

SAN FRANCISCO DEPUTY STATION #3 REPLACEMENT PHASE II

LANDSCAPE CONCEPT DIAGRAM





PHOTO 1  
LOOKING WEST



PHOTO 2  
LOOKING NORTH



PHOTO 3  
LOOKING EAST



EXISTING CONDITIONS

CONCEPTS AND MATERIALS

SAN FRANCISCO DEPUTY STATION #3 REPLACEMENT PHASE II

LANDSCAPE IMAGES





DEPARTMENT OF PUBLIC WORKS  
CITY AND COUNTY OF SAN FRANCISCO

30 Van Ness Avenue Suite 4100  
San Francisco, CA Fax (415)557-4701  
941102-6028 (415)557-4700

Project

**San Francisco County Jail #3  
Replacement, Phase II**

One Moreland Drive  
San Bruno, CA  
94066-4317

Consultant

LANDSCAPE ARCHITECTURE INFRASTRUCTURE DESIGN PLANNING & CONSTRUCTION DEPARTMENT OF PUBLIC WORKS CITY & COUNTY OF SAN FRANCISCO 30 VAN NESS AVENUE, SUITE 4100 SAN FRANCISCO, CA 94102	DATE
DESIGNED BY: WJL	DATE: 04/17/12
DRAWN BY: WJL	DATE: 04/17/12
CHECKED BY: WJL	DATE: 04/17/12
SECTION MANAGER	DATE
DEPUTY DIVISION MANAGER	DATE
DIVISION MANAGER	DATE

**4/17/12  
90% CONSTRUCTION  
DOCUMENTS**

No.	Date	Revisions

Drawn	
Proj. Arch.	S. Kay
Proj. Mgr.	S. Kay
Section Head	W. Klein
Date	04/17/12
Phase	



Drawing Title  
**LANDSCAPE NOTES**

Sheet No. **L001**

Job No. **7263 A**  
Scale:  

**NOT FOR  
CONSTRUCTION**

**ABBREVIATIONS**

AC	ASPHALTIC CONCRETE
CB	CATCH BASIN
CCSF	CITY & COUNTY OF SAN FRANCISCO
ℓ	CENTER LINE
CLR	CLEAR
CONC	CONCRETE
CONT	CONTINUOUS
DEG	DEGREE
DIA	DIAMETER
DWG	DRAWING
E	EAST
(E)	EXISTING
EA	EACH
EQ	EQUAL
GAL	GALLON
GALV	GALVANIZED
H	HIGH
HORIZ	HORIZONTAL
HDPE	HIGH DENSITY POLYETHYLENE PIPE
HP	HIGH POINT
IN	INCH
MAX	MAXIMUM
MFR	MANUFACTURER
MIN	MINIMUM
N	NORTH
(N)	NEW
NTS	NOT TO SCALE
O.C.	ON CENTER
O.D.	OUTSIDE DIAMETER
PA	PLANTED AREA
QC	QUICK COUPLER
QTY	QUANTITY
R	RADIUS
SCH	SCHEDULE
SEG	SEGMENTS
SF	SQUARE FEET
SIM	SIMILAR
SJ	SCORE JOINT
SPECS	SPECIFICATION(S)
STTL	STAINLESS STEEL
SSDPWSF	STANDARD SPECIFICATIONS OF DEPARTMENT OF PUBLIC WORKS OF SAN FRANCISCO
STL	STEEL
TYP	TYPICAL
VF	VERIFY IN FIELD
W	WEST
W/	WITH
#	NUMBER

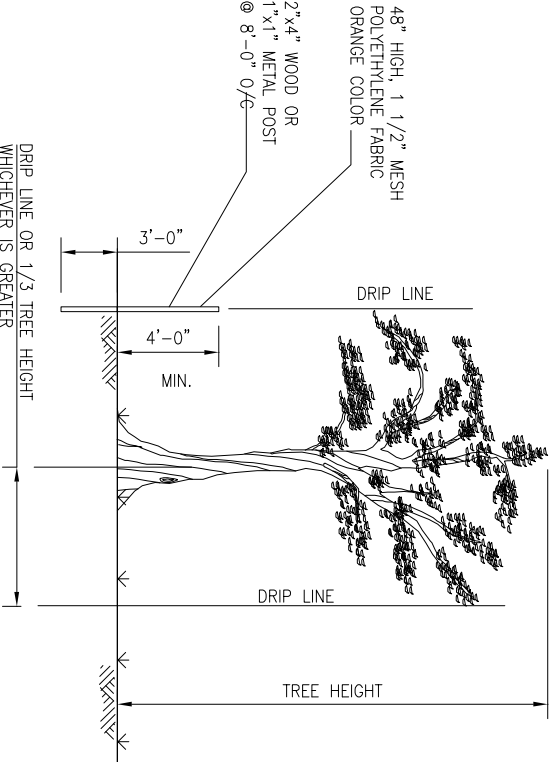
**LAYOUT NOTES**

Verify all dimensions in the field prior to beginning construction.  
Written dimensions supersede scaled dimensions.  
All dimensions shall be measured horizontally.  
Verify locations and elevations of utility vaults and other covers and report any conflicts or discrepancies to the City Representative.

**TREE AND SHRUB PROTECTION NOTES**

Protect all site elements designated to remain.  
Contractor's property.  
All demolition work within drip line of existing trees and shrubs to remain shall be done by hand. Cleanly cut any roots larger than one inch diameter. Do not tear roots.  
Provide protection and regular irrigation water for existing plant material to remain for the entire duration of the project.

**NATIVE TREE AND SHRUB PROTECTION**



**TYPICAL EXISTING TREE/SHRUB PROTECTION**  
NO SCALE

**NOTES:**

1. PROTECT ALL EXISTING TREES AND SHRUBS WHOSE DRIP LINE LIES WITHIN 25 FEET OF EXCAVATION, TRENCHING, GRADING, OR PATHWAY WORK, AGAINST INJURY OR DAMAGE FROM CONSTRUCTION OPERATIONS.
2. SEE SPECIFICATION 01560 "PROTECTION OF TREES" FOR OTHER REQUIREMENTS.
3. PROTECT TREES AND SHRUBS PRIOR TO COMMENCING WORK BY ERECTING A TEMPORARY SAFETY FENCE ON SIDE(S) ADJACENT TO CONSTRUCTION OR AS INDICATED ON PLANS.
4. ROOTS 2 INCHES DIAMETER AND LARGER SHALL BE HAND EXCAVATED AND LEFT INTACT. SMALLER ROOTS THAT REQUIRE CUTTING SHALL BE CUT CLEANLY AND OBLIQUELY WITH CUT SURFACES FACING DOWNWARD, AND KEPT CONTINUOUSLY MOIST UNTIL BACKFILL IS REPLACED. DO NOT APPLY PRUNING SEALS TO CUT END OF ROOT.
6. DAMAGED TREES AND SHRUBS, INCLUDING WOUNDS TO BRANCHES AND ROOTS, SHALL BE PROMPTLY REPAIRED. FOR TREE ROOTS 2 INCHES DIAMETER AND LARGER, CONTACT THE CITY REPRESENTATIVE PRIOR TO CUTTING.

**GENERAL NOTES**

1. ALL WORK TO BE PERFORMED SHALL CONFORM TO ALL APPLICABLE CODES AND ORDINANCES OF GOVERNMENTAL AGENCIES HAVING JURISDICTION OVER THE PROJECT.  
Protect all existing 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 items to be installed as part of this work.
- IRRIGATION NOTES**  
1. THESE NOTES AND IRRIGATION PLAN GOVERN IRRIGATION INSTALLATION ONLY AND ARE NOT INTENDED TO GOVERN OTHER WORK.  
2. THE CONTRACTOR SHALL VERIFY LOCATIONS OF POINT OF CONNECTION, MAINLINES, PRIOR TO COMMENCEMENT OF WORK. ANY DISCREPANCY BETWEEN THE DRAWING AND FIELD CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE INSTALLATION OF ANY PIPE.  
3. THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION OF AN IRRIGATION SYSTEM THAT PROVIDES 100% COMPLETE AND APPROPRIATE COVERAGE IN ALL PLANTING AREAS. THE WORK OF THE CONTRACT INCLUDES ADJUSTMENTS TO THE SYSTEMS INDICATED, INCLUDING QUANTITIES OF PIPING, HEADS, NOZZLES AND OTHER EQUIPMENT AS NECESSARY TO ASSURE COMPLETE COVERAGE.  
4. THE IRRIGATION DRAWINGS ARE DIAGRAMMATIC, AND DO NOT SHOW EXACT LOCATIONS OF PIPING, VALVES OR CONTROL LINES. INSTALL THESE ITEMS IN PLANTING AREAS PARALLEL TO, AND AS CLOSE AS POSSIBLE TO CURBS, HEADERS OR PAVING EDGES UNLESS OTHERWISE INDICATED.  
5. THE CONTRACTOR SHALL COORDINATE WORK WITH ALL APPROPRIATE TRADES FOR THE INSTALLATION OF PIPING, PIPE SLEEVES AND ELECTRICAL CONDUIT.  
6. ALL PIPING AND CONTROL WIRING UNDER PAVING SHALL BE INSTALLED IN SCHEDULE 80 PVC PIPE SLEEVES OF SUFFICIENT SIZE TO ALLOW FOR EASY INSERTION AND REMOVAL.  
7. IRRIGATION HEADS ARE INDICATED AS ACCURATELY AS POSSIBLE ON THE DRAWINGS. INSTALL HEADS AS INDICATED BY THE CENTERLINE OF THE SYMBOL AND IN ACCORDANCE WITH INSTALLATION DETAILS.  
8. INVESTIGATE THE EXISTING CONDITIONS AFFECTING THE CONTRACT WORK INCLUDING OBSTRUCTIONS, GRADE DIFFERENCES OR AREA DIMENSIONAL DIFFERENCES WHICH MAY NOT HAVE BEEN CONSIDERED IN THE DESIGN. IN THE EVENT OF FIELD DIFFERENCES, PLAN THE INSTALLATION WORK ACCORDINGLY BY NOTIFICATION AND APPROVAL OF THE ENGINEER AND ACCORDING TO THE CONTRACT SPECIFICATIONS.  
9. NOTIFY AND COORDINATE IRRIGATION WORK WITH OTHER DISCIPLINES FOR THE LOCATION AND INSTALLATION OF PIPE, CONDUITS OR SLEEVES THROUGH OR UNDER WALLS, ROADWAYS, PAVING, STRUCTURE, ETC. BEFORE CONSTRUCTION. CONTROL VALVE LOCATIONS SHALL BE APPROVED BY THE ENGINEER PRIOR TO BEGINNING WORK. THE CONTRACTOR SHALL EXTEND/REDUCE IRRIGATION COVERAGE IN PLANTING AREA(S) TO THE ENTIRE AREA SHOWN TO BE PLANTED PER THE LANDSCAPE DRAWINGS.  
10. THRUST BLOCKS SHALL BE INSTALLED AT ALL FITTINGS ON PIPES 2" OR GREATER.



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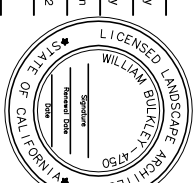
LANDSCAPE ARCHITECTURE  
INFRASTRUCTURE DESIGN  
INCORPORATING PLANTING DESIGN  
DEPARTMENT OF PUBLIC WORKS  
CITY & COUNTY OF SAN FRANCISCO  
307 MARKET STREET, 5TH FLOOR  
SAN FRANCISCO, CA 94102  
DRAWN BY: W.B. WANG 1/2012  
CHECKED BY: J. HARRIS 1/2012  
SECTION MANAGER DATE  
DEPUTY DIVISION MANAGER DATE  
DIVISION MANAGER DATE

4/17/12

**90% CONSTRUCTION  
DOCUMENTS**

No.	Date	Revisions

Drawn  
Proj. Arch. S. Kay  
Proj. Mgr. S. Kay  
Section Head W. Klein  
Date 04/17/12  
Phase



Drawing Title

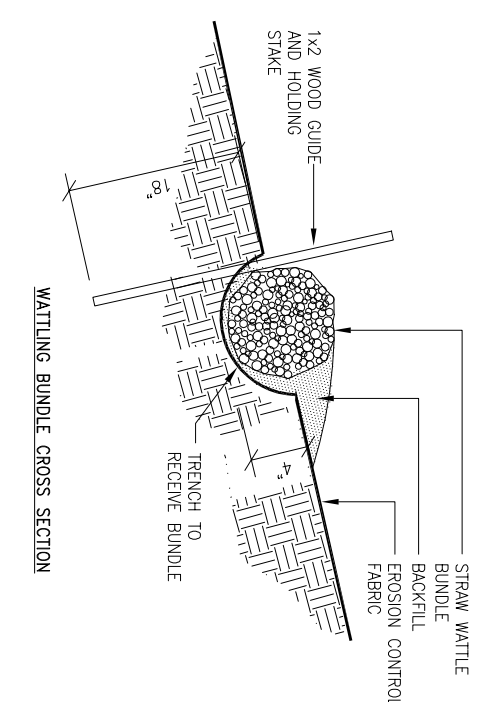
**LANDSCAPE PLANTING DETAILS**

Sheet No.

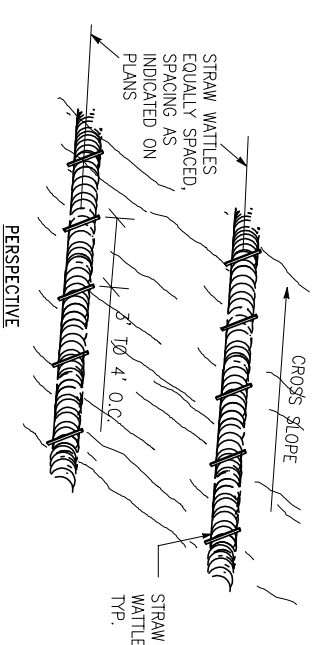
L202

Job No. Scale: 7263 A

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CONSTRUCTION**



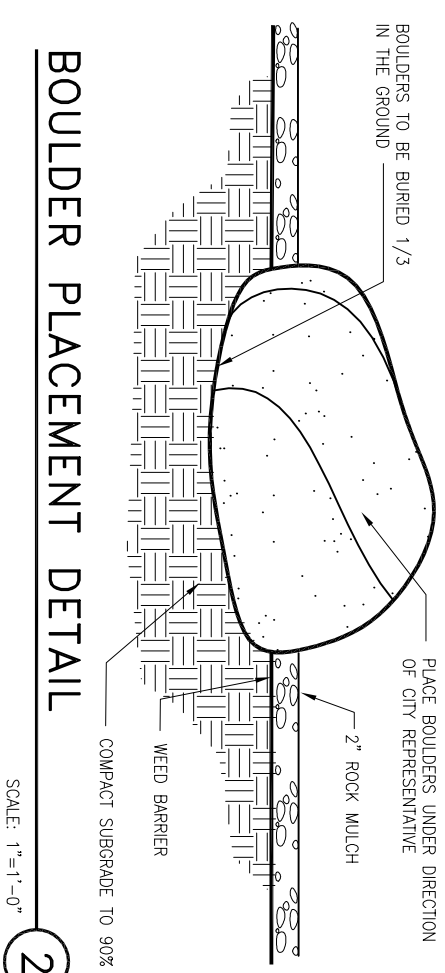
- NOTES:**
1. SLOPED AREAS DISTURBED BY CONSTRUCTION ACTIVITIES RESULTING IN EXPOSED, BARE SOIL, AND OTHER AREAS INDICATED ON THE DRAWINGS AND/OR SPECIFICATIONS, SHALL RECEIVE EROSION CONTROL MEASURES AS SHOWN ON DRAWINGS AND SPECS.
  2. SEE SPECIFICATION SECTION 02271--EROSION CONTROL FOR MORE INFORMATION REGARDING INSTALLATION OF EROSION CONTROL FABRIC AND STRAW WATTLES.



**STRAW WATTLES**

NOT TO SCALE

1



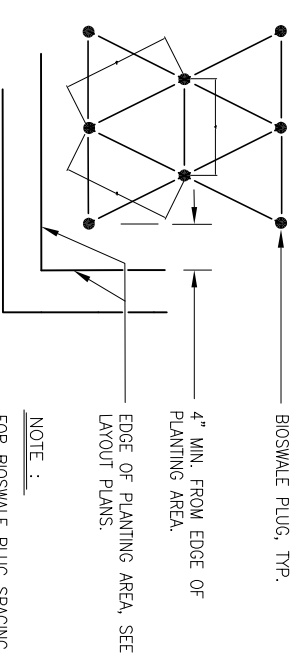
SCALE: 1"=1'-0"

2

**BIOSWALE PLUG PLANTING**

SCALE: 1"=1'-0"

3



**NOTE:**  
FOR BIOSWALE PLUG SPACING DISTANCE "X", SEE PLANT LIST.

CADD FILE NAME: Gcp  
DATE: 11-02



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CITY AND COUNTY OF SAN FRANCISCO

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LANDSCAPE ARCHITECTURE  
INFRASTRUCTURE DESIGN  
CITY AND COUNTY OF SAN FRANCISCO  
307 MARKET STREET, SUITE 200  
SAN FRANCISCO, CA 94102  
DATE: 04/17/12  
DRAWN BY: W.B. DATE: 04/17/12  
CHECKED BY: W.B. DATE: 04/17/12  
SECTION MANAGER: DATE:  
DEPUTY SECTION MANAGER: DATE:  
DIVISION MANAGER: DATE:

4/17/12  
90% CONSTRUCTION  
DOCUMENTS

No.	Date	Revisions

Drawn: S. Kay  
Proj. Arch.: S. Kay  
Proj. Mgr.: S. Kay  
Section Head: W. Klein  
Date: 04/17/12  
Phase: 90% CONSTRUCTION



Drawing Title: LANDSCAPE PLANTING PLAN

Sheet No.: L201

Job No.: 7263 A  
Scale: 1/8" = 1'-0"

SYMBOL	DESCRIPTION	AREA	BOTANICAL NAME	COMMON NAME	QNTY	NOTES
	NATIVE HYDROSEED 1, WITH EROSION CONTROL FABRIC FOR SLOPE STABILIZATION	+/- 3,250 SF	BROMUS CARINATUS VULPA MICHROSTACHYS TRIFOLIUM WILDENOVII	CALIFORNIA BROME SMALL FESCUE TOMCAT CLOVER	75% 15% 10%	
	NATIVE HYDROSEED 2, UPLAND MIX.	+/- 7,500 SF	FESTUCA RUBRA 'MOLATE BLUE' FESTUCA OCCIDENTALIS HERITAGE WILDFLOWER SEED MIX	MOLATE BLUE FESCUE WESTERN FESCUE HARD FESCUE	40% 25% 25% 10%	FROM PACIFIC COAST SEED
	BID ALTERNATE 1: NATIVE HYDROSEED 2, UPLAND MIX.	+/- 29,000 SF	SEE ABOVE	SEE ABOVE	SEE ABOVE	ALLOW 10,500 SF. BID ALTERNATE TO INCLUDE ADDITIONAL IRRIGATION. SEE IRRIGATION PLAN.
	NATIVE PERENNIAL GRASS PLUGS FOR BIOSWALE. SEE DETAIL AND SPECS	+/- 2,700 SF PLANT 18" O.C.	FESTUCA RUBRA 'MOLATE BLUE' HORDEUM BRACHYANTHERUM LEYNISUS TRICOIDES NASELLA PULCHRA	MOLATE BLUE FESCUE MEADOW BARLEY CREEPING WILD RYE PURPLE NEEDLE GRASS	350 350 350 350	PLUGS TO BE LEACHTUBERS OR SUPERCELLS. PLANT AREAS WITH EVEN DISTRIBUTION OF ALL SPECIES.

EXISTING NATIVE SHRUBS. PROTECT IN PLACE. SEE SPECS AND NOTES SHEET L001

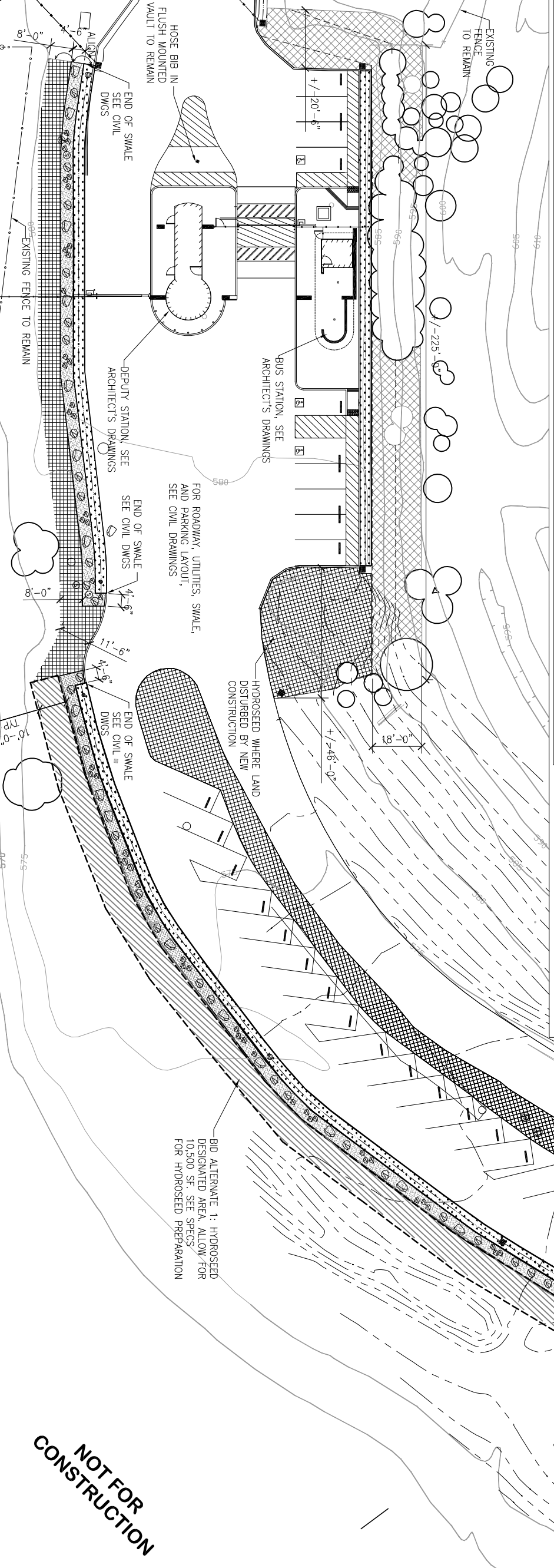
BOULDER BUFFER STRIP  
SEE DETAIL, SPECS, AND BOULDER SCHEDULE

RICE STRAW WATTLE. SEE SPECS

ALIGN

SCHEDULE OF BOULDERS				
BOULDER	QUANTITY	APPROX. SIZE	APPROX. WEIGHT	
	27	4'x3.5'x2'	4620 LB	
	48	3'x3'x2'	2970 LB	
	87	2'x2'x1.5'	990 LB	

NOTES:  
1. BOULDERS SHALL BE SONOMA FIELDSTONE AVAILABLE FROM LYNGSO GARDEN MATERIALS OR APPROVED EQUAL.  
2. FINAL BOULDER PLACEMENT IN THE FIELD SHALL BE AT THE DIRECTION OF THE CITY REPRESENTATIVE.  
3. WEATHERED SIDE OF THE BOULDER WITH DARK GRAY COLOR AND MOSS TO BE PLACED UP.  
4. SEE DETAIL 2 SHEET L202 FOR BOULDER PLACEMENT



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LANDSCAPE ARCHITECTURE INFRASTRUCTURE DESIGN 1000 MARKET STREET, SUITE 100 DEPARTMENT OF PUBLIC WORKS/ CITY & COUNTY OF SAN FRANCISCO 30 VANNESS AVENUE, 5TH FLOOR SAN FRANCISCO, CA 94102-6028 PHONE: (415) 557-4700	
DESIGNED BY:	W.B. WARD DATE: JAN 2012
DRAWN BY:	W.B. WARD DATE: MAR 2012
CHECKED BY:	DATE: MAR 2012
SECTION MANAGER	DATE
DEPUTY SECTION MANAGER	DATE
DIVISION MANAGER	DATE

**4/17/12**  
**90% CONSTRUCTION**  
**DOCUMENTS**

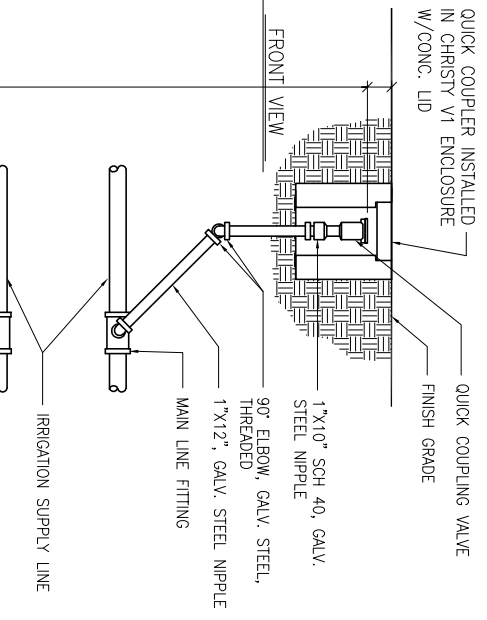
No.	Date	Revisions

Drawn	S. Kay
Proj. Arch.	S. Kay
Proj. Mgr.	S. Kay
Section Head	W. Klein
Date	04/17/12
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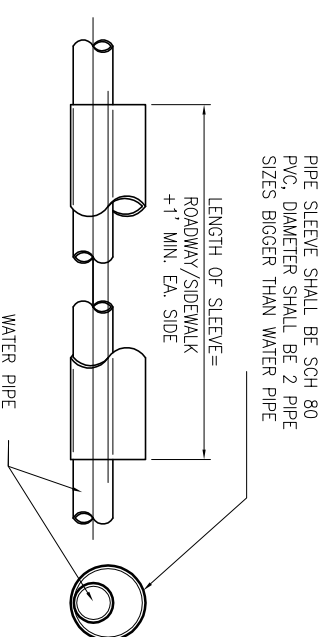


Drawing Title LANDSCAPE IRRIGATION  
DETAILS

Sheet No. L102  
Job No. 7263 A  
Scale:  



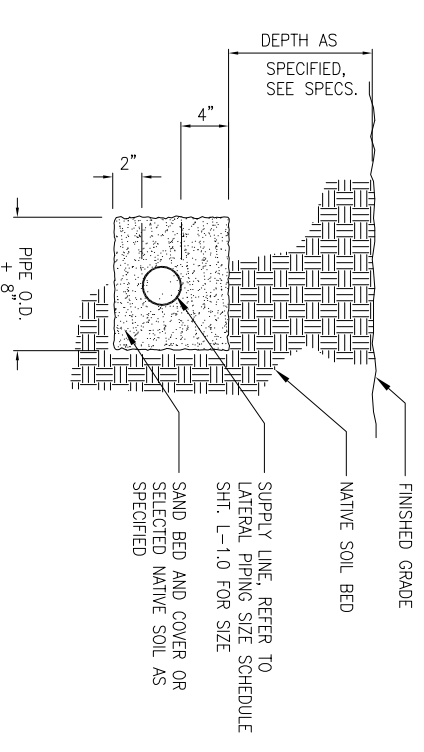
**4**  
**QUICK COUPLING VALVE**  
NOT TO SCALE



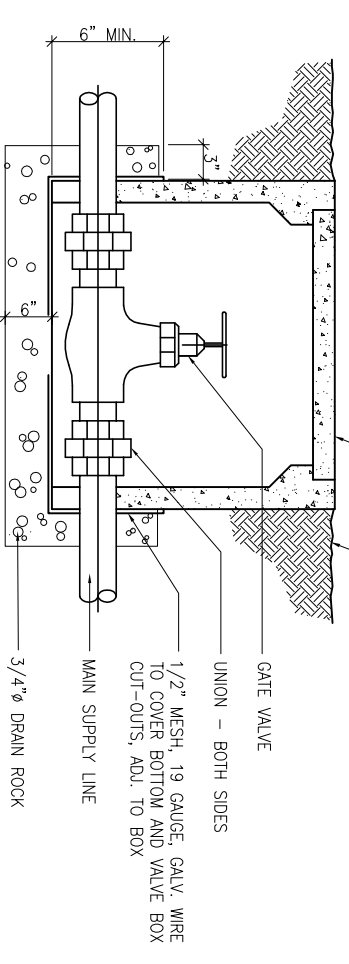
**5**  
**PIPE SLEEVE**  
NOT TO SCALE

- NOTES:
- CENTER BOX OVER VALVE TO FACILITATE SERVICING VALVE.
  - SET BOXES 1" ABOVE FINISH GRADE OR MATCH 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 LIDS WITH BOLTS INSTALLED.

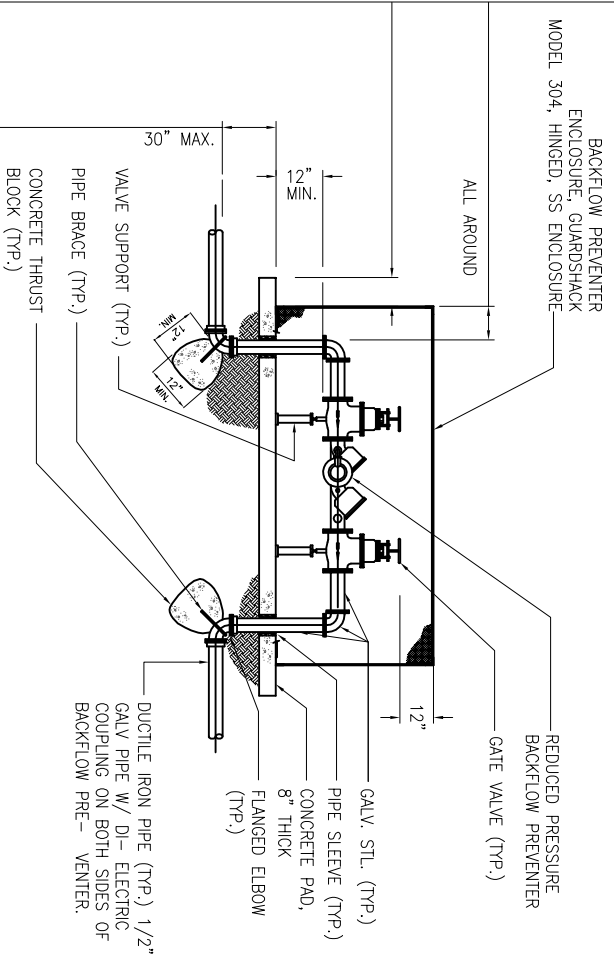
**6**  
**VALVE BOX INSTALLATION DETAIL**  
NOT TO SCALE



**1**  
**IRRIGATION SUPPLY LINE**  
NOT TO SCALE



**2**  
**GATE VALVE AND VALVE BOX**  
NOT TO SCALE



**3**  
**BACKFLOW PREVENTER INSTALLATION**  
NOT TO SCALE

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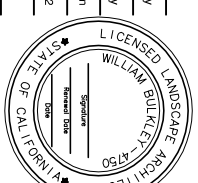
Consultant

LANDSCAPE ARCHITECTURE  
INFRASTRUCTURE DESIGN  
LANDSCAPE ARCHITECTS  
DEPARTMENT OF PUBLIC WORKS  
CITY & COUNTY OF SAN FRANCISCO  
30 VAN NESS AVENUE, SUITE 4100  
SAN FRANCISCO, CA 94102  
DATE: 04/17/12  
DRAWN BY: WMB  
CHECKED BY: WMB  
SECTION MANAGER: WMB  
DEPUTY DIVISION MANAGER: WMB  
DIVISION MANAGER: WMB

4/17/12  
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DOCUMENTS

No.	Date	Revisions

Drawn: S. Key  
Proj. Arch.: S. Key  
Proj. Mgr.: S. Key  
Section Head: W. Keenan  
Date: 04/17/12  
Phase: 90% CONSTRUCTION



Drawing Title

LANDSCAPE IRRIGATION PLAN

Sheet No. L101

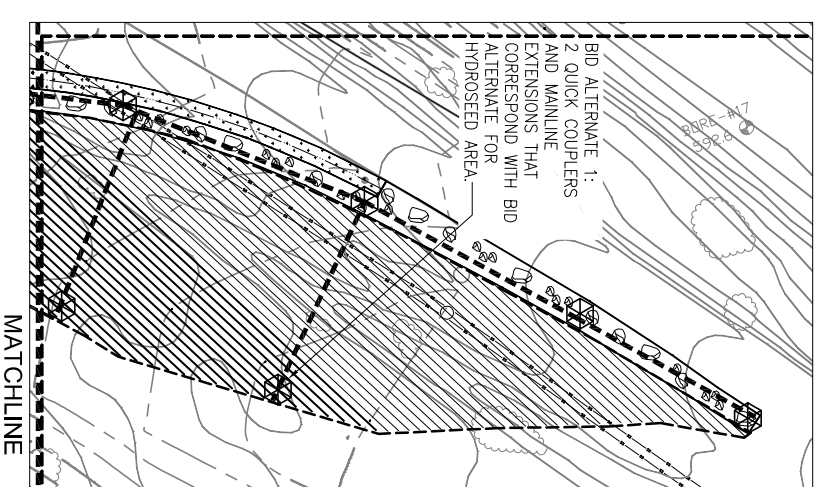
Job No. 7263 A  
Scale:

IRRIGATION LEGEND

SYMBOL	MANUFACTURER	SYMBOL DESCRIPTION
.....	-	EXISTING 1 1/2" MAINLINE. VERIFY IN FIELD
---	-	NEW MAINLINE-
---	-	GALVANIZED STEEL PIPE, 1 1/2" Ø, 24" COVER
-----	-	SCHEDULE 80 PVC SLEEVE SEE DETAIL 2 SHEET L-1.6
⋈	NIBCO	GATE VALVE T-113
⊠	FEBCO	BACKFLOW PREVENTER, 825Y, SEE IRRIGATION DETAILS
●	-	POINT OF CONNECTION
⊗	BUCKNER	1" INLET QUICK COUPLER, MODEL Q85NP10, 37 REQUIRED W/ LOCKING CAPS. LOCATE AT 50' OC. TYP.

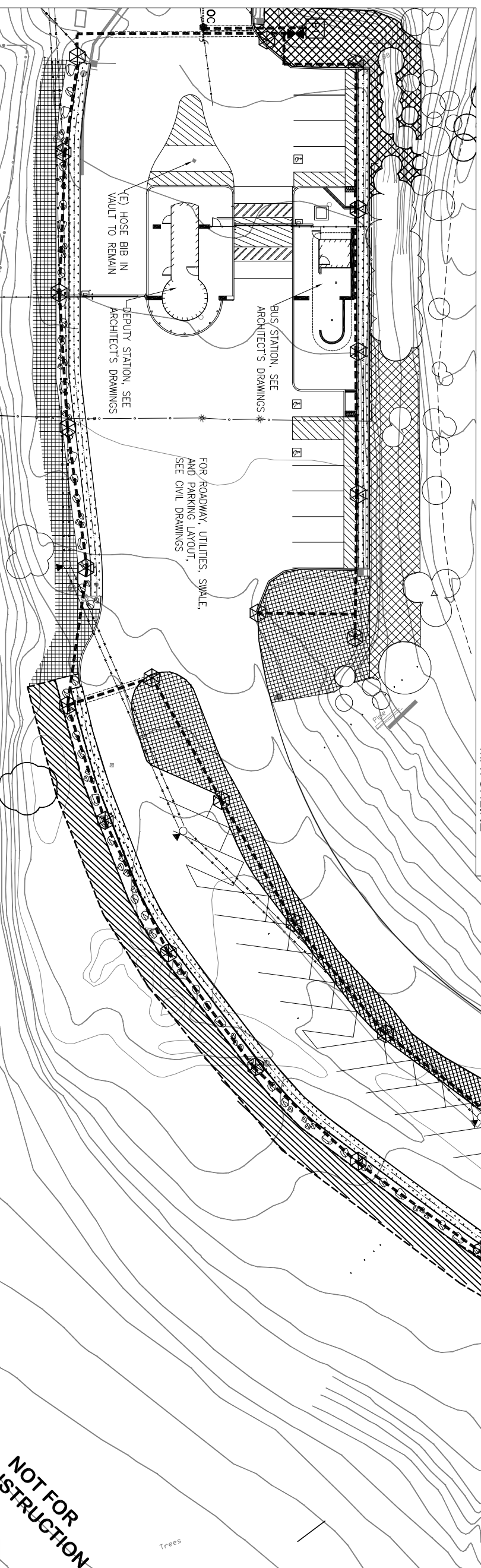
SEE NOTES SHEET L001

BID ALTERNATE:  
2 QUICK COUPLERS AND MAINLINE THAT CORRESPOND TO BID ALTERNATE FOR HYDROSEED AREA SOUTH AND EAST OF DRIVEWAY AND PARKING AREA. MAINLINE AND QUICK COUPLERS NEAR BIOSVALE AND IN MEDIAN SHALL BE INCLUDED IN BASE BID.



MATCHLINE

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