FOR REDUCED PLANS
ORIGINAL SCALE IS IN INCHES 0 1 2 3

MARINA COAST WATER DISTRICT

SANITARY SEWER LIFT STATION REHABILITATION

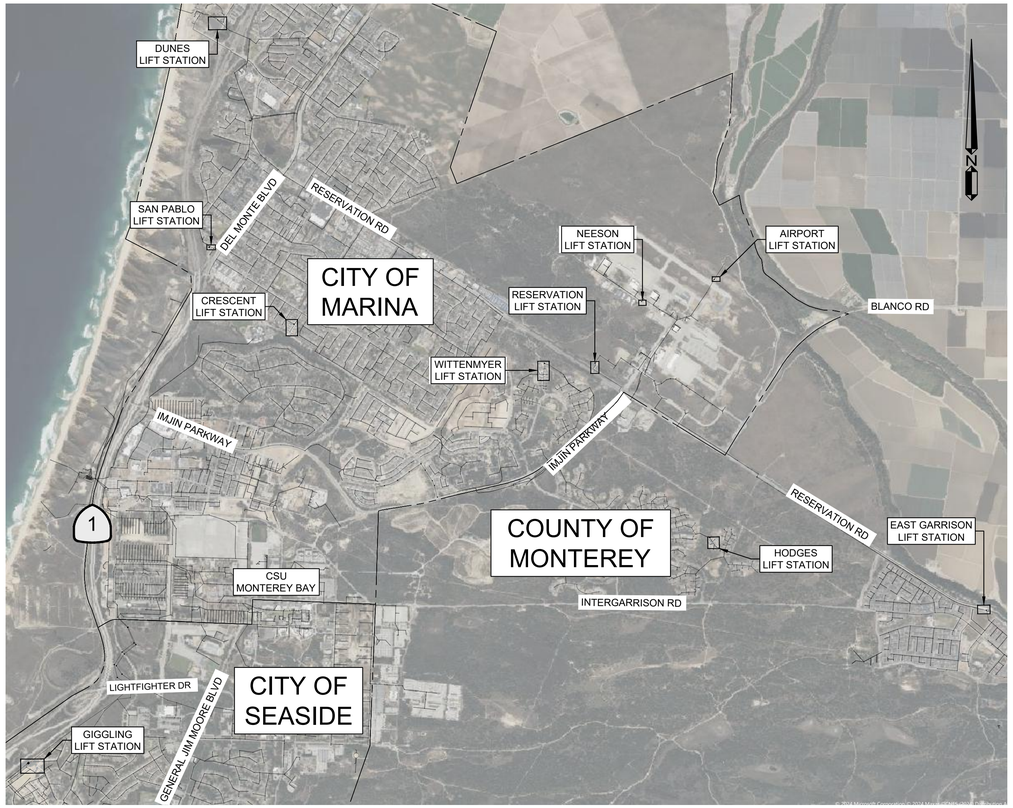
CIP GS-2531 / GS-2532

MARINA, CA 93933

MONTEREY COUNTY

GENERAL NOTES

1. THESE PLANS ARE PART OF A SET OF CONTRACT DOCUMENTS AND SHALL NOT BE CONSIDERED THE SOLE SOURCE OF CONSTRUCTION INFORMATION. ALL CONSTRUCTION WORK AND INSTALLATIONS SHALL CONFORM TO THE MARINA COAST WATER DISTRICT (MCWD/OWNER), THE CITY OF MARINA, THE CITY OF SEASIDE , AND THE COUNTY OF MONTEREY (COUNTY) STANDARD DRAWINGS AND SPECIFICATIONS, THE CONTRACT DOCUMENTS, AND WORK SHALL BE SUBJECT TO THE APPROVAL OF MCWD, THE COUNTY, CALIFORNIA STATE UNIVERSITY AT MONTEREY BAY (CSUMB), AND THE CITIES OF MARINA AND SEASIDE.
2. THE CONTRACTOR SHALL HAVE COPIES OF THE APPROVED CONTRACT DOCUMENTS FOR THIS PROJECT ON SITE AT ALL TIMES AND SHALL BE FAMILIAR WITH ALL APPLICABLE STANDARDS AND SPECIFICATIONS.
3. THE CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE DURING THE COURSE OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD THE ENGINEER AND OWNER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPT FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR ENGINEER, OR THIRD PARTY IN VIOLATION OF THE LAW OR IN TRESPASS. THE CONTRACTOR SHALL PRACTICE SAFETY AT ALL TIMES AND SHALL FURNISH, ERECT, AND MAINTAIN, SUCH FENCES, BARRICADES, LIGHTS, AND SIGNS NECESSARY TO GIVE ADEQUATE PROTECTION TO THE PUBLIC AT ALL TIMES.
4. INFORMATION PERTAINING TO EXISTING UNDERGROUND FACILITIES IS BASED ON RECORD INFORMATION AND IS AS SHOWN FOR INFORMATIONAL PURPOSES ONLY. UNDERGROUND FEATURES SHOWN IN PLAN VIEW ON THE PLANS ARE INDICATED WITH THEIR APPROXIMATE LOCATION AND EXTENT, AND MAY NOT APPEAR IN PROFILE OR SECTION VIEWS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL AGENCIES INVOLVED AND SHALL LOCATE ALL FACILITIES PRIOR TO EXCAVATION IN ANY AREA. THE CONTRACTOR SHALL CALL UNDERGROUND SERVICE ALERT (USA), TOLL FREE AT 1-800-642-2444, MCWD, THE CITY OF MARINA, THE CITY OF SEASIDE, THE COUNTY, AND CSUMB (COLLECTIVELY REFERRED TO AS THE AGENCIES), 3 WORKING DAYS PRIOR TO THE START OF CONSTRUCTION.
5. THE CONTRACTOR SHALL CONTINUALLY REVIEW JOB SITE CONDITIONS. CONDITIONS REQUIRING CONSTRUCTION DIFFERENT FROM THAT SHOWN ON THE PLANS SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY AND PRIOR TO PROCEEDING WITH THE AFFECTED CONSTRUCTION.
6. THESE DRAWINGS REPRESENT THE FINISHED CONDITION AND UNLESS OTHERWISE INDICATED, THEY DO NOT SHOW THE METHOD OF CONSTRUCTION.
7. ALL IMPROVEMENTS SHOWN OR INDICATED ON THESE DRAWINGS ARE TO BE CONSTRUCTED AND/OR INSTALLED BY THE CONTRACTOR IN THIS PROJECT, UNLESS THEY ARE CALLED OUT AS: "EXISTING", "FUTURE", "NIC", "NOT A PART", OR HAVE SOME OTHER EXCLUDING NOTATION.
8. THE CONTRACTOR SHALL KEEP A SET OF PROJECT DRAWINGS ON WHICH RECORD INFORMATION SHALL BE PLACED NOTING DEVIATIONS FROM THE PLANS IN THE LOCATION, GRADE, SIZE, TYPE, AND SCOPE OF WORK WHICH IS CONSTRUCTED.
9. OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA) REQUIREMENTS AND STANDARDS SHALL BE OBSERVED AT THE JOB SITE AT ALL TIMES.
10. CONTRACTOR SHALL ORGANIZE A PRE-CONSTRUCTION MEETING PRIOR TO COMMENCEMENT OF WORK. THE MEETING SHALL INCLUDE (AT A MINIMUM) THE OWNER/REPRESENTATIVE, CONTRACTORS, ENGINEER OF RECORD, SOILS ENGINEER, PERTINENT UTILITY COMPANIES, AND SURVEYOR.
11. NO TOPOGRAPHIC INFORMATION HAS BEEN DELINEATED ON THESE PLANS.
12. NO CONSTRUCTION SHALL BE STARTED WITHOUT PLANS APPROVED BY THE AGENCIES. THE AGENCIES SHALL BE NOTIFIED AT LEAST 3 WORKING DAYS PRIOR TO START OF CONSTRUCTION. ANY CONSTRUCTION DONE WITHOUT APPROVED PLANS OR PRIOR NOTIFICATION TO THE AGENCIES WILL BE REJECTED AND WILL BE AT THE CONTRACTOR'S RISK.
13. SOILS TESTS, IF APPLICABLE, SHALL BE DONE IN ACCORDANCE WITH THE TECHNICAL SPECIFICATIONS. ALL TESTS MUST BE MADE WITHIN 15 DAYS PRIOR TO THE PLACEMENT OF MATERIAL. THE TEST RESULTS SHALL CLEARLY INDICATE THE LOCATION AND SOURCE OF THE MATERIAL.
14. COMPACTION TESTS, IF APPLICABLE, SHALL BE MADE ON SUB-GRADE MATERIAL AND MATERIAL IN ACCORDANCE WITH THESE DRAWINGS AND THE SPECIFICATIONS. SAID TESTS SHALL BE MADE PRIOR TO THE PLACEMENT OF THE NEXT MATERIAL.
15. THE ENGINEER OF RECORD SHALL PERFORM PERIODIC REVIEWS OF COMPLETED WORK TO DETERMINE GENERAL CONFORMANCE WITH THE APPROVED PLANS. THE CONTRACTOR SHALL CORRECT ANY DIFFERENCES FOUND BY SUCH SURVEY AND WILL PROVIDE ALL CONTRACTOR'S RECORDS KEPT DURING THE COURSE OF CONSTRUCTION TO THE ENGINEER OF RECORD FOR PREPARATION OF RECORD DRAWINGS.
16. THE MCWD INSPECTOR ACTING ON BEHALF OF MCWD MAY REQUIRE REVISIONS IN THE PLANS TO RESOLVE UNFORESEEN PROBLEMS THAT MAY ARISE IN THE FIELD. ALL REVISIONS SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER OF RECORD.
17. THE ENGINEER OF RECORD MUST VERIFY THAT THE IMPROVEMENTS, WHEN COMPLETED, ARE IN CONFORMANCE WITH THE PLANS PRIOR TO THE REQUEST FOR FINAL INSPECTION. RECORD DRAWINGS ARE TO BE PREPARED FOLLOWING THE REQUIREMENTS DEFINED IN THE TECHNICAL SPECIFICATIONS. THE CIVIL ENGINEER PREPARING THE RECORD DRAWING PLANS WILL BE PRESENT WHEN THE FINAL INSPECTION IS MADE.
18. ALL PERTINENT UTILITY COMPANIES SHALL BE NOTIFIED PRIOR TO THE START OF CONSTRUCTION.
19. IF CONTRACTOR DECIDES TO UTILIZE AREAS OUTSIDE OF MCWD PROPERTY FOR MATERIAL AND EQUIPMENT STORAGE, OR OTHER ACTIVITIES ASSOCIATED WITH THE WORK, ENCROACHMENT PERMITS MAY BE REQUIRED FROM THE AGENCY HAVING JURISDICTION (COUNTY OF MONTEREY, CITY OF MARINA, CITY OF SEASIDE, AND/OR CSUMB). CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PERMITS, COORDINATION, AND COSTS ASSOCIATED WITH SUCH STORAGE AREAS.
20. CONSTRUCTION ACTIVITY SHALL BE LIMITED TO THE HOURS OF 7:00AM TO 5:00PM MONDAY THROUGH FRIDAY UNLESS APPROVED BY MCWD.



VICINITY MAP

NTS

APPROVED BY:

JACK GAO, PMP
SENIOR PROJECT MANAGER
MARINA COAST WATER DISTRICT

Rev.	Date	Description of Revisions	By

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

Sheet List Table

Sheet Number	Sheet Title
C-1.0	COVER AND NOTES
C-1.1	CIP GS-2531 SITE PLAN
C-1.2	CIP GS-2532 SITE PLAN
C-2.0	EROSION CONTROL PLAN
C-2.1	EROSION CONTROL PLAN DETAILS
C-2.2	EROSION CONTROL PLAN BMPs

LEGEND

EXISTING	PROPOSED	DESCRIPTION
(100.0 FS)	101.50 FS	SPOT ELEVATIONS
		SEWER MANHOLE
		SEWER CLEANOUT
E	E	SERVICE LATERAL (W=WATER, G=GAS, U=UTILITIES)
		SEWER LATERAL
		SURVEY MONUMENT
BPT		BENCH MARK
(2.00) %	2.00 %	SLOPE PERCENTAGE
PP		POWER POLE
		ABANDON UTILITY
		EDGE OF PAVEMENT
O/H		OVERHEAD UTILITY LINE
WL	WL	WATER LINE
	SSFM	SEWER FORCE MAIN
SS	SS	GRAVITY SEWER LINE
	SD	STORM DRAIN
GAS	GAS	UNDERGROUND GAS LINE
UTL	UTL	UNDERGROUND UTILITY LINE LOCATION
ELE	ELE	UNDERGROUND ELECTRICAL LINE
CTV	CTV	UNDERGROUND CABLE TELEVISION LINE
TEL	TEL	UNDERGROUND TELEPHONE LINE
		RIGHT OF WAY
		EASEMENT
		CENTERLINE
X X	X X X	BARBED WIRE FENCE
O O	O O O	CHAIN LINK FENCE
□ □	□ □ □	PRIVATE FENCE

ABBREVIATIONS

AC	ASPHALTIC CONCRETE
ACP	ASBESTOS CEMENT PIPE
AVG	AVERAGE
BF	BLIND FLANGE
BLDG	BUILDING
BM	BENCH MARK
C	CURB
CL	CENTERLINE
CL	CLASS
CMP	CORRUGATED METAL PIPE
CO	CLEANOUT
CONC	CONCRETE
CONST	CONSTRUCTION
CONT	CONTINUOUS
CP	CATHODIC PROTECTION
CPLG	COUPLING
CY	CUBIC YARD
DET	DETAIL
DI	DUCTILE IRON (PIPE)
DIA	DIAMETER
DIM	DIMENSION
D/W	DRIVEWAY
EA	EACH
ELE	ELEVATION
EP	EDGE OF PAVEMENT
EX	EXISTING
EG	EXISTING GROUND
FCA	FLANGE COUPLING ADAPTOR
FF	FINISH FLOOR
FG	FINISH GRADE
FL	FLOW LINE
FLG	FLANGE
FS	FINISH SURFACE
FT	FEET
G	GAS
GA	GAGE
GAL	GALLON
GALV	GALVANIZED
GB	GRADE BREAK
GPD	GALLONS PER DAY
GPM	GALLONS PER MINUTE
HDPE	HIGH DENSITY POLYETHYLENE
HGL	HYDRAULIC GRADE LINE
ID	INSIDE DIAMETER
IN	INCHES
INV	INVERT
L	LENGTH
LAT	LATERAL
LF	LINEAR FEET
LP	LIGHT POLE
LS	LIFT STATION
LT	LEFT
M	METER
MAX	MAXIMUM
MIN	MINIMUM
MISC	MISCELLANEOUS
MH	MANHOLE
N/A	NOT APPLICABLE
NC	NORMALLY CLOSED
NGVD	NATIONAL GEODETIC VERTICAL DATUM
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
OD	OUTSIDE DIAMETER
PCC	PORTLAND CEMENT CONCRETE
PH	POTHOLE (UTILITY WAS POTHOLED)
POC	POINT OF CONNECTION
PP	POWER POLE
PSF	POUND PER SQURE FOOT
PSI	POUND PER SQUARE INCH
PVC	POLYVINYL CHLORIDE
R	RADIUS
RC	REINFORCED CONCRETE
RCP	REINFORCED CONCRETE PIPE
RD	ROAD
REQD	REQUIRED
RT	RIGHT
R/W	RIGHT OF WAY
SS	SANITARY SEWER
SCH	SCHEDULE
SD	STORM DRAIN
SHT	SHEET
SPEC	SPECIFICATIONS
SSFM	SANITARY SEWER FORCE MAIN
ST	STREET
STA	STATION
STD	STANDARD
STL	STEEL
SV	SOLENOID VALVE
SW	SIDEWALK
T	TELEPHONE
TB	THRUST BLOCK
TB	TOP OF BANK
TC	TOP OF CURB
TF	TOP OF FOOTING
TG	TOP OF GRATE
TP	TOP OF PAVEMENT
TYP	TYPICAL
TW	TOP WALL
UTL	COMMON TRENCH UTILITIES
VAR	VARIES
VIC	VICTAULIC COUPLING
VERT	VERTICAL
W	WATER
WF	WIDE FLANGE
WL	WATER LINE
WM	WATER METER
WS	WATER SERVICE
WV	WATER VALVE
WWM	WELDED WIRE MESH
WW	WET WELL

*NOTE: THIS IS A STANDARD SET OF ABBREVIATIONS.
NOT ALL ABBREVIATIONS SHOWN WILL APPLY TO THIS WORK.

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REGISTERED PROFESSIONAL ENGINEER
ZACHARY C. MARKOW
No. 92952
CIVIL
STATE OF CALIFORNIA

SIGNATURE

DATE SIGNED

MARINA COAST WATER DISTRICT
SANITARY SEWER LIFT STATION REHABILITATION
COVER AND NOTES

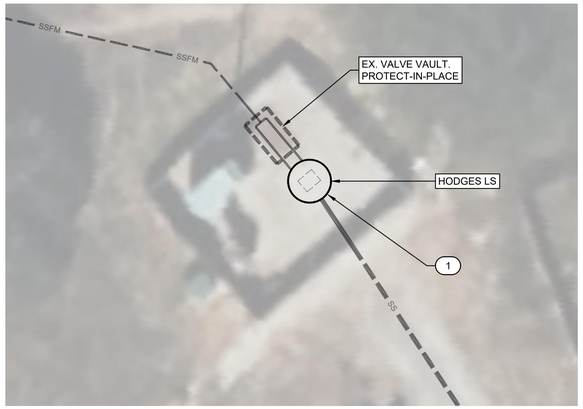
JOB #: 1045-0007-00
DESIGNERS: ZCM
DRAWN BY: ZCM
DATE: 02/21/25

DRAWING NO.
C-1.0
1 OF 6 SHEETS

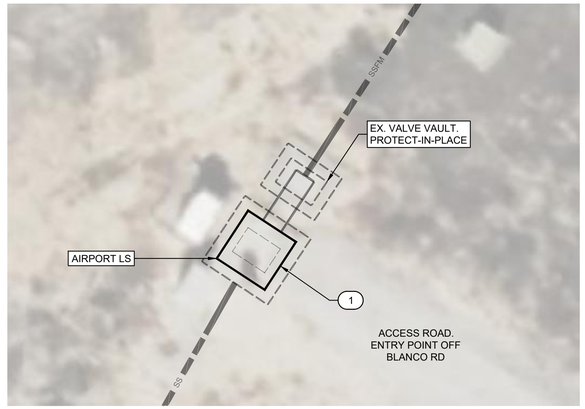
FOR REDUCED PLANS
ORIGINAL SCALE IS IN INCHES 0 1 2 3

REFERENCE NOTES: (XX)

1	LINE EX. LIFT STATION WETWELL WITH EPOXY COATING PER SPECIFICATION SECTION 09 90 00. REFER TO TABLE 1, THIS SHEET, FOR EX. WETWELL DIMENSIONS. CONTRACTOR TO VERIFY ALL DIMENSIONS PRIOR TO SUBMITTAL AND MATERIAL PROCUREMENT.

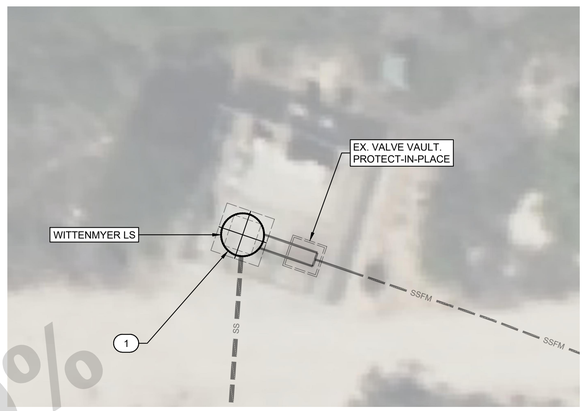


1 HODGES LIFT STATION
SCALE: 1" = 10'

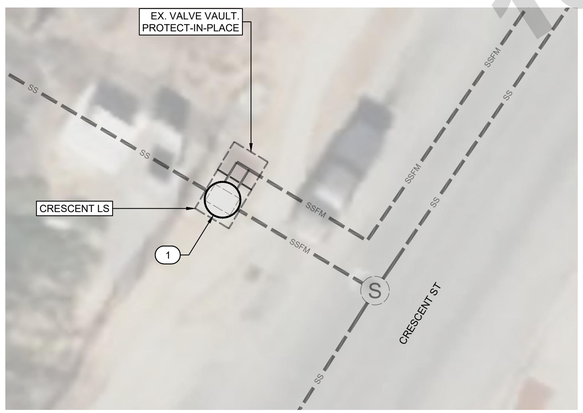


2 AIRPORT LIFT STATION
SCALE: 1" = 10'

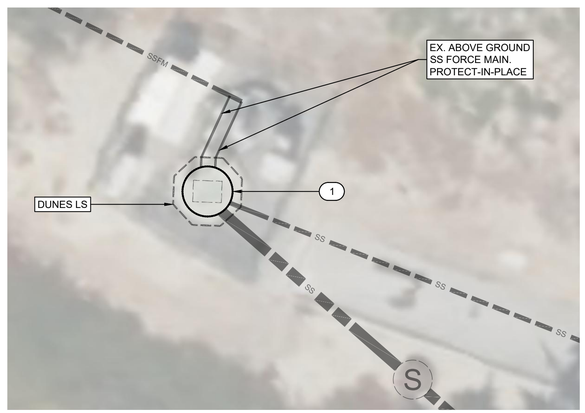
3 NEESON LIFT STATION
SCALE: 1" = 10'



4 WITTENMYER LIFT STATION
SCALE: 1" = 10'



5 CRESCENT LIFT STATION
SCALE: 1" = 10'



6 DUNES LIFT STATION
SCALE: 1" = 10'

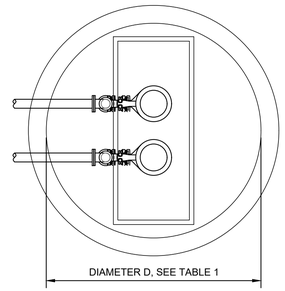
TABLE 1 - LIFT STATION LINING REHABILITATION

WETWELL ID	LEGACY ID	WETWELL SHAPE	DIA , D (FT)	LENGTH, L (FT)	WIDTH, W (FT)	DEPTH, H (FT)
HODGES LS	HODGES LS	CIRCULAR	6.0	N/A	N/A	13.0
AIRPORT LS	FRITZCHE LS	RECTANGULAR	N/A	8.0	8.0	11.0
NEESON LS	NEESON LS	RECTANGULAR	N/A	6.0	5.0	15.0
WITTENMYER LS	WITTENMYER LS	CIRCULAR	6.0	N/A	N/A	16.0
CRESCENT LS	LS 6	CIRCULAR	5.0	N/A	N/A	11.0
DUNES LS	LS 2	CIRCULAR	6.0	N/A	N/A	20.0

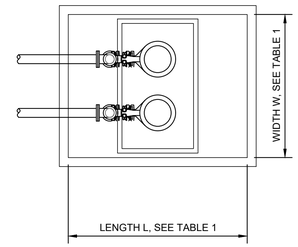
GENERAL NOTES:

1. AERIAL IMAGERY IS SOURCED FROM ESRI LANDSAT IMAGING, AND IS PROVIDED FOR REFERENCE ONLY.
2. SEWER INFRASTRUCTURE LOCATIONS AND SIZES ARE BASED ON AVAILABLE GIS DATA PROVIDED BY MARINA COAST WATER DISTRICT. CONTRACTOR TO VERIFY ALL DIMENSIONS AND MEASUREMENTS PRIOR TO SUBMITTAL AND ORDERING.
3. REFER TO SHEET C-1.2 FOR ANTICIPATED SEWER BYPASS FLOWS. REFER TO SPECIFICATION SECTION 33 31 20 FOR BYPASS REQUIREMENTS.

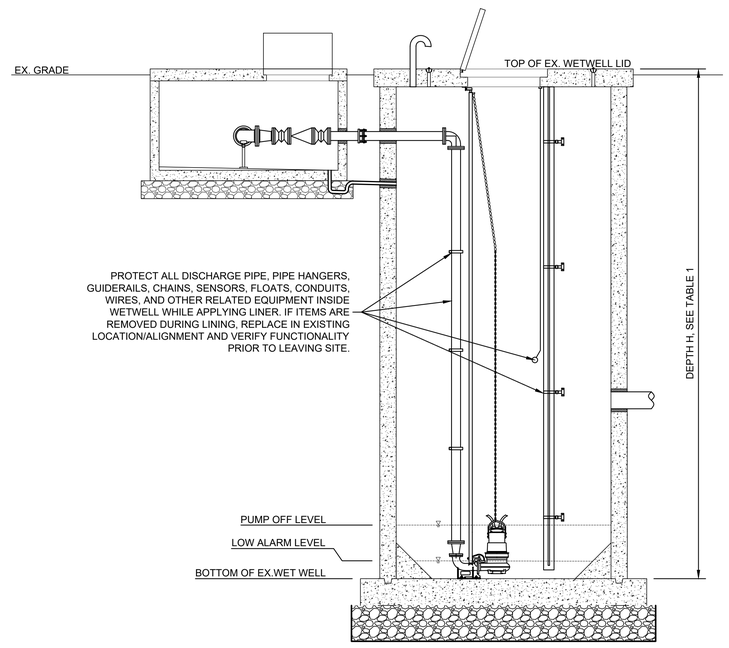
CIRCULAR WETWELLS



RECTANGULAR WETWELLS



7 TYPICAL LIFT STATION WETWELL PLAN VIEW
SCALE: 1" = 4'



8 TYPICAL LIFT STATION PROFILE VIEW
SCALE: 1" = 4'

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SIGNATURE

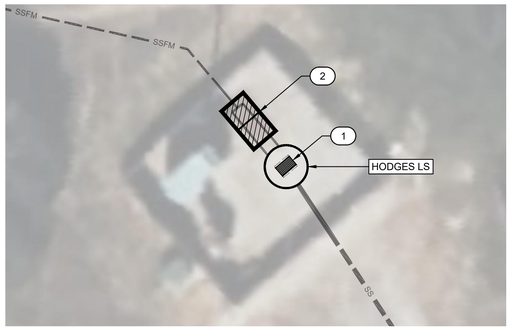
DATE SIGNED

MARINA COAST WATER DISTRICT
SANITARY SEWER LIFT STATION REHABILITATION
CIP GS-2531 SITE PLAN

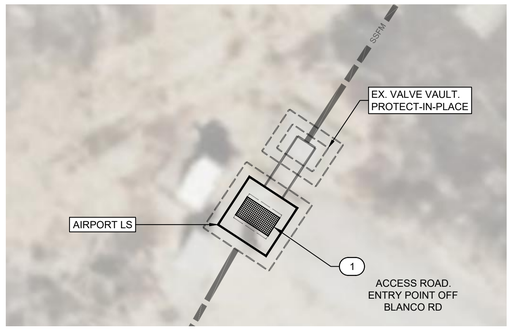
JOB #: 1045-0007-00
DESIGNERS: ZCM
DRAWN BY: ZCM
DATE: 02/21/25

DRAWING NO.
C-1.1
2 OF 6 SHEETS

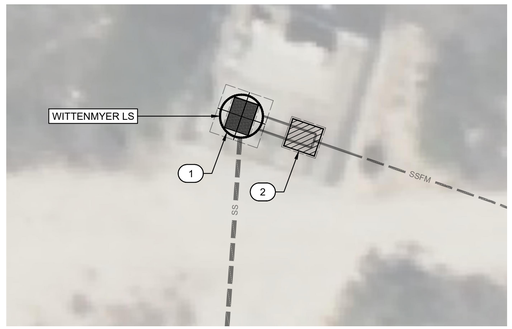
FOR REDUCED PLANS
ORIGINAL SCALE IS IN INCHES
0 1 2 3
5



1 HODGES LIFT STATION
SCALE: 1" = 10'



2 AIRPORT LIFT STATION
SCALE: 1" = 10'



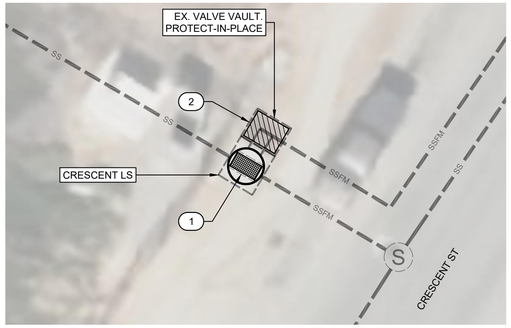
3 WITTENMYER LIFT STATION
SCALE: 1" = 10'

REFERENCE NOTES: (XX)

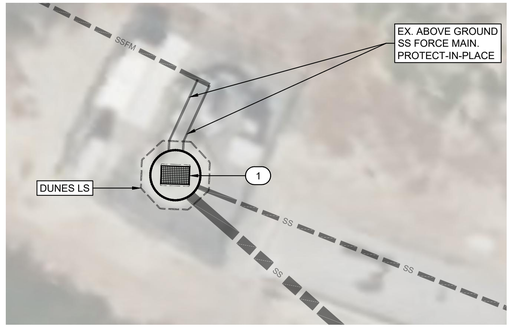
1	PROVIDE NEW WETWELL SAFETY GRATE IN EX. ACCESS DOOR OPENING PER SPECIFICATION SECTION 08 31 13. HALLIDAY SERIES X RETRO-GRATE OR APPROVED EQUAL. REFER TO TABLE 1, THIS SHEET, FOR EXISTING WETWELL ACCESS DOOR OPENING DIMENSIONS.
2	REPLACE EX. VALVE VAULT DOORS WITH NEW SPRING-ASSISTED, DUAL-LEAF TRAFFIC RATED ACCESS DOORS. HALLIDAY SERIES S2R, OR APPROVED EQUAL. REFER TO SPECIFICATION SECTION 08 31 13.
3	REPLACE EX. ACCESS DOOR WITH NEW SPRING-ASSISTED, DUAL-LEAF ACCESS DOORS. HALLIDAY SERIES S2R, OR APPROVED EQUAL. TIE NEW ACCESS DOOR FRAME INTO EX. PRE-CAST CONCRETE WETWELL LID. CONTRACTOR TO PROVIDE TIE-IN DETAIL IN ACCORDANCE WITH SPECIFICATION SECTION 08 31 13. ALL NEW WETWELL ACCESS DOORS SHALL BE EQUIPPED WITH SAFETY GRATES.

GENERAL NOTES :

1. CONTRACTOR TO VERIFY ALL DIMENSIONS OF WETWELL AND VAULT ACCESS DOORS AND FRAMES AND SAFETY GRATING PRIOR TO SUBMITTAL AND ORDERING.
2. ANTICIPATED SANITARY SEWER BYPASS FLOWS, PER LIFT STATION:
   - 2.1. HODGES LIFT STATION: 100 GPM
   - 2.2. AIRPORT LIFT STATION: 160 GPM
   - 2.3. WITTENMYER LIFT STATION: 140 GPM
   - 2.4. CRESCENT LIFT STATION: 100 GPM
   - 2.5. DUNES LIFT STATION: 1,150 GPM
   - 2.6. GIGGLING LIFT STATION: 900 GPM
   - 2.7. EAST GARRISON LIFT STATION: 250 GPM
   - 2.8. RESERVATION LIFT STATION: 710 GPM
   - 2.9. SAN PABLO LIFT STATION: 200 GPM
   - 2.10. NEESON LIFT STATION: 110 GPM



4 CRESCENT LIFT STATION
SCALE: 1" = 10'



5 DUNES LIFT STATION
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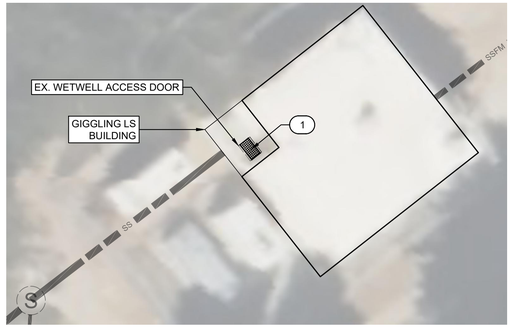
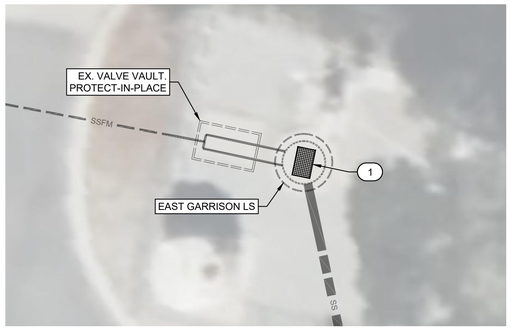
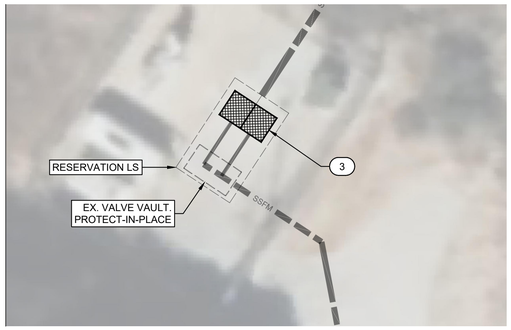


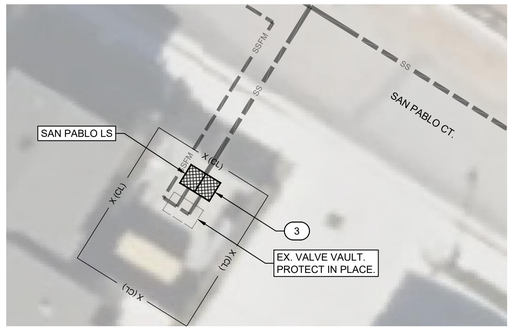
6 GIGGLING LIFT STATION
SCALE: 1" = 10'



7 EAST GARRISON LIFT STATION
SCALE: 1" = 10'

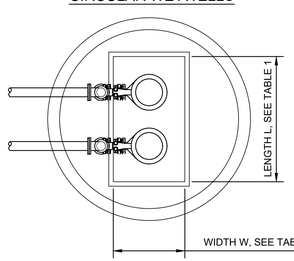


8 RESERVATION LIFT STATION
SCALE: 1" = 10'

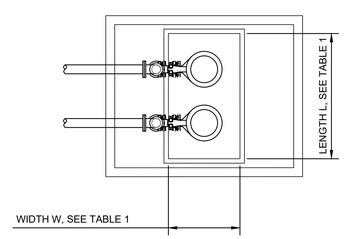


9 SAN PABLO LIFT STATION
SCALE: 1" = 10'

CIRCULAR WETWELLS



RECTANGULAR WETWELLS



10 WETWELL ACCESS DOOR DIMENSIONS - PLAN VIEW
SCALE: 1" = 4'

TABLE 1 - WETWELL ACCESS DOOR/SAFETY GRATE DIMENSIONS

WETWELL ID	LEGACY ID	DOOR STYLE	LENGTH, L (IN)	WIDTH, W (IN)
HODGES LS	HODGES LS	DOUBLE LEAF	60.0	48.0
AIRPORT LS	FRITZCHE LS	DOUBLE LEAF	62.5	46.0
WITTENMYER LS	WITTENMYER LS	DOUBLE LEAF	54.0	48.0
CRESCENT LS	LS 6	SINGLE LEAF	48.0	32.0
DUNES LS	LS 2	SINGLE LEAF	48.0	36.0
GIGGLING LS	GIGGLING LS	SINGLE LEAF	32.0	24.0
EAST GARRISON LS	EGLS	SINGLE LEAF	48.0	30.0
RESERVATION LS	RESERVATION LS	DOUBLE LEAF	72.0	48.0
SAN PABLO LS	LS 3	DOUBLE LEAF	58.0	36.0

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REGISTERED PROFESSIONAL ENGINEER
ZACHARY C. MARKOW
No. 92952
CIVIL
STATE OF CALIFORNIA

SIGNATURE

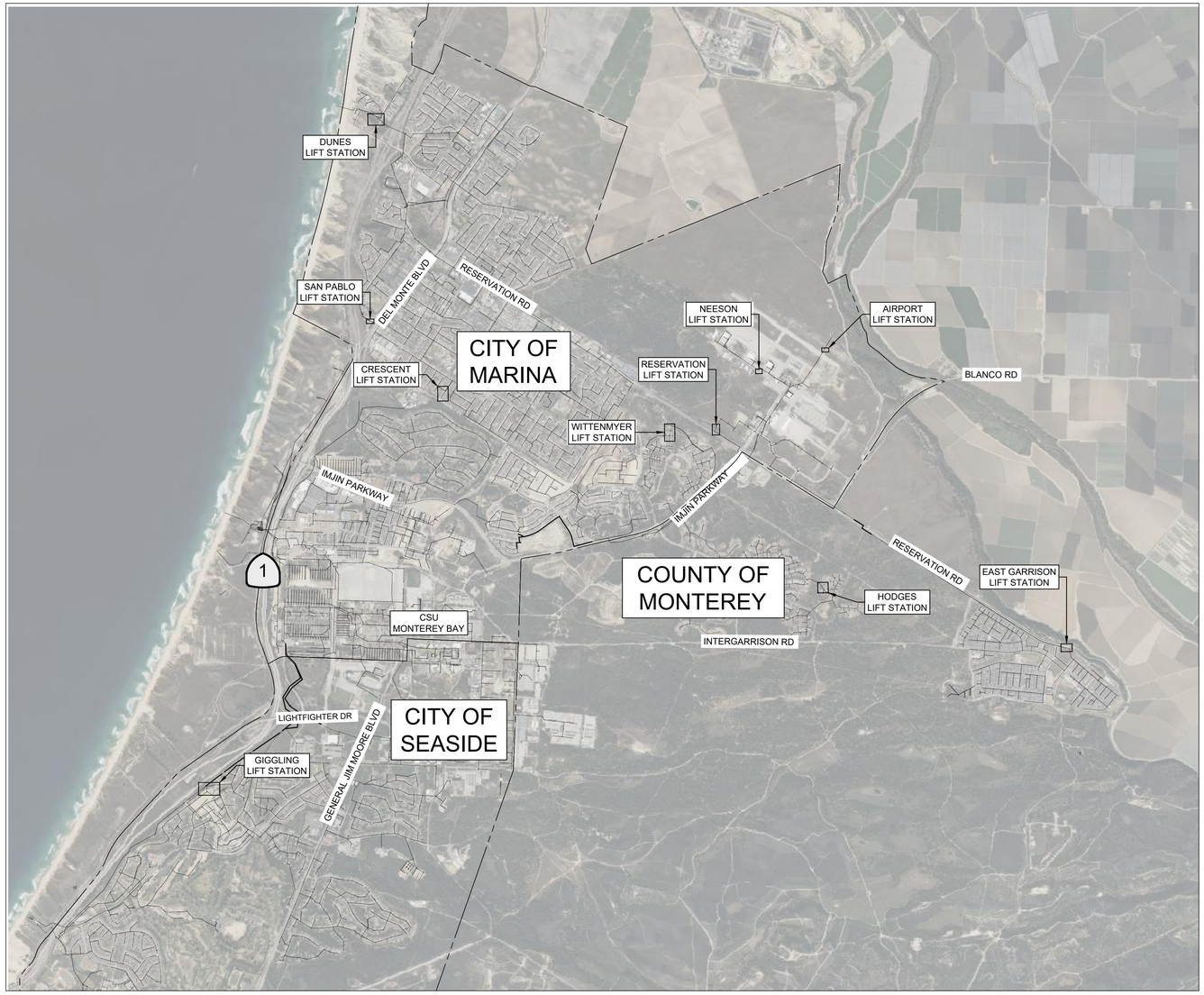
DATE SIGNED

MARINA COAST WATER DISTRICT
SANITARY SEWER LIFT STATION REHABILITATION
CIP GS-2532 SITE PLAN

JOB #: 1045-0007-00
DESIGNERS: ZCM
DRAWN BY: ZCM
DATE: 02/21/25

DRAWING NO.
C-1.2
3 OF 6 SHEETS

FOR REDUCED PLANS
ORIGINAL SCALE IS IN INCHES
0 1 2 3
5



1 EROSION, SEDIMENT, AND WATER CONTROL PLAN

GRAPHIC SCALE
0 2,000' 4,000'
(IN FEET)
1 IN = 2,000 FT

PROJECT SCOPE

1. REHABILITATION OF TEN (10) EXISTING SANITARY SEWER LIFT STATIONS. REHABILITATION EFFORTS INCLUDE:
   - 1.1. EPOXY LINING THE INTERIOR OF SIX (6) OF THE LIFT STATIONS, AS SHOWN IN THE PLANS.
   - 1.2. INSTALLING SAFETY GRATES IN THE EXISTING ACCESS DOORS OF SEVEN (7) OF THE LIFT STATION WETWELLS, AS SHOWN IN THE PLANS.
   - 1.3. REPLACING TWO (2) WETWELL ACCESS DOORS.
   - 1.4. REPLACING THREE (3) EXISTING VALVE VAULT ACCESS DOORS.

DISTURBED AREA

DISTURBED AREA WILL BE LIMITED TO THE LIMITS OF THE EXISTING LIFT STATIONS:

2,000 SF PER LIFT STATION X 10 LIFT STATIONS = 20,000 SF

TOTAL DISTURBED AREA = 20,000 SF (0.46 AC)

GENERAL NOTES:

1. ALL BMPs SHALL BE INSTALLED PER THE LATEST VERSION OF THE CALTRANS CONSTRUCTION SITE BEST MANAGEMENT PRACTICES (BMP) MANUAL AND DETAILS SHOWN IN SHEETS C-3.1 AND C-3.2.

EROSION AND SEDIMENT CONTROL NOTES:

1. CONSTRUCTION EQUIPMENT PARKING AND STORAGE, DRIP PANS REQUIRED. FOR FUELING AND MAINTENANCE, SEE REQUIRED BMP'S NS-9 AND NS-10, SHEET C-3.2.
2. CONSTRUCTION TRASH RECYCLING MUST BE COVERED WITH WATERTIGHT COVER AT ALL TIMES, WITH NO OVERFLOWS ALLOWED PER REQUIRED BMP WM-5. SEE SHEET C-3.2.
3. FUEL STORAGE/HAZMAT AREA WITH SECONDARY CONTAINMENT PER REQUIRED BMP'S PER REQUIRED BMPS WM-1, WM-2, WM-4, WM-5, WM-6, WM-7, AND WM-10. SEE SHEET C-3.2.
4. CONCRETE WASHOUT PER REQUIRED DETAIL WM-8. SEE SHEET C-3.2.
5. INSTALL PROTECTION AT ALL STORM DRAIN INLETS WITHIN 50' OF PROJECT DISTURBANCE PER REQUIRED BMPS SE-10. SEE SHEET C-3.2.
6. STOCKPILE MANAGEMENT PER BMP WM-3. SEE SHEET C-3.2.
7. STREET SWEEPING TO BE CONDUCTED TO REMOVE ANY SEDIMENT ON IMPERVIOUS SURFACES WITHIN 50' OF DISTURBANCE AND EQUIPMENT TRAVEL WAYS PER BMP SE-7, SHEET C-3.2. CONTRACTOR RESPONSIBLE FOR INSPECTING SITE DAILY AND REMOVING SEDIMENT AS REQUIRED.

DUST CONTROL NOTES:

1. THE CONTRACTOR SHALL TAKE EFFECTIVE ACTION TO PREVENT THE FORMATION OF AN AIRBORNE DUST NUISANCE AND SHALL BE RESPONSIBLE FOR ANY DAMAGE RESULTING FROM THEIR FAILURE TO DO SO. CONTRACTOR SHALL AT A MINIMUM PERFORM THE FOLLOWING MITIGATION MEASURES:
   - 1.1. WATERING OF DISTURBED AREAS DURING CONSTRUCTION TO MINIMIZE AIRBORNE DUST.
   - 1.2. STABILIZE DISTURBED AREA WITH EROSION CONTROL MEASURES DURING AND FOLLOWING CONSTRUCTION.
   - 1.3. TEMPORARY CONSTRUCION ENTRANCE / EXIT INSTALLED AT ALL UNPAVED ACCESS ROADS. ENTRANCE AND EXIT TO UNPAVED AREAS SHOULD BE LIMITED TO ONE PER SITE.

Rev.	Date	Description of Revisions	By

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DATE SIGNED

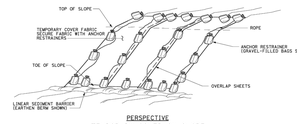
MARINA COAST WATER DISTRICT
SANITARY SEWER LIFT STATION REHABILITATION
EROSION CONTROL PLAN

JOB #: 1045-0007-00
DESIGNERS: ZCM
DRAWN BY: ZCM
DATE: 02/21/25

DRAWING NO.
C-2.0
4 OF 6 SHEETS

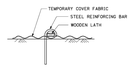
FOR REDUCED PLANS
ORIGINAL SCALE IS IN INCHES
0 1 2 3
5

352

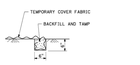


PERSPECTIVE
TEMPORARY COVER ON SLOPE

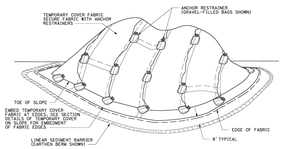
STEEL REINFORCING BAR DETAIL



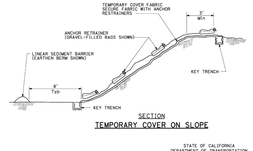
SECTION
ANCHOR RESTRAINER
(Steel bar and wooden lath)



SECTION
KEY TRENCH DETAIL



PERSPECTIVE
TEMPORARY COVER ON STOCKPILE



SECTION
TEMPORARY COVER ON SLOPE

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
TEMPORARY WATER POLLUTION CONTROL DETAILS (TEMPORARY COVER)
NO SCALE

T53

2023 STANDARD PLAN T53

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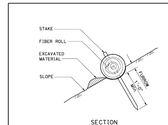
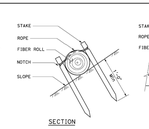
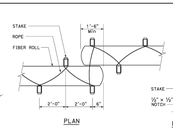


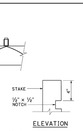
SECTION
TEMPORARY FIBER ROLL (TYPE 1)



SECTION
TEMPORARY FIBER ROLL (TYPE 2)

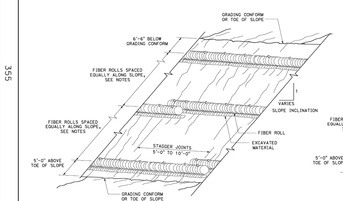


PLAN

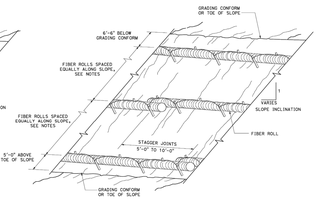


ELEVATION
STAKE NOTCH DETAIL

NOTES:
1. Temporary fiber roll spacing varies depending upon slope inclination.
2. Inclinations shown in the perspectives are for slope inclination of 1:01 and steeper.



PERSPECTIVE
TEMPORARY FIBER ROLL (TYPE 1)



PERSPECTIVE
TEMPORARY FIBER ROLL (TYPE 2)

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
TEMPORARY WATER POLLUTION CONTROL DETAILS (TEMPORARY FIBER ROLL)
NO SCALE

T56

2023 STANDARD PLAN T56

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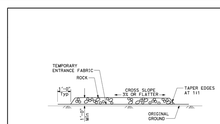
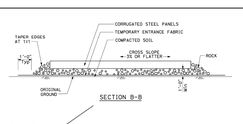
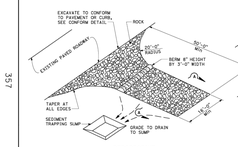


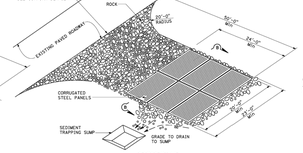
SECTION A-A



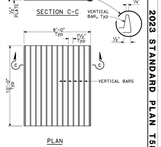
SECTION B-B



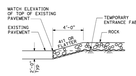
PERSPECTIVE
TEMPORARY CONSTRUCTION ENTRANCE (TYPE 1)



PERSPECTIVE
TEMPORARY CONSTRUCTION ENTRANCE (TYPE 2)



PLAN
TYPICAL CORRUGATED STEEL PANEL DETAIL



SECTION
CONFORM DETAIL

PLAN

ELEVATION
SEDIMENT TRAPPING SUMP

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
TEMPORARY WATER POLLUTION CONTROL DETAILS (TEMPORARY CONSTRUCTION ENTRANCE)
NO SCALE

T58

2023 STANDARD PLAN T58

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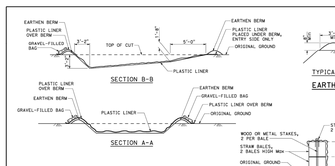
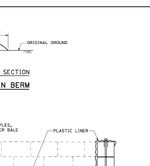
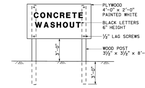


SECTION B-B

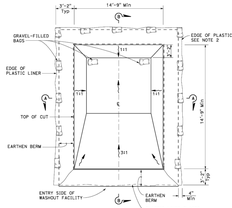
SECTION A-A



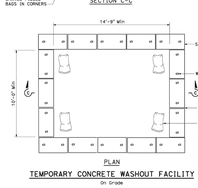
SECTION C-C



CONCRETE WASHOUT SIGN DETAIL



PLAN
TEMPORARY CONCRETE WASHOUT FACILITY
Below Grade



PLAN
TEMPORARY CONCRETE WASHOUT FACILITY
On Grade

STAPLE DETAIL

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
TEMPORARY WATER POLLUTION CONTROL DETAILS (TEMPORARY CONCRETE WASHOUT FACILITY)
NO SCALE

T59

2023 STANDARD PLAN T59

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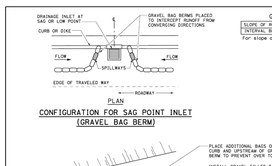
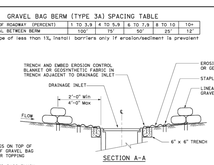


PLAN
CONFIGURATION FOR SAG POINT INLET (GRAVEL BAG BERM)

GRAVEL BAG BERM (TYPE 3A) SPACING TABLE

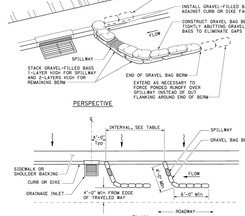
SLOPE OF ROADWAY (PERCENT)	1 TO 3.5	4 TO 5.5	6 TO 7.5	8 TO 10	10+
INTERVAL BETWEEN BERM	100'	75'	50'	25'	12'

For slope of less than 1%, transit barriers only if erosion/sediment is prevalent



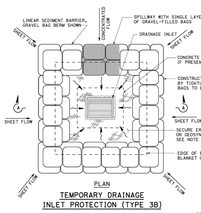
SECTION A-A

NOTES:
1. Place safety cones adjacent to drainage inlet protection.
2. Dimensions may vary to fit field conditions.
3. Install a minimum of 3 gravel bag berms upstream of each drainage inlet to be protected.
4. Position erosion control blanket or geosynthetic fabric at edge of concrete gutter and secure to gutter.
5. Erosion control blanket or geosynthetic fabric is not required if the area adjacent to the drainage inlet is vegetated or paved.



PERSPECTIVE

PLAN
TEMPORARY DRAINAGE INLET PROTECTION (TYPE 3A) (GRAVEL BAG BERM)



PLAN
TEMPORARY DRAINAGE INLET PROTECTION (TYPE 3B)

STAPLE DETAIL

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
TEMPORARY WATER POLLUTION CONTROL DETAILS (TEMPORARY DRAINAGE INLET PROTECTION)
NO SCALE

T62

2023 STANDARD PLAN T62

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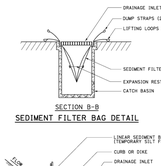
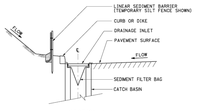
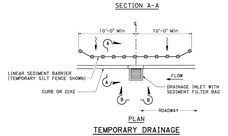


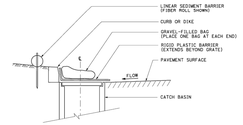
SECTION B-B
SEDIMENT FILTER BAG DETAIL



SECTION A-A

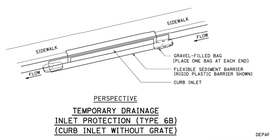


PLAN
TEMPORARY DRAINAGE INLET PROTECTION (TYPE 5) (SEDIMENT FILTER BAG)



SECTION
TEMPORARY DRAINAGE INLET PROTECTION (TYPE 6A) (CATCH BASIN WITH GRATE)

NOTES:
1. See Standard Plan T51 for Temporary Silt Fence.
2. Dimensions may vary to fit field conditions.



PERSPECTIVE
TEMPORARY DRAINAGE INLET PROTECTION (TYPE 6B) (CURB INLET WITHOUT GRATE)

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
TEMPORARY WATER POLLUTION CONTROL DETAILS (TEMPORARY DRAINAGE INLET PROTECTION)
NO SCALE

T64

2023 STANDARD PLAN T64

Rev.	Date	Description of Revisions	By
A	12/23/2024	ADDENDUM 2 - WELL 5 IMPROVEMENTS	ZCM

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MARINA COAST WATER DISTRICT
SANITARY SEWER LIFT STATION REHABILITATION
EROSION CONTROL PLAN DETAILS

JOB #: 1045-0007-00
DESIGNERS: ZCM
DRAWN BY: ZCM
DATE: 02/21/25

DRAWING NO.
C-2.1
5 OF 6 SHEETS

Vehicle and Equipment Fueling NS-9

Standard Symbol

BMP Objectives
- Soil Stabilization ☐
- Sediment Control ☐
- Tracking Control ☐
- Wind Erosion Control ☐
- Non-Stormwater Management ☑
- Materials and Waste Management ☐

Definition and Purpose

Vehicle and equipment fueling procedures and practices are designed to minimize or eliminate the discharge of fuel spills and leaks into storm drain systems or to receiving waters.

Appropriate Applications

These procedures are applied on all construction sites where vehicle and equipment fueling takes place.

Limitations

This BMP may be limited or disallowed under regulatory agency permits, particularly near Environmentally Sensitive Areas (ESAs).

Onsite vehicle and equipment fueling should only be used where it's impractical to send vehicles and equipment off-site for fueling.

Standards and Specifications

When fueling must occur onsite, the contractor shall select and designate an area or areas to be used, subject to approval of the RE.

Dedicated fueling areas shall be protected from stormwater run-on and runoff, and shall be located at least 50 feet from downstream drainage facilities and watercourses. Fueling must be performed on level-grade areas.

Protect fueling areas with berms or dikes to prevent run-on, runoff, and to contain spills.

Vehicle and Equipment Maintenance NS-10

Standard Symbol

BMP Objectives
- Soil Stabilization ☐
- Sediment Control ☐
- Tracking Control ☐
- Wind Erosion Control ☐
- Non-Stormwater Management ☑
- Materials and Waste Management ☐

Definition and Purpose

Procedures and practices to minimize or eliminate the discharge of pollutants to the storm drain systems or to receiving waters from vehicle and equipment maintenance activities.

Appropriate Applications

These procedures apply on all construction projects where an onsite uncovered yard area is necessary for storage and maintenance of heavy equipment and vehicles.

Limitations

This BMP may be limited or disallowed under regulatory agency permits, particularly near Environmentally Sensitive Areas (ESAs).

Onsite vehicle and equipment maintenance should only be used where it's impractical to send vehicles and equipment off-site for fueling.

Standards and Specifications

When maintenance must occur onsite, the contractor shall select and designate an area to be used, subject to approval of the RE and implement appropriate controls for the activities to be performed.

Dedicated maintenance areas shall be on level ground and protected from storm water run-on and runoff, and shall be located at least 50 ft from downstream drainage facilities and receiving waters.

Protect maintenance areas with berms or dikes to prevent run-on, runoff, and to contain spills.

Street Sweeping SC-7

Standard Symbol

BMP Objectives
- Soil Stabilization ☐
- Sediment Control ☑
- Tracking Control ☑
- Wind Erosion Control ☐
- Non-Stormwater Management ☐
- Materials and Waste Management ☐

Definition and Purpose

Practices to remove tracked sediment to prevent the sediment from entering a storm drain or receiving waters.

Appropriate Applications

These practices are implemented anywhere sediment is tracked from the project site onto public or private paved roads, typically at jobsite entrances and exits.

Limitations

Sweeping and vacuuming may not be effective when soil is wet or muddy.

Standards and Specifications

General Requirements

Sweep by hand or mechanical methods, such as vacuuming. Kick brooms or sweeper attachments may not be used.

At least one street sweeper in good working order must be at the job site at all times when street sweeping work is required.

Use one of the following types of street sweepers:

Temporary Drainage Inlet Protection SC-10

Standard Symbol

BMP Objectives
- Soil Stabilization ☐
- Sediment Control ☑
- Tracking Control ☐
- Wind Erosion Control ☐
- Non-Stormwater Management ☐
- Materials and Waste Management ☐

Definition and Purpose

Temporary drainage inlet protection consists of devices used at storm drain inlets that detain and/or filter sediment-laden runoff prior to discharge into storm drainage systems. This is achieved by allowing sediment to settle and/or filtering sediment upstream of a linear sediment barrier.

Appropriate Applications

Where ponding will not encroach into highway traffic.

Where sediment laden surface runoff may enter an inlet.

Where disturbed drainage areas have not yet been permanently stabilized.

Where the drainage area is 1 ac or less.

Used year-round.

Limitations

Requires an adequate area for water to pond without encroaching upon traveled way and should not present an obstacle to oncoming traffic.

May require other methods of temporary protection to prevent sediment-laden stormwater and non-stormwater discharges from entering the storm drain system.

Sediment removal may be difficult in high flow conditions or if runoff is heavily sediment laden. If high flow conditions are expected, use other on-site sediment trapping techniques, such as SC-4 "Check Dams," in conjunction with temporary drainage inlet protection.

Temporary Construction Entrance/Exit TC-1

Standard Symbol

BMP Objectives
- Soil Stabilization ☐
- Sediment Control ☑
- Tracking Control ☑
- Wind Erosion Control ☐
- Non-Stormwater Management ☐
- Materials and Waste Management ☐

Definition and Purpose

A temporary construction entrance/exit is defined by a point of entrance/exit to a construction site that is stabilized to reduce the tracking of mud and dirt onto public roads by construction vehicles.

Appropriate Applications

Where dirt or mud can be tracked onto public roads.

Adjacent to water bodies.

Where poor soils are encountered.

Where dust is a problem during dry weather conditions.

Limitations

Site conditions will dictate design and need.

Limit the points of entrance/exit to the construction site.

Limit speed of vehicles to control dust.

Standards and Specifications

General Requirements

Temporary construction entrance/exit must comply with Standard Specification Section 13-7.03 Temporary Construction Roadways and Entrances.

Material Delivery and Storage WM-1

Standard Symbol

BMP Objectives
- Soil Stabilization ☐
- Sediment Control ☐
- Tracking Control ☐
- Wind Erosion Control ☐
- Non-Stormwater Management ☐
- Materials and Waste Management ☑

Definition and Purpose

Procedures and practices for the proper handling and storage of materials in a manner that minimizes or eliminates the discharge of these materials to the storm drain system or to receiving waters.

Appropriate Applications

These procedures are implemented at all construction sites with delivery and storage of the following:

- Hazardous chemicals such as:
  - Acids
  - Lime
  - Glues
  - Adhesives
  - Paints
  - Solvents
  - Curing compounds
- Soil stabilizers and binders
- Fertilizers
- Detergents
- Plaster
- Petroleum products such as fuel, oil, and grease
- Asphalt and concrete components
- Pesticides and herbicides
- Other materials that may be detrimental if released to the environment

Material Use WM-2

Standard Symbol

BMP Objectives
- Soil Stabilization ☐
- Sediment Control ☐
- Tracking Control ☐
- Wind Erosion Control ☐
- Non-Stormwater Management ☐
- Materials and Waste Management ☑

Definition and Purpose

These are procedures and practices for use of construction materials in a manner that minimizes or eliminates the discharge of these materials to the storm drain system or to receiving waters.

Appropriate Applications

This BMP applies to all construction projects. These procedures apply when the following materials are used or prepared on site:

- Hazardous chemicals such as:
  - Acids
  - Lime
  - Glues
  - Adhesives
  - Paints
  - Solvents
  - Curing compounds
- Soil stabilizers and binders
- Fertilizers
- Detergents
- Plaster
- Petroleum products such as fuel, oil, and grease
- Asphalt and concrete components
- Pesticides and herbicides
- Other materials that may be detrimental if released to the environment

Stockpile Management WM-3

Standard Symbol

BMP Objectives
- Soil Stabilization ☐
- Sediment Control ☐
- Tracking Control ☐
- Wind Erosion Control ☐
- Non-Stormwater Management ☐
- Materials and Waste Management ☑

Definition and Purpose

Stockpile management procedures and practices are designed to reduce or eliminate air and storm water pollution from stockpiles of soil, and paving materials such as portland cement concrete (PCC) rubble, asphalt concrete (AC), asphalt concrete rubble, aggregate base, aggregate subbase or pre-mixed aggregate, asphalt binder (so called "cold mix" asphalt) and pressure treated wood.

Appropriate Applications

Implemented in all projects that stockpile soil and other materials.

Limitations

Use of plastic cover might be restricted depending on the location of the site and regulatory permits.

Standards and Specifications

Stockpiles must comply with Standard Specification 13-4.03C (3) Stockpile Management.

Protection of stockpiles is a year-round requirement.

Locate stockpiles a minimum of 50 ft. away from concentrated flows of storm water, drainage courses, and inlets.

Utilize run-on and run-off BMPs to ensure stockpile materials are protected and do not have the potential to discharge material.

Implement wind erosion control practices as appropriate on all stockpiled material. For specific information see WE-1, "Wind Erosion Control."

Spill Prevention and Control WM-4

Standard Symbol

BMP Objectives
- Soil Stabilization ☐
- Sediment Control ☐
- Tracking Control ☐
- Wind Erosion Control ☐
- Non-Stormwater Management ☐
- Materials and Waste Management ☑

Definition and Purpose

These procedures and practices are implemented to prevent and control spills in a manner that minimizes or prevents the discharge of spilled material to the drainage system or watercourses.

Appropriate Applications

This best management practice (BMP) applies to all construction projects. Spill control procedures are implemented anytime chemicals and/or hazardous substances are stored. Substances may include, but are not limited to:

- Soil stabilizers/binders.
- Dust Palliatives.
- Herbicides.
- Growth inhibitors.
- Fertilizers.
- Deicing/anti-icing chemicals.
- Fuels.
- Lubricants.
- Other petroleum distillates.

To the extent that the work can be accomplished safely, spills of oil, petroleum products, substances listed under 40 CFR parts 110, 117, and 302, and sanitary and septic wastes shall be contained and cleaned up immediately.

Solid Waste Management WM-5

Standard Symbol

BMP Objectives
- Soil Stabilization ☐
- Sediment Control ☐
- Tracking Control ☐
- Wind Erosion Control ☐
- Non-Stormwater Management ☐
- Materials and Waste Management ☑

Definition and Purpose

Solid waste management procedures and practices are designed to minimize or eliminate the discharge of pollutants to the drainage system or to water bodies as a result of the creation, stockpiling, or removal of construction site wastes.

Appropriate Applications

Solid waste management procedures and practices are implemented on all construction projects that generate solid wastes.

Solid wastes include but are not limited to:

- Construction wastes including brick, mortar, timber, steel and metal scraps, sawdust, pipe and electrical cuttings, non-hazardous equipment parts, styrofoam and other materials used to transport and package construction materials.
- Highway planting wastes, including vegetative material, plant containers, and packaging materials.
- Litter, including food containers, beverage cans, coffee cups, paper bags, plastic wrappers, and smoking materials, including litter generated by the public.

Hazardous Waste Management WM-6

Standard Symbol

BMP Objectives
- Soil Stabilization ☐
- Sediment Control ☐
- Tracking Control ☐
- Wind Erosion Control ☐
- Non-Stormwater Management ☐
- Materials and Waste Management ☑

Definition and Purpose

These are procedures and practices to minimize or eliminate the discharge of pollutants from construction site hazardous waste to the storm drain systems or to watercourses.

Appropriate Applications

This best management practice (BMP) applies to all construction projects.

Hazardous waste management practices are implemented on construction projects that generate waste from the use of:

- Petroleum Products
- Asphalt Products
- Concrete Curing Compounds
- Pesticides
- Palliatives
- Acids
- Paints
- Stains
- Solvents
- Septic Wastes
- Wood Preservatives
- Roofing Tar, or
- Any materials deemed a hazardous waste in California, Title 22 Division 4.5, or listed in 40 CFR Parts 110, 117, 261, or 302.

Contaminated Soil Management WM-7

Standard Symbol

BMP Objectives
- Soil Stabilization ☐
- Sediment Control ☐
- Tracking Control ☐
- Wind Erosion Control ☐
- Non-Stormwater Management ☐
- Materials and Waste Management ☑

Definition and Purpose

These are procedures and practices to minimize or eliminate the discharges of pollutants to the drainage system or to receiving waters from contaminated soil.

Appropriate Applications

Contaminated soil management is implemented on construction projects where soil contamination may have occurred due to spills, illicit discharges, and leaks from underground storage tanks.

It may also apply to highway widening projects in older areas where median and shoulder soils may have been contaminated by aerially deposited lead (ADL).

Limitations

The procedures and practices presented in this best management practice (BMP) are general. The contractor shall identify appropriate practices and procedures consistent with the plans and specifications for the specific contaminants known to exist or discovered on site.

Standards and Specifications

Identifying Contaminated Areas

Contaminated soils are often identified during project planning and development with known locations identified in the plans and specifications. The contractor shall review applicable reports and examine applicable call-outs in the plans and specifications.

The contractor may discover contaminated soils not identified in the plans and specifications by observing:

Spills and leaks, discoloration, odors or abandoned underground tanks or pipes.

Concrete Waste Management WM-8

Standard Symbol

BMP Objectives
- Soil Stabilization ☐
- Sediment Control ☐
- Tracking Control ☐
- Wind Erosion Control ☐
- Non-Stormwater Management ☐
- Materials and Waste Management ☑

Definition and Purpose

These are procedures and practices that are designed to minimize or eliminate the discharge of concrete waste materials to the storm drain systems or watercourses.

Appropriate Applications

Concrete waste management procedures and practices are implemented on construction projects where concrete is used as a construction material or where concrete dust and debris result from demolition activities.

Where slurries containing portland cement concrete (PCC) or asphalt concrete (AC) are generated, such as from sawcutting, coring, grinding, grooving, and hydro-concrete demolition.

Where concrete trucks and other concrete-coated equipment are washed on site, when approved by the Resident Engineer (RE). See also NS-8, "Vehicle and Equipment Cleaning."

Where mortar-mixing stations exist.

Limitations

None identified.

Standards and Specifications

Education

Educate employees, subcontractors, and suppliers on the concrete waste management techniques described herein.

The WPC Manager shall oversee and enforce concrete waste management procedures.

Sanitary and Septic Waste Management WM-9

Standard Symbol

BMP Objectives
- Soil Stabilization ☐
- Sediment Control ☐
- Tracking Control ☐
- Wind Erosion Control ☐
- Non-Stormwater Management ☐
- Materials and Waste Management ☑

Definition and Purpose

Procedures and practices to minimize or eliminate the discharge of construction site sanitary and septic waste materials to the storm drain system or to receiving waters.

Appropriate Applications

Sanitary/septic waste management practices are implemented on all construction sites that use temporary or portable sanitary and septic waste systems.

Limitations

None identified.

Standards and Specifications

Education

Educate employees, subcontractors, and suppliers on sanitary and septic waste storage and disposal procedures.

Educate employees, subcontractors, and suppliers of potential dangers to humans and the environment from sanitary/septic wastes.

Instruct employees, subcontractors, and suppliers in identification of sanitary/septic waste.

Hold regular meetings to discuss and reinforce disposal procedures (incorporate into regular safety meetings and tailgates).

Establish a continuing education program to indoctrinate new employees.

Liquid Waste Management WM-10

Standard Symbol

BMP Objectives
- Soil Stabilization ☐
- Sediment Control ☐
- Tracking Control ☐
- Wind Erosion Control ☐
- Non-Stormwater Management ☐
- Materials and Waste Management ☑

Definition and Purpose

Procedures and practices to prevent discharge of pollutants to the storm drain system or to receiving waters as a result of the creation, collection, and disposal of non-hazardous liquid wastes.

Appropriate Applications

Liquid waste management is applicable to construction projects that generate any of the following non-hazardous byproducts, residuals, or wastes:

- Drilling slurries and drilling fluids.
- Grease-free and oil-free wastewater and rinse water.
- Dredgings.
- Other non-storm water liquid discharges not permitted by separate permits.

Limitations

Disposal of some liquid wastes may be subject to specific laws and regulations, or to requirements of other permits secured for the construction project (e.g., NPDES permits, Army Corps permits, Coastal Commission permits, etc.).

Does not apply to dewatering operations (see NS-2, "Dewatering Operations"), solid waste management (see WM-5, "Solid Waste Management"), hazardous wastes (see WM-6, "Hazardous Waste Management"), or concrete slurry residue (see WM-8, "Concrete Waste Management").

Does not apply to non-stormwater discharges permitted by any NPDES permit held by the pertinent Caltrans District, unless the discharge is determined by Caltrans to be a source of pollutants. Typical permitted non-stormwater discharges can include: water line flushing; landscape irrigation; diverted stream flows; rising ground waters; uncontaminated pumped ground water; discharges from potable water sources; foundation

Rev.	Date	Description of Revisions	By

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SANITARY SEWER LIFT STATION REHABILITATION
EROSION CONTROL PLAN BMPS

JOB #: 1045-0007-00
DESIGNERS: ZCM
DRAWN BY: ZCM
DATE: 02/21/25

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