STATE OF CALIFORNIA
Governor's Office of Planning and Research
State Clearinghouse and Planning Unit

Gavin Newsom
Governor

Kate Gordon
Director

Memorandum

Date: July 1, 2020

To: All Reviewing Agencies

From: Scott Morgan, Director

Re: SCH # 2005031096
General Jim Moore Boulevard and Eucalyptus Road Improvement Project

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The State Clearinghouse forwarded the above-referenced document on **March 18, 2005** with **Fort Ord Reuse Authority** as the Lead Agency. Please note that the Lead Agency has changed and the correct Lead Agency for the above referenced project is the **City of Seaside**. See the attached letters for more specific information. All other project information remains the same.

OFFICE OF THE CITY ATTORNEY
440 Harcourt Avenue
Seaside, CA 93955
www.ci.seaside.ca.us
Telephone 831-899-6890
Facsimile 831-718-8602

June 29, 2020

State Clearinghouse
1400 Tenth Street
Sacramento, CA 95814

RE: Eucalyptus Road Infiltrator Repair Project
SCH 2005031096

Dear State Clearinghouse,

Please be advised that, with the dissolution of the Fort Ord Reuse Authority, the City of Seaside will become the "lead agency" for repairs to the Infiltrators for that part of the General Jim Moore Boulevard and Eucalyptus Road Improvement Project, State Clearing House Number 2005031096 referred to in the last sentence of the project description as the "action also includes improving Eucalyptus Road along its current alignment starting at the intersection with General Jim Moore Blvd. and continuing for approx.. 9,100 linear feet". A copy of the interagency agreement with respect to the work is enclosed.

Sincerely,

Sheri L. Damon
City Attorney
City of Seaside

Enc.

Cc: Joshua Metz, Executive Officer
Jon Giffen, Authority Counsel

MEMORANDUM OF AGREEMENT
REGARDING FUNDING TO BE PROVIDED FOR THE REPAIR OF
STORM WATER INFILTRATION UNITS - EUCALYPTUS ROAD

This Memorandum of Agreement ("MOA"), is made and entered into effective as of _____, 2020 (the "Effective Date") by and between the Fort Ord Reuse Authority ("FORA"), a California public agency, and the City of Seaside (the "City"), a California general law city. FORA and the City are sometimes referred to herein in the singular as a "Party" and collectively as the "Parties."

Recitals

A. FORA's Capital Improvement Program for fiscal year 2019/2020 includes repair of storm water infiltration units installed within Eucalyptus Road, as more fully described in the draft final plans attached hereto as Exhibit A (the "Repairs"). FORA's Board of Directors recently approved the amount of One Million One Hundred Twenty Thousand Dollars ($1,120,000) to cover the currently estimated cost of the Repairs (the "Budgeted Repair Costs").

B. FORA is scheduled to terminate in accordance with state law on June 30, 2020 ("FORA's Termination Date"). FORA does not have sufficient time or management resources to successfully execute the completion of the Repairs by FORA's Termination Date, but the City has such resources and desires to complete the Repairs.

C. As FORA's Termination Date approaches, it is anticipated that approximately Ten Thousand Five Hundred Thirty Dollars ($10,530) of the funds originally budgeted in connection with design services during the construction stage of the Repairs (the "Budgeted Construction Related Costs") will remain unexpended.

D. FORA has now requested that the City undertake the Repairs and the City is willing to do so, each on all of the terms and conditions set forth in this MOA. Accordingly, the Parties now wish to enter into this MOA to provide for the transfer to the City of (i) the Budgeted Repair Costs and (ii) the unexpended portion of the Budgeted Construction Related Costs (but not to exceed Ten Thousand Five Hundred Thirty Dollars ($10,530) (which collectively with the Budgeted Repair Costs may be referred to herein as the "Transferred Repair Funds"), each for use by the City as funds to carry out the Repairs.

E. Upon the full signing of this MOA, the City will carry out the Repairs in compliance with applicable law, including by acting as lead agency if and to the extent that a lead agency for the Repairs may be required under the California Environmental Quality Act.

Agreement

In consideration of the mutual terms, covenants and conditions contained herein the Parties agree as follows:

1. **Recitals.** The Recitals set forth above are to the best of the knowledge of the Parties true and correct and are incorporated into this MOA by this reference.

2. **FORA's Obligations.** Within seven (7) calendar days of the full signing of this MOA, FORA will transfer and pay to the order of the City, and the City agrees to accept from FORA, the Transferred Repair Funds, in full satisfaction of any obligation of FORA to provide funding to complete the Repairs.

3. **City's Obligations.** The City will use the Transferred Repair Funds to promptly complete the Repairs on Eucalyptus Road Infiltrators, which will ultimately become the property of the City. The City will enter into agreements for the completion of the Repairs (which agreements shall include requirements to pay prevailing wages in accordance with state law and the FORA Master Resolution), will have final approval of all contractors or consultants, designs and methods employed in making the Repairs, and will be responsible for paying all costs as well as retaining any cost savings. The City shall timely and fully carry out all responsibilities, if any, as lead agency for the Repairs.

4. **Notification to State Clearinghouse.** Promptly following the full signing of this MOA, the Parties shall cooperate in providing appropriate notification to the California Office of Planning and Research's State Clearinghouse that FORA is not the lead agency for the Repairs and that, to the extent that a lead agency for the Repairs may be required under applicable law, the City has assumed that role.

5. **Term.** The term of this MOA shall begin on the Effective Date and continue until FORA's Termination Date, unless terminated earlier as provided herein; provided, however, that the City's obligations to complete the Repairs in accordance with the terms of this MOA shall remain in full force and effect until final completion of the Repairs, as evidenced by the recording of a Notice of Completion in the Official Records of Monterey County.

6. **Accounting and Records.** FORA (until FORA's Termination Date) and the City shall each maintain and account for the funds related to the Repairs. Attached as Exhibit B is a list of the documents relating to the Repairs of which the City has already been provided electronic copies. Promptly following the full signing of this MOA, FORA will exercise good faith and commercially reasonable efforts to provide the City with copies of available and appropriate records pertaining to the Repairs which have reasonably been requested by the City in writing.

7. **Parties' Representatives.** All work under this MOA shall be coordinated between the Parties through the City's Manager and FORA's Executive Officer.

8. **Reserved.**

9. **Indemnification.** Each party shall indemnify, defend, protect, hold harmless, and release the other, its officers, agents, and employees, from and against any and all claims, loss, proceedings, damages, causes of action, liability, costs, or expense (including attorneys' fees) arising from or in connection with, or caused by any act, omission, or negligence of such indemnifying party or its agents, employees, contractors, subcontractors, or invitees.

10. **Termination.** If through any cause either Party fails to fulfill in a timely and proper manner its obligations under this MOA, or violates any of the terms or conditions of this MOA or applicable Federal or State laws and regulations, the non-breaching Party may terminate this MOA

upon seven (7) calendar days written notice to the breaching Party. In the event that the Repairs have not been completed within ten (10) years after the Effective Date of this MOA, then any funds remaining unexpended as of that date shall be distributed as follows: Twenty percent (20%) may be retained by the City and twenty percent (20%) shall be distributed to each of the County of Monterey and the Cities of Del Rey Oaks, Marina, and Monterey.

11. **Applicable Law.** This MOA shall be construed and interpreted under the laws of the State of California.

12. **Severability.** In the event any part of this MOA is declared by a court of competent jurisdiction to be invalid, void or unenforceable, such part shall be deemed severed from the remainder of the MOA and the remaining provisions shall continue in full force without being impaired or invalidated in any way.

13. **Assignment.** Neither Party may assign this MOA or any part hereof, without written consent and prior approval of the other Party and any assignment without said consent shall be void and unenforceable.

14. **Amendment.** No amendment, modification, alteration or variation of the terms of this MOA shall be valid unless made in writing and signed by authorized representatives for the Parties hereto and no oral understanding or agreement not incorporated herein shall be binding on any of the Parties thereto.

15. **Time of the Essence.** Time is of the essence for each and every provision of this MOA.

16. **Notices.** Any notice required or permitted under this MOA, shall be in writing and shall be deemed served on the date personally delivered or three (3) business days after being sent by certified mail, return receipt requested, addressed as follows, unless otherwise notified in writing of a change of address:

To the City: City Manager
City of Seaside
440 Harcourt Avenue
Seaside, CA 93955

w/ Email copy to cityattorney@ci.seaside.ca.us

To FORA: Executive Officer
Fort Ord Reuse Authority
920 2nd Avenue, Suite A
Marina, CA 93933

17. **Authority.** Each Party represents and warrants to the other Party that it is authorized to execute, deliver and perform this MOA, and the terms and conditions hereof are valid and binding obligations of the Party making this representation.

18. **Compliance with Laws.** The Parties agree to comply with all applicable local, state and federal laws and regulations. The City further agrees to comply with all applicable public works contracting requirements.

19. **Venue.** Both Parties hereby agree and consent to the exclusive jurisdiction of the courts of the State of California and that the venue of any action brought thereunder shall be Monterey County, California.

20. **Survival.** All rights and obligations hereunder that by their nature are to be performed after any expiration or termination of this MOA shall survive any such expiration or termination.

21. **Relationship of the Parties.** It is understood that this MOA is entered into by and between two public entities and is not intended to, and shall not be construed to, create the relationship of agent, servant, employee, partnership, joint venture, or any other similar association.

22. **Third-Party Beneficiaries.** In order to provide a mechanism for enforcement of the City's obligations under this MOA after FORA's Termination Date, the County of Monterey is hereby made an intended third-party beneficiary of this MOA until recordation of the Notice of Completion referred to in Paragraph 5 hereinabove.

23. **Reserved.**

24. **Interpretation.** This MOA, as well as its individual provisions, shall be deemed to have been prepared equally by both of the Parties hereto, and shall not be construed or interpreted more favorably for one Party on the basis that the other Party prepared it.

25. **Counterparts.** This MOA may be signed in counterparts, each of which shall constitute an original, but all of which shall constitute one and the same agreement. The signature page of this MOA or any Amendment may be executed by way of a manual or authorized signature. Delivery of an executed counterpart of a signature page to this MOA or an Amendment by electronic transmission scanned pages shall be deemed effective as a delivery of a manually or digitally executed counterpart to this MOA or any Amendment.

26. **Reserved.**

27. **Entire Agreement.** This MOA contains the entire understanding between the Parties and supersedes any prior written or oral understandings and agreements regarding the subject matter of this MOA. There are no representations, agreements, arrangements or understandings, or written, between the Parties relating to the subject matter of this MOA which are not fully expressed herein.

[*signatures appear on following page(s)*]

The Parties have executed this MOA on the date(s) written below:

FORT ORD REUSE AUTHORITY

Joshua Metz
Executive Officer

Date: 6/19/20

ATTEST:

Clerk of the Board

APPROVED AS TO FORM:

Jon Giffen
Authority Counsel

CITY OF ~~MARINA~~ SEASIDE

Craig Malin
City Manager

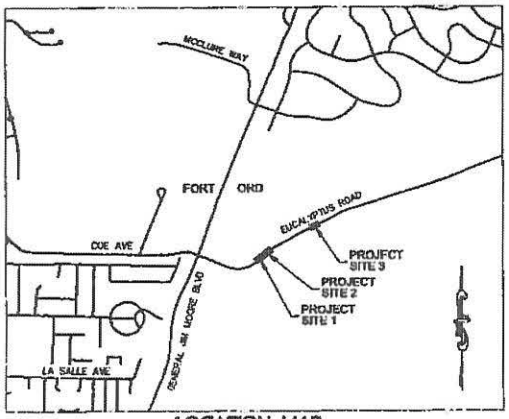
Date: 6/17/20

City Clerk

Sheri Damon
City Attorney

FORT ORD REUSE AUTHORITY
EUCALYPTUS ROAD INFILTRATION UNIT REPAIRS
CITY OF SEASIDE, MONTEREY COUNTY, CALIFORNIA

EXHIBIT A to MOA Regarding Funding to be Provided for the Repair of Storm Water Infiltration Units - Eucalyptus Road



LOCATION MAP
NOT TO SCALE

PROJECT CONTACT INFORMATION

OWNER:
SCOTT OTTMAR, PE
CITY OF SEASIDE
PHONE: (831) 899-6885
EMAIL: SOTTMAR@CLSEASIDE.CA.US

CIVIL ENGINEER:
DAVID PEZZINI, PE
HARRIS & ASSOCIATES
PHONE: (831) 256-7620
EMAIL: DAVID.PEZZINI@WEAREHARRIS.COM

PROJECT MANAGER:
PETER SAID
FORT ORD REUSE AUTHORITY
PHONE: (831) 883-3672
EMAIL: PETER@FORA.ORG

CONSTRUCTION MANAGER:
DANA VAN HORN, PE
HARRIS & ASSOCIATES
PHONE: (831) 789-8670
EMAIL: DANA.VANHORN@WEAREHARRIS.COM

INDEX OF DRAWINGS

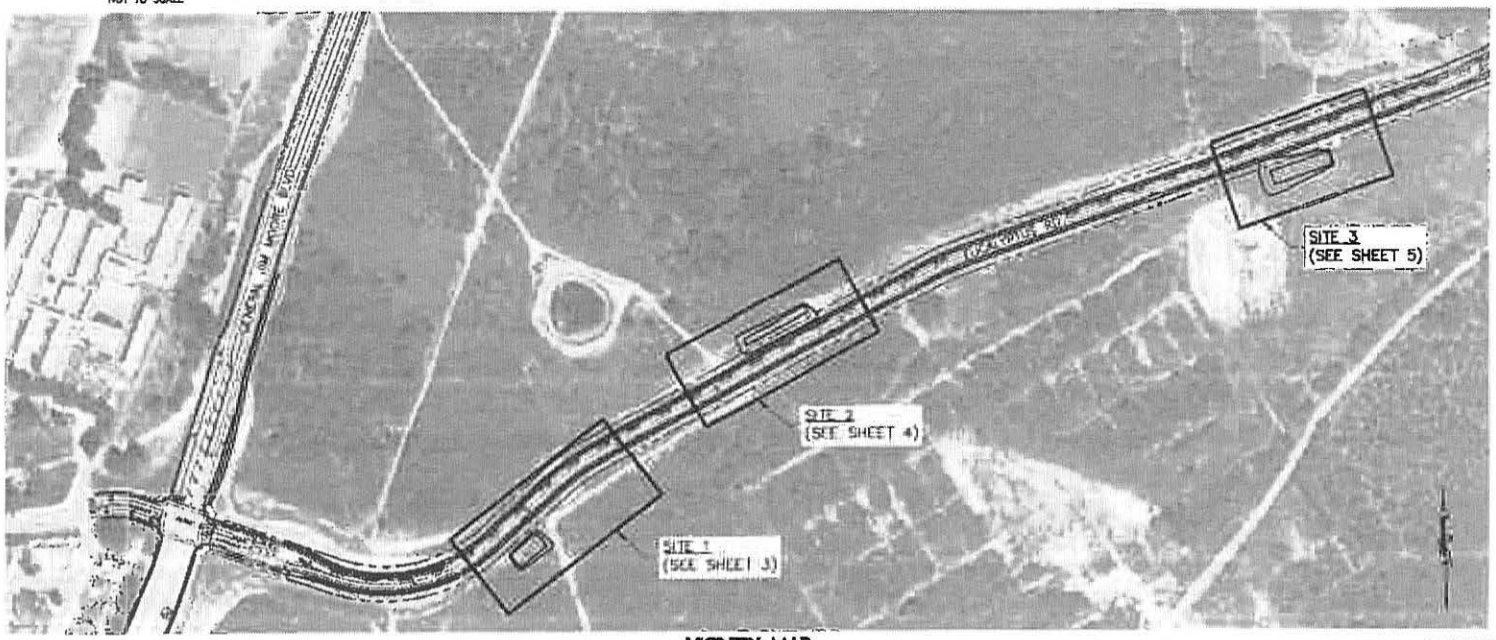
SHEET #	DRAWING #	DESCRIPTION
1	T-01	TITLE SHEET
2	N-01	NOTES AND ABBREVIATIONS
3	C-01	SITE 1 - PLAN AND PROFILE
4	C-02	SITE 2 - PLAN AND PROFILE
5	C-03	SITE 3 - PLAN AND PROFILE
6	CD-01	BIORETENTION BASIN CROSS SECTIONS
7	CD-02	CONSTRUCTION DETAILS
8	CD-03	STORMTECH MC-4500 DETAILS
9	EC-01	EROSION CONTROL PLAN

BENCHMARK

A MAGNETIC AND BRASS WASHER STAMPED "BESTOR ENGINEERS" SET IN THE EASTERN PAVED SHOULDER OF GENERAL JIM MOORE BLVD, APPROXIMATELY 280' SOUTHERLY OF THE CENTERLINE OF EUCALYPTUS ROAD. ELEVATION: 332.31 (NGVD29)

STANDARD PLANS

STATE OF CALIFORNIA, STANDARD PLANS FOR CONSTRUCTION, 2018 ISSUED BY CALIFORNIA DEPARTMENT OF TRANSPORTATION.



VICINITY MAP
NOT TO SCALE

811
Know what's below. Call before you dig.

ENGINEERING ESTIMATES & FEASIBILITY IN PREPARATION FOR PROCUREMENT OF A POTENTIAL CONSTRUCTION CONTRACT. DOCUMENT EXEMPT FROM PUBLIC DISCLOSE UNTIL CONTRACT IS FULLY OBTAINED.

HARRIS & ASSOCIATES

EUCALYPTUS ROAD INFILTRATION UNIT REPAIRS
TITLE SHEET
CITY OF SEASIDE MONTEREY COUNTY CALIFORNIA

Date: 1/14/2020
Scale: AS SHOWN
Design: DP
Drawn: HW
Approved:
Job No: 1001201223

DRAWING NUMBER: T-01
SHEET NUMBER: 1 OF 9

DRAFT FINAL SUBMITTAL

I. GENERAL NOTES

1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS AND THESE PLANS.
2. THE CONTRACTOR SHALL GIVE INSPECTORS, FIVE (5) WORKING DAYS ADVANCE NOTICE FOR INSPECTION SERVICES.
3. ALL REVISIONS TO THESE PLANS MUST BE REVIEWED AND APPROVED IN WRITING BY THE DESIGN ENGINEER PRIOR TO CONSTRUCTION OF AFFECTED ITEMS. REVISIONS SHALL BE ACCURATELY SHOWN ON REVISED PLANS.
4. ALL STREET, SIDEWALK AND HAUL ROUTES SHALL BE KEPT CLEAN AND CLEAR OF DEBRIS, DIRT AND DUST IN A MANNER ACCEPTABLE TO FORA.
5. EXCAVATIONS SHALL BE ADEQUATELY SHORED, BRACED AND SHEATHED SO THAT THE EARTH WILL NOT SLIDE OR SETTLE AND SO THAT EXISTING IMPROVEMENTS WILL BE FULLY PROTECTED FROM DAMAGE. ANY DAMAGE RESULTING FROM A LACK OF ADEQUATE SHORING, BRACING AND SHEATHING, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND HE SHALL COMPLETE NECESSARY REPAIRS OR RECONSTRUCTION AT HIS OWN EXPENSE. WHERE THE EXCAVATION FOR A CONDUIT TRENCH, AND/OR STRUCTURE IS FIVE (5) FEET OR MORE IN DEPTH, THE CONTRACTOR SHALL PROVIDE SHEATHING, SHORING AND BRACING IN CONFORMANCE WITH THE APPLICABLE CONSTRUCTION SAFETY ORDERS OF THE DIVISION OF INDUSTRIAL SAFETY OF THE STATE OF CALIFORNIA. THE CONTRACTOR SHALL COMPLY WITH OSHA REQUIREMENTS AT ALL TIMES.
6. THE CONTRACTOR SHALL PROVIDE DUST CONTROL FOR THE PROJECT SITE AT ALL TIMES. THE SITE SHALL BE SPRINKLED AS NECESSARY TO PREVENT DUST NUISANCE. IN THE EVENT THE CONTRACTOR NEGLECTS TO USE ADEQUATE MEASURES TO CONTROL DUST, FORA RESERVES THE RIGHT TO TAKE WHATEVER MEASURES ARE NECESSARY TO CONTROL DUST AND CHARGE THE COST TO THE CONTRACTOR.
7. DURING CONSTRUCTION, STREETS SHALL BE CLEANED AS OFTEN AS REQUIRED TO REMOVE ANY ACCUMULATION OF MUD AND DEBRIS RESULTING FROM THIS CONSTRUCTION.
8. IF IMPORT OR EXPORT OF DIRT IS NECESSARY, THE CONTRACTOR SHALL OBTAIN APPROVAL FOR THE HAULING ROUTE(S) FROM CITY OF SEASIDE. HAULING ROUTE(S) SHALL NOT GO THROUGH CSUMB CAMPUS. CONTRACTOR TO COORDINATE WITH THE CITY OF SEASIDE. THE HAULING ROUTES SHALL BE STRICTLY ADHERED TO BY THE CONTRACTOR AND ALL SUBCONTRACTORS. DIRT HAULING PERMIT REQUIRED.
9. ALL CONSTRUCTION STAKING SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
10. SHOULD IT APPEAR THAT THE WORK TO BE DONE OR ANY MATTER RELATIVE THERETO IS NOT SUFFICIENTLY DETAILED OR SPECIFIED IN THE CONSTRUCTION DOCUMENTS, THE CONTRACTOR SHALL NOTIFY FORA'S PROJECT MANAGER, BEFORE PROCEEDING WITH THE WORK IN QUESTION.
11. WHEN SPECIFICATIONS OR STANDARDS FROM DIFFERENT AUTHORITIES DIFFER FOR THE SAME SUBJECT MATTER, THE MORE STRINGENT SHALL GOVERN. IF THERE ARE ITEMS THAT CONTRADICT EACH OTHER IN THE BID DOCUMENTS AND THE CONTRACTOR DID NOT CLARIFY PRIOR TO THE BID, THEN THE STRICTER AND/OR BETTER QUALITY, SHALL APPLY.
12. UPON SATISFACTORY COMPLETION OF THE WORK, THE ENTIRE WORK SITE SHALL BE CLEANED UP AND LEFT WITH A SMOOTH AND NEATLY GRADED SURFACE FREE OF CONSTRUCTION WASTE AND RUBBISH OF ANY NATURE OR ANYTHING LARGER THAN 3 INCHES BY THE CONTRACTOR. EXCLUDES LANDSCAPING & TREES NOT DESIGNATED FOR REMOVAL.
13. CONTRACTOR SHALL COORDINATE WORK WITH MONTEREY BAY AIR RESOURCES DISTRICT (MBARD) PRIOR TO START. ALL WORK SHALL BE DONE IN COMPLIANCE WITH MBARD.
14. CONSTRUCTION SHALL BE LIMITED TO BETWEEN THE HOURS OF 7:00 A.M. AND 5:00 P.M., MONDAY THRU FRIDAY. ANY DEVIATIONS FROM THIS SCHEDULE WILL REQUIRE APPROVAL 48 HOURS IN ADVANCE BY FORA.
15. THE CONTRACTOR SHALL ERECT A TEMPORARY CONSTRUCTION FENCE ALONG THE PROJECT SITE TO SECURE THE SITE AS REQUIRED.
16. IN ORDER TO MINIMIZE CONSTRUCTION NOISE IMPACTS, ALL ENGINE DRIVEN CONSTRUCTION VEHICLES, EQUIPMENT AND PNEUMATIC TOOLS SHALL BE REQUIRED TO USE EFFECTIVE INTAKE AND EXHAUST MUFFLERS; EQUIPMENT SHALL BE PROPERLY ADJUSTED AND MAINTAINED; ALL CONSTRUCTION EQUIPMENT SHALL BE EQUIPPED WITH MUFFLERS IN ACCORDANCE WITH OSHA STANDARDS. CONTRACTOR SHALL COMPLY WITH CITY OF SEASIDE NOISE ORDINANCE REQUIREMENTS AT ALL TIMES.
17. THE CONTRACTOR SHALL NOTIFY FORA'S PROJECT MANAGER, IN WRITING, AT LEAST 48 HOURS PRIOR TO COMMENCING WORK OF ALL DIFFERENCES BETWEEN THE FIELD CONDITIONS AND THE DESIGN INDICATED ON THE PLANS. COMMENCEMENT OF THE RELATED WORK SHALL BE SUBJECT TO THE WRITTEN APPROVAL OF FORA BEFORE ALTERED WORK IS STARTED VIA REQUEST FOR INFORMATION OR CHANGE. UNAUTHORIZED WORK WILL BE AT THE CONTRACTOR'S RISK & EXPENSE AND MAY BE REQUIRED TO BE REPAIRED OR REPLACED IF NOT AUTHORIZED BY FORA, AT CONTRACTOR'S EXPENSE.
18. THE CONTRACTOR SHALL PROVIDE A QUALIFIED SUPERVISOR ON THE JOB SITE AT ALL TIMES DURING CONSTRUCTION.
19. THE CONTRACTOR SHALL COMPLY WITH ALL STATE, COUNTY, AND CITY LAWS AND ORDINANCES, REGULATIONS OF THE DEPARTMENT OF INDUSTRIAL RELATIONS, O.S.H.A., AND COMMISSION ON HEALTH AND SAFETY AND WORKER'S COMPENSATION RELATING TO SAFETY AND CHARACTER OF WORK, EQUIPMENT AND LABOR PERSONNEL.
20. THE STORING OF GOODS, EQUIPMENT AND/OR MATERIALS ON THE PUBLIC SIDEWALK AND/OR A PUBLIC STREET SHALL NOT BE ALLOWED UNLESS A SPECIAL PERMIT IS ISSUED BY FORA OR FORA'S REPRESENTATIVE.
21. THE CONTRACTOR SHALL OBTAIN ALL REQUIRED INSPECTION AND PERMITS, AND PROVIDE NOTICES REQUIRED BY THE CITY.

II. EXISTING CONDITIONS

1. EXISTING TOPOGRAPHIC INFORMATION SHOWN ON THESE PLANS IS BASED ON RECORD DOCUMENTS, AERIAL PHOTOGRAPHY, AND SUPPLEMENTAL TOPOGRAPHY BY WHITSON ENGINEERS.
2. CONTRACTOR SHALL REVIEW THE PLANS AND SPECIFICATIONS AND CONDUCT FIELD INVESTIGATIONS AS REQUIRED TO VERIFY EXISTING CONDITIONS AT THE PROJECT SITE.
3. INFORMATION REGARDING EXISTING SUBSURFACE IMPROVEMENTS AND UTILITIES SHOWN ON THESE PLANS WAS TAKEN FROM RECORD DATA KNOWN TO THE DESIGN ENGINEER AND IS NOT MEANT TO BE A FULL CATALOG OF EXISTING CONDITIONS. CONTRACTOR SHALL CONDUCT FIELD INVESTIGATIONS AS REQUIRED TO VERIFY THE LOCATION, SIZE, AND ELEVATION OF ALL EXISTING SUBSURFACE IMPROVEMENTS AND UTILITIES (WHETHER SHOWN ON THESE PLANS OR NOT) PRIOR TO THE COMMENCEMENT OF WORK. CONTRACTOR SHALL NOTIFY THE DESIGN ENGINEER IMMEDIATELY UPON DISCOVERY OF ANY DISCREPANCIES BETWEEN EXISTING CONDITIONS IN THE FIELD AND INFORMATION SHOWN ON THESE PLANS.
4. ALL UNDERGROUND UTILITIES MAY NOT BE SHOWN. THOSE SPECIFICALLY SHOWN ON PLANS ARE APPROXIMATE LOCATIONS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY EXACT LOCATION AND DEPTH OF UTILITIES THROUGH POTHOLING IN THE FIELD.
5. CONTRACTOR SHALL CALL "UNDERGROUND SERVICE ALERT" (U.S.A.) AT 811 AT LEAST 48 HOURS BEFORE ANY EXCAVATION OR GRADING WORK.
6. IF THE CONTRACTOR FAILS TO INVESTIGATE KNOWN OR UNKNOWN EXISTING SUBSURFACE IMPROVEMENTS PRIOR TO ANY CONSTRUCTION ACTIVITIES AND UNFORESEEN CONDITIONS ARISE, ALL COSTS AND SCHEDULE IMPACTS WILL BE BORNE BY THE CONTRACTOR.
7. MUNITIONS AND EXPLOSIVES OF CONCERN (MEC) MAY BE OBSERVED AT THE WORK SITE DURING CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL STOP ALL CONSTRUCTION ACTIVITIES IF MEC OR MEC-LIKE ITEMS ARE OBSERVED. PLEASE REFER TO SPECIFICATION SECTION 01 14 00 FOR MEC WORK RESTRICTIONS.

III. UTILITIES

1. CONTRACTOR SHALL MAKE ARRANGEMENTS AT LEAST THREE (3) WORKING DAYS IN ADVANCE WITH APPROPRIATE UTILITY COMPANIES PRIOR TO ANY DISCONNECTION, ABANDONMENT OF, OR WORK WITH THE LINES AND APPURTENANT STRUCTURES OF THE UTILITIES LISTED BELOW:

STORM DRAIN	– CITY OF SEASIDE
SANITARY SEWER	– MCWD
WATER	– MCWD
ELECTRICAL	– PG&E
TELEPHONE	– AT&T
GAS	– PG&E

IV. ABANDONMENT OF EX UTILITY PIPES AND/OR CONDUITS

1. EXISTING UTILITY PIPES AND/OR CONDUIT TO BE CAPPED AND ABANDONED IN PLACE WHERE NOTED.
2. ABANDON EXISTING INFILTRATION UNITS BY FILLING IN WITH A MIXTURE OF 3-SACK CEMENT AND APPROVED EXCAVATED MATERIAL FROM THE NEAREST BIORETENTION BASIN AREA

V. SEDIMENTATION AND POLLUTION CONTROL

1. CONTRACTOR SHALL FOLLOW ALL REQUIREMENTS OF THE PROJECT STORM WATER POLLUTION PREVENTION PLAN (SWPPP), WASTE DISCHARGER IDENTIFICATION (WDID) NUMBER 3 27C381618, APPROVED ON AUGUST 05, 2011.
2. CONTRACTOR SHALL HIRE A QUALIFIED SWPPP PRACTITIONER (QSP) TO IMPLEMENT ALL PHASES OF THE PROJECT UNDER THE SWPPP INCLUDING, BUT NOT LIMITED TO, UPDATING THE SWPPP AS NECESSARY, SUBMITTING THE NOTICE OF INTENT (NOI), NOTICE OF TERMINATION (NOT), SAMPLING AND MONITORING, AND REPORTING MONITORING REPORTS TO THE REGIONAL WATER QUALITY CONTROL BOARD. PROVIDE QSP CERTIFICATE TO FORA.
3. A COPY OF THE SWPPP SHALL REMAIN ON-SITE THROUGHOUT CONSTRUCTION.
4. CONTRACTOR SHALL IMPLEMENT ALL SEDIMENTATION AND POLLUTION CONTROL MEASURES SHOWN ON THE EROSION CONTROL PLANS AND DETAILS INCLUDED IN THESE IMPROVEMENT PLANS.
5. ALL FINES IMPOSED AND REPAIRS REQUIRED FOR NOT FOLLOWING THE SWPPP SHALL BE PAID BY THIS CONTRACTOR.

VI. RECORD DRAWINGS

1. THE RECORD DRAWING SHALL BE "REDLINED" ON A SET OF CONSTRUCTION PRINTS AND INDICATE THE FOLLOWING:
   a. IDENTIFY LOCATION, SIZE, MATERIAL AND TYPE OF UTILITY THAT WAS ABANDONED OR LEFT IN PLACE AND THE CONDITION THEREOF.
   b. NOTE THE LOCATION AND ELEVATION (OR APPROXIMATE DEPTH RELATIVE TO FINISH GRADE) OF ANY EXISTING UTILITIES.
2. CONTRACTOR SHALL DELIVER REDLINED PRINTS TO THE DESIGN ENGINEER WITH A COPY TO FORA.
3. THE DESIGN ENGINEER INCORPORATES CONTRACTOR'S INFORMATION INTO RECORD DRAWINGS AND SUBMITS THEM TO FORA.

VII. STATEMENT OF RESPONSIBILITY

1. CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY FORA & ITS REPRESENTATIVES AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE DESIGN PROFESSIONAL.
2. CONTRACTOR SHALL COMPLY WITH ALL STATE, COUNTY AND CITY LAWS AND ORDINANCES; AND REGULATIONS OF THE DEPARTMENT OF INDUSTRIAL RELATIONS, O.S.H.A. AND INDUSTRIAL ACCIDENT COMMISSION RELATING TO SAFETY AND CHARACTER OF WORK EQUIPMENT AND LABOR PERSONNEL.

VIII. UNAUTHORIZED CHANGES AND USES

1. THE DESIGN ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES TO THESE PLANS. ALL CHANGES TO THE PLANS MUST BE IN WRITING AND MUST BE APPROVED BY THE PREPARER OF THESE PLANS.

IX. PROJECT NOTES

1. CONTRACTOR SHALL SECURE ENTRY GATE AT EUCALYPTUS ROAD AND GENERAL JIM MOORE BLVD AT ALL TIMES. KEEP THE ACCESS IN FRONT OF THE GATE OPEN FOR EMERGENCY VEHICLES.
2. EUCALYPTUS ROAD IS CURRENTLY CLOSED TO THE PUBLIC VEHICULAR TRAFFIC BUT PEDESTRIANS AND BICYCLISTS USE THE ROAD. CONTRACTOR SHALL KEEP ROADWAY CLEAR OF DEBRIS AND OTHER HAZARDS TO PEDESTRIANS AND BICYCLISTS.
3. STAGING AREA IS LIMITED TO 150 FEET FROM EDGE OF EUCALYPTUS ROAD TO THE UNPAVED AREAS. NO MORE THAN ½ OF EUCALYPTUS ROAD CAN BE USED AS A STAGING AREA. STAGING AREA IS LIMITED TO 20 FEET EAST AND WEST OF THE FINAL GRADES NOTED ON THE DRAWINGS.

X. SOIL MANAGEMENT

1. PROJECT MUST COMPLY WITH THE CITY OF SEASIDE MUNICIPAL CODE CHAPTER 15.34 "DIGGING AND EXCAVATION ON THE FORMER FORT ORD". THE PROGRAMMATIC ON-CALL CONSTRUCTION SUPPORT PLAN (CSP), ROADWAYS AND UTILITIES, SEASIDE MUNITIONS RESPONSE AREA (11/06/19), OR UPDATED VERSION THEREOF, IS INTENDED TO SUPPORT SEASIDE'S DIGGING AND EXCAVATION ORDINANCE CONSTRUCTION SUPPORT REQUIREMENTS FOR INTRUSIVE ACTIVITIES RELATED TO ROADWAY AND UTILITY PROJECTS TO ENSURE EACH EVENT DISTURBING 10 CUBIC YARDS OR MORE OF SOIL IS (1) COORDINATED WITH A UNEXPLODED ORDNANCE (UXO) SUPPORT CONTRACTOR, AS REQUIRED, AND (2) IN ACCORDANCE WITH RIGHT-OF-ENTRY AGREEMENTS, RIGHT-OF-WAY AGREEMENTS, PROPERTY DEEDS, AND CITY OF SEASIDE COVENANT TO RESTRICT USE OF PROPERTY (CRUP). ALL REQUIREMENTS AND REPORTING AS DEFINED IN THE PROGRAMMATIC ON-CALL CSP MUST BE COMPLIED WITH DURING ALL STAGES OF CONSTRUCTION.

LEGEND

- EXISTING INFILTRATION UNIT
- EXISTING ELECTRICAL SERVICE
- EXISTING ELECTRICAL BOXES
- EXISTING FENCE
- EXISTING SILT FENCE
- EXISTING UTILITY POLE
- EXISTING PG&E TOWER
- EXISTING STORM DRAIN MANHOLE
- EXISTING STORM DRAIN INLET
- SD — EXISTING STORM DRAIN PIPE
- PROPOSED STORM DRAIN PIPE

ABBREVIATIONS

AB	AGGREGATE BASE	GB	GRADE BREAK	SD	STORM DRAIN
AC	ASPHALT CONCRETE	GV	GAS VALVE	SDCB	STORM DRAIN CATCH BASIN
ADA	AMERICANS WITH DISABILITIES ACT	HDPE	HIGH DENSITY POLYETHYLENE	SDMH	STORM DRAIN MANHOLE
AVE	AVENUE	HMA	HOT MIX ASPHALT	SF	SQUARE FEET
BC	BEGIN CURVE / BACK OF CURB	HP	HIGH POINT	SL	STREET LIGHT
BW	BACK OF WALK	IN	INCHES	SPEC / SPECS	SPECIFICATIONS
C&G	CONCRETE CURB & GUTTER	INV	INVERT	SS	SANITARY SEWER
CB	CATCH BASIN	IP	IRON PIPE	SSCO	SANITARY SEWER CLEANOUT
CL	CENTERLINE	JT	JOINT TRENCH	SSIR	SANITARY SEWER RODDING INLET
CLR	CLEAR	LF	LINEAR FEET	SSMH	SANITARY SEWER MANHOLE
CMP	CORRUGATED METAL PIPE	LN	LANE	ST	STREET
CONC.	CONCRETE	LT	LEFT	STD	STANDARD
CONF	CONFORM	MAX.	MAXIMUM	STRL	STEEL
CONT.	CONTINUOUS	MIN.	MINIMUM	SW	SIDEWALK
CR	CURB RETURN / CURB RAMP	MON	MONUMENT	SWPPP	STORMWATER POLLUTION PREVENTION PLAN
CY	CUBIC YARD	(N)	NEW		
DI	DRAINAGE INLET	NF	NOT FOUND	SY	SQUARE YARD
DIA., ø	DIAMETER	N.I.C.	NOT IN CONTRACT	T	TELEPHONE
DIM	DIMENSION	NTS	NOT TO SCALE	TC	TOP OF CURB
DR	DRIVE	O.C.	ON CENTER	TYP.	TYPICAL
DS	DOWNSTREAM	OG	ORIGINAL GRADE	UNK / UN	UNKNOWN
DWG.	DRAWING	PB	PULL BOX	US	UPSTREAM
DWY/DW	DRIVEWAY	PCC	PORTLAND CEMENT CONCRETE	U.S.A	UNDERGROUND SERVICE ALERT
EA	EACH	PG&E	PACIFIC GAS AND ELECTRIC	UTIL	UTILITY
EG	EXISTING GRADE	P/L	PROPERTY LINE	V	VERTICAL
EP	EDGE OF PAVEMENT	PVC	POLYVINYL CHLORIDE	VG	VALLEY GUTTER
EX, EXIST. (E)	EXISTING	R	RADIUS	W	WATER
FG	FINISHED GRADE	ROW / R/W	RIGHT OF WAY	WM	WATER METER
FH	FIRE HYDRANT	RCP	REINFORCED CONCRETE PIPE	WSP	WELDED STEEL PIPE
FL	FLOWLINE	RD	ROAD	WV	WATER VALVE
FOC	FACE OF CURB	RET	RETAINING		
FO	FIBER OPTIC	R&R	REMOVE AND REPLACE		
FT	FEET	RR	RAILROAD		
G	GAS	RT	RIGHT		
		S	SLOPE		

ENGINEERING ESTIMATES & FEASIBILITY IN PREPARATION FOR PROCUREMENT OF A POTENTIAL CONSTRUCTION CONTRACT. DOCUMENT EXEMPT FROM PUBLIC DISCLOSE UNTIL CONTRACT IS FULLY OBTAINED.

HARRIS & ASSOCIATES
45 Leveroni Ct., Ste. 1 • Novato, CA 94949 • (415) 883-0780

EUCALYPTUS ROAD INFILTRATION UNIT REPAIRS
NOTES AND ABBREVIATIONS
CITY OF SEASIDE MONTEREY COUNTY CALIFORNIA

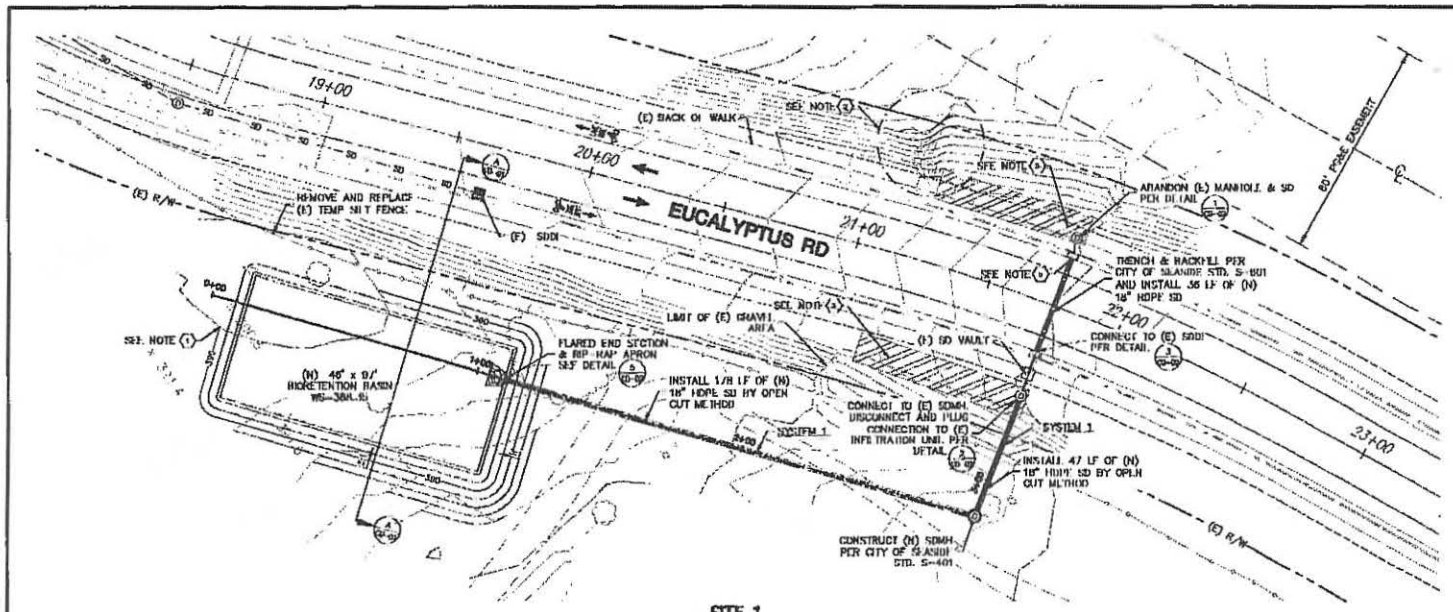
No.	Revisions

Date: 1/24/2020
Scale: NOT TO SCALE
Design: BP
Drawn: HW
Approved:
Job No: 80218.000

DRAWING NUMBER
N-01
SHEET NUMBER
2 OF 9

DRAFT FINAL SUBMITTAL

Plotted: 1/24/2020 11:43:23 AM by: Bland - I:\2019\80218.000 Seaside Munitions Response\Design\Roadways\Eucalyptus Road\UG-Eucalyptus Road\Sheets\N-01_LEGEND_ABBREVIATIONS.dwg by: HarperHeise



SITE 1
SCALE: 1"=20'

CONSTRUCTION NOTES:

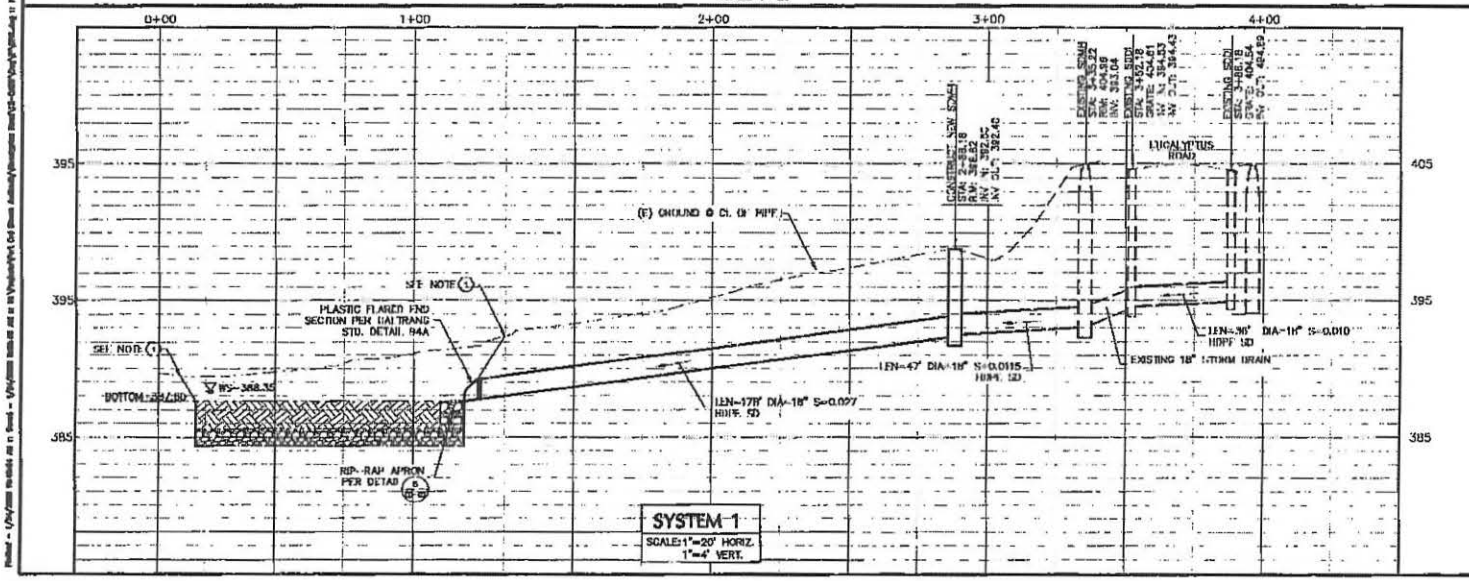
1. LIMIT OF WORK, GRADE TO MATCH EXISTING GROUND
2. REPAIR ERODED AREA BY FILLING WITH SOIL, COMPACTED TO 90% RELATIVE COMPACTION. SLOPE SHALL BE 3:1 MIN.
3. ABANDON EXISTING INFILTRATION UNITS BY FILLING THE UNITS WITH A 3-SACK SAND-CEMENT SLURRY. EXCAVATED MATERIAL MAY BE USED WITH WRITTEN APPROVAL OF THE CITY ENGINEER.
4. CAUTION: OVERHEAD LINES
5. REMOVE EXISTING VEGETATION AND DISC GROUND PRIOR TO GRADING.
6. DISCONNECT AND PLUG EXISTING STORM DRAIN CONNECTION AND CONNECT NEW STORM DRAIN PER DETAIL

DIRT QUANTITIES:

CUT = 825 CY
FILL = 0 CY

ENGINEERING ESTIMATES & FEASIBILITY IN PREPARATION FOR PROCUREMENT OF A POTENTIAL CONSTRUCTION CONTRACT. DOCUMENT EXEMPT FROM PUBLIC DISCLOSE UNTIL CONTRACT IS FULLY OBTAINED.

GRAPHIC SCALE:
H: 1" = 20'



SYSTEM 1
SCALE: 1"=20' HORIZ.
1"=4' VERT.

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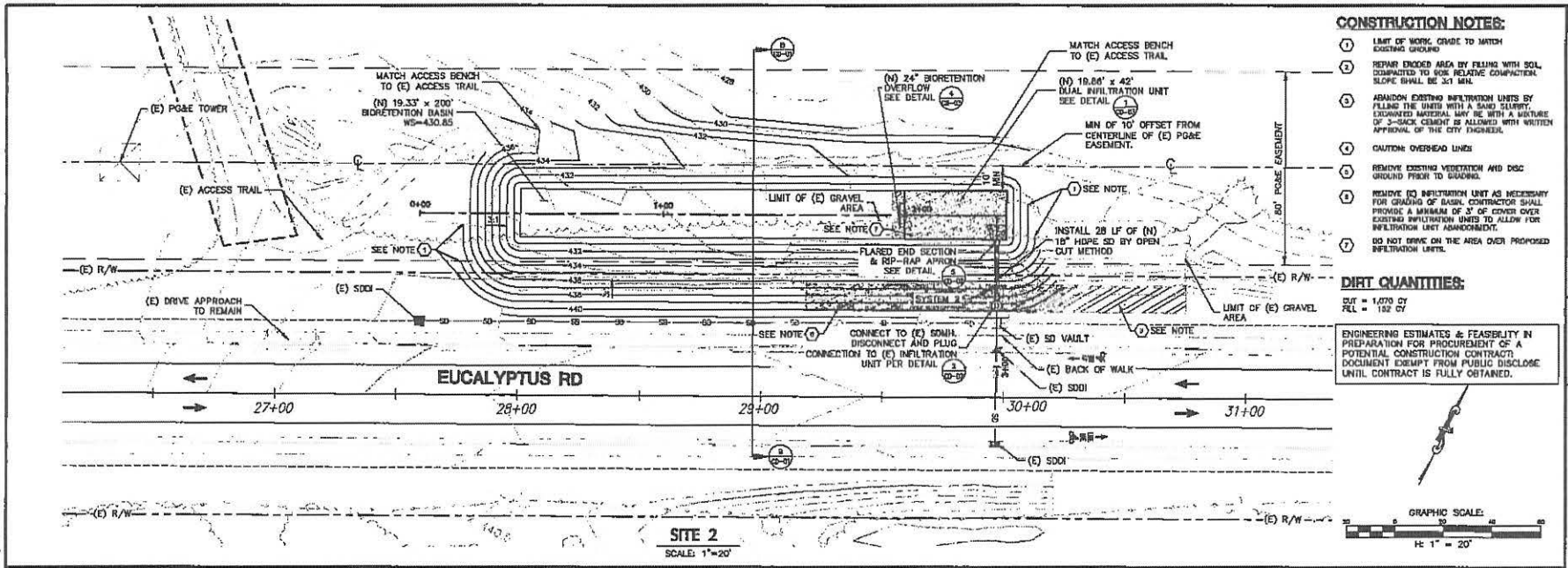
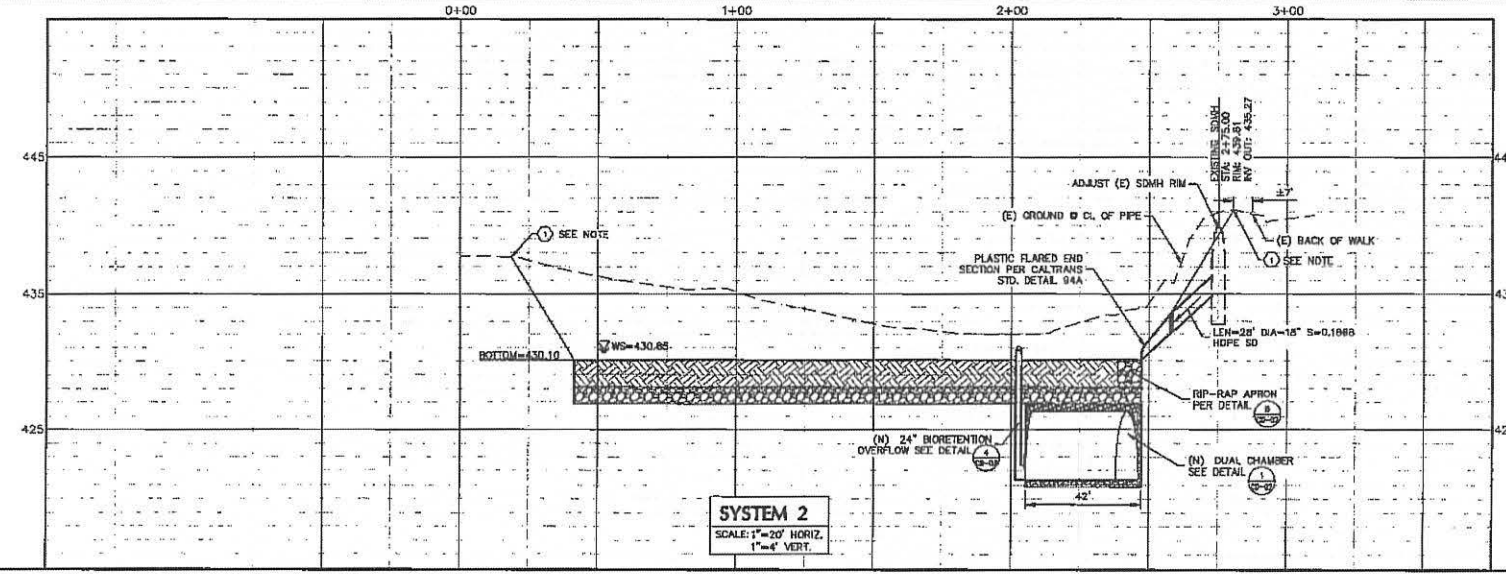
4501 Lincoln Avenue, Suite 103 Salinas, CA 93901

EUCALYPTUS ROAD INFILTRATION UNIT REPAIRS
SITE 1 - PLAN AND PROFILE
CITY OF SEASIDE MONTEREY COUNTY CALIFORNIA

DRAWING NUMBER: C-01
SHEET NUMBER: 3 OF 9

DRAFT FINAL SUBMITTAL





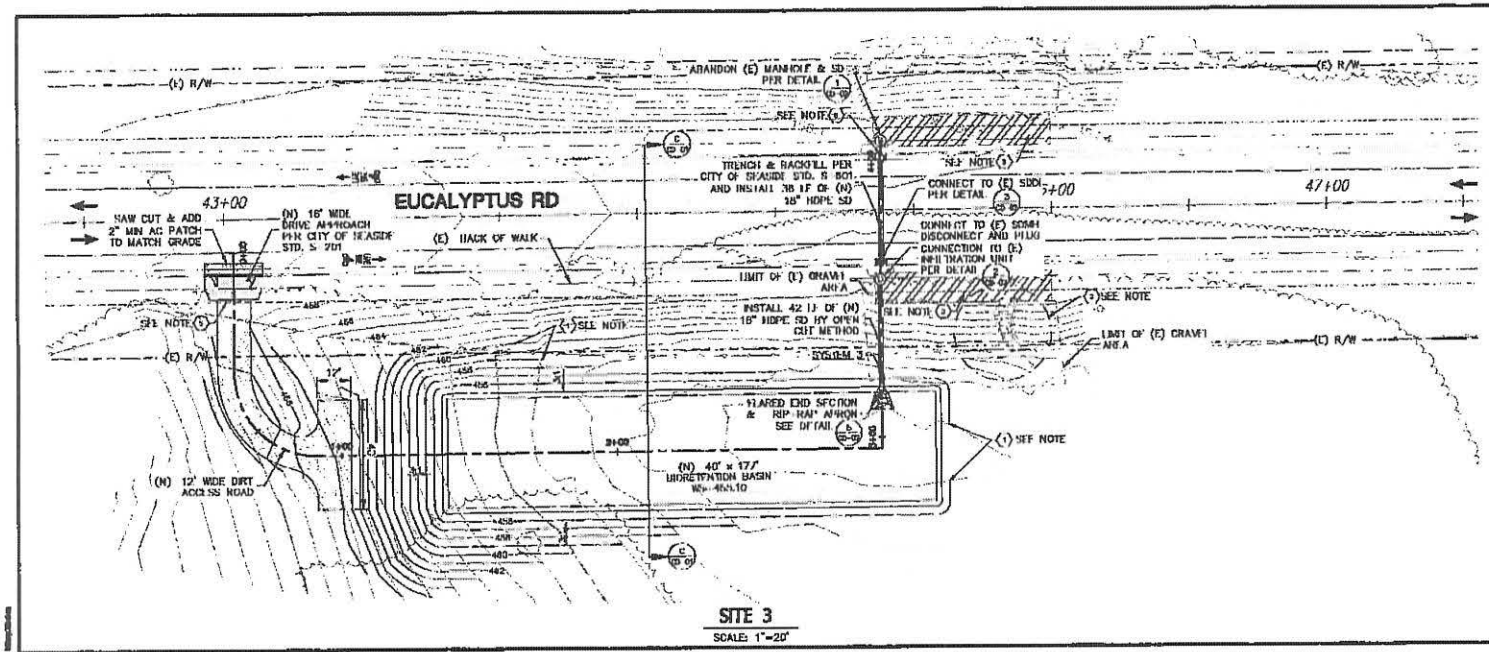
HARRIS & ASSOCIATES

EUCALYPTUS ROAD INFILTRATION UNIT REPAIRS
SITE 2 – PLAN AND PROFILE
CITY OF SEASIDE MONTEREY COUNTY CALIFORNIA

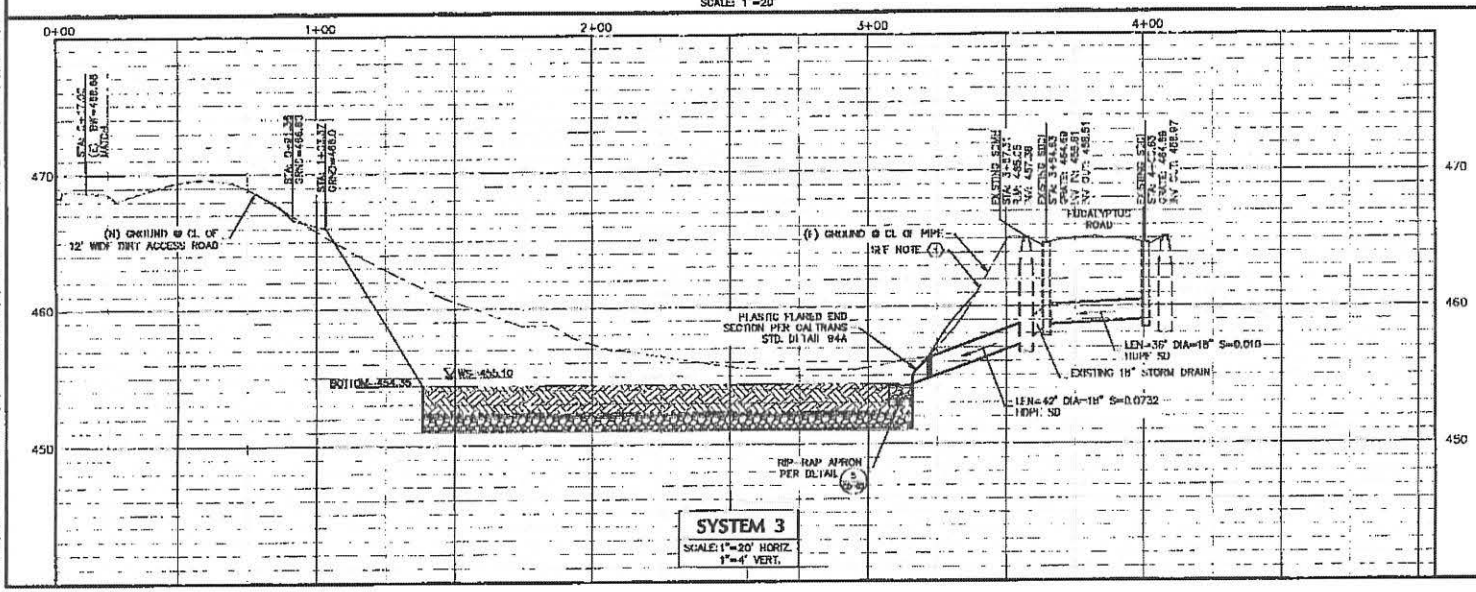
Date: 1/21/2020
Scale: 1"=20'
Design: DP
Drawn: HS
Approved:
Job No: 1902.0010

DRAWING NUMBER C-02
SHEET NUMBER 4 OF 9

DRAFT FINAL SUBMITTAL



SITE 3
SCALE: 1"=20'



SYSTEM 3
SCALE: 1"=20' HORIZ. 1"=4' VERT.

CONSTRUCTION NOTES:

1. LIMIT OF WORK. GRADE TO MATCH EXISTING GROUND
2. REPAIR ERODED AREA BY FILLING WITH SOIL. COMPACTED TO 90% RELATIVE COMPACTION. SLOPE SHALL BE 3:1 MIN.
3. ABANDON EXISTING INFILTRATION UNITS BY FILLING THE UNITS WITH A SAND SLURRY. EXCAVATED MATERIAL MAY BE WITH A MIXTURE OF 3-BACK CEMENT IS ALLOWED WITH WRITTEN APPROVAL OF THE CITY ENGINEER.
4. CAUTION: OVERHEAD LINES
5. REMOVE EXISTING VEGETATION AND DISC GROUND PRIOR TO GRADING.
6. DISCONNECT AND PLUG EXISTING STORM DRAIN CONNECTION AND CONNECT NEW STORM DRAIN PER DETAIL

DIRT QUANTITIES:

CUT = 1,427 CY
FILL = 22 CY

ENGINEERING ESTIMATES & FEASIBILITY IN PREPARATION FOR PROCUREMENT OF A POTENTIAL CONSTRUCTION CONTRACT. DOCUMENT EXEMPT FROM PUBLIC DISCLOSE UNTIL CONTRACT IS FULLY OBTAINED.

GRAPHIC SCALE:
1" = 20'

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450 Lincoln Avenue, Suite 103 Salinas, CA 93901

EUCALYPTUS ROAD INFILTRATION UNIT REPAIRS

SITE 3 - PLAN AND PROFILE

CITY OF SEASIDE MONTEREY COUNTY CALIFORNIA

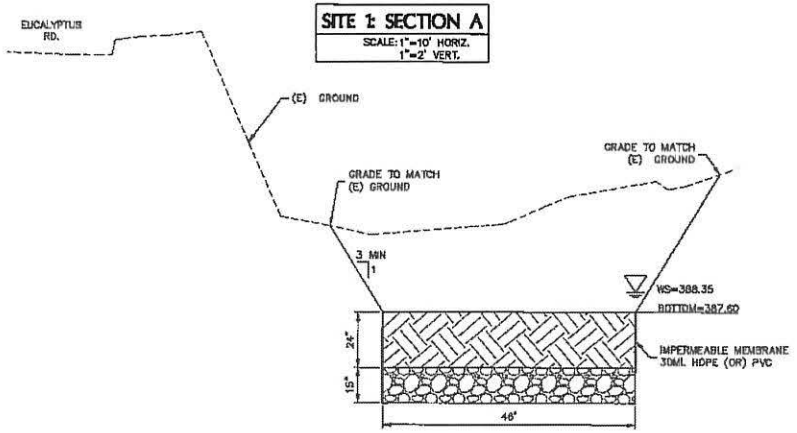
Date: 1/24/2020
Scale: 1"=20'
Design: DR
Drawn: KW
Approved:
Job No: 150120.003

DRAWING NUMBER: C-03
SHEET NUMBER: 5 OF 9

DRAFT FINAL SUBMITTAL

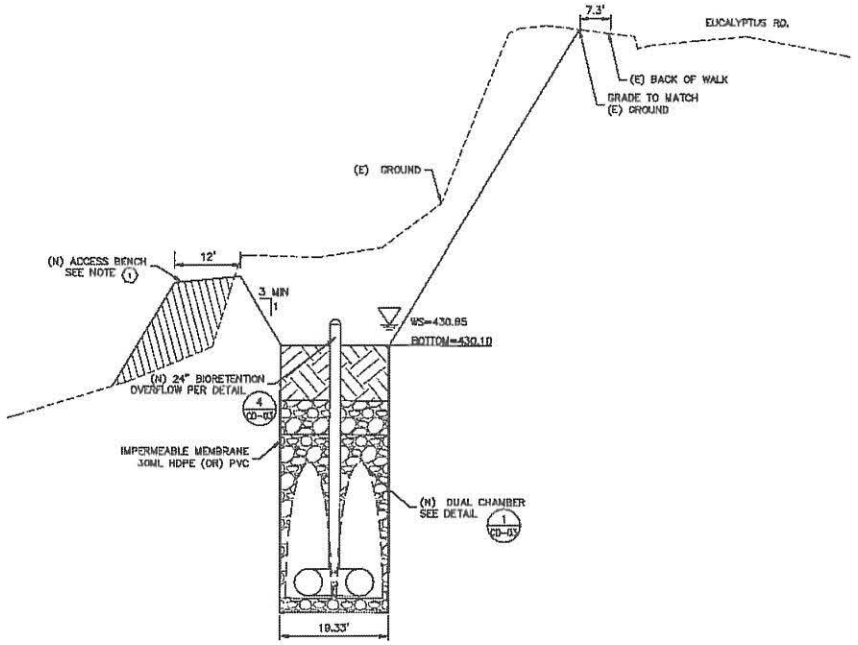
SITE 1: SECTION A

SCALE: 1"=10' HORIZ.
1"=2' VERT.



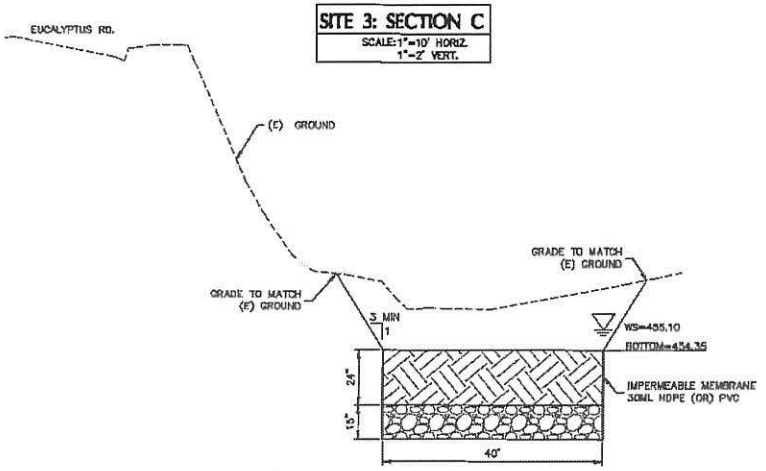
SITE 2: SECTION B

SCALE: 1"=10' HORIZ.
1"=2' VERT.



SITE 3: SECTION C

SCALE: 1"=10' HORIZ.
1"=2' VERT.



CONSTRUCTION NOTES:

1. ACCESS BENCH SHALL BE COMPACTED TO 90% RELATIVE COMPACTION WITH EXCAVATED MATERIAL

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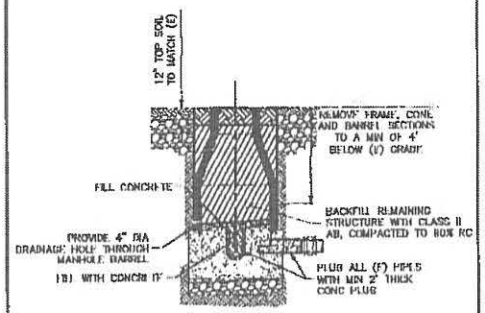
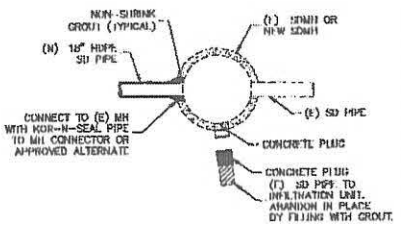
EUCALYPTUS ROAD INFILTRATION UNIT REPAIRS
BIORETENTION BASIN CROSS SECTIONS
CITY OF SEASIDE MONTEREY COUNTY CALIFORNIA

DRAWING NUMBER
CD-01
SHEET NUMBER
6 OF 9

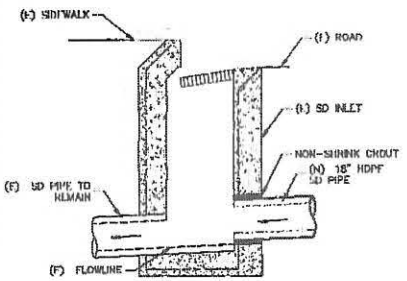
DRAFT FINAL SUBMITTAL



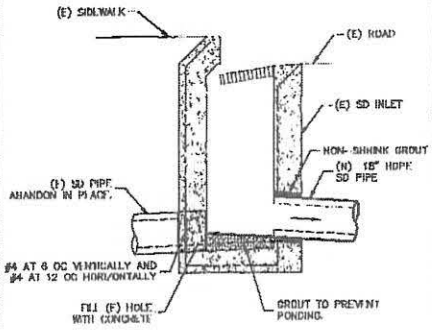
DETAIL 1: MANHOLE ABANDONMENT
NOT TO SCALE



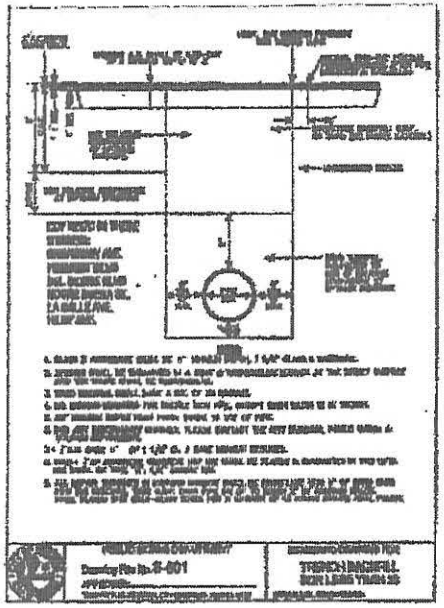
DETAIL 2: TYPICAL MANHOLE CONNECTION
NOT TO SCALE

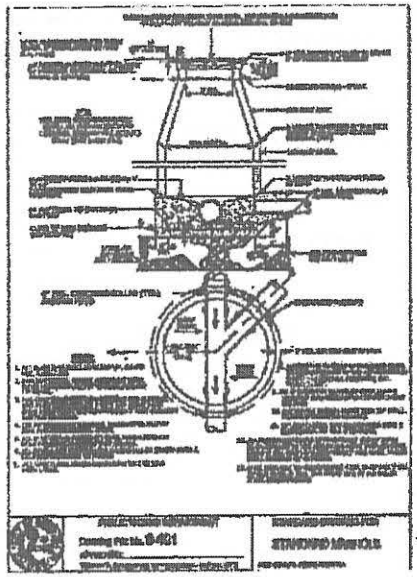


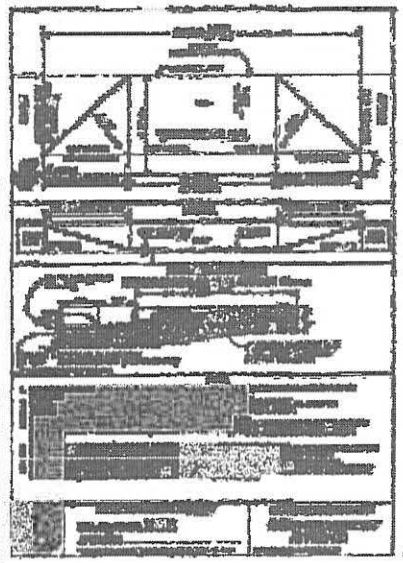
DETAIL 3: (E) SD INLET CONNECTION
NOT TO SCALE

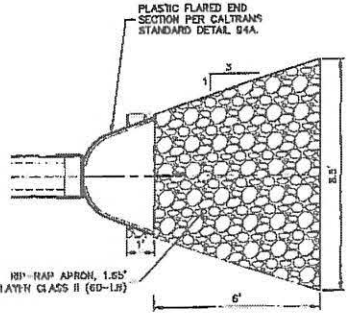


DETAIL 4: (E) SD INLET MODIFICATION
NOT TO SCALE









DETAIL 5: FLARED END SECTION
NOT TO SCALE

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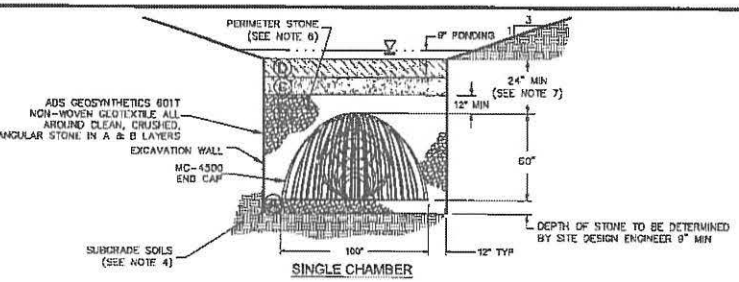
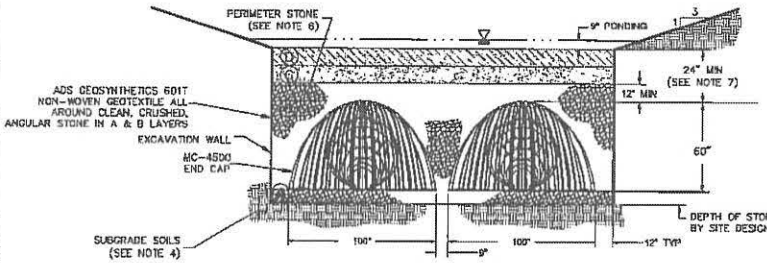
EUCALYPTUS ROAD INFILTRATION UNIT REPAIRS
CONSTRUCTION DETAILS
CITY OF SEASIDE MONTEREY COUNTY CALIFORNIA

DRAWING NUMBER
CD-02
SHEET NUMBER
7 OF 9

DRAFT FINAL SUBMITTAL



SINGLE CHAMBER

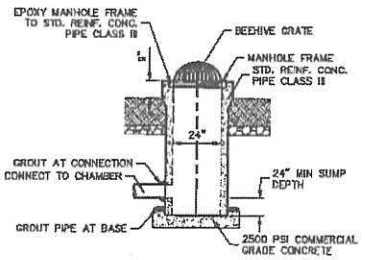


DUAL CHAMBER

NOTES:

1. MC-4500 CHAMBERS SHALL CONFORM TO THE REQUIREMENTS OF ASTM F2418 "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
2. MC-4500 CHAMBERS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM F2787 "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
3. "ACCEPTABLE FILL MATERIALS" TABLE ABOVE PROVIDES MATERIAL LOCATIONS, DESCRIPTIONS, GRADATIONS, AND COMPACTION REQUIREMENTS FOR FOUNDATION, EMBEDMENT, AND FILL MATERIALS.
4. THE SITE DESIGN ENGINEER IS RESPONSIBLE FOR ASSESSING THE BEARING RESISTANCE (ALLOWABLE BEARING CAPACITY) OF THE SUBGRADE SOILS AND THE DEPTH OF FOUNDATION STONE WITH CONSIDERATION FOR THE RANGE OF EXPECTED SOIL MOISTURE CONDITIONS.
5. PERIMETER STONE MUST BE EXTENDED HORIZONTALLY TO THE EXCAVATION WALL FOR BOTH VERTICAL AND SLOPED EXCAVATION WALLS.
6. ONCE LAYER 'C' IS PLACED, ANY SOIL/MATERIAL CAN BE PLACED IN LAYER 'D' UP TO THE FINISHED GRADE. MOST PAVEMENT SUBBASE SOILS CAN BE USED TO REPLACE THE MATERIAL REQUIREMENTS OF LAYER 'C' OR 'D' AT THE SITE DESIGN ENGINEER'S DISCRETION.
7. TO BOTTOM OF FLEXIBLE PAVEMENT. FOR UNPAVED INSTALLATIONS WHERE RUTTING FROM VEHICLES MAY OCCUR, INCREASE COVER TO 30".

(1) MC-4500 OR APPROVED EQUAL CROSS SECTION

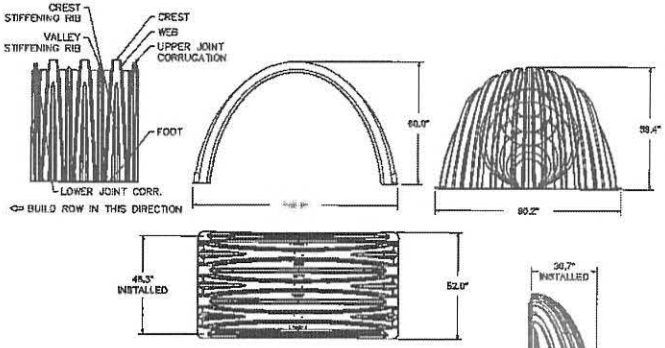


(4) BIO RETENTION OVERFLOW

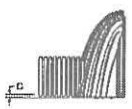
	MATERIAL LOCATION	DESCRIPTION	AASHTO MATERIAL CLASSIFICATIONS	COMPACTION / DENSITY REQUIREMENT
D	FINAL FILL: FILL MATERIAL FOR LAYER 'D' STARTS FROM THE TOP OF THE 'C' LAYER TO THE UNPAVED FINISHED GRADE ABOVE.	SOIL MIX (GSM); PER SPECIFICATIONS	N/A	PREPARE PER SITE DESIGN ENGINEER'S PLANS. PAVED INSTALLATIONS MAY HAVE STRINGENT MATERIAL AND PREPARATION REQUIREMENTS.
C	INITIAL FILL: FILL MATERIAL FOR LAYER 'C' STARTS FROM THE TOP OF THE EMBEDMENT STONE ('B' LAYER) TO 24" (600 mm) ABOVE THE TOP OF THE CHAMBER.	CALTRANS CLASS 2 PERMEABLE MATERIAL	AASHTO M145[1] A-1, A-2-4, A-3 OR AASHTO M43[1] 3, 357, 4, 467, 5, 56, 57, 6, 67, 68, 7, 78, 8, 89, 9, 10	BEGIN COMPACTIONS AFTER 24" (600 mm) OF MATERIAL OVER THE CHAMBERS IS REACHED. COMPACT ADDITIONAL LAYERS IN 12" (300 mm) MAX LIFTS TO A MIN. 95% PROCTOR DENSITY FOR WELL GRADED MATERIAL AND 95% RELATIVE DENSITY FOR PROCESSED AGGREGATE MATERIALS.
B	EMBEDMENT STONE: FILL SURROUNDING THE CHAMBERS FROM THE FOUNDATION STONE ('A' LAYER) TO THE 'C' LAYER ABOVE.	CLEAN, CRUSHED, ANGULAR STONE	AASHTO M43[1] 3, 4	NO COMPACTION REQUIRED.
A	FOUNDATION STONE: FILL BELOW CHAMBERS FROM THE SUBGRADE UP TO THE FOOT (BOTTOM) OF THE CHAMBER.	CLEAN, CRUSHED, ANGULAR STONE	AASHTO M43[1] 3, 4	PLATE COMPACT OR ROLL TO ACHIEVE A FLAT SURFACE. [2,3]

NOTE:
1. THE LISTED AASHTO DESIGNATIONS ARE FOR GRADATIONS ONLY. THE STONE MUST ALSO BE CLEAN, CRUSHED, ANGULAR. FOR EXAMPLE, A SPECIFICATION FOR #4 STONE WOULD STATE "CLEAN, CRUSHED ANGULAR NO. 4 (AASHTO M43) STONE".
2. STORMTECH COMPACTION REQUIREMENTS ARE MET FOR 'A' LOCATION MATERIALS WHEN PLACED AND COMPACTED IN 9" (230 mm) (MAX) LIFTS USING TWO FULL COVERAGES WITH A VIBRATORY COMPACTOR.
3. WHERE INFILTRATION SURFACES MAY BE COMPROMISED BY COMPACTION, FOR STANDARD DESIGN LOAD CONDITIONS, A FLAT SURFACE MAY BE ACHIEVED BY RAKING OR DRAGGING WITHOUT COMPACTION EQUIPMENT. FOR SPECIAL LOAD DESIGNS, CONTACT STORMTECH FOR COMPACTION REQUIREMENTS.

(2) STORMTECH ACCEPTABLE FILL MATERIALS



CUSTOM PRECORED INVERTS ARE AVAILABLE UPON REQUEST. INVENTORIED MANIFOLDS INCLUDE 12-24" (300-600 mm) SIZE ON SIZE AND 15-48" (375-1200 mm) ECCENTRIC MANIFOLDS. CUSTOM INVERT LOCATIONS ON THE MC-4500 END CAP CUT IN THE FIELD ARE NOT RECOMMENDED FOR PIPE SIZES GREATER THAN 10" (250 mm). THE INVERT LOCATION IN COLUMN 'S' ARE THE HIGHEST POSSIBLE FOR THE PIPE SIZE.



(3) TECHNICAL SPECIFICATIONS

NOMINAL CHAMBER SPECIFICATIONS

SIZE (W X H X INSTALLED LENGTH)	100.0" X 60.0" X 48.3"
CHAMBER STORAGE	106.5 CUBIC FEET
MINIMUM INSTALLED STORAGE*	182.6 CUBIC FEET
WEIGHT	130.0 lbs.

NOMINAL END CAP SPECIFICATIONS

SIZE (W X H X INSTALLED LENGTH)	90.2" X 59.4" X 30.7"
END CAP STORAGE	35.7 CUBIC FEET
MINIMUM INSTALLED STORAGE*	108.7 CUBIC FEET
WEIGHT	135.0 lbs.

*ASSUMES 12" STONE ABOVE, 9" STONE FOUNDATION AND BETWEEN CHAMBERS, 12" STONE PERIMETER IN FRONT OF END CAPS AND 40% STONE POROSITY.

STUBS AT BOTTOM OF END CAP FOR PART NUMBERS ENDING WITH "B" STUBS AT TOP OF END CAP FOR PART NUMBERS ENDING WITH "T" END CAPS WITH A WELDED CROWN PLATE END WITH "C" END CAPS WITH A PREFABRICATED WELDED STUB END WITH "W"

PART #	STUB	B	C
MC4500REPE06T	6"	42.54"	----
MC4500REPE06B		----	0.86"
MC4500IBPE08T	8"	40.50"	----
MC4500REPE08B		----	1.01"
MC4500REPE10T	10"	38.37"	----
MC4500REPE10B		----	1.33"
MC4500REPE12T	12"	35.69"	----
MC4500REPE12B		----	1.55"
MC4500NEPE15T	15"	32.72"	----
MC4500IBPE15B		----	1.70"
MC4500REPE18TC	18"	29.35"	----
MC4500REPE18TW			
MC4500REPE18BC		----	1.97"
MC4500REPE18BW			
MC4500REPE24TC	24"	23.05"	----
MC4500REPE24TW			
MC4500REPE24BC		----	2.26"
MC4500IBPE24BW			
MC4500REPE30BC	30"	----	2.95"
MC4500REPE36BC	36"	----	3.25"
MC4500REPE42BC	42"	----	3.55"

NOTE: ALL DIMENSIONS ARE NOMINAL.

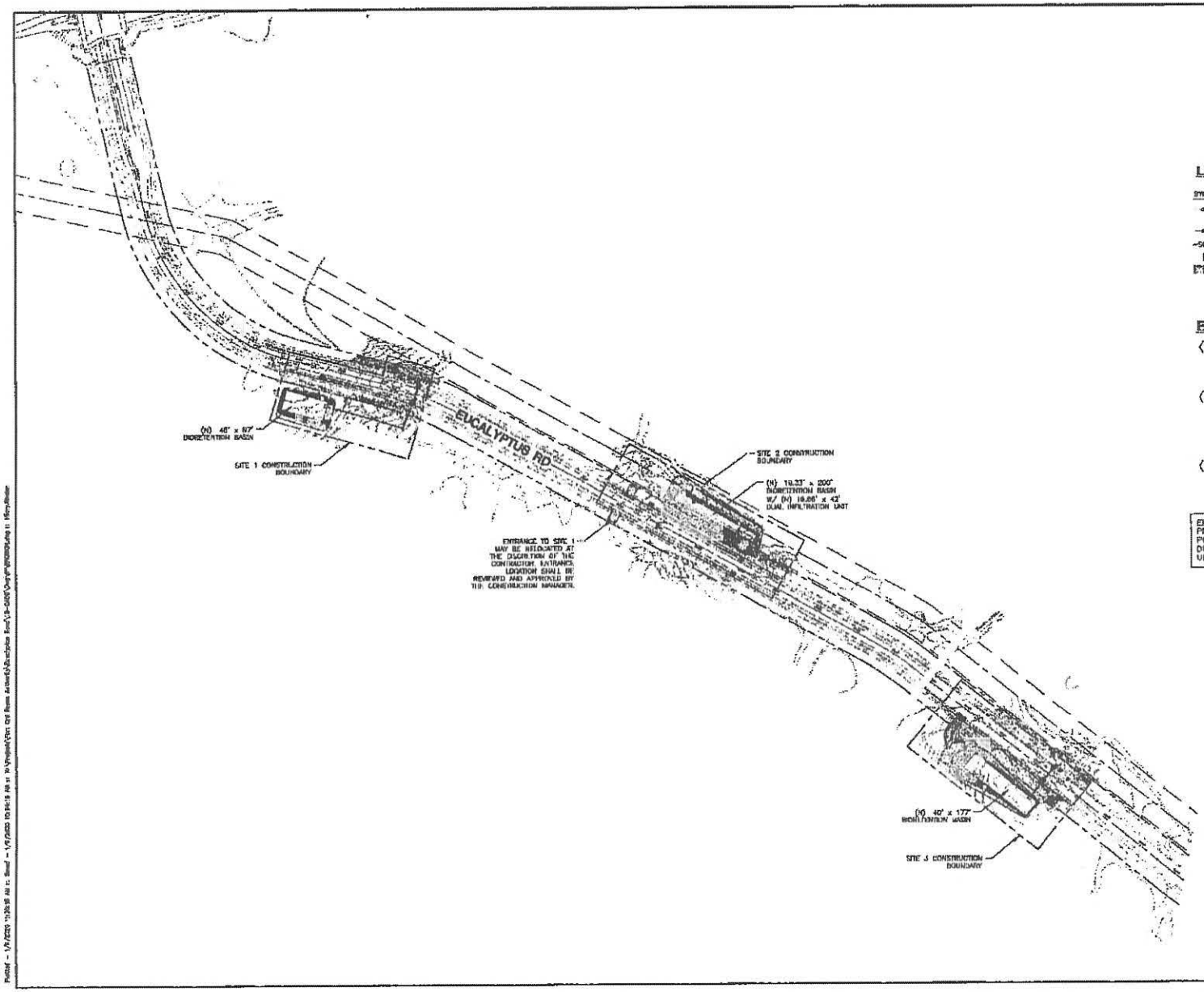
NOTE: STORM CHAMBERS SHALL BE STORMTECH MC-4500 OR APPROVED EQUAL.

HARRIS & ASSOCIATES

EUCALYPTUS ROAD INFILTRATION UNIT REPAIRS
STORMTECH MC-4500 DETAILS
CITY OF SEASIDE MONTEREY COUNTY CALIFORNIA

DRAWING NUMBER: CD-03
SHEET NUMBER: 8 OF 9

DRAFT FINAL SUBMITTAL



LEGEND:

SYMBOL	CALTRANS BMP #	DESCRIPTION
	SC-1, SC-6, SC-8	FIBER ROLLS
	SC-1	SILT FENCE
	SC-7	STREET SWEEPING
	SC-10	INLET PROTECTION
	SC-10	STABILIZED CONSTRUCTION ENTRANCE/EXIT ON TIRE WASH

EROSION CONTROL NOTES:

1. EROSION CONTROL BMP'S SHOWN ON THIS PLAN ARE REPRESENTATIVE OF THE TYPE OF EROSION CONTROL, PROTECTIVE MEASURES, INSTALLATION, LOCATION AND FREQUENCY OF BMP'S SHALL FOLLOW THE RECOMMENDATIONS OF THE CALTRANS BMP MANUAL AND SOUND JUDGEMENT.
2. UNDERGROUND INFILTRATION CHAMBERS: INSTALL SILT FABRIC ON THE CATCH BASIN IMMEDIATELY UPSTREAM OF INFILTRATION CHAMBERS SO THAT SEDIMENT DOES NOT ENTER CHAMBERS DURING CONSTRUCTION. REMOVE PRIOR AFTER SITE HAS BEEN STABILIZED, AND NOT UNTIL WRITTEN APPROVAL BY THE ENGINEER IS RECEIVED.
3. IMMEDIATELY PRIOR TO THE FINAL CONTRACT ACCEPTANCE, INSPECT AND REMOVE ALL TRASH, DEBRIS, AND SEDIMENT WHICH HAS ACCUMULATED IN THE STORM WATER FACILITIES, INCLUDING CATCH BASINS.

ENGINEERING ESTIMATES & FEASIBILITY IN PREPARATION FOR PROCUREMENT OF A POTENTIAL CONSTRUCTION CONTRACT. DOCUMENT EXEMPT FROM PUBLIC DISCLOSE UNTIL CONTRACT IS FULLY OBTAINED.

GRAPHIC SCALE:
1" = 100'

HARRIS & ASSOCIATES
450 Lincoln Avenue, Suite 103 Salinas, CA 93901

EUCALYPTUS ROAD INFILTRATION
UNIT REPAIRS
EROSION CONTROL PLAN
CITY OF SEASIDE MONTEREY COUNTY CALIFORNIA

EC-01
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DRAFT FINAL SUBMITTAL

EXHIBIT B

Project Documents to Transfer from FORA to City of Seaside

Jurisdiction: City of Seaside
Project: Eucalyptus Road Stormwater Infiltrator Repair Project

CATEG	AUTHOR	DATE	TITLE	ELECTRONIC COPY AVAILABLE
Origional Design - Eucalyptus Roadway Improvement				
	C&D	Various	Design Drawings - Phase 1, 2, 3 (pdf versions)	✔
	C&D	2011	Selected Sheets - Eucalyptus Roadway - Phase 3 Record Drawings - Sheets 6, 7 and 8	✔
Environmental Documentation				
	The following documents are found on the FORA website https://www.fora.org/Board/2014/Packet/Additional/031414Item8a-AttachF11-1/Attachment%20H.pdf			
	FORA/PMC & C&E	2005	Environmental Assessment/Initial Study for General Jim Moore Boulevard and Eucalyptus Roadway Improvement	✔
	FORA	2005	Appendix D: Finding of No Significant Impact (FONSI) / Negative Declaration (ND)	✔
Failure Analysis				
	Parikh	6/30/2017	Preliminary Geotechnical Memorandum for Eucalyptus Road Infiltrators	✔
City of Seaside Communication				
	FORA	3/19/2019	Letter, Meeting Minutes of meeting between Seaside and FOR A on March 11, 2019 regarding Eucalyptus Road Infiltrator Repair Project	✔
	Rick Riedl, City Seaside	11/6/2019	Letter: Eucalyptus Infiltrator Repair Project, Review of 60% Design Documents from Harris & Associates	✔
	FORA	12/10/2019	Letter: Eucalyptus Roadway Infiltrator Repair Project, Response to Comments	✔
	FORA	2/27/2020	Power Point Presentation: Seaside Coordination Meeting on CIP Projects	✔

CATEG	AUTHOR	DATE	TITLE	ELECTRONIC COPY AVAILABLE
General Background Info				
	Various	Various	https://www.fortordcleanup.com/documents/search/	
	Arcadis/Weston Solutions	11/5/2019	Final Programmatic On-Call Construction Support Plan, Roadways and Utilities, Seaside Munitions Response Area (CSP)	✓
	DTSC	11/16/2019	Approval of Programmatic Seaside MRA CSP	✓
	FORA	12/13/2019	PowerPoint Presentation to FORA Board, Eucalyptus Road Infiltrator Repair Project	✓
	FORA	12/13/2019	FORA Board Report Item 8c	✓
Stormwater Infiltrator Repair Design Background				
	Harris & Associates	6/4/2018	Recommendation Letter to FORA regarding Infiltrators	✓
	Harris & Associates	10/29/2019	Memorandum to FORA regarding Design Basis for Infiltrator Repair	✓
	Harris &	Various	Storm Drain Flow/Capacity Evaluation	✓
Repair Design Package, Bid Documents, & Specs				
	Harris & Associates	10/18/2019	60% Design Plans, Specifications, and Opinion of Probable Construction Cost	✓
	Harris & Associates	12/1/2019	90% Design Plans, Specifications, and Opinion of Probable Construction Cost	✓
	Harris &	1/24/2020	Draft Final Design Plans	✓
	Harris & Associates	TBD	Final Design and Bid Package, Stormwater Infiltrator Repair, Eucalyptus Road	
	Whitson Engineer	12/6/2019	Peer Review by Whitson Engineers	✓
Data	Harris &	TBD	dwg CAD files	
	Whitson Engineer	5/8/2020	Topographic/Ortho Topo dwg CAD files	✓

Other Information

Additional documents are available for transfer in the event the City of Seaside does not already have copies. FORA and the City of Seaside are working together to finalize an execution plan for information transfer. These files will include final design documents and electronic data files as appropriate.