



W.B. Clausen
Structural Engineers

1127 64TH Street
Emeryville, California 94608
Ph: 510.655.4144
Fx: 510.655.1133
www.clausenengineers.com

PROJECT NAME:

Nor Cal Rock
Administrative Use Permit

30120 INDUSTRIAL PARKWAY SW
HAYWARD, CALIFORNIA

DATE:

| DATE | DESCRIPTION |
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DRAWING TITLE:

TITLE SHEET & EXISTING CONDITIONS SITE PLAN

SCALE:



DRAWN: PHC

CHECKED:

SHEET NO. **T1.0**

PROJECT NO. 25657

CAD FILE: 25657/AUP APPLICATION

DATE PLOTTED: 9/16/15

DATE REVISED:

9/16/15

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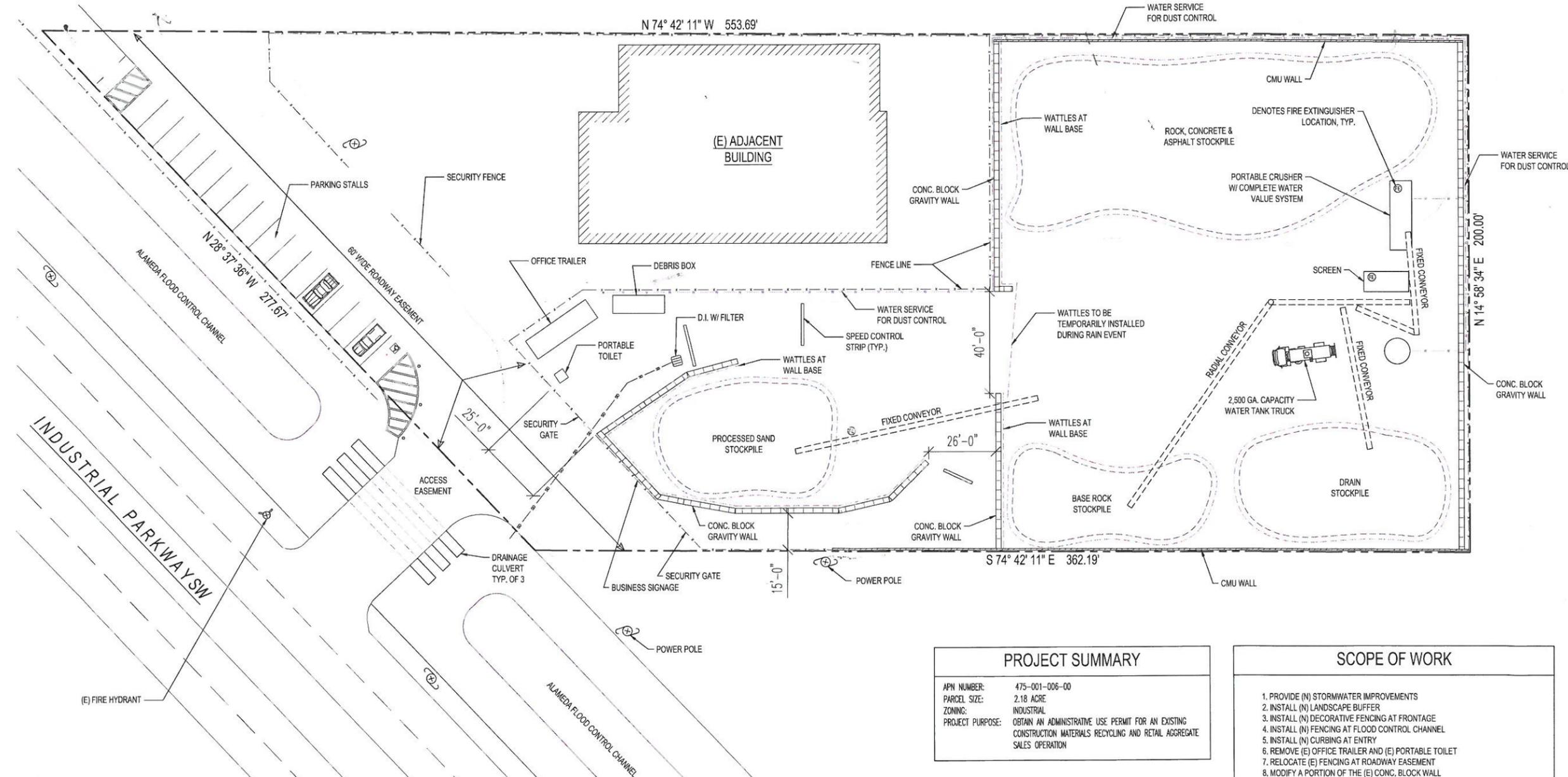
Nor Cal Rock, Inc

AUP PL-2013-0468

Hayward, California

RECEIVED
SEP 16 2015
PLANNING DIVISION

| INDEX OF DRAWINGS | |
|-------------------|---|
| SHEET NO. | SHEET TITLE |
| T1.1 | TITLE SHEET & EXISTING CONDITIONS SITE PLAN |
| C1.0 | PROPOSED CONDITIONS SITE PLAN |
| C1.1 | SITE PLAN DETAILS |
| C1.2 | PROPOSED EXTERIOR WALL PLAN |
| L1 | PLANTING PLAN (BY SAKAMOTO) |
| L2 | IRRIGATION PLAN (BY SAKAMOTO) |
| L3 | IRRIGATION DETAILS (BY SAKAMOTO) |
| L4 | HYDROZONE PLAN (BY SAKAMOTO) |
| SW1 | DMA SITE MAP (BY CAL INC.) |
| SW2 | CISTERN LOCATION (BY CAL INC.) |



| PROJECT SUMMARY | |
|------------------|---|
| APN NUMBER: | 475-001-006-00 |
| PARCEL SIZE: | 2.18 ACRE |
| ZONING: | INDUSTRIAL |
| PROJECT PURPOSE: | OBTAIN AN ADMINISTRATIVE USE PERMIT FOR AN EXISTING CONSTRUCTION MATERIALS RECYCLING AND RETAIL AGGREGATE SALES OPERATION |

| SCOPE OF WORK | |
|---------------|---|
| 1. | PROVIDE (N) STORMWATER IMPROVEMENTS |
| 2. | INSTALL (N) LANDSCAPE BUFFER |
| 3. | INSTALL (N) DECORATIVE FENCING AT FRONTAGE |
| 4. | INSTALL (N) FENCING AT FLOOD CONTROL CHANNEL |
| 5. | INSTALL (N) CURBING AT ENTRY |
| 6. | REMOVE (E) OFFICE TRAILER AND (E) PORTABLE TOILET |
| 7. | RELOCATE (E) FENCING AT ROADWAY EASEMENT |
| 8. | MODIFY A PORTION OF THE (E) CONC. BLOCK WALL |

PROJECT NUMBER
PL-2013-0468 AUP

EXISTING SITE PLAN

1" = 20'





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STAMP

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DRAWING TITLE:
TITLE SHEET & EXISTING CONDITIONS SITE PLAN

SCALE:

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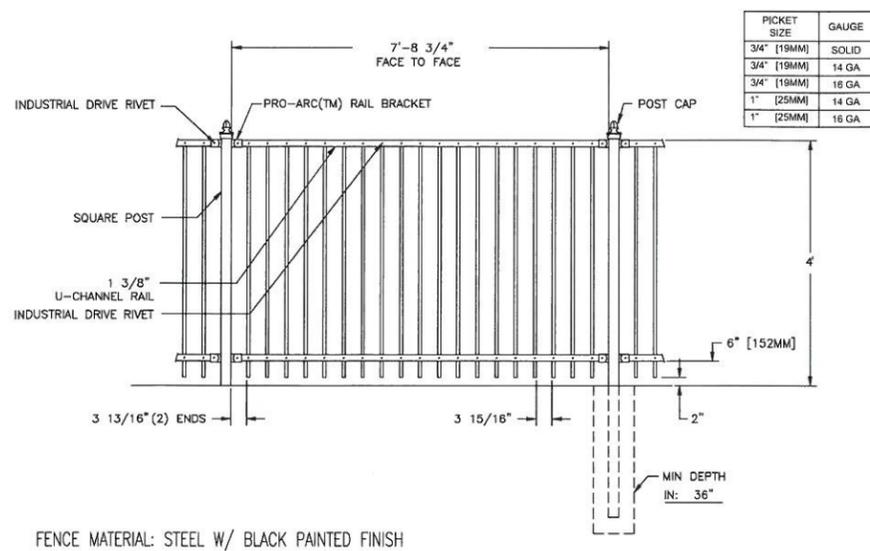
SHEET No. _____

C1.1

PROJECT No. 25657

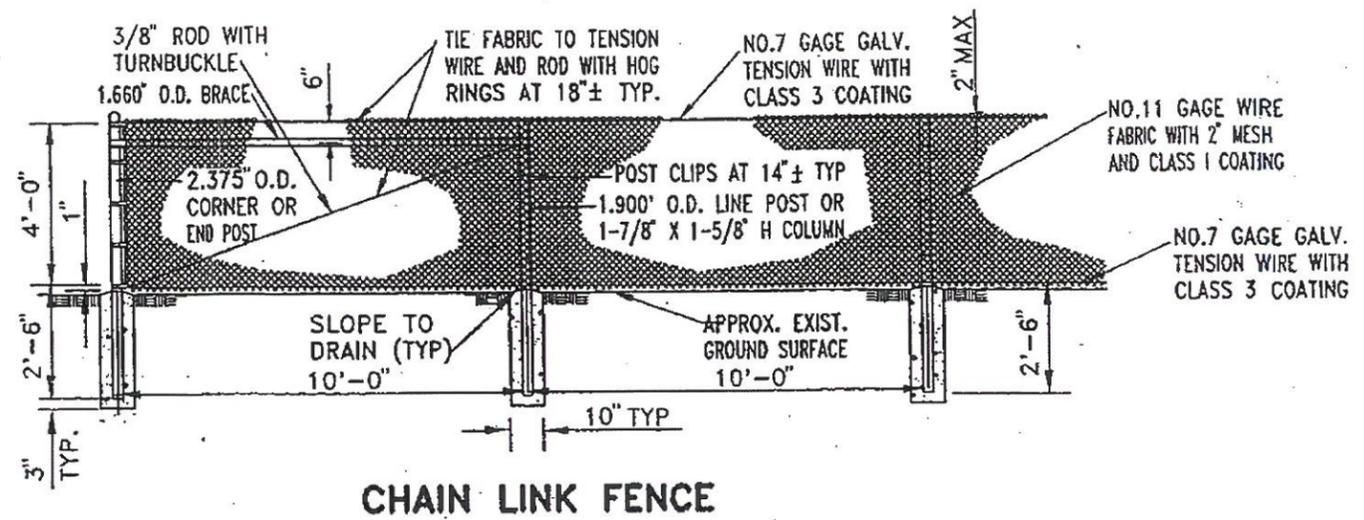
DATE MODIFIED: 9/16/15

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FENCE MATERIAL: STEEL W/ BLACK PAINTED FINISH

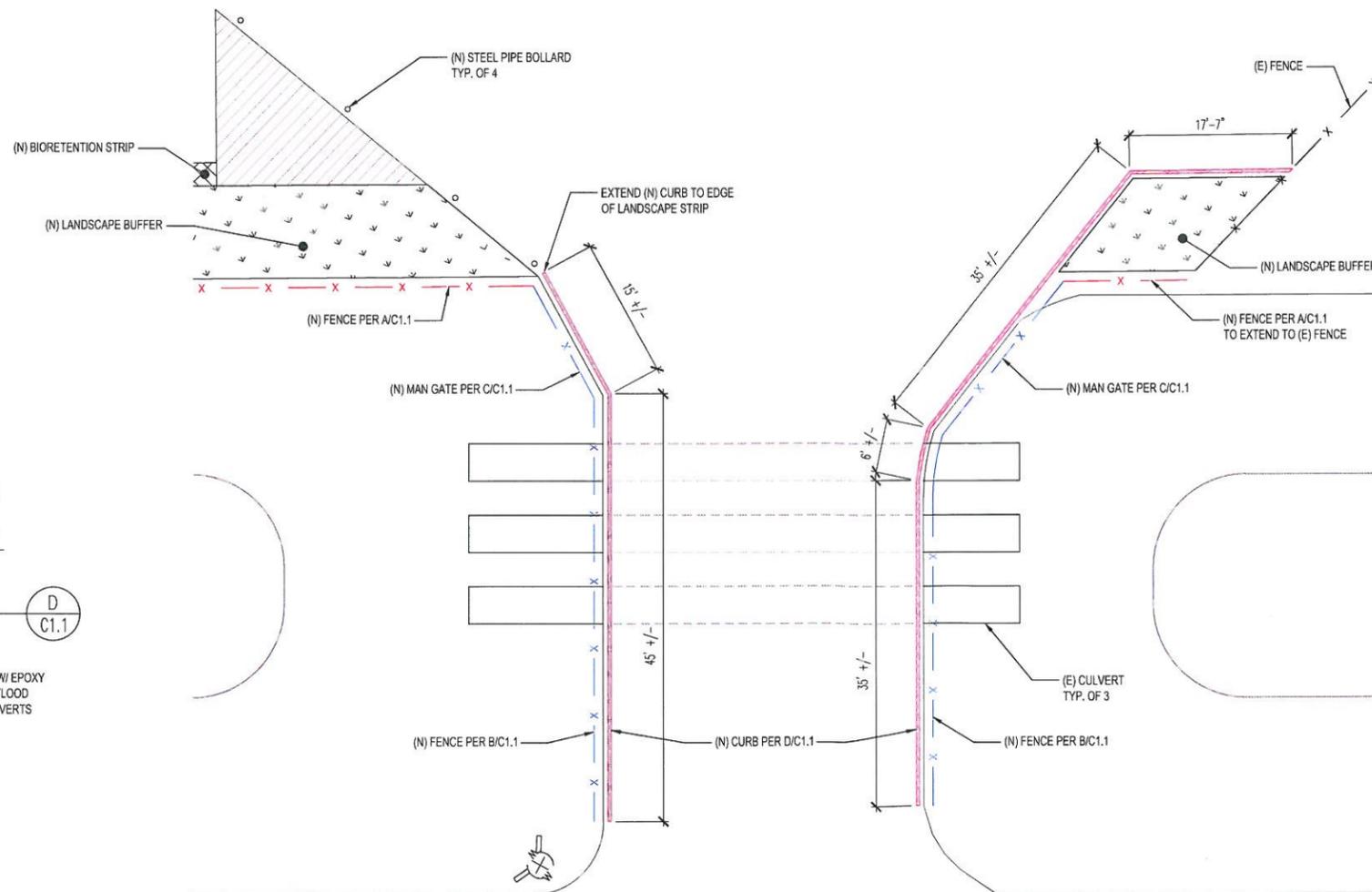
DETAIL A
3/4" = 1'



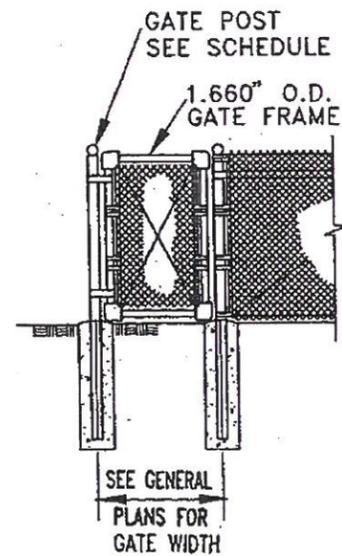
CHAIN LINK FENCE

DETAIL B
1/2" = 1'

NOTE: DETAILS PROVIDED BY ALAMEDA FLOOD CONTROL DISTRICT



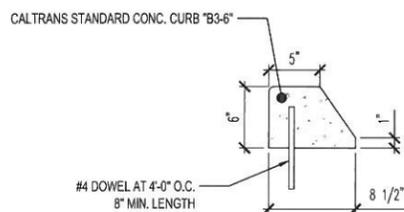
PLAN E
1/8" = 1'



| GATE POST | |
|---------------|--------|
| GATE WIDTH | O.D. |
| ≤ 6' | 2.875" |
| > 6' & ≤ 13' | 4.0" |
| > 13' & ≤ 18' | 6.625" |

DETAIL C
1/2" = 1'

NOTE: DETAILS PROVIDED BY ALAMEDA FLOOD CONTROL DISTRICT



DETAIL D
1 1/2" = 1'

NOTE: CURB TO BE BONDED TO (E) SURFACE W/ EPOXY ADHESIVE IN THE VICINITY OF THE ALAMEDA FLOOD CONTROL DISTRICT CORRUGATED STEEL CULVERTS



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DRAWING TITLE:

PROPOSED EXTERIOR WALL PLAN

SCALE:



DRAWN: _____ CHECKED: PFC

SHEET NO.:

C1.2

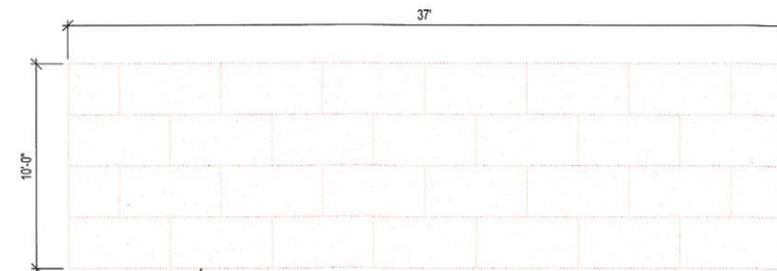
PROJECT NO.: 25657

CHK FILE: 25657/AUP APPLICATION DATE MOVED: 9/16/15

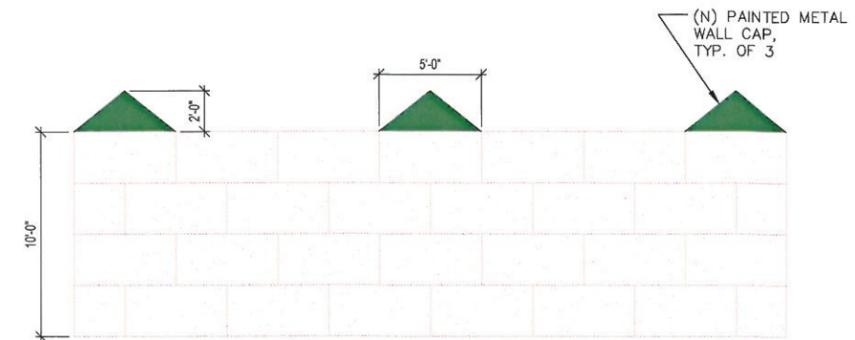
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EXISTING WALL PHOTO
NTS (B) W-1



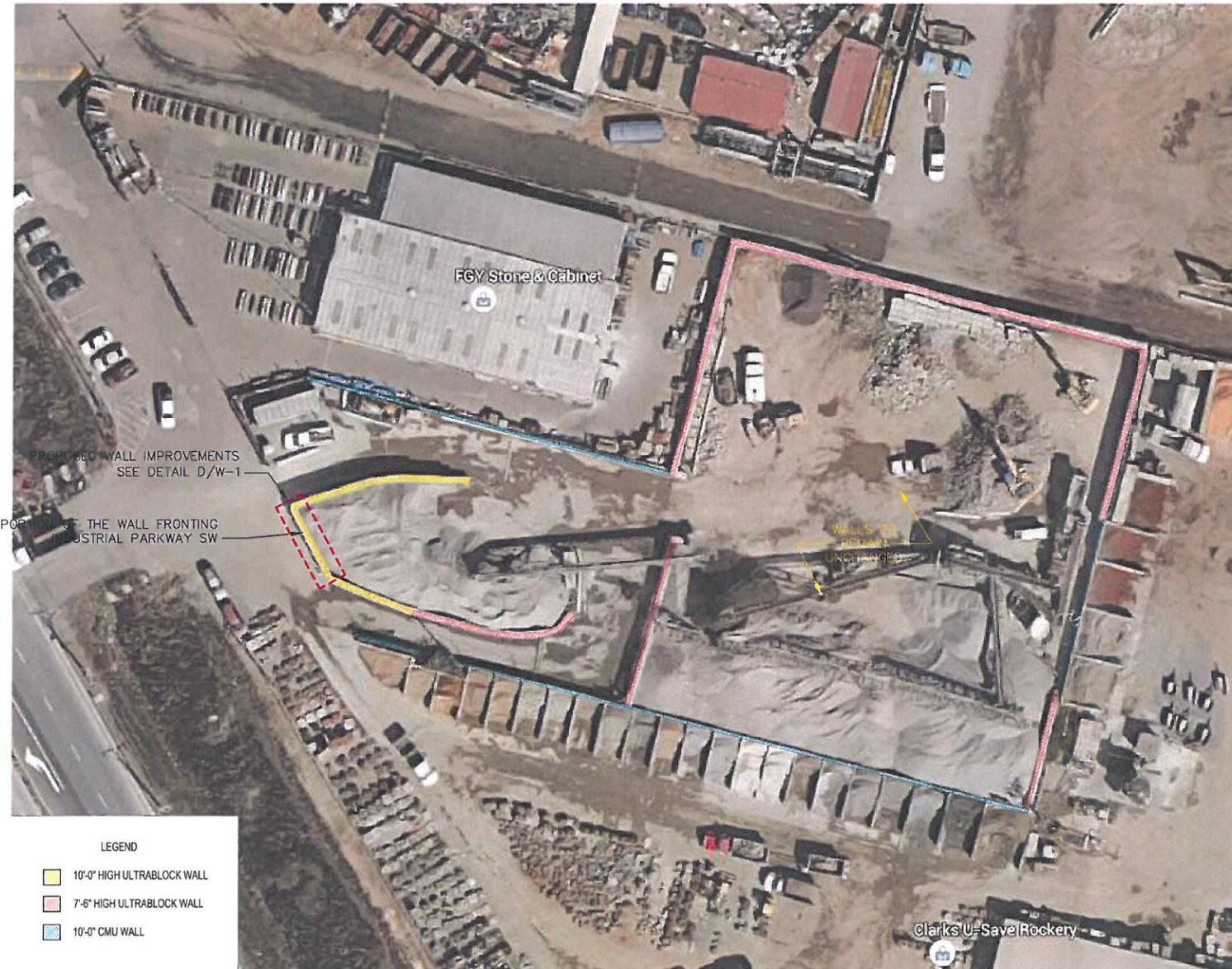
EXISTING WALL DETAIL
1/4" = 1' (C) W-1



PROPOSED WALL DETAIL
1/4" = 1' (D) W-1



PROP. WALL RENDERING
NTS (E) W-1



EXISTING SITE AERIAL
NTS (A) W-1

LEGEND

- 10'-0" HIGH ULTRABLOCK WALL
- 7'-6" HIGH ULTRABLOCK WALL
- 10'-0" CMU WALL

PROPOSED WALL IMPROVEMENTS
SEE DETAIL D/W-1

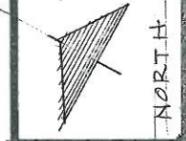
PORTION OF THE WALL FRONTING
INDUSTRIAL PARKWAY SW

WALLS TO REMAIN
UNCHANGED

@larks U=SaveRockery

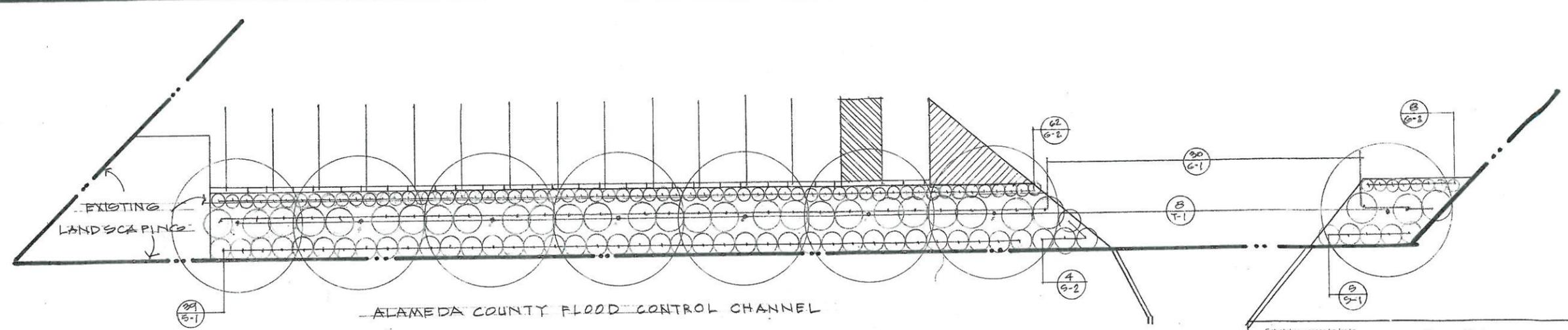
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| Attachment IV | REVISIONS | BY |
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PLANTING PLAN
 NORCAL ROCK
 2010 INDUSTRIAL PARKWAY SW
 HAYWARD, CALIFORNIA



WESLEY T. SAKAMOTO
 LANDSCAPE ARCHITECT #1078
 665 HOLLYHOCK DRIVE
 SAN LEANDRO, CA 94578

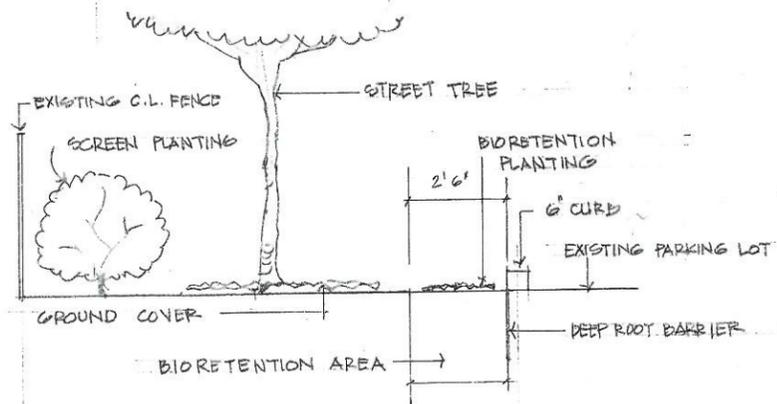
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| DRAWN | WTS |
| CHECKED | |
| DATE | 6/8/13 |
| SCALE | 1" = 10' |
| JOB NO. | |
| SHEET | 1 |
| OF SHEETS | |



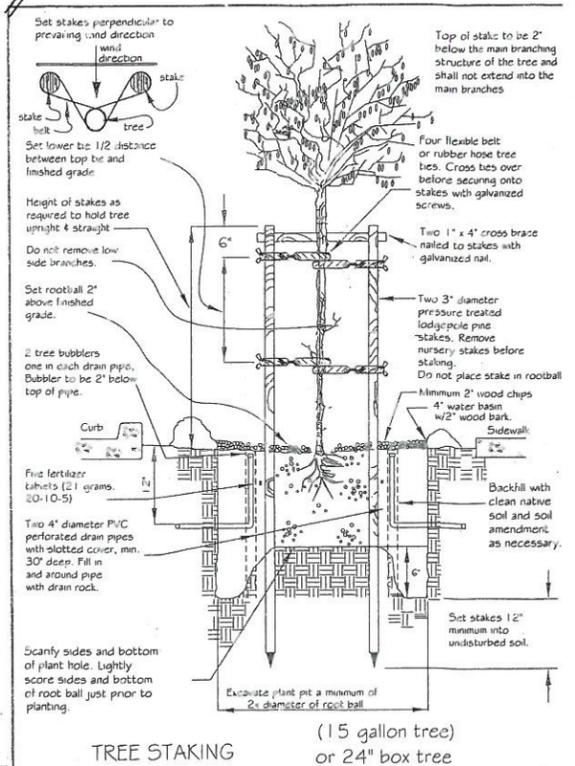
PLANT LIST

| SYMBOL | QUANTITY | BOTANICAL AND COMMON NAME | SPACING | SIZE |
|--------|----------|--|----------|---------|
| T-1 | 8 | TREES: LAURISTROEMIA 'MUNROBEE' - CRAPE MYRTLE | 24' O.C. | 24" BOX |
| S-1 | 44 | SHRUBS: CISTUS 'DORIS HIBBERSON' - ROCK ROSE | 4' O.C. | 5GC |
| S-2 | 4 | NERIUM OLEANDER 'PETITE PINK' - OLEANDER | 4' O.C. | 5GC |
| G-1 | 30 | GROUND COVERS: ARCTOSTAPHYLOS UVA-UREI - BEAR BERRY | 6' O.C. | 1GC |
| G-2 | 70 | ERIOGONUM UMBELLATUM - SULPHUR BUCKWHEAT | 3' O.C. | 1GC |

- NOTES:
- INSTALL NINE CUBIC YARDS OF ORGANIC COMPOST PER 1000 SQ. FT. FOR ALL PLANTING AREAS. ROTOTILL INTO MINIMUM OF NINE INCHES OF EXISTING SOIL.
 - BACKFILL MIX FOR PLANTS SHALL BE ONE PART ORGANIC COMPOST TO TWO PARTS NATIVE SOIL.
 - INSTALL 3" OF ORGANIC RECYCLED CHIPPED WOOD OR ARBOR CHIPPED MULCH IN DARK BROWN SHADE OR GREENWASTE IN ALL PLANTING AREAS.
 - INSTALL DEEP ROOT 18" WIDE ROOT BARRIER AT ALL LOCATIONS WHERE BIORETENTION AREAS ARE ADJACENT TO PAVED AREAS.

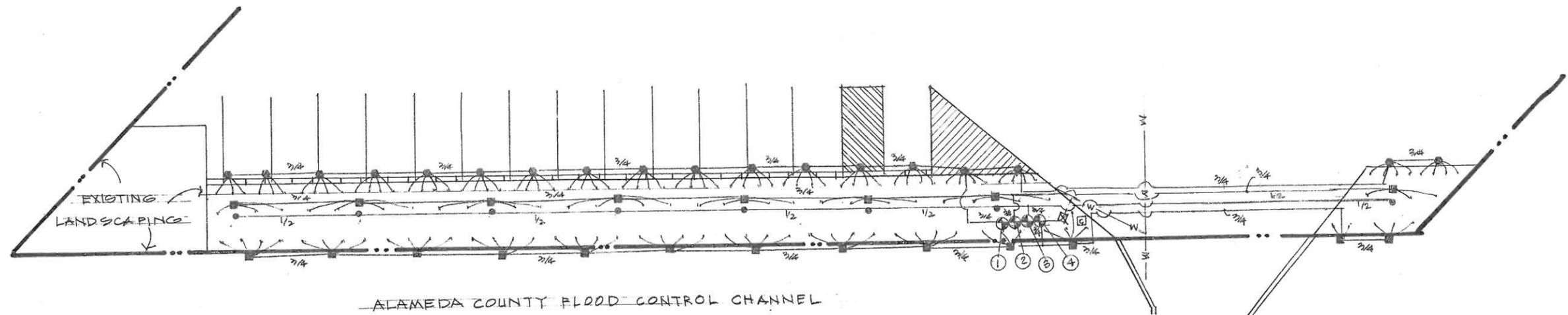


LANDSCAPE BUFFER BIORETENTION DETAIL
 SCALE 1/2" = 1'-0"



TREE STAKING
 (15 gallon tree) or 24" box tree
 CITY OF HAYWARD ENGINEERING DIVISION
 DRAWN BY F. MORALES DATE MAY 7, 2012
 CHECKED BY WTS SCALE NONE APPROVAL
 SHEET SD-127 OF 2
 RIB 9-25-01





ALAMEDA COUNTY FLOOD CONTROL CHANNEL

LEGEND

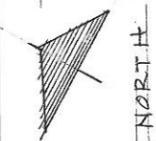
- ☒ FIBCO NO. B25Y BY 3/4" REDUCED PRESSURE BACKFLOW PREVENTER
- ⊕ RICHDEL NO. 711 APR 3/4" REMOTE CONTROL VALVE
- PEPCO QUADRA BUBBLER (GREEN PORTS)
- PEPCO QUADRA BUBBLER (BLUE PORTS)
- PEPCO QUADRA BUBBLER TUBING WITH INSECT PLUS
- MAIN LINE 3/4" SCHEDULE 40 PVC
- LATERAL LINES CLASS 200 PVC
- RAINBIRD NO. 1402 BUBBLER
- ⊞ RAINBIRD NO. ESP - SMTS SMART CONTROLLER WITH RAIN SENSOR
- — — — — EXISTING WATER MAIN

VALVE CHART

| VALVE NO | SIZE | GPM | PRESSURE | TYPE |
|----------|------|-----|----------|---------|
| 1 | 3/4" | 0.6 | 40 PSI | DRIP |
| 2 | 3/4" | 0.3 | 40 PSI | DRIP |
| 3 | 3/4" | 4.0 | 40 PSI | BUBBLER |
| 4 | 3/4" | 5.4 | 40 PSI | DRIP |

NOTES:
 INSTALL CASE FOR BACKFLOW PREVENTER, SEE DETAIL
 PROVIDE POWER TO CONTROLLER LOCATION
 INSTALL CONTROLLER IN LUMBER BOX PAINTED GREEN.
 INSTALL 1/2" GALVANIZED PIPE 0' ABOVE GRADE
 ADJACENT TO CONTROLLER LOCATION FOR RAIN SENSOR.
 INSTALL SCHEDULE 40 PVC SLEEVES UNDER PAVING.
 SLEEVES TO BE TWICE PIPE SIZE.

IRRIGATION PLAN
 NORCAL ROCK
 30120 INDUSTRIAL PARKWAY SW
 HAYWARD, CALIFORNIA

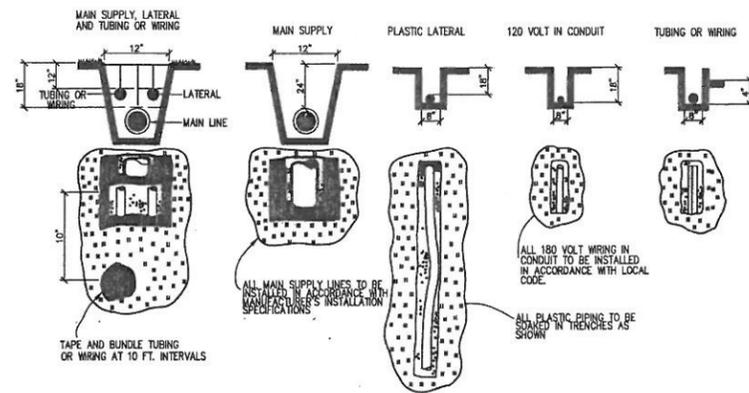


WESLEY T. SAKAMOTO
 LANDSCAPE ARCHITECT #1076
 665 HOLLYHOCK DRIVE
 SAN LEANDRO, CA 94578



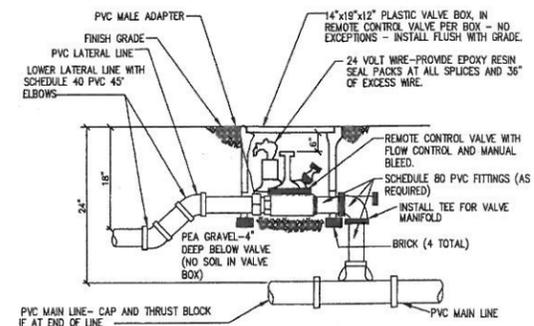
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| CHECKED | |
| DATE | 6/8/15 |
| SCALE | 1" = 10' |
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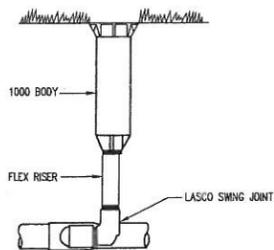
TYPICAL TRENCHING DETAIL

NOT TO SCALE



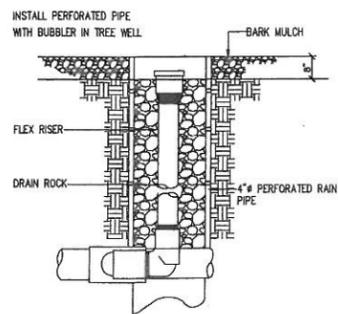
REMOTE CONTROL VALVE DETAIL

NOT TO SCALE



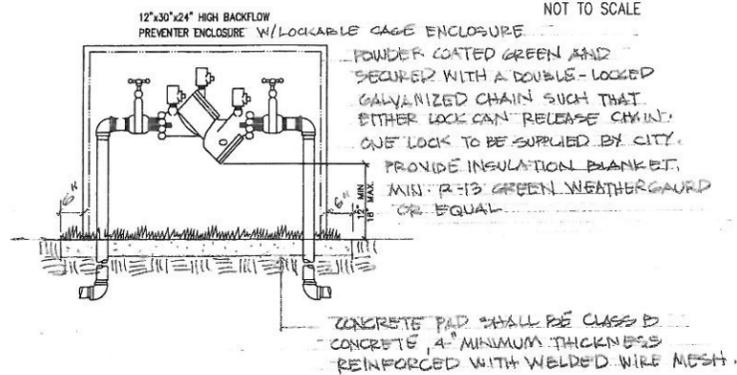
SPRAY HEAD DETAIL

NOT TO SCALE



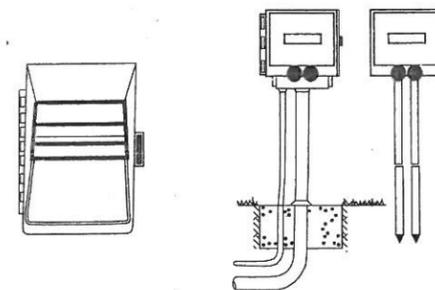
BUBBLER DETAIL

NOT TO SCALE



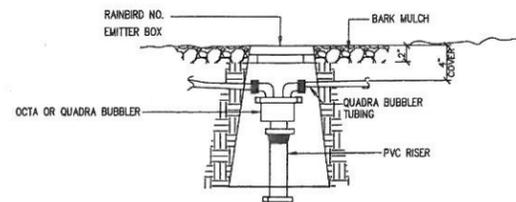
BACKFLOW PREVENTER

NOT TO SCALE



CONTROLLER DETAIL

NOT TO SCALE



OCTA AND QUADRA BUBBLER

NOT TO SCALE

IRRIGATION DETAILS



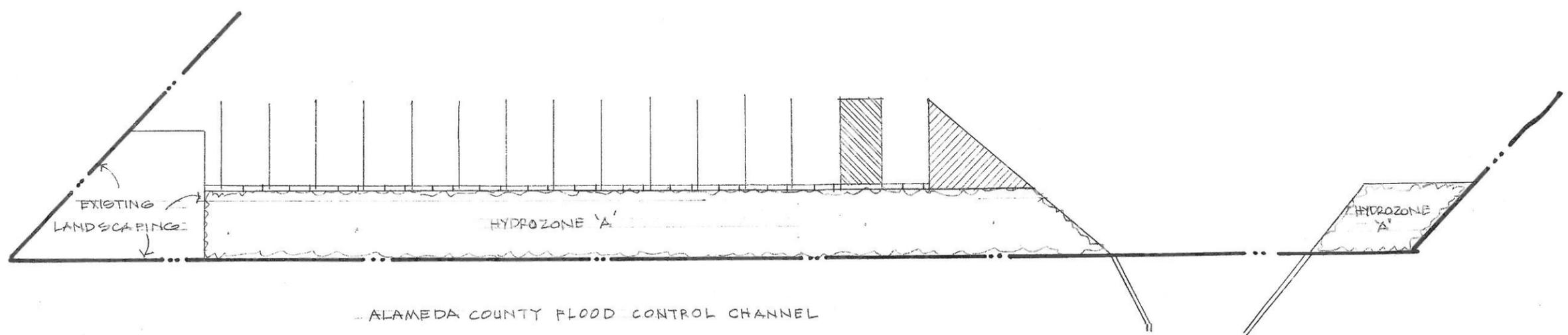
NORTH

WESLEY T. SAKAMOTO
 LANDSCAPE ARCHITECT # 1078
 665 HOLLYHOCK DRIVE
 SAN LEANDRO, CA 94578



| | |
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| DRAWN WTS | CHECKED |
| DATE | |
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ALAMEDA COUNTY FLOOD CONTROL CHANNEL

MAXIMUM APPLIED WATER ALLOWANCE

$$MAWA = (ET_0)(0.62)(0.7 \times \text{LANDSCAPED AREA})$$

$$MAWA = (44.2)(0.62)(0.7 \times 2288 \text{ S.F.}) = 43,884 \text{ GALLONS}$$

ESTIMATED TOTAL WATER USE

| HYDROZONE | HYDROZONE AREA | PLANT FACTOR | IRR. EFFICIENCY | ETWU |
|-----------|----------------|--------------|-----------------|------------|
| 'A' | 2288 S.F. | .2 | .85 | 14,751 GAL |
| TOTAL | 2288 S.F. | | | 14,751 GAL |

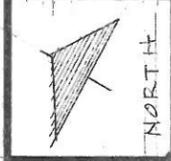
$$ETWA = (ET_0)(0.62) \left(\frac{PF \times HA}{IE} \right) = \text{ETWA GALLONS/YEAR}$$

$$ETWA = (44.2)(0.62) \left(\frac{.2 \times 2288}{.85} \right) = 14,751 \text{ GALLONS/YEAR}$$

HYDROZONE INFORMATION TABLE

| HYDROZONE | VALVE | IRRIGATION METHOD | AREA (S.F.) | % OF LA |
|-----------|-------|-------------------|-------------|---------|
| 'A' | 1 | D | 2288 | |
| 'A' | 2 | D | " | |
| 'A' | 3 | D | " | |
| 'A' | 4 | D | " | |
| TOTAL | | | 2288 | 100% |

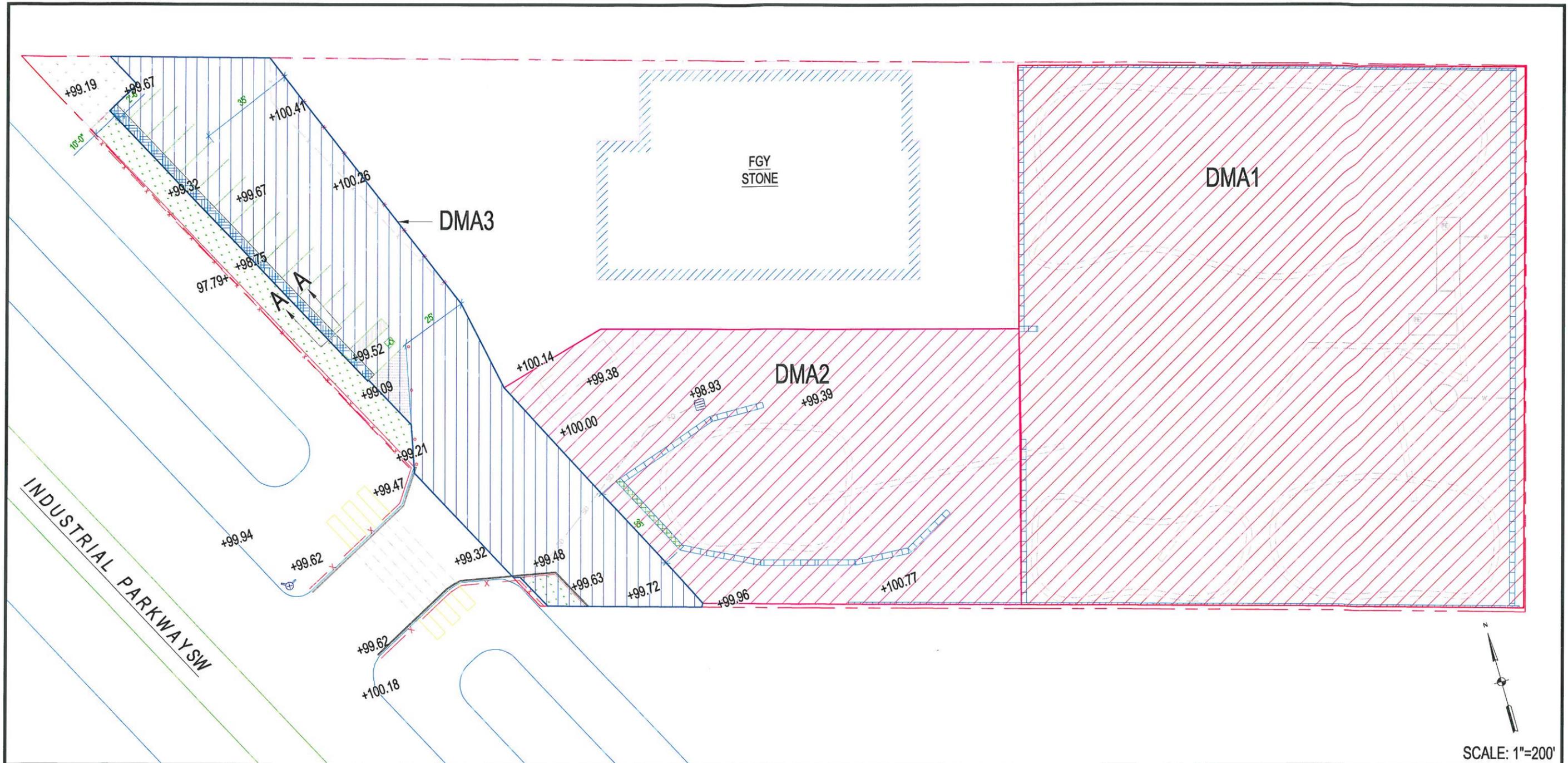
HYDROZONE PLAN
 NORCAL ROCK
 20120 INDUSTRIAL PARKWAY SW
 HAYWARD, CALIFORNIA



WESLEY T. SAKAMOTO
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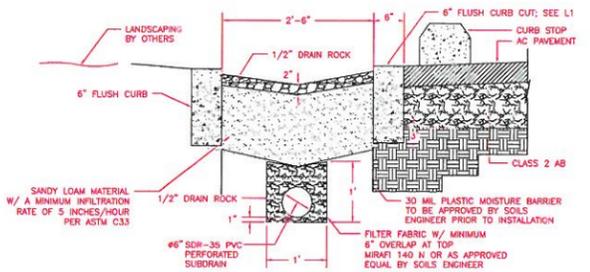
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| DRAWN | WTS |
| CHECKED | |
| DATE | 6/2/15 |
| SCALE | 1" = 10' |
| JOB NO. | |
| SHEET | L4 |
| OF SHEETS | |



SCALE: 1"=200'

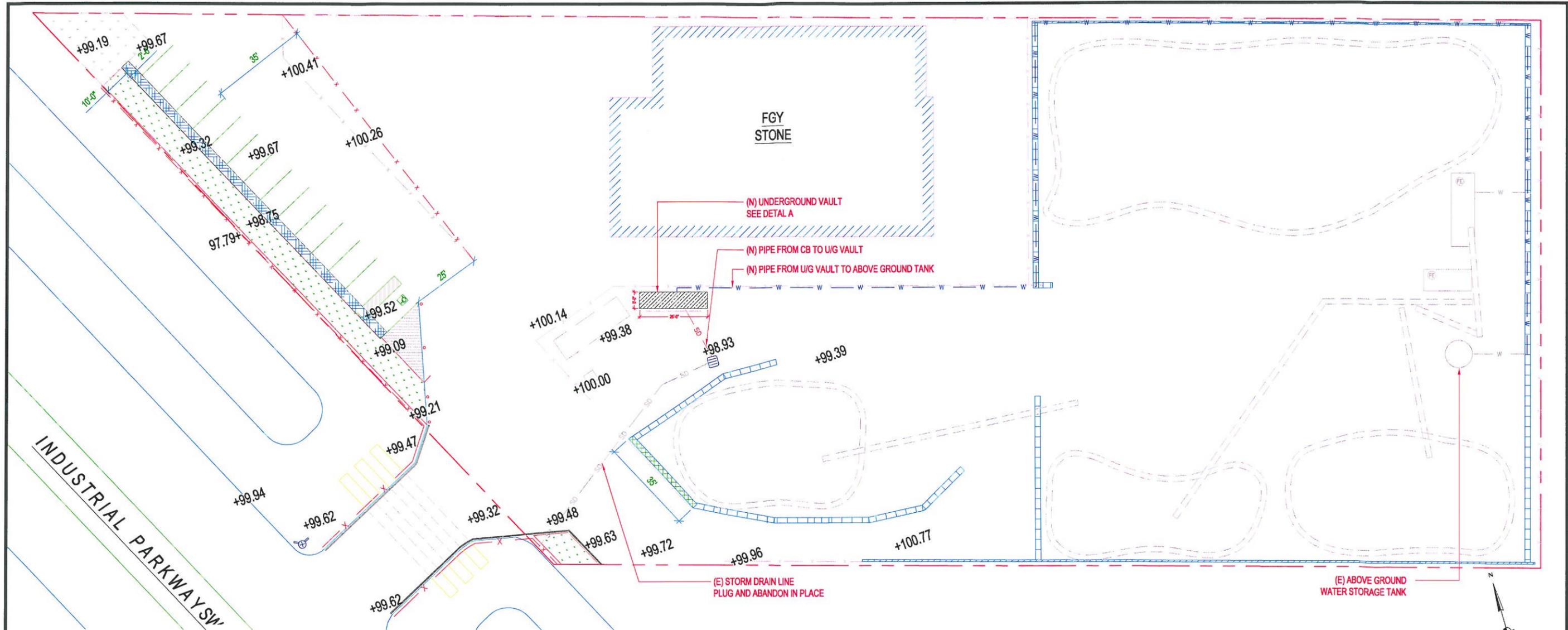
DRAINAGE MANAGEMENT AREA

- DMA 1 - PROCESSING AREA = 36,579 SQ. FT. - SELF TREATING AREA
- DMA 2 - STOCKPILE AREA = 15,778 SQ. FT. - AREA DRAINS TO IMP'S
- DMA 3 - ENTRANCE/PARKING = 12,248 SQ. FT. - AREA DRAINS TO IMP'S



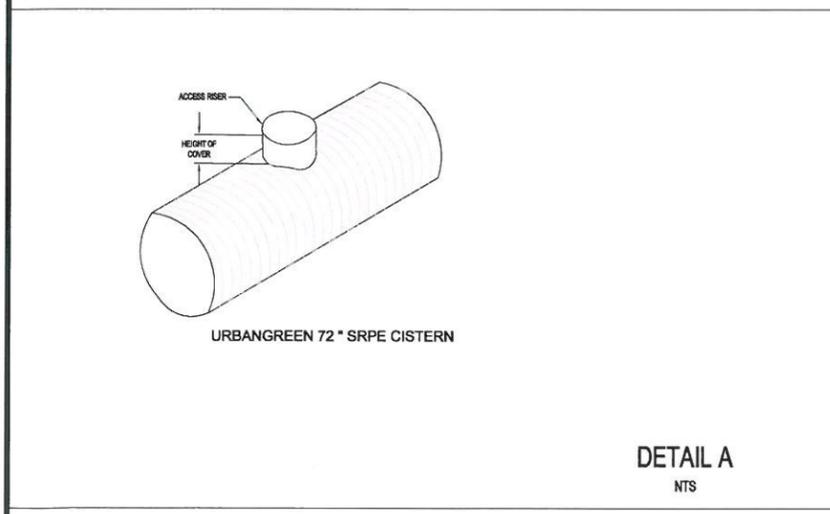
DETAIL:
SECTION A-A
NTS

| | | | | |
|--|----------------------------|------------------------|-----------------------------|----------------------|
| CAL ENVIRONMENTAL VACAVILLE, CA 95688 | INC 707-446-7996 | JOB NUMBER: XXXX | DRAWN BY: B WOOLF | DATE: 9/15/2015 |
| | | REVISION: 9/15/2015 | CAD FILENAME: XXXXFIG_1A | SCALE: AS NOTED |
| NOR CAL ROCK 30120 INDUSTRIAL PARKWAY SW HAYWARD, CA DMA SITE MAP | | | | DWG#: SW 1 |



NOTES

1. Footprint of cistern from attached sizing spreadsheet is 6'x25' - depth of excavation.
2. The 72" diameter SRPE cistern requires a minimum of 1.5' of cover and 6" of bedding, minimum depth approx. 8'.
3. This plan is for Water Control Plan (WCP) purposes.



| | | | | |
|--|--|--|-------------------------------------|-----------------------------------|
| CAL <small>ENVIRONMENTAL</small> <small>VACAVILLE, CA 95688</small> | INC <small>SERVICES</small> <small>707-446-7996</small> | <small>JOB NUMBER:</small> XXXXX | <small>DRAWN BY:</small> B WOOLF | <small>DATE:</small> 9/15/2015 |
| | <small>REVISION:</small> 9/15/2015 | <small>CAD FILENAME:</small> XXXXFIG_1A | <small>SCALE:</small> AS NOTED | |
| NOR CAL ROCK 30120 INDUSTRIAL PARKWAY SW HAYWARD, CA CISTERN LOCATION | | | | DWG# SW 2 |