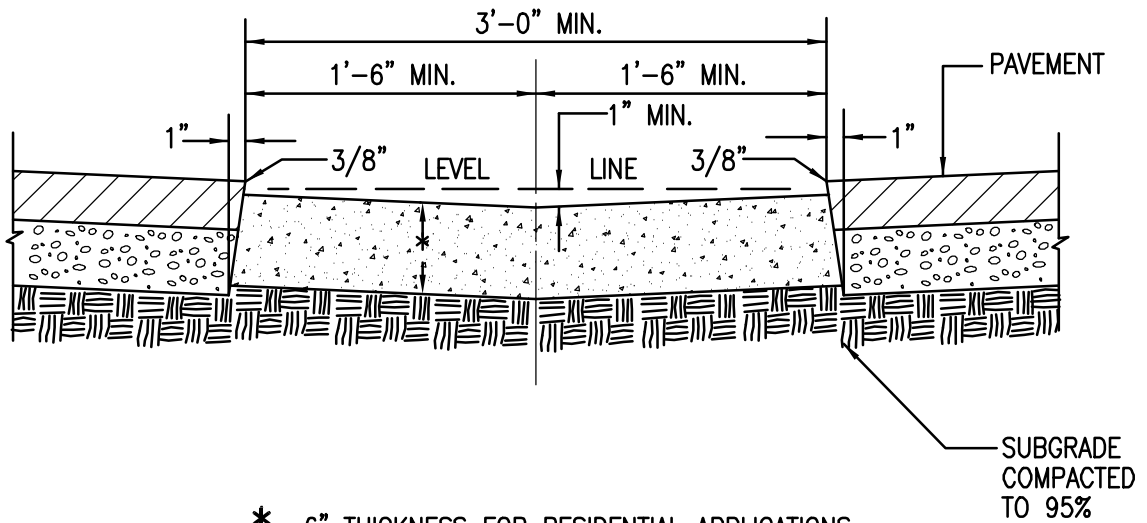
DEPARTMENT OF PUBLIC WORKS

CITY OF PALM DESERT

SCALE: NONE

STD DRAWING NO.

111B



* -6" THICKNESS FOR RESIDENTIAL APPLICATIONS,
8" FOR COMMERCIAL AND INDUSTRIAL.

NOTES:

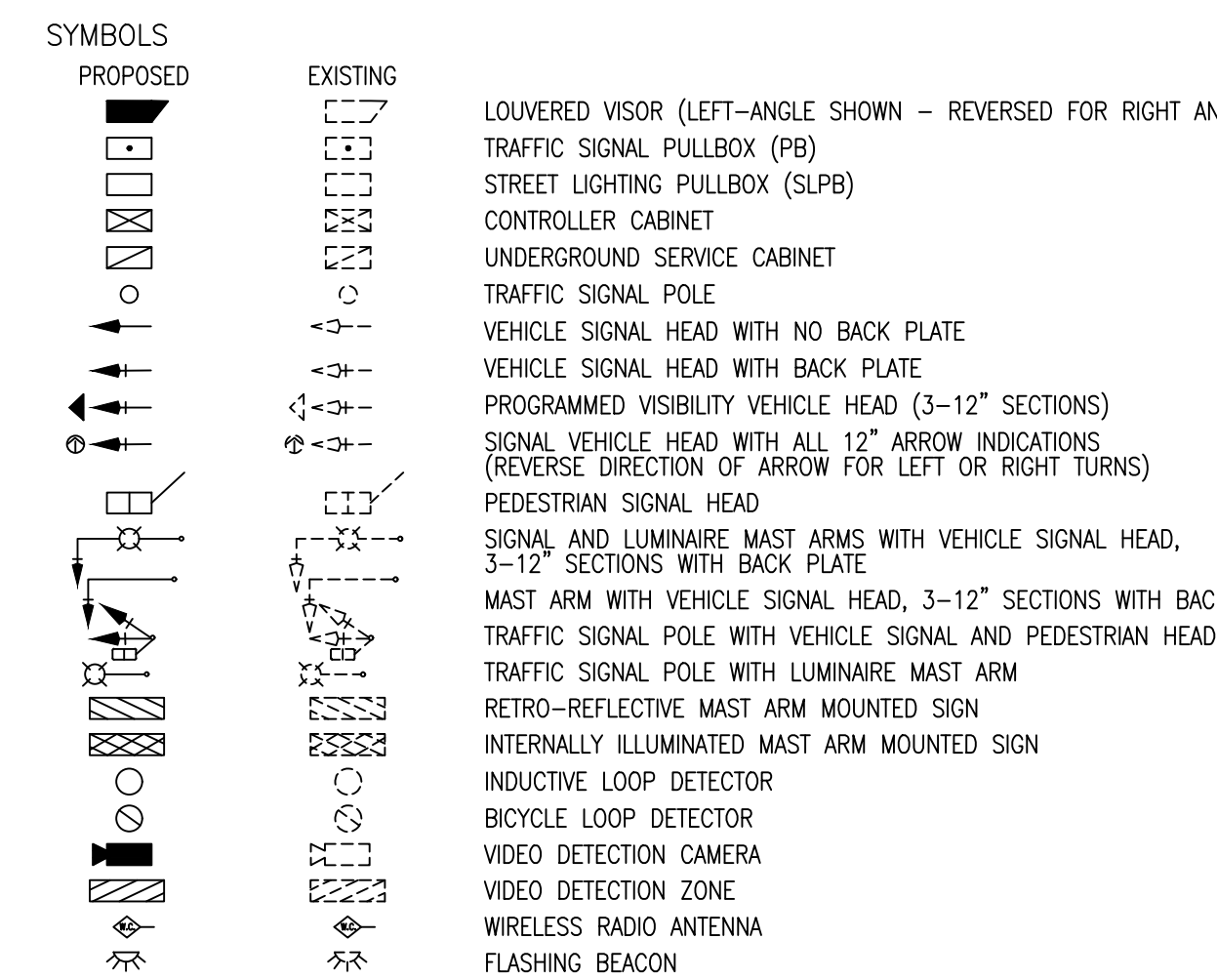
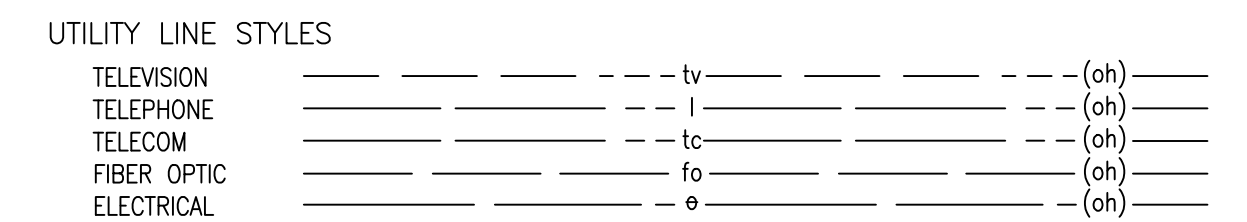
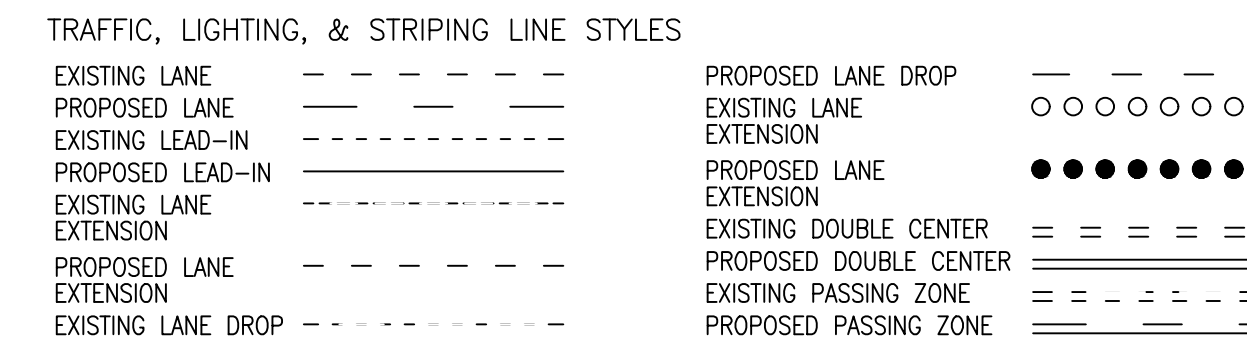
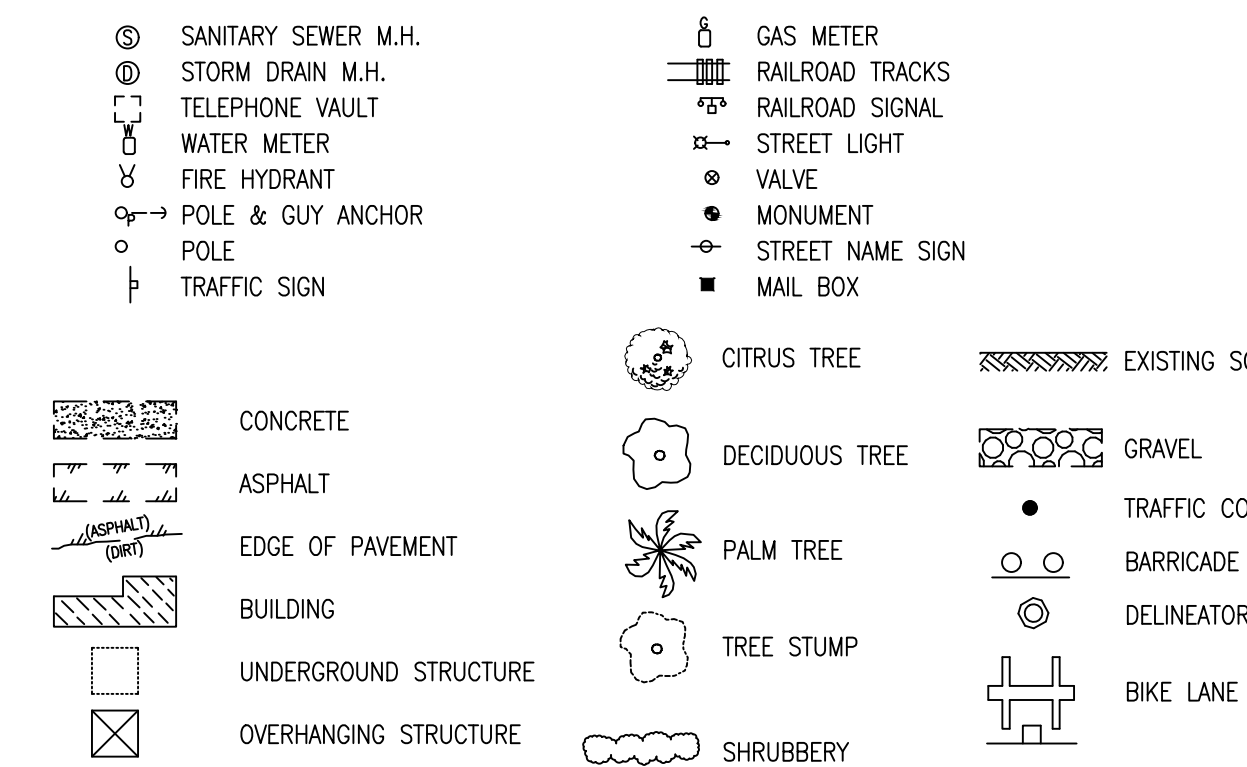
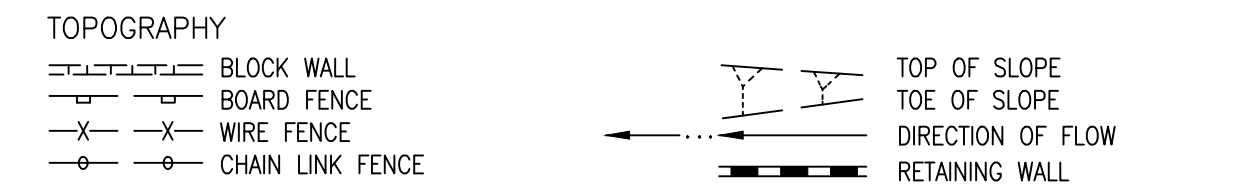
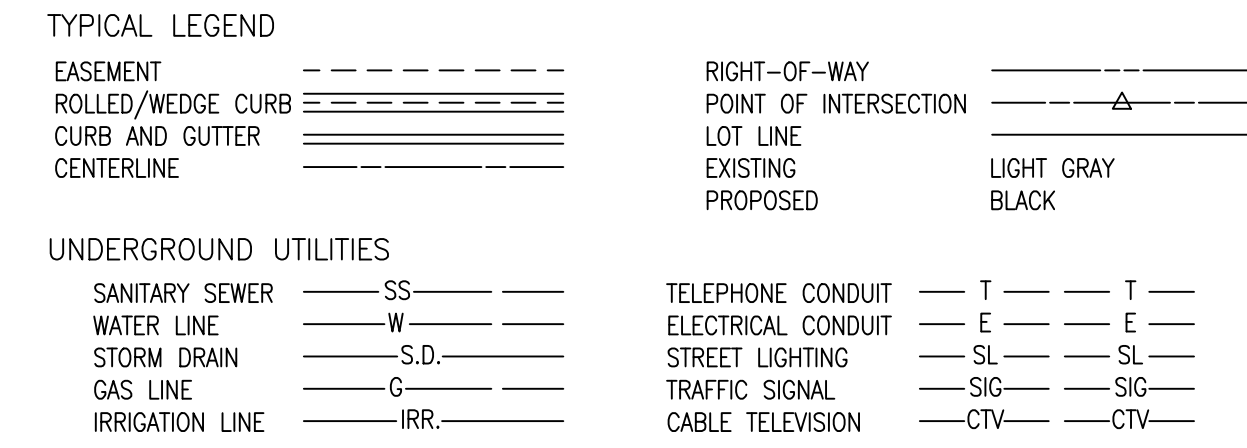
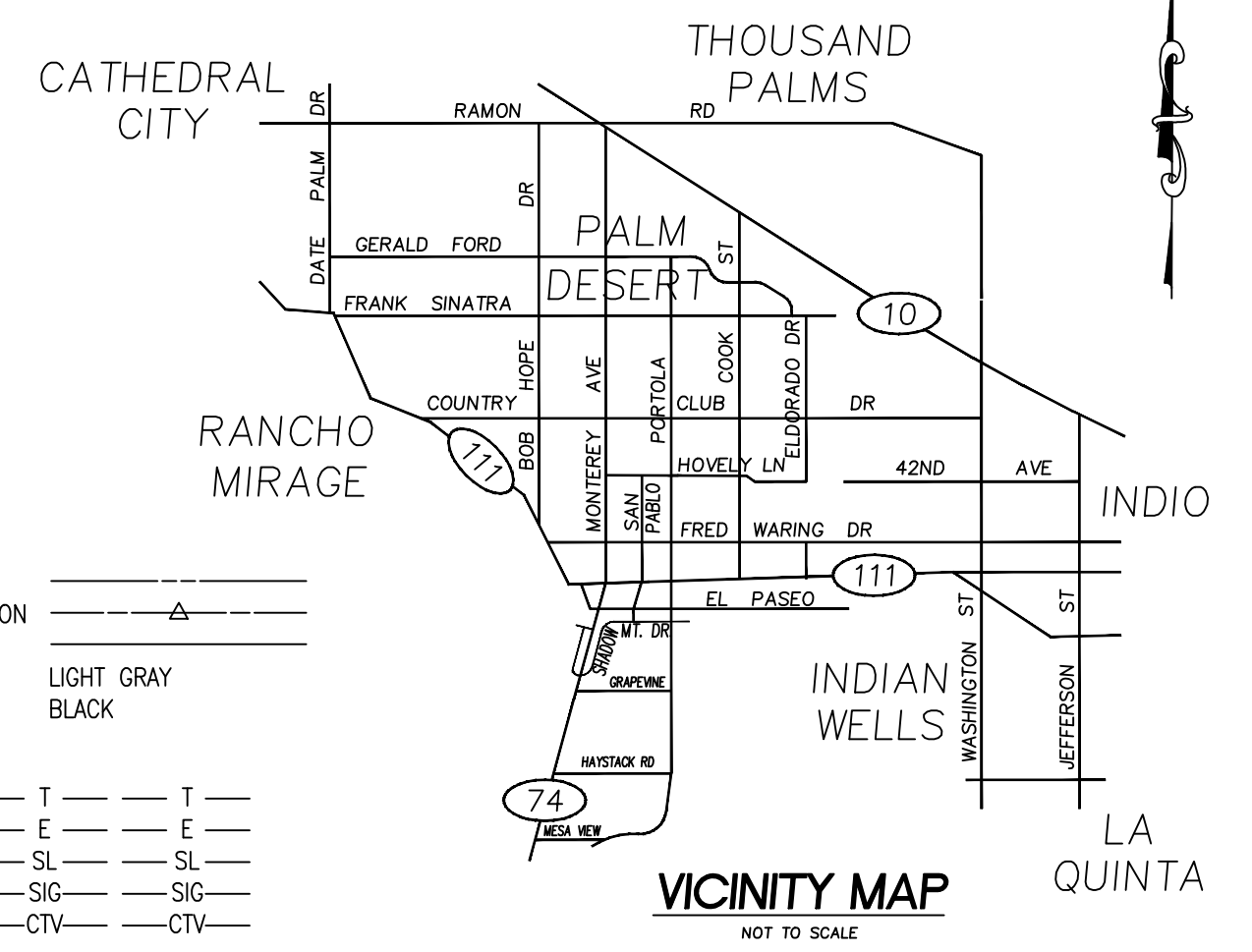
1. ALL CONCRETE SHALL BE 560-C-3250.
2. WEAKENED PLANE JOINTS EVERY 10' O.C.
3. EXPANSION PAPER REQUIRED EVERY 50'.

DATE: <u>SEPT. 2001</u>	VALLEY GUTTER	SCALE: <u>NONE</u>
Signature on File CITY ENGINEER	DEPARTMENT OF PUBLIC WORKS CITY OF PALM DESERT	STD DRAWING NO. 112

PALM DESERT GENERAL NOTES:

- 1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THIS PLAN, THE STANDARD DRAWINGS AND SPECIFICATIONS OF THE CITY OF PALM DESERT...

IN THE CITY OF PALM DESERT, COUNTY OF RIVERSIDE, STATE OF CALIFORNIA
TYPE OF PLAN
CASE NUMBER & PROJECT NAME
PROJECT ADDRESS



NOTICE TO ENGINEER PREPARING PLANS FOR SUBMITTAL TO THE CITY OF PALM DESERT LAND DEVELOPMENT DIVISION.

NOTICE TO ENGINEER PREPARING PLANS FOR SUBMITTAL TO THE CITY OF PALM DESERT DEPARTMENT OF PUBLIC WORKS.

GRADING/CONSTRUCTION NOTES table with columns for CN, DESCRIPTION, QTY., and UNIT.

EASEMENT NOTES table with columns for description and drawing reference.

SHEET INDEX table with columns for sheet number and title.

SOILS ENGINEER'S CERTIFICATE section including a professional seal and text regarding soil review.

ABBREVIATION DEFINITION table listing various engineering symbols and their meanings.

PROJECT INFO section containing project details, FEMA flood data, and contact information for various professionals.

DIGALERT logo and contact information for underground utility services.

BENCHMARK and LOCATION information for the project site.

ENGINEER REVISIONS table with columns for mark, by, date, and description.

ENGINEERS SEAL section with a professional seal for a registered professional engineer.

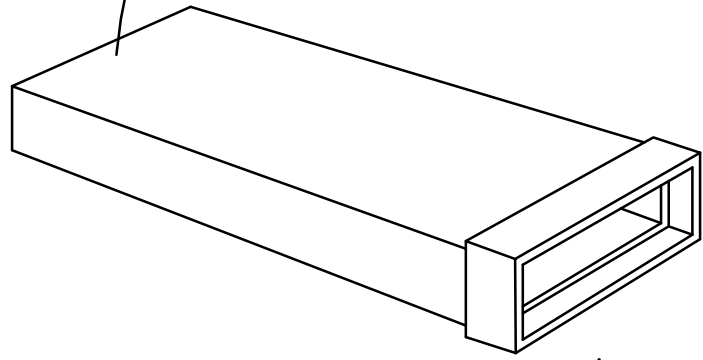
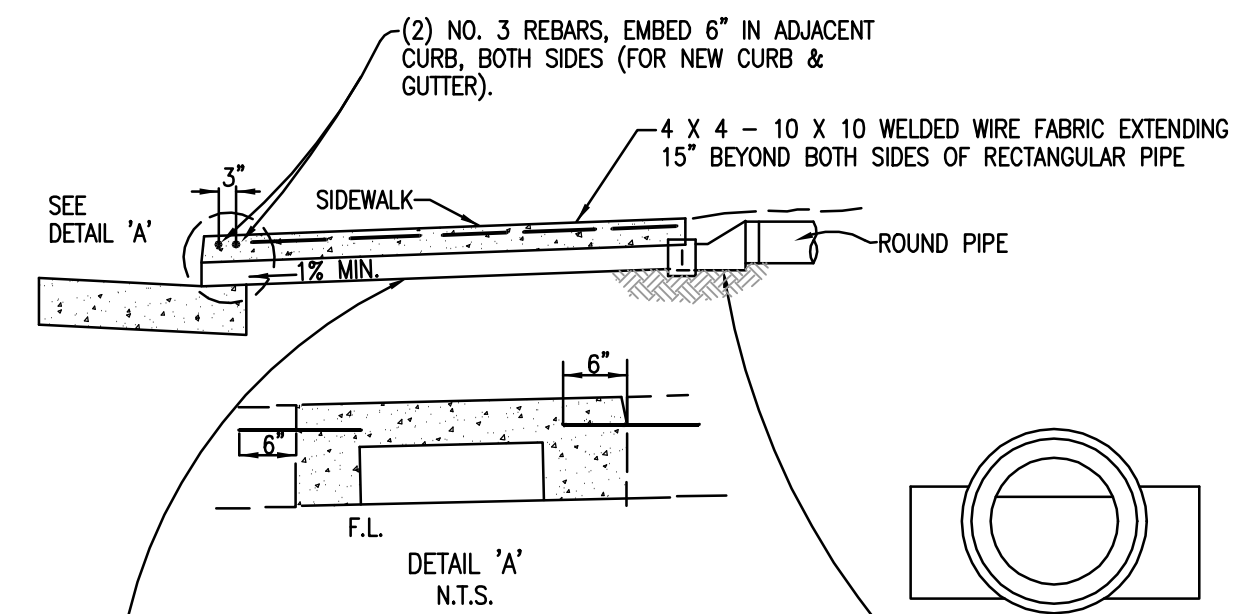
ENGINEER'S NAME section with fields for name, address, and phone number.

CITY OF PALM DESERT section with fields for engineer name and date.

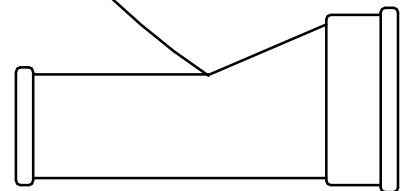
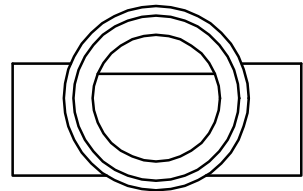
PLAN CHECKED BY section with a signature line and a circular seal.

CITY OF PALM DESERT section with sheet title and legal description.

SHEET 1 OF SHEETS section with fields for sheet number and project name.

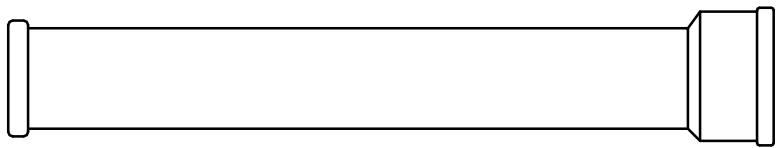


ALHAMBRA FOUNDRY CO. LTD.*
RECTANGULAR PIPE (A-470)



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 DIRECTOR OF PUBLIC WORKS

DATE: SEPT. 2001

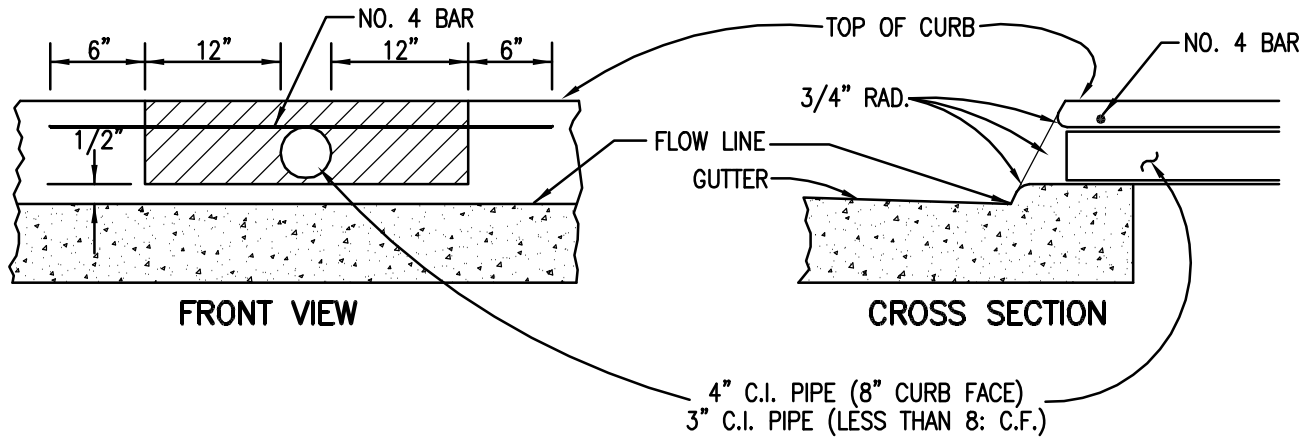
Signature on File
CITY ENGINEER

UNDER SIDEWALK DRAIN

DEPARTMENT OF PUBLIC WORKS CITY OF PALM DESERT

SCALE: NONE

STD DRAWING NO.
200



- 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 NUMBER 200 SHALL BE CONSTRUCTED.

CASE A – SAW CUT OPTION

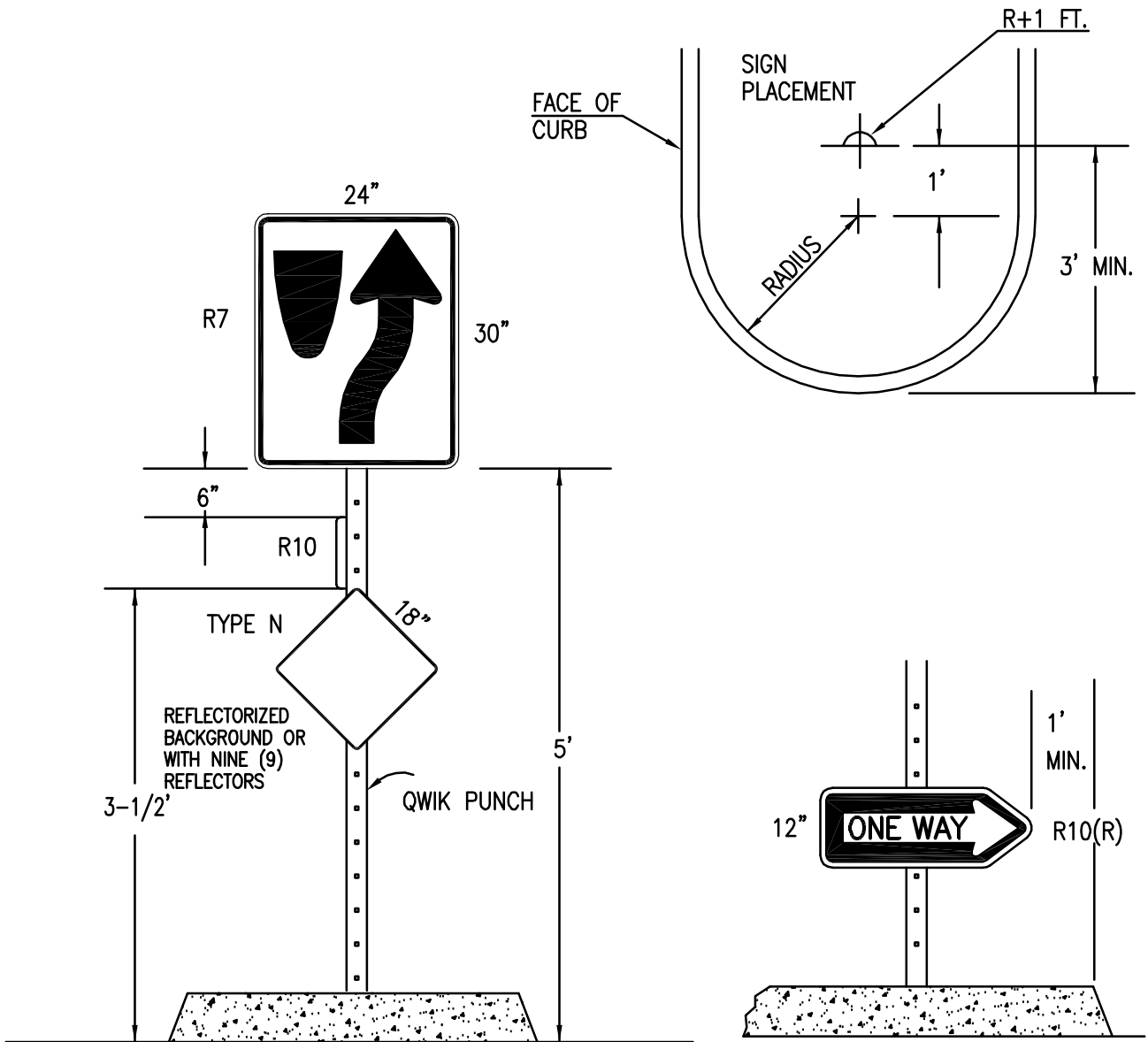
CORE DRILLING IN LIEU OF SAW CUT OPTION IS PERMITTED PROVIDED:

- (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.

CASE B – CORE DRILL OPTION

DATE: <u>SEPT. 2001</u>	CURB DRAIN	SCALE: <u>NONE</u>
Signature on File CITY ENGINEER	CASE A – CASE B	STD DRAWING NO.
DEPARTMENT OF PUBLIC WORKS	CITY OF PALM DESERT	200-1

* NOTE:
 IF THE RADIUS OF THE MEDIAN NOSE IS 2' OR LESS, PLACE THE SIGN 3' FROM END OF MEDIAN NOSE.



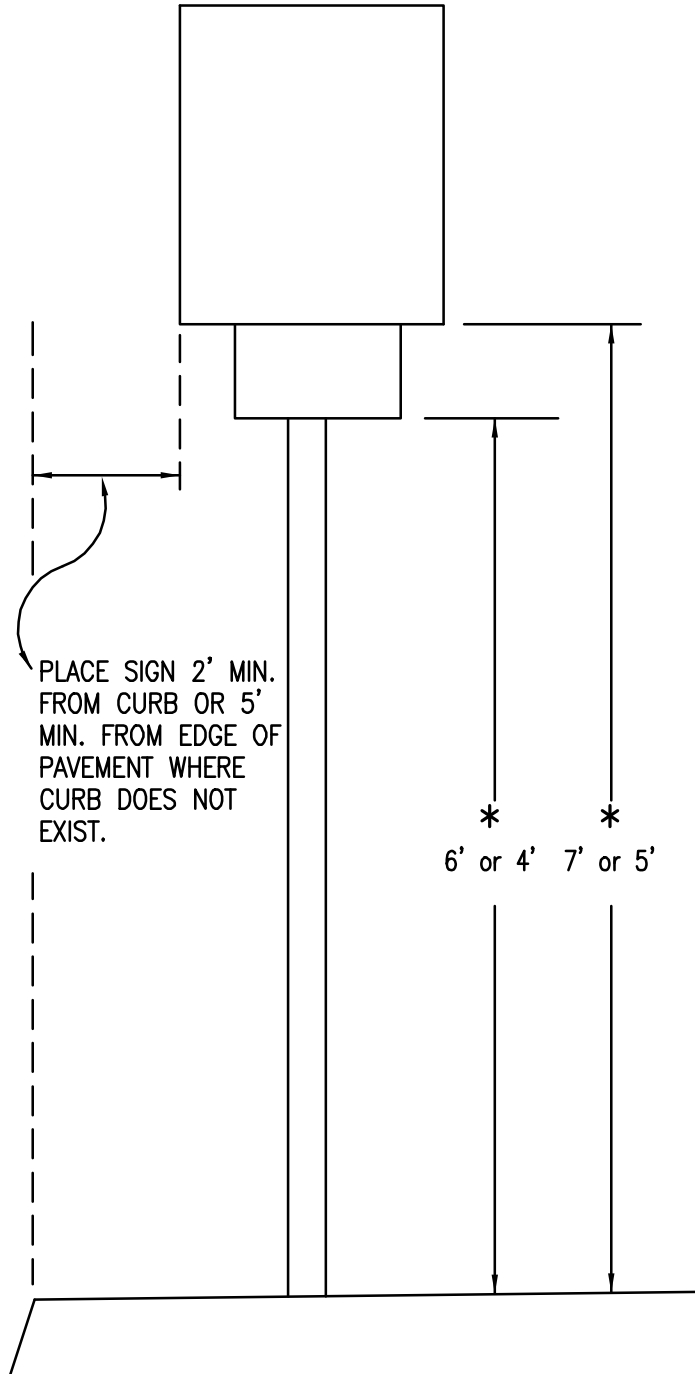
NOTE:
 POST INSTALLATION SHALL BE IN ACCORDANCE WITH STANDARD DRAWING NO. 301

DATE: SEPT. 2001	<h1>TYPICAL MEDIAN NOSE SIGN INSTALLATION</h1>	SCALE: NONE
Signature on File CITY ENGINEER		STD DRAWING NO. <h1>201</h1>
DEPARTMENT OF PUBLIC WORKS		CITY OF PALM DESERT

NONE: POST INSTALLATION SHALL BE IN ACCORDANCE WITH STANDARD DRAWING NO. 301

* SIGNS HEIGHTS
Warning Signs
(CALTRANS 4-01.23)
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
(CALTRANS 4.03.2)
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.



DATE: SEPT. 2001

Signature on File
CITY ENGINEER

TYPICAL SIGN POST

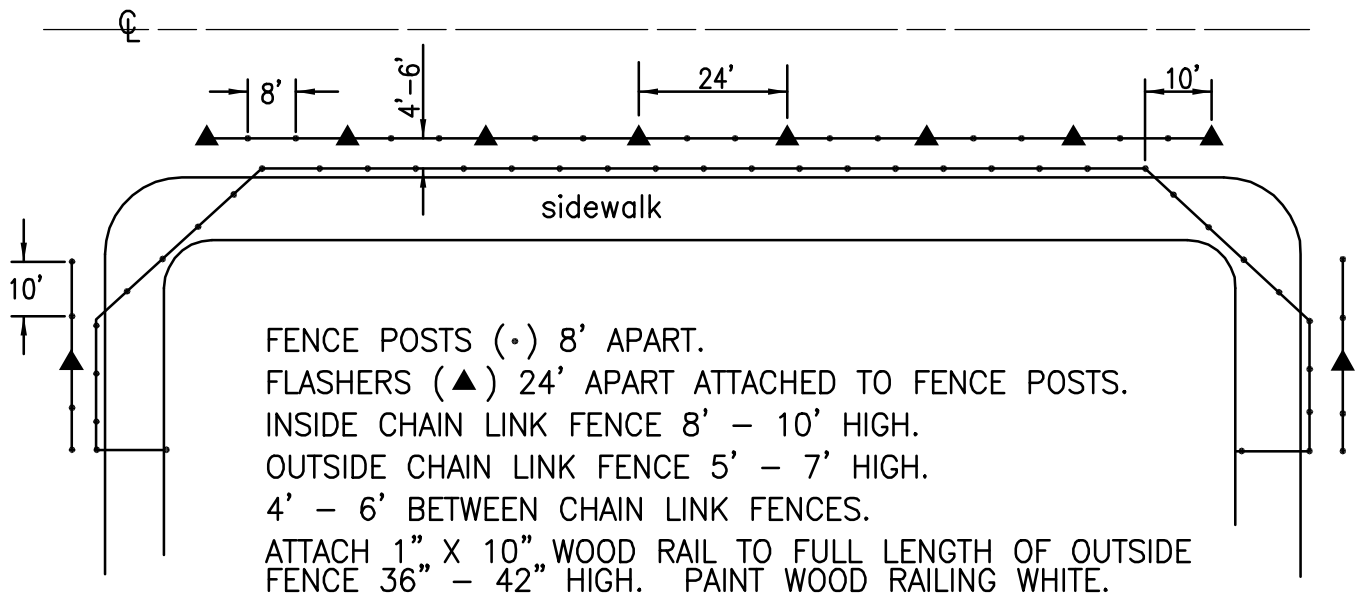
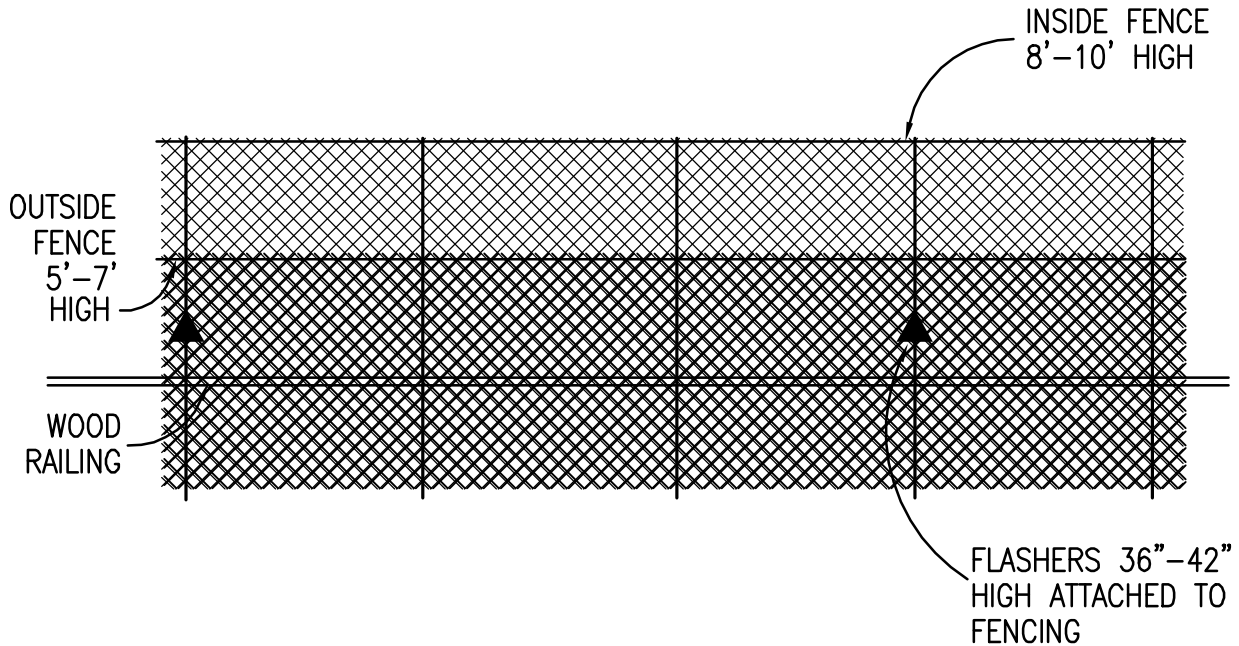
DEPARTMENT OF PUBLIC WORKS

CITY OF PALM DESERT

SCALE: NONE

STD DRAWING NO.

203



DATE: SEPT. 2001

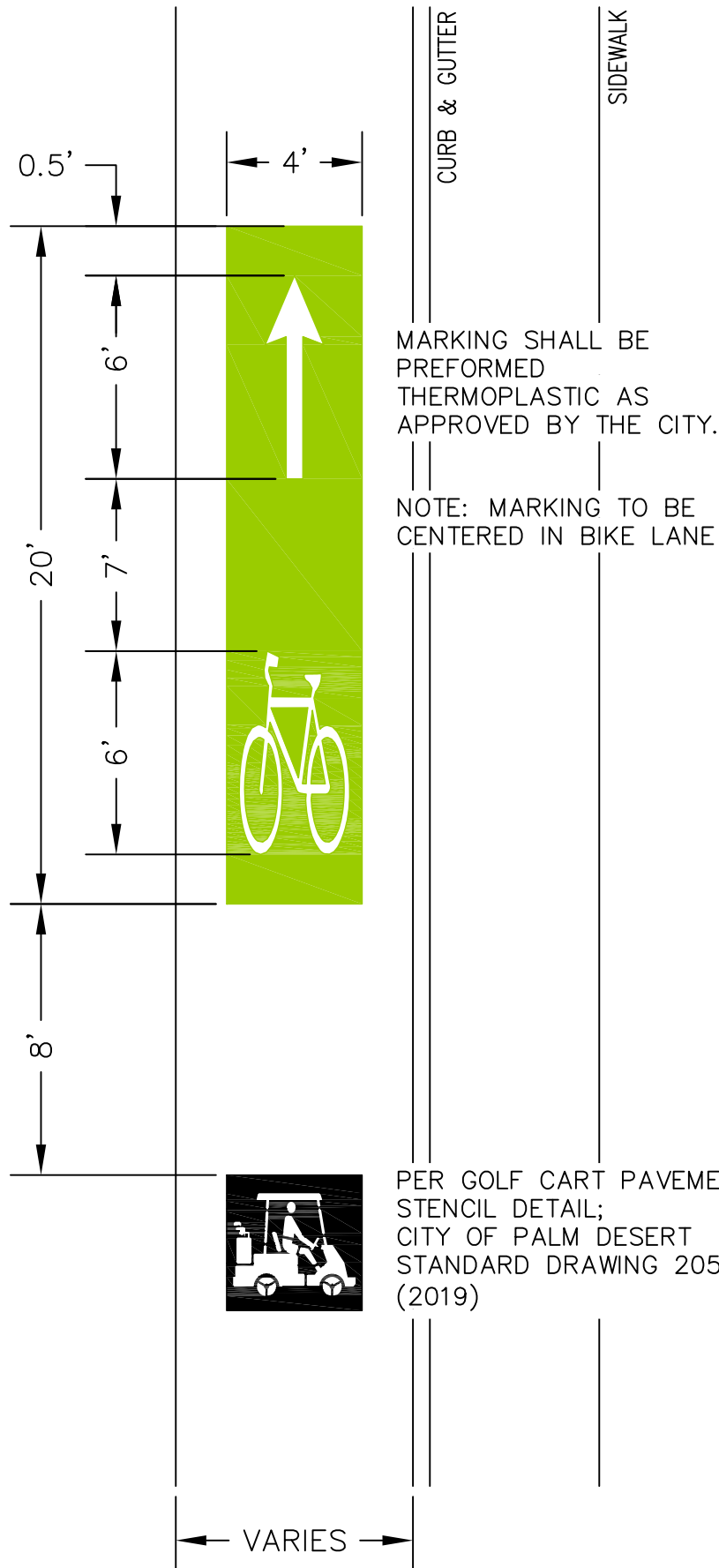
Signature on File
CITY ENGINEER

PEDESTRIAN WALKWAY FOR
ENCROACHMENT INTO RIGHT-OF-WAY

DEPARTMENT OF PUBLIC WORKS CITY OF PALM DESERT

SCALE: NONE

STD DRAWING NO.
204



DATE: <u>OCTOBER 2019</u>	<p>BICYCLE/GOLF CART LANE</p> <p>SIGNS AND PAVEMENT MARKINGS</p>	SCALE: <u>NONE</u>
SIGNATURE ON FILE CITY ENGINEER		DEPARTMENT OF PUBLIC WORKS CITY OF PALM DESERT



DATE: JUNE 2019

GOLF CART SYMBOL FOR SIGNAGE

SCALE: 1" = 1'

SIGNATURE ON FILE
CITY ENGINEER

DEPARTMENT OF PUBLIC WORKS

CITY OF PALM DESERT

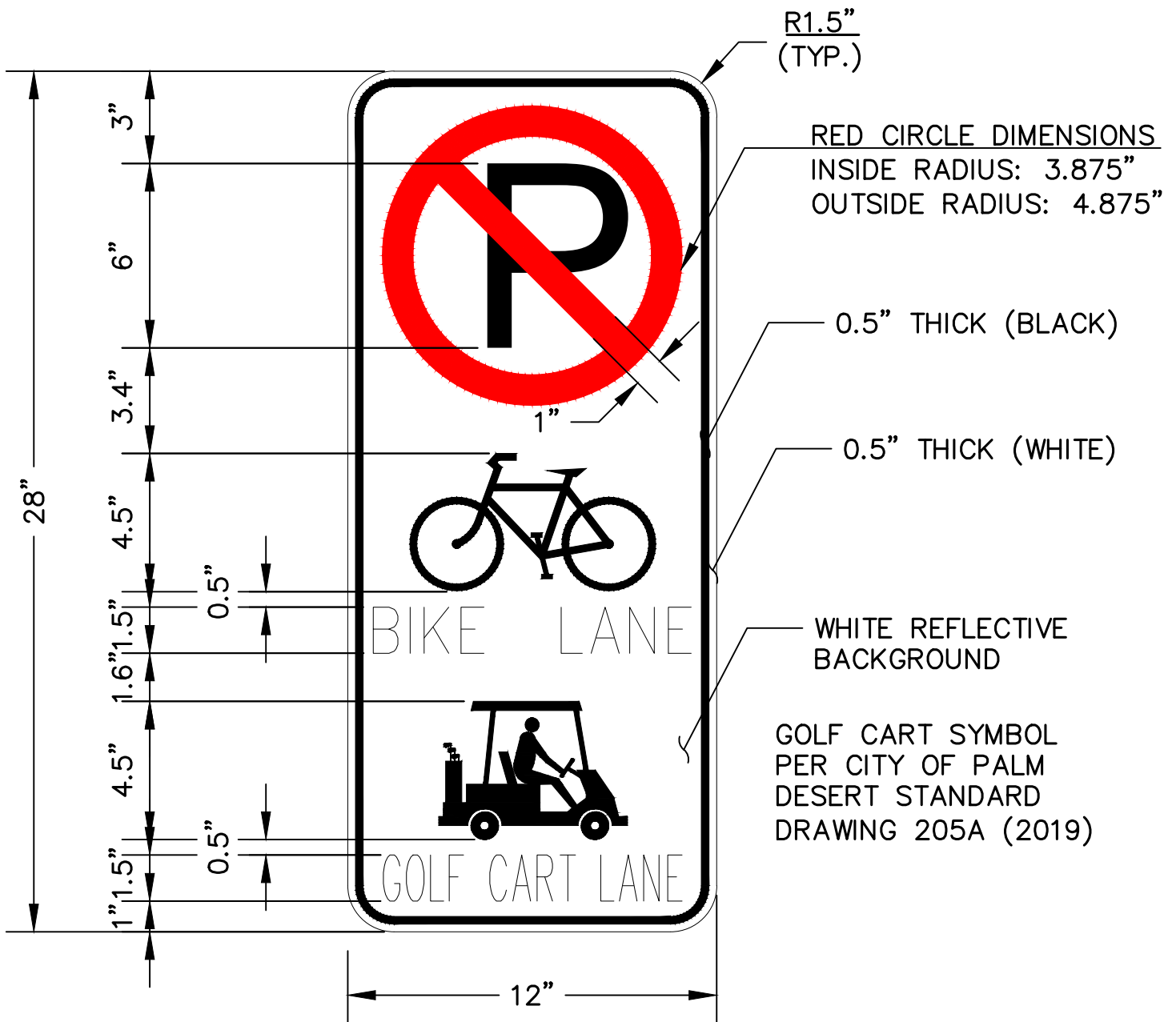
STD DRAWING NO.

205A



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

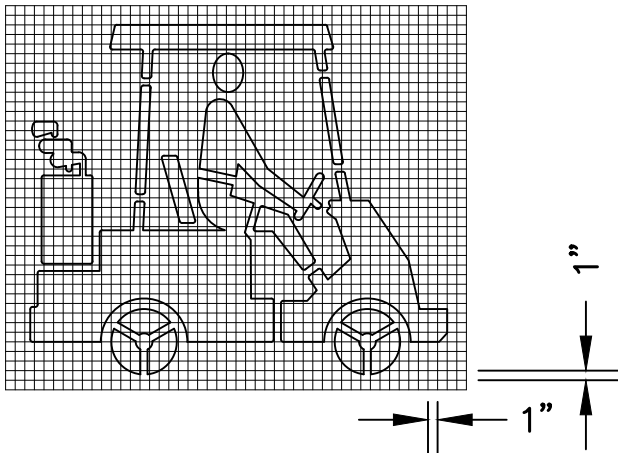
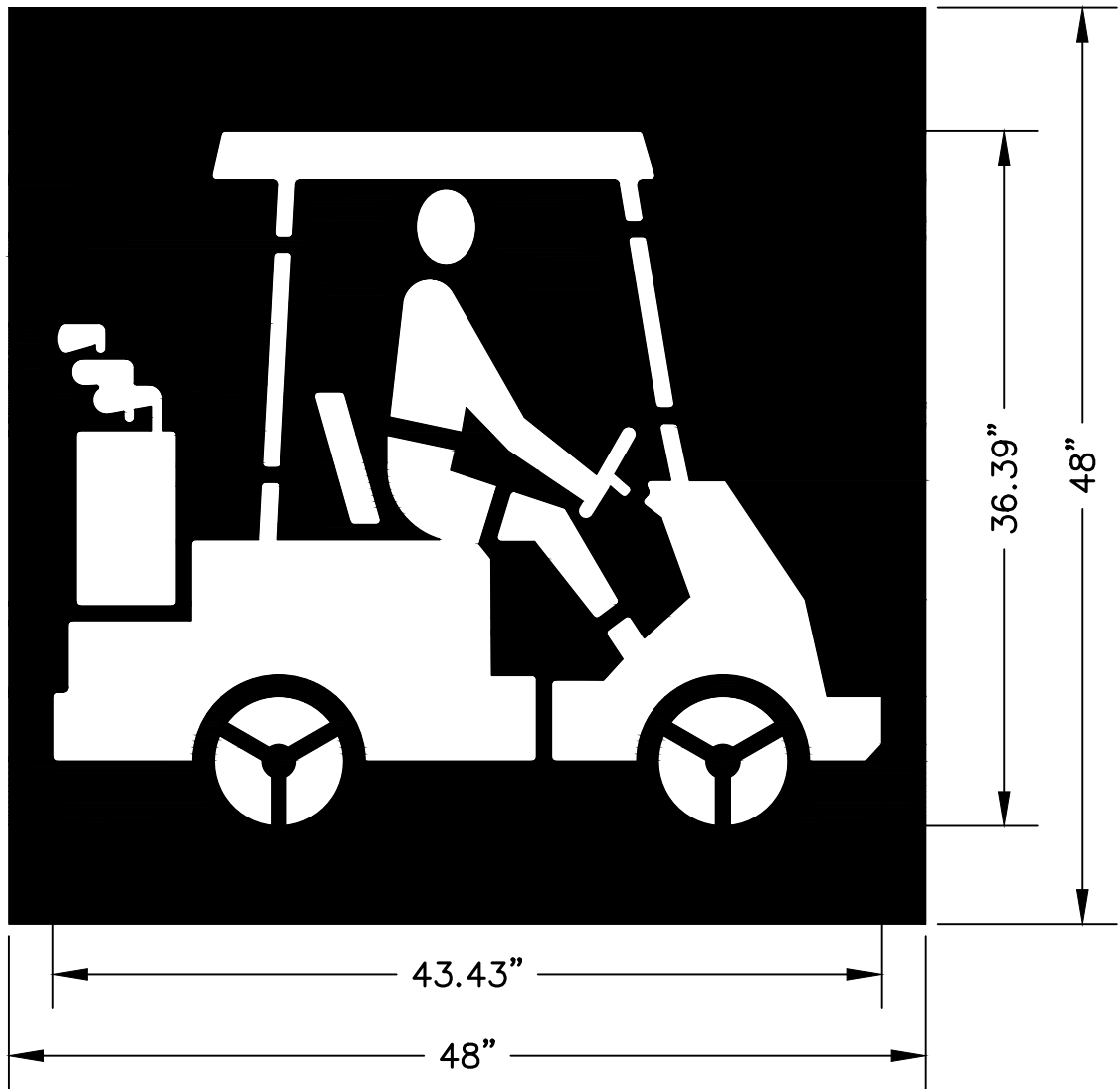
DATE SEPT. 2001	GOLF CART LANE SIGN	SCALE <u>1"=1"</u>
Signature on File CITY ENGINEER	ENGINEERING DEPARTMENT CITY OF PALM DESERT	STD. DRAWING NO. 205B



MID-BLOCK BIKE/GOLF CART LANE SIGN

- R81A(CA) "BEGIN" SIGN SHALL BE INSTALLED BELOW MID-BLOCK BIKE/GOLF CART LANE SIGN AT THE START OF EVERY BIKE LANE
- "MID-BLOCK" SIGN SHALL BE INSTALLED EVERY 500 LINEAR FEET, UNLESS OTHERWISE SPECIFIED BY THE CITY
- R81B(CA) "END" SIGN SHALL BE INSTALLED BELOW MID-BLOCK BIKE/GOLF CART LANE SIGN AT THE END OF EVERY BIKE LANE

DATE: <u>JUNE 2019</u>	BICYCLE/GOLF CART LANE COMBINATION SIGN	SCALE: <u>NONE</u>
<u>SIGNATURE ON FILE</u> CITY ENGINEER		STD DRAWING NO. 205D
DEPARTMENT OF PUBLIC WORKS		CITY OF PALM DESERT



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

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

DATE: JUNE 2019

GOLF CART PAVEMENT LEGEND

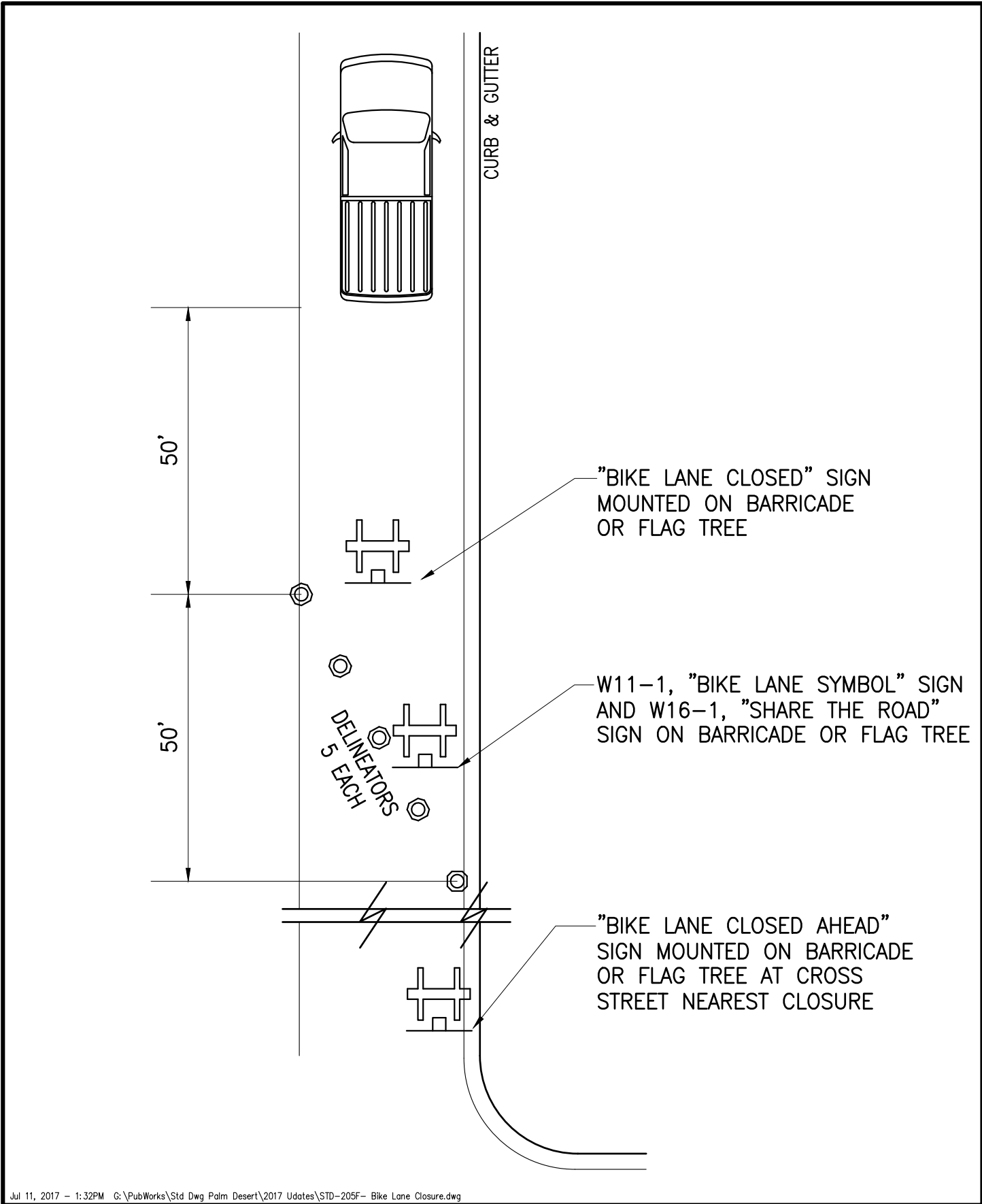
SCALE: NONE

SIGNATURE ON FILE
 CITY ENGINEER

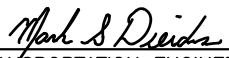
DEPARTMENT OF PUBLIC WORKS

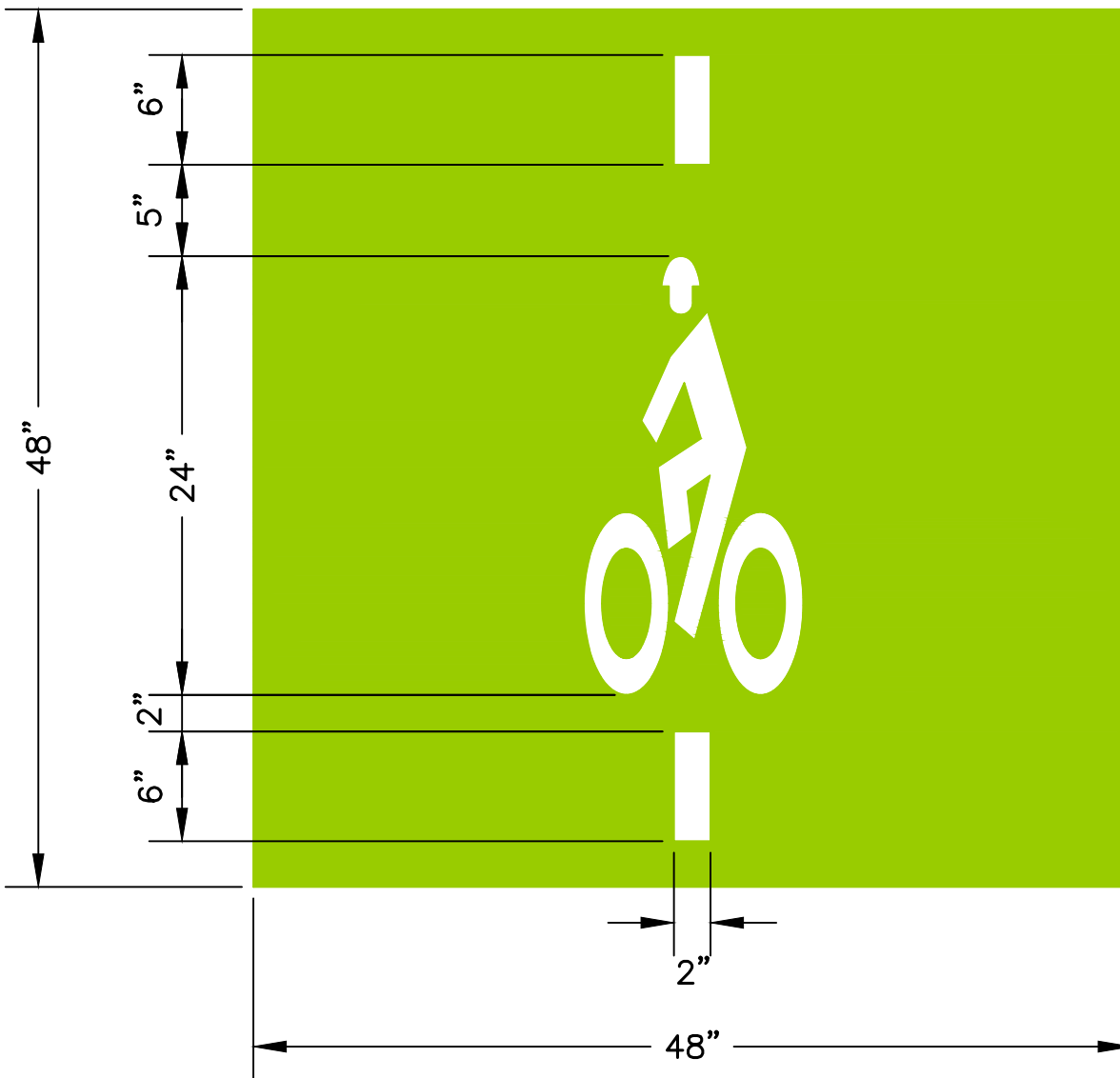
CITY OF PALM DESERT

STD DRAWING NO.
205E



Jul 11, 2017 - 1:32PM G:\PubWorks\Std Dwg Palm Desert\2017 Udates\STD-205F- Bike Lane Closure.dwg

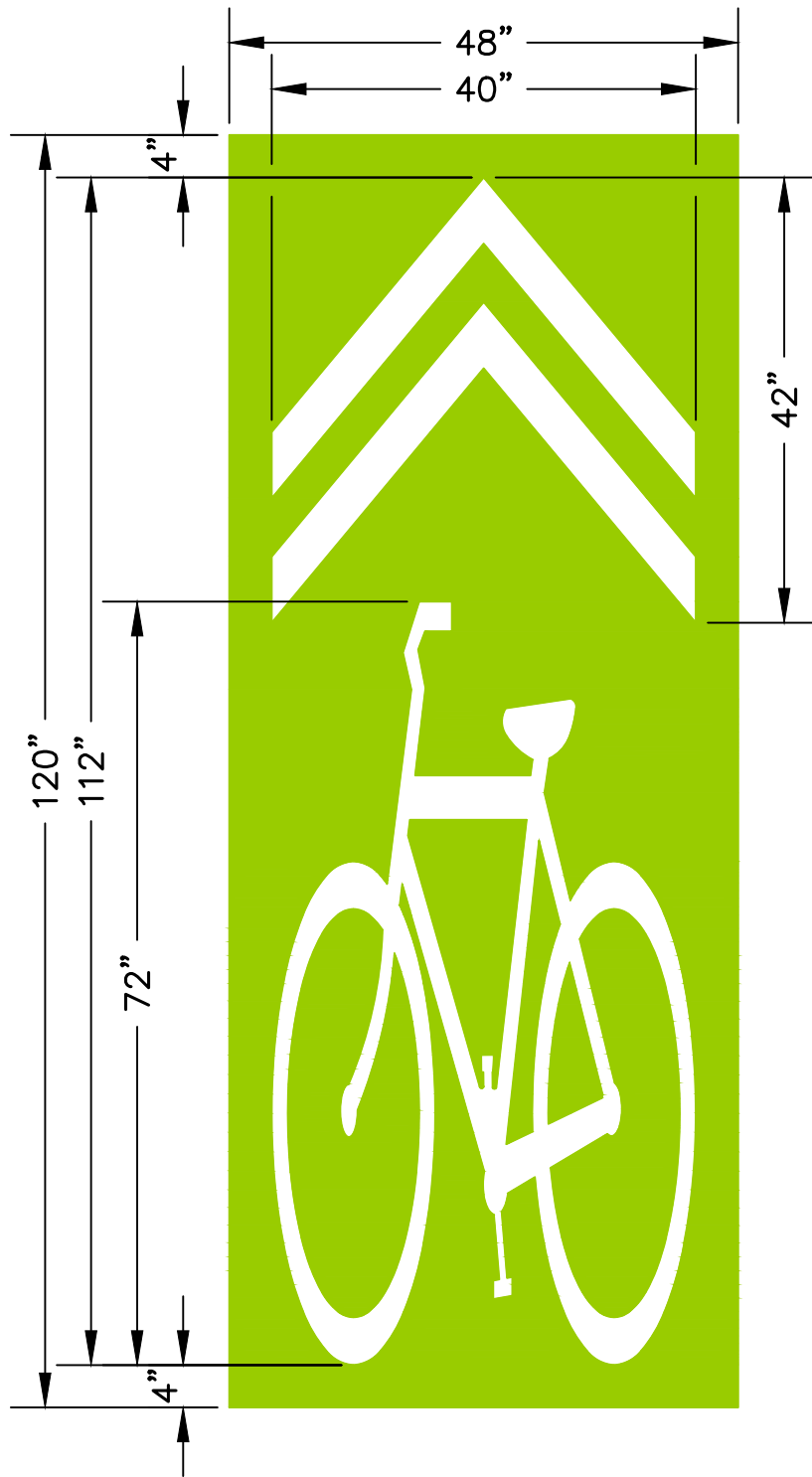
DATE: <u>JULY 2017</u>	<h1>BIKE/GOLF CART LANE CLOSURE</h1>	SCALE: <u>NONE</u>
 TRANSPORTATION ENGINEER		STD DRAWING NO. <h2>205F</h2>
DEPARTMENT OF PUBLIC WORKS		CITY OF PALM DESERT



**BICYCLE DETECTOR
PAVEMENT MARKING**

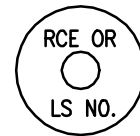
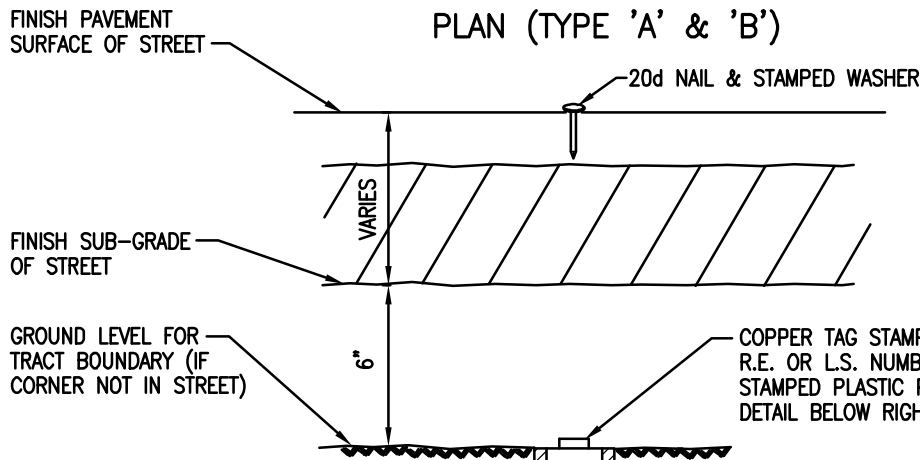
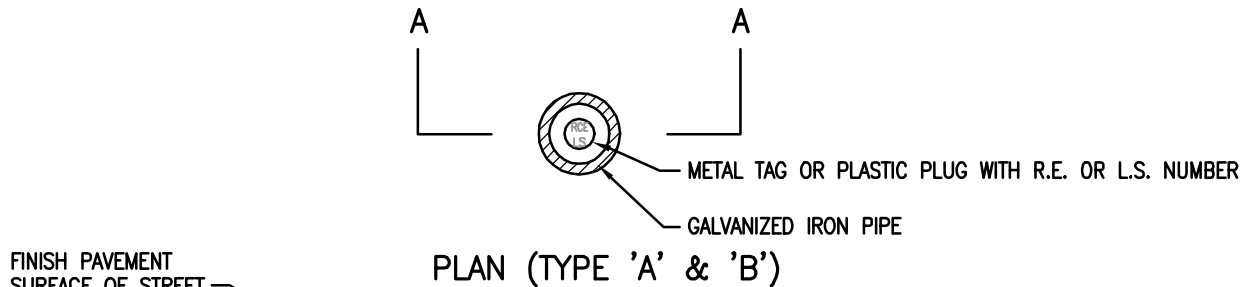
- SYMBOL SHALL BE PLACED OVER BICYCLE DETECTION LOOPS IN PAVEMENT AT SIGNALIZED INTERSECTIONS TO INDICATE THE OPTIMUM POSITION FOR A BICYCLE TO ACTIVATE THE SIGNAL AS DIRECTED BY THE CITY.
- SIGN R10-22 IN THE CALIFORNIA MUTCD (CURRENT EDITION) MAY BE INSTALLED TO SUPPLEMENT THE PAVEMENT MARKINGS AS DIRECTED BY THE CITY.
- MARKINGS SHALL BE PREFORMED THERMOPLASTIC AS APPROVED BY THE CITY.

DATE: <u>JUNE 2019</u>	BICYCLE DETECTOR PAVEMENT MARKING	SCALE: <u>NONE</u>
SIGNATURE ON FILE CITY ENGINEER		DEPARTMENT OF PUBLIC WORKS CITY OF PALM DESERT



MARKINGS SHALL BE PREFORMED THERMOPLASTIC AS APPROVED BY THE CITY.

DATE: <u>JUNE 2019</u>	BICYCLE SHARROW PAVEMENT MARKING	SCALE: <u>NONE</u>
SIGNATURE ON FILE CITY ENGINEER		DEPARTMENT OF PUBLIC WORKS CITY OF PALM DESERT



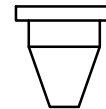
NAIL & COPPER TAG FIXED IN CONCRETE SURFACE
PLAN (TYPE 'C')

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')

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



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.)

DATE: SEPT. 2001

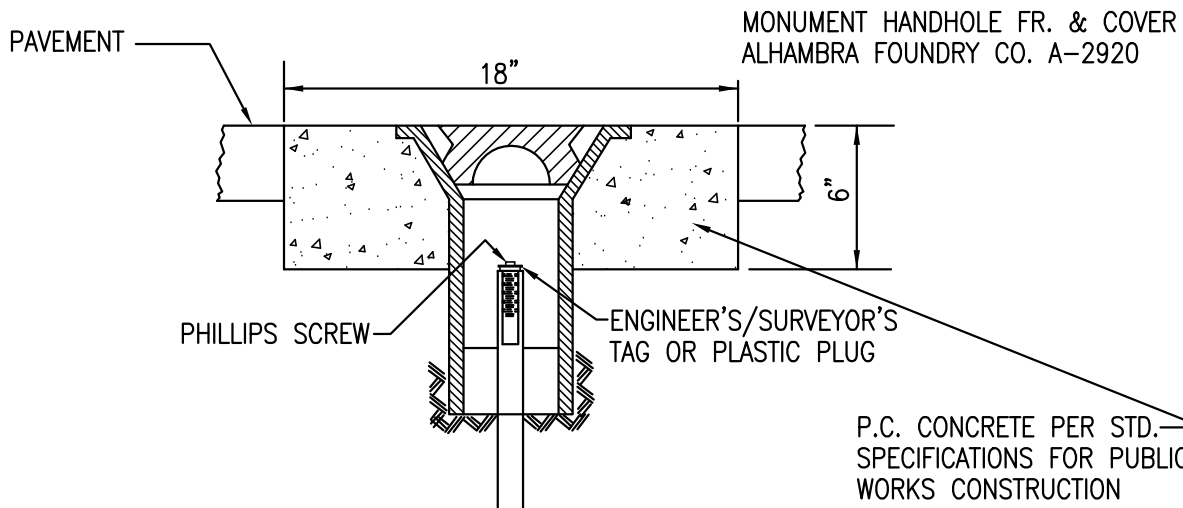
Signature on File
CITY ENGINEER

TYPE A, B, & C MONUMENTS

DEPARTMENT OF PUBLIC WORKS CITY OF PALM DESERT

SCALE: NONE

STD DRAWING NO.
300A



24" X 1" MIN. I.D. GALV. IRON PIPE
 (SUBDIVISION BOUNDARY MONUMENT AT ARTERIAL,
 MAJOR AND SECONDARY STREET CENTERLINE
 INTERSECTIONS & SECTION/QUARTER SECTION CORNERS)

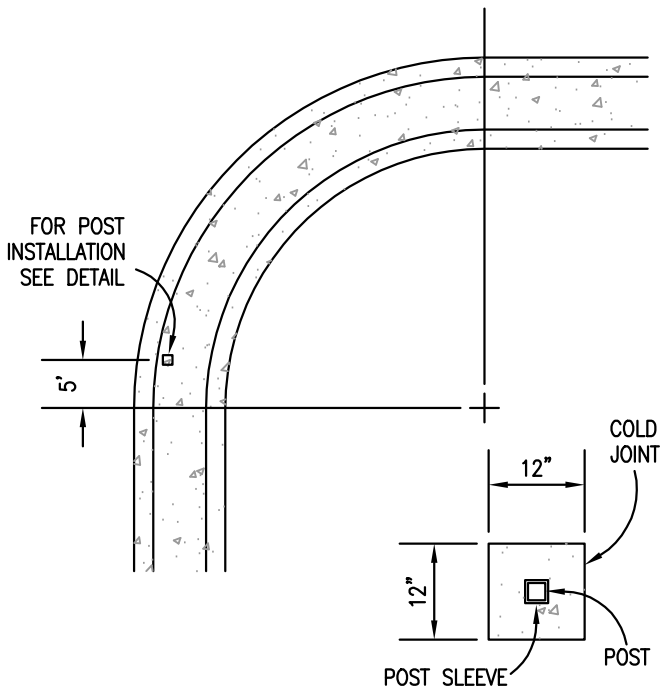
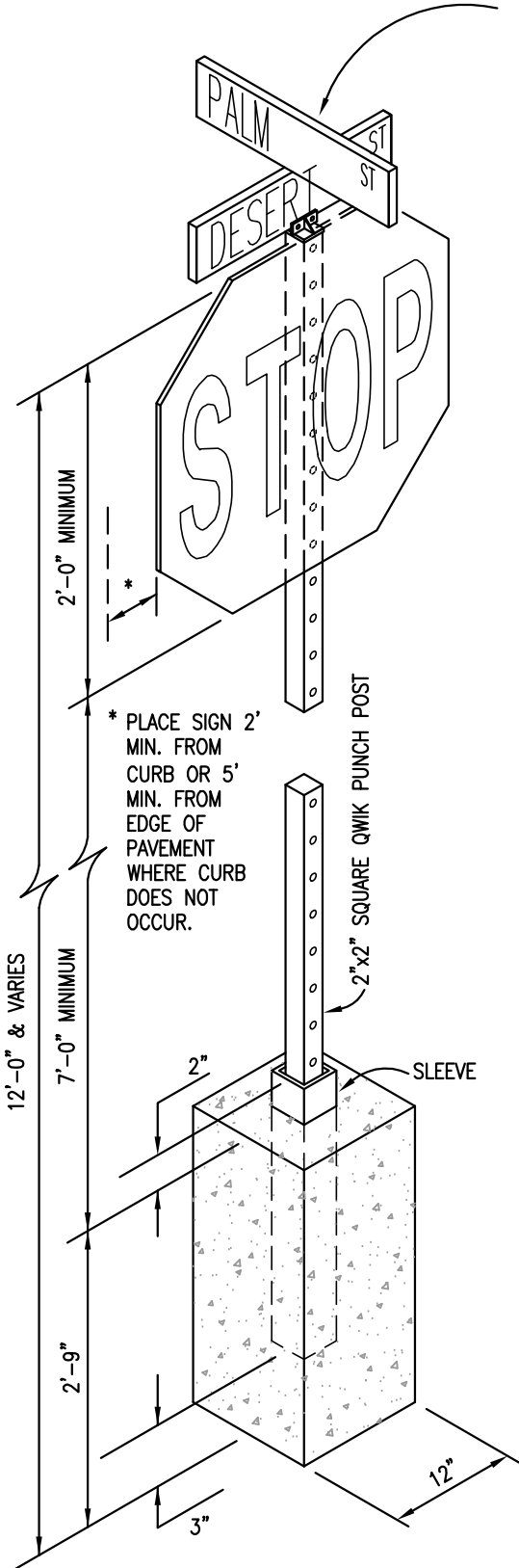
24" X 3/4" MIN. I.D. GALV. IRON PIPE
 (STREET B.C.'S & E.C.'S, CENTERLINE
 INTERSECTIONS, & CTR. OF CUL-DE-SAC) *

* MAY BE SUBSTITUTED WITH A COPPERWELD
 MONUMENT SET FLUSH PER RIVERSIDE
 COUNTY STANDARD NO. 903. 5" MIN LONG
 SPIKE AND STAMPED WASHER MAY BE
 USED IN PRIVATE STREETS.

MONUMENT SHALL BE FURNISHED AND SET BY A LICENSED SURVEYOR OR REGISTERED CIVIL ENGINEER. MONUMENT SHALL CONSIST OF SURVEYOR'S OR ENGINEER'S TAG SECURED WITH A ROUND HEAD PHILLIPS SCREW SET TO TRUE POSITION IN TOP OF CEMENT MORTAR CORE IN GALVANIZED IRON PIPE OR A STAMPED PLASTIC PLUG.

DATE: <u>SEPT. 2001</u>	STANDARD MONUMENT WELL TYPE A & B MONUMENTS	SCALE: <u>NONE</u>
Signature on File CITY ENGINEER		STD DRAWING NO. 300B
DEPARTMENT OF PUBLIC WORKS		CITY OF PALM DESERT

DOUBLE FACED SIGNS FOR EACH STREET NAME PER C.P.D. STD. 301A.
VANDEL-PROOF HARDWARE FOR FASTENING AS APPROVED BY THE CITY
ENGINEER.



DETAIL
N.T.S.

TYPICAL PLACEMENT

STREETS WIDER THAN 64 FEET
(SECONDARY AND ABOVE), SHALL HAVE
STREET NAME SIGNS INSTALLED ON THE
NEAR SIDE CORNERS FOR EACH DIRECTION
OF TRAVEL.

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

DATE: SEPT, 2001

Signature on File
CITY ENGINEER

STREET NAME SIGN INSTALLATION

DEPARTMENT OF PUBLIC WORKS

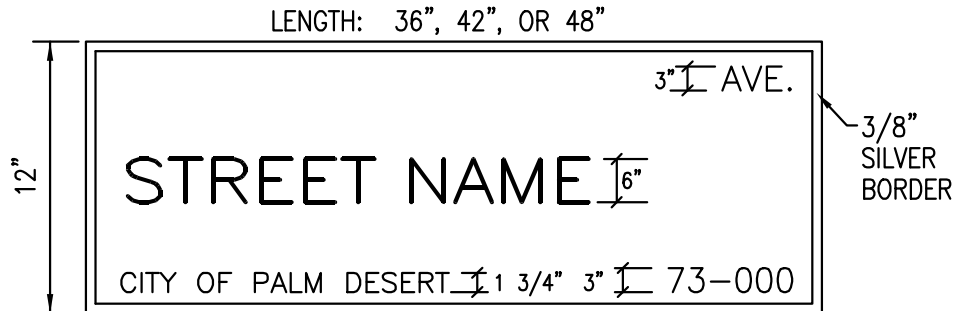
CITY OF PALM DESERT

SCALE: NONE

STD DRAWING NO.
301

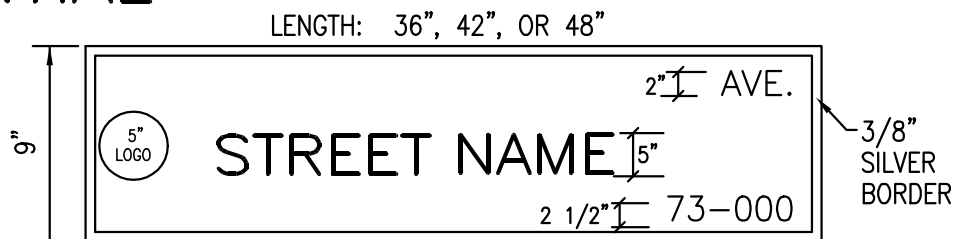
REGIONAL

(FOR ARTERIAL, MAJOR THOROUGHFARE, & 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 new sheet aluminum alloy 5052-H38. The thickness of the aluminum shall be 0.125 inch.

BLADE SIZE

There shall be two sizes of street name signs. Regional and Residential. Regional shall be 12 inches and residential shall be 9 inches. The horizontal length shall be determined by the legend.

REFLECTIVE SHEETING:

The sign faces shall be made from encapsulated lens reflective sheeting. (High intensity grade material.)

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. Signs shall have an overall length of not less than 36 inches and not over 48 inches.

SIZE AND SERIES:

Legends shall be all upper case in standard lengths and shall be fabricated using standard FWA "C" or "B" Series letters for all copy. Regional sign shall have 6 inch legend with 3 inch suffix and block number. The words "CITY OF PALM DESERT" shall be 1 3/4 inches. Residential sign shall have 5 inch legend. The suffix shall be 2 inches and the block number shall be 2 1/2 inches.

DATE: SEPT, 2001

STREET NAME SIGNS

SCALE: NONE

Signature on File
CITY ENGINEER

DEPARTMENT OF PUBLIC WORKS

CITY OF PALM DESERT

STD DRAWING NO.

301A



72" STANDARD PANEL



96" PANEL

NOTES:

- 1) Signs to be State of California Type "A" per Caltrans specifications.
- 2) Panels to be either 72" or 96"
- 3) Sign face shall be 3M VIP Diamond Grade Reflective Sheeting for Screened on ink with 3M color #888I, or approved equal.
- 4) Letter sizes as specified.
- 5) Illuminated street name signs shall NOT display a suffix, i.e.: St., Dr., Ave., Cir., etc.

DATE: SEPT. 2001

CITY ENGINEER

INTERNALLY ILLUMINATED STREET NAME SIGNS

DEPARTMENT OF PUBLIC WORKS

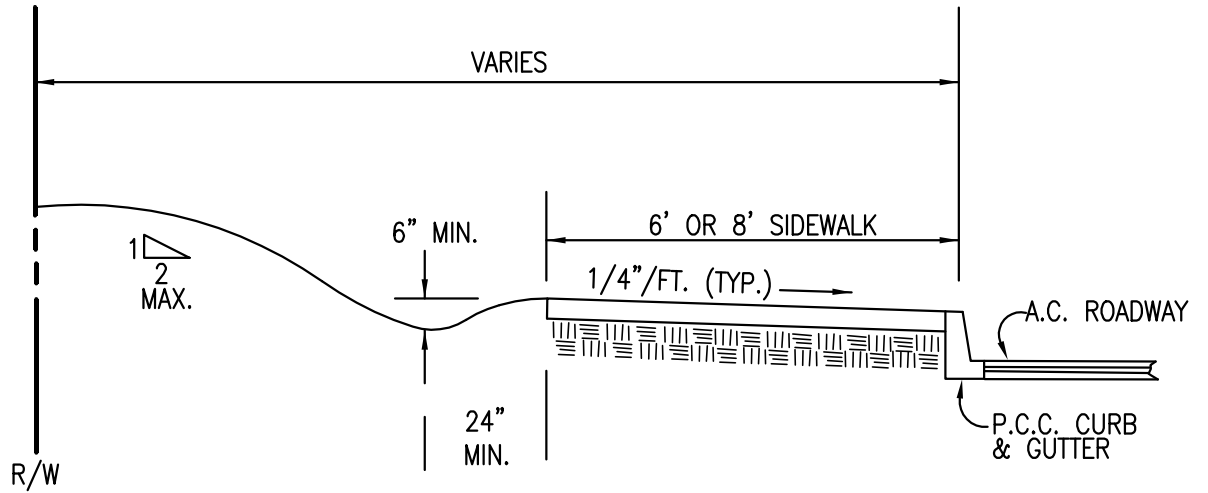
CITY OF PALM DESERT

SCALE: NONE

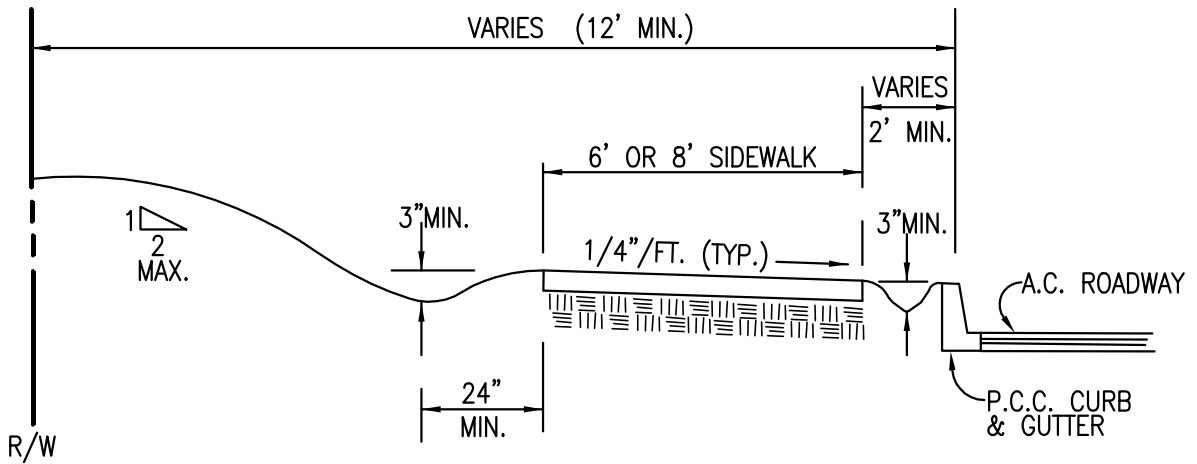
STD DRAWING NO.

301B

CASE 1 - CURBSIDE SIDEWALK - PARKWAY

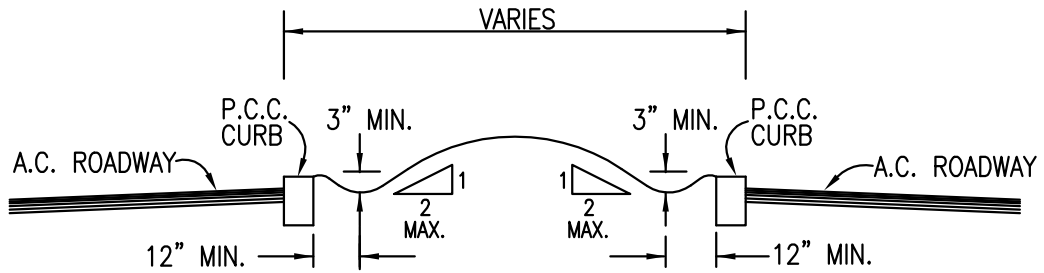


CASE II - MEANDERING SIDEWALK - PARKWAY

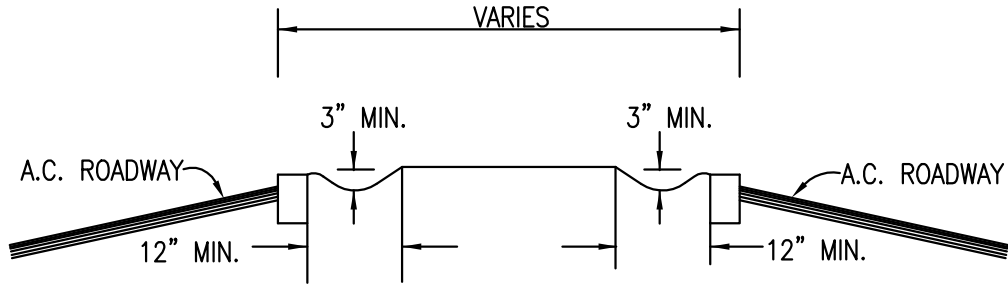


DATE: <u>SEPT. 2001</u>	PARKWAY/MEDIAN ISLAND LANDSCAPE MOUNDING	SCALE: <u>NONE</u>
Signature on File CITY ENGINEER		STD DRAWING NO. 310-1
DEPARTMENT OF PUBLIC WORKS		CITY OF PALM DESERT

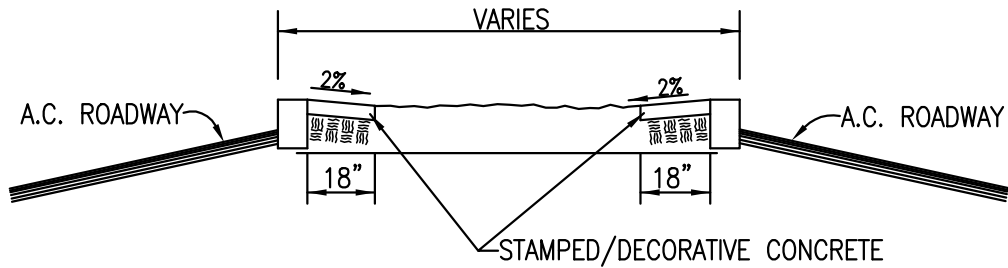
CASE III(A) - MEDIAN ISLAND



CASE III(B) - MEDIAN ISLAND



CASE III(C) - MEDIAN ISLAND



DATE: SEPT. 2001

Signature on File
CITY ENGINEER

PARKWAY/MEDIAN ISLAND LANDSCAPE MOUNDING

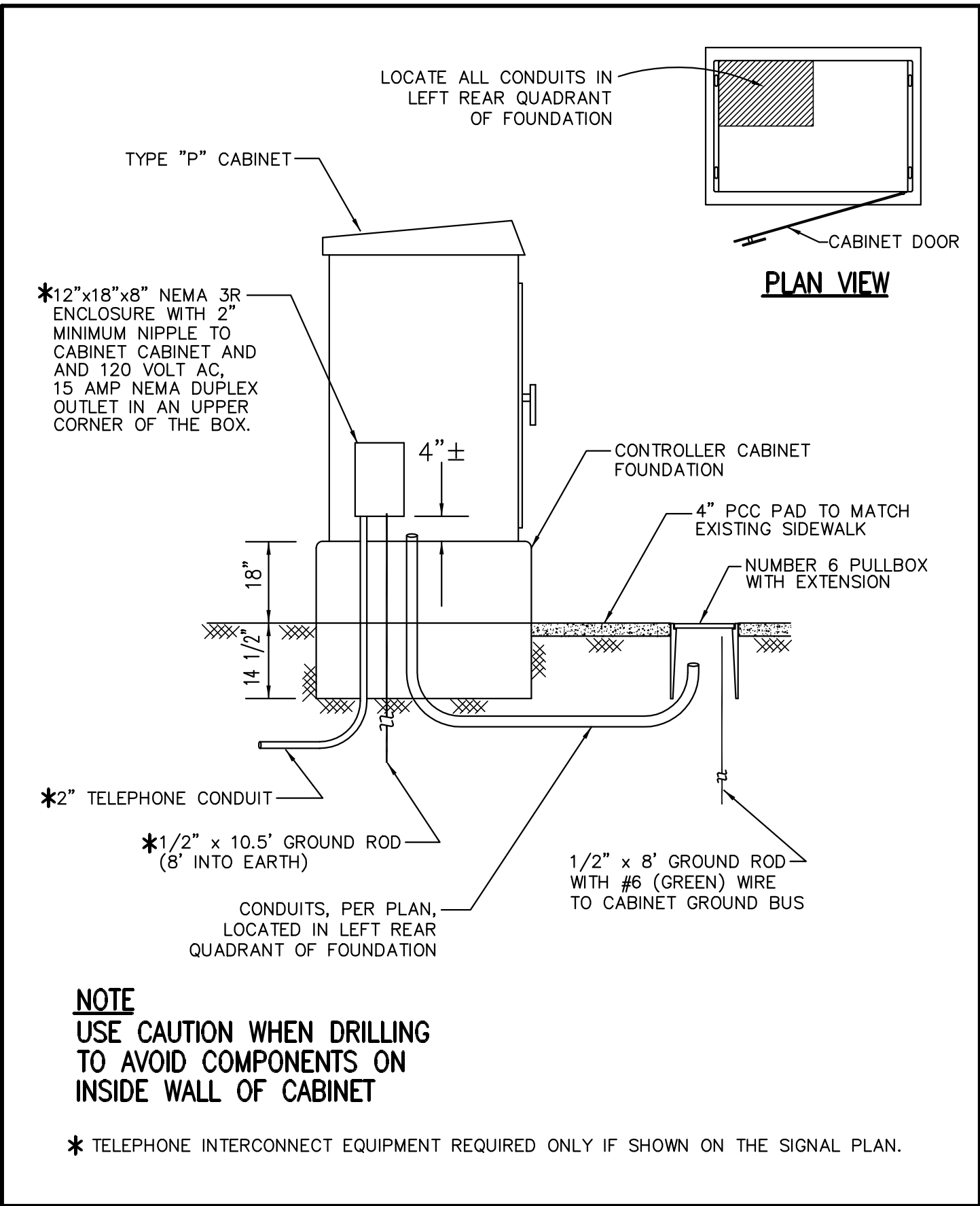
DEPARTMENT OF PUBLIC WORKS

CITY OF PALM DESERT

SCALE: NONE

STD DRAWING NO.

310-II



DATE: SEPT. 2001

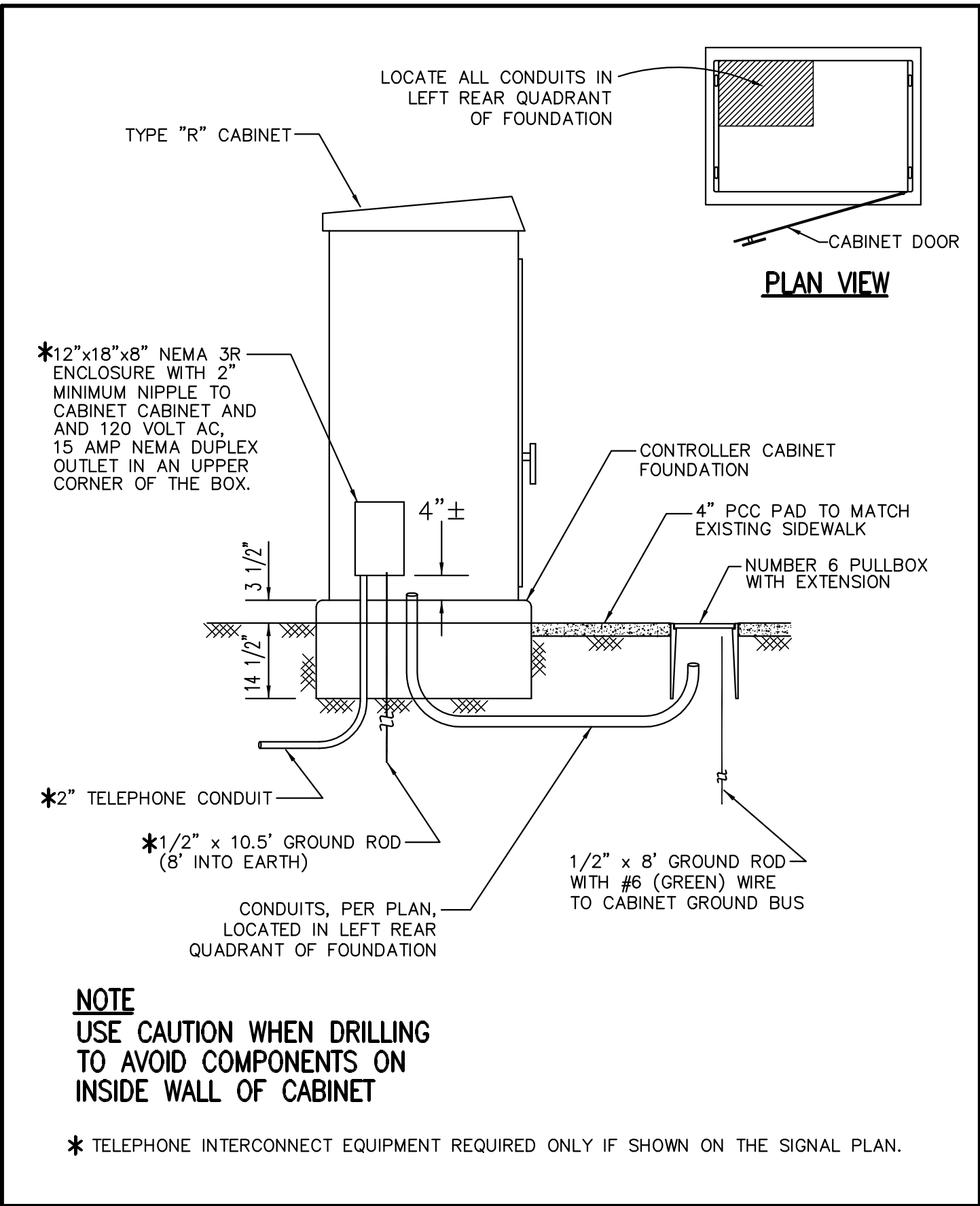
Signature on File
CITY ENGINEER

TYPE "P"
CONTROLLER ASSEMBLY DETAIL

DEPARTMENT OF PUBLIC WORKS CITY OF PALM DESERT

SCALE: NONE

STD DRAWING NO.
400A



DATE: SEPT. 2001

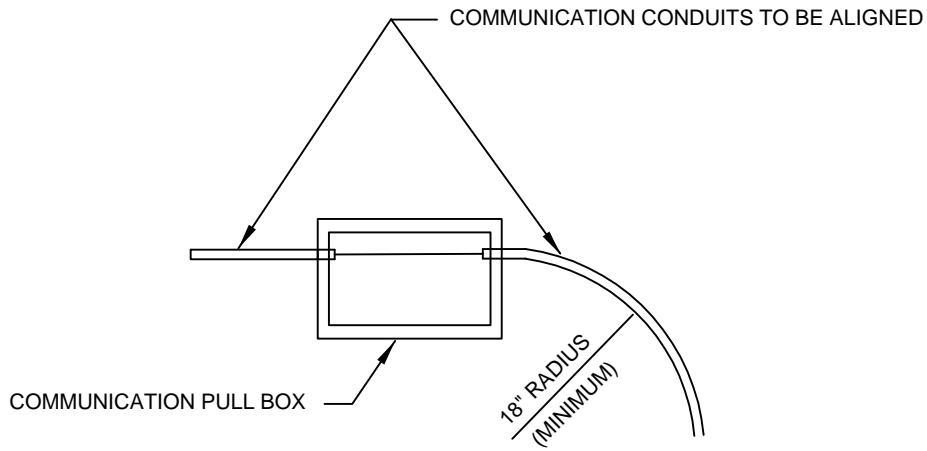
Signature on File
CITY ENGINEER

TYPE "R"
CONTROLLER ASSEMBLY DETAIL

DEPARTMENT OF PUBLIC WORKS CITY OF PALM DESERT

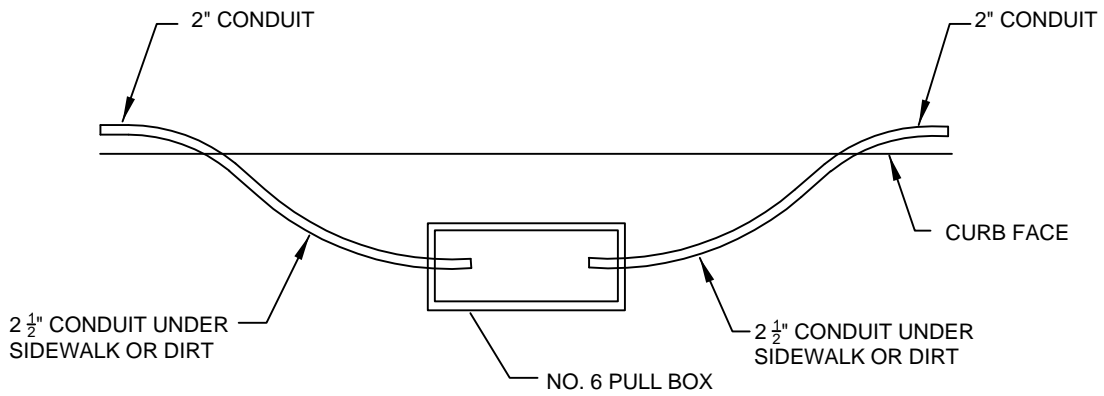
SCALE: NONE

STD DRAWING NO.
400B



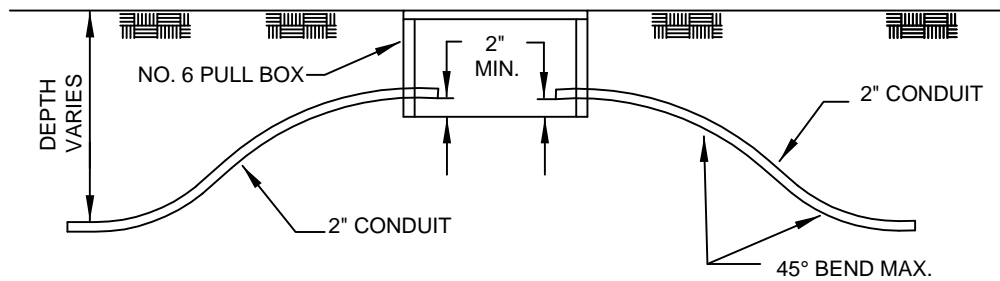
DETAIL A

TYPICAL MINIMUM BENDING RADIUS



TOP VIEW

ROUTE CONDUIT UNDER CURB & GUTTER INTO PULL BOX



SIDE VIEW

DATE: SEPT. 2001

INTERCONNECT PULL BOX DETAILS

SCALE: NONE

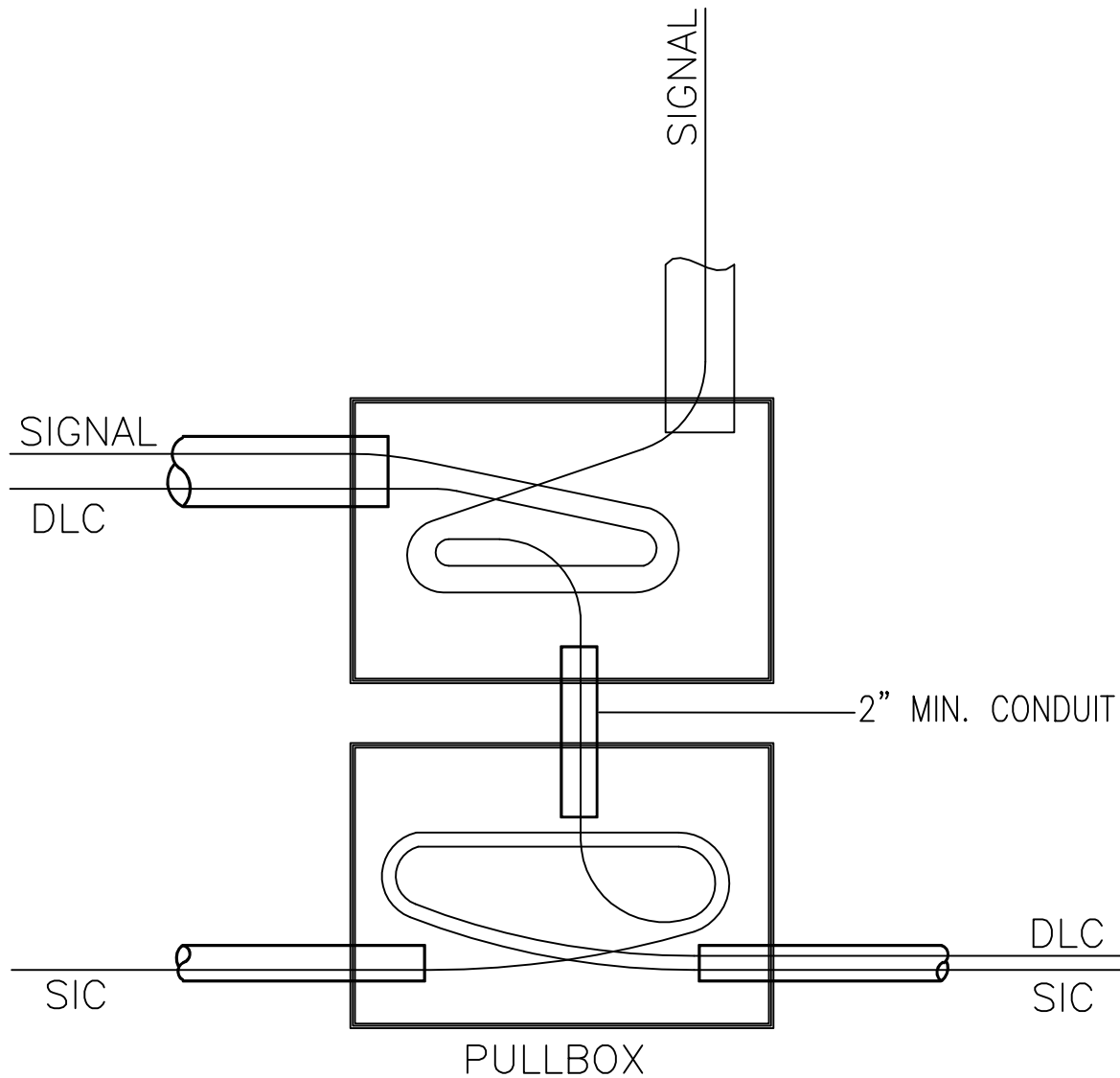
Signature on File
CITY ENGINEER

DEPARTMENT OF PUBLIC WORKS

CITY OF PALM DESERT

STD DRAWING NO.

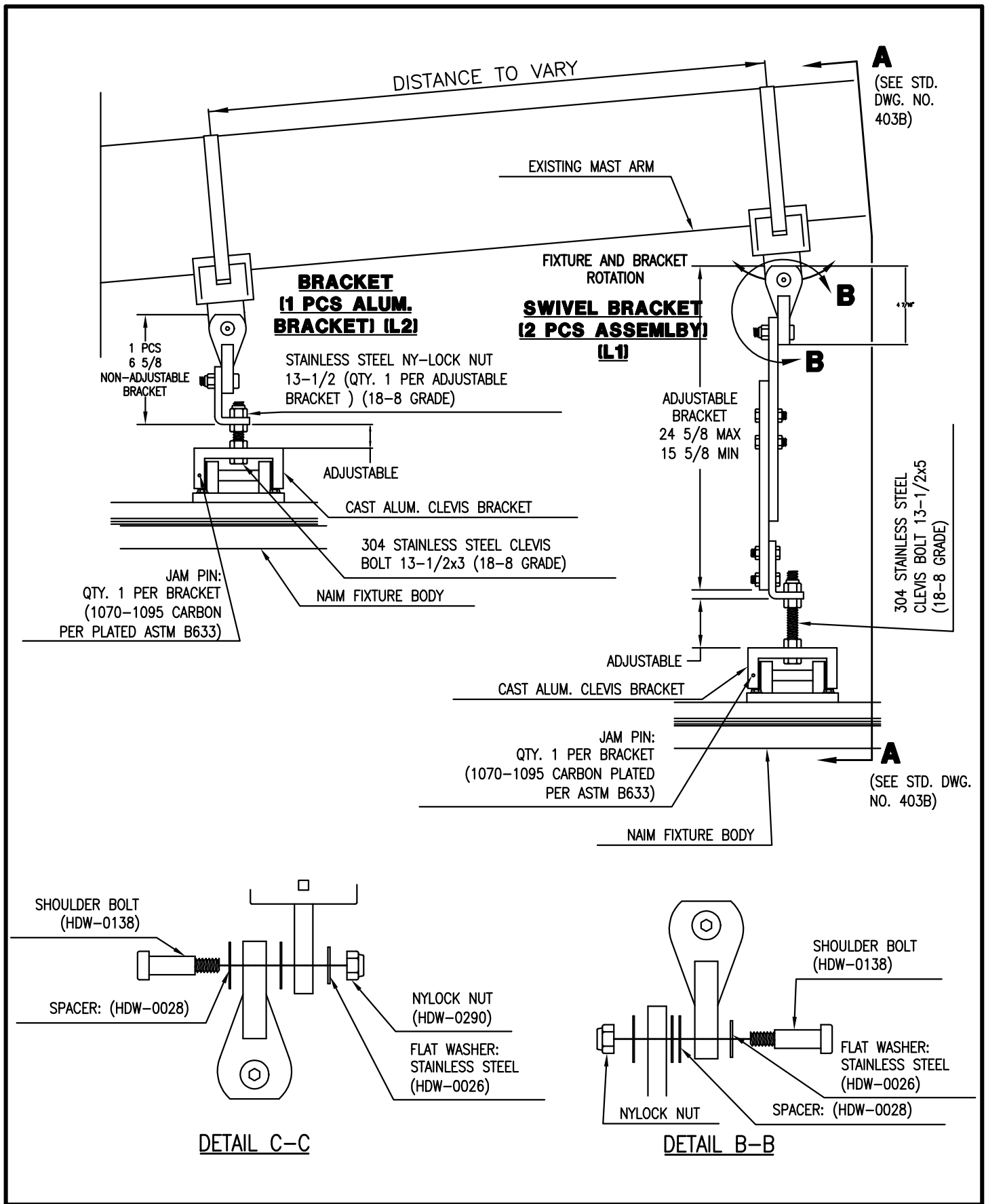
401



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 SIC CONDUCTORS MUST BE ISOLATED FROM EACH OTHER.

DATE: <u>SEPT. 2001</u>	<h1>SIC ISOLATION DETAIL</h1>	SCALE: <u>NONE</u>
Signature on File CITY ENGINEER		DEPARTMENT OF PUBLIC WORKS CITY OF PALM DESERT



DATE: SEPT. 2001

Signature on File
 CITY ENGINEER

IISNS MOUNTING DETAIL

DEPARTMENT OF PUBLIC WORKS CITY OF PALM DESERT

SCALE: NONE

STD DRAWING NO.
403-A

210 STAINLESS STEEL STRAP: (BUY-0058) FIELD ADJUSTABLE FOR A VARIETY OF MAST ARM DIA. (MIN TENSILE 100,000 PSI) (.050x.625) (OPTIONAL DOUBLE STRAP AVAILABLE UPON REQUEST)

MAST ARM (BY OTHERS)

STRAP BUCKLE AND SET SCREW: 5/32 STAINLESS STEEL SET SCREW (18-8 GRADE) (TORQUE TO 5-7 Ft/LBS.) STAINLESS STEEL STRAP BUCKLE

STRAP BOLT: 14-7/16 410 STAINLESS STEEL WITH A MIN. TENSILE STRENGTH OF 80 KSI

MINI BRACKET CASTING: 713 ALUM. (BUY-0063)

STAINLESS STEEL 14-7/16 NY-LOCK NUT (HDW-0352) (QTY. 1 PER STRAP)

SQARE HEADED SET SCREW: ZINC PLATED STEEL (TORQUE TO 2-3 Ft/LBS.) (1070-1095 CARBON PLATED PER ASTM B663)

GROOVE PIN (REFER TO NOTES)

304 STAINLESS STEEL SHOULDER BOLT (1/2x1 1/4) WITH 16-3/8 STAINLESS STEEL NY-LOCK NUT (HDW-0290) (18-8 GRAE) AND BRONZE BUSHING (QTY. 1 PER BRACKET)

FIXTURE AND BRACKET ROTATION

304 STAINLESS STEEL SHOULDER BOLT (1/2x1 1/4) WITH 16-3/8 STAINLESS STEEL NY-LOCK NUT (HWD-0290) (18-8 GRADE) AND BRONZE BUSHING (QTY. 1 PER BRACKET)

CAST ALUM. SWIVEL BRACKET (ALLOY 356) (CTG-0075F)

304 STAINLESS STEEL 16-3/8x1 HEX HEAD BOLT (HDW-0271) WITH STAINLESS STEEL HEX NY-LOCK NUT (HDW-0290) (QTY. 2 PER ADJUSTABLE BRACKET) (18-8 GRADE)

EXTENDER BRACKET (BUY-0065)

304 STAINLESS STEEL 16-3/8x1 1/4 HEX HEAD BOLT WITH STAINLESS STEEL HEX NY-LOCK NUT (HDW-0290) (QTY. 2 PER ADJUSTABLE BRACKET) (18-8 GRADE)

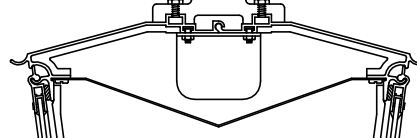
STAINLESS STEEL NY-LOCK NUT 13-1/2 (QTY. 1 PER ADJUSTABLE BRACKET) (18-8 GRADE)

304 STAINLESS STEEL CLEVIS BOLT 13-1/2x3 OR 13-1/2x5 (18-8 GRADE) LENGTH TO BE DETERMINED

STAINLESS STEEL NUT 13-1/2 (2 PER ADJUSTABLE BRACKET) (18-8 GRADE)

CAST ALUM. MOUNTING BLOCK (ALLOY 356)

FIXTURE ROTATION



SECTION A-A

DATE: SEPT 2001

IISNS MOUNTING DETAIL

SCALE: NONE

Signature on File
CITY ENGINEER

DEPARTMENT OF PUBLIC WORKS

CITY OF PALM DESERT

STD DRAWING NO.
403-B

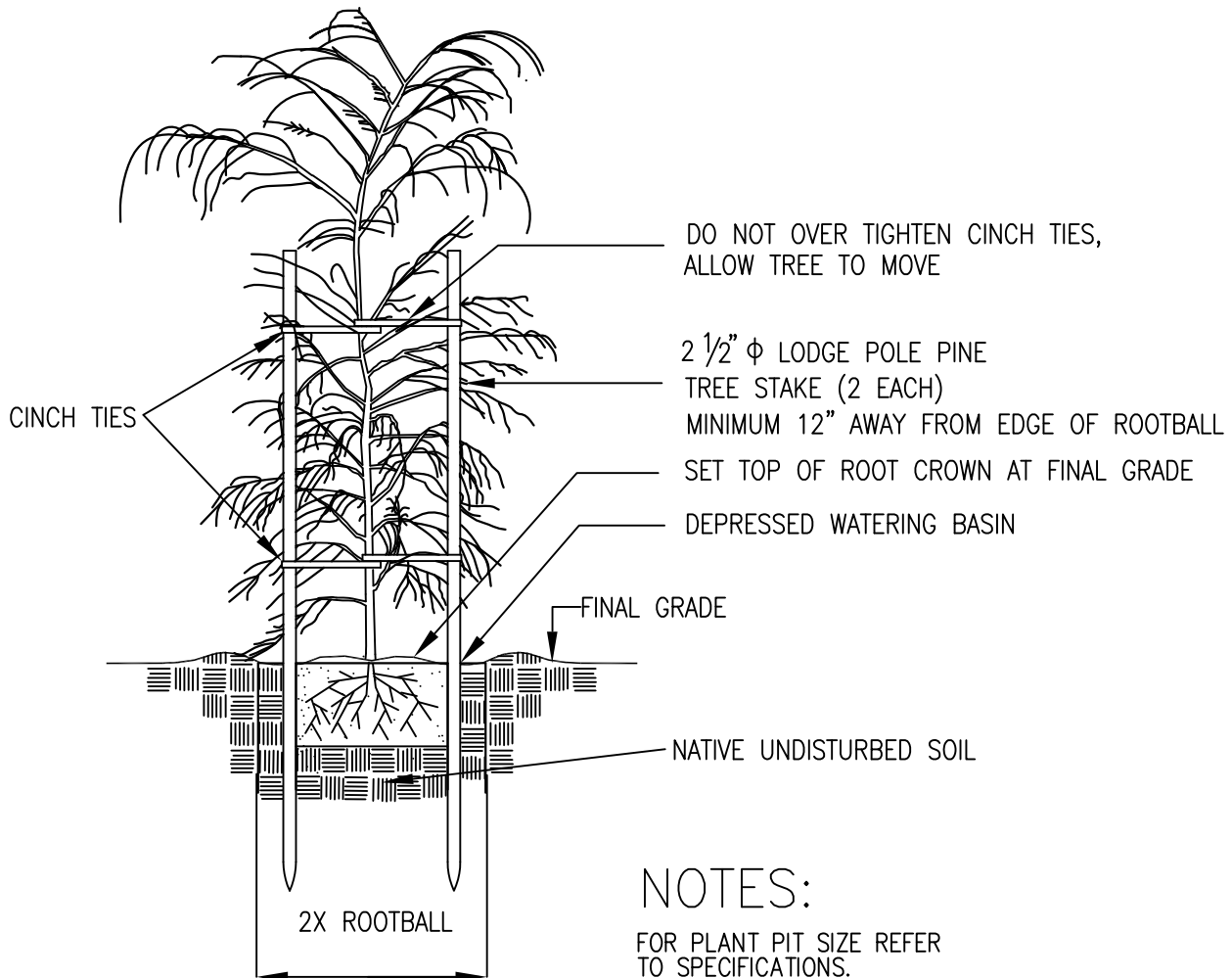


CITY OF PALM DESERT

DEPARTMENT OF PUBLIC WORKS
73-510 Fred Waring Drive
Palm Desert, CA 92260-2578
Tel: (760) 346-0611

LANDSCAPE DRAWINGS

- 001 - TREE INSTALLATION
- 002 - SHRUB INSTALLATION
- 003 - PALM TREE INSTALLATION
- 004 - ESPALIER DETAIL
- 005 - BOULDER INSTALLATION
- 006 - MOUNDING DETAIL
- 007 - COBBLESTONE MEDIAN DETAIL
- 008 - MEDIAN GRADING DETAIL
- 009 - BOULDER PLACEMENT (MEDIAN)
- 010 - PALM/TREE IRRIGATION DETAIL
- 011 - TRENCHING DETAIL
- 012 - CONTROLLER W/ENCLOSURE
- 013 - ALL LIGHT IRRIGATION CONTROLLER
- 014 - MASTER VALVE ASSEMBLY DETAIL
- 015 - BALL VALVE ASSEMBLY DETAIL
- 016 - END FLUSH VALVE DETAIL
- 017 - QUICK COUPLING VALVE
- 018 - ELEC. CONTROL VALVE (DRIP)
- 019 - ELEC. CONTROL VALVE (TURF)
- 020 - TYPICAL ELECTRIC CONTROL VALVE
- 021 - TYPICAL XERIGATION CONTROL VALVE
- 022 - ROTOR HEAD DETAIL
- 023 - TURF SPRAY DETAIL
- 024 - BUBBLER/EMITTER DETAIL
- 025 - DRIP EMITTER DETAIL
- 026 - DRIP ZONE DETAIL
- 027 - TREE EMITTER



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)

DATE: MARCH 2008

TREE INSTALLATION

SCALE: NONE

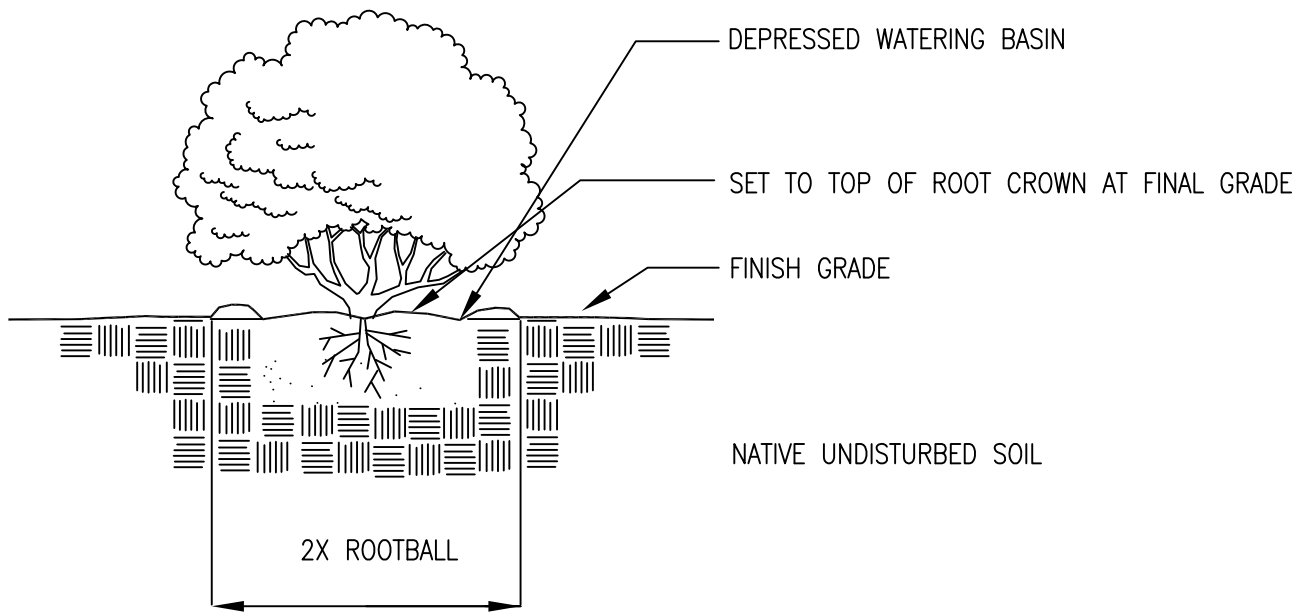
Signature on File
LANDSCAPE MGR.

LANDSCAPE DIVISION

CITY OF PALM DESERT

PLT DRAWING NO.

001



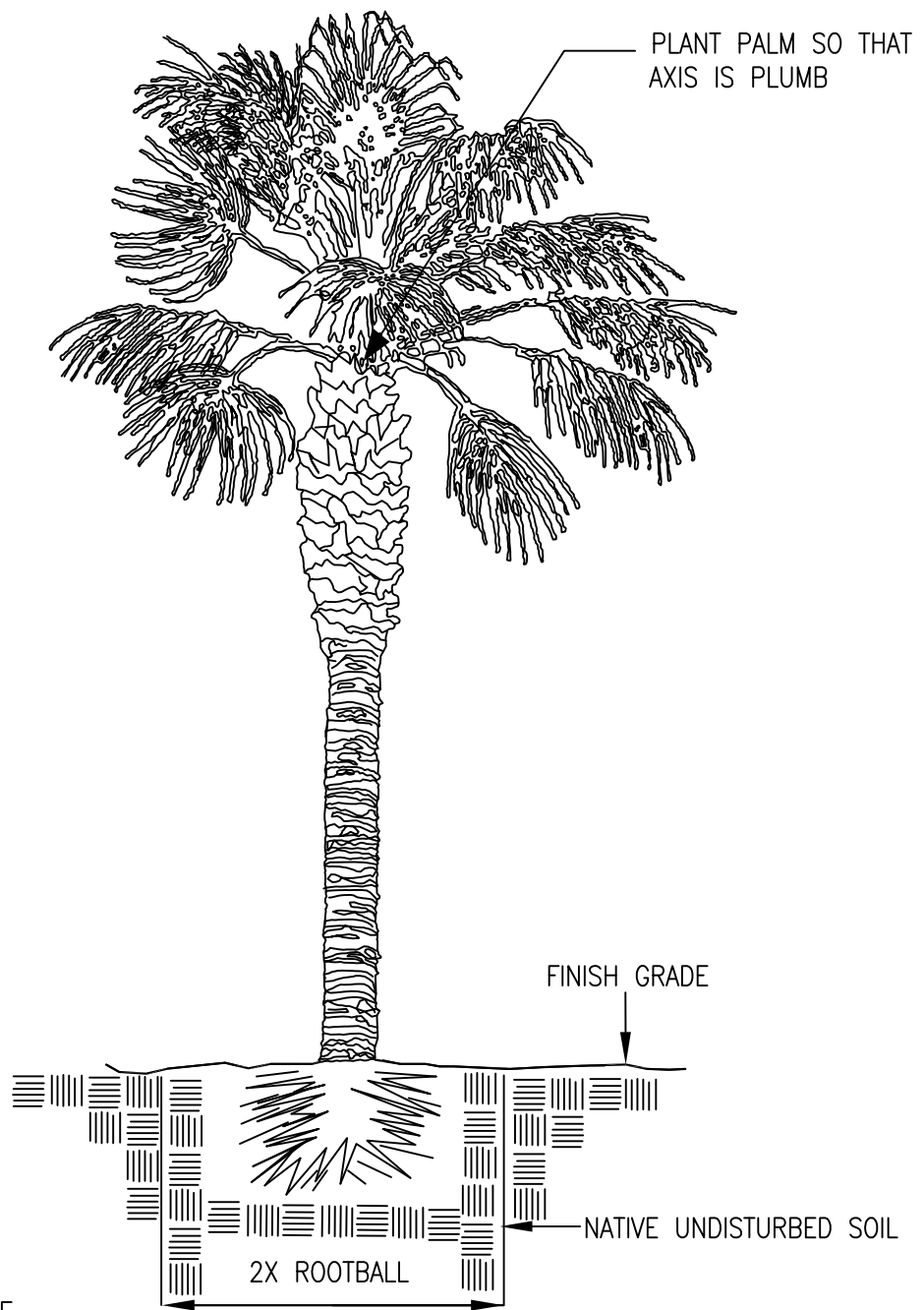
NOTES:

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 BUBBLER IRRIGATION ONLY)

DATE: MARCH 2008	SHRUB INSTALLATION	SCALE: NONE
Signature on File LANDSCAPE MGR.		LANDSCAPE DIVISION CITY OF PALM DESERT



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

DATE: MARCH 2008

PALM TREE INSTALLATION

SCALE: NONE

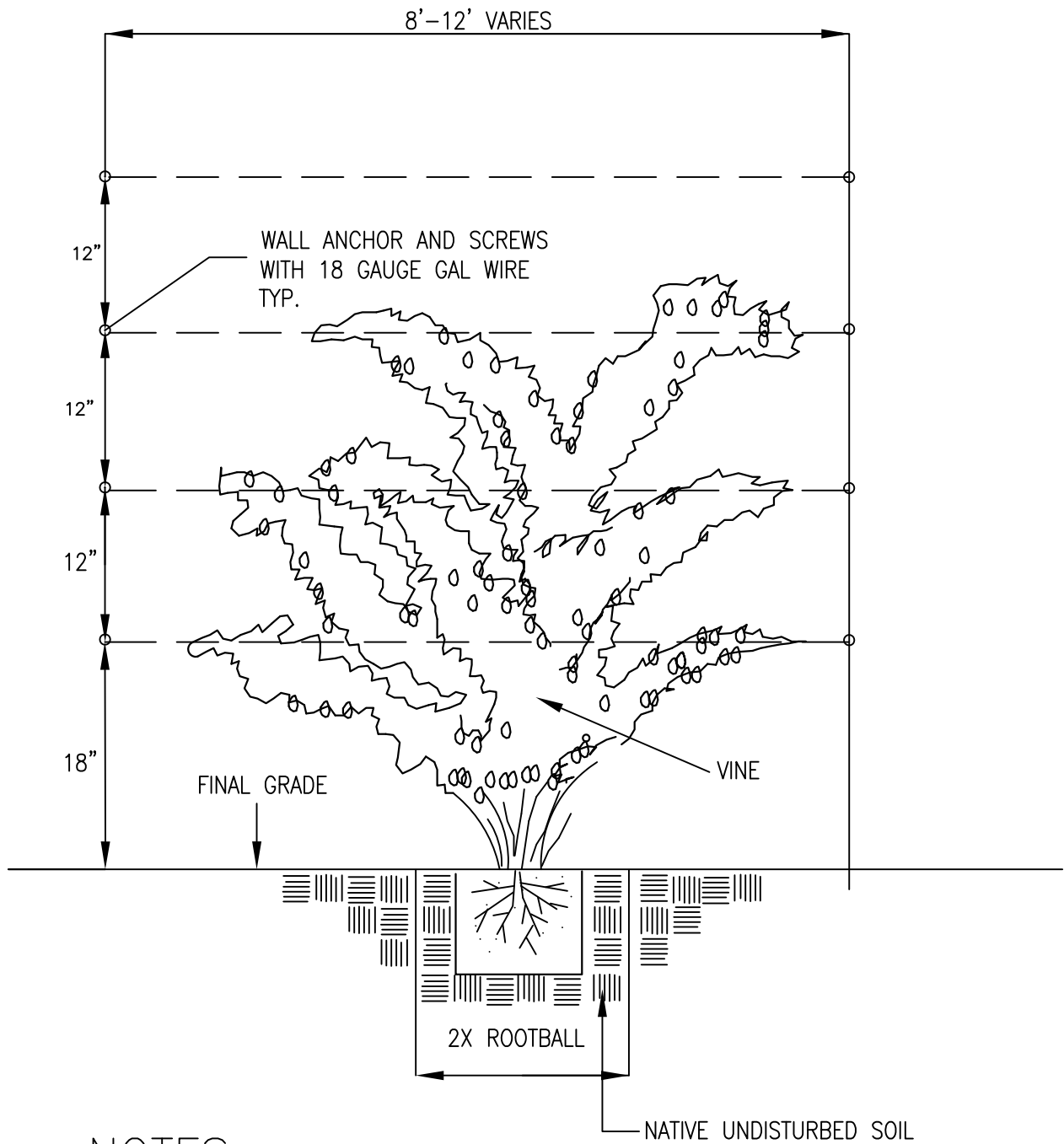
Signature on File
LANDSCAPE MGR.

LANDSCAPE DIVISION

CITY OF PALM DESERT

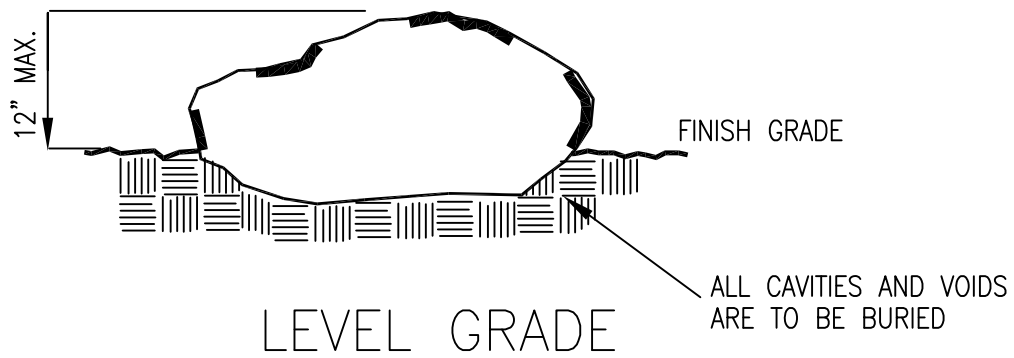
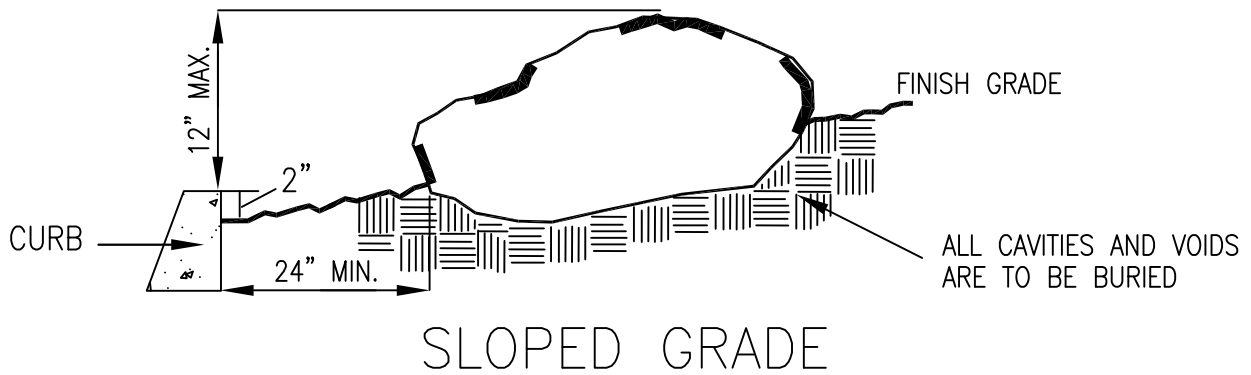
PLT DRAWING NO.

003



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

DATE: <u>MARCH 2008</u>	<h1>ESPALIER DETAIL</h1>	SCALE: <u>NONE</u>
<u>Signature on File</u> LANDSCAPE MGR.		LANDSCAPE DIVISION CITY OF PALM DESERT



NOTES:

ALL MEDIAN BOULDERS TO BE BURIED
A MINIMUM 1/3 NOT TO EXCEED 12"
FROM TOP OF CURB

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

DATE: MARCH 2008

BOULDER INSTALLATION

SCALE: NONE

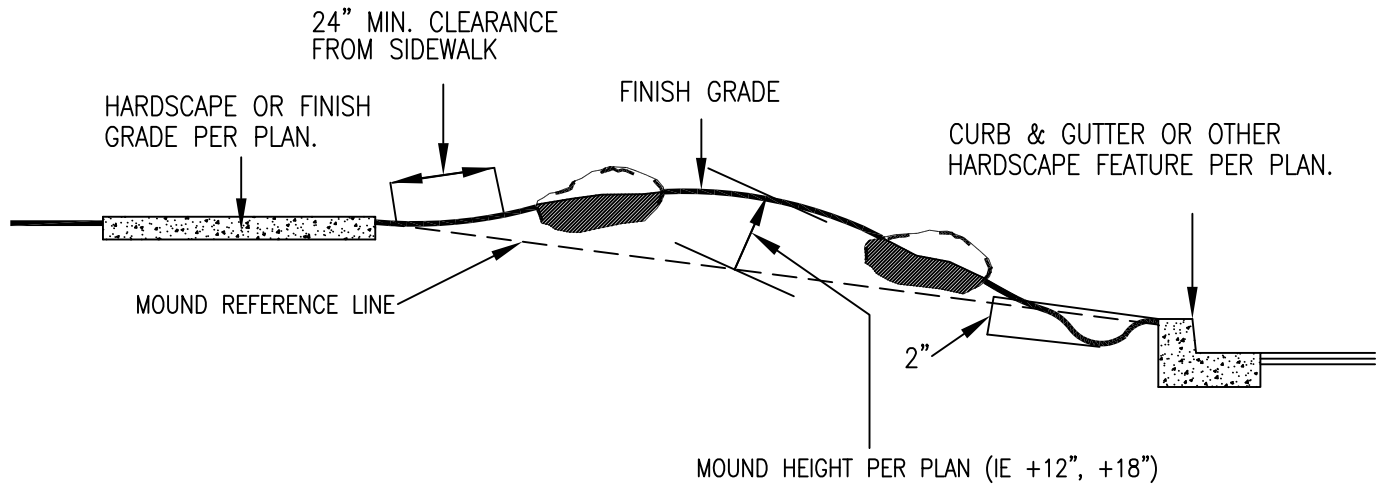
Signature on File
LANDSCAPE MGR.

LANDSCAPE DIVISION

CITY OF PALM DESERT

PLT DRAWING NO.

005



NOTES:

MOUNDS ARE PER DIAGRAM

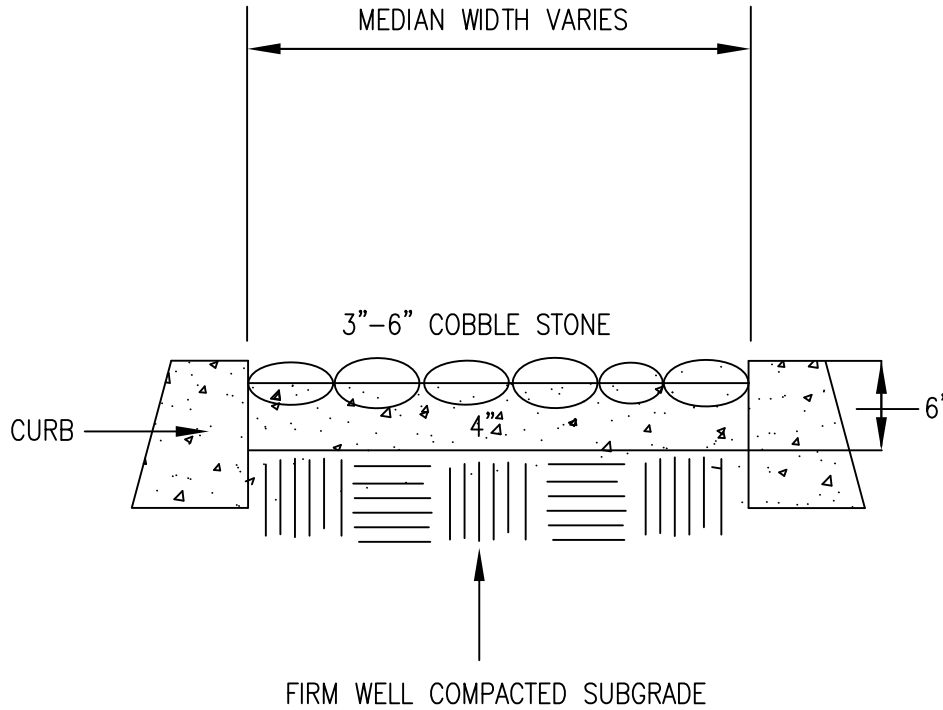
MOUND SHAPES DO NOT REPRESENT ACTUAL CONTOURS

GRADE TO ACTUAL SITE CONDITIONS
OR REFER TO LANDSCAPE PLANS

GIVE PRIORITY TO DRAINAGE OF
PLANTED AREAS.

2" FROM TOP OF CURB OR AS NOTED ON PLAN

DATE: <u>MARCH 2008</u>	<h1 style="margin: 0;">MOUNDING DETAIL</h1>	SCALE: <u>NONE</u>
<u>Signature on File</u> LANDSCAPE MGR.		LANDSCAPE DIVISION CITY OF PALM DESERT



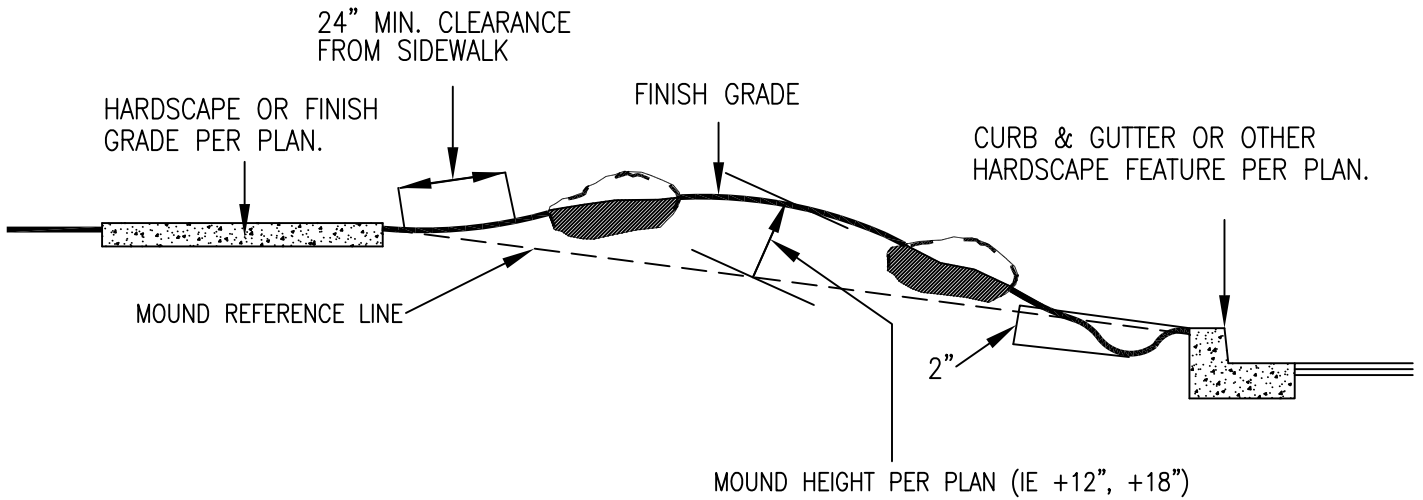
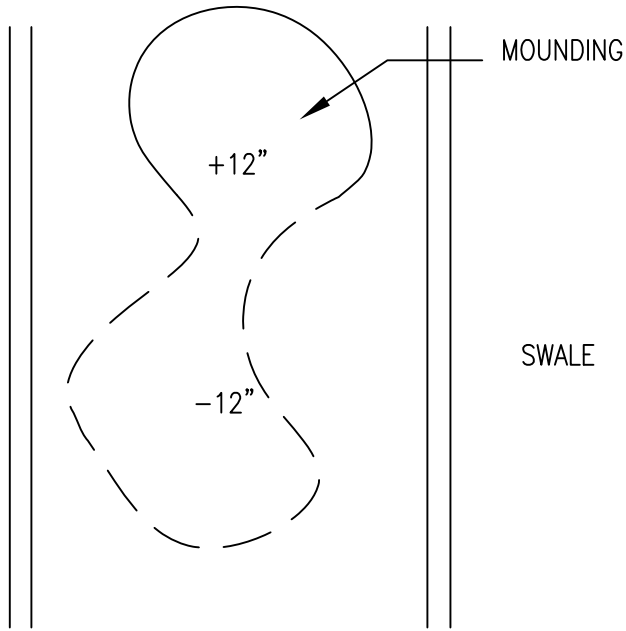
NOTES:

SET COBBLE IN 4" 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 SACK WITH PEAGRAVEL/SAND SLURRY MIX

COBBLE STONE PATTERN RANDOM PLACED WITH
 FLAT SIDE UP

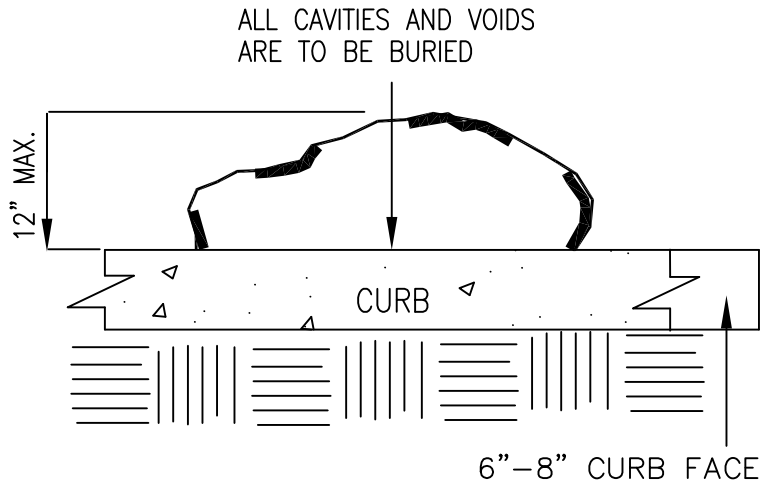
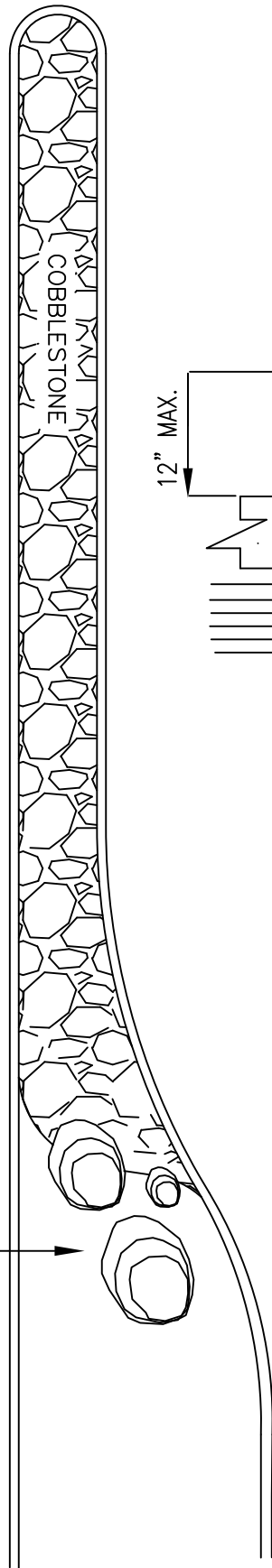
DATE: <u>MARCH 2008</u>	COBBLESTONE MEDIAN DETAIL	SCALE: <u>NONE</u>
Signature on File <u>LANDSCAPE MGR.</u>		LANDSCAPE DIVISION CITY OF PALM DESERT



NOTES:

- MOUNDS ARE PER DIAGRAM
- MOUND SHAPES DO NOT REPRESENT ACTUAL CONTOURS
- GRADE TO ACTUAL SITE CONDITIONS
- GIVE PRIORITY TO DRAINAGE OF PLANTED AREAS.
- 2" FROM TOP OF CURB OR AS NOTED ON PLAN

DATE: <u>MARCH 2008</u>	<h1>MEDIAN GRADING DETAIL</h1>	SCALE: <u>NONE</u>
Signature on File <u>LANDSCAPE MGR.</u>		LANDSCAPE DIVISION CITY OF PALM DESERT



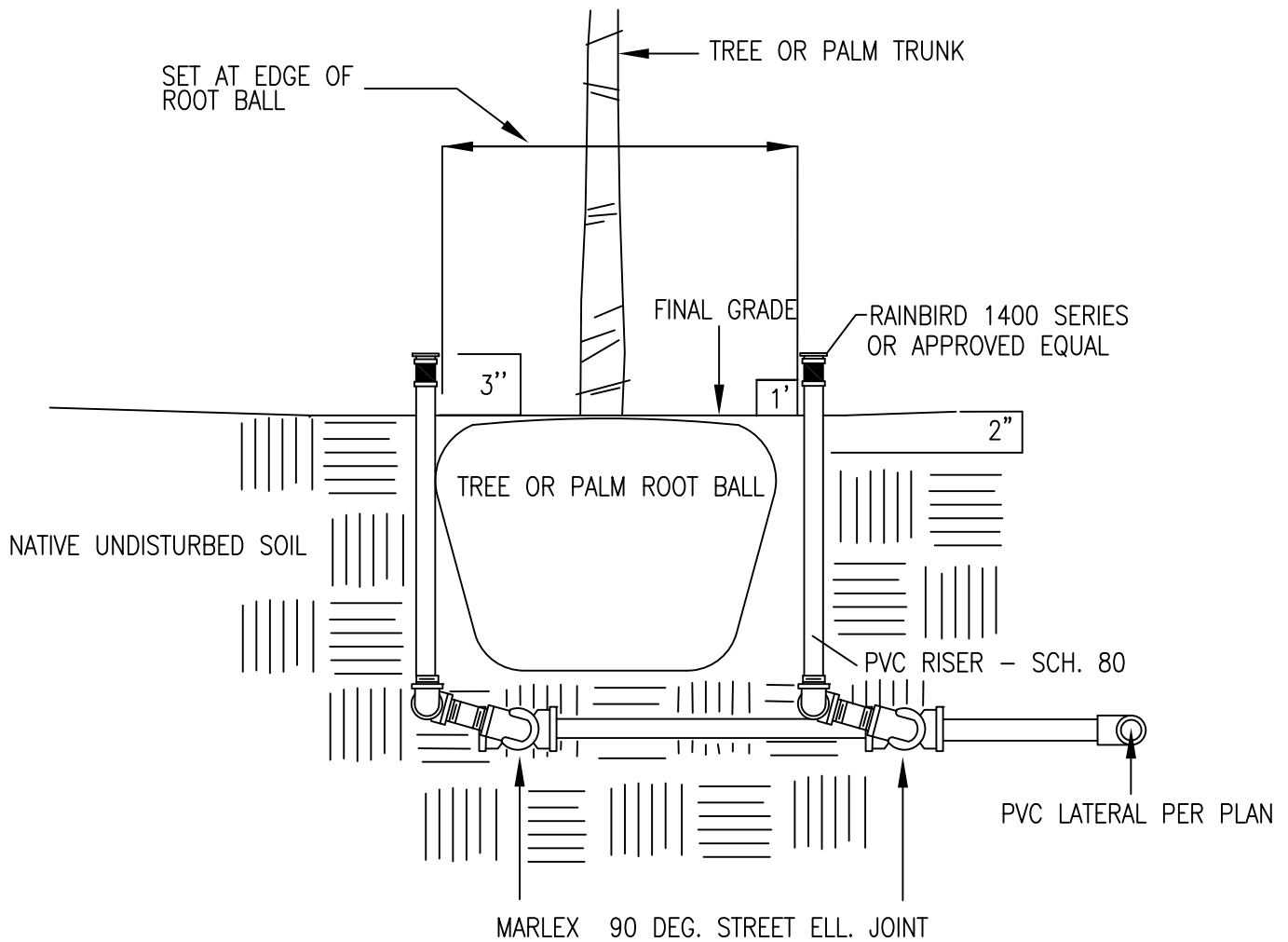
NOTES:

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

DATE: <u>MARCH 2008</u>	BOULDER PLACEMENT (MEDIAN)	SCALE: <u>NONE</u>
Signature on File <u>LANDSCAPE MGR.</u>		LANDSCAPE DIVISION CITY OF PALM DESERT



NOTES:

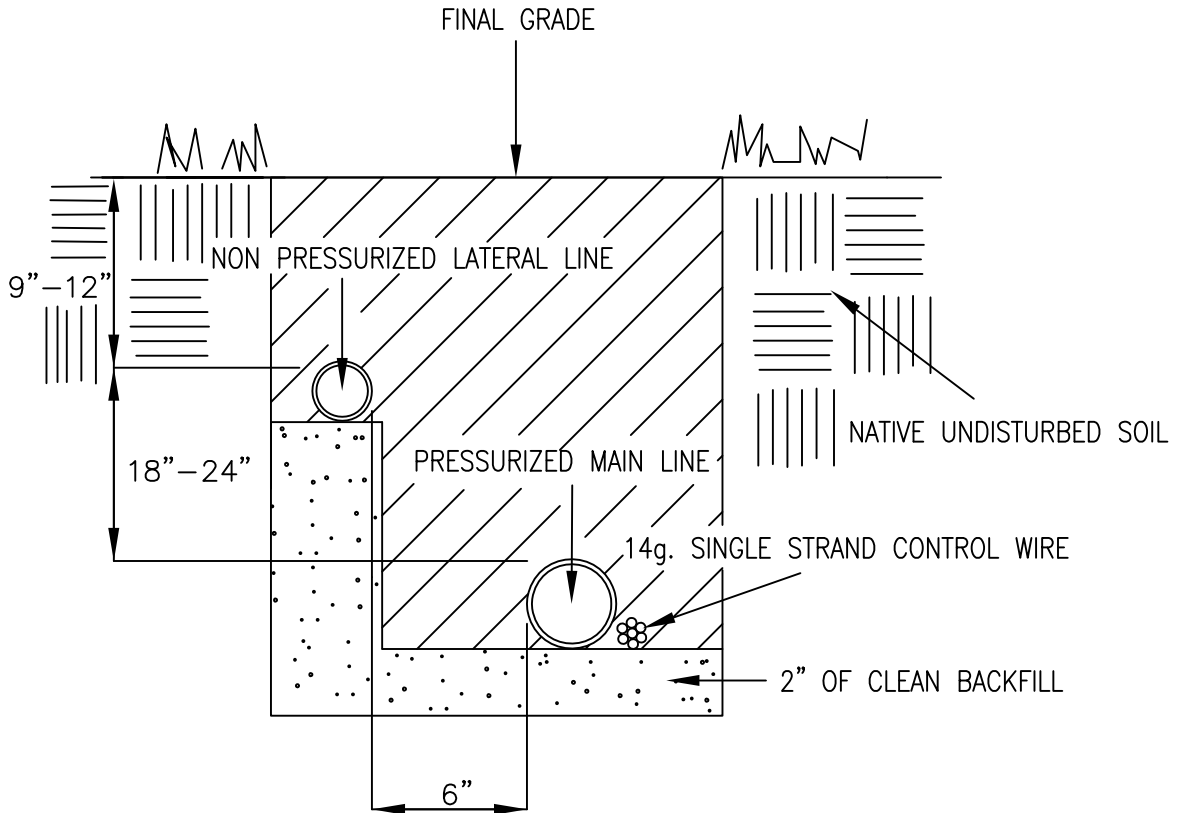
SET BUBBLER MINIMUM 12" AWAY FROM ROOT BALL

SET PALM/TREE ON NATIVE UNDISTURBED SOIL

PROVIDE MINIMUM 2" DEPTH OF CLEAN BACKFILL UNDER IRRIGATION PIPES

TREE PIT PER PLANTING DETAILS.

DATE: <u>MARCH 2008</u>	PALM/TREE IRRIGATION DETAIL	SCALE: <u>NONE</u>
Signature on File <u>LANDSCAPE MGR.</u>		STD DRAWING NO. <u>010</u>
LANDSCAPE DIVISION		CITY OF PALM DESERT



NOTES:

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

COIL 24" OF WIRE IN ALL CORNERS

SEE IRRIGATION SPECS. FOR BACKFILL AND COMPACTION REQUIREMENTS

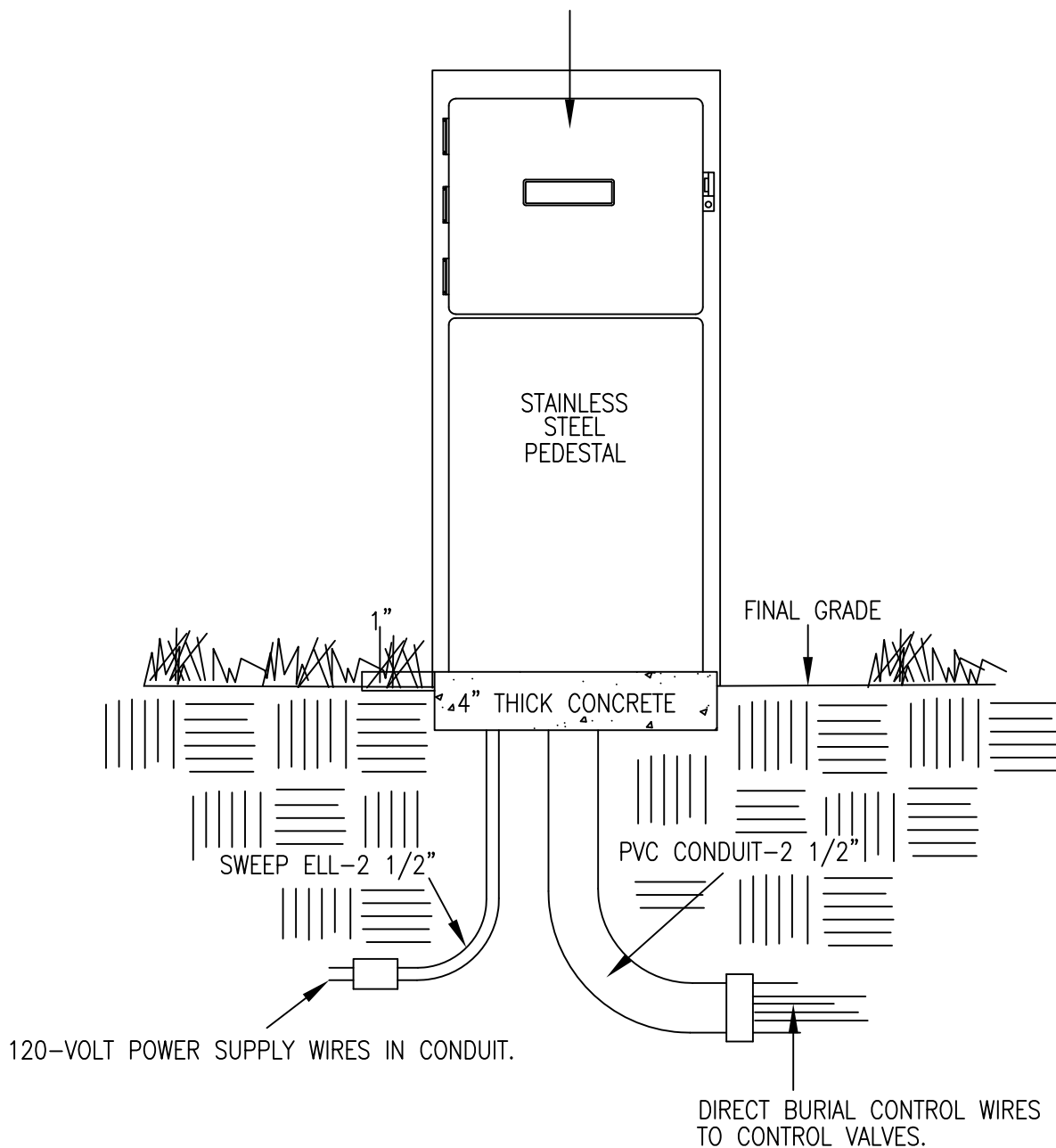
MINIMUM BACKFILL DEPTHS FROM FINAL GRADE TO TOP OF MAINLINE
 18" FOR PIPE SIZES 2 1/2" AND SMALLER
 24" FOR PIPE SIZES 3" AND LARGER

PROVIDE MINIMUM 2" DEPTH OF CLEAN BACKFILL UNDER IRRIGATION PIPES

NO ELECTRICAL CONDUIT TO BE PLACED IN IRRIGATION TRENCH

DATE: <u>MARCH 2008</u>	TRENCHING DETAIL	SCALE: <u>NONE</u>
Signature on File <u>LANDSCAPE MGR.</u>		STD DRAWING NO. <u>011</u>
LANDSCAPE DIVISION		CITY OF PALM DESERT

AUTOMATIC CONTROLLER
INSIDE ENCLOSURE



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.

DATE: MARCH 2008

CONTROLLER W/ ENCLOSURE

SCALE: NONE

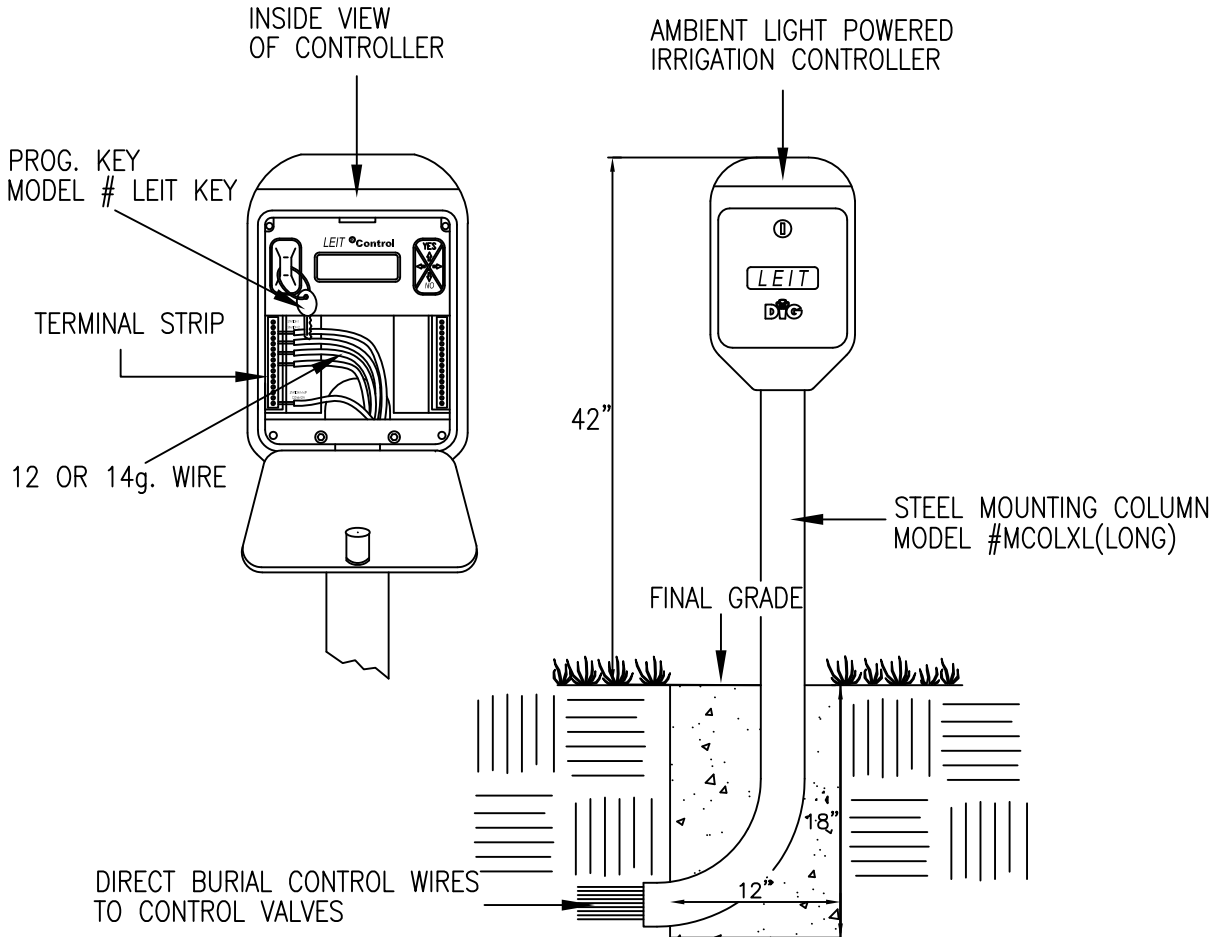
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LANDSCAPE MGR.

LANDSCAPE DIVISION

CITY OF PALM DESERT

STD DRAWING NO.

012

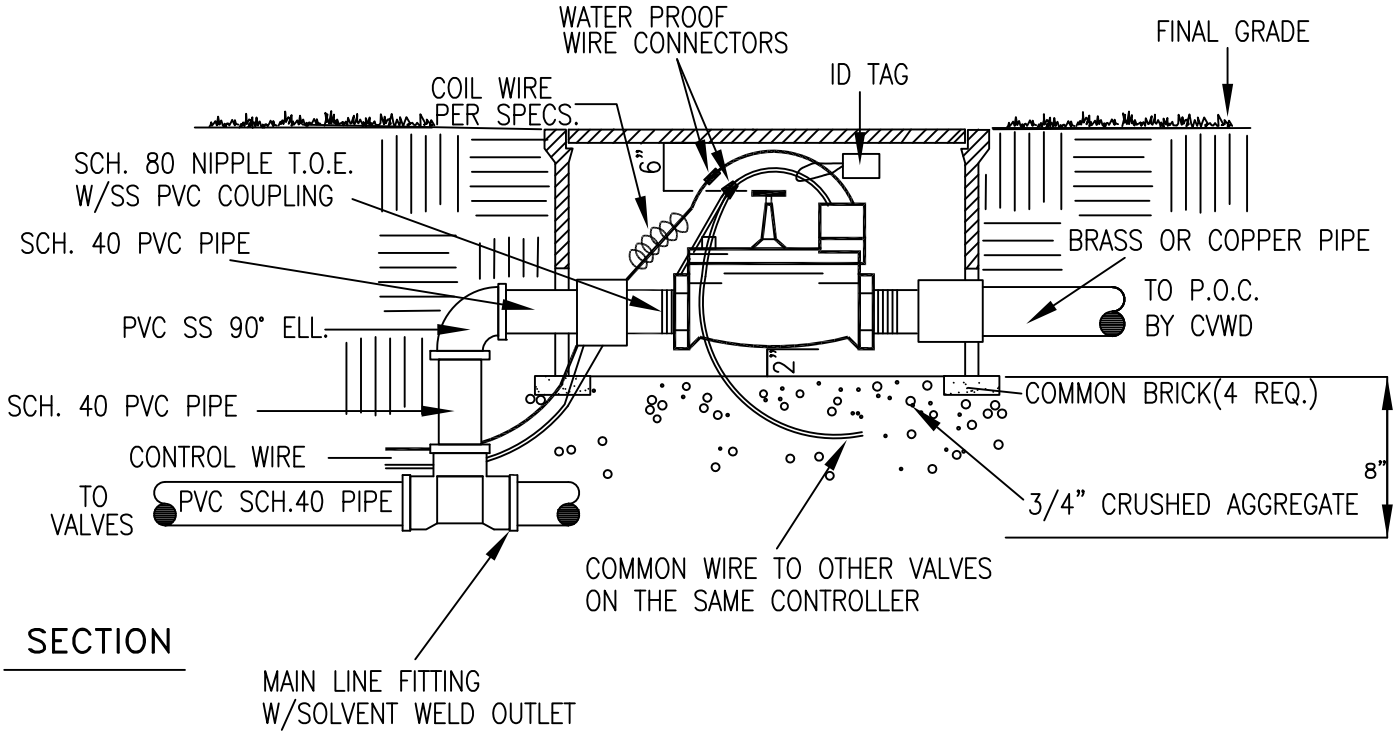


NOTES:
 POUR A 1-1/2 CU. FT. CONCRETE BASE PAD
 PER CITY STANDARD 560-C-2800
 OR MANUFACTURER'S RECOMMENDATION

DATE: <u>MARCH 2008</u>	ALL LIGHT IRRIGATION CONTROLLER	SCALE: <u>NONE</u>
Signature on File <u>LANDSCAPE MGR.</u>		STD DRAWING NO. <u>013</u>
	LANDSCAPE DIVISION	CITY OF PALM DESERT

MCV

PLAN



SECTION

NOTES:

RAIN BIRD GB SERIES ELEC. CONTROL VALVE
OR APPROVED EQUAL

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

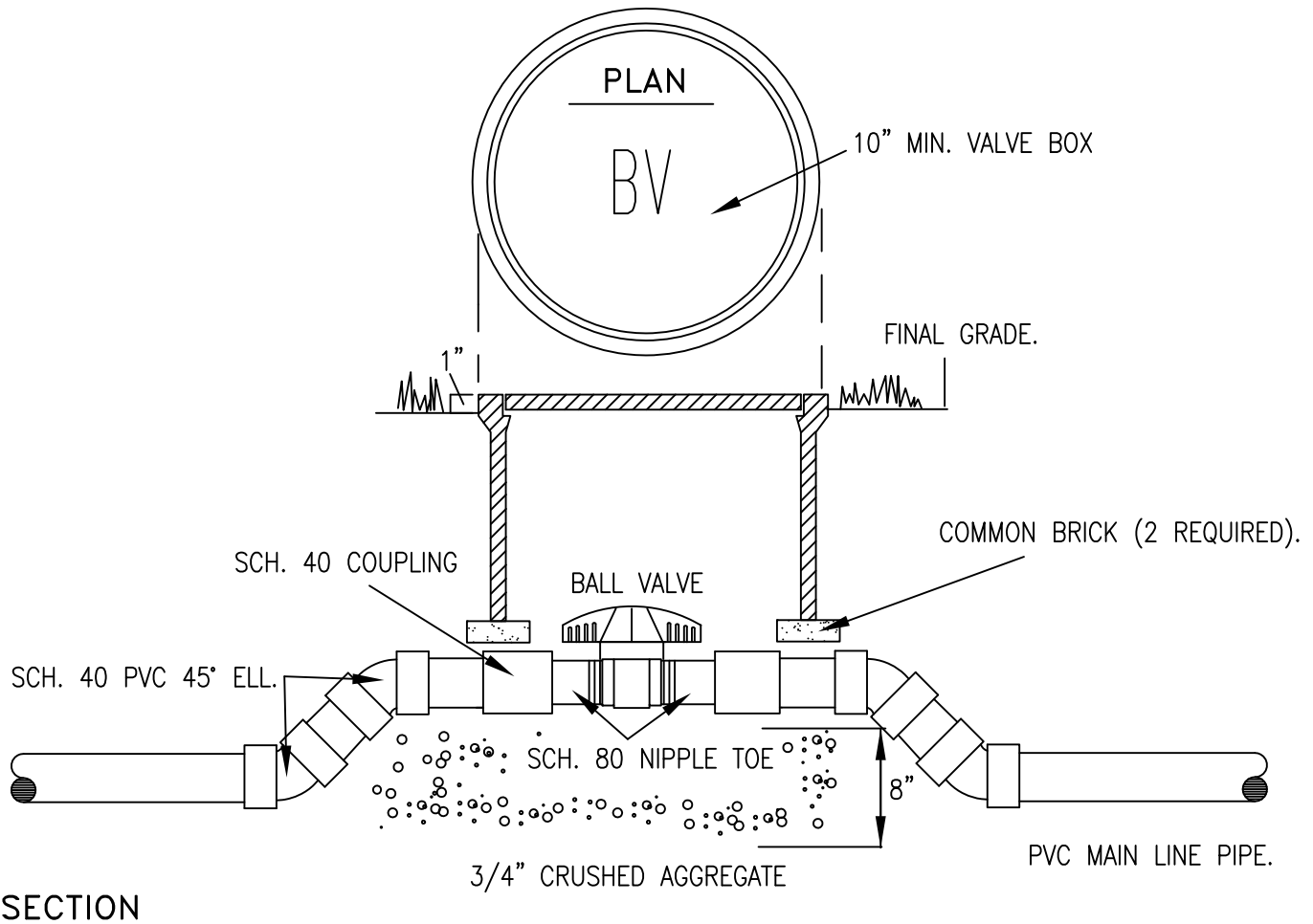
HEAT BRAND VALVE STATION NO. ON LID 2" HIGH CHARACTERS

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

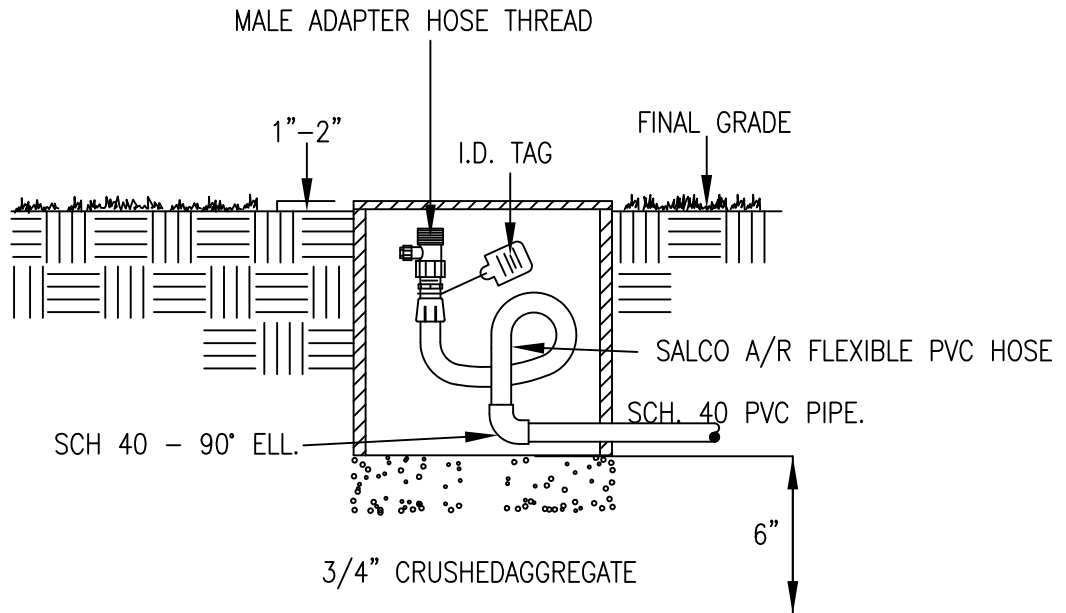
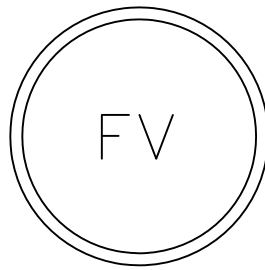
DATE: <u>MARCH 2008</u>	MASTER VALVE ASSEMBLY DETAIL	SCALE: <u>NONE</u>
Signature on File <u>LANDSCAPE MGR.</u>	LANDSCAPE DIVISION CITY OF PALM DESERT	STD DRAWING NO. 014



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

DATE: <u>MARCH 2008</u>	<h1>BALL VALVE ASSEMBLY DETAIL</h1>	SCALE: <u>NONE</u>
Signature on File <u>LANDSCAPE MGR.</u>		LANDSCAPE DIVISION CITY OF PALM DESERT

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

DATE: MARCH 2008

END FLUSH VALVE DETAIL

SCALE: NONE

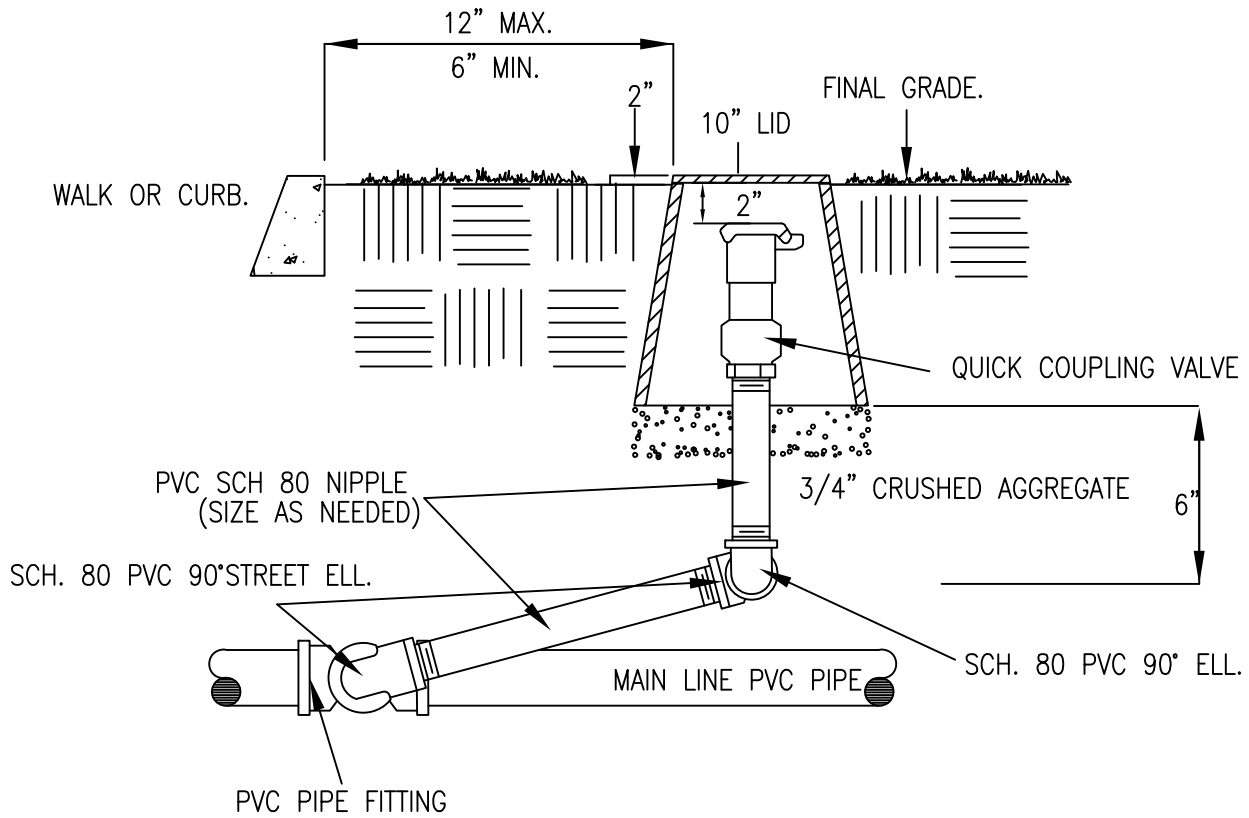
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LANDSCAPE MGR.

LANDSCAPE DIVISION

CITY OF PALM DESERT

STD DRAWING NO.

016



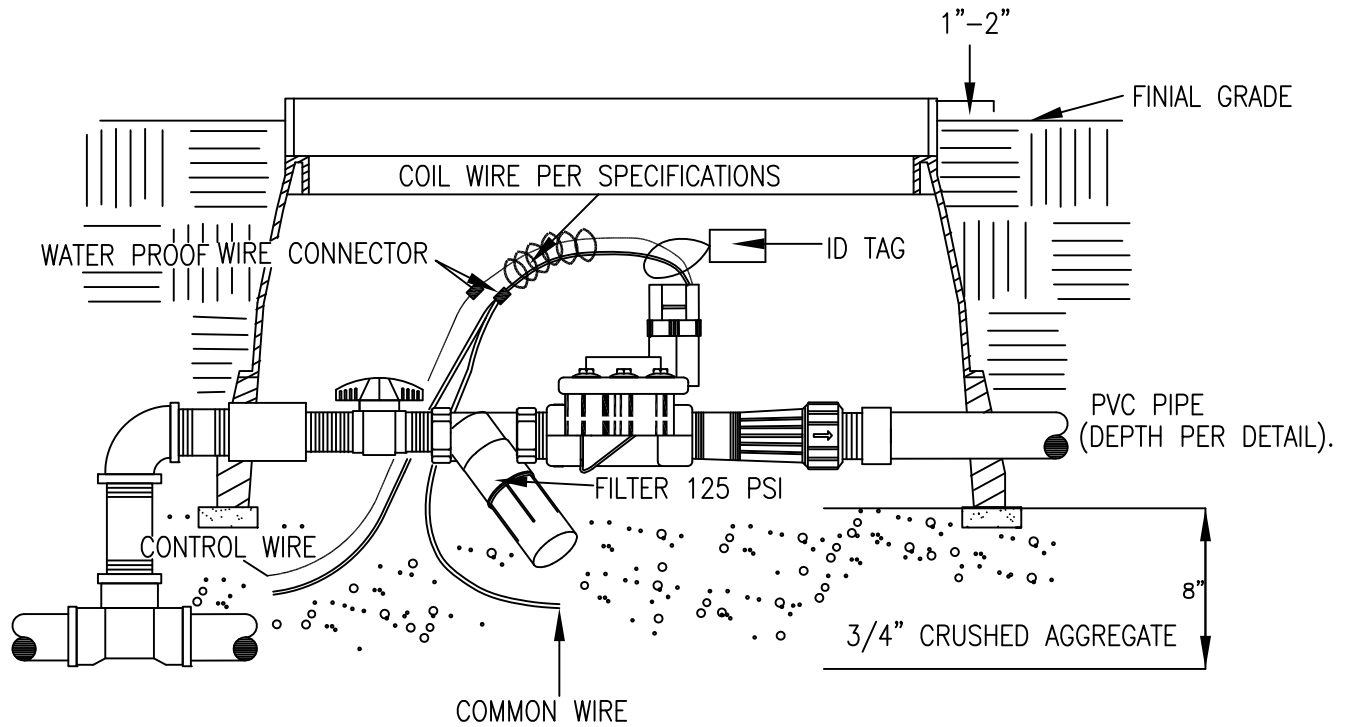
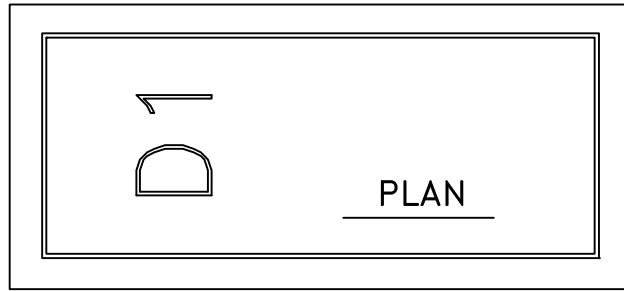
NOTES:

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

DATE: <u>MARCH 2008</u>	<h1>QUICK COUPLING VALVE</h1>	SCALE: <u>NONE</u>
<u>Signature on File</u> LANDSCAPE MGR.		LANDSCAPE DIVISION CITY OF PALM DESERT



SECTION

NOTES:

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

HEAT 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

DATE: MARCH 2008

ELEC. CONTROL VALVE (DRIP)

SCALE: NONE

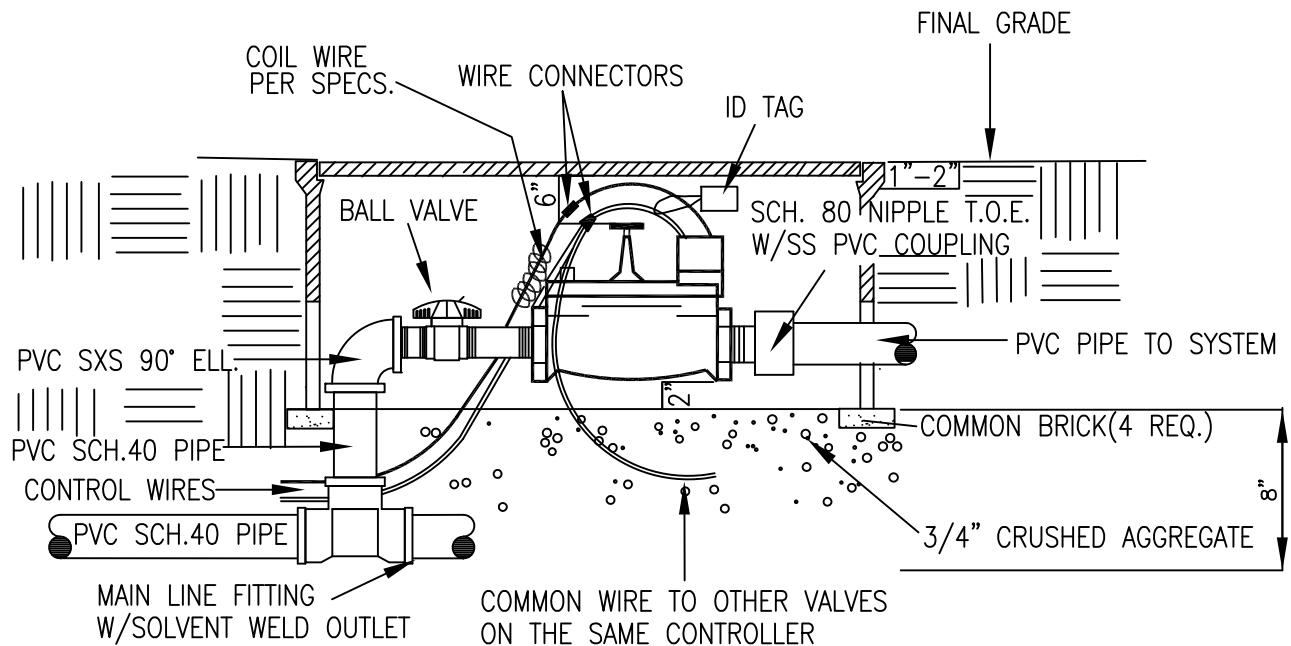
Signature on File
LANDSCAPE MGR.

LANDSCAPE DIVISION

CITY OF PALM DESERT

STD DRAWING NO.

018



NOTES:

RAIN BIRD GB 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

HEAT VALVE STATION
NO. ON LID 2" HIGH CHARACTERS

FLUSH IN TURF AREAS
1"-2" 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 SEPERATE BOX

DATE: MARCH 2008

ELEC. CONTROL VALVE (TURF)

SCALE: NONE

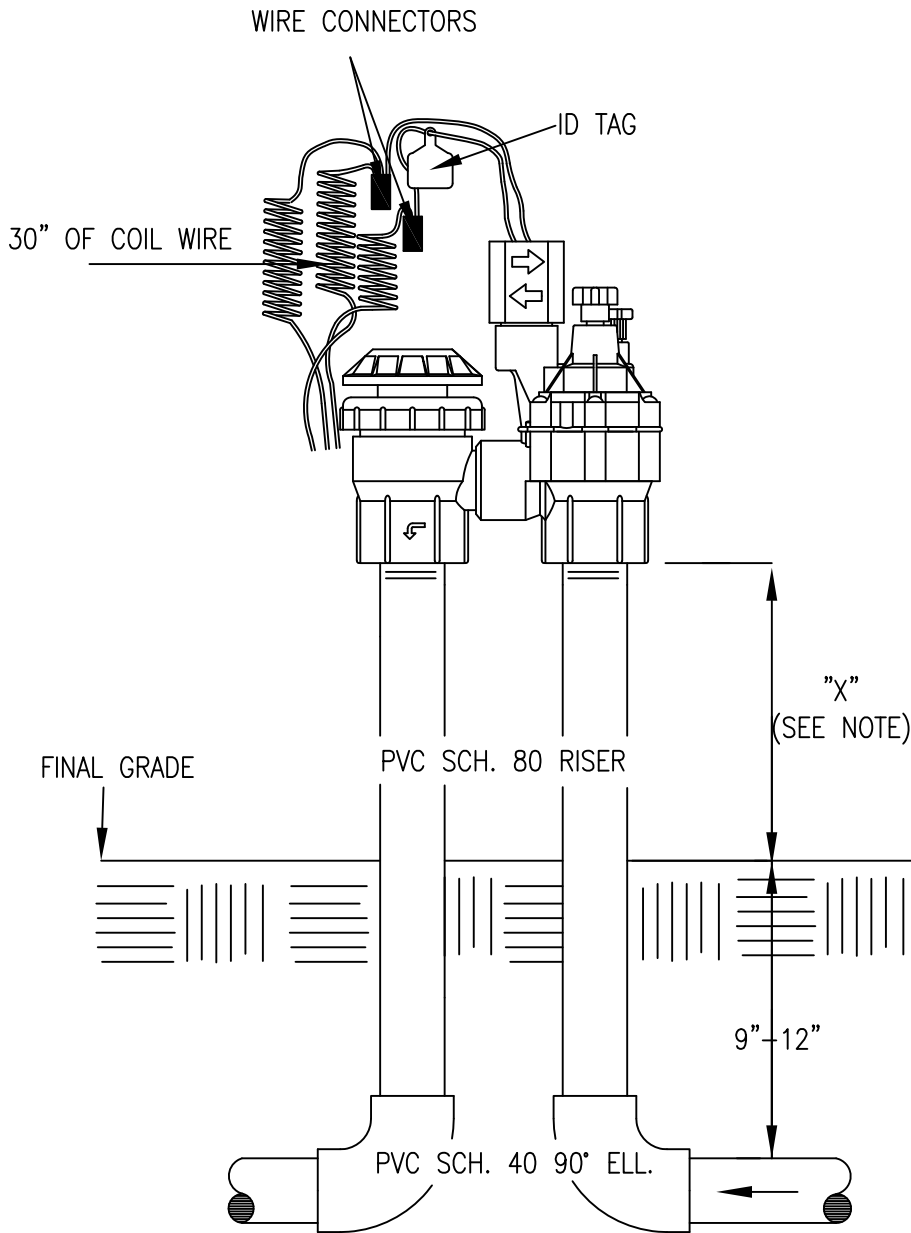
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LANDSCAPE MGR.

LANDSCAPE DIVISION

CITY OF PALM DESERT

STD DRAWING NO.

019



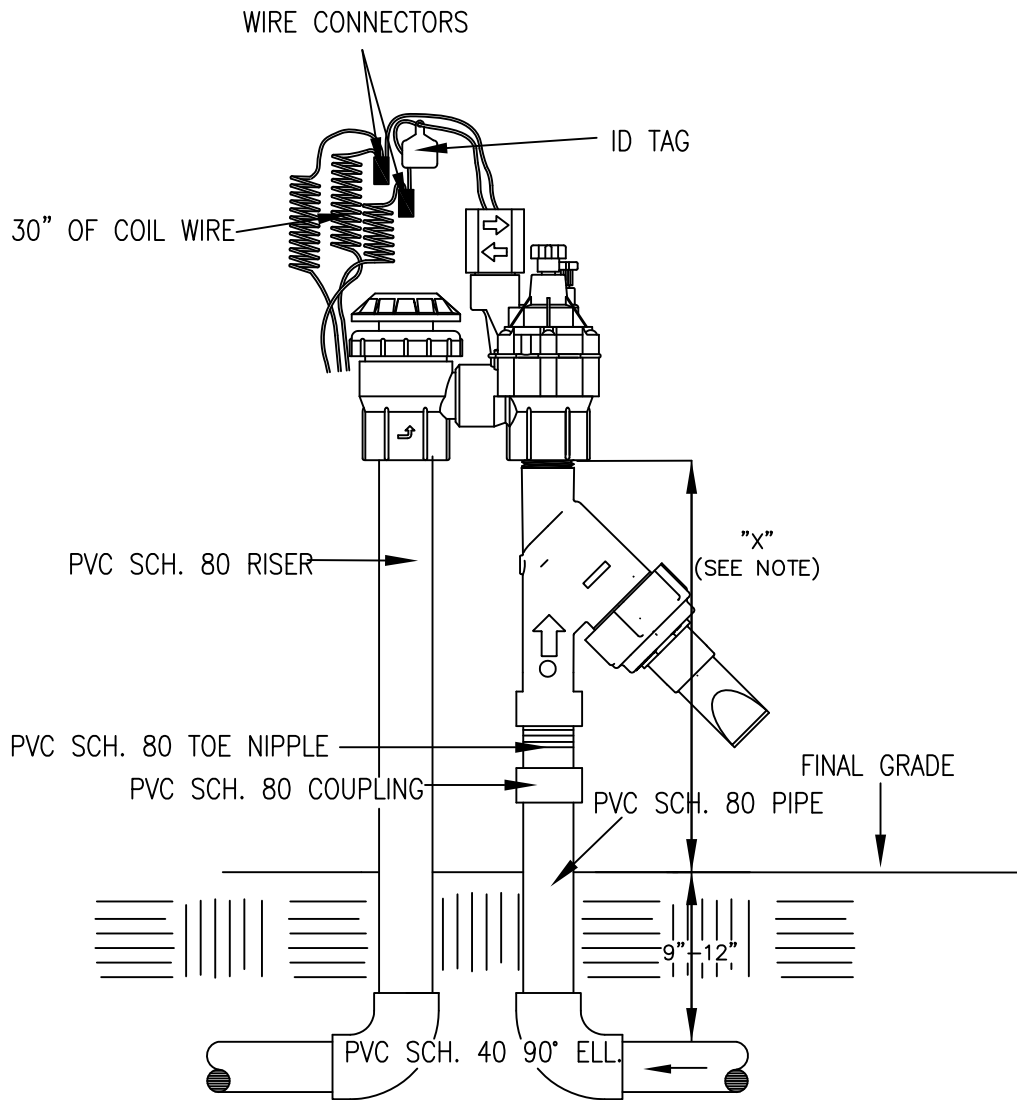
NOTES:

REMOTE CONTROL VALVE

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

DATE: MARCH 2008	TYPICAL ELEC. CONTROL VALVE	SCALE: NONE
Signature on File LANDSCAPE MGR.		LANDSCAPE DIVISION CITY OF PALM DESERT



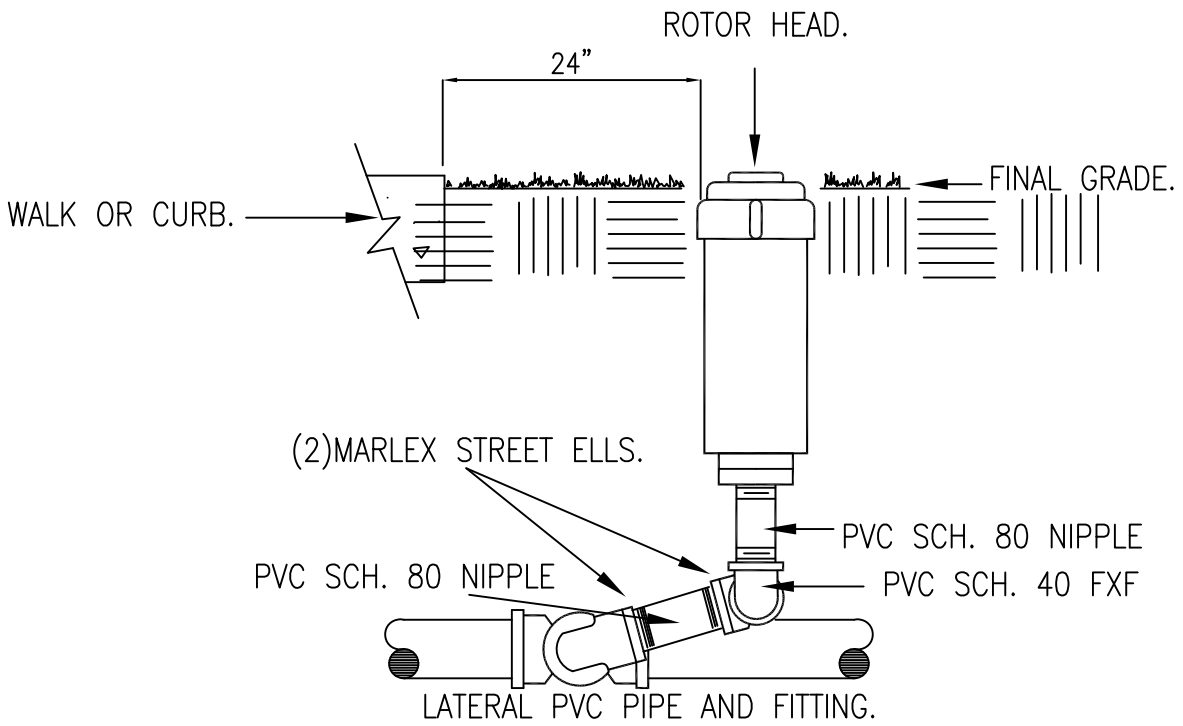
NOTES:

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

DATE: <u>MARCH 2008</u>	TYPICAL XERIGATION CONTROL VALVE	SCALE: <u>NONE</u>
Signature on File <u>LANDSCAPE MGR.</u>		STD DRAWING NO. <u>021</u>
LANDSCAPE DIVISION		CITY OF PALM DESERT



NOTES:

SET ROTOR FLUSH WITH FINAL GRADE

PVC SCH. 80 NIPPLE
CUT TO LENGTH AS NEEDED

USE TEFLON TAPE ON ALL MALE PIPE
THREADS

DATE: MARCH 2008

ROTOR HEAD DETAIL

SCALE: NONE

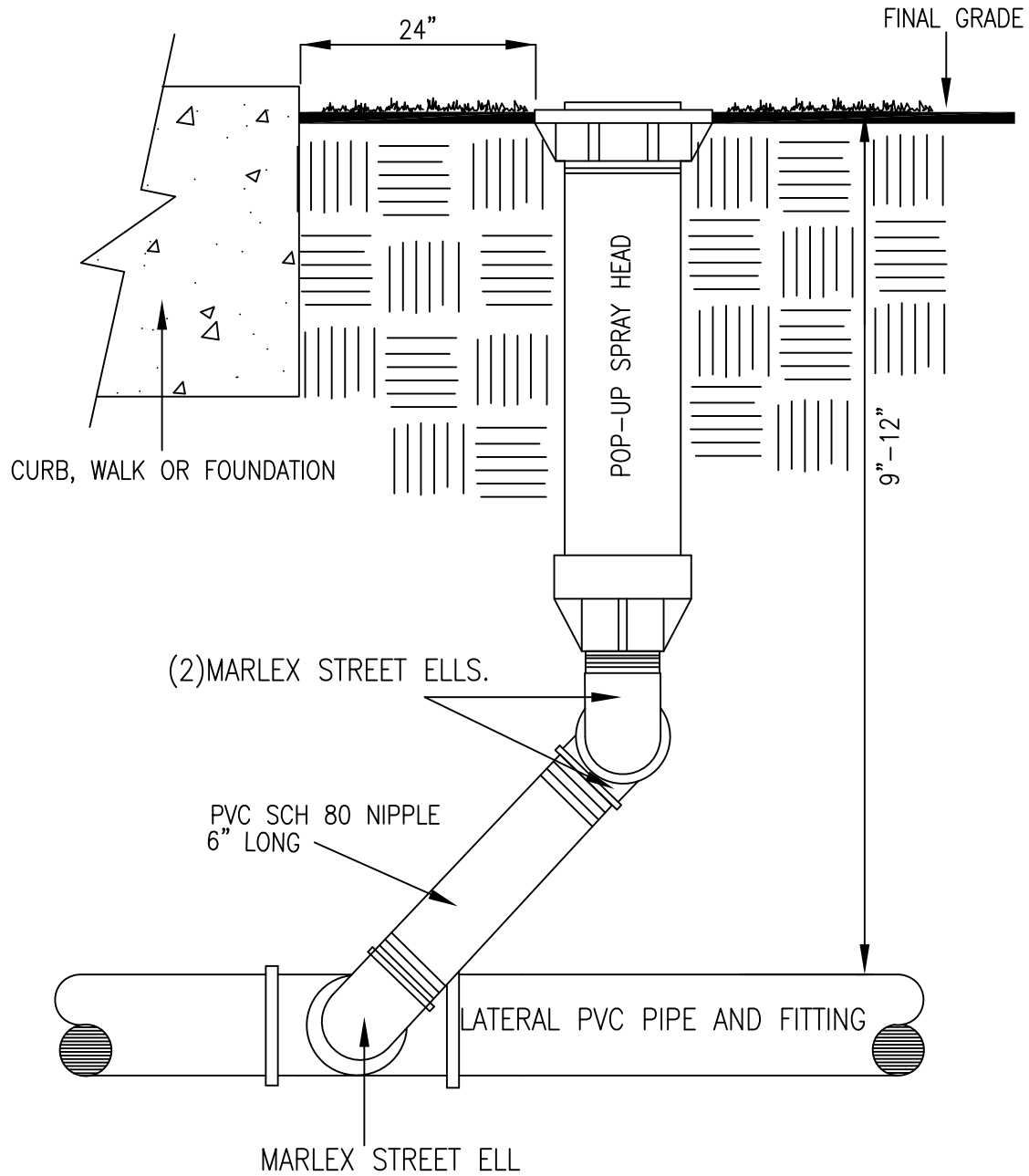
Signature on File
LANDSCAPE MGR.

LANDSCAPE DIVISION

CITY OF PALM DESERT

STD DRAWING NO.

022



NOTES:

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

DATE: MARCH 2008

TURF SPRAY DETAIL

SCALE: NONE

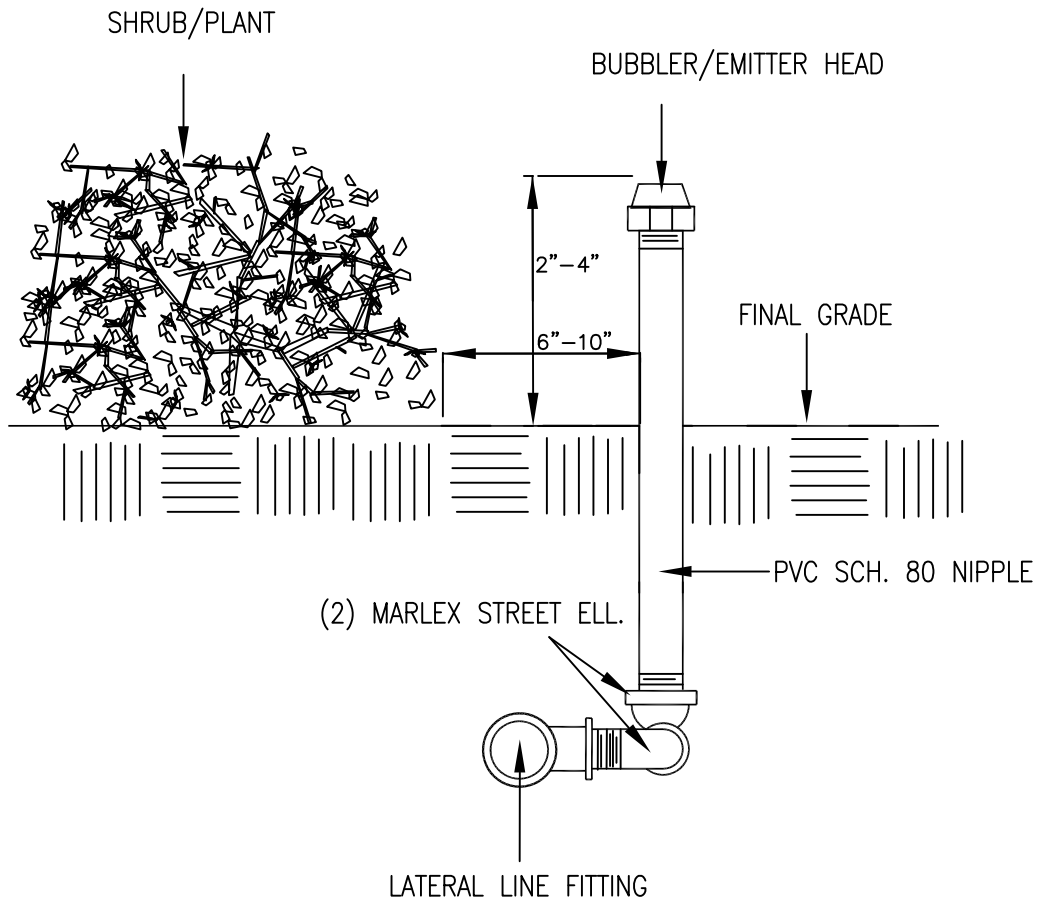
Signature on File
LANDSCAPE MGR.

LANDSCAPE DIVISION

CITY OF PALM DESERT

STD DRAWING NO.

023



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

DATE: MARCH 2008

BUBBLER/EMITTER DETAIL

SCALE: NONE

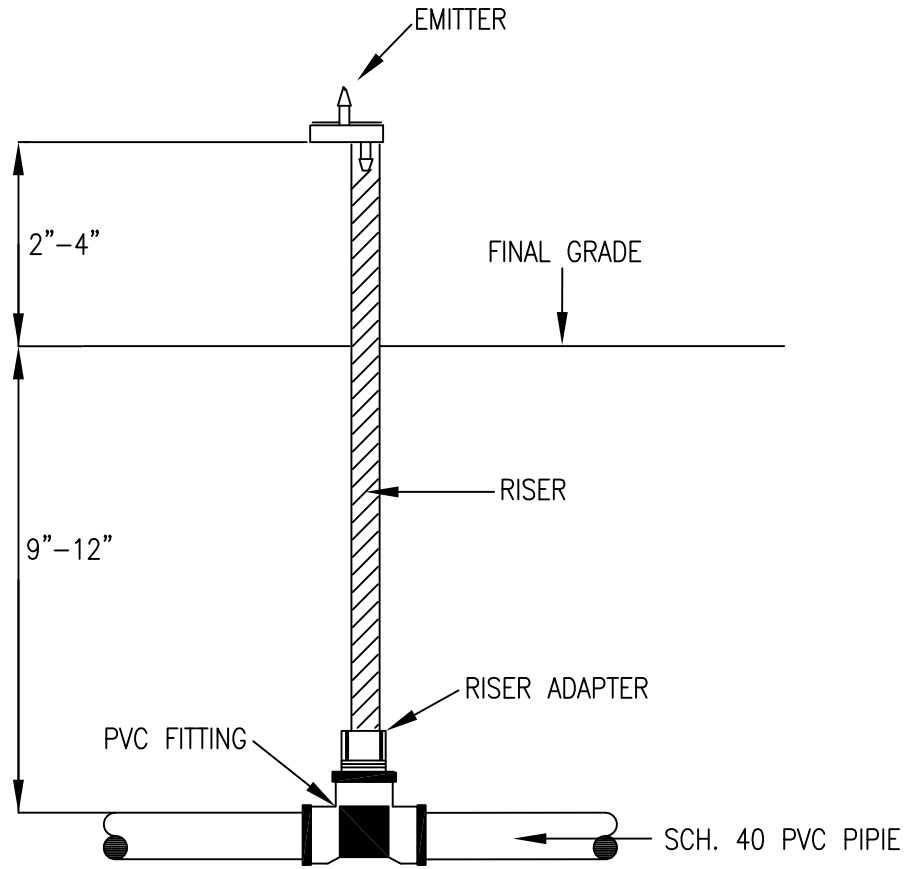
Signature on File
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LANDSCAPE DIVISION

CITY OF PALM DESERT

STD DRAWING NO.

024



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)

DATE: MARCH 2008

DRIP EMITTER DETAIL

SCALE: NONE

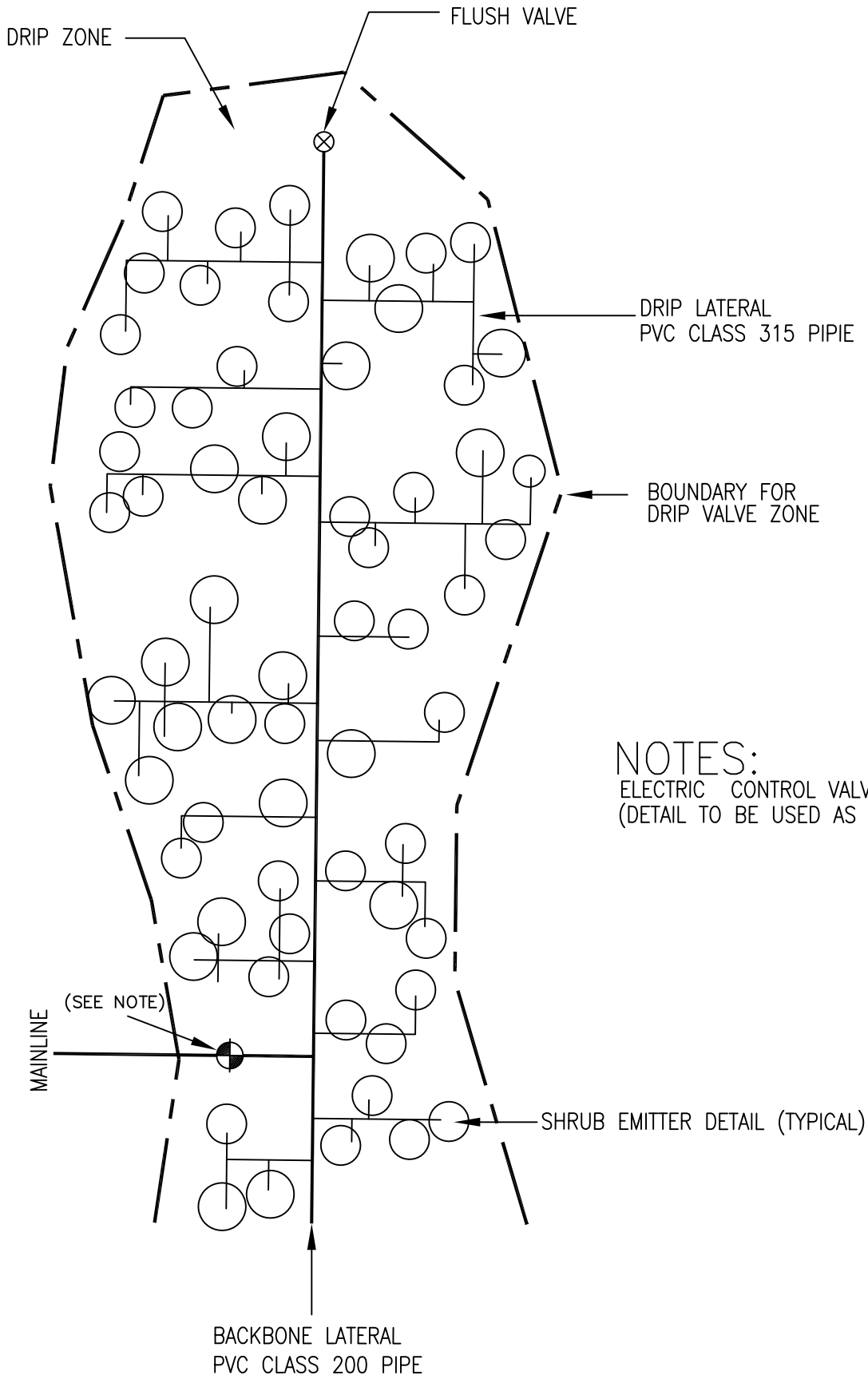
Signature on File
LANDSCAPE MGR.

LANDSCAPE DIVISION

CITY OF PALM DESERT

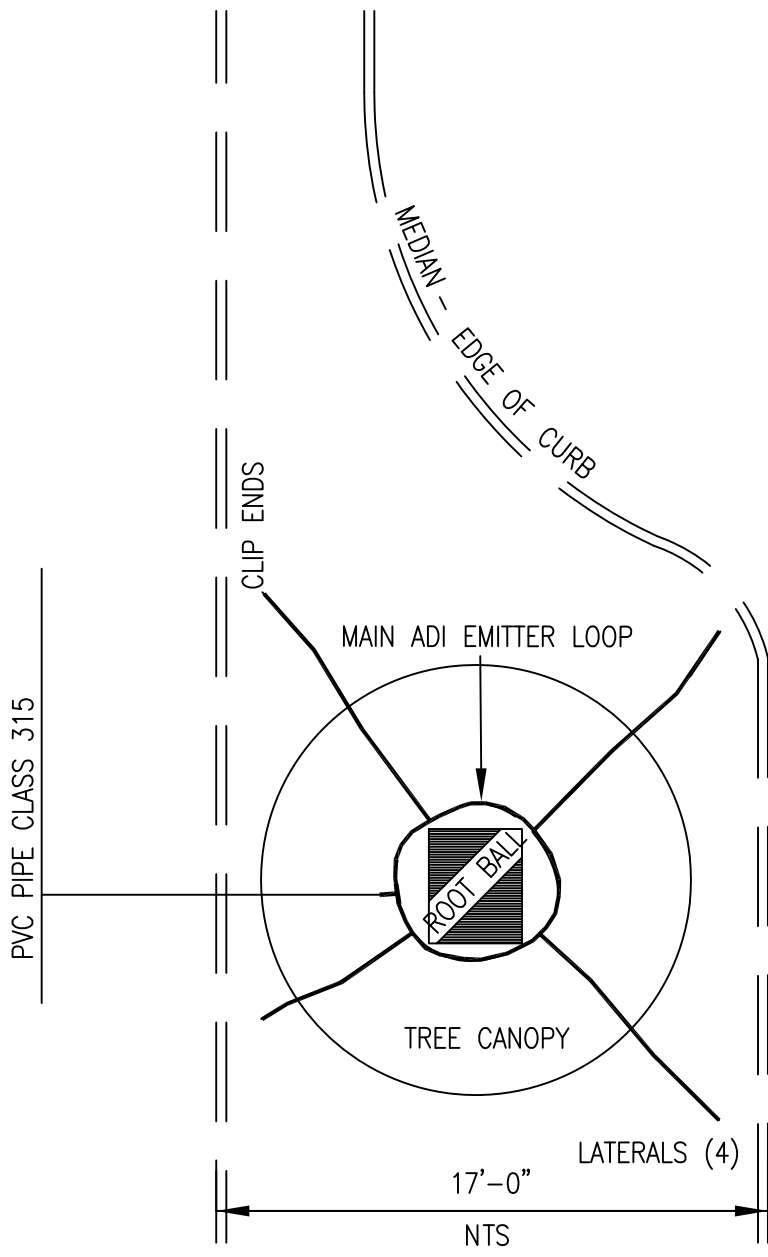
STD DRAWING NO.

025



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

DATE: <u>MARCH 2008</u>	DRIP ZONE DETAIL	SCALE: <u>NONE</u>
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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

DATE: MARCH 2008	TREE EMITTER	SCALE: NONE
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