

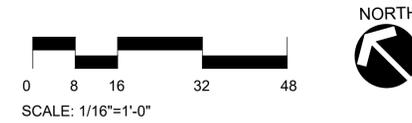
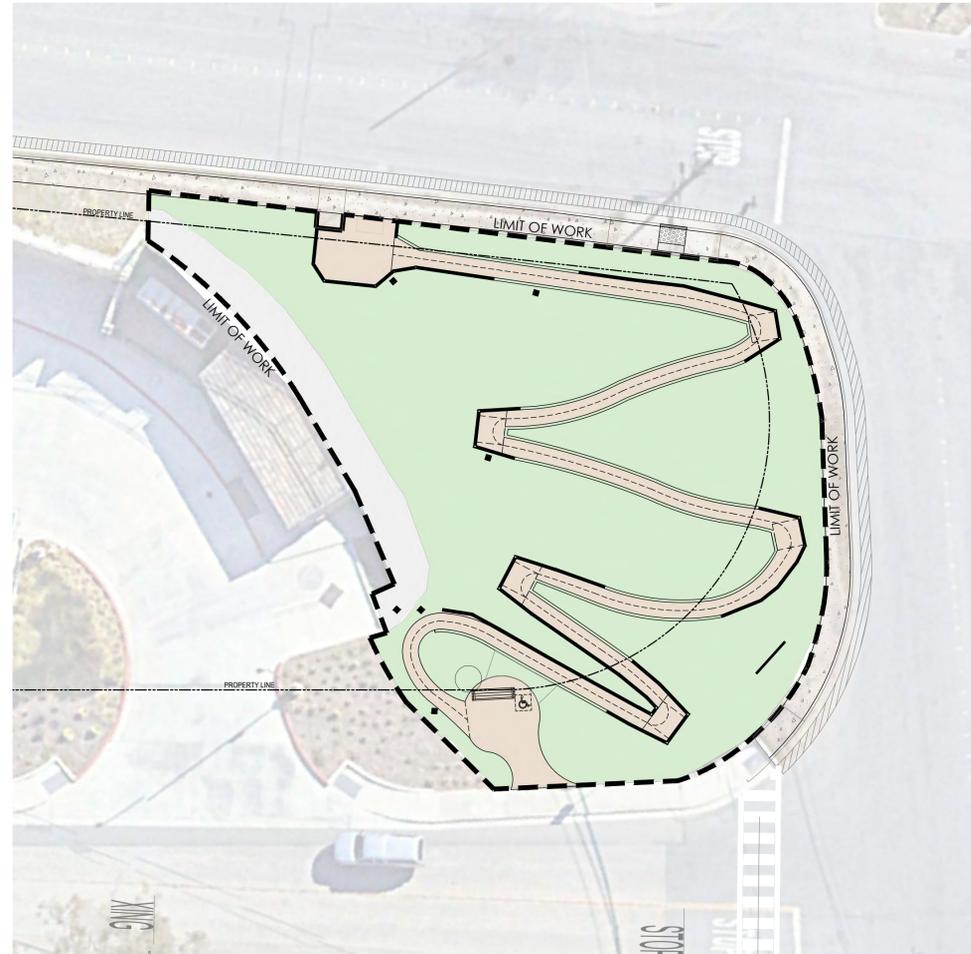
VICINITY MAP



PROJECT SITE



SITE PLAN



GENERAL NOTES:

1. THE DRAWINGS AND SPECIFICATIONS DESCRIBE IN GENERAL THE QUALITY AND CHARACTER OF THE MATERIALS, SHAPE AND CONFIGURATION OF IMPROVEMENTS AND THE DESIGN INTENT OF THE COMPLETED, INSTALLED WORK. MISCELLANEOUS ITEMS OF WORK, MATERIAL, EQUIPMENT, ETC., NECESSARY TO COMPLETE THE INSTALLATION SHALL BE PROVIDED BY THE CONTRACTOR WHETHER OR NOT MENTIONED IN THE SPECIFICATIONS OR SHOWN ON THE DRAWINGS. SPECIFIC NOTES AND DETAILS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS.
2. CONTRACTOR SHALL PROTECT EXISTING FACILITIES FROM DAMAGE. ANY DAMAGE CAUSED BY THE CONTRACTOR SHALL BE REPAIRED OR REPLACED IN KIND AT NO ADDITIONAL COST TO THE OWNER. BARRICADES, SIGNS, LIGHTS, ETC., REQUIRED FOR THE PROTECTION OF PUBLIC, PERSONNEL, PROPERTY AND MATERIAL SHALL BE PROVIDED FOR AND MAINTAINED DURING CONSTRUCTION BY THE CONTRACTOR, AND SHALL CONFORM TO ALL GOVERNING CODES, ORDINANCES AND REGULATIONS.
3. THE CONTRACTOR SHALL EMPLOY ALL MEANS NECESSARY TO CONTROL DUST AT AND NEAR THE SITE OF WORK AND ALONG APPROACH ROUTES TO THE CONSTRUCTION SITE.
4. CONTRACTOR SHALL PROVIDE ALL TOOLS, TRANSPORTATION, UTILITIES, TEMPORARY FACILITIES, AND OTHER SERVICES AS NECESSARY FOR PROPER EXECUTION OF THE WORK, AND SHALL ASSUME FULL RESPONSIBILITY FOR PROTECTION AND SAFEKEEPING OF THESE ELEMENTS DURING CONSTRUCTION. THE CONTRACTOR SHALL CONTACT THE OWNER'S REPRESENTATIVE IN ADVANCE FOR APPROVAL OF THE MATERIAL STORAGE AREA AT THE JOB SITE.
5. CONTRACTOR SHALL MAINTAIN GOOD CLEANLINESS PRACTICES AT THE JOB SITE. EXCESS BUILDING MATERIALS AND DEBRIS SHALL BE REMOVED PROMPTLY FROM THE JOB SITE AND DISPOSED OF AT AN APPROVED DUMPSITE. THE JOB SITE SHALL BE LEFT CLEAN AT THE END OF EACH WORKDAY. BEFORE ACCEPTANCE BY THE OWNER'S REPRESENTATIVE, THE COMPLETED CONSTRUCTION SHALL BE CLEARED, ANY APPLICABLE LABELS REMOVED, AND ALL OTHER TOUCHUP WORK COMPLETED. ALL FINISH MATERIALS SHALL BE PROTECTED AT ALL TIMES AGAINST SUBSEQUENT DAMAGE UNTIL FINAL ACCEPTANCE BY THE OWNER.
6. CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.
7. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE OWNER'S REPRESENTATIVE OF ANY DIFFERENCES IN LOCATIONS OF EXISTING UTILITIES FROM THAT SHOWN, OR ANY CONFLICTS WITH THE DESIGN BEFORE CONTINUING WORK IN THAT AREA.
8. PROVIDE ADEQUATE COVER FOR THE PROTECTION OF ALL PROPOSED AND EXISTING UTILITIES DURING THE CONSTRUCTION OF THIS PROJECT.
9. ANY REVISIONS OR ADDITIONAL WORK REQUIRED AS A RESULT OF FIELD CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE. WORK PERFORMED BY THE CONTRACTOR WITHOUT WRITTEN AUTHORIZATION SHALL BE THE FULL RESPONSIBILITY OF THE CONTRACTOR WHO SHALL BEAR ALL COSTS ATTRIBUTABLE THERETO. ANY AND ALL REVISIONS SHALL BE IN WRITTEN CHANGE ORDER FORM AND APPROVED AND AUTHORIZED BY THE OWNER BEFORE BEGINNING WORK.
10. ALL REVIEWS AND APPROVALS REQUIRED BY LANDSCAPE ARCHITECT REFERENCED WITHIN THESE DRAWINGS SHALL BE REFERRED TO THE OWNER'S REPRESENTATIVE.

SHEET INDEX

- L0.00 GENERAL NOTES
- L1.00 CONSTRUCTION PLAN
- L1.01 KEY DIMENSION AND GRADING PLAN
- L1.02 LANDSCAPE SECTIONS
- L1.03 LANDSCAPE DETAILS
- L2.00 IRRIGATION LEGEND
- L2.01 IRRIGATION PLAN
- L2.02 IRRIGATION DETAILS
- L2.03 IRRIGATION DETAILS
- L3.00 PLANTING PLAN AND SCHEDULE
- L3.01 PLANTING DETAILS
- L4.00 DEFENSIBLE SPACE CONCEPT SLIDES
- C-1 CIVIL SIDEWALK DEMO PLAN
- C-2 CIVIL SIDEWALK GRADING PLAN

PROJECT TEAM

CLIENT:  
 CALFIRE  
 JONATHAN COX, DEPUTY CHIEF  
 - SAN MATEO DIVISION  
 E: JONATHAN.COX@FIRE.CA.GOV  
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LANDSCAPE ARCHITECT:  
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CIVIL ENGINEER:  
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 (408) 709-6297

PROJECT/CLIENT NAME  
**COASTSIDE FIRE  
 PROTECTION DISTRICT  
 FIRE STATION #41**

OBISPO ROAD, EL  
 GRANADA, CA, 94018

PROJECT NUMBER  
**22103A**

CONSULTANT

SUBMITTAL  
**100%  
 CONSTRUCTION  
 DOCUMENTS**

DATE  
**17TH MAY 2024**

REVISIONS

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REGISTRATION AND SIGNATURE

SHEET TITLE  
**COVER SHEET AND  
 GENERAL NOTES**

DRAWN BY: SS CHECKED BY: KM

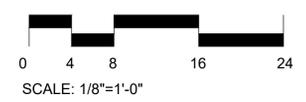
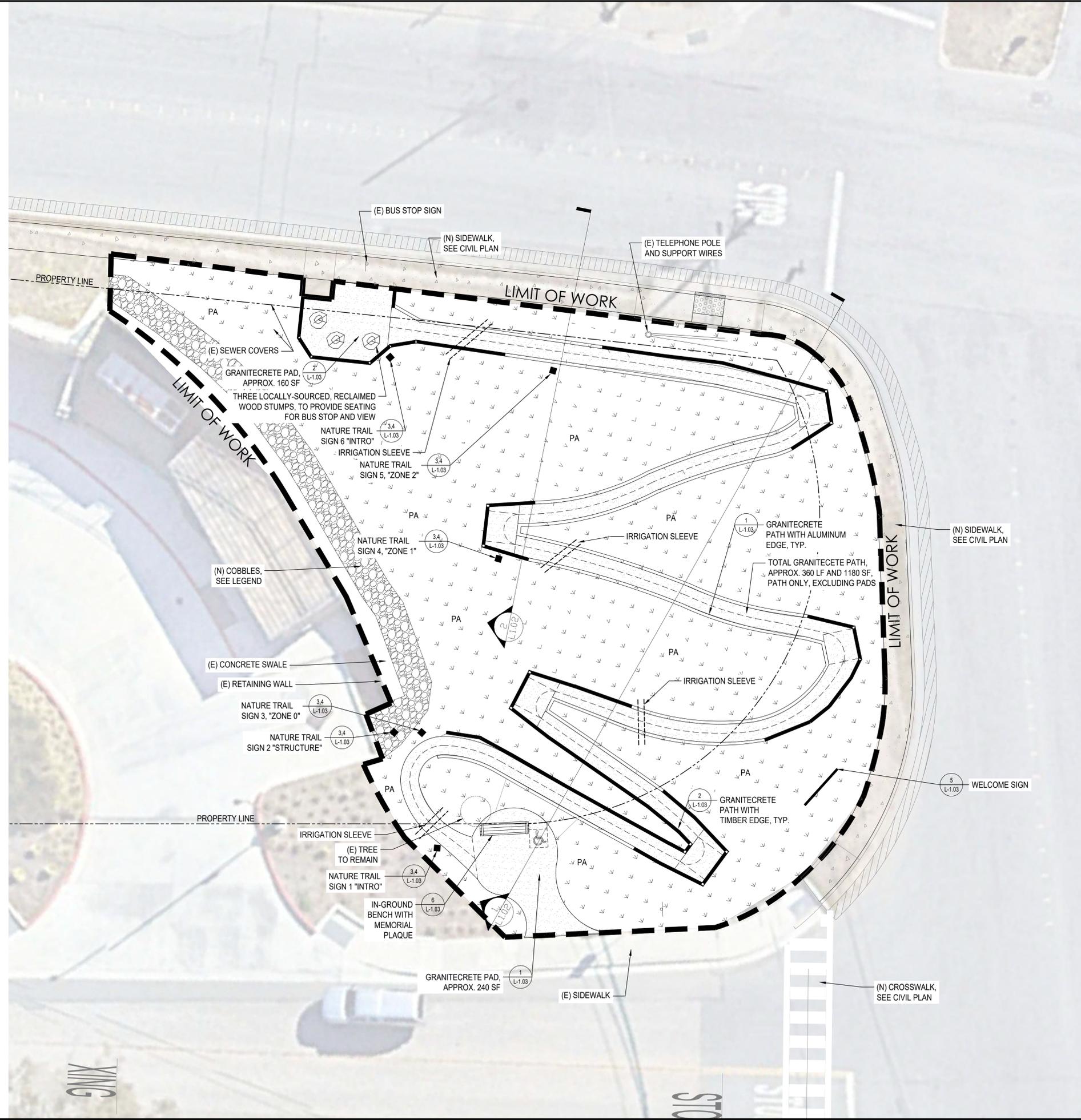
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**LEGEND**

-  GRANITECRETE PATH AND PADS, SEE CALLOUTS FOR APPROX. SQUARE FOOTAGE
-  CENTERLINE OF PATH
-  LANDSCAPE TIMBER EDGING, SEE SECTIONS ON L-1.02 AND DETAIL 2 ON L-1.03
-  SLEEVING UNDER PATH FOR IRRIGATION LINES
-  PLANTING AREA, AMEND SITE SOIL, PREPARE PER SOIL ANALYSIS AND RECOMMENDATIONS, 3" MULCH TOP LAYER APPROX. 6800 SF
-  COBBLES, SEE PLANTING SPECIFICATIONS. THIS IS THE 5' WIDE "ZONE 0 DEFENSIBLE SPACE", APPROX. 490 SF
-  NEW CONCRETE SIDEWALK, PER CIVIL PLAN
-  CENTERLINE OF PATH





**LEGEND**

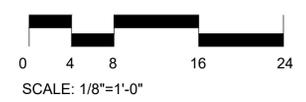
- + 47.63 EXISTING ELEVATION
- EXISTING CONTOURS
- +42.4' NEW PATH FINISHED GRADE ELEVATION
- 5% → NEW PATH FINISHED SLOPE. PATH TO BE 5% OR LESS, WITH 2% OR LESS CROSS SLOPE LANDINGS AND PADS TO BE 2% OR LESS
- APPROXIMATE AREA OF RE-GRADING, MAX SLOPE 3:1, SEE SECTIONS ON L-1.02 FOR EXAMPLE
- NEW CONCRETE SIDEWALK, PER CIVIL PLAN

**KEY DIMENSION NOTES**

1. THE CONTRACTOR IS RESPONSIBLE TO LAYOUT ALL IMPROVEMENTS AS SHOWN AND SPECIFIED.
2. THE CONTRACTOR SHALL FIELD VERIFY THAT ALL STAKING SET FOR IMPROVEMENTS ARE CONSISTENT WITH THE DESIGN INTENT OF THESE PLANS AND IMMEDIATELY NOTIFY THE OWNER'S REPRESENTATIVE AND LANDSCAPE ARCHITECT OF ANY DISCREPANCY.
3. ALL CURVES TO BE CONTINUOUS WITH SMOOTH TRANSITIONS AS SHOWN IN THE DRAWINGS, UNLESS OTHERWISE NOTED.

**GRADING NOTES**

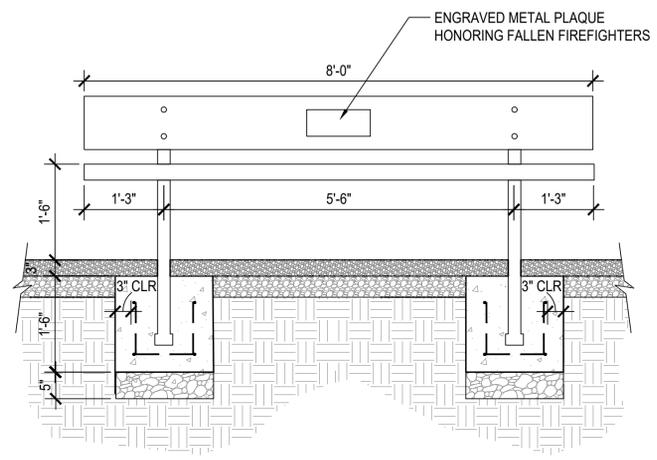
1. THE CONTRACTOR IS RESPONSIBLE FOR CONFORMING TO ALL IMPROVEMENTS TO THE ADJACENT EXISTING CONDITIONS WITH SMOOTH TRANSITIONS TO AVOID ANY ABRUPT OR APPARENT CHANGES IN GRADES, CROSS SLOPE, HAZARDOUS CONDITIONS, ETC.
2. CONTRACTOR TO NOTIFY THE OWNER'S REPRESENTATIVE OF ANY DISCREPANCIES BETWEEN THE DESIGN INTENT AND EXISTING CONDITIONS AND ANY CONFLICTING INFORMATION REGARDING FINISH GRADES AND ELEVATIONS.
3. ALL EXISTING UTILITY STRUCTURES (SHOWN OR NOT SHOWN ON THE DRAWINGS) WITHIN THE AREA OF WORK SHALL BE ADJUSTED OR RECONSTRUCTED TO THE FINISH GRADES SHOWN AND SPECIFIED.
4. ALL FINISH GRADES AND CONTOURS IN PLANTING AREAS REFER TO FINISH GRADE OF THE MULCHED LANDSCAPE.





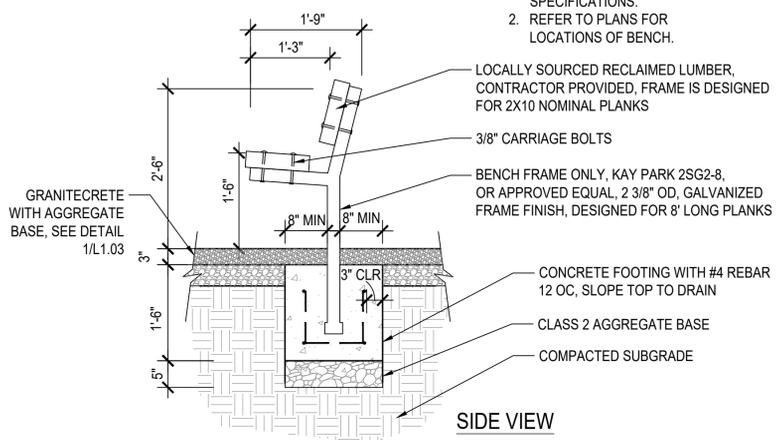
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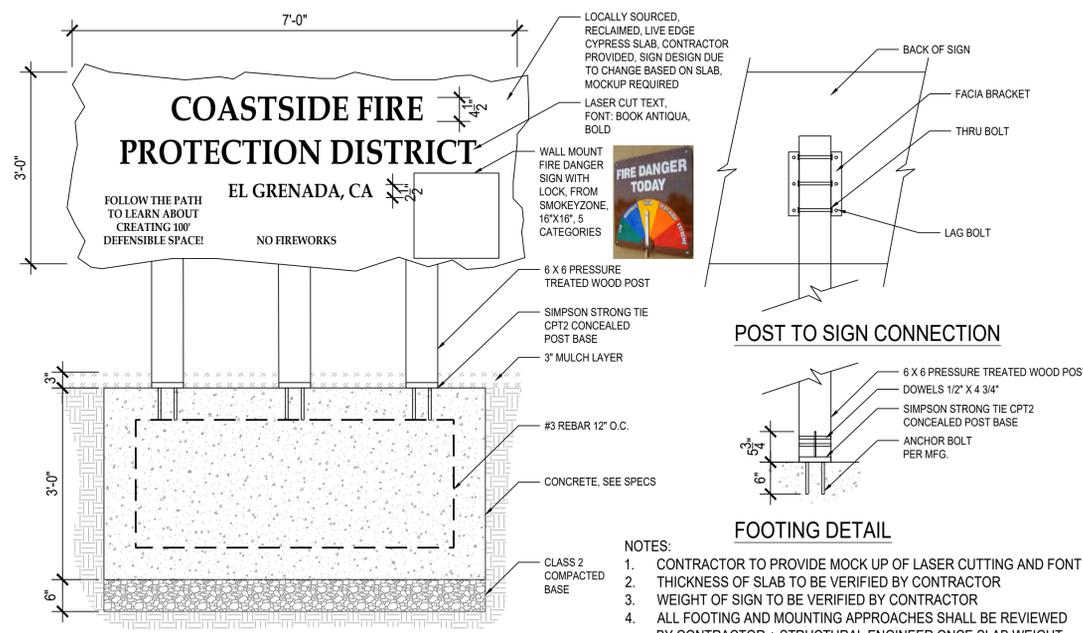
FRONT VIEW

- NOTES:
1. INSTALL PER MANUFACTURERS SPECIFICATIONS.
  2. REFER TO PLANS FOR LOCATIONS OF BENCH.



SIDE VIEW

**6 IN-GROUND BENCH WITH MEMORIAL PLAQUE**  
SCALE: 3/4" = 1'-0"



POST TO SIGN CONNECTION

FOOTING DETAIL

- NOTES:
1. CONTRACTOR TO PROVIDE MOCK UP OF LASER CUTTING AND FONT
  2. THICKNESS OF SLAB TO BE VERIFIED BY CONTRACTOR
  3. WEIGHT OF SIGN TO BE VERIFIED BY CONTRACTOR
  4. ALL FOOTING AND MOUNTING APPROACHES SHALL BE REVIEWED BY CONTRACTOR + STRUCTURAL ENGINEER ONCE SLAB WEIGHT HAS BEEN VERIFIED, AND APPROVED FOR STRUCTURAL VIABILITY PRIOR TO CONSTRUCTION.

**5 WELCOME SIGN**  
SCALE: 3/4" = 1'-0"

**SIGN 1**  
**FIRE RESISTANT LANDSCAPING**  
Walk this path to learn how to protect your home from fire with 'defensible space' planting zones. For more information visit [defensible.space.org](http://defensible.space.org)

**SIGN 2**  
**STRUCTURE**  
Think of this wall in front of you as the outer wall of your home.

**SIGN 3**  
**ZONE 0**  
0-5FT FROM STRUCTURE  
An ember resistant zone with no combustible materials or plants - could be a rock garden or pathway.

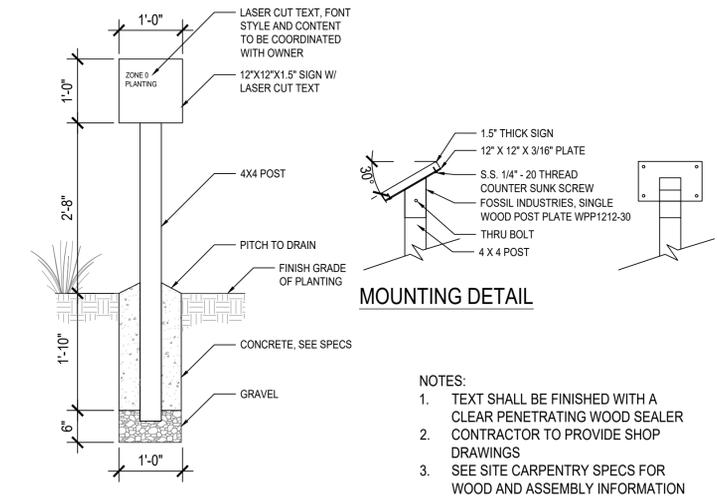
- NOTES:
1. CONTRACTOR TO PROVIDE MOCK UP OF SIGN 5 FOR REVIEW BY LANDSCAPE ARCHITECT, SEE SITE CARPENTRY SPEC FOR WOOD INFORMATION
  2. FONT: FRANKLIN GOTHIC BOOK

**4 NATURE TRAIL SIGN CONTENT**  
SCALE: 3" = 1'-0"

**SIGN 4**  
**ZONE 1**  
5-30FT FROM STRUCTURE  
Clear dead and flammable material. Tree canopies should be at least 10' from the structure and other trees, and 6' above the ground. Groundcover should be low and green. Shrubs should be low and spaced at least twice the width of the shrub apart.

**SIGN 5**  
**ZONE 2**  
30-100FT FROM STRUCTURE  
Clear dead and flammable material. Trim up tree canopies to at least 6' above the ground. Shrubs can be in groups and larger than in Zone 1 but should still be spaced twice the width of the shrub or group apart. Trim annual grasses to 4".

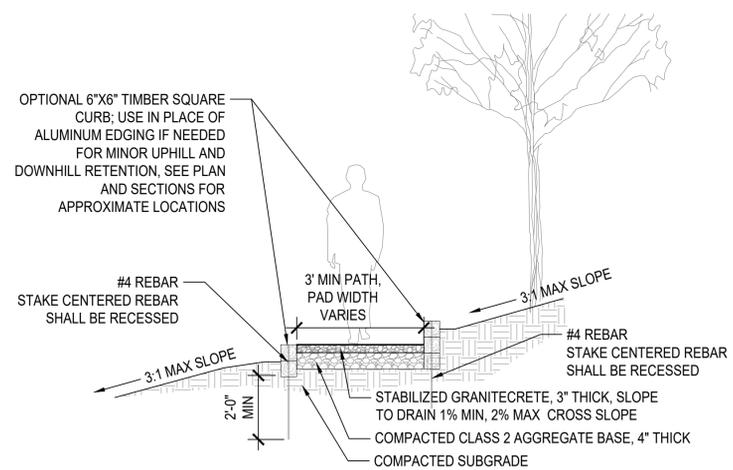
**SIGN 6**  
**FIRE RESISTANT LANDSCAPING**  
Walk this path to learn how to protect your home from fire with 'defensible space' planting zones. For more information visit [defensible.space.org](http://defensible.space.org)



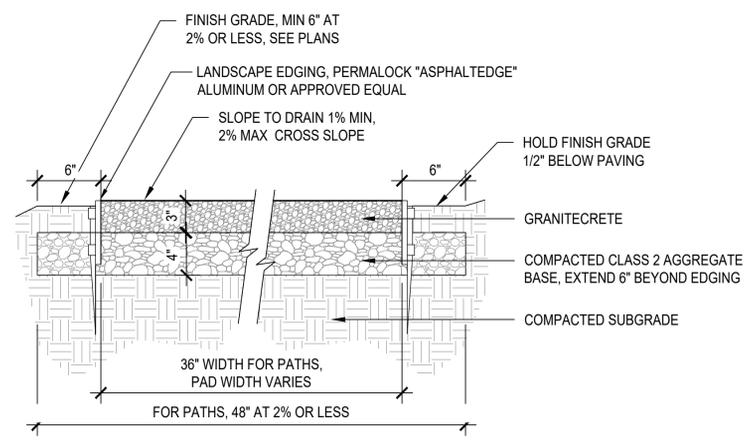
MOUNTING DETAIL

- NOTES:
1. TEXT SHALL BE FINISHED WITH A CLEAR PENETRATING WOOD SEALER CONTRACTOR TO PROVIDE SHOP DRAWINGS
  2. SEE SITE CARPENTRY SPECS FOR WOOD AND ASSEMBLY INFORMATION

**3 NATURE TRAIL SIGN**  
SCALE: 3/4" = 1'-0"



**2 GRANITECRETE WITH TIMBER CURB**  
3/8" = 1'-0"



**1 GRANITECRETE WITH ALUMINUM EDGE**  
SCALE: 1-1/2" = 1'-0"



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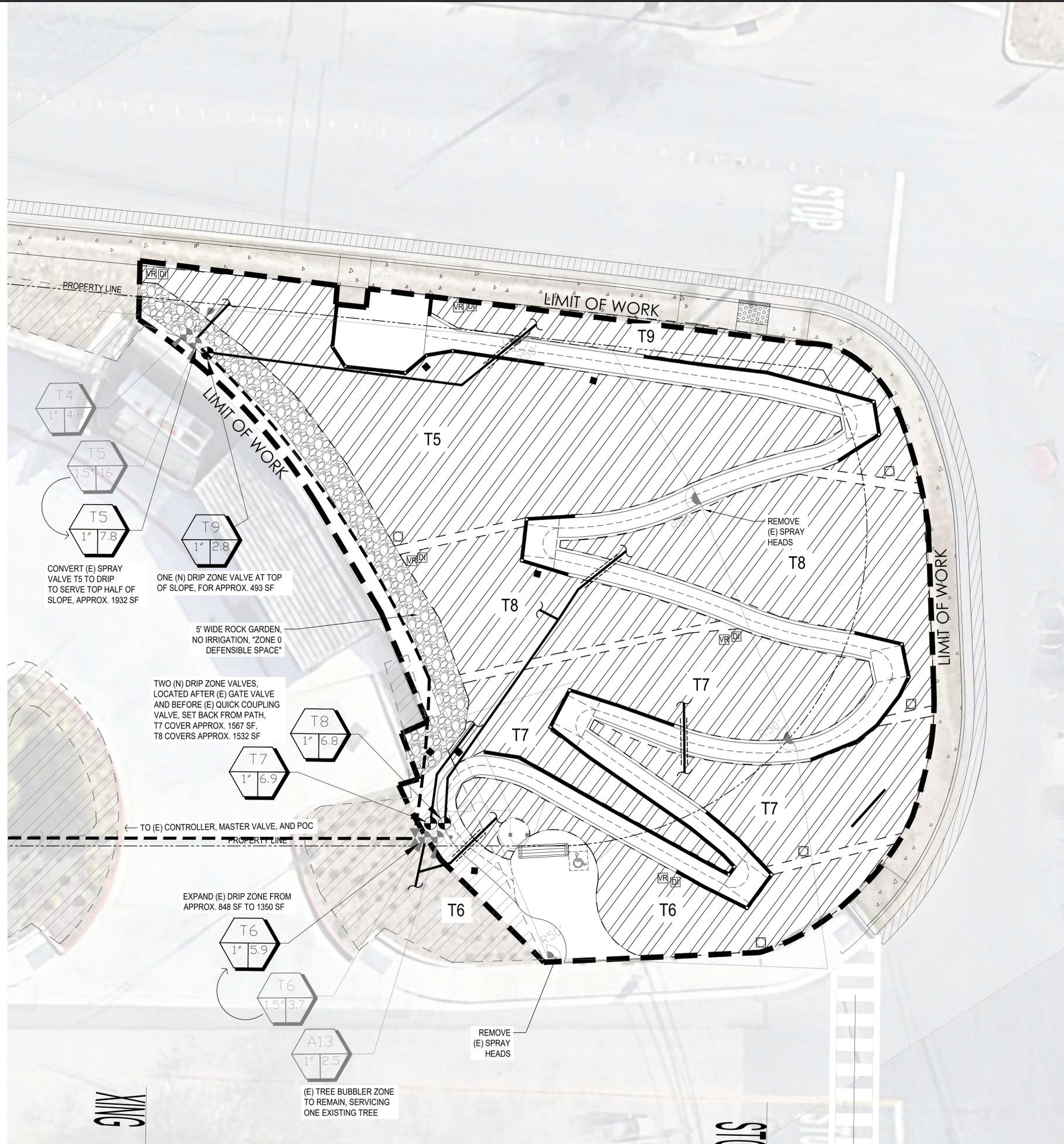
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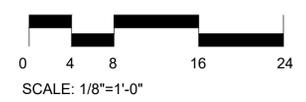
**IRRIGATION PLAN**

DRAWN BY: SS      CHECKED BY: KM

**L-2.01**



- NOTES:**
- (E) IRRIGATION IS FADED BACK, (N) IRRIGATION IS BOLD
  - (E) CONTROLLER AT FIRESTATION TO REMAIN AND SERVICE IMPROVED / EXPANDED SYSTEM
  - SEE FULL NOTES AND LEGEND ON L-2.00



PROJECT/CLIENT NAME

**COASTSIDE FIRE  
PROTECTION DISTRICT  
FIRE STATION #41**

OBISPO ROAD, EL  
GRANADA, CA, 94018

PROJECT NUMBER

22103A

CONSULTANT

SUBMITTAL

**100%  
CONSTRUCTION  
DOCUMENTS**

DATE  
17TH MAY 2024

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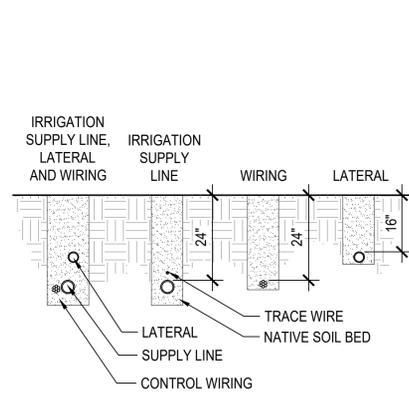
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**IRRIGATION  
DETAILS**

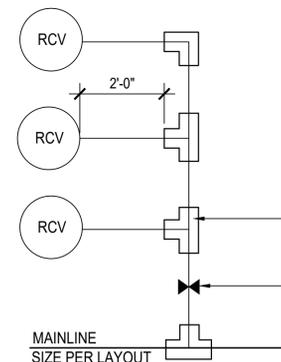
DRAWN BY: SS      CHECKED BY: KM

**L-2.02**



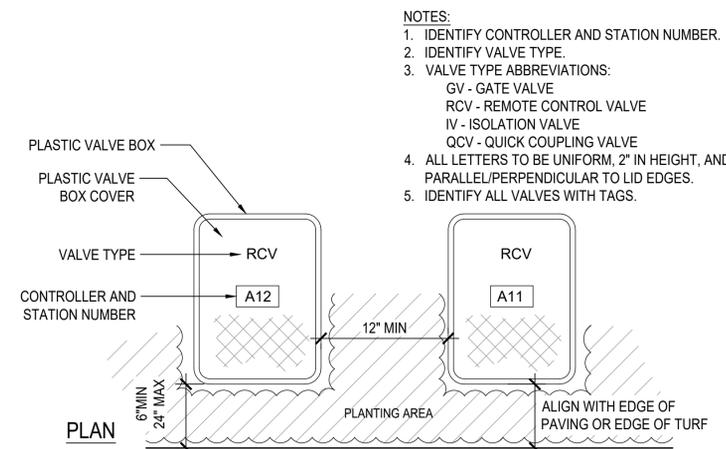
- NOTES:
- LAY IRRIGATION SUPPLY LINE ON NATIVE SOIL BED UNLESS SAND BED IS SPECIFIED.
  - BUNDLE AND TAPE WIRE EVERY TEN FEET.
  - PROVIDE 36" COVER OVER ALL PIPE AND PIPE SLEEVES UNDER ROADWAYS, PARKING LOTS, ENTRANCES TO PARKING LOTS AND FIRE ACCESS LANES PER NFPA 24, SECTION 10.44.
  - PROVIDE SEPARATE SLEEVES FOR ALL WIRES CROSSING UNDER ROADWAYS, PARKING LOTS AND FIRE ACCESS LANES PER NFPA 24, SECTION 10.44.

**6 IRRIGATION TRENCHING**  
SCALE: 1/2" = 1'-0"



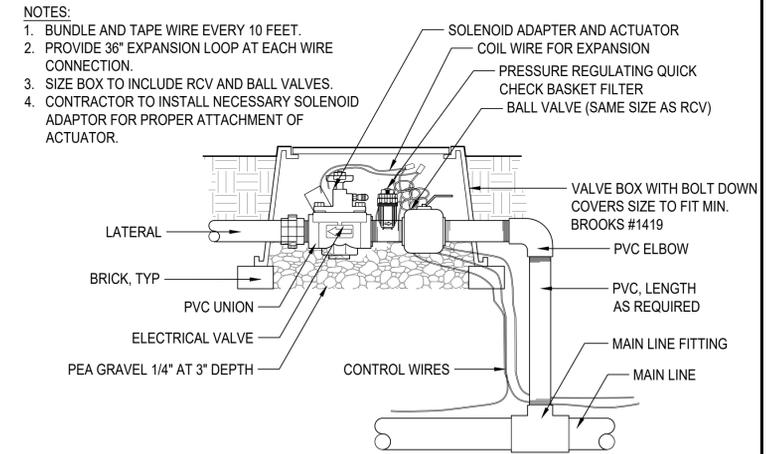
- NOTES:
- SEE IRRIGATION PLAN FOR SUGGESTED VALVE SIZES AND GROUPING. GROUP AS DICTATED BY SITE CONDITIONS.
  - MAXIMUM NUMBER OF VALVES PER MANIFOLD SHALL BE 7.

**5 VALVE GROUPINGS**  
SCALE: 1/2" = 1'-0"



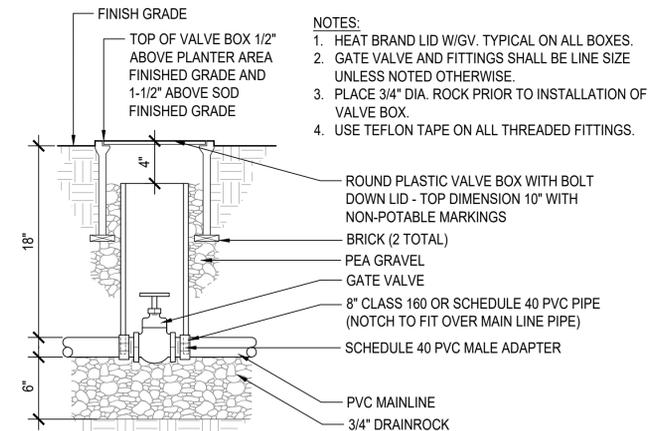
- NOTES:
- IDENTIFY CONTROLLER AND STATION NUMBER.
  - IDENTIFY VALVE TYPE.
  - VALVE TYPE ABBREVIATIONS:  
GV - GATE VALVE  
RCV - REMOTE CONTROL VALVE  
IV - ISOLATION VALVE  
QCV - QUICK COUPLING VALVE
  - ALL LETTERS TO BE UNIFORM, 2" IN HEIGHT, AND PARALLEL/PERPENDICULAR TO LID EDGES.
  - IDENTIFY ALL VALVES WITH TAGS.

**4 VALVE BOXES**  
SCALE: 1-1/2" = 1'-0"



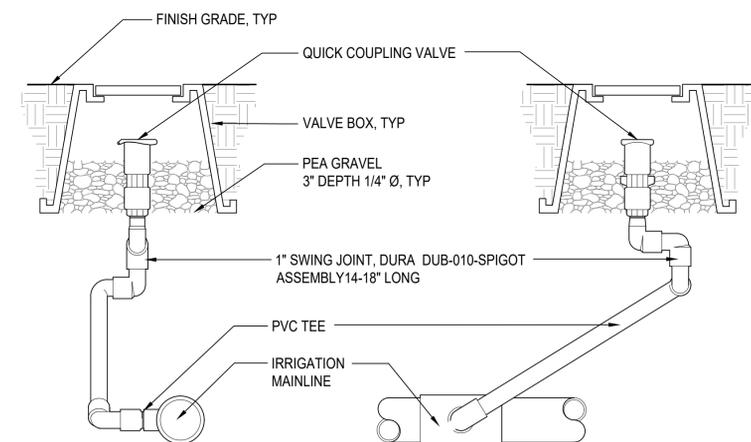
- NOTES:
- BUNDLE AND TAPE WIRE EVERY 10 FEET.
  - PROVIDE 36" EXPANSION LOOP AT EACH WIRE CONNECTION.
  - SIZE BOX TO INCLUDE RCV AND BALL VALVES.
  - CONTRACTOR TO INSTALL NECESSARY SOLENOID ADAPTOR FOR PROPER ATTACHMENT OF ACTUATOR.

**3 REMOTE CONTROL VALVE**  
SCALE: 3" = 1'-0"



- NOTES:
- HEAT BRAND LID W/GV. TYPICAL ON ALL BOXES.
  - GATE VALVE AND FITTINGS SHALL BE LINE SIZE UNLESS NOTED OTHERWISE.
  - PLACE 3/4" DIA. ROCK PRIOR TO INSTALLATION OF VALVE BOX.
  - USE TEFLON TAPE ON ALL THREADED FITTINGS.

**2 ISOLATION GATE VALVE**  
SCALE: 3" = 1'-0"

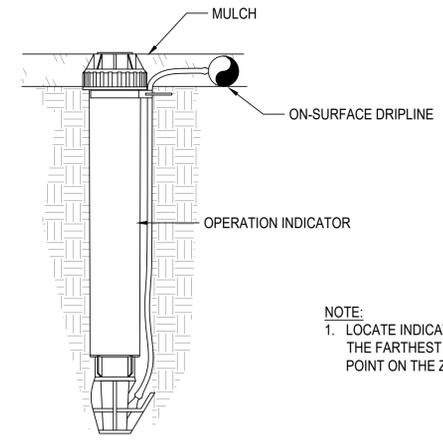


**1 QUICK COUPLING VALVE**  
SCALE: 3" = 1'-0"



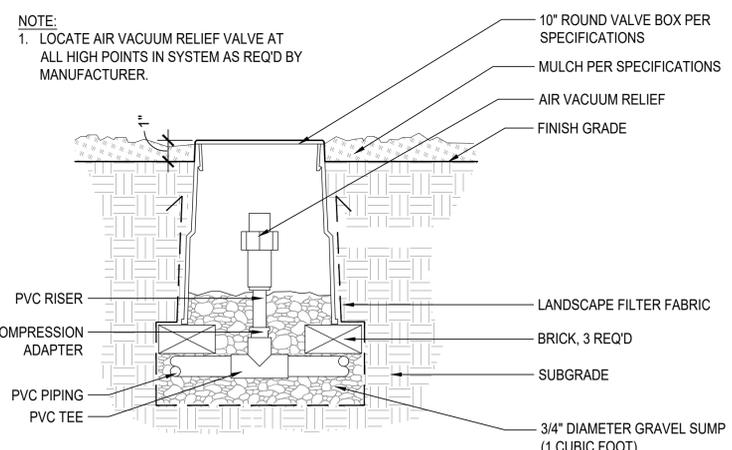
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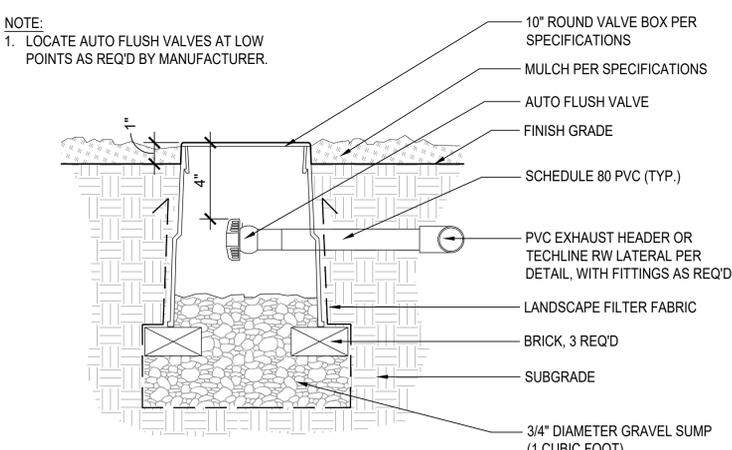
NOTE:  
1. LOCATE INDICATOR STAKE AT THE FARTHEST AND/OR HIGHEST POINT ON THE ZONE.

**3 DRIP OPERATION INDICATOR**  
NTS



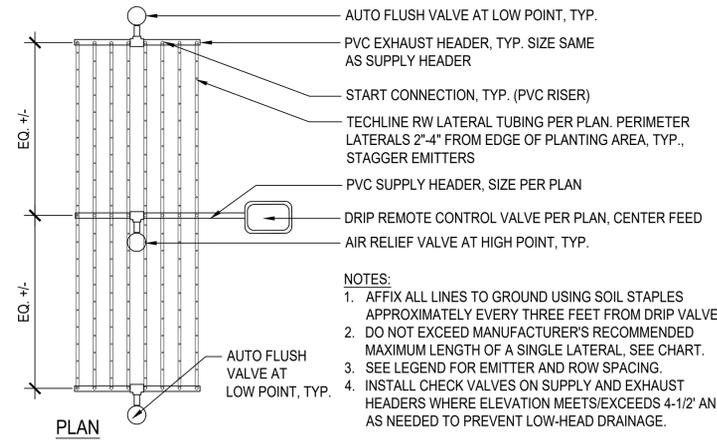
NOTE:  
1. LOCATE AIR VACUUM RELIEF VALVE AT ALL HIGH POINTS IN SYSTEM AS REQ'D BY MANUFACTURER.

**2 AIR VACUUM RELIEF VALVE**  
SCALE: NTS



NOTE:  
1. LOCATE AUTO FLUSH VALVES AT LOW POINTS AS REQ'D BY MANUFACTURER.

**1 AUTO FLUSH VALVE**  
SCALE: 3" = 1'-0"

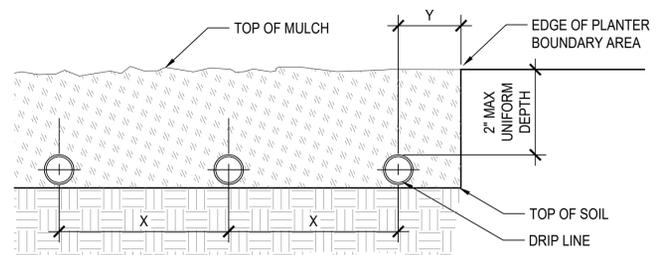


NOTES:  
1. AFFIX ALL LINES TO GROUND USING SOIL STAPLES APPROXIMATELY EVERY THREE FEET FROM DRIP VALVE.  
2. DO NOT EXCEED MANUFACTURER'S RECOMMENDED MAXIMUM LENGTH OF A SINGLE LATERAL. SEE CHART.  
3. SEE LEGEND FOR EMITTER AND ROW SPACING.  
4. INSTALL CHECK VALVES ON SUPPLY AND EXHAUST HEADERS WHERE ELEVATION MEETS/EXCEEDS 4-1/2' AND AS NEEDED TO PREVENT LOW-HEAD DRAINAGE.

**5 LINEAR DRIP TUBING LAYOUT**  
NTS

| X DIMENSION (INCHES) | Y DIMENSION (INCHES) |
|----------------------|----------------------|
| 12                   | 4 OR 6               |

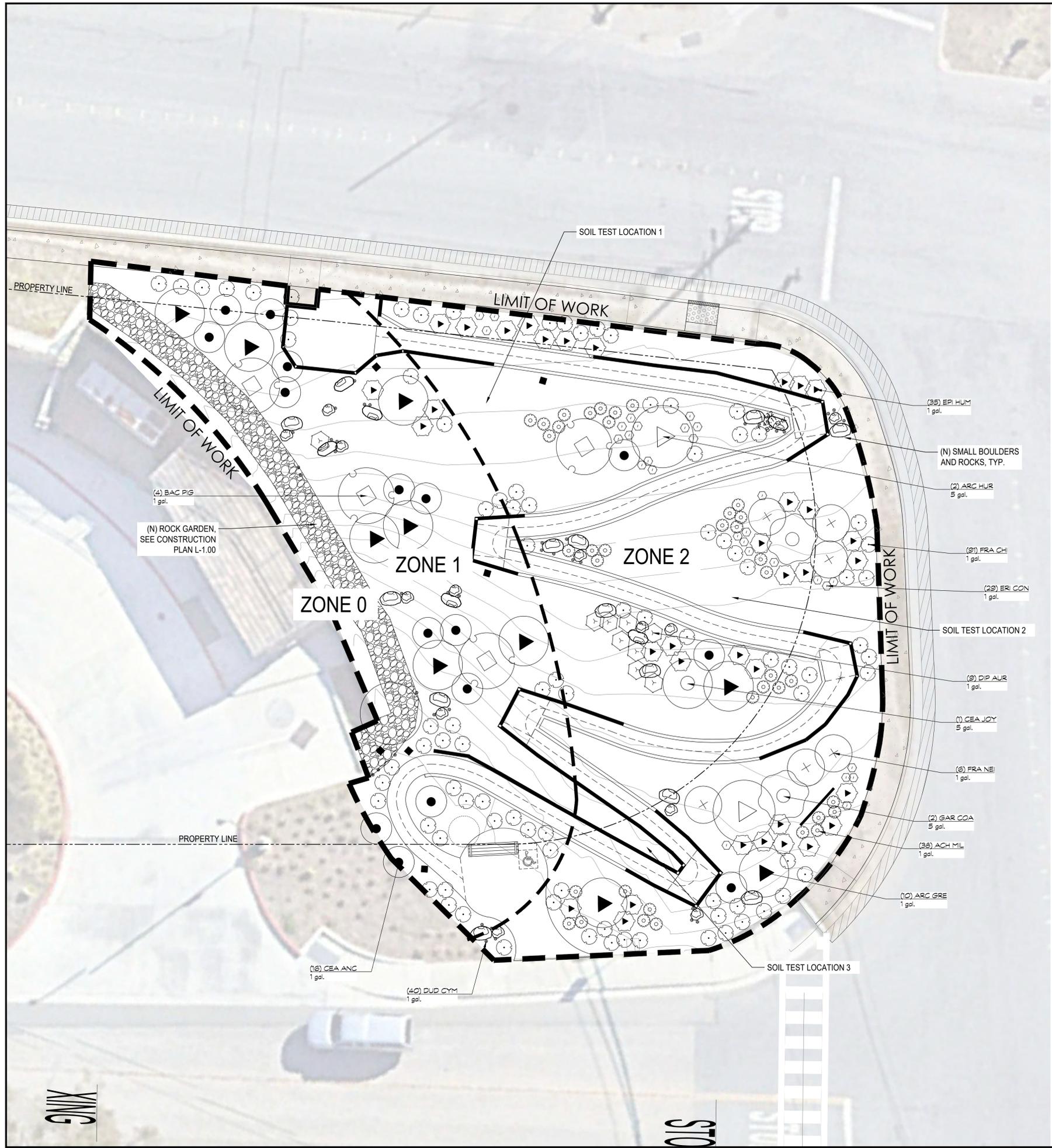
NOTES:  
1. TYPICAL DIMENSIONS FOR DRIP LINE GRID LAYOUT IN PLANTING AREAS.  
2. COORDINATE PLANTING INSTALLATION WITH GRID LAYOUT TO AVOID DAMAGE TO INSTALLED DRIP LINE AND TO PROVIDE UNIFORM IRRIGATION COVERAGE.  
3. INSTALL DRIPLINE PARALLEL TO CONTOUR LINES.



**4 DRIP TUBING ON GRADE INSTALLATION**  
SCALE: 6" = 1'-0"

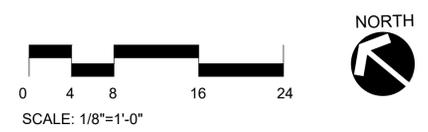
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| PLANT SCHEDULE      |         |   |        |     |
|---------------------|---------|---|--------|-----|
| SYMBOL              | CODE    | BOTANICAL / COMMON NAME   | SIZE   | QTY |
| <b>SHRUBS</b>       |         |   |        |     |
|                     | ACH MIL | Achillea millefolium / Common Yarrow                                | 1 gal. | 38  |
|                     | ARC HUR | Arcostaphylos manzanita 'Dr. Hurd' / Dr. Hurd Common Manzanita      | 5 gal. | 2   |
|                     | CEA JOY | Ceanothus x 'Joyce Coulter' / Joyce Coulter Wild Lilac              | 5 gal. | 1   |
|                     | DIP AUR | Diplacus aurantiacus / Sticky Monkeyflower                          | 1 gal. | 9   |
|                     | EPI HUM | Epilobium canum / California Fuchsia                                | 1 gal. | 35  |
|                     | ERI CON | Eriophyllum confertiflorum / Golden Yarrow                          | 1 gal. | 29  |
|                     | FRA NEI | Frangula californica 'Eve Case' / Eve Case Coffeeberry              | 1 gal. | 6   |
|                     | GAR COA | Garrya elliptica / Coast Silkassel                                  | 5 gal. | 2   |
| <b>GROUND COVER</b> |         |   |        |     |
|                     | ARC GRE | Arcostaphylos uva-ursi 'Green Supreme' / Green Supreme Kinnikinnick | 1 gal. | 10  |
|                     | BAC PIG | Baccharis pilularis 'Pigeon Point' / Pigeon Point Coyote Brush      | 1 gal. | 4   |
|                     | CEA ANC | Ceanothus gloriosus 'Anchor Bay' / Anchor Bay Point Reyes Ceanothus | 1 gal. | 16  |
|                     | FRA CHI | Fragaria chiloensis / Beach Strawberry                              | 1 gal. | 91  |
| <b>SUCCULENTS</b>   |         |   |        |     |
|                     | DUD CYM | Dudleya cymosa / Canyon Liveforever                                 | 1 gal. | 40  |

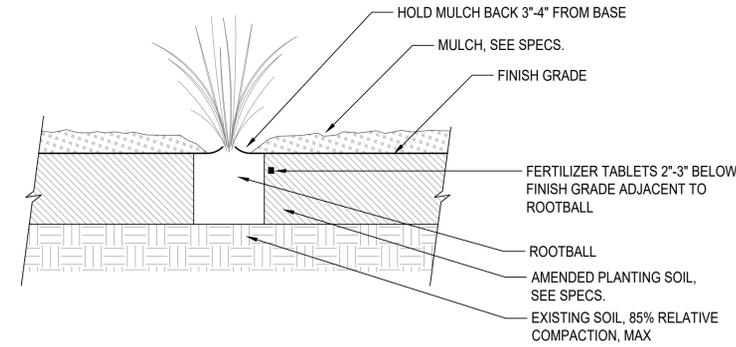
NOTE: CONTRACTOR REQUIRED TO TEST SOIL IN THREE SEPARATE LOCATIONS AS INDICATED ON THE PLAN. SEE PLANTING SPECS FOR TESTING REQUIREMENTS, CONTRACTOR SHALL AMEND SOIL PER SOIL REPORT RECOMMENDATIONS



REVISIONS

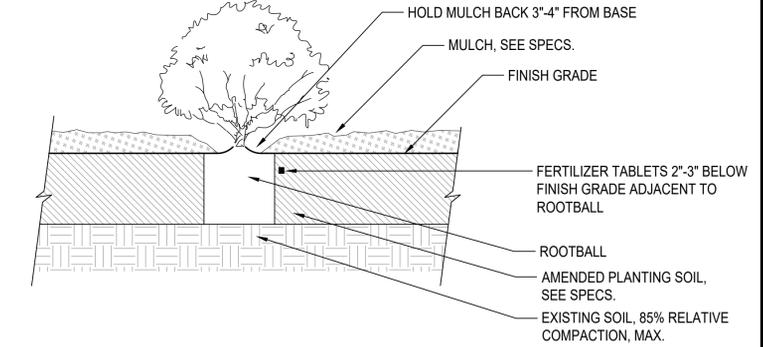
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NOTE:  
1. SEE SPECS FOR MORE INFORMATION REGARDING PLANT INSTALLATION AND SOIL PREPARATION.

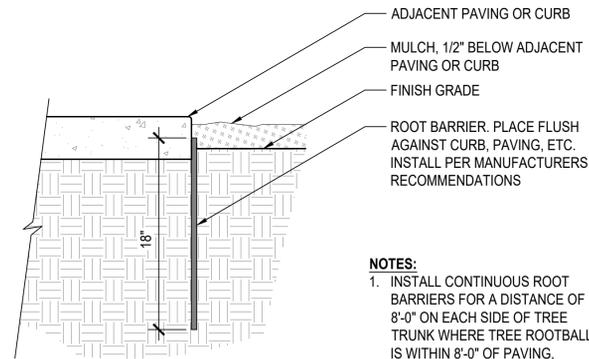


**4 ORNAMENTAL GRASS PLANTING**  
SCALE: 1" = 1'-0"

NOTE:  
1. SEE SPECS FOR MORE INFORMATION REGARDING PLANT INSTALLATION AND SOIL PREPARATION.

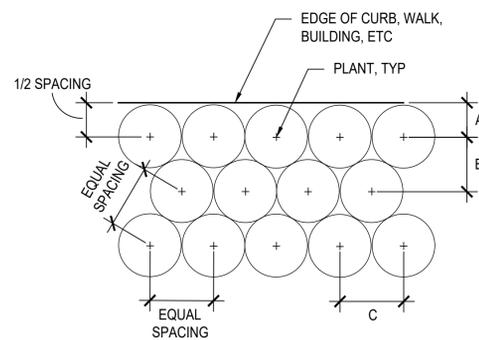


**2 SHRUB PLANTING**  
SCALE: 1" = 1'-0"



NOTES:  
1. INSTALL CONTINUOUS ROOT BARRIERS FOR A DISTANCE OF 8'-0" ON EACH SIDE OF TREE TRUNK WHERE TREE ROOTBALL IS WITHIN 8'-0" OF PAVING, CURB, ETC.

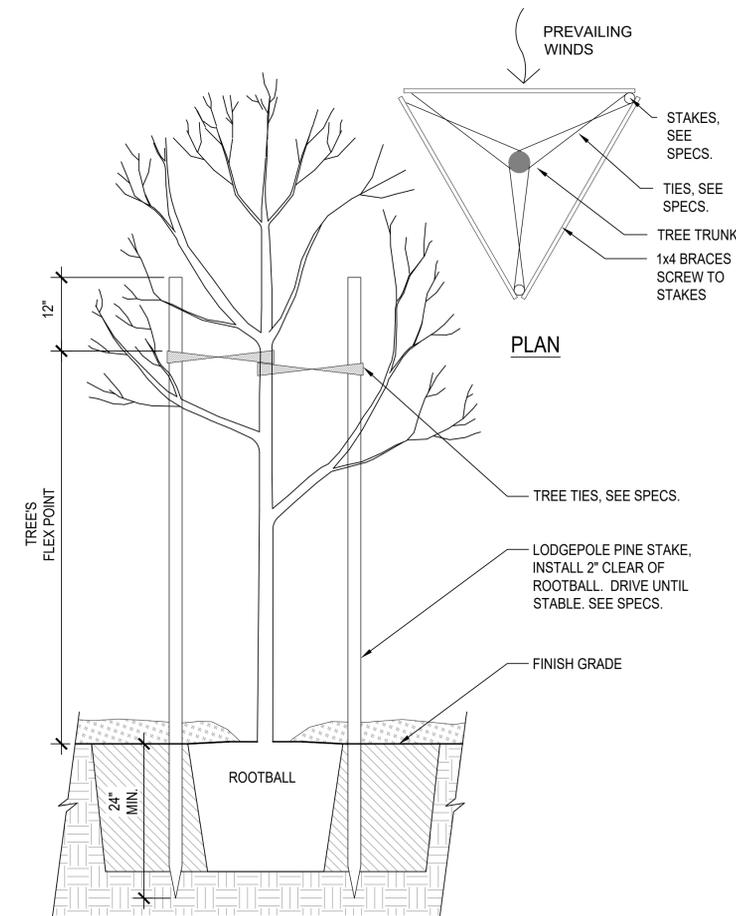
**6 ROOT BARRIER**  
SCALE: 1-1/2" = 1'-0"



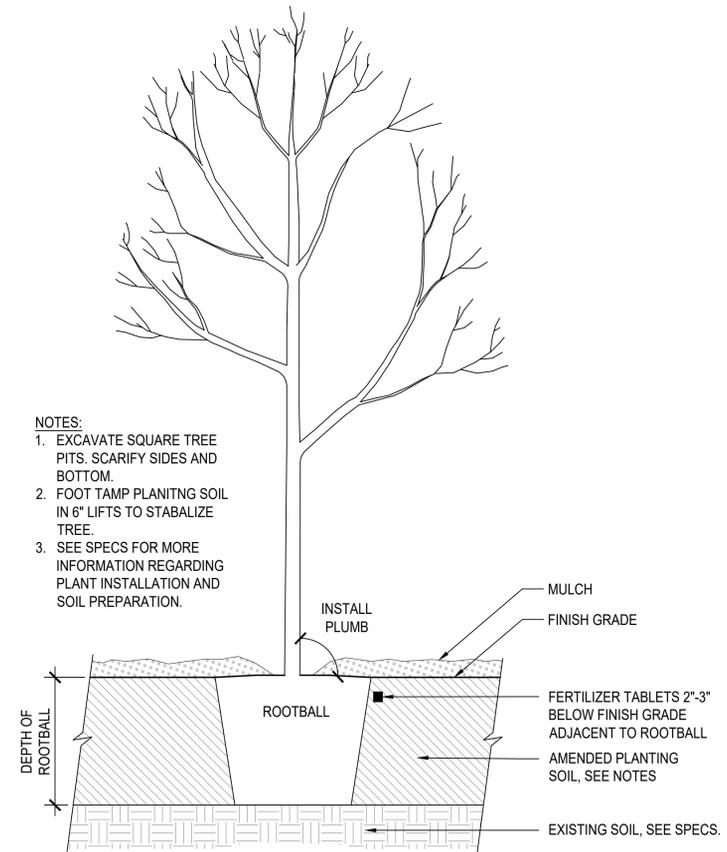
NOTES:  
1. SEE PLANTING PLAN FOR SPACING BY PLANT SPECIES.  
2. INSTALL TRIANGULATED PLANT LAYOUT, UNLESS OTHERWISE SHOWN ON PLANS.

| PLANT SPACING | A     | B      | C     |
|---------------|-------|--------|-------|
| 12"           | 6"    | 10"    | 12"   |
| 1'-6"         | 9"    | 1'-4"  | 1'-6" |
| 2'-0"         | 12"   | 1'-9"  | 2'-0" |
| 2'-6"         | 1'-3" | 2'-2"  | 2'-6" |
| 3'-0"         | 1'-6" | 2'-7"  | 3'-0" |
| 3'-6"         | 1'-9" | 3'-0"  | 3'-6" |
| 4'-0"         | 2'-0" | 3'-6"  | 4'-0" |
| 4'-6"         | 2'-3" | 3'-11" | 4'-6" |
| 5'-0"         | 2'-6" | 4'-4"  | 5'-0" |

**5 PLANTING LAYOUT**  
NTS



**3 TREE STAKING**  
SCALE: 3/4" = 1'-0"



**1 TREE PLANTING**  
NTS





DRAWING NAME: \\BKF-S\A\vol\2023\232238\_Coastside\ENG-1\_Sheets\C-200\_CS-DE.dwg  
 PLOT DATE: 05-17-24  
 PLOTTED BY: onze



### LEGEND

|   |       |
|---|-------|
| LIMIT OF WORK   | ---   |
| ROAD CENTER LINE                                      | ---   |
| PROPERTY LINE   | ---   |
| ADJ. PROPERTY LINE                                    | ---   |
| REMOVE EXISTING CURB & GUTTER, VERTICAL CURB, AC BERM | ---   |
| REMOVE CURB RAMP, CONCRETE, & ASSOCIATED BASE ROCK    | ---   |
| CLEAR AND GRUB, FOR PLANTING SEE LANDSCAPE PLANS.     | ---   |
| REMOVE EXISTING ASPHALT & ASSOCIATED BASE ROCK        | ---   |
| EXISTING CONTOURS                                     | 45    |
| EXISTING STORM DRAIN LINES                            | SS SS |
| EXISTING SANITARY SEWER LINES                         | SS SS |
| EXISTING WATER LINE                                   | W W   |
| EXISTING GAS LINE                                     | G G   |
| EXISTING OVERHEAD LINE                                | OH OH |
| EXISTING TREE TO BE PRESERVED                         | ⊙ P   |

### SURVEY NOTES

- ALL DISTANCES AND DIMENSIONS ARE IN FEET AND DECIMALS THEREOF.
- DATE OF THE FIELD SURVEY: NOVEMBER 8, 2023

**BASIS OF BEARINGS**

BEARINGS SHOWN HEREON TAKEN FROM "PLAT OF RESUBDIVISION OF SUBDIVISIONS NO. 2 AND 3 OF GRANADA" WHICH WAS FILED FOR RECORD IN BOOK 6 OF MAPS PAGE 29 ON AUGUST 4, 1908, SAN MATEO COUNTY RECORDS.

SAID BASIS OF BEARINGS INFORMATION WAS TAKEN FROM THAT CERTAIN SURVEY PREPARED BY BGT LAND SURVEYING, JOB NO. 14-179 WITH A DATE OF FIELD SURVEY OF NOVEMBER 14, 2014.

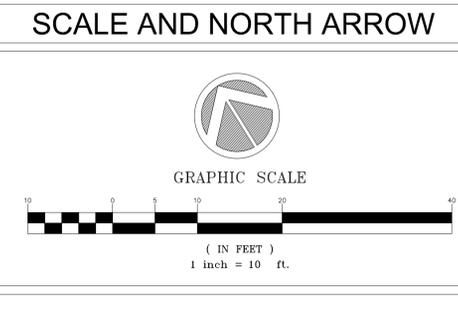
**BENCHMARK**

ELEVATIONS SHOWN HEREON ARE BASED UPON NAVD 88 DATUM. BENCHMARK USED WAS THE NGS DISK ON HEADWALL SOUTHWESTERLY OF SUBJECT PROPERTY "N 1240" (PID HT0453) WITH AN ELEVATION OF 19.98 FEET.

SAID BENCHMARK INFORMATION WAS TAKEN FROM THAT CERTAIN SURVEY PREPARED BY BGT LAND SURVEYING, JOB NO. 14-179 WITH A DATE OF FIELD SURVEY OF NOVEMBER 14, 2014.

### DEMOLITION GENERAL NOTES

- THIS PLAN IS NOT INTENDED AS A COMPLETE CATALOG OF ALL EXISTING STRUCTURES AND UTILITIES. THIS PLAN INTENDS TO DISCLOSE GENERAL INFORMATION KNOWN BY THE ENGINEER AND TO SHOW THE LIMITS OF THE AREA WHERE WORK WILL BE PERFORMED.
- MIXED DEBRIS OF ANY TYPE MUST BE DISPOSED OF IN CONTAINERS PROVIDED AND SERVICED BY THE CITY'S FRANCHISED HAULER, SPECIALTY SOLID WASTE & RECYCLING (UNLESS REMOVED AND TRANSPORTED BY THE CONTRACTED COMPANY PROVIDING THE DEMOLITION/CONSTRUCTION SERVICE, UTILIZING THAT COMPANY'S OWN VEHICLES, CONTAINERS, AND EQUIPMENT).
- IF CONTRACTOR ENCOUNTERS UTILITIES OR ANY OTHER ITEMS THAT ARE NOT SHOWN ON THIS PLAN, THEY ARE TO CONTACT THE ENGINEER PRIOR TO REMOVING UTILITY. ITEMS SHOWN TO BE REMOVED ARE INDICATED PER INFORMATION AVAILABLE TO THE ENGINEER. IT IS THE INTENT OF THESE PLANS TO REMOVE OR ALLOW CONSTRUCTION OF THE PROPOSED IMPROVEMENTS AND PROTECT THE ON-SITE UTILITIES AND STRUCTURES THAT ARE NOT IN THE PROJECT LIMIT OF WORK, WHETHER INDICATED ON THESE PLANS OR NOT. IT IS THE INTENTION OF THESE PLANS TO PROTECT ALL OFF-SITE EXISTING UTILITIES, WHETHER INDICATED ON THESE PLANS OR NOT, UNLESS OTHERWISE NOTED.
- CLEARING AND GRUBBING OF THE SITE INCLUDES THE REMOVAL OF GRASS, ROOTS, SHRUBS, TREE STUMPS, WEED GROWTH, VEGETATION, MASONRY, RUBBISH, DEBRIS, FOREIGN OBJECTS, FENCING, LANDSCAPING, ASPHALT AND PORTLAND CONCRETE PAVING, TREES, AND OTHER SITE CONSTRUCTION, AS REQUIRED TO PROVIDE A SITE SUITABLE FOR CONSTRUCTING THE PROPOSED PROJECT.
- CONTRACTOR SHALL PROTECT ALL IRRIGATION LINES AND APPURTENANCES, WHETHER INDICATED ON THIS PLAN OR NOT.
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- CONTRACTOR TO REFER TO EROSION CONTROL PLAN FOR EROSION CONTROL, CONSTRUCTION GENERAL PERMIT (CGP) AND STORM WATER POLLUTION PREVENTION PLAN (SWPPP) REQUIREMENTS.



225 Miller Avenue, Mill Valley, CA 94941  
 T 415 383 7900 rhaa.com

PROJECT/CLIENT NAME  
**COASTSIDE FIRE PROTECTION DISTRICT FIRE STATION #41**

OBISPO ROAD, EL GRANADA, CA, 94018

PROJECT NUMBER  
 20232238



SUBMITTAL  
**100% CONSTRUCTION DOCUMENTS**  
 DATE  
 17 MAY 2024

REVISIONS

| No. | Date | Description |
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REGISTRATION AND SIGNATURE

NOT FOR CONSTRUCTION

SHEET TITLE  
**DEMOLITION PLAN**  
 DRAWN BY: CA CHECKED BY: PK

# C-200

DRAWING NAME: \\BKF-S\A\vol\2023\232238\_Coastside\ENG-1\Sheets\C-200\_CS-DE.dwg  
 PLOT DATE: 05-17-24 PLOTTED BY: onze



**LEGEND**

|   |  |
|---|--|
| LIMIT OF WORK   |  |
| ROAD CENTER LINE                                      |  |
| PROPERTY LINE   |  |
| ADJ. PROPERTY LINE                                    |  |
| REMOVE EXISTING CURB & GUTTER, VERTICAL CURB, AC BERM |  |
| REMOVE CURB RAMP, CONCRETE, & ASSOCIATED BASE ROCK    |  |
| CLEAR AND GRUB, FOR PLANTING SEE LANDSCAPE PLANS.     |  |
| REMOVE EXISTING ASPHALT & ASSOCIATED BASE ROCK        |  |
| EXISTING CONTOURS                                     |  |
| EXISTING STORM DRAIN LINES                            |  |
| EXISTING SANITARY SEWER LINES                         |  |
| EXISTING WATER LINE                                   |  |
| EXISTING GAS LINE                                     |  |
| EXISTING OVERHEAD LINE                                |  |
| EXISTING TREE TO BE PRESERVED                         |  |

**SURVEY NOTES**

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 2. DATE OF THE FIELD SURVEY: NOVEMBER 8, 2023

**BASIS OF BEARINGS**  
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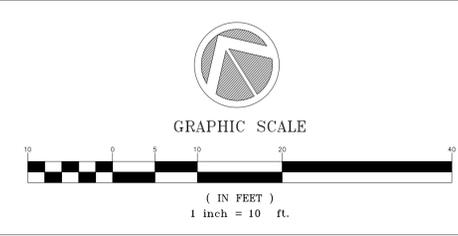
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**SCALE AND NORTH ARROW**



225 Miller Avenue, Mill Valley, CA 94941  
 T 415 383 7900 rhaa.com

**PROJECT/CLIENT NAME**  
 COASTSIDE FIRE PROTECTION DISTRICT  
 FIRE STATION #41

OBISPO ROAD, EL GRANADA, CA, 94018

**PROJECT NUMBER**  
 20232238



**SUBMITTAL**  
 100% CONSTRUCTION DOCUMENTS  
 DATE  
 17 MAY 2024

**REVISIONS**

| No. | Date | Description |
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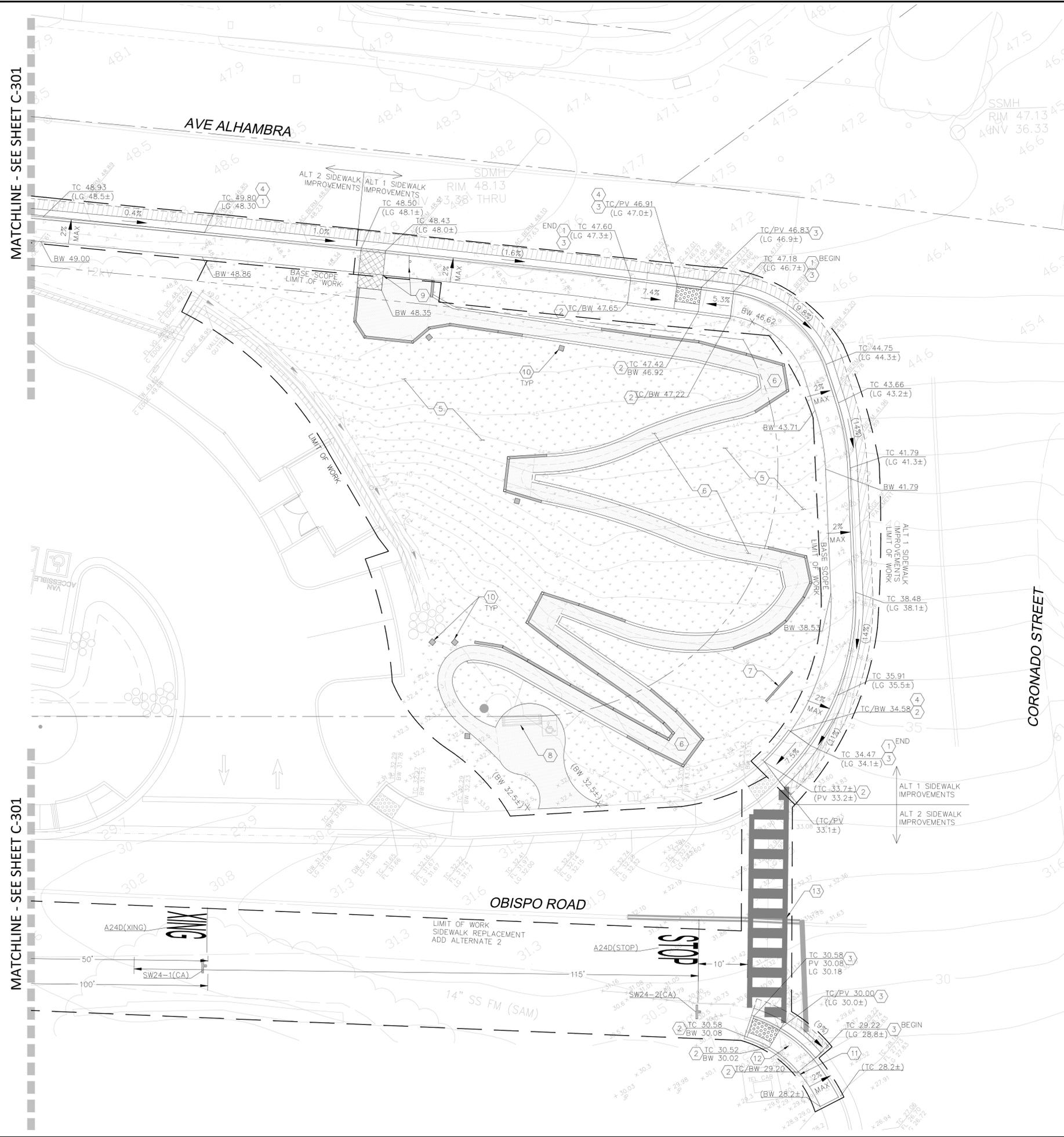
**REGISTRATION AND SIGNATURE**

NOT FOR CONSTRUCTION

**SHEET TITLE**  
 DEMOLITION PLAN  
 DRAWN BY: CA CHECKED BY: PK

C-201

DRAWING NAME: \\BKF-S\A\2023\232238\_Coastside\1\_Sheets\1-ENG-1\_Sheets\C-300\_CS-HC.dwg  
 PLOT DATE: 05-17-24  
 PLOTTED BY: anze



**LEGEND**

|  |            |
|--|------------|
| LIMIT OF WORK  | ---        |
| PROPERTY LINE  | ---        |
| ADJ. PROPERTY LINE   | ---        |
| VERTICAL CURB & GUTTER   | =====      |
| VERTICAL CURB (CURB RAMP)  | =====      |
| 16" AC DEEP LIFT   | =====      |
| FLUSH CURB (CURB RAMP)   | =====      |
| CONCRETE SIDEWALK<br>4" PCC/4" CL2 AB<br>PER SMC0 STD D-3        | =====      |
| LANDSCAPING, SEE LANDSCAPE<br>PLANS FOR PLANTING AND<br>GRADING. | =====      |
| GRANITECRETE, SEE LANDSCAPE<br>PLANS                             | =====      |
| EXISTING CONTOURS  | 45         |
| EXISTING ELEVATION   | (TC 97.0±) |
| PROPOSED ELEVATION   | TC 100.8   |
| SLOPE (HARDSCAPE)  | ←          |
| SLOPE (LANDSCAPE)  | ←          |

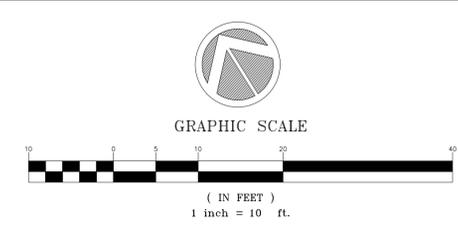
**KEY NOTES**

1. INSTALL CURB & GUTTER PER SMC0 STD D-3, SHEET C-500
2. INSTALL 6" VERTICAL CURB PER SMC0 STD D-3, SHEET C-500
3. INSTALL CURB RAMP PER CALTRANS STD PLAN RSP AB8A, TYPE C, SHEET C-500
4. INSTALL 16" AC DEEP LIFT
5. EXISTING GRADING TO REMAIN. SEE LANDSCAPE PLANS FOR PLANTING.
6. GRANITECRETE PATH AND PADS. SEE LANDSCAPE PLANS FOR GRADING AND DETAILS.
7. MONUMENT WELCOME SIGN. FOOTING NOT TO CONFLICT WITH CURB RAMP. SEE LANDSCAPE PLANS
8. PEDESTRIAN BENCH. SEE LANDSCAPE PLANS
9. SAMTRANS BUS STOP ADA PASSENGER LOADING PAD. COORDINATE WITH SAMTRANS TO ADD MAP AND SCHEDULE TO THE EXISTING BUS STOP POLE ON AVENUE ALHAMBRA.
10. NATURE TRAIL SIGN. SEE LANDSCAPE PLANS FOR DETAILS.
11. PROTECT JOINT POLE
12. RELOCATE SIGN
13. INSTALL 6' MIN LONG, 2' WIDE YELLOW SCHOOL LADDER CROSSWALK STRIPING PER CALTRANS A24F.

**GRADING GENERAL NOTES**

1. THIS PLAN PROVIDES GENERAL GRADING INFORMATION. ALL SURVEYING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
2. EXPORTATION AND IMPORTATION OF SOIL, WHICH MAY BE NECESSARY TO MEET THE GRADES SHOWN ON THIS PLAN, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE PART OF THIS CONTRACT. CONTRACTOR SHALL BE RESPONSIBLE FOR TESTING ANY SOIL THAT IS TO BE EXPORTED FROM THE PROJECT SITE. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH SOIL TESTING. IF THE EXISTING SOIL IS FOUND TO BE HAZARDOUS, IT SHALL BE TAKEN TO AN APPROVED FACILITY (CLASS I/II OR III).
3. ALL HIGH POINTS, LOW POINTS, OR GRADE BREAKS ON CONCRETE SURFACES SHALL HAVE A SMOOTH CURVE. CONCRETE SHALL NOT BE BUILT TO A POINT.
4. THE CONTRACTOR SHALL MATCH THE NEW GRADES WITHIN THE LIMITS OF WORK TO THE EXISTING GRADES WITHOUT DAMAGING THE EXISTING NATIVE GRASSES, FENCE LINE, TREES, OR EXISTING PAVING TO REMAIN, ALONG THE LIMIT LINE. ANY DAMAGE TO THESE AREAS SHALL BE REPAIRED AT THE CONTRACTOR'S OWN EXPENSE.
5. UNLESS OTHERWISE NOTED ON THE PLAN, ANY DEPICTION OF A RETAINING STRUCTURE ON THIS PLAN SHALL NOT CONSTITUTE APPROVAL FOR CONSTRUCTION OF THE RETAINING STRUCTURE UNLESS A SEPARATE STRUCTURAL REVIEW, BY THE DEPARTMENT OF PUBLIC WORKS, IS COMPLETED AND APPROVED.
6. THE CONTRACTOR SHALL MAINTAIN THE STREETS, SIDEWALKS AND ALL OTHER PUBLIC RIGHTS-OF-WAY IN A CLEAN, SAFE AND USABLE CONDITION. ALL SPILLS OF SOIL, ROCK OR CONSTRUCTION DEBRIS SHALL BE REMOVED FROM THE PUBLICLY OWNED PROPERTY DURING CONSTRUCTION AND UPON COMPLETION OF THE PROJECT. ALL ADJACENT PROPERTY, PRIVATE OR PUBLIC, SHALL BE MAINTAINED IN A CLEAN, SAFE AND USABLE CONDITION.
7. IN THE EVENT THAT HUMAN REMAINS AND/OR CULTURAL MATERIALS ARE FOUND, ALL PROJECT-RELATED CONSTRUCTION SHOULD CEASE UNDER A 100-FOOT RADIUS. THE CONTRACTOR SHALL, PURSUANT TO SECTION 7050.5 OF THE HEALTH AND SAFETY CODE AND SECTION 5097.94 OF THE PUBLIC RESOURCES CODE OF THE STATE OF CALIFORNIA, NOTIFY THE SANTA CLARA COUNTY CORONER IMMEDIATELY.
8. ALL WALKWAYS SHALL HAVE A 2% MAX CROSS SLOPE.
9. NO GRADING OR STORAGE OF MATERIALS SHALL OCCUR UNDER THE TREE'S CANOPY AT ANY TIME, UNLESS OTHERWISE SPECIFY BY PLAN.
10. ALL STRIPING, MARKINGS, SIGNAGE, AND PAVEMENT MARKERS SHOWN ON THIS PLAN ARE PER THE LATEST CALIFORNIA MUTCD AND CALTRANS STANDARD PLANS AND SPECIFICATIONS. INSTALLATION TO BE PERFORMED BY THE CONTRACTOR UNLESS NOTED OTHERWISE.
11. CENTER LANE DIMENSIONS SHALL BE MEASURED FROM CENTER OF STRIPING TO CENTER OF STRIPING.
12. ALL STRIPING, PAVEMENT MARKERS, AND MARKINGS SHALL BE THERMOPLASTIC.

**SCALE AND NORTH ARROW**



225 Miller Avenue, Mill Valley, CA 94941  
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PROJECT/CLIENT NAME  
**COASTSIDE FIRE PROTECTION DISTRICT  
 FIRE STATION #41**

OBISPO ROAD, EL GRANADA, CA, 94018

PROJECT NUMBER  
**20232238**



SUBMITTAL  
**100% CONSTRUCTION DOCUMENTS**

DATE  
**17 MAY 2024**

**REVISIONS**

| No. | Date | Description |
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REGISTRATION AND SIGNATURE

NOT FOR  
CONSTRUCTION

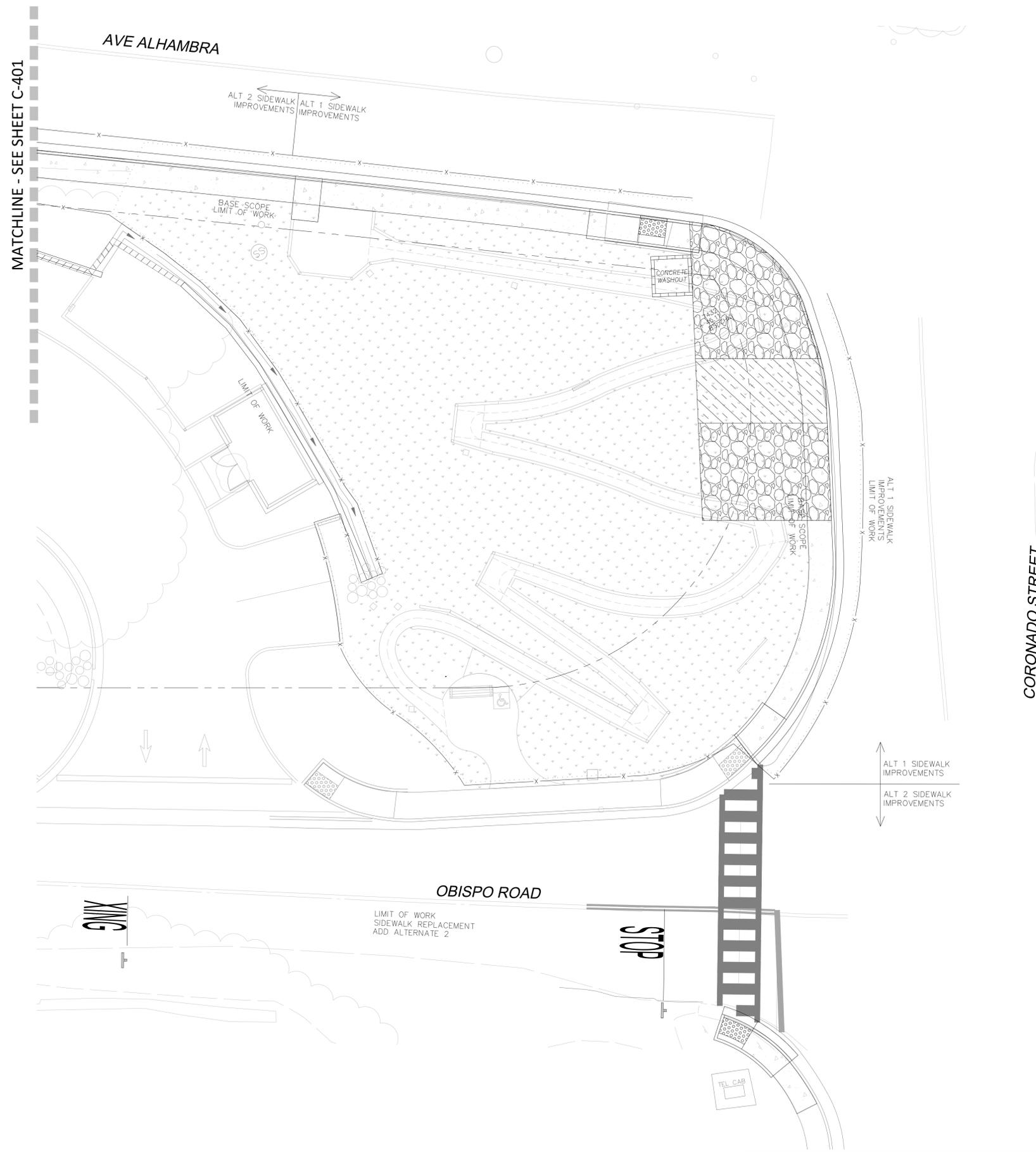
SHEET TITLE  
**IMPROVEMENT PLAN**  
 DRAWN BY: CA CHECKED BY: PK

**C-300**





DRAWING NAME: \\BKF-S\A\vo\1\2023\232238\_Coastside\_FS\_41\_S\idawa\K\ENG-1\Sheets\C-400\_CS-ER.dwg  
 PLOT DATE: 05-17-24 PLOTTED BY: onze



**ALL DOWNSTREAM INLETS WITHIN 150' OF THE SITE MUST BE PROTECTED**

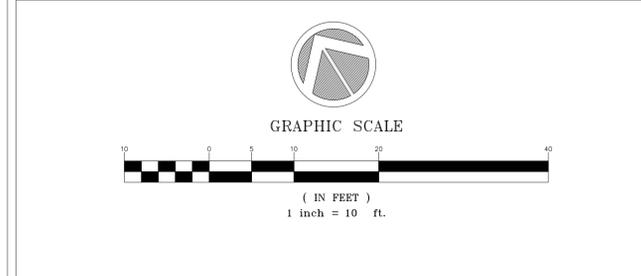
**LEGEND**

|  |   |
|--|---|
|  | PROPERTY LINE   |
|  | ADJACENT LOT LINE   |
|  | FIBER ROLL PER DETAIL 1, SHEET C-401                            |
|  | TEMPORARY 6' CONSTRUCTION FENCE                                 |
|  | STABILIZED CONSTRUCTION ENTRANCE/EXIT PER DETAIL 2, SHEET C-401 |
|  | ENTRANCE/EXIT TIRE WASH PER DETAIL 3, SHEET C-401               |
|  | CONCRETE WASTE MANAGEMENT PER DETAIL 4 SHEET C-401              |

**GENERAL NOTES**

- SHEET C-400 IS INTENDED TO BE USED FOR EROSION CONTROL ONLY.
- THIS PLAN MAY NOT COVER ALL THE SITUATIONS THAT ARISE DURING CONSTRUCTION DUE TO UNANTICIPATED FIELD CONDITIONS. IN GENERAL, THE CONTRACTOR IS RESPONSIBLE FOR KEEPING ANY SEDIMENT FROM LEAVING THE SITE. FIBER ROLLS, SAND BAGS, AND SILT FENCES SHALL BE USED BY THE CONTRACTOR ON AN AS NEEDED BASIS TO INHIBIT SILT FROM LEAVING THE SITE AND ENTERING THE STORM DRAIN SYSTEM. ALL EXISTING, TEMPORARY, OR PERMANENT CATCH BASINS SHALL USE ONE OF THE SEDIMENT BARRIERS SHOWN.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS INCURRED WITH ALL TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL MEASURE MAINTENANCE THROUGHOUT THE DURATION OF THE PROJECT.
- THE CONTRACTOR WILL BE LIABLE FOR ANY AND ALL DAMAGES TO PUBLIC AND/OR PRIVATE OWNED AND MAINTAINED ROAD CAUSED BY THE CONTRACTOR'S GRADING ACTIVITIES, AND WILL BE RESPONSIBLE FOR THE CLEANUP OF ANY MATERIAL SPILLED ON ANY PUBLIC ROAD ON THE HAUL ROUTE. ADJACENT PUBLIC ROADS SHALL BE CLEANED AT THE END OF EACH WORKING DAY.
- EROSION AND SEDIMENT CONTROL MEASURES SHALL BE OPERABLE YEAR ROUND OR UNTIL VEGETATION IS ESTABLISHED ON LANDSCAPED SURFACES.
- DURING THE RAINY SEASON, ALL PAVED AREAS ARE TO BE KEPT CLEAR OF EARTH MATERIAL AND DEBRIS. THE SITE IS TO BE MAINTAINED SO AS TO MINIMIZE SEDIMENT-LADEN RUNOFF TO ANY STORM DRAIN SYSTEM.
- ALL EROSION CONTROL FACILITIES MUST BE MONITORED AS REQUIRED BY THE CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD (CRWQCB). ALL SLOPES SHALL BE REPAIRED AS SOON AS POSSIBLE WHEN DAMAGED.
- BORROW AND TEMPORARY STOCKPILES SHALL BE PROTECTED WITH APPROPRIATE EROSION CONTROL MEASURES (TARPS, FIBER ROLLS, SILT FENCES, ETC.) TO ENSURE SILT DOES NOT LEAVE THE SITE OR ENTER THE STORM DRAIN SYSTEM.
- ALL TRUCK TIRES SHALL BE CLEANED PRIOR TO EXITING THE PROPERTY.
- THE CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES FOR CONSTRUCTION ACTIVITIES AS REQUIRED BY THE CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD (CRWQCB).
- DURING PERIODS WHEN STORMS ARE FORECAST:
  - EXCAVATED SOILS SHOULD NOT BE PLACED IN STREETS OR ON PAVED AREAS.
  - ANY EXCAVATED SOILS SHOULD BE REMOVED FROM THE SITE BY THE END OF THE DAY.
  - WHERE STOCKPILING IS NECESSARY, USE A TARPULIN OR SURROUND THE STOCKPILED MATERIAL WITH FIBER ROLLS, SILT FENCE, OR OTHER RUNOFF CONTROLS.
  - USE INLET CONTROLS (E.G. FILTER MAT) FOR STORM DRAINS ADJACENT TO STOCKPILED SOIL.
  - THOROUGHLY SWEEP ALL PAVED AREAS EXPOSED TO SOIL EXCAVATION AND PLACEMENT.
- DURING PERIODS WHEN STORMS ARE NOT FORECAST -
  - PREVENT STOCKPILED MATERIAL FROM ENTERING THE STORM DRAIN SYSTEM.
  - THOROUGHLY REMOVE LOOSE SOIL VIA SWEEPING FOLLOWING REMOVAL OF DIRT.
- THIS EROSION CONTROL PLAN IS FOR CONSTRUCTION BETWEEN OCTOBER 1 AND APRIL 30. OPEN SPACE AREAS ARE TO BE PLANTED BY SEPTEMBER 15. IF THESE CONDITIONS ARE NOT MET, CONTRACTOR SHALL SUBMIT AN EROSION CONTROL PLAN TO THE PROJECT ENGINEER THAT REFLECTS CURRENT SITE CONDITIONS FOR REVIEW AND APPROVAL.
- EROSION CONTROL MEASURES SHOWN ON THIS PLAN SHALL BE MAINTAINED REPAIRED AND REPLACED AFTER EACH SIGNIFICANT RAINFALL OR AS DIRECTED BY THE OWNER AND/OR THE CALIFORNIA REGIONAL WATER CONTROL BOARD (CRWQCB).
- ALL DRAINAGE INLETS WITHIN AND NEAR THE PROJECT SITE SHALL BE PROVIDED WITH SEDIMENT TRAPS OR SEDIMENT BARRIERS AS PER THIS PLAN.
- SEDIMENT DAMS AND TRAPS SHALL BE CHECKED FOR SEDIMENT ACCUMULATION AFTER EACH SIGNIFICANT RAINFALL. SEDIMENT SHALL BE REMOVED FROM THESE DEVICES WHEN IT HAS ACCUMULATED TO THREE-QUARTER OF THE ORIGINAL STORAGE HEIGHT.
- ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED BY THE OWNER AND/OR THE CALIFORNIA REGIONAL WATER CONTROL BOARD (CRWQCB) BASED ON FIELD REVIEWS OF THE SITE.
- DAMAGED EROSION CONTROL DEVICES SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AS SOON AS PRACTICAL AFTER THE DAMAGE OCCURS.
- ALL EXPOSED DISTURBED SURFACES SHALL BE HYDROSEEDING WITH BROME SEED SPREAD AT THE RATE OF 5 POUNDS PER 1000 SQUARE FEET, OR APPROVED EQUAL. SEEDING AND WATERING SHALL BE MAINTAINED AS REQUIRED TO ENSURE GROWTH. HYDROSEEDING AREAS SHALL THEN BE COVERED WITH STRAW MULCH AND STABILIZED BY CRIMPING OR THE APPLICATION OF A LIQUID TACKIFIER.
- DURING GRADING OPERATIONS THE SITE SHALL BE WATERED ON A DAILY BASIS TO MINIMIZE THE RELEASE OF DUST AND OTHER PARTICULATE MATTER.
- EARTHWORK SHALL NOT BE PERFORMED DURING UNFAVORABLE CONDITIONS. AFTER INTERRUPTION OF WORK DUE TO HEAVY RAIN, THE ENGINEER SHALL APPROVE EARTHWORK BEFORE RESUMING EARTHMOVING OPERATIONS.
- CONTRACTOR SHALL BE RESPONSIBLE TO PUT IN PLACE THE NECESSARY MEANS AND EXECUTE PROPER METHODS TO PROTECT EARTHWORK AGAINST UNFAVORABLE WEATHER CONDITIONS. CONTRACTOR SHALL NOT BE PAID FOR ANY DELAY OR ADDITIONAL WORK TO REMEDY PREVIOUS EARTHWORK RESULTING FROM THE CONTRACTOR'S NEGLIGENCE TO PROTECT THE SITE.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO COMPLETE AND SUBMIT THE ANNUAL COMPLIANCE STATUS REPORT OF THE CONSTRUCTION STORM WATER GENERAL PERMIT ON SEPTEMBER 1ST OF EACH YEAR THE PROJECT IS IN CONSTRUCTION.
- THIS PROJECT SHALL COMPLY WITH APPLICABLE PROVISIONS IN THE STATE OF CALIFORNIA GENERAL PERMIT FOR STORMWATER DISCHARGES, ORDER NO. 2009-0009-DWQ.

**SCALE AND NORTH ARROW**



225 Miller Avenue, Mill Valley, CA 94941  
 T 415 383 7900 rhaa.com

**PROJECT/CLIENT NAME**  
**COASTSIDE FIRE PROTECTION DISTRICT FIRE STATION #41**

OBISPO ROAD, EL GRANADA, CA, 94018

**PROJECT NUMBER**  
 20232238

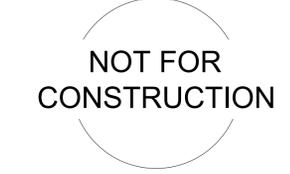


**SUBMITTAL**  
**100% CONSTRUCTION DOCUMENTS**  
**DATE**  
 17 MAY 2024

**REVISIONS**

| No. | Date | Description |
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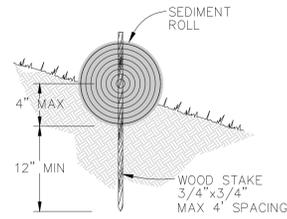
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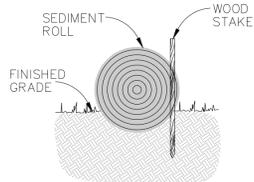
**SHEET TITLE**  
**EROSION CONTROL PLAN**  
 DRAWN BY: CA CHECKED BY: PK

**C-400**

**NOT FOR CONSTRUCTION**



ENTRENCHMENT DETAIL IN SLOPE AREA



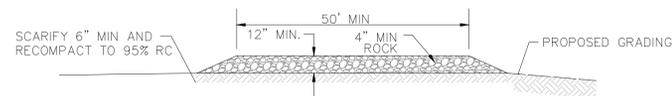
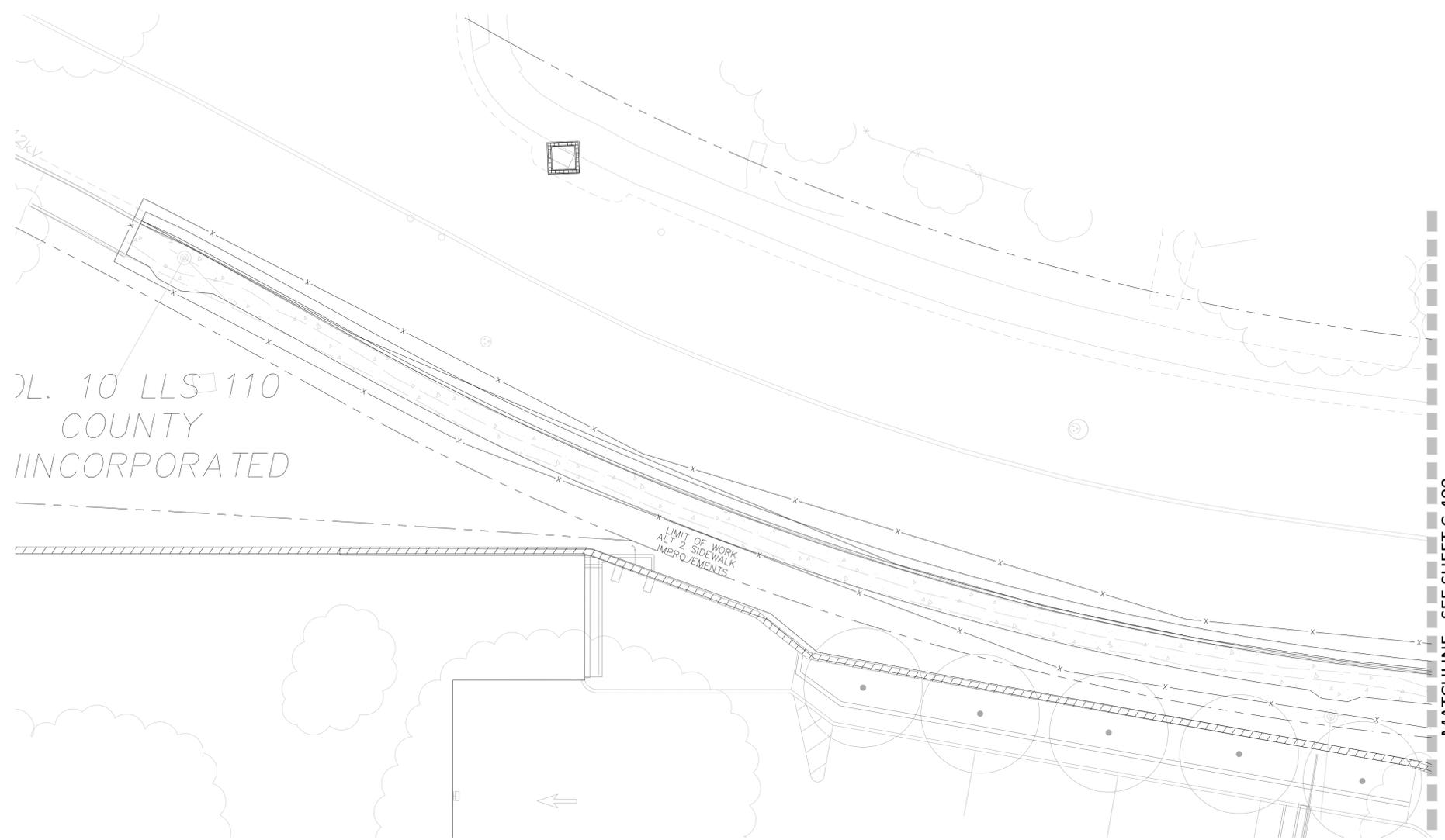
ENTRENCHMENT DETAIL IN FLAT AREA

**NOTES:**

1. USE REED & GRAHAM, INC. GEOSYNTHETICS STRAW WATTLE FIBER ROLL (COMES IN 9" X 25' ROLLS) OR APPROVED EQUIVALENT.
2. FIBER ROLL INSTALLATION REQUIRES THE PLACEMENT AND SECURE STAKING OF THE FIBER ROLL IN A TRENCH, 3" - 5" DEEP, DUG ON CONTOUR.
3. RUNOFF MUST NOT BE ALLOWED TO RUN UNDER OR AROUND FIBER ROLL. THE TOP OF THE STRUCTURE (PONDING HEIGHT) MUST BE WELL BELOW THE GROUND ELEVATION DOWNSLOPE TO PREVENT RUNOFF FROM BY-PASSING THE INLET.
4. EXCAVATION OF A BASIN ADJACENT TO THE DROP INLET OR A TEMPORARY DIKE ON THE DOWNSLOPE OF THE STRUCTURE MAY BE NECESSARY. IN PAVED AREAS, USE ROCK SACKS TO SECURE FIBER ROLLS IN PLACE OF WOOD STAKE.

**1 FIBER ROLL**  
SCALE: NTS

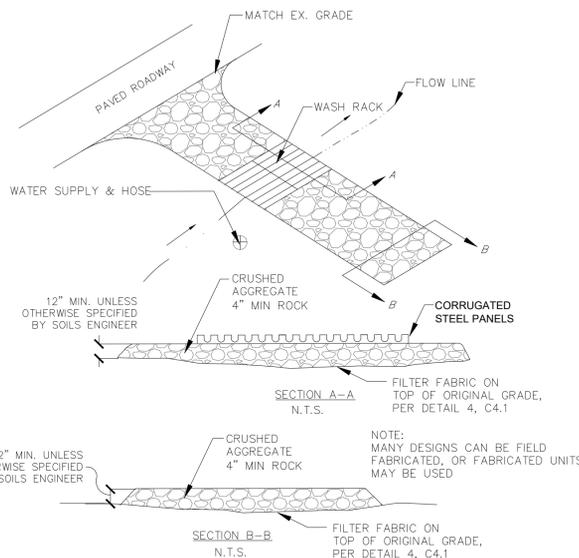
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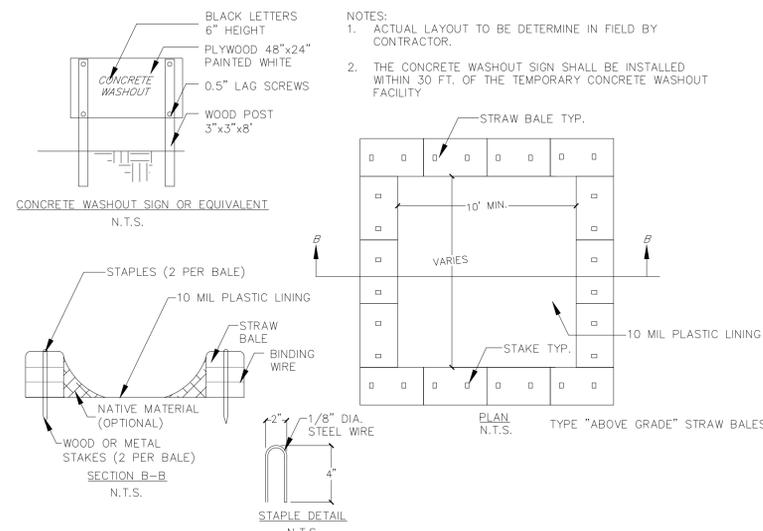
**NOTES:**

1. THE STABILIZED CONSTRUCTION ENTRANCE SHALL BE DESIGNED AND MAINTAINED IAW 2016 CFC, CHAPTER 5, 503.2.3.MMW 45,000 LBS.
2. SCARIFY THE TOP 6" OF SUBGRADE AND RECOMPACT TO AT LEAST 95% RELATIVE COMPACTION.
3. THE LOCATIONS SHOWN ARE FOR INFORMATION ONLY. CONSTRUCTION ENTRANCES SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAYS. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL ROCK AS CONDITIONS DEMAND, AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHT-OF-WAYS SHALL BE REMOVED IMMEDIATELY.
4. WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAYS. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED ROCK THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN. SEDIMENT SHALL BE PREVENTED FROM ENTERING THE STORM DRAIN, DITCH OR WATERCOURSE THROUGH USE OF INLET PROTECTION (E.G. GRAVELBAGS OR OTHER APPROVED METHODS).
5. THE MATERIAL FOR CONSTRUCTION OF THE PAD SHALL BE 4" MIN ROCK.
6. THE THICKNESS OF THE PAD SHALL NOT BE LESS THAN 12". THE WIDTH OF THE PAD SHALL NOT BE LESS THAN THE FULL WIDTH OF ALL POINTS OF INGRESS OR EGRESS, OR 25", WHICHEVER IS LESS.
7. THE LENGTH OF THE PAD SHALL NOT BE LESS THAN 50'.

**2 STABILIZED CONSTRUCTION ENTRANCE/EXIT**  
SCALE: NTS



**3 ENTRANCE / OUTLET TIRE WASH**  
SCALE: NTS



**4 CONCRETE WASTE MANAGEMENT**  
SCALE: NTS

DRAWING NAME: \\BKF-S\A\vo\2023\232238\_Coastside\Drawings\Sheets\C-400\_CS-ER.dwg PLOT DATE: 05-17-24 PLOTTED BY: onze

REVISIONS

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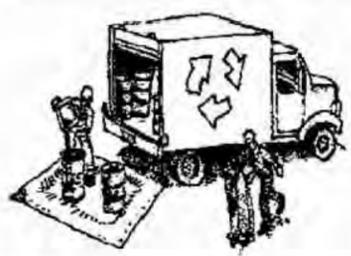
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# Construction Best Management Practices (BMPs)



Construction projects are required to implement the stormwater best management practices (BMP) on this page, as they apply to your project, all year long.

## Materials & Waste Management



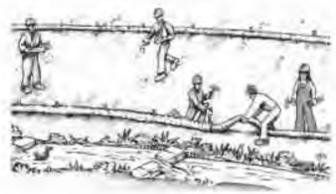
- Non-Hazardous Materials**
- Beem and cover stockpiles of sand, dirt or other construction material with tarps when rain is forecast or if not actively being used within 14 days.
  - Use (but don't overuse) reclaimed water for dust control.
- Hazardous Materials**
- Label all hazardous materials and hazardous wastes (such as pesticides, paints, thinners, solvents, fuel, oil, and antifreeze) in accordance with city, county, state and federal regulations.
  - Store hazardous materials and wastes in water-tight containers, store in appropriate secondary containment, and cover them at the end of every work day or during wet weather or when rain is forecast.
  - Follow manufacturer's application instructions for hazardous materials and be careful not to use more than necessary. Do not apply chemicals outdoors when rain is forecast within 24 hours.
  - Arrange for appropriate disposal of all hazardous wastes.
- Waste Management**
- Cover waste disposal containers securely with tarps at the end of every work day and during wet weather.
  - Check waste disposal containers frequently for leaks and to make sure they are not overflowing. Never hose down a dumpster on the construction site.
  - Clean or replace portable toilets, and inspect them frequently for leaks and spills.
  - Dispose of all wastes and debris properly. Recycle materials and wastes that can be recycled (such as asphalt, concrete, aggregate base materials, wood, gyp board, pipe, etc.)
  - Dispose of liquid residues from paints, thinners, solvents, glues, and cleaning fluids as hazardous waste.
- Construction Entrances and Perimeter**
- Establish and maintain effective perimeter controls and stabilize all construction entrances and exits to sufficiently control erosion and sediment discharges from site and tracking off site.
  - Sweep or vacuum any street tracking immediately and secure sediment source to prevent further tracking. Never hose down streets to clean up tracking.

## Equipment Management & Spill Control



- Maintenance and Parking**
- Designate an area, fitted with appropriate BMPs, for vehicle and equipment parking and storage.
  - Perform major maintenance, repair jobs, and vehicle and equipment washing off site.
  - If refueling or vehicle maintenance must be done onsite, work in a bermed area away from storm drains and over a drip pan big enough to collect fluids. Recycle or dispose of fluids as hazardous waste.
  - If vehicle or equipment cleaning must be done onsite, clean with water only in a bermed area that will not allow rinse water to run into gutters, streets, storm drains, or surface waters.
  - Do not clean vehicle or equipment onsite using soaps, solvents, degreasers, steam cleaning equipment, etc.
- Spill Prevention and Control**
- Keep spill cleanup materials (rags, absorbents, etc.) available at the construction site at all times.
  - Inspect vehicles and equipment frequently for and repair leaks promptly. Use drip pans to catch leaks until repairs are made.
  - Clean up spills or leaks immediately and dispose of cleanup materials properly.
  - Do not hose down surfaces where fluids have spilled. Use dry cleanup methods (absorbent materials, cat litter, and/or rags).
  - Sweep up spilled dry materials immediately. Do not try to wash them away with water, or bury them.
  - Clean up spills on dirt areas by digging up and properly disposing of contaminated soil.
  - Report significant spills immediately. You are required by law to report all significant releases of hazardous materials, including oil. To report a spill: 1) Dial 911 or your local emergency response number, 2) Call the Governor's Office of Emergency Services Warning Center, (800) 852-7550 (24 hours).

## Earthwork & Contaminated Soils



- Erosion Control**
- Schedule grading and excavation work for dry weather only.
  - Stabilize all denuded areas, install and maintain temporary erosion controls (such as erosion control fabric or bonded fiber matrix) until vegetation is established.
  - Seed or plant vegetation for erosion control on slopes or where construction is not immediately planned.
- Sediment Control**
- Protect storm drain inlets, gutters, ditches, and drainage courses with appropriate BMPs, such as gravel bags, silt rolls, berms, etc.
  - Prevent sediment from migrating offsite by installing and maintaining sediment controls, such as silt rolls, silt fences, or sediment basins.
  - Keep excavated soil on the site where it will not collect into the street.
  - Transfer excavated materials to dump trucks on the site, not in the street.
  - Contaminated Soils
  - If any of the following conditions are observed, test for contamination and contact the Regional Water Quality Control Board:
    - Unusual soil conditions, discoloration, or odor.
    - Abandoned underground tanks.
    - Abandoned wells.
    - Buried barrels, debris, or trash.

## Paving/Asphalt Work



- Avoid paving and seal coating in wet weather, or when rain is forecast before fresh pavement will have time to cure.
  - Cover storm drain inlets and manholes when applying seal coat, tack coat, slurry seal, fog seal, etc.
  - Collect and recycle or appropriately dispose of excess abrasive gravel or sand. Do NOT sweep or wash it into gutters.
  - Do not use water to wash down fresh asphalt concrete pavement.
- Sawcutting & Asphalt/Concrete Removal**
- Completely cover or barricade storm drain inlets when saw cutting. Use filter fabric, catch basin inlet filters, or gravel bags to keep slurry out of the storm drain system.
  - Shovel, absorb, or vacuum saw-cut slurry and dispose of all waste as soon as you are finished in one location or at the end of each work day (whichever is sooner!).
  - If sawcut slurry enters a catch basin, clean it up immediately.

## Concrete, Grout & Mortar Application



- Store concrete, grout and mortar under cover, on pallets and away from drainage areas. These materials must never reach a storm drain.
- Wash out concrete equipment/trucks offsite or in a contained area, so there is no discharge into the underlying soil or onto surrounding areas. Let concrete harden and dispose of as garbage.
- Collect the wash water from washing exposed aggregate concrete and remove it for appropriate disposal offsite.

## Dewatering



- Effectively manage all run-on, all runoff within the site, and all runoff that discharges from the site. Divert run-on water from offsite away from all disturbed areas or otherwise ensure compliance.
- When dewatering, notify and obtain approval from the local municipality before discharging water to a street gutter or storm drain. Filtration or diversion through a basin, tank, or sediment trap may be required.
- In areas of known contamination, testing is required prior to reuse or discharge of groundwater. Consult with the Engineer to determine whether testing is required and how to interpret results. Contaminated groundwater must be treated or hauled off-site for proper disposal.

## Painting & Paint Removal



- Painting cleanup**
- Never clean brushes or rinse paint containers into a street, gutter, storm drain, or surface waters.
  - For water-based paints, paint out brushes to the extent possible. Rinse to the sanitary sewer once you have gained permission from the local wastewater treatment authority. Never pour paint down a drain.
  - For oil-based paints, paint out brushes to the extent possible and clean with thinner or solvent in a proper container. Filter and reuse thinners and solvents. Dispose of residue and unusable thinner/solvents as hazardous waste.
- Paint removal**
- Chemical paint stripping residue and chips and dust from marine paints or paints containing lead or tributyltin must be disposed of as hazardous waste.
  - Paint chips and dust from non-hazardous dry stripping and sand blasting may be swept up or collected in plastic drop cloths and disposed of as trash.

## Landscape Materials



- Contain stockpiled landscaping materials by storing them under tarps when they are not actively being used.
- Stack erodible landscape material on pallets. Cover or store these materials when they are not actively being used or applied.
- Discontinue application of any erodible landscape material within 2 days before a forecast rain event or during wet weather.

Storm drain polluters may be liable for fines of up to \$10,000 per day!

DRAWING NAME: \\BKF-S\A\vo\A\2023\20232238\_Coastside Fire Station #41\_S\idraw\K\ENG-1\Sheets\C-400\_CS-ER.dwg PLOT DATE: 05-17-24 PLOTTED BY: onze

