



**GENERAL NOTES**

- GOLDEN GATE NATIONAL CEMETERY IS A NATIONAL SHRINE TO OUR VETERANS. THE CONTRACTOR SHALL COOPERATE AND COORDINATE WITH THE CEMETERY DIRECTOR AND COR IN ARRANGING SCHEDULE TO CAUSE THE LEAST POSSIBLE INTERFERENCE WITH CEMETERY ACTIVITIES IN BURIAL AREAS. WORK NOISE DURING THE INTERMENT SERVICES SHALL NOT DISTURB THE SERVICE. TRUCKS AND WORKERS SHALL NOT PASS THROUGH THE SERVICE AREA DURING THIS PERIOD.
- ADMINISTRATION OF ALL WORK PERFORMED BY THE CONTRACTOR SHALL COMPLY WITH THE GENERAL SPECIFICATIONS.
- THE CONTRACTOR SHALL VERIFY IN FIELD ALL GRADES, LINES, AND DIMENSIONS INDICATED IN THE PLANS AND SPECIFICATIONS AND NOTIFY THE GOVERNMENT OF INCONSISTENCIES FOR RESOLUTION.
- THE CONTRACTOR, AND ANY SUBCONTRACTOR, IS REQUIRED TO NOTIFY THE UNDERGROUND SERVICE ALERT AT LEAST 48 HOURS IN ADVANCE OF PERFORMING ANY EXCAVATION BY CALLING 811.
- THE CONTRACTOR SHALL COORDINATE WITH THE GOLDEN GATE NATIONAL CEMETERY FOR SITE ACCESS AND CEMETERY OPERATIONS THAT MAY AFFECT PERFORMANCE OF THE WORK. THE SPECIFICATIONS DEFINE WORK DAYS AND WORK HOURS, HOWEVER, BURIAL OR OTHER OFFICIAL CEMETERY SERVICES MAY REQUIRE THE CONTRACTOR TO CEASE WORK FOR SEVERAL HOURS TO ACCOMMODATE CEMETERY OPERATIONS. THE CONTRACTOR WILL BE NOTIFIED NO LESS THAN 72 HOURS PRIOR TO CEMETERY SERVICES THAT MAY AFFECT WORK HOURS.
- THE CONTRACTOR STAGING AREA SHOWN IS LOCATED WITHIN THE CEMETERY MAINTENANCE FACILITY AND IS APPROXIMATELY 1,500 SQUARE FEET. ADDITIONAL AREA MAY BE REQUESTED AND APPROVED BY THE COR AS CEMETERY OPERATIONS ALLOW.
- HEADSTONES, CEMETERY MARKERS, AND PLOTS ARE WITHIN 5 FEET OF THE WORK AREA. THE CONTRACTOR SHALL SUBMIT A WORK PLAN IDENTIFYING PROCEDURES FOR COMPLETING THE WORK AND PROTECTING ALL CEMETERY FEATURES NOT IDENTIFIED FOR DEMOLITION FROM DAMAGE.
- IF BURIED REMAINS, CONTAINERS, URNS, VAULTS, ETC. ARE ENCOUNTERED DURING EXCAVATION THE CONTRACTOR SHALL STOP WORK AND NOTIFY THE COR AND CEMETERY DIRECTOR. THE CONTRACTOR SHALL NOT PROCEED UNLESS DIRECTED BY THE COR.
- THE CONTRACTOR SHALL SECURE THE CEMETERY AT THE END OF EACH WORK DAY. TEMPORARY FENCING OR OTHER MEANS TO PREVENT EGRESS INTO THE CEMETERY SHALL BE USED.
- ALL UTILITIES WITH BOXES, MANHOLE COVERS, CLEANOUT LIDS, VALVE COVERS, ETC. WITHIN THE PROJECT LIMITS SHALL BE PROTECTED IN PLACE. ALL EXISTING IRRIGATION AND APPURTENANT FEATURES WITHIN THE LIMITS OF WORK SHALL BE PROTECTED IN PLACE.
- THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR FURNISHING AND MAINTAINING ALL WARNING SIGNS, DEVICES, AND PERSONNEL NECESSARY TO PROTECT THE HEALTH AND SAFETY OF THE GENERAL PUBLIC AND WORKERS AND TO PROVIDE FOR THE PROPER AND SAFE ROUTING OF VEHICULAR AND PEDESTRIAN TRAFFIC DURING THE PERFORMANCE OF THE WORK.
- NO WORK OUTSIDE OF THE DESIGNATED LIMIT OF WORK AREA WILL BE PERMITTED WITHOUT APPROVAL OF THE CONTRACTING OFFICER.
- THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING MONUMENTS AND OTHER SURVEY MARKERS. MONUMENTS AND SURVEY MARKERS THAT ARE DESTROYED DURING CONSTRUCTION SHALL BE REPLACED BY A LICENSED SURVEYOR AT THE CONTRACTOR'S EXPENSE.

**DEMOLITION NOTES**

- ALL MATERIALS AND EQUIPMENT RESULTING FROM DEMOLITION SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM GOVERNMENT PROPERTY. SEE SPECIFICATION SECTION 02 41 00 FOR ALL DEMOLITION REQUIREMENTS.
- THE CONTRACTOR SHALL DEMOLISH THE PUMP STATION WITH METHODS AND MATERIALS IDENTIFIED IN THE DEMOLITION PLAN.
- THE CONTRACTOR SHALL ABANDON THE PUMP STATION WELL IN ACCORDANCE WITH APPLICABLE REGULATIONS SET FORTH BY THE STATE OF CALIFORNIA DEPARTMENT OF WATER RESOURCES. WELL ABANDONMENT SHALL BE PERFORMED BY A CONTRACTOR POSSESSING A C-57 WATER WELL LICENSE.
- REMOVE THE PUMP STATION FOUNDATION TO NATIVE GROUND.
- CUT AND CAP ALL CONDUITS LEADING FROM THE PUMP STATION TO 3 FEET BELOW ADJACENT GRADE. CONDUITS THAT EXTEND LATERALLY AT DEPTHS LESS THAN 3 FEET BELOW ADJACENT GRADE SHALL BE CUT AND CAPPED AT THE FOUNDATION EXTENT.
- REMOVE EXISTING CHAIN LINK FENCE WITHIN THE PROJECT LIMITS. THE CONTRACTOR SHALL NOT REMOVE THE EXISTING CHAIN LINK FENCE ALONG SNEATH LANE UNTIL THE NEW ORNAMENTAL FENCE IS INSTALLED.
- REMOVE THREE TREES SHOWN ON THE DRAWINGS ALONG EL CAMINO REAL. PROVIDE STUMPS AND SURFACE ROOTS SHALL BE GROUND TO 18 INCHES BELOW ADJACENT GRADE AND THE VOID FILLED WITH TOPSOIL AND SODDED.
- ALL DAMAGED SOD OR BARE EARTH ADJACENT TO THE NEW FENCE ALIGNMENT SHALL BE RESTORED WITH NEW SOD. GRADED OR DAMAGED AREAS OUTSIDE OF THE NEW FENCE ALIGNMENT SHALL BE RESTORED WITH FRESH MULCH.

**FENCE REPAIR NOTES**

- APPROXIMATELY 50 FEET OF EXISTING ORNAMENTAL FENCE DAMAGE SHALL BE REPLACED WITH NEW ORNAMENTAL FENCE. THE LOCATION OF THE DAMAGE IS CENTERED ON THE EXISTING FENCE ALIGNMENT APPROXIMATELY 550 FEET WEST OF CHERRY AVENUE. THE LOCATION IN THE FIELD SHALL BE IDENTIFIED BY THE COR.
- DAMAGED PANELS SHALL BE DEMOLISHED AND LEGALLY DISPOSED OF OFFSITE BY THE CONTRACTOR.
- THE CONTRACTOR SHALL INSTALL NEW ORNAMENTAL FENCE USING THE FENCE PANEL AND POST DIMENSIONS SHOWN IN THE DRAWINGS. NO NEW MOW CURB OR CONNECTION TO EXISTING PILASTERS IS REQUIRED FOR FENCE REPAIRS.

**SURVEY NOTES**

- TOPOGRAPHIC MAPPING OF THE PROJECT IS BASED UPON A FIELD SURVEY COMPLETED JANUARY 6, 2012.
- PROJECT CONTROL WAS PROVIDED BY THE CITY OF SAN BRUNO BENCHMARK SB-11. THE BENCHMARK IS A BRASS MONUMENT STAMPED "CITY OF SAN BRUNO, PUBLIC WORKS, HVON SB-11", SET IN TOP OF CURB ON HUNTINGTON AVE., 90 FT SOUTHERLY OF THE SAN BRUNO POST OFFICE DRIVEWAY.
- BENCHMARK DATUMS ARE:  
 HORIZONTAL - NORTH AMERICAN DATUM (NAD83), CA STATE PLANE ZONE 3  
 VERTICAL - NORTH AMERICAN VERTICAL DATUM (NAVD88)

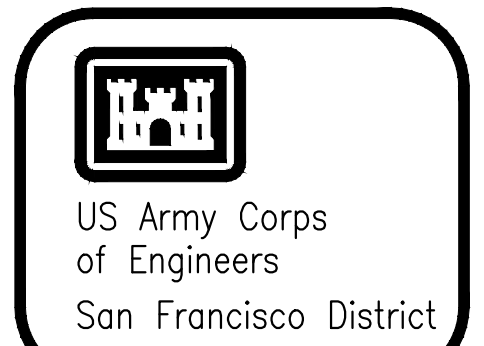
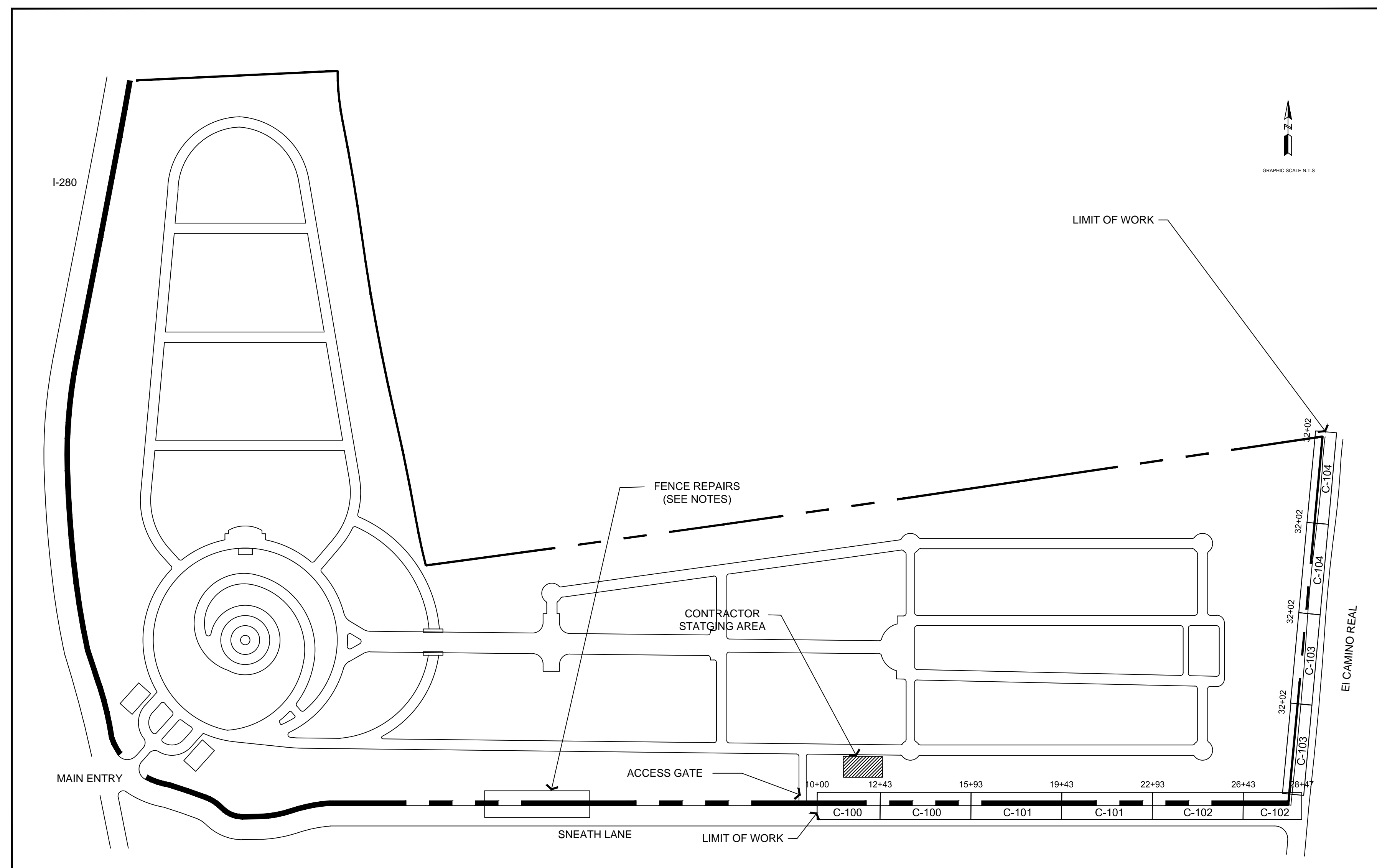
**ABBREVIATIONS**

- AC - ACRE
- E - Easting
- EL - Elevation
- FT - FEET
- N - Northing
- N.T.S. - Not to Scale
- STA - Station
- Sq. Ft. - Square feet
- IN - INCH
- DIA. - Diameter
- LES - Pounds
- HWY - Highway
- TYP - Typical

**LEGEND**

- Water
- Sanitary Sewer
- New Sewer
- Storm Drain
- Gas
- Overhead Utilities
- Underground Utilities
- Fiber Optic
- Exterior Light
- Power Box
- Domestic Water Device
- Communication Jbox
- Communication Underground
- Water Meter
- Valve Box
- Power Pole/ Guys
- Gas Sign
- Power Transformer
- Sanitary Sewer Manhole/Structure
- Spc System
- Fire Hydrant
- Storm Inlet
- Storm Inlet
- Water Valve/ Vault
- Storm Drain Manhole

SCHEDULE OF DRAWINGS		
Sequence #	Sheet #	Title
1	G-001	COVER SHEET
2	G-002	GENERAL NOTES, SCHEDULE OF DRAWINGS, LOCATION MAP, ABBREVIATIONS, AND LEGEND
3	V-100	EXISTING SITE FEATURES - SNEATH LANE
4	V-101	EXISTING SITE FEATURES - SNEATH LANE TO EL CAMINO REAL
5	V-102	EXISTING SITE FEATURES - EL CAMINO REAL
6	C-100	FENCE REPLACEMENT SEGMENT - STA. 10+00 TO 15+93
7	C-101	FENCE REPLACEMENT SEGMENT - STA. 15+93 TO 22+93
8	C-102	FENCE REPLACEMENT SEGMENT - STA. 22+93 TO 28+47
9	C-103	FENCE REPLACEMENT SEGMENT - STA. 24+47 TO 35+52
10	C-104	FENCE REPLACEMENT SEGMENT - STA. 35+52 TO 42+25
11	D-001	FENCE AND PILASTER DETAILS
12	R-002	WALL AND REINFORCEMENT DETAILS
13	D-003	FENCE LAYOUT (SFPUC RIGHT-OF-WAY)
14	C-001	PLANTING PLAN - SNEATH LANE
15	L-002	PLANTING PLAN - SNEATH LANE TO EL CAMINO REAL
16	L-003	PLANTING PLAN - EL CAMINO REAL
17	I-001	IRRIGATION PLAN - SNEATH LANE
18	I-002	IRRIGATION PLAN - SNEATH LANE TO EL CAMINO REAL
19	I-003	IRRIGATION PLAN - EL CAMINO REAL



Drawn	Checked	Reviewed	Approved

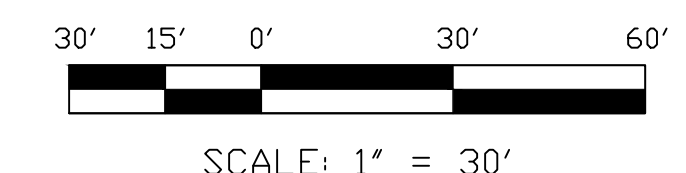
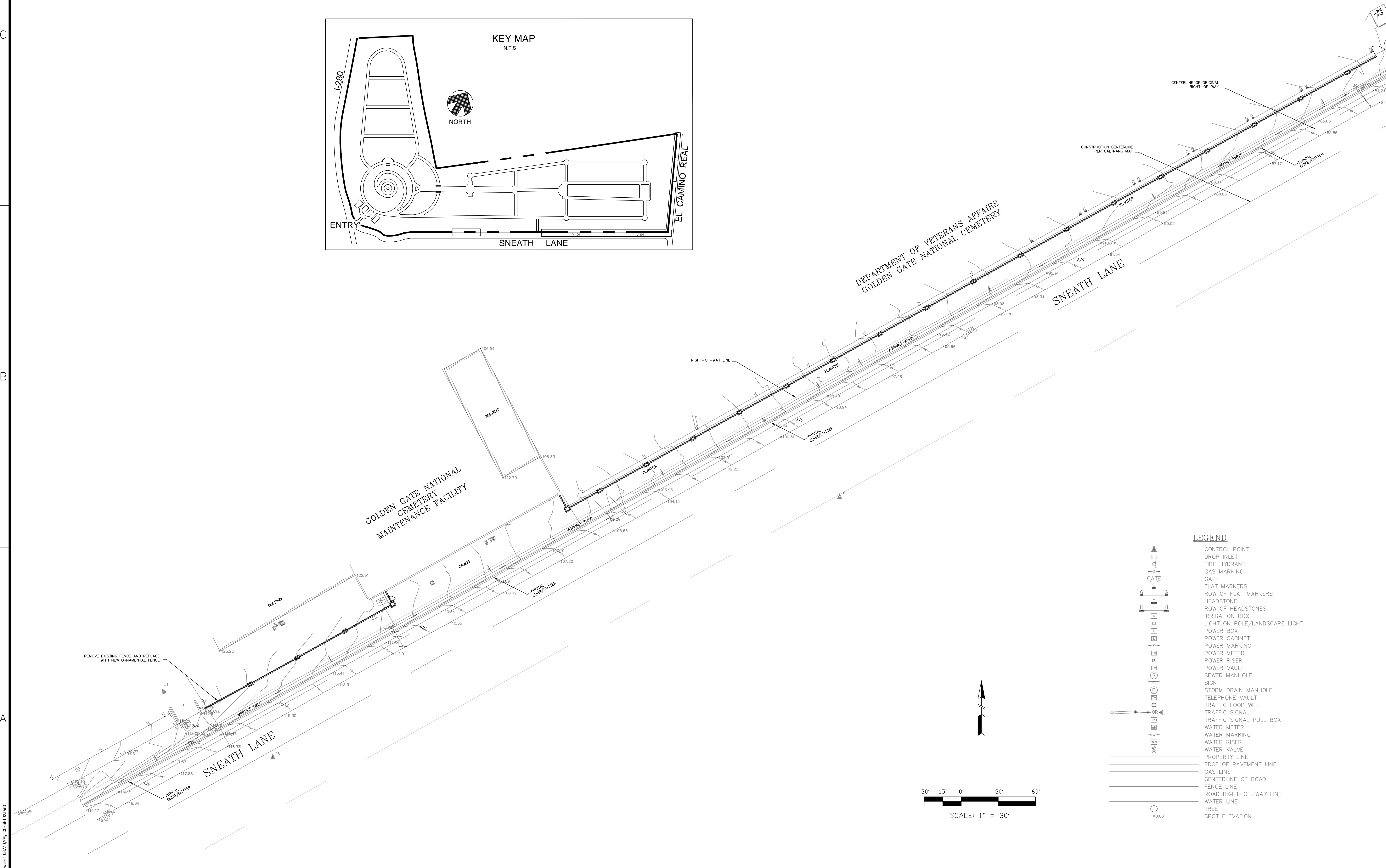
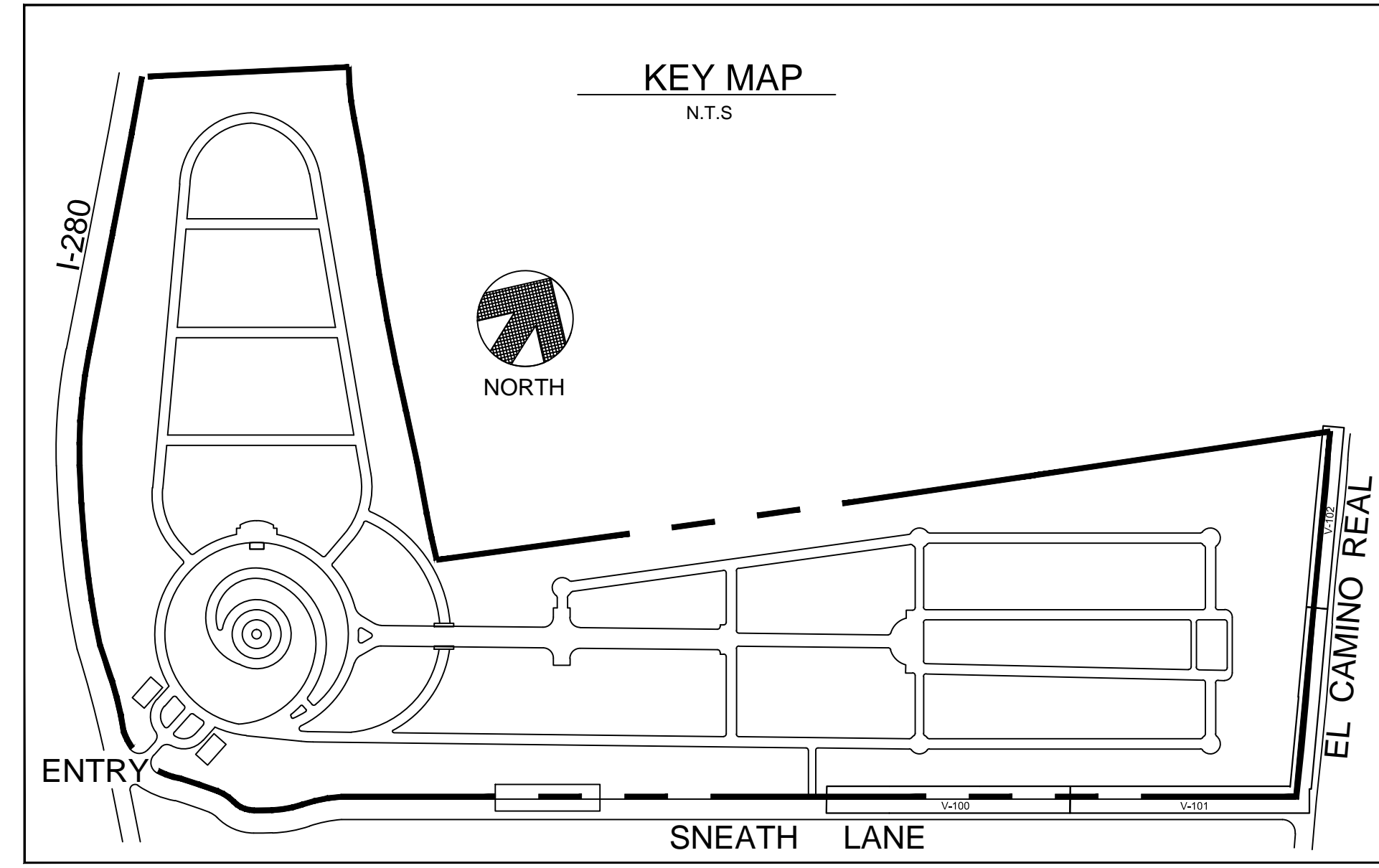
Prepared by: N. Moissonage	Date: 7/26/2016	Design file no: X-XX-XXXX	Drawn by: M. Young	Spec No. of 19	Design Code: XXXX	File name: XXXX	Plot date: 	Plot scale: 
Reviewed by: J. Ide	Submitted by: TBD							

DEPARTMENT OF THE ARMY  
CORPS OF ENGINEERS  
SAN FRANCISCO, CALIFORNIA

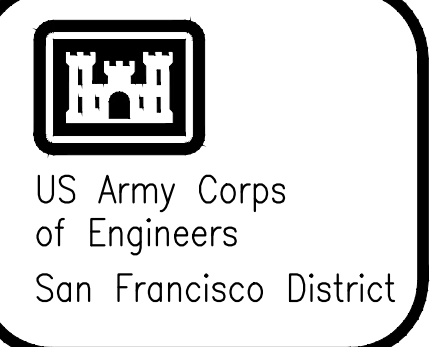
US Army Corps of Engineers  
1405 Market Street  
San Francisco, CA 94103

CALIFORNIA  
GOLDEN GATE NATIONAL CEMETERY  
PERIMETER FENCE REPLACEMENT PROJECT  
GENERAL NOTES, SCHEDULE OF  
DRAWINGS, LOCATION MAP,  
ABBREVIATIONS, AND LEGEND

Sheet  
reference  
number:  
**G-002**  
SHEET 2 OF 18



- LEGEND**
- ▲ CONTROL POINT
  - ▽ DROP INLET
  - ⊕ FIRE HYDRANT
  - ⊙ GAS MARKING
  - ⊘ GATE
  - ⊚ FLAT MARKERS
  - ⊛ ROW OF FLAT MARKERS
  - ⊜ HEADSTONE
  - ⊝ ROW OF HEADSTONES
  - ⊞ IRRIGATION BOX
  - ⊟ LIGHT ON POLE/LANDSCAPE LIGHT
  - ⊠ POWER BOX
  - ⊡ POWER CABINET
  - ⊢ POWER MARKING
  - ⊣ POWER METER
  - ⊤ POWER RISER
  - ⊥ POWER VAULT
  - ⊦ SEWER MANHOLE
  - ⊧ SIGN
  - ⊨ STORM DRAIN MANHOLE
  - ⊩ TELEPHONE VAULT
  - ⊪ TRAFFIC LOOP WELL
  - ⊫ TRAFFIC SIGNAL
  - ⊬ TRAFFIC SIGNAL PULL BOX
  - ⊭ WATER METER
  - ⊮ WATER MARKING
  - ⊯ WATER RISER
  - ⊰ WATER VALVE
  - ⊱ PROPERTY LINE
  - ⊲ EDGE OF PAVEMENT LINE
  - ⊳ GAS LINE
  - ⊴ CENTERLINE OF ROAD
  - ⊵ FENCE LINE
  - ⊶ ROAD RIGHT-OF-WAY LINE
  - ⊷ WATER LINE
  - ⊸ TREE
  - ⊹ SPOT ELEVATION



Symbol	Description	Date	Approved

Prepared by: N. Moissonage	Date: 7/26/2016	Rev:
Drawn by: M. Young	Design file no: X-XX-XXXX	
Reviewed by: J. Ide	Spec No. of 19	
Submitted by: TBD	Drawing Code: XXXX	
	File name: XXXX	
	Plot date: XXXX	
	Draw scale:	

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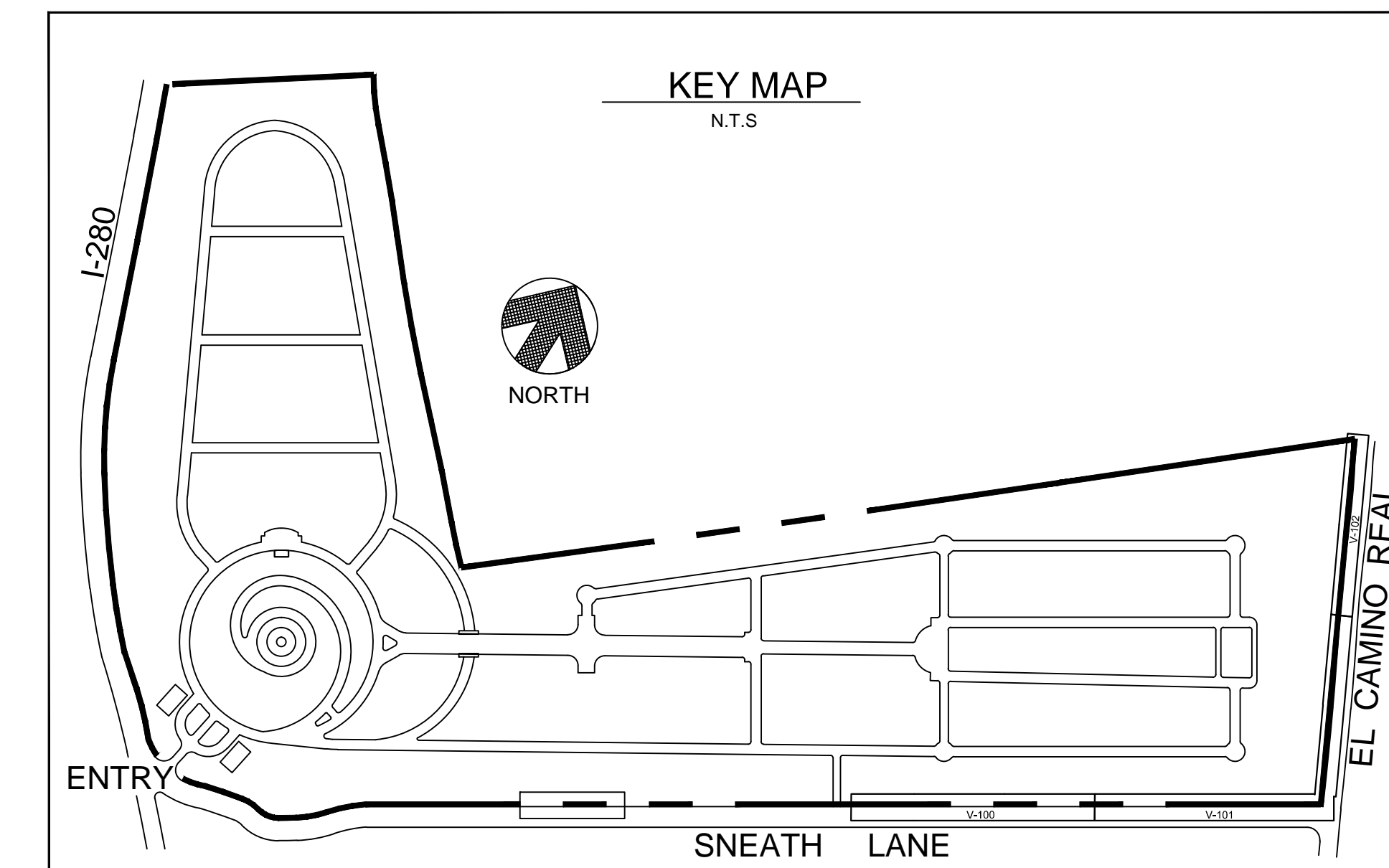
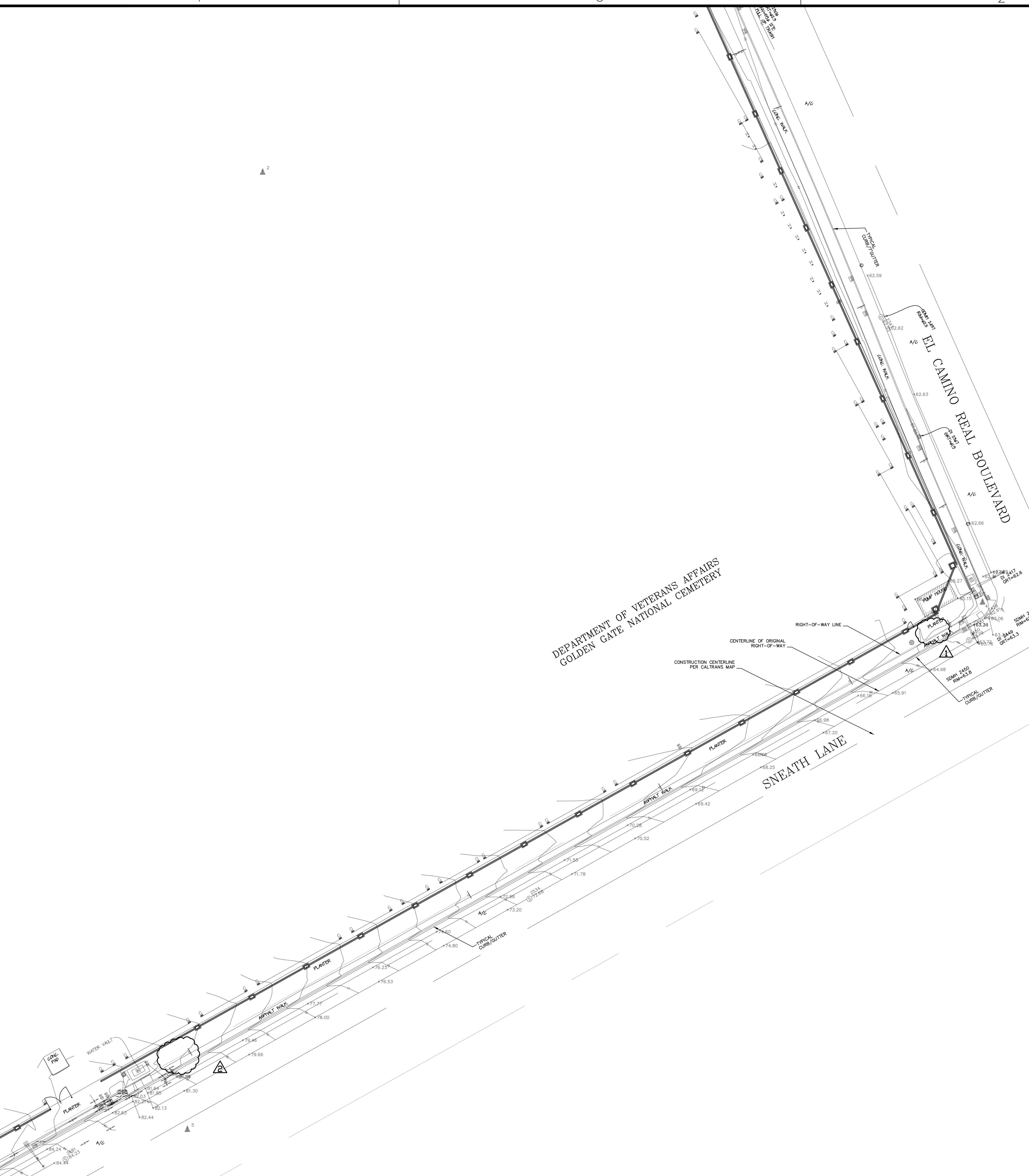
CALIFORNIA

SAN BRUNO

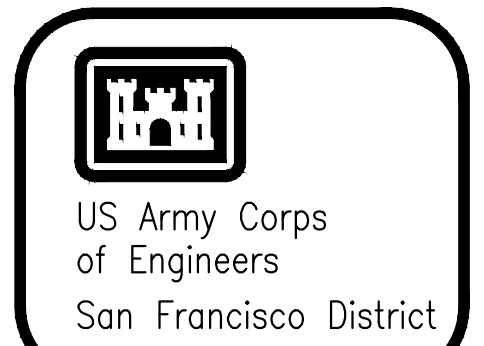
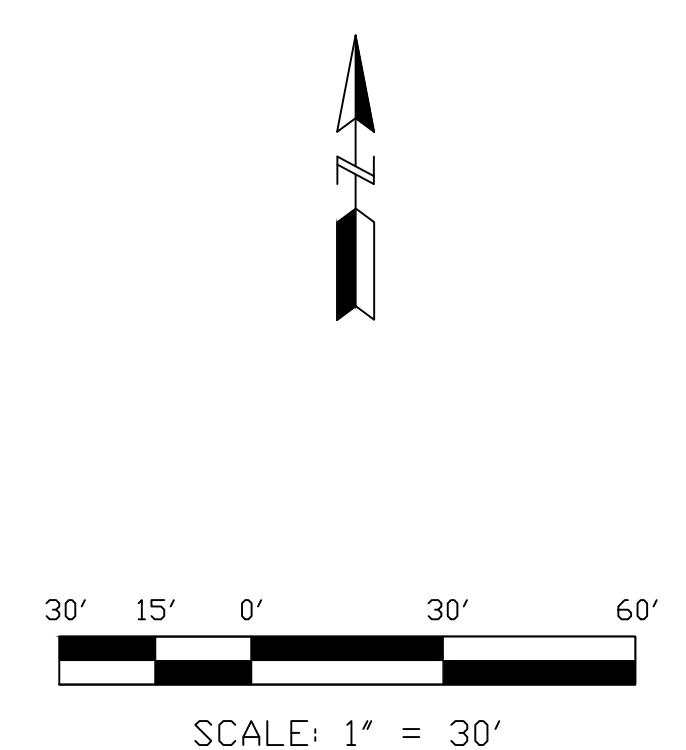
GOLDEN GATE NATIONAL CEMETERY  
PERIMETER FENCE REPLACEMENT PROJECT

EXISTING SITE FEATURES  
SNEATH LANE

Sheet reference number:  
V-100  
SHEET 3 OF 18



- LEGEND**
- CONTROL POINT
  - DROP INLET
  - FIRE HYDRANT
  - GAS MARKING
  - GATE
  - FLAT MARKERS
  - ROW OF FLAT MARKERS
  - HEADSTONE
  - ROW OF HEADSTONES
  - IRRIGATION BOX
  - LIGHT ON POLE/LANDSCAPE LIGHT
  - POWER BOX
  - POWER CABINET
  - POWER MARKING
  - POWER METER
  - POWER RISER
  - POWER VAULT
  - SEWER MANHOLE
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  - TELEPHONE VAULT
  - TRAFFIC LOOP WELL
  - TRAFFIC SIGNAL
  - TRAFFIC SIGNAL/PULL BOX
  - WATER METER
  - WATER MARKING
  - WATER RISER
  - WATER VALVE
  - PROPERTY LINE
  - EDGE OF PAVEMENT LINE
  - GAS LINE
  - CENTERLINE OF ROAD
  - FENCE LINE
  - ROAD RIGHT-OF-WAY LINE
  - WATER LINE
  - TREE
  - SPOT ELEVATION



Symbol	Description	Date	Approved
	Manhole access, extent of pump house utility, demolition		
	Event of underground utility trace, apparent termination point from trace near intersection		

Prepared by: N. Moissonage	Date: 7/26/2016	Reviewed by: J. Ide	Drawn by: M. Young
Spec No. of 19	Design file no: X-XX-XXXX	Drawn Code: XXXX	File name: XXXX
Submitted by: TBD		Plot date:	Draw scale:

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CALIFORNIA  
GOLDEN GATE NATIONAL CEMETERY  
PERIMETER FENCE REPLACEMENT PROJECT  
EXISTING SITE FEATURES  
SNEATH LANE TO EL CAMINO REAL

Sheet reference number:  
**V-101**  
SHEET 4 OF 18

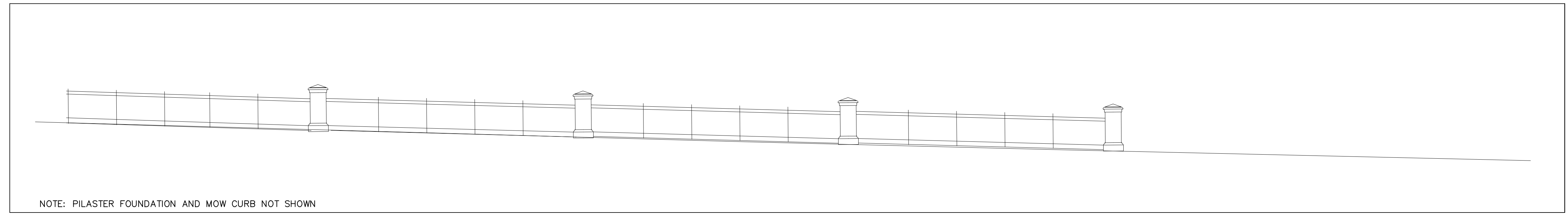


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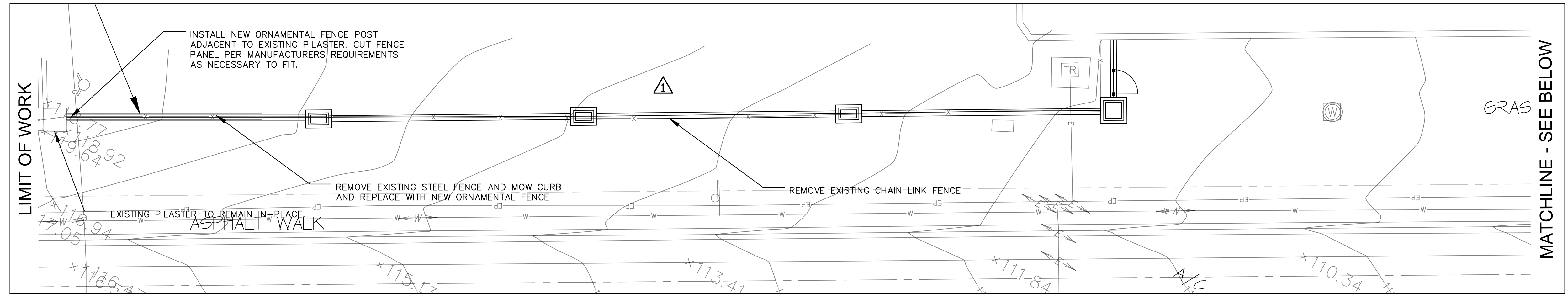
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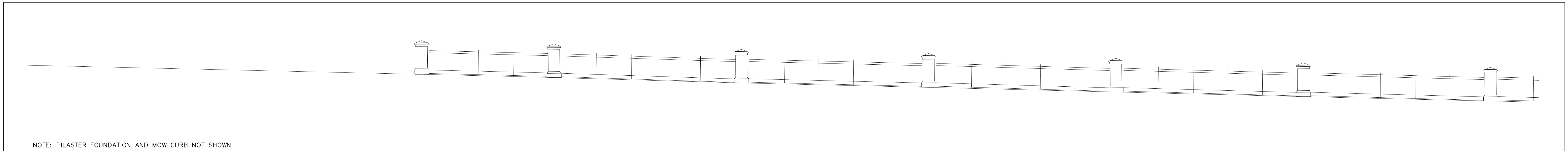
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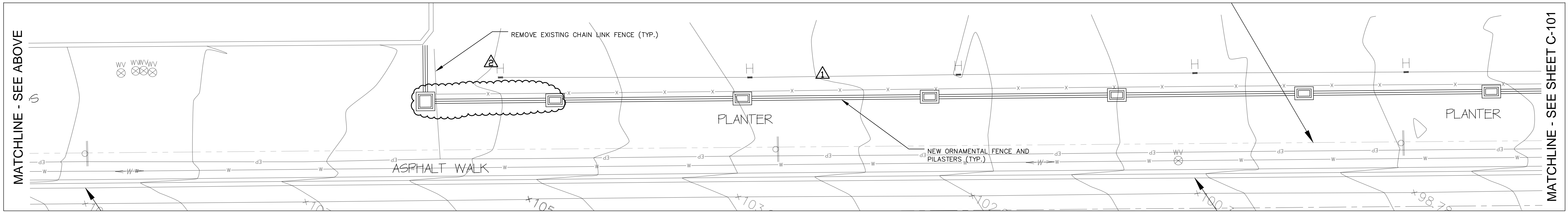
FENCE ELEVATION 10+00 TO 12+43



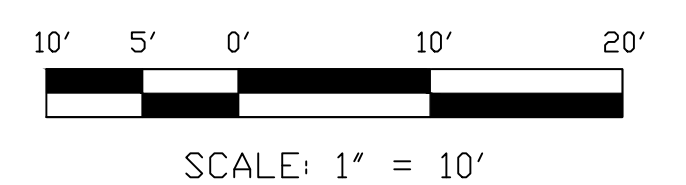
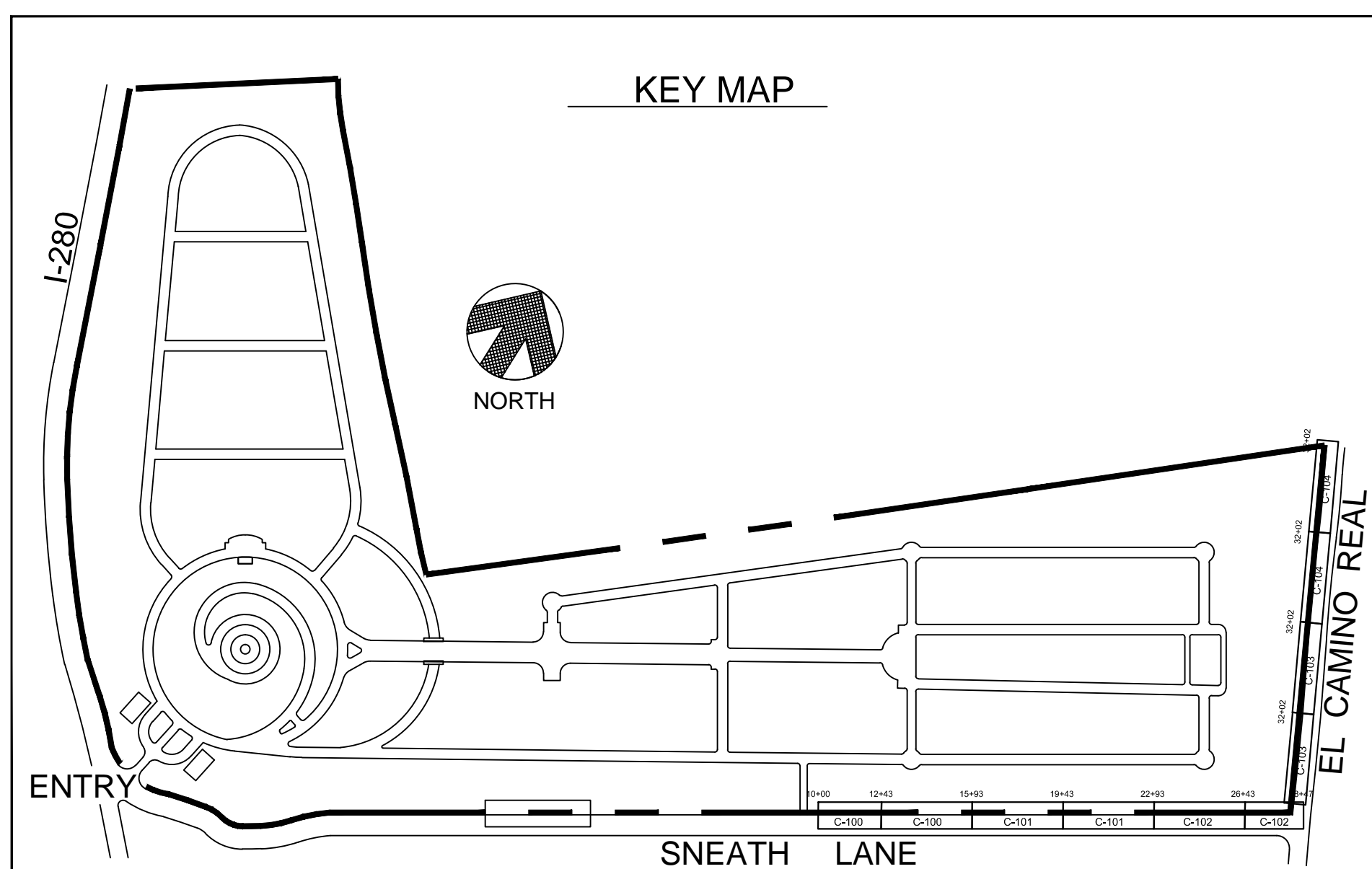
FENCE SEGMENT 10+00 TO 12+43



FENCE ELEVATION 12+43 TO 15+93



FENCE SEGMENT 12+43 TO 15+93



Symbol	Description
	Pilaster spaced at 42 ft. 4 in. on center (typ.)
	Pilaster spacing 32 ft. 3 in. to accommodate layout from SFPUC right-of-way

Prepared by: N. Molisovage	Date: 7/26/2016	Rev.
Drawn by: M. Young	Design file no: X-XX-XXXX	
Spec No. of 19	Drawing Code: XXXX	
Reviewed by: J. Ide	File name: XXXX	
Submitted by: TED	Plot date:	
	Plot scale:	

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CALIFORNIA  
GOLDEN GATE NATIONAL CEMETERY  
PERIMETER FENCE REPLACEMENT PROJECT  
FENCE REPLACEMENT SEGMENT  
STA. 10+00 TO 15+93

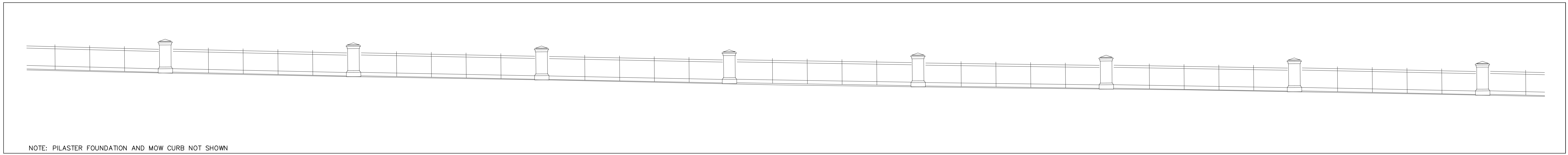
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**C-100**  
SHEET 6 OF 18

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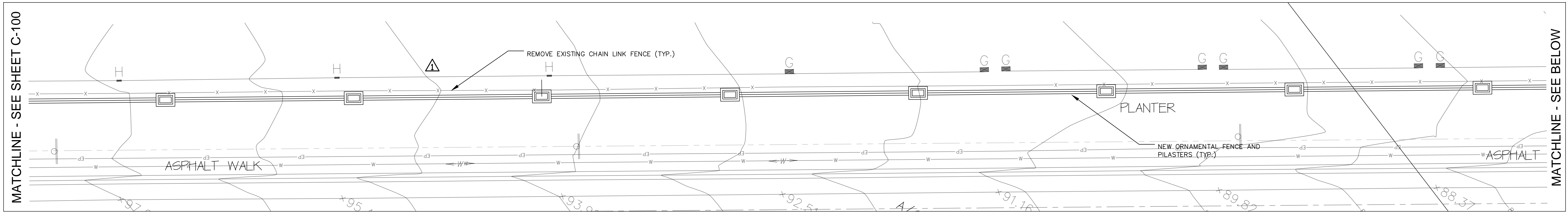
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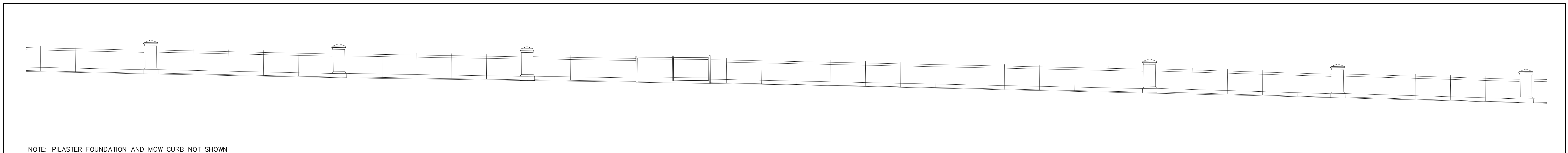
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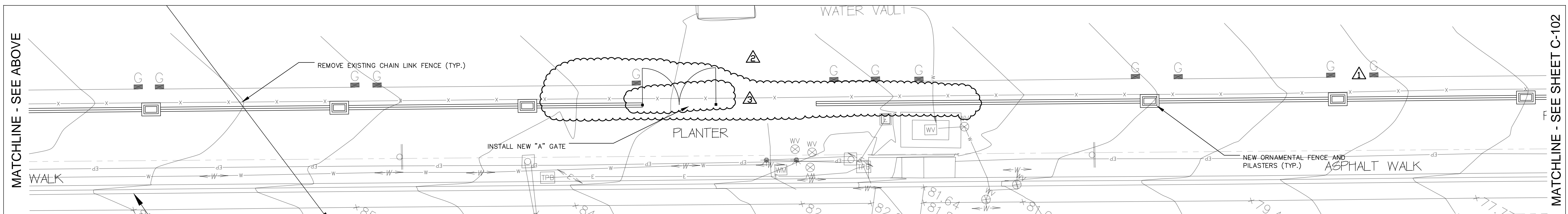
FENCE ELEVATION 15+93 TO 19+43



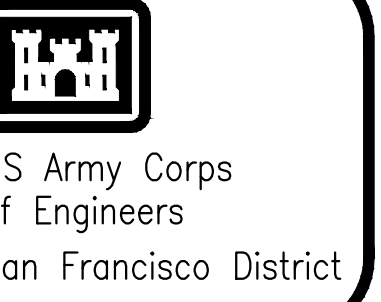
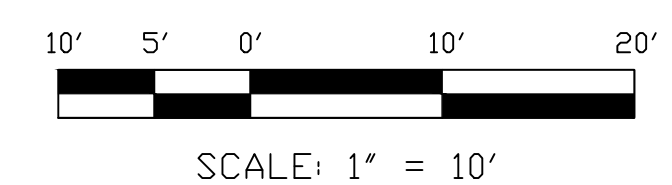
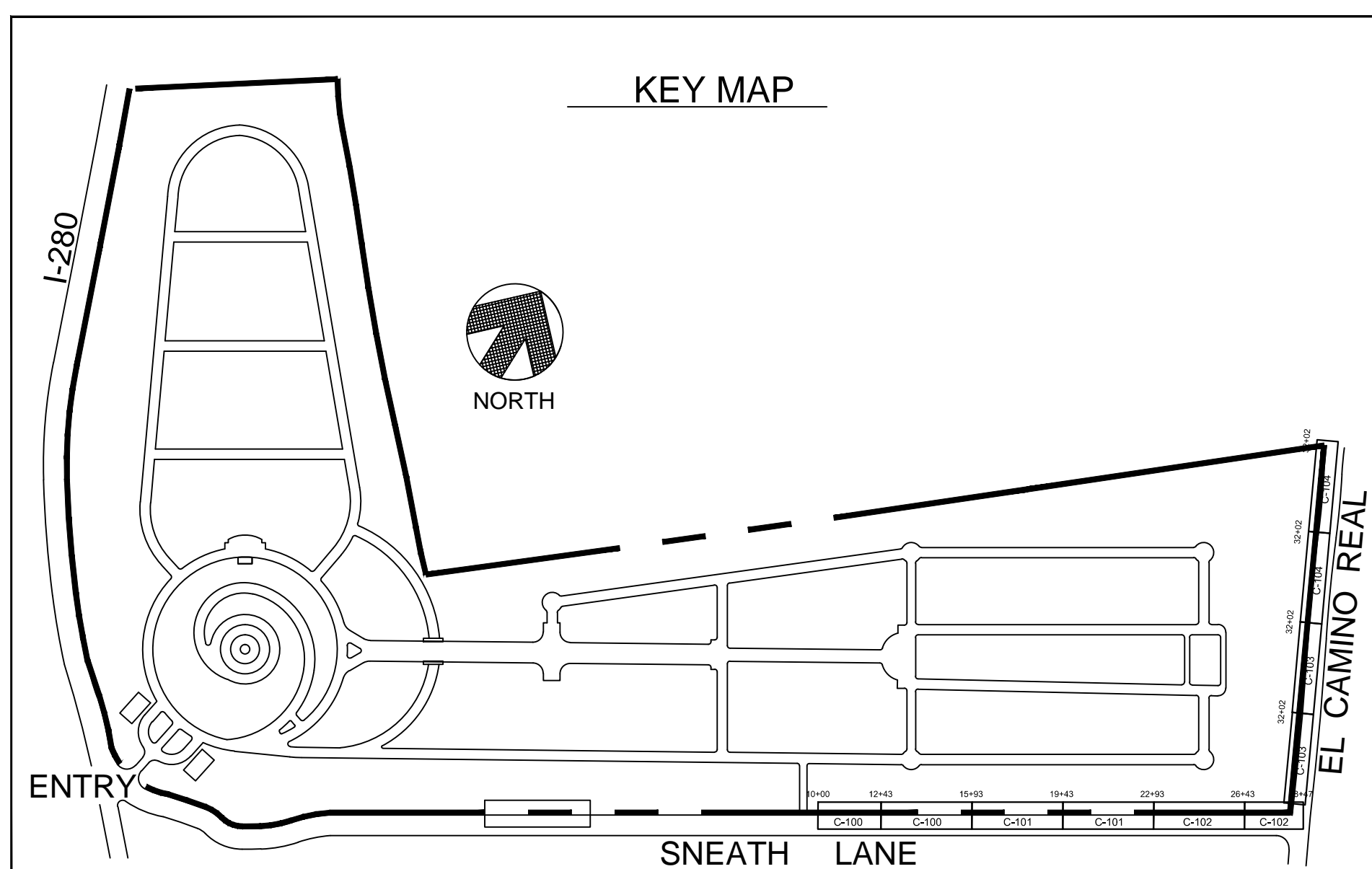
FENCE SEGMENT 15+93 TO 19+43



FENCE ELEVATION 19+43 TO 22+93



FENCE SEGMENT 19+43 TO 22+93



Plasters spaced at 43 ft. 4 in. on center (typ.)	Symbol	Date	Appr.
See Sheet D-003. Two pilasters deleted (SFPUIC and walk conflict); mow curb deleted in SFPUIC right-of-way	Symbol		
See Sheet D-003. 16 ft. 11 in. gate offset to span SFPUIC infrastructure	Symbol		

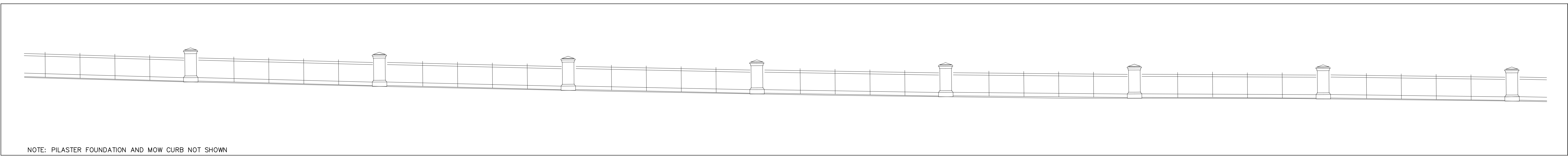
Prepared by:	Date:	Rev.
N. Moissonage	7/26/2016	
Drawn by:	Design file no.:	
M. Young	X-XX-XXXX	
Spec. No.:	of 19	
Reviewed by:	Drawing Code:	
J. Ide	XXXX	
Submitted by:	File name:	
TED	XXXX	
	Print date:	
	Draw scale:	

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SAN FRANCISCO, CALIFORNIA

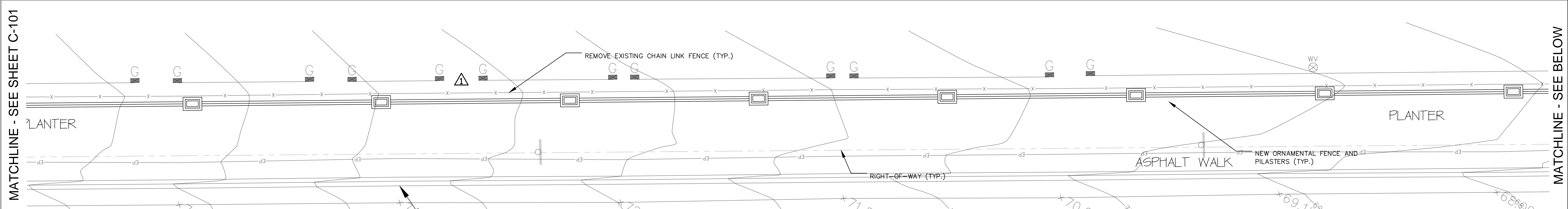
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San Francisco, CA 94103

CALIFORNIA  
GOLDEN GATE NATIONAL CEMETERY  
PERIMETER FENCE REPLACEMENT PROJECT  
FENCE REPLACEMENT SEGMENT  
STA. 15+93 TO 22+93

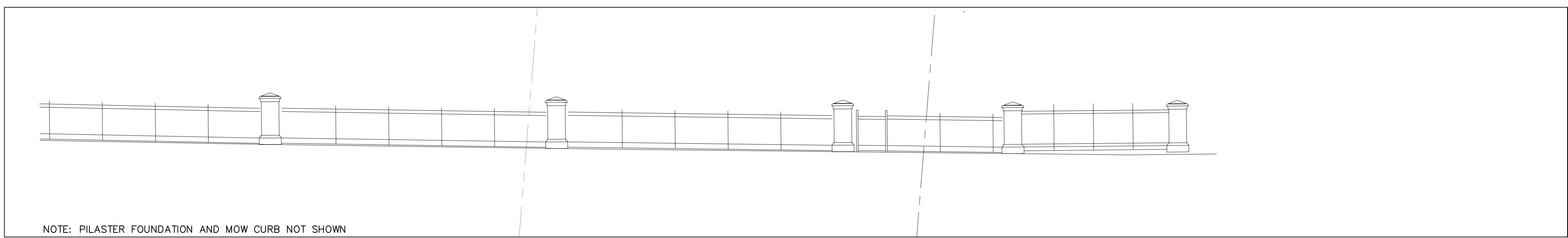
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C-101  
SHEET 7 OF 18



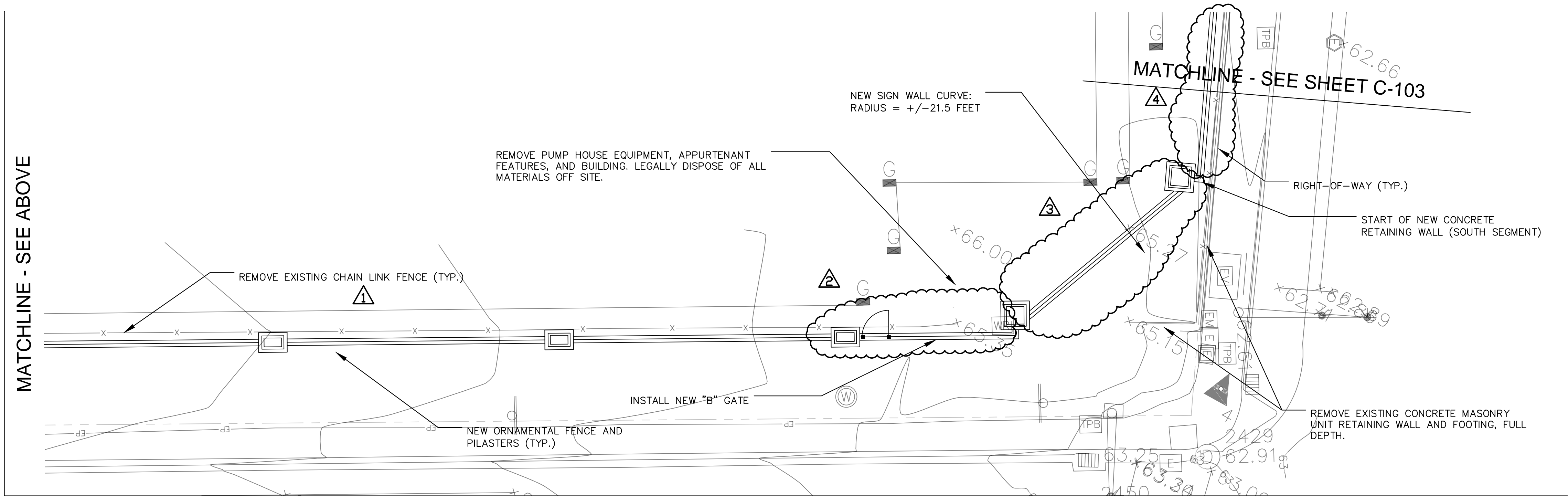
FENCE ELEVATION 22+93 TO 26+43



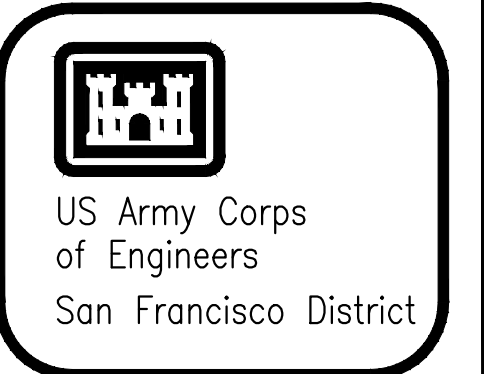
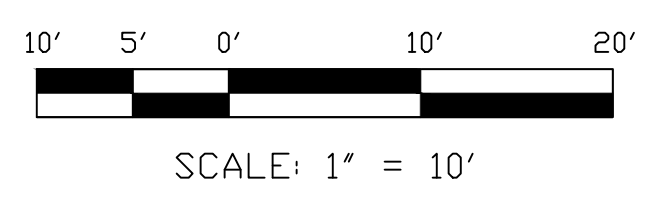
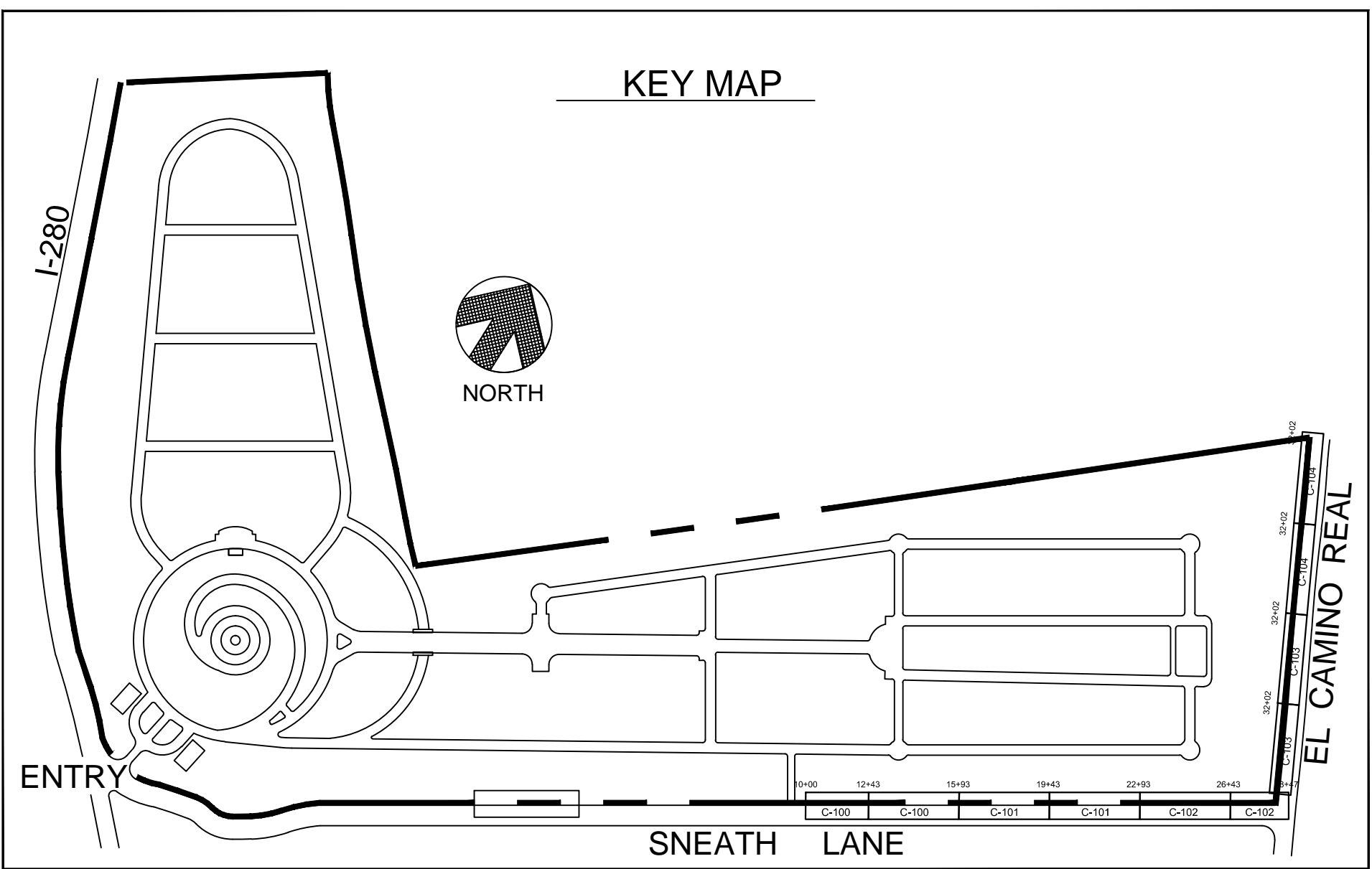
FENCE SEGMENT 22+93 TO 26+43



FENCE ELEVATION 26+43 TO 28+47



FENCE SEGMENT 26+43 TO 28+47



Symbol	Description	Date	Approved
	Pilaster spacing at 48 ft. on center (TYP.)		
	Pilaster spacing 28 ft. to accommodate layout from SFFDC right-of-way and gate		
	Sign wall corner modified to flat angle to avoid faceted curve		
	Pilaster spacing 38 ft. to match L-panel appearance on Sheet. Lane adjacent to corner		

Prepared by: N. Malasavage	Date: 7/26/2016	Rev:
Des. by: M. Young	Design file no: X-XX-XXXX	
Reviewed by: J. Ide	Spec. No. of 19	
Submitted by: TBD	Drawing Code: XXXX	
	File name: P:\Projects\...	
	Plot scale: Dwg scale:	

DEPARTMENT OF THE ARMY  
CORPS OF ENGINEERS  
SAN FRANCISCO, CALIFORNIA

US Army Corps of Engineers  
San Francisco District  
155 Market Street  
San Francisco, CA 94103

CALIFORNIA

GOLDEN GATE NATIONAL CEMETERY  
PERIMETER FENCE REPLACEMENT PROJECT

FENCE REPLACEMENT SEGMENT  
STA. 22+93 TO 28+47

Sheet reference number:  
**C-102**  
SHEET 8 OF 18

Border File: 08/20/04, CDS1102.ZWG

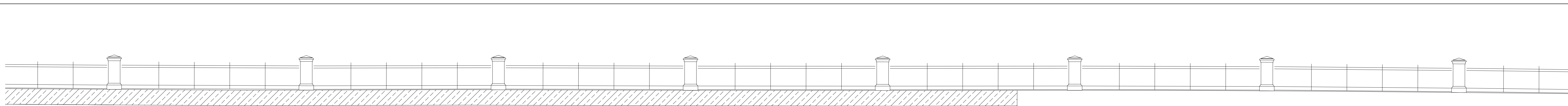


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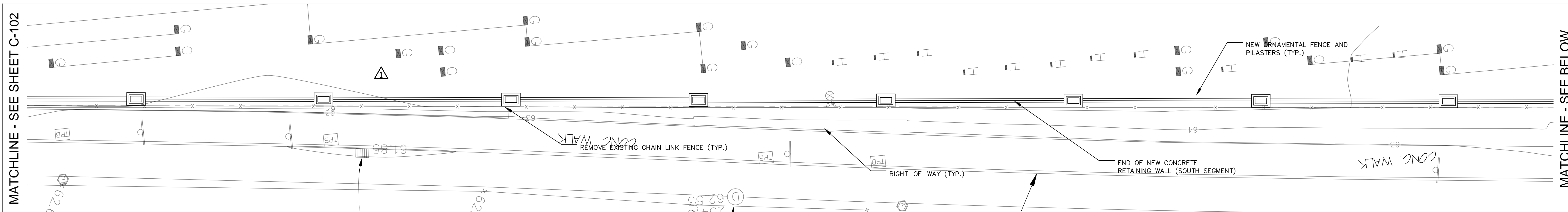
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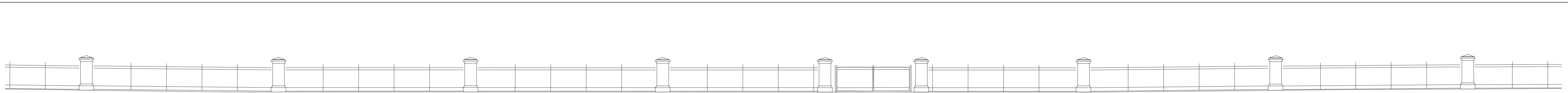


NOTE: PILASTER FOUNDATION AND MOW CURB NOT SHOWN

FENCE ELEVATION 28+47 TO 32+02

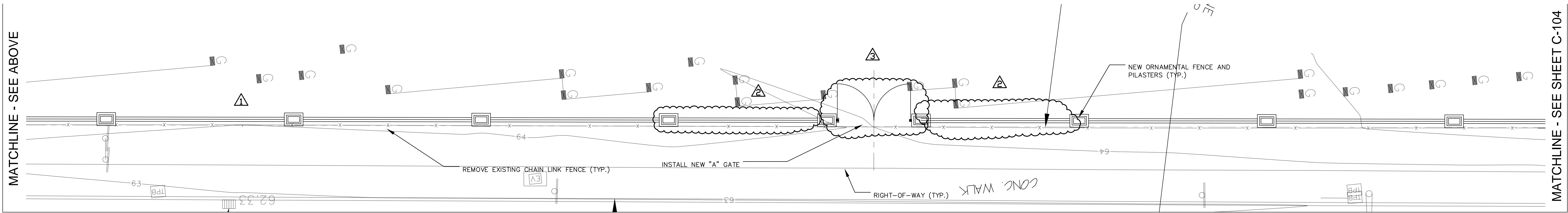


FENCE SEGMENT 28+47 TO 32+02

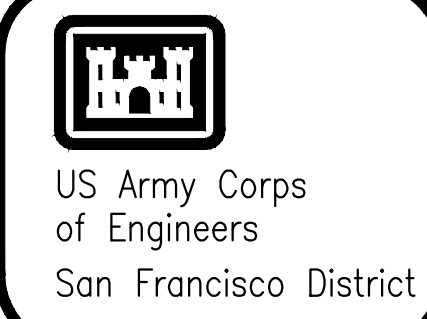
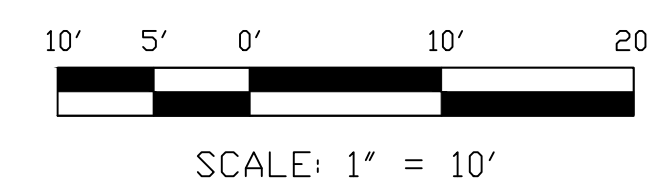
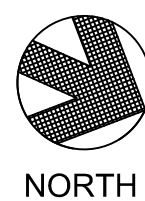
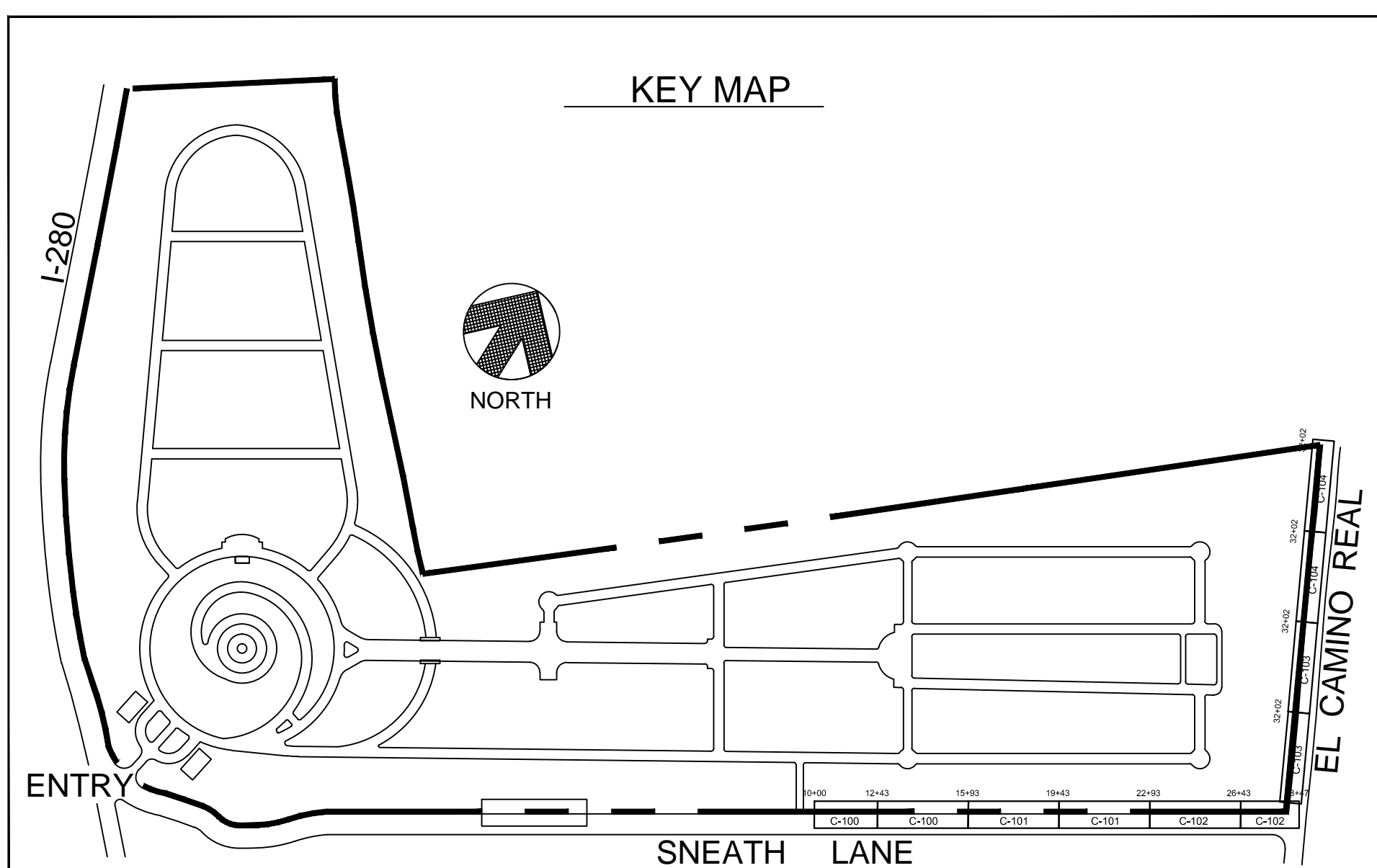


NOTE: PILASTER FOUNDATION AND MOW CURB NOT SHOWN

FENCE ELEVATION 32+02 TO 35+52



FENCE SEGMENT 32+02 TO 35+52



Symbol	Description	Date	Approval
▲	Pilasters spaced at 48 ft. on center (TYP.)		
△	Pilasters spaced at 36 ft. on center to accommodate gate		
△	16 ft. gate and adjacent pilasters tied centered to adjacent fence alignments		

Prepared by:	Date:	7/26/2016
Des. by:	Spec. No.:	
Reviewed by:	Design file no.:	X-XX-XXXX
Submitted by:	Drawing Code:	XXXX
	Proj. name:	
	Plot date:	
	Dwg. scale:	

DEPARTMENT OF THE ARMY  
CORPS OF ENGINEERS  
SAN FRANCISCO, CALIFORNIA

US Army Corps of Engineers  
San Francisco District  
655 S. Francisco Street  
San Francisco, CA 94103

CALIFORNIA

GOLDEN GATE NATIONAL CEMETERY  
PERIMETER FENCE REPLACEMENT PROJECT

FENCE REPLACEMENT SEGMENT  
STA. 28+47 TO 35+52

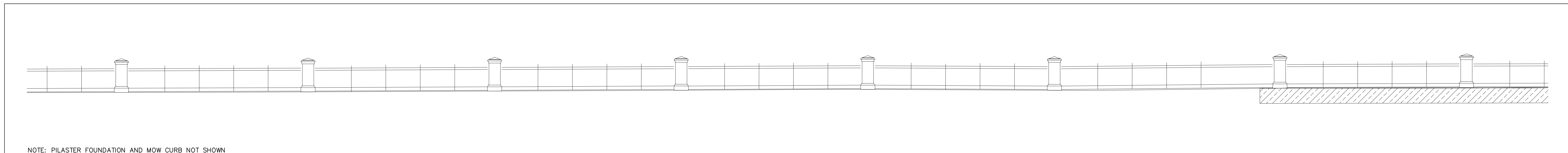
Sheet reference number:  
**C-103**  
SHEET 9 OF 18

4

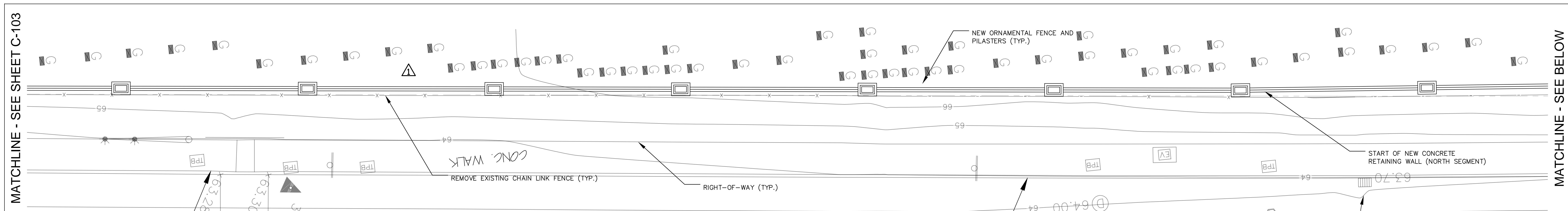
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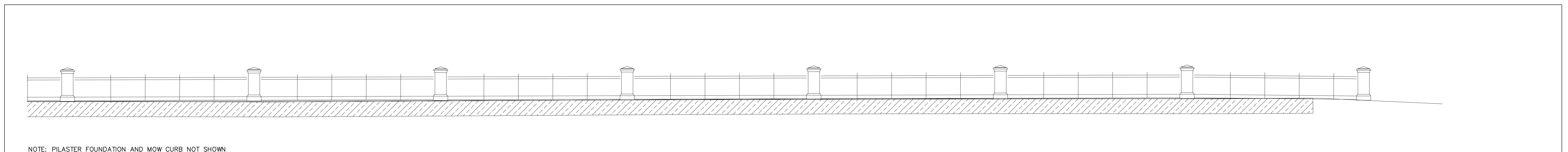
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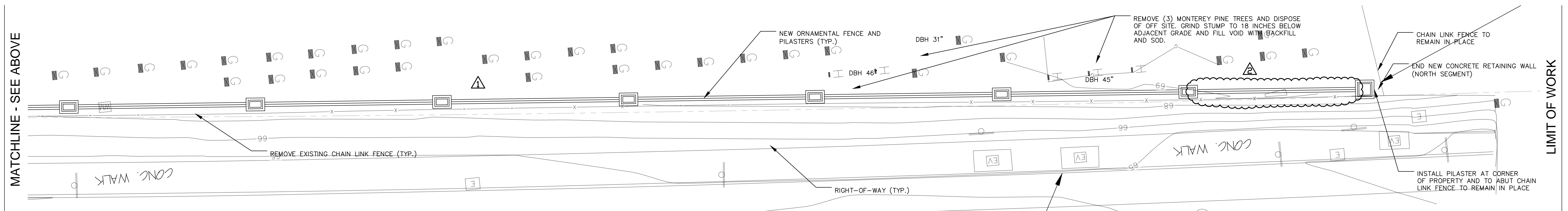
FENCE ELEVATION 35+52 TO 39+02



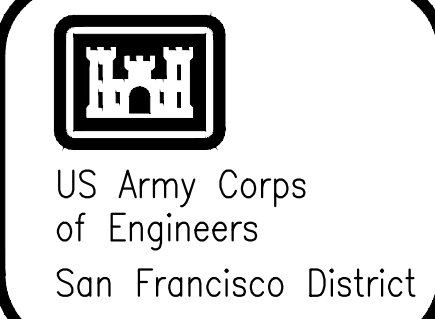
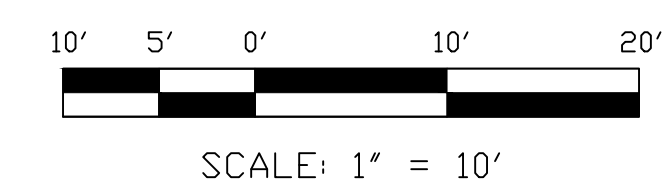
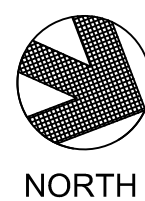
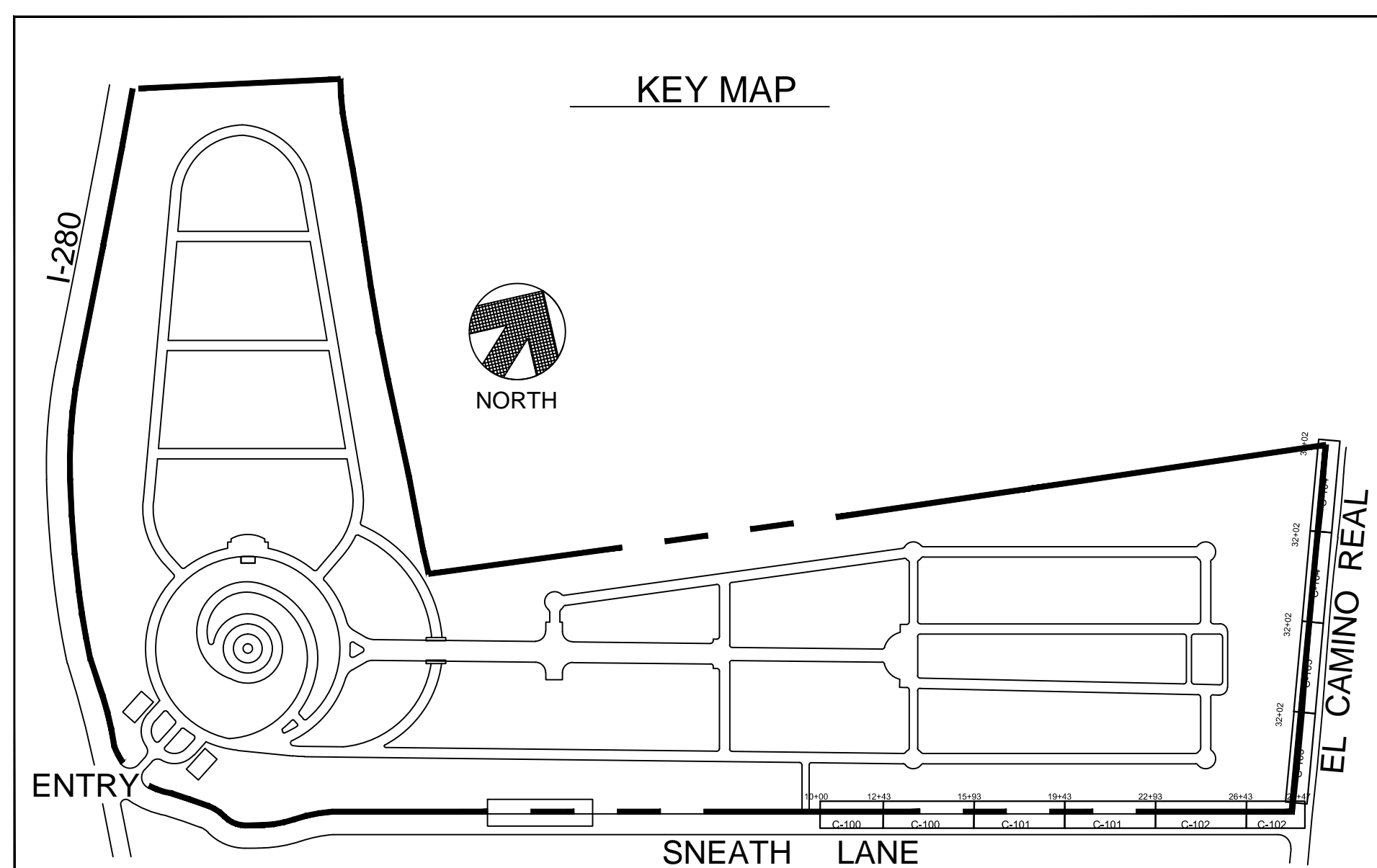
FENCE SEGMENT 35+52 TO 39+02



FENCE ELEVATION 39+02 TO 42+25



FENCE SEGMENT 39+02 TO 42+25



Symbol	Description	Date	Approved
	Pilasters spaced at 48 ft. on center (TYP.)		
	Pilasters spaced at 41 ft. to accommodate end of work		

Prepared by: N. Malasavage	Date: 7/26/2016	Rev.
Drawn by: M. Young	Design file no: X-XX-XXXX	
Reviewed by: J. Ide	Spec No. of 19	
Submitted by: TBD	Drawing Code: XXXX	
	File name: San Francisco District	
	Plot name: San Francisco, CA 94103	
	Plot scale:	

DEPARTMENT OF THE ARMY  
CORPS OF ENGINEERS  
SAN FRANCISCO, CALIFORNIA

**US Army Corps of Engineers**  
San Francisco District  
San Francisco, CA 94103

CALIFORNIA

SAN BRUNO

GOLDEN GATE NATIONAL CEMETERY  
PERIMETER FENCE REPLACEMENT PROJECT  
FENCE REPLACEMENT SEGMENT  
STA. 35+52 TO 42+25

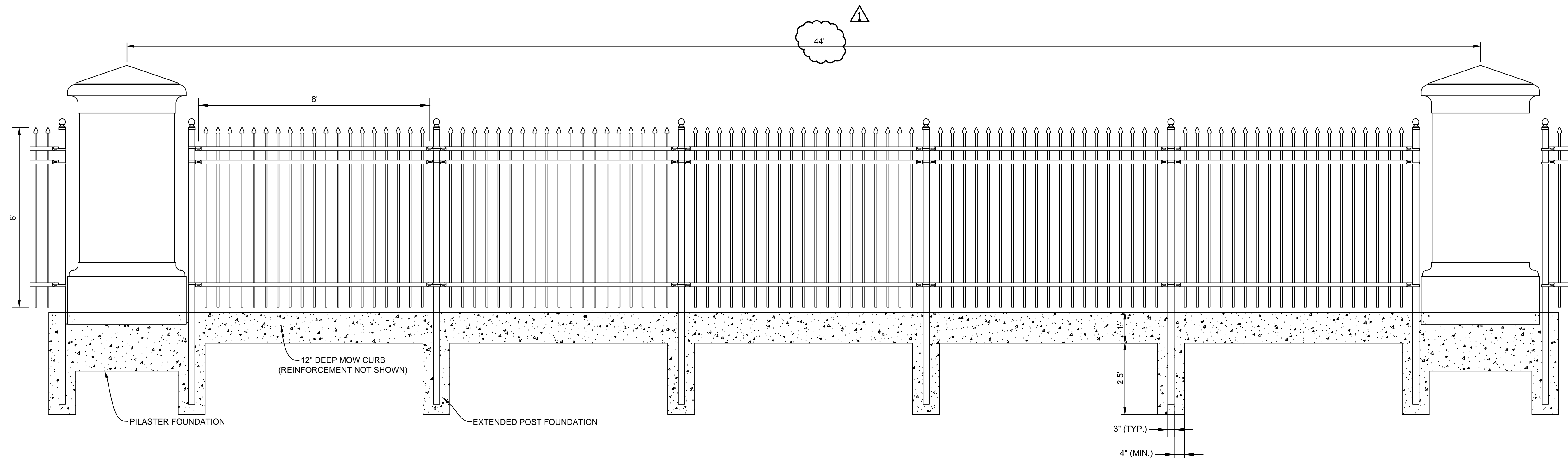
Sheet reference number:  
**C-104**  
SHEET 10 OF 18

4

3

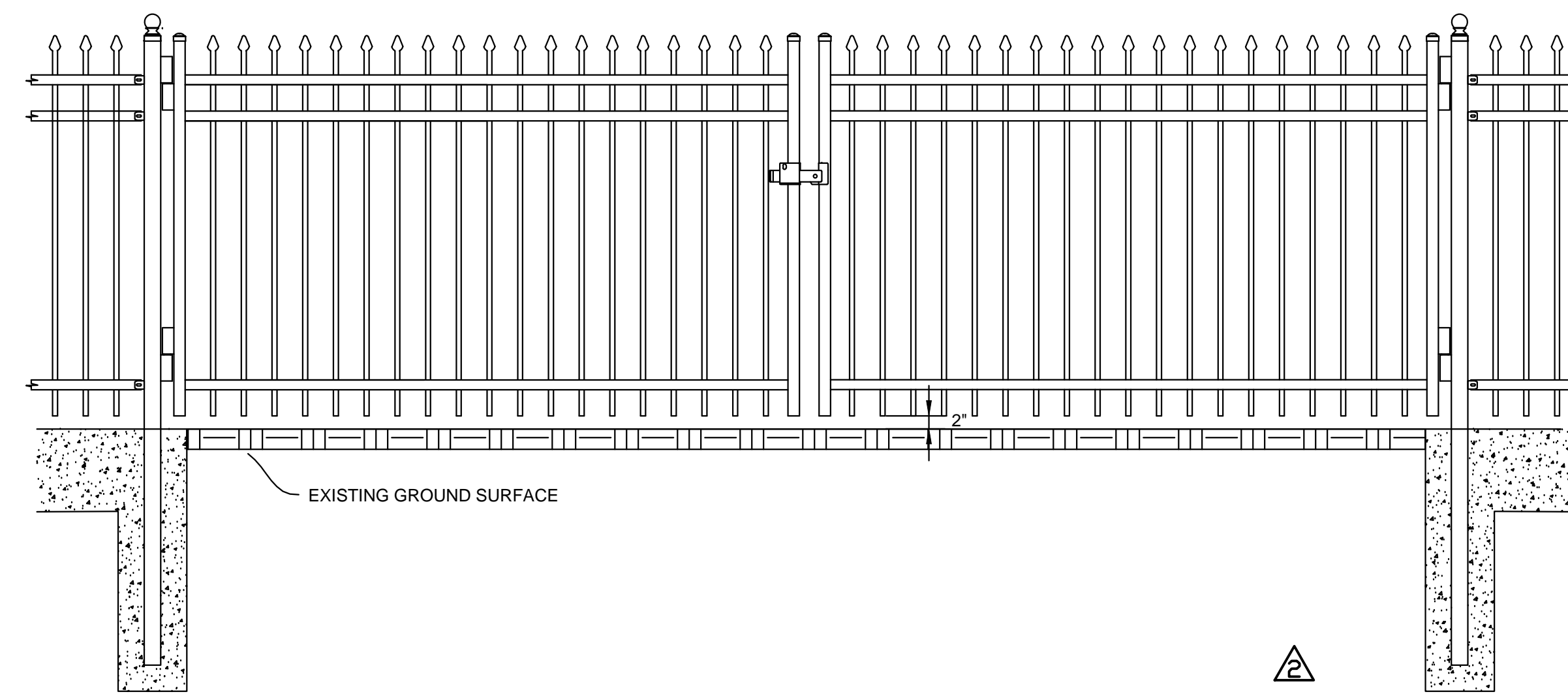
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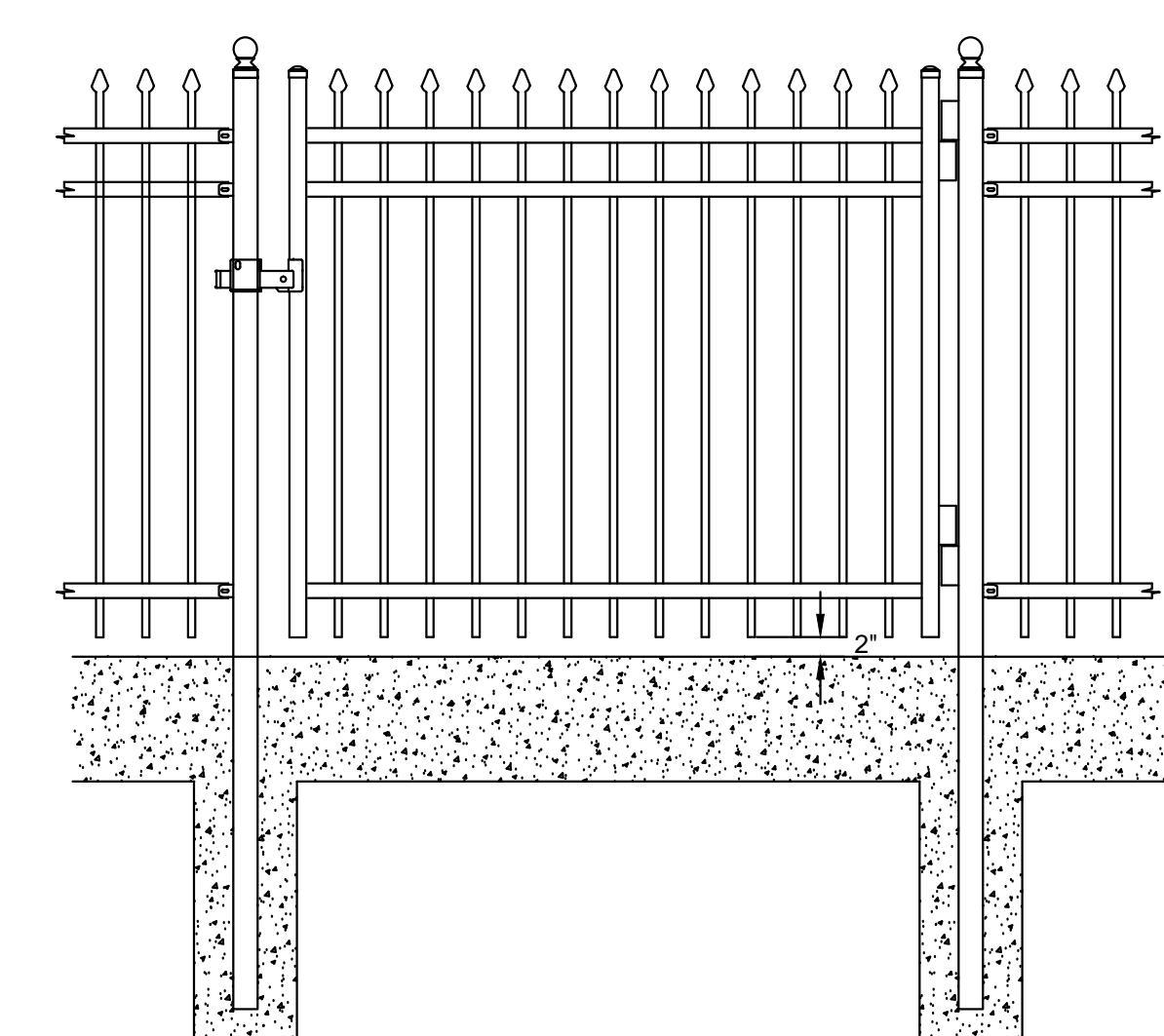


**D1** ORNAMENTAL METAL (TUBULAR STEEL) FENCE & PILASTERS - TYPICAL SEGMENT - ELEVATION  
1 INCH = 2 FEET

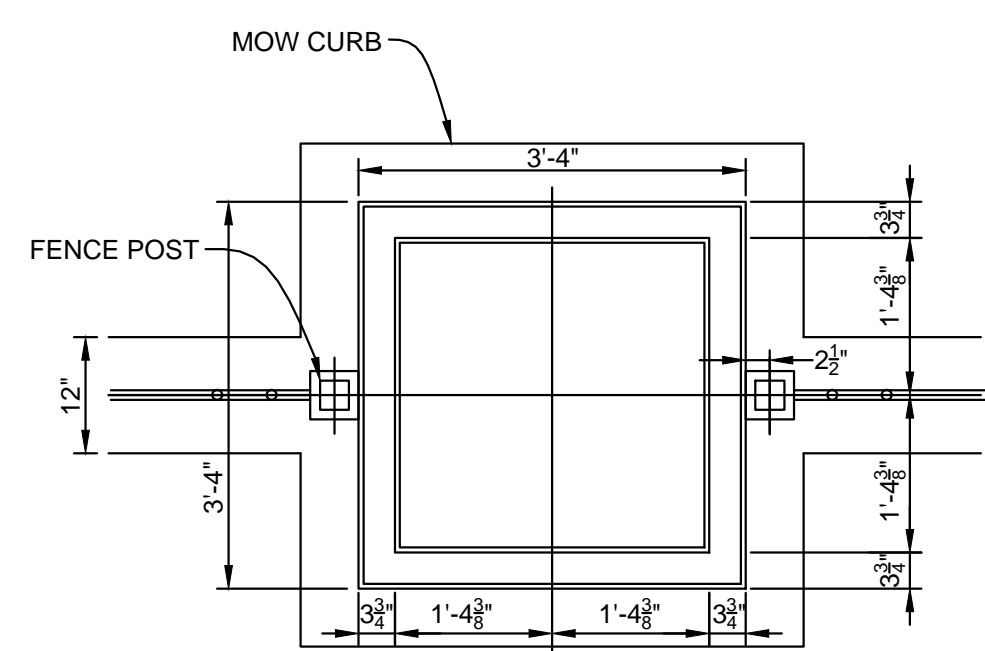
- NOTES:**
- FENCE REPLACEMENT IS INTENDED TO USE MODERN COMMERCIALY AVAILABLE MATERIALS TO MIMIC EXISTING HISTORIC CEMETERY FENCE AESTHETICS.
  - TYPICAL FENCE AND PILASTER ALIGNMENT CAN BE MODIFIED +/- 2 FEET TO ACCOMMODATE FENCE MANUFACTURER DIMENSIONS AND TOLERANCES.
  - MEANS AND METHODS FOR INSTALLATION SHALL ADHERE TO THE MANUFACTURER'S WRITTEN INSTRUCTIONS.
  - PADLOCKS SHALL BE PROVIDED FOR GATE HASPS AS DESCRIBED IN SECTION 32 31 13 OF THE SPECIFICATIONS.
  - TYPICAL REINFORCEMENT CONFIGURATION FOR REINFORCED CONCRETE SHOWN ON SHEET D-002. SEE SPECIFICATIONS FOR DETAILS ON REINFORCEMENT.
  - SEE SPECIFICATIONS SECTION 10 14 01 FOR MATERIALS, FINISHES, AND DIMENSIONS FOR THE SIGNAGE SHOWN IN DETAIL D6.



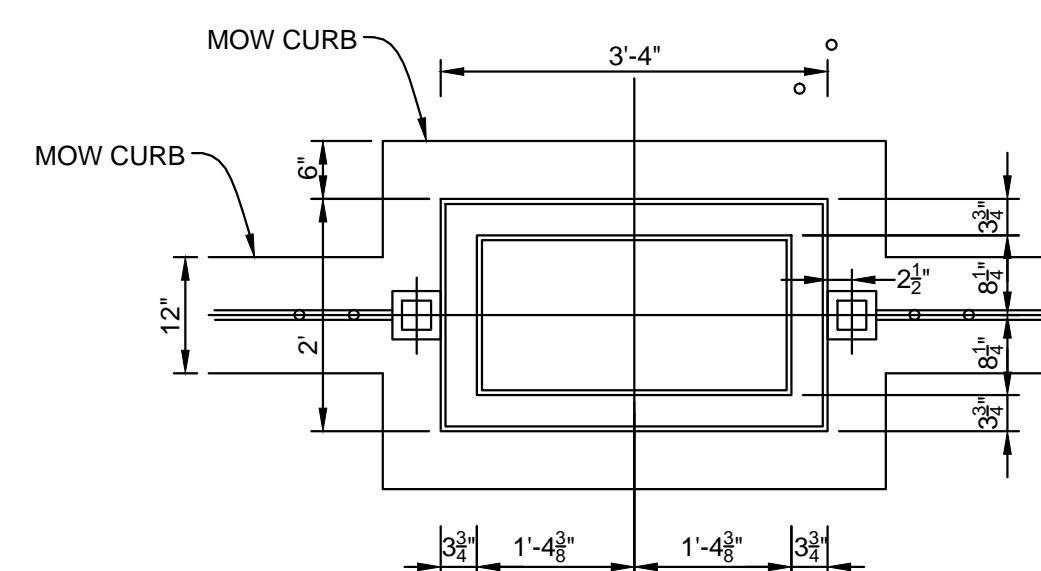
**D2** ORNAMENTAL METAL (TUBULAR STEEL) GATE "A"  
1 INCH = 1.5 FEET



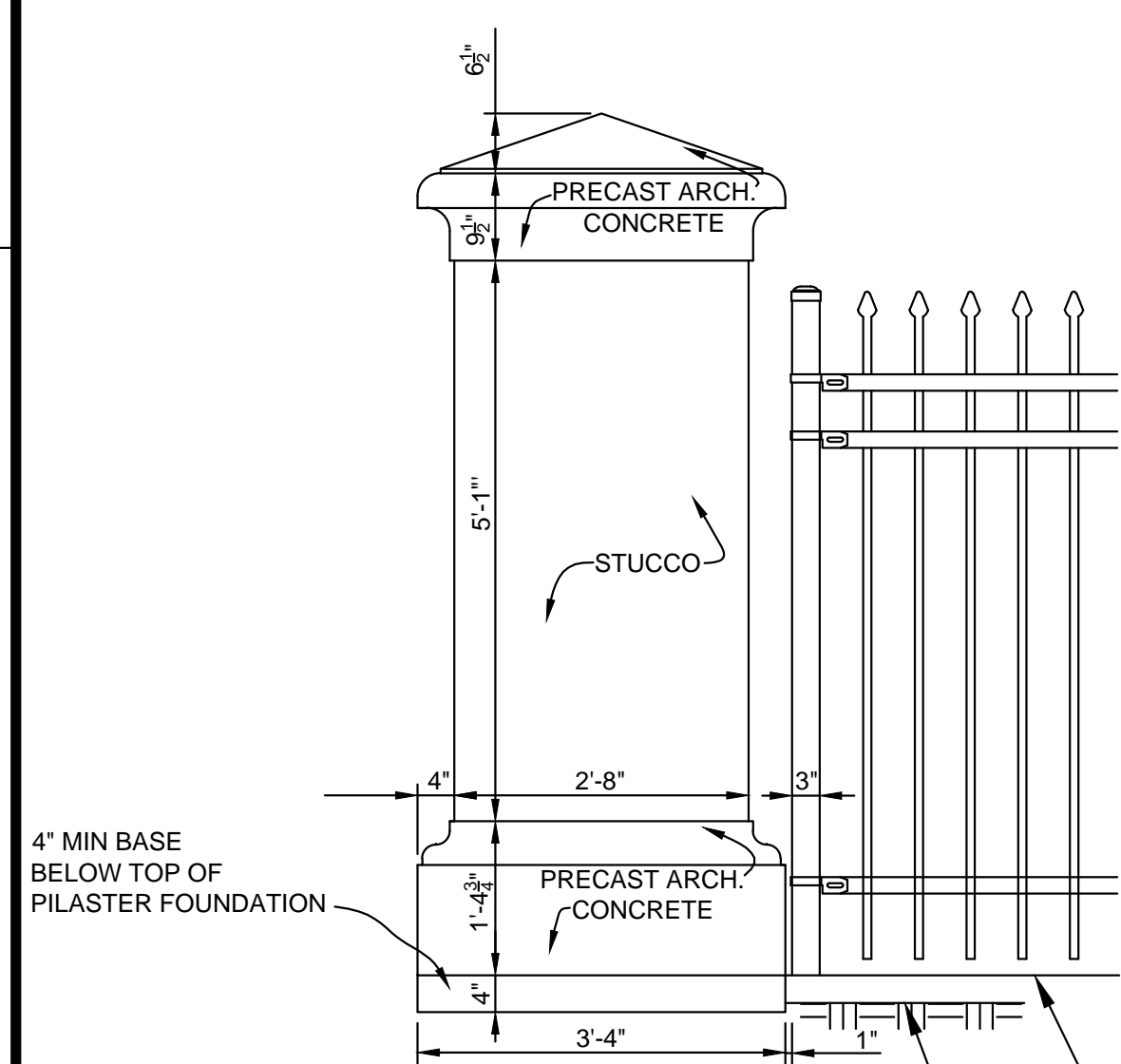
**D3** ORNAMENTAL METAL (TUBULAR STEEL) GATE "B"  
1 INCH = 1.5 FEET



PLAN

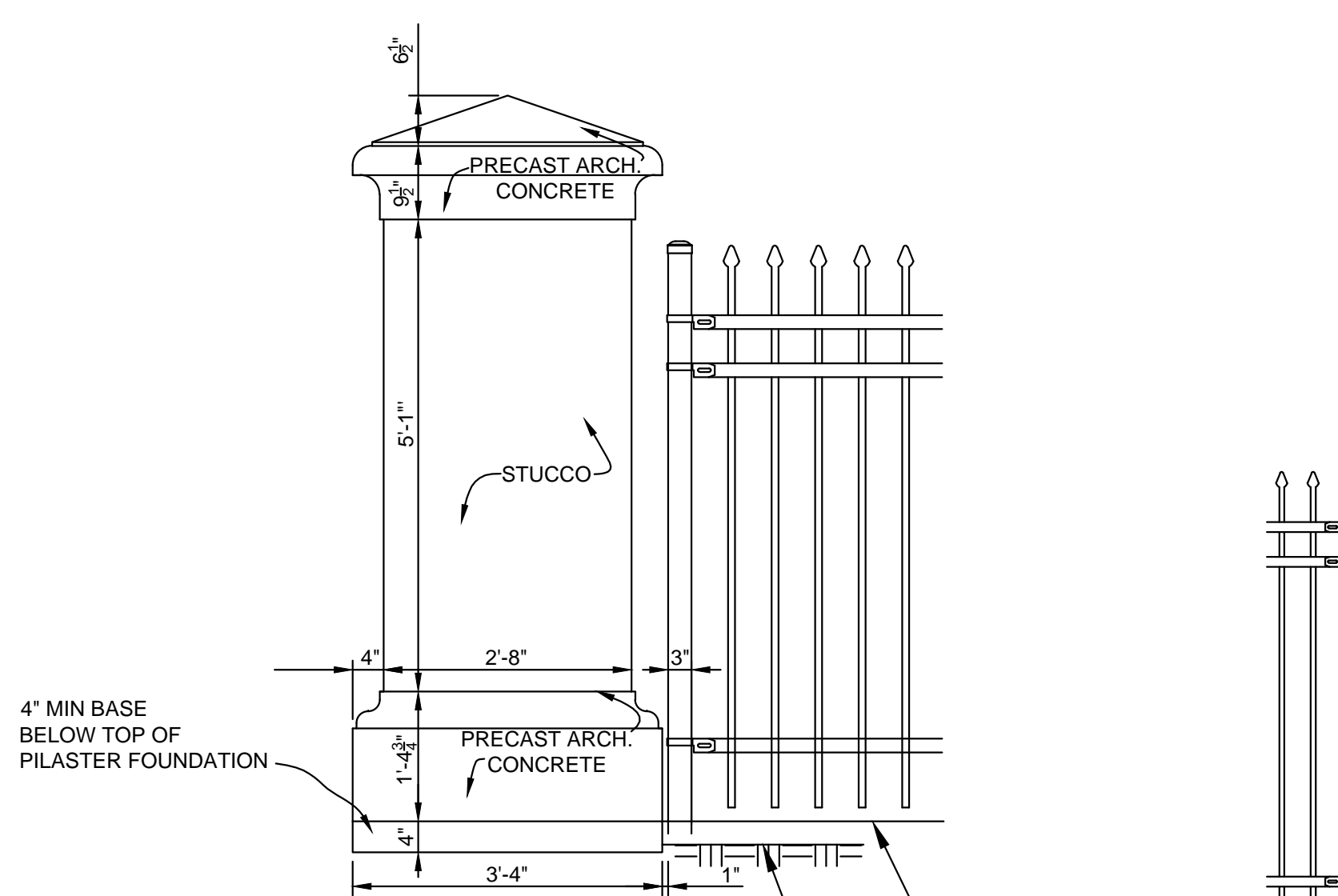


PLAN



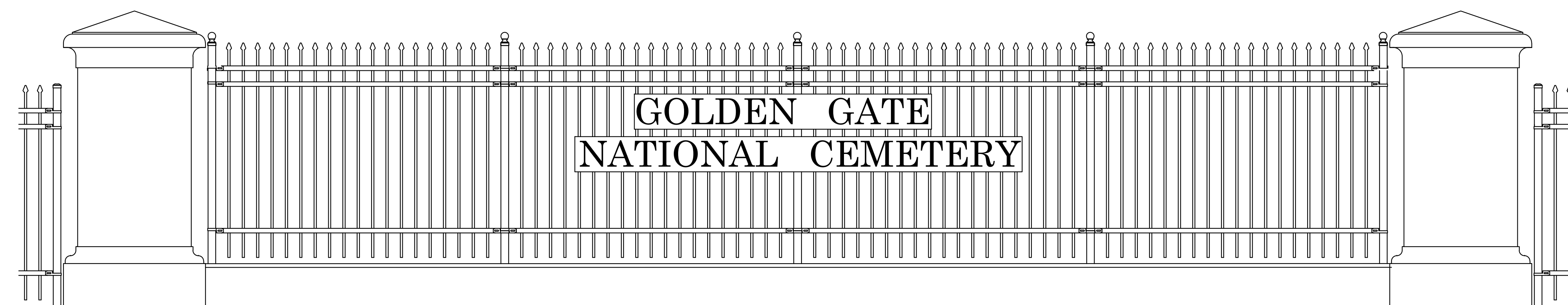
ELEVATION

**D4** PILASTER "A" - SIGN WALL & CORNERS  
NOT TO SCALE

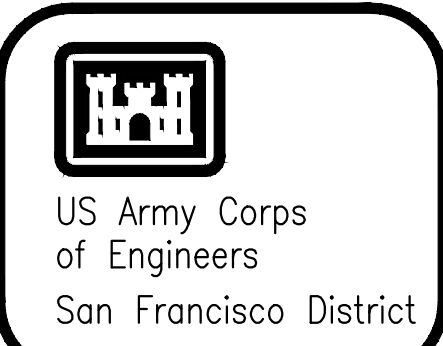


ELEVATION

**D5** PILASTER "B" - TYP. ALONG FENCLINE  
NOT TO SCALE



**D6** ORNAMENTAL METAL FENCE & PILASTERS AT SIGN WALL - ELEVATION  
1 INCH = 2 FEET



Rev.	Date	Description	Symbol	Date	Approved

Prepared by: N. Malasavage	Date: 7/26/2016	Design file no: X-XX-XXXX	Spec No.:	of 19	Drawing Code: XXXX	File name: Pile.dwg	Dwg scale:
Drawn by: M. Young							
Reviewed by: J. Ide							
Submitted by: TBD							

DEPARTMENT OF THE ARMY  
CORPS OF ENGINEERS  
SAN FRANCISCO, CALIFORNIA

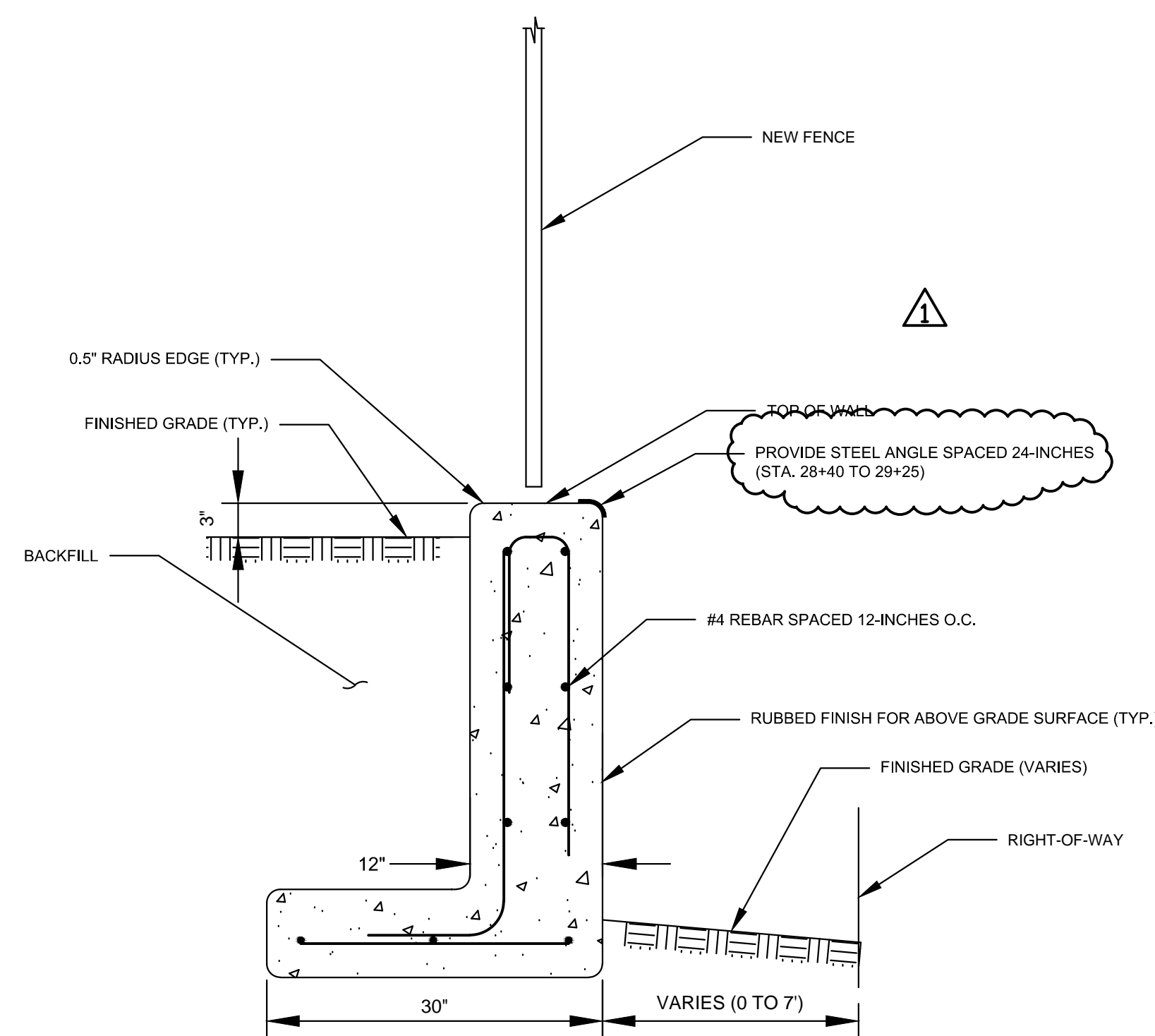
**US Army Corps of Engineers**  
San Francisco District  
225 Market Street  
San Francisco, CA 94103

CALIFORNIA

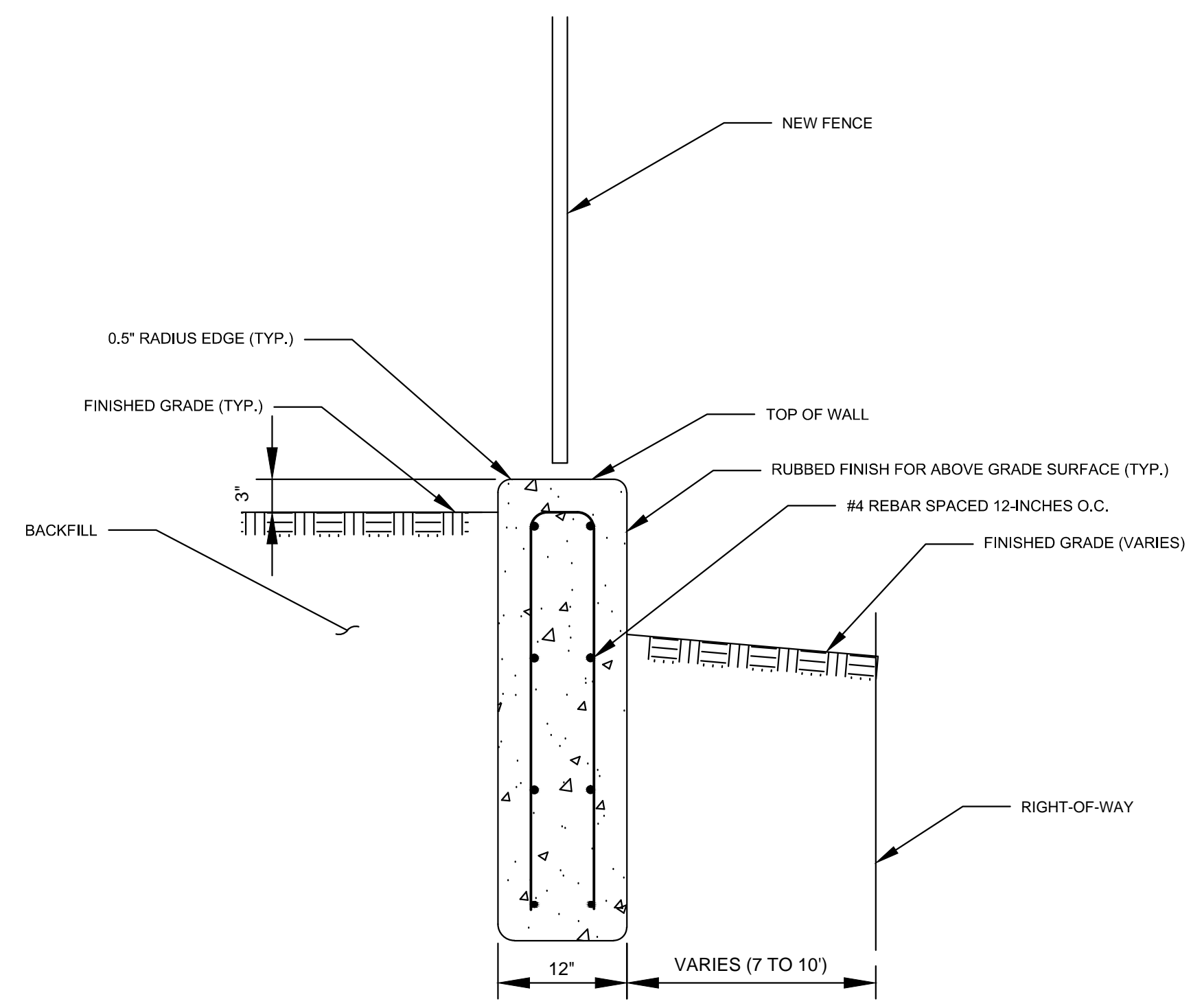
GOLDEN GATE NATIONAL CEMETERY  
PERIMETER FENCE REPLACEMENT PROJECT

FENCE AND PILASTER DETAILS

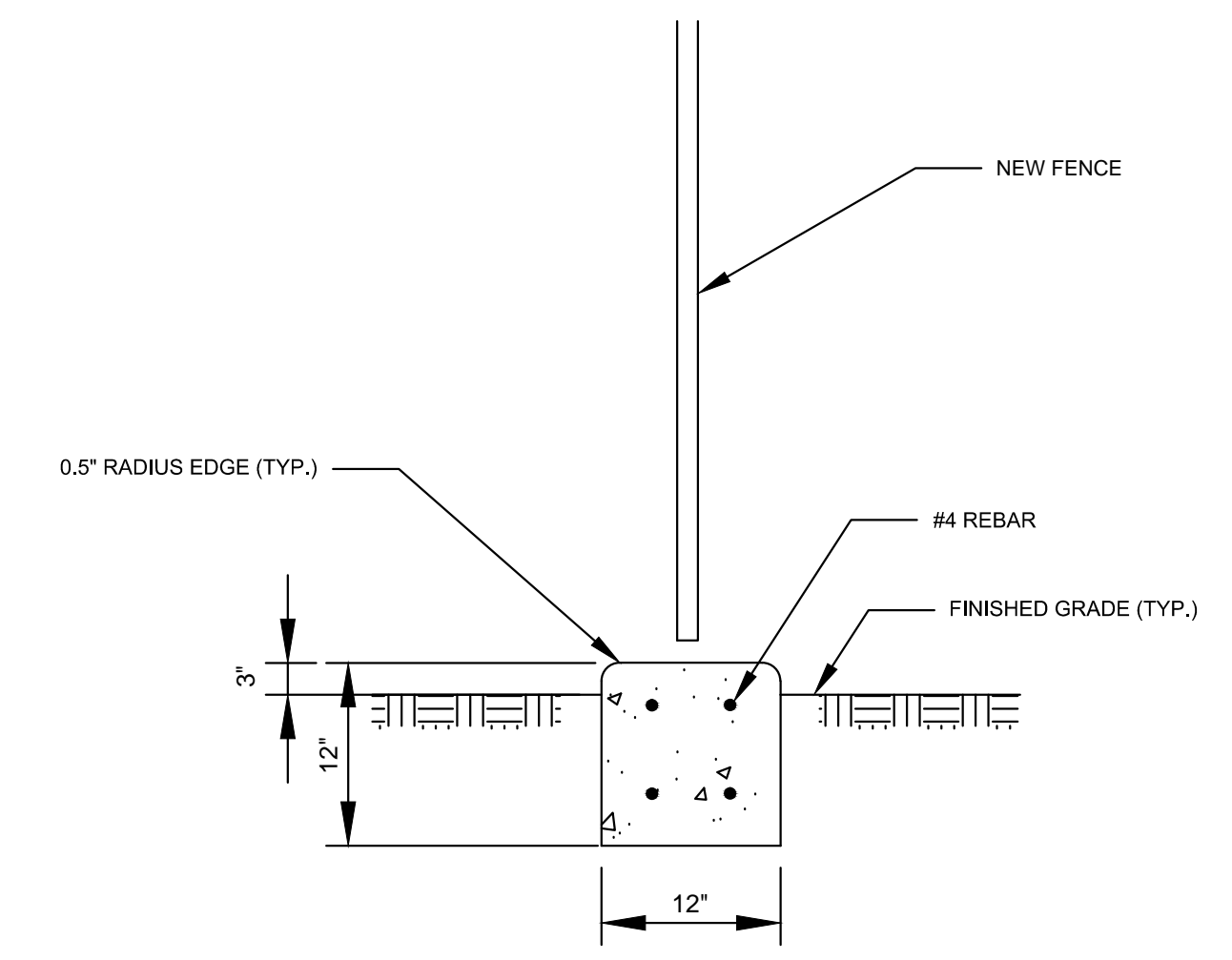
Sheet reference number:  
**D-001**  
SHEET 11 OF 18



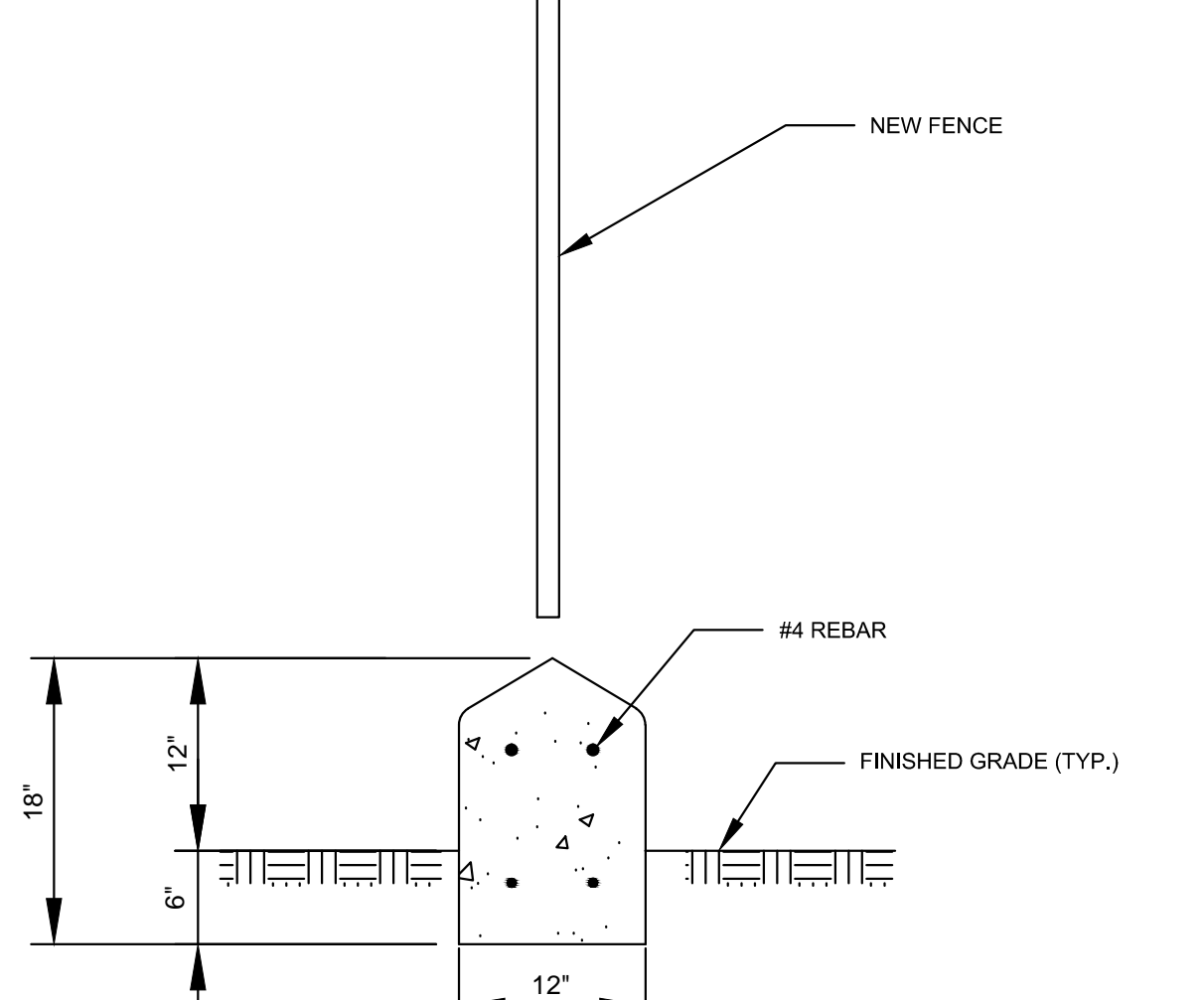
**D7** RETAINING WALL, SOUTH SEGMENT (STA. 28+40 TO 30+75)  
1 INCH = 1.0 FEET



**D8** RETAINING WALL, NORTH SEGMENT (STA. 38+45 TO 42+25)  
1 INCH = 1.0 FEET

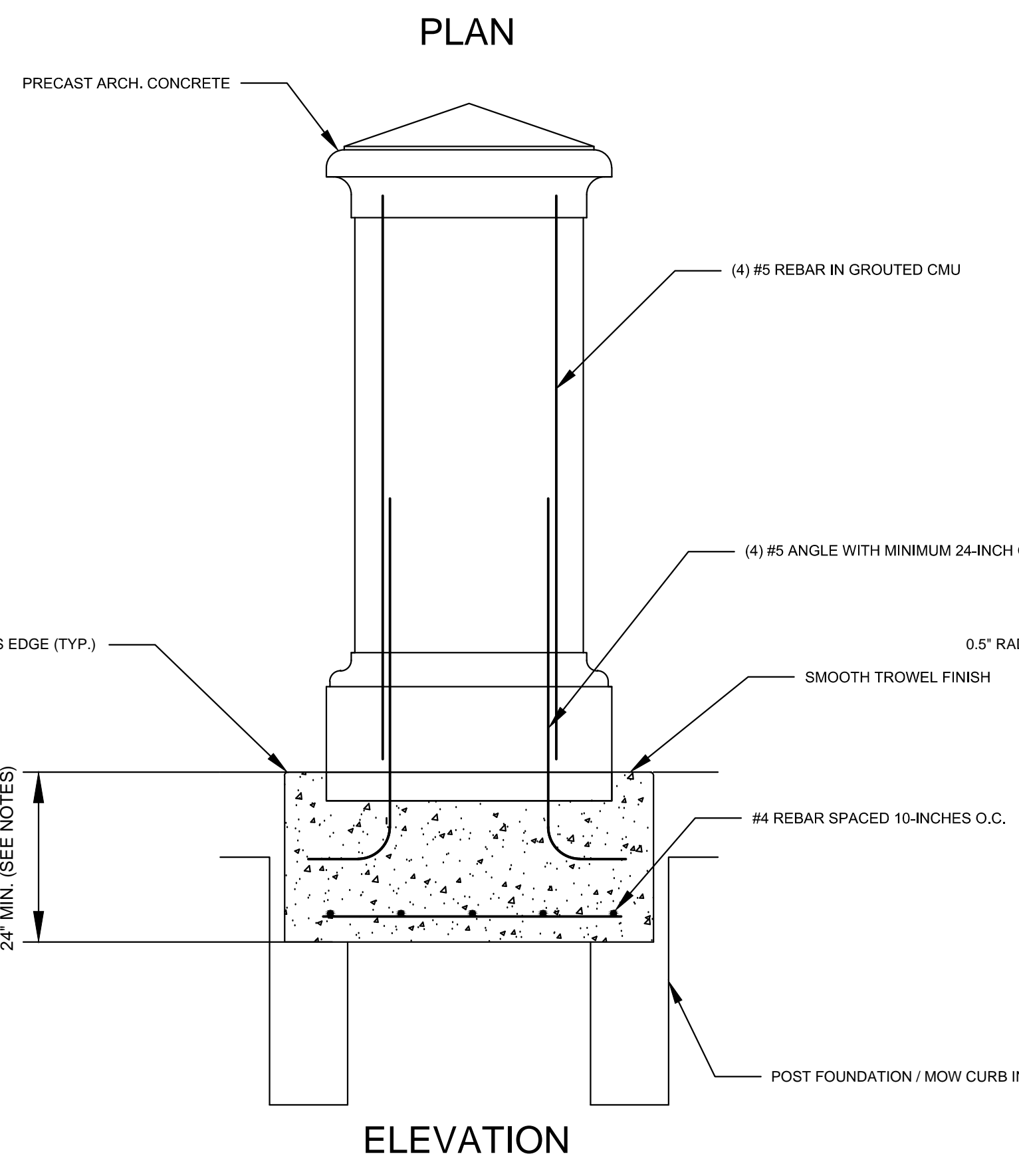
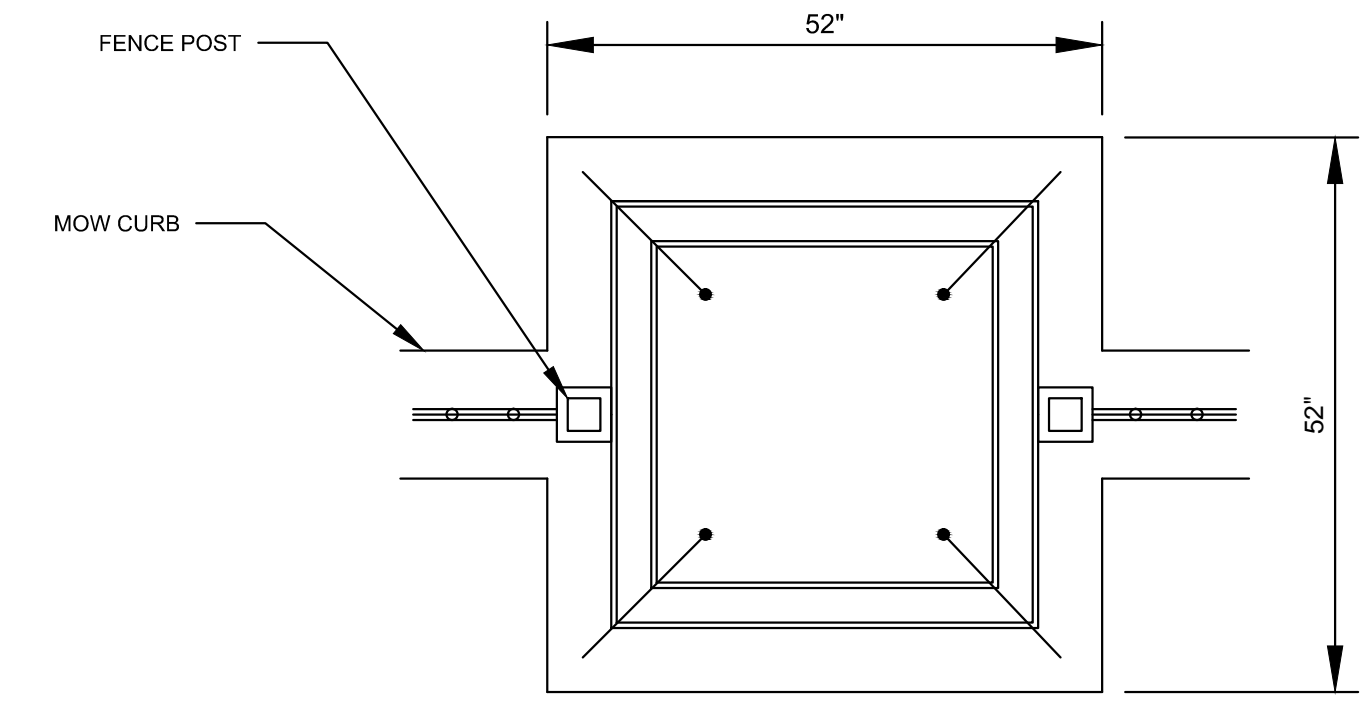


**D9** MOW CURB (TYPICAL)  
1 INCH = 1.0 FEET

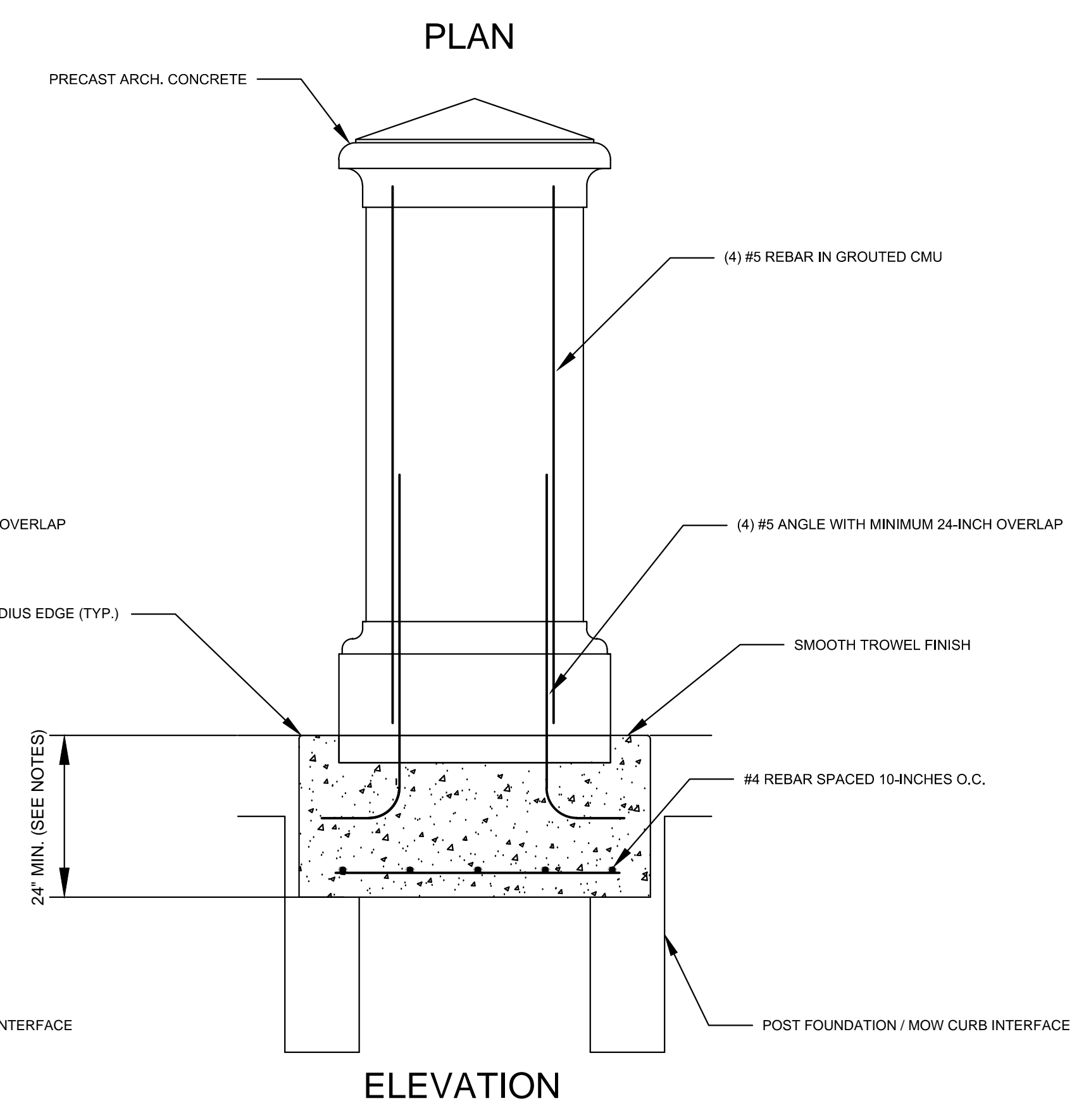
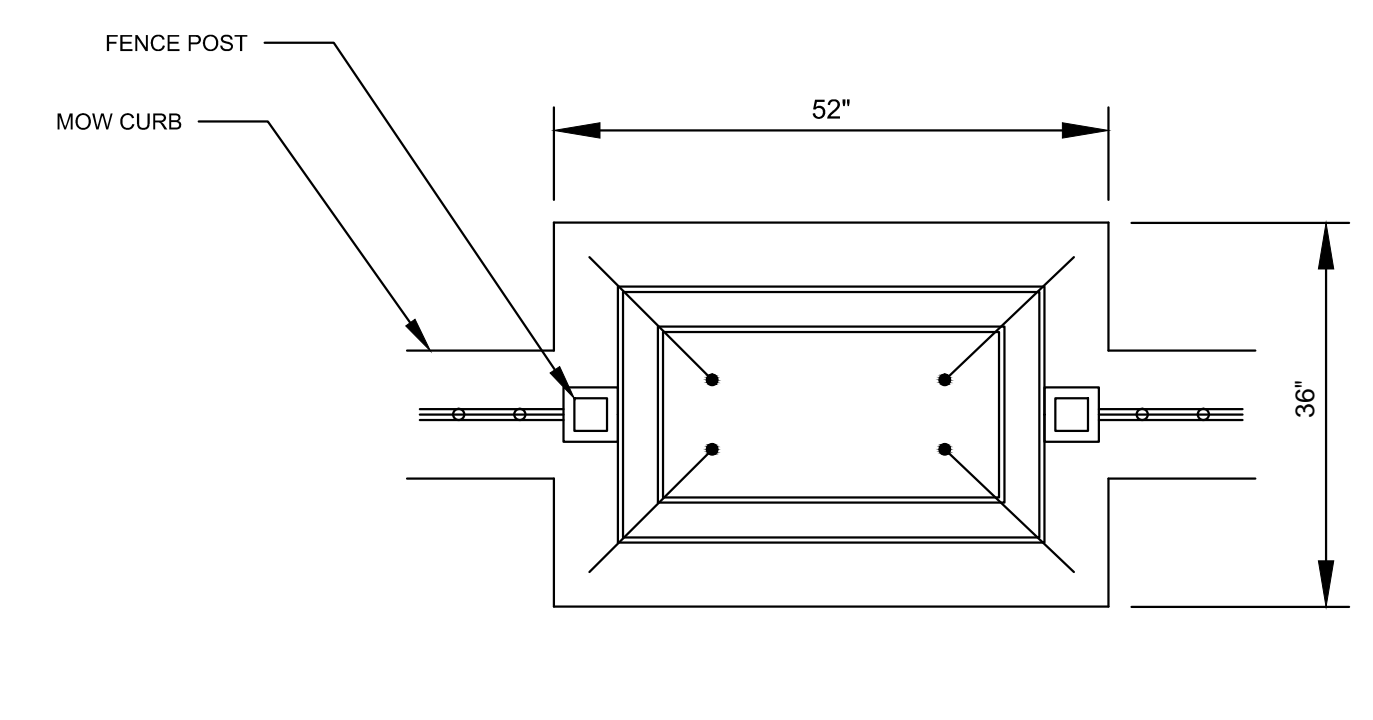


**D10** MOW CURB (SIGN WALL)  
1 INCH = 1.0 FEET

NOTE: THERE SHALL BE NO MOW CURB INSTALLED BENEATH GATE "A". THE MOW CURB BENEATH GATE "B" SHALL CONFORM TO THAT SHOWN IN DETAIL D9.

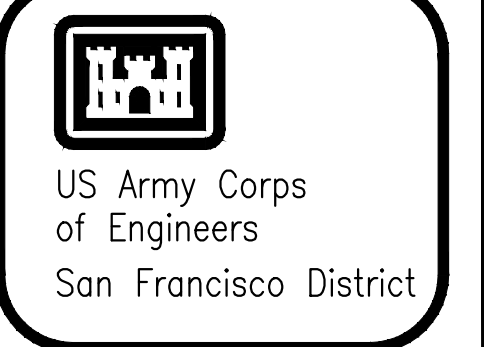


**D11** PILASTER "A" FOUNDATION & REINFORCEMENT  
1 INCH = 1.5 FEET



**D12** PILASTER "B" FOUNDATION & REINFORCEMENT  
1 INCH = 1.5 FEET

- NOTES:**
1. CMU PILASTER TO BE CONSTRUCTED IN ACCORDANCE WITH SPECIFICATION 04 20 00. CMU BLOCK SHALL BE REINFORCED AND GROUTED. REINFORCEMENT IN CMU BLOCK SHALL EXTEND FROM THE PILASTER BASE TO THE CAP.
  2. REINFORCEMENT CONNECTIONS BETWEEN ARCHITECTURAL CONCRETE FOR PILASTER BASE AND CAP AND THE PILASTER FOUNDATION AND PILASTER BODY SHALL FOLLOW MANUFACTURER'S INSTRUCTIONS.
  3. CONTRACTOR SHALL SELECT CMU BLOCK FOR EACH PILASTER TYPE PER THE SPECIFICATIONS OR CAST IN PLACE.
  4. PILASTER FOUNDATION HEIGHT SHALL EXTEND 42 INCHES WHEN THE NEW ORNAMENTAL FENCE ALIGNMENT COINCIDES WITH A NEW RETAINING WALL.
  5. THE INTERFACE OF THE PILASTER FOUNDATION TO THE FENCE POST FOUNDATION AND MOW CURB SHALL BE POURED MONOLITHICALLY. MOW CURB REINFORCEMENT NOT IN CONFLICT WITH THE PRECAST ARCHITECTURAL CONCRETE BASE SHALL BE CONTINUOUS THROUGH THE PILASTER FOUNDATION.



Symbol	Description	Date	Approved
△	Spacing modified to 36 in. for aesthetics		

Prepared by: N. Malasavage	Date: 7/26/2016	Design file no: X-XX-XXXX
Drawn by: M. Young	Spec No.:	of 19
Reviewed by: J. Ide	Drawing Code: XXXX	
Submitted by: TBD	File name: San Francisco District Perimeter San Francisco, CA 94103	Dwg scale:

DEPARTMENT OF THE ARMY  
CORPS OF ENGINEERS  
SAN FRANCISCO, CALIFORNIA

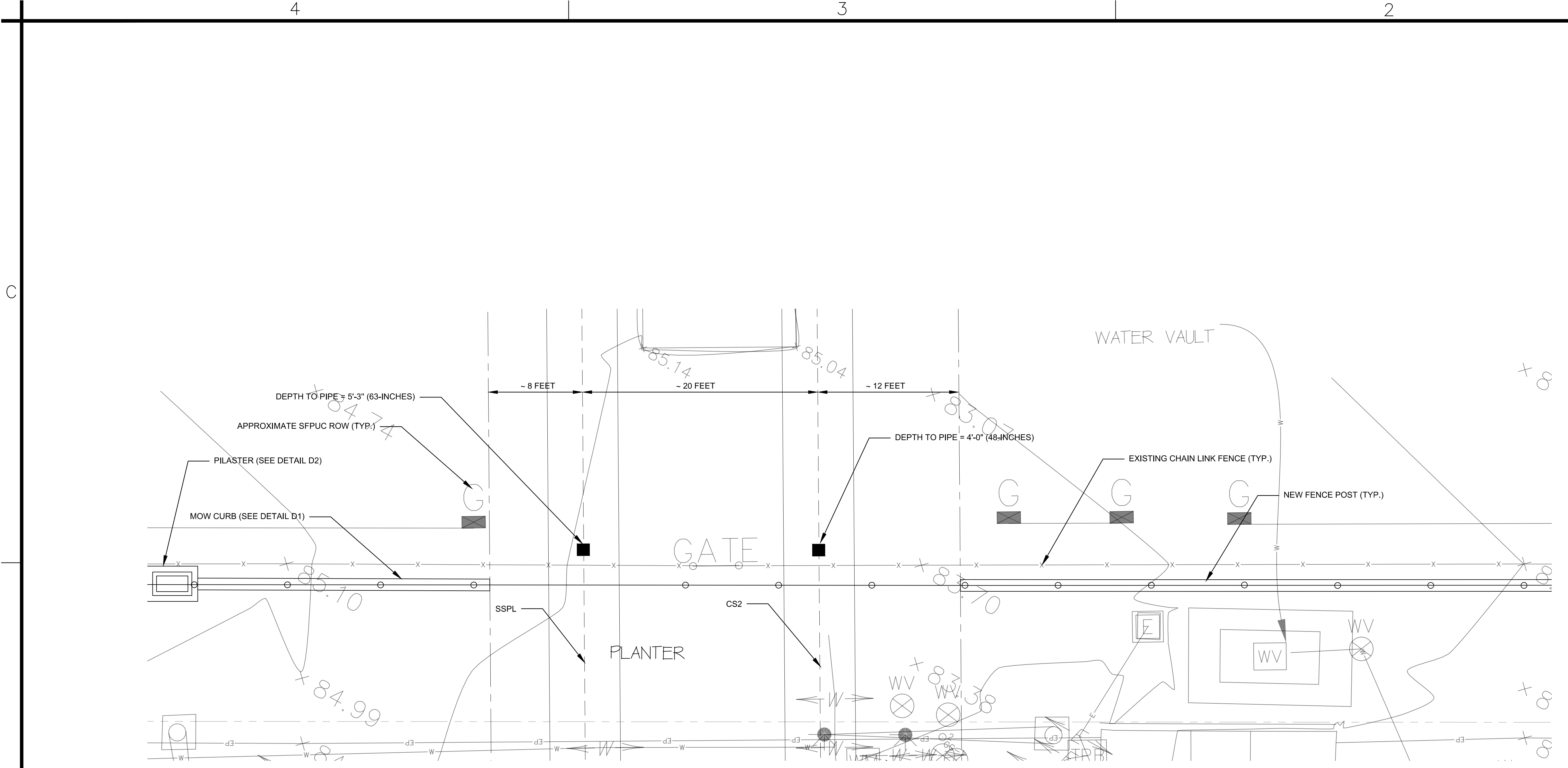
**US Army Corps of Engineers**  
San Francisco District  
155 Harrison Street  
San Francisco, CA 94103

CALIFORNIA  
GOLDEN GATE NATIONAL CEMETERY  
PERIMETER FENCE REPLACEMENT PROJECT  
WALL AND REINFORCEMENT DETAILS

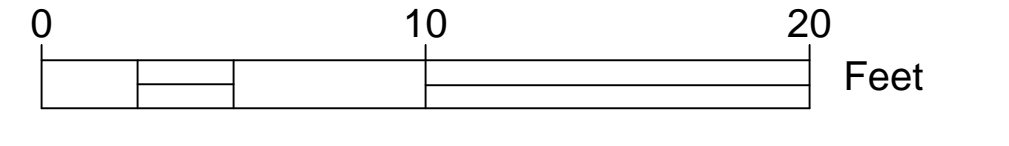
Sheet reference number:  
**D-002**  
SHEET 12 OF 18

Symbol	Description	Date	Approval

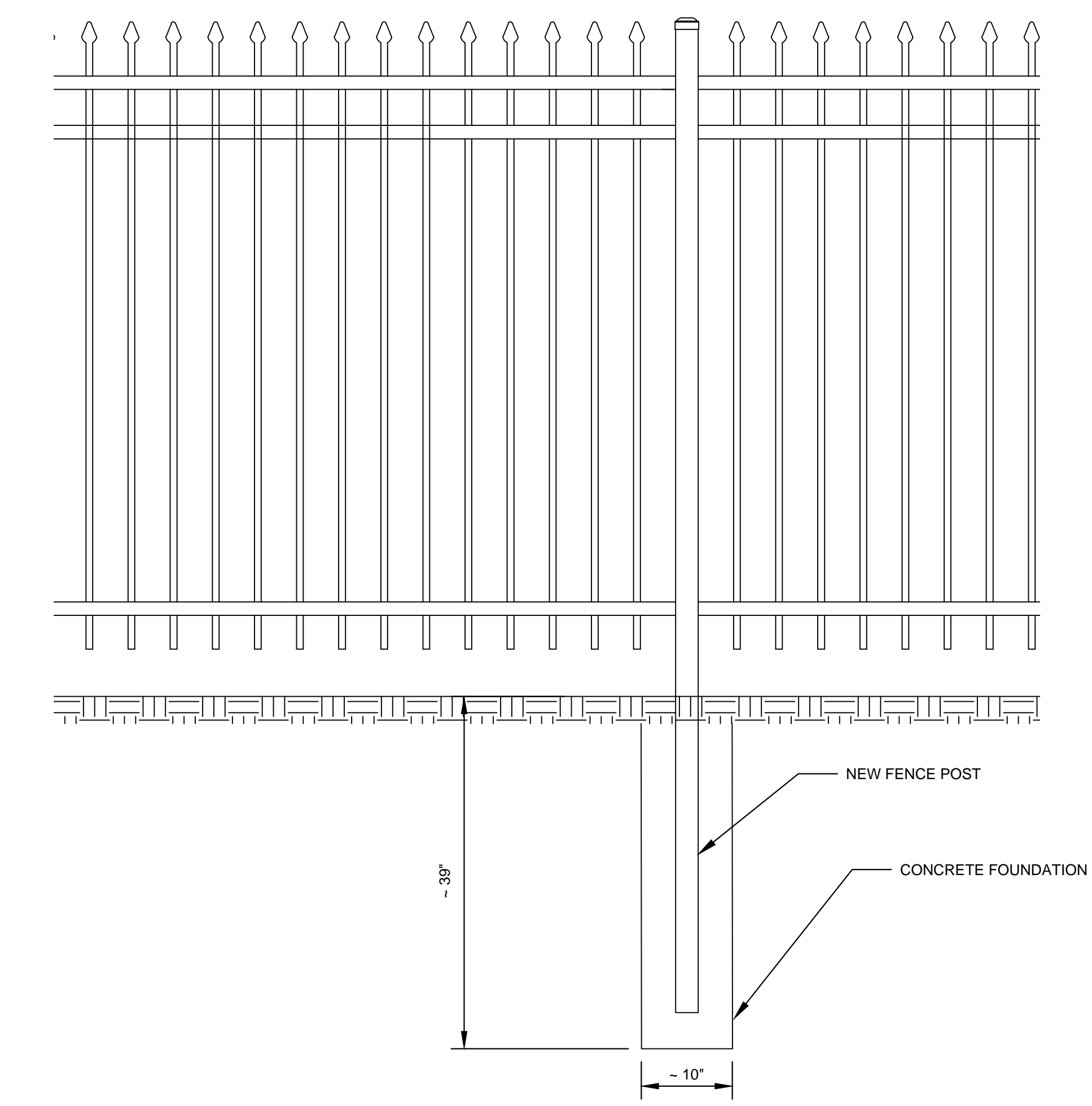
Prepared by: N. Malasavage	Date: 7/26/2016	Rev:
Drawn by: M. Young	Design file no: X-XX-XXXX	
Reviewed by: J. Ide	Spec No. of 19	
Submitted by: TBD	Drawing Code: XXXX	
	File name: P16.dwg	
	Plot name: 	
	Dwg scale: 	



SFPUC CROSSING (PLAN)



- NOTES:**
1. THE CITY AND COUNTY OF SAN FRANCISCO ACTING BY AND THROUGH ITS PUBLIC UTILITIES COMMISSION, WATER SUPPLY AND TREATMENT DIVISION ("SFPUC") OWNS AND OPERATES THREE WATER AQUEDUCTS THAT CROSS THE PROJECT ALIGNMENT. THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICES ALERT (USA) 48 HOURS BEFORE ANY CONSTRUCTION IN THE VICINITY OF THE SFPUC AQUEDUCTS. IN ADDITION, THE CONTRACTOR SHALL NOTIFY THE SFPUC CONSTRUCTION INSPECTOR, MR. ALBERT HAO, AT (650) 871-3015, AT LEAST TEN (10) CALENDAR DAYS PRIOR TO THE START OF ON-SITE CONSTRUCTION IN THE VICINITY OF THE SFWD ROW. IN THE EVENT OF EMERGENCY INVOLVING SFPUC FACILITIES, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY SFPUC BY CALLING SFPUC MILLBRAE DISPATCH AT 650-872-5900.
  2. NO MECHANICAL EXCAVATION IS ALLOWED WITHIN 24 INCHES OF SFPUC PIPELINES. DIGGING WITH 24 INCHES OF PIPELINE MUST BE DONE WITH HAND TOOL. NO VIBRATORY COMPACTION EQUIPMENT SHALL BE USED WITHOUT PRIOR WRITTEN APPROVAL OF THE SFPUC.
  3. CONTRACTOR OBTAINED CONSENT FROM THE SFPUC TO POTHOLE SFPUC PIPELINE TO DETERMINE THE PIPE DEPTH PRIOR TO ANY EXCAVATION. THE POTHOLING WAS CARRIED OUT BY SOIL VACUUM EXTRACTION METHOD. DEPTH TO TOP OF EACH CONDUIT WAS DOCUMENTED IN THE SEPT 29 2015 POTHOLING UNDER PERMIT CST535-15.
  4. MAXIMUM EXTERNAL LOADING OVER SFPUC PIPELINE IS AASHTO H-10 LOADING WITH A MINIMUM OF 3 FEET SOIL COVER (OR H-20 LOADING WITH A MINIMUM OF 4 FEET SOIL COVER). IF LOADING CONDITION EXCEEDS ABOVE, ENGINEERING CALCULATIONS AS SHOWN IN AWWA, M9 MUST BE SUBMITTED TO THE SFPUC TO SHOW THAT PROPOSED CONDITION WOULD IMPOSE A LOAD OF LESS THAN 500 PSF ONTO THE PIPELINE.
  5. PROPOSED FENCE POSTS ARE APPROXIMATELY 3-INCHES DEEPER AND 3-INCHES LARGER IN DIAMETER THAN CHAIN LINK FENCE POSTS WITHIN THE SUBJECT ROW.
  6. BURIED CONDUITS ARE ASSUMED TO BE 5 FEET IN DIAMETER.



SFPUC CROSSING (ELEVATION)

**D1** NEW FENCE POST FOUNDATION  
1 INCH = 1 FEET

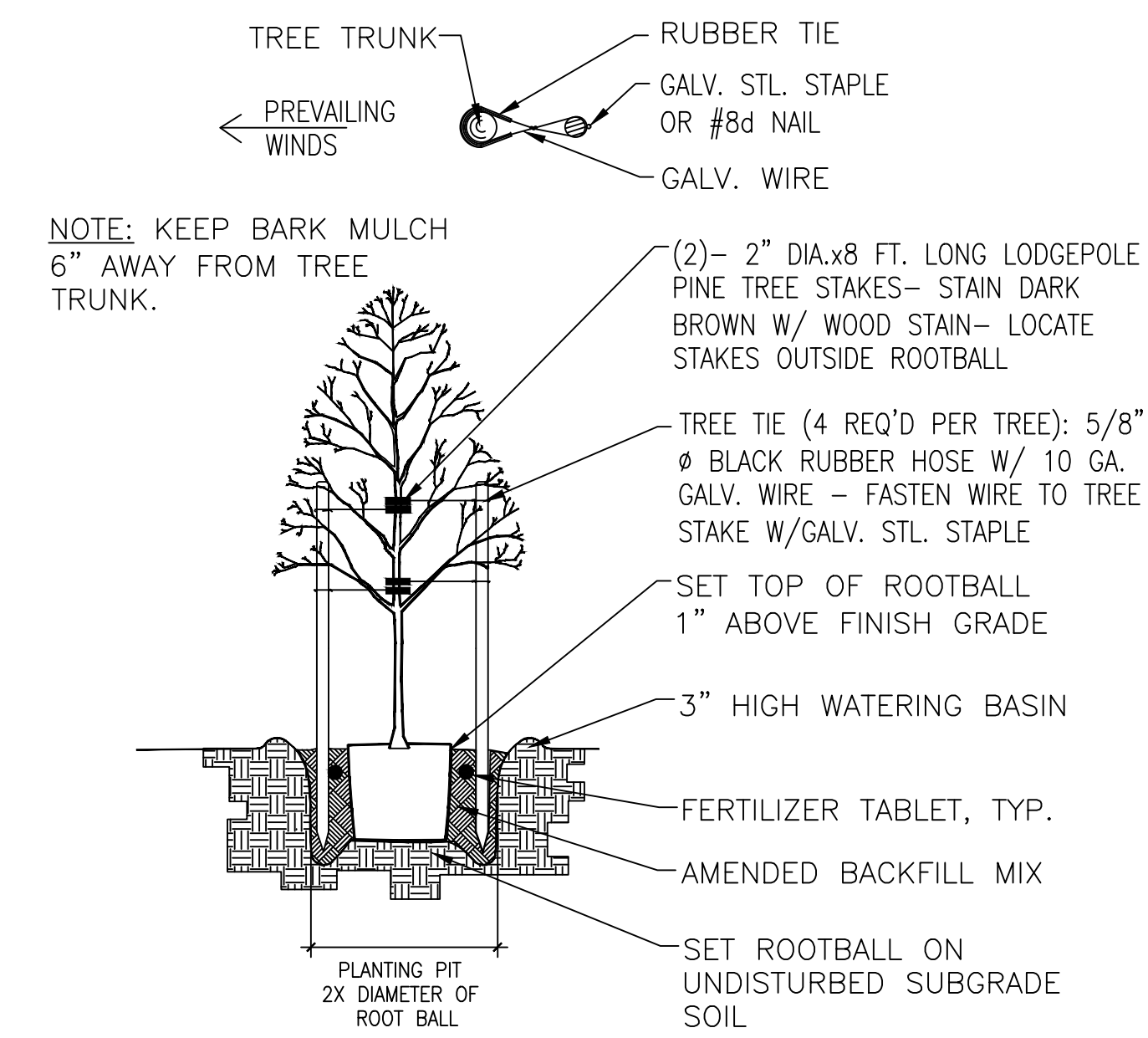
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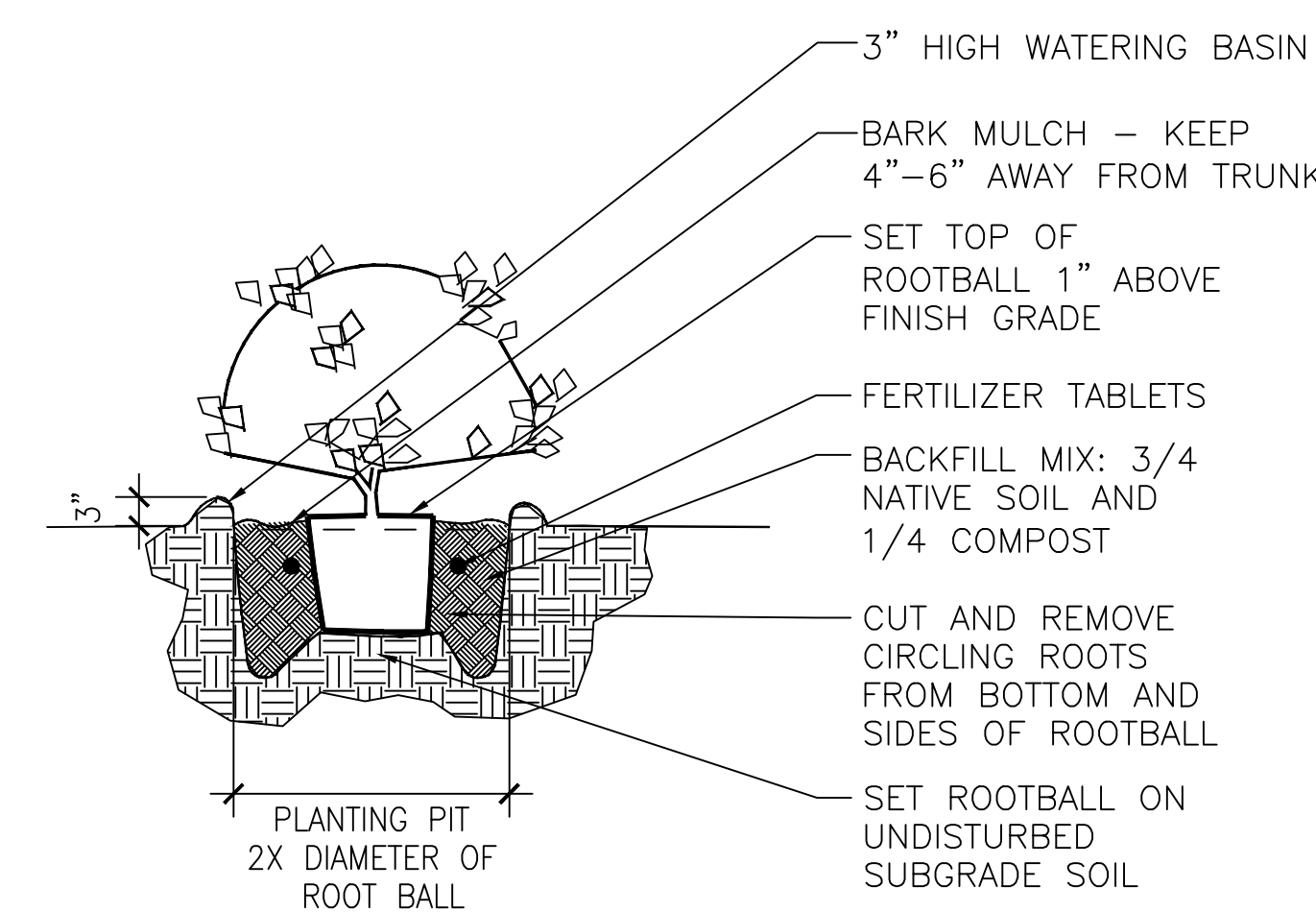
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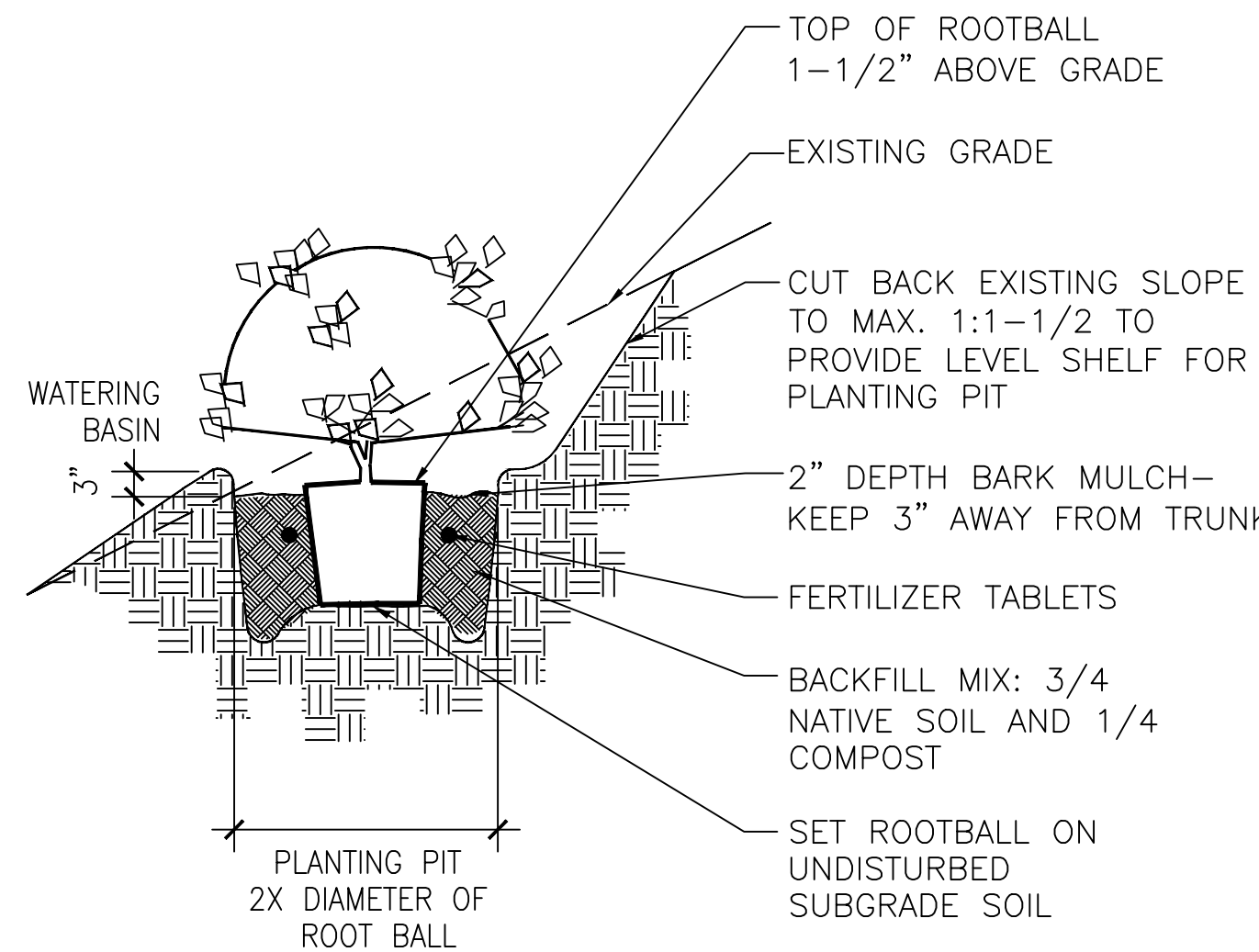
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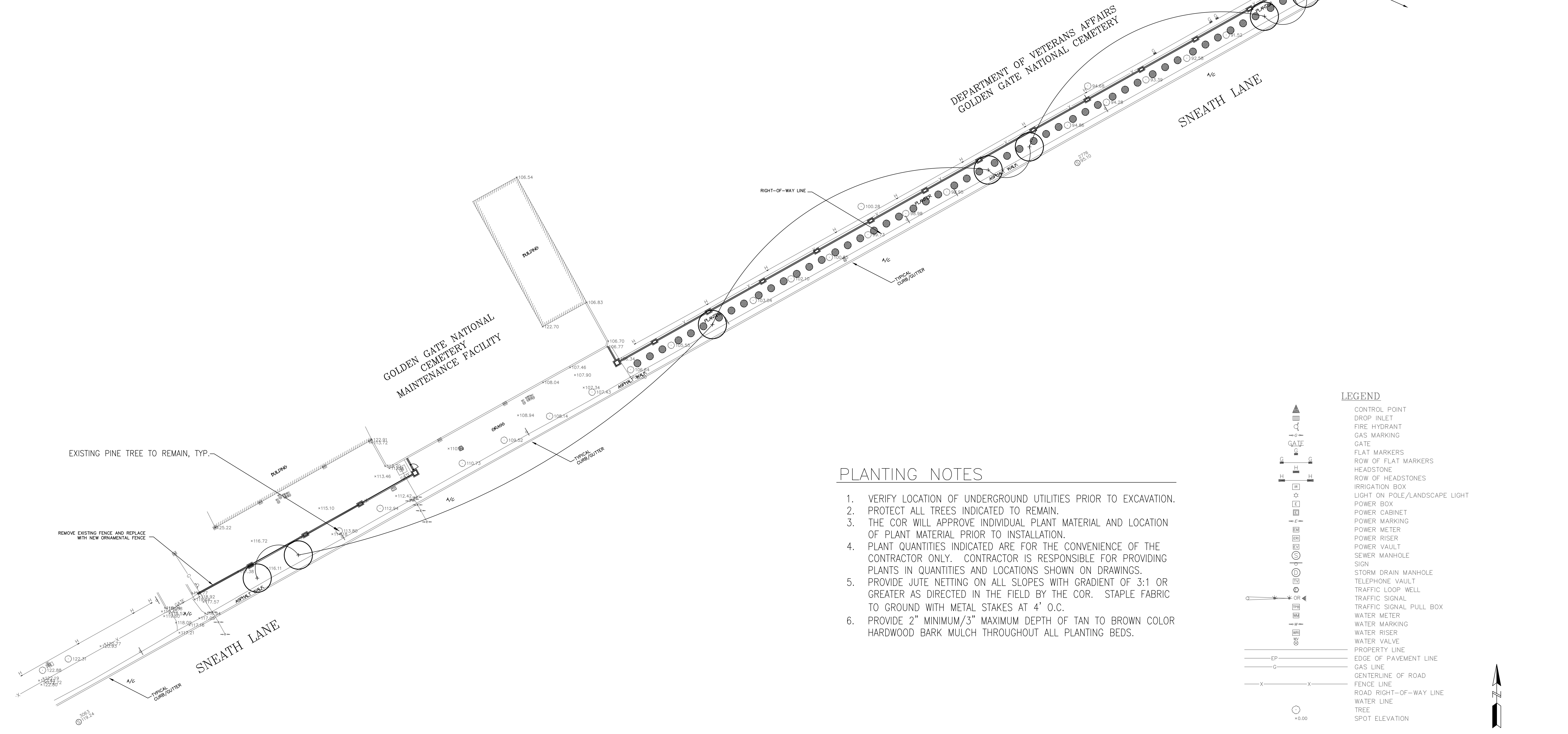
**1 TREE STAKING**  
Scale: 1/4"=1'-0"



**2 SHRUB PLANTING**  
Scale: 1/2"=1'-0"



**3 SHRUB PLANTING ON SLOPE**  
Scale: 1/2"=1'-0"

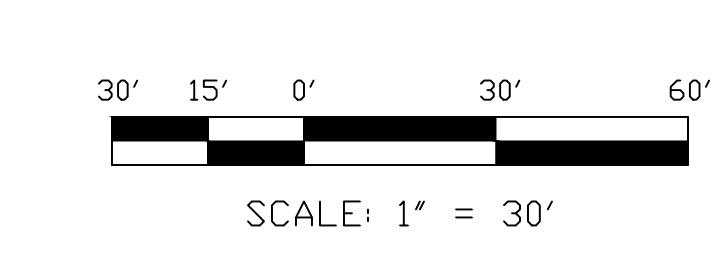


**PLANTING NOTES**

1. VERIFY LOCATION OF UNDERGROUND UTILITIES PRIOR TO EXCAVATION.
2. PROTECT ALL TREES INDICATED TO REMAIN.
3. THE COR WILL APPROVE INDIVIDUAL PLANT MATERIAL AND LOCATION OF PLANT MATERIAL PRIOR TO INSTALLATION.
4. PLANT QUANTITIES INDICATED ARE FOR THE CONVENIENCE OF THE CONTRACTOR ONLY. CONTRACTOR IS RESPONSIBLE FOR PROVIDING PLANTS IN QUANTITIES AND LOCATIONS SHOWN ON DRAWINGS.
5. PROVIDE JUTE NETTING ON ALL SLOPES WITH GRADIENT OF 3:1 OR GREATER AS DIRECTED IN THE FIELD BY THE COR. STAPLE FABRIC TO GROUND WITH METAL STAKES AT 4' O.C.
6. PROVIDE 2" MINIMUM/3" MAXIMUM DEPTH OF TAN TO BROWN COLOR HARDWOOD BARK MULCH THROUGHOUT ALL PLANTING BEDS.

**LEGEND**

- ▲ CONTROL POINT
- DROP INLET
- FIRE HYDRANT
- GAS MARKING
- GATE
- FLAT MARKERS
- ROW OF FLAT MARKERS
- HEADSTONE
- ROW OF HEADSTONES
- IRRIGATION BOX
- LIGHT ON POLE/LANDSCAPE LIGHT
- POWER BOX
- POWER CABINET
- POWER MARKING
- POWER METER
- POWER RISER
- POWER VAULT
- SEWER MANHOLE
- SIGN
- STORM DRAIN MANHOLE
- TELEPHONE VAULT
- TRAFFIC LOOP WELL
- TRAFFIC SIGNAL
- TRAFFIC SIGNAL PULL BOX
- WATER METER
- WATER MARKING
- WATER RISER
- WATER VALVE
- PROPERTY LINE
- EDGE OF PAVEMENT LINE
- GAS LINE
- CENTERLINE OF ROAD
- FENCE LINE
- ROAD RIGHT-OF-WAY LINE
- WATER LINE
- TREE
- SPOT ELEVATION



**US Army Corps of Engineers**  
San Francisco District

Date	Revised
Prepared by:	Spec. No.
N. Misavage	
Drawn by:	Sheet No.
M. Young	
Reviewed by:	Date
J. Ibe	7/26/2016
Submitted by:	Design file no.:
TBD	X-XX-XXXX
	Drawing Code:
	XXXX
	File name:
	XXXX
	Plot title:
	Design scale:

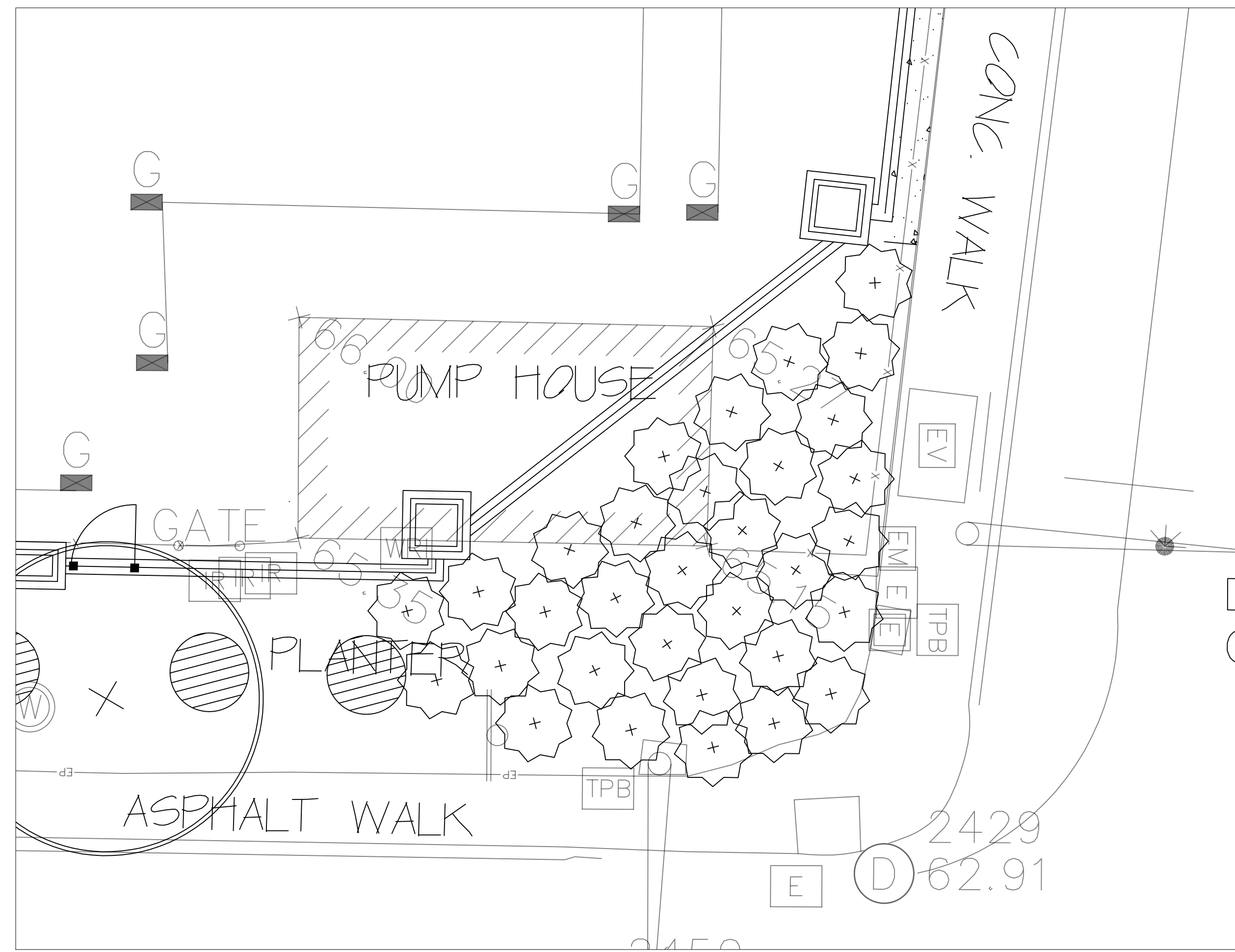
DEPARTMENT OF THE ARMY  
CORPS OF ENGINEERS  
SAN FRANCISCO, CALIFORNIA

**US Army Corps of Engineers**  
1455 Market Street  
San Francisco, CA 94103

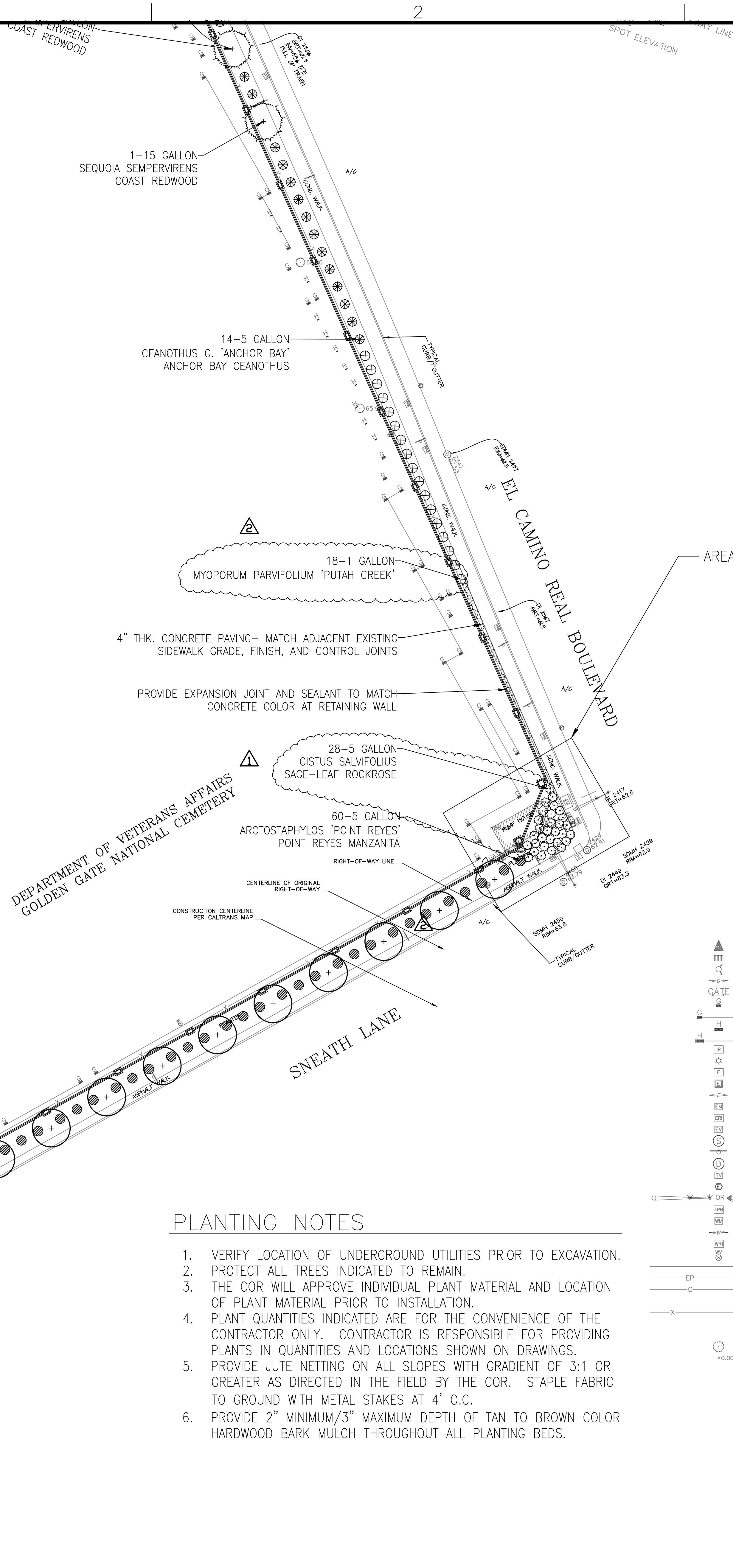
CALIFORNIA  
GOLDEN GATE NATIONAL CEMETERY  
PERIMETER FENCE REPLACEMENT PROJECT  
PLANTING PLANS

Sheet reference number:  
**L-001**  
SHEET 14 OF 19

Border Revised 08/20/04, CDS/STP/DZJ/IMG



**PLANTING PLAN DETAIL**  
1" = 6' - 0"

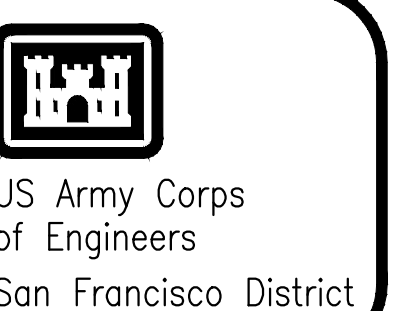
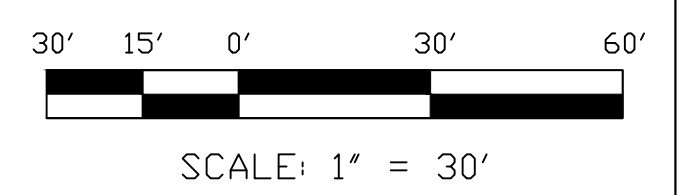


**PLANTING NOTES**

1. VERIFY LOCATION OF UNDERGROUND UTILITIES PRIOR TO EXCAVATION.
2. PROTECT ALL TREES INDICATED TO REMAIN.
3. THE COR WILL APPROVE INDIVIDUAL PLANT MATERIAL AND LOCATION OF PLANT MATERIAL PRIOR TO INSTALLATION.
4. PLANT QUANTITIES INDICATED ARE FOR THE CONVENIENCE OF THE CONTRACTOR ONLY. CONTRACTOR IS RESPONSIBLE FOR PROVIDING PLANTS IN QUANTITIES AND LOCATIONS SHOWN ON DRAWINGS.
5. PROVIDE JUTE NETTING ON ALL SLOPES WITH GRADIENT OF 3:1 OR GREATER AS DIRECTED IN THE FIELD BY THE COR. STAPLE FABRIC TO GROUND WITH METAL STAKES AT 4' O.C.
6. PROVIDE 2" MINIMUM/3" MAXIMUM DEPTH OF TAN TO BROWN COLOR HARDWOOD BARK MULCH THROUGHOUT ALL PLANTING BEDS.

**LEGEND**

- ▲ CONTROL POINT
- DROP INLET
- FIRE HYDRANT
- GAS MARKING
- GATE
- FLAT MARKERS
- ROW OF FLAT MARKERS
- HEADSTONE
- ROW OF HEADSTONES
- IRRIGATION BOX
- LIGHT ON POLE/LANDSCAPE LIGHT
- POWER BOX
- POWER CABINET
- POWER MARKING
- POWER METER
- POWER RISER
- POWER VAULT
- SEWER MANHOLE
- SIGN
- STORM DRAIN MANHOLE
- TELEPHONE VAULT
- TRAFFIC LOOP WELL
- TRAFFIC SIGNAL
- TRAFFIC SIGNAL PULL BOX
- WATER METER
- WATER MARKING
- WATER RISER
- WATER VALVE
- PROPERTY LINE
- EDGE OF PAVEMENT LINE
- GAS LINE
- CENTERLINE OF ROAD
- FENCE LINE
- ROAD RIGHT-OF-WAY LINE
- WATER LINE
- TREE
- SPOT ELEVATION



US Army Corps  
of Engineers  
San Francisco District

Rev.	Date	Description
1	7/26/2016	Final

Prepared by: N. Wilsavage	Spec. No. X-XX-XXXX	Design file no. X-XX-XXXX	Drawing Code: XXXX
Drawn by: M. Young	Spec. No. X-XX-XXXX	Design file no. X-XX-XXXX	File name: XXXX
Reviewed by: J. Ibe	Spec. No. X-XX-XXXX	Design file no. X-XX-XXXX	Plot title: XXXX
Submitted by: TBD	Spec. No. X-XX-XXXX	Design file no. X-XX-XXXX	Dwg. scale: TBD

DEPARTMENT OF THE ARMY  
CORPS OF ENGINEERS  
SAN FRANCISCO, CALIFORNIA

US Army Corps of Engineers  
1455 Market Street  
San Francisco, CA 94103

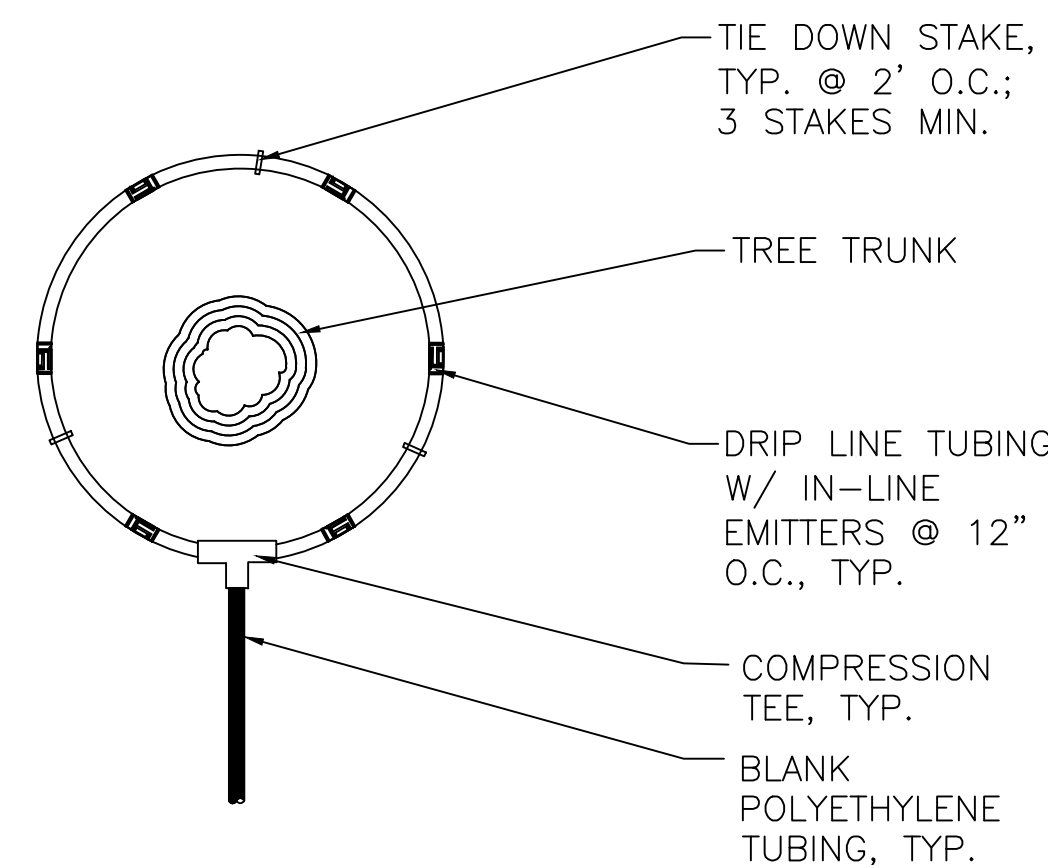
CALIFORNIA  
GOLDEN GATE NATIONAL CEMETERY  
PERIMETER FENCE REPLACEMENT PROJECT

PLANTING PLANS

Sheet  
reference  
number:  
**L-002**  
SHEET 15 OF 19

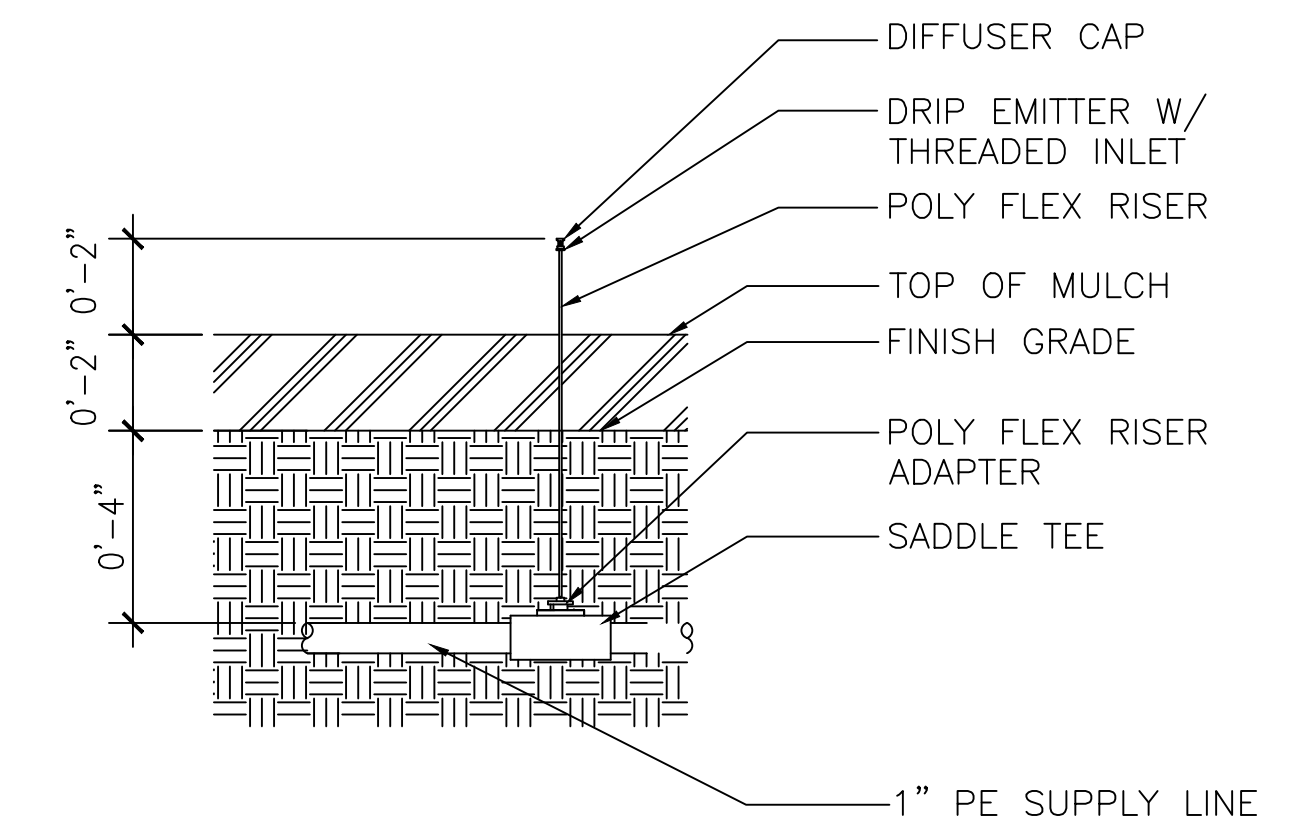




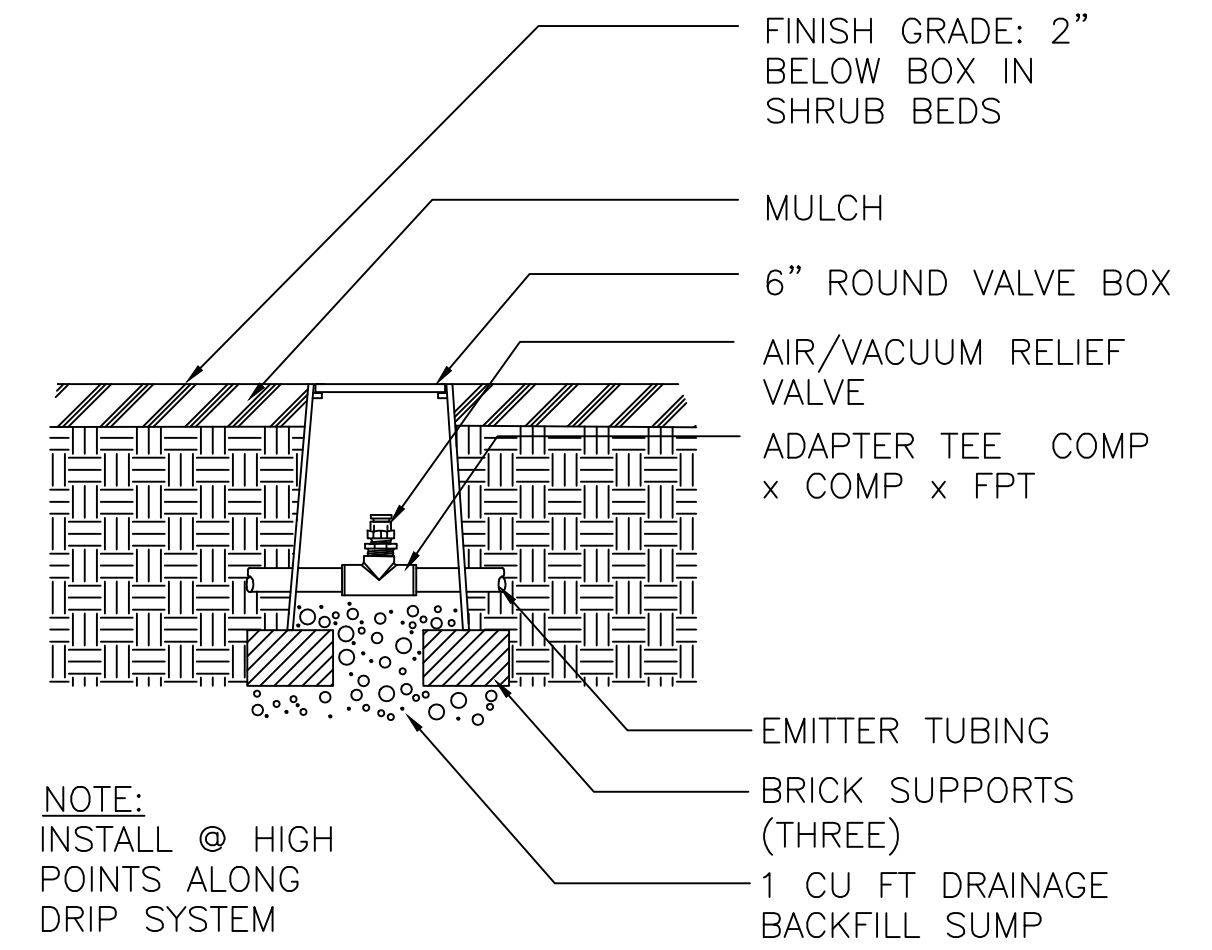


- NOTES:
1. PLACE DRIP RING ON EDGE OF TREE ROOT BALL.
  2. PROVIDE MIN. 4 IN-LINE EMITTERS ON DRIP RING FOR NEW TREES AND 6 IN-LINE EMITTERS FOR EXISTING TREES.
  3. BURY DRIP LINE MINIMUM 4" DEEP FOR NEW TREES ONLY.

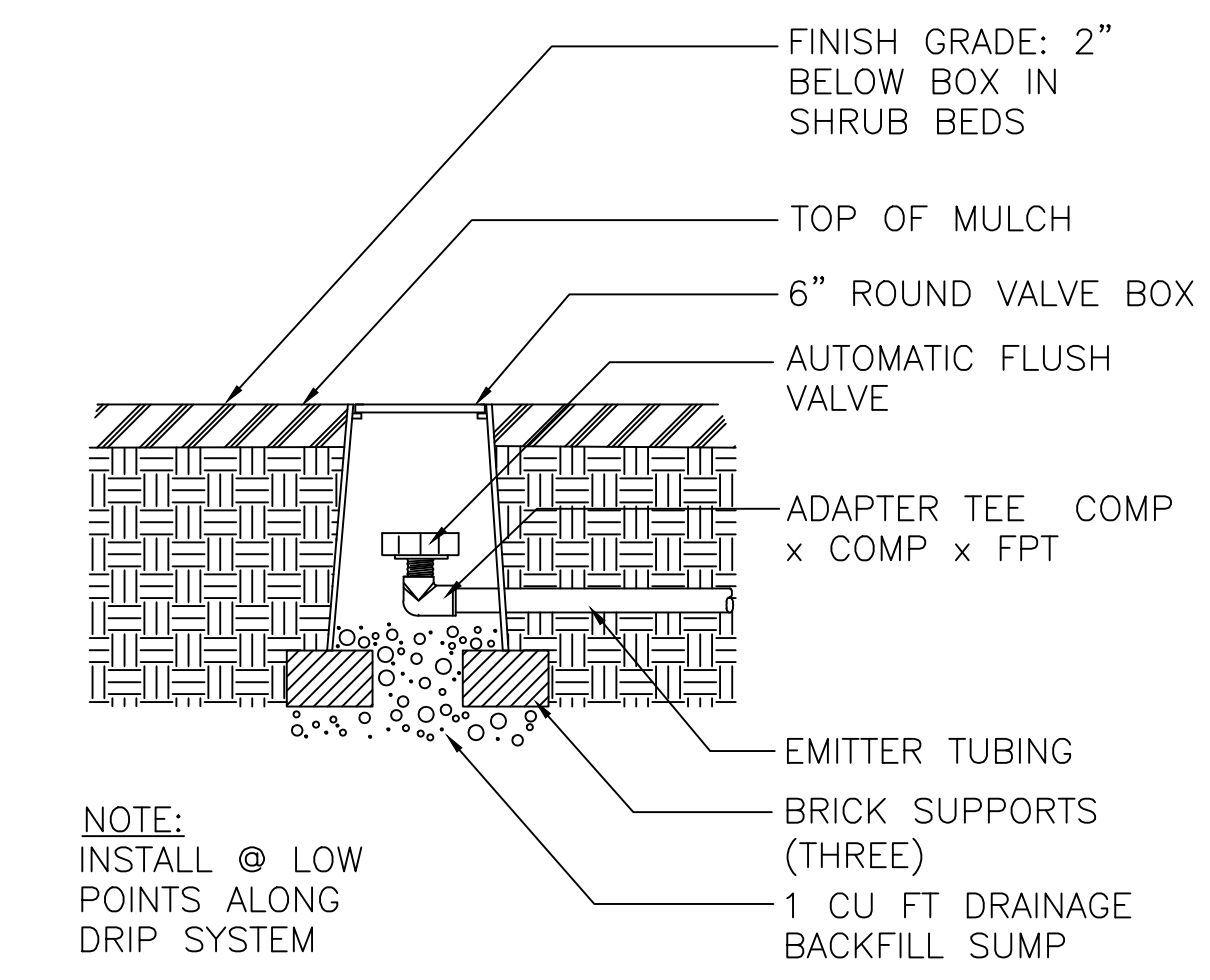
**1 DRIP IRRIGATION RING • TREE**  
Scale: 3/4" = 1'-0"



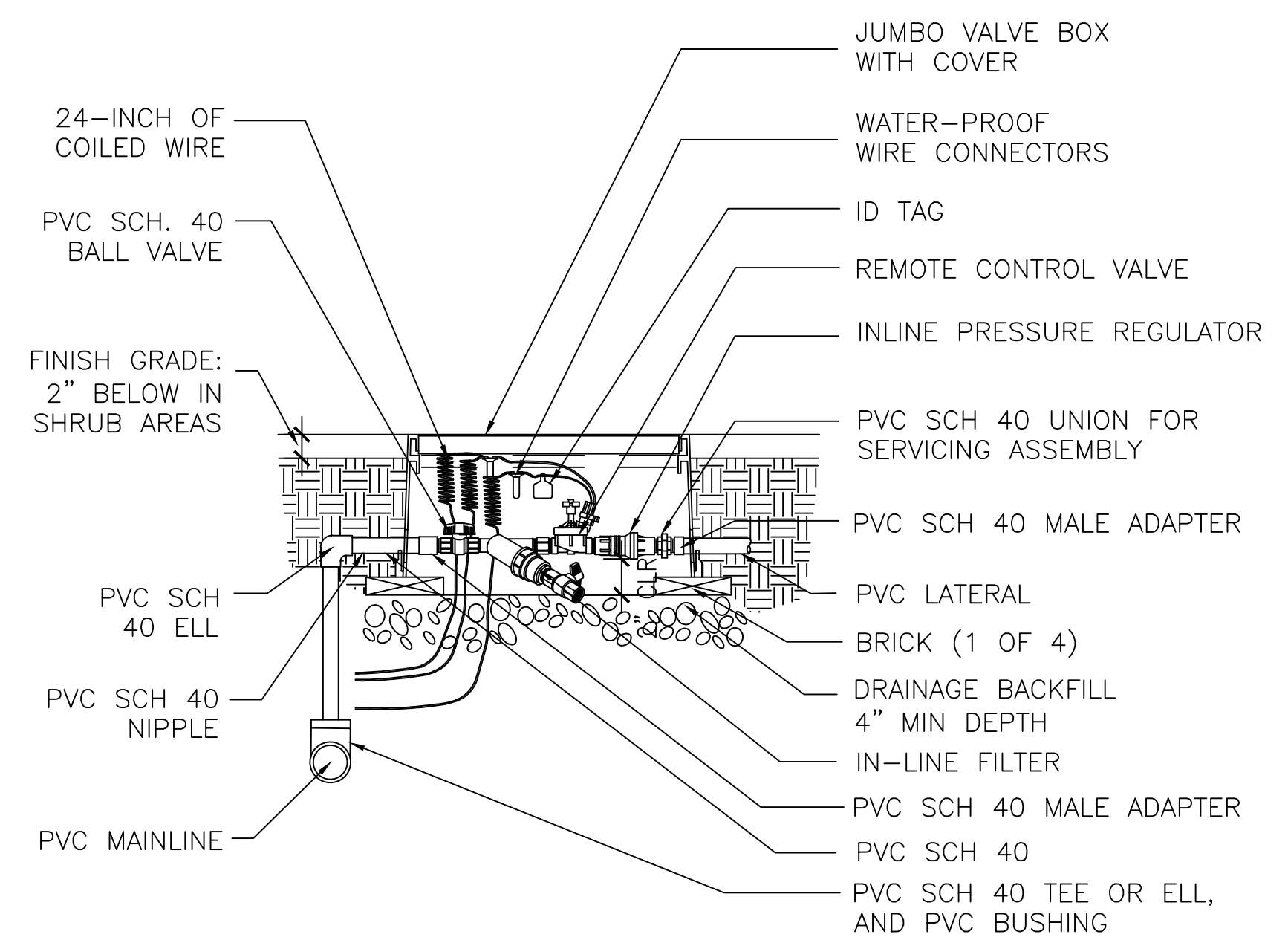
**2 DRIP EMITTER ON POLYFLEX RISER**  
Scale: Not to Scale



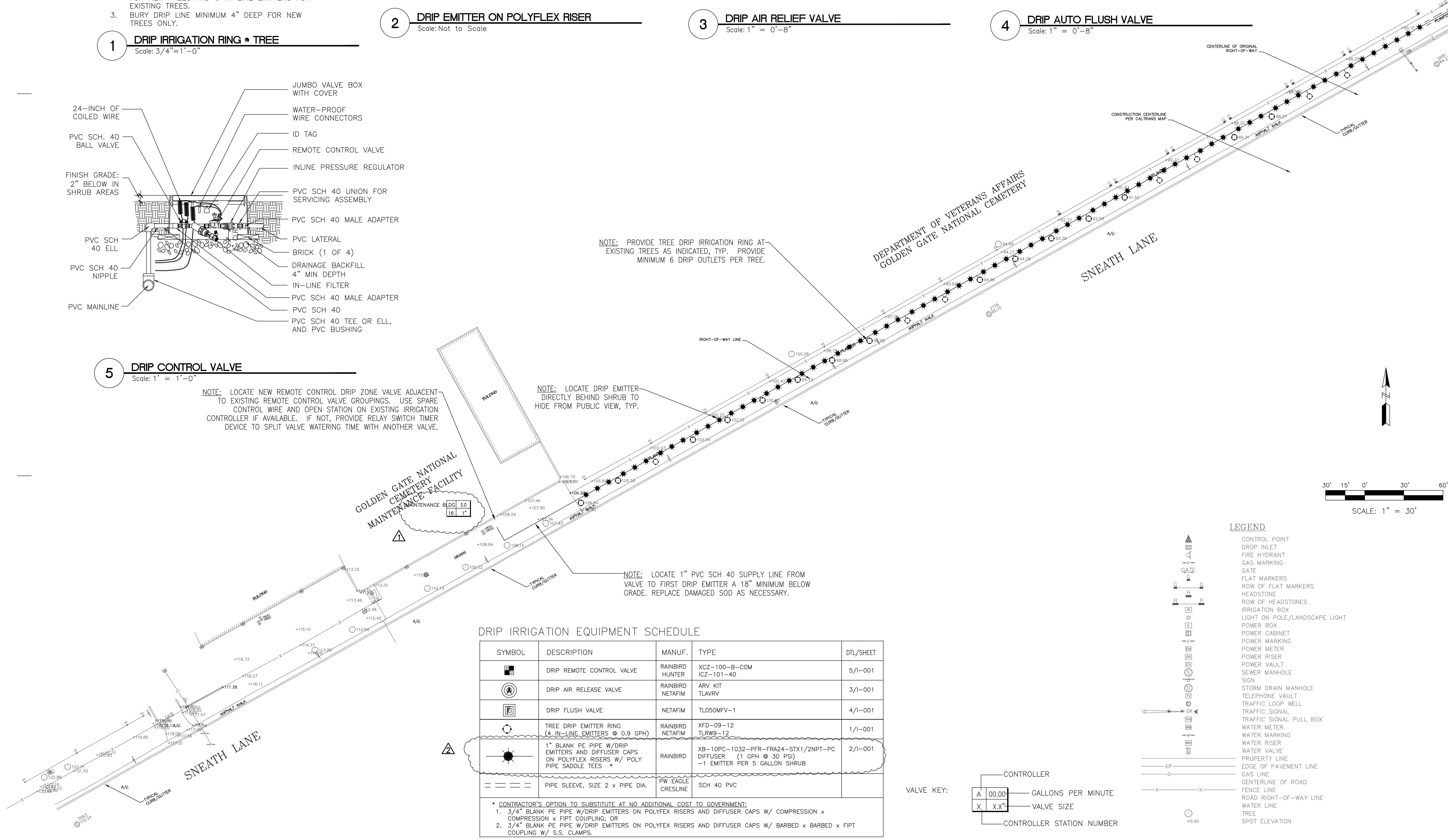
**3 DRIP AIR RELIEF VALVE**  
Scale: 1" = 0'-8"



**4 DRIP AUTO FLUSH VALVE**  
Scale: 1" = 0'-8"



**5 DRIP CONTROL VALVE**  
Scale: 1" = 1'-0"



NOTE: PROVIDE TREE DRIP IRRIGATION RING AT EXISTING TREES AS INDICATED, TYP. PROVIDE MINIMUM 6 DRIP OUTLETS PER TREE.

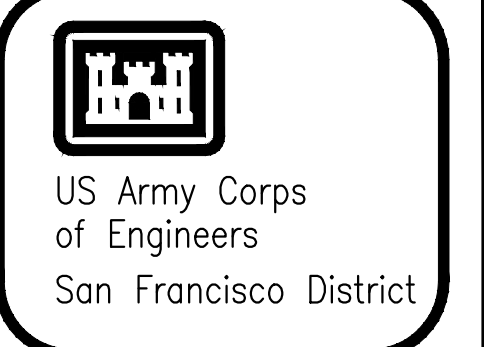
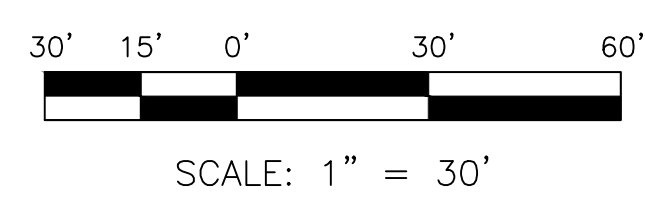
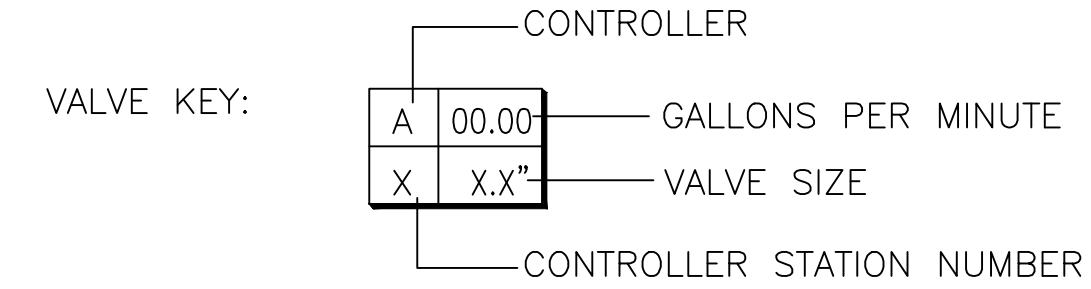
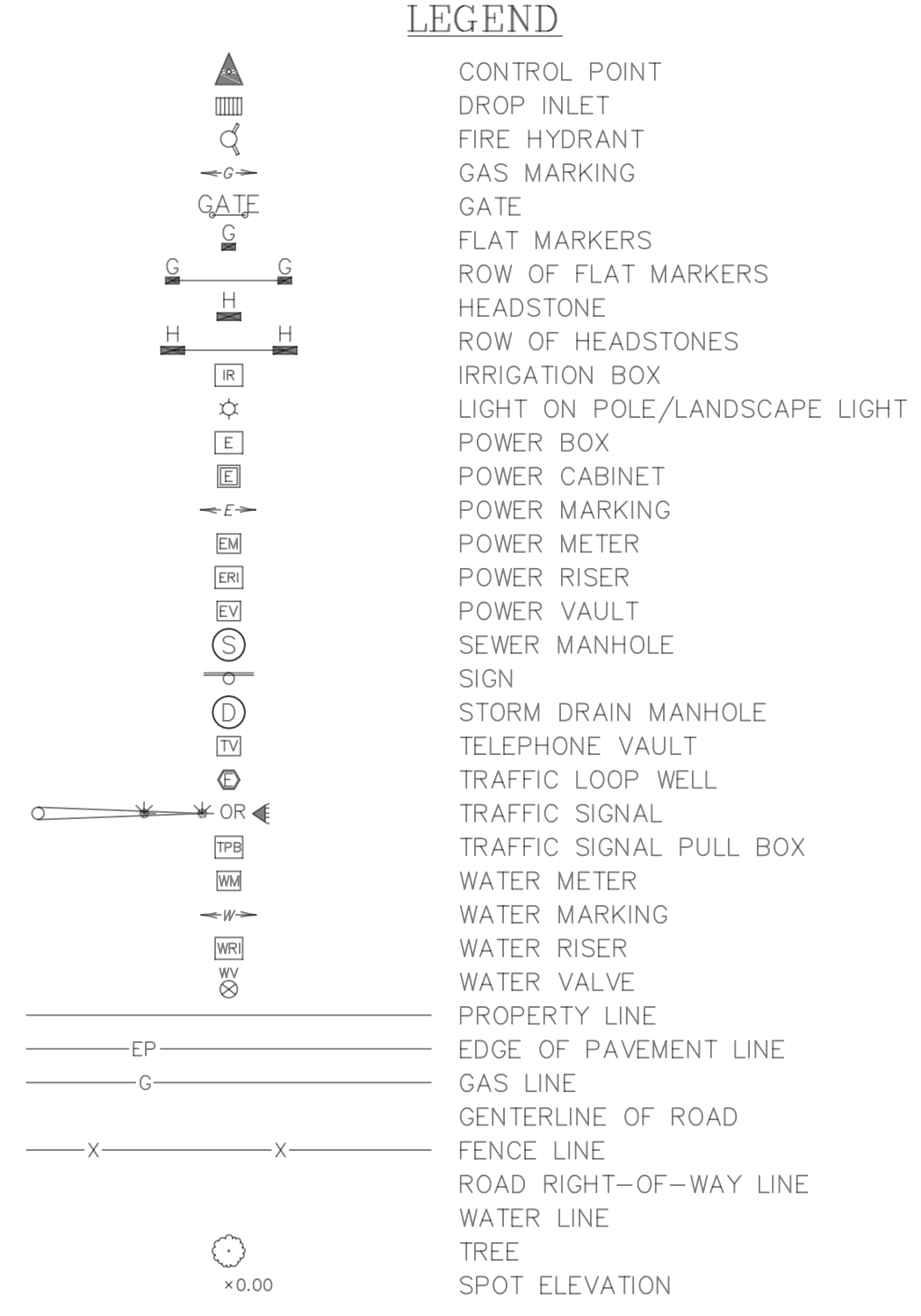
NOTE: LOCATE DRIP EMITTER DIRECTLY BEHIND SHRUB TO HIDE FROM PUBLIC VIEW, TYP.

NOTE: LOCATE 1" PVC SCH 40 SUPPLY LINE FROM VALVE TO FIRST DRIP EMITTER A 18" MINIMUM BELOW GRADE. REPLACE DAMAGED SOD AS NECESSARY.

**DRIP IRRIGATION EQUIPMENT SCHEDULE**

SYMBOL	DESCRIPTION	MANUF.	TYPE	DTL/SHEET
[Symbol]	DRIP REMOTE CONTROL VALVE	RAINBIRD HUNTER	XCZ-100-B-COM ICZ-101-40	5/1-001
[Symbol]	DRIP AIR RELEASE VALVE	RAINBIRD NETAFAIM	ARV KIT TLAVRV	3/1-001
[Symbol]	DRIP FLUSH VALVE	NETAFIM	TL050MFV-1	4/1-001
[Symbol]	TREE DRIP IRRIGATION RING (4 IN-LINE EMITTERS @ 0.9 GPH)	RAINBIRD NETAFAIM	XFD-09-12 TLRW9-12	1/1-001
[Symbol]	1" BLANK PE PIPE W/DRIP EMITTERS AND DIFFUSER CAPS ON POLYFLEX RISERS W/ POLY PIPE SADDLE TEES *	RAINBIRD	XB-10PC-1032-PFR-FRA24-STX1/2NPT-PC DIFFUSER (1 GPH @ 30 PSI) -1 EMITTER PER 5 GALLON SHRUB	2/1-001
[Symbol]	PIPE SLEEVE, SIZE 2 x PIPE DIA.	PW EAGLE CRESLINE	SCH 40 PVC	

\* CONTRACTOR'S OPTION TO SUBSTITUTE AT NO ADDITIONAL COST TO GOVERNMENT:  
1. 3/4" BLANK PE PIPE W/DRIP EMITTERS ON POLYFLEX RISERS AND DIFFUSER CAPS W/ COMPRESSION x COMPRESSION x FIPT COUPLING; OR  
2. 3/4" BLANK PE PIPE W/DRIP EMITTERS ON POLYFLEX RISERS AND DIFFUSER CAPS W/ BARBED x BARBED x FIPT COUPLING W/ S.S. CLAMPS.



Symbol	Description	Date	Approval
[Symbol]	[Description]		

Prepared by:	Date:	7/26/2016
Drawn by:	Design file no.:	X-XX-XXXX
Reviewed by:	Drawing Code:	XXXX
Submitted by:	File name:	IRI.dwg
	Plot date:	
	Plot scale:	

DEPARTMENT OF THE ARMY  
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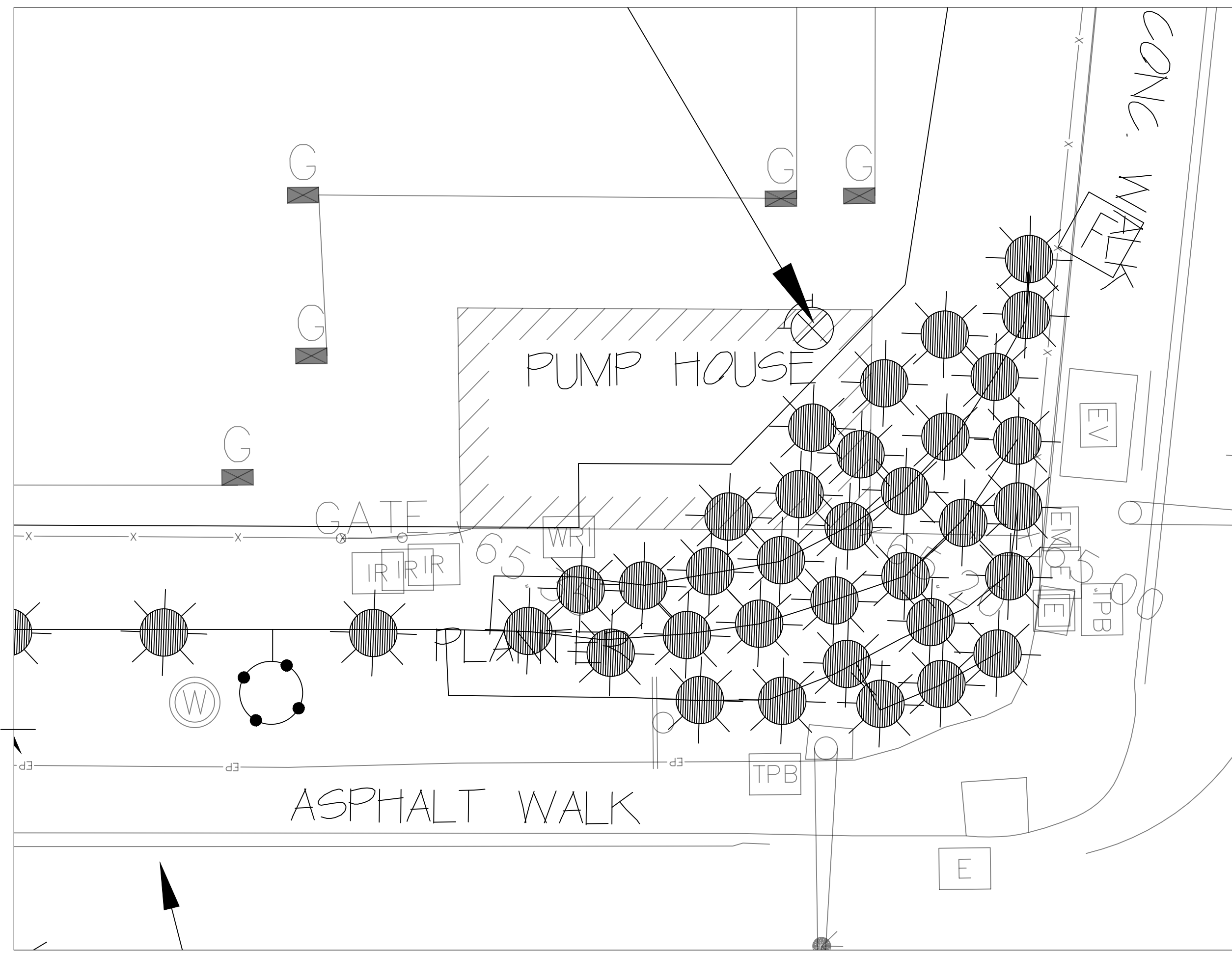
US Army Corps of Engineers  
San Francisco District  
San Francisco, CA 94103

CALIFORNIA

GOLDEN GATE NATIONAL CEMETERY  
PERIMETER FENCE REPLACEMENT PROJECT

IRRIGATION PLANS

Sheet reference number:  
**1-001**  
SHEET 17 OF 19



**IRRIGATION PLAN DETAIL**  
1" = 6' - 0"

NOTE: LOCATE DRIP EMITTER DIRECTLY BEHIND SHRUB TO HIDE FROM PUBLIC VIEW, TYP.

NOTE: LOCATE 1" PVC SCH 40 LATERAL LINE ADJACENT TO NEW RETAINING WALL 18" MINIMUM BELOW GRADE. REPLACE DAMAGED SOD AS NECESSARY.

NOTE: LOCATE NEW REMOTE CONTROL DRIP ZONE VALVES ADJACENT TO EXISTING REMOTE CONTROL VALVE GROUPINGS. USE SPARE CONTROL WIRES AND OPEN STATIONS ON EXISTING IRRIGATION CONTROLLER IF AVAILABLE. IF NOT, PROVIDE RELAY SWITCH TIMER DEVICE TO SPLIT VALVE WATERING TIME WITH ANOTHER VALVE.

NOTE: CONNECT NEW TURF ROTOR HEAD TO EXISTING TURF ROTOR SYSTEM. TO THE EXTENT POSSIBLE MATCH MODEL NUMBER AND MANUFACTURER OF EXISTING TURF ROTOR HEADS.

NOTE: LOCATE PVC SCH 40 LATERAL LINE ADJACENT TO NEW RETAINING WALL 18" MINIMUM BELOW GRADE. REPLACE DAMAGED SOD AS NECESSARY.

NOTE: LOCATE DRIP EMITTER DIRECTLY BEHIND SHRUB TO HIDE FROM PUBLIC VIEW, TYP.

DEPARTMENT OF VETERANS AFFAIRS  
GOLDEN GATE NATIONAL CEMETERY

**IRRIGATION ROTOR HEAD LEGEND**

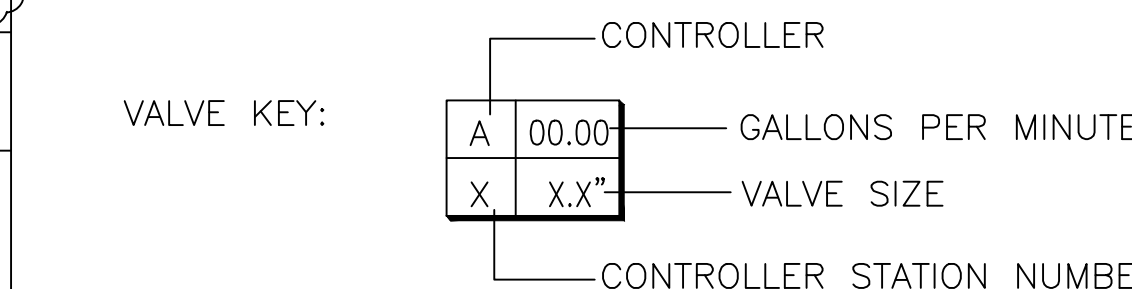
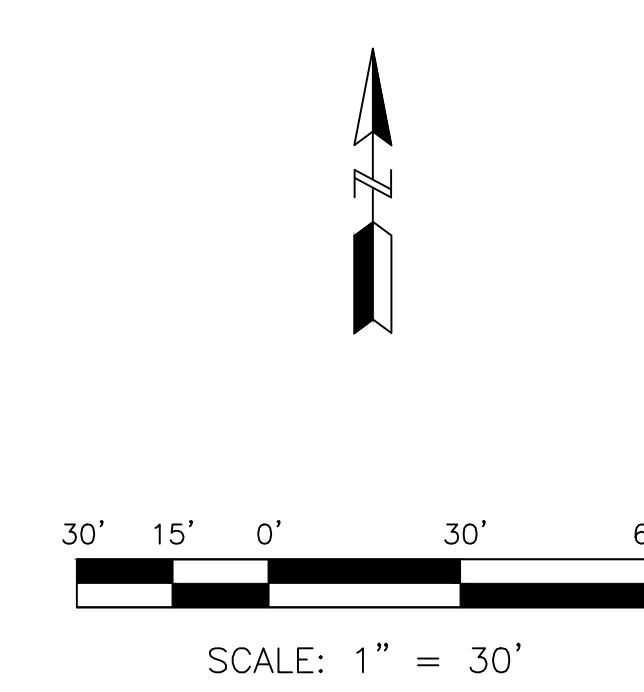
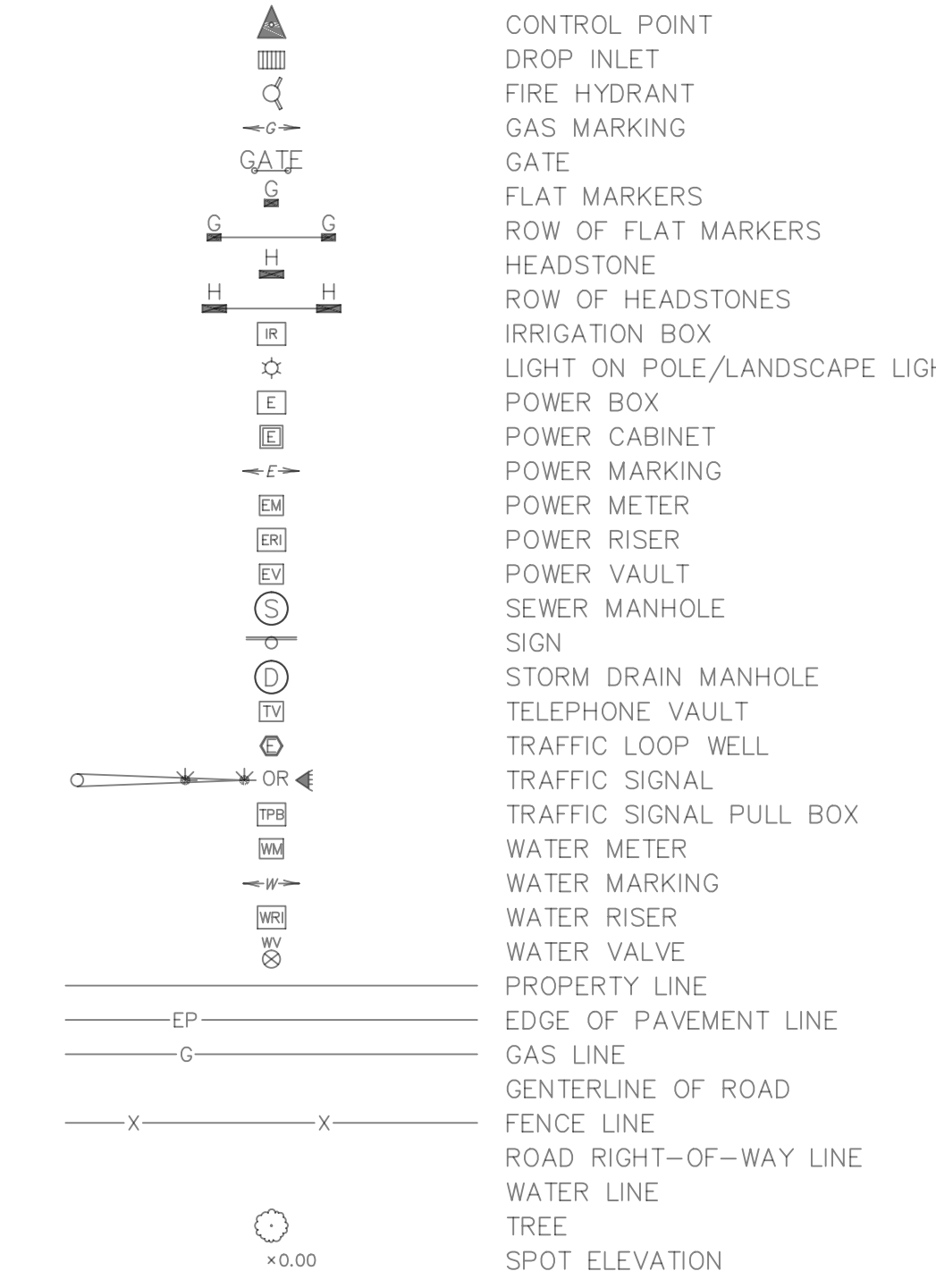
SYMBOL	DESCRIPTION	GPM	PSI	RADIUS	DTL/SHEET
	RAINBIRD 50XX-3.0-PL-PC-R-SS	2.71	35	30'	1/1-002
	HUNTER 1-20-XX-SS-NCV-3.0	2.70	35	30'	1/1-002

\*NOTE: USE MIN. 6" POP-UP BODIES IN LAWN AREAS; AND 12" POP-UP BODIES IN PLANTING AREAS.

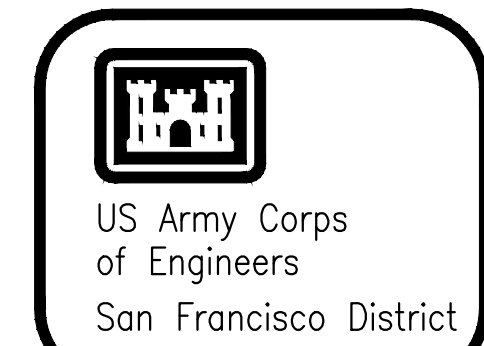
**DRIP IRRIGATION EQUIPMENT SCHEDULE**

SYMBOL	DESCRIPTION	MANUF.	TYPE	DTL/SHEET
	DRIP REMOTE CONTROL VALVE	RAINBIRD HUNTER	XCZ-100-B-COM ICZ-101-40	5/1-001
	DRIP AIR RELEASE VALVE	RAINBIRD NETAFIM	ARV KIT TLAVRV	3/1-001
	DRIP FLUSH VALVE	NETAFIM	TL050MFV-1	4/1-001
	TREE DRIP EMITTER RING (4 IN-LINE EMITTERS @ 0.9 GPH)	RAINBIRD NETAFIM	XFD-09-12 TLRW9-12	1/1-001
	1" BLANK PE PIPE W/DRIP EMITTERS AND DIFFUSER CAPS ON POLYFLEX RISERS W/ POLY PIPE SADDLE TEES	RAINBIRD	XB-10PC-1032-PFR-FRA24-STX1/2NPT-PC DIFFUSER (1 GPH @ 30 PSI) -1 EMITTER PER 5 GALLON SHRUB	2/1-001
	PIPE SLEEVE, SIZE 2 x PIPE DIA.	PW EAGLE CRESLINE	SCH 40 PVC	

\* CONTRACTOR'S OPTION TO SUBSTITUTE AT NO ADDITIONAL COST TO GOVERNMENT.  
1. 3/4" BLANK PE PIPE W/DRIP EMITTERS ON POLYFLEX RISERS AND DIFFUSER CAPS W/ COMPRESSION x COMPRESSION x FIPT COUPLING, OR  
2. 3/4" BLANK PE PIPE W/DRIP EMITTERS ON POLYFLEX RISERS AND DIFFUSER CAPS W/ BARBED x BARBED x FIPT COUPLING W/ S.S. CLAMPS.



AREA OF IRRIGATION PLAN DETAIL



US Army Corps of Engineers  
San Francisco District

Symbol	Description	Date	Approved

Prepared by: N. Malosso	Date: 7/26/2016	Design file no: X-XX-XXXX
Drawn by: M. Young	Spec No. of 19	Drawing Code: XXXX
Reviewed by: J. Ide		
Submitted by: TBD		

DEPARTMENT OF THE ARMY  
CORPS OF ENGINEERS  
SAN FRANCISCO, CALIFORNIA

US Army Corps of Engineers  
San Francisco District  
San Francisco, CA 94103

CALIFORNIA  
GOLDEN GATE NATIONAL CEMETERY  
PERMETER FENCE REPLACEMENT PROJECT  
IRRIGATION PLANS

Sheet reference number:  
**1-002**  
SHEET 18 OF 19

4

3

2

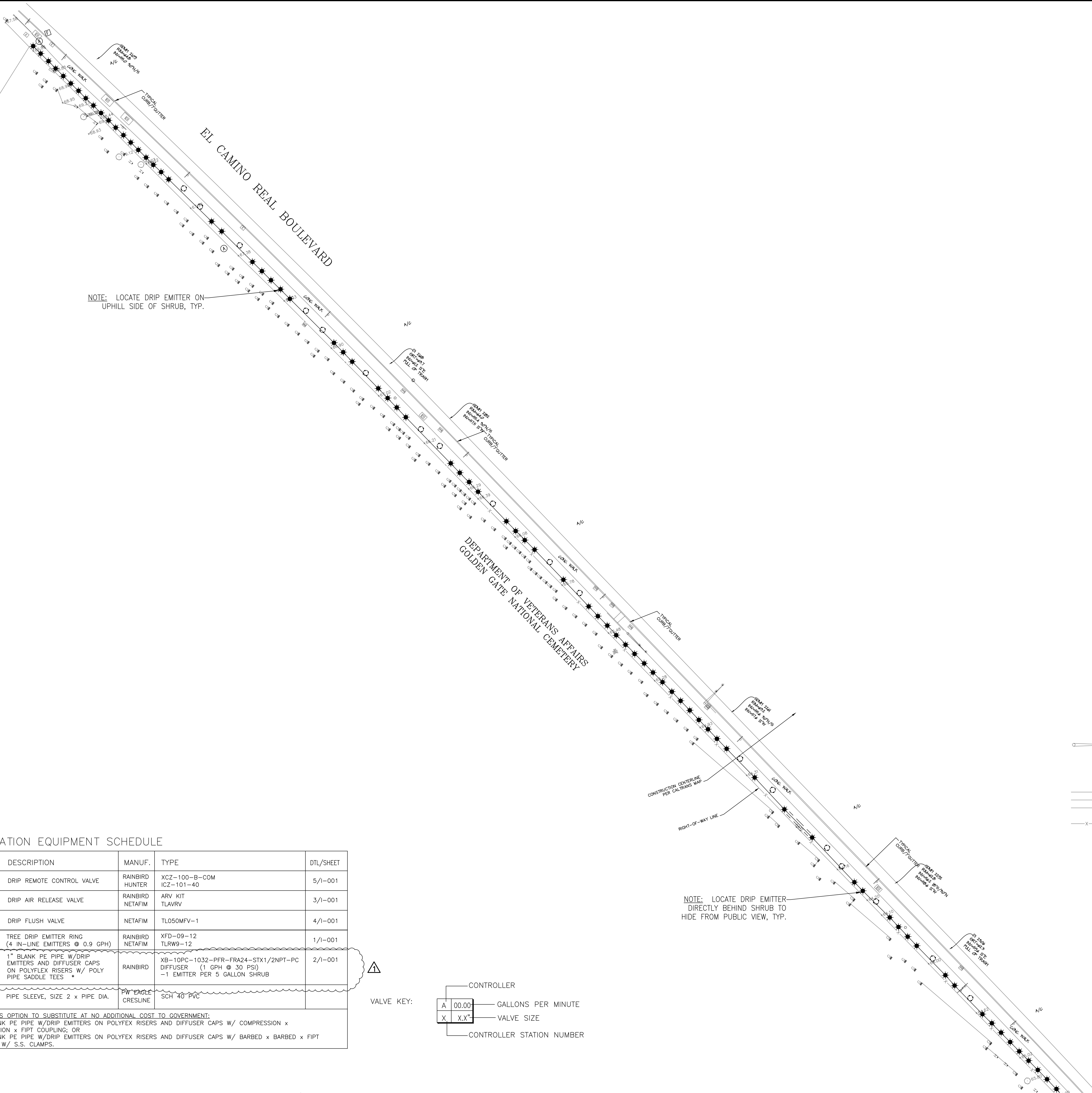
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B

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Sanjour Revised 08/20/16, 035372/D/2/06



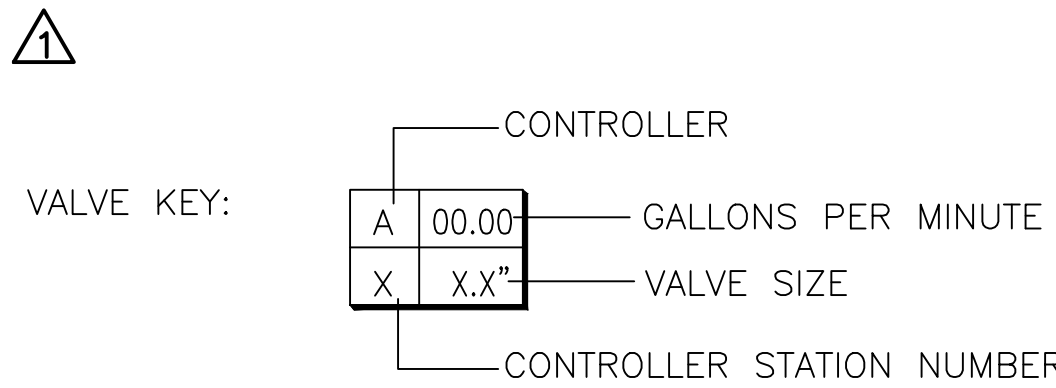
NOTE: LOCATE DRIP EMITTER ON UPHILL SIDE OF SHRUB, TYP.

NOTE: LOCATE DRIP EMITTER DIRECTLY BEHIND SHRUB TO HIDE FROM PUBLIC VIEW, TYP.

DRIP IRRIGATION EQUIPMENT SCHEDULE

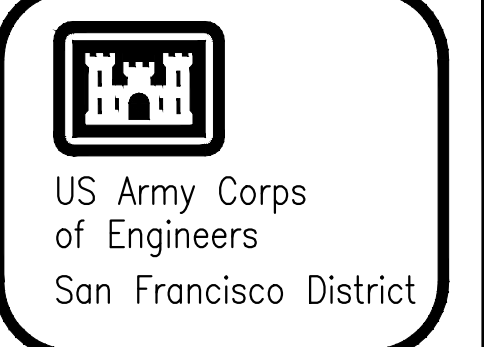
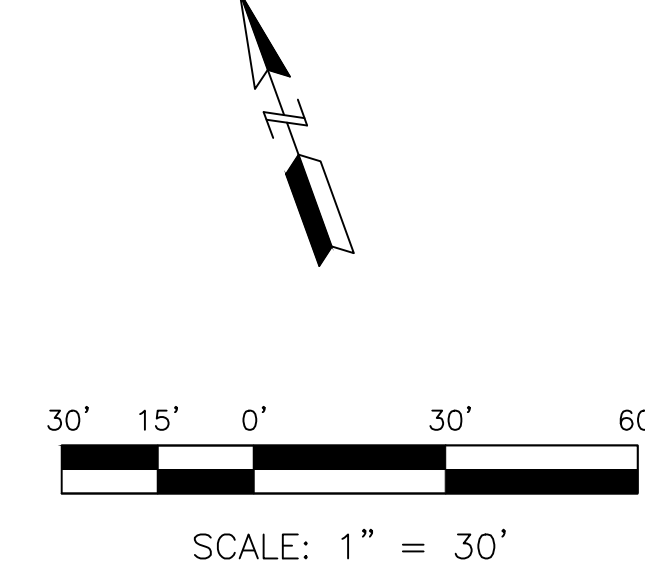
SYMBOL	DESCRIPTION	MANUF.	TYPE	DTL/SHEET
	DRIP REMOTE CONTROL VALVE	RAINBIRD HUNTER	XCZ-100-B-COM ICZ-101-40	5/1-001
	DRIP AIR RELEASE VALVE	RAINBIRD NETAFIM	ARV KIT TLAVRV	3/1-001
	DRIP FLUSH VALVE	NETAFIM	TL050MFV-1	4/1-001
	TREE DRIP EMITTER RING (4 IN-LINE EMITTERS @ 0.9 GPH)	RAINBIRD NETAFIM	XFD-09-12 TLRW9-12	1/1-001
	1" BLANK PE PIPE W/DRIP EMITTERS AND DIFFUSER CAPS ON POLYFLEX RISERS W/ POLY PIPE SADDLE TEES	RAINBIRD	XB-10PC-1032-PFR-FRA24-STX1/2NPT-PC DIFFUSER (1 GPH @ 30 PSI) -1 EMITTER PER 5 GALLON SHRUB	2/1-001
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**LEGEND**

- CONTROL POINT
- DROP INLET
- FIRE HYDRANT
- GAS MARKING
- GATE
- FLAT MARKERS
- ROW OF FLAT MARKERS
- HEADSTONE
- ROW OF HEADSTONES
- IRRIGATION BOX
- LIGHT ON POLE/LANDSCAPE LIGHT
- POWER BOX
- POWER CABINET
- POWER MARKING
- POWER METER
- POWER RISER
- POWER VAULT
- SEWER MANHOLE
- SIGN
- STORM DRAIN MANHOLE
- TELEPHONE VAULT
- TRAFFIC LOOP WELL
- TRAFFIC SIGNAL
- TRAFFIC SIGNAL PULL BOX
- WATER METER
- WATER MARKING
- WATER RISER
- WATER VALVE
- PROPERTY LINE
- EDGE OF PAVEMENT LINE
- GAS LINE
- CENTERLINE OF ROAD
- FENCE LINE
- ROAD RIGHT-OF-WAY LINE
- WATER LINE
- TREE
- SPOT ELEVATION



Rev.	Date	By	Description

Prepared by: N. Molosozog  
 Date: 7/26/2016  
 Drawn by: M. Young  
 Spec No. of 19  
 Design file no: X-11-XXXX  
 Reviewed by: J. Ide  
 Drawing Code: XXXX  
 Submitted by: TBD  
 File name: P&ID.dwg  
 Dwg scale:

DEPARTMENT OF THE ARMY  
 CORPS OF ENGINEERS  
 SAN FRANCISCO, CALIFORNIA

US Army Corps of Engineers  
 San Francisco District  
 495 Montgomery Street  
 San Francisco, CA 94103

CALIFORNIA

GOLDEN GATE NATIONAL CEMETERY  
 PERIMETER FENCE REPLACEMENT PROJECT

IRRIGATION PLANS

Sheet reference number:  
**1-003**  
 SHEET 19 OF 19