

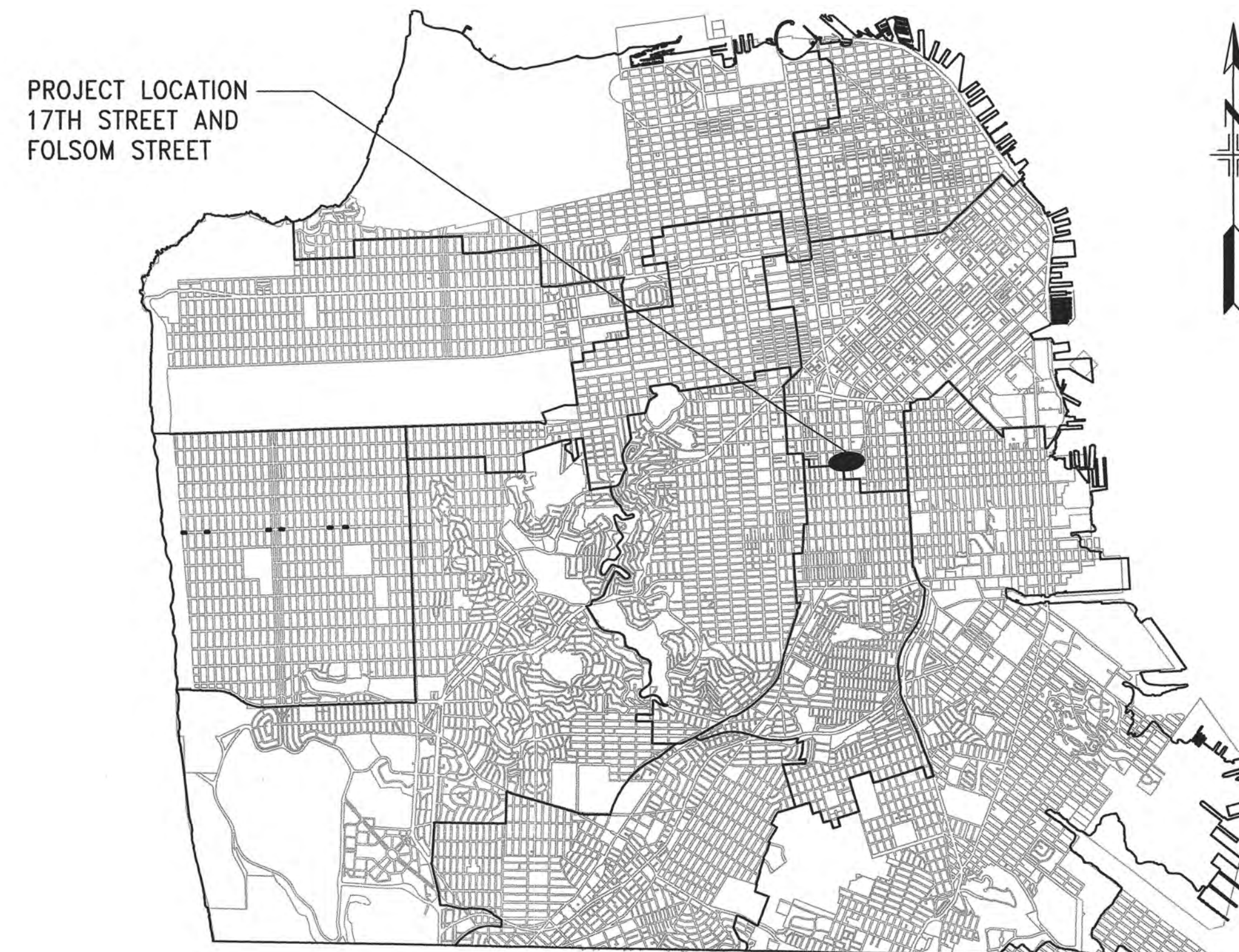
17th & FOLSOM STREET PARK

A RECREATION AND PARK COMMISSION PROJECT

**CONTRACT NO. 3054V
(ID NO. FCP# 15129)**



STREET VIEW - FOLSOM AND 17TH ST. LOOKING WEST



LOCATION MAP

REQUIREMENTS TO BIDDERS

1. IN ACCORDANCE WITH THE PROVISIONS OF THE CALIFORNIA PUBLIC CONTRACT CODE SECTION 3300, A BID SUBMITTED TO A PUBLIC AGENCY BY A CONTRACTOR WHO IS NOT LICENSED IN ACCORDANCE WITH CHAPTER 9 OF THE BUSINESS AND PROFESSIONS CODE SHALL BE CONSIDERED NON-RESPONSIVE AND SHALL BE REJECTED BY THE PUBLIC AGENCY.
2. AT THE TIME OF BID OPENING, THE CONTRACTOR SHALL POSSESS A VALID CLASS "A" CALIFORNIA GENERAL ENGINEERING CONTRACTOR'S LICENSE.

BUILDING
DESIGN & CONSTRUCTION



DEPARTMENT OF PUBLIC WORKS
CITY AND COUNTY OF SAN FRANCISCO

30 Van Ness Avenue Suite 4100
San Francisco, CA (415) 557-4700
94102-6028 Fax (415) 557-4701

Project _____

17th AND FOLSOM STREET
PARK

2080 FOLSOM STREET
SAN FRANCISCO, CA 94110

Consultant _____

Issue _____

100% BID SET

No.	Date	Revisions
1		
2		
3		

Drawn EB/KQ
Check *sh*
Landscape Arch. EC
Sr. Arch. *[Signature]*



Landscape Architect

Drawing Title _____

COVER SHEET

Sheet No. _____

G-0.0

Job No. 3054V

SHEET INDEX

GENERAL

SHEET NO.	TITLE
G-0.0	COVER SHEET
G-0.1	SHEET INDEX
G-0.2	ADA COMPLIANCE FORMS
G-0.3	ACCESSIBLE PATH OF TRAVEL

LANDSCAPE WORK

L-0.0	LANDSCAPE GENERAL NOTES AND ABBREVIATIONS
L-0.1	SITE PLAN
L-0.2	ALTERNATE PLAN
L-0.3	EXCAVATION PLAN
L-0.4	IMPORT MATERIAL PLAN
L-1.0	EXISTING CONDITIONS & DEMOLITION PLAN
L-2.0	LAYOUT PLAN - LINE AND CURVE TABLE
L-2.1 TO L-2.2	LAYOUT PLAN - ENLARGED
L-3.0	GRADING & DRAINAGE PLAN
L-4.0	PAVING PLAN
L-5.0	DETAIL REFERENCE PLAN
L-5.1	PLAY EQUIP. & SITE FURN. REFERENCE PLAN
L-5.2	DETAIL REFERENCE PLAN FENCE AND GATE PLAN
L-6.0	IRRIGATION PLAN,
L-6.1 TO L-6.3	IRRIGATION DETAILS
L-7.0	PLANTING PLAN
L-7.1	PLANTING LEGEND
L-7.2	PLANTING DETAILS
L-8.0 TO L-8.15	CONSTRUCTION DETAILS

CIVIL WORK

C-1.0	SHOTWELL STREET CURB AND GUTTER
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STRUCTURAL WORK

S-1.0	GENERAL NOTES - 1
S-1.1	GENERAL NOTES - 2
S-1.2	GENERAL NOTES - 3
S-1.3	TYPICAL CONCRETE DETAILS
S-1.4	TYPICAL CONCRETE DETAILS
S-4.1	ELEVATIONS AND DETAILS
S-4.2	ARBOR PLAN & ELEVATION
S-4.3	ARBOR DETAILS
S-4.4	WATER JET PLAN & DETAILS

MECHANICAL WORK

M-0.1	ABBREVIATIONS MECHANICAL DRAWING INDEX & NOTES
M-0.2	MECHANICAL LEGEND
M-0.3	EQUIPMENT SCHEDULE
M-1.0	IRRIGATION WATER SUPPLY/STORAGE TANK SYSTEM - SITE PLAN
M-1.1	SANITARY SEWER - SITE PLAN
M-2.0	MECHANICAL DETAILS 1 OF 3
M-2.1	MECHANICAL DETAILS 2 OF 3
M-2.2	MECHANICAL DETAILS 3 OF 3
	VORTEX DRAWINGS - 5 SHEETS

ELECTRICAL WORK

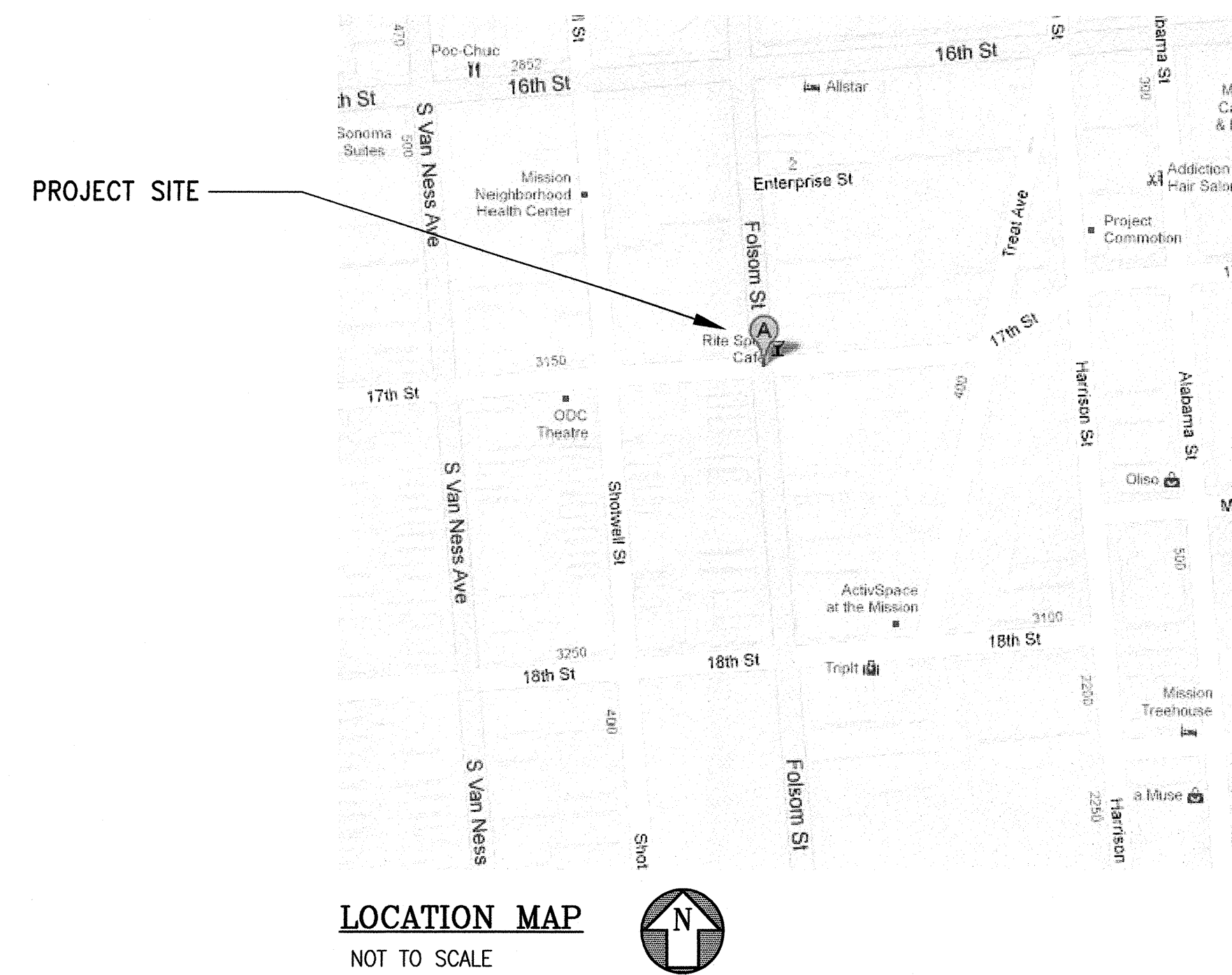
E-0.1	ELECTRICAL LEGEND, ABBREVIATIONS AND GENERAL NOTES
E-0.2	LIGHTING DETAILS AND FIXTURE SCHEDULE
E-0.3A	TITLE 24
E-0.3B	TITLE 24
E-0.3C	TITLE 24
E-0.3D	TITLE 24
E-0.3E	TITLE 24
E-0.3F	TITLE 24
E-0.4	SINGLE LINE DIAGRAM AND SCHEDULES
E-1.0	ELECTRICAL SITE PLAN
E-1.1	ELECTRICAL SITE PLAN - MECHANICAL AND IRRIGATION SYSTEMS

WATER JET WALL WORK

V-1.0	PLAN-PIPING AND ELECTRICAL
V-2.0	NOTES AND LEGEND
V-3.0	DETAILS
V-4.0	DETAILS

REFERENCE

R-1.0	SURVEY
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APPLICABLE CODES & STANDARDS

- 2013 CALIFORNIA BUILDING CODE
- 2013 INTERVENING CYCLE OF CALIFORNIA BUILDING CODE, JULY 1, 2015
- 2013 CALIFORNIA ELECTRICAL CODE
- 2013 CALIFORNIA PLUMBING'S CODE
- ASTM F1487 STANDARD CONSUMER SAFETY PERFORMANCE SPECIFICATION FOR PLAYGROUND EQUIPMENT FOR PUBLIC USE
- ASTM F1292 STANDARD SPECIFICATION FOR IMPACT ATTENUATION OF SURFACING SYSTEMS UNDER AND AROUND PLAYGROUND EQUIPMENT
- 2010 ADA STANDARD



Project _____

17th AND FOLSOM STREET
PARK

2080 FOLSOM STREET
SAN FRANCISCO, CA 94110

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Drawn	EB/KQ
Check	<i>[Signature]</i>
Landscape Arch.	EC
Sr. Arch.	<i>[Signature]</i>

Landscape Architect

Drawing Title _____

SHEET INDEX

Sheet No. _____

G-0.1

Job No. 3054V



Edwin M. Lee, Mayor
Mohammed Nuru, Director



Julia Laue, Principal Architect & Manager

DISABILITY ACCESS COMPLIANCE FOR CITY FUNDED PROJECTS

Applicant: Fill in project name and address and then scan this and DBI DA-2 forms into plans.

Project: **17th & Folsom Street Park**

Address: **2080 Folsom Street**

Leave Area Below Blank – for DPW BDC Disability Access Coordinator (DAC) Staff Use

PLAN REVIEW STAGE: DPW-Building Design and Construction DAC has approved:

- Technical Infeasibility / Unreasonable Hardship Request Date:
- Playground ADA Inventory Form Date:
- Pre-application review / site permit Date:
- Final Construction Plans for Permit Applications Date:

INSPECTION STAGE: The following inspections are required, if selected:

Call DPW BDC Disability Access Coordinator to schedule—415-557-4676

- Technical Infeasibility / Unreasonable Hardship Request
- Rough Framing, after plumbing and electrical rough is complete, prior to close-up
- Mock-up inspection of _____
- Signage, including proofs and color samples prior to fabrication
- Door closer pressure and timing
- Power door operator testing per BHMA A156.19
- Play Area equipment, surfacing and Path of Travel
- Off-site curb ramps, blue zone parking spaces and passenger loading zone
- Inspection at 95% to 99% complete, but prior to T.C. O.
- Final sign-off of Project, signing of DBI Job Card

APPROVED

JUL 17 2015

John Paul Scott, MIA, CASp, ADA / DPW BDC Disability Access Coordinator Date: 7/17/15



San Francisco Department of Public Works
Making San Francisco a beautiful, livable, vibrant, and sustainable city.

PLAY AREA ADA INVENTORY FORM

For ADA Coordinator Plan Check, Department of Public Works,
Mayor's Office on Disability and Port of San Francisco



AGE GROUP SERVED

Provide one form for each cluster of composite play equipment and per each age group. Scan all forms onto play area construction documents.

- Infant
- Pre-School (2-4 yrs)
- School (5-12 yrs)

A. PROJECT INFORMATION

1. Project Name: <u>17th/Folsom St Park</u>	2. Date Submitted: <u>7/17/15</u>
3. Project Location: <u>2080 FOLSOM</u>	4. Project Architect / Engineer:
5. Form Prepared by: <u>EDWARD CHIN</u>	6. Project Manager: <u>PAULINA ARDICA</u>
7. Phone and Email: (415) 558-4485 edward.chin@sfdpw.org	8. Phone & Email: (415) 581-2058 paulina.ardica@sf.gov
9. Description of Play Facility: <u>NEW PLAY AREA</u>	

B. PATH OF TRAVEL INFORMATION [2010 ADAS Section 202.4]

1. New Construction: Yes No 2. Alteration: Yes No 3. Barrier Removal: Yes No

2. Valuation of project: _____

3. Path of Travel Components triggered by the work. On plans, show 2010 ADAS and 2013 CBC Sec 11B-202.4 compliance of each component and the Path of Travel to the play area, including signage. Check each component that applies. Provide comment if the feature was provided previously under the 1991 ADA Standard, or if it is being provided under the 2010 ADAS for new construction/alterations.

4. Route of Travel from public transit <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Comment:
5. Route of Travel on Site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Comment:
6. Parking: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> None on site	Comment:
7. Toilet / Shower Facilities: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> None on site	Comment:
8. Public Telephones: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> None on site	Comment:
9. Drinking fountain: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> None on site	Comment:
10. Passenger Loading Zone: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> None on site	Comment:

E. STANDARDS AND COMPLIANCE DOCUMENTATION

- 2010 ADA Standards, Sections 240 and 1008 for all age groups 2 and above.
- US Consumer Product Safety Handbook (selected sections per CCR 65700).
- ASTM F-1487 Consumer Safety Performance Specification for Playground Equipment for Public Use (ages 2 thru 12).

Provide documentation showing compliance with the following and scan compliance statement or material testing certificates onto plans:

- ASTM F-1292 Standard Specification of Impact Attenuation of Surfacing Systems Under and Around Play Equipment – 2010 ADAS section 1008.2.6.2 and 2013 CBC section 11B-1008.2.8.2
- ASTM F-1951 Standard Specification for Determination of Accessibility of Surface Systems Under and Around Playground Equipment – 2013 ADAS section 1008.2.6.1 and 2013 CBC section 1008.2.6.1

F. NUMBER OF REQUIRED ELEVATED PLAY COMPONENTS ON ACCESSIBLE ROUTES

Pick One	Total	50% MIN. OF ELEVATED PLAY COMPONENTS SHALL BE ON AN ACCESSIBLE ROUTE
<input checked="" type="checkbox"/>	Less than 20	An accessible route may be a transfer access system, ramped access or route with less than 5% running slope
<input type="checkbox"/>	20 or More	25% min. of elevated play components must be accessible by ramp access and 25% min. may be accessible by either ramp or transfer system access for a total of 50% (Section 11B-1008.4)

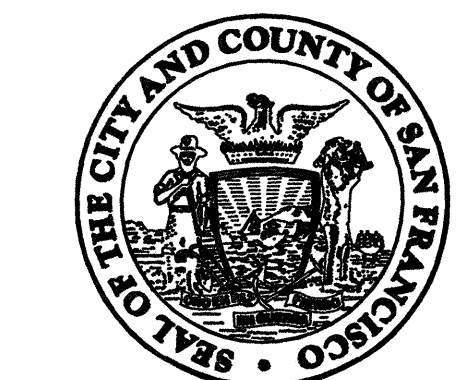
G. NUMBER AND TYPE OF ACCESSIBLE GROUND LEVEL PLAY COMPONENTS IN EACH PLAY AREA (not including free standing play elements)

[* 2010 ADAS Table 240.2.1.2 modified by MOD-SF 240.2.1.1]

ELEVATED PLAY COMPONENTS PLANNED IN PLAY AREA		REQUIRED NUMBER OF ACCESSIBLE GROUND LEVEL PLAY COMPONENTS (*See Appendix A for CCSF Design Standards)		
Pick One	TOTAL AMOUNT (#)	ON ACCESSIBLE ROUTE	ACTUAL # PROVIDED	DIFFERENT TYPE(S)
<input type="checkbox"/>	1	1*		1*
<input type="checkbox"/>	2-4	2*		2*
<input type="checkbox"/>	5-7	3*		3*
<input type="checkbox"/>	8-10	4*		3
<input type="checkbox"/>	11-13	5*		3
<input type="checkbox"/>	14-16	6*		3
<input type="checkbox"/>	17-19	7*		3
<input type="checkbox"/>	20-22	8*		4
<input type="checkbox"/>	23-25	9*		4
<input type="checkbox"/>	>25	8 + 1 for each additional 3 over 25, or fraction thereof		

H. LIST ELEVATED PLAY COMPONENTS (Show, label and/or key each on plans)			I. MINIMUM NUMBER AND TYPES OF GROUND LEVEL PLAY COMPONENTS ON ACCESSIBLE ROUTES		
Key #	On accessible route (transfer tier or ramp access)	# Not on accessible route	Key #	Number and Name of Each Component	Number and Name of Different Play Types
A1			B1	SWINGS	1 SWING
A2			B2	SPINNER	1 SPINNER
A3			B3	SPINNER	1 SPINNER
A4			B4	MULTIUSER SPINNER	1 MULTI SPINNER
A5			B5	SPINNER	1 SPINNER
A6			B6	CLIMBING POLE	1 CLIMBING POLE
A7			B7	NET STRUCTURE	1 NET STRUCTURE
A8			B8	WATER JET	1 WATER JET
A9			B9	WALL	1 WATER PLAY
A10			B10		
A11			B11		
A12			B12		
A13			B13		

Form preparer signature: _____ Date submitted: 7/17/15



DEPARTMENT OF PUBLIC WORKS
CITY AND COUNTY OF SAN FRANCISCO
30 Van Ness Avenue Suite 4100
San Francisco, CA (415) 557-4700
94102-6028 Fax (415) 557-4701

Project: _____
17th AND FOLSOM STREET PARK

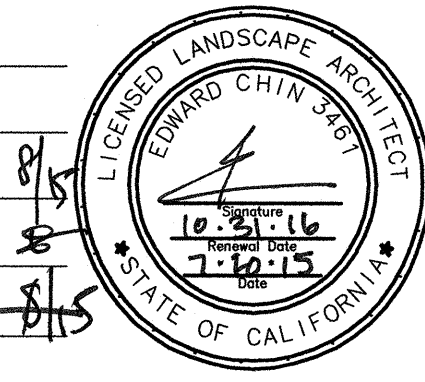
2080 FOLSOM STREET
SAN FRANCISCO, CA 94110

Consultant: _____

Issue: _____
100% BID SET

No.	Date	Revisions
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2		
3		

Drawn: EBKQ
Check: SM
Landscape Arch: EC
Sr. Arch: _____
Landscape Architect



Drawing Title: _____

ADA COMPLIANCE FORMS

Sheet No. _____
G-0.2
Job No. 3054V

ROBERTSON INDUSTRIES
DTL REPORT NO.: 7028006-1
5/8/07

TEST RESULTS
Wheelchair Measurement Test

Procedure:
The sample material was prepared by Robertson Industries in a 5 foot X 5 foot wooden frame at a depth of 1.5 inches. The sample was cut by DTL enabling appropriate test arrangement. The sample was tested by propelling the wheelchair with four (4) even pushes across the material 6.56 feet within eight (8) seconds. This process was repeated five (5) times for each test (straight and 90° turn propulsions).

Results
The table below shows the results for each trial. Per ASTM F1951-09, the work force averages were determined averaging the three median trials, discarding the highest and lowest values.

Run #	No Material work per foot in pound force-inch	With Material work per foot in pound force-inch
Straight Run 1	109.26	39.13
Straight Run 2	118.53	39.45
Straight Run 3	109.10	31.94
Straight Run 4	109.06	34.74
Straight Run 5	109.52	31.17
Average	109.30	35.27
Turn Run 1	118.34	41.51
Turn Run 2	111.81	39.95
Turn Run 3	109.51	44.37
Turn Run 4	110.88	41.10
Turn Run 5	114.21	44.48
Average	112.23	42.33

Remarks:
The wheelchair rider weight was 172lbs., which combined with the wheelchair for a total of 207lbs.

ROBERTSON INDUSTRIES
DTL REPORT NO.: 7028006-1
5/8/07

REQUIREMENTS
The average work per foot in pound force-inch values for straight propulsion and for turning with material should be less than the average work per foot values for straight and turning on flat surface with a grade of 7.1%.

TEST EQUIPMENT
Detroit Testing Laboratory, Inc.'s calibration system meets the requirements of ISO 17025:1999.

DTL ID	Description	Manufacturer	Model	Calib. Due
08357	Signal Conditioner	Daytronics	3370	7/07
08715	Reaction Torque Sensor	Lebow	2110220500	7/07
08686	Digital Protractor	Mitutoyo	Pro 380	4/08
	Wheelchair	Quickie	Q2	NCR
	Wheelchair Fixture	DTL	-	NCR

SAMPLE DISPOSITION
The sample material will be retained for fifteen (15) days, then disposed of at the discretion of DTL unless otherwise requested.

Reported by: _____
DETROIT TESTING LABORATORY, INC.

David Splane
Certification Programs Coordinator

Keith G. Shelton
Certification Program Manager

DS
Enclosure: Terms and Conditions

IPEMA Certificate of Compliance

To verify product certification, visit www.ipema.org

MANUFACTURER
Robertson Industries, Inc., A Playcore Company
2414 West 12th Street
Suite 5
Tempe, AZ 85281

PRODUCT NBR	PRODUCT LINE	DESCRIPTION
TS400	TotTurf	4"/8ft TotTurf TPV Supreme 4"
TT200	TotTurf	2.0in/4ft Poured-In-Place rubber, playground safety surfacing
TT350	TotTurf	3.5in/8ft Poured-In-Place rubber, playground safety surfacing
TT450	TotTurf	4.5in/11ft Poured-In-Place rubber, playground safety surfacing

ISSUE DATE: 6/2/15 - 17th and Folsom Park
In the interest of public playground safety, IPEMA provides a third-party certification service whereby TÜV SÜD America validates a manufacturer's certification of conformance to the ASTM F1292-13, Standard Specification for Impact Attenuation of Surface Systems Under and Around Playground Equipment Standard.

The manufacturer listed below has received written validation from TÜV SÜD America that the products listed below conform with the requirements of ASTM F1292-13.

You may verify this certificate by visiting IPEMA's website at <http://ipema.org>

PLAYGROUND SURFACING ADA ASTM F1951-09B COMPLIANCE

PLAYGROUND SURFACING ATTENUATION - ASTM F1292 COMPLIANCE

BUILDING
DESIGN & CONSTRUCTION



DEPARTMENT OF PUBLIC WORKS
CITY AND COUNTY OF SAN FRANCISCO
30 Van Ness Avenue Suite 4100
San Francisco, CA (415) 557-4700
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Project _____

17th AND FOLSOM STREET
PARK

2080 FOLSOM STREET
SAN FRANCISCO, CA 94110

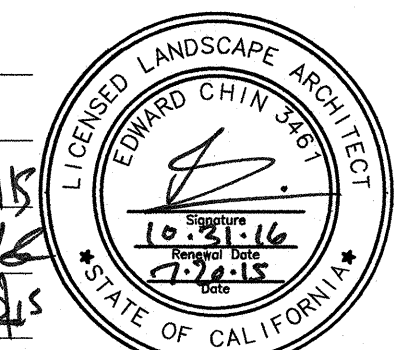
Consultant _____

Issue _____

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2		
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Drawn EB/KQ
Check [Signature]
Landscape Arch. EC
Sr. Arch. [Signature]
Landscape Architect



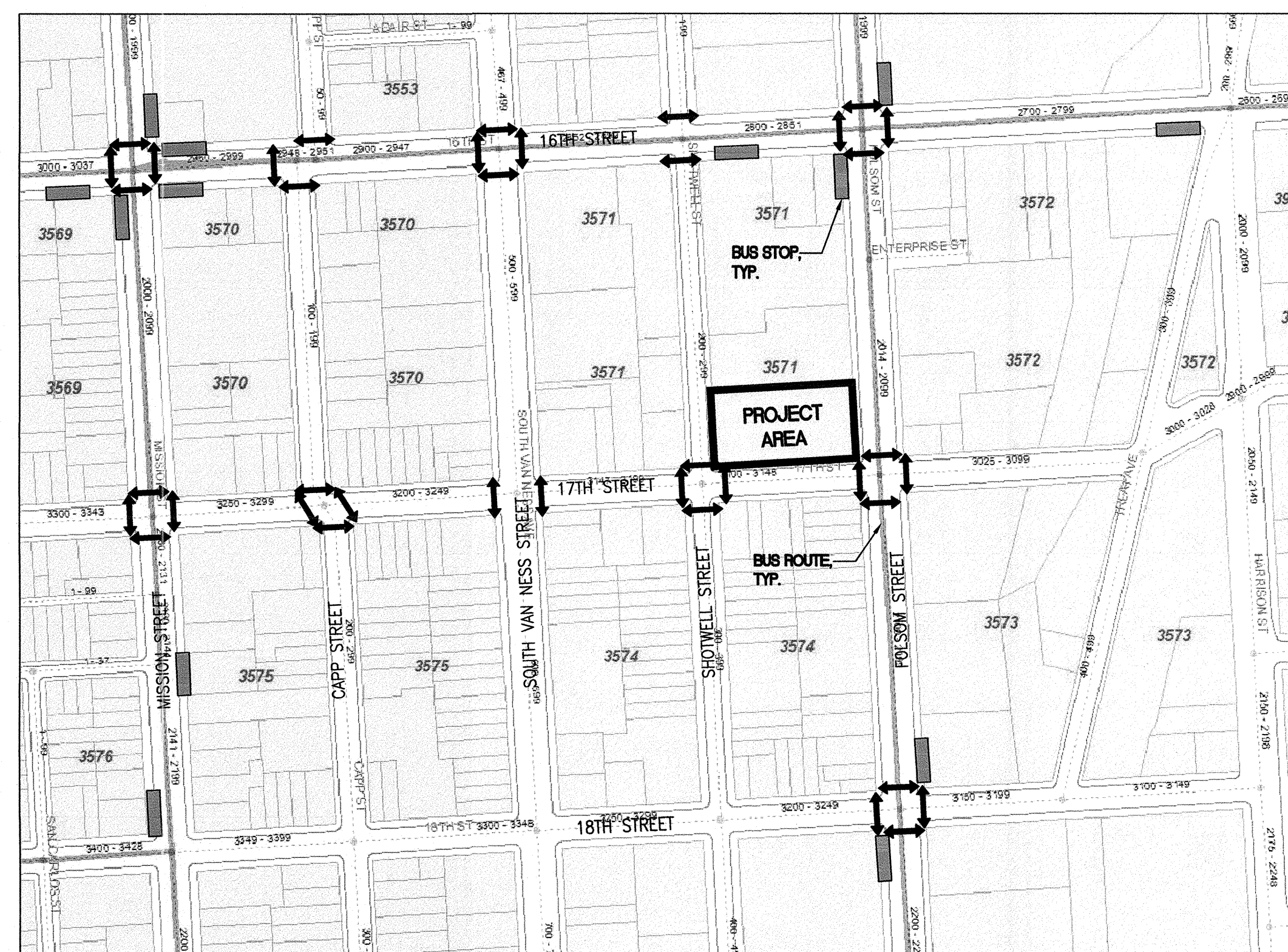
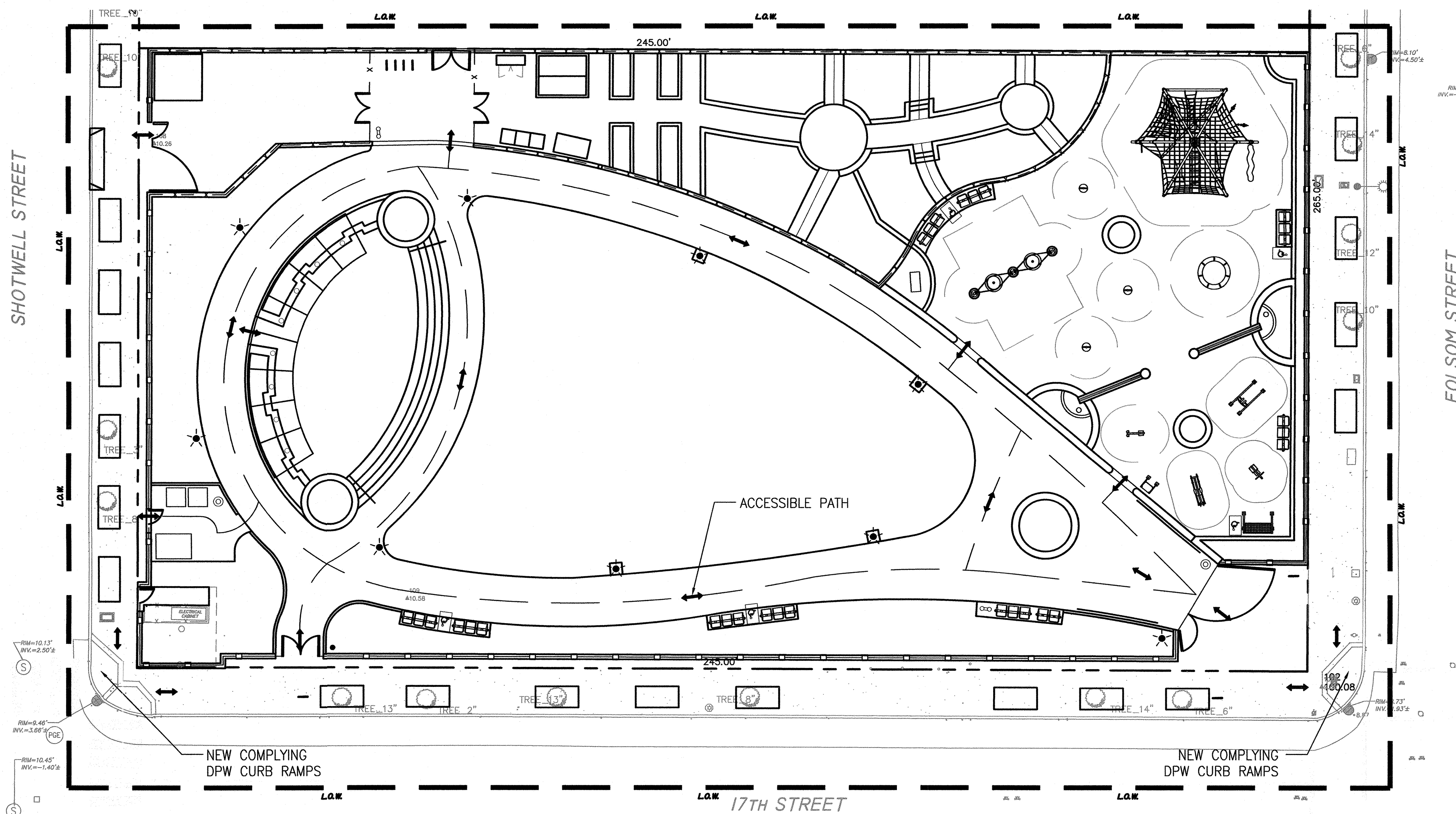
Drawing Title _____

ACCESSIBLE PATH OF TRAVEL

Sheet No. _____

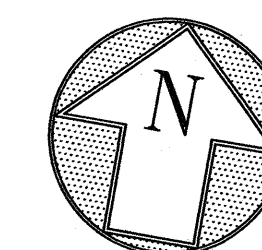
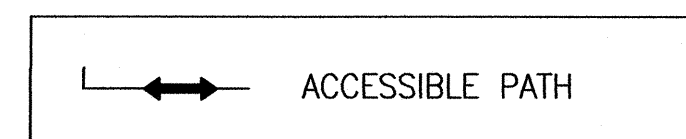
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Job No. 3054V



STREET ACCESSIBILITY

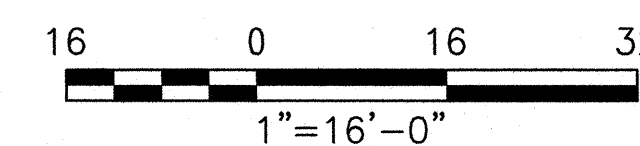
ADA SIGN LEGEND:



APPROVED

JUL 17 2015

PUBLIC WORKS BUILDING
DESIGN & CONSTRUCTION
DISABILITY ACCESS COORDINATOR





DEPARTMENT OF PUBLIC WORKS
CITY AND COUNTY OF SAN FRANCISCO

30 Van Ness Avenue Suite 4100
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Landscape Arch. EC
Sr. Arch. *sh dls*

Landscape Architect

Drawing Title _____

LANDSCAPE GENERAL NOTES
AND ABBREVIATIONS

Sheet No. _____

L-0.0

Job No. 3054V

LANDSCAPE GENERAL NOTES AND ABBREVIATIONS

DEMOLITION NOTES

PROTECT ALL SITE ELEMENTS TO REMAIN.
PROVIDE CONSTRUCTION FENCING AT LIMIT OF WORK LINE THROUGHOUT CONSTRUCTION PERIOD.
ALL MATERIALS SHALL BE DISPOSED OF IN A LEGAL MANNER AS CONTRACTOR'S PROPERTY.

GENERAL NOTES

ALL WORK SHALL BE COMPLETED IN A THOROUGH AND WORKMANLIKE MANNER.
ALL WORK TO BE PERFORMED SHALL CONFORM TO ALL APPLICABLE CODES AND ORDINANCES OF GOVERNMENTAL AGENCIES HAVING JURISDICTION OVER THE PROJECT.
PROTECT ALL UTILITIES, IMPROVEMENTS AND STRUCTURES AND RESTORE TO NEW CONDITION AT NO ADDITIONAL COST TO THE CITY IF DAMAGED DURING THE COURSE OF WORK.

COORDINATE ALL WORK TO PREVENT CONFLICTS BETWEEN TRADES AND REPORT CONFLICTS OR INCONGRUITIES BETWEEN NEW IMPROVEMENTS AND/OR EXISTING FACILITIES TO THE CITY REPRESENTATIVE IMMEDIATELY.

THE CONTRACTOR IS RESPONSIBLE FOR THE COORDINATION AND INSTALLATION OF ALL PLUMBING AND ELECTRICAL ITEMS TO BE INSTALLED AS A PART OF THIS WORK.

CLEAR AND REMOVE ALL ORGANIC MATTER, DEBRIS AND RUBBISH FROM WITHIN THE LIMIT OF WORK. CONTRACTOR SHALL DISPOSE OF SAID MATERIAL IN A LEGAL MANNER AS HIS PROPERTY.

IN ADDITION TO THESE DRAWINGS, REFER TO CCSF STANDARD SPECIFICATIONS.

LAYOUT NOTES

VERIFY ALL DIMENSIONS IN THE FIELD PRIOR TO BEGINNING CONSTRUCTION AND REPORT ANY DISCREPANCIES TO THE CITY REPRESENTATIVE PRIOR TO PROCEEDING.
WRITTEN DIMENSIONS ON DRAWINGS SUPERSEDE SCALE DIMENSIONS.
ALL DIMENSIONS ARE TO BE MEASURED HORIZONTALLY.
VERIFY LOCATION AND ELEVATIONS OF UTILITY VAULTS AND OTHER COVERS AND REPORT ANY CONFLICTS OR DISCREPANCIES TO THE CITY REPRESENTATIVE.

PLACE EXPANSION JOINTS WHERE ALL HORIZONTAL PAVING ABUTS A VERTICAL SURFACE AND AS SHOWN ON PLANS. JOINTS SHALL BE 3/8" PRE-MOLDED ASPHALTIC FIBER MATERIAL.

THE CONTRACTOR SHALL STAKE ALL PAVED AREAS AND FOOTINGS FOR REVIEW BY THE CITY REPRESENTATIVE BEFORE FINAL CONSTRUCTION.

GRADING NOTES

VERIFY ALL GRADES IN THE FIELD BEFORE PROCEEDING WITH WORK, INCLUDING EXISTING IMPROVEMENTS; LOCATIONS AND ELEVATIONS OF AREA DRAINS.
EXISTING GRADES SHOWN ARE APPROXIMATE AND SHALL BE FIELD VERIFIED. ALL DISCREPANCIES SHALL BE REPORTED TO THE CITY REPRESENTATIVE IMMEDIATELY.
THE CONTRACTOR SHALL BE RESPONSIBLE FOR POSITIVE SURFACE DRAINAGE IN ALL PAVING AND PLANTING AREAS. ALL GROUND SURFACES SHALL BE FINISHED TO A SMOOTH AND CONTINUOUS GRADE, DRAINING AND FREE OF STANDING WATER.
PROVIDE A SMOOTH TRANSITION BETWEEN EXISTING AND NEW GRADES IN PLANTING AREAS. WHERE NEW PAVEMENT ABUTS NEW PAVEMENT, FINISH GRADES SHALL BE FLUSH, UNLESS OTHERWISE NOTED. EASE TOP AND TOE OF ALL SLOPES TO PROVIDE SMOOTH TRANSITIONS BETWEEN GROUND PLANES.

THE CITY REPRESENTATIVE RESERVES THE RIGHT TO MAKE ADJUSTMENTS IN THE FINISHED GRADES AS THE WORK PROGRESSES.

ELEVATIONS ARE BASED ON CITY AND COUNTY OF SAN FRANCISCO DATUM, UNLESS OTHERWISE NOTED.

PLANTING NOTES

SEE STANDARD SPECIFICATIONS, SECTION 1007 "PLANTING", FOR ADDITIONAL PLANTING INFORMATION.

PLANT LISTS PROVIDED (SEE SHEET L-7.0/7.1) ARE FOR THE CONVENIENCE OF THE CONTRACTOR. IN CASE OF DISCREPANCIES, THE PLAN SHALL GOVERN.

CITY REPRESENTATIVE IS TO INSPECT AND TAG ALL PLANT MATERIALS AT NURSERY GROWING GROUNDS PRIOR TO DELIVERY. CONTRACTOR SHALL REVIEW ALL PLANT MATERIAL ON SITE WITH CITY REPRESENTATIVE AND SHALL INSTALL MATERIAL ONLY AFTER OBTAINING APPROVAL FROM THE CITY REPRESENTATIVE.

THE CITY REPRESENTATIVE RESERVES THE RIGHT TO MAKE SUBSTITUTIONS, ADDITIONS, AND DELETIONS IN THE PLANTING SCHEME AS THE WORK PROGRESSES.

CONTRACTOR SHALL REVIEW PLANT MATERIAL LOCATION PRIOR TO FINAL PLANTING WITH THE CITY REPRESENTATIVE. LOCATIONS SHOWN ON PLANS ARE DIAGRAMMATIC ONLY.

UNLESS OTHERWISE NOTED, ALL GROUND COVER AND SHRUBS SHALL BE SPACED TRIANGULARLY.

ALL NEWLY PLANTED GROUND COVER AND SHRUB AREAS TO RECEIVE 3" MIN. COMPACTED, SHREDDED BARK. SEE SPECIFICATIONS.

SITE METAL WORK NOTES

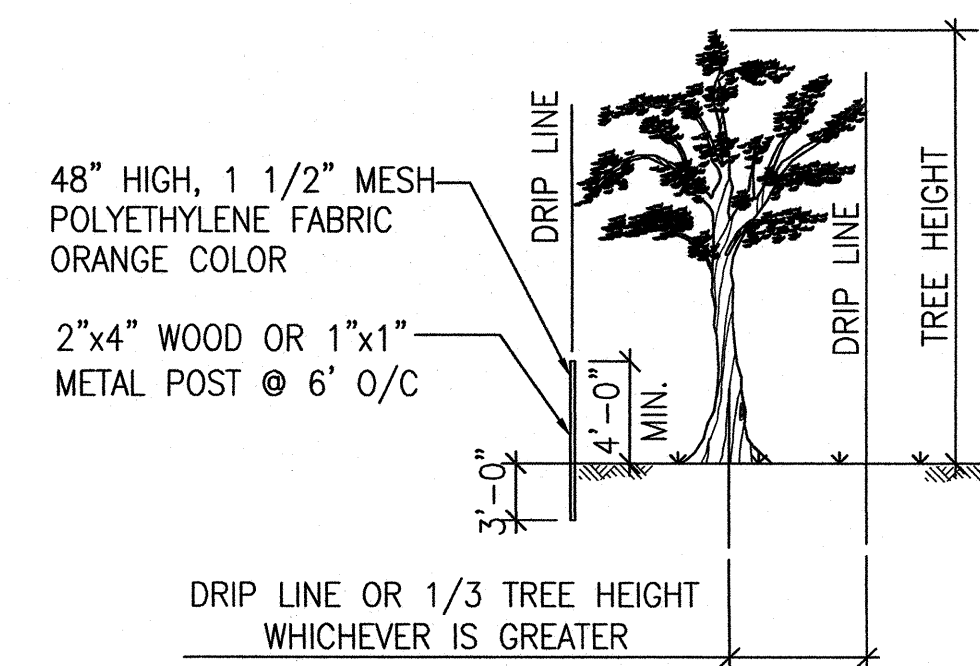
SUBMIT SHOP DRAWINGS FOR ALL METAL WORK.
ALL MEMBERS TO BE STRUCTURAL STEEL GALVANIZED SIZE AND TYPE AS INDICATED ON DETAIL DRAWINGS.
SHOP ASSEMBLY, WITH FULL DEPTH WELDS, TYPE "FILLET WELD" CONTINUOUS, GRIND SMOOTH.
HOT DIP GALVANIZE ALL MEMBERS PER SPECIFICATIONS.

ABBREVIATIONS

CCSF CITY & COUNTY OF SAN FRANCISCO	MH MANHOLE
C, CL CENTER LINE	(N) NEW
CB CATCH BASIN	N.I.C. NOT IN CONTRACT
CLR. CLEAR	NO., # NUMBER
CONC. CONCRETE	N.T.S. NOT TO SCALE
CONT. CONTINUOUS	NKE NO KNOWN EQUAL
C.J. CONTROL JOINT	O.C. ON CENTER
DIA., Ø DIAMETER	O.D. OUTSIDE DIAMETER
DWG DRAWING	P.A. PLANTING AREA
(E) EXISTING	R RADIUS
EA EACH	SD STORM DRAIN
E.J. EXPANSION JOINT	S.J. SCORE JOINT
EQ EQUAL	SPECS SPECIFICATIONS
F.G. FINISH GRADE	ST. STREET
FTG. FOOTING	TYP. TYPICAL
GALV. GALVANIZED	U.O.N. UNLESS OTHERWISE NOTED
JT. JOINT	W/ WITH
L.O.W. LIMIT OF WORK	W/ FLUSH OR ALIGNED
MAX. MAXIMUM	
MIN. MINIMUM	

TYPICAL EXISTING TREE PROTECTION

NOT TO SCALE



NOTES:

- PROTECT ALL EXISTING TREES WHOSE DRIP LINE IS WITHIN 25 FEET OF EXCAVATION, TRENCHING, GRADING, OR PATHWAY WORK, AGAINST INJURY OR DAMAGE FROM CONSTRUCTION OPERATIONS.
- SEE SPECIFICATION 01560 "PROTECTION OF TREES" FOR OTHER REQUIREMENTS.
- PROTECT TREES PRIOR TO COMMENCING WORK BY ERECTING A TEMPORARY SAFETY FENCE PER DETAIL ABOVE ON SIDE(S) ADJACENT TO CONSTRUCTION. EXCEPT WHEN ON ASPHALT PAVEMENT, NO VEHICLES OR MECHANICAL EQUIPMENT LARGER THAN A DITCHWITCH OR BOBCAT CLASS MACHINE ARE PERMITTED ANY CLOSER TO A TREE THAN 1/3 OF TREE HEIGHT OR TREE DRIP LINE, WHICHEVER DISTANCE IS GREATER. SHOULD VEHICLES OR EQUIPMENT (OTHER THAN MECHANICAL TRENCHING) BE NECESSARY WITHIN THIS PROXIMITY OF A TREE, A 4 INCH DEEP LAYER OF APPROVED BARK MULCH SHALL BE APPLIED OVER THE AREA TO BE USED BY SUCH VEHICLES OR EQUIPMENT.



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Project _____

17th AND FOLSOM STREET
PARK

2080 FOLSOM STREET
SAN FRANCISCO, CA 94110

Consultant _____

Issue _____

100% BID SET

07/15		
No.	Date	Revisions
1		
2		
3		

Drawn EB/KQ
Check _____
Landscape Arch. EC
Sr. Arch. _____
Landscape Architect



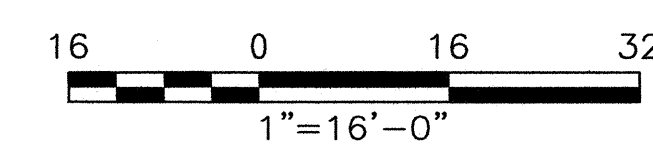
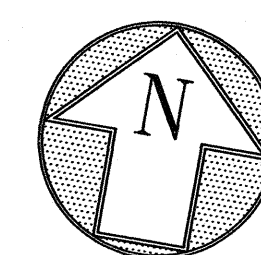
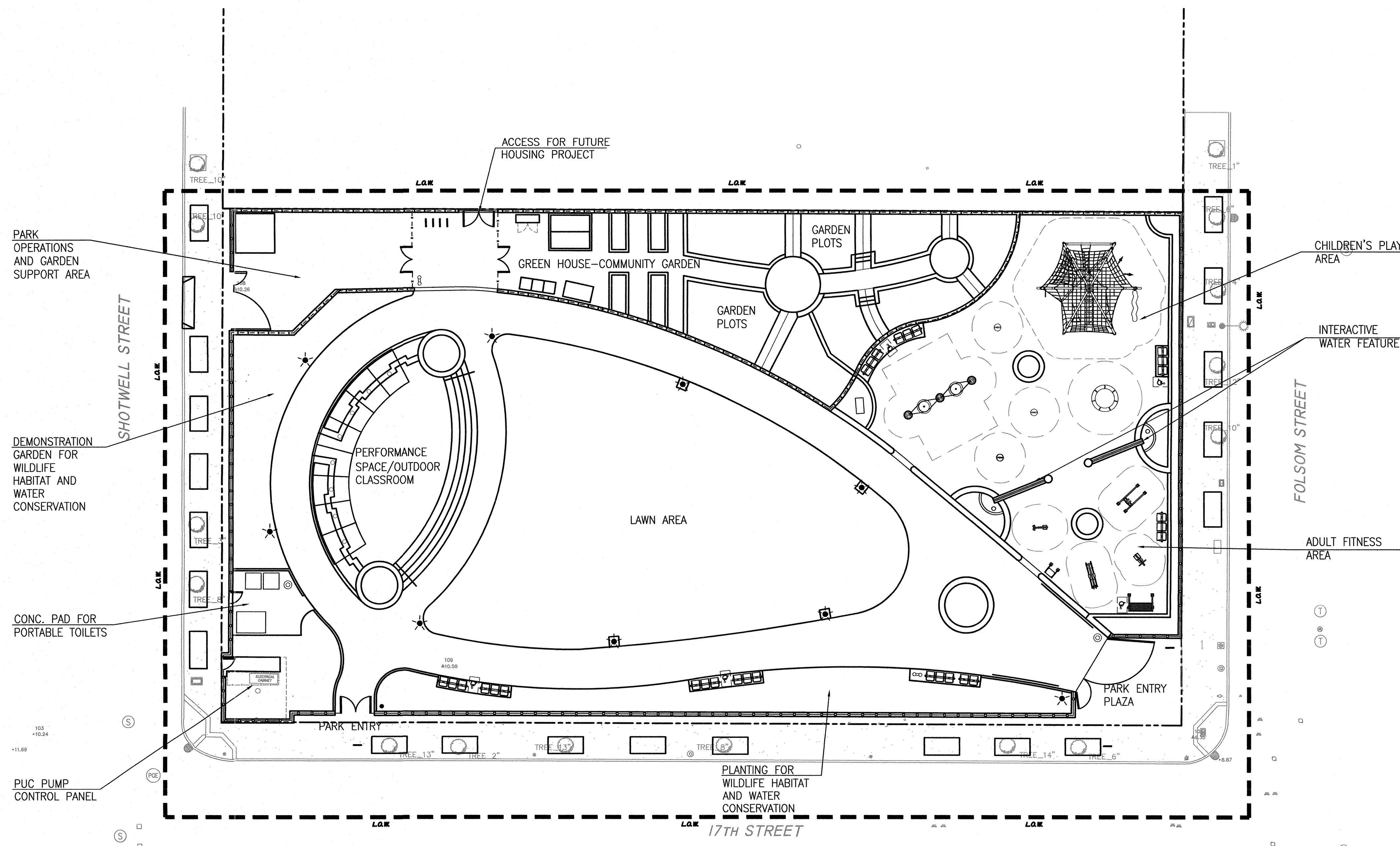
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SITE PLAN

Sheet No. _____

L-0.1

Job No. 3054V





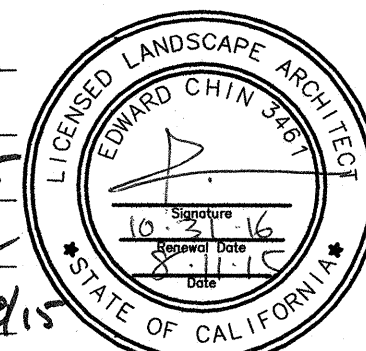
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17th AND FOLSOM STREET
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SAN FRANCISCO, CA 94110
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Drawn EB/KQ
Check SA 01/15
Landscape Arch. EGA
Sr. Arch. SA 01/15
Landscape Architect



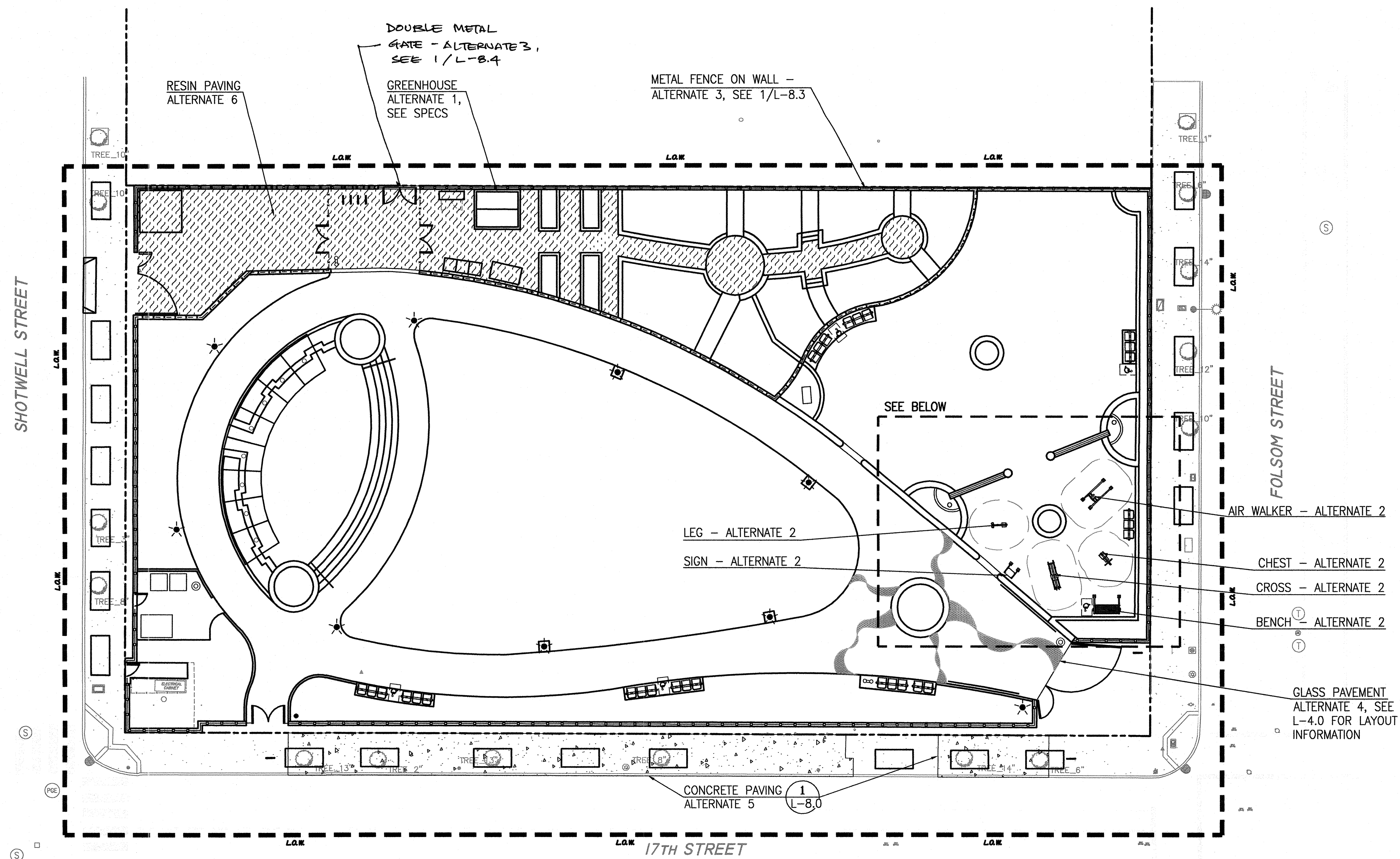
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ALTERNATE PLAN

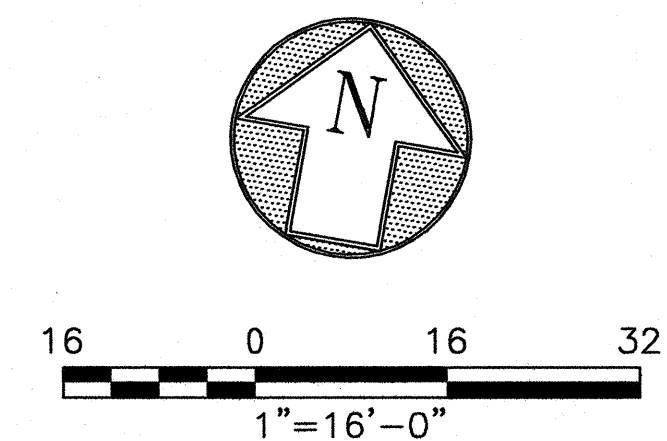
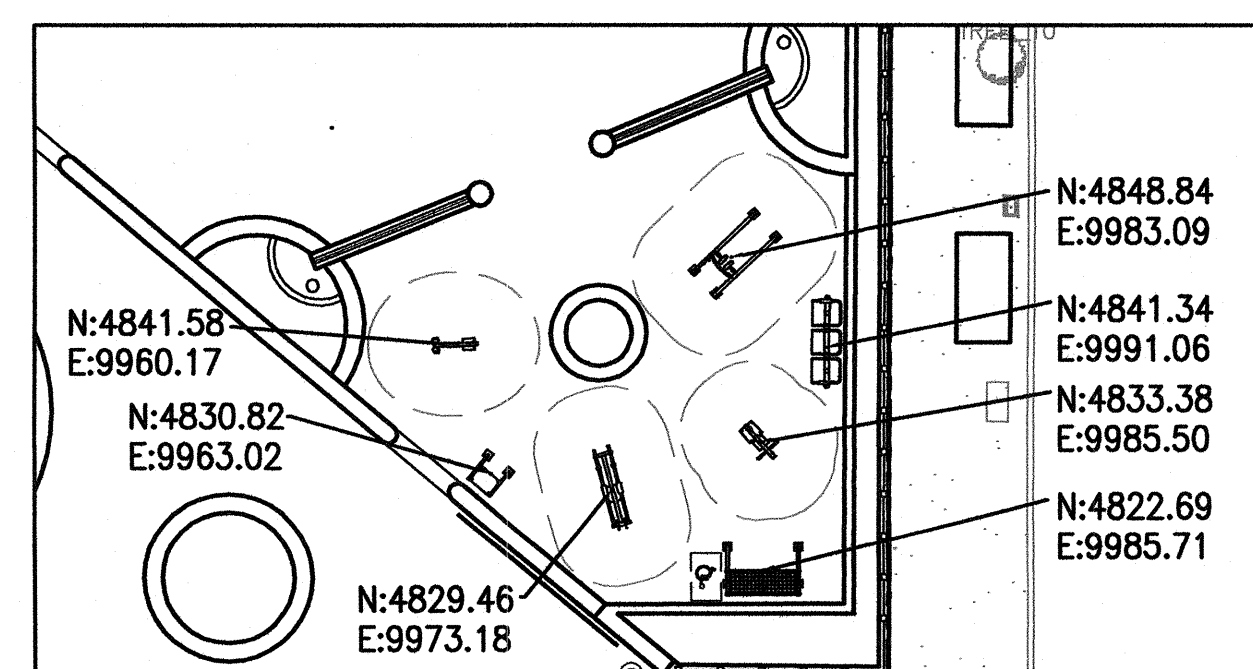
Sheet No. _____

L-0.2

Job No. 3054V



ALTERNATE 7 PLANTING - SEE L-7.1





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Drawn EB/KQ
Check *[Signature]*
Landscape Arch. EC *[Signature]*
Sr. Arch. *[Signature]*
Landscape Architect



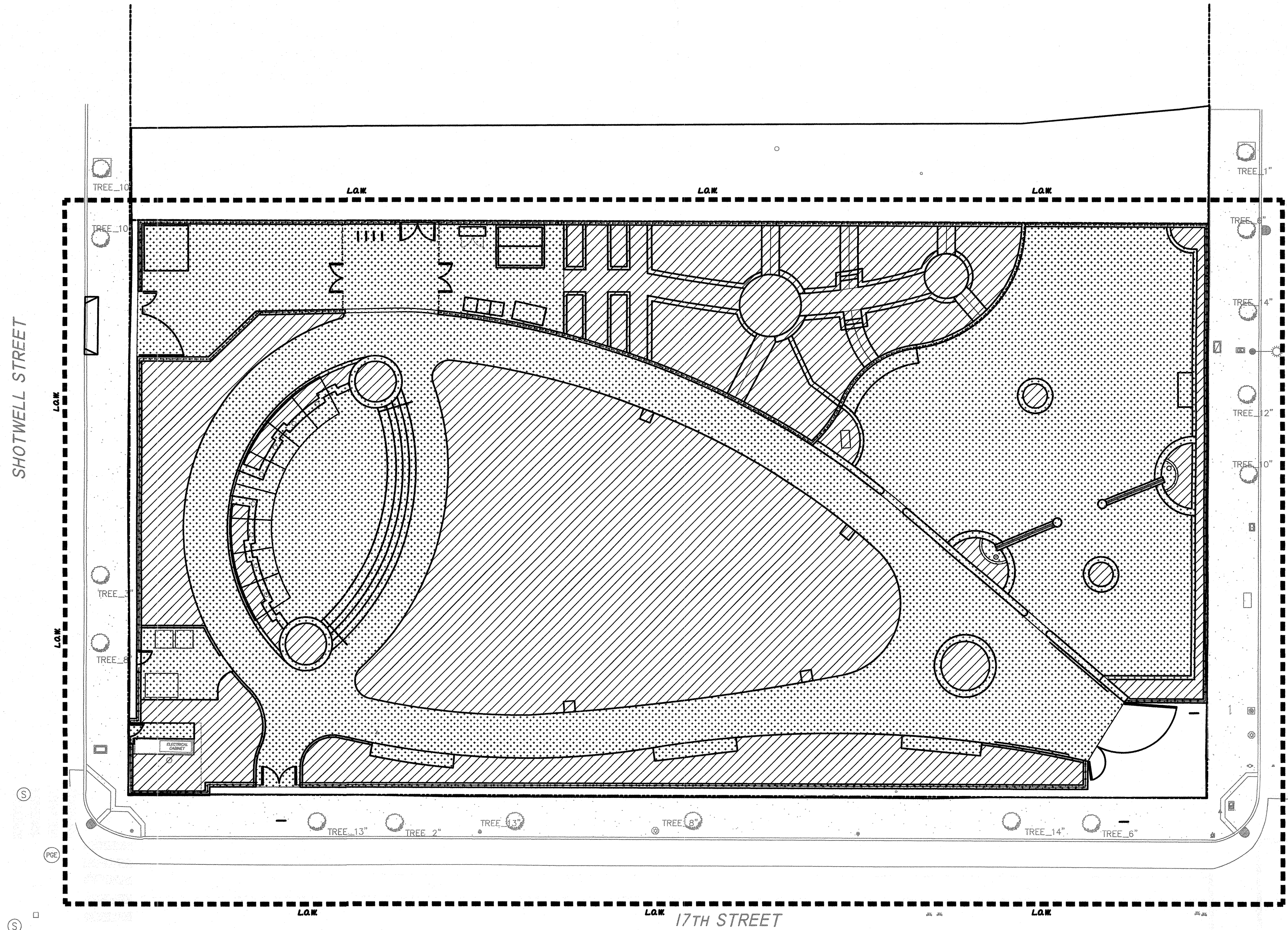
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EXCAVATION
PLAN

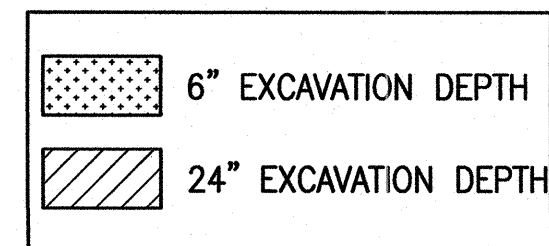
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L-0.3

Job No. 3054V



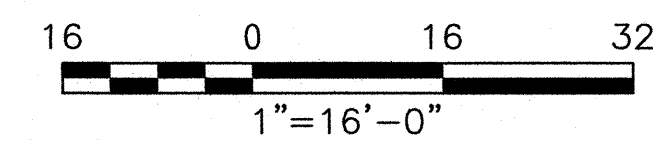
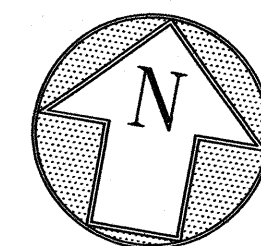
LEGEND



NOTES:

SEE MECHANICAL (M) DRAWINGS
STRUCTURAL DRAWINGS (S) AND
LANDSCAPE DETAILS FOR EXCAVATION
OF FOUNDATIONS, FOOTINGS AND
EQUIPMENT REQUIRING ADDITIONAL
EXPORT OF NATIVE SOIL.

DISPOSE OF ALL EXCAVATED CLASS I
MATERIAL IN COMPLIANCE WITH STATE
AND LOCAL CODES.





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2080 FOLSOM STREET
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Drawn EB/KQ
Check [Signature]
Landscape Arch. EC
Sr. Arch. [Signature]
Landscape Architect



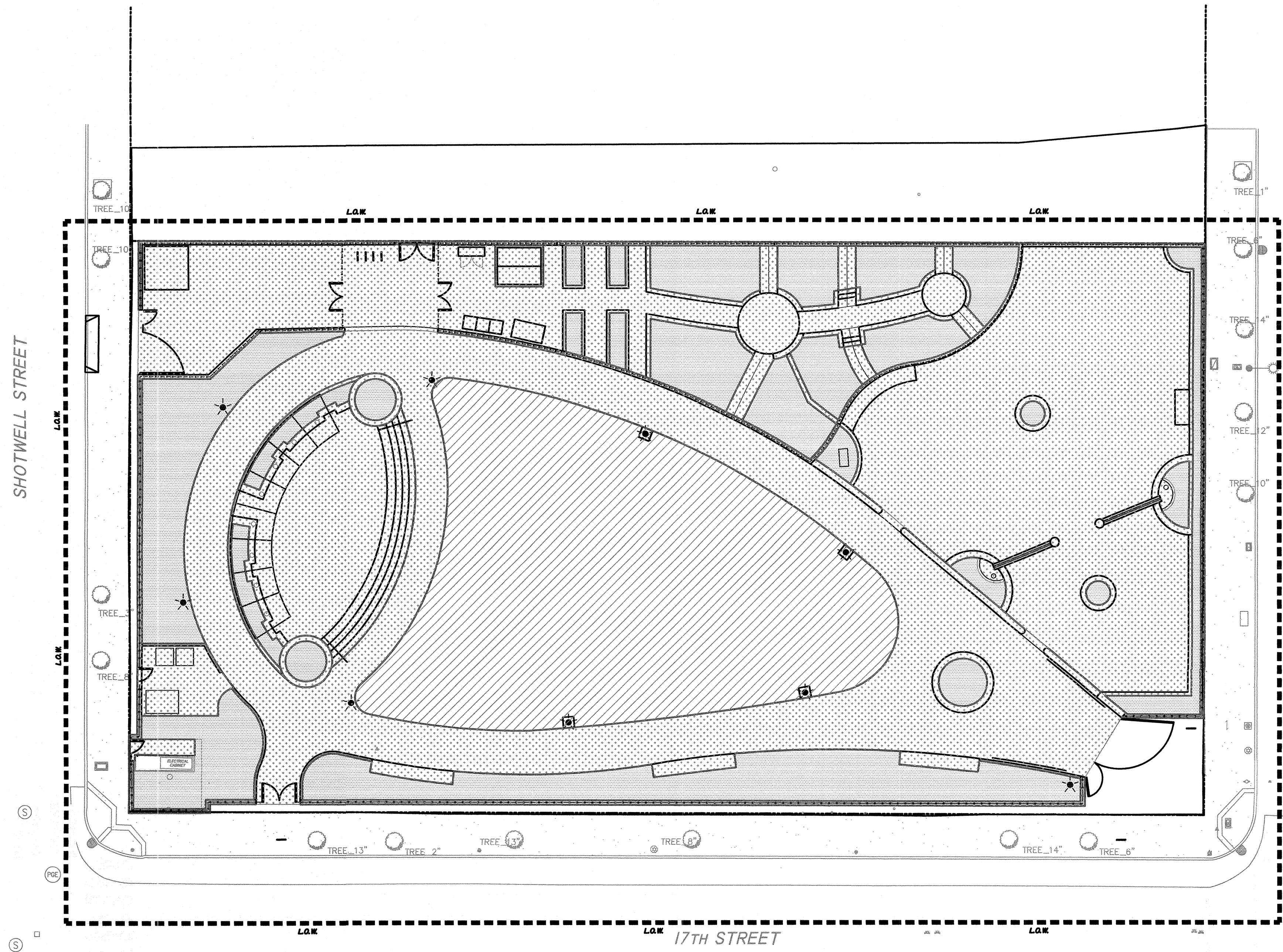
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IMPORT
MATERIAL PLAN

Sheet No. _____

L-0.4

Job No. 3054V

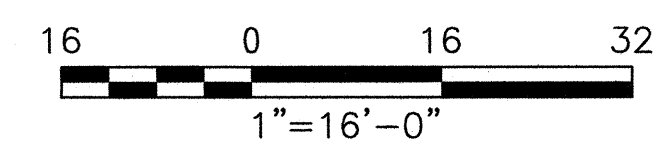
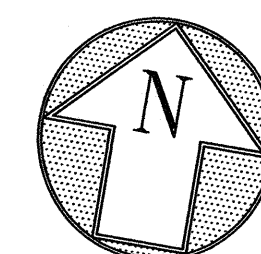


LEGEND

- 6" CLEAN IMPORT
- 18" CLEAN IMPORT
- 24" MIN CLEAN IMPORT

CLEAN IMPORT PER SPEC SECTION
02 81 00 AND 31 23 00

NOTES:
SEE L-3.0 GRADING AND DRAINAGE
DRAWING FOR FINISH GRADES. ADDITIONAL IMPORT SOIL
REQUIRED AT COMMUNITY GARDEN & PLANTING AREAS.
SEE MECHANICAL (M) DRAWINGS
STRUCTURAL DRAWINGS (S) AND
LANDSCAPE DETAILS FOR
EXCAVATION OF FOUNDATIONS,
FOOTINGS AND EQUIPMENT
REQUIRING ADDITIONAL EXPORT OF
NATIVE SOIL.





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2080 FOLSOM STREET
SAN FRANCISCO, CA 94110

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Drawn EB/KQ

Check CA 8/15

Landscape Arch. ECD

Sr. Arch. CA 8/15



Landscape Architect

Drawing Title _____

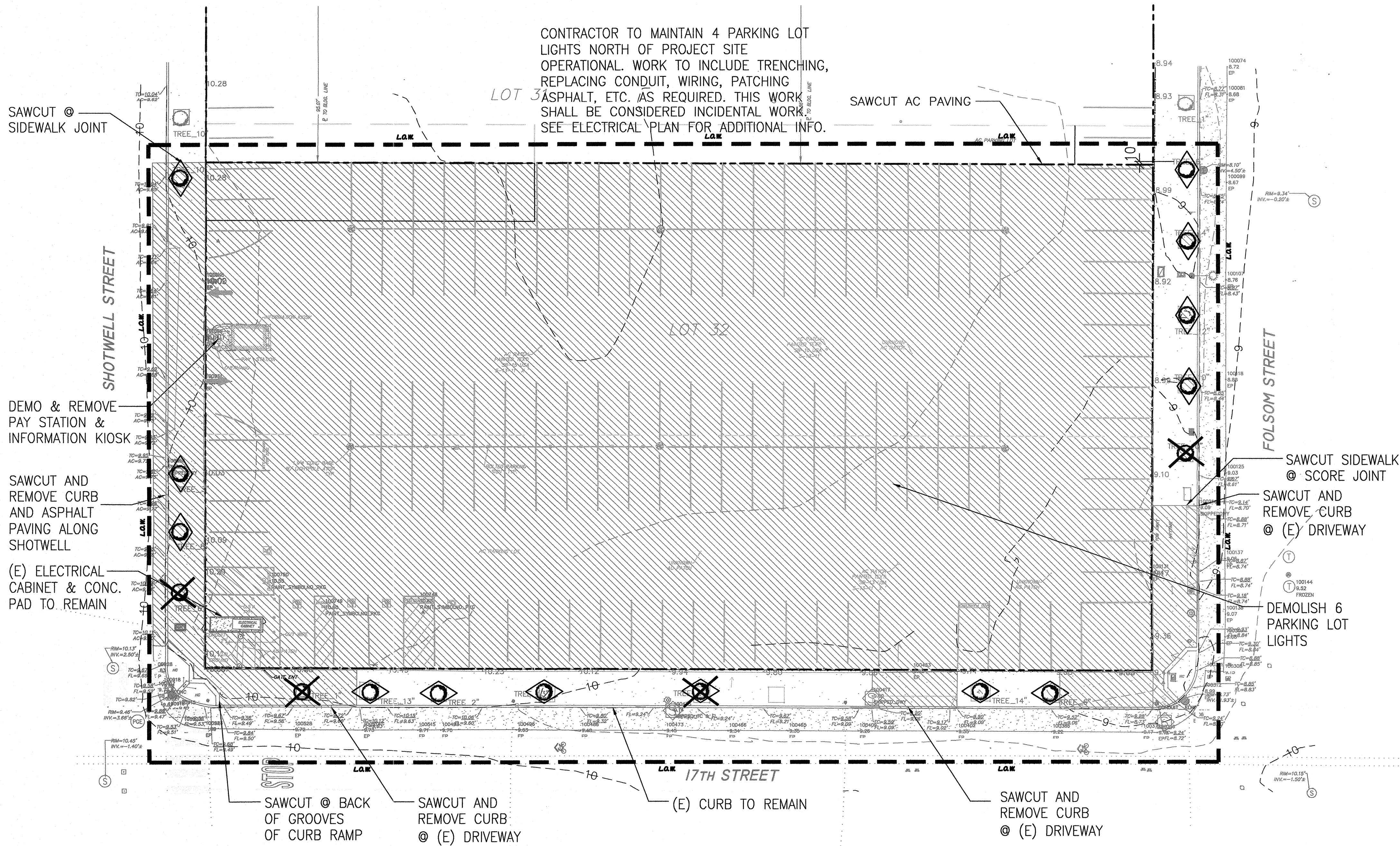
EXISTING CONDITIONS
& DEMOLITION PLAN

Sheet No. _____

L-1.0

Job No. 3054V

CONTRACTOR TO MAINTAIN 4 PARKING LOT
LIGHTS NORTH OF PROJECT SITE
OPERATIONAL. WORK TO INCLUDE TRENCHING,
REPLACING CONDUIT, WIRING, PATCHING
ASPHALT, ETC. AS REQUIRED. THIS WORK
SHALL BE CONSIDERED INCIDENTAL WORK.
SEE ELECTRICAL PLAN FOR ADDITIONAL INFO.

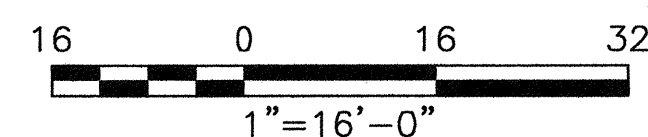
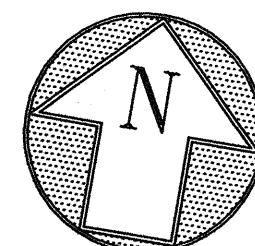


DEMOLITION LEGEND

- L.O.W. - LIMIT OF WORK
- PROPERTY LINE
- AREA OF DEMOLITION
REMOVE ALL ASPHALT,
CONC. PAVING, CONC
SIDEWALK, CONC.
WALLS, FENCE, CURBS,
PLANTING, AND EXISTING
IMPROVEMENTS U.O.N.
- EXISTING TREE TO BE
REMOVED, STUMP TO
BE GRINDED, TYP. SEE
SPECS.
- PROTECT EXISTING TREE
TO REMAIN, TYP. SEE
SHEET L-0.0 FOR
ADDITIONAL NOTES
- LIGHT POLE TO REMAIN

NOTES:

1. EXISTING UTILITIES AND UTILITY BOX
COVERS TO REMAIN, U.O.N. EXISTING
UTILITIES TO REMAIN SHALL BE
ADJUSTED AS REQUIRED TO CONFORM
TO FINAL FINISH GRADES.
2. FOR DEMOLITION WORK AT SIDEWALK,
PROVIDE A CLEAR PATH OF TRAVEL OF
MIN. 4'-0" AT ALL TIMES.
3. PROTECT AND IRRIGATE EXISTING
STREET TREES TO REMAIN, SEE SPECS.





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17th AND FOLSOM STREET PARK
2080 FOLSOM STREET
SAN FRANCISCO, CA 94110
Consultant

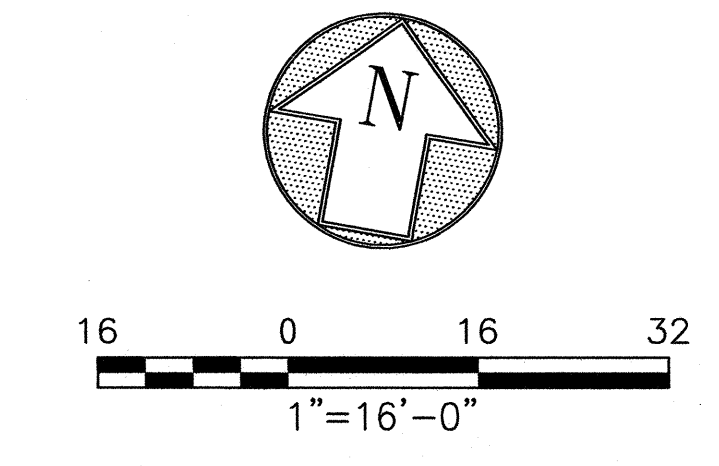
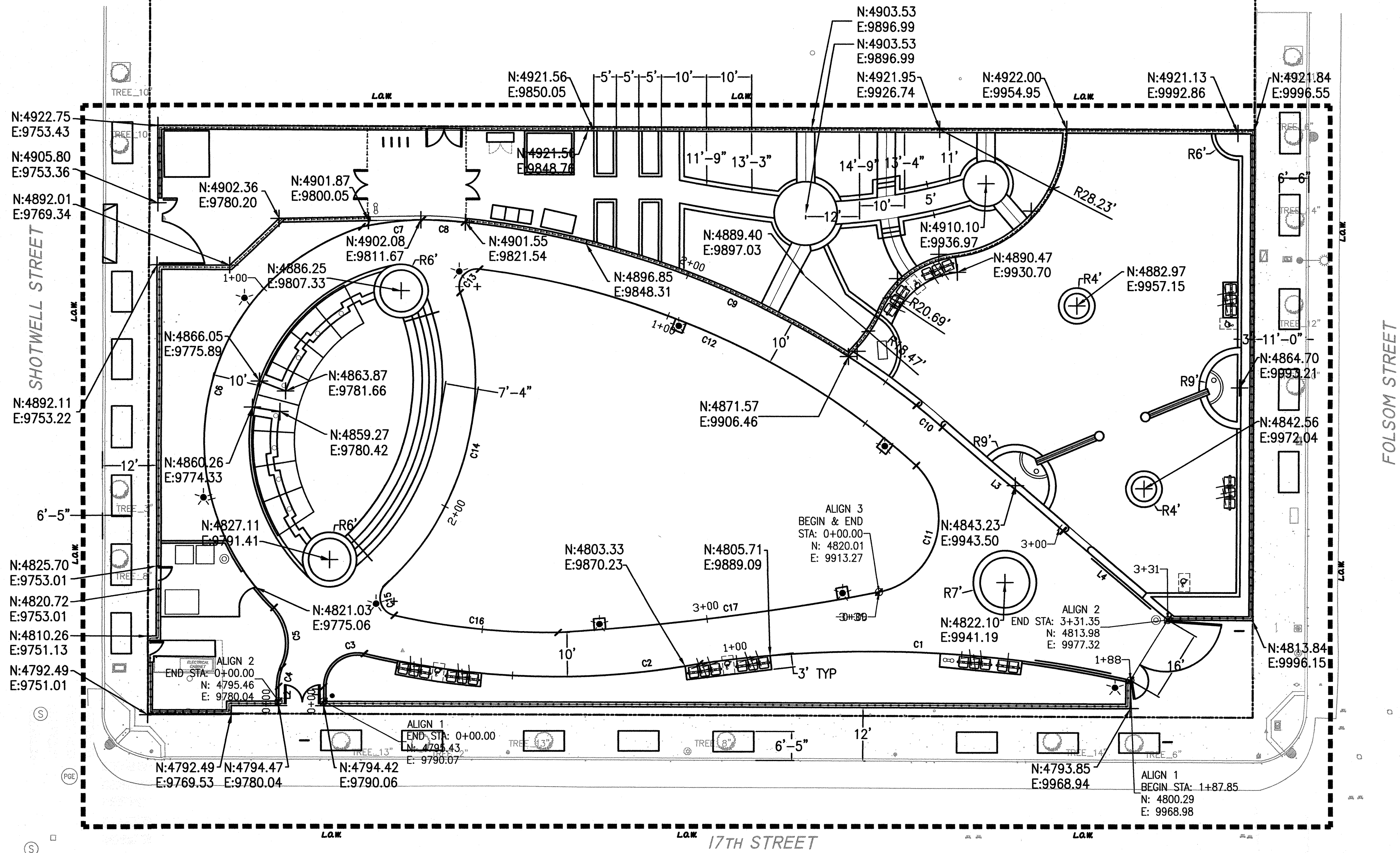
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07/15

No.	Date	Revisions
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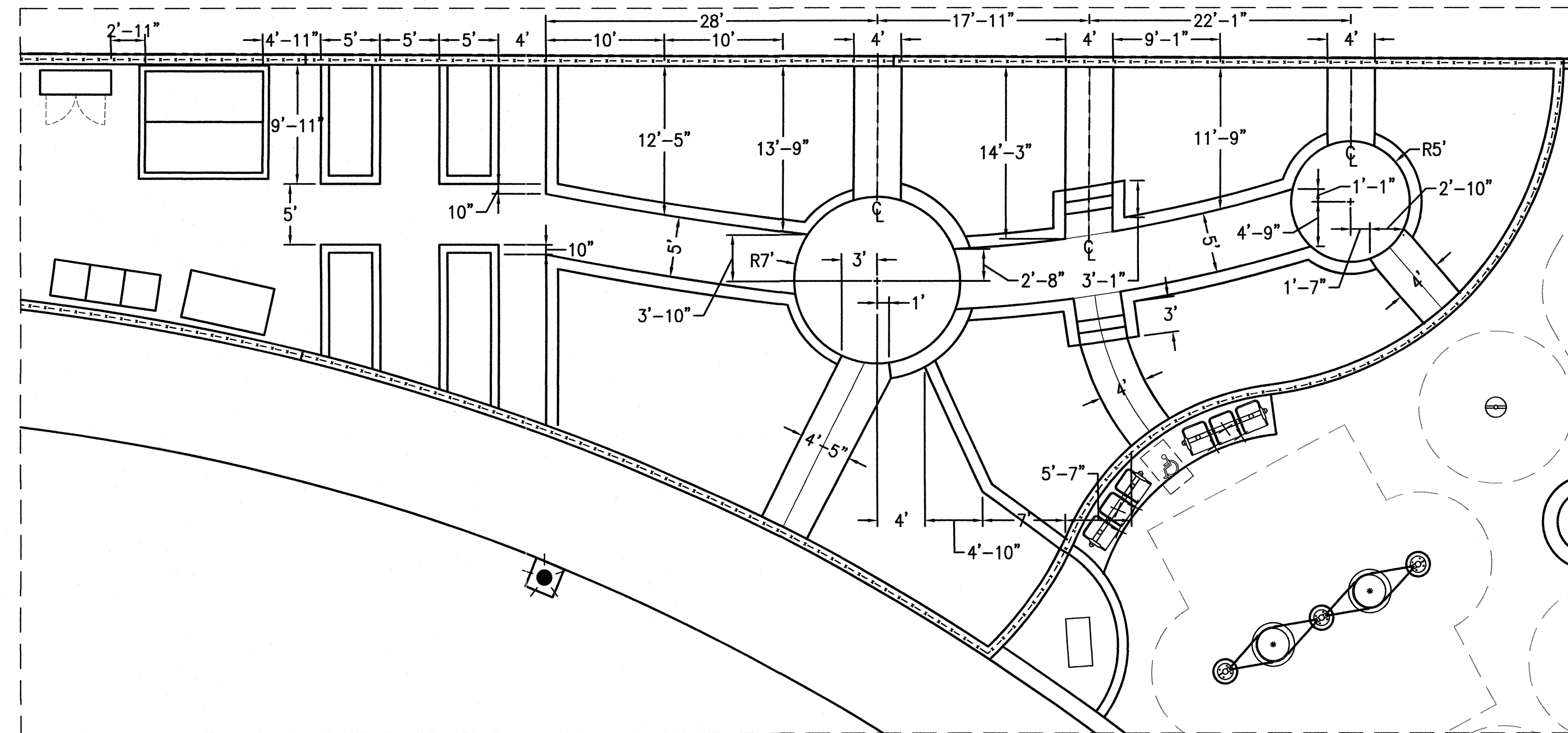
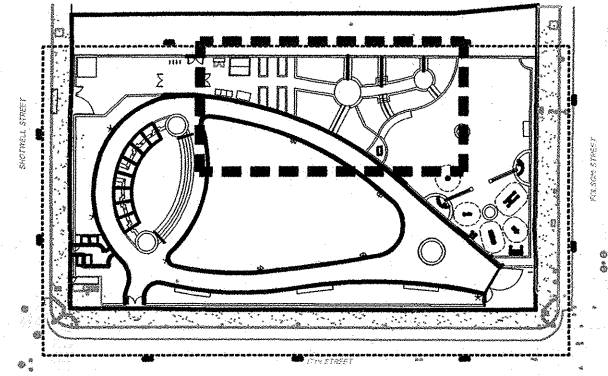
Drawn EB/KQ
Check [Signature]
Landscape Arch. EC [Signature]
Sr. Arch. [Signature]
Landscape Architect

Drawing Title
**LAYOUT PLAN
LINE AND CURVE TABLE**
Sheet No.
L-2.0
Job No. **3054V**

Line Table				Curve Table				
LINE #	LENGTH	NORTHING	EASTING	CURVE #	LENGTH	RADIUS	NORTHING	EASTING
L1	3.39	4795.42	9790.06	C1	96.16	262.27	4803.88	9873.43
L2	3.41	4798.87	9780.06	C2	74.90	178.04	4806.18	9799.12
L3	34.86	4833.52	9954.02	C3	13.40	7.48	4798.81	9790.06
L4	22.85	4813.98	9977.32	C4	4.37	12.85	4803.14	9780.91
C5	14.52	11.86	4816.66				4816.66	9779.13
C6	103.75	50.00	4900.53				4900.53	9798.64
C7	13.47	74.66	4902.08				4902.08	9812.00
C8	9.38	158.82	4901.56				4901.56	9821.37
C9	109.69	192.12	4860.70				4860.70	9921.56
C10	7.47	200.15	4855.93				4855.93	9927.32
C11	35.50	16.31	4820.01				4820.01	9913.27
C12	107.70	182.12	4847.69				4847.69	9921.55
C13	8.13	4.00	4891.12				4891.12	9824.70
C14	70.09	59.65	4885.83				4885.83	9820.42
C15	8.78	4.00	4821.79				4821.79	9803.96
C16	36.64	157.23	4814.90				4814.90	9805.78
C17	71.76	581.82	4811.02				4811.02	9842.13



KEY PLAN



BUILDING DESIGN & CONSTRUCTION



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17th AND FOLSOM STREET PARK

2080 FOLSOM STREET
SAN FRANCISCO, CA 94110

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No.	Date	Revisions
1		
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3		

Drawn EB/KQ
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Landscape Arch. EC
Sr. Arch. _____
Landscape Architect



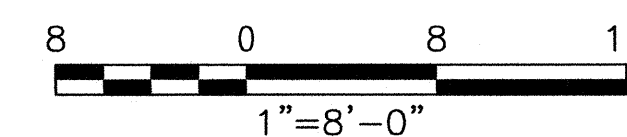
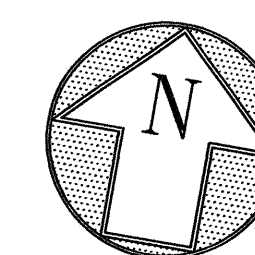
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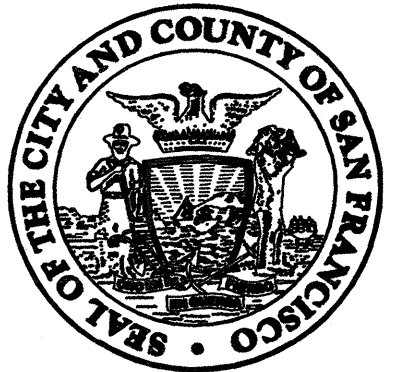
LAYOUT PLAN
ENLARGED

Sheet No. _____

L-2.2

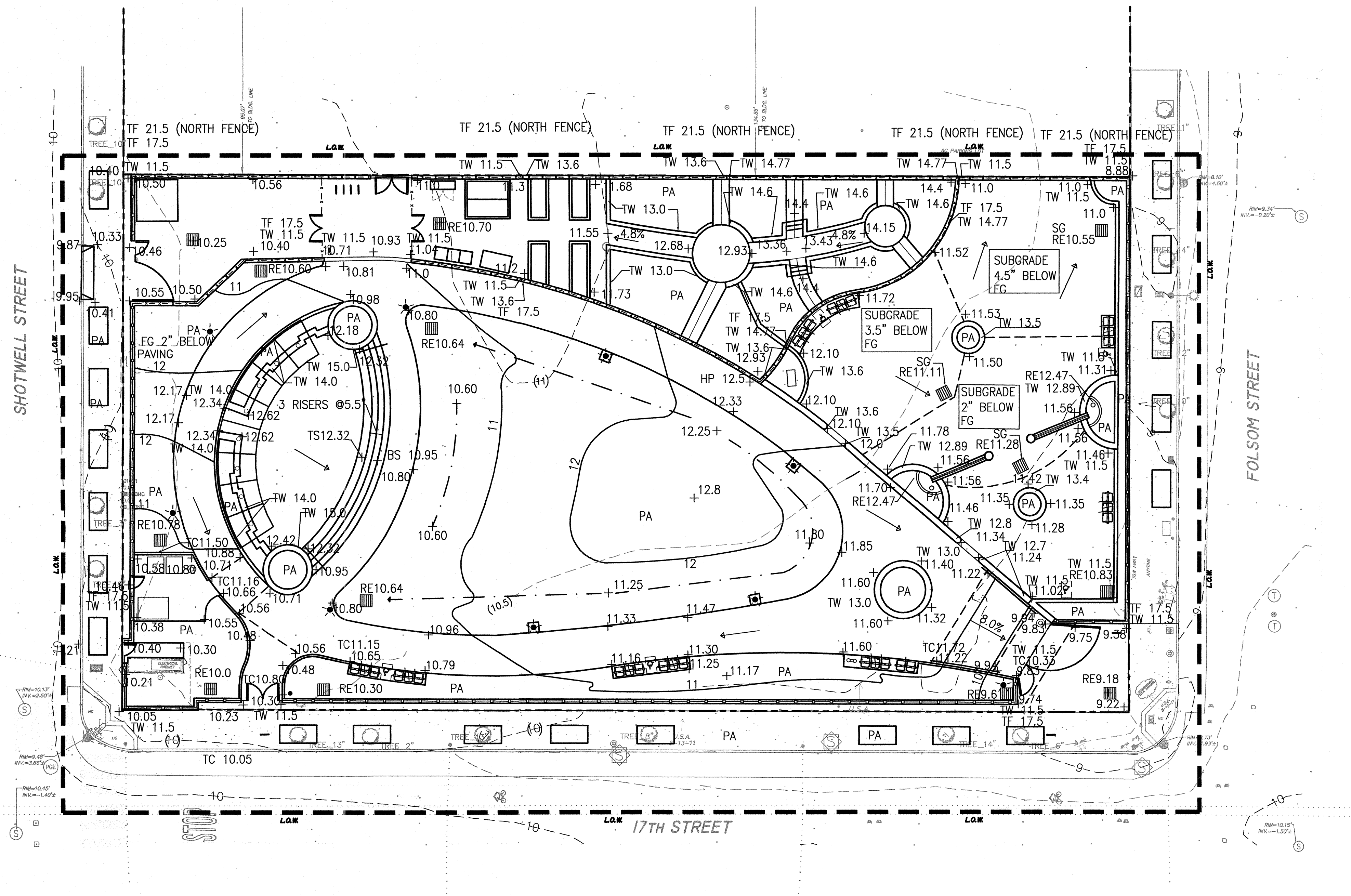
Job No. 3054V





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GRADING AND DRAINAGE LEGEND

+ (0.00)	EXISTING ELEVATION
+ 0.00	PROPOSED FINISH GRADE ELEVATION
69	PROPOSED CONTOUR
-(69)	EXISTING CONTOUR
→	DIRECTION OF DRAINAGE
FG	FINISH GRADE ELEVATION
SG	SUB GRADE ELEVATION
PA	PLANTING AREA
TF	TOP OF FENCE
TW	TOP OF WALL
RE	RIM ELEVATION
GB	GRADE BREAK
---	SWALE
▣	CATCH BASIN, INSTALL W/HEEL PROOF, NON DIRECTIONAL GRATES IN PAVED AREAS, SEE M DWGS
○	AREA DRAIN (2) (L-8,13)
⊂	FLUSH

CONTRACTOR TO FURNISH AND PLACE IMPORT TOP SOIL PER SPECIFICATIONS IN PLANTING AREAS TO MEET FINSH GRADES

Project
17th AND FOLSOM STREET PARK

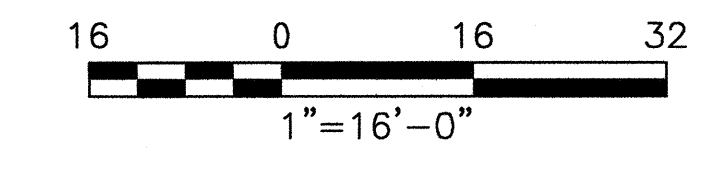
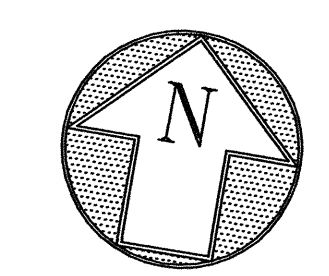
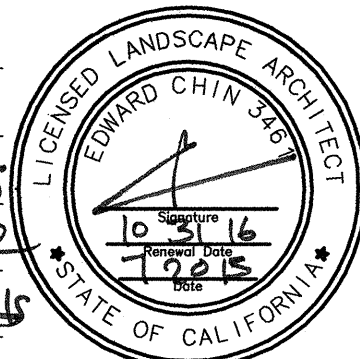
2080 FOLSOM STREET
SAN FRANCISCO, CA 94110

Consultant

Issue
100% BID SET

No.	Date	Revisions
1		
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3		

Drawn EBKQ
Check [Signature]
Landscape Arch. EC
Sr. Arch. [Signature]
Landscape Architect



Drawing Title
GRADING & DRAINAGE PLAN

Sheet No.
L-3.0

Job No.
3054V



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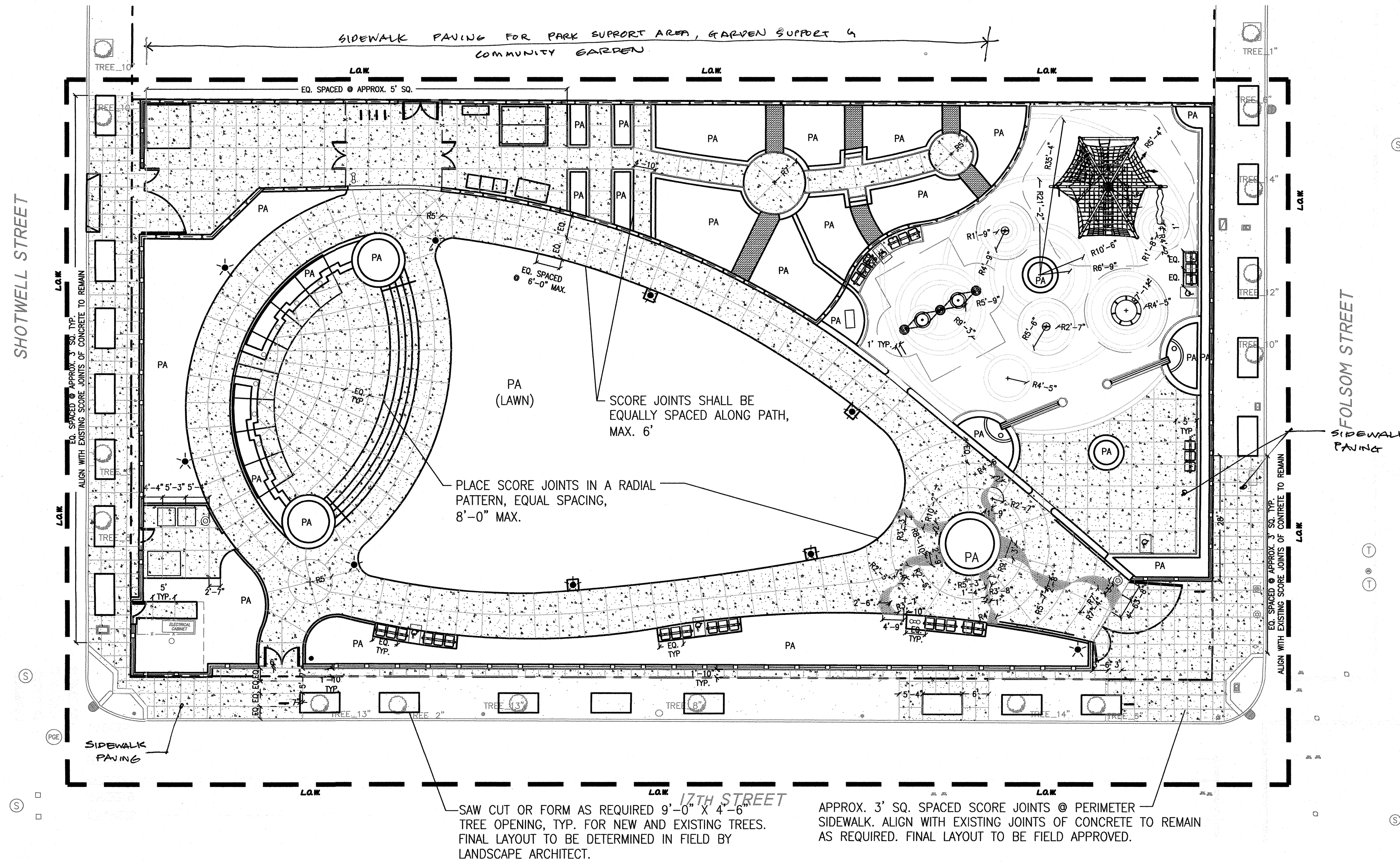
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PAVING PLAN

Sheet No. _____

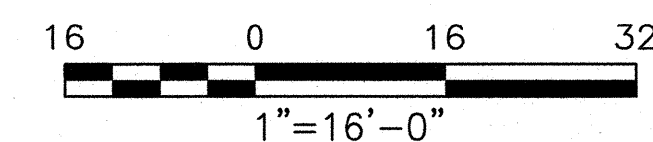
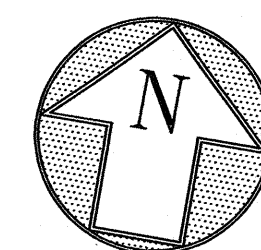
L-4.0

Job No. 3054V



LEGEND

	CONCRETE PAVING. SCORE JOINTS AS SHOWN, EQUALLY SPACED 6' MAX. FINAL LAYOUT TO BE FIELD APPROVED BY CITY REPRESENTATIVE W/ INTEGRAL COLOR	1 L-8.0
	CONCRETE PAVING W/ LITHOCRETE FINAL LAYOUT PER SHOP DRAWING ALTERNATE WORK	1 L-8.0
	SIDEWALK CONCRETE PAVING. SCORE JOINTS AS SHOWN, EQUALLY SPACED. FINAL LAYOUT TO BE FIELD APPROVED BY CITY REPRESENTATIVE W/ LITHOCRETE	1 L-8.0
	POURED IN PLACE SAFETY SURFACE. COLORS: BLUE (FIELD) AND LIGHT BLUE (BANDS)	4 L-8.0
	DECOMPOSED GRANITE	6 L-8.0
PA	PLANTING AREA	





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Landscape Arch. EC [Signature]
Sr. Arch. [Signature]
Landscape Architect



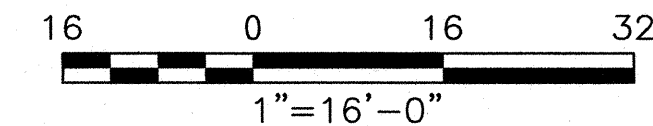
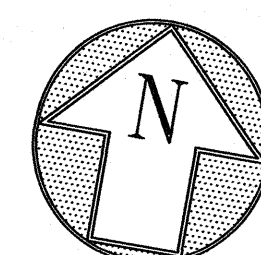
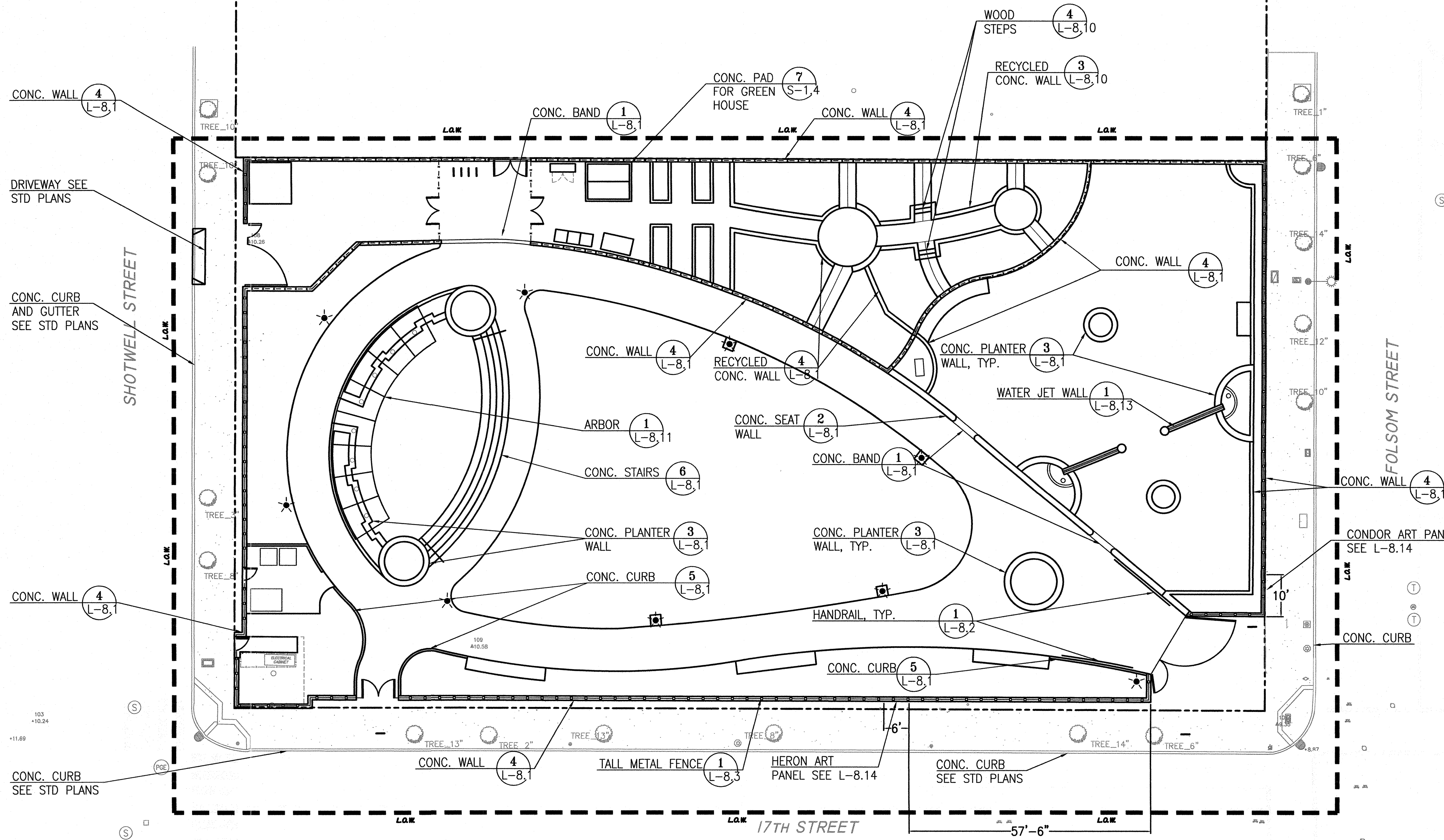
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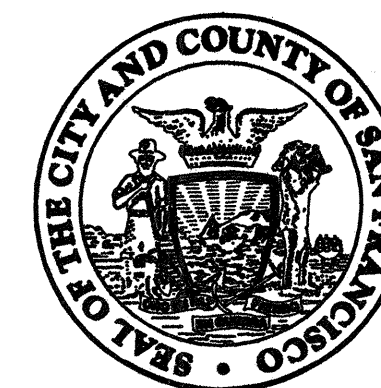
DETAIL REFERENCE PLAN

Sheet No. _____

L-5.0

Job No. 3054V





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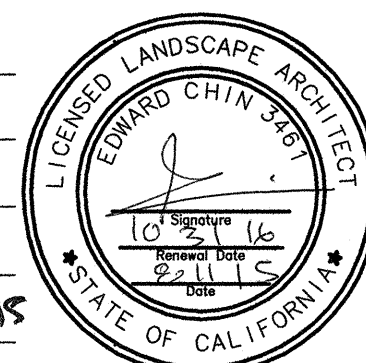
Consultant _____

Issue _____

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Drawn EB/KQ
Check *9/15*
Landscape Arch. EC
Sr. Arch. *8/15*



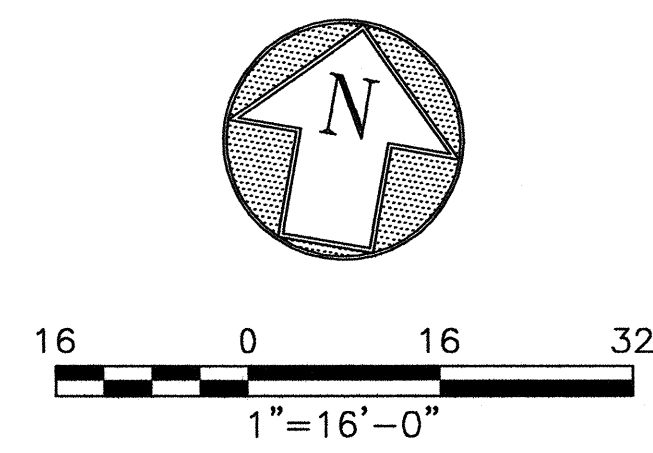
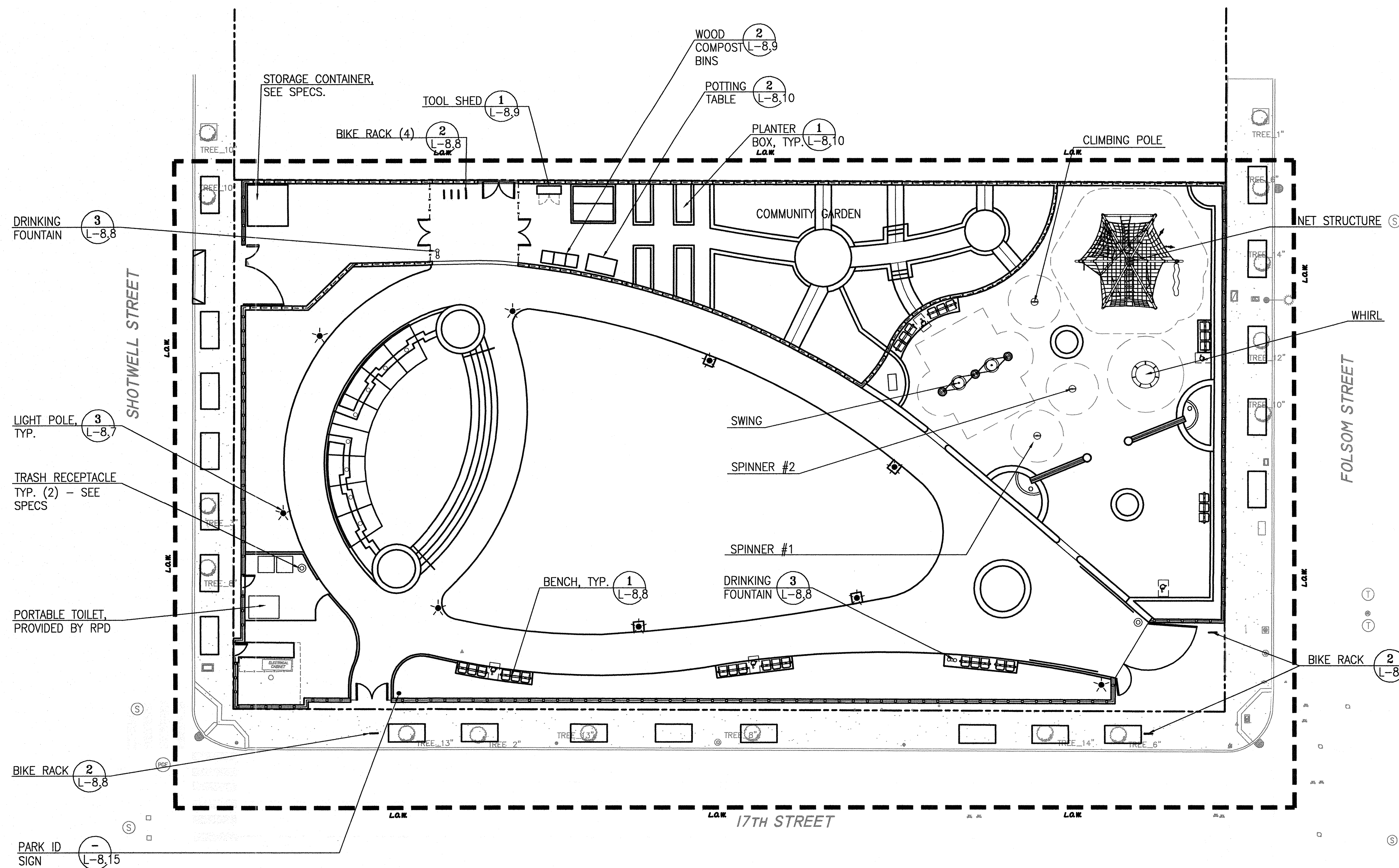
Drawing Title _____

PLAY EQUIPMENT AND
SITE FURNISHINGS
REFERENCE PLAN

Sheet No. _____

L-5.1

Job No. 3054V





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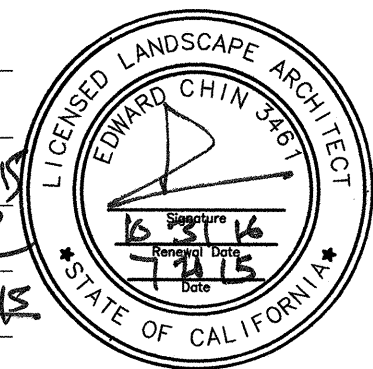
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Landscape Arch. EC [Signature]
Sr. Arch. [Signature]
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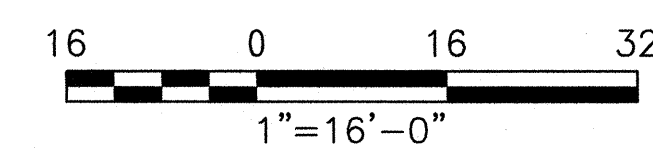
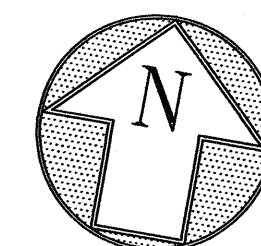
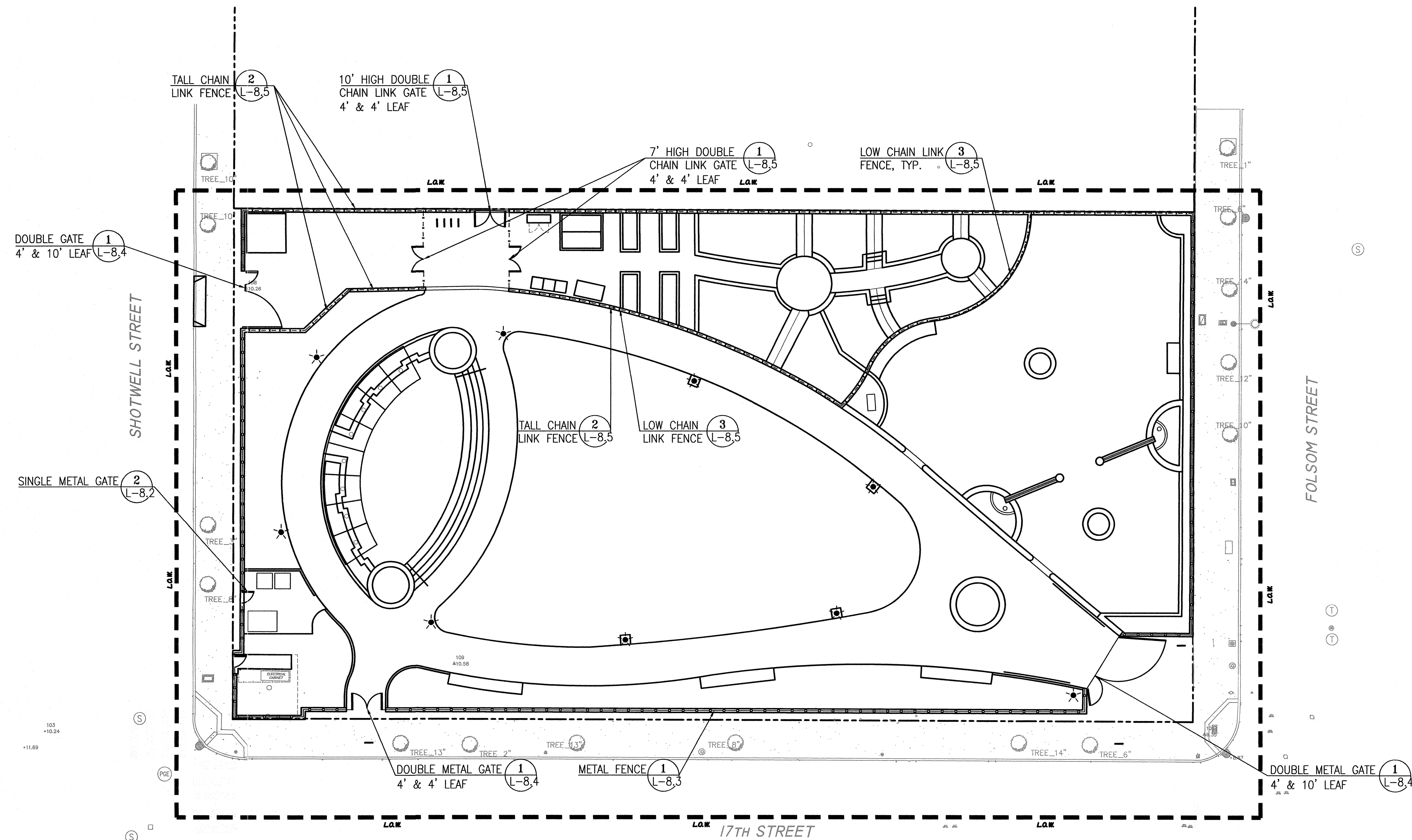
Drawing Title _____

DETAIL REFERENCE PLAN
FENCE AND GATE PLAN

Sheet No. _____

L-5.2

Job No. 3054V





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Project

17th AND FOLSOM STREET
PARK

2080 FOLSOM STREET
SAN FRANCISCO, CA 94110

Consultant

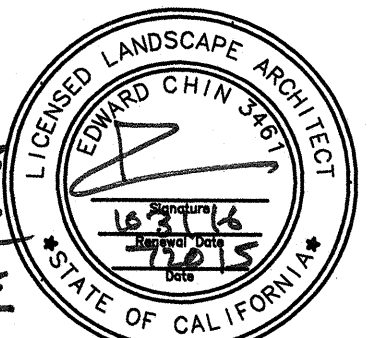
Issue

100% BID SET

07/15

No.	Date	Revisions
1	10/7/15	REBID
2		
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Drawn EB/KQ
Check
Landscape Arch. EC
Sr. Arch.
Landscape Architect



Drawing Title

IRRIGATION PLAN

Sheet No.

L-6.0

Job No. 3054V

ISSUED FOR REBID R2-NOV. 2015

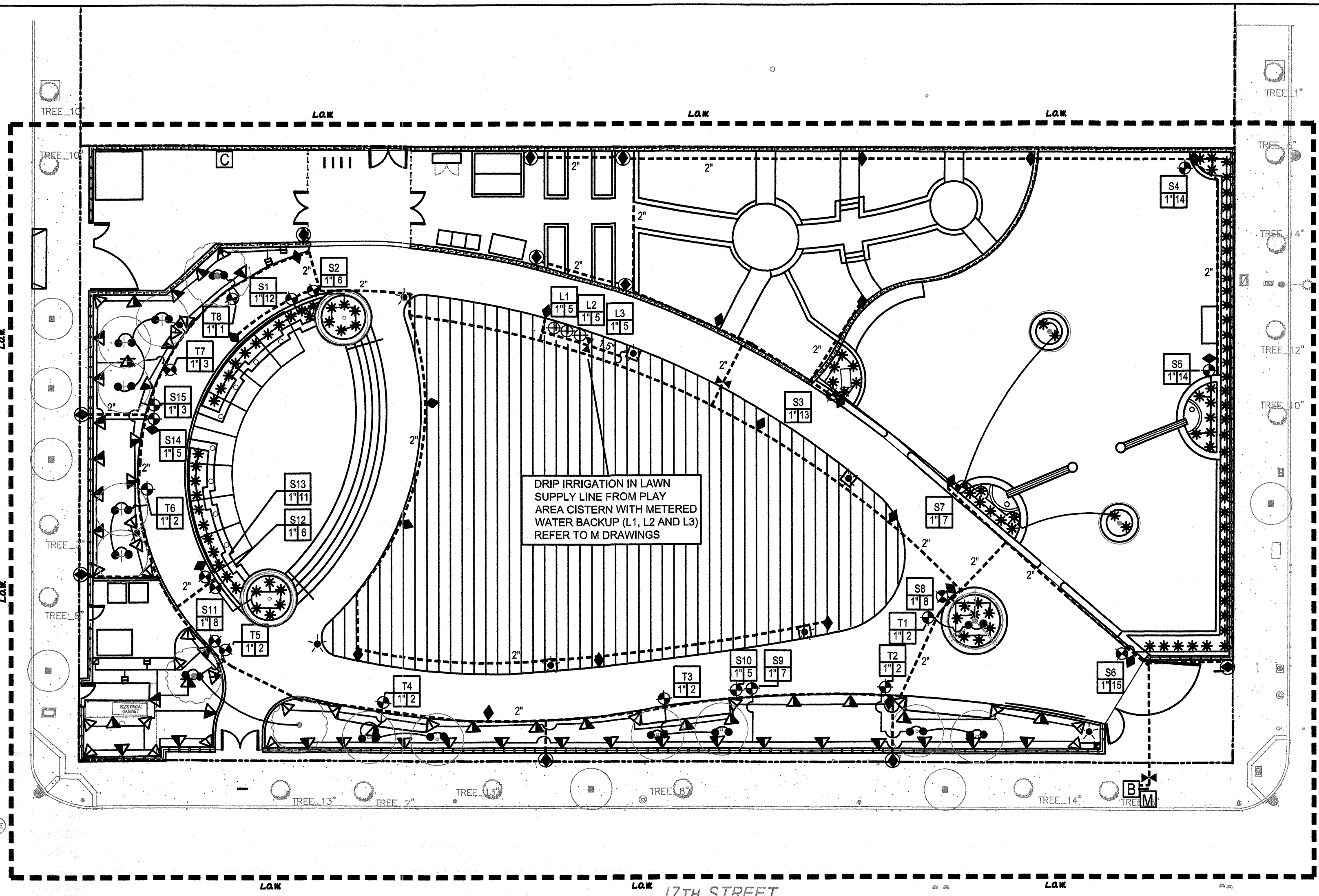
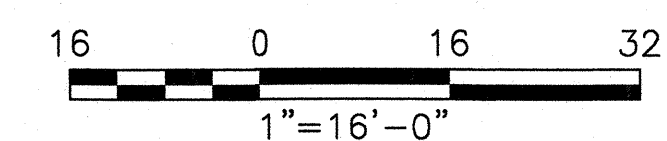
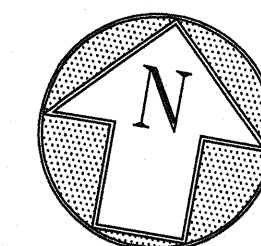
IRRIGATION LEGEND

SYMBOL	MANUF.	DESCRIPTION	EQUAL
-----	---	MAIN LINE: SCH. 40 GALVANIZED STEEL PIPE @ 18" DEPTH. SIZE AS INDICATED.	---
---	---	LATERAL LINE: PVC SCH 40 @ 12" DEPTH. SIZE AS INDICATED IN LATERAL PIPE SIZING SCHEDULE	---
M	---	(N) 2" WATER METER, BY SFWD, NEW INSTALLATIONS, PH: 415-551-2900. CONTRACTOR TO COORDINATE AND PAY FOR METER INSTALLATION AS PART OF CONTRACT. ALLOW 120 DAY LEAD TIME FOR SFWD WORK.	---
B	FEBCO	LEAD FREE BACKFLOW PREVENTER, 2", LF 1/2" WITH 120 MESH INLINE BASKET FILTER, INSTALL IN STAINLESS STEEL GUARDSHACK ENCLOSURE.	---
C	HUNTER	IC-3000-SS, WITH WIRELESS SOLAR SYNC MODULE AND TWO (2) REMOTE CONTROLS.	---
◀	NIBCO	BRASS GATE VALVE, 2"	RED & WHITE
◆	HUNTER	QUICK COUPLER, 1", HQ-44LRC WITH SPRING LOADED LOCKABLE CAP.	---
●	HUNTER	QUICK COUPLER, 1", HQ-44LRC IN ROUND TRAFFIC RATED CONCRETE BOX	---
⊕	HUNTER	IBV AND DRIP VALVE ASSEMBLY, SIZE AS INDICATED	BUCKNER
⊕	HUNTER	IBV, SIZE AS INDICATED	GPM ---
▣	HUNTER	ROTATOR SIDE STRIP: MPSS530	.44 ---
▣	HUNTER	ROTATOR: MPCORNER MPLCS515	.22 ---
▣	HUNTER	ROTATOR: MP CORNER MPRCS515	.22 ---
▲	HUNTER	ROTATOR: MP1000-90	.19 ---
▲	HUNTER	ROTATOR: MP1000-180	.37 ---
▲	HUNTER	ROTATOR: MP1000-270	.57 ---
▲	HUNTER	ROTATOR: MP1000-360	.75 ---
●	HUNTER	RZWS - 36" CV (36" TREE ROOT WATERING SYSTEM, 2 PER TREE)	.50 ---
*	HUNTER	PCB-10 (UMBRELLA BUBBLER)	1.0 ---
▨	HUNTER	ECO-MAT DRIP SYSTEM IN LAWN AREA, 8" DEPTH. ECO-MAT FED BY WATER FEATURE CISTERN W/ METER BACK UP. REFER TO M-DRAWINGS FOR CONNECTION.	15 ---

LATERAL PIPE SIZING SCHEDULE

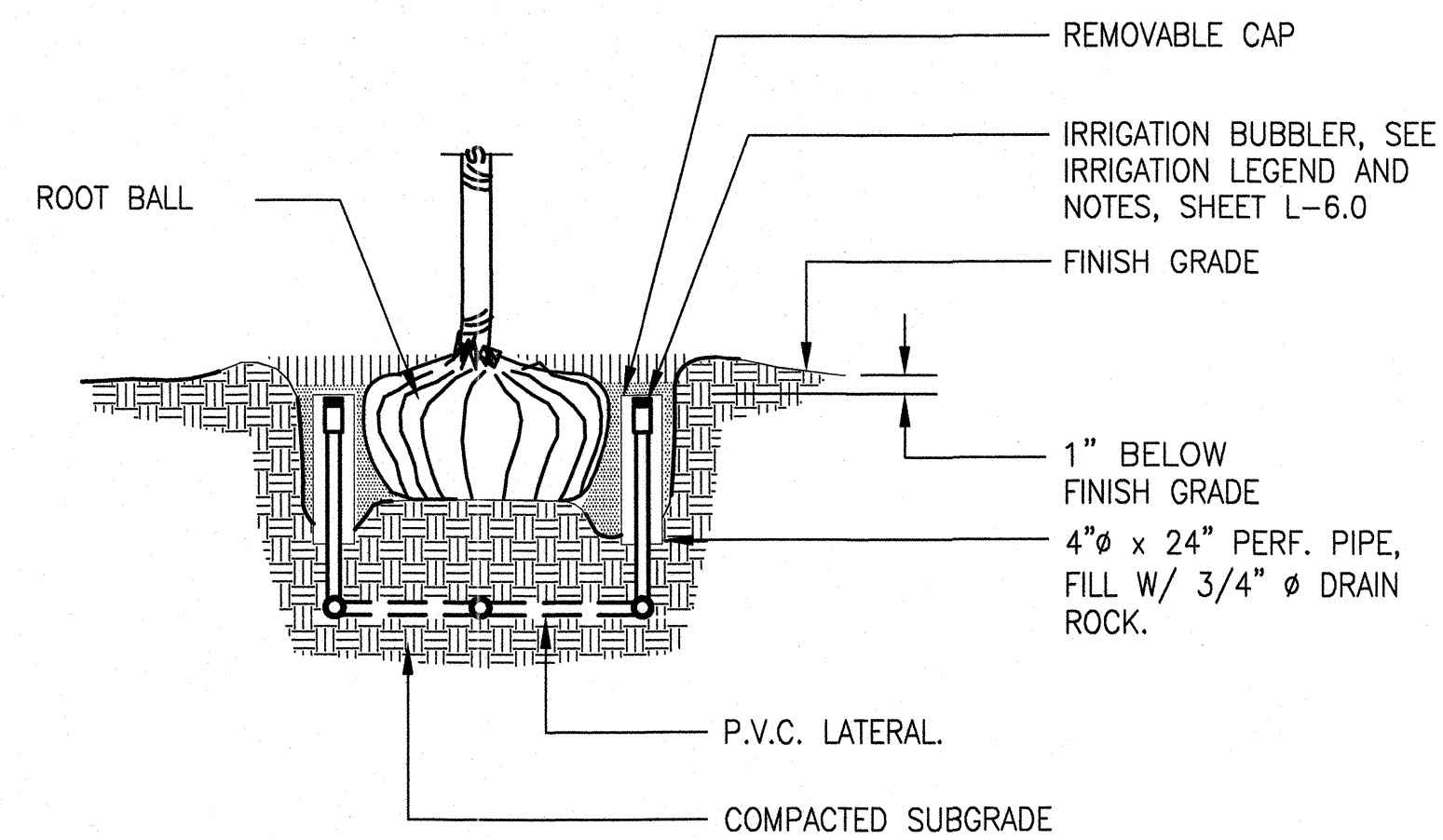
GPM	PIPE SIZE (NOMINAL SCH 40 PVC)
8 OR LESS	3/4" Ø
13	1" Ø
23	1 1/4" Ø

NOTE:
IRRIGATION PIPING DOWNSTREAM OF THE REMOTE CONTROL UNIT SHALL BE SIZED PER THE CHART ABOVE AND NOT INDICATED ON THE PLAN DRAWINGS. REFER TO THE IRRIGATION LEGEND FOR SPRINKLER FLOW RATES (GPM). NO PIPING DOWNSTREAM OF THE REMOTE CONTROL UNIT TO THE SPRINKLER SHALL BE SIZED SMALLER THAN THE SPRINKLER THREADED INLET SIZE.



IRRIGATION NOTES:

- THE IRRIGATION PLAN IS DIAGRAMMATIC AND DOES NOT SHOW EXACT LOCATIONS OF ALL PIPING, SLEEVES, VALVES, EQUIPMENT OR OTHER CONFLICTS. REFER TO DRAWINGS AND DETAILS AND INSTALL THESE ITEMS PARALLEL TO AND AS CLOSELY AS POSSIBLE TO CURBS, HEADERS OR PAVING EDGES UNLESS OTHERWISE INDICATED.
- ALL WORK SHALL CONFORM TO STATE AND LOCAL CODES.
- THESE NOTES AND IRRIGATION PLAN GOVERN IRRIGATION INSTALLATION ONLY AND ARE NOT INTENDED TO GOVERN OTHER WORK.
- VERIFY AND COORDINATE PROPOSED LOCATION OF POINT OF CONNECTION AND IRRIGATION EQUIPMENT AND MAIN LINE PRIOR TO COMMENCEMENT OF WORK. ANY DISCREPANCY BETWEEN THE DRAWINGS AND FIELD CONDITIONS WHICH AFFECTS IRRIGATION LAYOUT OR FUNCTIONALITY SHALL BE BROUGHT TO THE ATTENTION OF THE CITY REPRESENTATIVE PRIOR TO COMMENCEMENT OF TRENCHING.
- THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION OF A COMPLETELY OPERATIONAL IRRIGATION SYSTEM THAT PROVIDES 100% HEAD TO HEAD COVERAGE TO PLANTED AREAS. THE WORK OF THE CONTRACT INCLUDES ADJUSTMENTS TO THE SYSTEMS INDICATED, INCLUDING QUANTITIES OF PIPING, HEADS, NOZZLES & OTHER EQUIPMENT, AS NECESSARY TO ASSURE 100% HEAD TO HEAD COVERAGE.
- IRRIGATION HEADS MUST AVOID OVERSPRAY ONTO PAVEMENT PER CODE. MINOR ADJUSTMENTS OF HEAD TYPE, NOZZLE TYPE, QUANTITY AND CONFIGURATION MAY BE REQUIRED AT NO ADDITIONAL COST TO THE PROJECT TO ACHIEVE CONFORMANCE TO CODE AND COVERAGE REQUIREMENTS.
- INSTALL ALL CONTROL WIRING IN SCHEDULE 40 PVC SLEEVES, SIZE AS REQUIRED FOR EASE OF INSERTION/REMOVAL COMMON TRENCH WITH MAINLINE WHERE POSSIBLE WITH A MINIMUM HORIZONTAL DISTANCE OF 4" BETWEEN LINES AND WITH NO LINE ABOVE ANOTHER. INSTALL ALL PIPING CROSSING UNDER PAVING IN SCH 40 GALVANIZED STEEL SLEEVES OF SUFFICIENT SIZE TO ALLOW FOR EASY INSERTION AND REMOVAL.
- ALL CONTROL AND QUICK COUPLER VALVES SHALL BE INSTALLED IN PLANTED AREAS IN PROXIMITY TO PATHWAYS AND OTHER VALVE BOXES PER THE DETAILS, UNLESS OTHERWISE INDICATED. MAINLINE PIPING AND LATERAL PIPING SHALL BE INSTALLED IN PLANTED AREAS EXCEPT WHERE CROSSING PATH AS INDICATED ON DRAWINGS.
- INSTALL QUICK COUPLERS LOCATED IN PAVING IN 8" TRAFFIC RATED CONCRETE BOXES WITH BOLT DOWN LIDS.
- ALL IRRIGATION EQUIPMENT AND SPRAY SHALL BE ADJUSTED TO AVOID CONFLICT WITH UTILITY BOXES, ELECTROLIERS, FIRE HYDRANTS, AND DRAINAGE PIPE. SEE SEPARATE DRAWINGS FOR FURTHER INFORMATION.
- COORDINATE WORK WITH ALL APPROPRIATE TRADES FOR THE INSTALLATION OF PIPING, PIPE SLEEVES AND ELECTRICAL CONDUIT PRIOR TO COMMENCEMENT OF TRENCHING.
- INSTALL EACH CONTROL VALVE AND ISOLATION VALVE IN A SEPARATE VALVE BOX THE PER DETAIL.
- SEE MANUFACTURERS INFORMATION AND INSTALLATION DETAILS FOR SUBSURFACE IRRIGATION SYSTEM. INSTALL PER MANUFACTURER'S RECOMMENDATION AND SPACING AFTER ACQUIRING SOIL SAMPLE, SEE SPECS.
- USE DOUBLE LAPPED TEFLON TAPE ON ALL THREADED CONNECTIONS.
- POP-UP SPRINKLER HEIGHT: INSTALL 12" IN GROUND COVER/ SHRUB AREAS.
- IF ANY IRRIGATION HEADS SUFFER FROM LOW HEAD DRAINAGE, INSTALL INLINE CHECK VALVES BELOW EACH HEAD AS NECESSARY, OR REPLACE THE IRRIGATION HEAD WITH ONE WITH BUILT IN CHECK VALVES.
- THE IRRIGATION SYSTEM HAS BEEN DESIGNED TO WORK WITH AN (E) STATIC WATER PRESSURE READING OF AT LEAST 40 PSI, AND AN AVAILABLE WATER SUPPLY OF 50 GPM; VERIFY PRIOR TO AND NOTIFY THE ENGINEER IMMEDIATELY IF THERE ARE DISCREPANCIES.
- INSTALL THE CONTROLLER AS INDICATED IN THE DRAWING. VERIFY WITH THE CITY REPRESENTATIVE THE EXACT INSTALLATION LOCATION AND PROXIMITY TO A 110 V SERVICE FOR THE CONTROLLER PRIOR TO INSTALLATION OF THE ELECTRICAL CONNECTION.
- ATTACH A ELECTRONICALLY PRODUCED LEGEND INSIDE THE CONTROLLER DOOR STATING THE AREAS COVERED BY EACH REMOTE CONTROL VALVE AND PRODUCE AN ELECTRON
- THE CONTRACTOR SHALL PRESSURE CHECK FOR FIVE HOURS THE MAIN PRESSURE SUPPLY LINE, WITH VALVES INSTALLED, AND RECEIVE INSPECTION A HARD COPY SIGN OFF FROM CITY REPRESENTATIVE PRIOR TO BACKFILLING ANY PART OF THE MAINLINE.
- WHEN THE CONSTRUCTION WORK HAS BEEN COMPLETED, THE WORK SITE SHALL BE CLEARED OF ALL DEBRIS AND RUBBISH RESULTING FROM THE IRRIGATION SYSTEM OPERATIONS AND LEFT IN A NEAT AND ORDERLY CONDITION.
- THE CONTRACTOR SHALL CONDUCT AN IRRIGATION SYSTEM COVERAGE TEST PRIOR TO PLANTING. THERE WILL BE A FINAL IRRIGATION INSPECTION CONDUCTED BY THE LANDSCAPE ARCHITECT PRIOR TO THE BEGINNING OF THE MAINTENANCE PERIOD.
- THE CONTRACTOR SHALL GUARANTEE THE ENTIRE IRRIGATION SYSTEM FOR ONE YEAR FROM DEFECTIVE MATERIALS AND WORKMANSHIP. REPAIR THE SYSTEM, AND ANY RESULTING DAMAGE TO THE SITE, AT NO COST TO THE CITY.

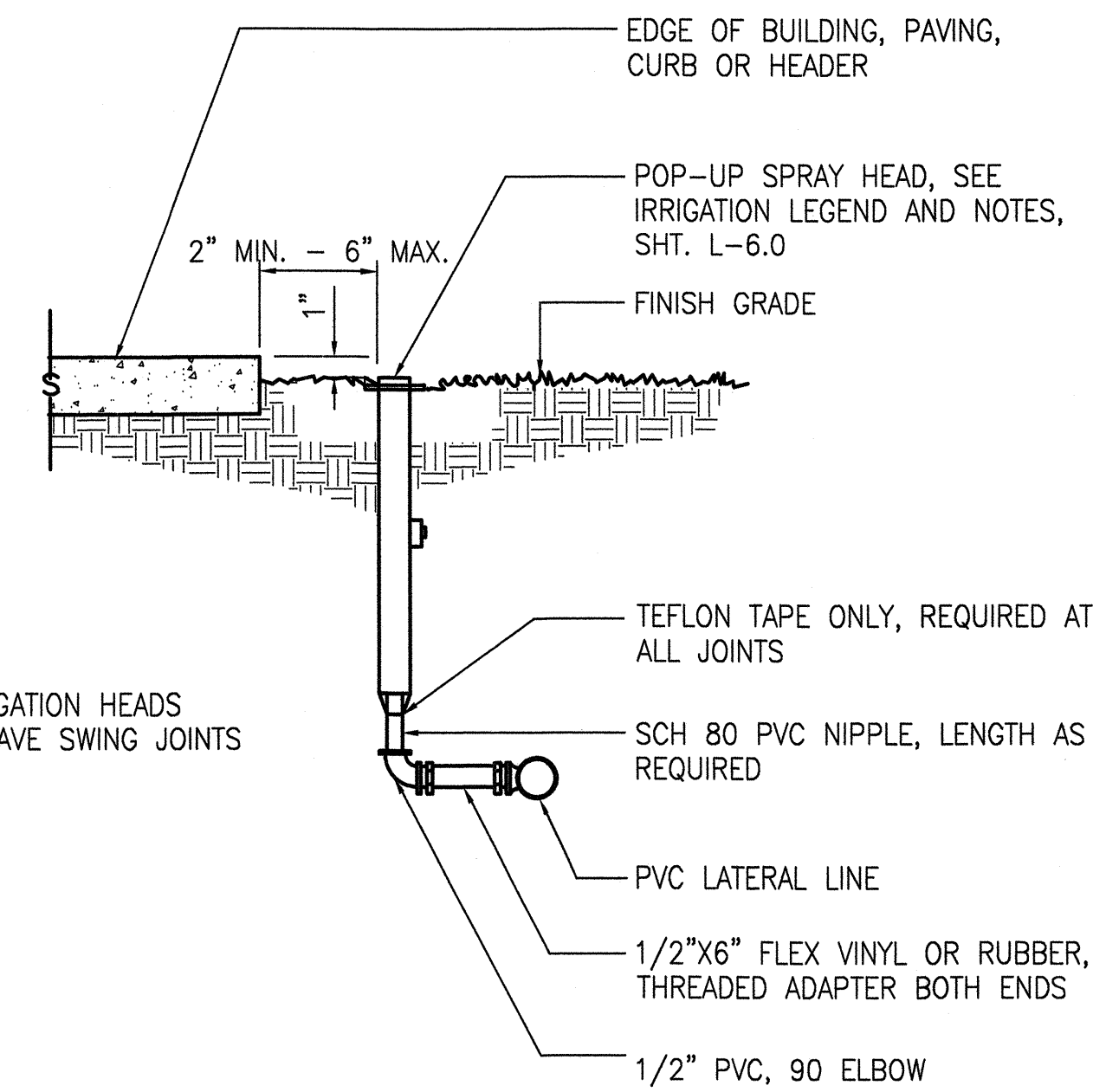


NOTE: CONTRACTOR TO PROVIDE
 (2) BUBBLERS PER TREE, SEE
 IRRIGATION PLAN SHEET L-6.0

BUBBLER INSTALLATION @ TREE PIT

NOT TO SCALE

1



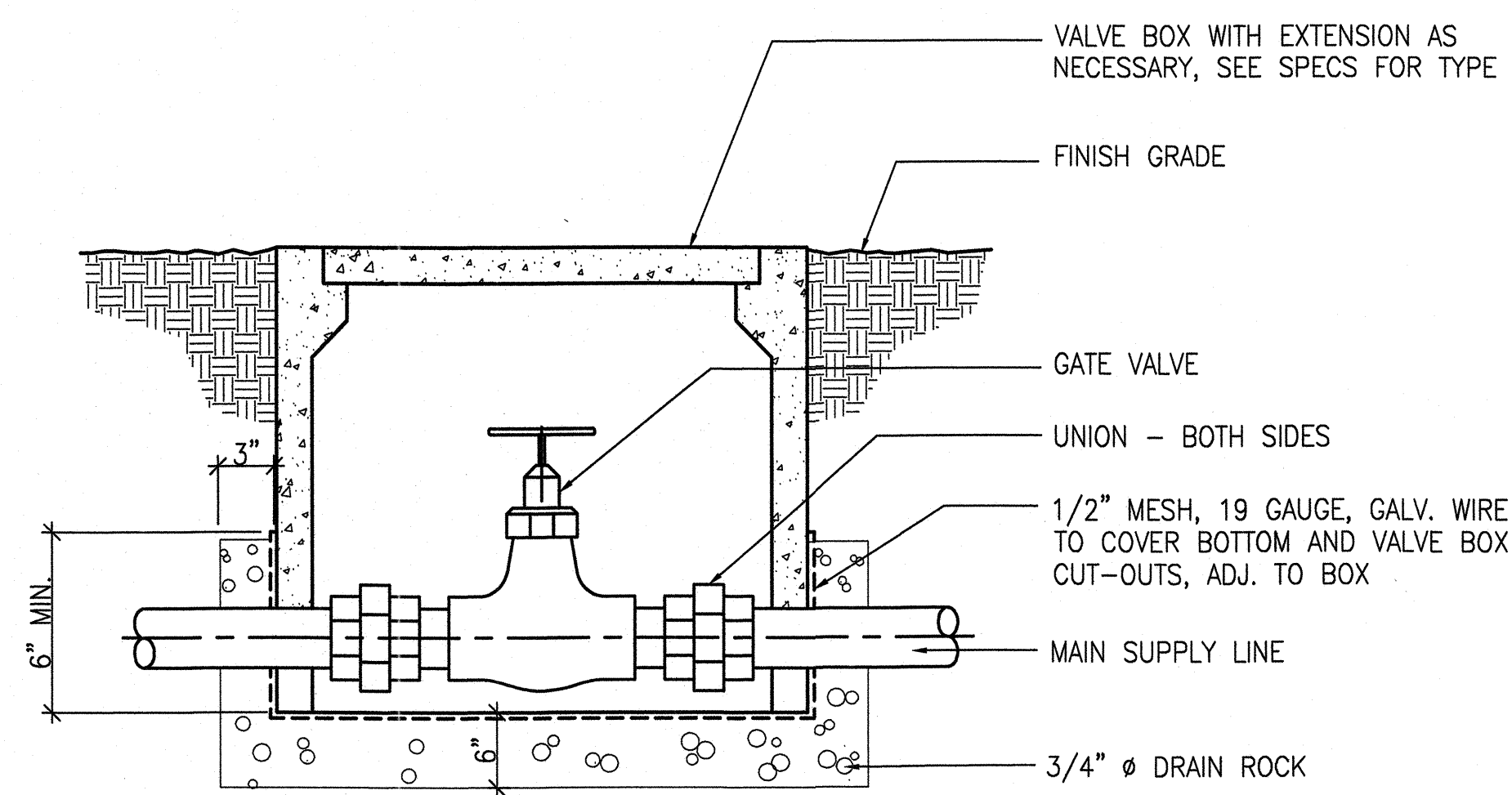
NOTE:

1. ALL IRRIGATION HEADS
 SHALL HAVE SWING JOINTS

POP-UP SPRAY HEAD

NOT TO SCALE

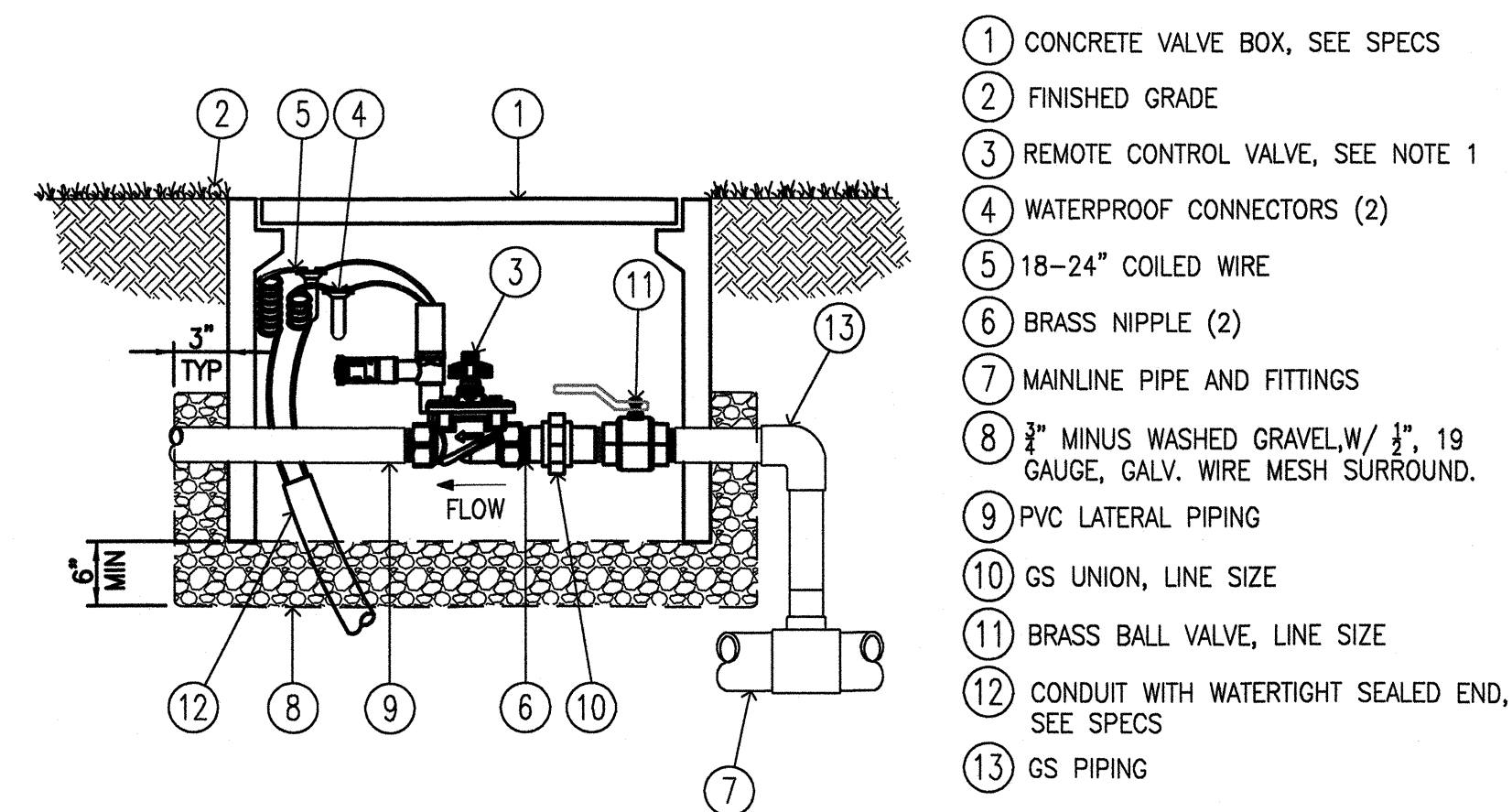
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GATE VALVE AND VALVE BOX

NOT TO SCALE

3

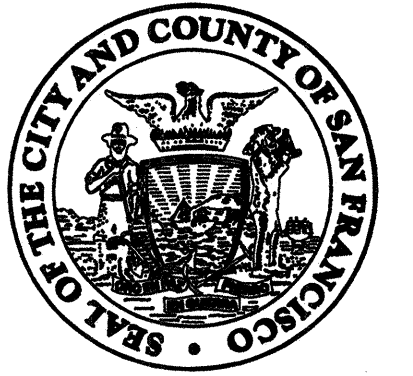


- ① CONCRETE VALVE BOX, SEE SPECS
- ② FINISHED GRADE
- ③ REMOTE CONTROL VALVE, SEE NOTE 1
- ④ WATERPROOF CONNECTORS (2)
- ⑤ 18-24" COILED WIRE
- ⑥ BRASS NIPPLE (2)
- ⑦ MAINLINE PIPE AND FITTINGS
- ⑧ 3/4" MINUS WASHED GRAVEL, W/ 1/2" 19 GAUGE, GALV. WIRE MESH SURROUND.
- ⑨ PVC LATERAL PIPING
- ⑩ GS UNION, LINE SIZE
- ⑪ BRASS BALL VALVE, LINE SIZE
- ⑫ CONDUIT WITH WATERTIGHT SEALED END, SEE SPECS
- ⑬ GS PIPING

REMOTE CONTROL VALVE

NOT TO SCALE

4



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 PARK

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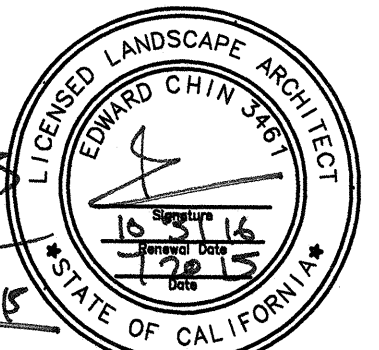
Consultant _____

Issue _____

100% BID SET

No.	Date	Revisions
1		
2		
3		

Drawn EB/KQ
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 Landscape Architect



Drawing Title _____

IRRIGATION DETAILS

Sheet No. _____

L-6.1

Job No. 3054V



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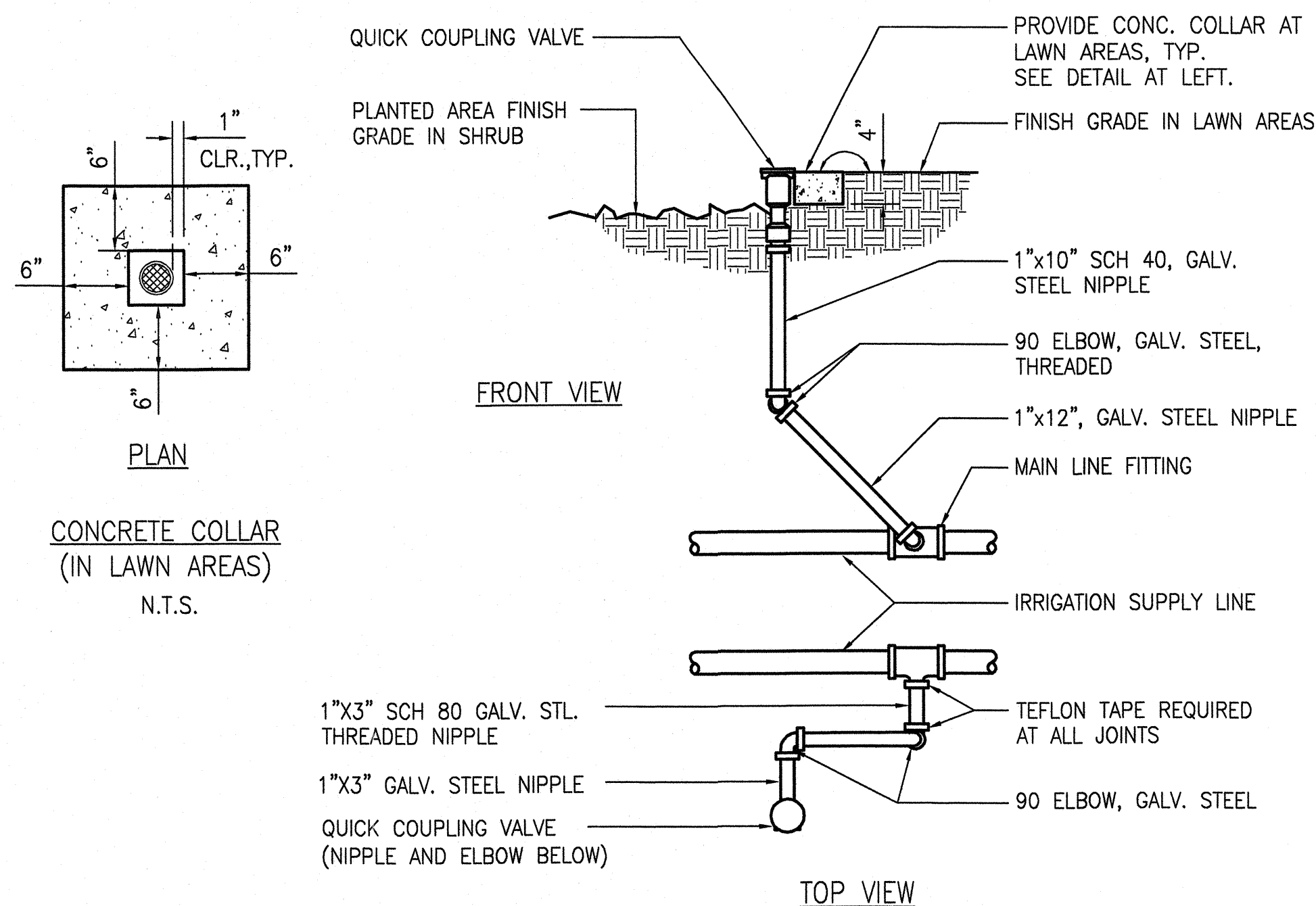
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IRRIGATION DETAILS

Sheet No. _____

L-6.2

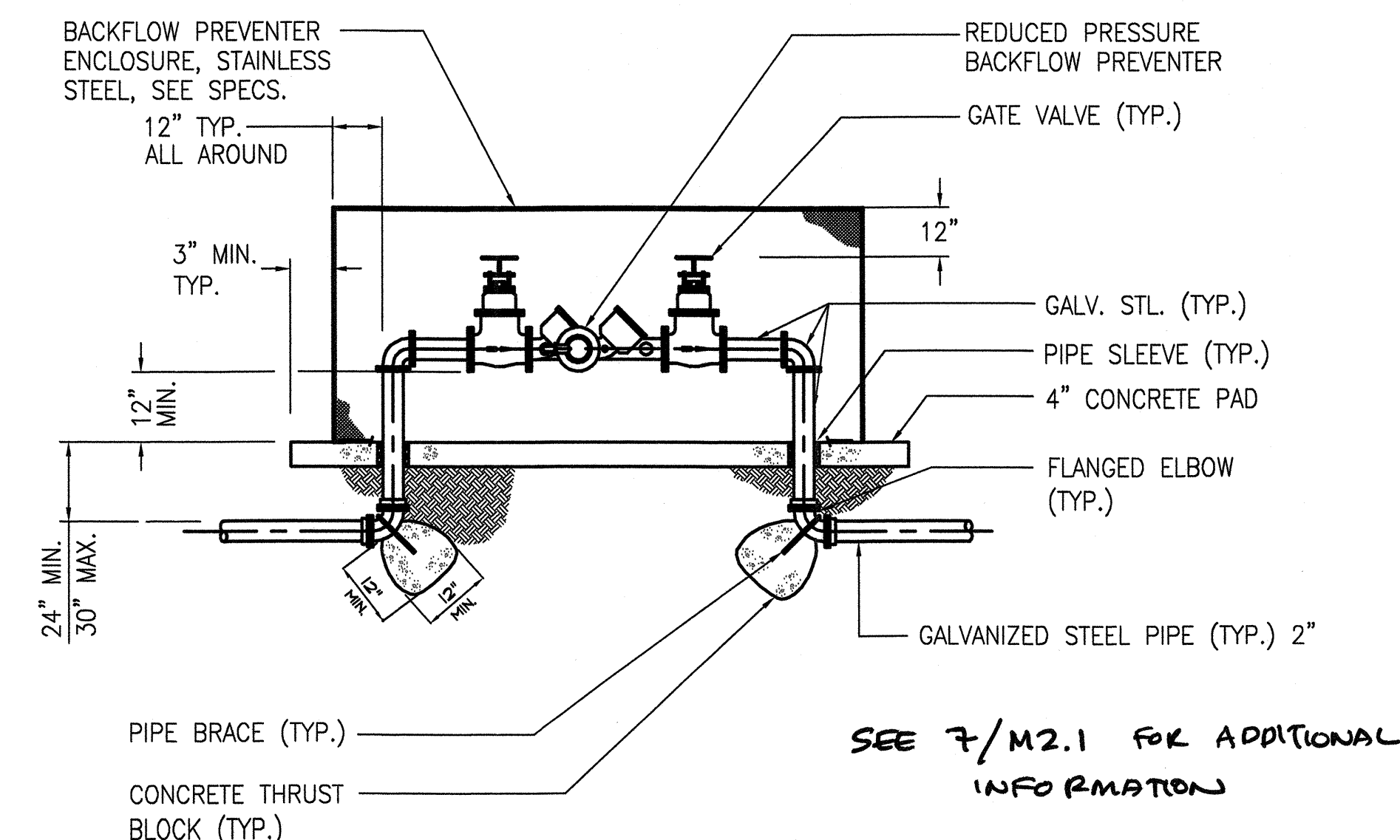
Job No. 3054V



QUICK COUPLING VALVE

NOT TO SCALE

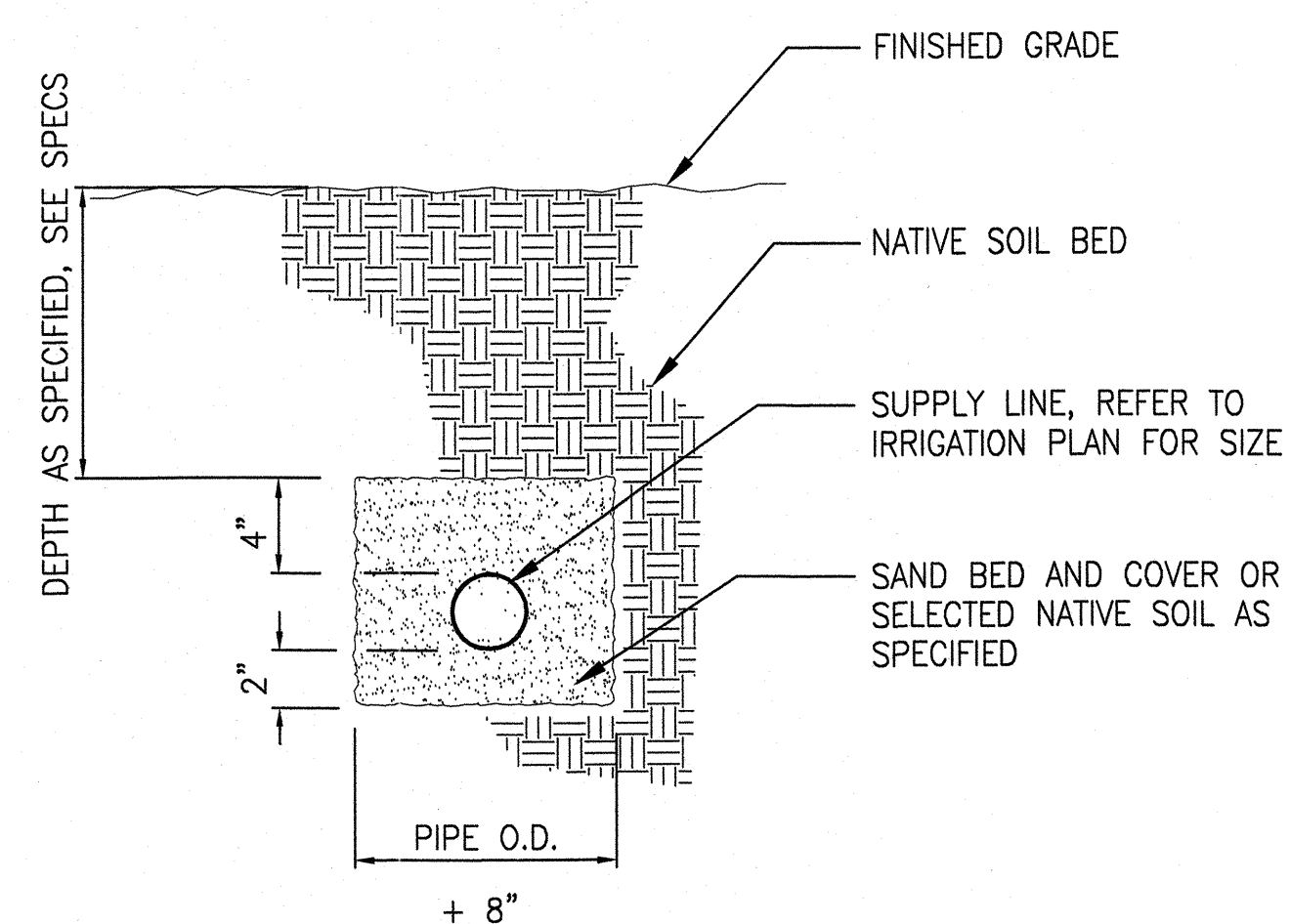
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BACKFLOW PREVENTER INSTALLATION

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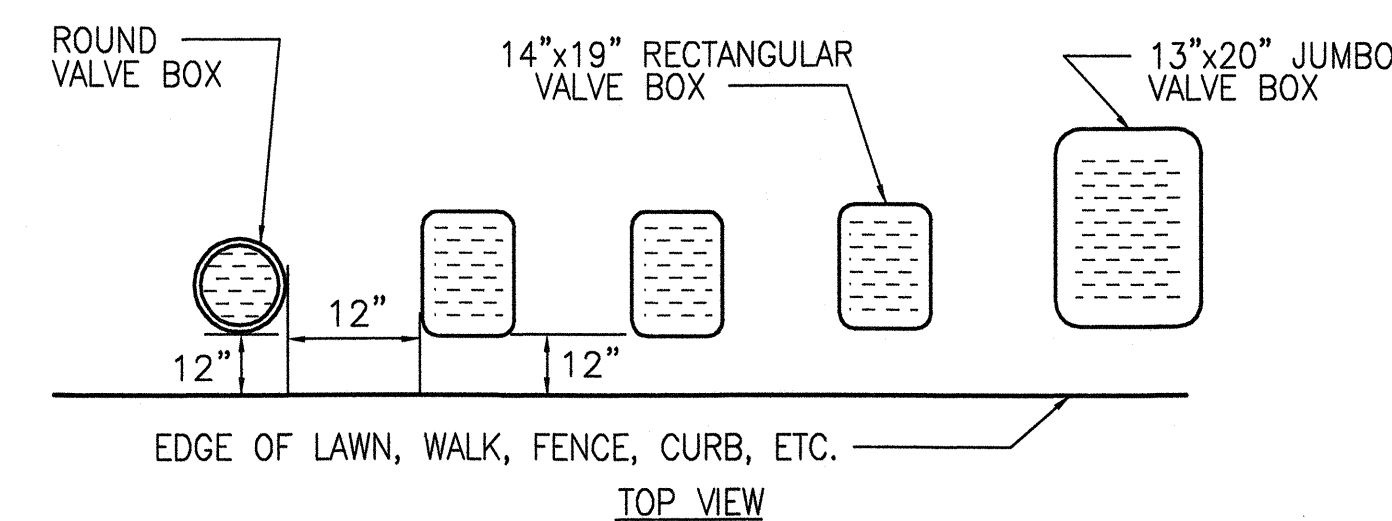
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IRRIGATION SUPPLY LINE

NOT TO SCALE

3



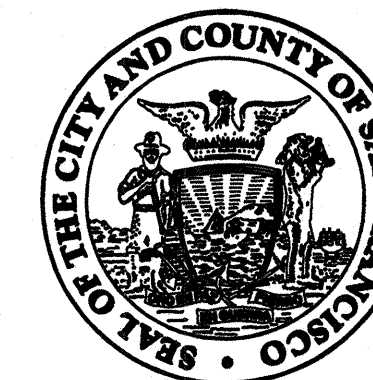
NOTES:

- CENTER BOX OVER VALVE TO FACILITATE SERVICING VALVE.
- SET BOXES 1" ABOVE FINISH GRADE OR MULCH COVER IN GROUND COVER/SHRUB AREA AND FLUSH WITH FINISH GRADE IN TURF AREA.
- SET VALVE BOX ASSEMBLY IN GROUND COVER/SHRUB AREA WHERE POSSIBLE. INSTALL IN LAWN AREA ONLY IF GROUND COVER/SHRUB AREA DOES NOT EXIST ADJACENT TO LAWN.
- SET BOXES PARALLEL TO EACH OTHER AND PERPENDICULAR TO EDGE.
- AVOID HEAVILY COMPACTING SOIL AROUND VALVE BOX EDGES TO PREVENT COLLAPSE AND DEFORMATION OF VALVE BOX SIDES.
- VALVE BOXES SHALL HAVE BOLT DOWN LIDS WITH BOLTS INSTALLED.

VALVE BOX INSTALLATION DETAIL

NOT TO SCALE

4



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PARK

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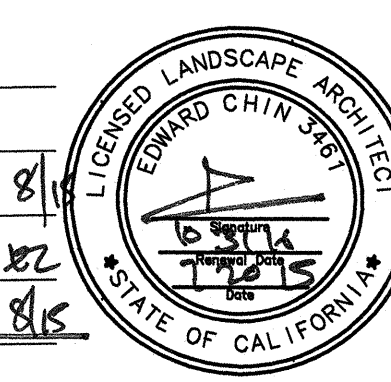
Consultant _____

Issue _____

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No.	Date	Revisions
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Drawn EB/KQ
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Sr. Arch. [Signature]
Landscape Architect



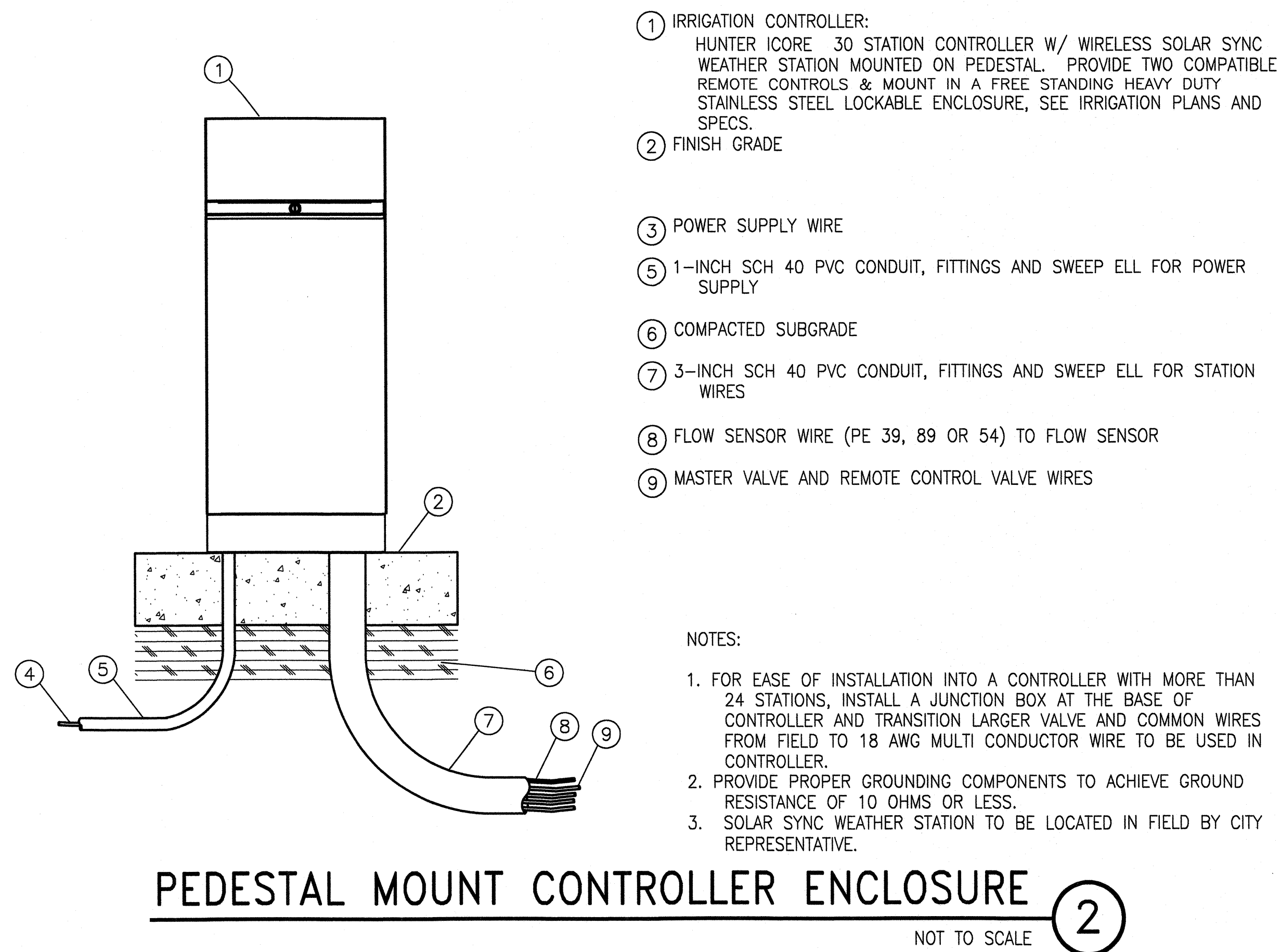
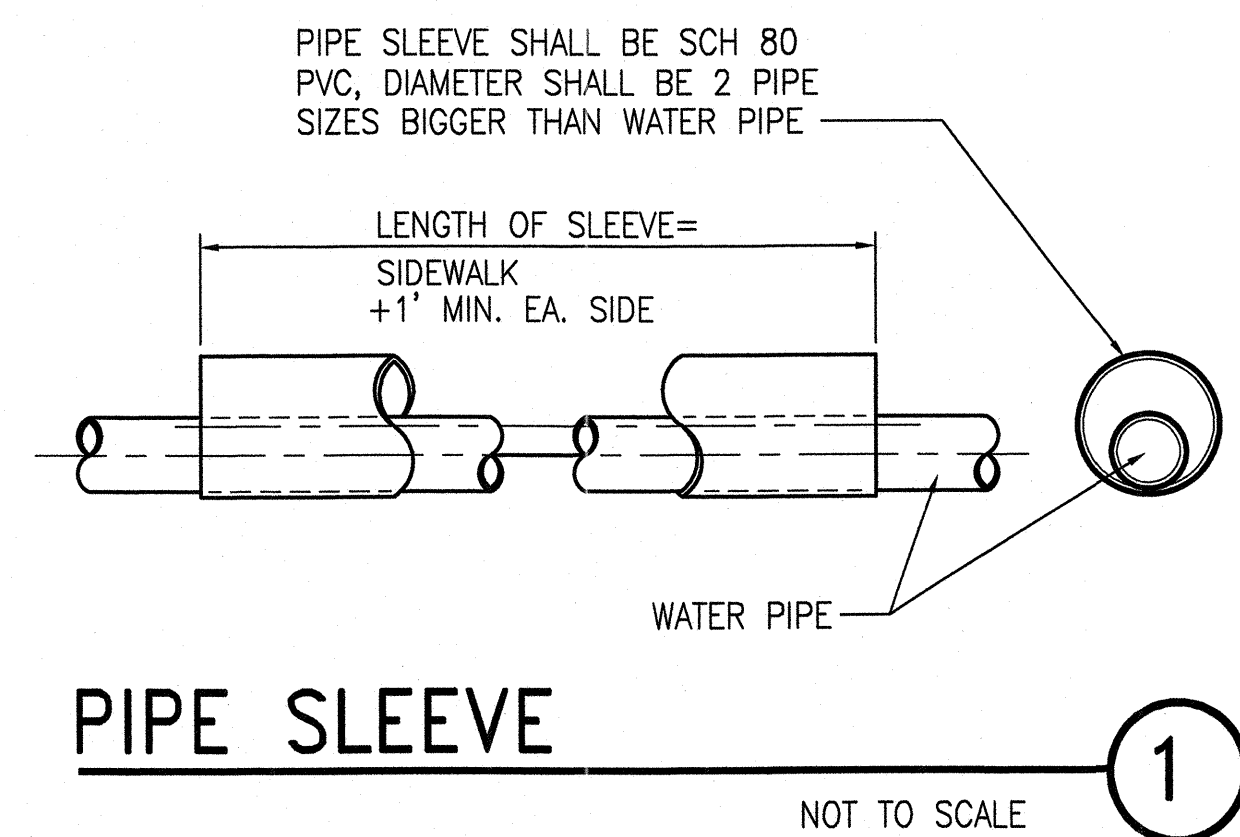
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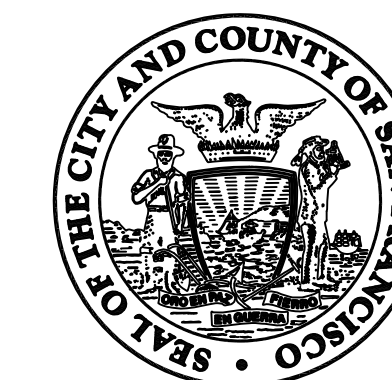
IRRIGATION DETAILS

Sheet No. _____

L-6.3

Job No. 3054V





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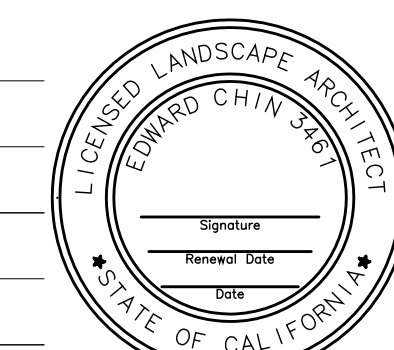
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Issue _____

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No.	Date	Revisions
1	9/4/15	ADDENDUM 1
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Sr. Arch. _____
Landscape Architect



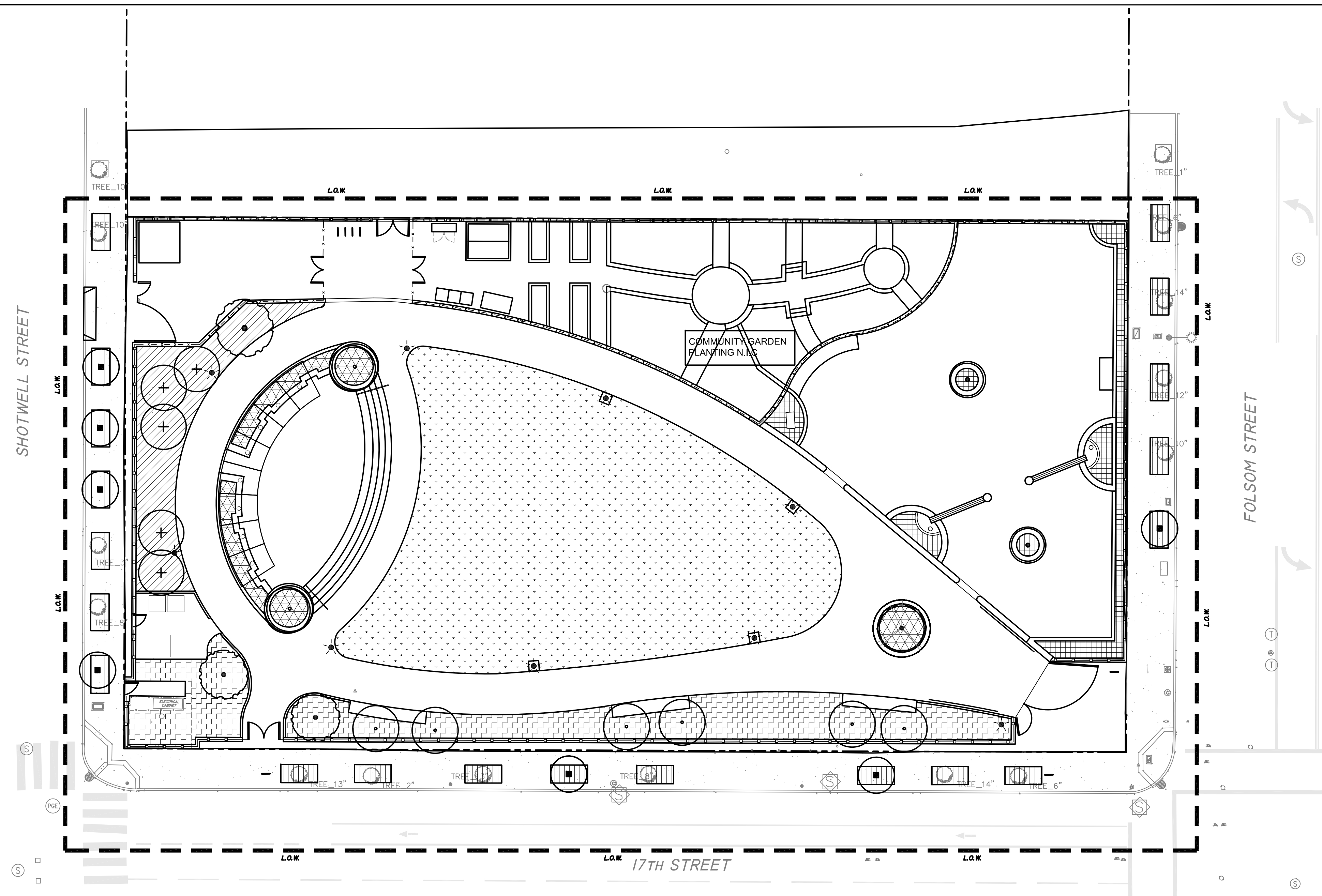
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PLANTING PLAN

Sheet No. _____

L-7.0

Job No. 3054V



17th & FOLSOM PARK PLANT LIST

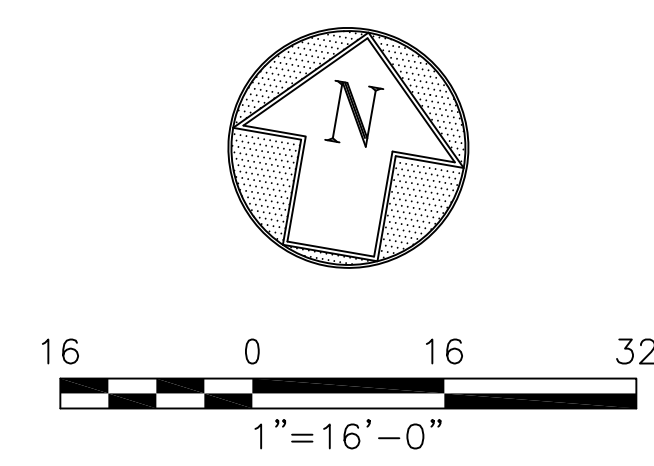
TREES						
SYMBOL	SIZE	BOTANICAL NAME	COMMON NAME	SPACING	WATER USE	QUANTITY
	24" BOX	CHAMAEROPS HUMILIS (3-5 TRUNKS)	MEDITERRANEAN FAN PALM	AS SHOWN	L	2
	24" BOX	ARBUTUS 'MARINA' (MULTI-TRUNK)	MARINA ARBUTUS	AS SHOWN	L	5
	24" BOX	LYONOTHAMNUS FLORIBUNDUS 'ASPLENIFOLIUS'	CATALINA IRONWOOD	AS SHOWN	L	6
	24" BOX	AESCULUS CALIFORNICA	CALIFORNIA BUCKEYE	AS SHOWN	L	3
	48" BOX	ARBUTUS X. (MULTI-TRUNK SPECIMEN)	MADRONE	AS SHOWN	L	1
	24" BOX	JACARANDA MIMOSIFOLIA (STANDARD)	JACARANDA	AS SHOWN	L	7
	24" BOX	JACARANA MIMOSIFOLIA (MULTI-TRUNK)	JACARANDA	AS SHOWN	L	2

SOD						
SYMBOL	KEY	SIZE	BOTANICAL NAME	COMMON NAME	SPACING	WATER USE QUANTITY
	-	SOD	TIFWAY II BERMUDA	RYE OVERSEEDED BERMUDA GRASS SOD	-	M 6,589 SF

- EXISTING TREE

PLANTING NOTES

- ALL PLANTING LISTED ON THIS SHEET SHALL BE PLANTED AS PART OF BASE BID
- PLANTING LEGEND CONTINUED ON SHEET L-7.1
- ALL TREES SHALL BE APPROVED BY PROJECT LANDSCAPE ARCHITECT WITH PHOTOGRAPHS PRIOR TO DELIVERY TO SITE





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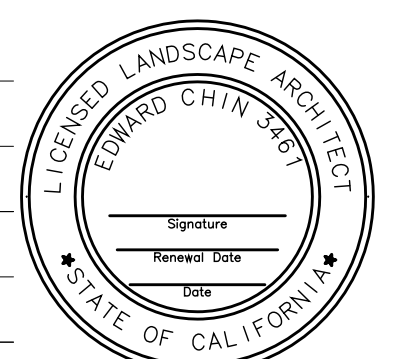
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1	9/4/15	ADDENDUM 1
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Landscape Architect



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PLANTING LEGEND

Sheet No. _____

L-7.1

Job No. 3054V

17th & FOLSOM PARK PLANT LIST

SYMBOL	SIZE	BOTANICAL NAME	COMMON NAME	SPACING	WATER USE	QUANTITY
PLAYGROUND PLANTERS - 481 SF						
[Grid]	1 GAL	ERICAMERIA LARICIFOLIA	TURPENTINE BUSH	2' O.C.	L	-6
[Grid]	1 GAL	SEDUM SPECTABILIS	SHOWY STONEGROP	2' O.C.	L	12
[Grid]	1 GAL	ZAUSCHERIA CALIFORNICA	CALIFORNIA FUCHSIA	2' O.C.	L	6
[Grid]	1 GAL	ENCELIA CALIFORNICA	COAST SUNFLOWER	2' O.C.	L	6
[Grid]	1 GAL	GALLARDIA PULCHELLA	INDIAN BLANKET	2' O.C.	L	6
[Grid]	1 GAL	OREGANEUM X MAJORICUM	ITALIAN OREGANO	2' O.C.	L	6
[Grid]	1 GAL	ERIGERON GLAUCA	SEASIDE DAISY	2' O.C.	L	6
[Grid]	1 GAL	ACHILLEA MILLEFOLIUM	YARROW	2' O.C.	L	15
[Grid]	1 GAL	SALVIA 'MESA AZURE'	AZURE MOUNTAIN SAGE	2' O.C.	L	15
[Grid]	1 GAL	PENSTEMON 'GARNET'	PENSTEMON	2' O.C.	L	12
[Grid]	5 GAL	CAREX TUMULICOLA	BERKELEY SEDGE	2' O.C.	L	9
[Grid]	1 GAL	MONARDELLA VILLOSA	COYOTE MINT	2' O.C.	L	6
[Grid]	1 GAL	PENSTEMON X	PENSTEMON	2' O.C.	L	-9
SOUTH PLANTING - 1880 SF						
[Grid]	5 GAL	DENDROMECON RIGIDA	BUSH ISLAND POPPY	4' O.C.	L	9
[Grid]	1 GAL	IRIS DOUGLASIANA	IRIS	2' O.C.	L	45
[Grid]	5 GAL	RIBES VIBURNIFOLIUM	EVERGREEN CURRANT	5' O.C.	L	25
[Grid]	5 GAL	CARPENTERIA CALIFORNICA 'EVE CASE'	BUSH ANEMONE	3' O.C.	L	23
[Grid]	5 GAL	RHAMNUS CALIFORNICA	COFFEEBERRY	5' O.C.	L	12
[Grid]	1 GAL	SALVIA 'MESA AZURE'	AZURE MOUNTAIN SAGE	18" O.C.	L	45
[Grid]	1 GAL	PENSTEMON SPECTABILIS	SHOWY PENSTEMON	2' O.C.	L	40
[Grid]	1 GAL	ARTEMESIA 'DAVID'S CHOICE'	COAST SAGEWORT	2' O.C.	L	25
[Grid]	5 GAL	LEYMUS CONDENSATUS 'CANYON PRINCE'	CANYON PRINCE WILD RYE	3' O.C.	L	25
[Grid]	5 GAL	BUDDLEIA 'BLUE CHIP'	DWARF BUTTERFLY BUSH	3' O.C.	L	21
STAGE & ENTRY AREA PLANTERS - 363 SF						
[Grid]	15 GAL	BOUGAINVILLEA 'SAN DIEGO RED'	NCN	AS SHOWN	L	6
[Grid]	1 GAL	SALVIA APIANA 'DWARF'	WHITE SAGE	2' O.C.	L	15
[Grid]	5 GAL	AZIGANANTHOS SPP.	KANGAROO PAW	2' O.C.	L	9
[Grid]	5 GAL	ARTEMESIA 'DAVID'S CHOICE'	COAST SAGEWORT	2 O.C.	L	9
[Grid]	5 GAL	GALVEZIA SPECIOSA	ISLAND BUSH SNAPDRAGON	2' O.C.	L	9
[Grid]	5 GAL	CORDYLINE X 'JURRED'	FESTIVAL GRASS	2' O.C.	L	9
[Grid]	1 GAL	GALLARDIA GRANDIFLORA	INDIAN BLANKET	2' O.C.	L	18

PLANTING NOTES

- SEE STANDARD SPECIFICATIONS, SECTION "PLANTING", FOR ADDITIONAL PLANTING INFORMATION.
- ALL TREES LISTED ON L 7.0 AND SOD LAWN SHALL BE PLANTED/INSTALLED AS PART OF THE CONTRACT.
- ALL AREAS TO RECEIVE PLANTING SHALL BE PREPARED AS PART OF THE CONTRACT.
- THE CONTRACTOR SHALL REVIEW ALL PLANT MATERIAL ON SITE WITH THE CITY REPRESENTATIVE AND SHALL INSTALL PLANT MATERIAL ONLY AFTER OBTAINING APPROVAL FROM THE CITY REPRESENTATIVE. THE CONTRACTOR SHALL CONTACT THE CITY REPRESENTATIVE 21 DAYS PRIOR TO THE PLANT DELIVERY TO ARRANGE REVIEW AND INSPECTION PRIOR TO PLANTING WITH THE CITY REPRESENTATIVE.
- THE CITY REPRESENTATIVE RESERVES THE RIGHT TO MAKE SUBSTITUTIONS, ADDITIONS AND DELETIONS IN THE PLANTING SCHEME AS THE WORK PROGRESSES BASED ON SITE CONDITIONS OR THE AVAILABILITY OF SPECIES AND VARIETIES OF SPECIFIED PLANT MATERIAL AT NO ADDITIONAL COST TO THE CONTRACT.
- ALL GROUND COVER AND SHRUBS SHALL BE SPACED TRIANGULARLY.
- SHRUB AREAS SHALL RECEIVE WEED FABRIC, REFER TO SPECIFICATIONS.
- ALL NEW TREES AND SHRUB MATERIAL MUST BE APPROVED ONSITE BY THE CITY REPRESENTATIVE PRIOR TO PLANTING. THE CITY REPRESENTATIVE RESERVES THE RIGHT TO REJECT PLANT MATERIAL FOR DISCREPANCIES IN VARIETY, SIZE SPECIFIED, HEALTH OR CONDITION.

17th & FOLSOM PARK PLANT LIST, CONTINUED

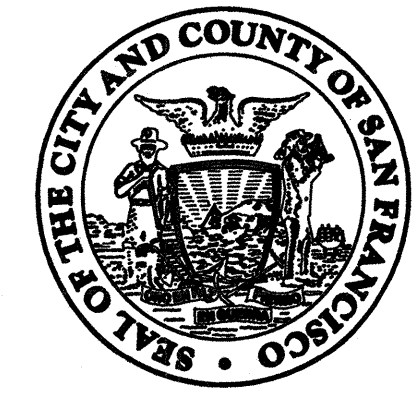
SYMBOL	SIZE	BOTANICAL NAME	COMMON NAME	SPACING	WATER USE	QUANTITY	
WEST PLANTING AREA - 967 SF							
[Hatched]	5 GAL	CISTUS 'SUNSET'	ROCKROSE	3' O.C.	L	27	
[Hatched]	1 GAL	BRODIAEA ELEGANS	HARVEST BRODIAEA	2' O.C.	L	12	
[Hatched]	1 GAL	IRIS DOUGLASIANA	IRIS	2' O.C.	L	27	
[Hatched]	1 GAL	ASCLEPIAS SPP.	MILKWEEED	2' O.C.	L	30	
[Hatched]	5 GAL	MIMULUS HYBRID ORANGE	MONKEY FLOWER	2' O.C.	L	60	
[Hatched]	5 GAL	CARPENTERIA CALIFORNICA	BUSH ANEMONE	2' O.C.	L	21	
[Hatched]	5 GAL	ROMNEYA COULTERI	MATILUA POPPY	6' O.C.	L	5	
[Hatched]	5 GAL	RIBES VIBURNIFOLIUM	RED FLOWERING CURRANT	3' O.C.	L	25	
[Hatched]	1 GAL	FESTUCA OVINA 'GLAUCA'	SHEEP FESCUE	2' O.C.	L	25	
ESPALIERED PLANTS @ COMMUNITY GARDEN FENCE TO BE LOCATED IN FIELD							
-	-	15 GAL	PRUNUS SALICINA 'WEeping'	SANTA ROSA PLUM	AS SHOWN	M	2
-	-	15 GAL	CITRUS MEYERI	MEYER LEMON	AS SHOWN	M	2
-	-	15 GAL	FICUS CARICA 'DESERT KING'	MISSION FIG	AS SHOWN	M	2
-	-	15 GAL	MALUS DOMESTICA	GRANNY SMITHY APPLE	AS SHOWN	M	2
-	-	15 GAL	VITUS CALIFORNICA	CALIFORNIA WILD GRAPE	AS SHOWN	M	2
SIDEWALK PLANTERS - 815 SF							
[Hatched]	1/4" MINUS BLUE PATHWAY FINES MULCH, 3" DEPTH						



PLANTING ALTERNATE:

BASE BID: LABOR TO INSTALL PLANTS LISTED ON THIS SHEET, WEED FABRIC AND MULCH SHALL BE PERFORMED BY RECREATION AND PARK DEPARTMENT STAFF WITHIN THE PARK BOUNDARY.

ALTERNATE #7: LABOR TO INSTALL PLANTS LISTED ON THIS SHEET, WEED FABRIC AND MULCH SHALL BE PERFORMED BY CONTRACTOR WITHIN THE PARK BOUNDARY.



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Project _____

17th AND FOLSOM STREET
PARK

2080 FOLSOM STREET
SAN FRANCISCO, CA 94110

Consultant _____

Issue _____

100% BID SET

No.	Date	Revisions
1		
2		
3		

Drawn EB/KQ
Check _____
Landscape Arch. EC
Sr. Arch. _____
Landscape Architect



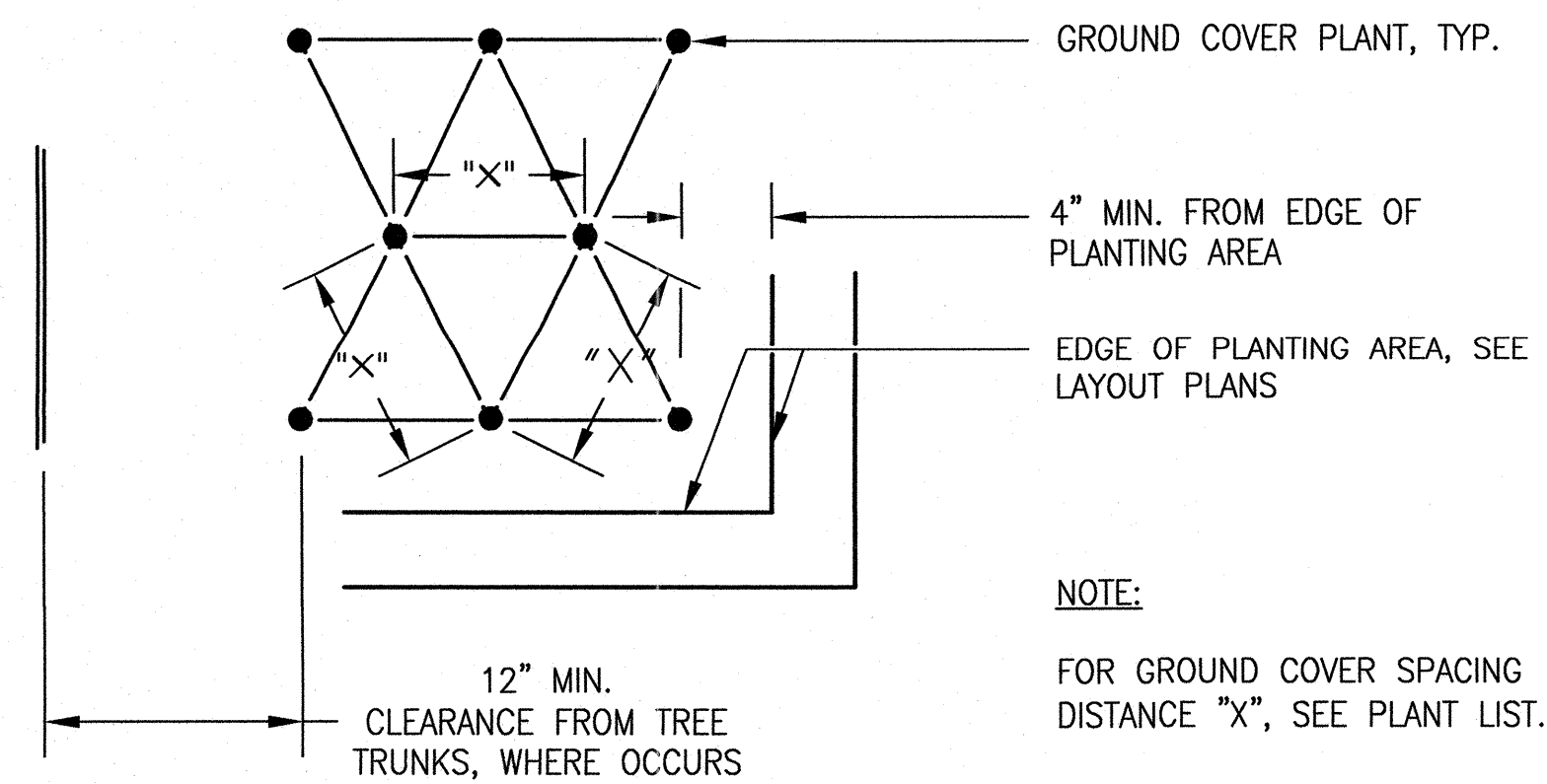
Drawing Title _____

PLANTING DETAILS

Sheet No. _____

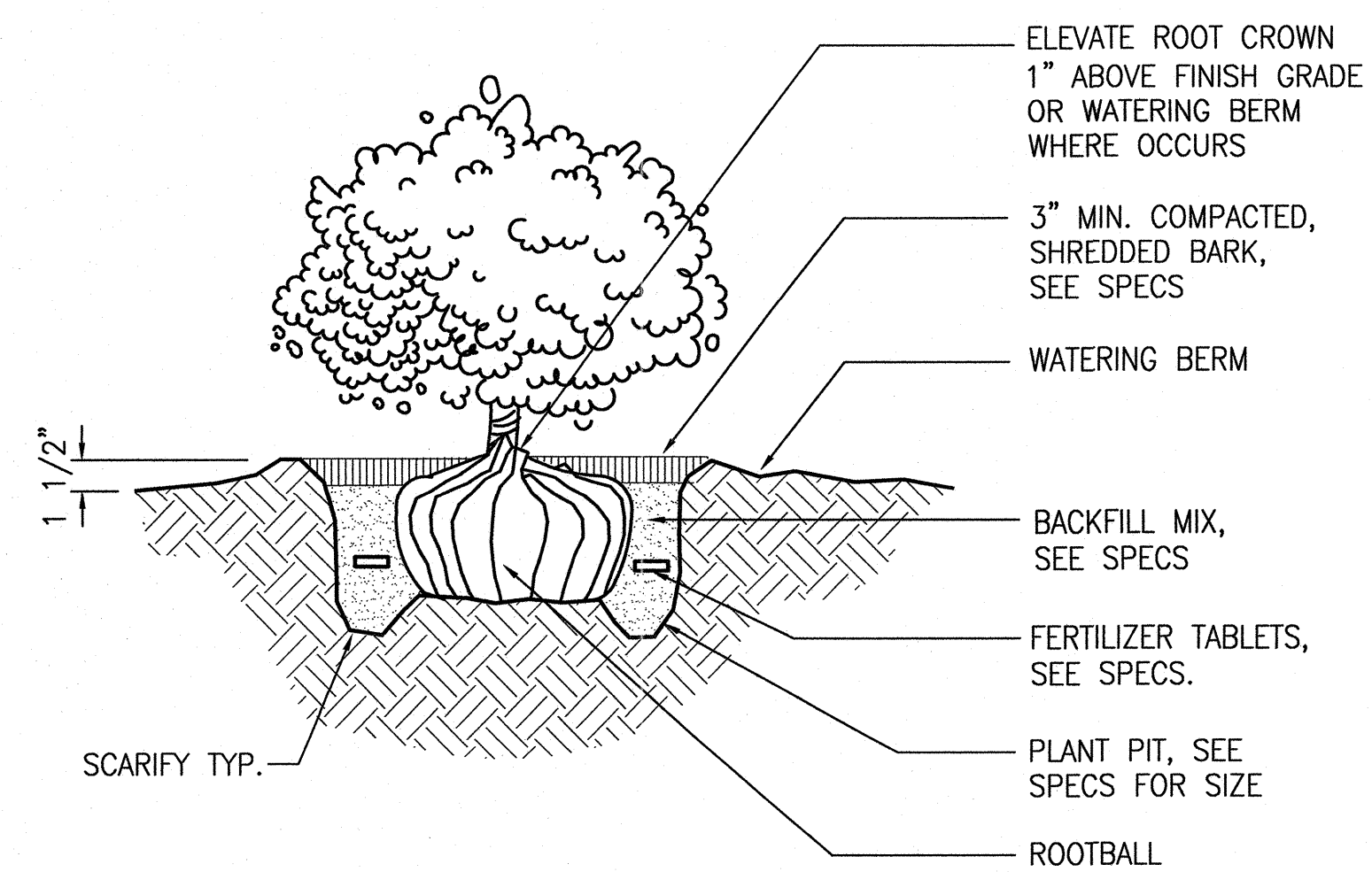
L-7.2

Job No. 3054V



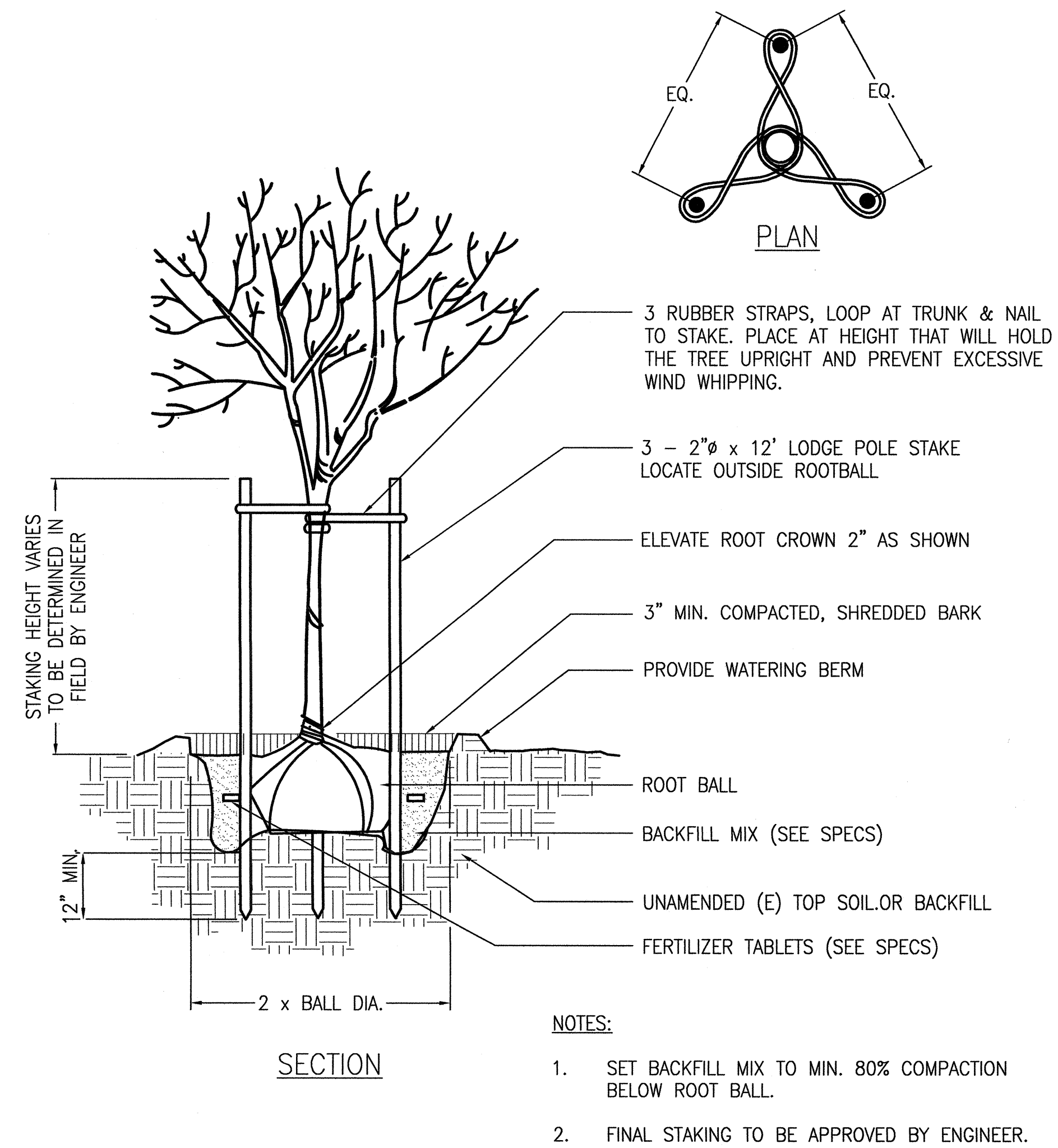
GROUND COVER PLANTING

NOT TO SCALE



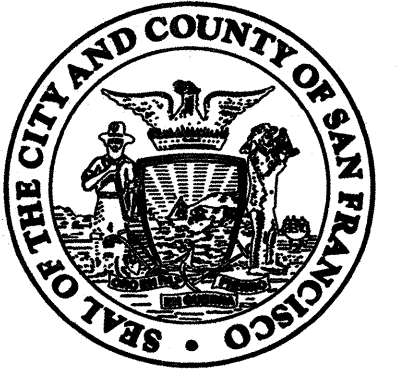
SHRUB PLANTING

NOT TO SCALE



TREE PLANTING & STAKING

NOT TO SCALE



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17th AND FOLSOM STREET
PARK

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SAN FRANCISCO, CA 94110

Consultant _____

Issue _____

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No.	Date	Revisions
1		
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3		

Drawn EB/KQ
Check [Signature]
Landscape Arch. EC
Sr. Arch. [Signature]
EDWARD CHIN ARCHITECT
LICENSED LANDSCAPE ARCHITECT
STATE OF CALIFORNIA
7-2016
Landscape Architect

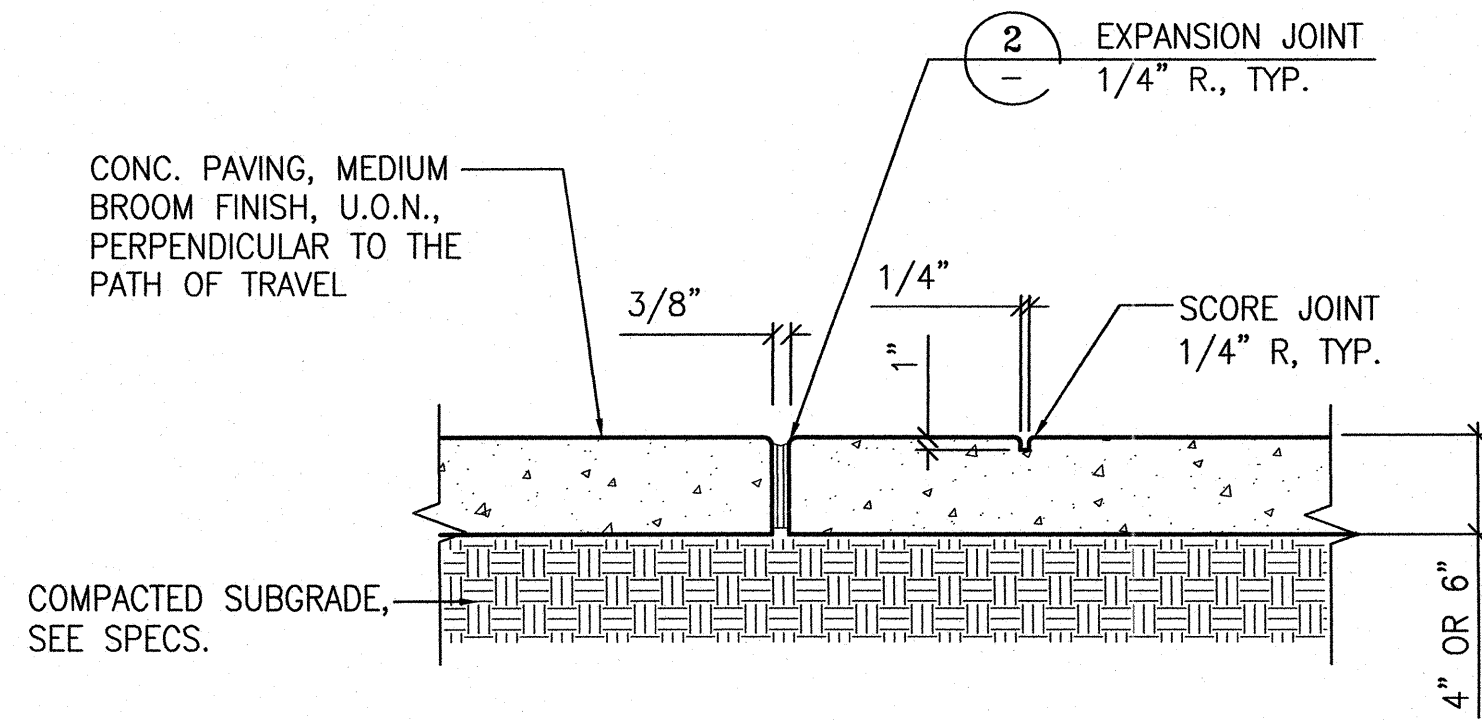
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CONSTRUCTION DETAILS

Sheet No. _____

L-8.0

Job No. 3054V



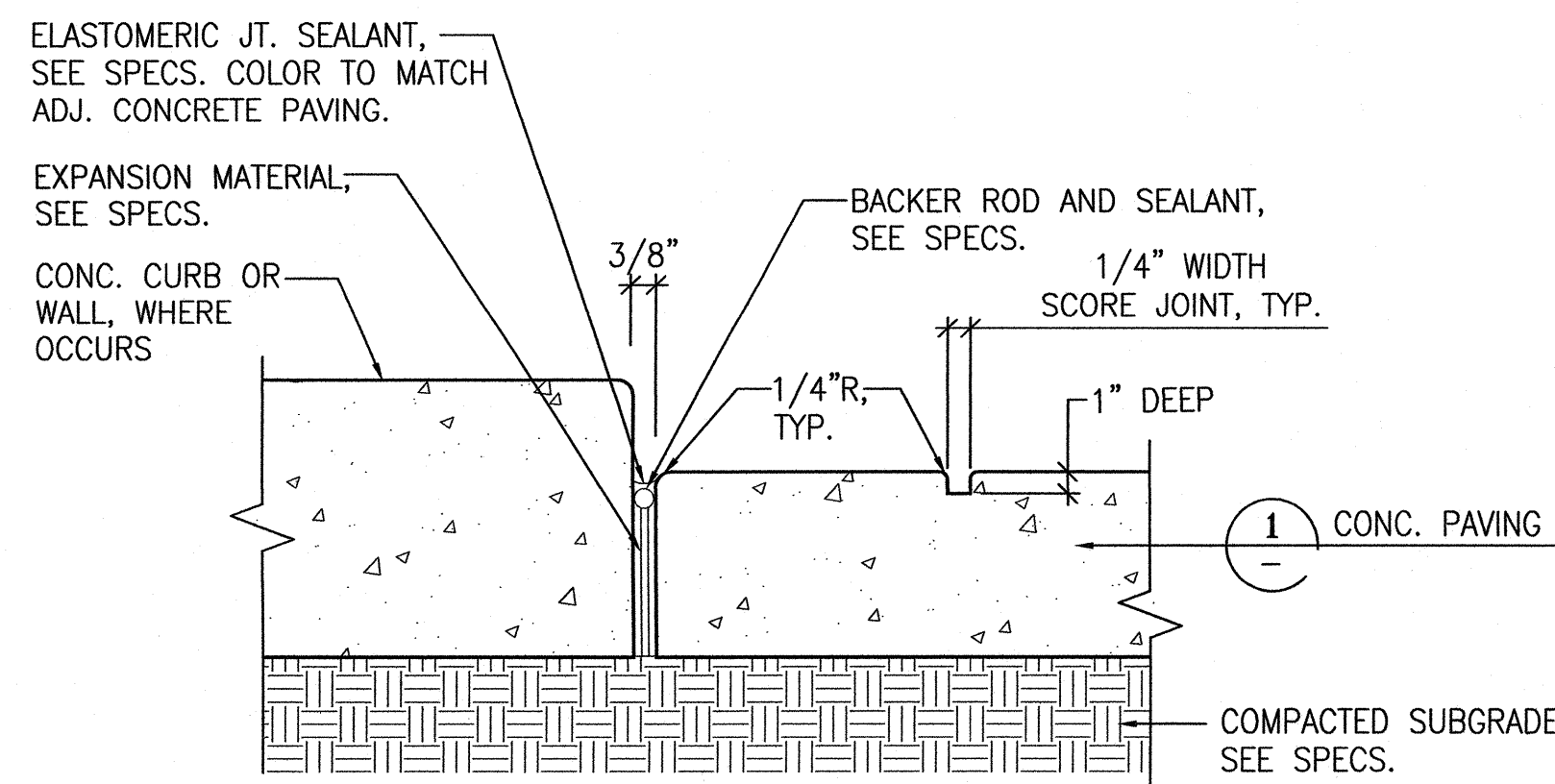
NOTES:

1. PLACE EXPANSION JOINTS WHERE PAVING ABUTS ANY VERTICAL SURFACE.
2. 6" CONCRETE TO BE USED IN 10' WIDE PATH. 6" CONCRETE SHALL HAVE #4 REBAR 12" O.C. EACH WAY

CONCRETE PAVING

SCALE: 1"=1'-0"

1



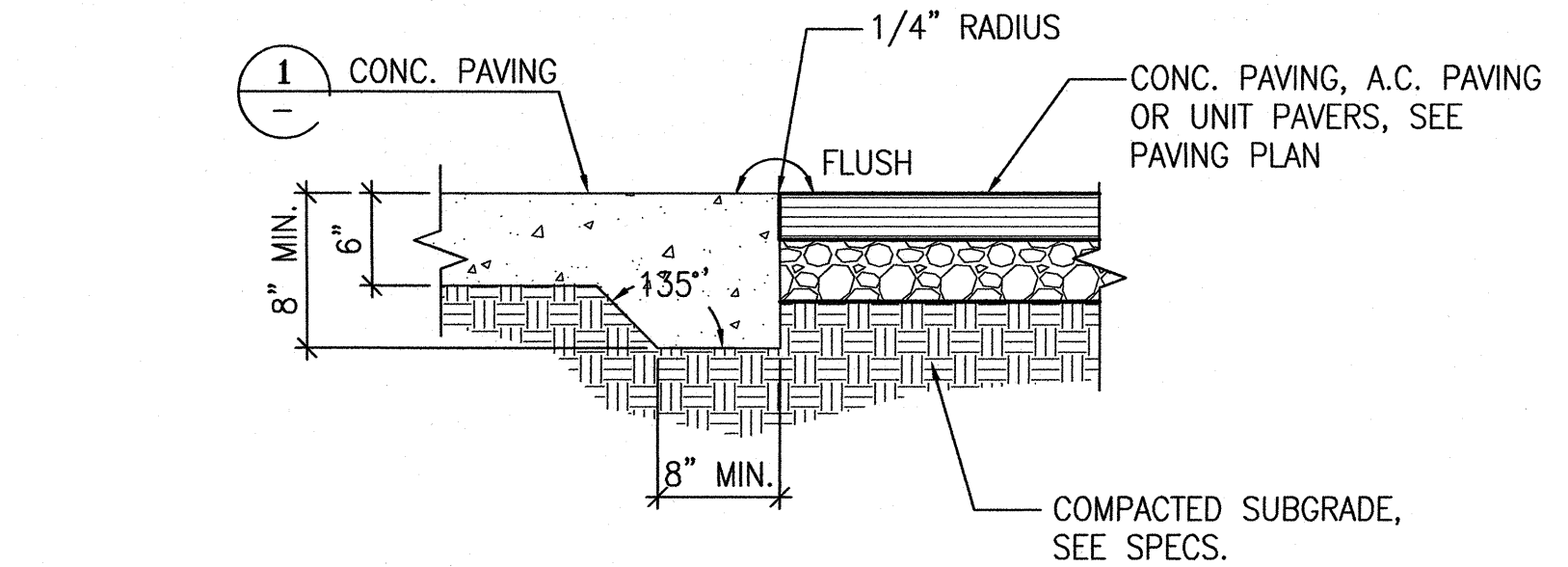
NOTES:

1. PLACE EXPANSION JOINTS WHERE PAVING ABUTS ALL VERTICAL SURFACES.
2. HANDTOOL ALL JOINTS.

EXPANSION & SCORE JOINT

SCALE: N.T.S.

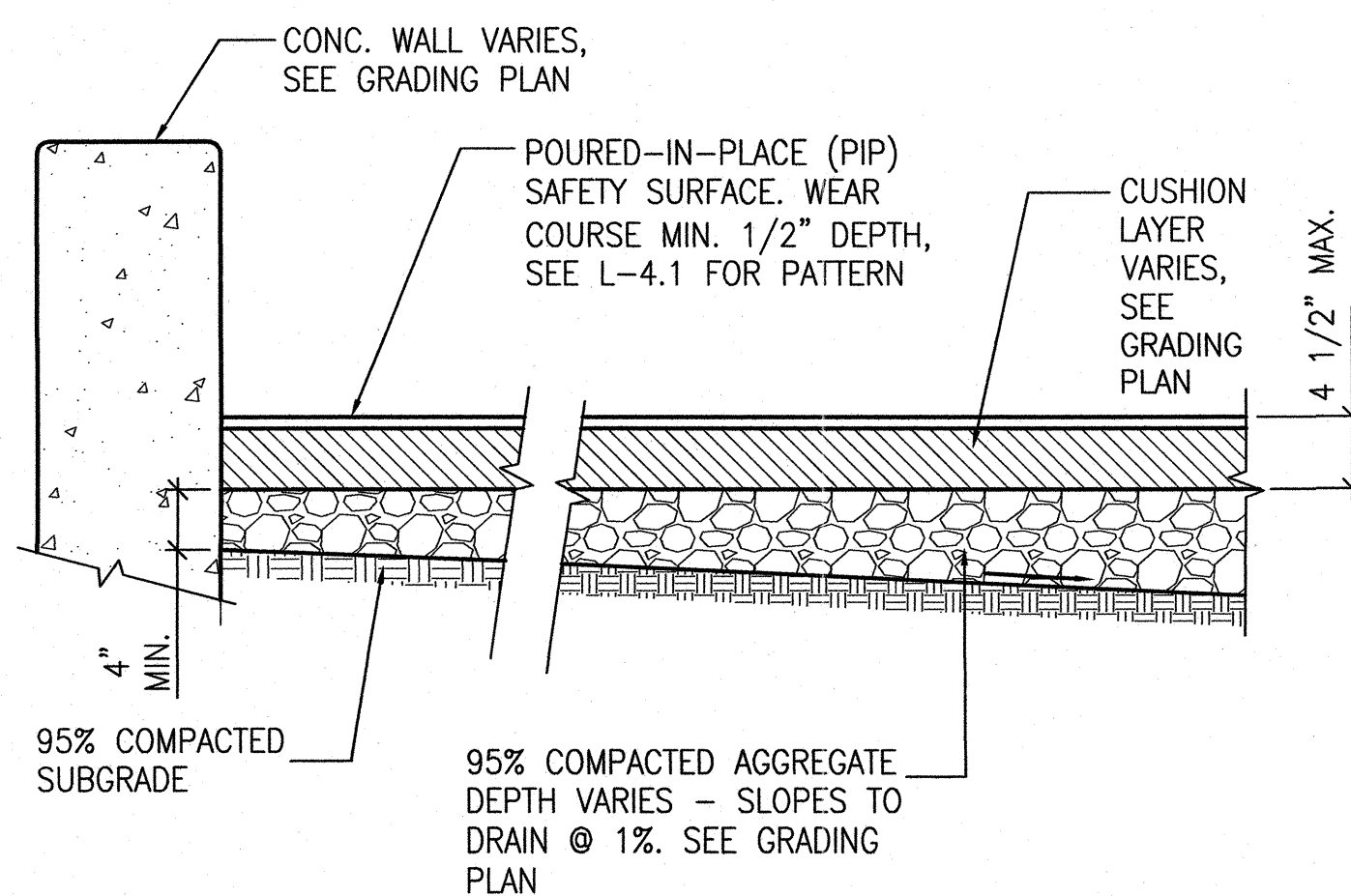
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THICKENED CONCRETE EDGE

SCALE: 1"=1'-0"

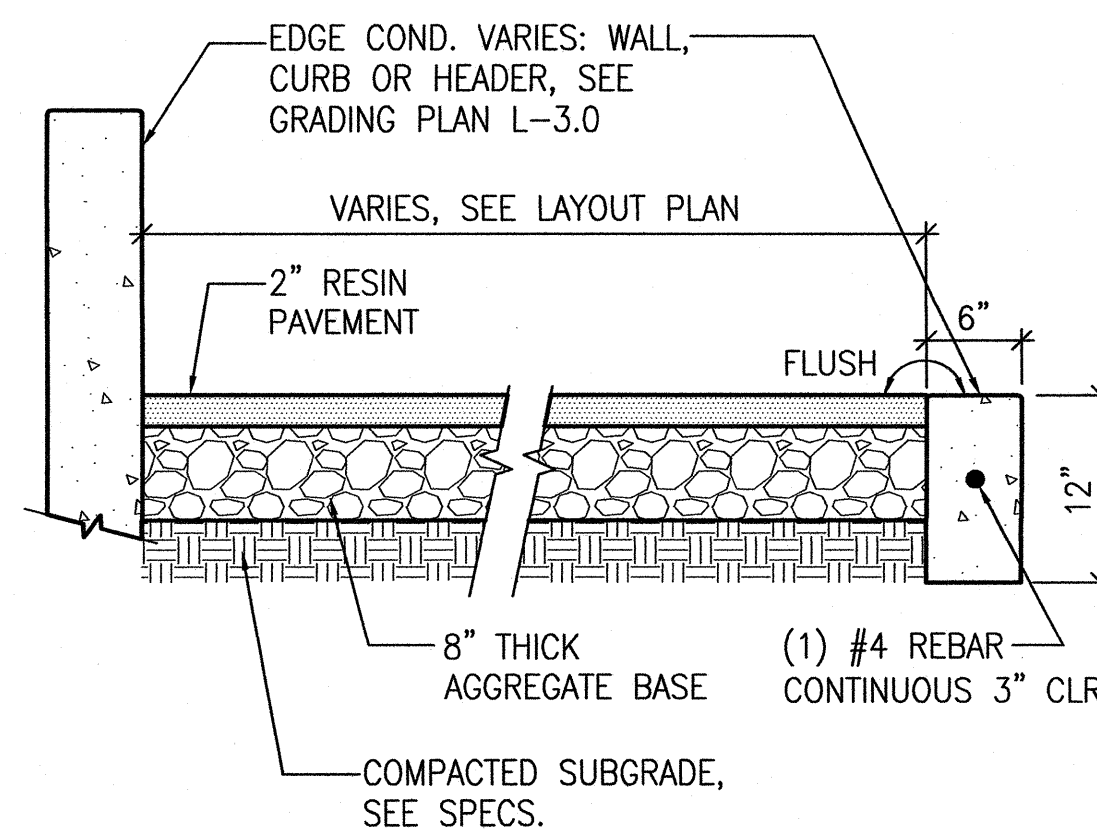
3



PIP SAFETY SURFACE

SCALE: N.T.S.

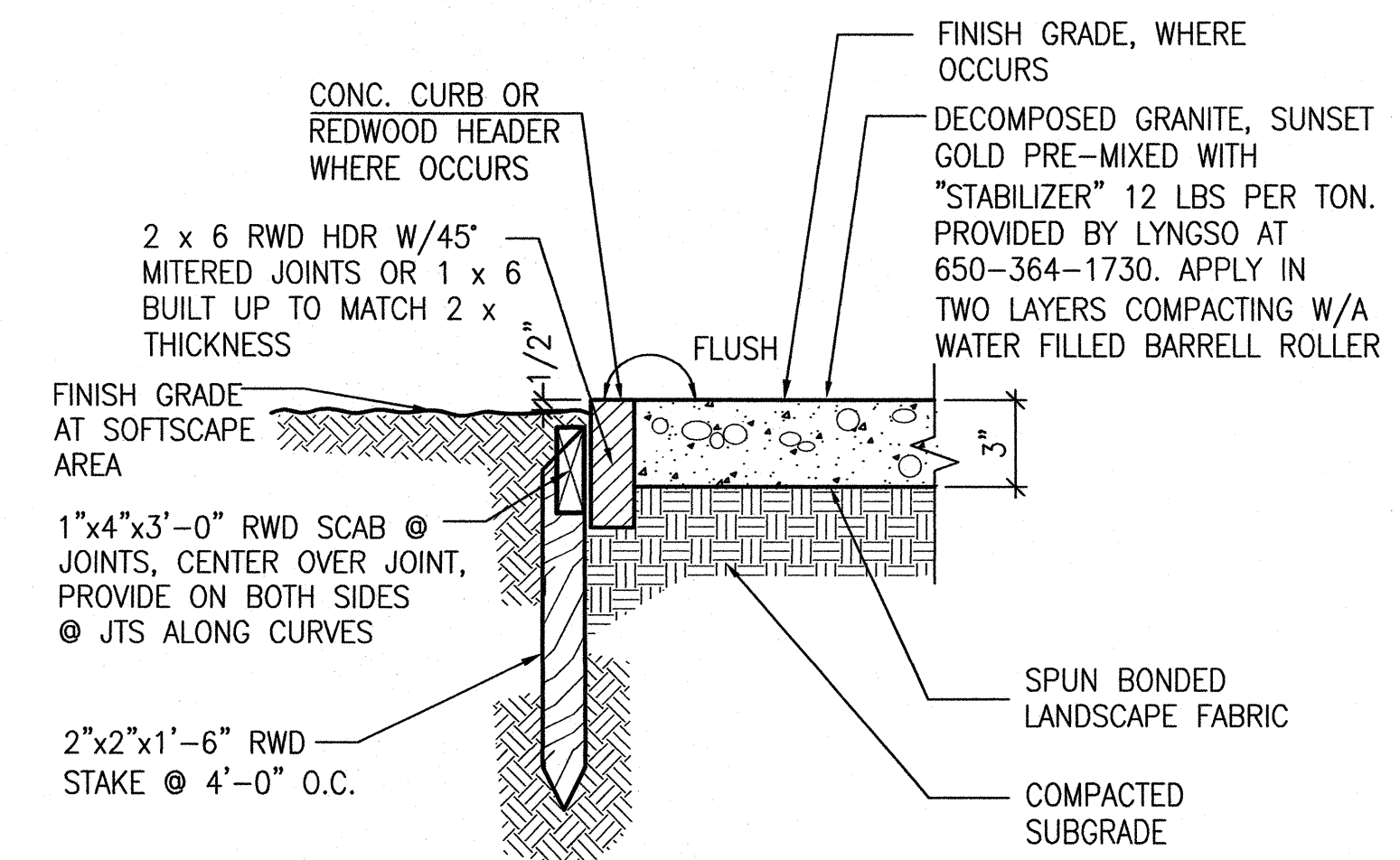
4



RESIN PAVEMENT - ALTERNATE

SCALE: 1"=1'-0"

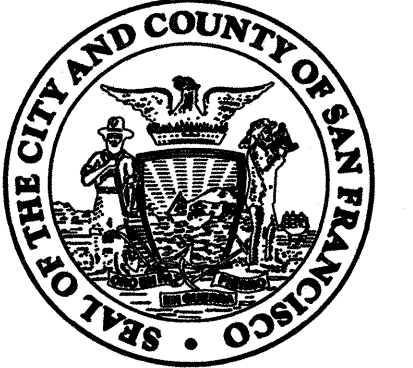
5



DECOMPOSED GRANITE/HEADER

SCALE: N.T.S.

6



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Project _____
17th AND FOLSOM STREET
PARK

2080 FOLSOM STREET
SAN FRANCISCO, CA 94110

Consultant _____

Issue _____

100% BID SET

No.	Date	Revisions
1		
2		
3		

Drawn EB/KQ
Check *[Signature]*
Landscape Arch. EC
Sr. Arch. *[Signature]*
EDWARD CHIN ARCHITECT
LICENSED LANDSCAPE ARCHITECT
STATE OF CALIFORNIA
12-31-16
7-20-15
Landscape Architect

Drawing Title _____

CONSTRUCTION DETAILS

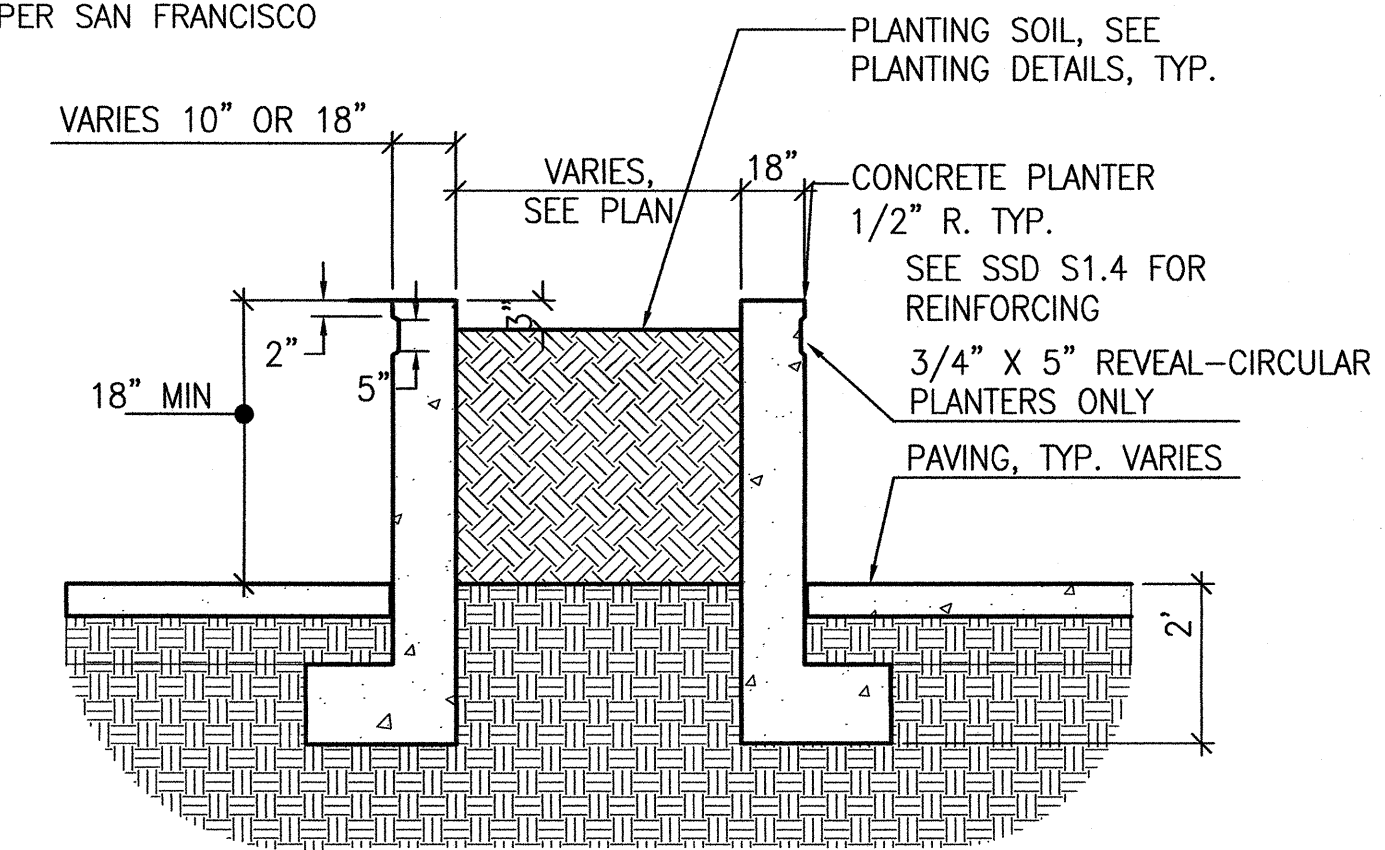
Sheet No. _____

L-8.1

Job No. 3054V

NOTE:

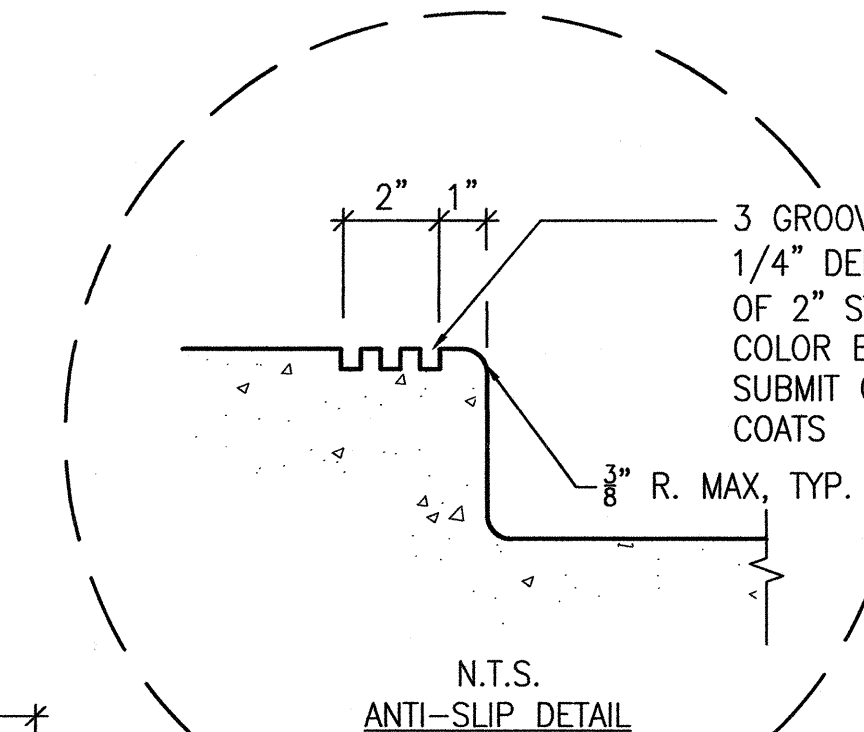
FINISH ALL VERTICAL EXPOSED SURFACES PER SAN FRANCISCO
DPW SS SECTION 411.10, 411.11



CONCRETE PLANTER SECTION

NOT TO SCALE

3



CONCRETE BAND

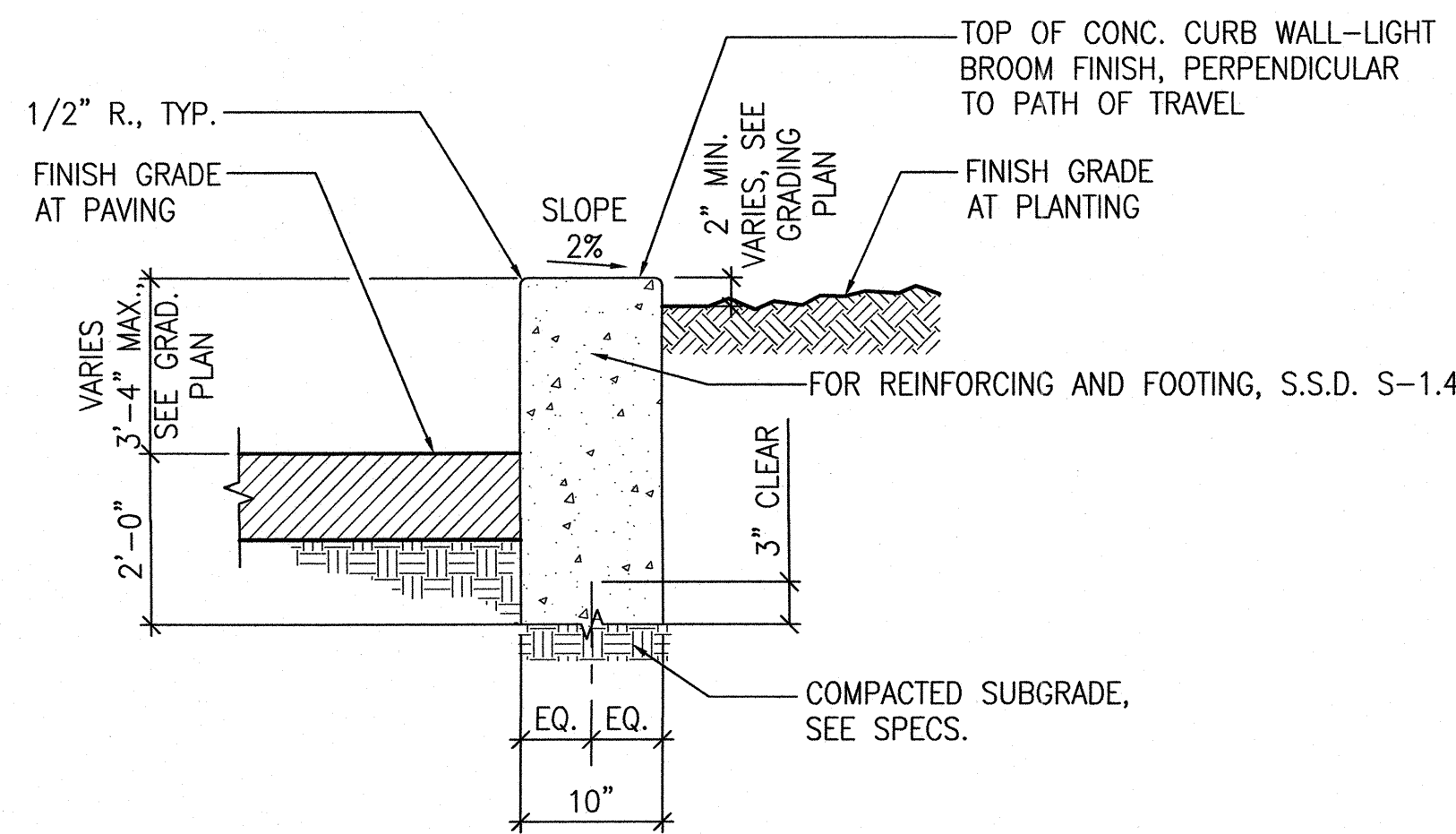
SCALE: 1"=1'-0"

1

CONCRETE SEATWALL

SCALE: 1"=1'-0"

2



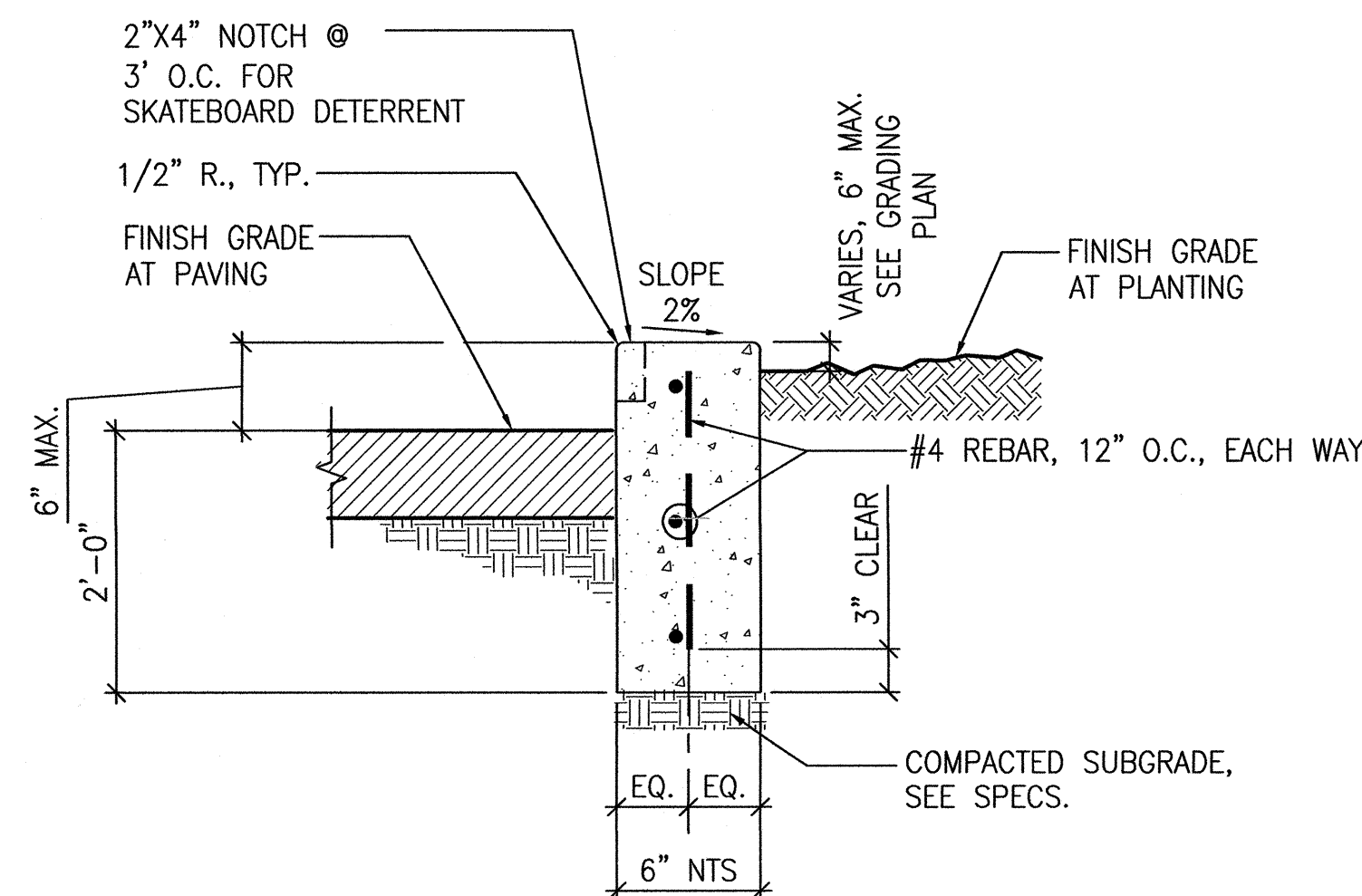
NOTE:

FINISH ALL VERTICAL EXPOSED SURFACES PER SAN FRANCISCO
DPW SS SECTION 411.10, 411.11.

CONCRETE WALL

SCALE: 1"=1'-0"

4



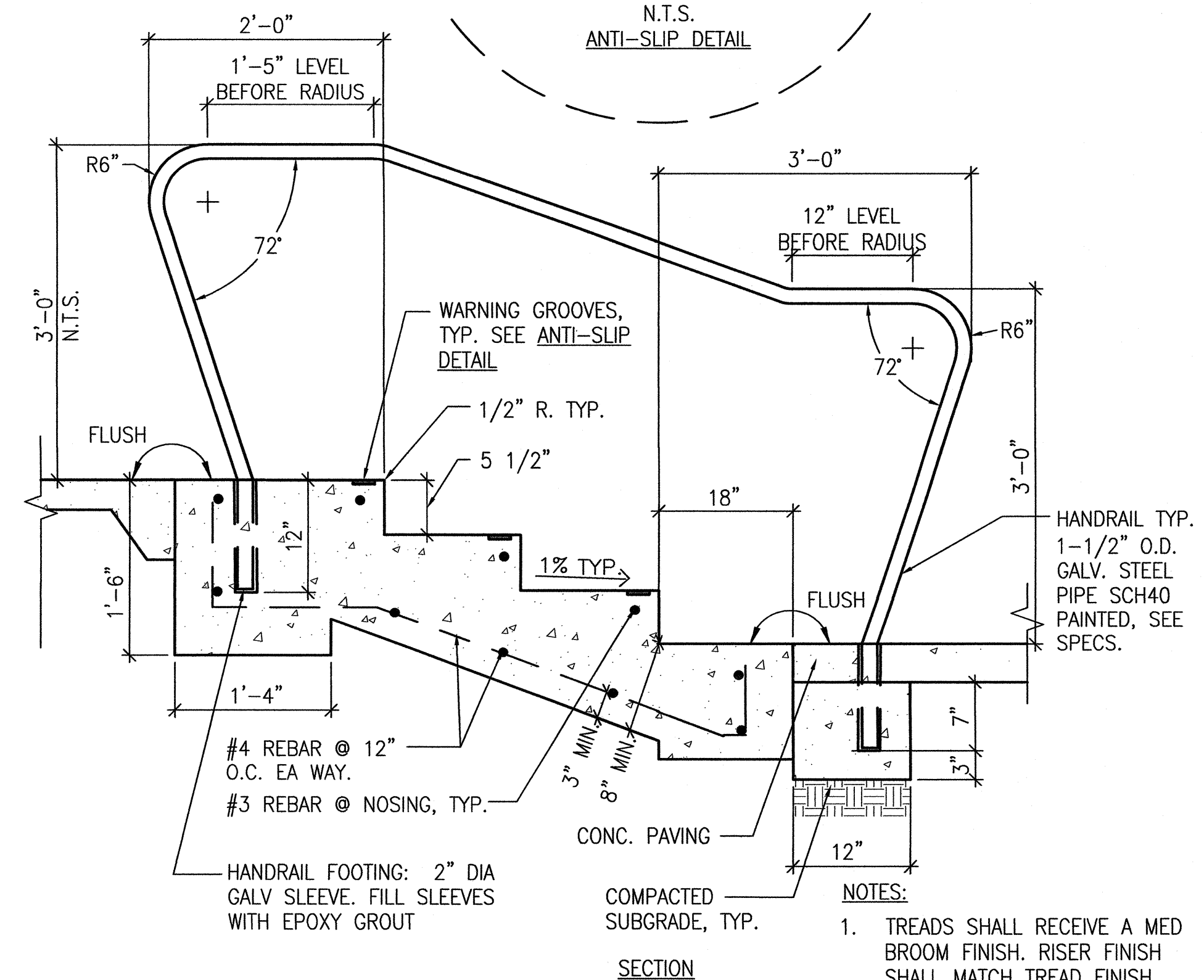
NOTE:

FINISH ALL VERTICAL EXPOSED SURFACES PER SAN FRANCISCO
DPW SS SECTION 411.10, 411.11.

CONCRETE CURB

SCALE: 1"=1'-0"

5



NOTES:

- TREADS SHALL RECEIVE A MED BROOM FINISH. RISER FINISH SHALL MATCH TREAD FINISH.
- SUBMIT SHOP DRAWINGS FOR CITY REP.'S APPROVAL.

CONCRETE STAIRS

SCALE: 1"=1'-0"

6



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Project _____
17th AND FOLSOM STREET
PARK
2080 FOLSOM STREET
SAN FRANCISCO, CA 94110
Consultant _____

Issue _____

100% BID SET

No.	Date	Revisions
1		
2		
3		

Drawn EB/KQ
Check _____
Landscape Arch. EC
Sr. Arch. _____
EDWARD CHIN JURY
LICENSED LANDSCAPE ARCHITECT
STATE OF CALIFORNIA
7-22-15
Landscape Architect

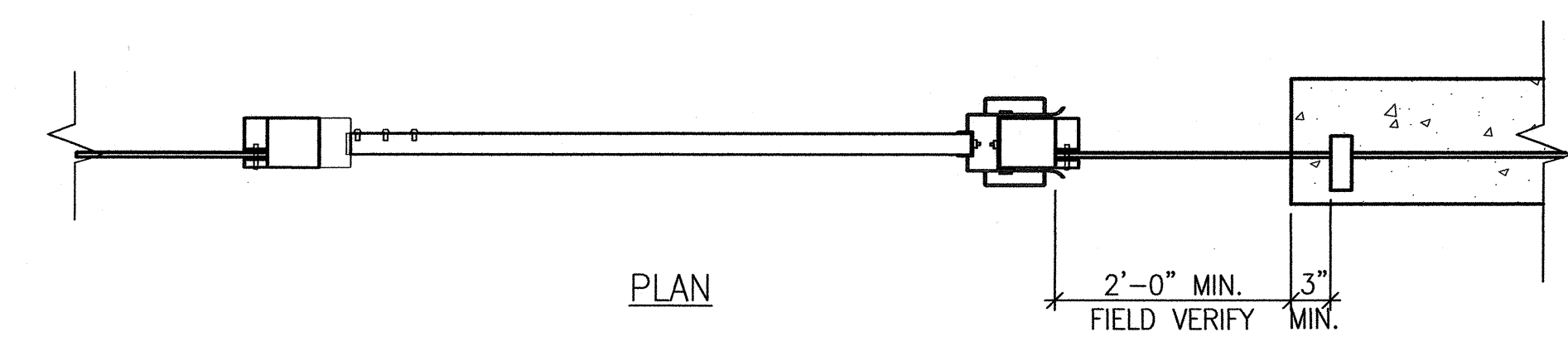
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CONSTRUCTION DETAILS

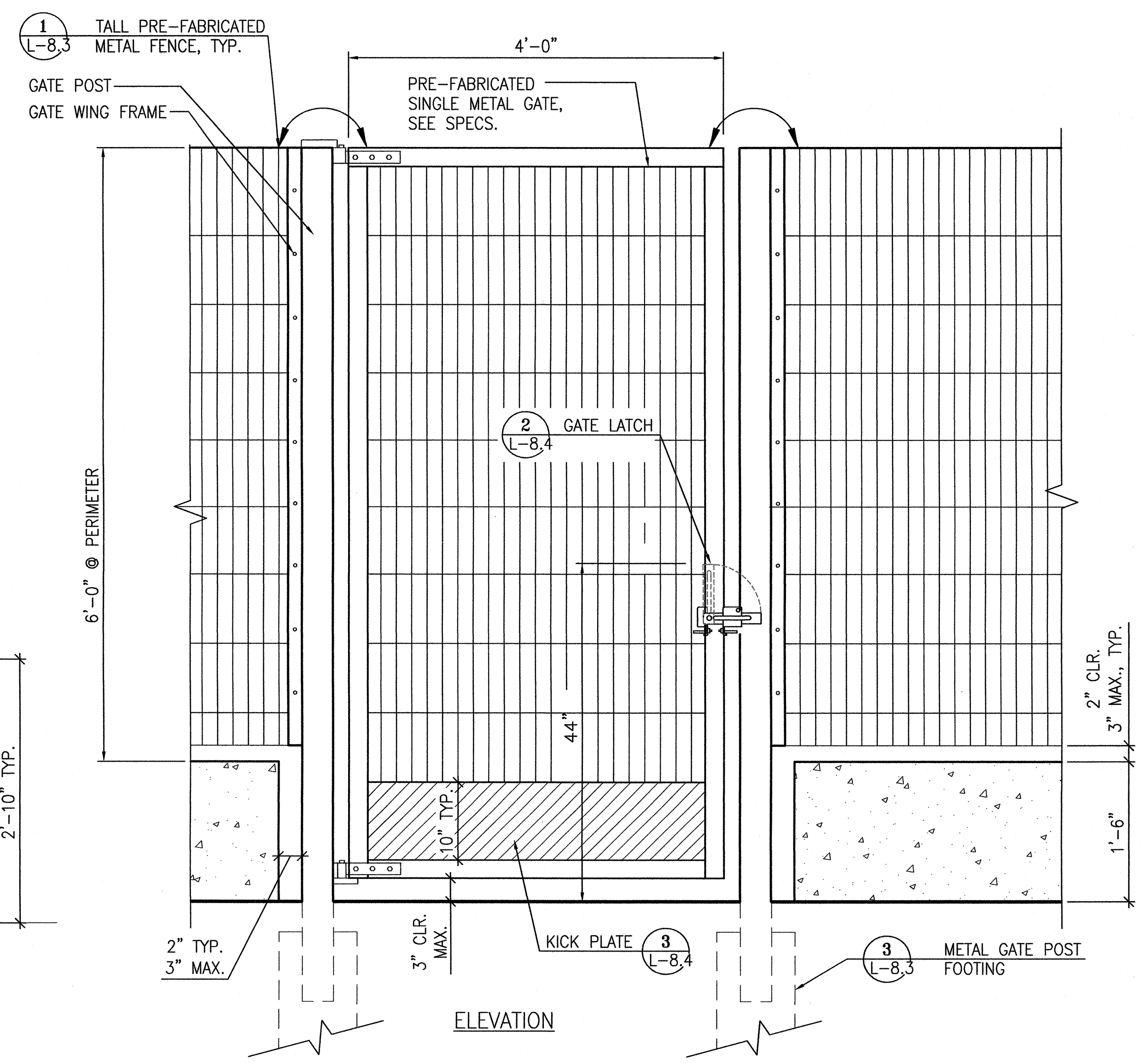
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L-8.2

Job No. 3054V

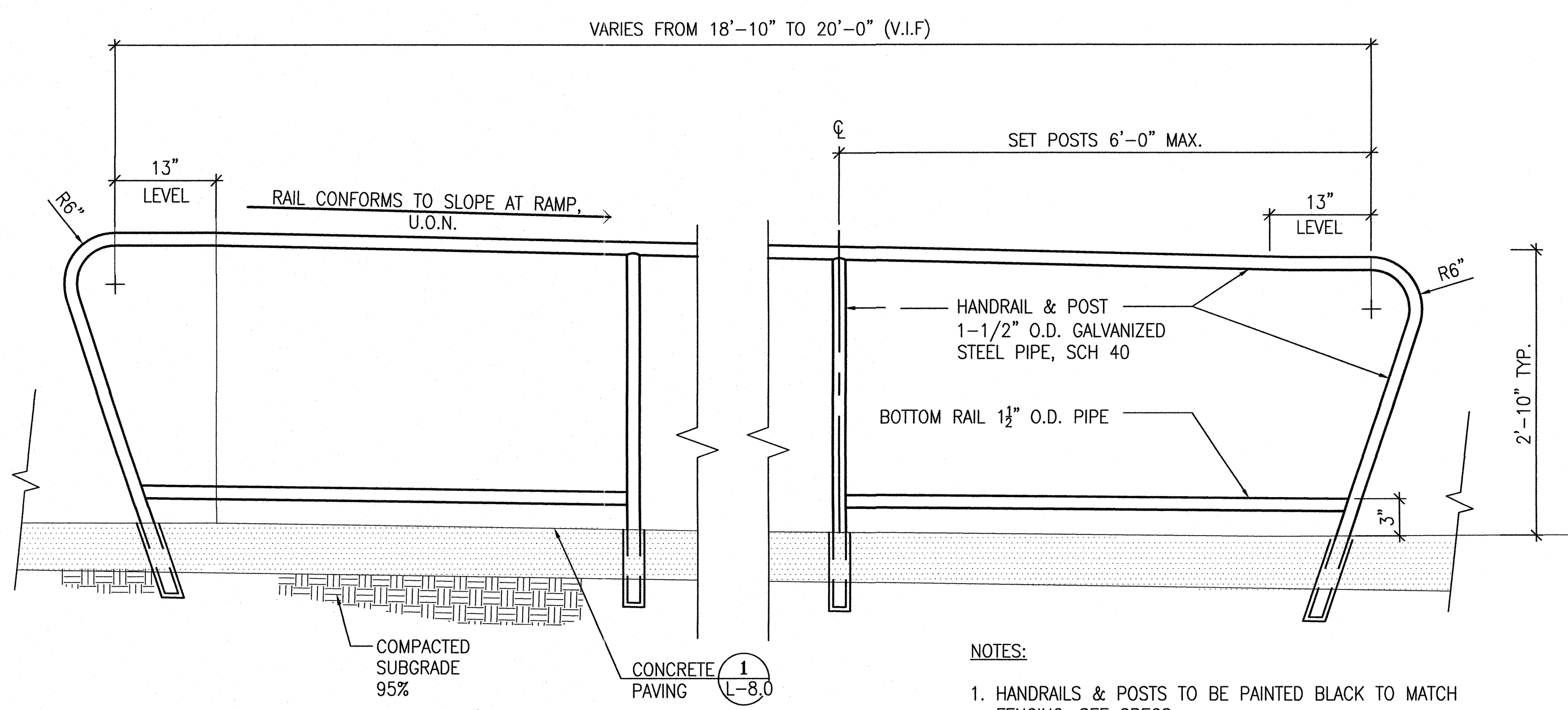


PLAN



ELEVATION

- NOTES:
- SUBMIT COMPLETE DESIGN/BUILD SHOP DRAWINGS, SEE SPECS.



- NOTES:
- HANDRAILS & POSTS TO BE PAINTED BLACK TO MATCH FENCING, SEE SPECS.
 - GRIND ALL EDGES SMOOTH ON HANDRAIL, TYPICAL.

HANDRAIL

SCALE: 1" = 1'-0" **1**

SINGLE METAL GATE

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



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17th AND FOLSOM STREET
PARK

2080 FOLSOM STREET
SAN FRANCISCO, CA 94110

Consultant _____

Issue _____

100% BID SET

No.	Date	Revisions
1		
2		
3		

Drawn EB/KQ
Check _____
Landscape Arch. EC
Sr. Arch. _____
Landscape Architect



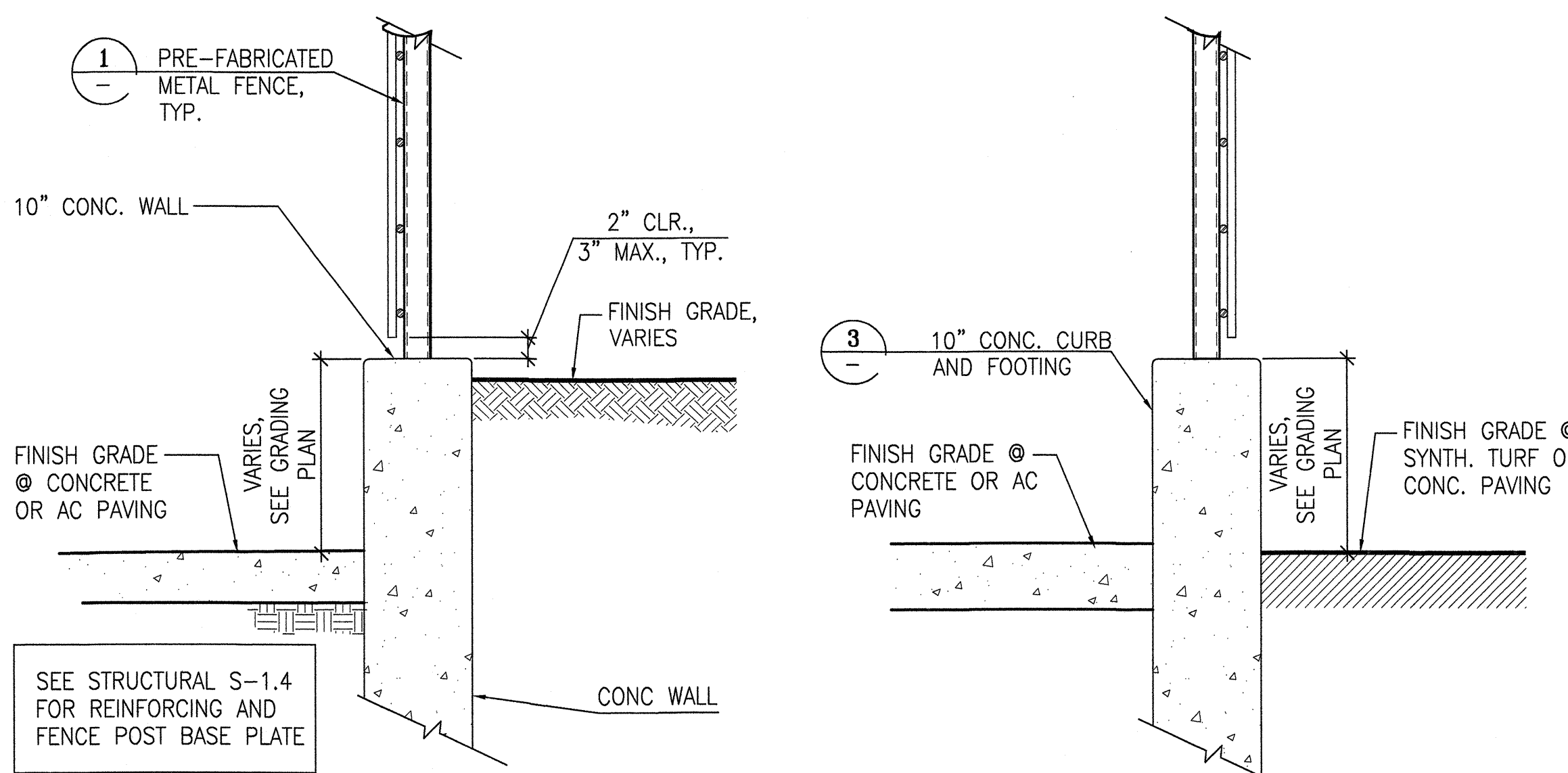
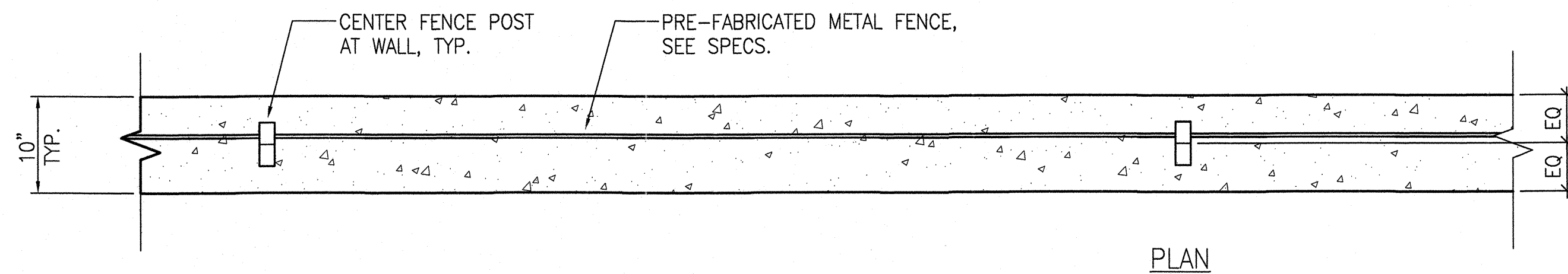
Drawing Title _____

CONSTRUCTION DETAILS

Sheet No. _____

L-8.3

Job No. 3054V

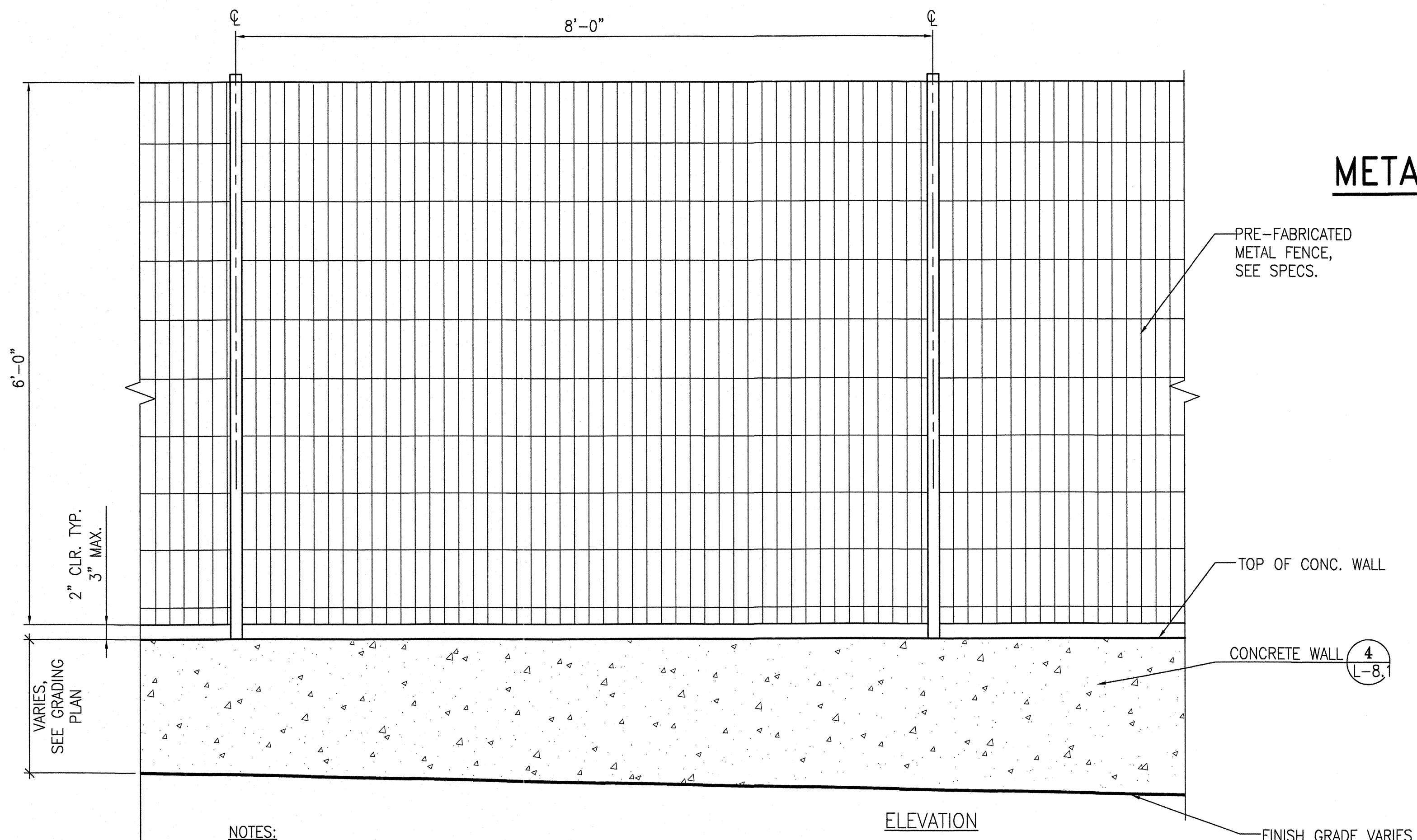


(A) FENCE POST FOOTING @ CONC. WALL
(B) FENCE POST FOOTING @ CONC. CURB

NOTES:
1. FINISH ALL VERTICAL EXPOSED SURFACES PER SAN FRANCISCO DPW SS SECTION 411.10, 411.11.

METAL FENCE POST FOOTING

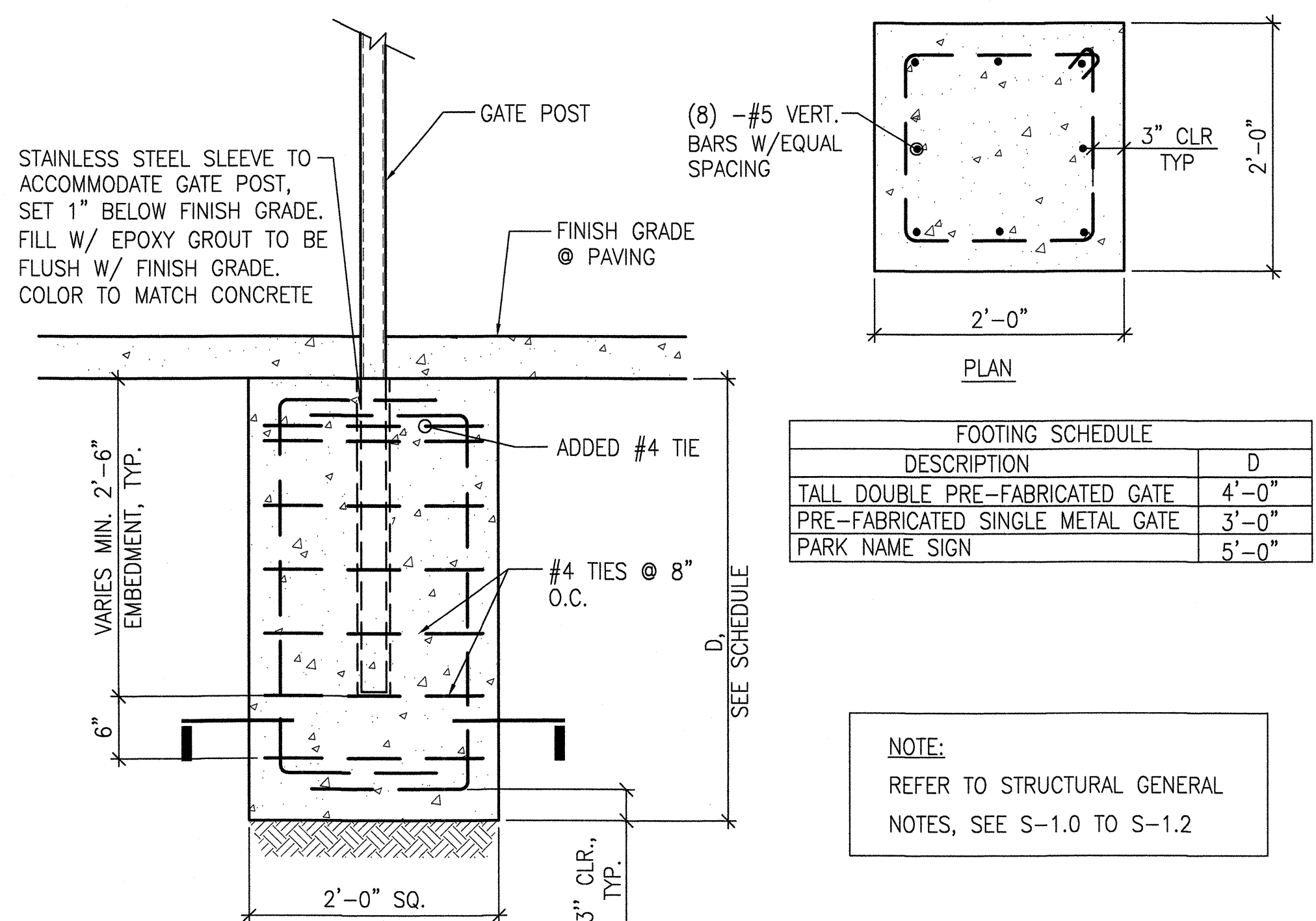
SCALE: 1"=1'-0" 2



NOTES:
1. SUBMIT COMPLETE DESIGN/BUILD SHOP DRAWINGS FOR CITY REP'S APPROVAL.
2. FINISH ALL VERTICAL EXPOSED SURFACES PER SAN FRANCISCO DPW SS SECTION 411.10, 411.11

METAL FENCE ON CONCRETE WALL

SCALE: 1"=1'-0" 1



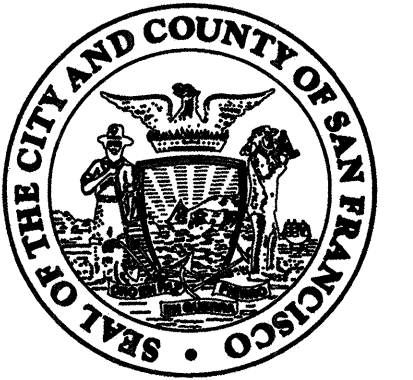
NOTE:
VERIFY ALL LOCATION AND ELEVATION WITH LANDSCAPE DRAWINGS PRIOR TO START OF CONSTRUCTION.

METAL GATE POST FOOTING

SCALE: 1"=1'-0" 3

FOOTING SCHEDULE		
DESCRIPTION	D	
TALL DOUBLE PRE-FABRICATED GATE	4'-0"	
PRE-FABRICATED SINGLE METAL GATE	3'-0"	
PARK NAME SIGN	5'-0"	

NOTE:
REFER TO STRUCTURAL GENERAL NOTES, SEE S-1.0 TO S-1.2



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Project _____

17th AND FOLSOM STREET
PARK

2080 FOLSOM STREET
SAN FRANCISCO, CA 94110

Consultant _____

Issue _____

100% BID SET

No.	Date	Revisions
1		
2		
3		

Drawn EB/KQ
Check [Signature] 8/15
Landscape Arch. EC [Signature] 8/15
Sr. Arch. [Signature] 8/15
EDUARDO CHIN ARCHITECT
LICENSED LANDSCAPE ARCHITECT
STATE OF CALIFORNIA
Landscape Architect

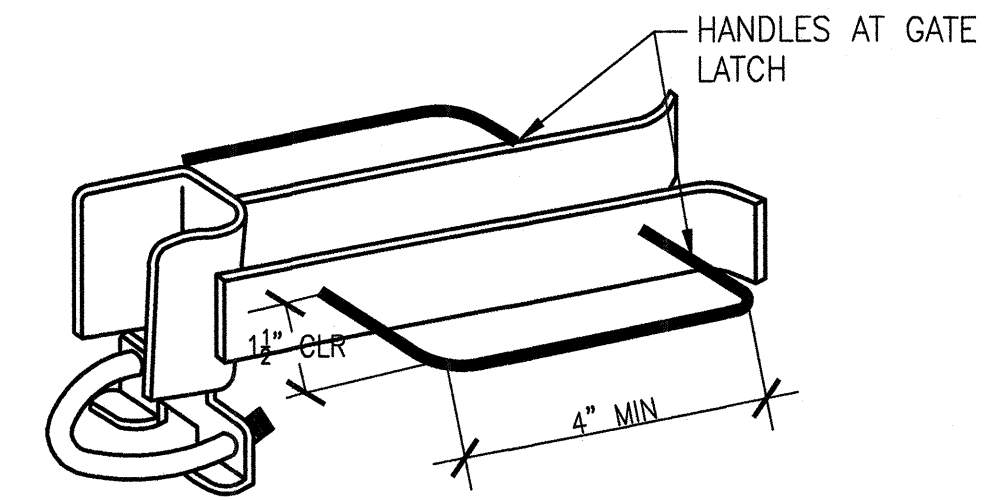
Drawing Title _____

CONSTRUCTION DETAILS

Sheet No. _____

L-8.4

Job No. 3054V



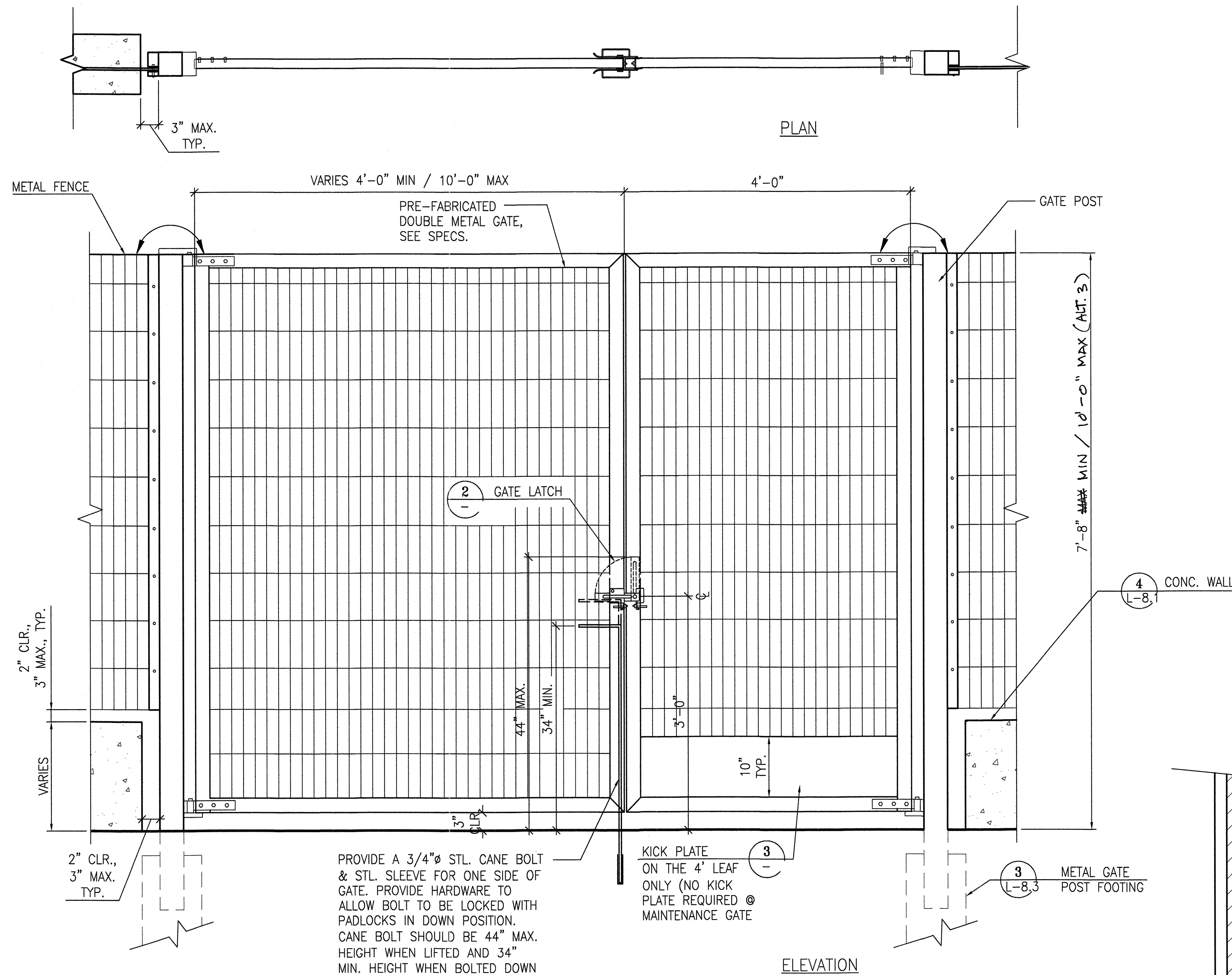
NOTES:

1. COMMERCIAL GRADE FULCRUM GATE LATCH - "STRONG ARM LATCH" AS AVAILABLE FROM THOLL FENCE, INC. (775) 358-8680
2. HANDLES AT GATE LATCH: 1/2"Ø GALVANIZED STEEL HANDLES
3. WELD HANDLES ON BOTH SIDES AS SHOWN, MOUNT LEVEL ON GATE.
4. LATCH HANDLES MEASURED FROM INSIDE EDGE.

GATE LATCH

SCALE: N.T.S.

2



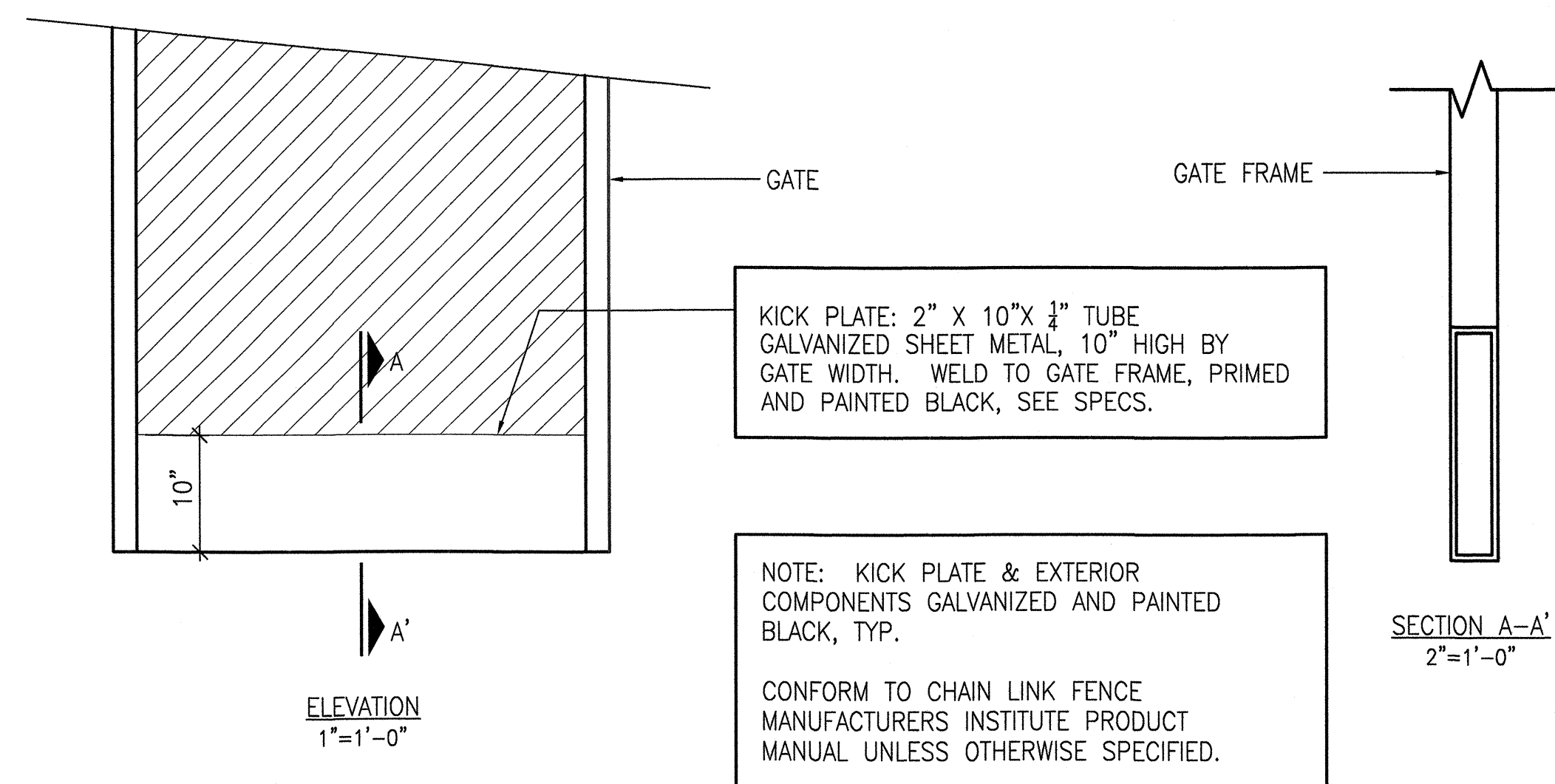
NOTES:

1. SUBMIT COMPLETE SHOP DRAWINGS DETAILING GATE FABRICATION, SIZES OF HINGES AND FITTINGS TO ACCOMMODATE GATES, AND ALL HARDWARE NECESSARY FOR A COMPLETE AND OPERATING GATE SYSTEM FOR CITY REPRESENTATIVE'S APPROVAL, SEE SPECS.
2. GATE SHALL OPERATE SMOOTHLY AND SHALL BE ADJUSTED AND/OR REPAIRED AS NECESSARY DURING WARRANTY PERIOD TO ENSURE PROPER OPERATION.
3. GATE TO BE HOT-DIP GALVANIZED, PRIMED AND PAINTED BLACK TO MATCH FENCE, SEE SPECS.

DOUBLE METAL GATE

SCALE: 1"=1'-0"

1



KICK PLATE

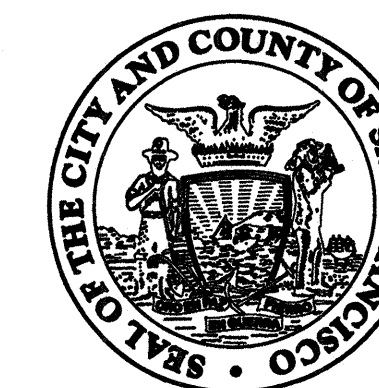
SCALE: AS SHOWN

3

KICK PLATE: 2" X 10" X 1/4" TUBE GALVANIZED SHEET METAL, 10" HIGH BY GATE WIDTH. WELD TO GATE FRAME, PRIMED AND PAINTED BLACK, SEE SPECS.

NOTE: KICK PLATE & EXTERIOR COMPONENTS GALVANIZED AND PAINTED BLACK, TYP.

CONFORM TO CHAIN LINK FENCE MANUFACTURERS INSTITUTE PRODUCT MANUAL UNLESS OTHERWISE SPECIFIED.



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17th AND FOLSOM STREET
PARK

2080 FOLSOM STREET
SAN FRANCISCO, CA 94110

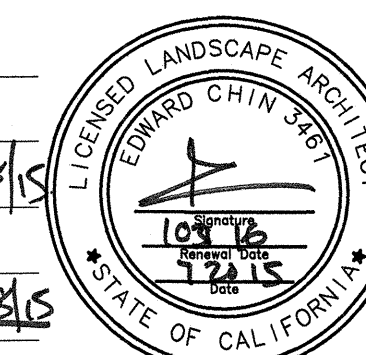
Consultant _____

Issue _____

100% BID SET

No.	Date	Revisions
1		
2		
3		

Drawn EBKQ
Check [Signature]
Landscape Arch. EC
Sr. Arch. [Signature]
Landscape Architect



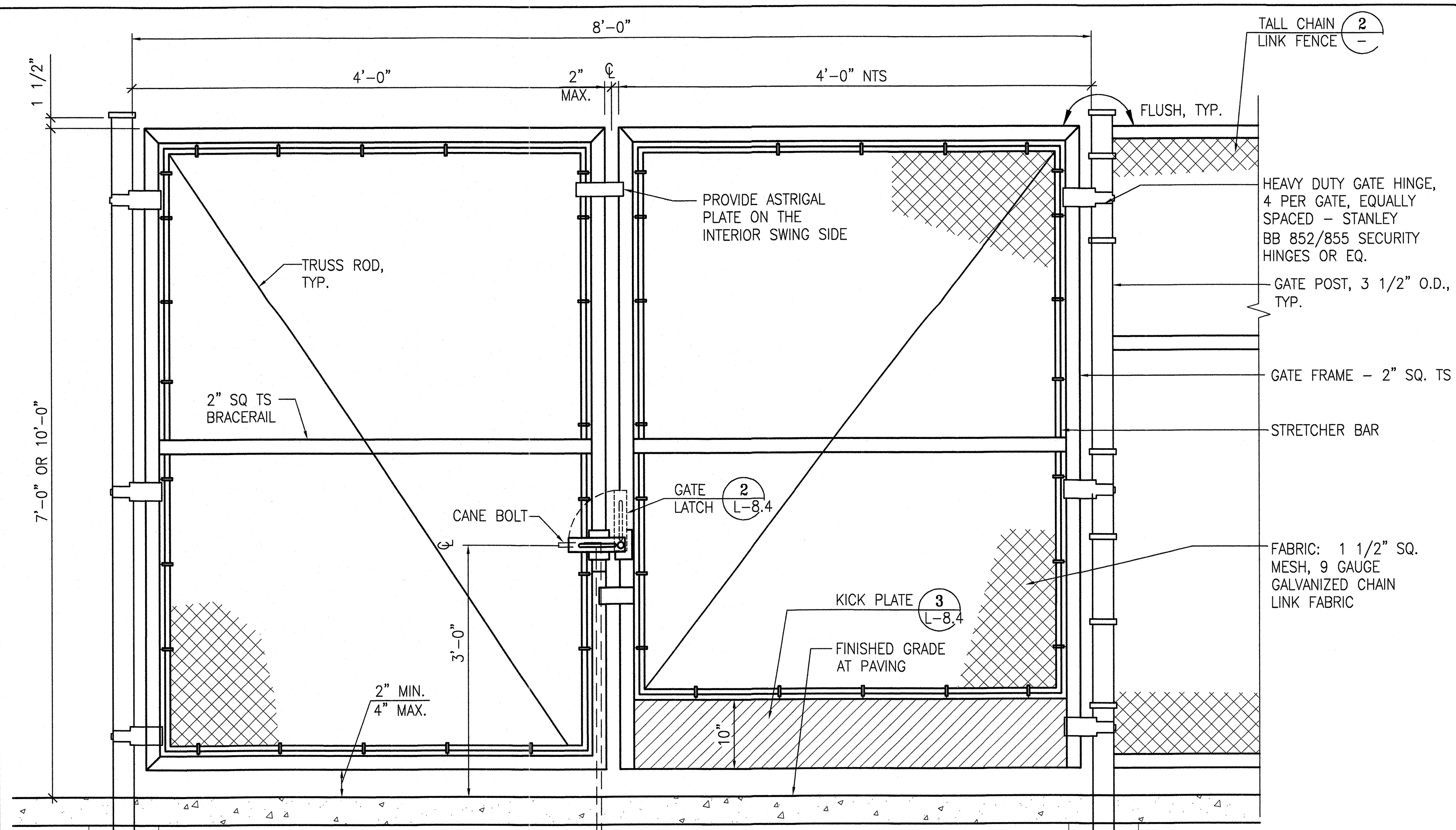
Drawing Title _____

CONSTRUCTION DETAILS

Sheet No. _____

L-8.5

Job No. 3054V



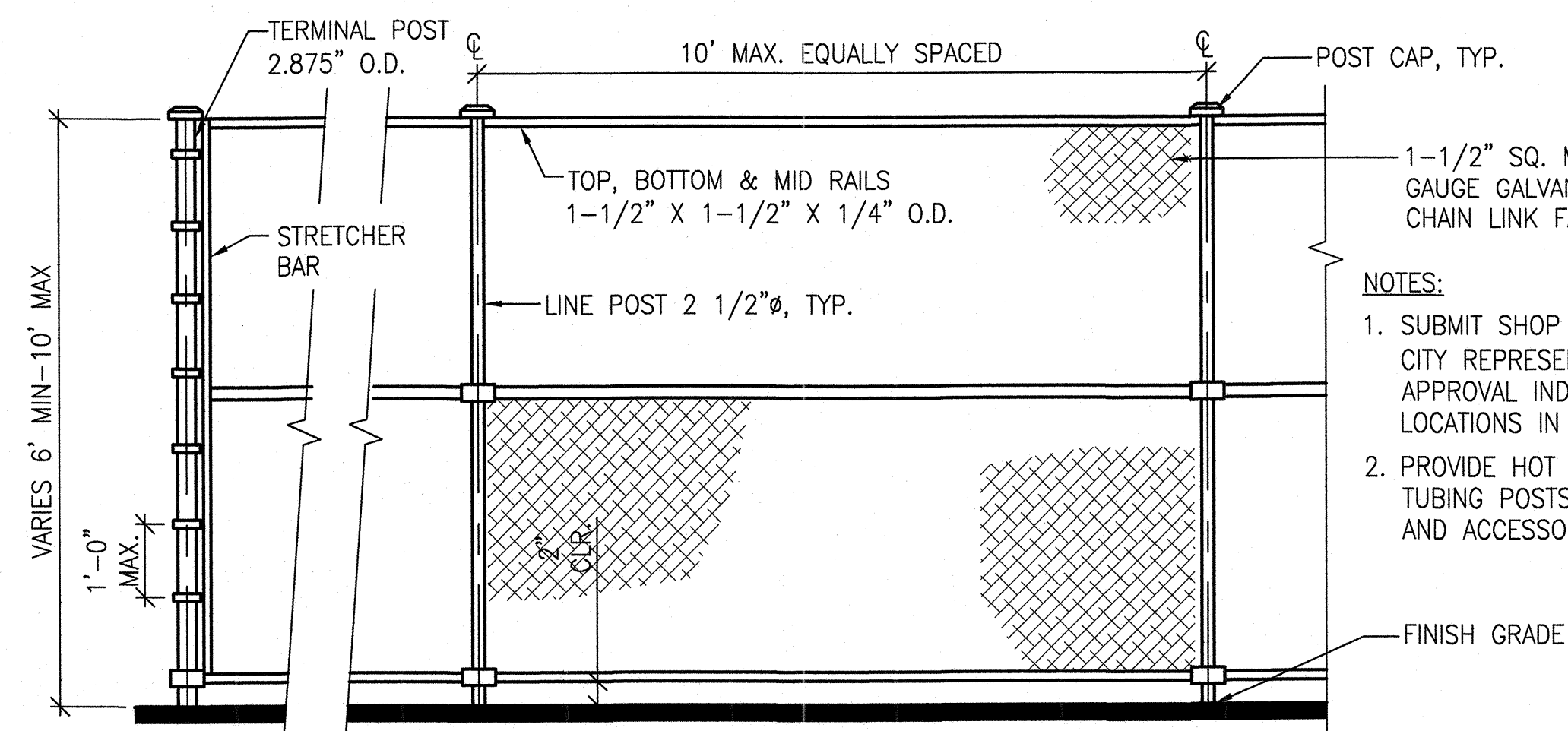
- NOTES:
1. PROVIDE HOT DIP GALVANIZED TUBING POSTS, FRAMEWORK AND ACCESSORIES, SEE SPECS.
 2. PROVIDE SHOP DRAWINGS FOR CITY REPRESENTATIVE'S APPROVAL FOR COMPLETE ASSEMBLY.
 3. FOR SWING DIRECTIONS, SEE PLAN.
 4. PROVIDE HOLD BACK (NOT SHOWN) FOR EACH DOUBLE LEAF.

CHAIN LINK FENCE GATE FOOTING, SEE (3) L-8.3

DOUBLE CHAIN LINK GATE

SCALE: 1"=1'-0"

1

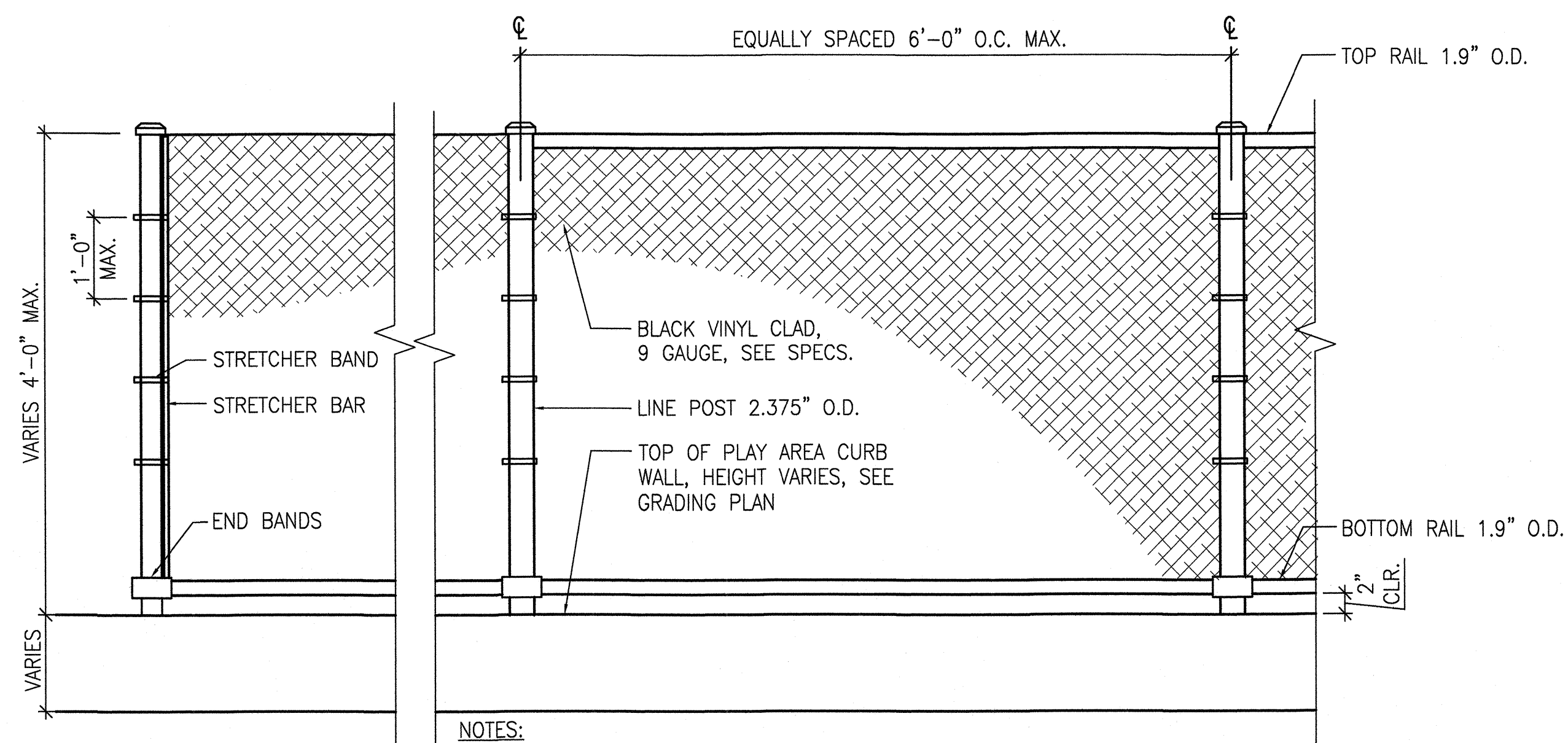


- NOTES:
1. SUBMIT SHOP DRAWINGS FOR CITY REPRESENTATIVE'S APPROVAL INDICATING POST LOCATIONS IN PLAN VIEW.
 2. PROVIDE HOT DIP GALVANIZED TUBING POSTS, FRAMEWORK AND ACCESSORIES. SEE SPECS.

TALL CHAIN LINK FENCE

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

2

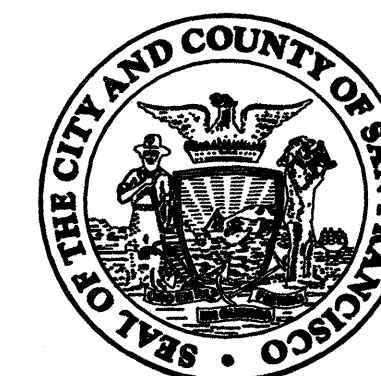


- NOTES:
1. SUBMIT SHOP DRAWINGS FOR CITY REPRESENTATIVE'S APPROVAL.
 2. PROVIDE HOT DEEP GALVANIZED AND PVC COATED TUBING POSTS, FRAMEWORK, ACCESSORIES AND VINYL CLAD FABRIC, SEE SPECS.
 3. FOR POST MOUNTING, SEE 8/S-1.4 SIMILAR

LOW CHAIN LINK FENCE

NOT TO SCALE

3



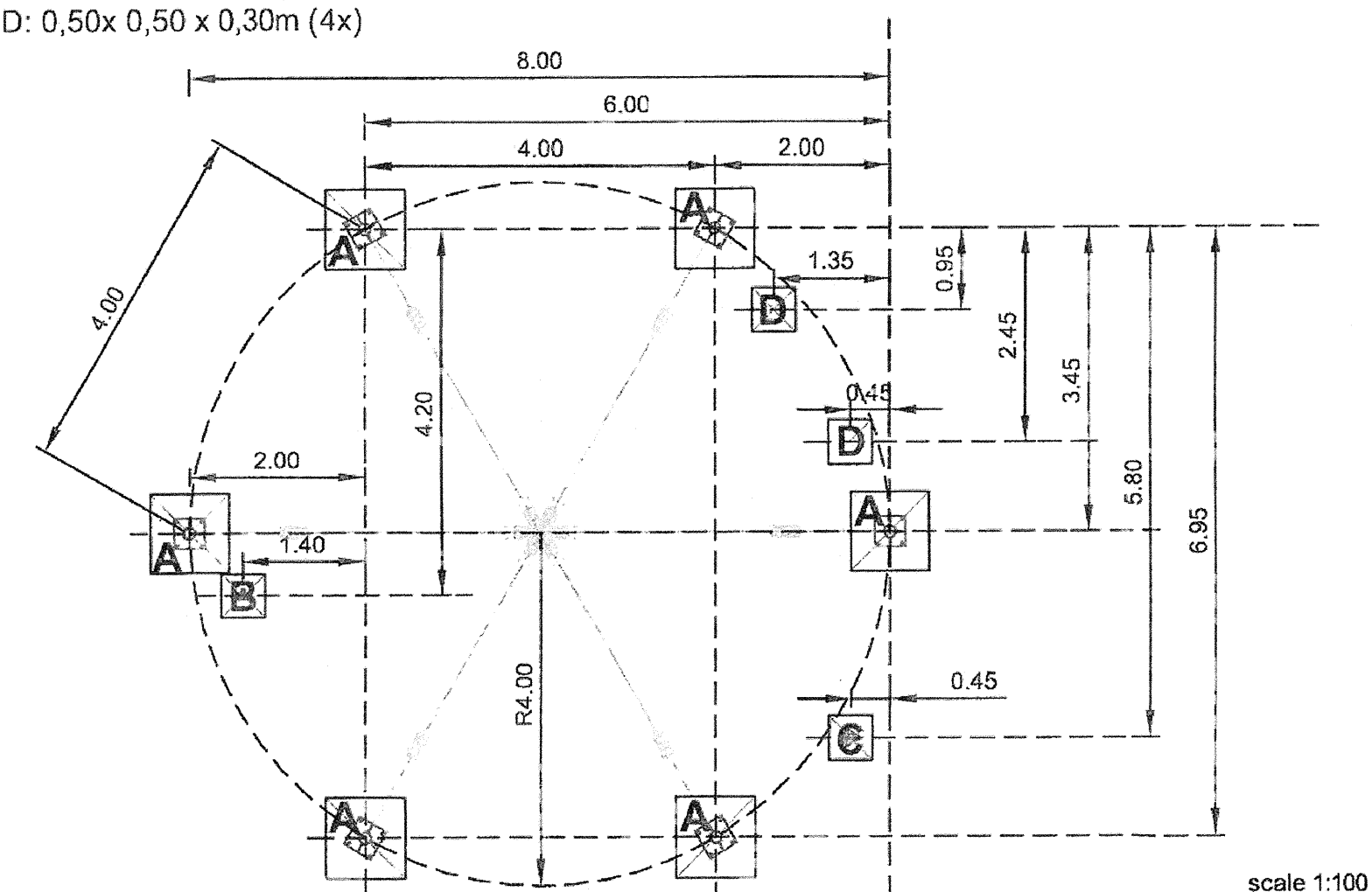
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CITY AND COUNTY OF SAN FRANCISCO

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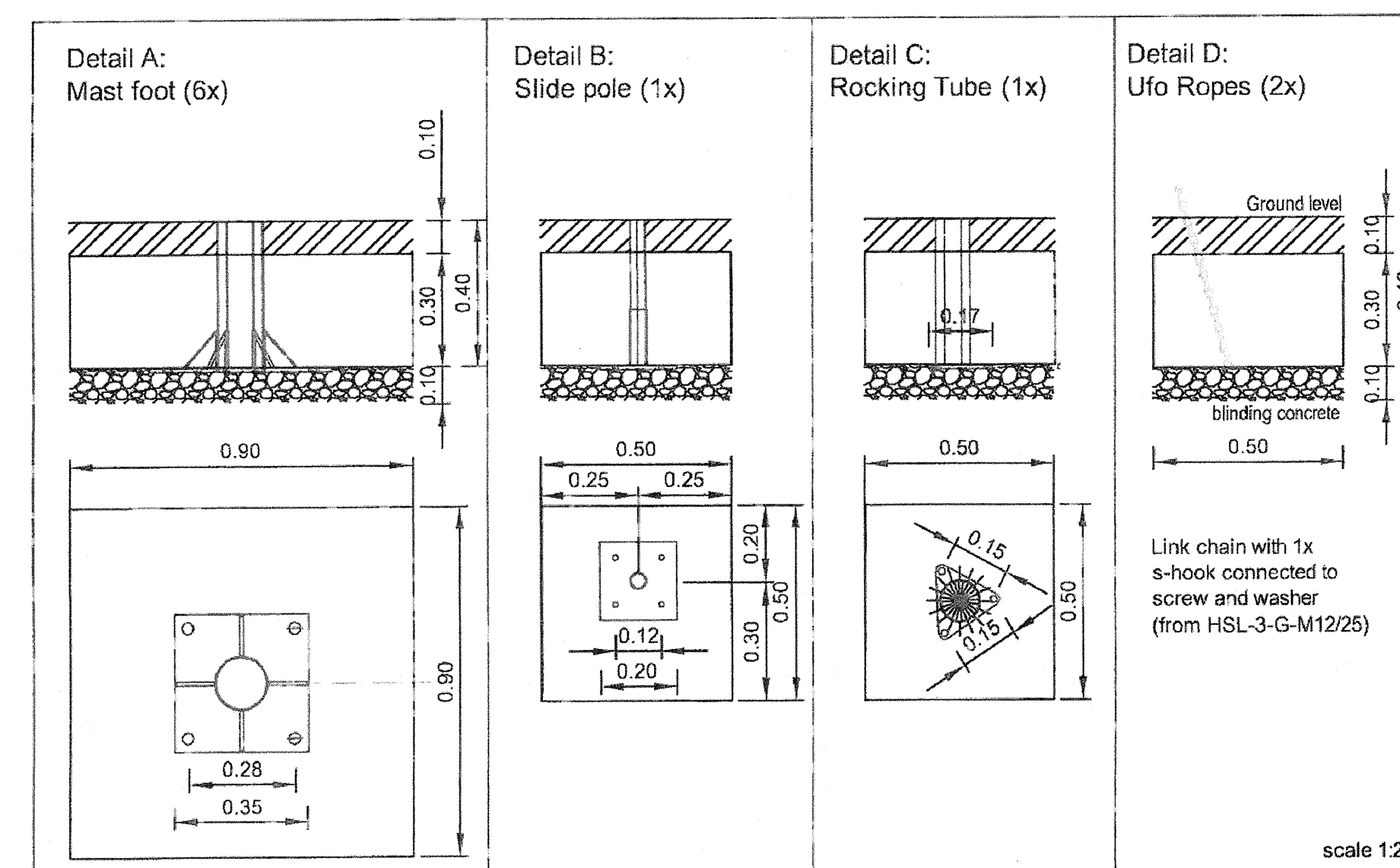
8630: EXPLORER DOME

Foundation plan
Synthetic surfacing

Foundation A: 0,90 x 0,90 x 0,30m (6x)
Foundation B, C, D: 0,50x 0,50 x 0,30m (4x)



scale 1:100



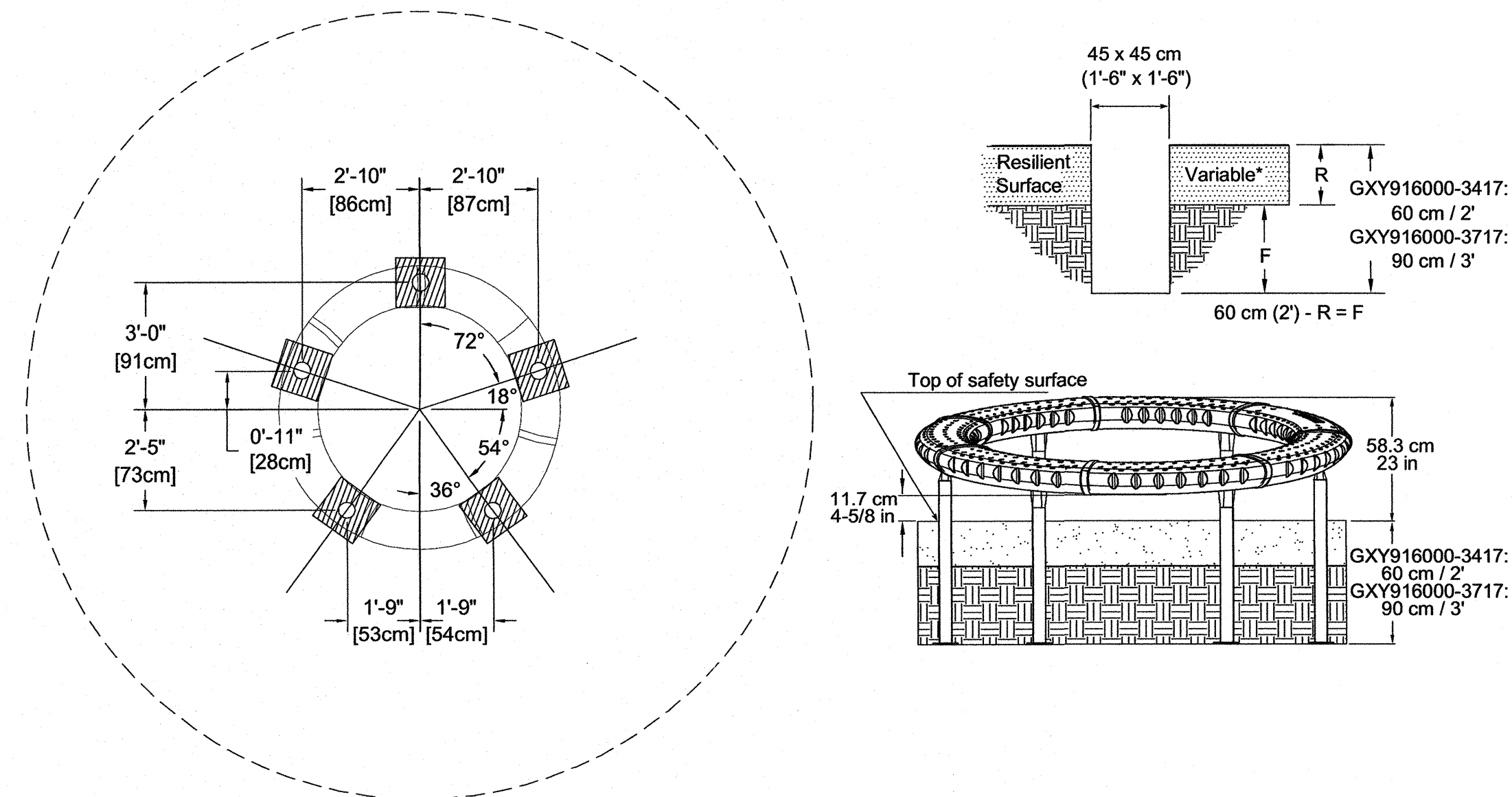
scale 1:20

Quality of concrete : C 25/30 (B 25)
The notes to the foundation plan are to be observed!
Subject to technical alterations. / Please ask for current standards.

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COROCORD
The Spacenet Inventors

GXY916 - SUPERNOVA
IN-GROUND FOOTINGS



NOT TO SCALE

WHIRL FOOTING

NOT TO SCALE

1

NET STRUCTURE FOOTING

NOT TO SCALE

2

Project

17th AND FOLSOM STREET
PARK

2080 FOLSOM STREET
SAN FRANCISCO, CA 94110

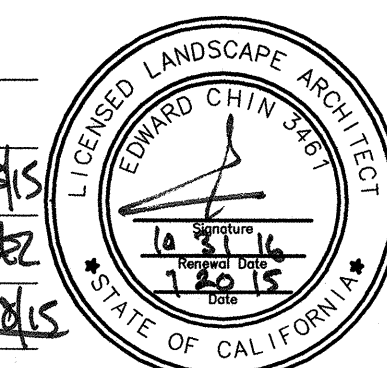
Consultant

Issue

100% BID SET

No.	Date	Revisions
1		
2		
3		

Drawn EB/KQ
Check EC/bz
Landscape Arch. EC/bz
Sr. Arch. EC/bz
Landscape Architect



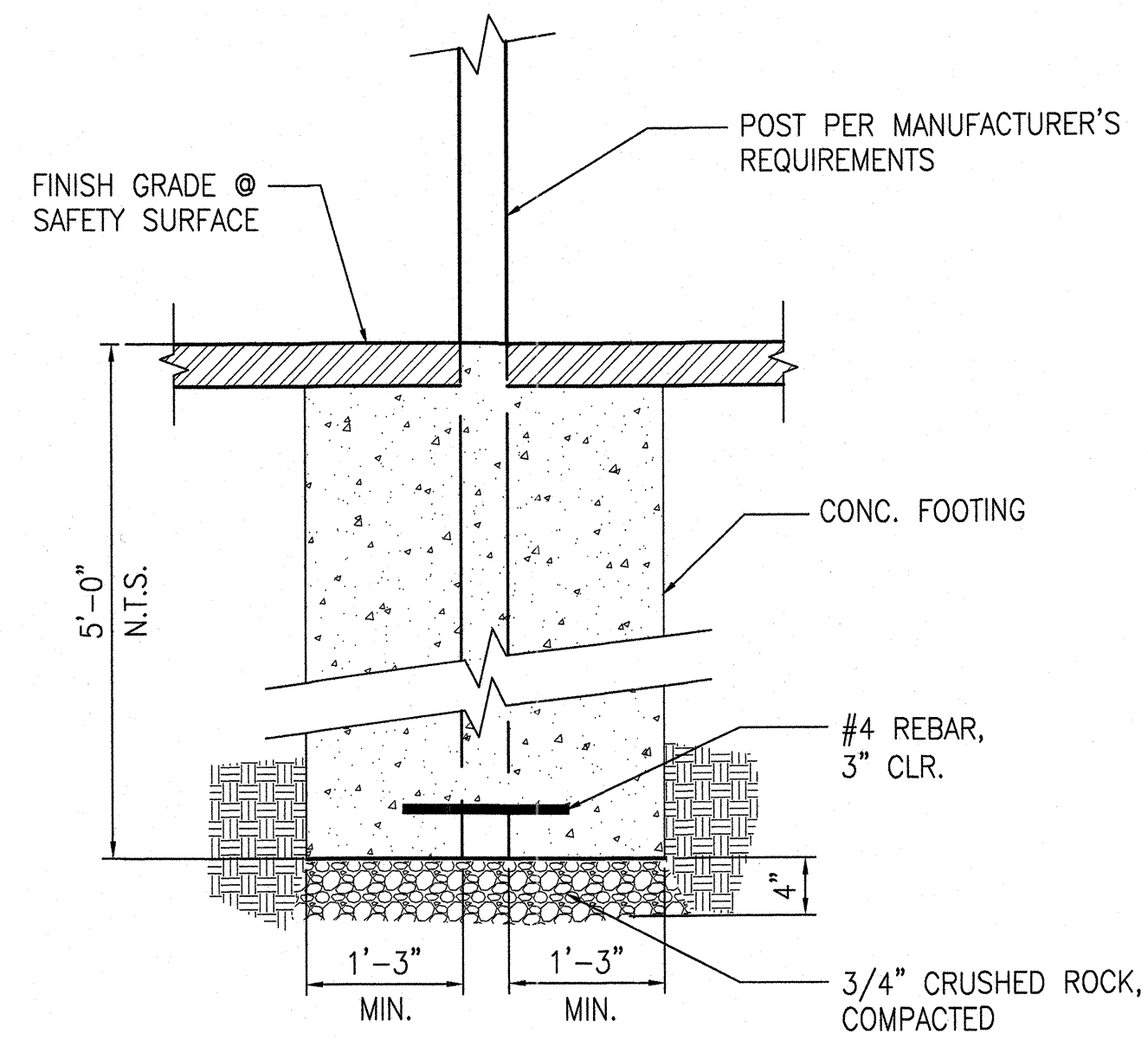
Drawing Title

CONSTRUCTION DETAILS

Sheet No.

L-8.6

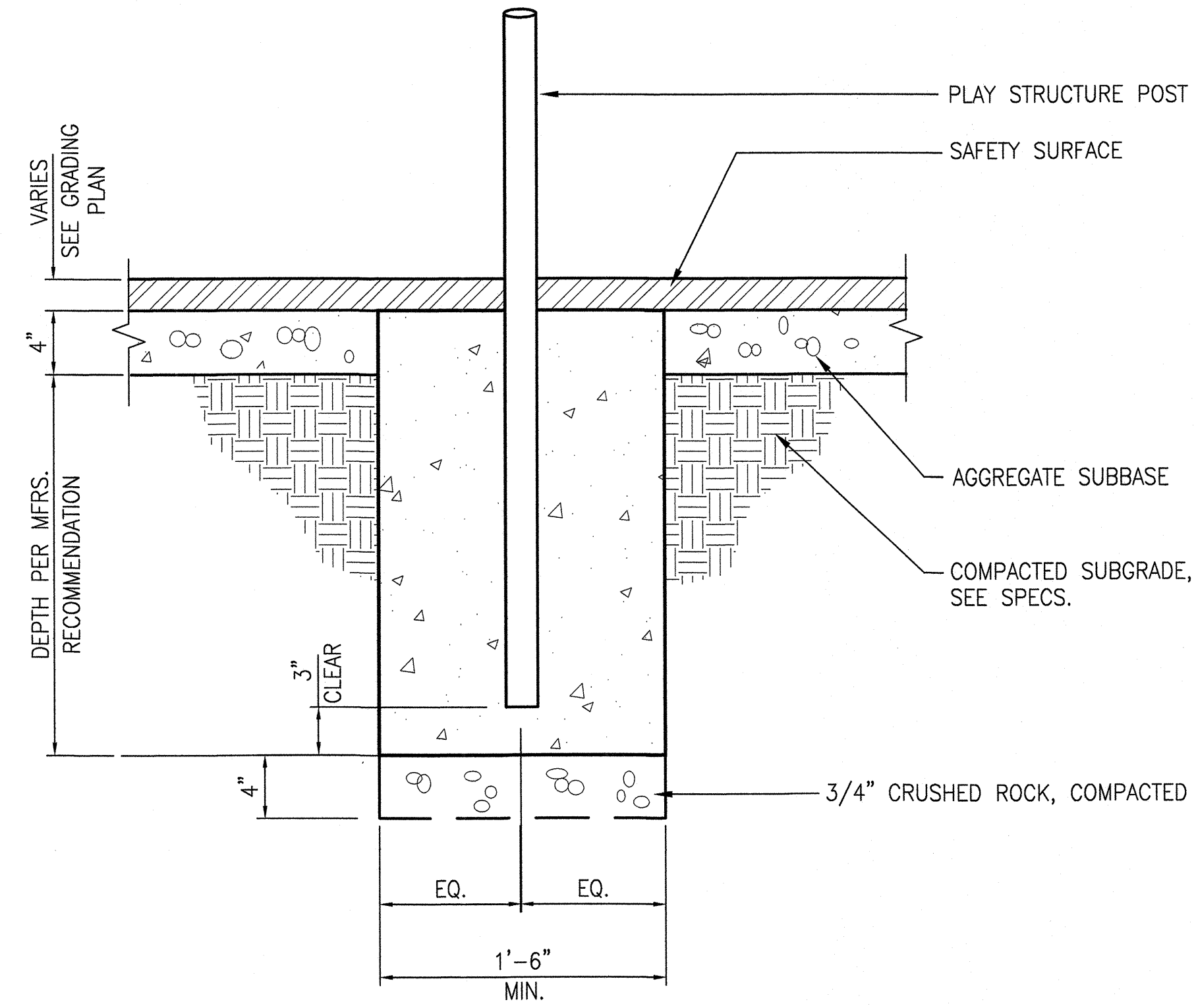
Job No. 3054V



TYPICAL FOOTING FOR BELT AND BUCKET SWINGS

SCALE: 3/4"=1'-0"

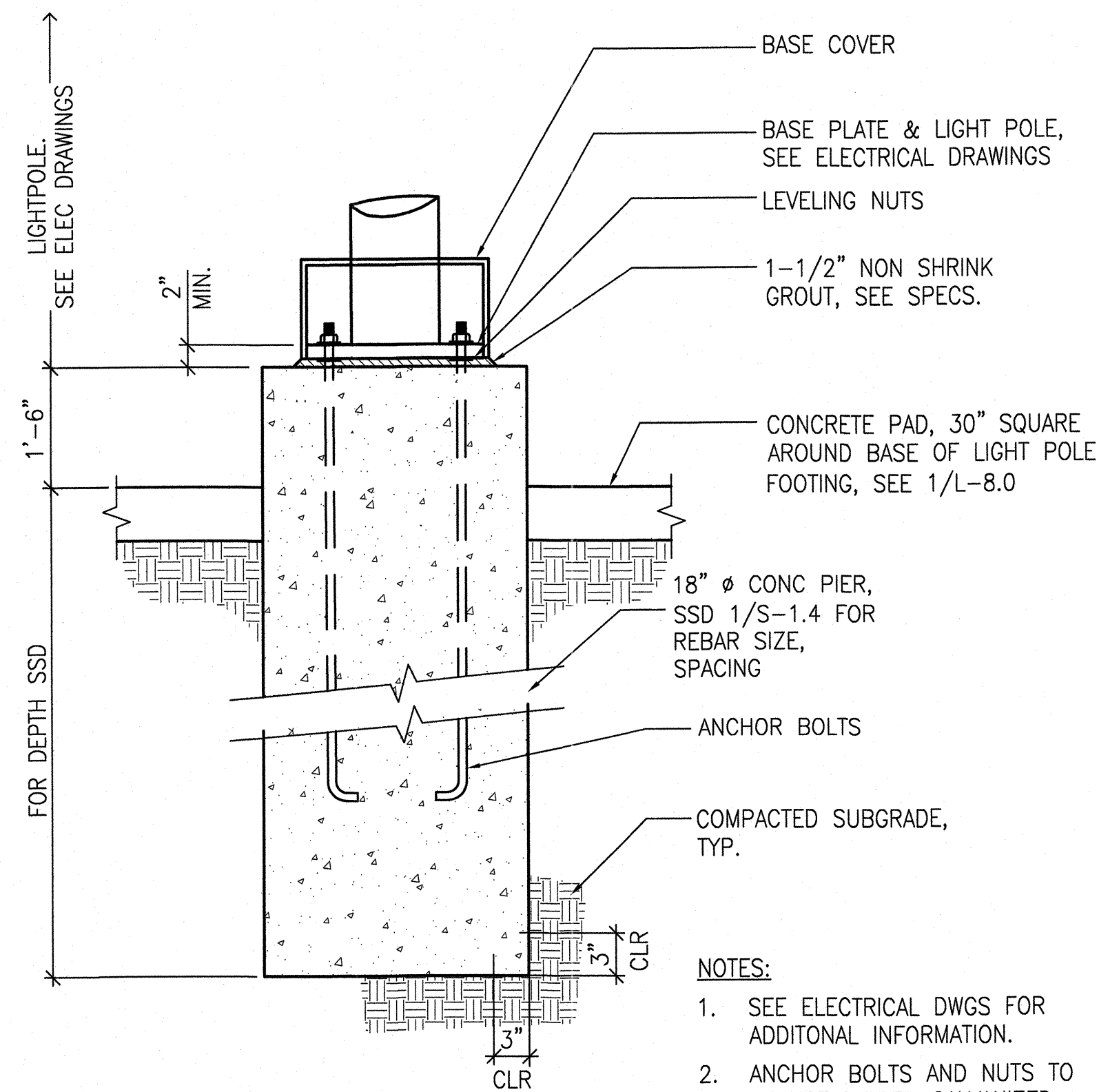
1



TYPICAL FOOTING FOR PLAY EQUIPMENT

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

2

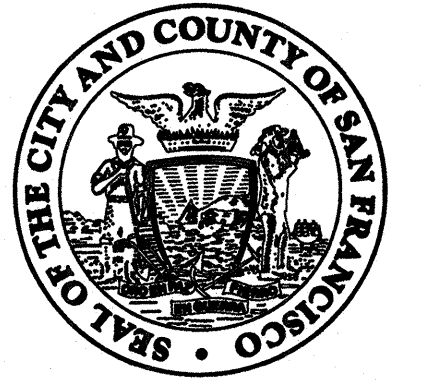


LIGHT POLE FOOTING

SCALE: N.T.S.

3

- NOTES:
- SEE ELECTRICAL DWGS FOR ADDITIONAL INFORMATION.
 - ANCHOR BOLTS AND NUTS TO BE HOT DIPPED GALVANIZED.



Project _____

17th AND FOLSOM STREET PARK

2080 FOLSOM STREET
SAN FRANCISCO, CA 94110

Consultant _____

Issue _____

100% BID SET

07/15

No.	Date	Revisions
1		
2		
3		

Drawn EB/KQ
Check _____
Landscape Arch. EC
Sr. Arch. _____
Landscape Architect



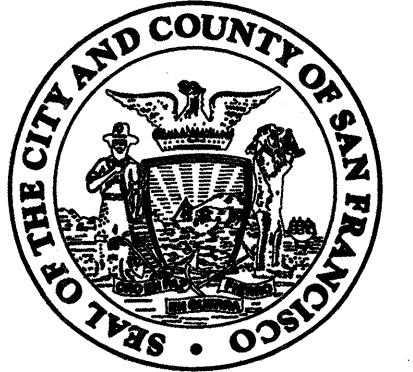
Drawing Title _____

CONSTRUCTION DETAILS

Sheet No. _____

L-8.7

Job No. 3054V



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CITY AND COUNTY OF SAN FRANCISCO
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Suite 4100 (415) 557-4700
Fax (415) 557-4701

Project _____
17th AND FOLSOM STREET PARK
2080 FOLSOM STREET
SAN FRANCISCO, CA 94110
Consultant _____

Issue _____

100% BID SET

No.	Date	Revisions
1		
2		
3		

Drawn EB/KQ
Check _____
Landscape Arch. EC
Sr. Arch. _____
EDWARD CHIN ARCHITECT
LICENSED LANDSCAPE ARCHITECT
STATE OF CALIFORNIA
Landscape Architect

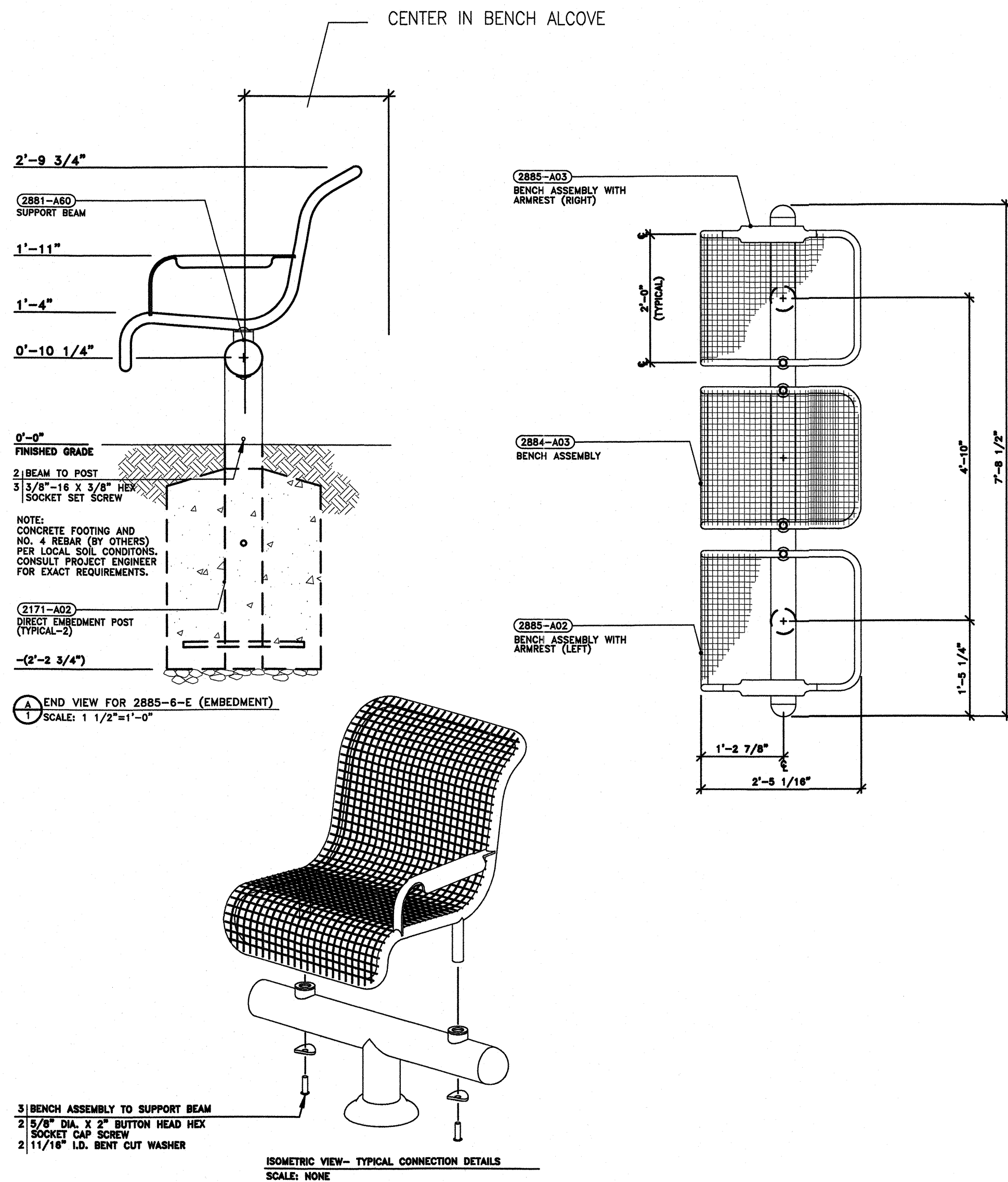
Drawing Title _____

CONSTRUCTION DETAILS

Sheet No. _____

L-8.8

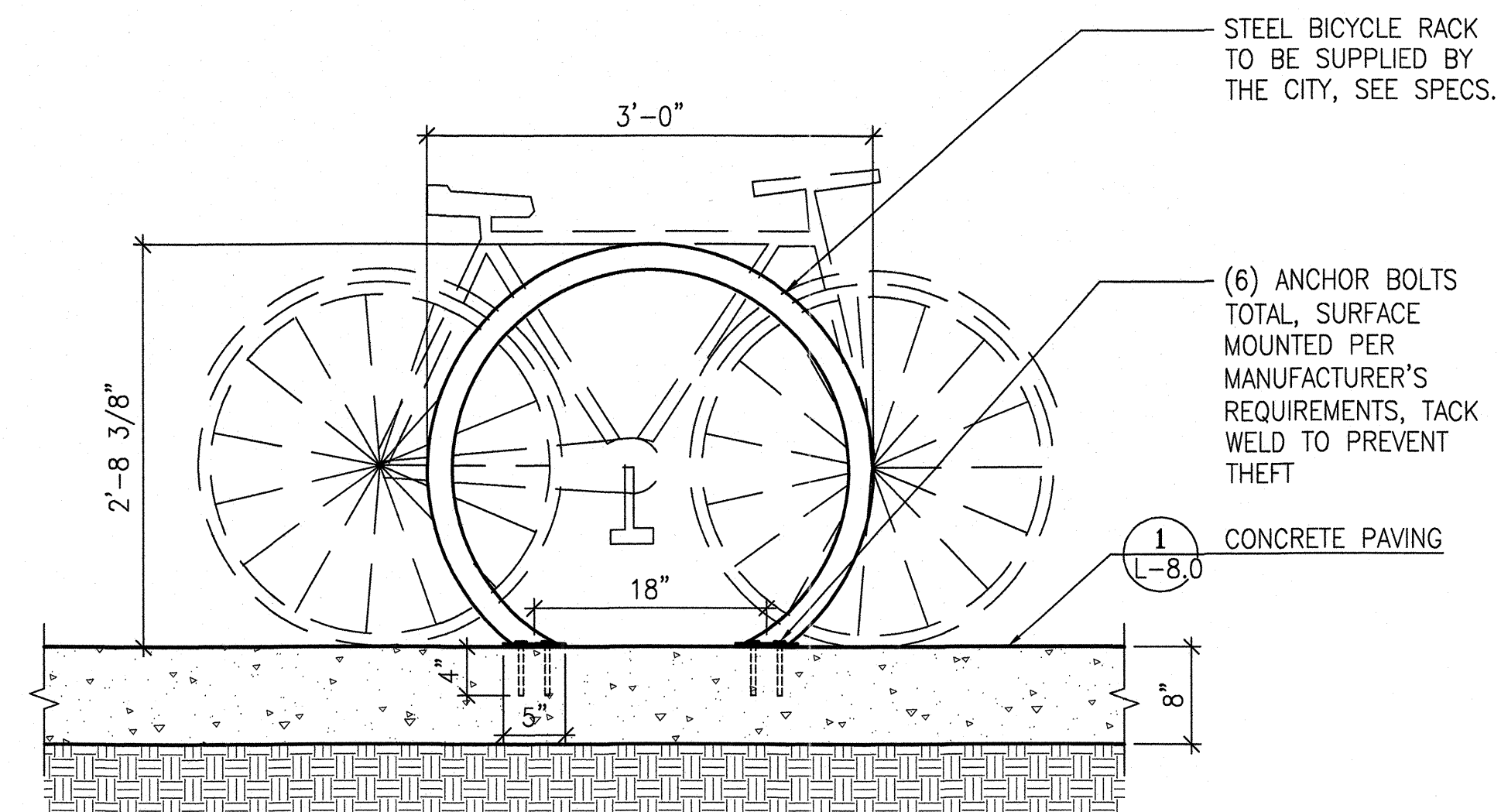
Job No. 3054V



BENCH

SCALE: AS SHOWN

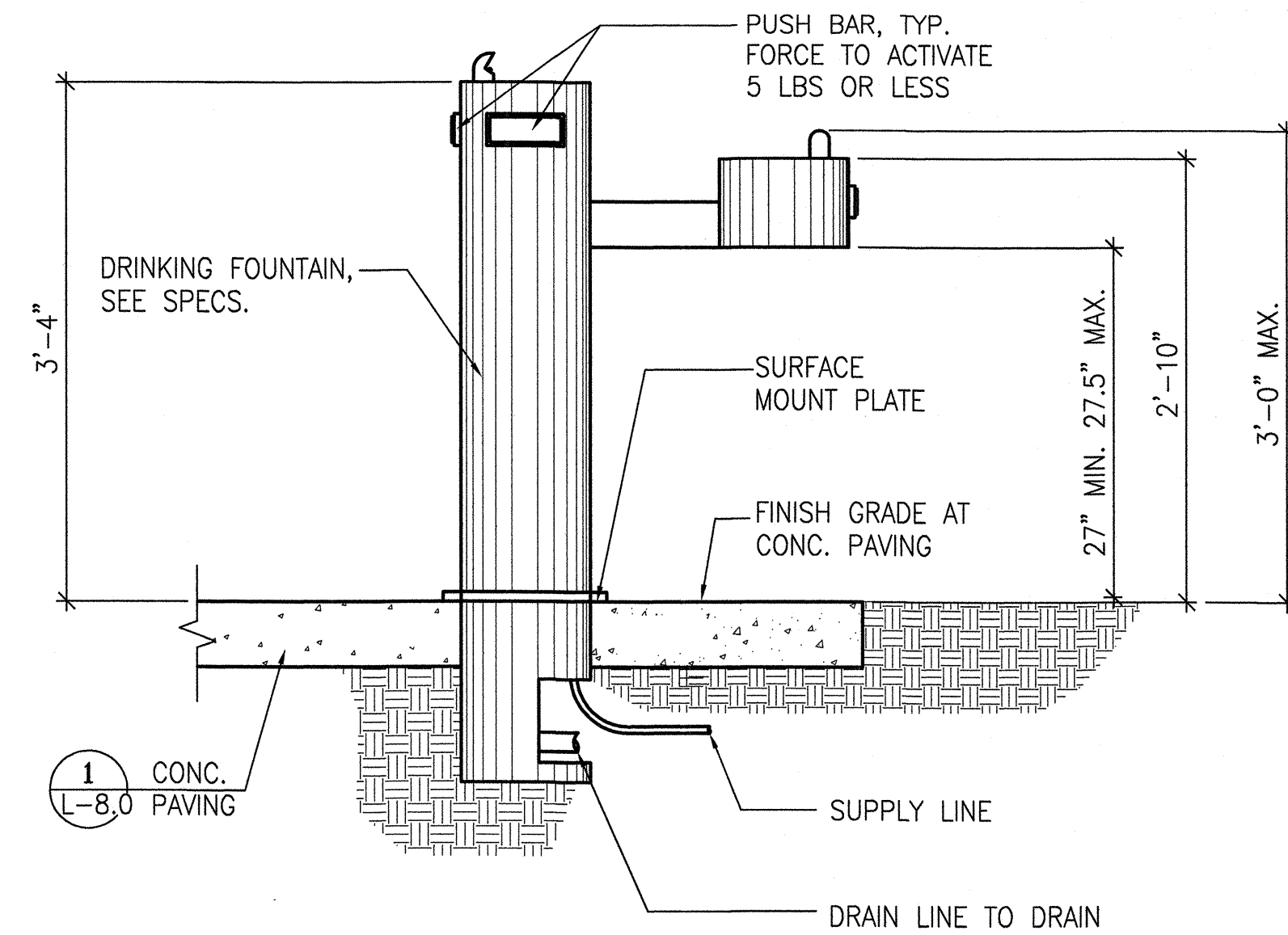
1



BICYCLE RACK

SCALE: 1"=1'-0"

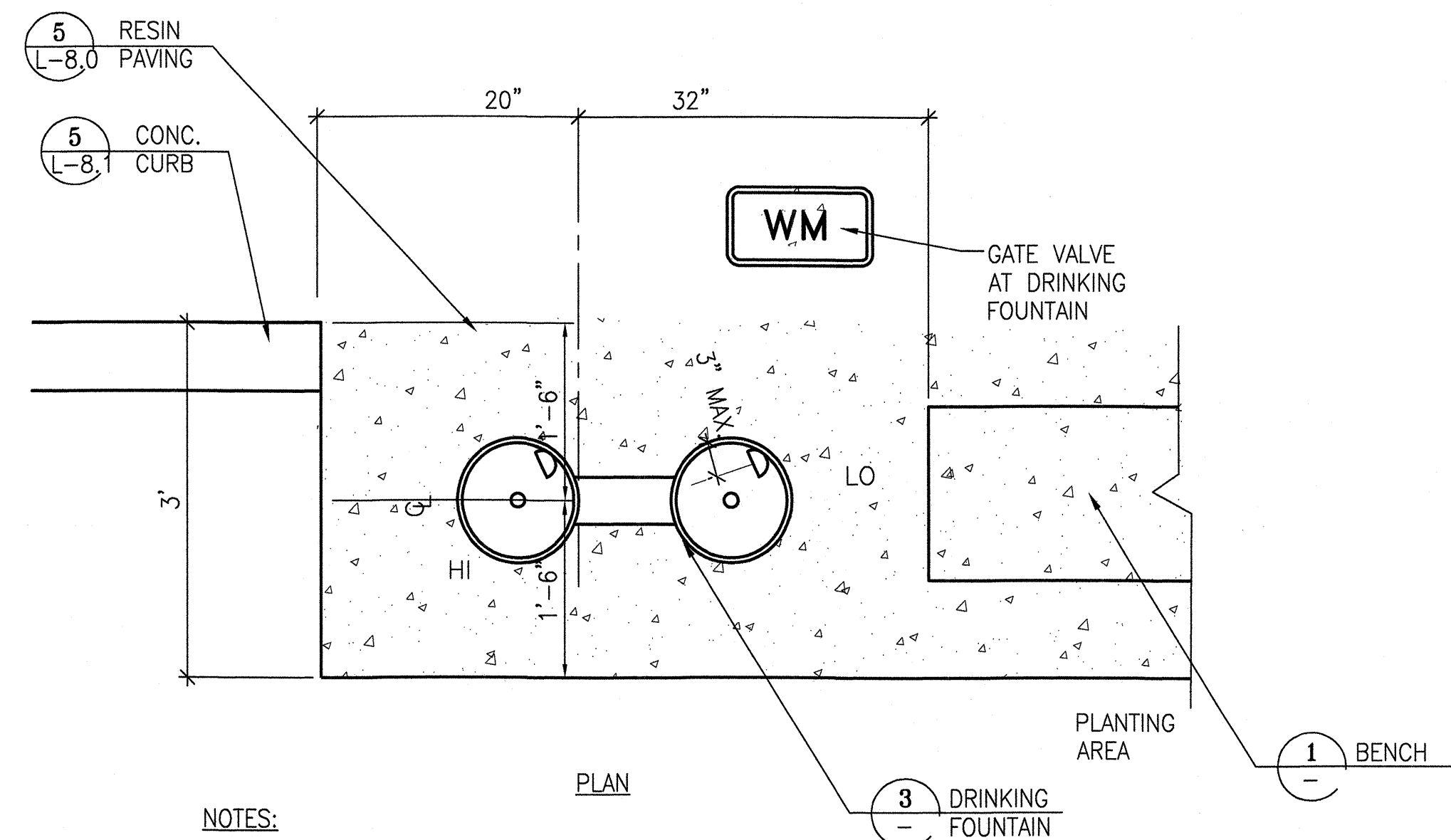
2



DRINKING FOUNTAIN

SCALE: 1"=1'-0"

3



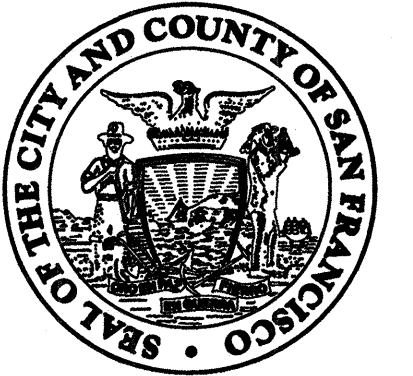
NOTES:

1- FLOW OF WATER MUST BE SUBSTANTIALLY PARALLEL TO USER & ARCH OF STREAM MUST BE AT LEAST 4" HIGH

DRINKING FOUNTAIN - PLAN

SCALE: NTS

4



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Project _____

17th AND FOLSOM STREET
PARK

2080 FOLSOM STREET
SAN FRANCISCO, CA 94110

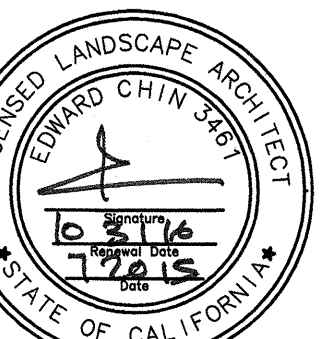
Consultant _____

Issue _____

100% BID SET

No.	Date	Revisions
1		
2		
3		

Drawn EB/KQ
Check [Signature]
Landscape Arch. EC [Signature]
Sr. Arch. [Signature]
Landscape Architect



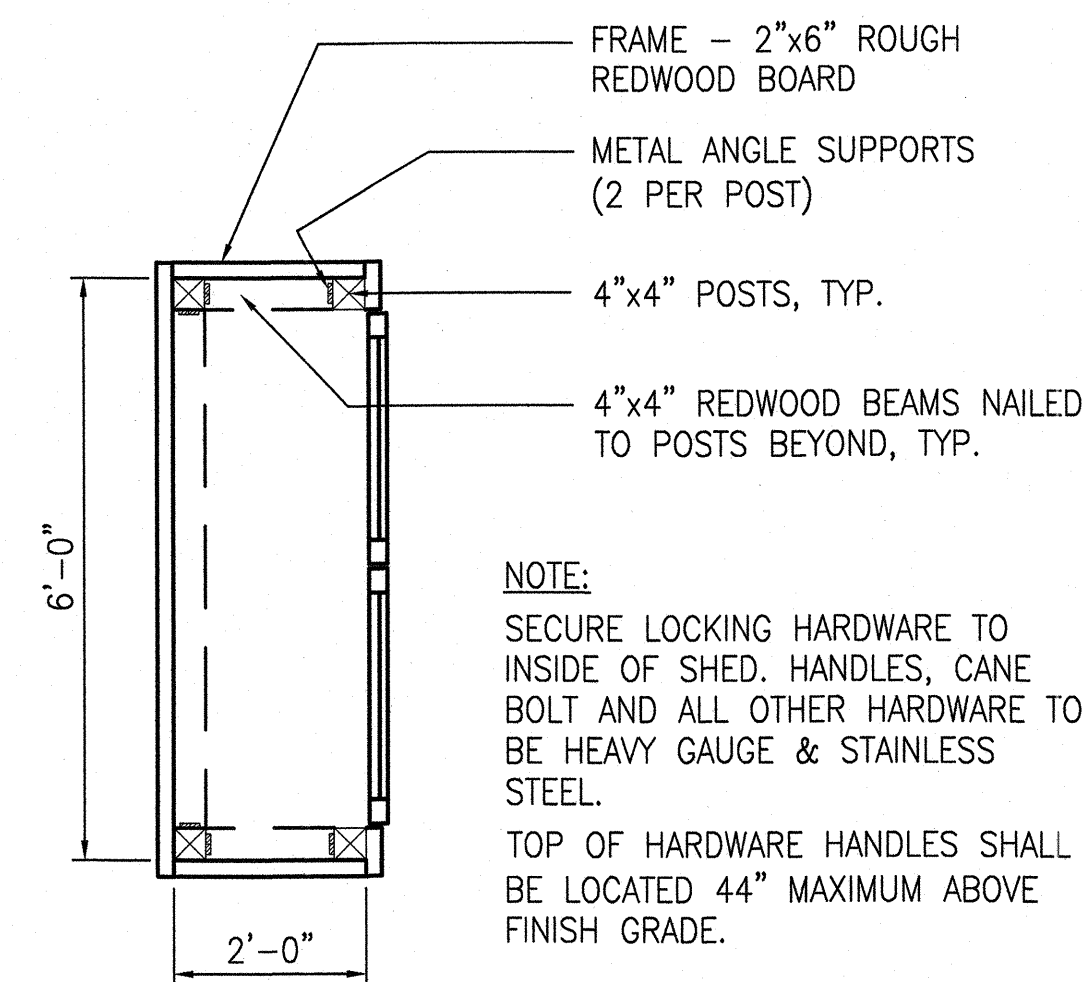
Drawing Title _____

CONSTRUCTION DETAILS

Sheet No. _____

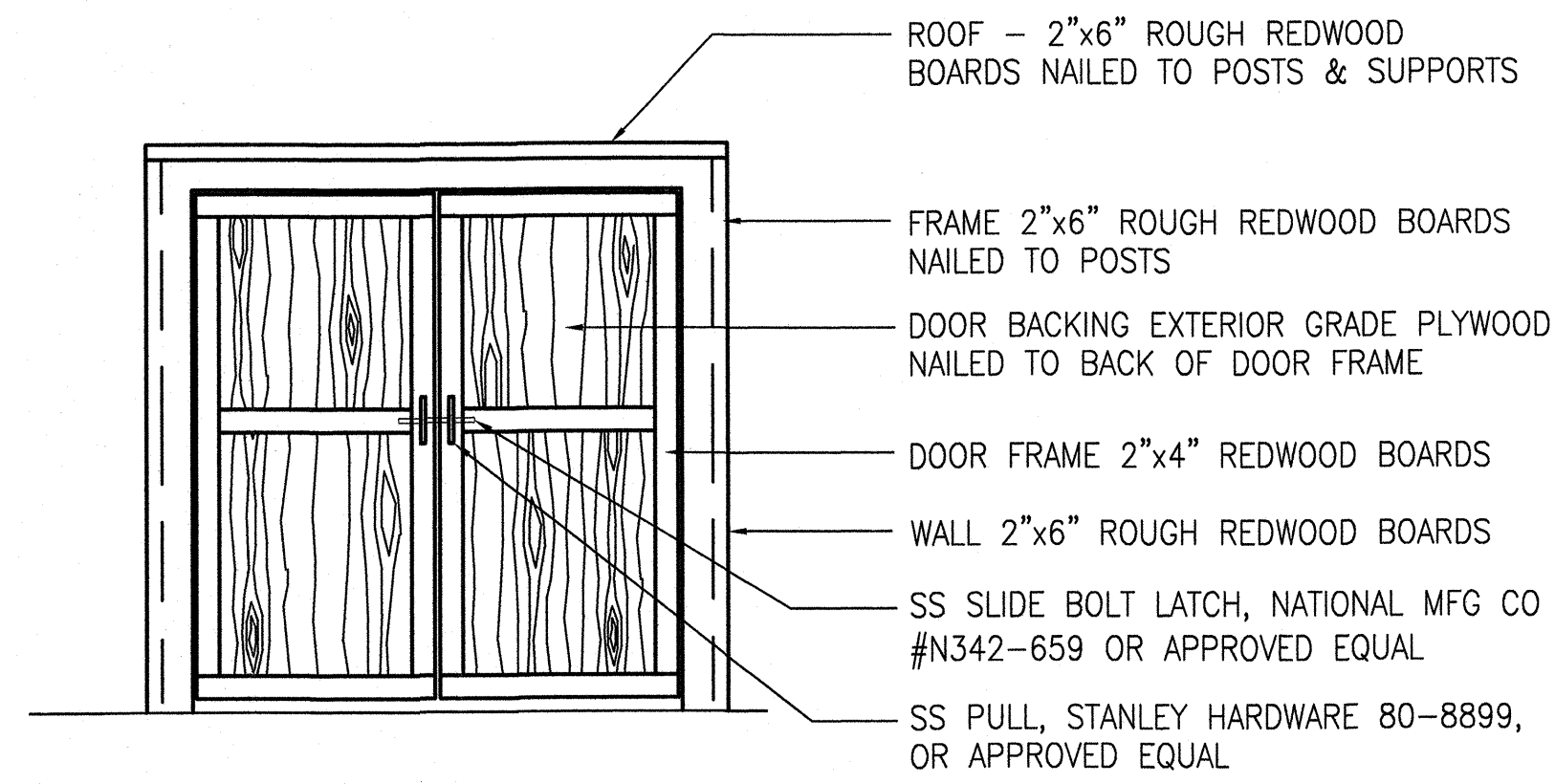
L-8.9

Job No. 3054V

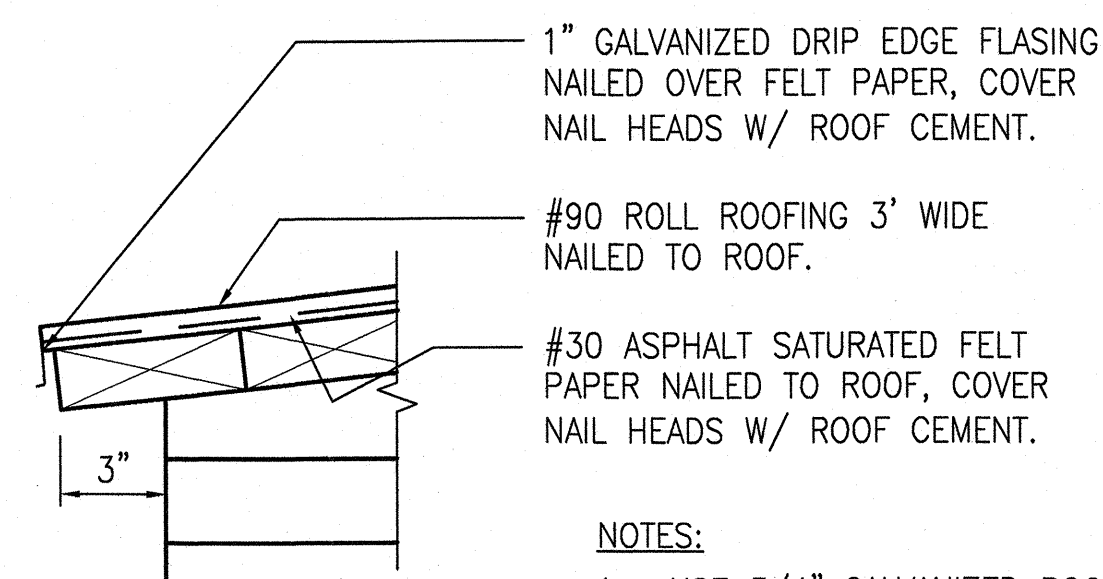


FLOOR PLAN

NOTE:
SECURE LOCKING HARDWARE TO INSIDE OF SHED. HANDLES, CANE BOLT AND ALL OTHER HARDWARE TO BE HEAVY GAUGE & STAINLESS STEEL.
TOP OF HARDWARE HANDLES SHALL BE LOCATED 44" MAXIMUM ABOVE FINISH GRADE.



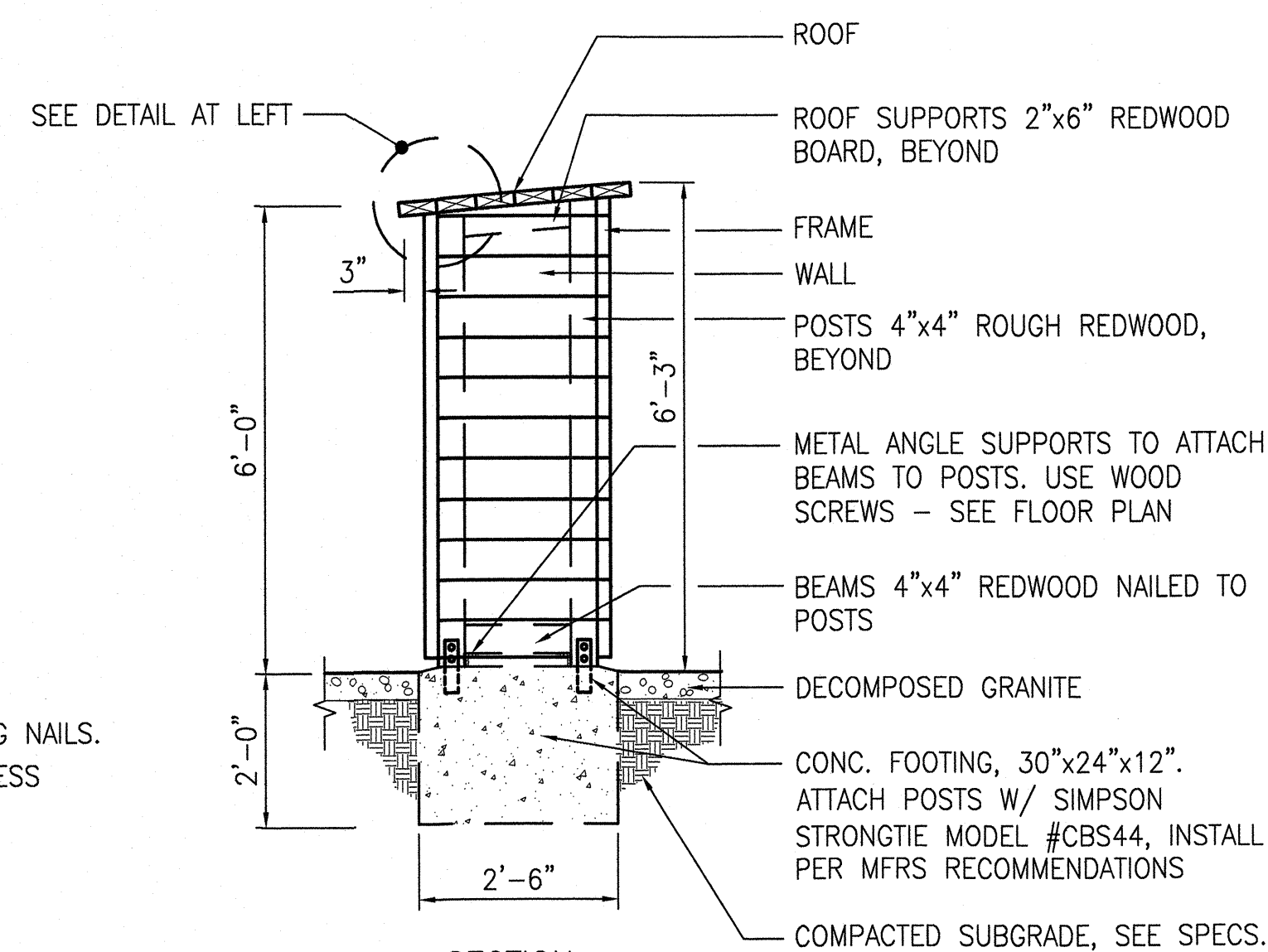
FRONT ELEVATION



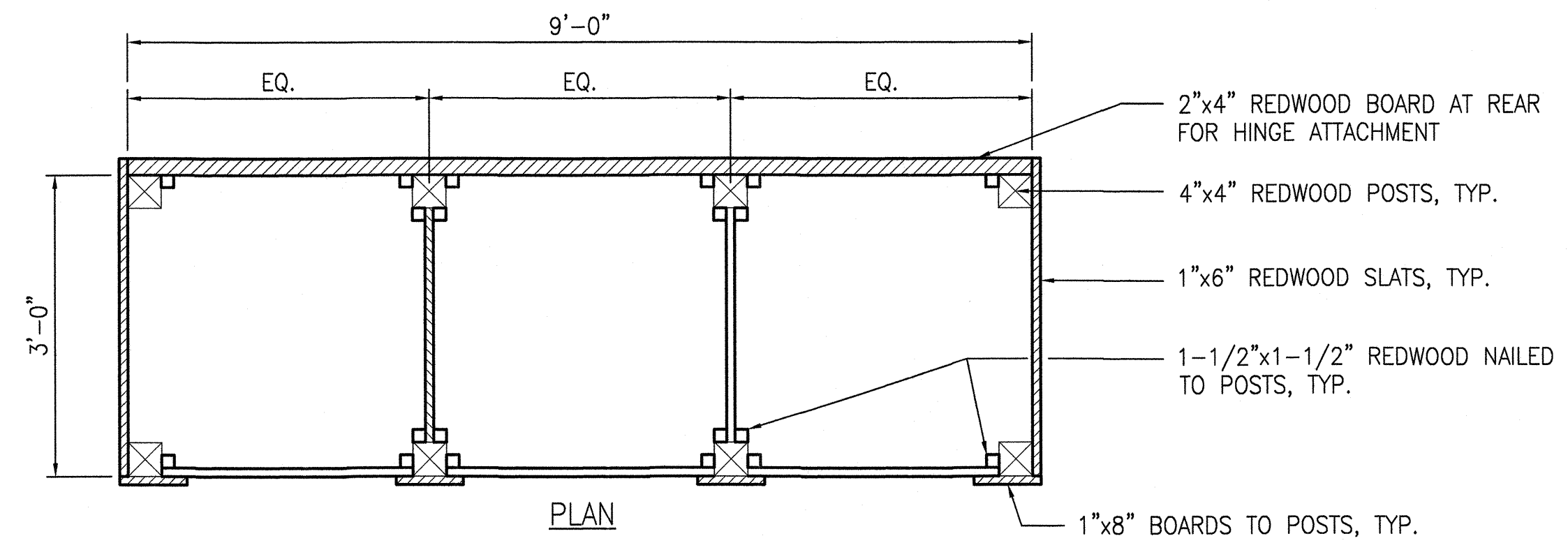
ROOF DETAIL
N.T.S.

- NOTES:
1. USE 3/4" GALVANIZED ROOFING NAILS.
 2. USE ROOF GUARD COLD PROCESS ROOFING CEMENT.

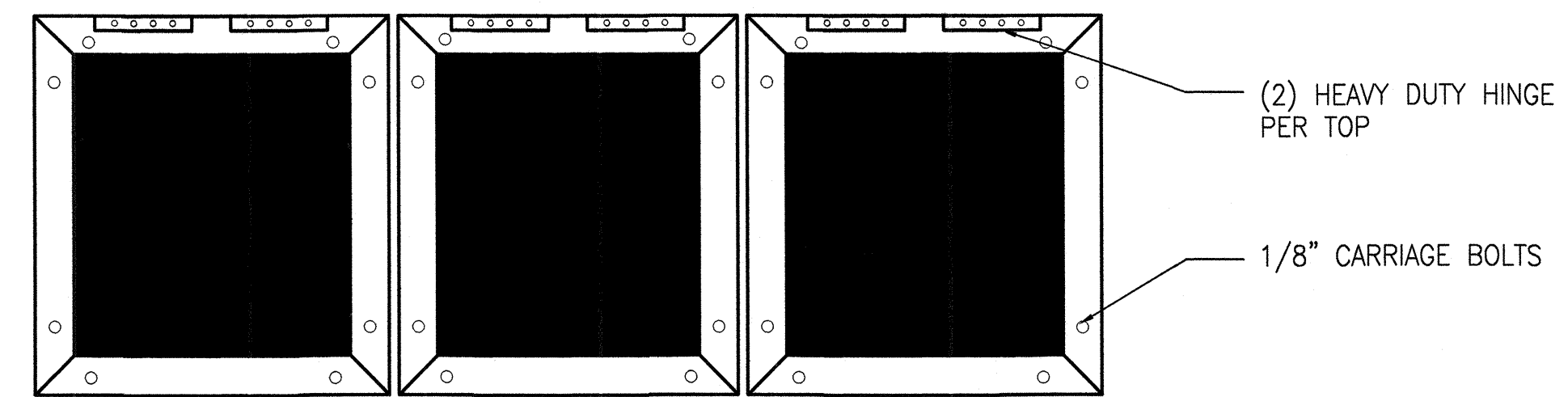
NOTE:
ATTACH HOSE RACK TO SIDE OF TOOL SHED ADJACENT TO HOSE BIB LOCATION AS SHOWN ON SHEET L-6.0



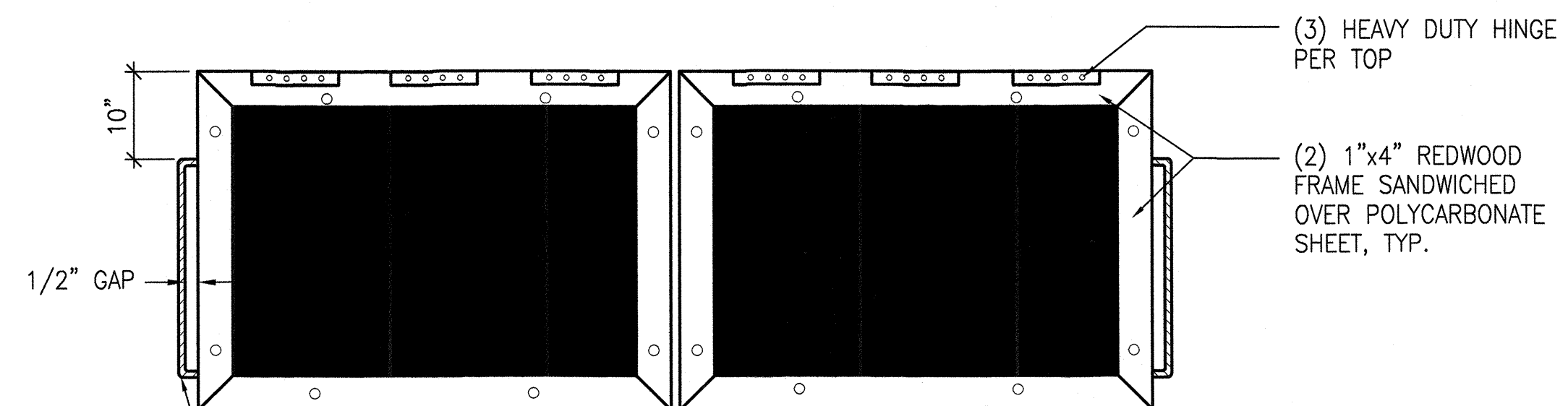
SECTION



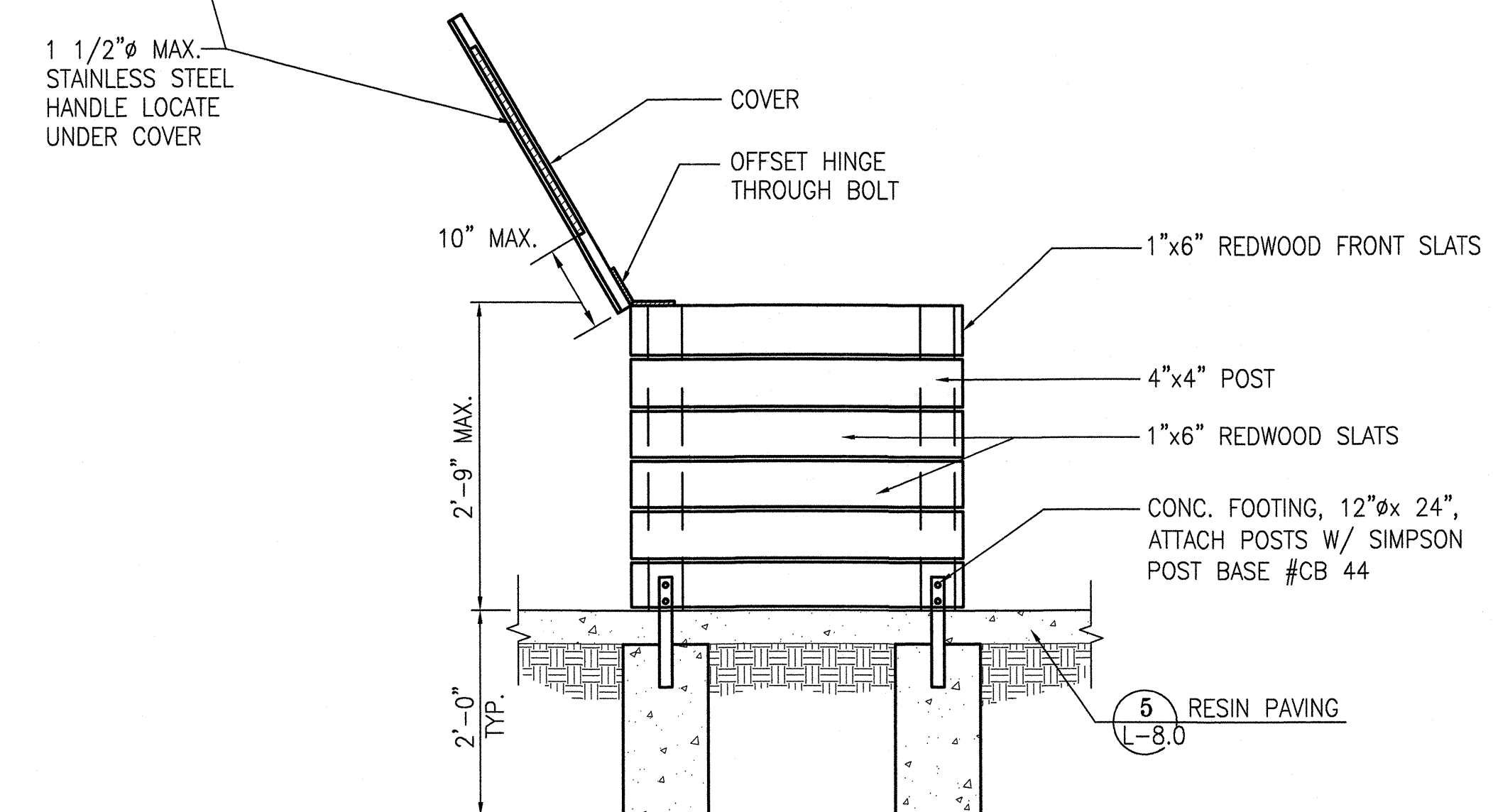
PLAN



PLAN VIEW, THREE PIECE COVER



PLAN VIEW, TWO PIECE COVER/ADA TOP



WOOD COMPOST BINS

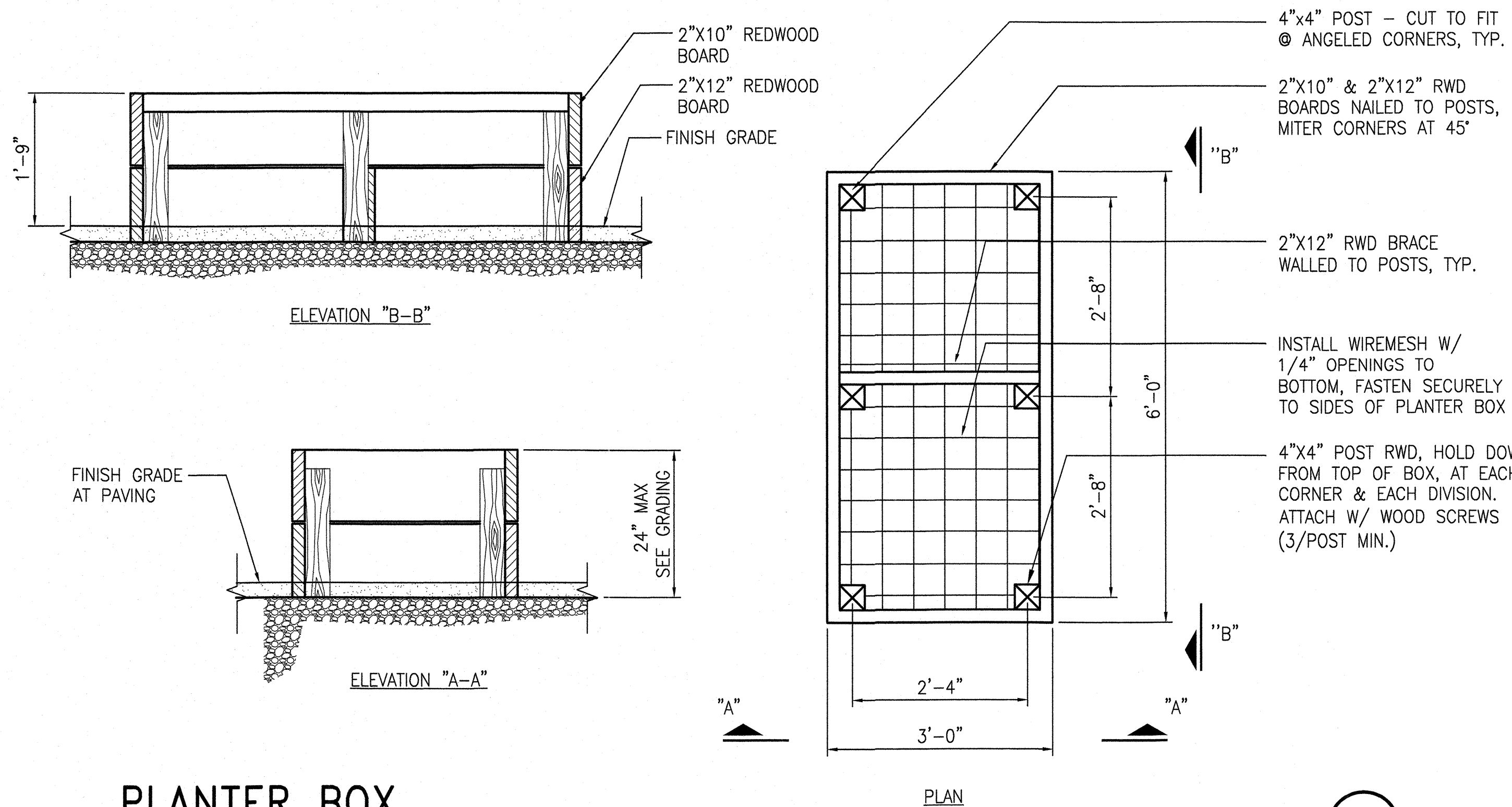
TOOL SHED

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

1

SCALE: 3/4"=1'-0"

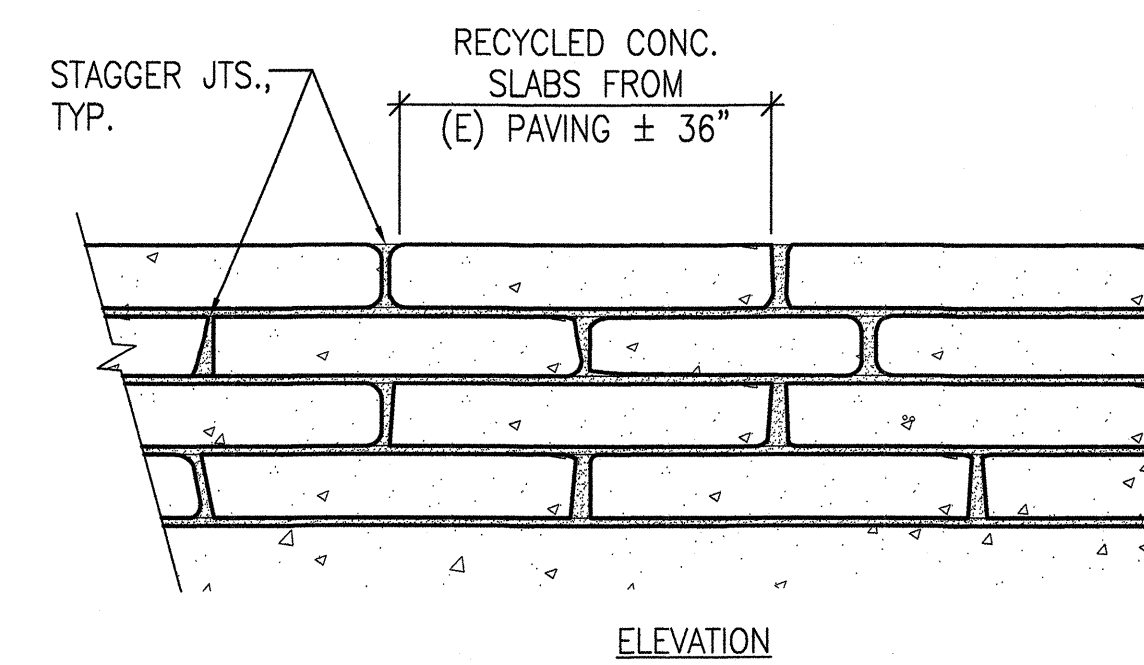
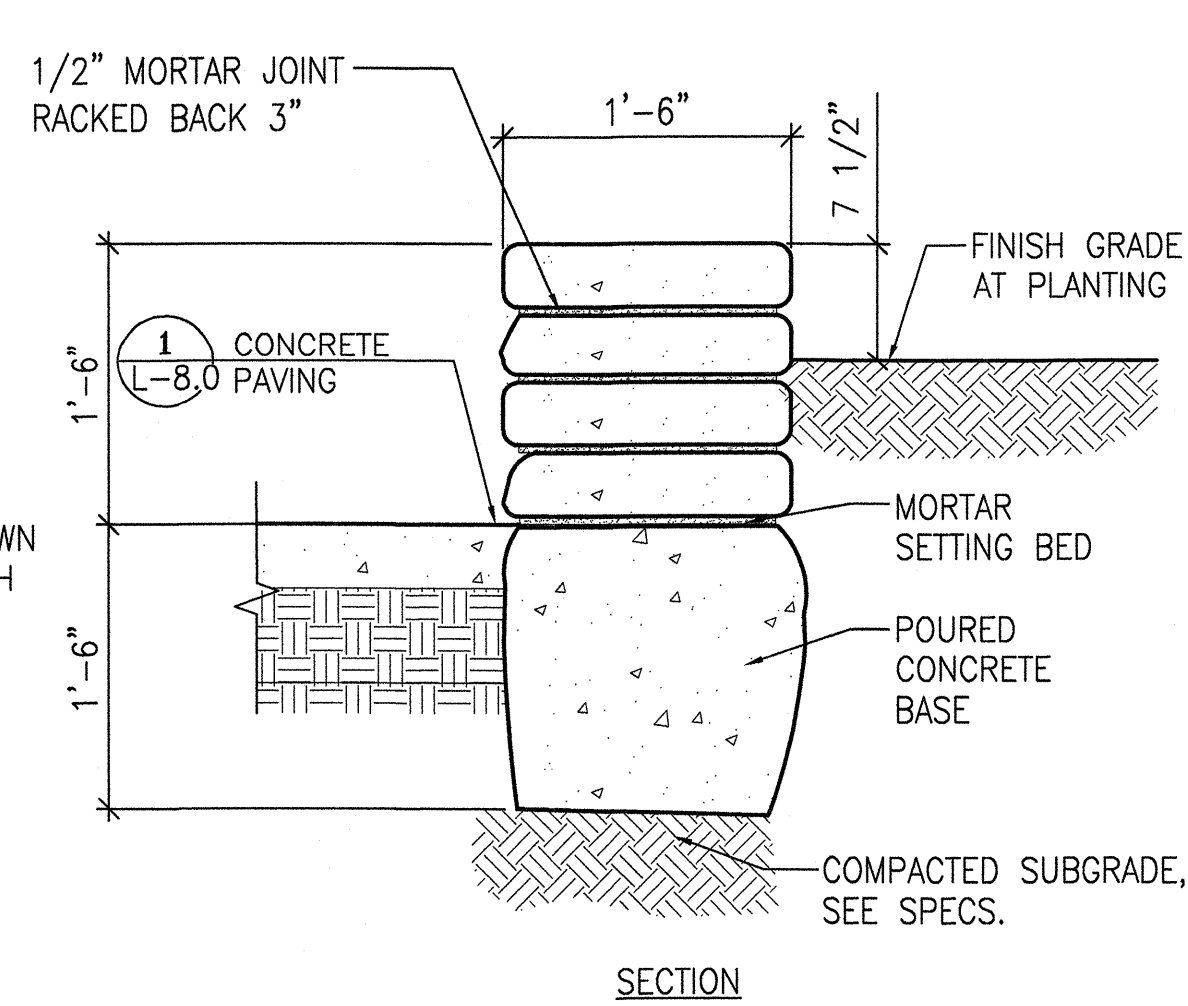
2



PLANTER BOX

SCALE: 3/4"=1'-0"

1



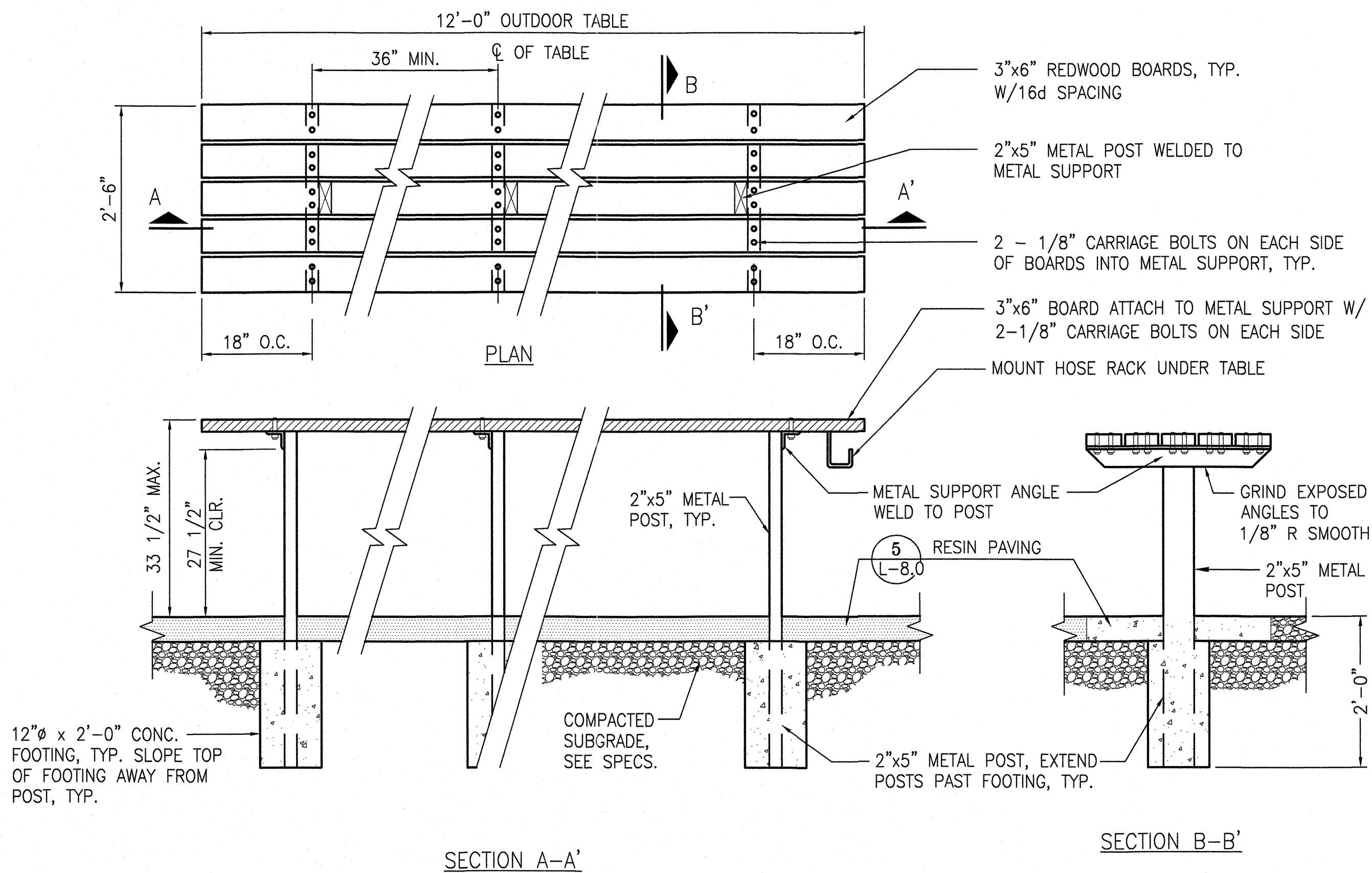
NOTE:

1. PROVIDE MOCK UP OF 8LF OF WALL FOR APPROVAL BY CITY REPRESENTATIVE PRIOR TO INSTALLATION.
2. RECYCLED CONCRETE FROM PROJECT SIDEWALK DEMOLITION. CONTRACTOR TO PROVIDE SAMPLE PIECE PRIOR TO STOCKPILING.

RECYCLED CONCRETE SEATWALL

SCALE: 1"=1'-0"

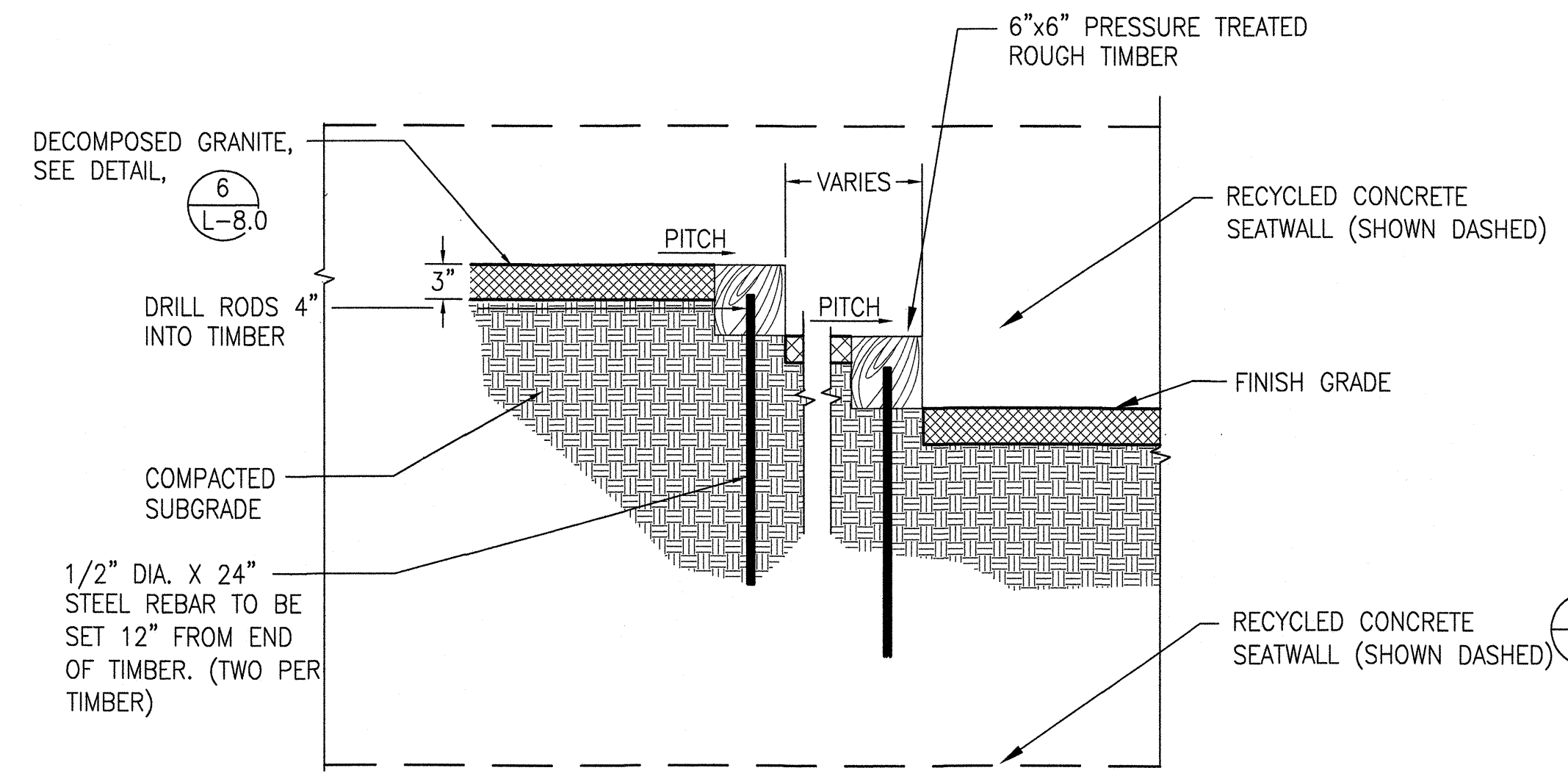
3



POTTING TABLE

SCALE: 3/4"=1'-0"

2



WOOD STEPS

SCALE: 1"=1'-0"

4



Project

17th AND FOLSOM STREET PARK

2080 FOLSOM STREET
SAN FRANCISCO, CA 94110

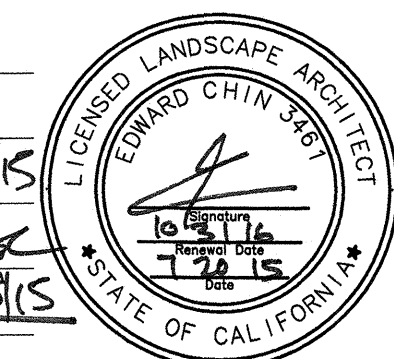
Consultant

Issue

100% BID SET

No.	Date	Revisions
1		
2		
3		

Drawn EB/KQ
Check
Landscape Arch. EC
Sr. Arch.
Landscape Architect



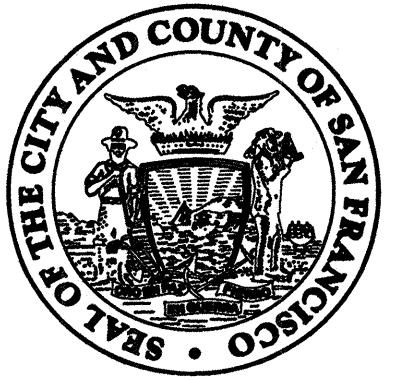
Drawing Title

CONSTRUCTION DETAILS

Sheet No.

L-8.10

Job No. 3054V



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CITY AND COUNTY OF SAN FRANCISCO
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94102-6026 Fax (415) 557-4701

Project _____

17th AND FOLSOM STREET
PARK

2080 FOLSOM STREET
SAN FRANCISCO, CA 94110

Consultant _____

Issue _____

100% BID SET

No.	Date	Revisions
1		
2		
3		

Drawn EB/KQ
Check [Signature] 8/15
Landscape Arch. EC [Signature] 8/15
Sr. Arch. [Signature] 8/15
Landscape Architect



Drawing Title _____

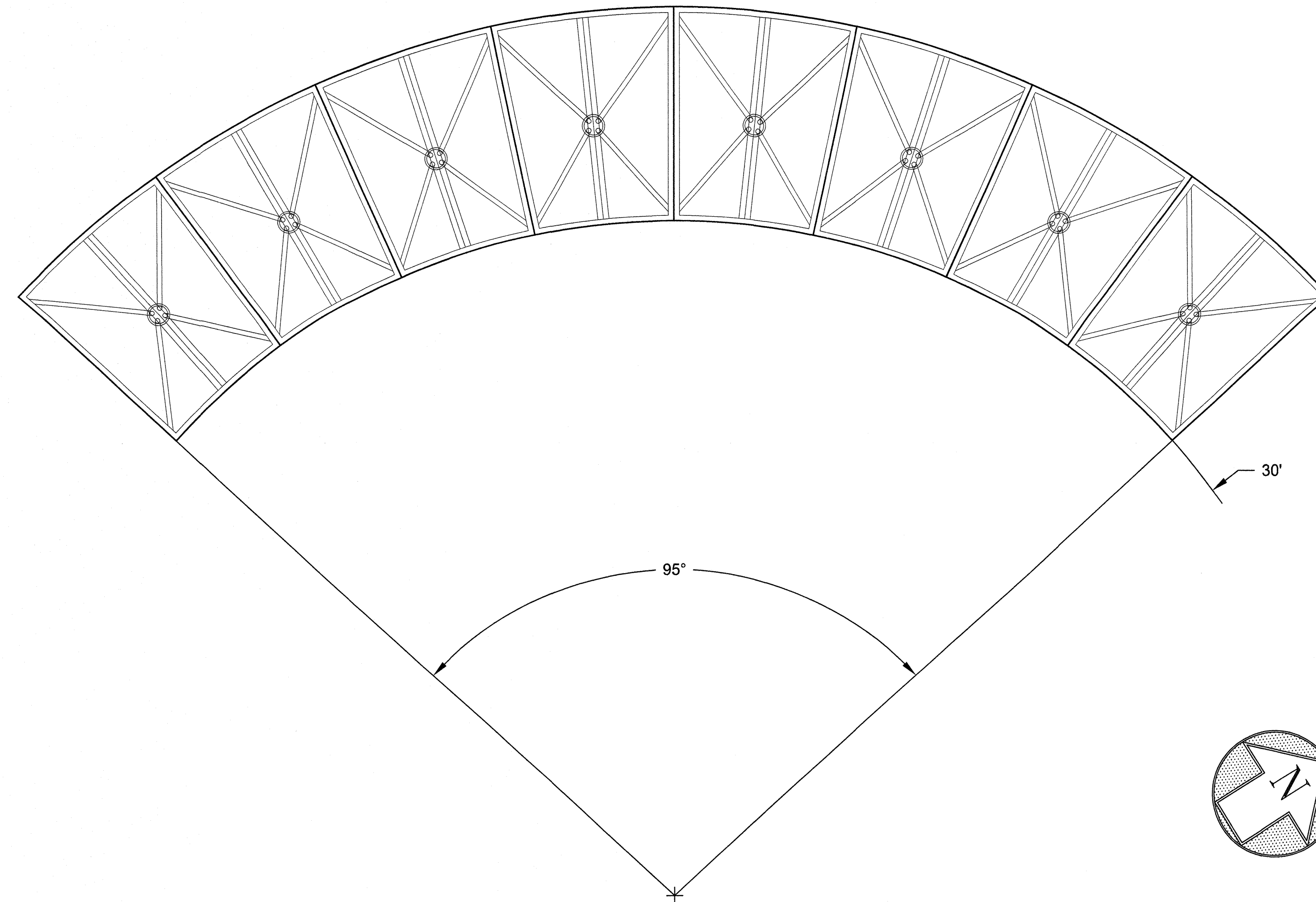
CONSTRUCTION DETAILS

Sheet No. _____

L-8.11

Job No. _____

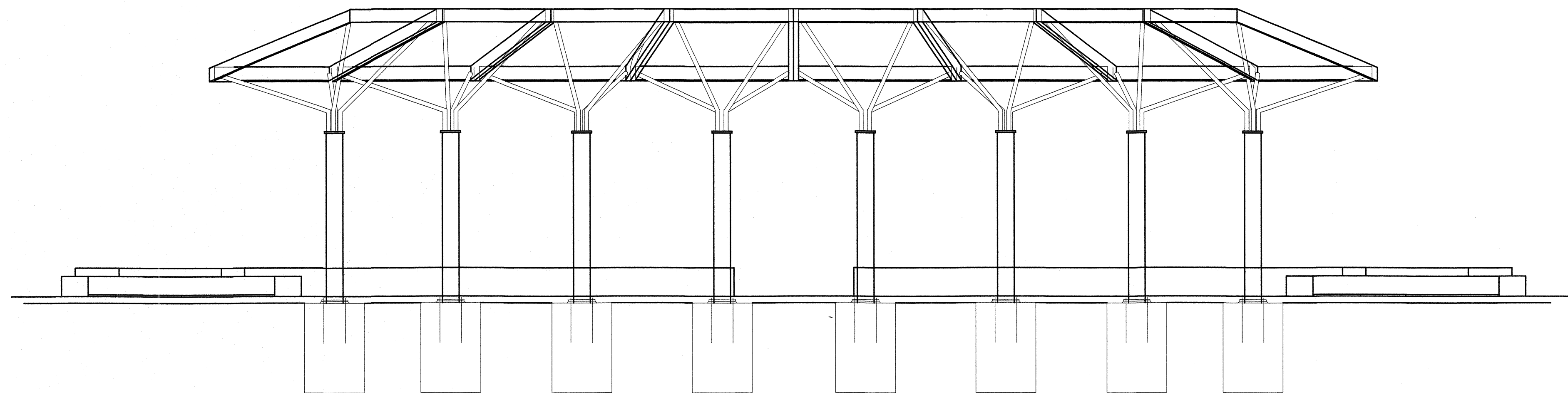
3054V



ARBOR - PLAN

SCALE: NTS

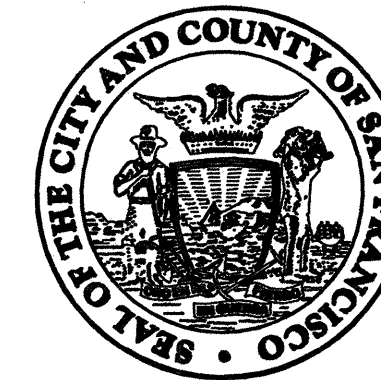
1



ARBOR - ELEVATION

SCALE: NTS

2



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CITY AND COUNTY OF SAN FRANCISCO

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Project _____

17th AND FOLSOM STREET
PARK

2080 FOLSOM STREET
SAN FRANCISCO, CA 94110

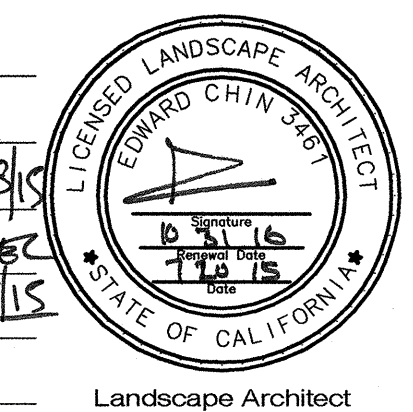
Consultant _____

Issue _____

100% BID SET

No.	Date	Revisions
1		
2		
3		

Drawn EB/KQ
Check [Signature] 8/15
Landscape Arch. EC [Signature] 8/15
Sr. Arch. [Signature] 8/15
Landscape Architect



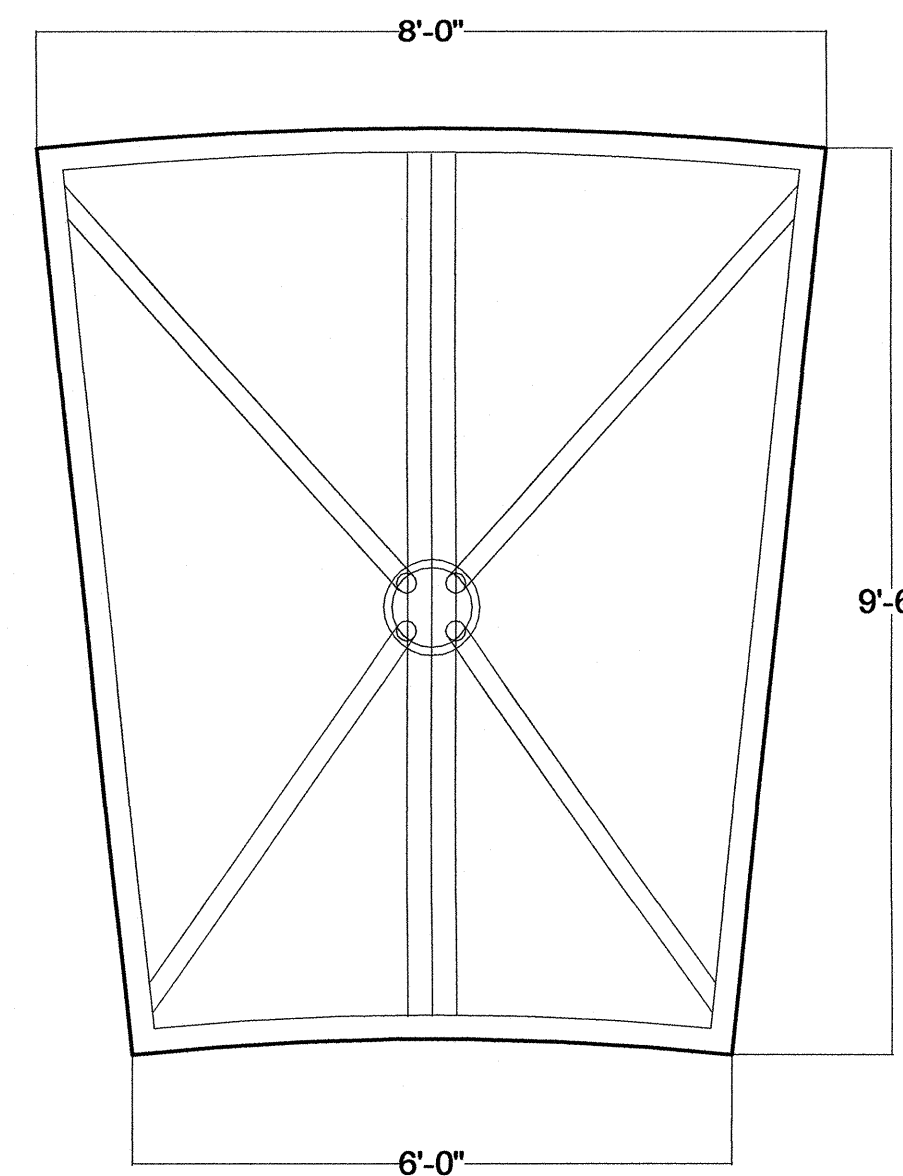
Drawing Title _____

CONSTRUCTION DETAILS

Sheet No. _____

L-8.12

Job No. 3054V



NOTE: (2) 1/2" COLOR PANELS SHALL BE MOUNTED ABOVE EACH BAY. TOTAL OF 16 PANELS.

EACH PANEL SHALL BE SECURED TO FRAME BY 8 POINT SUPPORTS AND ANGLED BRACKET. TOTAL 16 PER BAY.

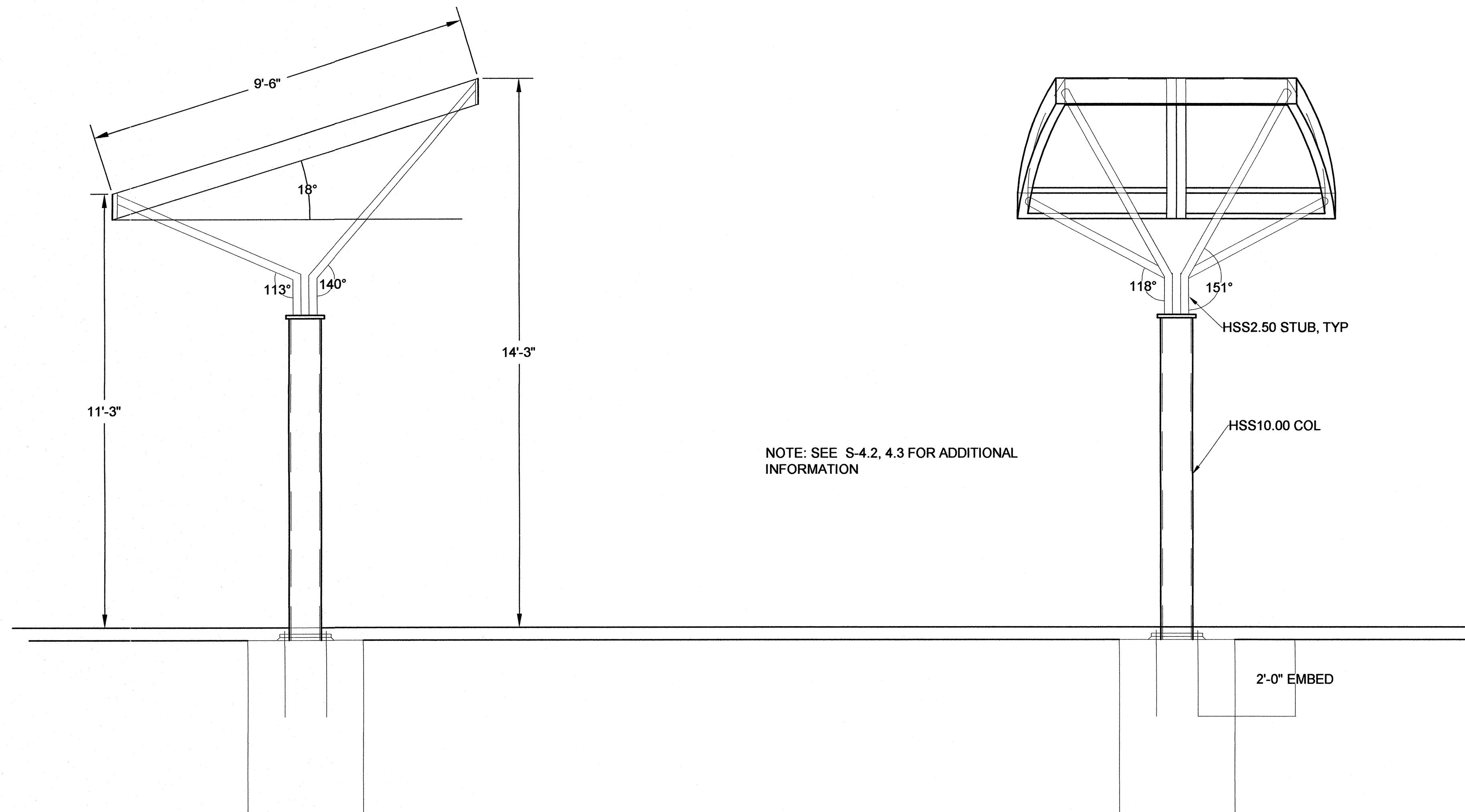
PANELS AND MOUNTING HARDWARE MANUFACTURED BY 3 FORM NO KNOWN EQUAL 801.994.8031

CONTRACTOR SHALL PROVIDE SHOP DRAWING PRIOR TO FABRICATION.

ARBOR PLAN - SINGLE OVERHEAD

SCALE: NTS

1



NOTE: SEE S-4.2, 4.3 FOR ADDITIONAL INFORMATION

ARBOR-SINGLE POST

SCALE: NTS

2



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Project _____

17th AND FOLSOM STREET
PARK

2080 FOLSOM STREET
SAN FRANCISCO, CA 94110

Consultant _____

Issue _____

100% BID SET

07/15

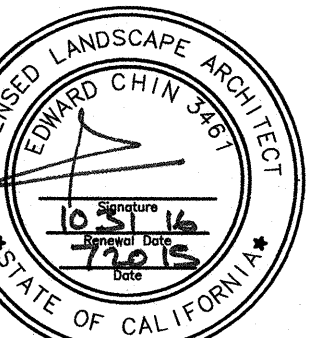
No.	Date	Revisions
1		
2		
3		

Drawn EB/KQ

Check _____

Landscape Arch. EC

Sr. Arch. _____



Landscape Architect

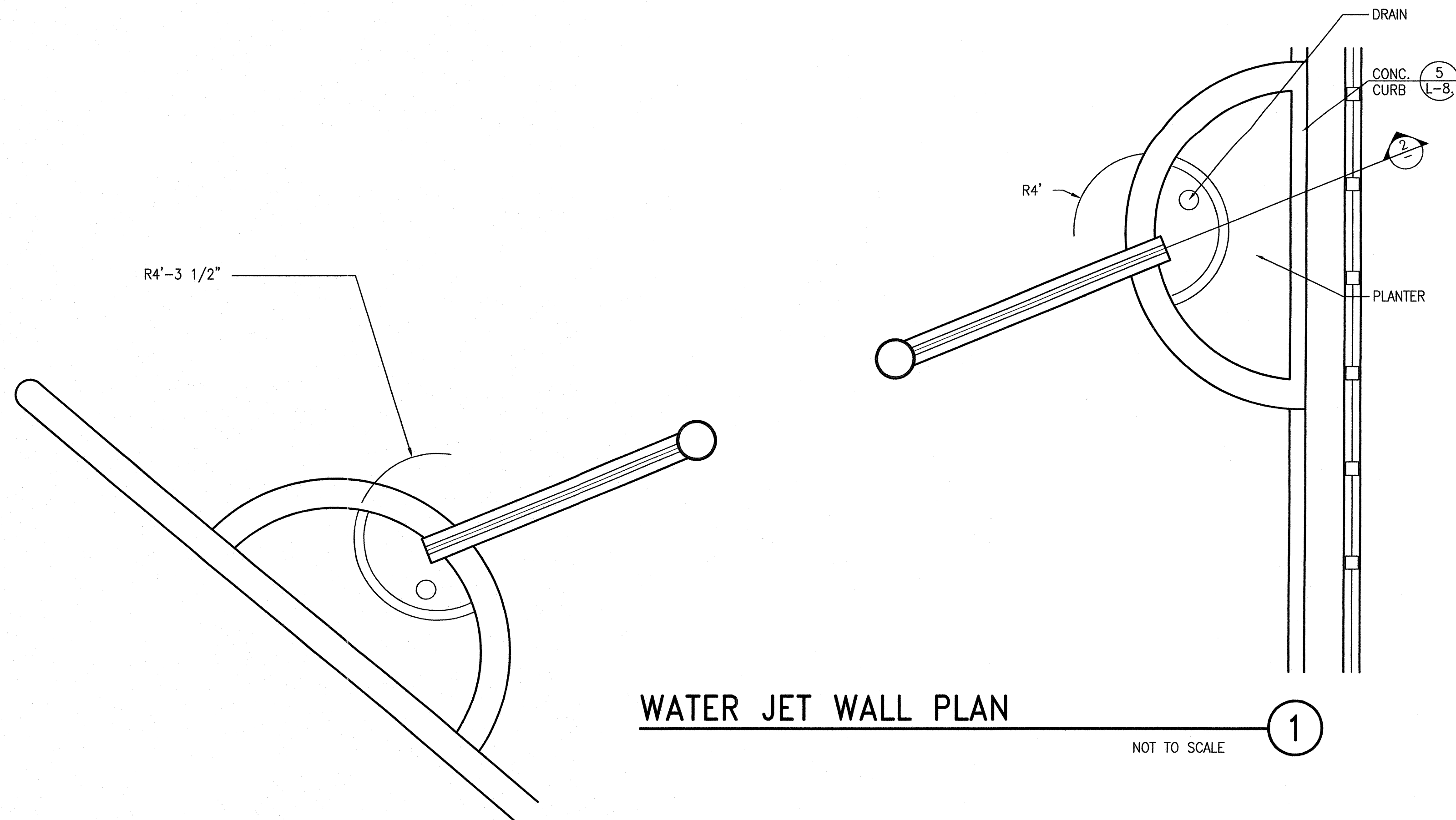
Drawing Title _____

CONSTRUCTION DETAILS

Sheet No. _____

L-8.13

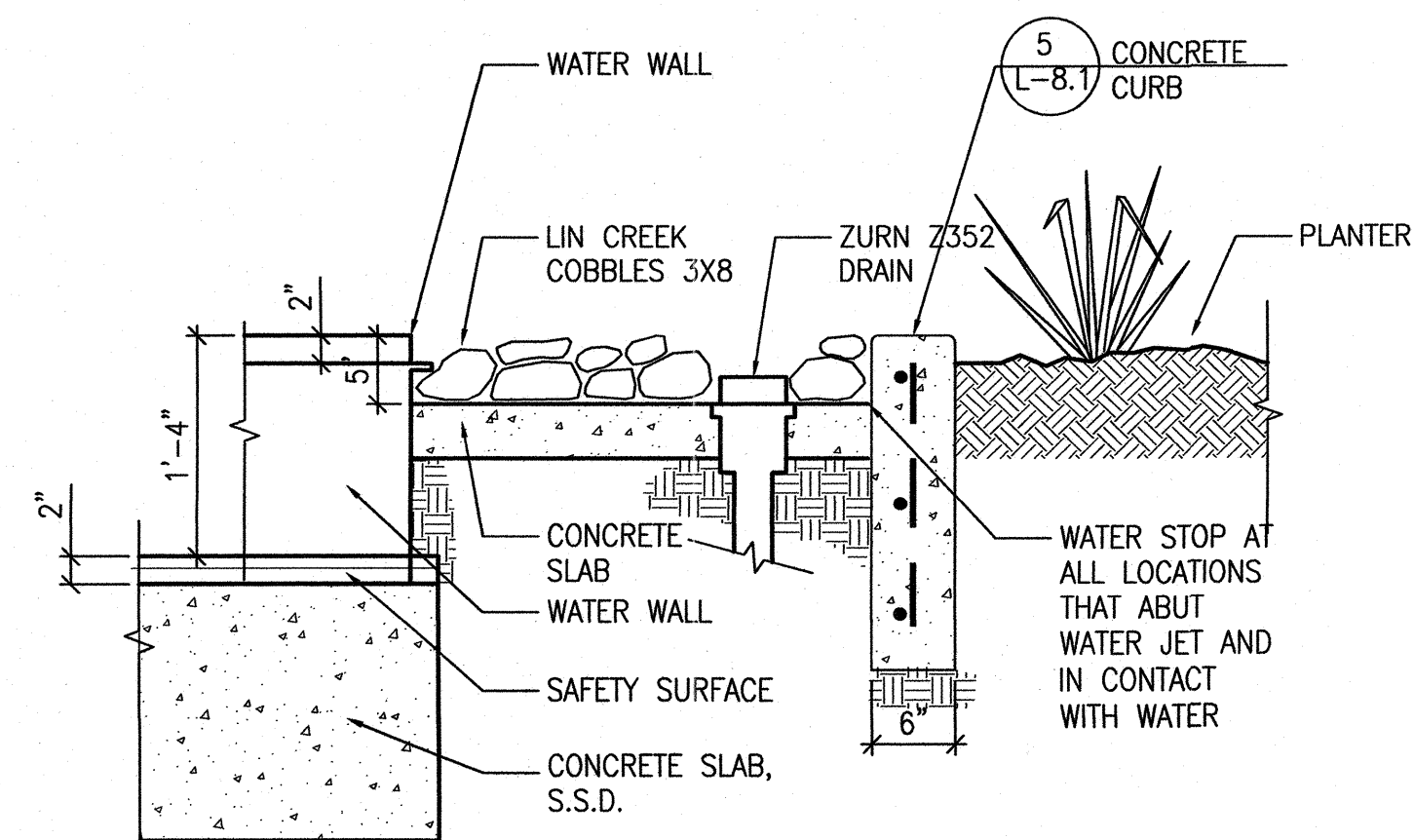
Job No. 3054V



WATER JET WALL PLAN

NOT TO SCALE

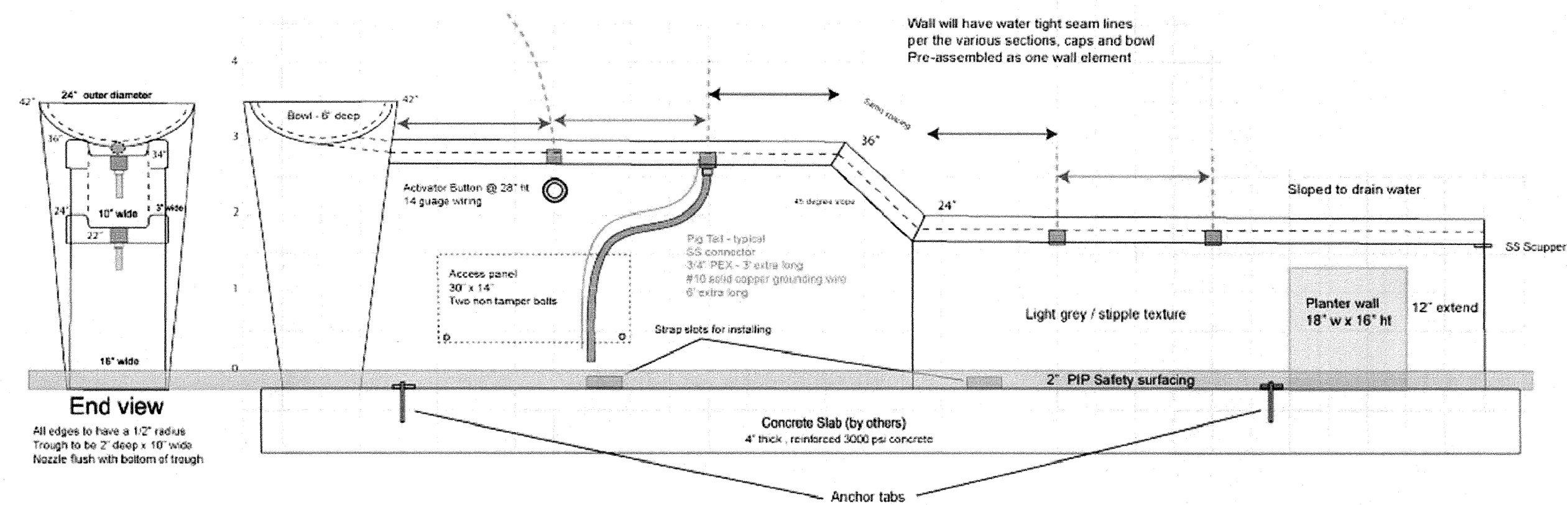
1



WATER JET WALL

SCALE: 1"=1'-0"

2



WATER JET WALL ELEVATION

NOT TO SCALE

3



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CITY AND COUNTY OF SAN FRANCISCO

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Project _____

17th AND FOLSOM STREET
PARK

2080 FOLSOM STREET
SAN FRANCISCO, CA 94110

Consultant _____

Issue _____

100% BID SET

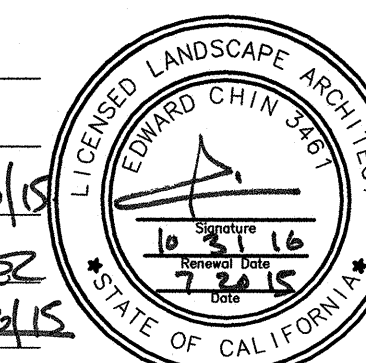
No.	Date	Revisions
1		
2		
3		

Drawn EB/KQ

Check *EB* 8/15

Landscape Arch. EC

Sr. Arch. *EB* 8/15



Landscape Architect

Drawing Title _____

CONSTRUCTION DETAILS

Sheet No. _____

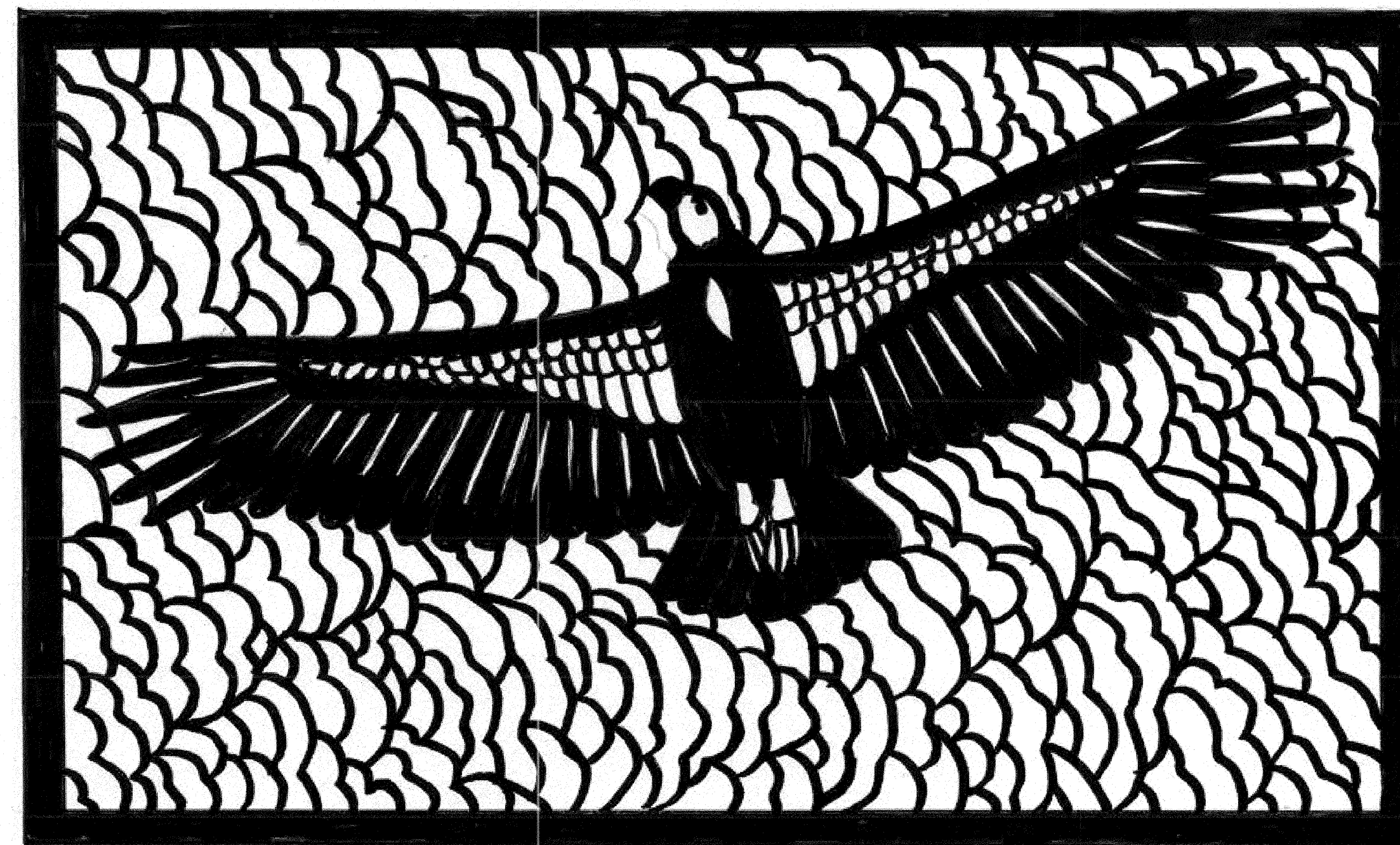
L-8.14

Job No. _____

3054V

"Cycle of Life: California Condor"

Fence section on Folsom Street
17th & Folsom Street Park, San Francisco Arts Commission



Metal Cutout, powder coated, 6 ft. high x 10 ft. wide

Carmen Lomas Garza
315 Harvard Street, San Francisco, CA 94134-1345

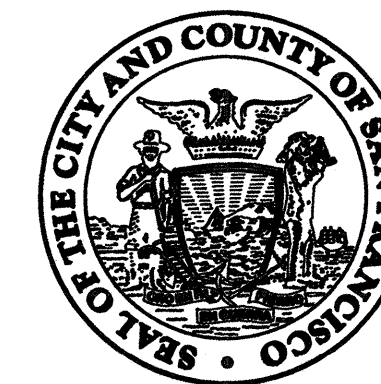
"Cycle of Life: Great Blue Heron"

Fence section on 17th Street
17th & Folsom Street Park, San Francisco Arts Commission



Metal Cutout, powder coated, 6 ft. x 6 ft.

Carmen Lomas Garza
342 Prospect Ave.
San Francisco, CA 94134-1345



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CITY AND COUNTY OF SAN FRANCISCO

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San Francisco, CA (415) 557-4700
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Project _____

17th AND FOLSOM STREET
PARK

2080 FOLSOM STREET
SAN FRANCISCO, CA 94110

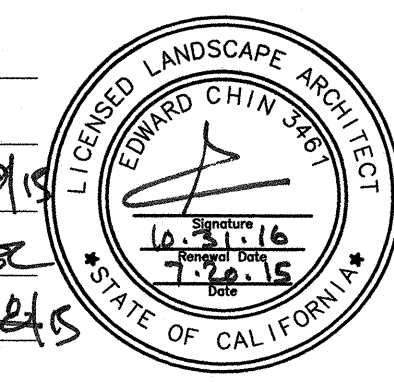
Consultant _____

Issue _____

100% BID SET

No.	Date	Revisions
1	10/7/15	REBID
2		
3		

Drawn EB/KQ
Check [Signature]
Landscape Arch. EC [Signature]
Sr. Arch. [Signature]
Landscape Architect



Drawing Title _____

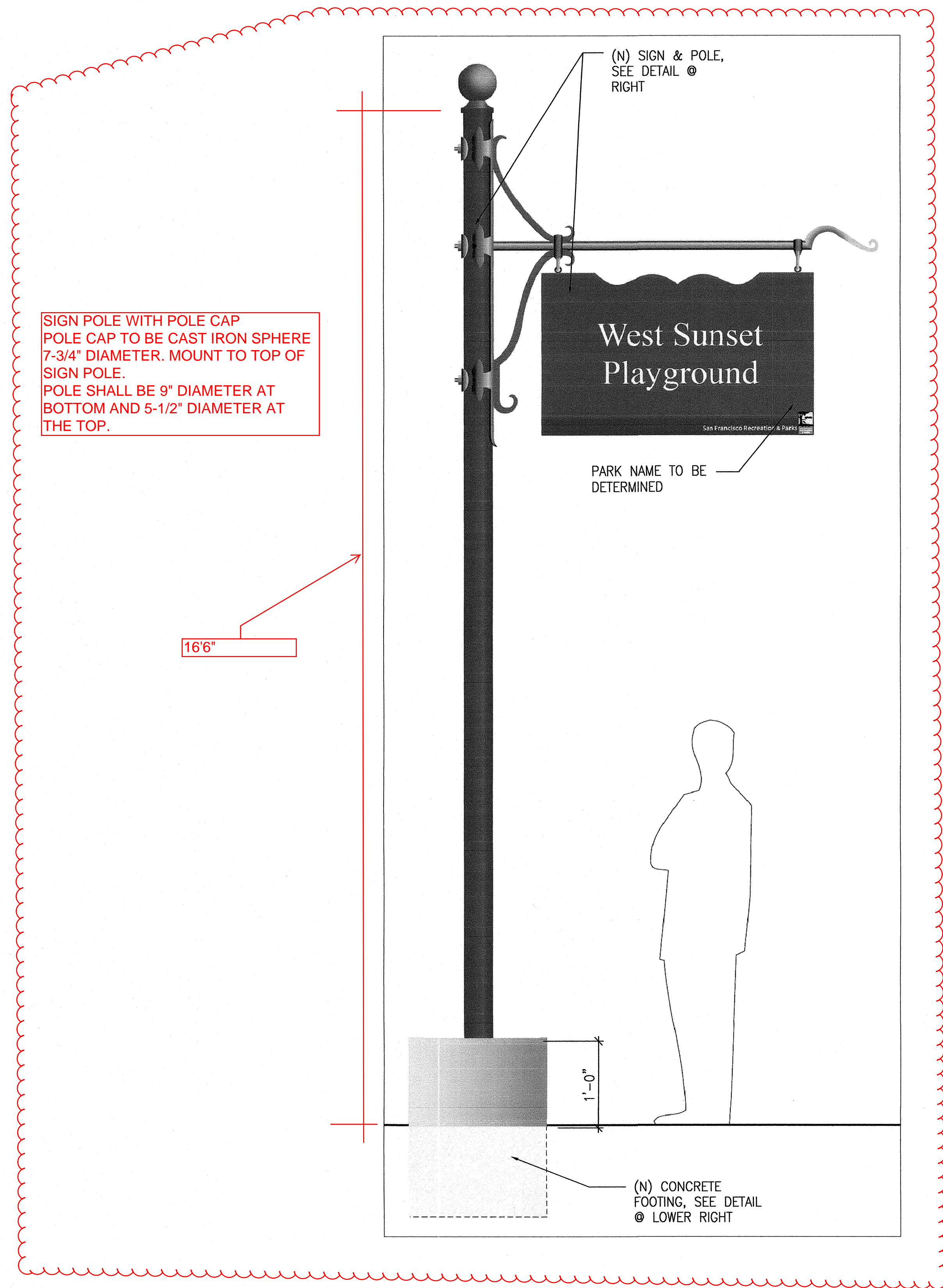
CONSTRUCTION DETAILS

Sheet No. _____

L-8.15

Job No. 3054V

ISSUED FOR REBID R2-NOV. 2015



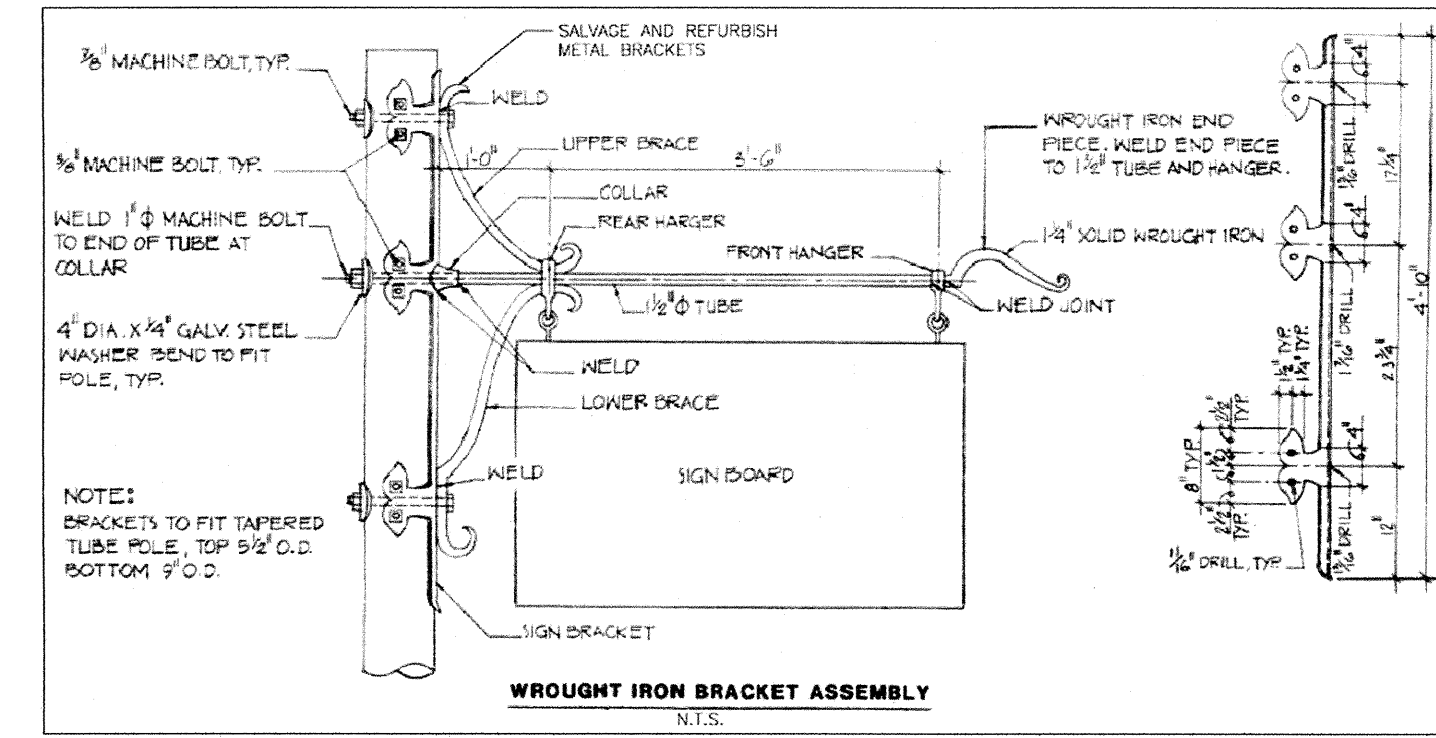
SIGN POLE WITH POLE CAP
POLE CAP TO BE CAST IRON SPHERE
7-3/4" DIAMETER. MOUNT TO TOP OF
SIGN POLE.
POLE SHALL BE 9" DIAMETER AT
BOTTOM AND 5-1/2" DIAMETER AT
THE TOP.

16'

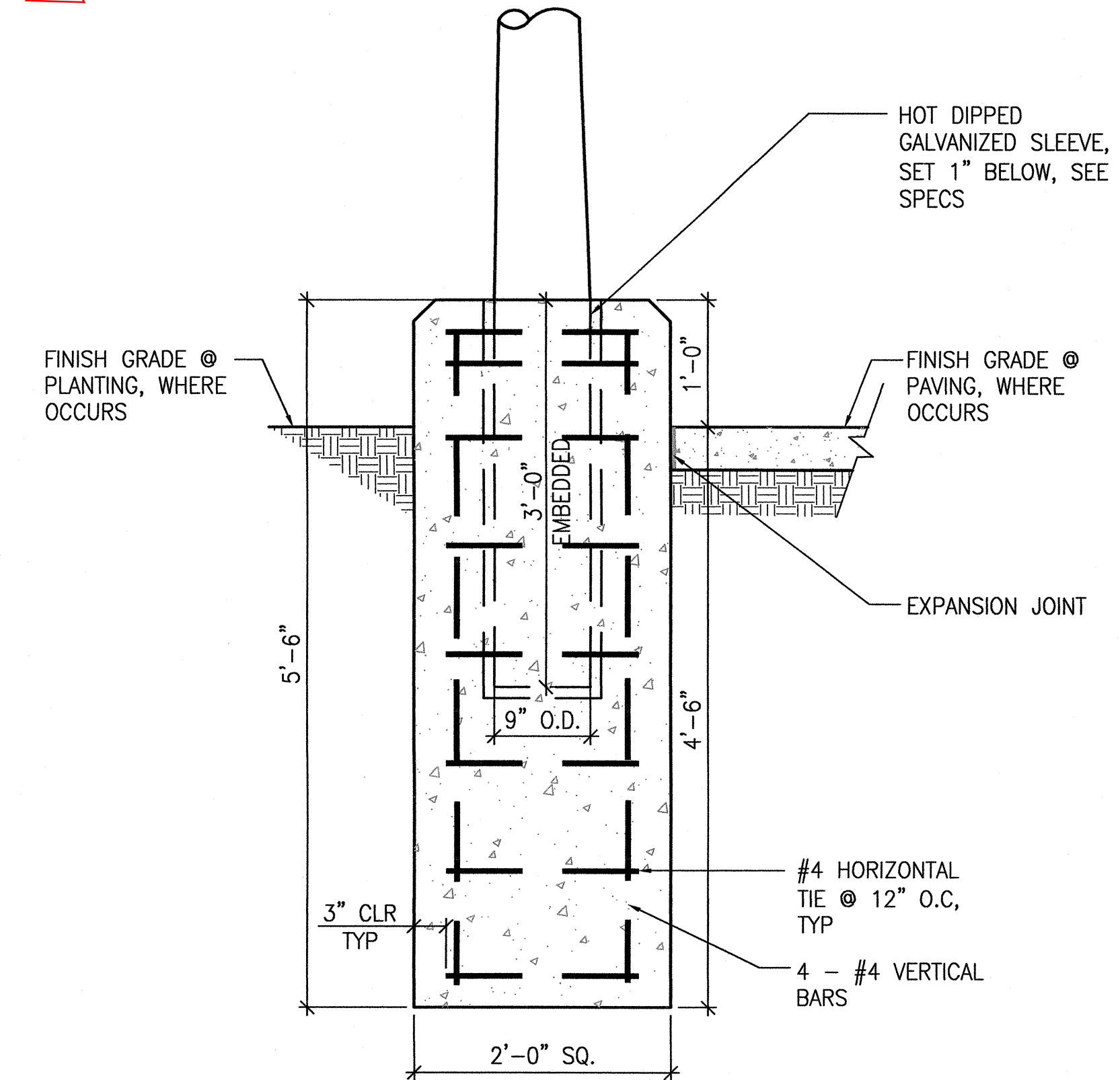
- NOTE:
1. SUBMIT SHOP DRAWINGS FOR CITY REPRESENTATIVE'S APPROVAL
 2. ALL METAL WORK & HARDWARE TO BE HOT-DIPPED GALVANIZED & PAINTED BLACK, SEE SPECS

1 PARK I.D. SIGN

SCALE: NTS



WROUGHT IRON BRACKET ASSEMBLY
NTS



CONCRETE FOOTING
SCALE: 1"=1'-0"



DEPARTMENT OF PUBLIC WORKS
CITY AND COUNTY OF SAN FRANCISCO
30 Van Ness Avenue, San Francisco, CA 94102-6028
SUITE 4100 (415) 557-4700
Fax (415) 557-4701

Project _____

17TH & FOLSOM PARK
3148 17TH STREET
SAN FRANCISCO, CA 94110

Consultant _____

INFRASTRUCTURE
DESIGN & CONSTRUCTION

DEPARTMENT OF PUBLIC WORKS
CITY AND COUNTY OF SAN FRANCISCO
1680 Mission Street, San Francisco, CA 94102-6028
3rd Floor (415) 554-8267
Fax (415) 554-8243

Issue _____

Approvals _____

SECTION MANAGER <i>Paul Flores</i> 6/10/15	DRAWN AD	JUNE 2015
DEPUTY DIVISION MANAGER <i>Paul Flores</i> 7/10/15	DESIGNED AD	JUNE 2015
DIVISION MANAGER <i>William DeLeon</i> 7/10/15	CHECKED EK	JUNE 2015

NO.	DATE	DESCRIPTION	BY	APP'D

Stamp _____



Drawing Title Shotwell Street
Curb and Gutter

Sheet No. C-1.0

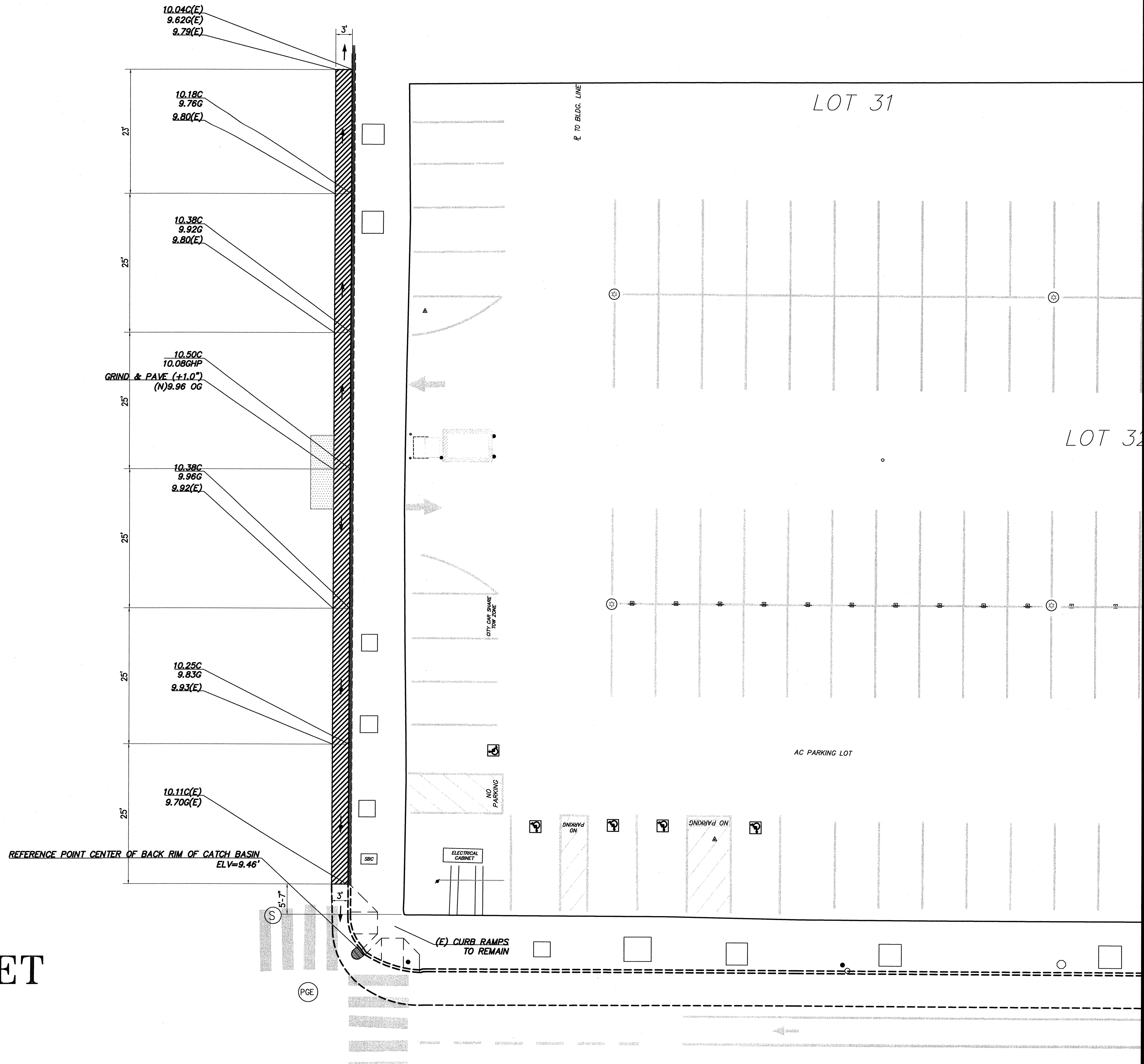
Scale 1:10
Job No. 3054V

17TH STREET

SHOTWELL STREET

NOTE: SEE SF DPW STANDARD
PLAN L-24, 456 CH. 3
FOR COMBINED CURB
AND GUTTER

REFERENCE POINT CENTER OF BACK RIM OF CATCH BASIN
ELV=9.46'



PROJECT DESCRIPTION

1. THE STRUCTURAL WORK SHOWN ON THESE DRAWINGS COMPRISES:
 - a. CONSTRUCTION OF ARBOR (TRELIS) STRUCTURE.
 - b. CONSTRUCTION OF SITE STRUCTURES, INCLUDING RETAINING WALLS AND FOOTINGS FOR PLAY FEATURES, ART PANELS, GATES, FENCES, AND LIGHT POLES.
 - c. CONSTRUCTION OF CONCRETE PAD FOR GREEN HOUSE AND WATER JET WALLS.

GENERAL

1. THESE GENERAL NOTES APPLY THROUGHOUT ALL STRUCTURAL DRAWINGS EXCEPT WHERE SPECIFICALLY SHOWN BY NOTES ON DRAWINGS AND/OR DETAILS.
2. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS PRIOR TO THE START OF CONSTRUCTION OR FABRICATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REVIEW AND COORDINATION OF ALL DRAWINGS AND SPECIFICATIONS PRIOR TO THE START OF CONSTRUCTION OR FABRICATION. ANY DISCREPANCIES, INCONSISTENCIES, OR UNSOUND CONDITIONS SHALL BE REPORTED TO THE ENGINEER FOR RESOLUTION PRIOR TO THE START OF ANY CONSTRUCTION OR FABRICATION SO THAT A CLARIFICATION CAN BE ISSUED.
3. DIMENSIONS IN THE STRUCTURAL DRAWINGS ARE AS NOTED. DO NOT USE DIMENSIONS SCALED FROM THE STRUCTURAL DRAWINGS.
4. ALL DRAWINGS ARE CONSIDERED TO BE A PART OF THE CONTRACT DOCUMENTS. ANY WORK PERFORMED IN CONFLICT WITH THE CONTRACT DOCUMENTS OR ANY CODE REQUIREMENTS SHALL BE CORRECTED BY THE CONTRACTOR AT THEIR OWN EXPENSE AND AT NO EXPENSE TO THE CITY AND COUNTY OF SAN FRANCISCO.
5. ALL TYPICAL DETAILS AND NOTES SHOWN ON DRAWINGS SHALL APPLY UNLESS OTHERWISE NOTED. TYPICAL DETAILS MAY NOT NECESSARILY BE INDICATED ON THE PLANS, BUT SHALL STILL APPLY AS SHOWN OR DESCRIBED IN THE DETAILS. WHERE TYPICAL DETAILS ARE NOTED ON THE DRAWINGS, THE SPECIFIED TYPICAL DETAIL SHALL BE USED. WHERE NO DETAILS ARE NOTED, CONSTRUCTION SHALL BE AS SHOWN FOR SIMILAR WORK. THE CONTRACTOR SHALL SUBMIT ALL PROPOSED ALTERNATE TYPICAL DETAILS TO THOSE PROVIDED WITH RELATED CALCULATIONS TO THE ENGINEER FOR APPROVAL PRIOR TO SHOP DRAWING PRODUCTION AND FIELD USE.
6. REFER TO OTHER DISCIPLINES' DRAWINGS AND COORDINATE INFORMATION RELATED TO THOSE DISCIPLINES' SYSTEMS FOR ITEMS SUCH AS:
 - a. FINISH GRADE ELEVATIONS, CHANGES IN ELEVATION, SLOPES, DRAINS, CURBS, PADS, INSERTS, ETC.
 - b. WATERPROOFING AND WATERSTOPS.
 - c. SIZE, LOCATION, ANCHORAGE, AND BRACING FOR MECHANICAL, ELECTRICAL, AND PLUMBING EQUIPMENT.
7. FOR OPENINGS LARGER THAN 6" THAT ARE REQUIRED BUT NOT SHOWN ON THE STRUCTURAL DRAWINGS, THE CONTRACTOR SHALL SUBMIT DRAWINGS INDICATING OPENING LOCATIONS TO THE ENGINEER FOR APPROVAL PRIOR TO CONSTRUCTION.
8. THE CONTRACT STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE MEANS AND/OR METHODS OF CONSTRUCTION. ALTHOUGH THE NEED FOR SHORING MAY SOMETIMES BE INDICATED IN THE STRUCTURAL DRAWINGS, IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DESIGN, PROVIDE, AND MAINTAIN TEMPORARY BRACING, SHORING, CUYING, OR OTHER TEMPORARY SUPPORT AS REQUIRED FOR THE PROTECTION OF LIFE AND PROPERTY DURING CONSTRUCTION.
9. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY PROTECTION OF ADJACENT STRUCTURES DURING CONSTRUCTION. THE CONTRACTOR SHALL BEAR ALL EXPENSE FOR REPAIR OR REPLACEMENT.
10. THE USE OF NEW CONSTRUCTION FOR TEMPORARY SUPPORT OR STORAGE OF CONSTRUCTION EQUIPMENT OR MATERIALS IS RESTRICTED TO THE DESIGN CAPACITY OF THE NEW CONSTRUCTION AT THE TIME IT IS TO BE USED. EQUIPMENT OR MATERIALS SHALL BE PLACED SO AS NOT TO EXCEED THE CAPACITY OF INDIVIDUAL ELEMENTS. PROVIDE ADEQUATE, ENGINEERED SHORING AND/OR BRACING WHERE DESIGN CAPACITY IS NOT SUFFICIENT.
11. SPECIFICATIONS AND DETAILING OF ALL WATERPROOFING AND DRAINAGE ITEMS, ALTHOUGH SOMETIMES INDICATED ON THE STRUCTURAL DRAWINGS FOR GENERAL INFORMATION PURPOSES ONLY, ARE SOLELY THE DESIGN RESPONSIBILITY OF OTHERS.
12. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL EXISTING PIPES, DUCTS, AND UTILITIES, WHETHER SHOWN HEREIN OR NOT, AND TO PROTECT THEM FROM DAMAGE. THE CONTRACTOR SHALL BEAR ALL EXPENSE FOR REPAIR OR REPLACEMENT.
13. ALL STRUCTURAL MEMBERS AND ELEMENTS SHOWN ON THE STRUCTURAL DRAWINGS ARE NEW UNLESS NOTED (E) FOR EXISTING CONDITIONS.

STRUCTURAL DESIGN CRITERIA

1. WIND DESIGN CRITERIA:

ANALYTICAL METHOD:	SIMPLIFIED METHOD
BASIC WIND SPEED:	100 MPH
EXPOSURE:	B
2. SEISMIC DESIGN CRITERIA:

PEAK GROUND ACCELERATION :	S _s = 1.50G, S ₁ = 0.652G
SITE CLASSIFICATION:	D
SITE COEFFICIENTS:	F _a = 1.0, F _v = 1.5
MAXIMUM SPECTRAL ACCELERATION:	S _{ms} = 1.50G, S _{m1} = 0.977G
DESIGN SPECTRAL ACCELERATION:	S _{ds} = 1.00G, S _{d1} = 0.652G
OCCUPANCY CATEGORY:	I
IMPORTANCE FACTOR:	I = 1.00
SEISMIC DESIGN CATEGORY:	D

BASIS OF DESIGN

1. ALL NEW WORK SHALL CONFORM TO THE 2013 SAN FRANCISCO BUILDING CODE (SFBC) WHICH COMPRISES THE 2013 CALIFORNIA BUILDING CODE (CBC) AND 2013 SAN FRANCISCO AMENDMENTS.
2. THE PUBLICATIONS LISTED BELOW ARE THE GOVERNING CODES AND STANDARDS REFERENCE BY THE CBC AND ARE REFERENCED HEREIN BY THEIR BASIC DESIGNATION. IN THE CASE OF CONFLICTING REQUIREMENTS, THE SFBC SHALL GOVERN.

ACI 318-11	AMERICAN CONCRETE INSTITUTE, "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE", 2011 EDITION
AISI	AMERICAN IRON AND STEEL INSTITUTE, "NORTH AMERICAN SPECIFICATIONS FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS", LATEST EDITION
ASCE 7-10	AMERICAN SOCIETY OF CIVIL ENGINEERS, "MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES", 2010 EDITION
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
AWS D1.1	AMERICAN WELDING SOCIETY, "STRUCTURAL WELDING CODE - STEEL", 2010 EDITION
AWS D1.3	AMERICAN WELDING SOCIETY, "STRUCTURAL WELDING CODE - SHEET STEEL", 2008 EDITION
AWS D1.4	AMERICAN WELDING SOCIETY, "STRUCTURAL WELDING CODE - REINFORCING STEEL", 2011 EDITION
AWS D1.6	AMERICAN WELDING SOCIETY, "STRUCTURAL WELDING CODE - STAINLESS STEEL", 2007 EDITION
AWS D1.8	AMERICAN WELDING SOCIETY, "STRUCTURAL WELDING CODE - SEISMIC SUPPLEMENT", 2009 EDITION

FOUNDATIONS

1. THE FOUNDATION DESIGN IS BASED UPON THE PROJECT GEOTECHNICAL MEMORANDUM "17TH AND FOLSOM STREET PARK", PREPARED BY SAN FRANCISCO PUBLIC WORKS, INFRASTRUCTURE DESIGN AND CONSTRUCTION, DATED MARCH 27, 2015.
2. DESIGN SOIL PARAMETERS:

ALLOWABLE BEARING PRESSURE:	1,500 PSF FOR DEAD LOADS + LIVE LOADS 2,000 PSF FOR DEAD LOADS + LIVE LOADS + LATERAL LOADS
ACTIVE PRESSURE:	35 PCF
SEISMIC PRESSURE:	13H PSF, WHERE H IS THE HEIGHT OF RETAINED SOIL IN FEET
COEFFICIENT OF FRICTION:	0.35 BETWEEN CONCRETE AND SOIL
PASSIVE EARTH PRESSURE:	250 PCF EQUIVALENT FLUID PRESSURE (IGNORE UPPER 12 INCHES UNLESS COVERED BY CONCRETE SLAB)
3. REFER TO THE GEOTECHNICAL REPORT FOR ADDITIONAL INFORMATION AND RECOMMENDATIONS NOT NOTED HERE.
4. THE GEOTECHNICAL ENGINEER SHALL VERIFY THE CONDITIONS AND/OR ADEQUACY OF ALL SUBGRADES, ENGINEERED FILLS, AND BACKFILLS BEFORE PLACEMENT OF FILLS, FOOTINGS, SLABS, OR OTHER CONSTRUCTION DEPENDENT UPON THEM.
5. EXCAVATIONS FOR FOOTINGS SHALL BE OBSERVED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACING REINFORCING AND CONCRETE. THE CONTRACTOR SHALL NOTIFY THE GEOTECHNICAL ENGINEER WHEN THE EXCAVATIONS ARE READY FOR OBSERVATION BY THE GEOTECHNICAL ENGINEER.
6. SIDES OF FOUNDATIONS SHOWN STRAIGHT ARE FORMED. IF SITE CONDITIONS ALLOW AND GEOTECHNICAL ENGINEER CONCURS, SIDES OF FOUNDATION MAY BE FORMED OR NOT FORMED AT CONTRACTOR'S OPTION.
7. CONTRACTOR SHALL PROVIDE FOR DE-WATERING IF WATER IS PRESENT IN THE EXCAVATION. DE-WATERING PLANS SHALL BE SUBMITTED FOR REVIEW. DE-WATERING PLANS MAY INCLUDE A MONITORING PROGRAM TO EVALUATE SETTLEMENT IN THE ADJACENT IMPROVEMENTS. SEE GEOTECHNICAL REPORT.
8. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE DESIGN AND INSTALLATION OF APPROPRIATE, ADEQUATE SHORING AND BRACING OF FOUNDATION EXCAVATION, AND UNDERPINNING OF EXISTING STRUCTURES TO ENSURE PROTECTION OF LIFE AND ADJACENT PROPERTY, STRUCTURES, STREETS, AND UTILITIES IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL ORDINANCES. UNDERPINNING, SHORING, LAGGING, ETC., SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF CALIFORNIA AND SHALL BE CONSTRUCTED UNDER SEPARATE PERMIT. SHORING PLAN TO BE SUBMITTED TO THE GEOTECHNICAL ENGINEER AND THE STRUCTURAL ENGINEER FOR REVIEW TO ENSURE CONFORMANCE WITH DESIGN DOCUMENTS.
9. THE CONTRACTOR SHALL NOT UNDERMINE EXISTING FOUNDATIONS AND STRUCTURES DURING EXCAVATION. IF UNDERMINING OCCURS, THE CONTRACTOR SHALL PROVIDE CORRECTIVE MEASURES FOR ENGINEER TO REVIEW AND APPROVE AT CONTRACTOR'S EXPENSE.
10. INSTALLATION OF CAST-IN DRILLED HOLE PILES (CIDH) SHALL BE PERFORMED WHILE UNDER THE OBSERVATION OF THE GEOTECHNICAL ENGINEER OF RECORD.

CONCRETE

1. MIXING, BATCHING, TRANSPORTING, PLACING, AND CURING OF ALL CONCRETE AND SPECIFICATION OF CONCRETE MATERIALS, SHALL CONFORM TO ACI 301 "SPECIFICATION FOR STRUCTURAL CONCRETE", EXCEPT AS NOTED BELOW.
2. CONCRETE SHALL BE READY-MIXED CONFORMING TO ASTM C94. CEMENT SHALL BE PORTLAND CEMENT TYPE II, CONFORMING TO ASTM C150. ALL CONCRETE USED IN SUSPENDED SLABS AND SLABS-ON-GRADE SHALL BE DESIGNED WITH A SHRINKAGE LIMITATION OF 0.04% AFTER 28 DAYS OF DRYING.
3. CONCRETE MIX DESIGNS SHALL BE SUBMITTED TO THE ENGINEER AND APPROVED PRIOR TO USE. SELECTION OF CONCRETE MIX PROPORTIONS SHALL BE IN ACCORDANCE WITH ACI 301. MIX PROPORTIONS SHALL MEET OR EXCEED THE REQUIREMENTS LISTED BELOW FOR THE LOCATIONS NOTED. THE MORE STRINGENT OF THE REQUIREMENTS LISTED SHALL GOVERN.
4. SUPPLEMENTARY CEMENTITIOUS MATERIALS (SCM), SUCH AS SLAG, FLY ASH, SILICA FUME, AND CALCINED CLAY, AS A PERCENTAGE OF TOTAL WEIGHT OF CEMENTITIOUS MATERIAL SHALL BE A MINIMUM OF 25 PERCENT AND A MAXIMUM OF 50 PERCENT. COAL FLY ASH, AS A PERCENTAGE OF TOTAL WEIGHT OF CEMENTITIOUS MATERIAL, SHALL BE A MAXIMUM OF 20 PERCENT. COAL FLY ASH SHALL BE CLASS F, MEETING ASTM C618 REQUIREMENTS. FINELY GROUND GRANULATED BLAST-FURNACE SLAG SHALL CONFORM TO ASTM C989. WATER/CEMENT RATIO SHALL BE BASED ON TOTAL CEMENTITIOUS MATERIAL, INCLUDING SUPPLEMENTARY CEMENTITIOUS MATERIALS.
5. PROPORTIONS OF AGGREGATE TO CEMENTITIOUS PASTE SHALL BE SUCH AS TO PRODUCE A DENSE, WORKABLE MIX THAT CAN BE PLACED WITHOUT SEGREGATION OR EXCESS FREE SURFACE WATER. SUPERPLASTICIZERS MAY BE USED TO IMPROVE WORKABILITY IN THIN OR CONGESTED SECTIONS.
6. CONCRETE SHALL HAVE THE FOLLOWING CHARACTERISTICS:

LOCATION	STRENGTH, fc' MIN	TEST AGE	MAXIMUM		
			AGGREGATE SIZE	WATER/CEMENT RATIO	MAX SLUMP
FOOTINGS	4,000 PSI	28 DAYS	¾"	0.45	4"
SLABS-ON-GRADE	4,000 PSI	28 DAYS	¾"	0.45	4"
CIDH PILES	4,000 PSI	28 DAYS	¾"	0.45	3 ½"
CURBS	3,000 PSI	28 DAYS	¾"	0.45	3 ½"
7. PIPES OTHER THAN ELECTRICAL CONDUITS SHALL NOT BE EMBEDDED IN STRUCTURAL CONCRETE EXCEPT WHERE SPECIFICALLY APPROVED BY THE ENGINEER. OUTSIDE DIAMETER OF CONDUIT EMBEDDED IN CONCRETE SHALL NOT EXCEED 1/6 TIMES THE MEMBER THICKNESS, OR 1 ¼", WHICHEVER IS LESS, WITHOUT APPROVAL OF THE ENGINEER. MINIMUM CLEAR DISTANCE BETWEEN CONDUITS OR REBAR SHALL BE 3 TIMES CONDUIT-DIAMETER (LARGER CONDUIT) OR 1 INCH, WHICHEVER IS GREATER. CONDUIT EMBEDDED IN SLABS SHALL BE EMBEDDED IN ONE LAYER AT MID-DEPTH OF SLABS. CONDUITS SHALL BE FIRMLY CHAIRED AND TIED TO PREVENT DISPLACEMENT DURING CONCRETE PLACEMENT. CONDUIT CAN BE TIED TO REBAR WHEN ORIENTED PERPENDICULAR TO THEM, PROVIDE THE LOCATION OF THE REBAR IS NOT AFFECTED BY THE CONDUIT. PLACE #3 AT 12 INCHES ADDED REINFORCEMENT PERPENDICULAR TO CONDUITS WHERE REQUIRED TO SUPPORT CONDUIT. CONDUITS WITHOUT CLEARANCE NOTED ABOVE SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW PRIOR TO INSTALLATION. ADDED TRIM REINFORCEMENT WILL BE REQUIRED WHERE CLEARANCES CANNOT BE MET, SUCH AS ELECTRICAL PANEL ROOMS.
8. SLEEVES, WHEN EMBEDDED IN CONCRETE, SHALL BE SPACED WITH ONE SLEEVE-DIAMETER (LARGER SLEEVE) CLEAR BETWEEN ADJACENT SLEEVES OR REBAR, OR 1 INCH, WHICHEVER IS GREATER. SLEEVES WITHOUT CLEARANCE NOTED ABOVE SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW PRIOR TO INSTALLATION. ADDED TRIM REINFORCEMENT WILL BE REQUIRED WHERE CLEARANCES CANNOT BE MET, SUCH AS ELECTRICAL PANEL ROOMS.
9. ALUMINUM PIPES, CONDUITS, AND SLEEVES SHALL NOT BE EMBEDDED IN STRUCTURAL CONCRETE.
10. THE CONTRACTOR SHALL INFORM THE ENGINEER AT LEAST 3 DAYS PRIOR TO POURING ANY STRUCTURAL CONCRETE SO THAT THE ENGINEER MAY HAVE THE OPPORTUNITY OF REVIEWING THE WORK PRIOR TO CONCRETE PLACEMENT.
11. ALL CONCRETE EXCEPT SLABS-ON-GRADE 6" THICK OR LESS SHALL BE MECHANICALLY VIBRATED AS TO COMPLETELY FILL THE FORM WITHOUT CAUSING UNDUE SEGREGATION.
12. FOR EACH CLASS OF CONCRETE, FOUR TEST CYLINDERS FROM EACH 150 CUBIC YARDS OR 5,000 SQUARE FEET OF SURFACE AREA FOR SLABS OR WALLS, PLACED IN ANY ONE DAY, SHALL BE SECURED AND TESTED BY BUILDING DESIGN & CONSTRUCTION TESTING LAB - ONE TO BE TESTED AT 7 DAYS, TWO AT 28 DAYS, AND THE FOURTH HELD IN RESERVE.
13. THE CONTRACTOR SHALL REMOVE AND REPLACE ANY CONCRETE WHICH FAILS TO ATTAIN SPECIFIED STRENGTH IN 28 DAYS IF SO DIRECTED BY THE ENGINEER. ANY DEFECTS IN THE HARDENED CONCRETE SHALL BE SATISFACTORILY REPAIRED OR THE HARDENED CONCRETE SHALL BE REPLACED.
14. PROJECTING CORNERS SHALL BE FORMED WITH A ¾" CHAMFER UNLESS OTHERWISE NOTED ON THE DRAWINGS.
15. ALL CONSTRUCTION JOINTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH ACI 318 AND THE TYPICAL CONSTRUCTION JOINT DETAILS SHOWN ON THE STRUCTURAL DRAWINGS. ALL SURFACES OF CONSTRUCTION JOINTS SHALL BE CLEANED TO REMOVE DUST, CHIPS, OR OTHER FOREIGN MATTER PRIOR TO PLACING THE ADJACENT CONCRETE. THE CONTRACTOR SHALL SUBMIT THE PROPOSED LOCATIONS OF CONSTRUCTION JOINTS TO THE ENGINEER FOR REVIEW PRIOR TO START OF CONSTRUCTION.
16. WHERE NEW CONCRETE IS TO BE CAST AGAINST EXISTING CONCRETE, THE EXISTING CONCRETE SURFACE SHALL BE ROUGHENED TO A MINIMUM OF ¼" AMPLITUDE BY SANDBLASTING OR BUSH HAMMERING. THE EXISTING SURFACE SHALL BE CLEANED AND LAITANCE REMOVED. APPLY "SIKADUR 32, HI-MOD" EPOXY BONDING ADHESIVE, AS MANUFACTURED BY SIKA CORPORATION, LYNDHURST, NEW JERSEY, OR APPROVED EQUAL, TO EXISTING CONCRETE SURFACE PRIOR TO PLACEMENT OF NEW CONCRETE.

BUILDING DESIGN & CONSTRUCTION



DEPARTMENT OF PUBLIC WORKS
CITY AND COUNTY OF SAN FRANCISCO

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Project _____

17th & FOLSOM STREET PARK

2080 FOLSOM STREET
SAN FRANCISCO, CA 94110

Consultant _____

INFRASTRUCTURE DESIGN & CONSTRUCTION

DEPARTMENT OF PUBLIC WORKS
CITY AND COUNTY OF SAN FRANCISCO

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Issue _____

100% BID SET

Approvals _____ 07/15

NO.	DATE	DESCRIPTION	BY	APPR'D

Stamp _____



Drawing Title _____

GENERAL NOTES - 1

Sheet No. _____

S-1.0

Scale NONE

Job No. 3054V



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Issue _____

100% BID SET

Approvals _____ 07/15

SECTION MANAGER	DATE	DESIGNED	DATE
Se. for Ray Lui	7/15/15	WL	JUL 2015
SENIOR DESIGN MANAGER		WL	JUL 2015
DESIGNED	7/15/15	SC	JUL 2015
CHECKED	7/15/15	SC	JUL 2015

NO.	DATE	DESCRIPTION	BY	APPROV.

Stamp _____



Drawing Title _____

TYPICAL
CONCRETE DETAILS

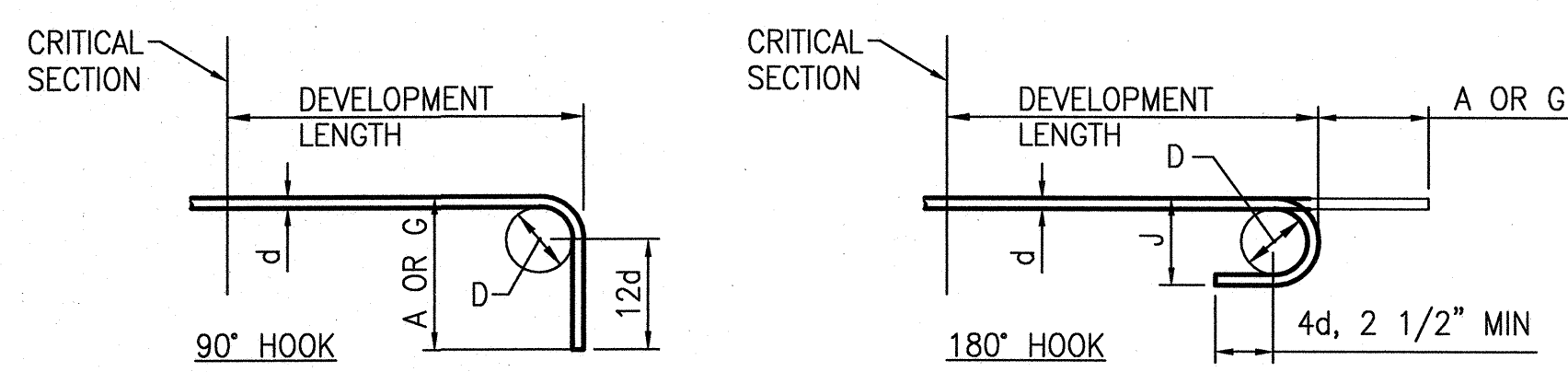
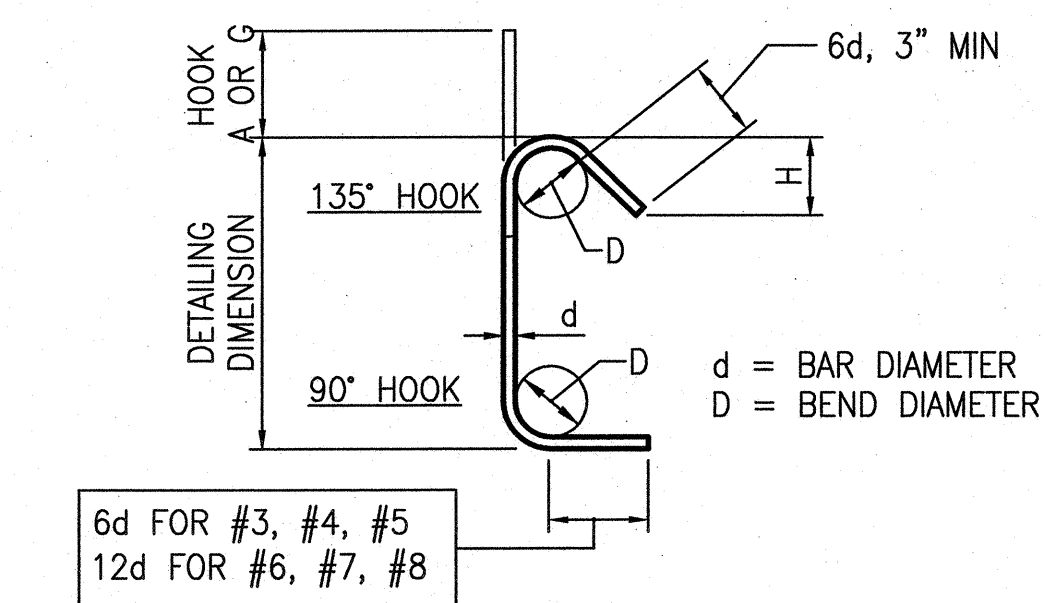
Sheet No. _____

S-1.3

Job No. _____

Scale NONE

3054V



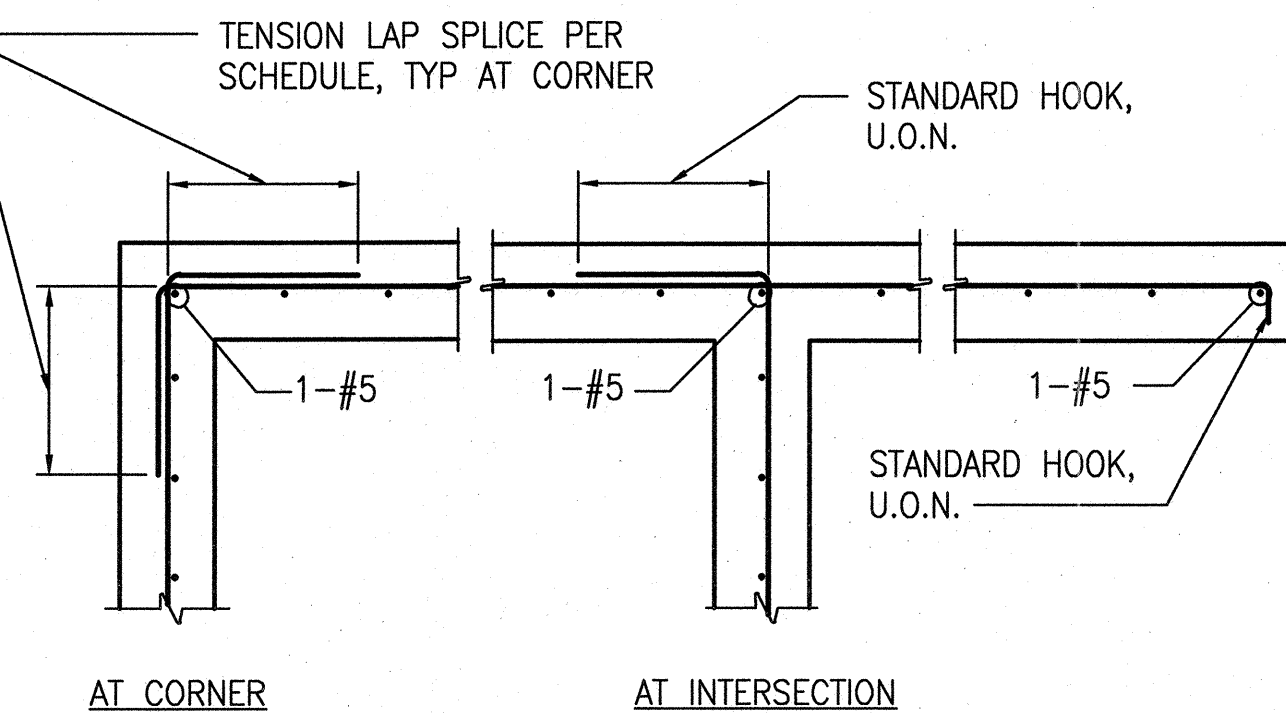
BAR SIZE	D	90° HOOKS		180° HOOKS		DEVELOPMENT LENGTH
		A OR G	A OR G	J	A OR G	
#3	2 1/2"	6"	3"	3"	5"	0'-8"
#4	3"	8"	4"	4"	6"	0'-10"
#5	3 3/4"	10"	5"	5"	7"	1'-0"
#6	4 1/2"	1'-0"	6"	6"	8"	1'-3"
#7	5 1/4"	1'-2"	7"	7"	10"	1'-5"
#8	6"	1'-4"	8"	8"	11"	1'-7"
#9	9 1/2"	1'-7"	11 3/4"	1'-3"	1'-3"	1'-10"
#10	10 3/4"	1'-10"	1'-1 1/4"	1'-5"	1'-5"	2'-1"
#11	1'-0"	2'-0"	1'-2 3/4"	1'-7"	1'-7"	2'-3"

BAR SIZE	D	90° HOOKS		135° HOOKS	
		A OR G	A OR G	A OR G	APPROX H
#3	1 1/2"	4"	4 1/4"	3"	
#4	2"	4 1/2"	4 3/4"	3"	
#5	2 1/2"	6"	5 1/2"	3 3/4"	
#6	4 1/2"	1'-0"	8"	4 1/2"	
#7	5 1/4"	1'-2"	9"	5 1/4"	
#8	6"	1'-4"	10 1/2"	6"	

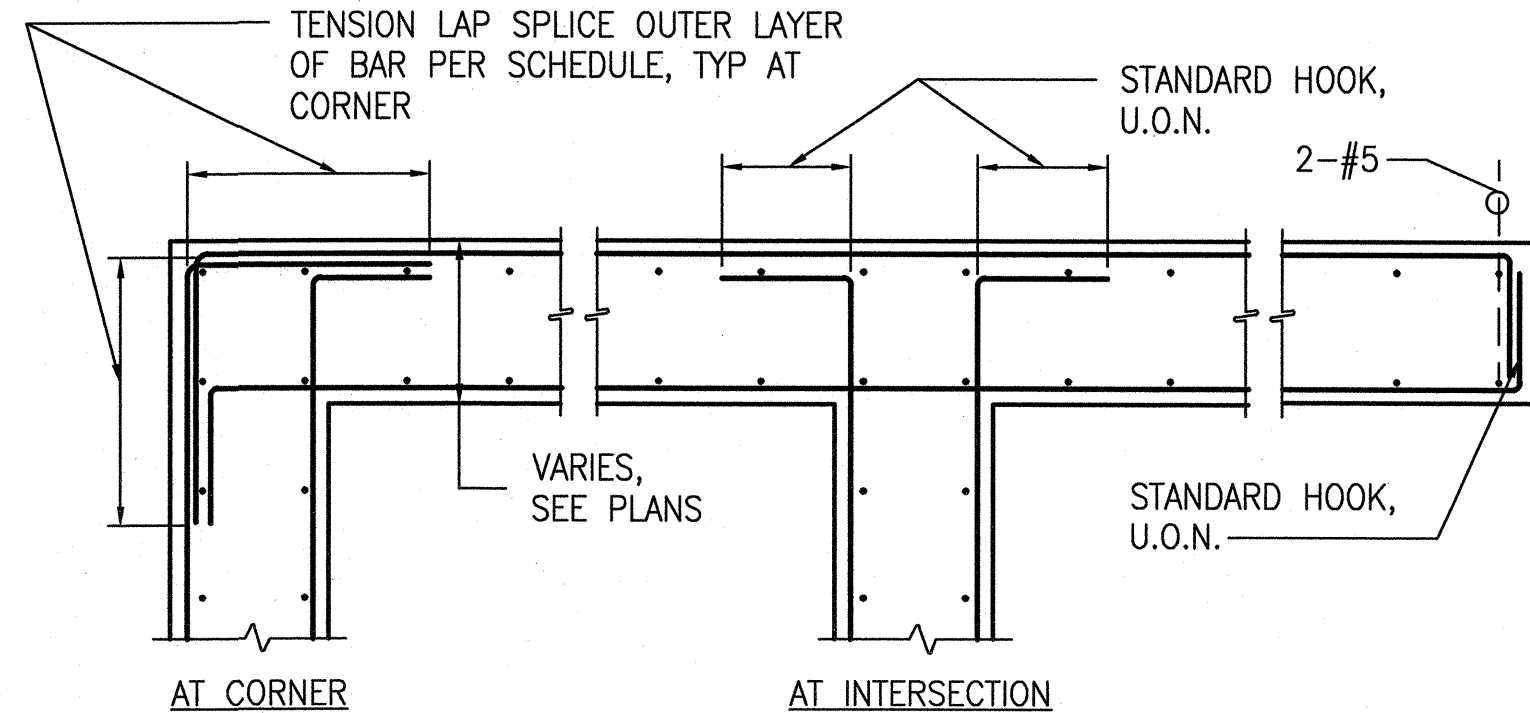
TYPICAL REINFORCEMENT BAR HOOKS AND BENDS
SCALE: N.T.S.

6

S-1.3



SINGLE CURTAIN REINF. DETAILS



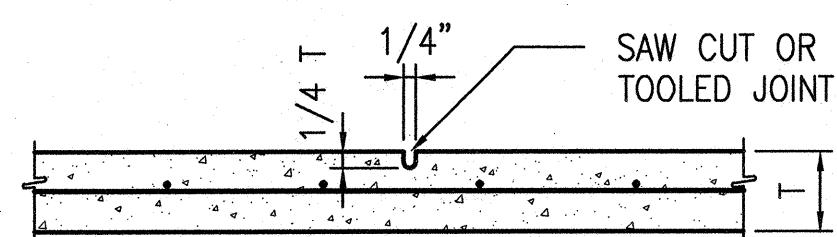
DOUBLE CURTAIN REINF. DETAILS

NOTE:
REINFORCEMENT SHOWN ON FOUNDATION DETAILS,
WALL ELEVATIONS, AND OTHER SPECIFICALLY
REFERENCED DETAILS TAKE PRECEDENCE OVER
REINFORCEMENT SHOWN HERE.

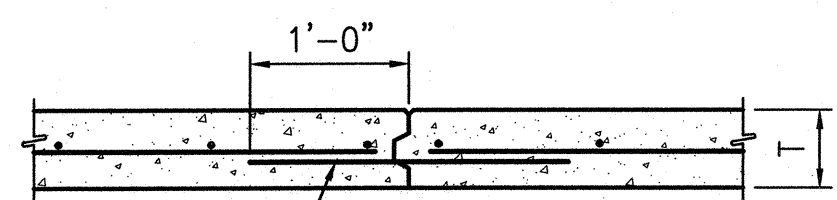
TYPICAL CONCRETE REINFORCEMENT AT CORNERS AND INTERSECTIONS
SCALE: N.T.S.

5

S-1.3



WEAKENED PLANE JOINT (W.P.J.)



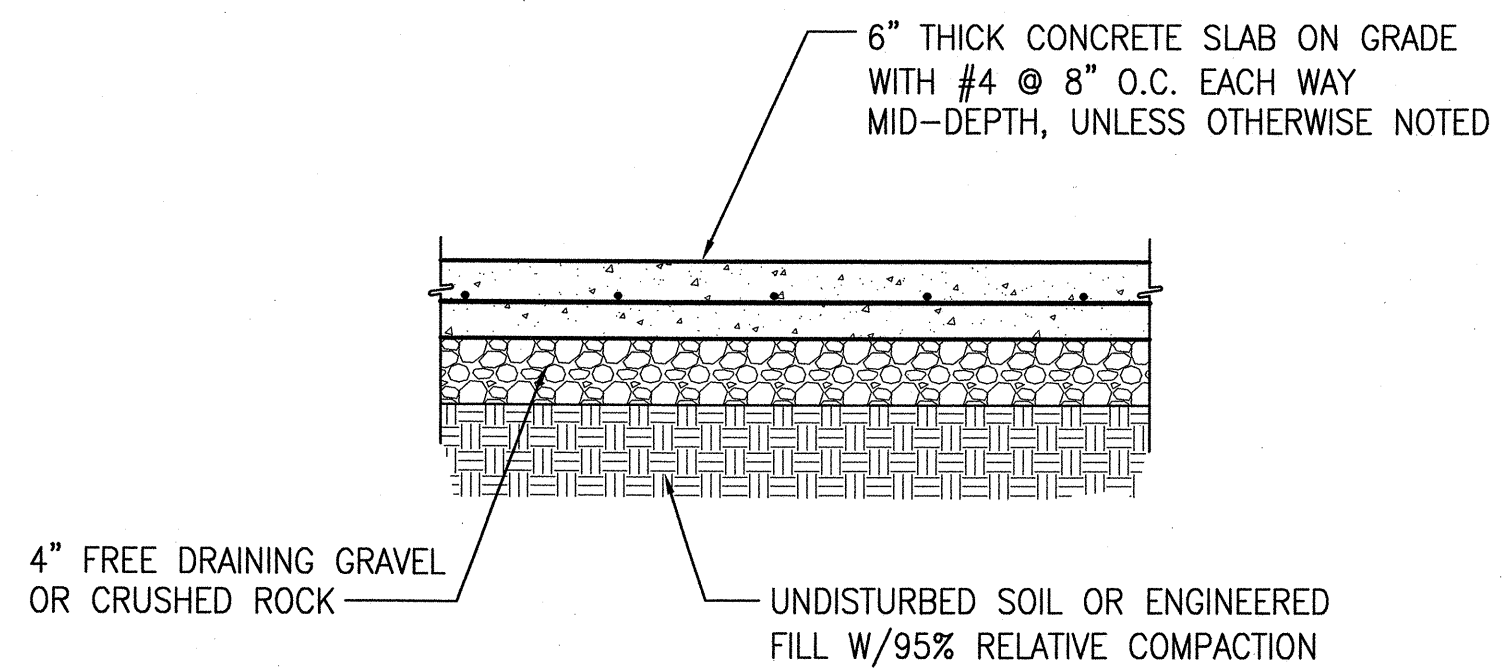
SHRINKAGE JOINT (S.J.)

- NOTES:
- FOR SLAB THICKNESS AND REINFORCEMENT, SEE PLANS.
 - CONTRACTOR TO DETERMINE CONTROL JOINT LOCATIONS AND SUBMIT TO ENGINEER FOR REVIEW.
 - LOCATE WEAKENED PLANE JOINTS (W.P.J.) TO ENCLOSE APPROXIMATE AREAS OF 600 SQUARE FEET AND SPACE 20'-0" O.C. MAXIMUM.
 - LOCATE SHRINKAGE JOINTS (S.J.) TO ENCLOSE APPROXIMATE AREAS OF 3,600 SQUARE FEET MAXIMUM.
 - S.J. MAY BE USED AS CONSTRUCTION JOINTS (C.J.) FOR SLABS ON GRADE WHERE REQUIRED.
 - FOR SAW CUT, CUT SLAB IMMEDIATELY AFTER INITIAL CONCRETE SET AND BEFORE FINAL CURING.
 - S.J. MAY BE FORMED BY USING WOOD EDGE FORM WITH BEVELED 1x KEYS x 12" LONG AT 24" O.C. OR CONTINUOUS "BURKE" KEYED KOLD JOINT, OR APPROVED EQUAL.

TYPICAL SLAB-ON-GRADE CONTROL JOINTS
SCALE: N.T.S.

4

S-1.3

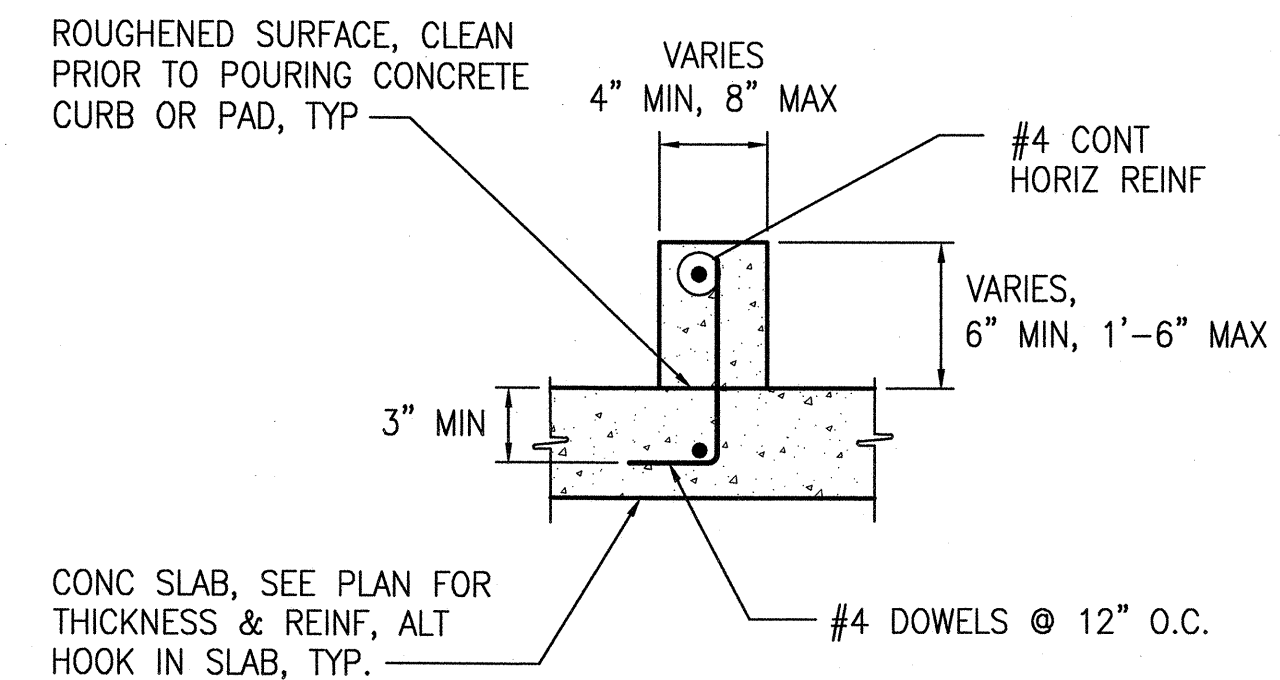


NOTE:
REFER TO GEOTECHNICAL REPORT FOR ADDITIONAL INFORMATION ON
SUB-GRADE PREPARATION AND SLAB-ON-GRADE CONSTRUCTION.

TYPICAL CONCRETE SLAB-ON-GRADE
SCALE: N.T.S.

3

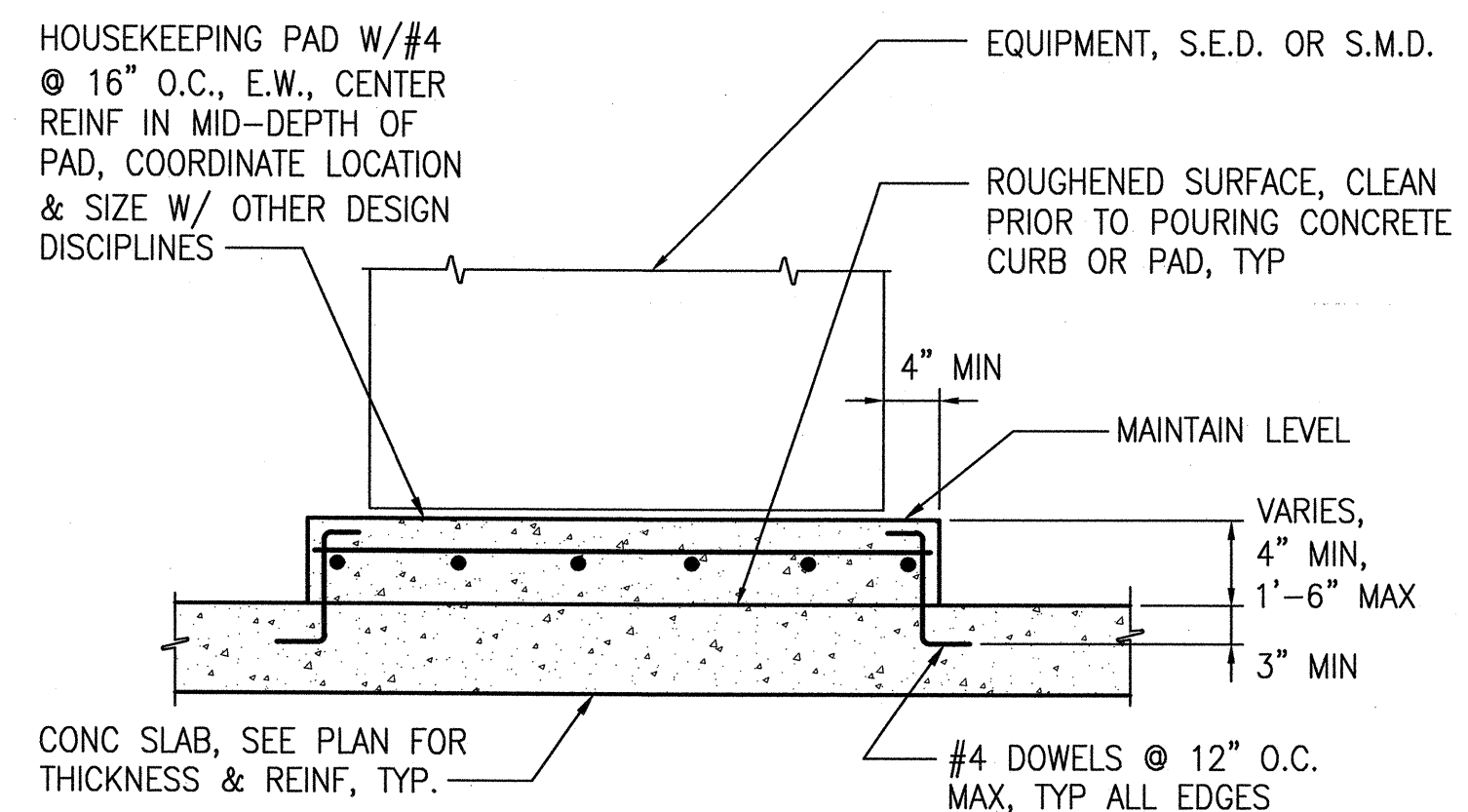
S-1.3



TYPICAL CONCRETE CURB
SCALE: N.T.S.

2

S-1.3



NOTE:
FOR EQUIPMENT ANCHORAGE, SEE ELECTRICAL, MECHANICAL, AND ADDITIONAL
DRAWINGS FOR INFORMATION

TYPICAL CONCRETE HOUSEKEEPING PAD
SCALE: N.T.S.

1

S-1.3



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Issue _____

100% BID SET

Approvals _____ 07/15

SECTION MANAGER <i>See for Ray Lee</i>	DRAWN WL	JUL 2015
DEPUTY DIVISION MANAGER <i>Feb 7/15</i>	DESIGNED WL	JUL 2015
DIVISION MANAGER <i>7/15</i>	CHECKED SC	JUL 2015

NO.	DATE	DESCRIPTION	BY	APPROV

Stamp _____



Drawing Title _____

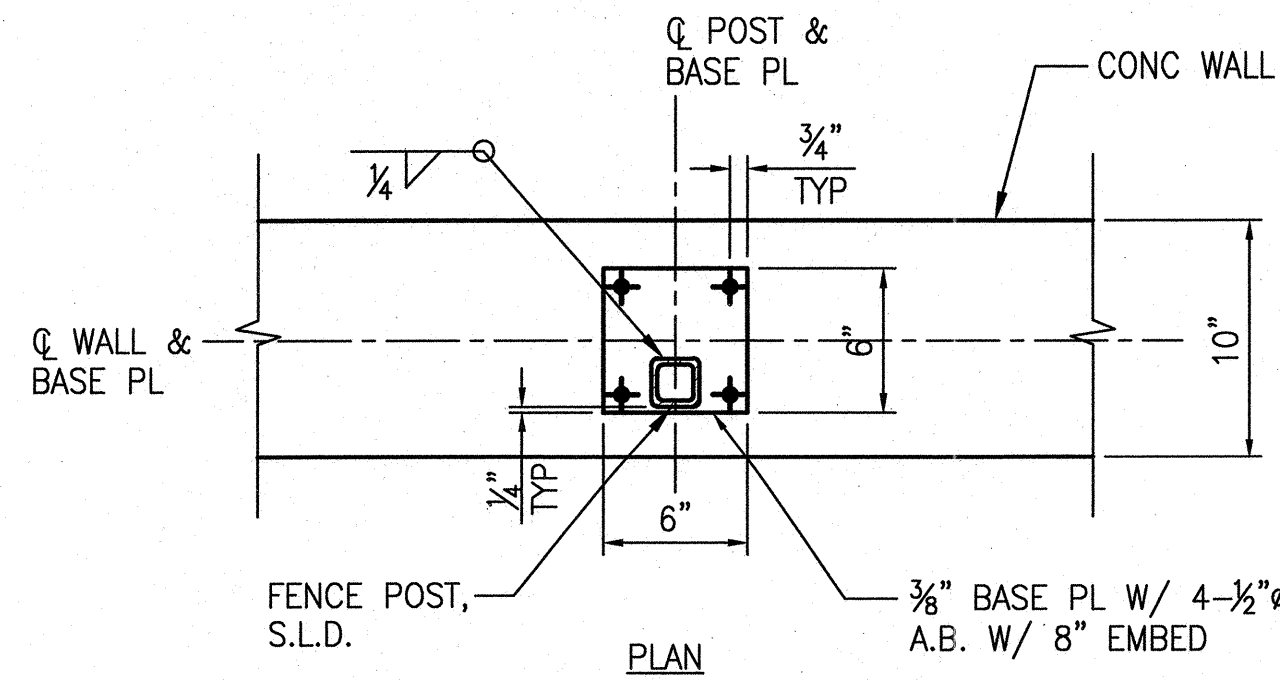
TYPICAL
CONCRETE DETAILS

Sheet No. _____

S-1.4

Job No. _____

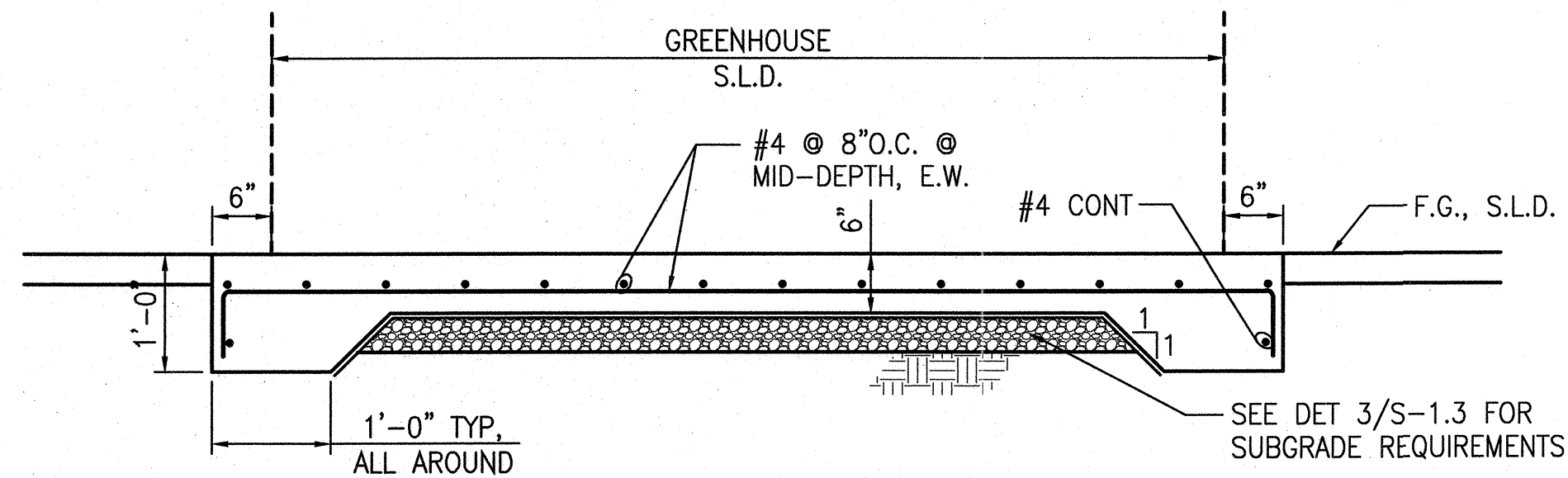
3054V



NOTES:
1. APPLY NON-SHRINK GROUT TO LEVEL CONCRETE SURFACE AS REQUIRED.

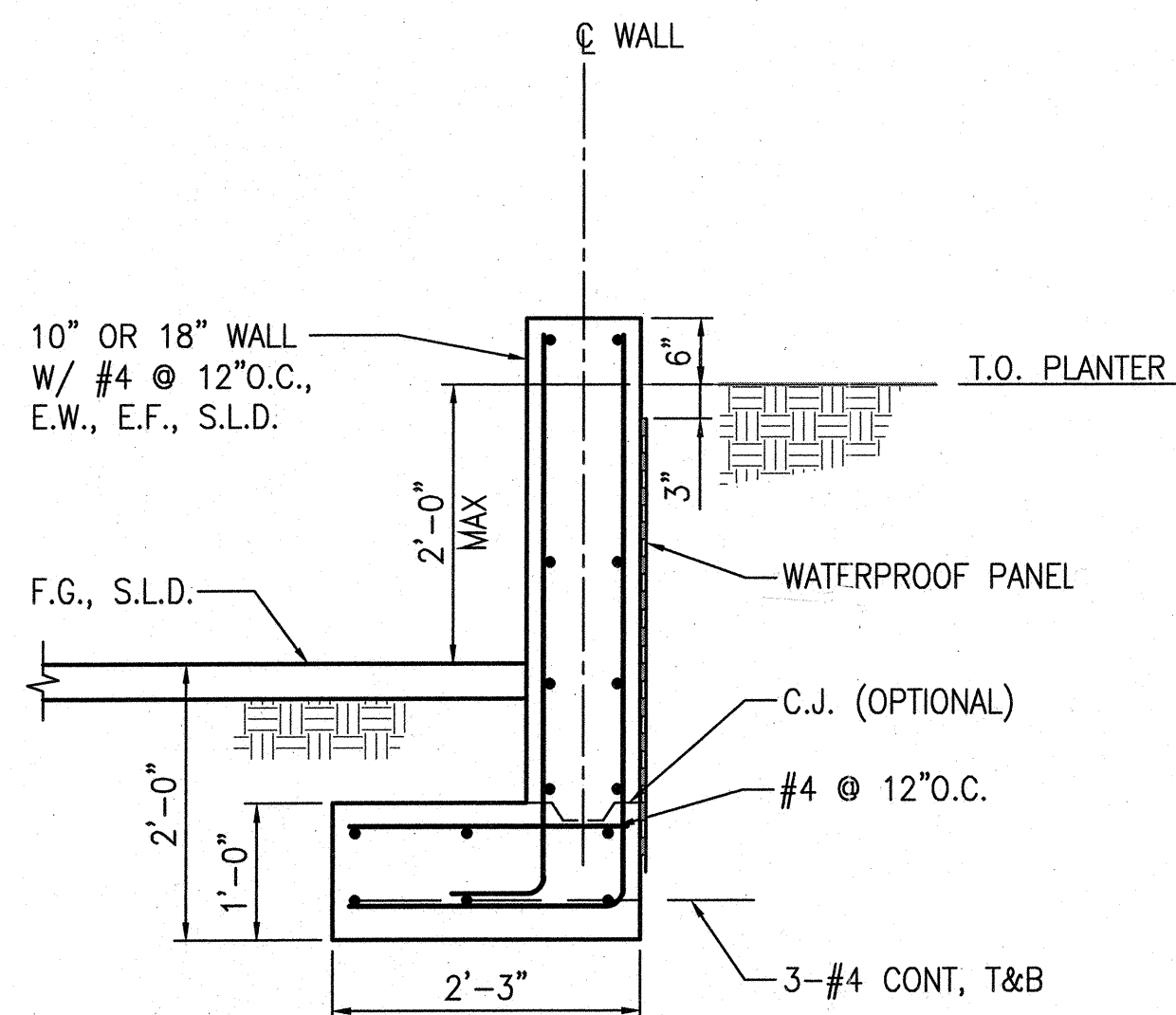
FENCE POST BASE PL
SCALE: 1-1/2"=1'-0"

8
S-1.4



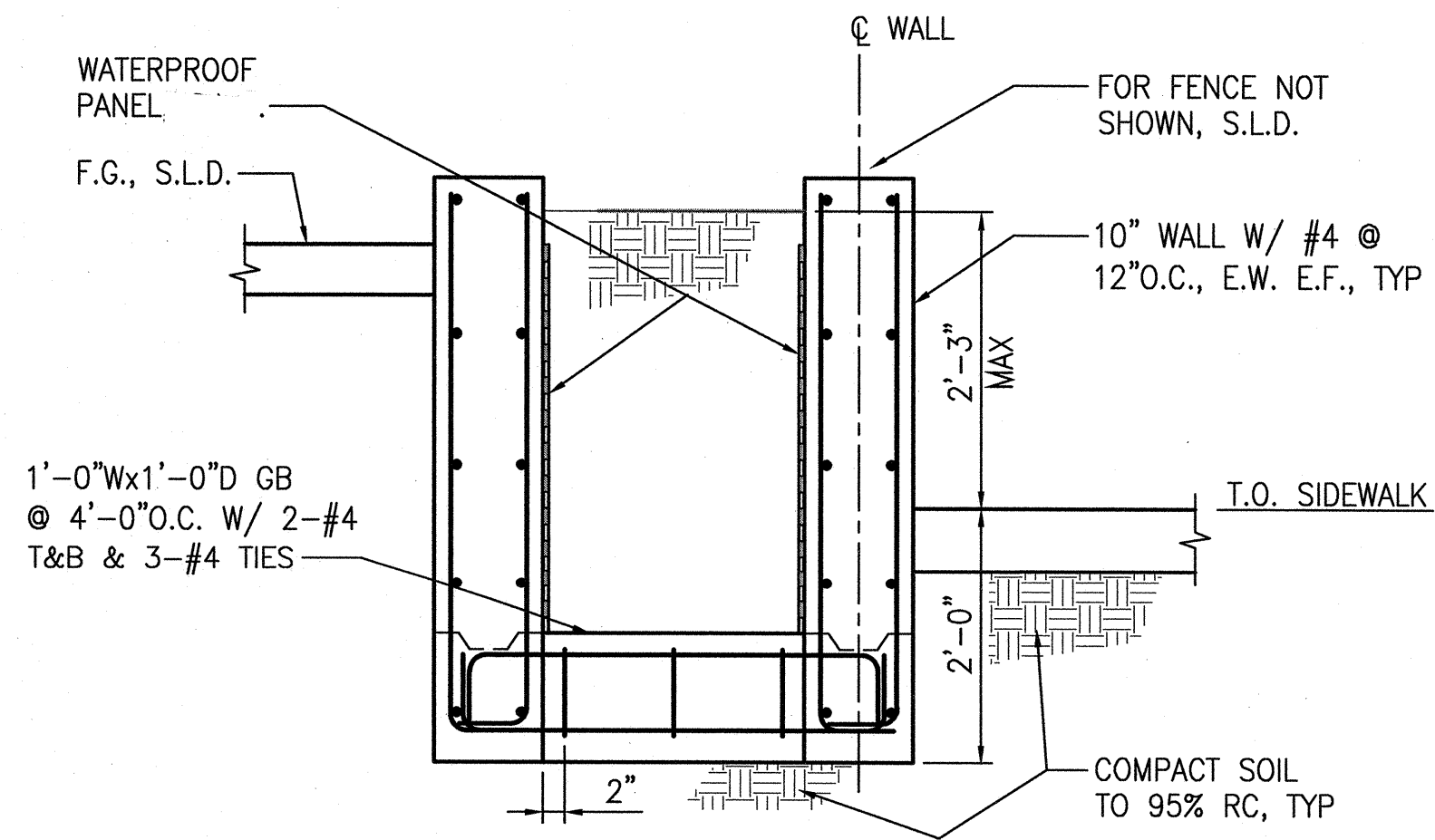
CONCRETE PAD DETAIL

7
S-1.4



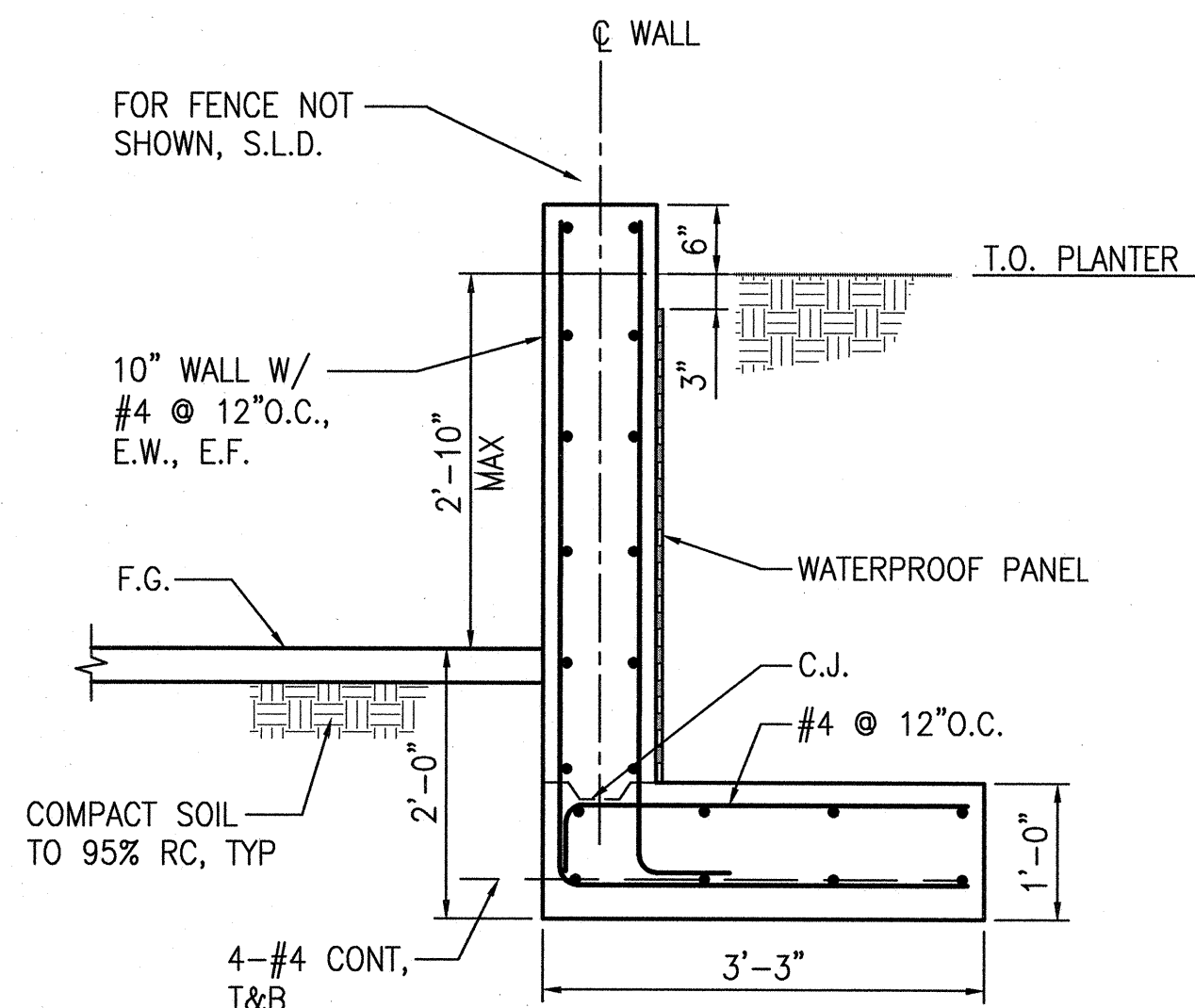
RETAINING WALL AT PLANTER BOX
SCALE: 3/4"=1'-0"

6
S-1.4



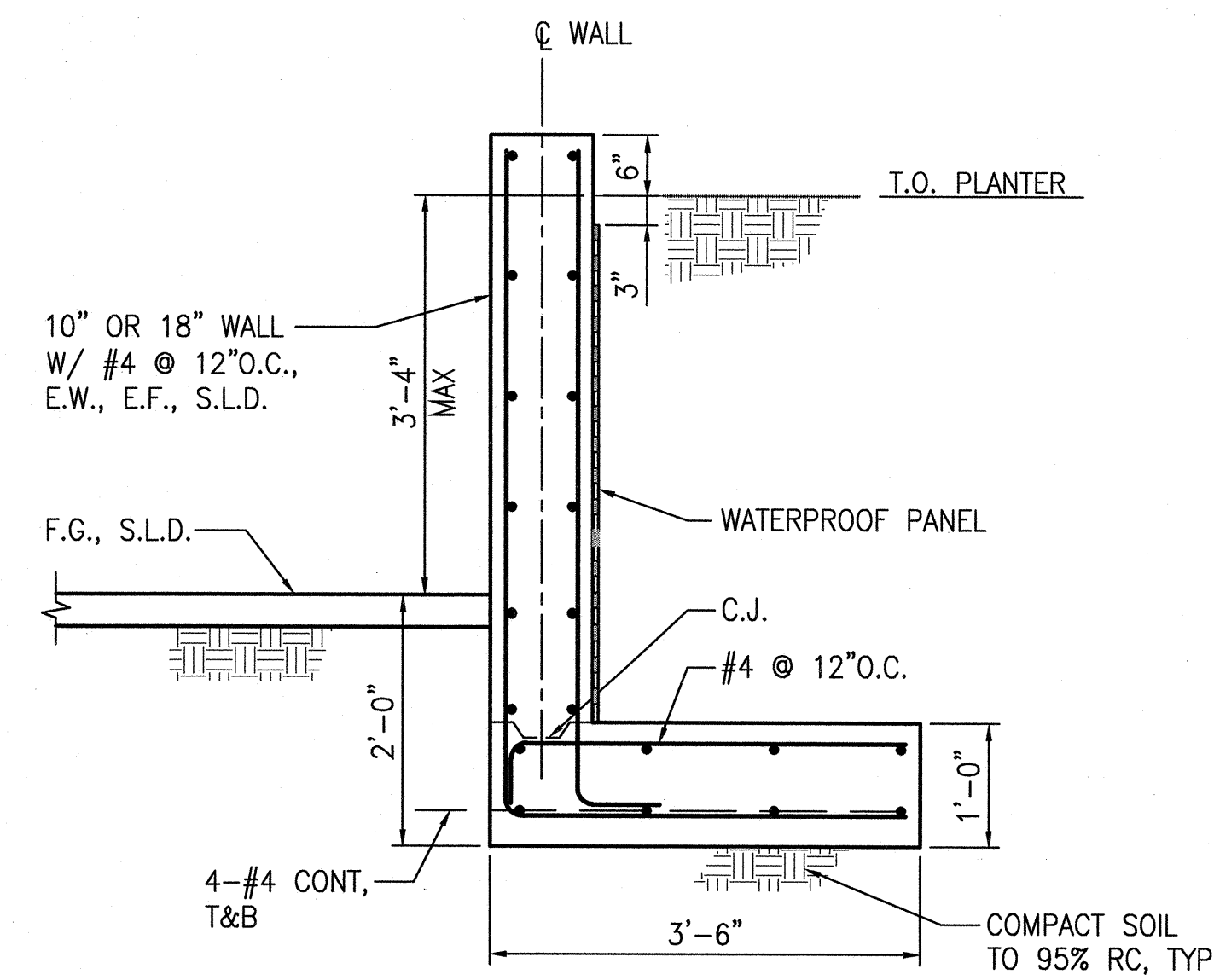
RETAINING WALL ALONG FOLSOM ST
SCALE: 3/4"=1'-0"

5
S-1.4



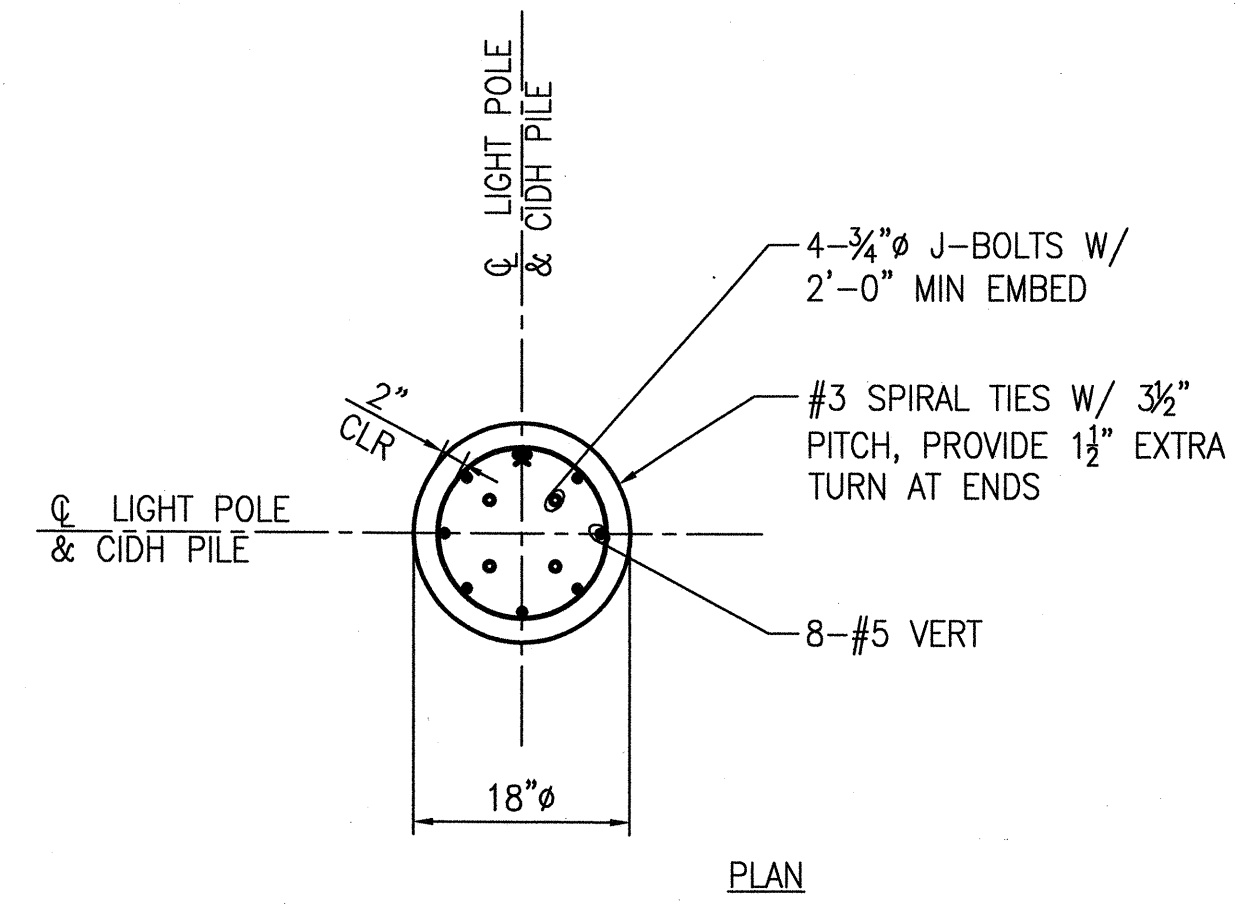
RETAINING WALL AT NORTH SIDE
SCALE: 3/4"=1'-0"

4
S-1.4



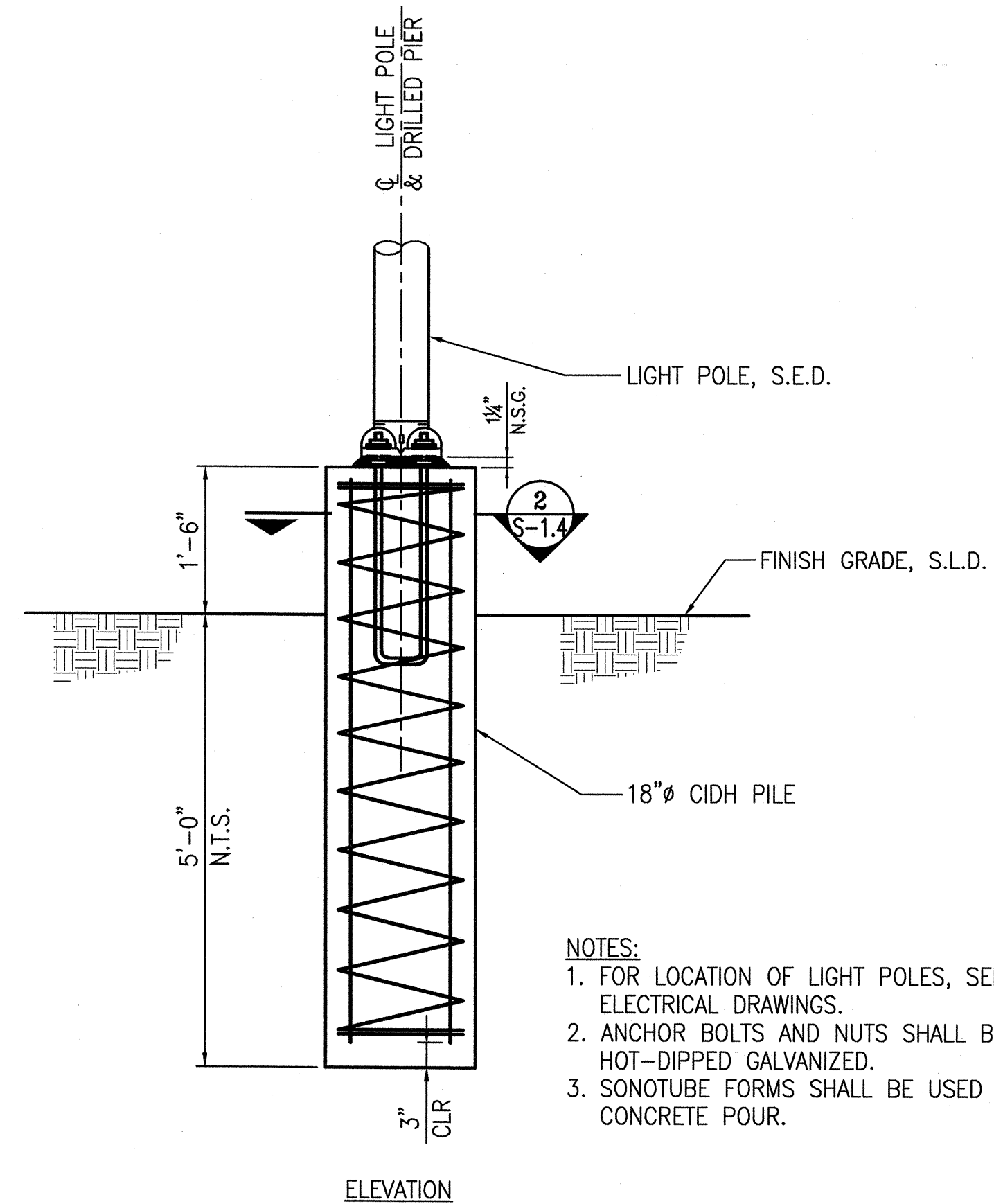
RETAINING WALL AT GARDEN/PLAYGROUND
SCALE: 3/4"=1'-0"

3
S-1.4



FOUNDATION FOR LIGHT POLE
SCALE: 3/4"=1'-0"

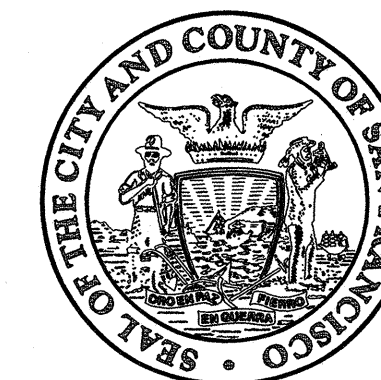
2
S-1.4



FOUNDATION FOR LIGHT POLE
SCALE: 3/4"=1'-0"

1
S-1.4

- NOTES:
1. FOR LOCATION OF LIGHT POLES, SEE ELECTRICAL DRAWINGS.
2. ANCHOR BOLTS AND NUTS SHALL BE HOT-DIPPED GALVANIZED.
3. SONOTUBE FORMS SHALL BE USED FOR CONCRETE POUR.



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INFRASTRUCTURE
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Issue _____

100% BID SET

Approvals _____ 07/15

SECTION MANAGER <i>Se for Ray Liu</i>	DRAWN WL	JUL 2015
DEPUTY DIVISION MANAGER <i>John P. Liu 7/13/15</i>	DESIGNED WL	JUL 2015
DIVISION MANAGER <i>Ed W. Liu 7/13/15</i>	CHECKED SC	JUL 2015

NO.	DATE	DESCRIPTION	BY	APPR

Stamp _____



Drawing Title _____

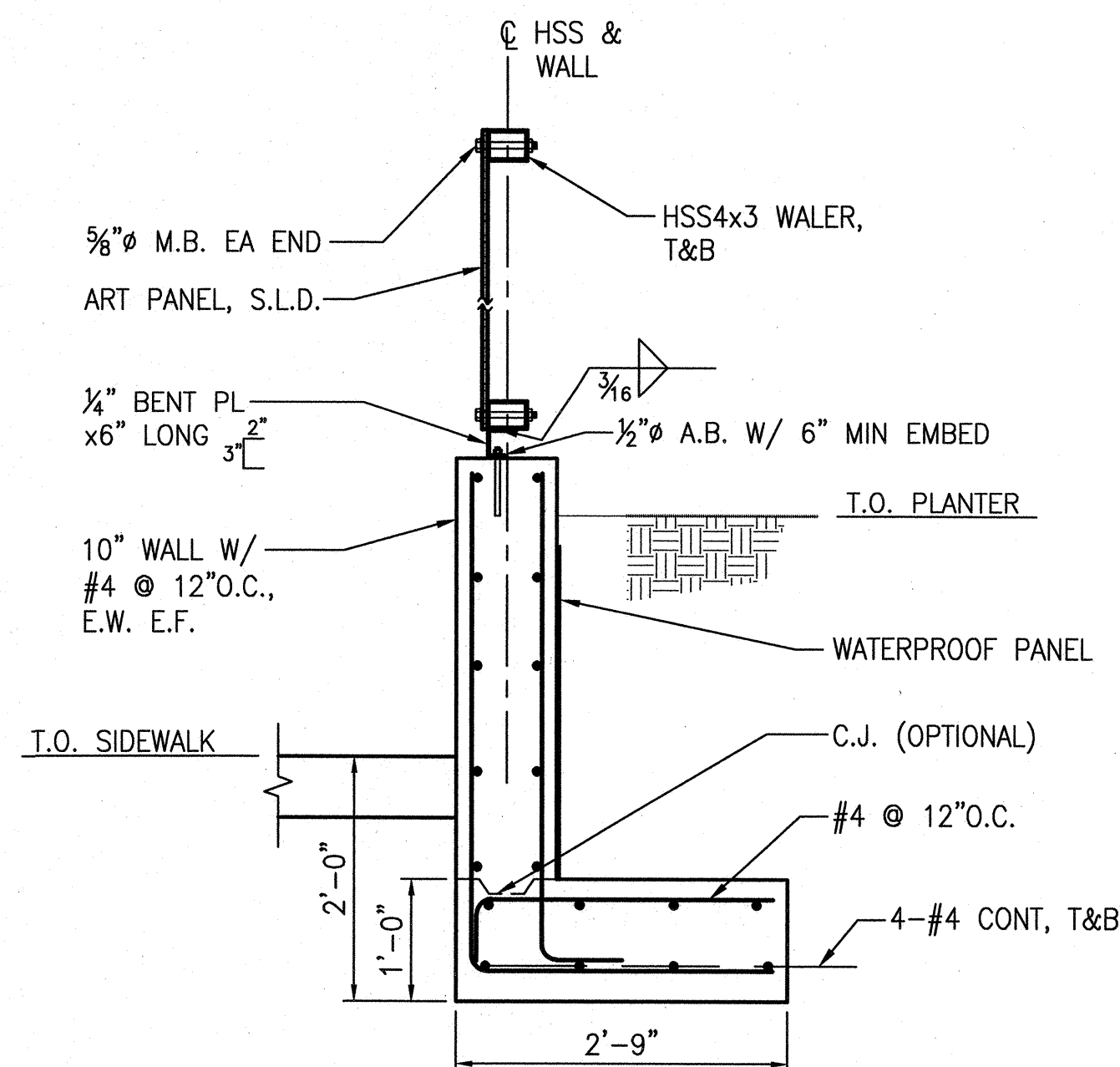
ELEVATIONS AND DETAILS

Sheet No. _____

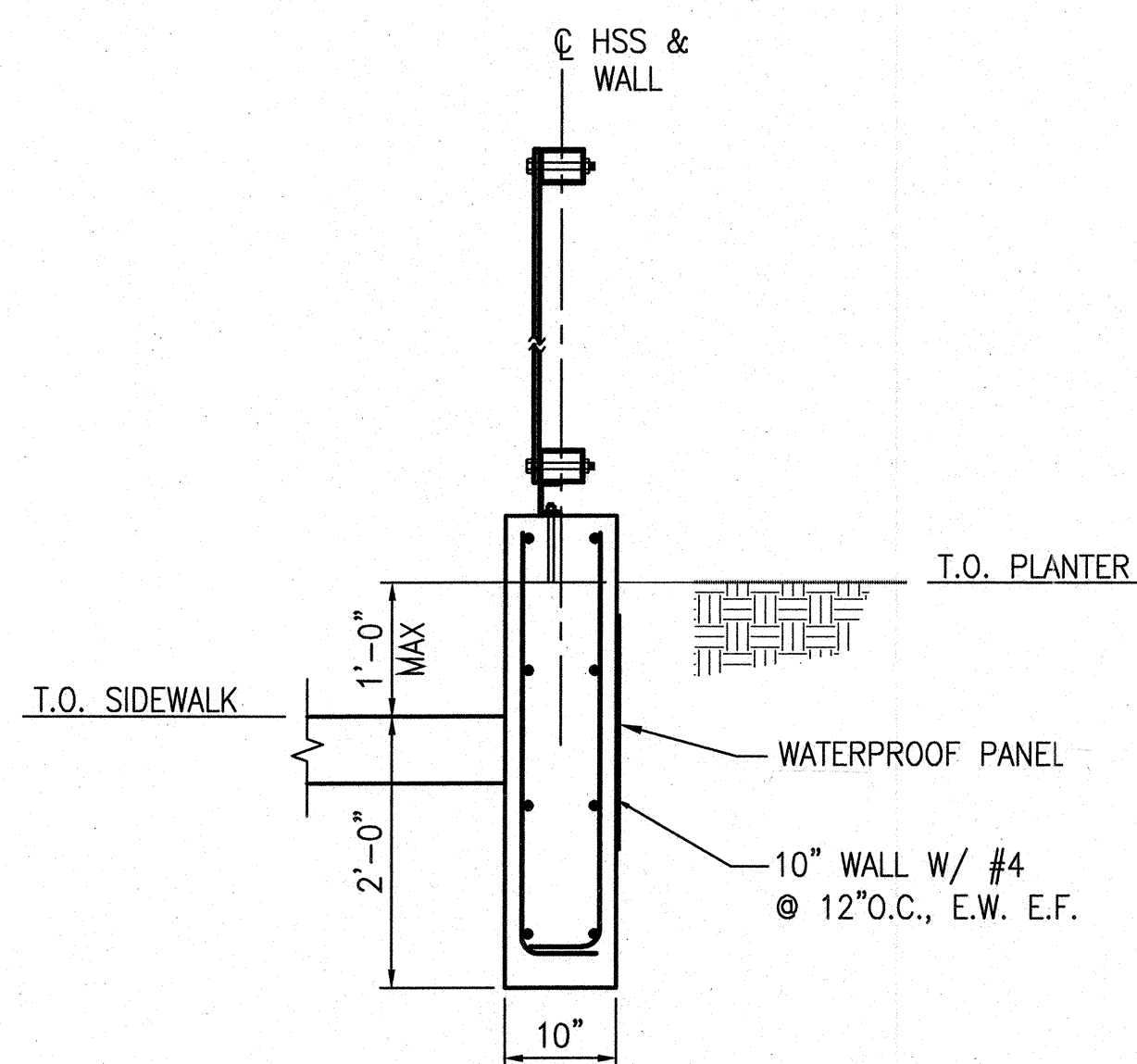
S-4.1

Job No. _____

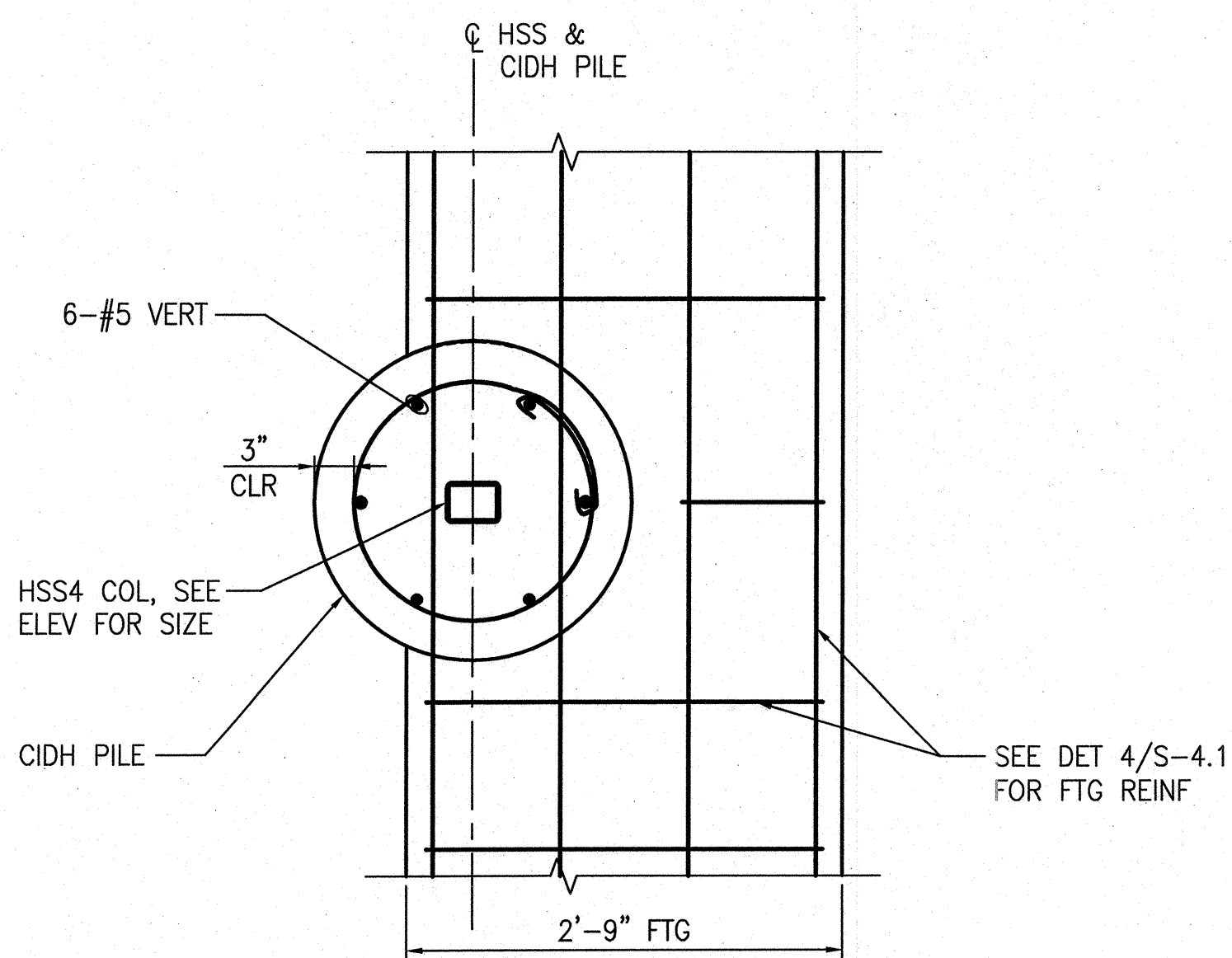
3054V



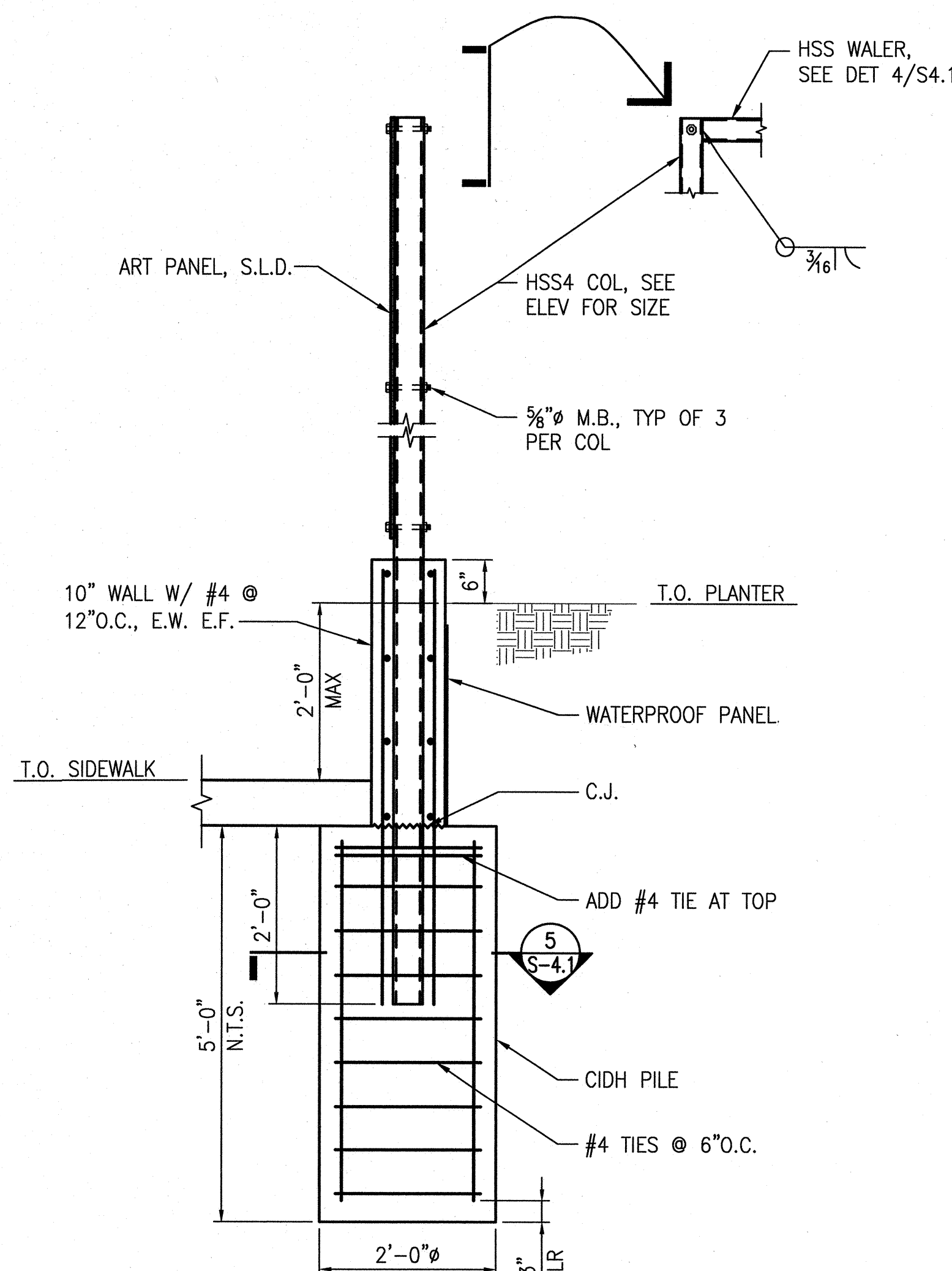
DETAIL 4
SCALE: 3/4"=1'-0"
S-4.1



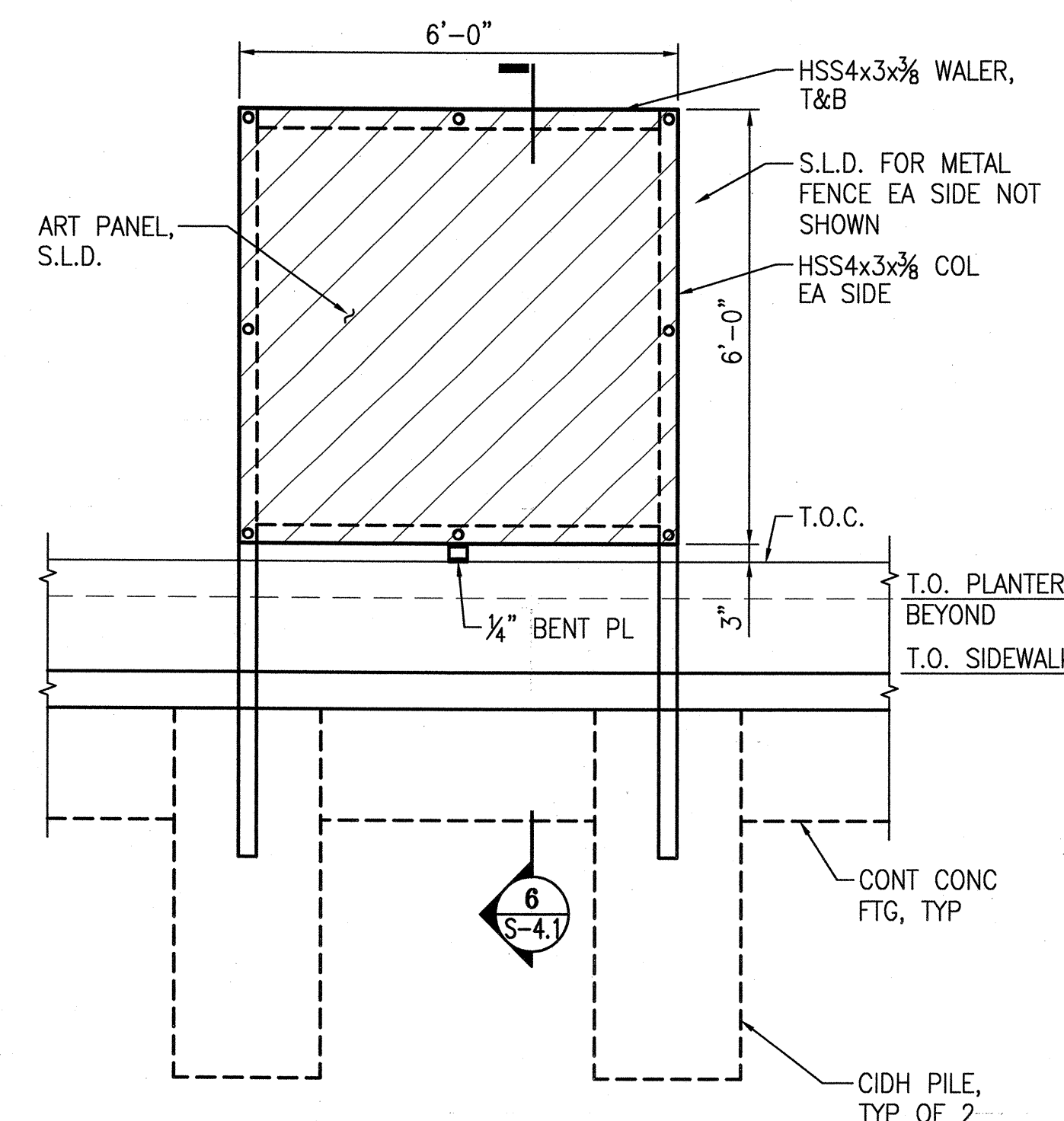
DETAIL 6
SCALE: 3/4"=1'-0"
S-4.1



DETAIL 5
SCALE: 1"=1'-0"
S-4.1

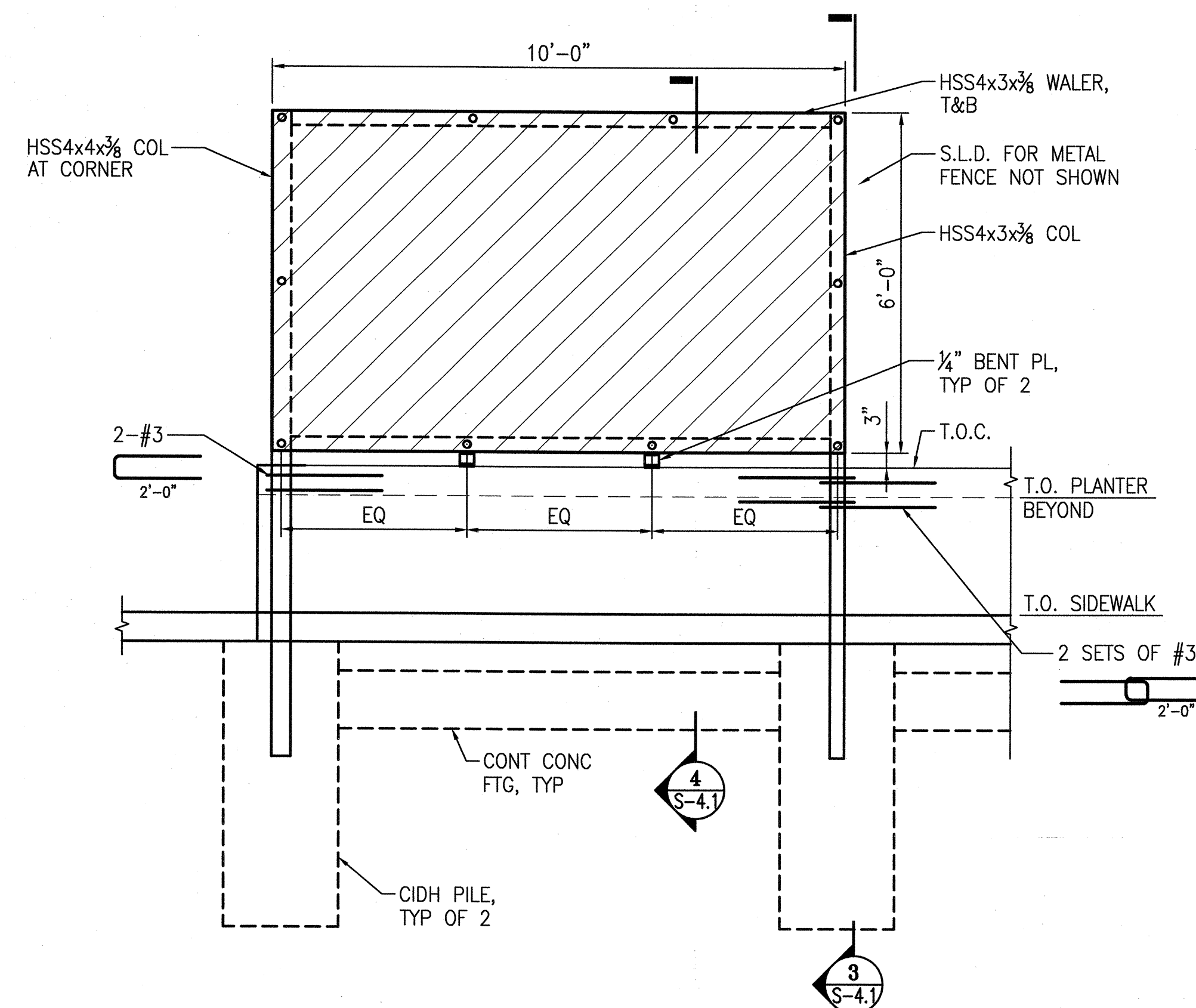


DETAIL 3
SCALE: 3/4"=1'-0"
S-4.1

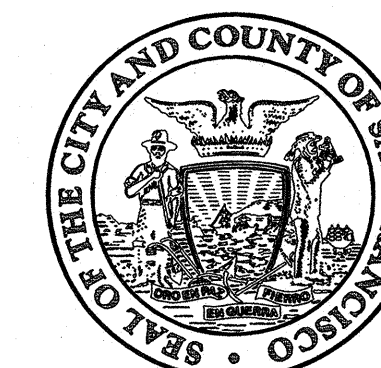


NOTE:
FOR INFO NOT SHOWN, SEE DET 1/S4.1.

ELEVATION - HERON ART PANEL
SCALE: 1/2"=1'-0"
S-4.1



ELEVATION - CONDOR ART PANEL
SCALE: 1/2"=1'-0"
S-4.1



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100% BID SET

Approvals _____ 07/15

SECTION MANAGER <i>Scott Reynolds</i>	DRAWN WL WL	JUL 2015
DESIGN DIVISION MANAGER <i>John Kim</i>	DESIGNED WL WL	JUL 2015
PROJECT MANAGER <i>William W. L. L...</i>	CHECKED SC SC	JUL 2015

NO.	DATE	DESCRIPTION	BY	APPR'D

Stamp _____



Drawing Title _____

ARBOR
PLAN & ELEVATION

Sheet No. _____

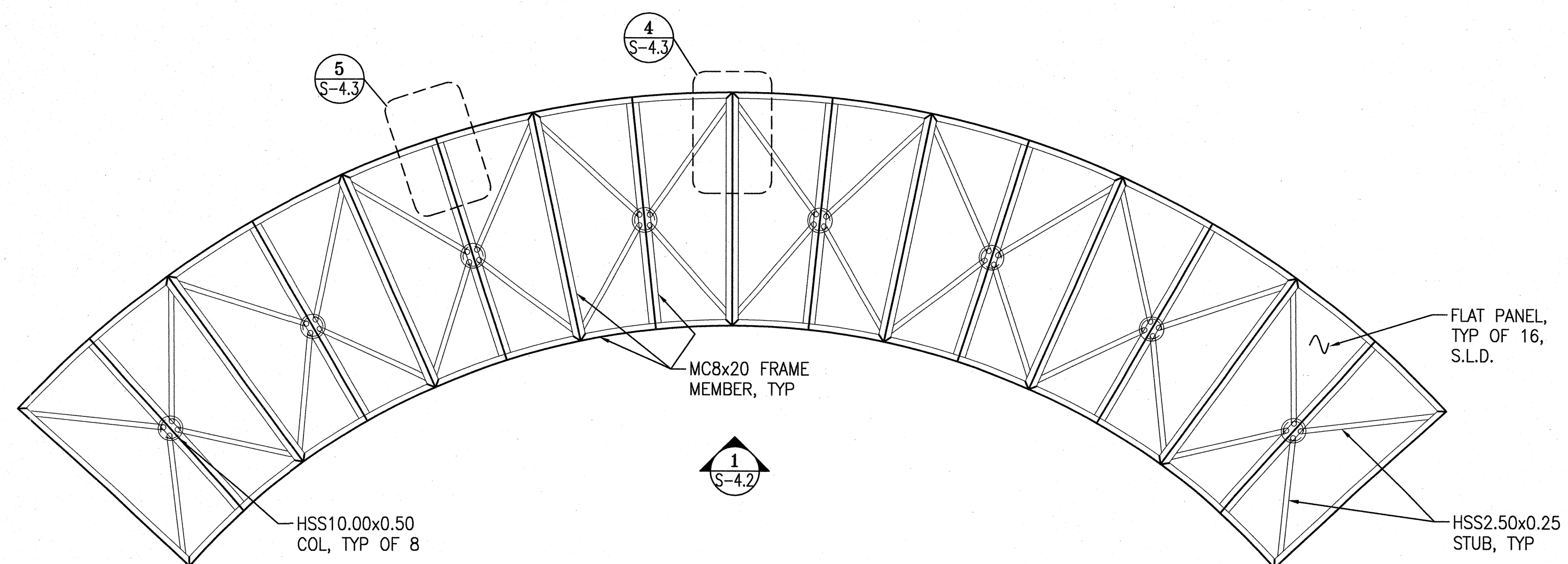
S-4.2

Scale NONE

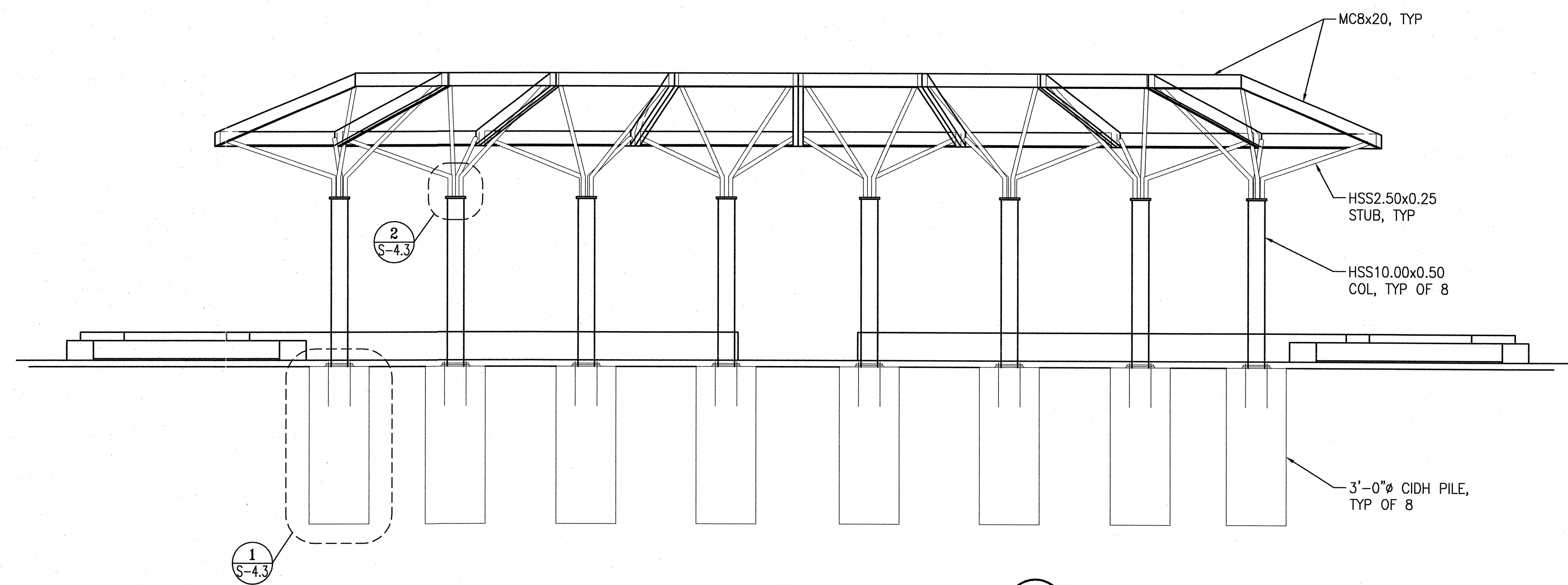
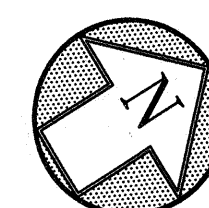
Job No. 3054V

SHEET NOTES:

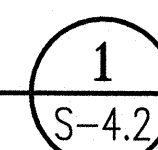
- S.L.D. FOR ALL DIMENSIONS NOT SHOWN.
- INTERMEDIATE MC8's ARE NOT SHOWN ON ELEVATION VIEW FOR CLARITY.

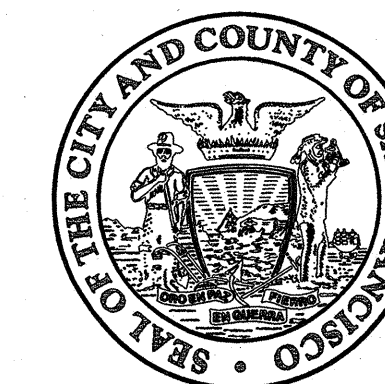


ARBOR ROOF PLAN
SCALE: 1/4"=1'-0"



ARBOR ELEVATION
SCALE: 1/4"=1'-0"





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Issue _____

100% BID SET

Approvals _____ 07/15

SECTION MANAGER	DESIGNED	DATE
<i>W. Li</i>	WL	JUL 2015
DEPUTY DIVISION MANAGER	DESIGNED	DATE
<i>W. Li</i>	WL	JUL 2015
PROJECT MANAGER	CHECKED	DATE
<i>W. Li</i>	SC	JUL 2015

NO.	DATE	DESCRIPTION	BY	APPRD
REVISIONS				

Stamp _____



Drawing Title _____

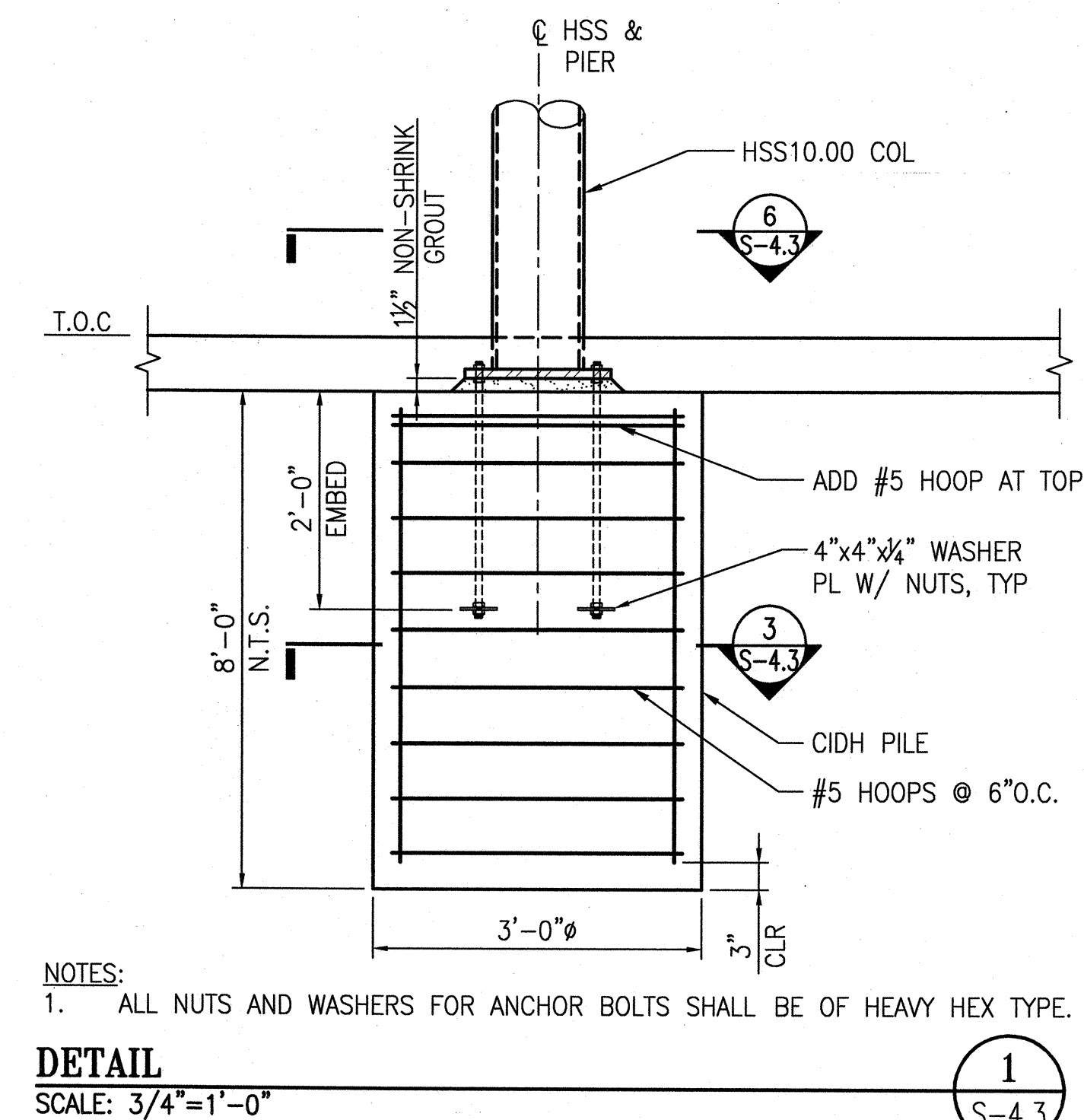
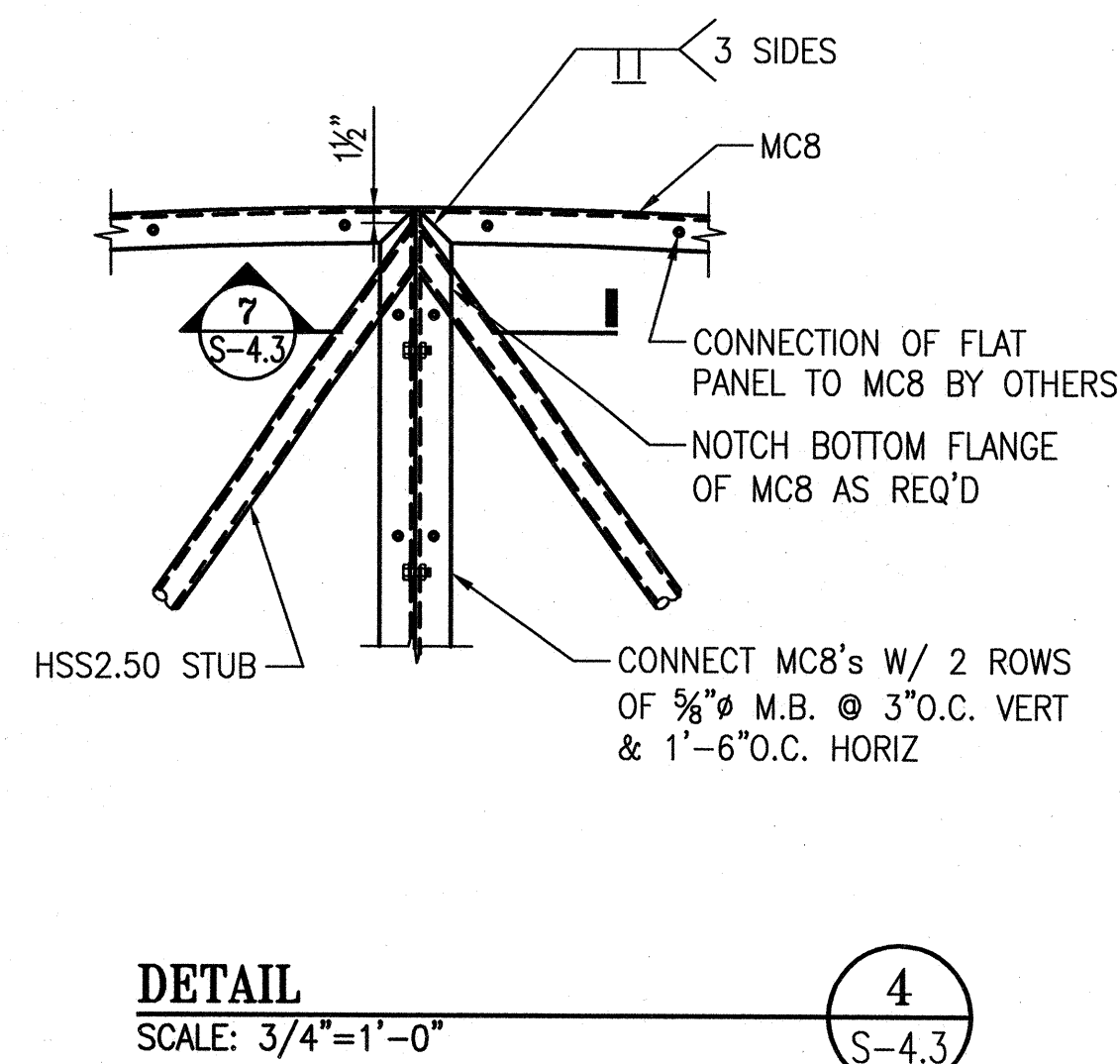
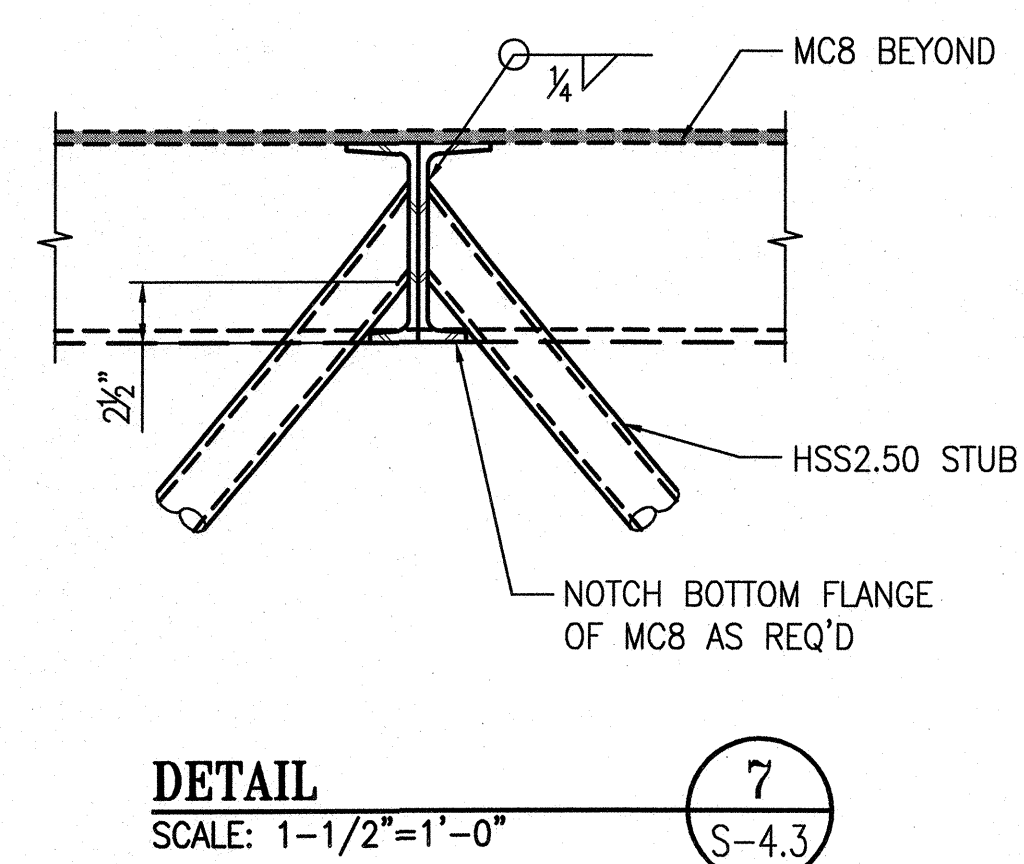
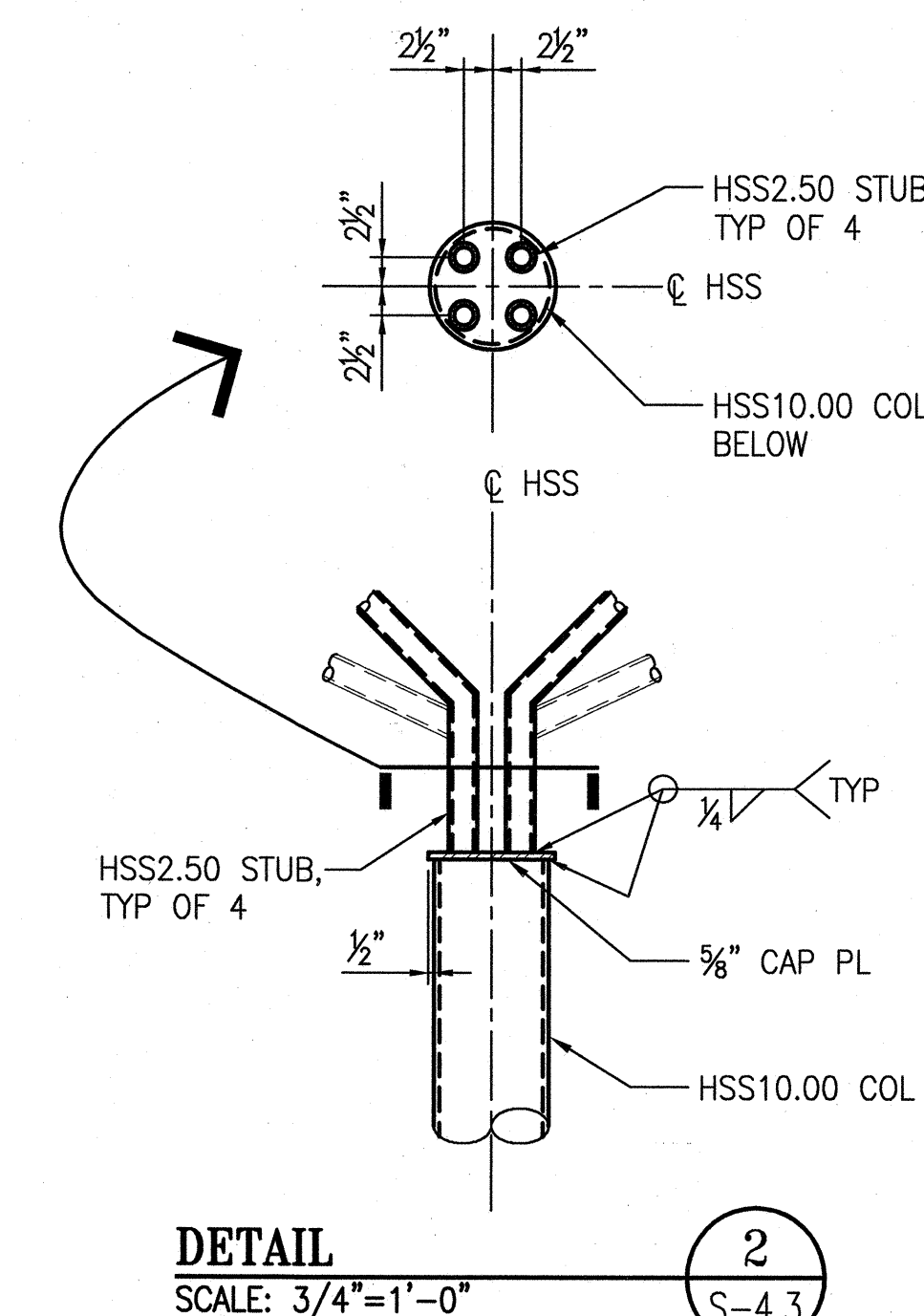
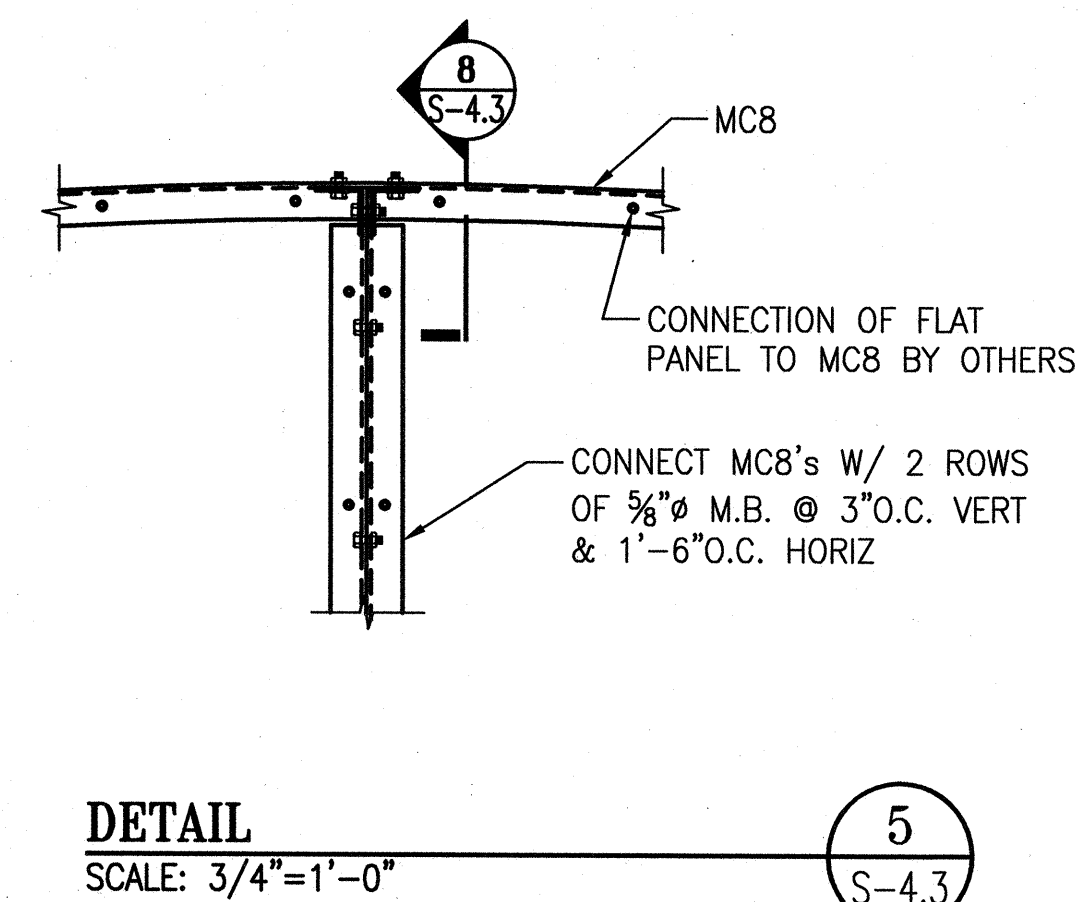
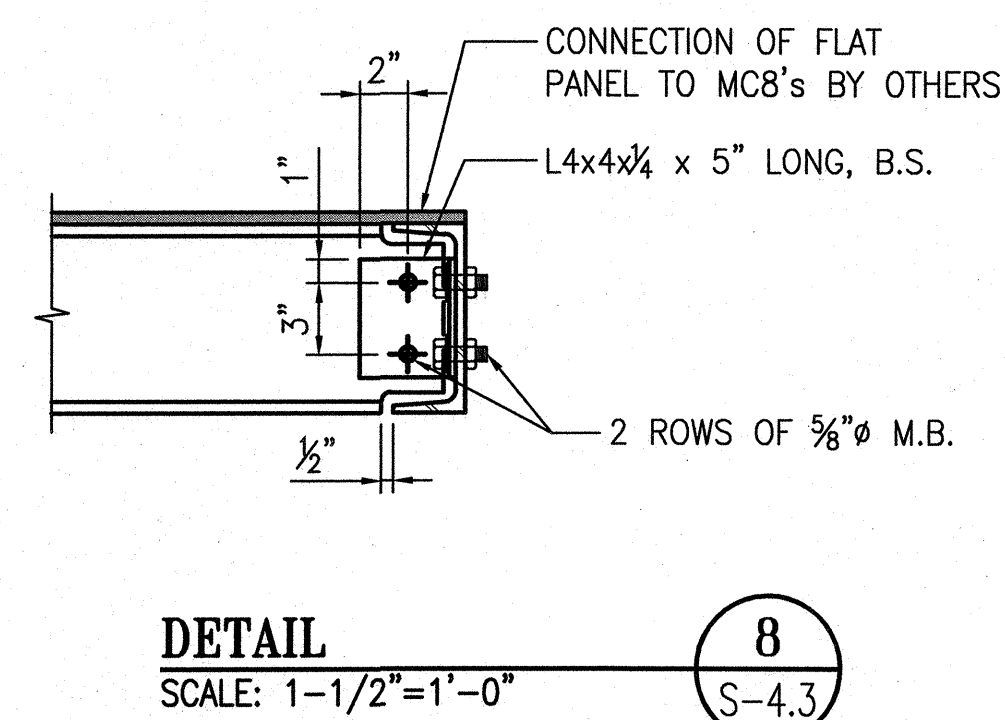
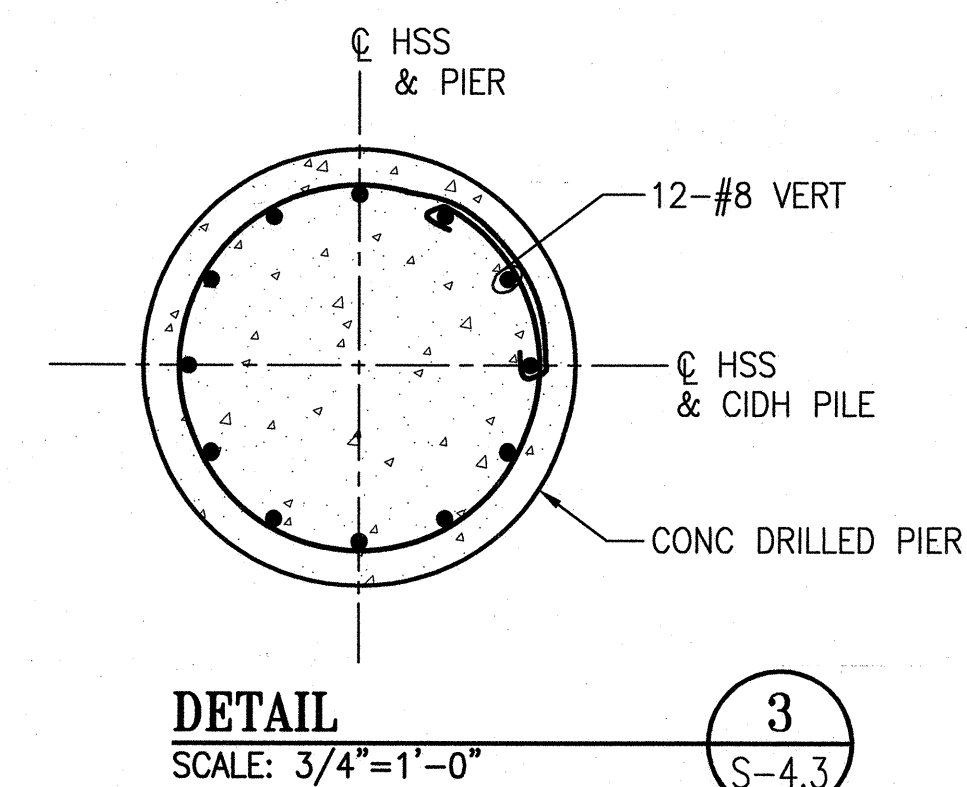
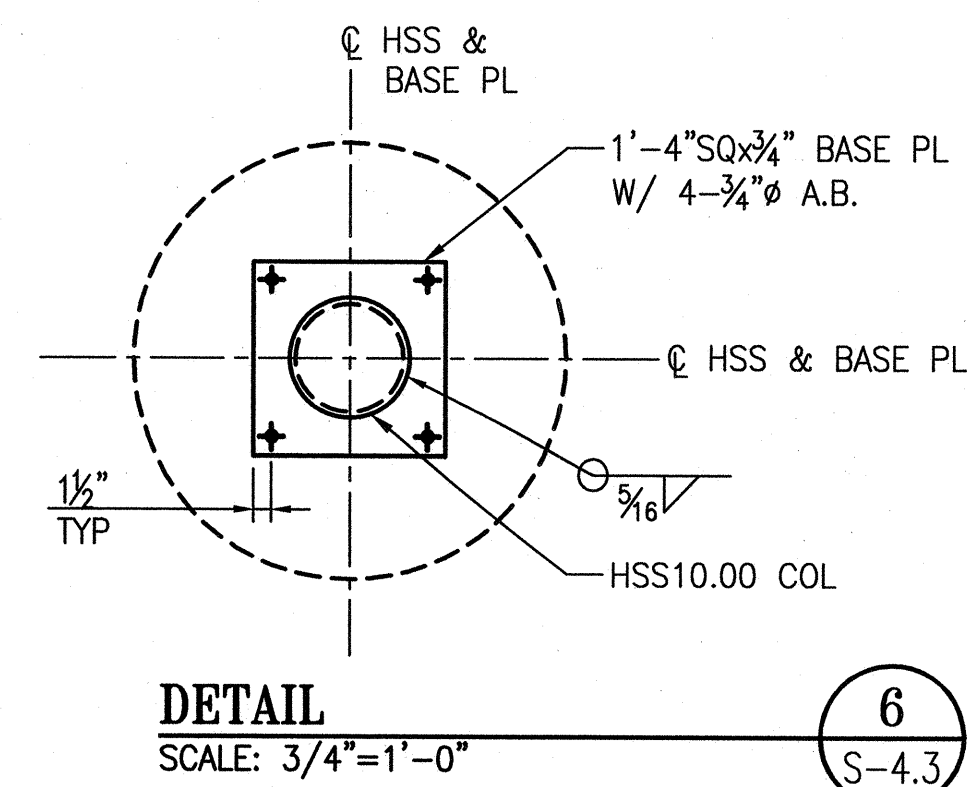
ARBOR
DETAILS

Sheet No. _____

S-4.3

Job No. _____

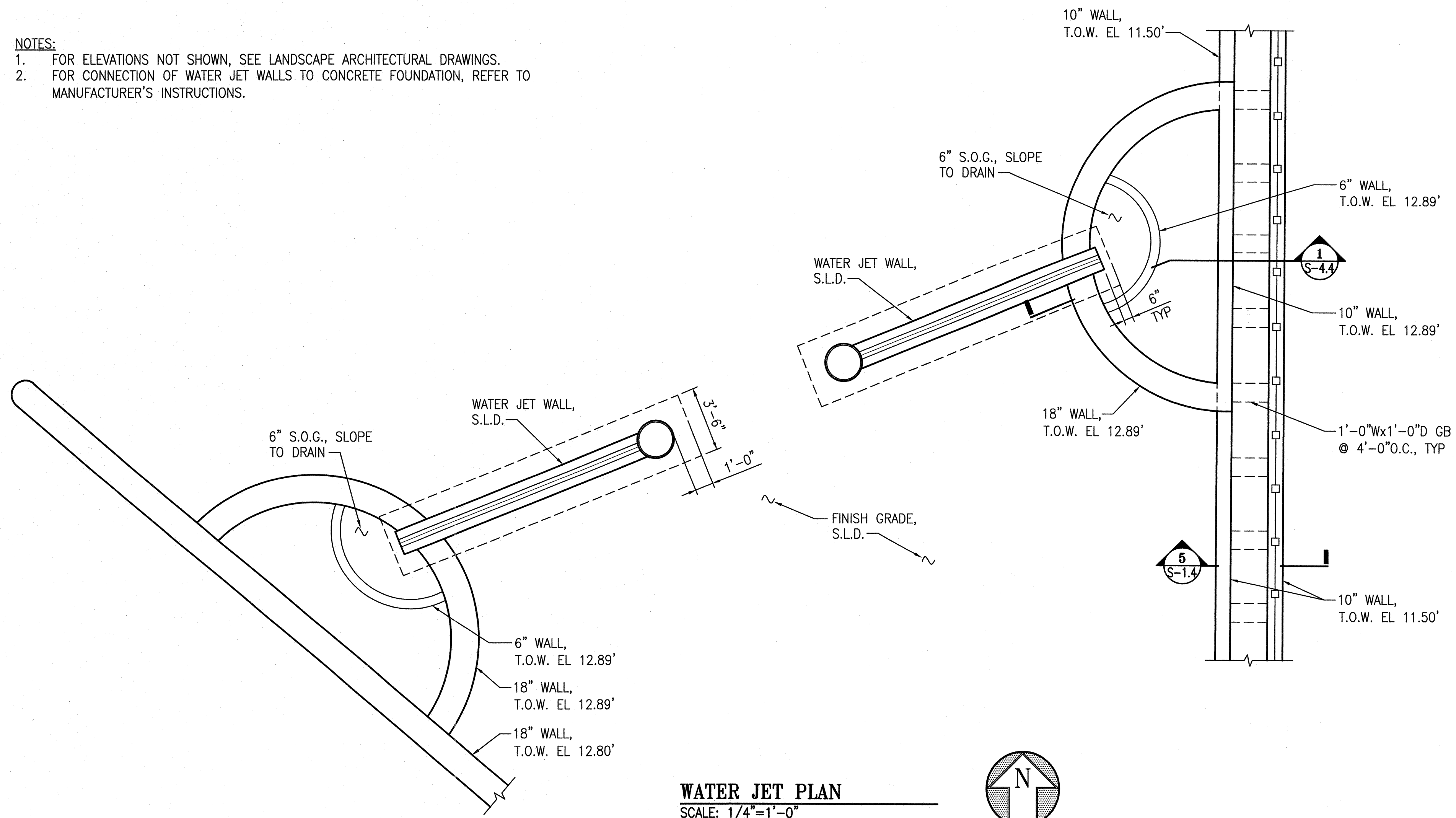
Scale NONE
3054V



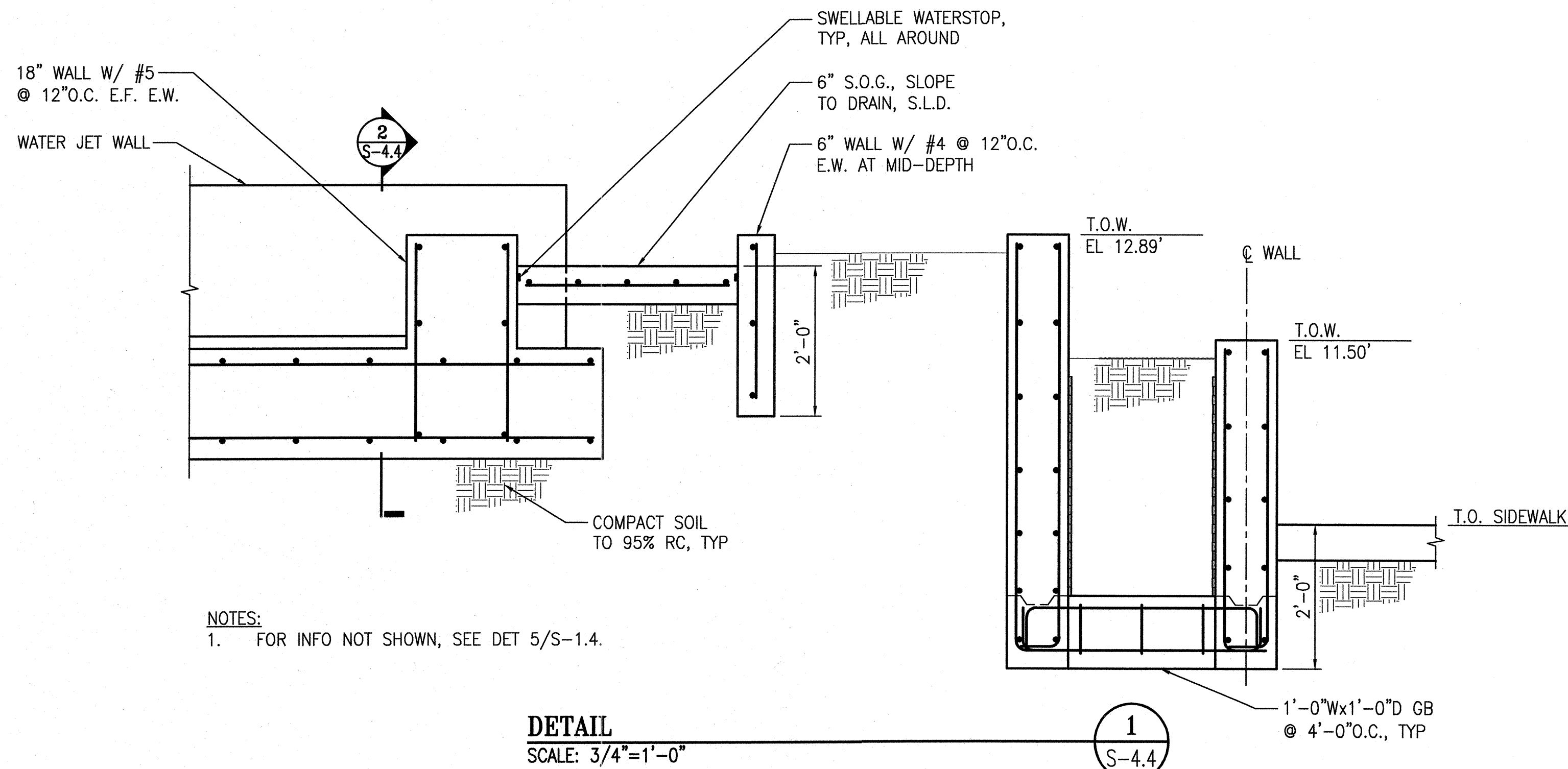
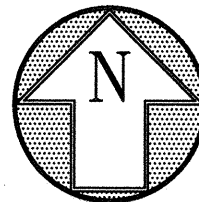
NOTES:
1. ALL NUTS AND WASHERS FOR ANCHOR BOLTS SHALL BE OF HEAVY HEX TYPE.

NOTES:

- FOR ELEVATIONS NOT SHOWN, SEE LANDSCAPE ARCHITECTURAL DRAWINGS.
- FOR CONNECTION OF WATER JET WALLS TO CONCRETE FOUNDATION, REFER TO MANUFACTURER'S INSTRUCTIONS.

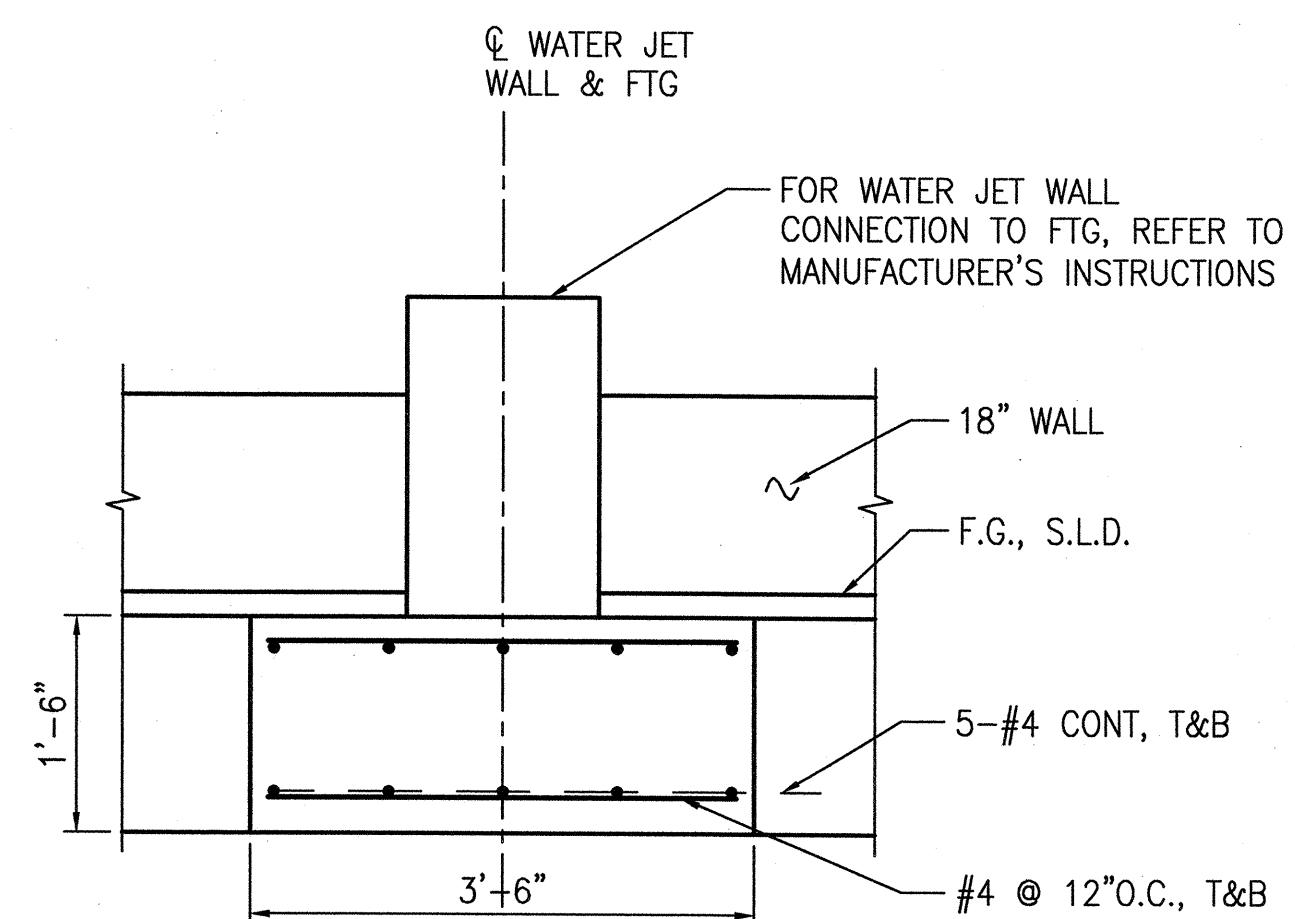


WATER JET PLAN
SCALE: 1/4"=1'-0"

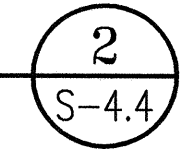


- NOTES:**
- FOR INFO NOT SHOWN, SEE DET 5/S-1.4.

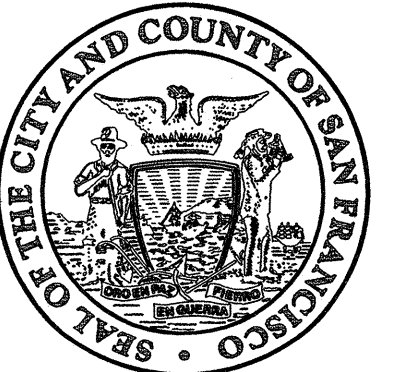
DETAIL
SCALE: 3/4"=1'-0"



DETAIL
SCALE: 3/4"=1'-0"



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CITY AND COUNTY OF SAN FRANCISCO

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Issue _____

100% BID SET

Approvals _____ 07/15

SECTION MANAGER	DRAWN	DATE
<i>St. For Ray Liu</i>	WL	JUL 2015
DESIGN MANAGER	DESIGNED	DATE
<i>John Kim 7/15/15</i>	WL	JUL 2015
PROJECT MANAGER	CHECKED	DATE
<i>Willie Kim 7/15/15</i>	SC	JUL 2015

NO.	DATE	DESCRIPTION	BY	APPRD.
REVISIONS				

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Drawing Title _____

**WATER JET
PLAN & DETAILS**

Sheet No. _____

S-4.4

Scale NONE

Job No. **3054V**



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Issue _____

100% BID SET

Approvals _____ 07/15

SECTION MANAGER <i>[Signature]</i> 07/23/15	DRAWN MAC JULY 2015
SECURITY DIVISION MANAGER <i>[Signature]</i> 7/23/15	DESIGNED MAC JULY 2015
OFFICIAL MANAGER <i>[Signature]</i> 7/23/15	CHECKED MC JULY 2015

NO.	DATE	DESCRIPTION	BY	APPR'D

Stamp _____



Drawing Title _____

ABBREVIATIONS, MECHANICAL
DRAWING INDEX, AND NOTES

Sheet No. **M-0.1**

Scale _____
Job No. **3054V**

ABBREVIATIONS				NOTES		DRAWING INDEX	
ABBR	DESCRIPTION	ABBR	DESCRIPTION	GENERAL NOTES		MECHANICAL	
ALT	ALTERNATE	MH	MANHOLE	<ol style="list-style-type: none"> PERFORM WORK AND CONFORM TO APPLICABLE CODES AND ORDINANCES OF GOVERNMENTAL AGENCIES HAVING JURISDICTION OVER THE PROJECT INCLUDING REQUIREMENTS OF THE SAN FRANCISCO PUBLIC UTILITIES COMMISSION FOR "SAN FRANCISCO'S WATER EFFICIENT IRRIGATION REQUIREMENTS". PROTECT EXISTING UTILITIES, IMPROVEMENTS, AND STRUCTURES WHETHER SHOWN ON THE DRAWINGS OR NOT, AND RESTORE TO NEW CONDITION AT NO ADDITIONAL COST TO THE CITY, IF DAMAGED DURING THE COURSE OF WORK. COORDINATE WORK TO PREVENT CONFLICTS BETWEEN TRADES AND REPORT CONFLICTS BETWEEN NEW IMPROVEMENTS AND EXISTING FACILITIES TO THE ENGINEER IMMEDIATELY. CLEAR AND REMOVE ORGANIC MATTER, DEBRIS, AND RUBBISH FROM WITHIN THE LIMIT OF WORK. SEE SPECIFICATIONS AND DEMOLITION NOTES FOR STOCKPILING AND DISPOSAL. INSPECT THE SITE WITH THE ENGINEER AND MARK ALL IRRIGATION HEADS TO BE RELOCATED WITHIN THE AREA TO RECEIVE WORK. RELOCATE UNMARKED IRRIGATION HEADS ENCOUNTERED WITHIN THE AREA TO RECEIVE WORK DURING THE COURSE OF THE WORK AT NO EXPENSE TO THE CITY. PROTECT EXISTING TREES AND VEGETATION WHICH ARE TO REMAIN. PREVENT FROM DAMAGE DUE TO CONSTRUCTION. REFER TO LANDSCAPE DWGS AND THE SPECIFICATIONS. 	M-0.1	ABBREVIATIONS, DRAWING INDEX, AND NOTES	
BOP	BOTTOM OF PIPE	MIN.	MINIMUM		M-0.2	MECHANICAL LEGEND	
BFP	BACKFLOW PREVENTER	MIPT	MALE IRON PIPE THREAD		M-0.3	EQUIPMENT SCHEDULE	
CB	CATCH BASIN	(N)	NEW		M-1.0	IRRIGATION WATER SUPPLY/STORAGE TANK SYSTEM - SITE PLAN	
CCSF	CITY & COUNTY OF SAN FRANCISCO	N.C.	NORMALLY CLOSED		M-1.1	SANITARY SEWER - SITE PLAN	
CL	CENTER LINE	NEC	NATIONAL ELECTRICAL CODE		M-2.0	MECHANICAL DETAILS 1 OF 3	
CI	CAST IRON	NIC	NOT IN CONTRACT	M-2.1	MECHANICAL DETAILS 2 OF 3		
CO	CLEANOUT	N.O.	NORMALLY OPEN	M-2.2	MECHANICAL DETAILS 3 OF 3		
COTG	CLEANOUT TO GRADE	NO.	NUMBER	<p style="text-align: center;">DEMOLITION NOTES</p> <ol style="list-style-type: none"> DISPOSE OF NATIVE SOIL, ASPHALT PAVING, CONCRETE FOOTINGS, THRUST BLOCKS, DEBRIS AND RUBBISH AS THE CONTRACTOR'S OWN PROPERTY AND IN A LEGAL MANNER. SAW CUT EDGES AT EXISTING PAVING: STRAIGHT, CLEAN AND TO A FULL DEPTH. REMOVE AND SALVAGE ALL QUICK COUPLERS, SPRINKLERS, REMOTE CONTROL VALVES, VALVE BOXES ON ALL LINES SHOWN TO BE REMOVED OR IN AREA OF (N) WORK. REMOVE RISER PIPE TO 12 INCHES BELOW EXISTING FINISHED GRADE FOR LINES CALLED OUT TO BE ABANDONED-IN-PLACE. DELIVER ALL ITEMS TO BE SALVAGED TO THE SAN FRANCISCO RECREATION AND PARK DEPARTMENT OR AS DIRECTED BY THE ENGINEER. <p style="text-align: center;">LAYOUT NOTES</p> <ol style="list-style-type: none"> VERIFY DIMENSIONS IN THE FIELD PRIOR TO BEGINNING CONSTRUCTION AND REPORT AND DISCREPANCIES TO THE ENGINEER. WRITTEN DIMENSIONS SUPERCEDE SCALED DIMENSIONS PROCEEDING. MEASURE DIMENSIONS HORIZONTALLY. STAKE IRRIGATION SYSTEM AND PIPE ROUTING FOR REVIEW BY THE ENGINEER BEFORE PROCEEDING WITH TRENCHING. <p style="text-align: center;">RESTORATION OF LANDSCAPE AREA</p> <p>SEE NOTES ON LANDSCAPE DRAWINGS.</p> <p style="text-align: center;">GRADING NOTES</p> <ol style="list-style-type: none"> VERIFY GRADES IN THE FIELD BEFORE PROCEEDING WITH WORK, INCLUDING EXISTING IMPROVEMENTS. EXISTING GRADES SHOWN ARE APPROXIMATE. FIELD VERIFY AND REPORT DISCREPANCIES TO THE ENGINEER IMMEDIATELY. PROVIDE SURFACE DRAINAGE IN PAVING AND PLANTING AREAS. FINISH GROUND SURFACES TO UNIFORM GRADE, DRAINING PROPERLY AND FREE OF STANDING WATER. PROVIDE A SMOOTH TRANSITION BETWEEN EXISTING AND NEW GRADES IN PLANTING AREAS. WHERE NEW PAVEMENT ABUTS EXISTING PAVEMENT, FINISH GRADES ARE FLUSH UNLESS OTHERWISE NOTED. EASE TOP AND TOE OF SLOPES TO PROVIDE SMOOTH TRANSITIONS BETWEEN GROUND PLANES. THE ENGINEER RESERVES THE RIGHT TO MAKE ADJUSTMENTS IN THE FINISH GRADES AS THE WORK PROGRESSES. ELEVATIONS ARE BASED ON CITY AND COUNTY OF SAN FRANCISCO DATUM, UNLESS OTHERWISE INDICATED. 			
CU	CUBIC	NPT	NATIONAL PIPE THREAD				
DCW	DOMESTIC COLD WATER	NTS	NOT TO SCALE				
DI	DUCTILE IRON	POC	POINT OF CONNECTION				
DIA.	DIAMETER	PRV	PRESSURE REDUCING VALVE				
DIP	DUCTILE IRON PIPE	PSI	POUNDS PER SQUARE INCH				
DW	DOMESTIC WATER	PVC	POLY-VINYLCHLORIDE (PIPE)				
DWG	DRAWING	QCV	QUICK COUPLING VALVE				
DPW	DEPARTMENT OF PUBLIC WORKS	R/C	REMOVE AS CONTRACTOR'S PROPERTY				
(E)	EXISTING	R/S	REMOVE AND SALVAGE				
EL	ELEVATION	RCV	REMOTE CONTROL VALVE				
ELL	ELBOW	REF.	REFERENCE				
EQPT	EQUIPMENT	REQ'D	REQUIRED				
FAVT	FRESH AIR VENT TRAP	RPBP	REDUCED PRESSURE BACKFLOW PREVENTER				
F/I	FURNISH AND INSTALL	RPM	REVOLUTIONS PER MINUTE				
FIPT	FEMALE IRON PIPE THREAD	RW	RECLAIMED WATER				
G.I.	GALVANIZED IRON	SCH	SCHEDULE				
GPM	GALLONS PER MINUTE	SD	STORM DRAIN				
GS	GALVANIZED STEEL	SF	SQUARE FOOT				
HP	HORSEPOWER	SFRPD	SAN FRANCISCO RECREATION AND PARK DEPARTMENT				
HR	HOUR	SFWD	SAN FRANCISCO WATER DEPARTMENT				
HT	HEIGHT	SPECS	SPECIFICATIONS				
IN.	INCHES	STD	STANDARD				
IN/HR	INCHES/HOUR	TYP	TYPICAL				
INV	INVERT	TOP	TOP OF PIPE				
IPS	IRON PIPE SIZE	VAC	VOLTS ALTERNATING CURRENT				
IPT	IRON PIPE THREAD	VCP	VITRIFIED CLAY PIPE				
LBS.	POUNDS	YD	YARD				

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Issue _____

100% BID SET

Approvals _____ 07/15

SECTION MANAGER <i>[Signature]</i> 07/16/15	DRAWN MAC	JULY 2015
DEPUTY DIVISION MANAGER <i>[Signature]</i> 7/20/15	DESIGNED MAC	JULY 2015
DIVISION MANAGER <i>[Signature]</i> 7/20/15	CHECKED MC	JULY 2015

NO.	DATE	DESCRIPTION	BY	APPR'D.

Stamp _____



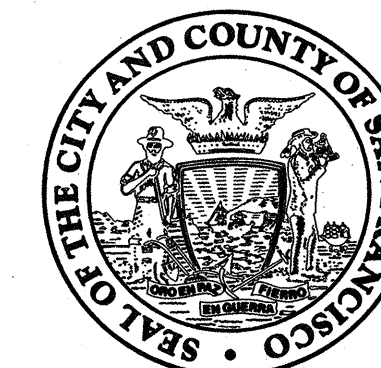
Drawing Title _____

MECHANICAL LEGEND

Sheet No. M-0.2

Scale _____
Job No. 3054V

LEGEND			LEGEND		
SYMBOL	DESCRIPTION	DETAIL NO.	SYMBOL	DESCRIPTION	DETAIL NO.
	PRESSURE REGULATING REMOTE CONTROL VALVE AND VALVE BOX/MASTER REMOTE CONTROL VALVE AND VALVE BOX			LATERAL LINE PIPE (DOWNSTREAM OF REMOTE CONTROL VALVE):	
	COMBINATION AIR VALVE (1" FIPT) AND VALVE BOX			PVC SCHEDULE 40 PLASTIC PIPE WITH SCHEDULE 40 PVC SOLVENT WELD FITTINGS. COVER: 24 INCHES UNLESS OTHERWISE NOTED.	
	FLOW SENSOR			NOTE: PVC PLASTIC PIPE: PURPLE MOLDED PLASTIC PIPE AND FITTINGS - NO PAINTED/STAINED PURPLE PIPE.	
	TWO-PIECE QUICK COUPLING VALVE (1 INCH FIPT)	SEE LANDSCAPE DWGS		SLEEVING: COVER TO BE AS INDICATED IN SPECIFICATIONS OR AS INDICATED ABOVE FOR PIPE DEPTH OF COVER. NO SLEEVING REQUIRED FOR DUCTILE IRON PIPE.	
	TWO-PIECE QUICK COUPLING VALVE AND CONCRETE BLOCK			(E) PIPING - MAINLINE AND LATERAL	
	GATE VALVE (FIPT CONNECTIONS - 3 INCH AND SMALLER; PUSH-ON GASKETED OR FLANGED CONNECTIONS 4 INCH AND LARGER) AND VALVE BOX. VALVE SHALL BE LINE SIZE.			BACKFLOW PREVENTER	
	PIPE REDUCER			BOOSTER PUMP	
	MAIN LINE PIPE (UPSTREAM OF REMOTE CONTROL VALVE):			FRESH AIR VENT TRAP	
	4 INCH DIA. AND LARGER: DUCTILE IRON PIPE WITH DUCTILE IRON PUSH-ON GASKETED OR FLANGED ENDS UNLESS DIRECTED BY THE ENGINEER. REFER TO PLAN DWGS AND SPECS FOR PIPE TYPE. MINIMUM COVER TO BE 30 INCHES.			CATCH BASIN	
	3 INCH DIA. AND SMALLER (UPSTREAM OF REMOTE CONTROL VALVE):				
	GALVANIZED STEEL PIPE WITH THREADED (NPT) OR FLANGED ENDS AND FITTINGS OR COPPER TUBING AND FITTINGS. MINIMUM COVER TO BE 30 INCHES.				



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Drawing Title _____

EQUIPMENT SCHEDULE

Sheet No. **M-0.3**

Job No. **3054V**

IRRIGATION BOOSTER PUMP SCHEDULE

SERVICE	CAPACITY		MOTOR			TYPE	INLET X DISCHARGE (IN)	MANUFACTURER AND MODEL NO.	REF. DWG #	REMARKS
	FLOW GPM	HEAD FT. WATER	HP	VOLT	PHASE					
SUBSURFACE IRRIGATION	20	100	1	110	1	GROUND LEVEL BOOSTER PUMP	2 X 1-1/2	RAIN BIRD LC1000 OR APPROVED EQUAL	M-1.0	①②③

① PUMP START RELAY SHUTDOWN PROTECTION

② NEMA 4X ENCLOSURE

③ SEE SPECIFICATION 32 82 13 - IRRIGATION BOOSTER PUMP AND TANK PACKAGE FOR DETAILS

VORTEX FILTER SCHEDULE

EQPT TAG	SERVICE	HOUSING DIMENSIONS DIA, HT (IN)	INLET PIPE DIA (IN)	DISCHARGE PIPE DIA (IN)	DRAIN PIPE DIA (IN)	MANUFACTURER AND MODEL NO.	MAX FLOW RATE (GPM)	REMARKS
VTX 1	FOUNTAIN DRAIN	12 3/8, 19	4	4	4	WISY WFF-100	66	①②③

NOTES:

① SHALL BE INSTALLED WITH MINIMUM STRAIGHT RUN OF 40" FROM THE INLET.

② SHALL BE PROVIDED WITH 36" MIN CLEARANCE ABOVE FOR MAINTENANCE.

③ DRAIN INLET AND CLEAN WATER OUTLET SHALL TURN INTO THE REQUIRED DIRECTIONS TO MEET THE RELEVANT PIPES.

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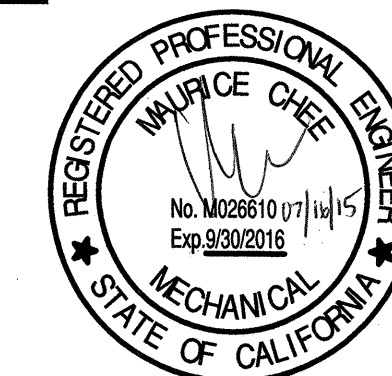
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IRRIGATION WATER SUPPLY/
STORAGE TANK SYSTEM
SITE PLAN

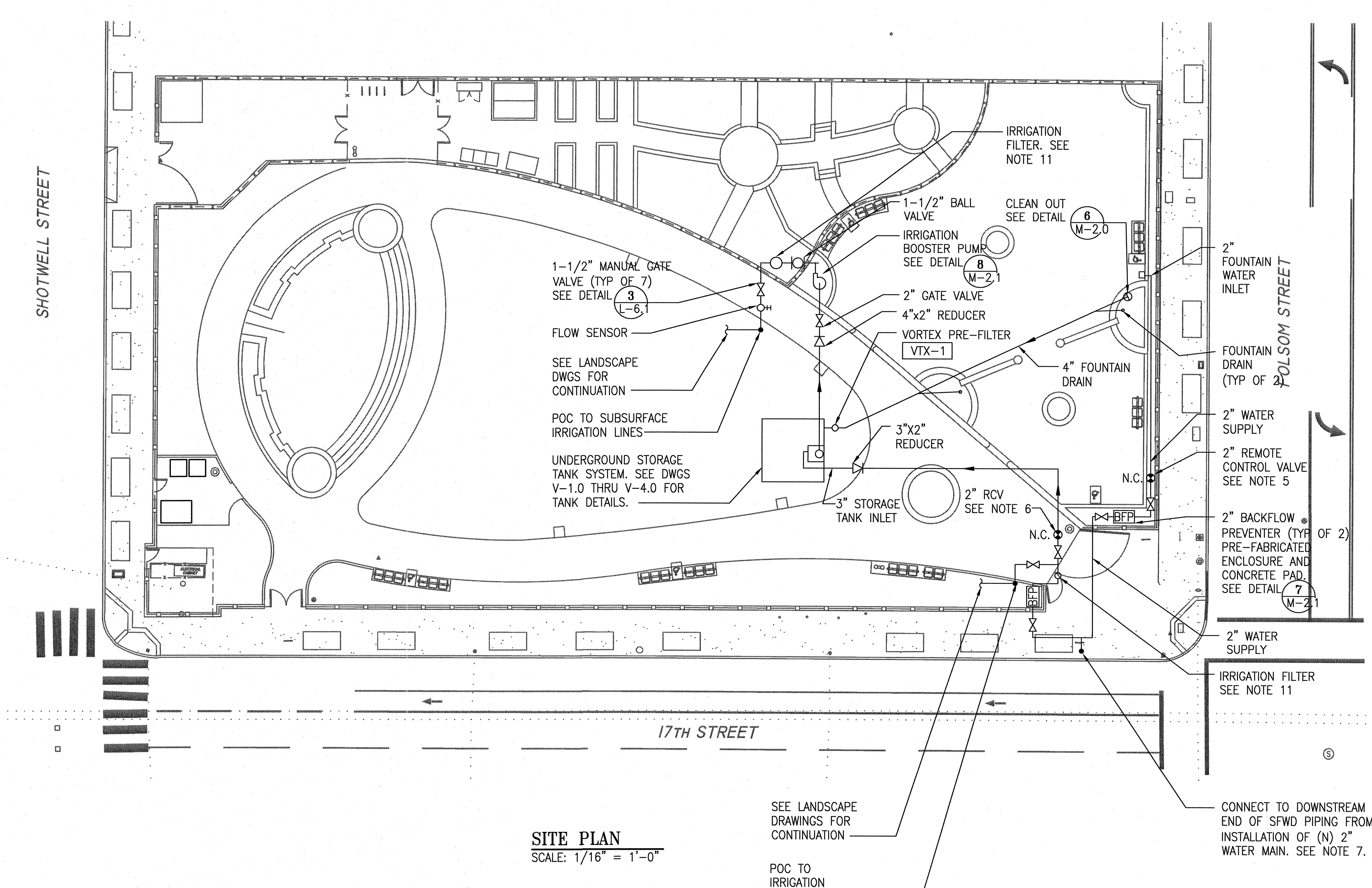
Sheet No. **M-1.0**

Job No. **3054V**

ISSUED FOR REBID R2-NOV. 2015

GENERAL NOTES

- IRRIGATION PIPING/CONDUITS/WIRING SHALL NOT BE INSTALLED WITHIN THE PLAYGROUND AREA UNLESS SHOWN SPECIFICALLY ON THE DRAWINGS.
- REFER TO DWGS M-0.1 AND M-0.2 FOR GENERAL NOTES, LEGEND, AND ABBREVIATIONS.
- NOTE THAT THE REQUIRED CONDUITS/WIRING BETWEEN CONTROLLERS, SENSORS, PUMP AND REMOTE CONTROL VALVES ARE NOT SHOWN ON THE DRAWINGS. CONDUITS SHALL BE INSTALLED IN TRENCHES WITH THE IRRIGATION PIPING AS PER THE SPECIFICATIONS UNLESS APPROVED BY THE ENGINEER.
- THE CONTRACTOR SHALL CONNECT THE BOOSTER PUMP CONTROLS TO THE TWO IRRIGATION CONTROLLERS PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR OPERATING THE BOOSTER PUMP WHENEVER THE IRRIGATION LATERAL STATION ARE IN SERVICE AND WHEN THE PRESSURE DROPS PER AN APPROVED SETPOINT, WHEN THE DEDICATED QC STATION ARE USED IN THE FIELD.
- THE CONTRACTOR SHALL CONNECT THE FOUNTAIN SUPPLY WATER REMOTE CONTROL VALVE TO FOUNTAIN CONTROLLER PROVIDED BY OTHERS. SEE DETAIL 4/L-6.1 FOR REMOTE CONTROL VALVE DETAIL.
- THE CONTRACTOR SHALL CONNECT THE STORAGE TANK SUPPLY WATER REMOTE CONTROL VALVE TO THE STORAGE TANK CONTROLLER PROVIDED BY OTHERS. SEE DETAIL 4/L-6.1 FOR REMOTE CONTROL VALVE DETAIL.
- WHEN INSTALLING PIPE UNDER THE SIDEWALK, THE CONTRACTOR SHALL FOLLOW THE CCSF SFPDW REQUIREMENTS FOR TRENCHING INCLUDING REMOVAL/REPLACING ENTIRE SIDEWALK FLAGS.
- SEE LANDSCAPE DRAWING L-6.0 FOR WATER MAIN LOCATION AND DETAILS. WORK SHALL INCLUDE PAVEMENT DEMOLITION AND RESTORATION PER CITY STANDARDS AS REQUIRED FOR METER AND PIPING INSTALLATION. REFER TO SPECIFICATIONS REGARDING CONTRACTOR RESPONSIBILITIES FOR WATER METER PERMITS AND FEES.
- SEE DRAWINGS V-1.0 THRU V-4.0, PROVIDED BY MANUFACTURER, FOR DESIGN OF UNDERGROUND STORAGE TANK SYSTEM INCLUDING BUT NOT LIMITED TO MODULAR TANK, FILTER, SUMP PUMP, LEVEL SENSORS, AND CONTROLS.
- CONDUIT SHALL BE INSTALLED A MINIMUM OF 30" BELOW FINISHED GRADE. FURNISH AND INSTALL PULL BOXES AND TRACER WIRES PER NEC AND CCSF ELECTRICAL CODES. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMIT COSTS.
- IRRIGATION FILTER SHALL BE 120 MESH. SEE SPECIFICATION 32 84 00 - PLANTING IRRIGATION



SITE PLAN
SCALE: 1/16" = 1'-0"

SEE LANDSCAPE
DRAWINGS FOR
CONTINUATION

POC TO
IRRIGATION
LINES

CONNECT TO DOWNSTREAM
END OF SFDW PIPING FROM
INSTALLATION OF (N) 2"
WATER MAIN. SEE NOTE 7.



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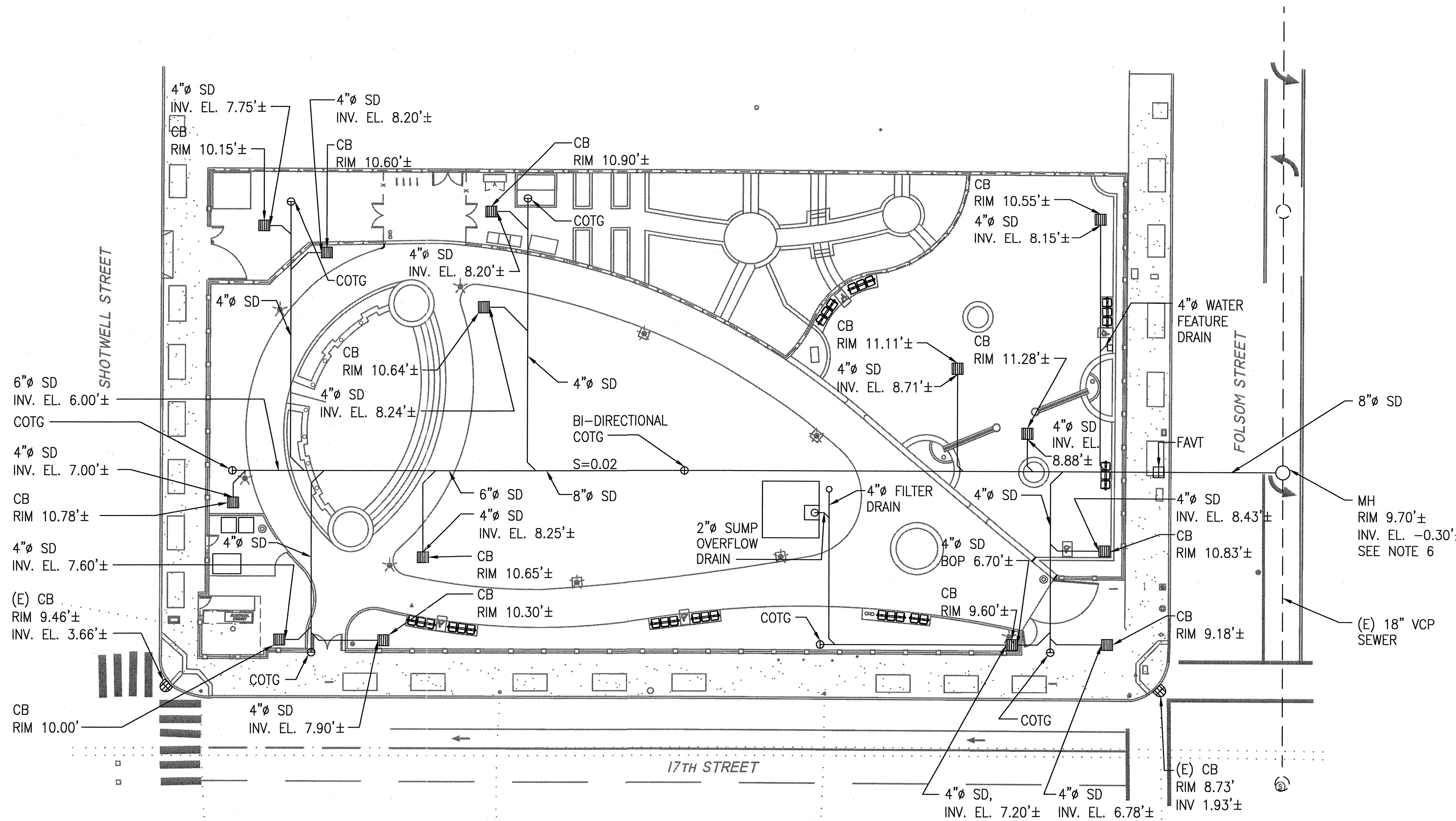
Drawing Title
**SANITARY SEWER
SITE PLAN**

Sheet No. **M-1.1**

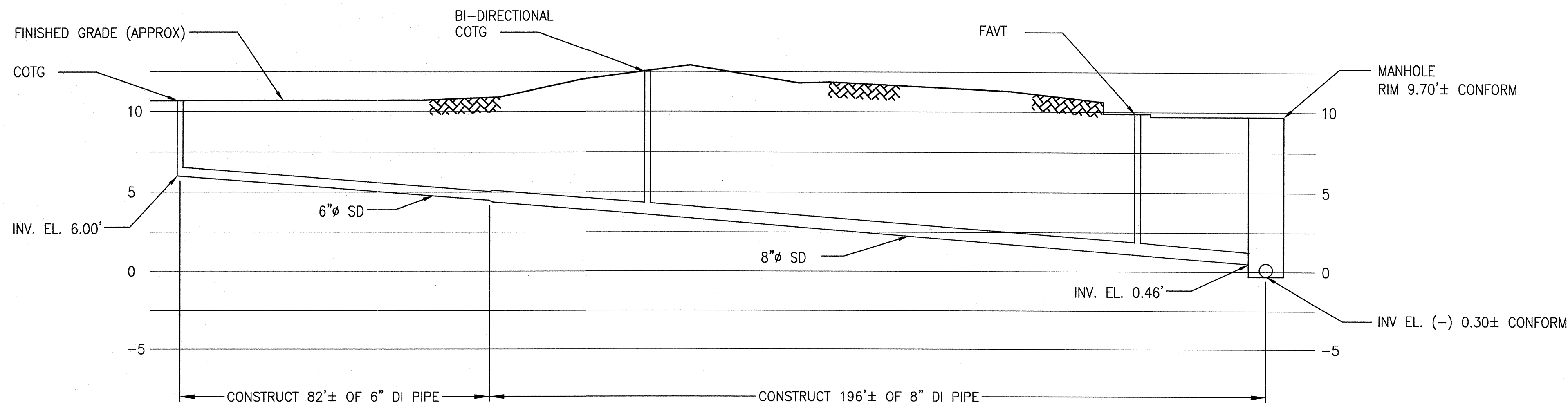
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GENERAL NOTES

- ALL NEW PIPING WITHIN PROPERTY LINE SHALL HAVE A MINIMUM OF 2 FT COVER. BELOW NEW LAWN ELEVATION AND HAVE A MINIMUM SLOPE OF 2%. CONTRACTOR SHALL VERIFY DIMENSIONS IN FIELD PRIOR TO BEGINNING CONSTRUCTION AND REPORT ANY DISCREPANCIES TO THE ENGINEER.
- LOCAL SEWER CLEANOUTS AT MAXIMUM OF EVERY 50- FEET, AT ALL CHANGES OF DIRECTIONS, AND AS REQUIRED BY THE SF PLUMBING CODE. CATCH BASINS QUALIFY AS CLEANOUTS. NOT ALL REQUIRED CLEANOUTS ARE SHOWN.
- REFER TO LANDSCAPE PLAYGROUND DWGS IN THE CONTRACT PACKAGE AND VERIFY IN FIELD FOR EXACT LOCATION/ELEVATION OF CONNECTION POINT FOR DRAIN LINE. SLOPE DRAIN PIPE MINIMUM 1/8" PER FOOT FROM CONNECTION POINT TO NEAREST DOWNSTREAM WYE.
- ALL NEW PIPING SHALL BE DUCTILE IRON PIPING.
- ALL NEW PIPING AND EQUIPMENT SHALL BE NEW UNLESS INDICATED AS EXISTING.
- NEW MANHOLE SHALL BE CONSTRUCTED PER DPW STANDARD DRAWING 87,181
- ALL CATCH BASIN RIM ELEVATIONS SHALL CONFORM TO FINISH GRADE.



NEW WORK PLAN - STORM DRAIN
SCALE: 1" = 20'



PROFILE OF NEW STORM DRAIN LINE TO (N) MANHOLE
SCALE: 1" = 20' X-AXIS, 1" = 5' Y-AXIS

BUILDING DESIGN & CONSTRUCTION



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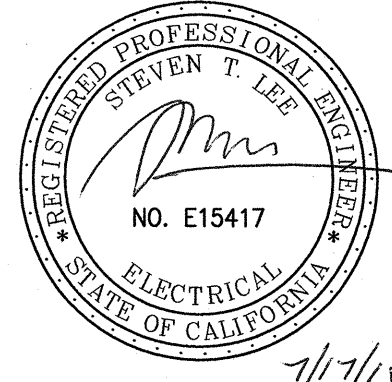
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Drawing Title _____

ELECTRICAL LEGEND, ABBREVIATIONS, AND GENERAL NOTES

Sheet No. _____

E-0.1

Job No. _____ Scale _____
3054V

SYMBOLS

- CONDUIT AND WIRING AS NOTED. SHORT LINES INDICATE NUMBER OF #12 AWG CONDUCTORS. LONG LINE INDICATES #12 NEUTRAL WIRE, AWG, UON. "↓" INDICATES GROUND, #10 INDICATES WIRE SIZE. ALL CONDUIT SHALL BE CONCEALED IN CEILING, WALL OR SLAB WHEREVER POSSIBLE. MINIMUM 3/4" FOR BUILDING INTERIOR.
- HOMERUN TO ELECTRICAL PANELBOARD, CIRCUIT NUMBER IDENTIFIED FOR EACH ARROW.
- EXISTING UNDERGROUND CONDUIT
- GRS UNDERGROUND CONDUIT SHALL BE 1" C, UON.
- R/C (E) CONDUIT WITH WIRING OR AS NOTED.
- INTERCEPT AND CUT EX CONDUIT. COUPLE NEW CONDUIT OF SAME SIZE TO EXISTING AND SPLICE AND MATCH NEW WIRES TO EXISTING WIRES.
- LED LIGHTING FIXTURE. WITH OUTSIDE LAMPS CONTROLLED BY SWITCH 'a' AND CENTER LAMP CONTROLLED BY SWITCH 'b'.
- 14' HIGH POST TOP PEDESTRIAN POLE WITH LED FIXTURE AND CONCRETE FOUNDATION
- POWER PEDESTAL WITH DUAL PG&E METER
- JUNCTION BOX WITH NEOPRENE GASKET
- TYPE 1 CONCRETE PULL BOX WITH BOLT DOWN COVER FOR SITE LIGHTING WORKS.
- EXISTING PULL BOX
- EXISTING PG&E SERVICE PULL BOX
- GROUND ROD-3/4" Ø X10'-0"
- DIGITAL LIGHTING CONTROLLER, REFER
- SHEET NOTE "1" INDICATES NOTE.
- DETAIL REFERENCE, SEE DETAIL '1' ON PLAN E-1.0
- PG&E WATT HOUR METER
- LIGHTING FIXTURE TAG "A" INDICATES FIXTURE TYPE "XX" INDICATES FIXTURE WATTAGE
- DIMMING SWITCH. MOUNTING HEIGHT +42" AFF, UON.
- 3-BUTTON LOW VOLTAGE DIMMER. MOUNTING HEIGHT +42" AFF, UON.
- WHILE IN USE RECEPTACLE, QUADPLEX 20A, 3PG, 125V, GFCI, +18" UON. SEE SPEC FOR PRODUCT SPECIFICATION.
- RECEPTACLE, QUADPLEX 20A, 3PG, 125V, GFCI, +18" UON. WEATHER PROOF, VANDAL AND CORROSION RESISTANT. LOCKABLE AND WHILE-IN-USE, STEEL COVER PER NEC REQUIREMENTS. COLE LIGHTING: TL310-WCS

ABBREVIATIONS

- A AMPERE
- AC ALTERNATING CURRENT
- ADA AMERICANS WITH DISABILITIES ACT
- AFF ABOVE FINISHED FLOOR
- AIC AMPERE INTERRUPTING CAPACITY
- AWG AMERICAN WIRE GAGE
- BSCW BARE STRANDED COPPER WIRE
- C CONDUIT
- C.O. CONDUIT ONLY
- CBC CALIFORNIA BUILDING CODE
- CKT CIRCUIT
- DLC DIGITAL LIGHTING CONTROLLER
- DWG DRAWING
- (E) EXISTING
- ELECT ELECTRICAL
- F/I FURNISH & INSTALL UNDER THIS CONTRACT
- G, GND GROUND
- GFCI GROUND FAULT CIRCUIT INTERRUPTER
- GRS GALVANIZED RIGID STEEL (CONDUIT)
- HZ HERTZ
- JB JUNCTION BOX
- KVA KILO VOLT AMPERE
- LTG LIGHTING
- M MOTOR
- MLO MAIN LUGS ONLY
- MSBD MAIN SWITCHBOARD
- (N) NEW
- NEC NATIONAL ELECTRICAL CODE
- NFPA NATIONAL FIRE PROTECTION AGENCY
- NTS NOT TO SCALE
- PGE, PG&E PACIFIC GAS AND ELECTRIC COMPANY
- PNL PANEL
- PWR POWER
- REC/RCPT RECEPTACLE
- S/N SOLID NEUTRAL
- SPDPWSF STANDARD PLAN DEPARTMENT OF PUBLIC WORKS CITY AND COUNTY OF SAN FRANCISCO
- SWBD SWITCHBOARD
- TEL TELEPHONE
- TYP TYPICAL
- U/G UNDERGROUND
- UL UNDERWRITERS LABORATORIES
- UON UNLESS OTHERWISE NOTED
- V VOLTS
- W/O WITHOUT
- WP WEATHERPROOF
- XFMR TRANSFORMER (POWER DISTRIBUTION)
- R/C REMOVE FROM SITE OF WORK AS CONTRACTOR'S PROPERTY.
- R/S REMOVE AND SALVAGE AS CITY'S PROPERTY. RETURN TO OWNER

GENERAL NOTES

1. THESE PLANS ARE DIAGRAMMATIC AND ARE CORRECT FOR GENERAL DESIGN ONLY. EXACT LOCATIONS TO BE COORDINATED IN THE FIELD WITH ARCHITECTURAL AND MECHANICAL DRAWINGS TO AVOID ANY CONFLICT. CONFLICT TO BE CORRECTED AT NO ADDITIONAL COST TO THE CITY.
2. ALL WIRING SHALL BE COPPER AND SHALL BE INSTALLED IN CONDUIT. CONDUIT SIZE SHALL BE ACCORDING TO CODE. MINIMUM CONDUIT SIZE IS 3/4". ALL CONDUITS AND JUNCTION BOXES SHALL BE CONCEALED IN FURRED SPACES, CONCRETE WALLS / FLOORS, OR ABOVE ACOUSTIC CEILING, U.O.N. ALL JUNCTION BOXES SHALL BE ACCESSIBLE.
3. THIS IS A GENERAL LEGEND. NOT ALL SYMBOLS ARE USED.
4. LIGHTING AND RECEPTACLE SYSTEM - CONTRACTOR SHALL PROVIDE AND INSTALL ALL NECESSARY CONDUITS, FITTINGS, JUNCTION BOXES AND ALL NECESSARY COMPONENTS SHOWN OR NOT SHOWN ON THE DRAWINGS TO MAKE ELECTRICAL INSTALLATION COMPLETE AND OPERATIONAL TO MEET ALL CODES REQUIREMENTS.
5. ALL OUTDOOR AND ANTICIPATED WET AREA SHALL HAVE GFCI OUTLETS. ALL OUTDOOR DEVICES SHALL HAVE WET WEATHERPROOF VANDAL RESISTANT METALIC LOCKABLE COVERS WHILE IN USE.
6. PROVIDE UL LISTED FIRE RATED SEALS FOR ALL CONDUIT AND RACEWAY PENETRATIONS THROUGH FIRE RATED WALLS AND FLOORS. SEALED AND MAINTAIN FIRE SEPARATION RATING.
7. ALL PANEL CIRCUIT DIRECTORIES SHALL BE UPDATED IN ACCORDANCE WITH THE LATEST CIRCUITRY INCLUDING ACTUAL ROOM NUMBER WHERE LOAD IS LOCATED. DIRECTORIES SHALL BE TYPEWRITTEN.
8. PROVIDE SEPARATE GROUND WIRE IN ALL CONDUITS.
9. ALL ELECTRICAL EQUIPMENT, PANELBOARDS, CONTROL DEVICES, SHALL BE IDENTIFIED WITH ENGRAVED NAMEPLATES.
10. CONTRACTOR SHALL LABEL EACH NEW ELECTRICAL OUTLET WITH PERMANENT FELT-TIP MARKER, SHOWING PANEL NUMBER AND CIRCUIT BREAKER NUMBER FEEDING THE CIRCUIT ON THE BACK OF COVER PLATE OF THE CONVENIENCE OUTLET AND LIGHT SWITCH.
11. ALL WIRING INSIDE PULL BOXES SHALL BE TAGGED TO IDENTIFY THE CIRCUIT (BOTH PANEL AND CIRCUIT NO.) EACH BUNDLE OF WIRING RUNNING IN EACH CONDUIT SHALL BE TIE-WRAPPED SO THAT THEY REMAIN IN INDIVIDUAL GROUPINGS.
12. ALL EXPOSED CONDUIT SHALL RUN AS HIGH AS POSSIBLE AND AVOID INTERFERENCE AND EQUIPMENT FRAME STRUCTURE, CEILING INSERTS AND MECHANICAL DUCT WORK.
13. ALL PENETRATION THROUGH CONCRETE WALL SHALL BE CORE DRILLED AND GROUTED AROUND CONDUIT AFTER CONDUIT INSTALLATION. USE RIGID STEEL CONDUIT ONLY.
14. ALL ELECTRICAL EQUIPMENT, ELECTRICAL SUPPORTS, CONDUIT AND FITTINGS, AND LIGHTING FIXTURES SHALL BE BRACED ACCORDING TO SMACNA DETAILS, AND PER IBC/CBC SEISMIC MOUNTING REQUIREMENTS AND PER CALIFORNIA TITLE 24 AND LOCAL JURISDICTION. PROVIDE ALL AT NO ADDITIONAL COST TO THE CITY.
15. THERE SHALL BE NO MORE THAN THREE CIRCUIT HOME RUNS IN EACH CONDUIT. U.O.N.
16. PAINT ALL BLANK COVER PLATES AND EXPOSED CONDUIT TO MATCH WALL OR CEILING.
17. THERE SHALL BE NO MORE THAN 270° CONDUIT TURN IN EACH CONDUIT RUN.
18. ALL ELECTRICAL DEVICES SHALL BE UL LISTED WHERE APPLICABLE.
19. INSTALL A NYLON PULLING ROPE AND END PLUGS WITH PULL TAB IN ALL EMPTY CONDUITS.
20. PRIOR TO SUBMISSION OF BID, VISIT THE SITE AND BECOME FAMILIAR WITH ALL EXISTING CONDITIONS. NO EXTRA COST WILL BE ALLOWED FOR WORK RESULTING FROM LACK OF PROPER APPRAISAL OF EXISTING CONDITIONS.
21. WHERE EXISTING CONDUIT IS TO BE ABANDONED, THE CONDUIT SHALL BE REMOVED IF IT IS EXPOSED. WHERE IT IS IMPOSSIBLE TO REMOVE THE CONDUIT, IT SHALL BE CUT BELOW 3" FROM FLOOR/WALL OR CEILING AND CAPPED OR PLUGGED.
22. EXAMINE ARCHITECTURAL, STRUCTURAL AND MECHANICAL DRAWINGS AND SPECIFICATIONS TO DETERMINE ANY CONFLICT AND THE SEQUENCE OF CONSTRUCTION THROUGH OUT THE PROJECT, INCLUDING EXISTING, TEMPORARY REMODELED AND NEW AREAS, WHERE APPLICABLE.
23. GROUT AROUND CONDUIT TIE-INS. WHERE CONDUIT ENTERS BUILDINGS, SEAL OPENINGS WITH APPROVED DUCT SEAL TO PREVENT CIRCULATION OF AIR OR MOISTURE.

24. USE SPLIT BOLT CONNECTORS FOR COPPER CONDUCTOR SPLICES AND TAPS, 6 AWG AND LARGER. TAPE UNINSULATED CONDUCTORS AND CONNECTOR WITH ELECTRICAL TAPE TO 150 PERCENT OF INSULATION RATING OF CONDUCTOR. SPLIT BOLT TYPE SPLICING DEVICES (i.e. KEARNIES) SHALL BE COPPER PER DPW STANDARD PLAN APRIL 2007 DWG. NO. 87,204.
25. PULL BOXES NOT IN CONCRETE OR PAVED AREA. CONTRACTOR TO PROVIDE 4" OF CONCRETE AROUND THE BOX FOR MAINTENANCE. PROVIDE AT LEAST 8" BEDROCK OF DRAINAGE GRAVEL AND CONDUIT SHALL EXTEND AT LEAST 6" ABOVE THE BEDROCK.
26. EMT FITTINGS SHALL BE STEEL SET SCREW WHEN INDOOR, COMPRESSION FITTING WHEN OUTDOOR.
27. CONDUITLET SHALL BE WITH CLIP COVERS, CROUSE-HIND FORM 7 OR APPLETON.
28. EXPOSED CONDUIT SHALL BE STRAP NOT EXCEEDING 5 FEET INTERVAL.
29. NO METAL CLAD CABLE SHALL BE USED.
30. ALL LIGHTING FIXTURE SHALL BE UL LISTED.
31. ALL PULLBOXES SHALL HAVE BOLT DOWN GALVANIZED STEEL SLIP RESISTANT COVERS.
32. ALL WORK DONE BY DESIGN-BUILT CONTRACTOR TO BE SIGNED AND STAMPED BY AN APPROVED CA. LICENSE ENGINEER.

DEMOLITION NOTES

1. CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANIES (i.e. PG&E, SBC, DPT, etc) FOR ALL EXISTING OVERHEAD/UNDERGROUND UTILITIES THAT NEED TO BE DISCONNECTED, REMOVED, REROUTED AND RECONNECTED.
2. THE CONTRACTOR SHALL EMPLOY QUALIFIED AND EXPERIENCED WORKMEN FOR THIS WORK. ALL RESTORATION WORK SHALL BE SUBJECT TO THE APPROVAL OF THE ARCHITECT AND/OR THE OWNER.
3. ALL TEMPORARY AND REMODELED WORK SHALL BE CONSIDERED AS PART OF THIS CONTRACT AND NO EXTRA CHARGES WILL BE ALLOWED. THIS SHALL INCLUDE MINOR ITEMS OF MATERIAL OR EQUIPMENT NECESSARY TO MEET THE REQUIREMENTS AND INTENT OF THE PROJECT.
4. ALL ELECTRICAL CONNECTIONS REQUIRING AN OUTAGE SHALL BE MADE DURING AN APPROVED TIME LIMIT. CHANGEOVERS SHALL BE AS SHORT A DURATION AS POSSIBLE AND SHALL NOT INTERFERE WITH NORMAL OPERATION OF THE OWNER'S FACILITIES. NOTICE SHALL BE REQUIRED IN ADVANCE OF A SHUTDOWN OF ANY ELECTRICAL CIRCUIT FOR CHANGEOVER AND SUCH A CHANGEOVER SHALL BE DONE DURING HOURS AS DIRECTED BY THE OWNER. WORK SHALL BE SCHEDULED SO THAT AT NO TIME WILL ANY EMERGENCY FEEDER, CIRCUIT OR FIRE ALARM ZONE BE OUT OF SERVICE. PROVIDE NECESSARY TEMPORARY FEEDERS TO ACCOMPLISH THIS REQUIREMENT.
5. TEST ALL SYSTEMS AFFECTED BY THIS PROJECT WHEN COMPLETED TO ASSURE ALL NEW AND EXISTING DEVICES ARE IN OPERABLE CONDITION.
6. ALL DEVICES BROKEN DURING DEMOLITION MUST BE REPLACED TO MATCH WITH THE EXISTING DEVICES.
7. CONTRACTOR SHALL REFER TO LANDSCAPE DRAWINGS FOR ALL DEMOLITION WORK. REINSTALL ALL EXISTING ELECTRICAL DEVICES, EQUIPMENTS AND FIXTURES AFFECTED BY THESE UPGRADE TO COMPLY WITH CALIFORNIA SEISMIC BRACING.
8. CONTRACTOR TO COORDINATE WITH ENGINEER TO PROVIDE AN ALTERNATE FEASIBLE SOLUTION FOR REVIEW WHEN ENCOUNTERING AN EXISTING CIRCUIT THAT IS TO REMAIN AND RECONNECTED DURING DEMOLITION.

DESIGN BUILT CONTRACTOR FOR PARKING LOT AND PAY STATION SYSTEM SHALL COORDINATE WITH CONTRACTOR, MANUFACTURER AND VENDOR FOR THEIR SPECIFIC DESIGN AND INSTALLATION PRIOR TO CONSTRUCTION.

LOW VOLTAGE CONTRACTOR FOR VORTEX SYSTEM, IRRIGATION CONTROLLER SYSTEM, BOOSTER PUMP SYSTEM AND PUMP START RELAY SHALL COORDINATE AMONG VENDORS TO PROVIDE SPECIFIC DESIGN REQUIREMENTS PRIOR TO INSTALLATION.



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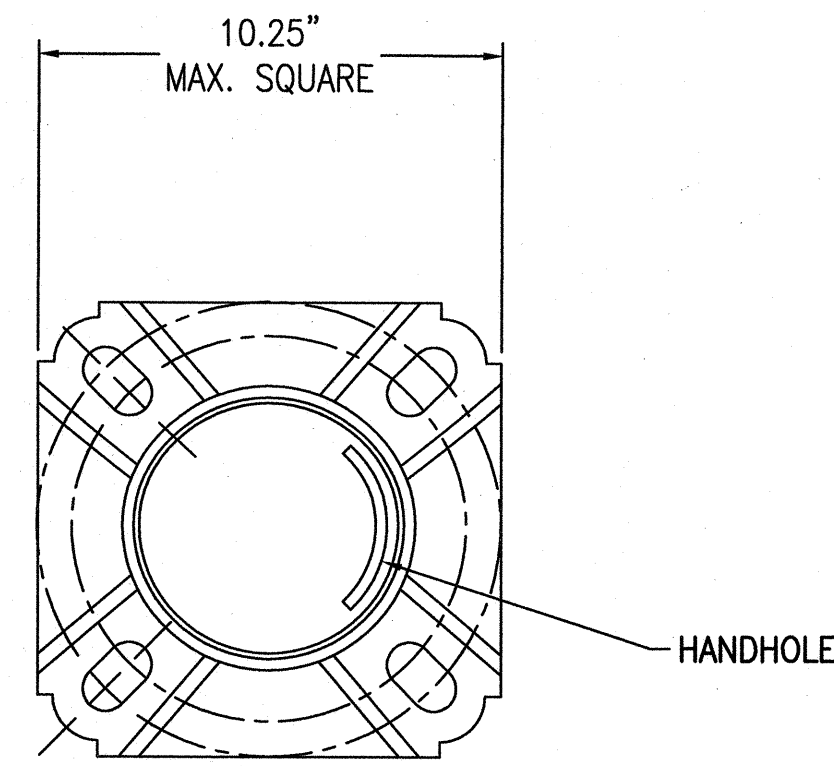
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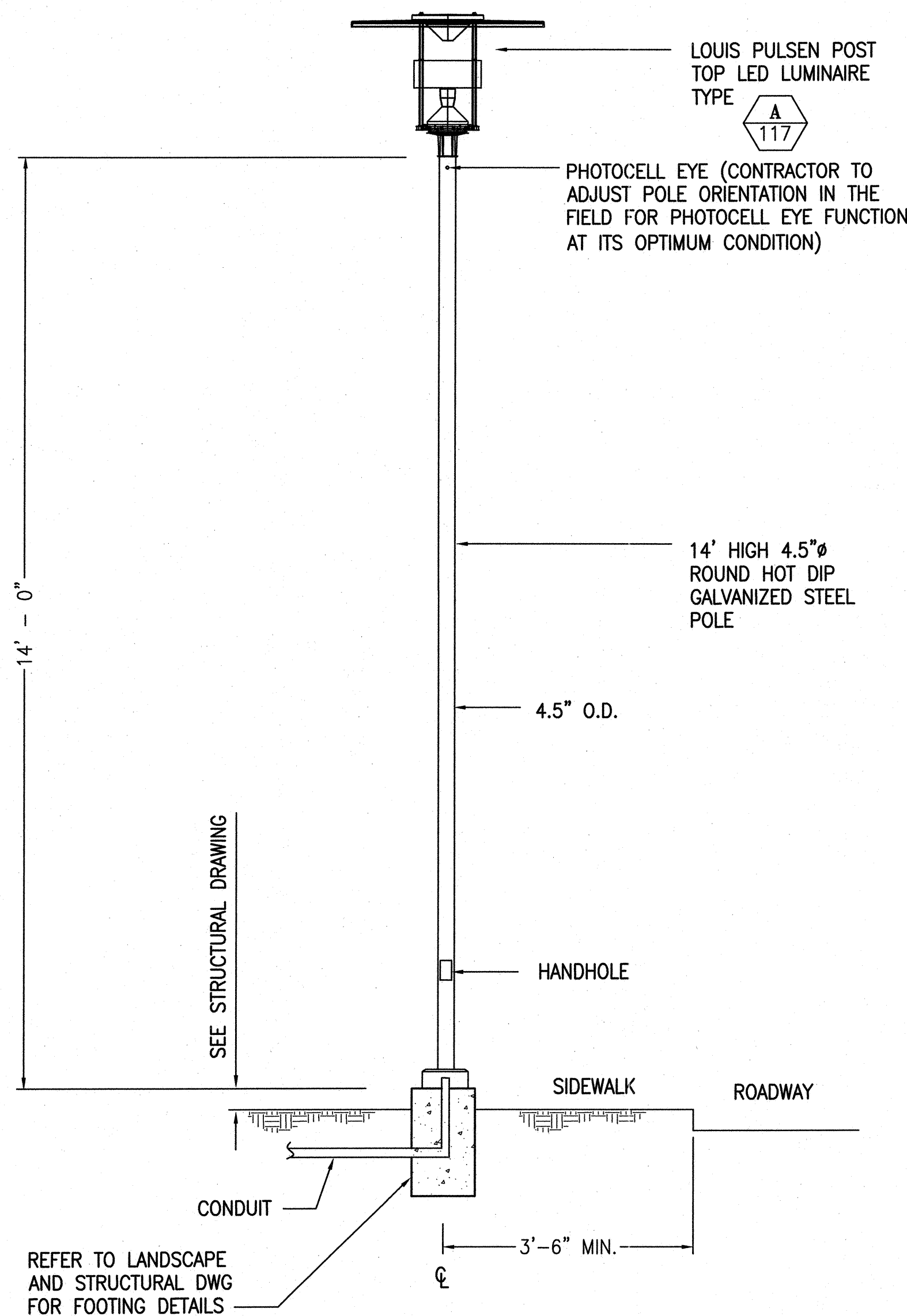
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LIGHTING DETAILS AND FIXTURE SCHEDULE
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Scale
Job No.
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LIGHTING FIXTURE SCHEDULES

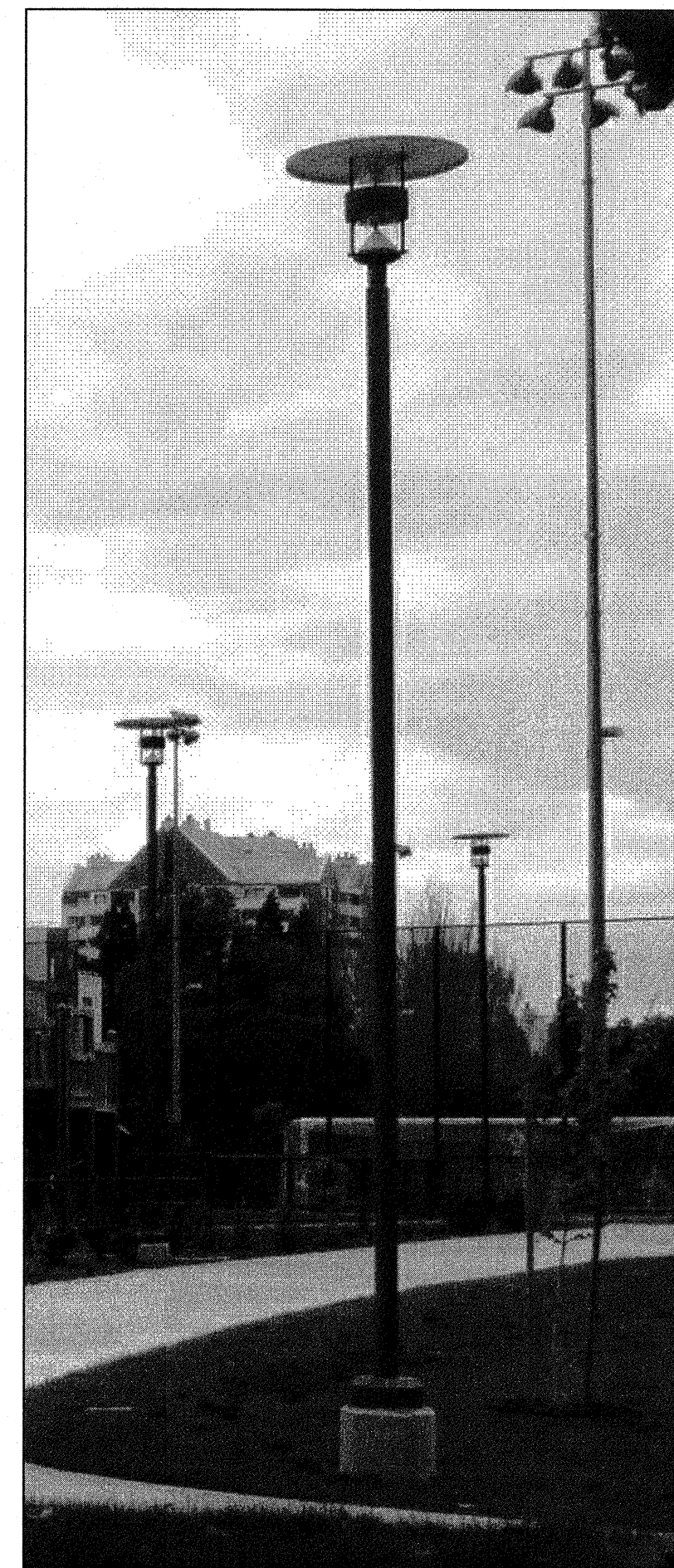
TAG	DESCRIPTION	MANUFACTURER	LAMPS	VOLT	MOUNTING
A 117	<p>FIXTURE: 14' HIGH 117W LED POST TOP FIXTURE WITH PHOTOCELL, FIBER GLASS TOP SHADE, INJECTION MOLDED CLEAR POLYCARBONATE HOUSING, ANTI-GLARE RING, HEAT SINK, 0-10V DIMMABLE DRIVER, 120-277V INPUT, INLINE FUSE, GRAPHITE GRAY COLOR UON WITH ANTI-GRAFFITI COATING, IP66.</p> <p>POLE: 14 FEET HOT DIP GALVANIZED ROUND STRAIGHT STEEL WITH CAST IRON BASE, HAND HOLE, ANCHOR BASE AND BOLTS, RAL FINISH COLOR TO MATCH THE FIXTURE FINISH COLOR WITH ANTI-GRAFFITI COATING. PROVIDE DISSIMILAR METAL CORROSION PROTECTION.</p>	<p>FIXTURE: LOUIS POUlsen: ALBERTSLUND MAXI POST LED CAT# ALB-MAX-PT-117WLED-4000K-120-277V-GRAPHITE GRAY-T-GRAPHITE GRAY-4.5-DM, UON,</p> <p>POLE: NAFCO INTERNATIONAL: ROUND STRAIGHT STEEL LIGHT POLE CAT# RSS14-4545C-GV-GRAPHITE GRAY-4.5"-14', UON,</p> <p>SEE LANDSCAPE AND STRUCTURE DRAWINGS FOR FOOTING DETAIL.</p>	1-117W LED 4000°K	MULTI TAP VOLT	POLE
B 35	<p>5"W X 5"D X 4'L WALL/CEILING MOUNTED 35W, 4000K LED LUMINAIRE WITH STEEL HOUSING, WRAP AROUND ACRYLIC PRISMATIC LENS, POLYESTER POWDER FINISH, SUPER SAVER AND 0-10V DIMMING DRIVER, 120-277V INPUT, FINISH COLOR PER ARCHITECT, WIRE GUARD, UL LISTED FOR DAMP LOCATION.</p>	<p>LSI INDUSTRIES CROSSOVER CAT # W442-LED-SS-NW-UE-DIM-WIRE GUARD OR APPROVED EQUAL</p>	35W LED	MULTI TAP VOLT	WALL/CEILING



ANCHOR PLATE DETAIL 2
SCALE NONE



TYPE L PEDESTRIAN LIGHT DETAIL 1
SCALE NONE



SAMPLE PHOTO 3
SCALE NONE

CHANNEL #	CIRCUIT #	CIRCUIT LOAD (VA)	LOAD DESCRIPTION
a (DIMMING RELAY)	A-3	468	SITE LIGHT (FRONT LAWN)
b (DIMMING RELAY)	A-5	468	SITE LIGHT (STAGE)
c (DIMMING RELAY)	A-3	117	SITE LIGHT (ENTRANCE)
d (DIMMING RELAY)	SPARE		
e (DIMMING RELAY)	SPARE		
f (SWITCHING RELAY)	SPARE		
g (SWITCHING RELAY)	SPARE		
h (SWITCHING RELAY)	SPARE		
TOTAL LOAD		1053 VA	

DIGITAL LIGHTING CONTROLLER "DLC" 4
SCALE NONE

DIGITAL LIGHTING CONTROLLER PANEL (GREEN MAX): DLC
LOCATION: POWER PEDESTAL MOUNTING: SURFACE FEED FROM PANEL "A"
NEMA 1 ENCLOSURE SIZE: 21" H, 22"W, 4"D VOLTAGE: 120V



DEPARTMENT OF PUBLIC WORKS
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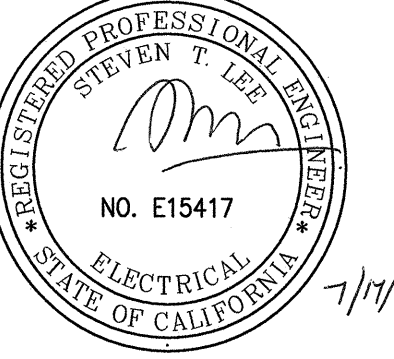
Issue
100% BID SET

Approvals
07/15

SECTION MANAGER <i>Munt</i> 7/15/15	DRAWN ZH JULY 2015
DEPUTY DIVISION MANAGER <i>Shapiro</i> 7/20/15	DESIGNED ZH JULY 2015
DIVISION MANAGER <i>Walters</i> 7/15/15	CHECKED SL JULY 2015

NO.	DATE	DESCRIPTION	BY	APPROV.
REVISIONS				

Stamp



Drawing Title

ELECTRICAL SITE PLAN

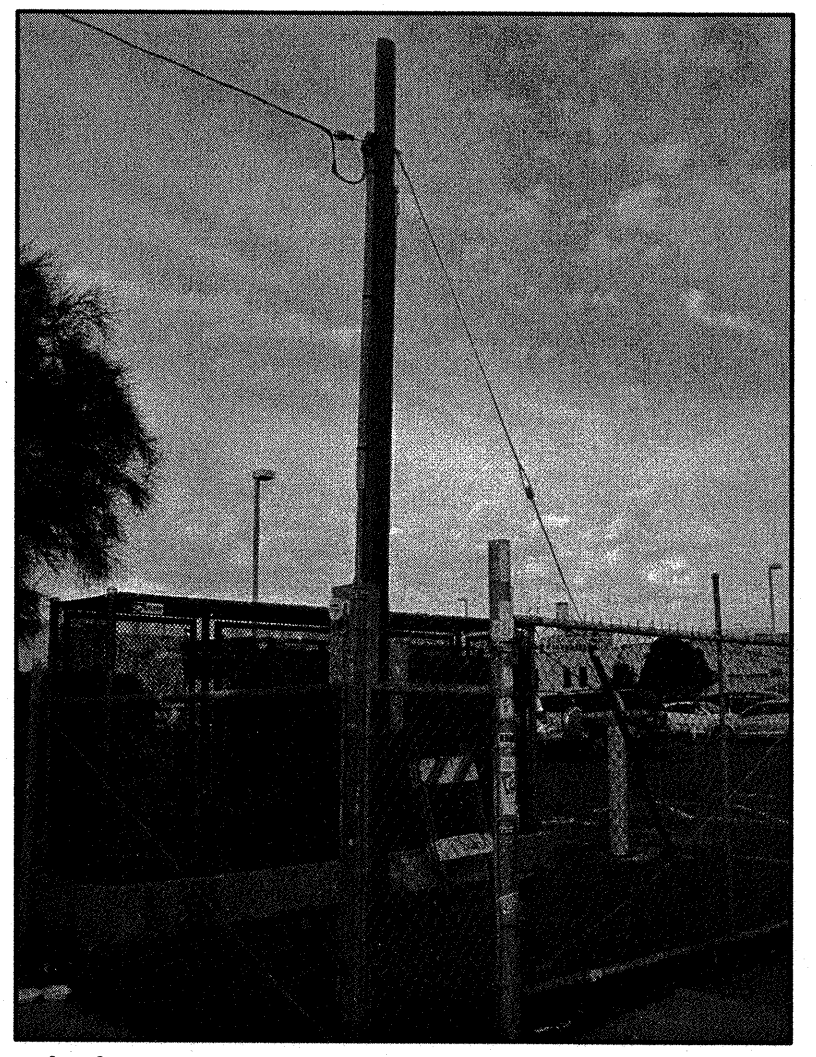
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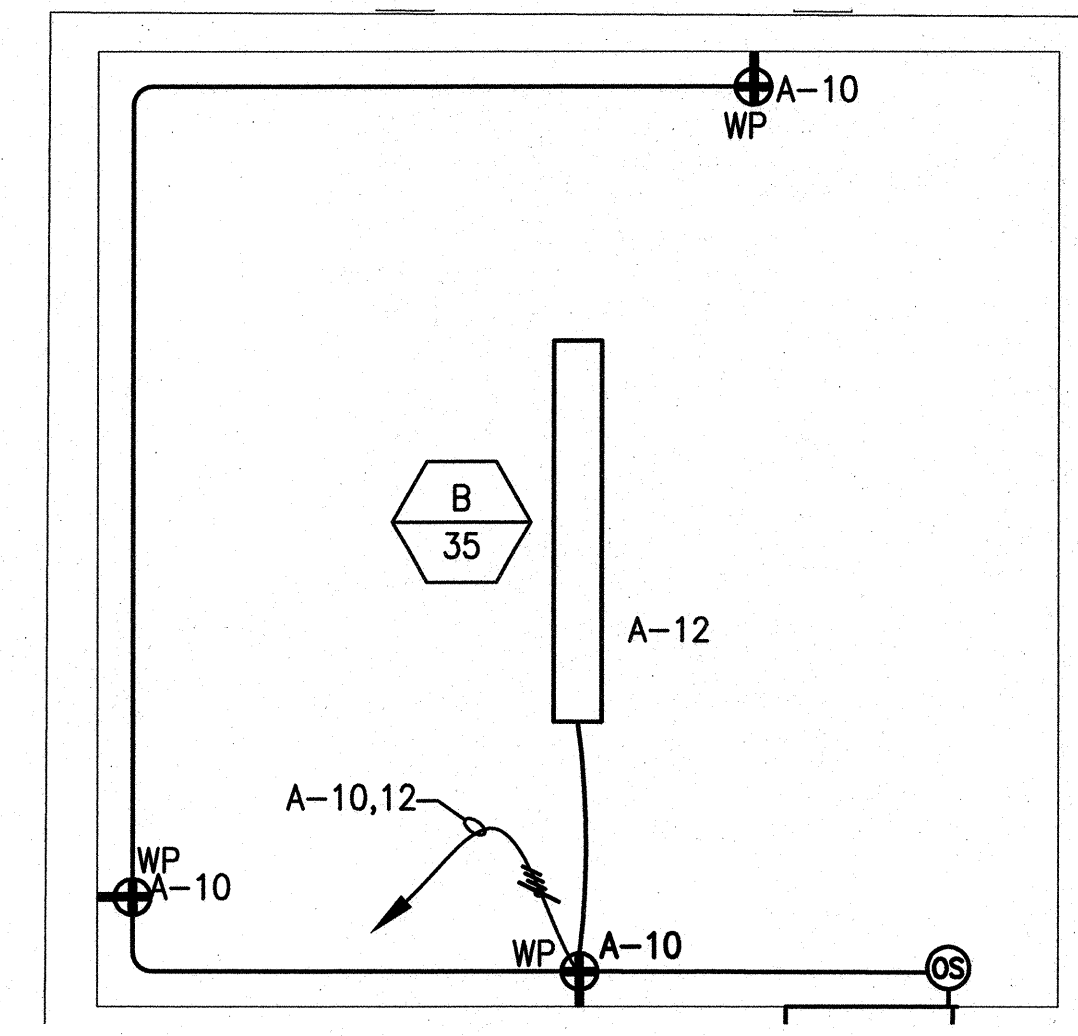
Job No. 3054V

SHEET NOTES

- 1 CONTRACTOR TO COORDINATE EXACT LOCATION WITH LANDSCAPE ARCHITECT.
- 2 CONTRACTOR TO COORDINATE WITH PG&E FOR CONDUIT ROUTING AND SERVICE CONNECTIONS: TEN WORKING DAYS IN ADVANCE.
- 3 R/C LIGHTS (INCLUDING POLE AND FOUNDATION) LOCATED WITHIN PROJECT AREA AND ASSOCIATE CONDUITS AND WIRES BACK TO SOURCE; AND RECONNECT MOH SITE CIRCUITS TO NEW PANEL B. CONTRACTOR SHALL FIELD INVESTIGATE THE EXISTING CONNECTIONS. REMOVE AND RECONNECT FIXTURES CIRCUITS AND CONTROLS TO THE NEW PANEL "B" AND NEW DIGITAL ASTRONOMICAL MOH SITE CONTROL AND OVERRIDE SWITCHES. REFER TO LANDSCAPE DRAWING FOR NUMBER OF FIXTURES TO BE REMOVED. PROVIDE TEMPORARY LIGHTING AS REQUIRED.
- 4 PULL BOX LOCATION IS TENTATIVE. CONTRACTOR TO FIELD VERIFY EXISTING CONDUIT TO INTERCEPT WITH NEW CONDUIT AND PULL BOX.
- 5 CONTRACTOR TO FIELD VERIFY AND MAINTAIN ALL EXISTING SFPUC CIRCUITS TO REMAIN. RESTORE FOR A COMPLETE OPERATIONAL SYSTEM IF DAMAGED BY CONTRACTOR AT NO COST TO THE CITY.
- 6 CONTRACTOR TO FIELD VERIFY AND COORDINATE WITH PG&E AND OWNER VIA RESIDENT ENGINEER FOR REMOVAL OF PG&E POLE AND METER, INCLUDING BUT NOT LIMITED TO INTERMATIC TIME CLOCK AND ALL ASSOCIATED EQUIPMENT TO A NEW AGREED UPON LOCATION.
- 7 SEE LANDSCAPE DWG FOR DEMOLITION WORK. ALL COST ASSOCIATED WITH DEMOLITION WORK SHALL BE CONSIDERED INCIDENTAL.
- 8 NOT USED.
- 9 CONTRACTOR TO PROVIDE CIRCUIT AND CABLES SIZE PER NEC CODE.
- 10 COORDINATE WITH PG&E FOR PG&E PULL BOX.
- 11 CONDUIT RISER PER PG&E REQUIREMENT, COORDINATE WITH PG&E FOR CONDUIT ROUTING AND SKETCH PRIOR TO INSTALLATION.
- 12 RECESSED MOUNTED EXTERIOR WHILE-IN-USE RECEPTACLE. SEE LANDSCAPE DRAWING FOR MOUNTING DETAIL. MANUFACTURE: COLE LIGHTING CAT#: TL310-WCS



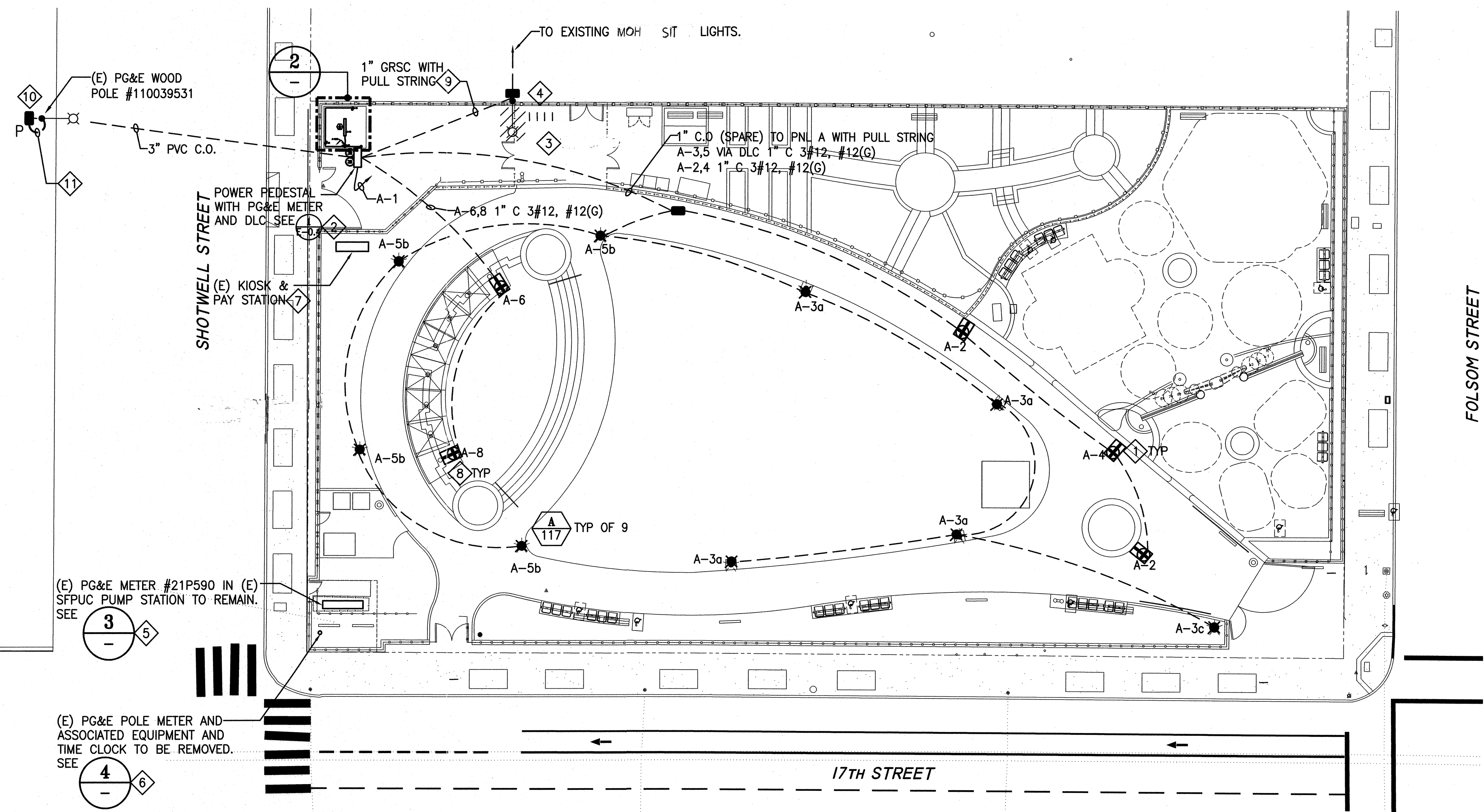
(E) PARKING LOT AND CONTROLLER ON PG&E POLE TO BE REMOVED



ENLARGED STORAGE ROOM PLAN
SCALE: 1"=2'-0"

EXISTING SFPUC PUMP STATION
SCALE: NTS

(E) PARKING LOT AND CONTROLLER ON PG&E POLE TO BE REMOVED
SCALE: NTS



ELECTRICAL SITE PLAN

SCALE: 1"=16'-0"

