

Thompson Peak Dog Park Project Narrative

Ordinances, Master Plans, General Plan, and Standards

This project carries out elements of the General Plan by adding a dog park to the existing public park, Thompson Peak Park. Increasing usable open space and adding dog parks are amenities that citizens of Scottsdale have requested. This dog park adds to the open space network by connecting the two parcels of Thompson Peak Park across the existing stormwater channel, which will largely complete the park as master planned in 1999, see attachment. This park adds to the beautification of Scottsdale by working with a local artist to design an artistic panel for the shade structure in the dog cells.

Elements of the park design were influenced by the Design Standards & Policies Manual, such as walkways through the common area and within each dog cell, meeting accessibility requirements and providing drinking fountains with pet fountains in the dog cells. The proposed plants are low-water use. Two of the three cells will be turf, with the center cell being an engineered wood fiber in order to use less water for irrigation. Additionally, the engineered wood fiber dog cell will not require long-term, multi-week closure, as turf dog cells require for turf re-establishment.

The project was a recommendation in the 2015 Community Services Master Plan (referred to as Thompson Peak Phase II Development). The document is linked on the City's website: [community-services-master-plan.pdf](https://www.scottsdaleaz.gov/community-services-master-plan.pdf) ([scottsdaleaz.gov](https://www.scottsdaleaz.gov))



Architectural Character, Landscaping, and Site Design

One restroom building is being proposed. It will be located near the existing basketball and pickle ball courts in the original park area. The restroom building is a one-story prefabricated building that will blend with the existing site's architectural materials and colors. The appearance of the structure is similar to recent restroom additions to other City of Scottsdale parks.

The three dog cells will be enclosed by 6-foot-high black electrostatically painted galvanized chain-link fencing. Separate entry and exit vestibules will be provided off the central concrete walkway spine for each end of the dog park for the convenience of park users arriving from parking off Hayden Road or in exiting the park and crossing the pedestrian bridge. The vestibule entry gates will be electronically locked by a time controller during park closure hours. The vestibule exit gates will be usable by means of panic bar exit type locks.

A total of seven shade structures will be provided inside the three dog cells, which will provide relief from the sun to park users. As part of the Scottsdale Public Art program, artistic cut metal panels will be added to two of the shade structures. Nearly the full width of the dog park site is encumbered with overhead high-voltage electrical distribution easements (WAPA, APS, and SRP). As no permanent structures are permitted within any of the electrical transmission easements, the shade structures are located along the southwest edge of the three dog cells and just outside of the easements.

Most of the site is large open space that is relatively flat, so views to the McDowell Mountains will not be obscured. It is important to note that depending on the utility company, trees taller than 12-feet to 15-feet are not allowed in the transmission easements. Accordingly, the plant palette for the project only includes trees that will be small in height and are approved by the utility companies. A plant inventory was developed for the site, which identified several salvageable trees. However, as the trees are not on the utility company approved plant lists, none of the salvageable trees can be reinstalled on the project site. However, the salvageable trees are being removed and reinstalled at other City of Scottsdale park project sites. Existing native trees that are not within the limit of work will be protected in place at this time. However, the utility companies may at any time remove or trim trees in excess of the allowed maximum heights.

The proposed lighting fixtures are LED and have shields to minimize excessive overflow. The light fixtures within the transmission easements are also limited in height, same as the tree restrictions. In order to minimize the number of pole-mounted light fixtures, the southwest portions of the three dog cells will be additionally lighted by six 40-foot high-mast sports field type light fixtures.

Ingress, Egress, On-site Circulation, Parking, and Pedestrians

As the dog park is located off Hayden Road, the proposed vehicular entrance is aligned with the Hayden Peak Crossing commercial development's center driveway, which also provides an existing left-turn lane off Hayden Road into this project's driveway. The proposed design will add a decel right turn lane for safe access into the proposed driveway. A proposed parking lot provides 100 parking spaces (four as

accessible). A pedestrian sidewalk will be added from the Hayden Road/Thompson Peak Parkway intersection to the driveway, through the parking lot, and to the dog cells.

The interior of the dog park is entirely pedestrian oriented and accessible. Each dog cell has a northeast side and southwest side entrance/exit vestibules. A prefabricated 10-foot-wide steel-span bridge will cross the existing drainage channel to connect the existing park with the new dog park. The bridge will also be used by park maintenance staff to access the dog cells from the existing maintenance compound for routine maintenance and mowing in order to avoid trailering equipment via arterial streets.

Mechanical and Utility Equipment

This project has minimal mechanical and utility equipment. An electrical transformer will likely be located in a landscape area near or within the parking lot and adjacent to the standard free-standing service entrance section required for the site lighting.

Location of Artwork

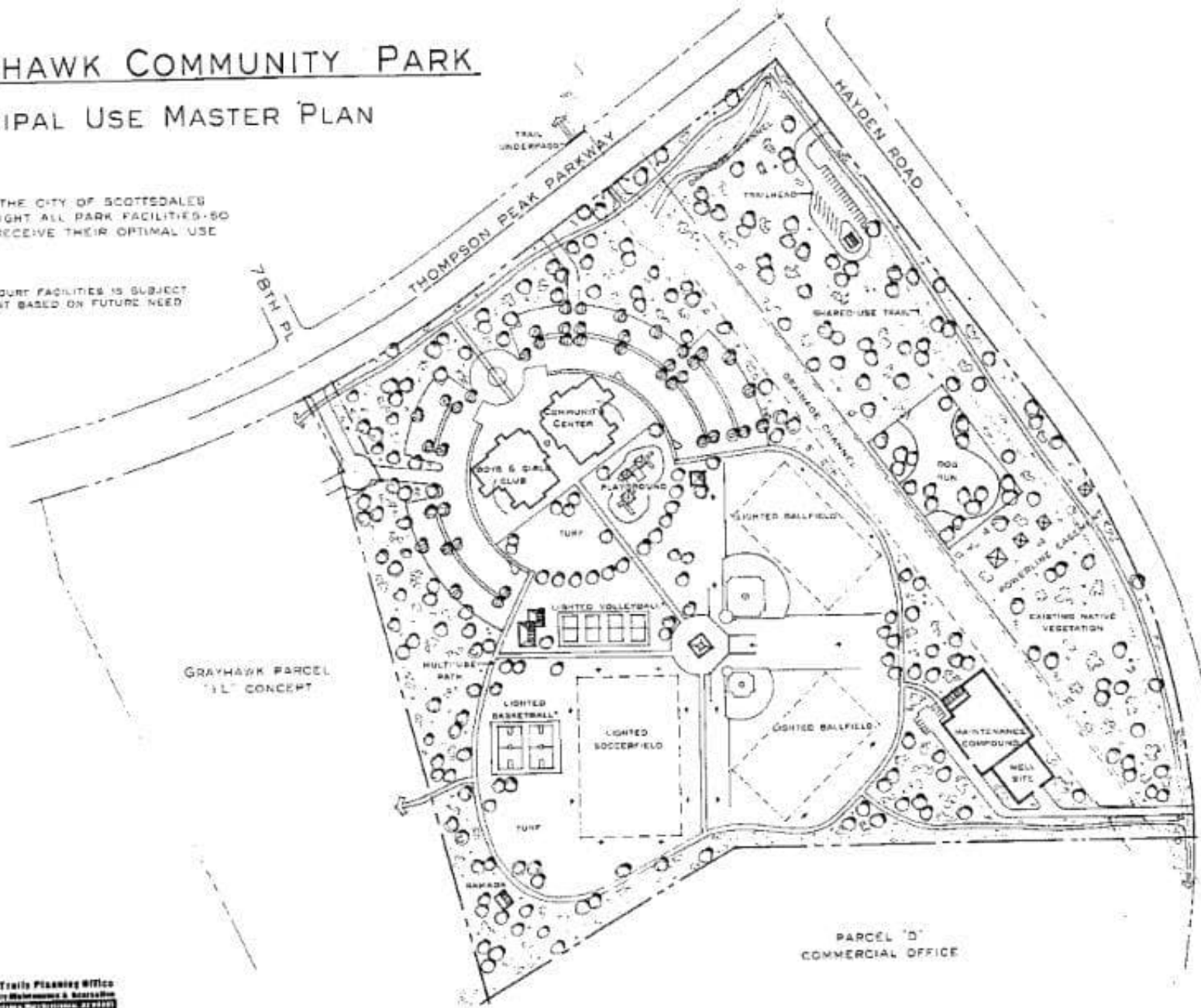
Based on a public competition, an artist was selected for participation in this project. Shachi Kale's concept includes perforated metal artwork, which will be affixed to the columns of two shade structures in the non-turf dog cell. Park users will be able to experience the artwork as they sit and relax under the shade structures. The metal panel will be raised off the ground, a safety measure which does not allow people to hide behind it.

GRAYHAWK COMMUNITY PARK

MUNICIPAL USE MASTER PLAN

NOTE: IT IS THE CITY OF SCOTTSDALE'S
POLICY TO LIGHT ALL PARK FACILITIES SO
THAT THEY RECEIVE THEIR OPTIMAL USE

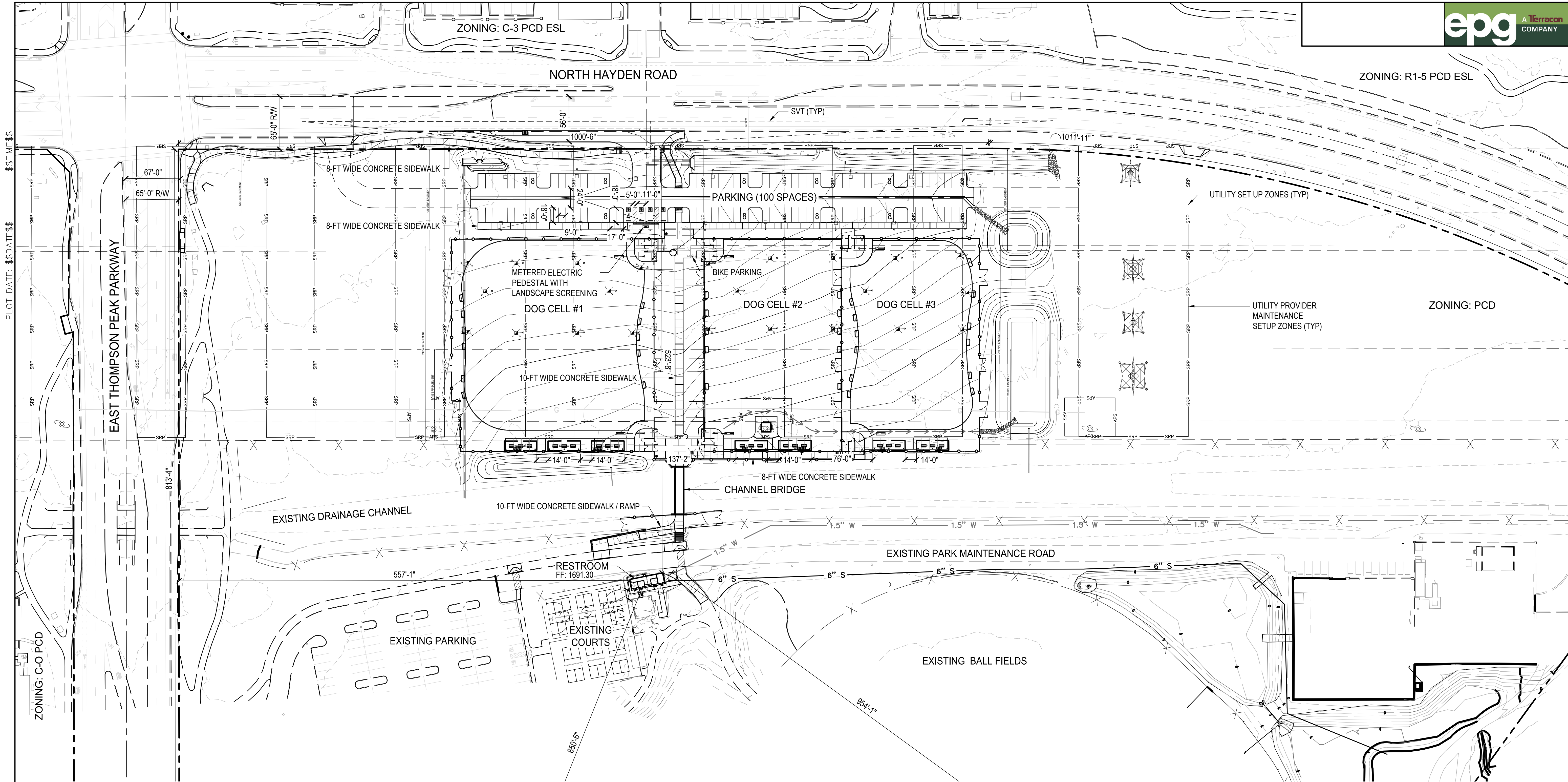
* NUMBER OF COURT FACILITIES IS SUBJECT
TO ADJUSTMENT BASED ON FUTURE NEED



Parks/Trails Planning Office
Community Maintenance & Recreation
15555 Scottsdale Mall, Suite 100
Scottsdale, AZ 85254
Phone: 480.342.2222

NORTH
0' 50' 100' 150'
JUNE 17, 1998
REVISED: 10/2/98
REVISED: 2/10/99
REVISED: 7/29/99
REVISION: 1, 5/99

5-NO-99



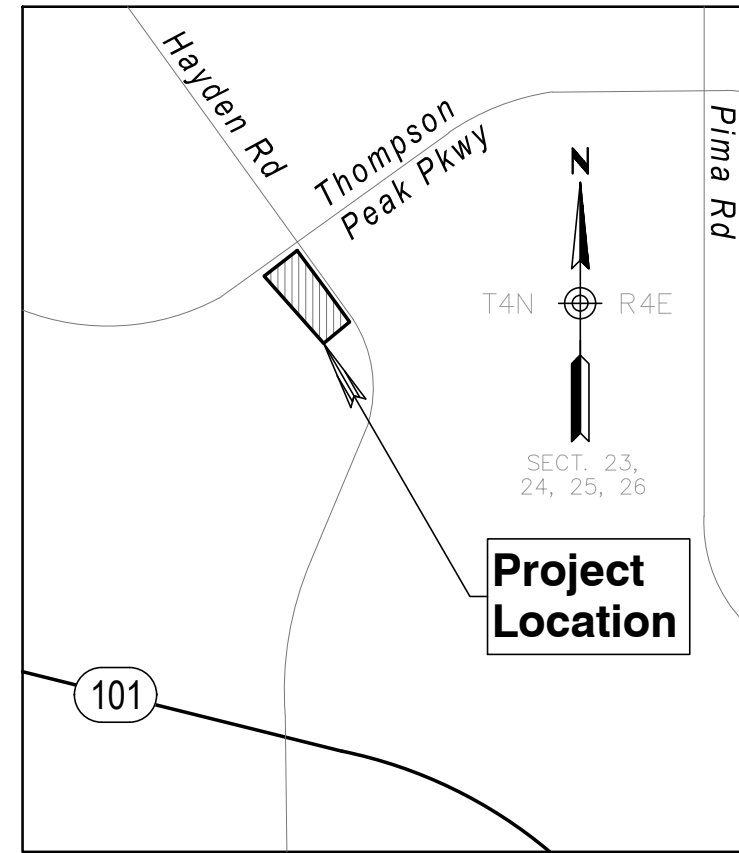
PLOT DATE: \$\$\$DATE\$\$\$
\$\$\$TIME\$\$\$

DESIGN FILE: \$\$\$DGN\$\$\$

THOMPSON PEAK DOG PARK
20199 N 78th PL, SCOTTSDALE, AZ 85255

PARCEL ZONING: OS PCD
GROSS LOT AREA: 2,568,161 SF
NET LOT AREA: 2,349,875 SF
GROSS FLOOR AREA: 496 SF
BIKE PARKING: 12 PROVIDED;
(100 [PARKING SPACES] / 10 = 10 REQUIRED)
OPEN SPACE: 406,941 SF PROVIDED;
(843,519 SF / 25% = 210,880 SF REQUIRED)
PARKING: 100 SPACES PROVIDED;
(11.5 [ACRE] * 3 = 34.5 REQUIRED)
ACCESSIBLE PARKING: 4 PROVIDED;
(100 [SPACES] * 4% = 4 REQUIRED)

TOP-OF-CURB ELEVATIONS: SEE CIVIL PLANS
AND / OR SITE CROSS SECTIONS



EXISTING DRAINAGE CHANNEL

EXISTING PARKING

RESTROOM
FF: 1691.30

EXISTING COURTS

EXISTING PARK MAINTENANCE ROAD

EXISTING BALL FIELDS

ZONING: C-3 PCD ESL

NORTH HAYDEN ROAD

ZONING: R1-5 PCD ESL

ZONING: PCD

PARKING (100 SPACES)

DOG CELL #1

DOG CELL #2

DOG CELL #3

10-FT WIDE CONCRETE SIDEWALK

8-FT WIDE CONCRETE SIDEWALK

8-FT WIDE CONCRETE SIDEWALK

8-FT WIDE CONCRETE SIDEWALK

CHANNEL BRIDGE

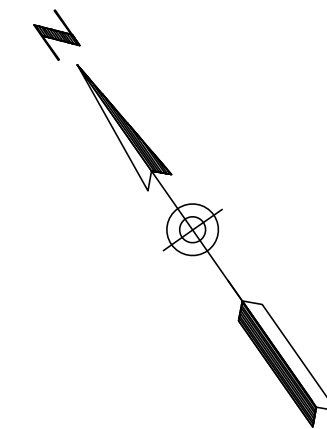
10-FT WIDE CONCRETE SIDEWALK / RAMP

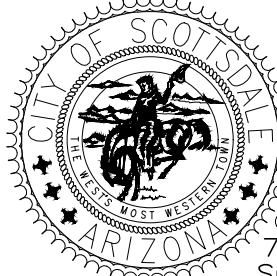
EXISTING PARK MAINTENANCE ROAD

EXISTING BALL FIELDS

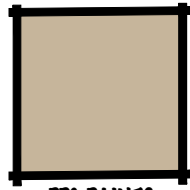
UTILITY SET UP ZONES (TYP)

UTILITY PROVIDER
MAINTENANCE
SETUP ZONES (TYP)

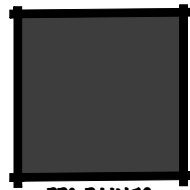


DATE		REVISION		BY	
ENGINEER		<div><div>PUBLIC WORKS CAPITAL PROJECT MANAGEMENT 7447 E. INDIAN SCHOOL RD. SCOTTSDALE, ARIZONA 85251</div></div>			
PRELIMINARY NOT FOR CONSTRUCTION					
SHEET TITLE					
SITE PLAN					
PROJECT TITLE					
ADD A DOG PARK TO THOMPSON PEAK PARK					
SCALE		DESIGNED MP		DATE	
HORIZ. 1"=50' 0"		DRAWN MP		2/16/24	
VERT.		AS-BUILT		BID NO.	
				PROJECT NO. 22SQ006	
				SHT. H1.0	
				27 OF 72	

Material Legend



PPG PAINTS
PP61085-4
COLOR * BEST BEIGE



PPG PAINTS
PP60995-7
COLOR * STARLESS SKY

H.M. DOOR & FRAME
COLOR: PPG
STARLESS SKY
OR EQUAL, SEE
MATERIAL LEGEND

C.M.U. PRECISION
W/ SINGLE SCORE
TYP. COLOR: PPG
BEST BEIGE
OR EQUAL-SEE
MATERIAL
LEGEND

7'-4"
T.O. WALL

0'-0"
F.F.

24 GA. CORRUGATED
METAL ROOF PANELS
COLOR: TO MATCH PPG
STARLESS SKY OR
EQUAL, SEE MATERIAL
LEGEND

24 GA. MTL. FLASHING
COLOR: PPG
STARLESS SKY
OR EQUAL, SEE
MATERIAL LEGEND

HSS FASCIA,
SCREEN,
CAP AND
TRUSS
MEMBERS
COLOR: PPG
STARLESS SKY
OR EQUAL, SEE
MATERIAL LEGEND



City of Scottsdale THOMPSON/CHAPARRAL PARKS RESTROOM - PAINT TYPICAL FRONT ELEVATION

SCALE: N.T.S.

SHEET

3A

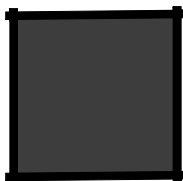
9-DR-2024

5/15/2024

Material Legend



BASALITE CONCRETE PRODUCTS
NEVADA PRECISION CMU
BASE 102 PRECISION,
LIGHT WEIGHT



PPG PAINTS
PPG0995-7
COLOR # STARLESS SKY

H.M. DOOR & FRAME
COLOR: PPG
STARLESS SKY
OR EQUAL, SEE
MATERIAL LEGEND

C.M.U. PRECISION
W/ SINGLE SCORE
TYP. COLOR:
BASALITE CONCRETE
PRODUCTS, BASE
102 PRECISION
-SEE MATERIAL
LEGEND

7'-4"
T.O. C.M.U.

0'-0"
F.F.

24 GA. CORRUGATED
METAL ROOF PANELS
COLOR: TO MATCH PPG
STARLESS SKY OR
EQUAL, SEE MATERIAL
LEGEND

24 GA. MTL. FLASHING
COLOR: PPG
STARLESS SKY
OR EQUAL, SEE
MATERIAL LEGEND

HSS FASCIA,
SCREEN,
CAP AND
TRUSS
MEMBERS
COLOR: PPG
STARLESS SKY
OR EQUAL, SEE
MATERIAL LEGEND



City of Scottsdale

THOMPSON/CHAPARRAL PARKS RESTROOM
- INTEGRAL COLOR C.M.U.
TYPICAL FRONT ELEVATION

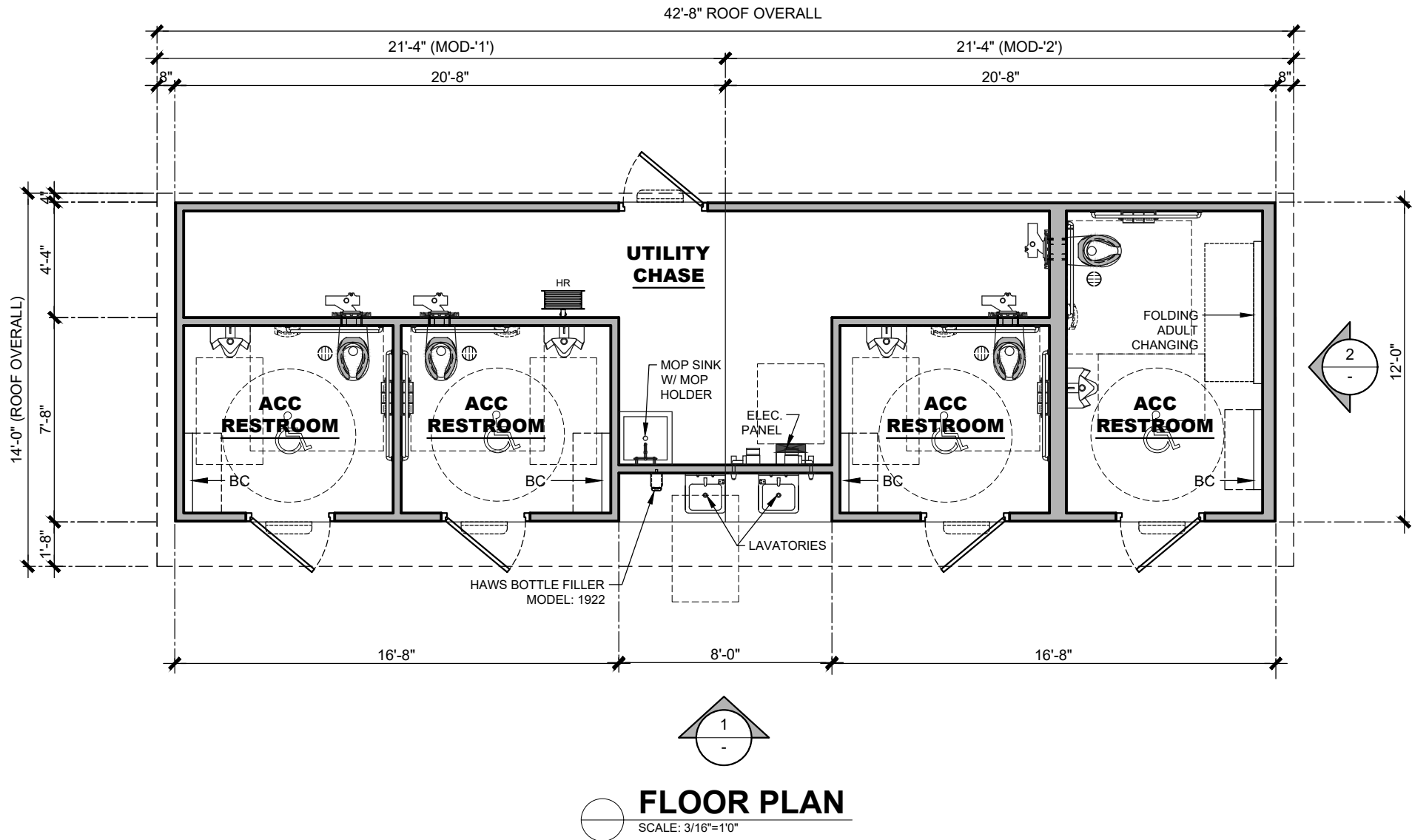
SCALE: N.T.S.

SHEET

3B

9-DR-2024

5/15/2024



COPYRIGHT 2023, PUBLIC RESTROOM COMPANY. THIS MATERIAL IS THE EXCLUSIVE PROPERTY OF PUBLIC RESTROOM COMPANY AND SHALL NOT BE REPRODUCED, USED, OR DISCLOSED TO OTHERS EXCEPT AS AUTHORIZED BY THE WRITTEN PERMISSION OF PUBLIC RESTROOM COMPANY.

BUILDING TYPE:

RESTROOM BUILDING

PROJECT:

THOMPSON PEAK DOG PARK
SCOTTSDALE, AZ

REVISION #

-

REVISION DATE:

DRAWN BY:

PROJECT #:

11355

START DATE

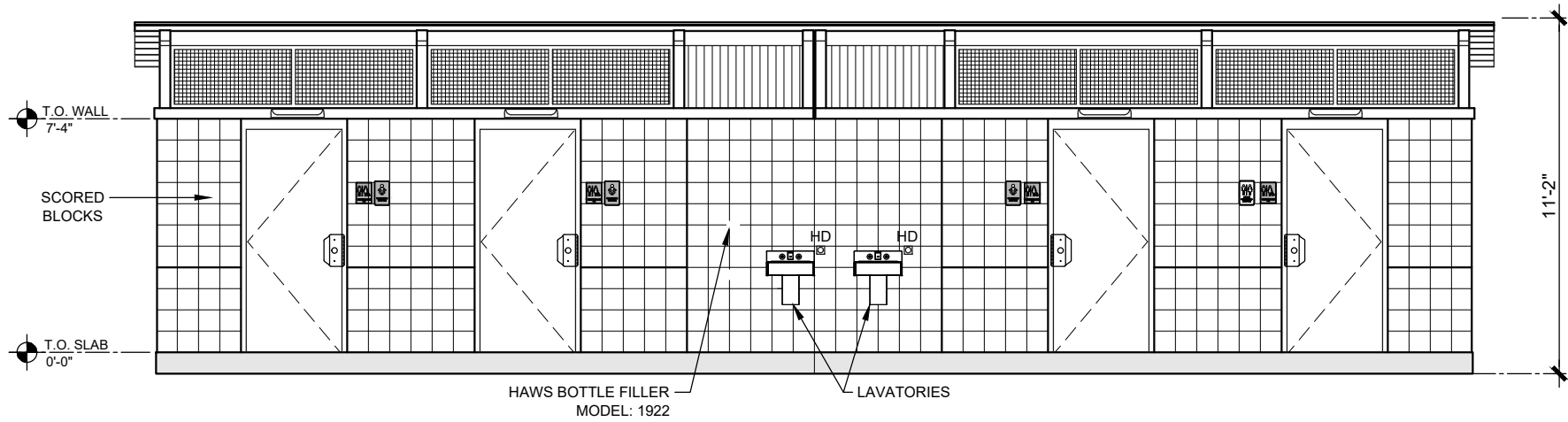
DRAWN BY: EOR

SHEET#

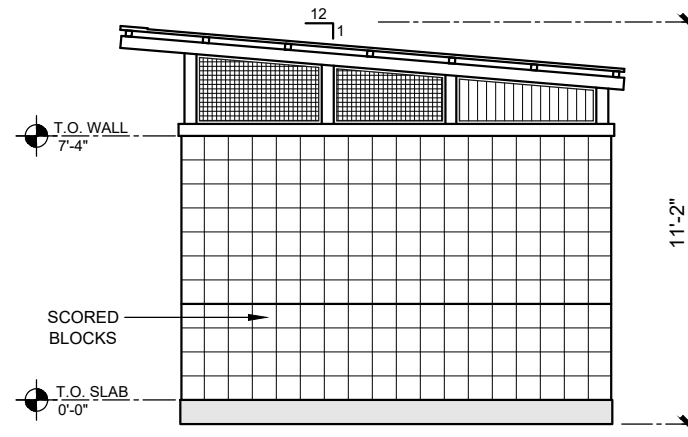
A-1

MAX. PERSON / HOUR:

180 M

**ELEVATION 1**

SCALE: 3/16"=1'0"

**ELEVATION 2**

SCALE: 3/16"=1'0"



COPYRIGHT 2023, PUBLIC RESTROOM COMPANY. THIS MATERIAL IS THE EXCLUSIVE PROPERTY OF PUBLIC RESTROOM COMPANY AND SHALL NOT BE REPRODUCED, USED, OR DISCLOSED TO OTHERS EXCEPT AS AUTHORIZED BY THE WRITTEN PERMISSION OF PUBLIC RESTROOM COMPANY.

BUILDING TYPE:

RESTROOM BUILDING

PROJECT:

**THOMPSON PEAK DOG PARK
SCOTTSDALE, AZ**

REVISION #

-

REVISION DATE:

DRAWN BY:

PROJECT #:

11355

START DATE:

DRAWN BY: EOR

SHEET#

A-2

MAX. PERSON / HOUR:

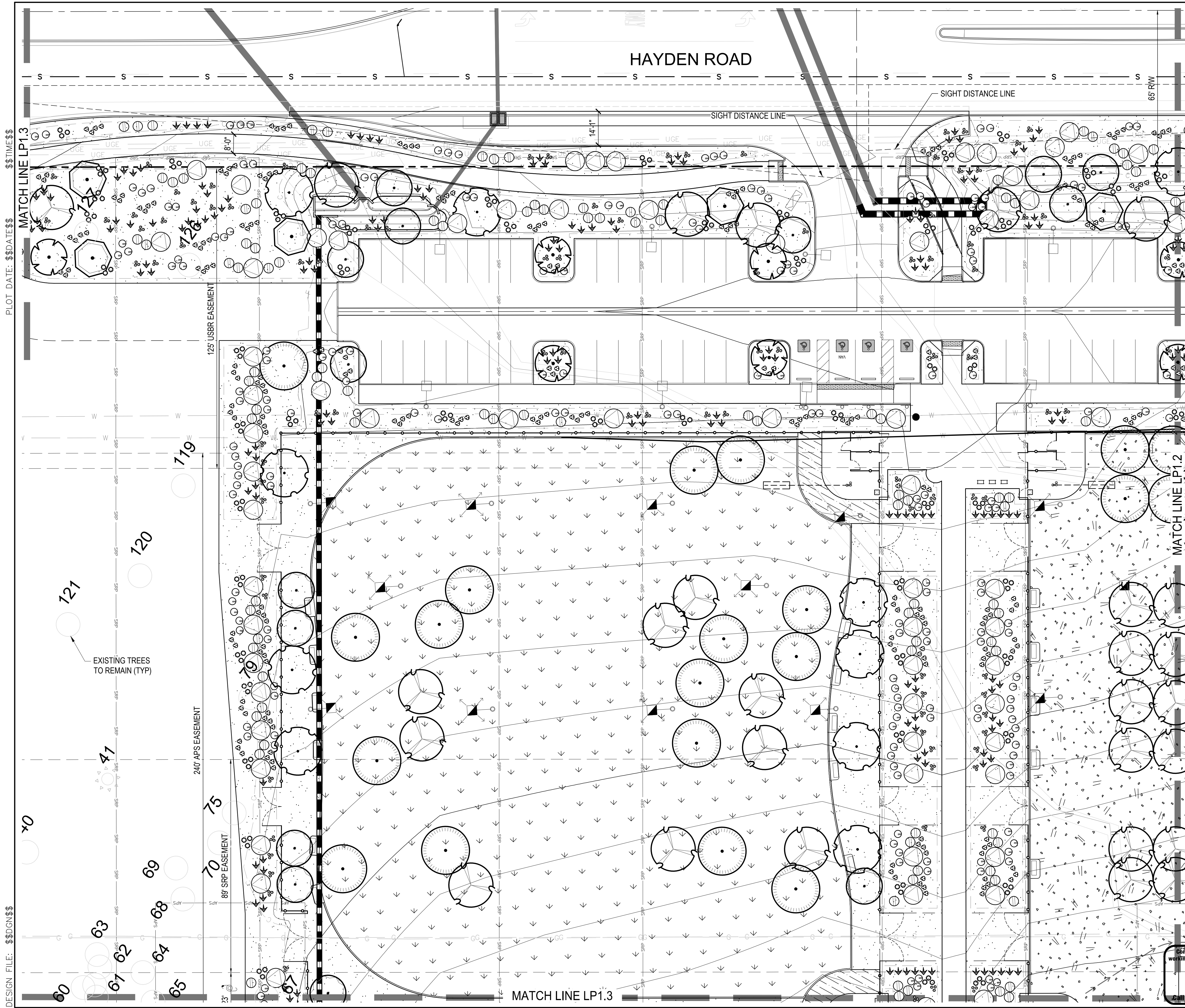
180 M



Perspective from Parking Lot Looking Southeast



Perspective from Pedestrian Bridge Looking Northwest



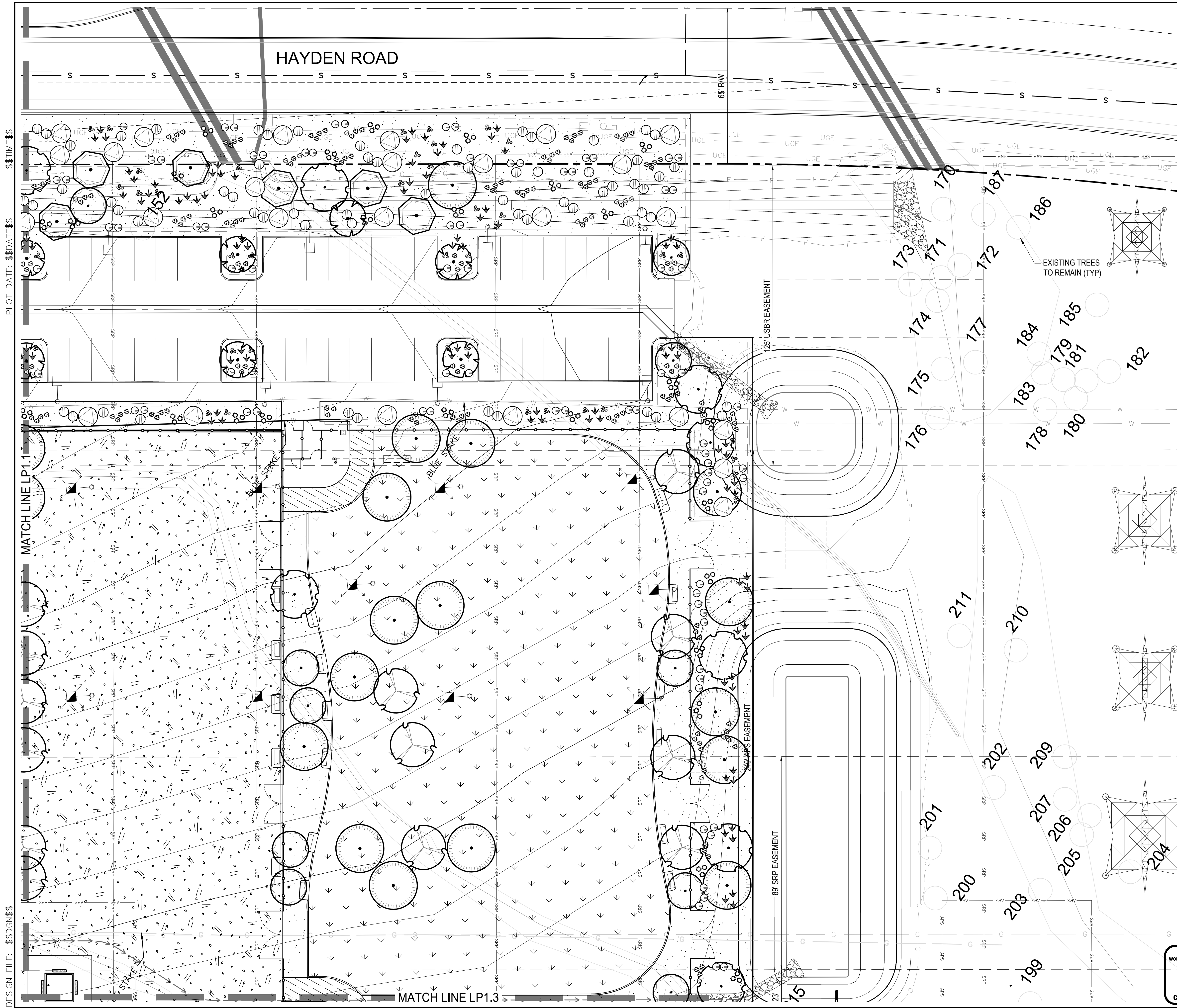
PLANT LEGEND				
TREES	BOTANICAL NAME	COMMON NAME	SIZE	QTY
	ACACIA ANEURA	MULGA	36" BOX (1.5-2.0" CAL.)	18
	ACACIA CRASPEDOCARPA	LEATHER-LEAF ACACIA	24" BOX (.75-1.25" CAL.)	13
	CAESALPINIA CACALACO	CASCALOTE	24" BOX (1-1.5" CAL.)	27
	CORDIA BOISSIERI	ANACAHUITA	36" BOX (5-6" CAL.)	12
	PISTACIA LENTISCUS	MASTIC TREE	36" BOX (1.75-2.25" CAL.)	41
	VITEX NEGUNDO 'HETEROPHYLLA'	CUT-LEAF CHASTE TREE	24" BOX (3-4" CAL.)	35

SHRUBS	BOTANICAL NAME	COMMON NAME	SIZE	QTY
	AMBROSIA DEL TOIDEA	TRIANGLE LEAF BURSAGE	1 GAL.	491
	BAILEYA MULTIRADIATA	DESERT MARIGOLD	1 GAL.	492
	ENCELIA FARINOSA	BRITTLEBUSH	1 GAL.	211
	EREMOPHILA PROSTRATA 'OUTBACK SUNRISE'	EMU BUSH	5 GAL.	104
	GLANDULARIA GOODINGII	GOODDING'S VERBENA	1 GAL.	297
	MUHLENBERGIA RIGIDA 'NASHVILLE'	NASHVILLE PURPLE MUHLY	5 GAL.	284
	PENSTEMON PARRYI	PARRY'S BEARDTONGUE	1 GAL.	274

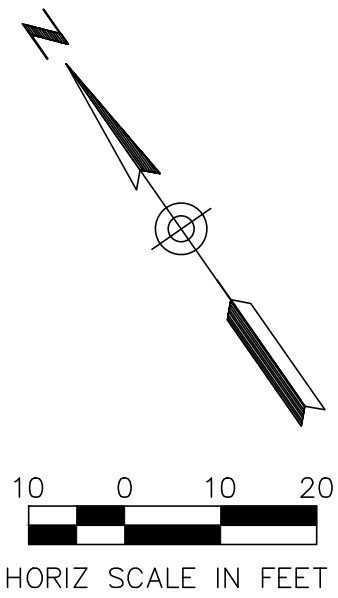
GROUND COVER LEGEND		
SYM	INERT MATERIAL	QTY
	1/2" SCREENED DG, 2" DEPTH, COLOR DESERT GOLD	102,907 SF
	1/4" MINUS DG, 2" DEPTH, COLOR DESERT GOLD	1,866 SF
	WOOD MULCH, 4" DEPTH, PER DTL 1/HD2.1	40,363 SF
LIVE MATERIAL		
	TURF GRASS, E-Z TURF MIDIRON	81,093 SF

DATE	REVISION	BY
ENGINEER	PUBLIC WORKS	
PRELIMINARY NOT FOR CONSTRUCTION	CAPITAL PROJECT MANAGEMENT	
7447 E. INDIAN SCHOOL RD. SCOTTSDALE, ARIZONA 85251		
SHEET TITLE LANDSCAPE PLAN		
PROJECT TITLE ADD A DOG PARK TO THOMPSON PEAK PARK		
SCALE HORIZ. 1" = 20'	DESIGNED MP	DATE 2/16/24
VERT.	DRAWN MP	AS-BUILT
BID NO. 22SQ006		SHT. LP1.1
40 OF 72		





DESIGN FILE: \$\$\$DGN\$\$\$
PLOT DATE: \$\$\$DATE\$\$\$



PLANT LEGEND

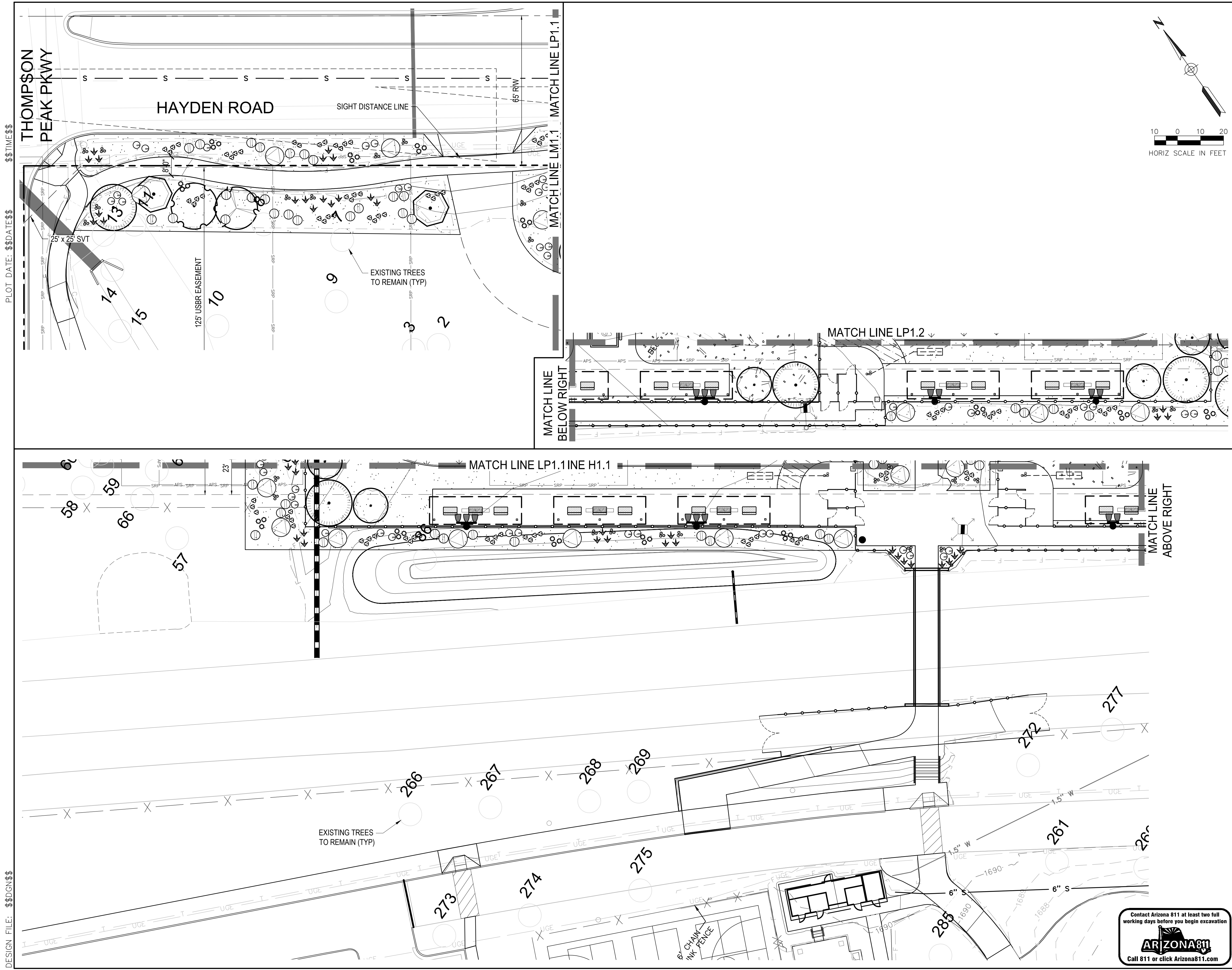
TREES	BOTANICAL NAME	COMMON NAME	SIZE	QTY
	ACACIA ANEURA	MULGA	36" BOX (1.5-2.0" CAL.)	18
	ACACIA CRASPEDOCARPA	LEATHER-LEAF ACACIA	24" BOX (.75-1.25" CAL.)	13
	CAESALPINIA CACALACO	CASCALOTE	24" BOX (1-1.5" CAL.)	27
	CORDIA BOISSIERI	ANACAHUITA	36" BOX (5-6" CAL.)	12
	PISTACIA LENTISCUS	MASTIC TREE	36" BOX (1.75-2.25" CAL.)	41
	VITEX NEGUNDO 'HETEROPHYLLA'	CUT-LEAF CHASTE TREE	24" BOX (3-4" CAL.)	35
SHRUBS	BOTANICAL NAME	COMMON NAME	SIZE	QTY
	AMBROSIA DEL TOIDEA	TRIANGLE LEAF BURSAE	1 GAL.	491
	BAILEYA MULTIRADIATA	DESERT MARIGOLD	1 GAL.	492
	ENCELIA FARINOSA	BRITTLEBUSH	1 GAL.	211
	EREMOPHILA PROSTRATA 'OUTBACK SUNRISE'	EMU BUSH	5 GAL.	104
	GLANDULARIA GOODINGII	GOODDING'S VERBENA	1 GAL.	297
	MUHLENBERGIA RIGIDA 'NASHVILLE'	NASHVILLE PURPLE MUHLY	5 GAL.	284
	PENSTEMON PARRYI	PARRY'S BEARDTONGUE	1 GAL.	274


GROUND COVER LEGEND

SYM	INERT MATERIAL	QTY
	1/2" SCREENED DG, 2" DEPTH, COLOR DESERT GOLD	102,907 SF
	1/4" MINUS DG, 2" DEPTH, COLOR DESERT GOLD	1,866 SF
	WOOD MULCH, 4" DEPTH, PER DTL 1/HD2.1	40,363 SF
LIVE MATERIAL		
	TURF GRASS, E-Z TURF MIDIRON	81,093 SF

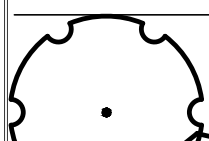
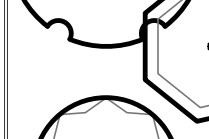
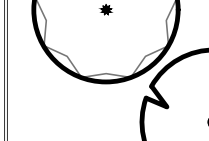


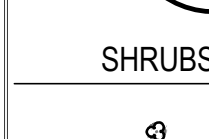
DATE	REVISION	BY
ENGINEER	PUBLIC WORKS	
PRELIMINARY NOT FOR CONSTRUCTION	CAPITAL PROJECT MANAGEMENT	
SHEET TITLE LANDSCAPE PLAN		
PROJECT TITLE ADD A DOG PARK TO THOMPSON PEAK PARK		
SCALE HORIZ. 1" = 20'	DESIGNED MP	DATE 2/16/24
VERT.	DRAWN MP	AS-BUILT
BID NO. 22SQ006		SHT. LP1.2 41 OF 72



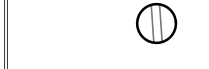
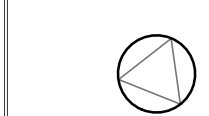









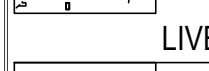


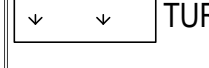
PLANT LEGEND

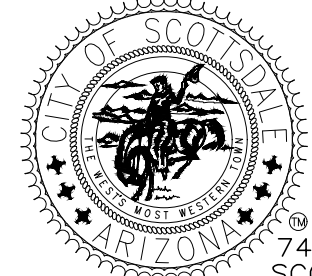
TREES	BOTANICAL NAME	COMMON NAME	SIZE	QTY
	ACACIA ANEURA	MULGA	36" BOX (1.5-2.0" CAL.)	18
	ACACIA CRASPEDOCARPA	LEATHER-LEAF ACACIA	24" BOX (.75-1.25" CAL.)	13
	CAESALPINIA CACALACO	CASCALOTE	24" BOX (1-1.5" CAL.)	27
	CORDIA BOISSIERI	ANACAHUITA	36" BOX (5-6" CAL.)	12
	PISTACIA LENTISCUS	MASTIC TREE	36" BOX (1.75-2.25" CAL.)	41
	VITEX NEGUNDO 'HETEROPHYLLA'	CUT-LEAF CHASTE TREE	24" BOX (3-4" CAL.)	35

SHRUBS	BOTANICAL NAME	COMMON NAME	SIZE	QTY
	AMBROSIA DEL TOIDEA	TRIANGLE LEAF BURSAGE	1 GAL.	491
	BAILEYA MULTIRADIATA	DESERT MARIGOLD	1 GAL.	492
	ENCELIA FARINOSA	BRITTLEBUSH	1 GAL.	211
	EREMOPHILA PROSTRATA 'OUTBACK SUNRISE'	EMU BUSH	5 GAL.	104
	GLANDULARIA GOODINGII	GOODDING'S VERBENA	1 GAL.	297
	MUHLENBERGIA RIGIDA 'NASHVILLE'	NASHVILLE PURPLE MUHLY	5 GAL.	284
	PENSTEMON PARRYI	PARRY'S BEARDTONGUE	1 GAL.	274


GROUND COVER LEGEND

SYM	INERT MATERIAL	QTY
	1/2" SCREENED DG, 2" DEPTH, COLOR DESERT GOLD	102,907 SF
	1/4" MINUS DG, 2" DEPTH, COLOR DESERT GOLD	1,866 SF
	WOOD MULCH, 4" DEPTH, PER DTL 1/HD2.1	40,363 SF

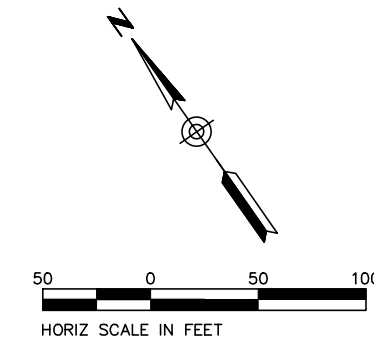
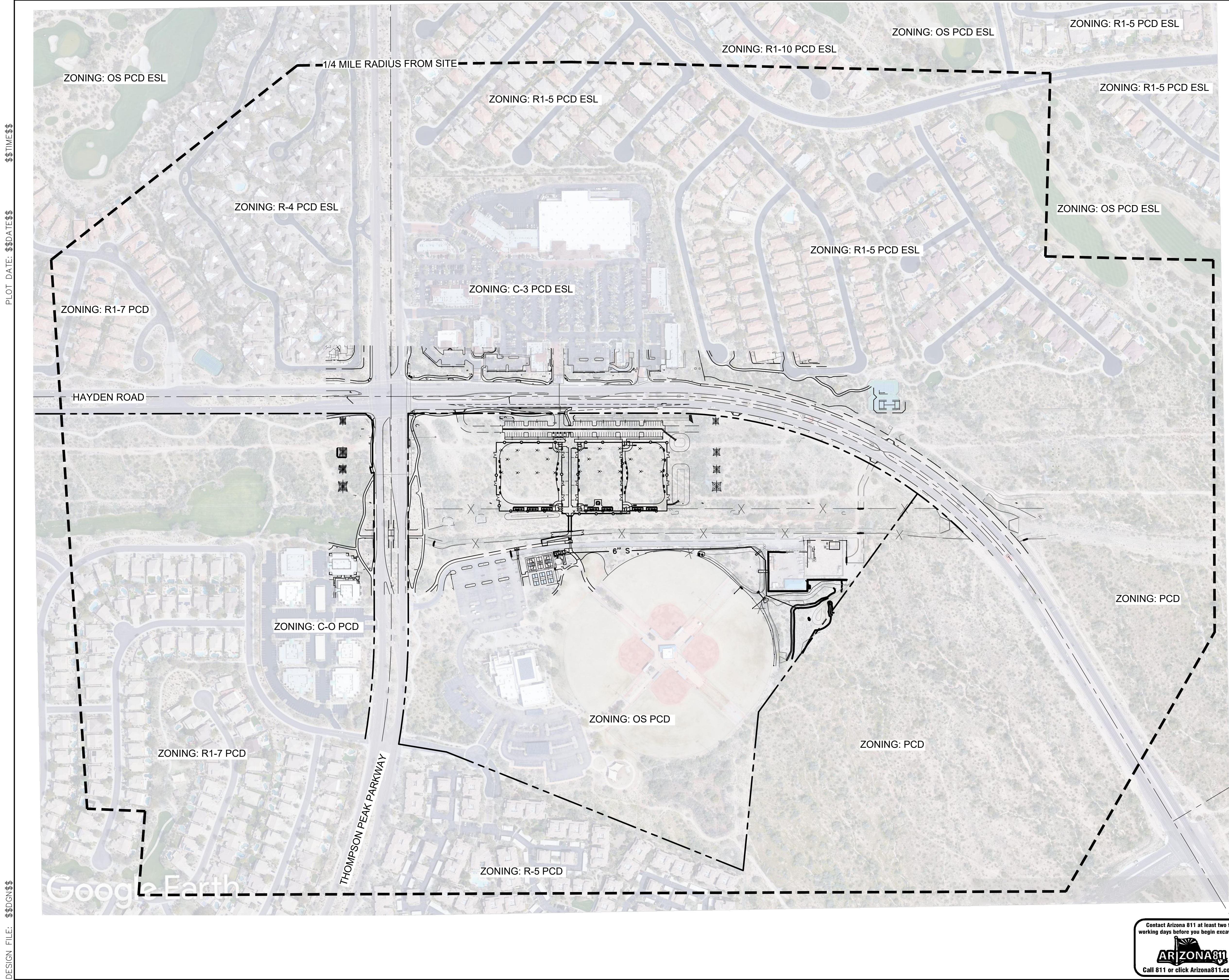
LIVE MATERIAL		QTY
	TURF GRASS, E-Z TURF MIDIRON	81,093 SF


DATE	REVISION	BY
ENGINEER		
PRELIMINARY NOT FOR CONSTRUCTION	 <p>PUBLIC WORKS CAPITAL PROJECT MANAGEMENT</p>	
SHEET TITLE LANDSCAPE PLAN		
PROJECT TITLE ADD A DOG PARK TO THOMPSON PEAK PARK		
SCALE HORIZ. 1" = 20' VERT.	DESIGNED MP DRAWN MP	DATE 2/16/24 AS-BUILT PROJECT NO. 22SQ006
BID NO.		SHT. LP1.3 42 OF 72

Contact Arizona 811 at least two full working days before you begin excavation



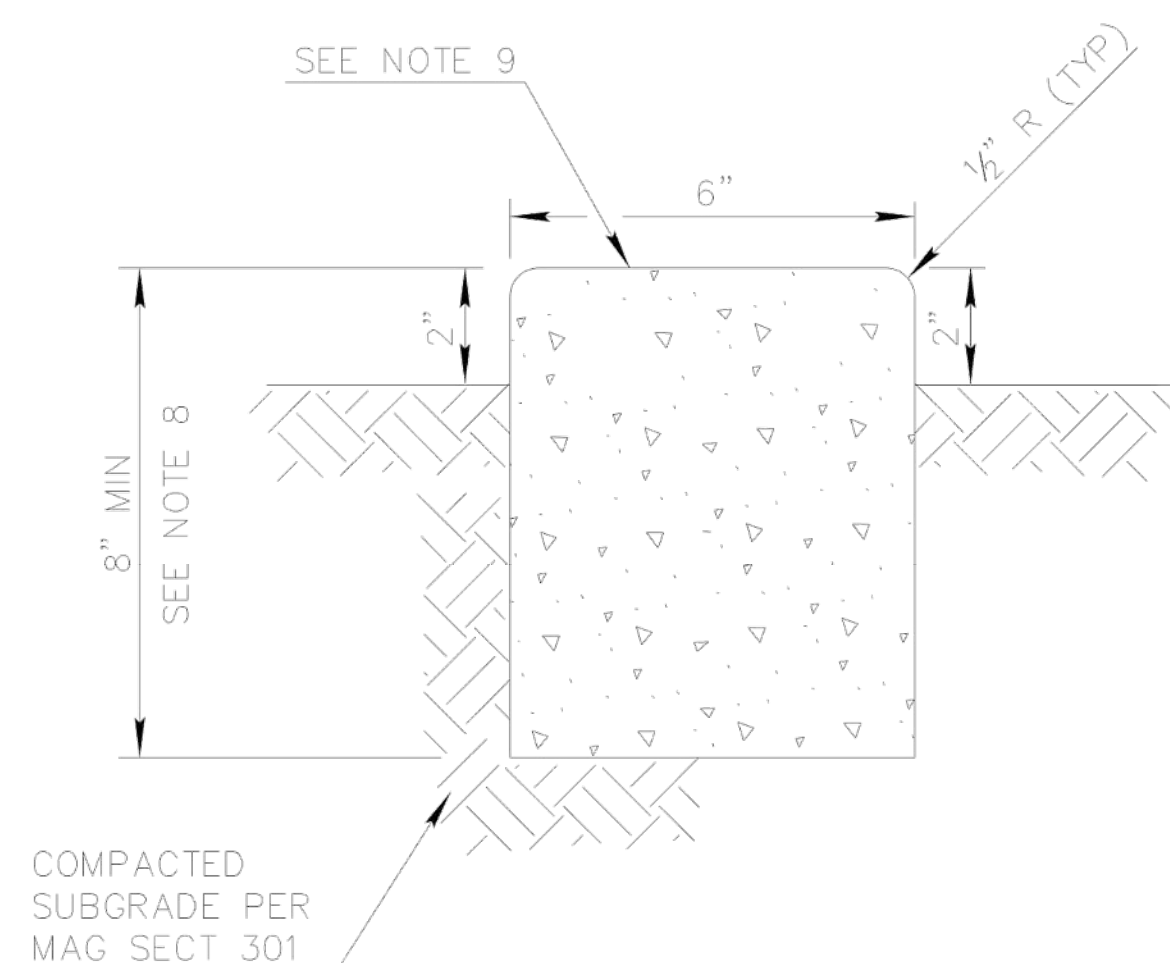
Call 811 or click Arizona811.com



DATE	REVISION	BY
ENGINEER		
PRELIMINARY NOT FOR CONSTRUCTION		PUBLIC WORKS CAPITAL PROJECT MANAGEMENT 7447 E. INDIAN SCHOOL RD. SCOTTSDALE, ARIZONA 85251
SHEET TITLE	CONTEXT AERIAL	
PROJECT TITLE	ADD A DOG PARK TO THOMPSON PEAK PARK	
SCALE HORIZ. 1" = 20'	DESIGNED MP	DATE 2/16/24
VERT.	DRAWN MP	AS-BUILT
		BID NO.
		PROJECT NO. 22SQ006
		SHT. OF 72

Contact Arizona 811 at least two full working days before you begin excavation


Call 811 or click Arizona811.com

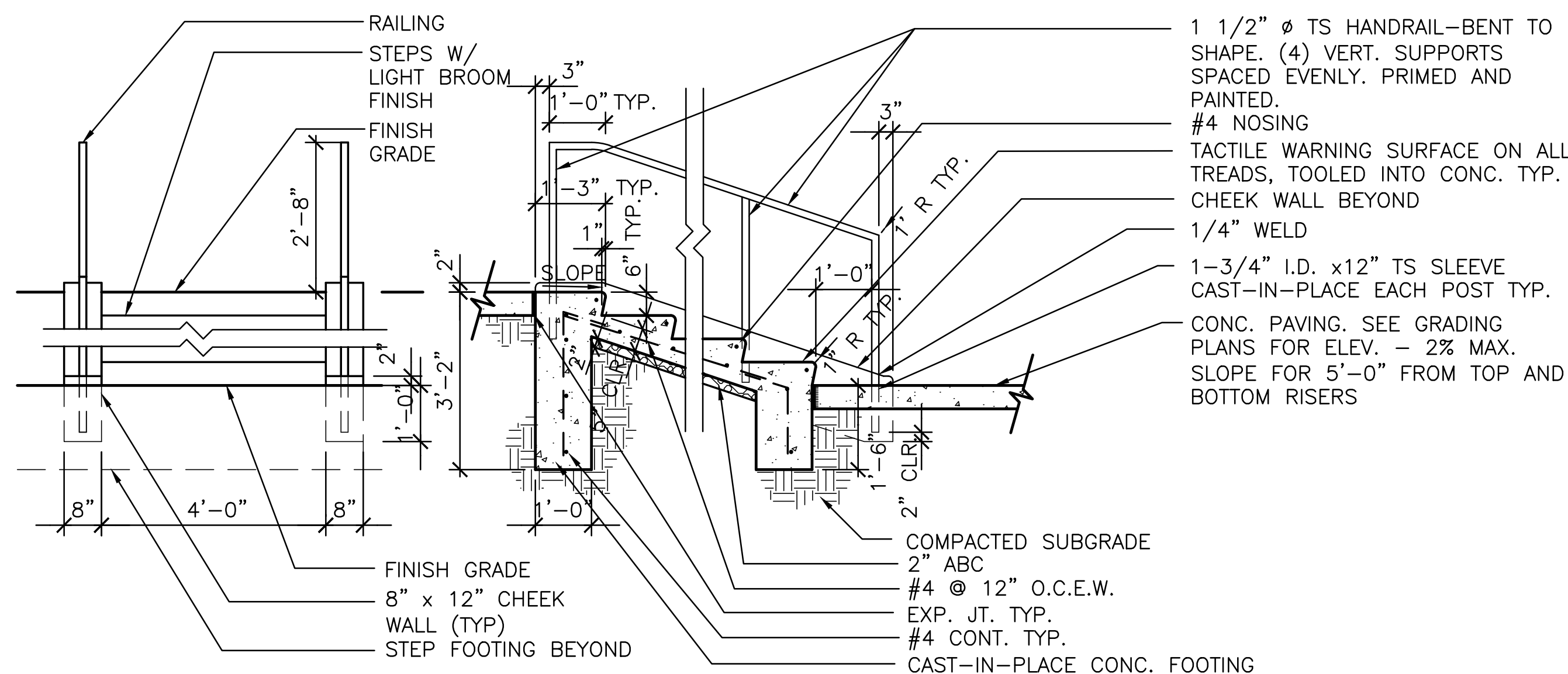


HEADER CURB

NOTES:

1. ALL VERTICAL SURFACES TO BE FORMED.
2. VERTICAL SURFACES DOWN FROM 2" BELOW UNDISTURBED SOIL MAY BE PLACED AGAINST NEAT CUT IF APPROVED BY THE ENGINEER AND CONCRETE WILL NOT EXTEND MORE THAN 1" BEYOND THEORETICAL FACE.
3. ALL EXPOSED SURFACES TO BE STRIPPED GREEN AND \ TROWEL FINISHED.
4. CONCRETE CURBS CONFORM TO SECTION 340.
5. MAXIMUM SPACING OF CONTRACTION JOINTS IS 10' MAXIMUM.
6. EXPANSION JOINTS PER SECTION 340, 50' MAXIMUM SPACING.
7. CONCRETE TO BE CLASS B PER SECTION 725.
8. HEADER SHALL HAVE AN 18" DEPTH IF HEADER IS SUBJECT TO SCOUR WHEN CONTAINING RIP-RAP AREAS.
9. TOP OF HEADER TO BE FLUSH WITH TOP OF ANY ADJACENT CONCRETE SURFACES.
10. ENSURE A SMOOTH AND EVEN TRANSITION WHERE CONCRETE HEADER TERMINATES AT SIDEWALK OR WALL.
11. COLOR TO MATCH ADJACENT SIDEWALKS OR STANDARD CONCRETE COLOR IF NOT ADJACENT TO OTHER PAVING.

DETAIL NO. 2622	City of Scottsdale Standard Details	APPROVED BY: Scottsdale Standards & Specifications Committee	LANDSCAPE CONCRETE HEADER	DETAIL NO. 2622
--------------------	----------------------------------------	--------------------------------------------------------------------	---------------------------	--------------------



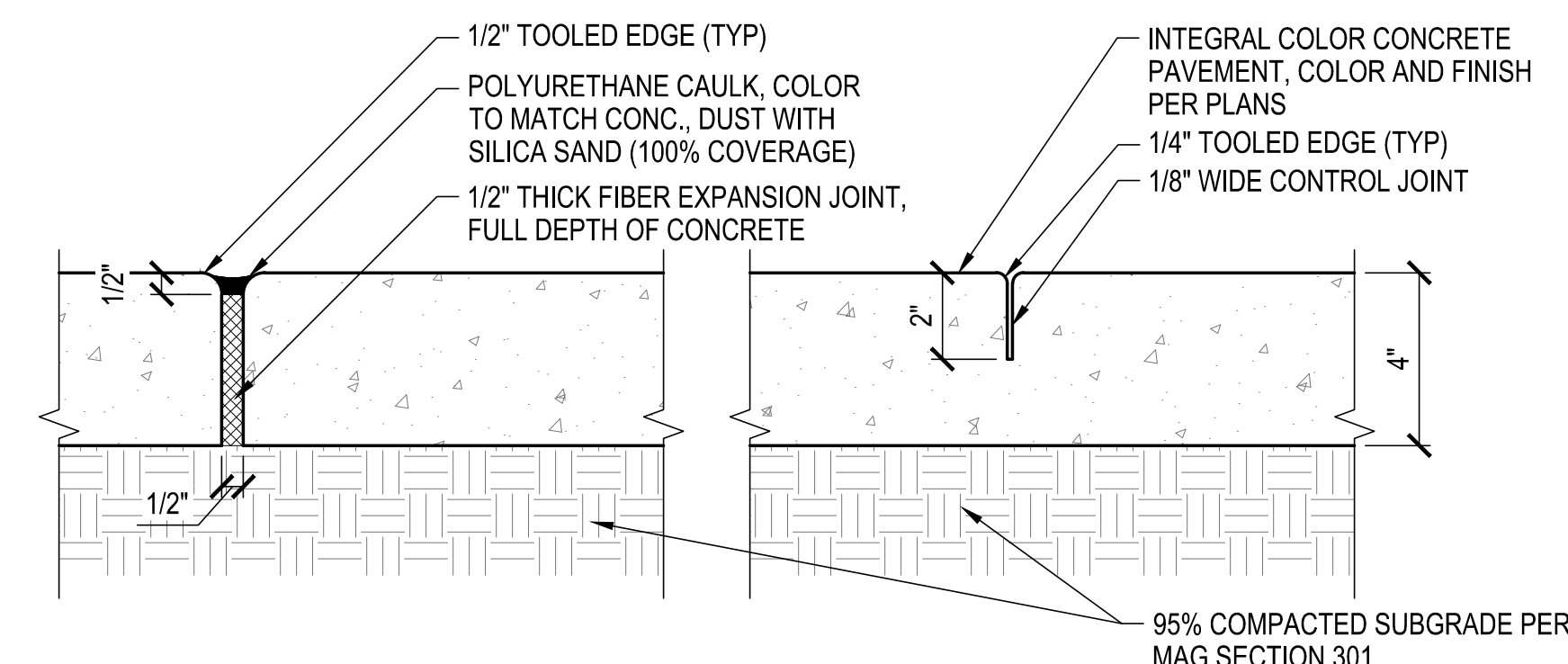
NOTES:

1. MIRROR HANDRAIL ON BOTH SIDES OF STEPS. SHOP DRAWINGS REQUIRED FOR APPROVAL PRIOR TO INSTALLATION.
2. PROVIDE GROUNDING PER DTL 3/HD2.6

1

STAIRS AND HANDRAILS

SCALE: NTS



EXPANSION JOINT

CONTRACTION/SCORE JOINT

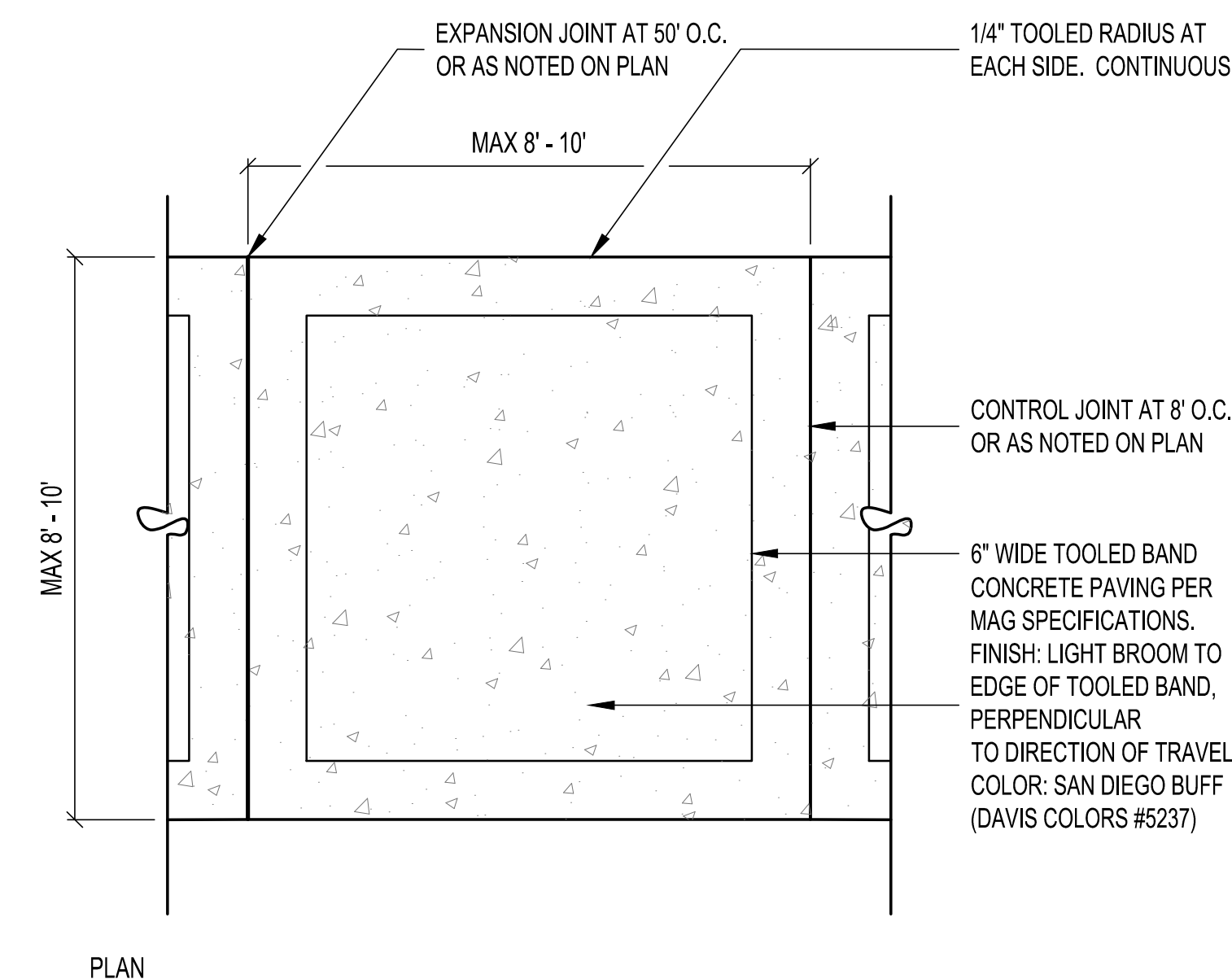
NOTES:

1. SUBGRADE PREPARATION PER MAG SPECIFICATION SECTION 301.
2. LAYOUT CONC. JOINTS PER --.
3. THIS JOINT DETAIL APPLIES TO ALL CONC. FLAT WORK UNLESS NOTED OTHERWISE ON PLANS.
4. PLACE EXPANSION JOINTS WHERE HORIZONTAL WORK MEETS VERTICAL SURFACES.
5. INSTALL VOID CAP OVER TOP EDGE OF EXPANSION JOINT PRIOR TO POURING CONC.; REMOVE ONLY PRIOR TO CAULKING INSTALLATION.
6. CONC. SHALL HAVE A 4.5% MAXIMUM LONGITUDINAL SLOPE AND 1.5% GROSS SLOPES.
7. PROVIDE SAMPLE 5 - 10 MCKUP CONC. FOR EACH CONC. FILL AND CONC. FOR APPROVAL PRIOR TO INSTALLATION.
8. PROVIDE ONE (1) 5" SAMPLE OF EACH JOINT TYPE AS PART OF THE MCKUP SAMPLE.
9. SEE SHEET -- FOR EXPANSION AND CONTRACTION JOINT LOCATIONS.
10. CONCRETE TO BE CLASS A PER MAG SECTION 340.

2

CONCRETE JOINTING

SCALE: NTS

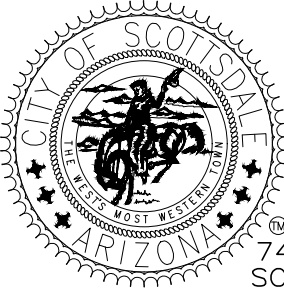


PLAN

3

CONCRETE SIDEWALK

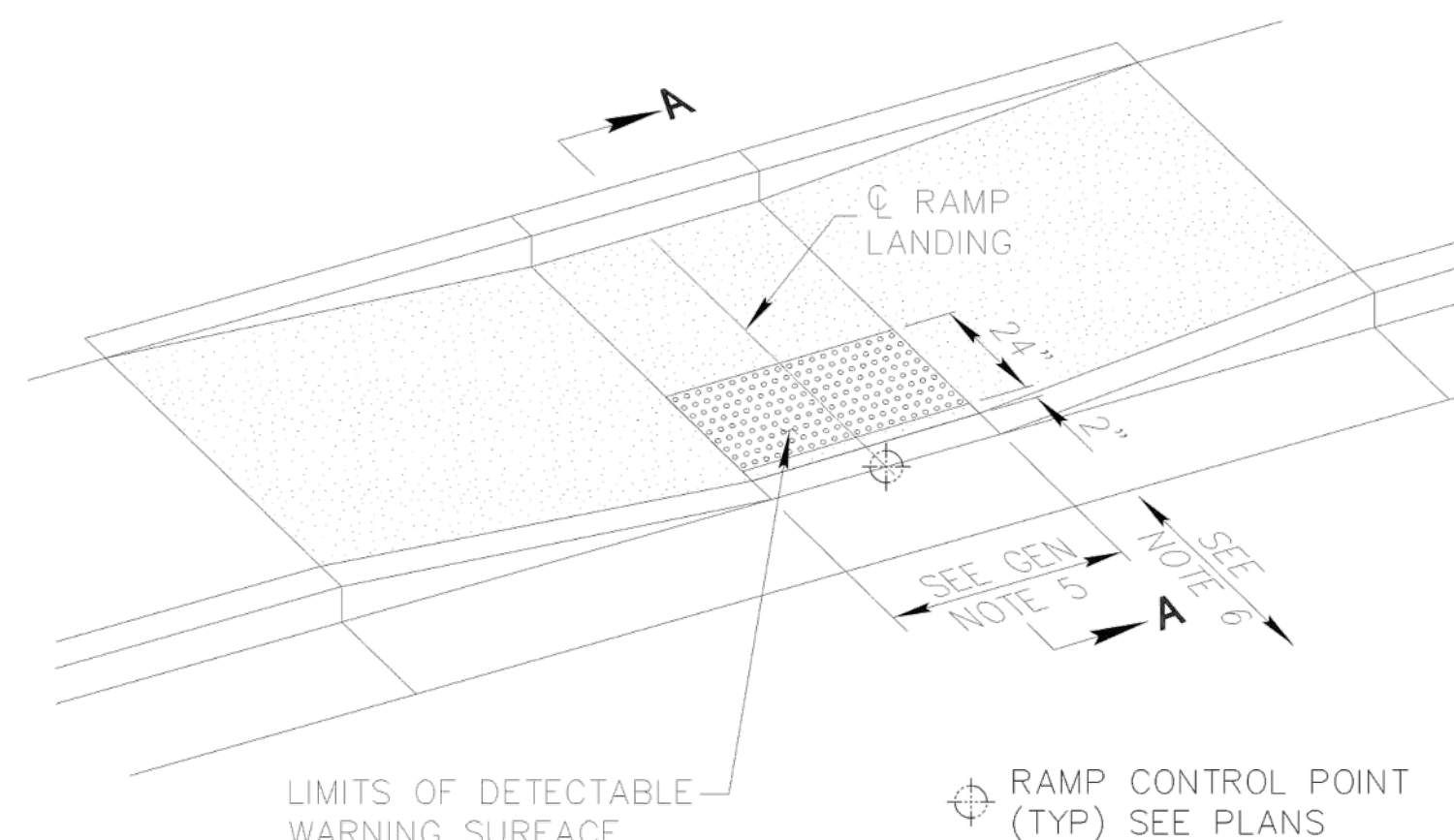
SCALE: NTS

DATE		REVISION		BY	
ENGINEER				PUBLIC WORKS	
PRELIMINARY NOT FOR CONSTRUCTION				CAPITAL PROJECT MANAGEMENT	
		7447 E. INDIAN SCHOOL RD. SCOTTSDALE, ARIZONA 85261			
SHEET TITLE					
HARDSCAPE DETAILS					
PROJECT TITLE		ADD A DOG PARK TO THOMPSON PEAK PARK			
SCALE	DESIGNED M	DATE	BID NO.	SHT.	
HORIZ. 1" = 20'	DRAWN JMP	2/16/24		HD2.1	
VERT.		AS-BUILT	PROJECT NO. 22S0006	31 OF 61	

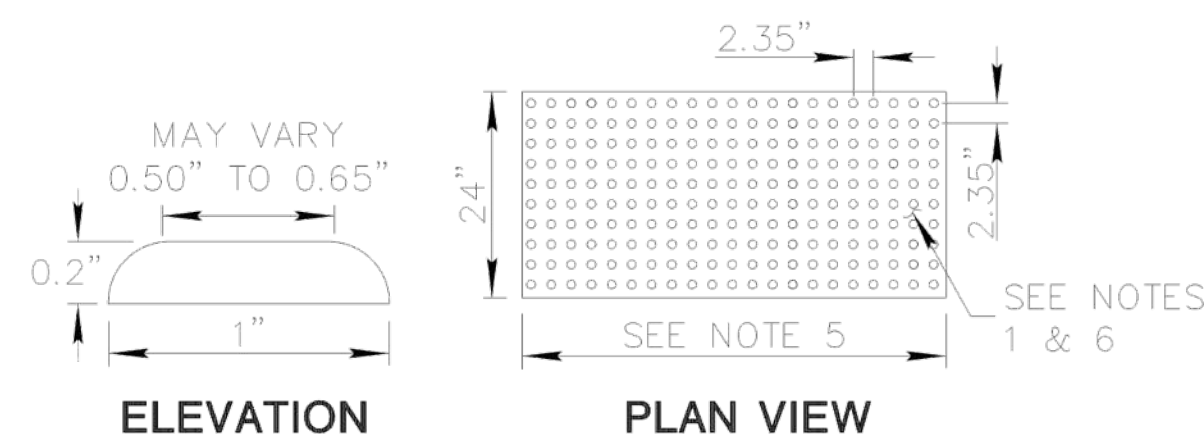


NOTES:

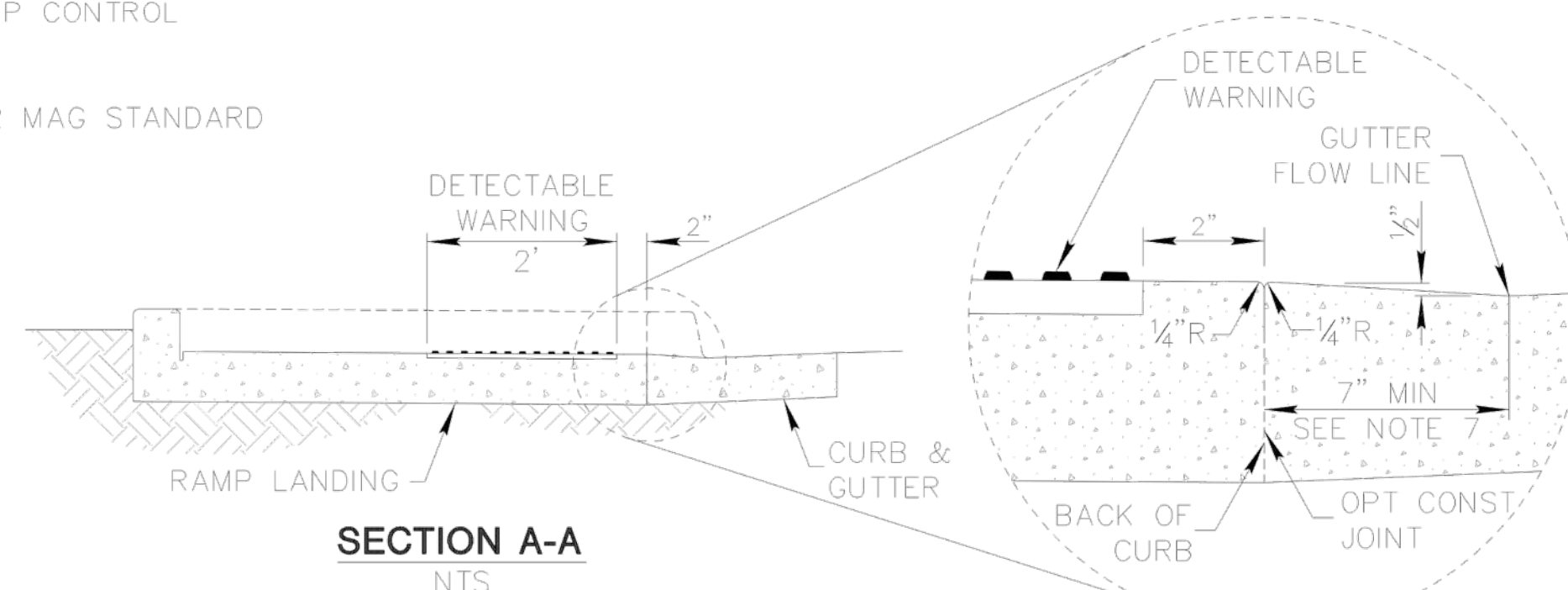
1. DETECTABLE WARNING SURFACE SHALL CONSIST OF RAISED TRUNCATED DOMES ARRANGED IN A SQUARE GRID, EQUAL IN BOTH DIRECTIONS, AND SHALL CONFORM TO THE DETAILS IN THE PLANS AND IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND INSTALLATION INSTRUCTIONS.
2. ALL DETECTABLE WARNING SURFACES SHALL START 2" BEHIND THE BACK OF THE CURB, MEASURE 24 INCHES IN DEPTH, AND COVER THE COMPLETE WIDTH OF THE RAMP.
3. 70% VISUAL CONTRAST IS REQUIRED. THE COLOR SHALL BE AN INTEGRAL PART OF THE DETECTABLE WARNING MATERIAL. COLOR WILL BE SUBJECT TO APPROVAL BY CITY STAFF.
4. THE CONCRETE WORK REQUIRED TO FORM A BLOCK OUT FOR CAST IN PLACE APPLICATIONS, OR TO CREATE A SMOOTH AND CLEAN CONCRETE SURFACE FOR SURFACE APPLICATIONS, SHALL BE INCLUDED IN THE COST OF THE CONCRETE CURB RAMP. THE COST OF FURNISHING AND INSTALLING THE DETECTABLE WARNING DEVICE SHALL BE INCLUDED IN THE COST OF THE CONCRETE CURB RAMP.
5. WIDTH PER RAMP DETAIL OR AS CALLED OUT ON PLANS.
6. ALL RAMPS AND DETECTABLE WARNING SHALL BE ALIGNED PERPENDICULAR TO THE CURB AT THE RAMP CONTROL POINT. SEE PLANS FOR RAMP CONTROL POINT.
7. CURB WIDTH SHALL BE MODIFIED FOR RADIAL CURB RAMPS PER MAG STANDARD DETAIL 234.



INSTALLATION EXAMPLE



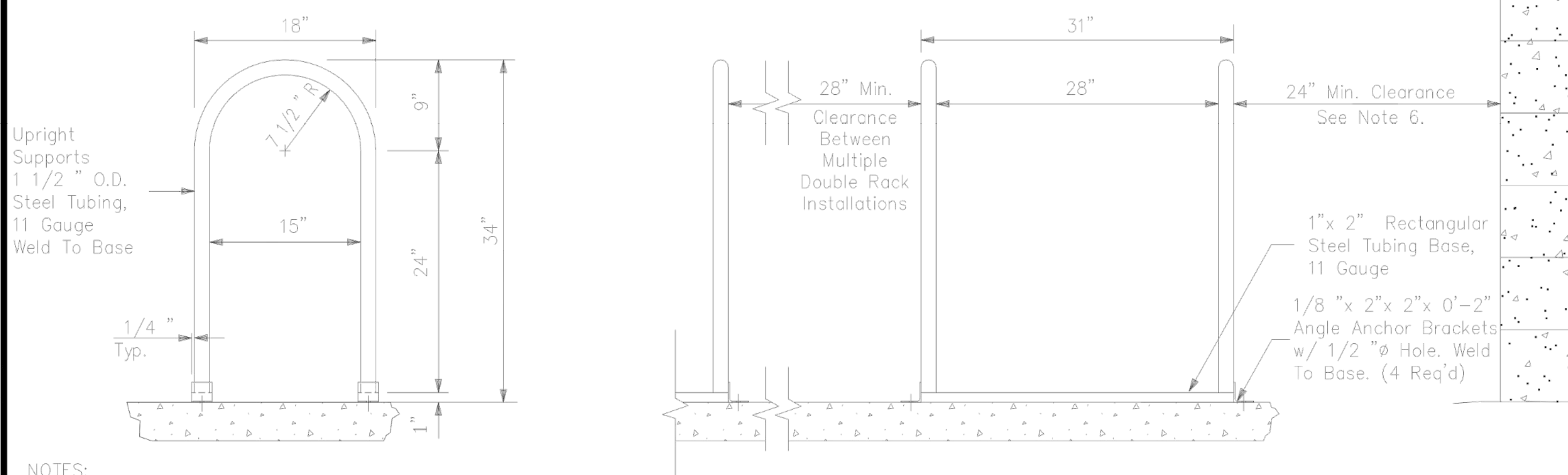
TRUNCATED DOME / DETECTABLE WARNING



DETAIL 1

DETAIL NO. 2231	City of Scottsdale Standard Details	APPROVED BY: Scottsdale Standards & Specifications Committee	DETECTABLE WARNING SURFACE	DETAIL NO. 2231
---------------------------	------------------------------------------------	--------------------------------------------------------------------------------	-----------------------------------	---------------------------

MODIFICATION: PROVIDE GROUNDING PER DTL 3/HD2.6

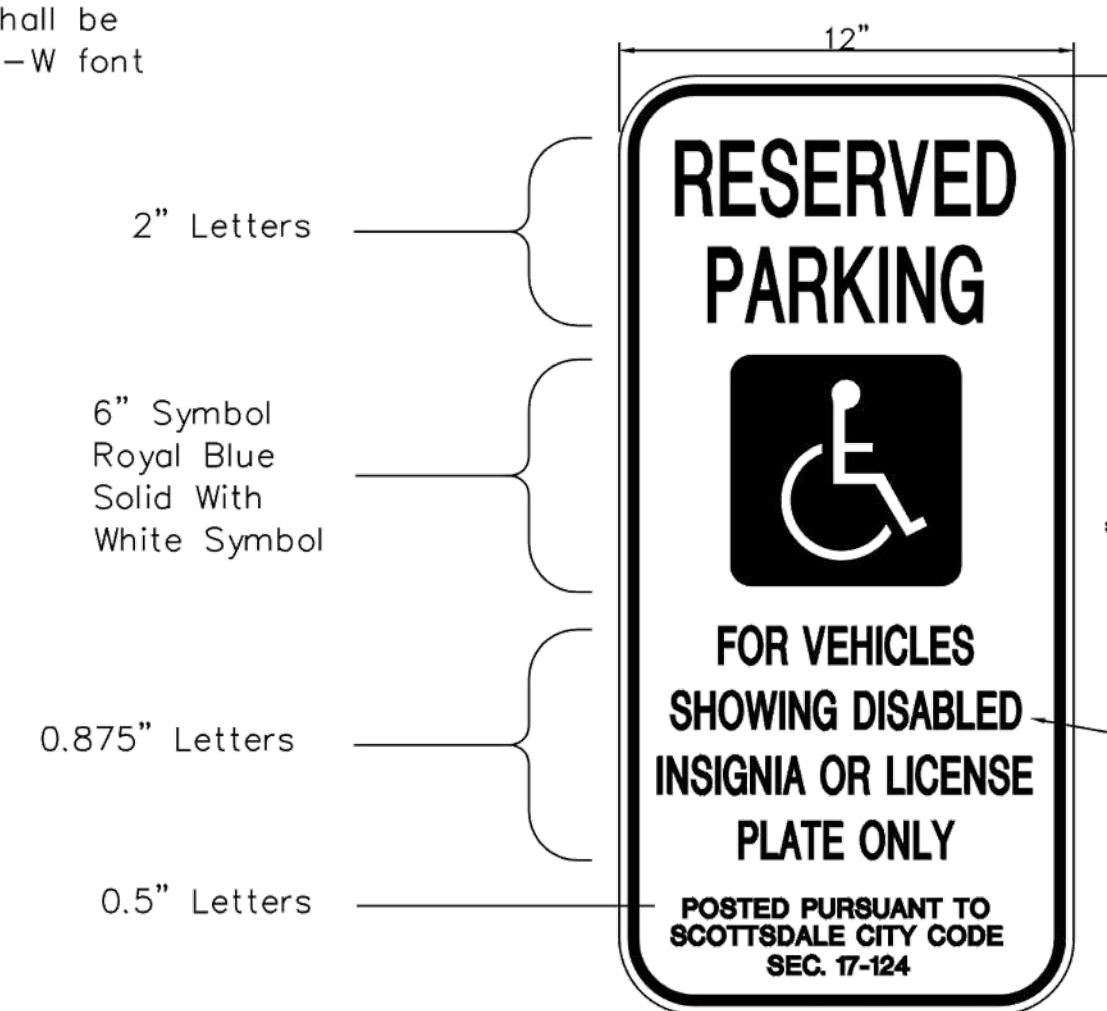


1. Double rack holds 4 bicycles.
2. Finish to be weather resistant, baked-on powder polymer coating.
3. Anchor rack to concrete w/ 3/8"Ø x 2 1/2" wedge anchors and tamper resistant or welded nuts, (4 Req'd) or set tubing 12" below grade in 24" deep x 6" wide concrete footing.
4. Concrete base may be covered with turf or decomposed granite.
5. Placement of bicycle rack shall be convenient to main entrance and in a highly visible area.
6. 24" Min. clearance from walls or obstructions including curbs or edge of roadway on both sides and back of rack. Front of rack shall have a 6' min clear area.

DETAIL NO. 2285	City of Scottsdale Standard Details	APPROVED BY: Scottsdale Standards & Specifications Committee	DOUBLE BICYCLE RACK	MODIFIED DETAIL NO. 2285
---------------------------	------------------------------------------------------	--------------------------------------------------------------------	----------------------------	---------------------------------------

NOTE:

Lettering shall be
Clearview 1-W font



ACCESSIBLE SIGNAGE

One Sign At Each
Accessible Parking Stall

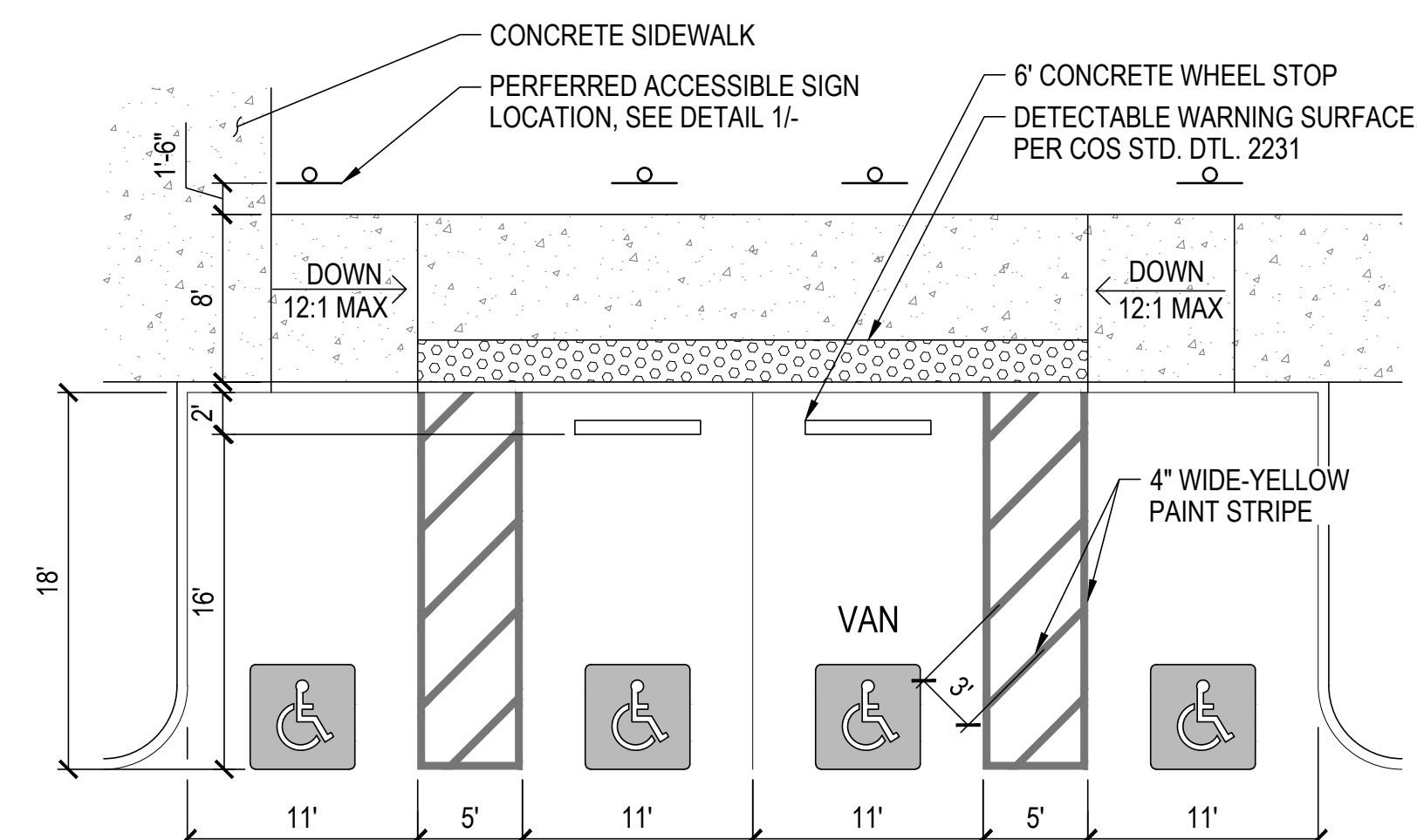
MOUNTING OPTIONS (SEE PLANS)

- A) Flexible P.E. Post With Surface Mount Base – Epoxy To Pavement Surface
- B) Perforated Galvanized Tubing Per COS Detail 2131. Install In Landscape Areas Only.
- C) Surface Mount To Structure
- D) Mount As Detailed On Plans

Green Borders and Text,
and Blue Symbol on White
Retroreflective Background (Typ.)
— Background: ASTM Type IV Sheeting
Copy: Same As Above
Substrate: 0.080 Gauge
Treated Aluminum


- Bottom of Sign Shall Be Five Feet Above Finish Surface

DETAIL NO. 2124	City of Scottsdale Standard Details	APPROVED BY: Scottsdale Standards & Specifications Committee	ACCESSIBLE SIGNAGE	DETAIL NO. 2124
---------------------------	-----------------------------------------------	----------------------------------------------------------------------------	---------------------------	---------------------------



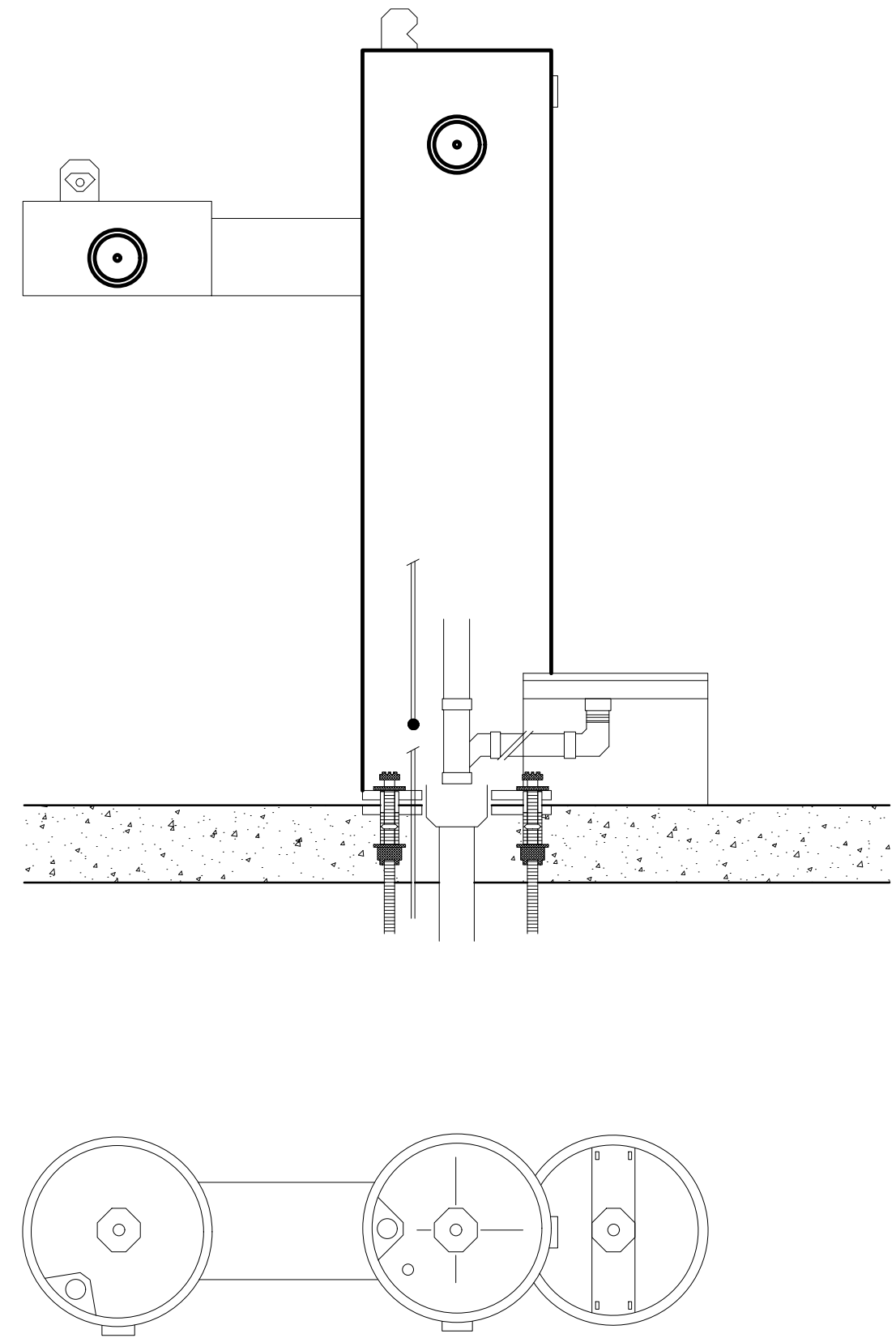
ADA PARKING STRIPING

SCALE: NTS

DATE		REVISION		BY	
ENGINEER				PUBLIC WORKS	
PRELIMINARY NOT FOR CONSTRUCTION				CAPITAL PROJECT MANAGEMENT	
				7447 E. INDIAN SCHOOL RD. SCOTTSDALE, ARIZONA 85261	
SHEET TITLE					
HARDSCAPE DETAILS					
PROJECT TITLE					
ADD A DOG PARK TO THOMPSON PEAK PARK					
SCALE	DESIGNED	DATE	BID NO.	SHT.	
HORIZ. 1" = 20'	MP	2/15/24		HD.2	
VERT.	DRAWN MP	AS-BUILT	PROJECT NO. 22SQ006	32 OF 61	



MOST DEPENDABLE FOUNTAINS, INC.
5705 COMMANDER DR. P.O. BOX 587
ARLINGTON, TN 38002-0587
PHONE: (901) 867-0039
www.mostdependable.com



NOTES:


1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
2. NOTE TO ARCHITECT, SCALE DRAWING IN AUTOCAD MODEL SPACE.
3. THIS DRAWING IS INTENDED FOR USE BY ARCHITECTS, ENGINEERS, CONTRACTORS, CONSULTANTS AND DESIGN PROFESSIONALS FOR PLANNING PURPOSES ONLY. THIS DRAWING MAY NOT BE USED FOR CONSTRUCTION.
4. ALL INFORMATION CONTAINED HEREIN WAS CURRENT AT THE TIME OF DEVELOPMENT BUT MUST BE REVIEWED AND APPROVED BY THE PRODUCT MANUFACTURER TO BE CONSIDERED ACCURATE.
5. CONTRACTOR'S NOTE: FOR PRODUCT AND COMPANY INFORMATION VISIT www.CADdetails.com/info AND ENTER REFERENCE NUMBER Thompson.
6. PROVIDE GROUNDING PER DTL 3/HD2.6

PROTECTED BY COPYRIGHT ©2024 CADDETAILS.COM LTD. REVISION DATE 19/02/2024

REVISION DATE 19/02/2024

1 DRINKING FOUNTAIN: MDF 440 SMFA W/ PET FOUNTAIN

SCALE: NTS

DATE		REVISION		BY	
ENGINEER				PUBLIC WORKS	
PRELIMINARY NOT FOR CONSTRUCTION				CAPITAL PROJECT MANAGEMENT	
		7447 E. INDIAN SCHOOL RD. SCOTTSDALE, ARIZONA 85251			
SHEET TITLE					
HARDSCAPE DETAILS					
PROJECT TITLE					
ADD A DOG PARK TO THOMPSON PEAK PARK					
SCALE		DESIGNED	DATE	BID NO.	SHT.
HORIZ. 1" = 20'		MP	2/16/24		HD2.3
VERT.		DRAWN	AS-BUILT	PROJECT NO.	
		MP		22S0006	33 OF 68

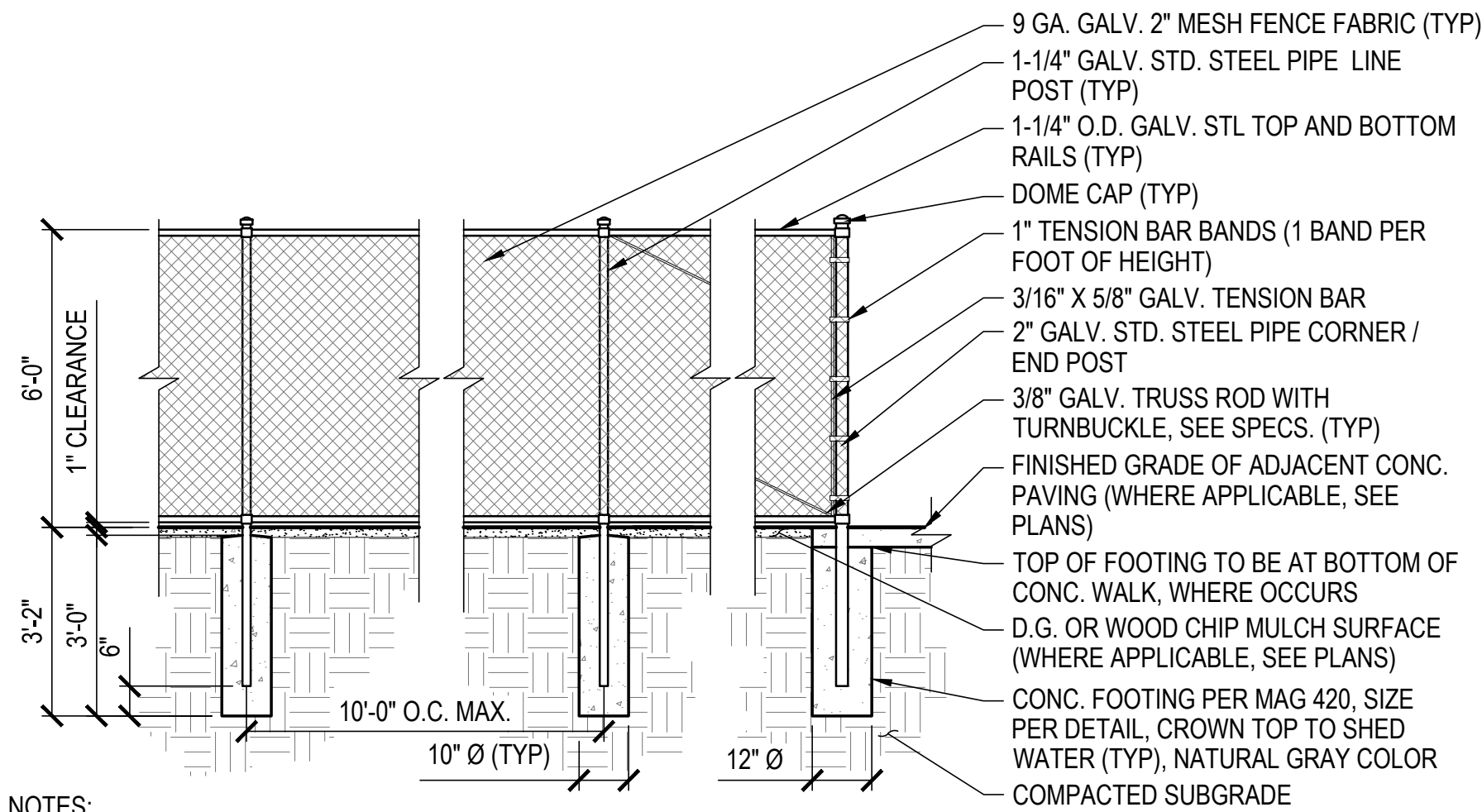
Contact Arizona 811 at least two full working days before you begin excavation

ARIZONA811

Call 811 or click Arizona811.com

PLOT DATE: \$\$\$TIME\$\$\$

DESIGN FILE: \$\$\$DN\$\$\$

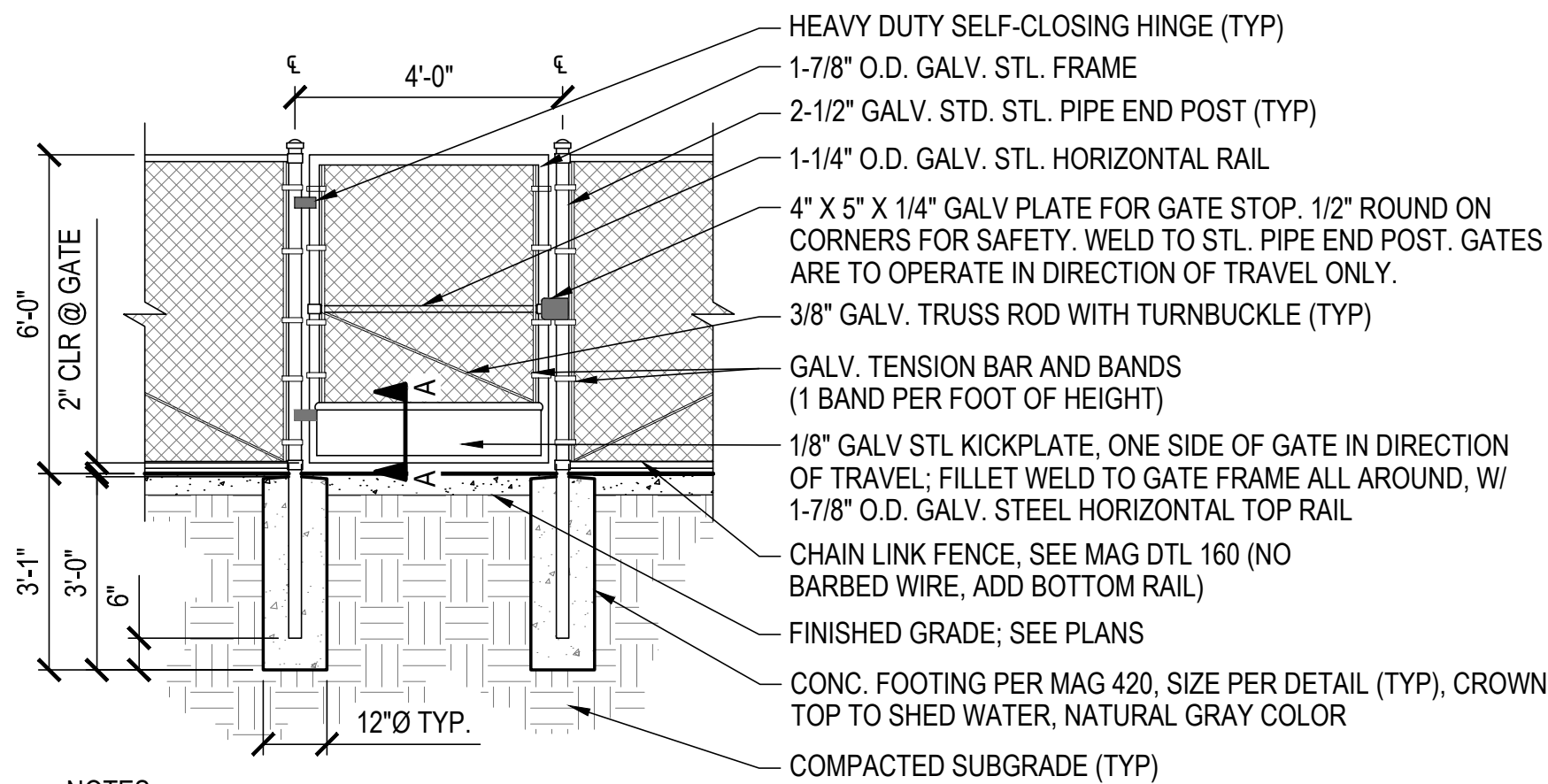


NOTES:

1. INSTALL FENCE FABRIC ON INTERIOR SIDE OF DOG PARK FENCE. INTERIOR FENCE BETWEEN CELLS WILL BE INSTALLED TO INSIDE OF MIDDLE CELL.
2. TIE FENCE FABRIC TO TOP RAIL AT 16" MAX. SPACING AND PER MAG SECTION 420.
3. INSTALL DOME CAPS ON POSTS (TYP)
4. PROVIDE KNUCKLED SELVAGE.
5. ALL FENCES TO BE ELECTROSTATICALLY PAINTED BLACK.
6. SEE ELECTRICAL FOR FENCE GROUNDING.

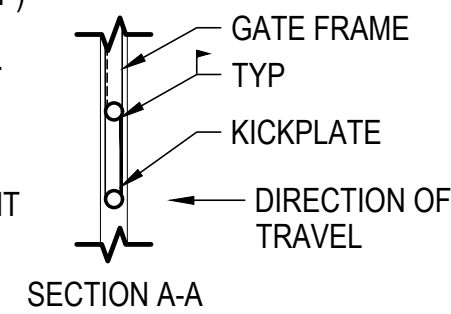
1 CHAIN LINK FENCE

SCALE: NTS



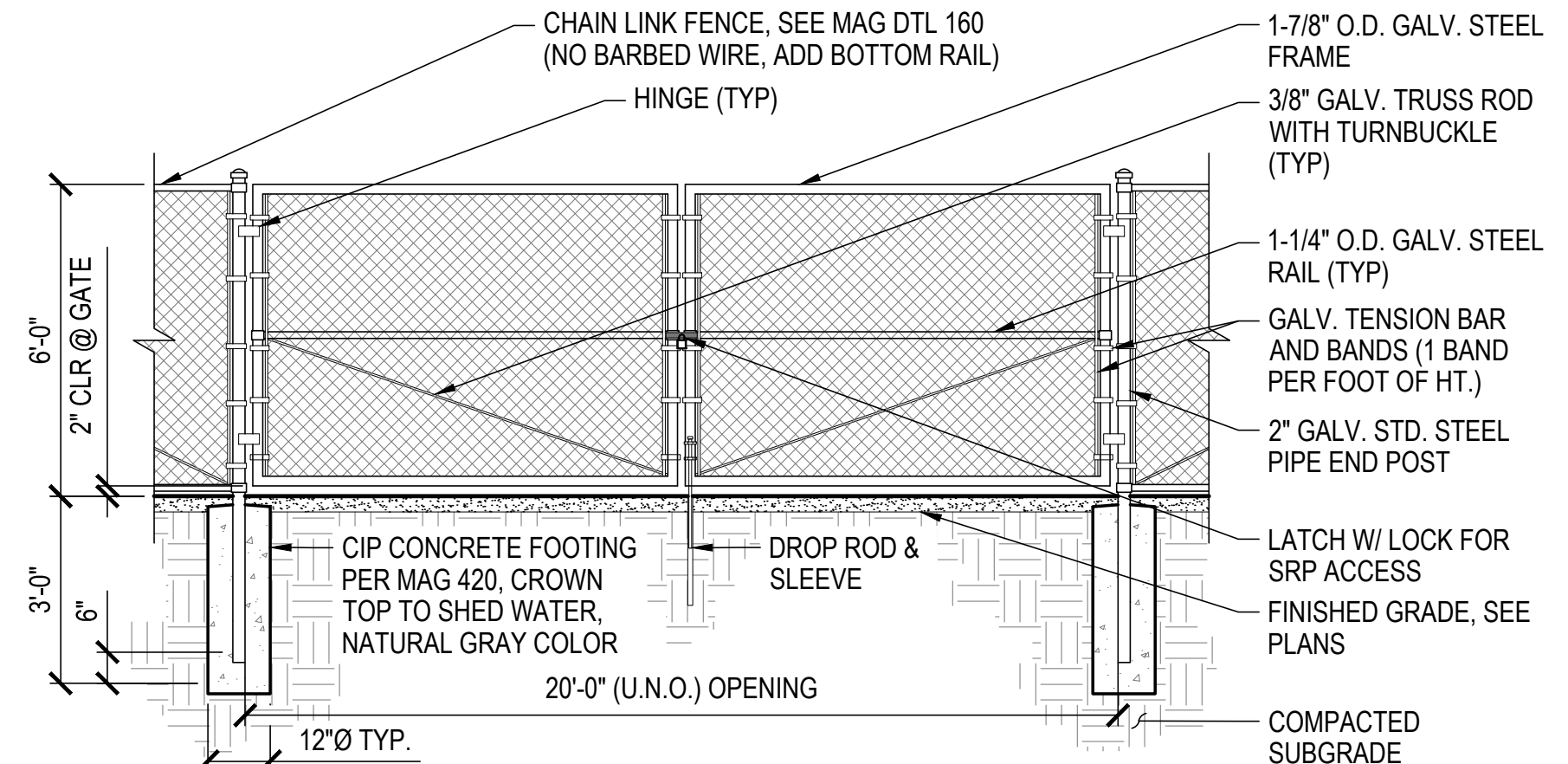
NOTES:

1. INSTALL 9 GA. GALV. 2" MESH FENCE FABRIC ON EXTERIOR SIDE OF DOG PARK GATE.
2. TIE FENCE FABRIC TO TOP OF GATE FRAME AT 16" MAX. SPACING.
3. INSTALL DOME CAPS ON POSTS (TYP)
4. PROVIDE KNUCKLED SELVAGE.
5. AT THE TWO MAIN ENTRY GATES, COORDINATE WITH OWNER'S SECURITY EQUIPMENT PROVIDER TO INSTALL CONTROLLED ENTRY SYSTEM, LOCKS, AND CLOSING MECHANISMS.
6. ALL FENCES TO BE ELECTROSTATICALLY PAINTED BLACK.
7. SEE ELECTRICAL FOR FENCE GROUNDING.



2 SINGLE GATE

SCALE: NTS

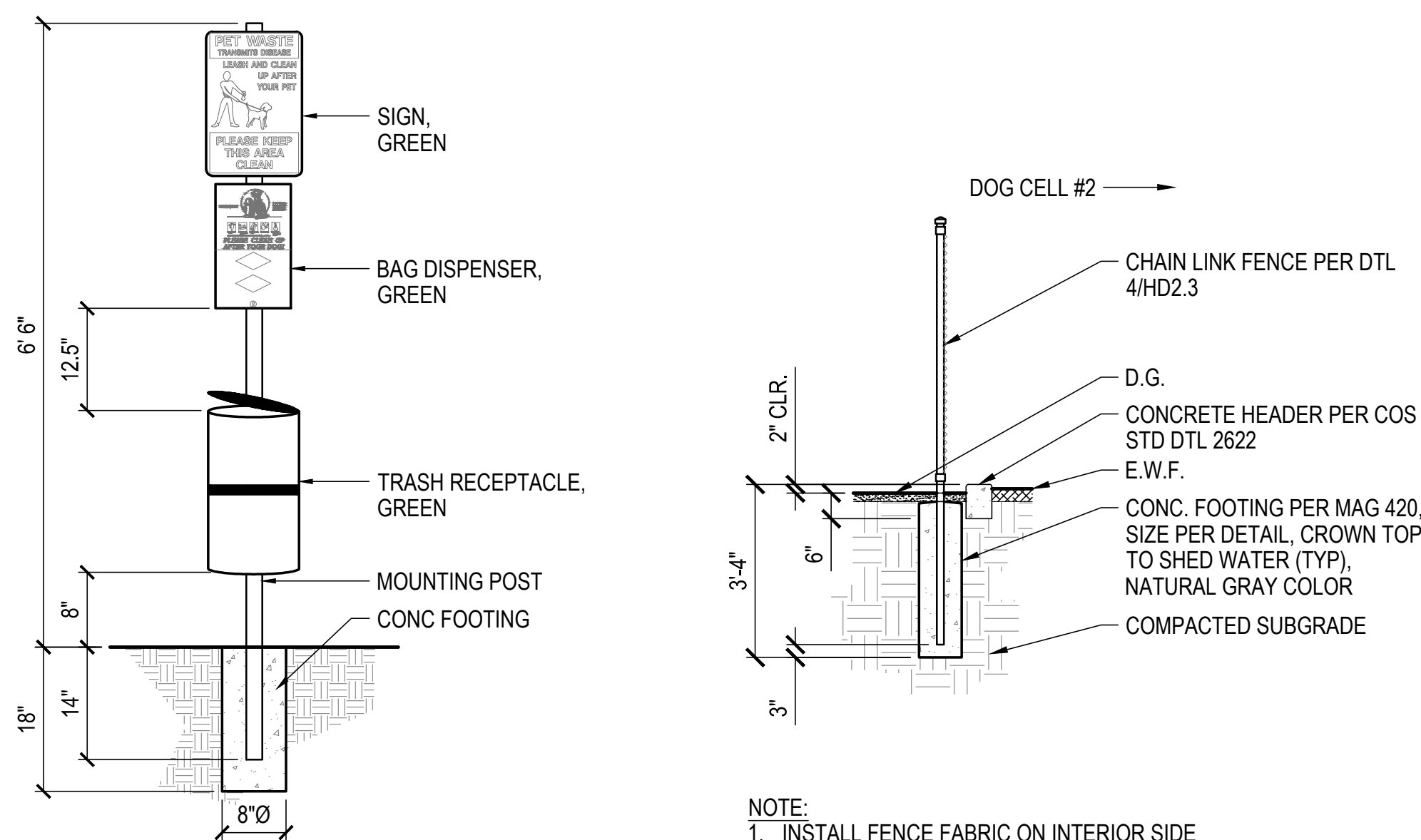


NOTES:

1. INSTALL 9 GA. GALV. 2" MESH FENCE FABRIC ON EXTERIOR SIDE OF DOG PARK GATE.
2. TIE FENCE FABRIC TO TOP OF GATE FRAME AT 16" MAX. SPACING.
3. INSTALL DOME CAPS ON POSTS (TYP)
4. PROVIDE KNUCKLED SELVAGE.
5. ALL FENCES TO BE ELECTROSTATICALLY PAINTED BLACK.
6. SEE ELECTRICAL FOR FENCE GROUNDING.

3 DOUBLE SWING GATE

SCALE: NTS



NOTE:

1. PROVIDE GROUNDING PER DTL 3/HD2.6.

4 PET WASTE STATION

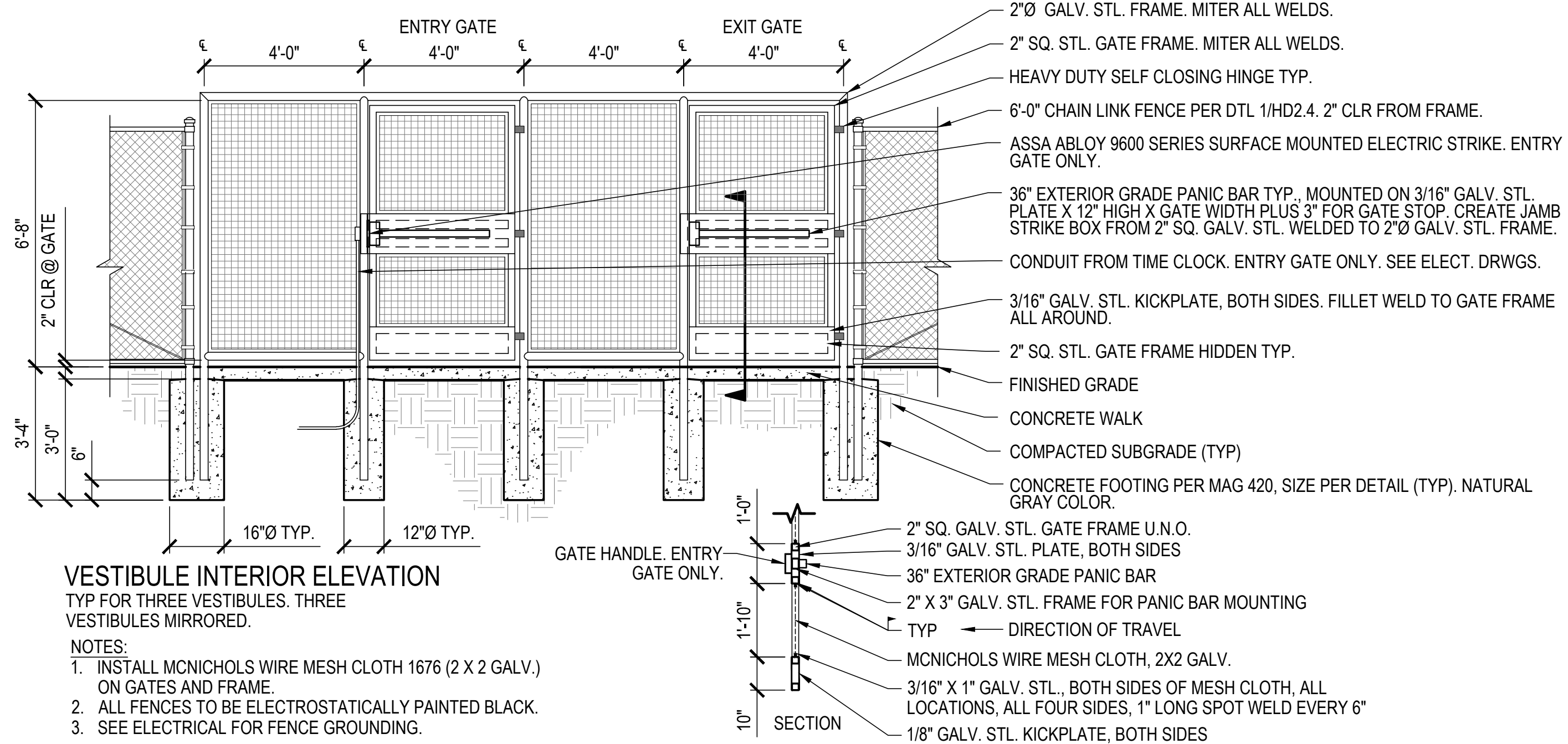
SCALE: NTS

NOTE:

1. INSTALL FENCE FABRIC ON INTERIOR SIDE OF DOG PARK FENCE OF DOG CELL #2.

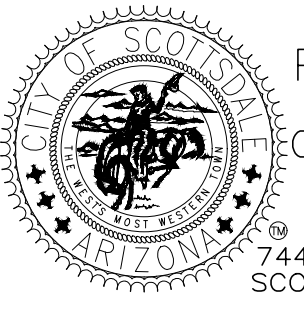
5 CONCRETE HEADER AT FENCE

SCALE: NTS

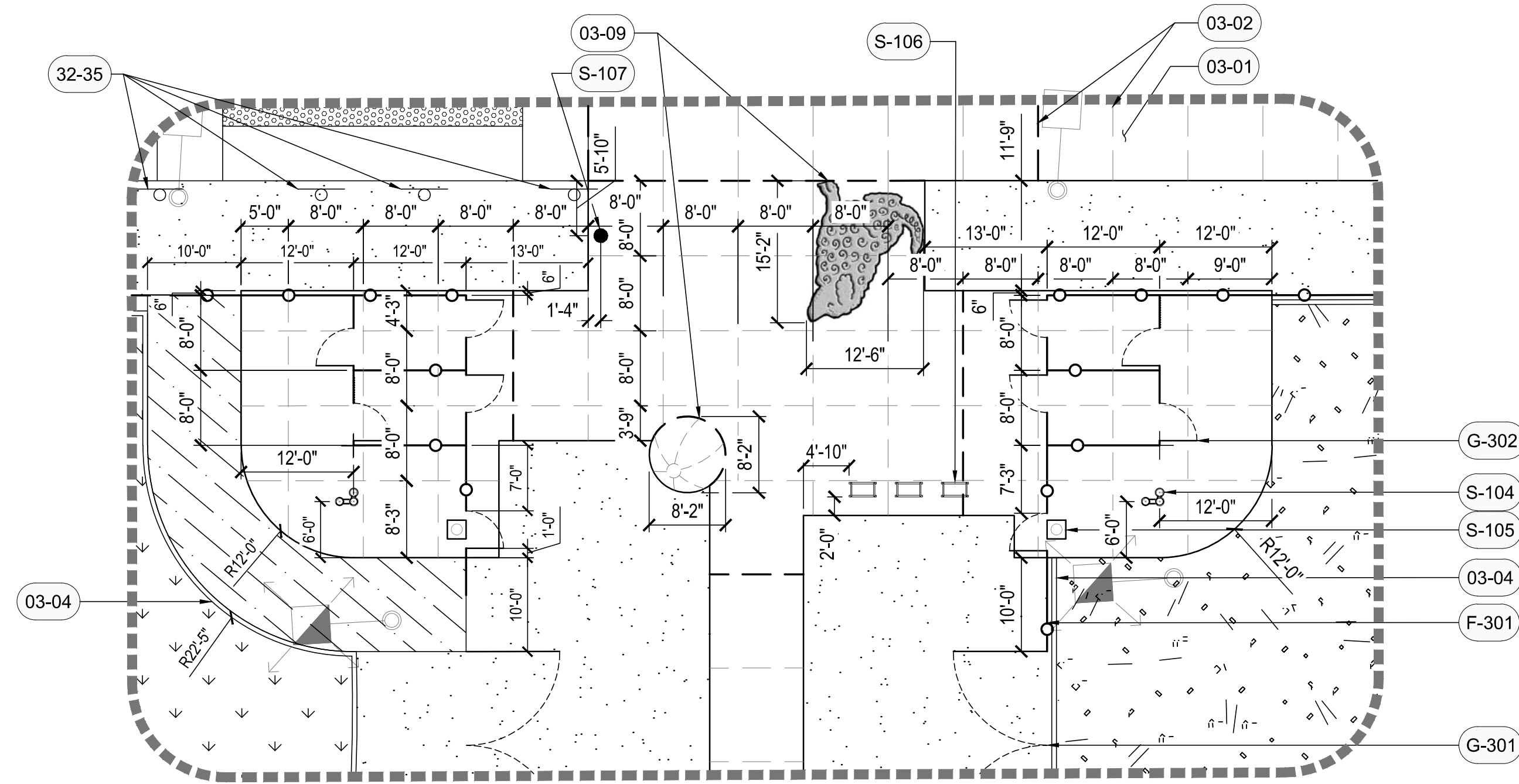


6 ELECTRIC LOCKS AT VESTIBULE GATES

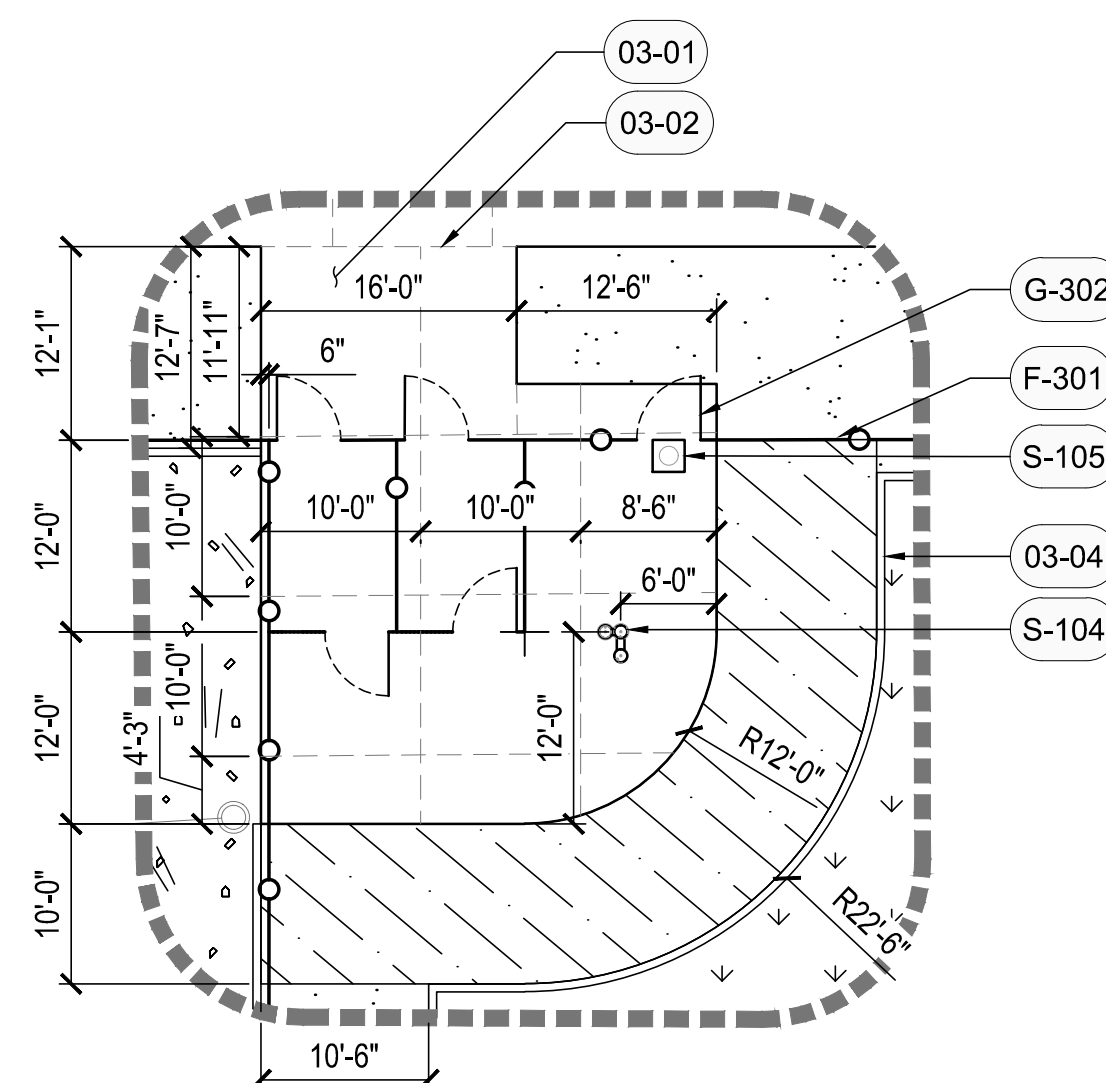
SCALE: NTS

DATE	REVISION	BY
ENGINEER		
PRELIMINARY NOT FOR CONSTRUCTION		PUBLIC WORKS CAPITAL PROJECT MANAGEMENT
7447 E. INDIAN SCHOOL RD. SCOTTSDALE, ARIZONA 85251		
SHEET TITLE HARDSCAPE DETAILS		
PROJECT TITLE ADD A DOG PARK TO THOMPSON PEAK PARK		
SCALE HORIZ. 1" = 20' VERT.	DESIGNED MP DRAWN MP	DATE 2/16/24 AS-BUILT PROJECT NO. 22SQ006
BID NO.		SHT. HD2.4 34 OF 68

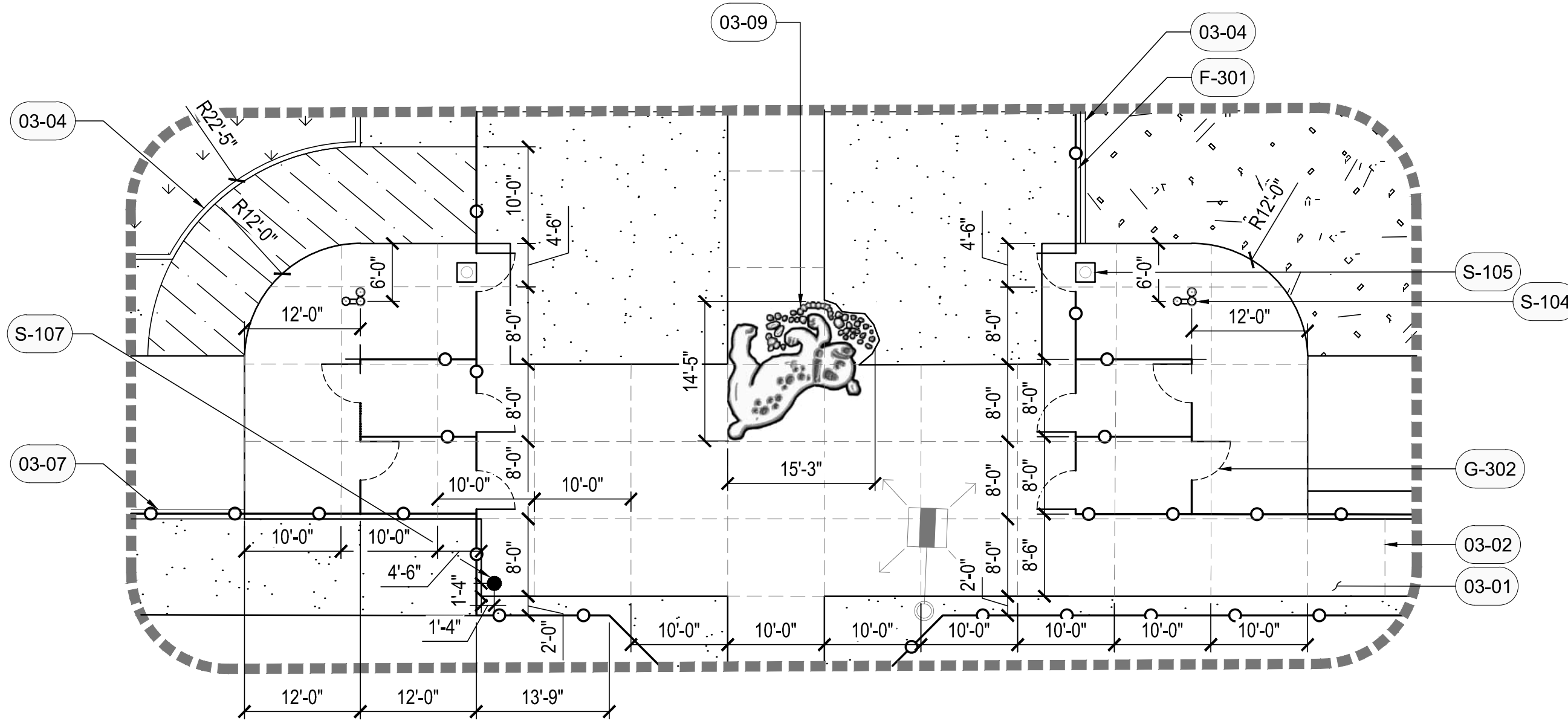




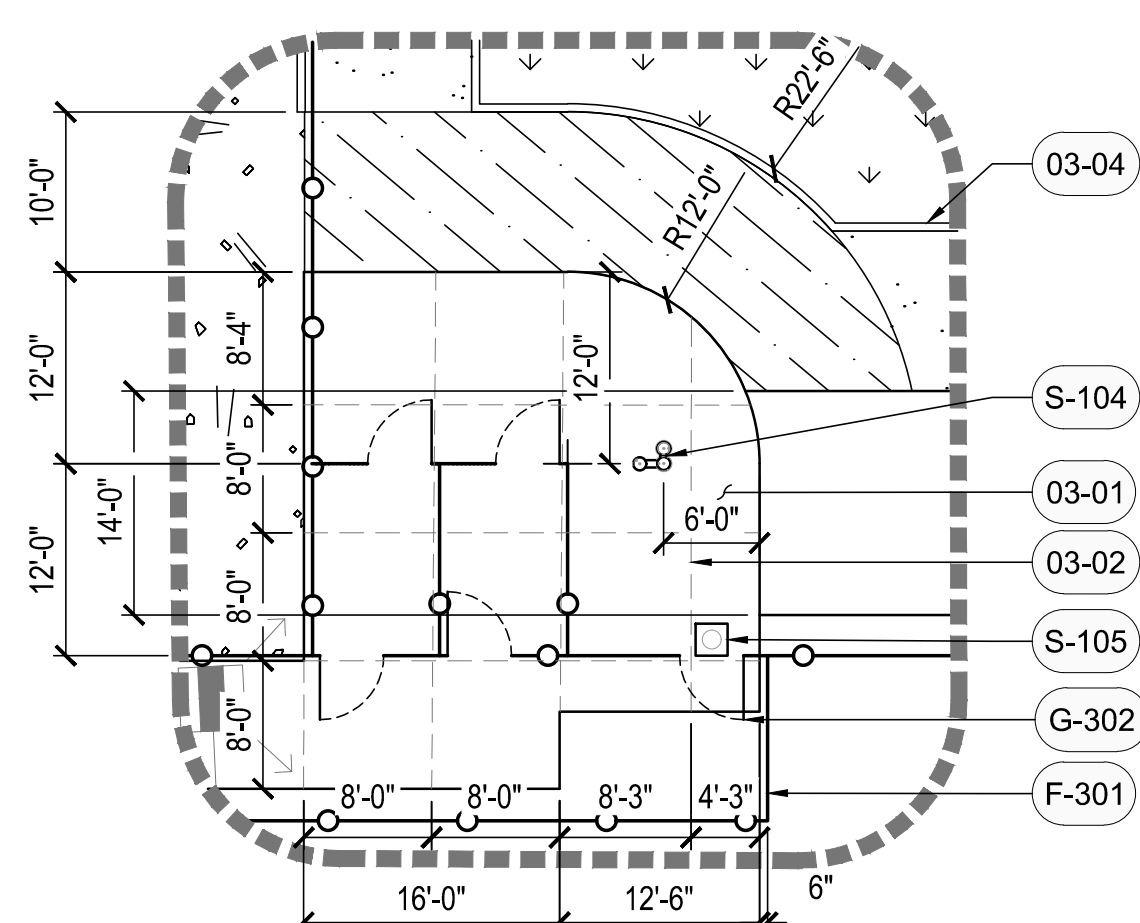
NORTHWEST VESTIBULE PLAN



NORTHEAST VESTIBULE PLAN



SOUTHWEST VESTIBULE PLAN



SOUTHEAST VESTIBULE PLAN

LEGEND	
SYM.	INERT MATERIALS
	1/2" SCREENED DECOMPOSED GRANITE, 2" DEPTH, DESERT GOLD, PER COS STD DTL 2620-1 AND 1/LD2.1
	1/4" MINUS DECOMPOSED GRANITE, 2" DEPTH, DESERT GOLD, PER COS STD DTL 2620-1 AND 1/LD2.1
	WOOD MULCH, 4" DEPTH, PER DTL 1/HD2.1
LIVE MATERIAL	
	TURF GRASS, HYBRID BERMUDA, E-Z TURF MIDIRON

KEYNOTE LEGEND	
NO.	PROPOSED
03-01	CONCRETE SIDEWALK, PER DTL 2-3/HD2.1
03-02	EXPANSION / CONTROL JOINTS, PER DTL 2/HD2.1
03-04	6" CONCRETE HEADER CURB TYP, PER COS STD DTL 2622 AND 5/HD2.4 WHERE OCCURS
03-07	CURB, SEE CIVIL
26-01	SIDEWALK FEATURES W/ COLOR (LITHOCHROME COLOR HARDENER) AND HEAVY SANDBLAST OUTLINE AND DETAILS. ARTWORK TO BE PROVIDED BY THE ARTIST.
26-01	SIGHT LIGHTING (TYP), SEE ELECTRICAL PLANS
32-35	ADA PARKING SIGN, PER DTL 1/HD2.2
F-301	CHAIN LINK FENCE TYP, PER DTL 1/HD2.4
G-301	DOUBLE SWING GATE, PER DTL 3/HD2.4
G-302	SINGLE GATE TYP, PER DTL 2/HD2.4 AND 6/HD2.4
S-104	DRINKING FOUNTAIN, SEE PRODUCT SCHEDULE SHT H1.0, PER DTL 1-2/HD2.3
S-105	PET WASTE STATION, PER DTL 4/HD2.4
S-106	DOUBLE BICYCLE RACK, PER COS STD DTL 2285
S-107	TRASH RECEPTACLE, SEE PRODUCT SCHEDULE SHT H1.0

- NOTES:
1. ALL CONCRETE WORK TO BE DAVIS COLORS #5237 (SAN DIEGO BUFF).
 2. PROVIDE GROUNDING PER DTL 3/HD2.6.

1 ENTRY VESTIBULES

SCALE: 1/2" = 1'-0"



DATE	REVISION	BY
ENGINEER		
PRELIMINARY NOT FOR CONSTRUCTION		PUBLIC WORKS CAPITAL PROJECT MANAGEMENT 7447 E. INDIAN SCHOOL RD. SCOTTSDALE, ARIZONA 85251
SHEET TITLE HARDSCAPE DETAILS		
PROJECT TITLE ADD A DOG PARK TO THOMPSON PEAK PARK		
SCALE HORIZ. 1" = 20'	DESIGNED MP	DATE 2/16/24
VERT.	DRAWN MP	AS-BUILT
PROJECT NO. 22SQ006		SHT. HD2.5 35 OF 68

1 CUSTOM BENCH
SCALE: NTS

2 RETAINING WALL

3 TYPICAL SITE FURNISHING GROUNDING

4 MONUMENT SIGN

SCALE: NTS

Contact Arizona 811 at least two full working days before you begin excavation

ARIZONA811

Call 811 or click Arizona811.com

9-DR-2024
E/15/2024

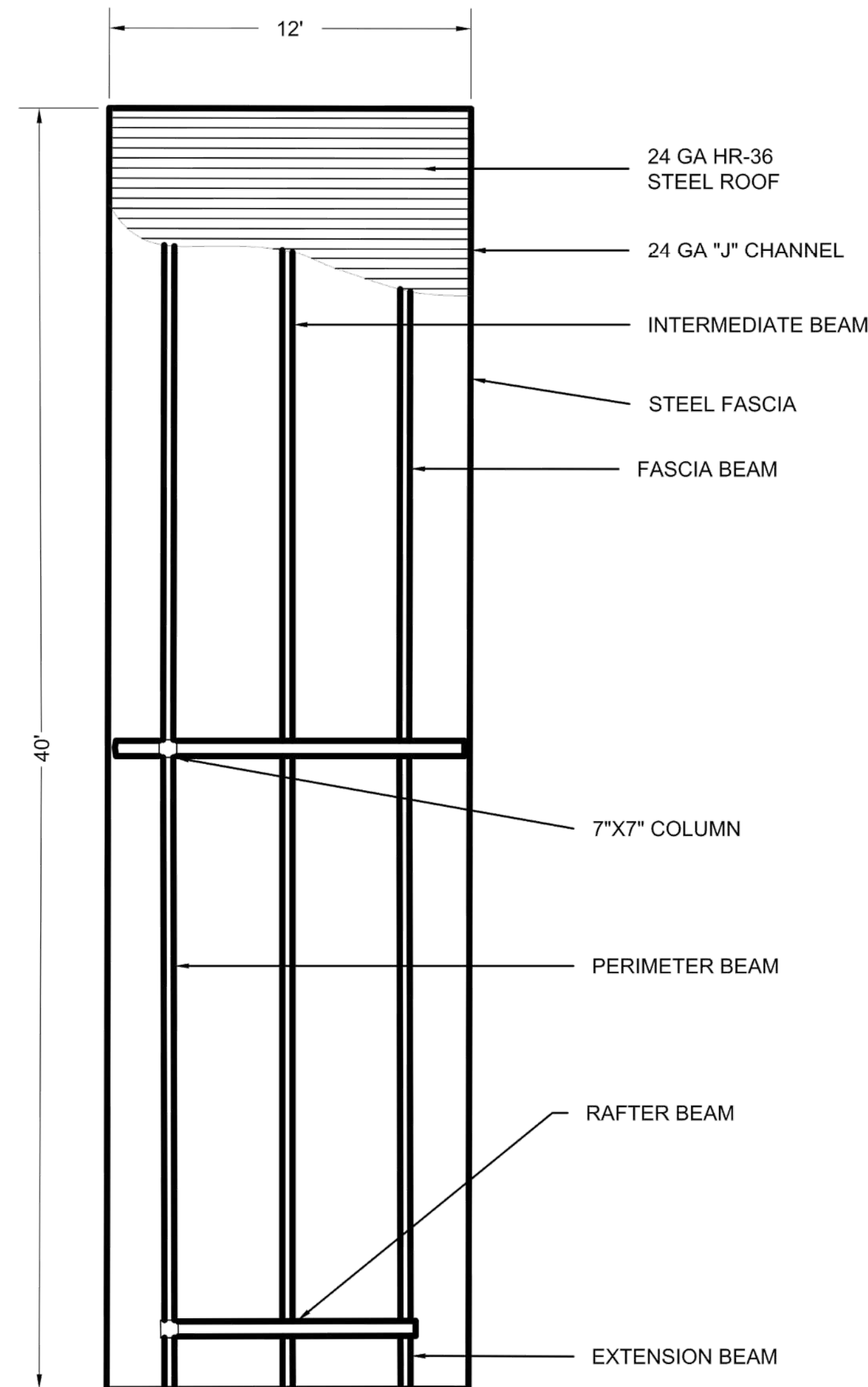
DESIGN FILE: \$\$\$DN\$\$\$

PLOT DATE: \$\$\$DATE\$\$\$

DESIGN FILE: \$\$\$DN\$\$\$



NOT FOR CONSTRUCTION



PLAN VIEW 12'X40' MARANA MODEL

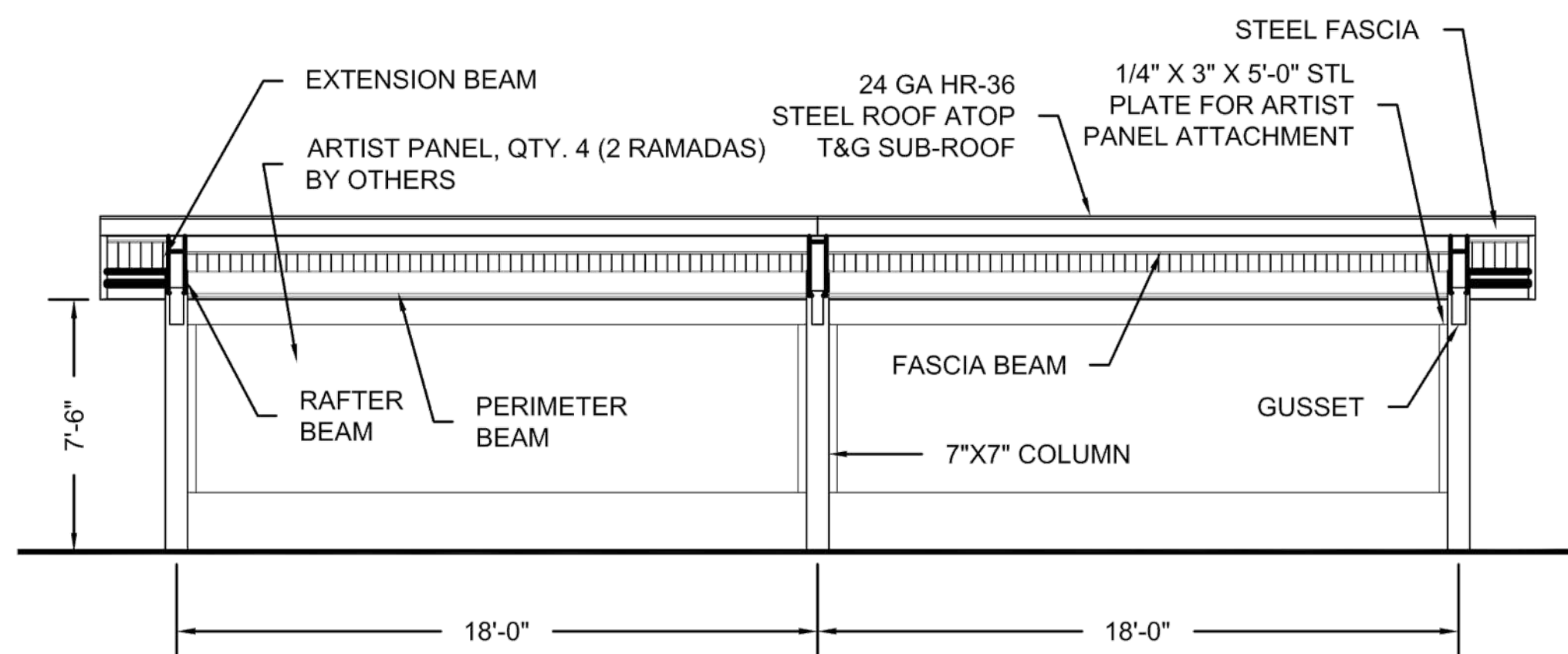
NTS

NOTE:

1. PROVIDE ONE (1) GROUNDING PER DTL 3/HD2.6 AT EACH RAMADA.



NOT FOR CONSTRUCTION

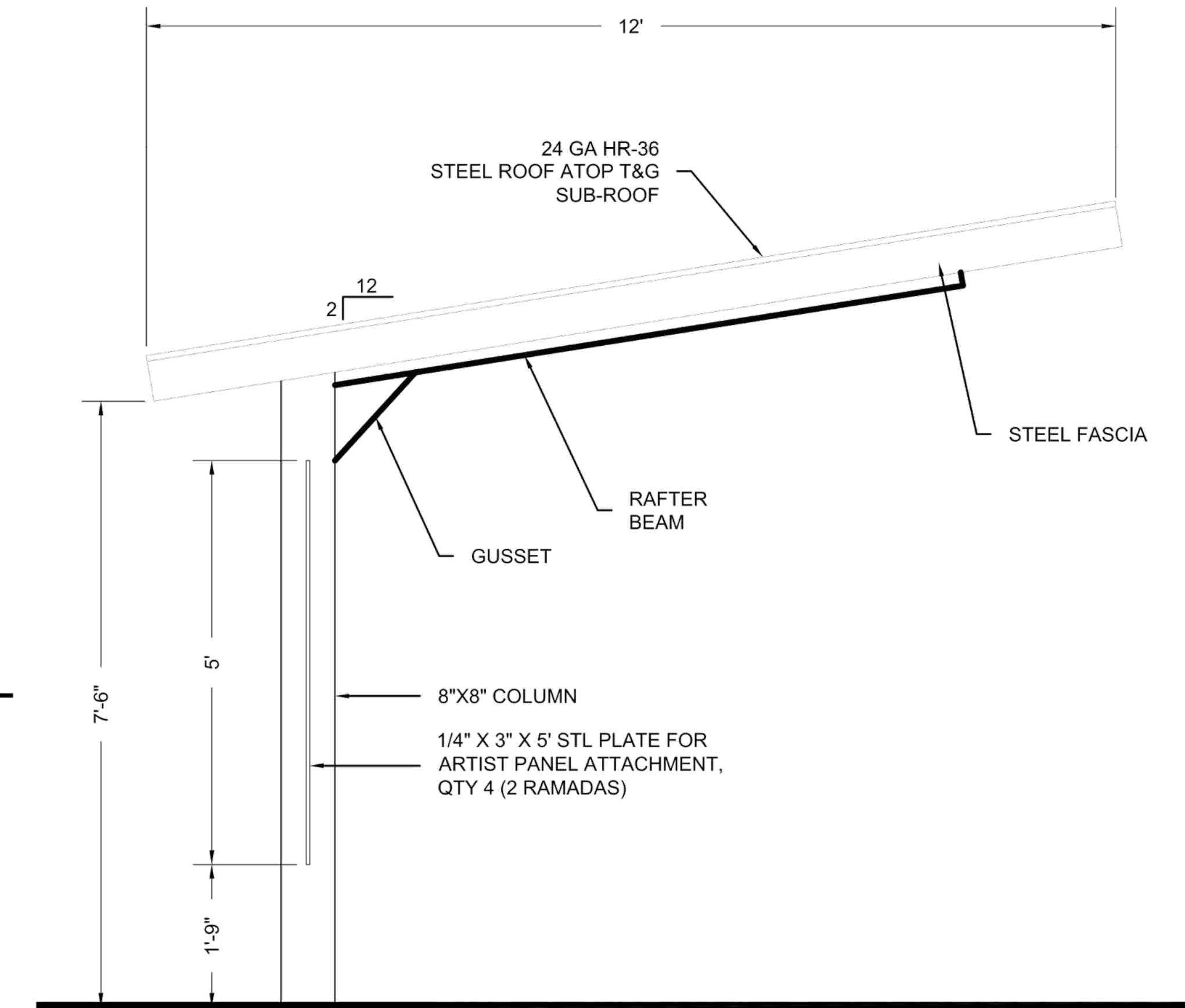


ELEVATION 12'X40' MARANA MODEL

NTS



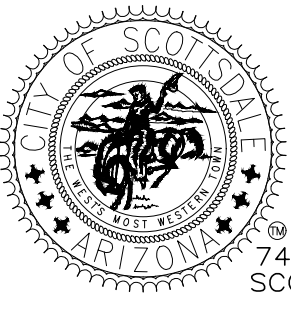
NOT FOR CONSTRUCTION

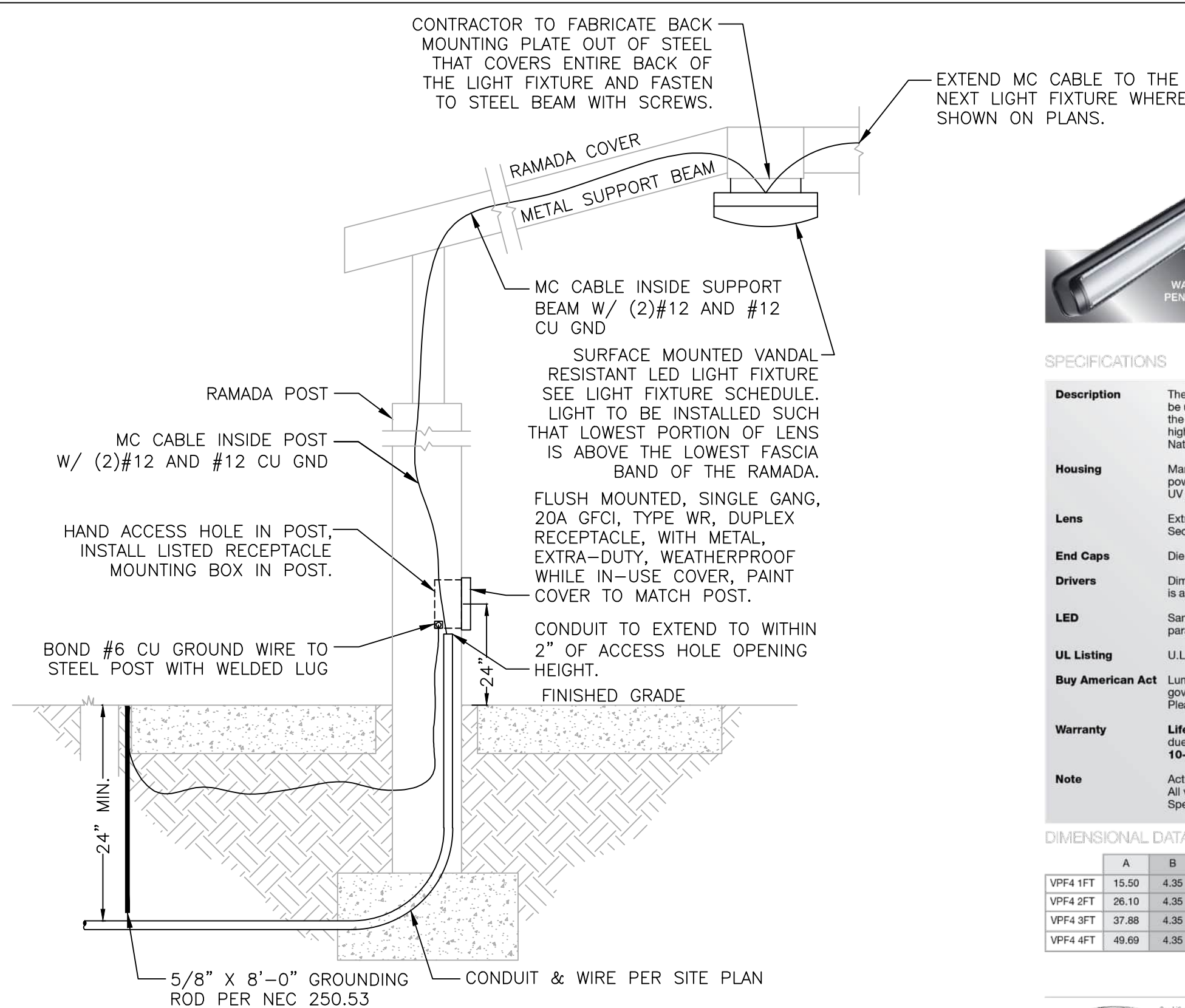


END ELEVATION 12'X40' MARANA MODEL

NTS



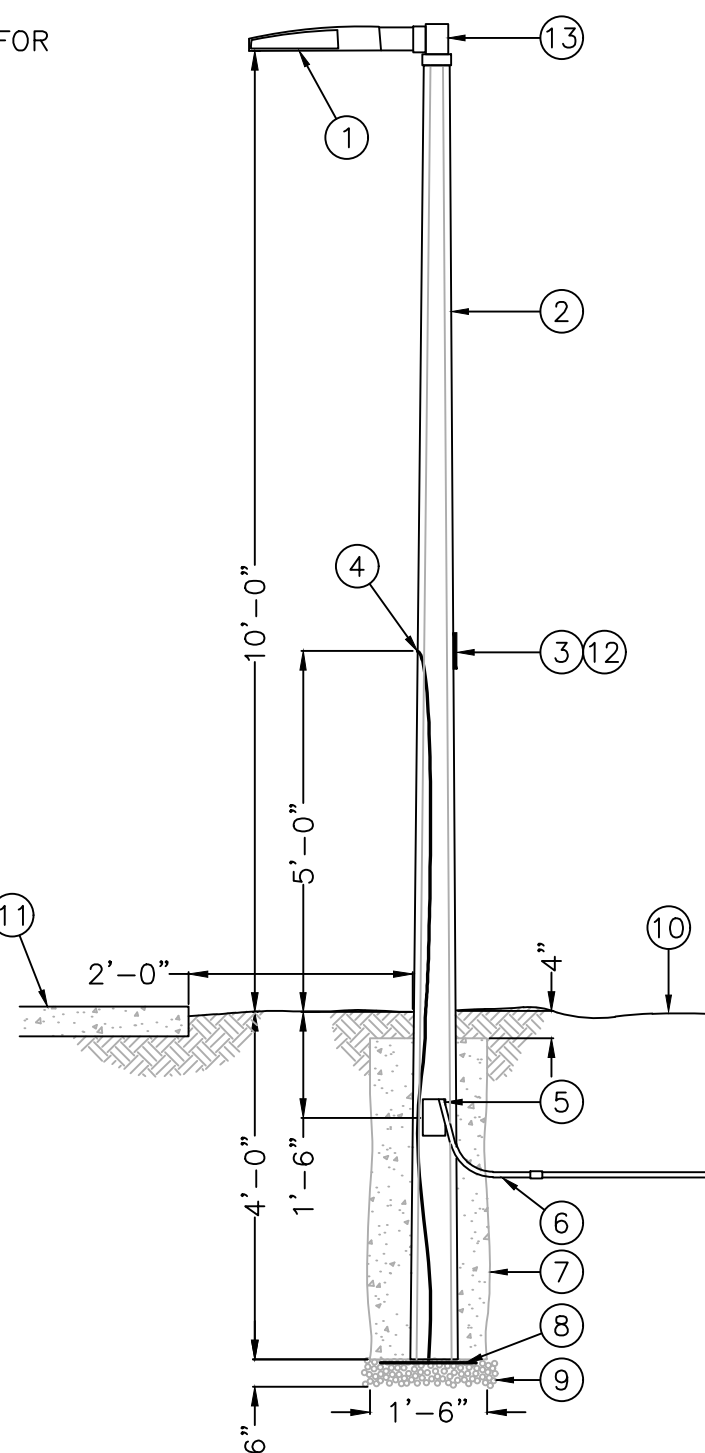
DATE	REVISION	BY
ENGINEER		
PRELIMINARY NOT FOR CONSTRUCTION		PUBLIC WORKS CAPITAL PROJECT MANAGEMENT 7447 E. INDIAN SCHOOL RD. SCOTTSDALE, ARIZONA 85251
SHEET TITLE HARDSCAPE DETAILS		
PROJECT TITLE ADD A DOG PARK TO THOMPSON PEAK PARK		
SCALE HORIZ. 1" = 20'	DESIGNED MP	DATE 2/16/24
VERT.	DRAWN MP	AS-BUILT
PROJECT NO. 22SQ006		SHT. HD2.7 37 OF 68



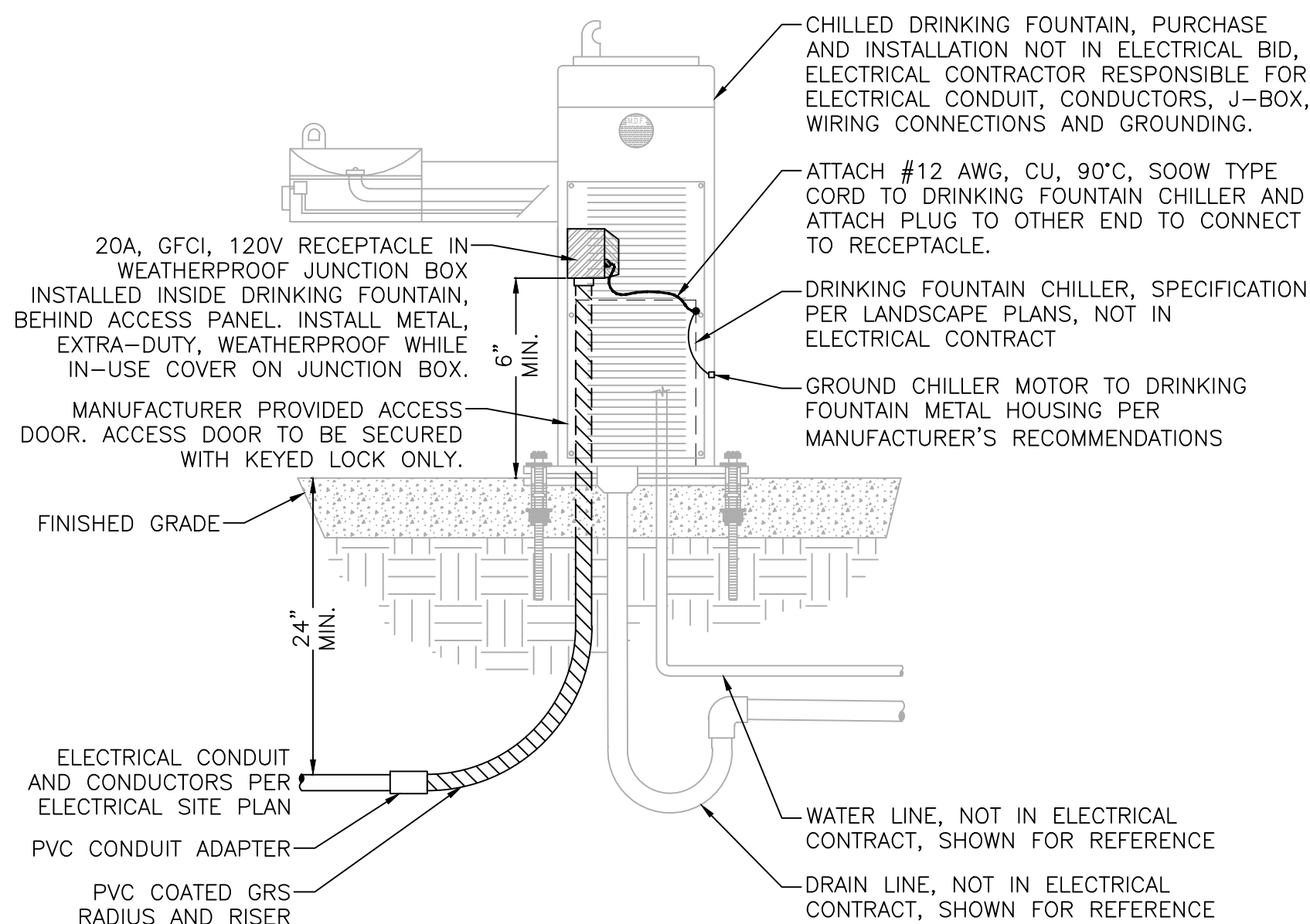
NO SCALE

- ① LED LIGHT FIXTURE, WITHIES PHOTOMETRIC DISTRIBUTION PER LUMINAIRE, SEE LIGHT FIXTURE SCHEDULE FOR SPECIFICATION. PROVIDE 2 CIRCUIT DIMMING PROVISIONS WITH LUMINAIRE.
- ② DIRECT-BURIED, TAPERED, PRE-STRESSED, REINFORCED, SPUN CONCRETE POLE.
FINISHED BY MANUFACTURER OR TRADITIONAL CONCRETE. POLE SHALL HAVE EXPOSED AGGREGATE FINISH WITH ANTI-GRAFFITI SEALER. ALL POLE ARE TO BE PROVIDED FROM THE SAME MANUFACTURER. SEE POLE SCHEDULE FOR SHAPE, COLOR AND HEIGHT SPECIFICATIONS.
- ③ FLUSH MOUNTED HANDHOLE WITH FLUSH, TAMPERPROOF, STAINLESS STEEL SECURITY SCREWS. (BUTTON TORX WITH CENTER PIN). POLE MANUFACTURER TO PLACE HANDHOLE SO THAT IT WILL BE LOCATED ABOVE FINISHED GRADE AT HEIGHT NOTED IN DETAIL TO CENTER OF HANDHOLE AFTER INSTALLATION. INSTALL POLE WITH HANDHOLE FACING AWAY FROM PATH/SIDEWALK, WHERE POSSIBLE. WHERE POLE IS INSTALLED AGAINST WALL, HANDHOLE TO FACE PATH/SIDEWALK.
- ④ POLE MANUFACTURER TO PROVIDE A FACTORY INSTALLED GROUND WIRE WHICH IS CONNECTED TO THE STEEL REINFORCING IN THE POLE. CONNECT THE ELECTRICAL SYSTEM GROUND WIRE TO THIS POLE GROUND WIRE.
- ⑤ APERTURE IN POLE BASE FOR UNDERGROUND WIRING. APERTURE SIZED 1-1/2" BY 5" MINIMUM. PROVIDE TWO (2) EACH POLE AT 180 DEGREES FROM EACH OTHER AND 90 DEGREES FROM HANDHOLE. TAPE OPENINGS PRIOR TO BACKFILLING THE DRILLED HOLE.
- ⑥ PVC SCHEDULE 40 CONDUIT INTO POLE BASE FOR ELECTRICAL BRANCH CIRCUIT. SEE LIGHTING SITE PLAN FOR SIZES AND QUANTITIES. CONDUITS ARE TO BE INSTALLED IN POLE TO A POINT 2" BELOW HANDHOLE OPENING.
- ⑦ AFTER POLE HAS BEEN ALIGNED AND IS PLUMB, BLOCK POLE IN PLACE UNDERGROUND, BACKFILL HOLE WITH CEMENTIOUS EARTH BACKFILL TO A POINT 4" BELOW FINISHED GRADE, BACKFILL THE REMAINING 4" WITH SURROUNDING SOIL. CEMENTIOUS EARTH BACKFILL - MIX TWO PARTS DRY CEMENT POWDER TO FIFTEEN PARTS CLEAN, WASHED SAND.
- ⑧ COIL 20' OF #8 SOLID COPPER BOND. RUN BOND THROUGH POLE TO FACTORY INSTALLED GROUND WIRE IN HAND HOLE.
- ⑨ 1" WASHED RIVER ROCK FOR DRAINAGE, COMPACT BEFORE SETTING POLE.
- ⑩ FINISHED GRADE.
- ⑪ WHERE LIGHTS ARE INSTALLED NEXT TO PATHWAY OR SIDEWALK, MAINTAIN CLEARANCE FROM EDGE TO FACE OF POLE AS SHOWN IN DETAIL.
- ⑫ PROVIDE BUSSMAN #HEB FUSE HOLDER, ON EACH UNGROUNDED CONDUCTOR, WITH 5 AMP FUSES FOR INLINE FUSING, WHERE CIRCUIT IS 'SPICED IN HANDHOLE. MAKE ALL SPICES WITH UL486D WET LISTED WIRE NUTS, EQUAL TO DRYCONN AQUA WATERPROOF CONNECTORS. PROVIDE 18" MINIMUM OF SLACK IN THE CONDUCTORS.
- ⑬ TENON MOUNT SLIPFITTER PROVIDED BY POLE MANUFACTURER, CONTRACTOR TO COORDINATE SIZE OF SLIPFITTER SO THE FIXTURE COVERS ENTIRE TENON DOWN TO THE POLE TOP MOUNTING PLATE. PAINT EXPOSED METAL MOUNTING PLATE ON TENON TO MATCH FIXTURE.




NO SCALE




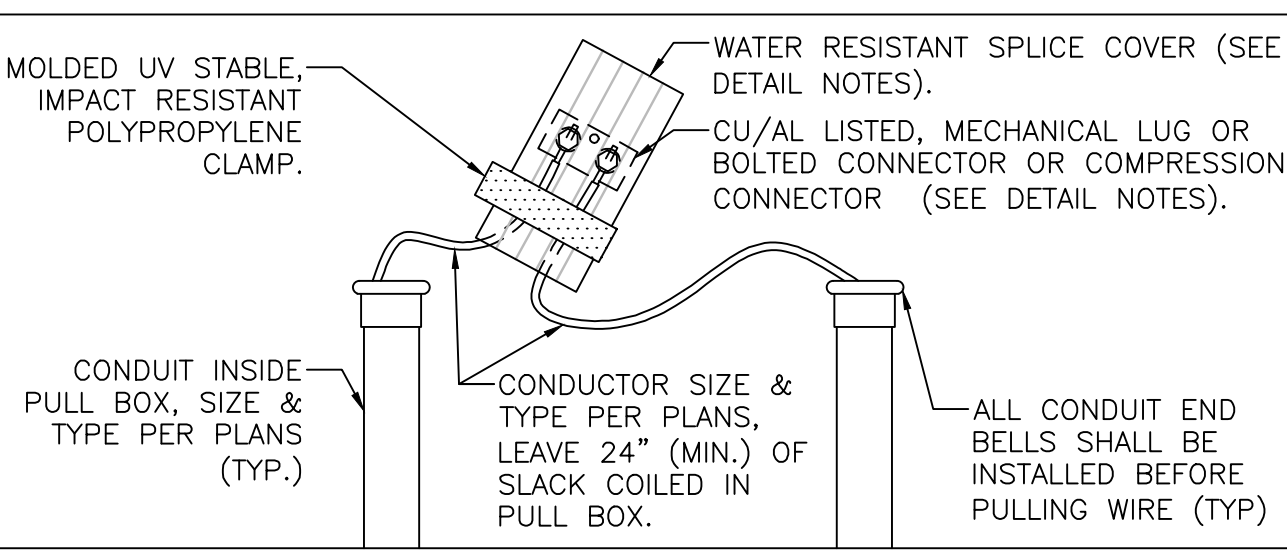
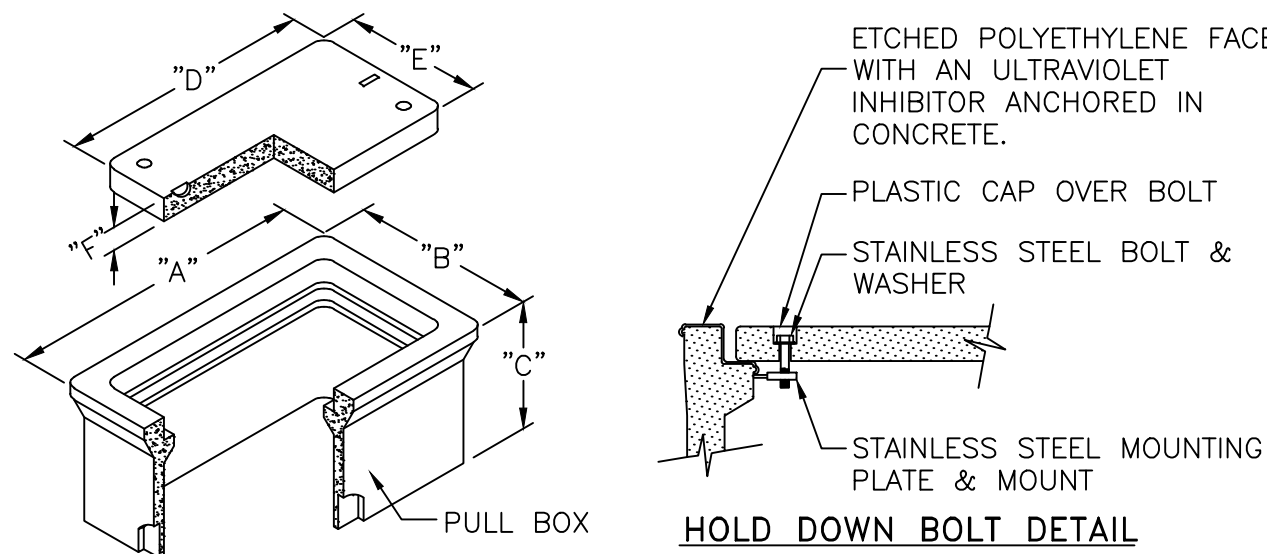
NO SCALE



NOTE: DETAIL OF FOUNTAIN MAY NOT EXACTLY REPRESENT ACTUAL FOUNTAIN SPECIFICATION, BUT IS SHOWN FOR ELECTRICAL EQUIPMENT INSTALLATION ONLY

POLE SCHEDULE											
SYMBOL	LETTER ID	MANUFACTURER	CATALOG NUMBER	DESCRIPTION	HEIGHT ABOVE GROUND	BURY DEPTH	FOUNDATION TYPE	HAND HOLE LOCATION ABOVE GROUND	LUMINAIRE MOUNTING TYPE	COLOR	APPROVED EQUAL
	A	TRADITIONAL CONCRETE	D410 EXPOSED AGGREGATE FINISH ANTI-GRAFFITI SEALER	CONCRETE OCTAGONAL	10'-0"	4'-0"	DIRECT EMBEDDED	5'-0"	TENON	BRONZE	AMERON CONCRETE POLES: MEO-9 EXPOSED AGGREGATE FINISH ANTI-GRAFFITI SEALER
	C	TRADITIONAL CONCRETE	D410 EXPOSED AGGREGATE FINISH ANTI-GRAFFITI SEALER	CONCRETE OCTAGONAL	10'-0"	4'-0"	DIRECT EMBEDDED	5'-0"	TENON	BRONZE	AMERON CONCRETE POLES: MEO-9 EXPOSED AGGREGATE FINISH ANTI-GRAFFITI SEALER
	D	TRADITIONAL CONCRETE	D410 EXPOSED AGGREGATE FINISH ANTI-GRAFFITI SEALER	CONCRETE OCTAGONAL	10'-0"	4'-0"	DIRECT EMBEDDED	5'-0"	TENON	BRONZE	AMERON CONCRETE POLES: MEO-9 EXPOSED AGGREGATE FINISH ANTI-GRAFFITI SEALER

DATE	REVISION			BY
ENGINEER			PUBLIC WORKS CAPITAL PROJECT MANAGEMENT	
90% PLANS PRELIMINARY NOT FOR CONSTRUCTION		7447 E. INDIAN SCHOOL RD. SCOTTSDALE, ARIZONA 85251		
SHEET TITLE				
SITE ELECTRICAL DETAILS				
PROJECT TITLE				
ADD A DOG PARK TO THOMPSON PEAK PARK				
SCALE	DESIGNED	DATE	BID NO.	SHT.
HORIZ. AS	XAG	2/16	XXXX	823
VERT. SHOWN	DRAWN	AS-BUILT	PROJECT NO.	
	XAG	XX/XX	1225Q006	58 of 74



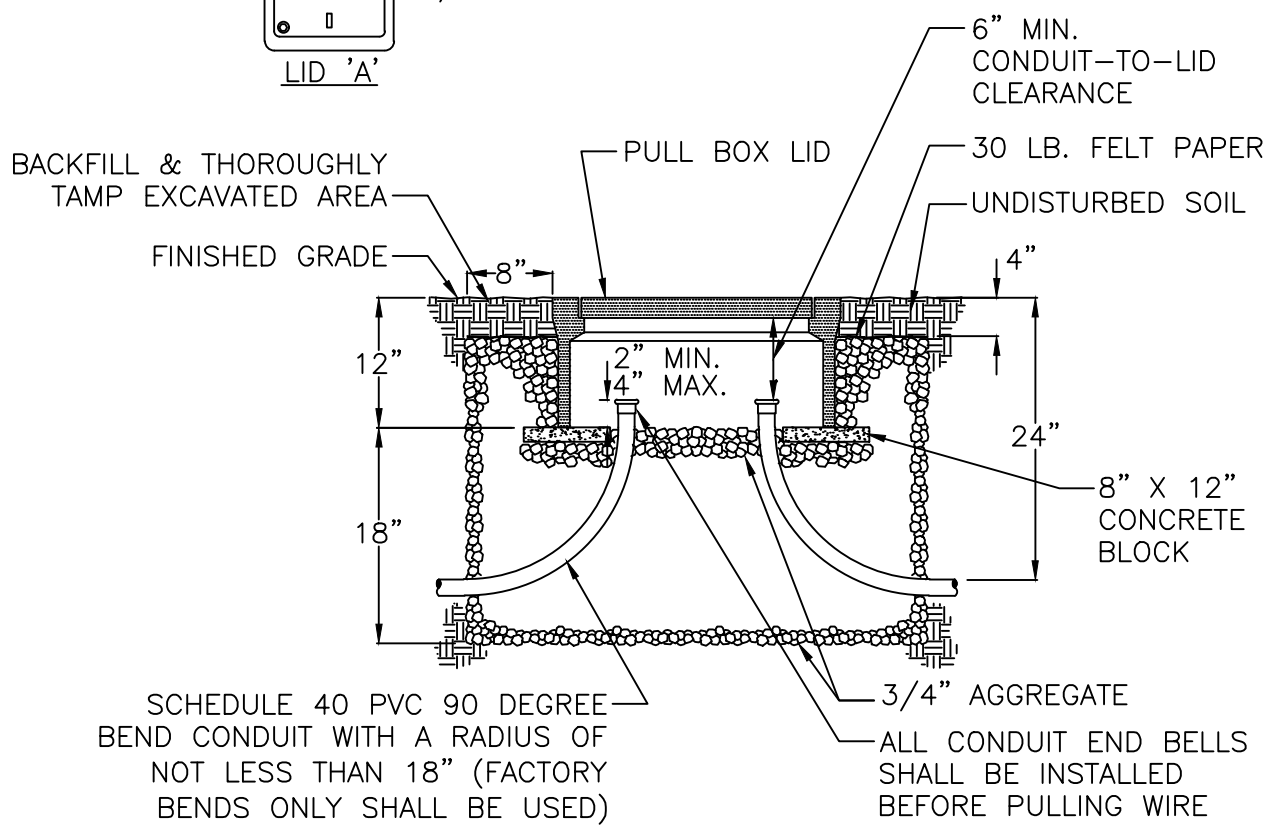
SPICES INSIDE PULL BOX

DETAIL NOTES:

1. THE PULL BOX SHALL BE MADE OF A HIGH DENSITY REINFORCED CONCRETE MATERIAL WITH END & SIDE KNOCKOUTS, & NON-SETTLING SHOULDERS TO MAINTAIN GRADE, MANUFACTURED WITH APPROXIMATE DIMENSIONS AS SHOWN.
2. STEEL REINFORCEMENT SHALL BE AS REGULARLY USED IN STANDARD PRODUCTS OF THE RESPECTIVE MANUFACTURER.
3. COVER LETTERING SHALL BE 1" LETTERS CAST IN STANDARD MARKINGS: "ELECTRIC" OR "HIGH VOLTAGE" OR "COMMUNICATIONS". AS REQUIRED.
4. THE PULL BOX SHALL HAVE AN ETCHED POLYETHYLENE FACE WITH AN ULTRAVIOLET INHIBITOR ANCHORED IN CONCRETE.
5. ALL CABLE & CONDUCTOR SPLICES MADE USING CU/AL LISTED, MECHANICAL LUG OR BOLTED CONNECTOR OR COMPRESSION CONNECTOR, (TYCO ELECTRONICS, NSI INDUSTRIES, ILSCO OR APPROVED EQUAL). CONNECTION TO BE INSULATED & MADE WATER RESISTANT WITH TYCO ELECTRONICS GELCAP-SL, NSI INDUSTRIES ESSLK-2/0 OR 3M SCOTCHCAST SPLICE KIT 85 SERIES.

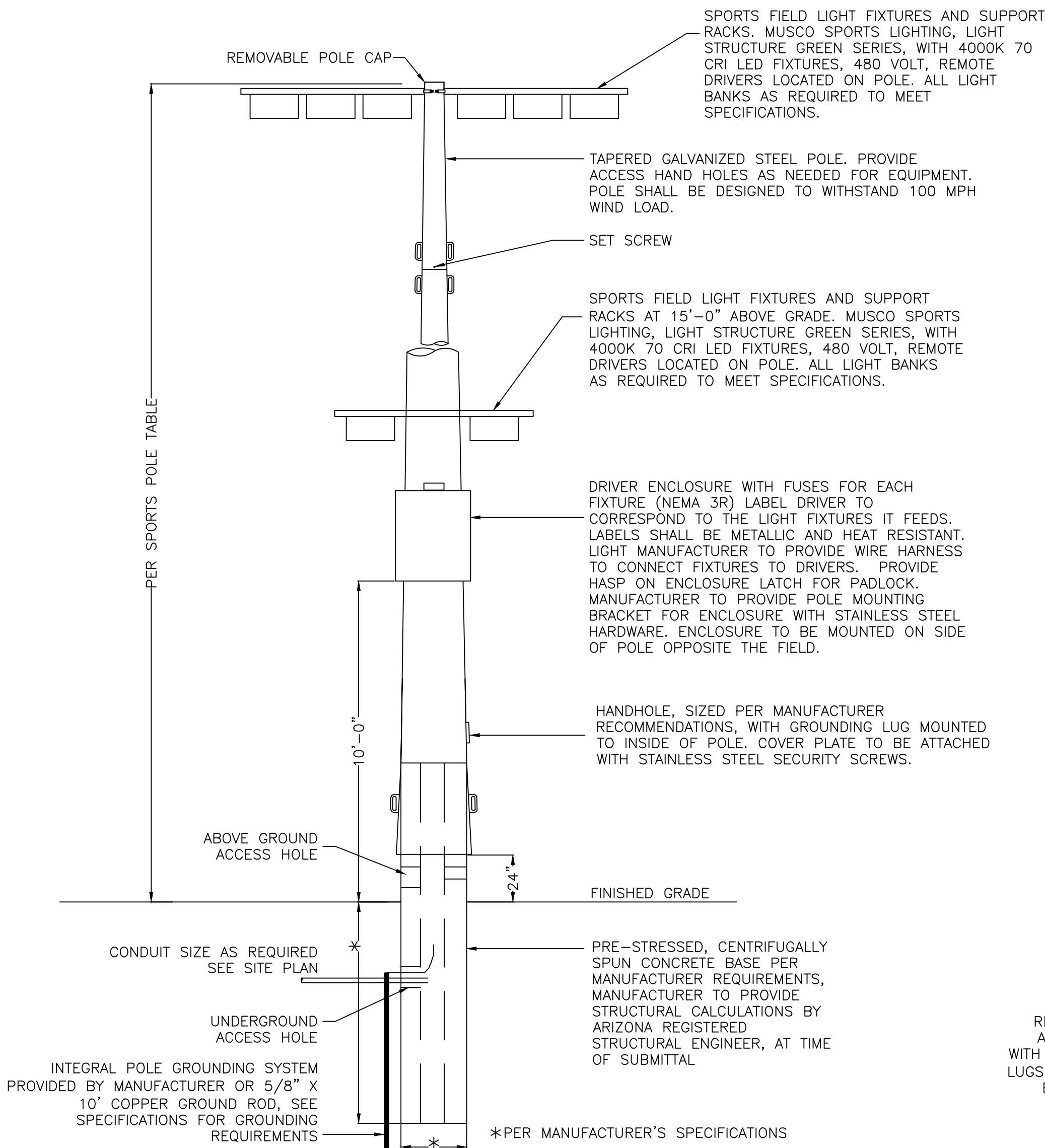
DATA TABLE							
PULLBOX TYPE	PULLBOX LENGTH	PULLBOX WIDTH	PULLBOX HEIGHT	LID LENGTH	LID WIDTH	LID HEIGHT	
	"A"	"B"	"C"	"D"	"E"	"F"	
#3-1/2	19-3/4"	14-1/4"	12"	15-1/2"	10"	1-3/4"	
#5	25-1/8"	15-5/8"	12"	20-3/4"	10-5/8"	2"	
#7	35"	22"	12"	30-1/2"	17-1/2"	2"	
#9	40-1/2"	28-1/4"	18"	35-1/2"	24"	3"	

6 PULL BOX INSTALLATION
NO SCALE

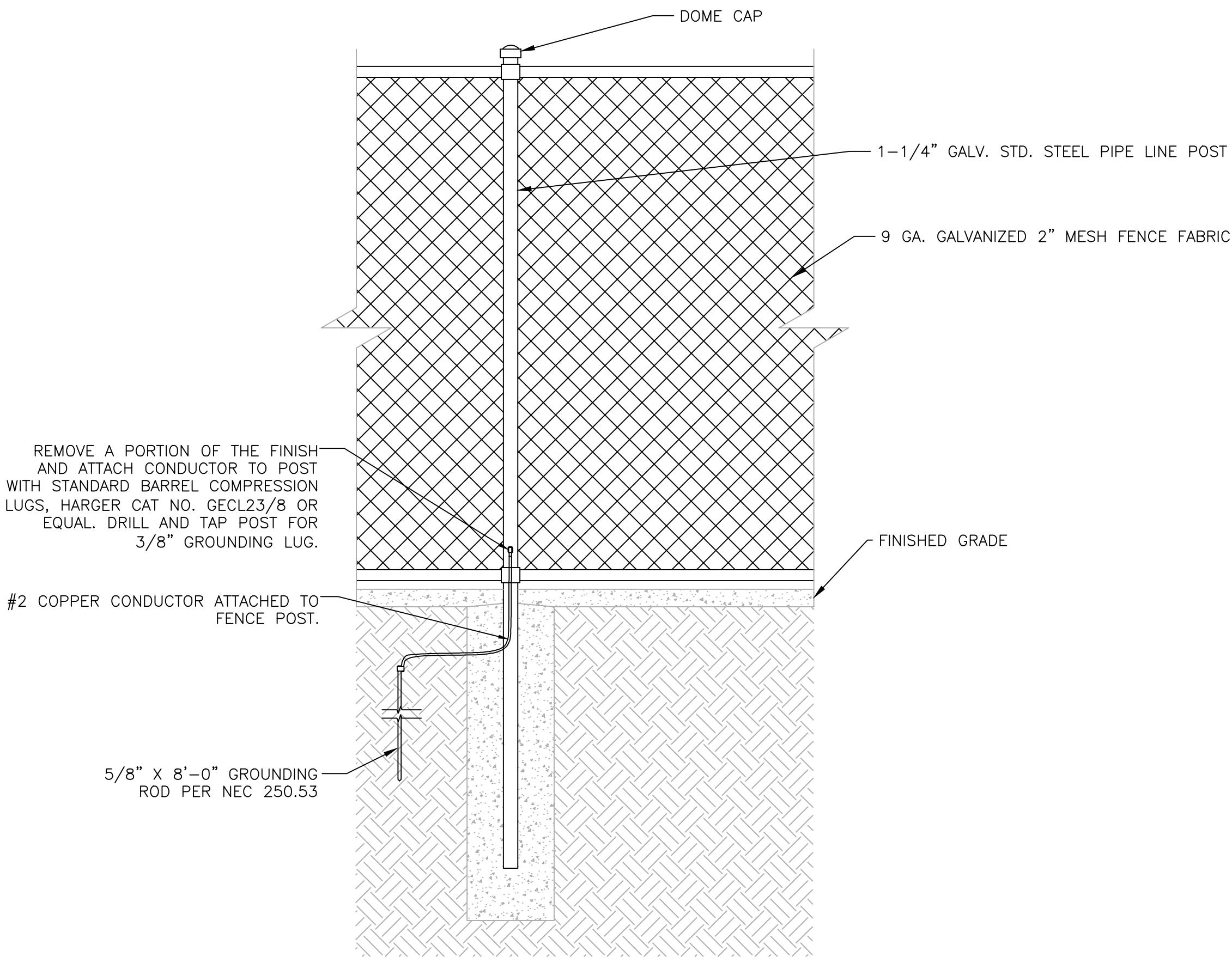


GENERAL GROUNDING NOTES

1. ALL MAIN SIZE GROUND CONDUCTORS SHALL BE STRANDED COPPER, FOR CLASS I SIZED AT 2 AWG WITH A MINIMUM STRAND SIZE OF 17 AWG AND MINIMUM WEIGHT OF 187 LB/1000 FT; FOR CLASS II SIZED AT 2/0 AWG WITH A MINIMUM STRAND SIZE OF 15 AWG AND MINIMUM WEIGHT OF 375 LB/1000 FT.
2. ALL GROUND RODS SHALL BE COPPER SIZE 5/8"Ø X 8' LONG WITH A RESISTANCE PER NEC 250.53. ADD ADDITIONAL RODS TO SYSTEM AS REQUIRED. MINIMUM DISTANCE BETWEEN GROUND RODS SHALL BE 20 FEET. GROUND RODS SHALL BE FREE OF PAINT OR OTHER NONCONDUCTIVE COATINGS. REFER TO NFPA 780 SECTION 4.13 FOR REQUIREMENTS.
3. ALL GROUND ROD CONNECTIONS REQUIRE 1-1/2" OF SURFACE CONTACT BETWEEN CONDUCTOR AND GROUND ROD.
4. ALL CONNECTIONS SHALL BE MECHANICAL PRESSURE TYPE CLAMPS, CADWELD TYPE CONNECTIONS, OR BONDING PLATES.
5. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIAL, ETC. NECESSARY FOR A COMPLETE AND WORKABLE ELECTRICAL GROUNDING SYSTEM WHETHER OR NOT THESE ITEMS ARE SPECIFICALLY NOTED ON THESE DRAWINGS. INCIDENTAL ITEMS NOT INDICATED ON THE DRAWINGS, NOR MENTIONED IN SPECIFICATIONS THAT CAN BE LEGITIMATELY AND REASONABLY INFERRED TO BELONG TO THE WORK DESCRIBED OR BE NECESSARY IN GOOD PRACTICE TO PROVIDE A COMPLETE SYSTEM, SHALL BE FURNISHED AND INSTALLED AS THOUGH ITEMIZED HERE IN EVERY DETAIL.
6. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIAL, ETC. NECESSARY FOR A COMPLETE UNDERGROUND ELECTRICAL GROUNDING SYSTEM.
7. ALL TRENCHING AND BURYING OF GROUND RODS SHALL BE ROUTED AND INSTALLED IN SUCH A MANNER THAT WILL NOT DAMAGE EXISTING FACILITIES. SHOULD DAMAGE OCCUR, IT WILL BE THE CONTRACTORS RESPONSIBILITY TO REPAIR DAMAGE TO THE SATISFACTION OF THE CITY INSPECTOR.
8. PRIOR TO COVERING ANY ELECTRICAL CONNECTIONS, CONTACT THE INSPECTION DEPARTMENT 24 HOURS IN ADVANCE FOR APPROVAL.
9. SUBMIT SHOP DRAWINGS ON THE FOLLOWING EQUIPMENT TO THE OWNER AND TO THE ENGINEER: 1) GROUND CABLE, 2) GROUND RODS, AND 3) ALL CONNECTING METHODS (CLAMPS, CADWELD, ETC.)




7 LED SPORTS FIELD LIGHT DETAIL FOR NEW POLES
NO SCALE

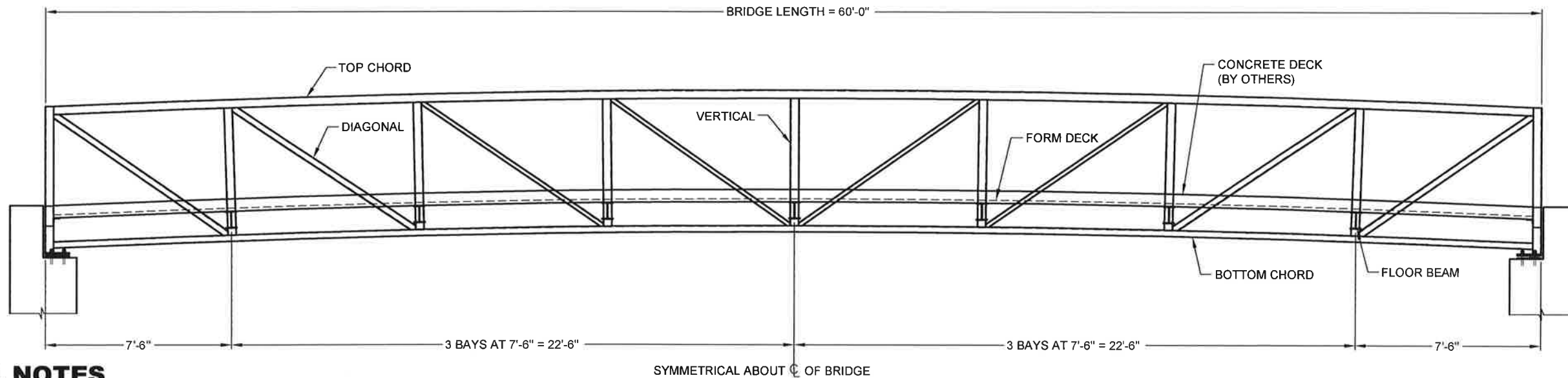


8 FENCE GROUNDING DETAIL
NO SCALE

WRIGHT
engineering corporation
ELECTRICAL ENGINEERING AND DESIGN
165 EAST CHILTON DRIVE
CHANDLER, ARIZONA 85225
PHONE: 480.497.5829
FAX: 480.497.5807
www.wrightengineering.us
Wright Project # 22408

Contact Arizona 811 at least two full working days before you begin excavation
ARIZONA811
Call 811 or click Arizona811.com

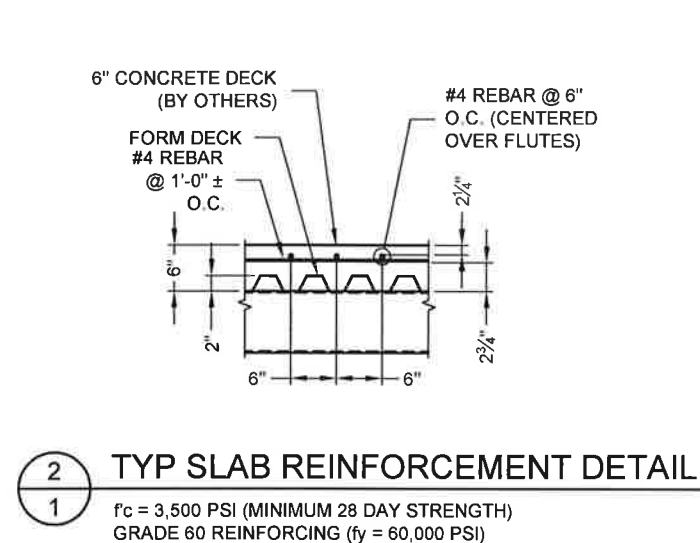
DATE	REVISION	BY
ENGINEER	90% PLANS PRELIMINARY NOT FOR CONSTRUCTION	
		PUBLIC WORKS CAPITAL PROJECT MANAGEMENT 7447 E. INDIAN SCHOOL RD. SCOTTSDALE, ARIZONA 85251
SHEET TITLE SITE ELECTRICAL DETAILS		
PROJECT TITLE ADD A DOG PARK TO THOMPSON PEAK PARK		
SCALE HORIZ. AS VERT. SHOWN	DESIGNED XAG DRAWN XAG	DATE 2/16 AS-BUILT XX/XX
BID NO. XXXX		SHT. 5234
PROJECT NO. 2250006		60 OF 74



BRIDGE ELEVATION

GENERAL NOTES

- DESIGN PROCEDURE IS IN ACCORDANCE WITH "LRFD BRIDGE DESIGN SPECIFICATIONS" 6TH EDITION & "GUIDE SPECIFICATIONS FOR DESIGN OF PEDESTRIAN BRIDGES" BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (AASHTO) 2009.
- BRIDGE MEMBERS ARE FABRICATED FROM HIGH STRENGTH, LOW ALLOY, ENHANCED ATMOSPHERIC CORROSION RESISTANT ASTM A847 COLD-FORMED WELDED SQUARE AND RECTANGULAR TUBING, AND ASTM A588, ASTM A606, OR ASTM A242 PLATE AND STRUCTURAL SHAPES ($F_y=50,000$ PSI).
- CONCRETE DECK: GALVANIZED FORM DECK SUPPLIED BY CONTECH. CONCRETE, REINFORCING AND EXPANSION MATERIAL SUPPLIED BY OTHERS. SEE CONCRETE DECK SHEET.
- THE GAS METAL ARC WELDING PROCESS OR FLUX CORED ARC WELDING PROCESS WILL BE USED. WELDING TO BE IN ACCORDANCE WITH AWS D1.1.
- ALL TOP AND BOTTOM CHORD SHOP SPLICES TO BE COMPLETE PENETRATION TYPE WELDS. WELD BETWEEN TOP CHORD AND END VERTICAL SHALL BE AS DETAILED.
- UNLESS OTHERWISE NOTED, WELDED CONNECTIONS SHALL BE FILLET WELDS (OR HAVE THE EFFECTIVE THROAT OF A FILLET WELD) OF A SIZE EQUAL TO THE THICKNESS OF THE LIGHTEST GAGE MEMBER IN THE CONNECTION. WELDS SHALL BE APPLIED AS FOLLOWS:
 - BOTH ENDS OF VERTICALS, DIAGONALS, AND FLOOR BEAMS SHALL BE WELDED ALL AROUND.
 - BRACE DIAGONALS WILL BE WELDED ALL AROUND.
 - MISCELLANEOUS NON-STRUCTURAL MEMBERS WILL BE STITCH WELDED TO THEIR SUPPORTING MEMBERS.
- BRIDGE DESIGN WAS ONLY BASED ON COMBINATIONS OF THE FOLLOWING LOADS WHICH WILL PRODUCE MAXIMUM CRITICAL MEMBER STRESSES.
 - 85 PSF UNIFORM LIVE LOADING ON THE FULL DECK AREA OR ONE 10,000 LB VEHICLE LOAD. THE LOAD SHALL BE DISTRIBUTED AS A FOUR-WHEEL VEHICLE WITH 80% OF THE LOAD ON THE REAR WHEELS. THE WHEEL TRACK WIDTH OF THE VEHICLE SHALL BE 6'-0" AND THE WHEEL BASE SHALL BE 10'-0". THE VEHICLE SHALL BE POSITIONED SO AS TO PRODUCE THE MAXIMUM STRESSES IN EACH MEMBER, INCLUDING DECKING.
 - 35 PSF WIND LOAD ON THE FULL HEIGHT OF THE BRIDGE, AS IF ENCLOSED.
 - 20 PSF UPWARD FORCE APPLIED AT THE WINDWARD QUARTER POINT OF THE TRANSVERSE BRIDGE WIDTH (AASHTO 3.8.2).
- CLEANING: ALL EXPOSED SURFACES OF STEEL SHALL BE CLEANED IN ACCORDANCE WITH STEEL STRUCTURES PAINTING COUNCIL SURFACES PREPARATION SPECIFICATIONS NO. 7 BRUSH-OFF BLAST CLEANING. SSPC-SP7-LATEST EDITION.
- MINIMUM MATERIAL THICKNESS OF 1/4" ON ALL STRUCTURAL MEMBERS.



TYP SLAB REINFORCEMENT DETAIL

$f'_c = 3,500$ PSI (MINIMUM 28 DAY STRENGTH)
GRADE 60 REINFORCING ($f_y = 60,000$ PSI)

COMBINE REACTIONS AS PER LOCAL OR GOVERNING BUILDING CODES AS REQUIRED

BRIDGE REACTIONS	* DOWNWARD LOAD - UPWARD LOAD		
	P (LBS)	H (LBS)	L (LBS)
DEAD LOAD ②	12,525		
UNIFORM LIVE LOAD	13,500		
VEHICLE LOAD	5,000		
WIND UPLIFT 20 PSF		-4,875	
WIND		-1,825	
WIND	±1,925	5,995	
THERMAL ②			1,880

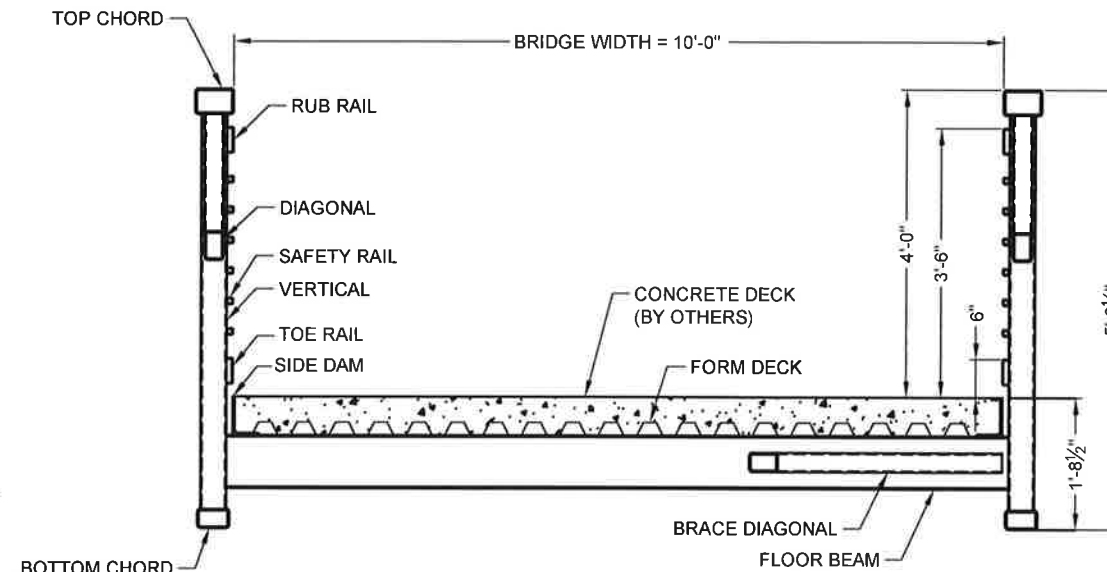
P - VERTICAL LOAD EACH BASE PLATE (4 PER BRIDGE)
H - HORIZONTAL LOAD EACH FOOTING (2 PER BRIDGE)
L - LONGITUDINAL LOAD EACH BASE PLATE (4 PER BRIDGE)

① BRIDGE LIFTING WEIGHT: 13,500 LBS

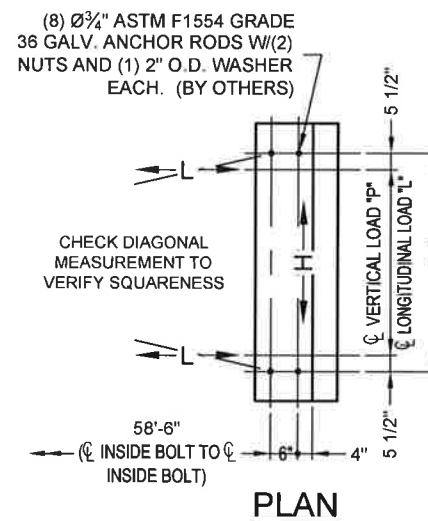
BRIDGE FINAL WEIGHT: 50,100 LBS

① DOES NOT INCLUDE CONCRETE WEIGHT

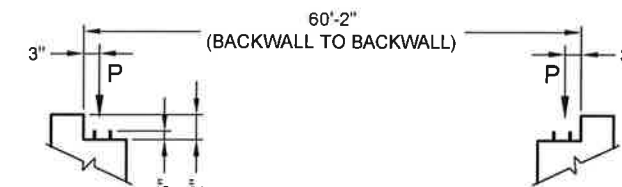
② INCLUDES CONCRETE WEIGHT



BRIDGE SECTION



PLAN



ANCHOR BOLT ELEVATION

CONTECH
CONTRACT
DRAWING



60'-0" X 10'-0"
AASHTO EXPRESS
PEDESTRIAN BRIDGE
STANDARD CONCRETE DECK

CONTECH
ENGINEERED SOLUTIONS LLC
www.conteches.com
8301 State Highway 28 North, Alexandria, MN 56004
800-328-2047 320-852-7500 320-852-7067 FAX

DATE: 10/22/2014
DESIGNED: XXX DRAWN: JNG
CHECKED: XXX APPROVED: XXX
PROJECT No.: SEQUENCE No.: 001
SHEET: 1 OF 1