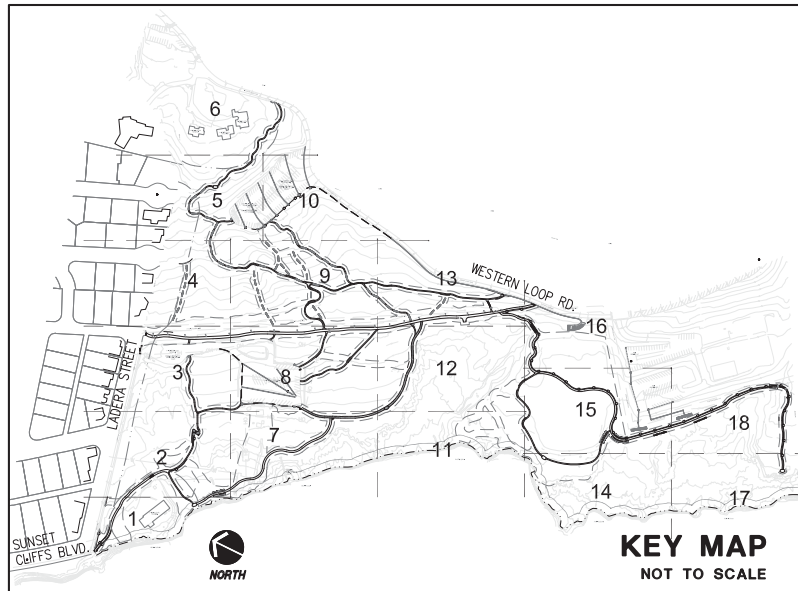
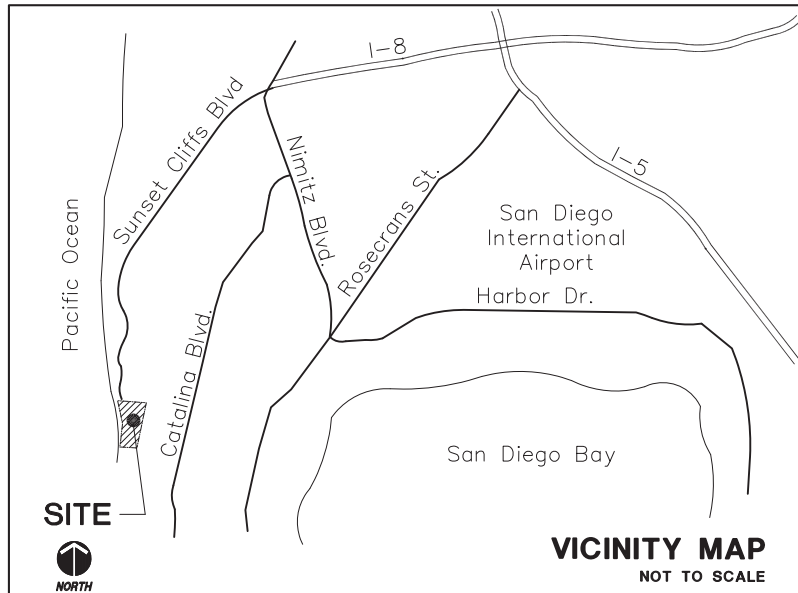


PLANS FOR THE RENOVATION OF: SUNSET CLIFFS NATURAL PARK HILLSIDE IMPROVEMENTS

SUNSET CLIFFS NATURAL PARK 100% SUBMITTAL



CONSTRUCTION TYPE:
RESTORE PARK TO NATURAL, OPEN SPACE PARK, (DEDICATED PUBLIC PARK)

STREET ADDRESS
4515 LADERA STREET
SAN DIEGO, CA

LEGAL DESCRIPTION:
SUNSET CLIFFS NATURAL PARK IS A 69 ACRE RESOURCE PARK STRETCHING ALONG THE PACIFIC OCEAN BORDERING THE WESTERN EDGE OF POINT LOMA, THE 18 ACRE LINEAR SECTION OF THE PARK LIES TO THE WEST OF SUNSET CLIFFS BLVD. BETWEEN ADAIR ST. AND LADERA ST. THE 51 ACRE HILLSIDE SECTION LIES SOUTH OF THE LADERA ST., BETWEEN POINT LOMA NAZIRINE UNIVERSITY AND THE PACIFIC OCEAN IN THE CITY OF SAN DIEGO, COUNTY OF SAN DIEGO, STATE OF CALIFORNIA

DESCRIPTION OF THE SCOPE OF WORK
PLANS, NOTES, SPECIFICATIONS AND DETAILS FOR THE RENOVATION OF SUNSET CLIFFS NATURAL PARK INCLUDING IMPROVEMENT OF THE PEDESTRIAN TRAILS AND OBSERVATION POINTS, IMPLEMENTATION OF A REVEGETATION PROGRAM, REMOVAL OF THE DIXON ESTATES AND LADERA STREET HOUSE PROPERTIES, REMOVAL OF EXOTIC NON-NATIVE PLANTS, REMOVAL AND RECONTOURING OF BALL FIELD.

CONTRACTOR'S RESPONSIBILITIES

CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT INCLUDING: SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.

OWNER/APPLICANT

CITY OF SAN DIEGO, ENGINEERING AND CAPITAL PROJECTS DEPARTMENT PROJECT MANAGER: JOSEPH DIAB, (619) 533-4615

STANDARD DRAWINGS/STANDARD SPECIFICATIONS

- CITY OF SAN DIEGO STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION ("WHITEBOOK"), 2012 EDITION, DOCUMENT NO. PITS07012-02.
- STANDARD SPECIFICATIONS FOR PUBLIC WORKS (GREENBOOK), 2012 EDITION, DOCUMENT NO. PITS07012-01
- 1999 STANDARD SPECIAL PROVISIONS FOR SIGNALS, LIGHTING AND ELECTRICAL SYSTEMS OF CITY OF SAN DIEGO, DOCUMENT NO. 769842, FILED OCTOBER 22, 1999.
- CALIFORNIA DEPARTMENT OF TRANSPORTATION "MANUAL OF TRAFFIC CONTROLS FOR CONSTRUCTION AND MAINTENANCE WORK ZONE," (1996 ED, DOCUMENT NO. 769843, FILED JANUARY 24, 2000).
- CITY OF SAN DIEGO STANDARD DRAWINGS, INCLUDING ALL REGIONAL STANDARD DRAWINGS, 2012 EDITION, DOCUMENT NO. PITS07012-03.
- CALIFORNIA MUTCD, 2012 EDITION, DOCUMENT NO. PITS07012-06

CODES AND REGULATIONS:

- ACCESSIBILITY REGULATIONS, TITLE 24, CURRENT EDITION, AND "ACCESS COMPLIANCE REFERENCE MANUAL", CURRENT EDITION, PREPARED BY THE DIVISION OF THE STATE ARCHITECT.
- 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN
- US CONSUMER PRODUCT SAFETY COMMISSION HANDBOOK FOR PLAYGROUND SAFETY (1998)
- 2010 CALIFORNIA BUILDING CODE (CBC) PART 2, CBCS (2009 IBC AND 2010 CALIFORNIA AMENDMENTS) AMERICAN WITH DISABILITIES ACT (ADA) ADA STANDARD FOR ACCESSIBLE DESIGN (APPENDIX OF 28 CFR PART 36)
- "CONSULTANT'S GUIDE TO PARK DESIGN AND DEVELOPMENT", CITY OF SAN DIEGO PARK & RECREATION DEPARTMENT, NOVEMBER 2010.

UNDERGROUND UTILITIES:

CAUTION !!!
BEFORE EXCAVATION, VERIFY THE LOCATION OF UNDERGROUND UTILITIES.

AT LEAST THREE (3) WORKING DAYS PRIOR TO EXCAVATION, THE CONTRACTOR SHALL REQUEST MARKOUT OF UNDERGROUND UTILITIES BY CALLING THE BELOW LISTED REGIONAL NOTIFICATION CENTER FOR AN INQUIRY IDENTIFICATION NUMBER:

UNDERGROUND UTILITIES ALERT (GAS, ELECTRIC, TELEPHONE, WATER, SEWER, LIGHTING AND T.V.) CITY BUILDINGS DIVISION (619) 525-8540
IRRIGATION SYSTEMS (619) 533-5783
IRRIGATION CONTROL WIRES (619) 533-5783

WATER FEES

THE CITY OF SAN DIEGO PROJECT MANAGER AND THE CONSULTANT SHALL COORDINATE THE FOLLOWING: WATER AND SEWER CAPACITY FEES SHALL BE PREPAID BY THE CITY FOR THE CITY CONTRACTS, THE CONTRACTOR SHALL PAY ALL OTHER CONSTRUCTION AND MAINTENANCE WATER METER AND SEWER FEES, AND SHALL COORDINATE WITH THE WATER UTILITIES DEPARTMENT FOR INSTALLATION OF SERVICES, ALLOW THREE (3) MONTHS NOTICE TO THE WATER UTILITIES DEPARTMENT. (NO NEW SERVICES ANTICIPATED).

SHEET SIZE NOTE:

IF SHEET IS LESS THAN 22"x34", IT IS A REDUCED PLAN - SCALE ACCORDINGLY

PREPARED BY:

LANDSCAPE ARCHITECT:
ESTRADA LAND PLANNING, INC
755 BROADWAY CIRCLE, SUITE 300,
SAN DIEGO, CA 92101
PH: (619) 236-0143, FAX: (619) 236-0578
ATTN: JOE ESPOSITO

ALL LANDSCAPE AND IRRIGATION SHALL CONFORM TO THE CITY OF SAN DIEGO LAND DEVELOPMENT CODE AND ALL OTHER APPLICABLE CITY AND REGIONAL STANDARDS FOR LANDSCAPE INSTALLATION AND MAINTENANCE.

CIVIL ENGINEER:

NASLAND ENGINEERING
URS
4740 RUFFNER ST.
SAN DIEGO, CA 92111
PH: (858) 292-7770
FAX: (858) 571-3241
ATTN: CORY SCHRACK

ENVIRONMENTAL CONSULTANT:

URS
4225 EXECUTIVE SQ, STE. 1600
LA JOLLA, CA 92037
PH: (619) 294-9400
FAX: (619) 293-7920
ATTN: PAT MOCK

OWNER/APPLICANT

CITY OF SAN DIEGO
PUBLIC WORKS DEPARTMENT
ENGINEERING AND CAPITAL PROJECTS
ARCHITECTURAL ENGINEERING & PARKS DIVISION,
PROJECT MANAGER: JOSEPH DIAB, (619) 533-4615

AS-BUILT DRAWINGS:

ATTENTION IS DIRECTED TO STANDARD SPECIFICATION, CITY OF SAN DIEGO SUPPLEMENTAL AMENDMENTS, SECTION 2-5.4 AS BUILT DRAWINGS.

CONTRACTOR IS REQUIRED TO DELIVER "AS-BUILT" INFORMATION, TO THE ENGINEER, PRIOR TO THE FIELD ACCEPTANCE OF THE WORK.

WATER POLLUTION CONTROL NOTES:

THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS NOTED IN THE GREENBOOK 2009 CITY SUPPLEMENT SEC 801 - WATER POLLUTION CONTROL.

PARK INSPECTION TEAM

- SITE SUPERINTENDENT (CONTRACTOR REPRESENTATIVE)
- CONTRACTOR(S)
- RESIDENT ENGINEER FROM FIELD ENGINEERING DIVISION
- CITY PROJECT MANAGER
- DESIGN CONSULTANT
- PARK AND RECREATION ASSISTANT MANAGER
- ACCESS COMPLIANCE OFFICER

INSPECTION SCHEDULE

- PRE-CONSTRUCTION MEETING
- DEMOLITION WORK
- ROUGH GRADING AND DRAINAGE
- IRRIGATION MAINLINE PRESSURE TEST
- WIRING PRIOR TO BACKFILLING TRENCHES
- FINISHING GRADING AND SOIL PREPARATION
- IRRIGATION COVERAGE TEST
- PLANT MATERIAL (WHEN DELIVERED) AND PLACEMENT APPROVAL
- PROJECT CONSTRUCTION 90% COMPLETE (DEVELOP PUNCH LIST AND SUBMIT RED-LINE AS-BUILTS.)
- 90-DAY PLANT MAINTENANCE PERIOD. (THIS INSPECTION TO BE HELD WHEN THE PUNCH LIST ITEMS ARE COMPLETE)
- FINAL WALK THROUGH, ACCEPTANCE BY CITY. (CONTRACTOR TO SUBMIT FINAL APPROVED AS-BUILTS TO THE CITY.)

DECLARATION OF RESPONSIBILITY

I HEREBY DECLARE THAT I AM THE LANDSCAPE ARCHITECT OF WORK FOR THIS PROJECT, THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THE PROJECT AS DEFINED IN SECTION 6703 OF THE BUSINESS AND PROFESSIONS CODE, AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS.

I UNDERSTAND THAT THE CHECK OF PROJECT DRAWINGS AND SPECIFICATIONS BY THE CITY OF SAN DIEGO IS CONFINED TO A REVIEW ONLY AND DOES NOT RELIEVE ME, AS LANDSCAPE ARCHITECT OF WORK, OF MY RESPONSIBILITIES FOR PROJECT DESIGN.

BY: _____ DATE: _____
VICKI ESTRADA
ESTRADA LAND PLANNING
755 BROADWAY CIRCLE, SUITE 300
SAN DIEGO, CALIFORNIA 92101
VESTRADA@ESTRADALANDPLAN.COM

SHEET INDEX:

| SHEET TITLE | SHEET NO. | SHEET REF. |
|---|------------|-----------------|
| TITLE SHEET | 1 | T-1 |
| OVERALL SITE PLAN | 2 | SP-1 |
| CIVIL TITLE SHEET | 3 | C-1 |
| DEMOLITION PLANS | 4 | C-2 |
| DEMOLITION/GRADING PLAN | 5 | C-3 |
| GRADING PLAN | 6 | C-4 |
| MULTI-USE TRAIL - PLAN AND PROFILE | 7 THRU 9 | C-5 THRU C-7 |
| ADA TRAIL AND PARKING PLAN-PLAN AND PROFILE | 10 THRU 11 | C-8 THRU C-9 |
| EROSION CONTROL PLANS | 12 THRU 16 | C-10 THRU C-14 |
| CIVIL DETAILS AND SECTIONS | 17 | C-15 |
| IMPROVEMENT PLANS | 18 THRU 35 | LI-1 THRU LI-18 |
| IMPROVEMENT DETAILS | 36 THRU 38 | LD-1 THRU LD-3 |
| IRRIGATION PLANS | 39 THRU 56 | I-1 THRU I-18 |
| IRRIGATION LEGEND AND NOTES | 57 | IL-1 |
| IRRIGATION DETAILS | 58 | ID-1 |
| PLANTING PLANS | 59 THRU 76 | P-1 THRU P-18 |
| PLANTING LEGENDS AND DETAILS | 77 THRU 78 | PL-1 THRU PL-2 |

SITE DATA:
TOTAL SITE: 51 ACRES

REFERENCE DRAWINGS:
SUNSET CLIFFS NATURAL PARK MASTER PLAN, FINAL JULY 2005

PROJECT PERMITS:
TRAFFIC CONTROL PERMIT, REVIEW No. _____

ENVIRONMENTAL DOCUMENTS:
FINAL MASTER ENVIRONMENTAL IMPACT REPORT AND FINAL MASTER ENVIRONMENTAL IMPACT REPORT APPENDICES, LDR NO. 91-0644, SCH NO. 97101071, MAY 2004

AERIAL SURVEY:
AERIAL SURVEY
AERIAL PANEL LAYOUT
SUNSET CLIFFS NATURAL PARK
WBS NO. S-10091, FLOWN AUGUST 10, 2010

TOPOGRAPHY:
PREPARED BY ADVANCED DIGITAL MAPS
DATE: 10-27-10
ADM 2354

| CONSTRUCTION CHANGE / ADDENDUM | | | |
|--------------------------------|------|---------------------------------|--------------|
| CHANGE | DATE | AFFECTED OR ADDED SHEET NUMBERS | APPROVAL NO. |
| | | | |
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WARNING

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

CITY OF SAN DIEGO
PUBLIC WORKS PROJECT



TEMPORARY BMP CONSTRUCTION SITE STORM WATER PRIORITY: HIGH _____ MEDIUM _____ LOW _____ SPEC. NO. _____

CONSULTANT

Estrada Land Planning
Urban Design Landscape Architecture Computer Imaging

619.236.0143
225 Broadway, Suite 1160
San Diego, California 92101
619.236.0578 Fax
ELP@EstradaLandPlan.com



CITY CONTRACT

**PLANS FOR
SUNSET CLIFFS NATURAL PARK
HILLSIDE IMPROVEMENTS**

TITLE SHEET

CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING AND CAPITAL PROJECTS DEPARTMENT
SHEET 1 OF 78 SHEETS

WBS _____
WBS _____

APPROVED _____ DATE _____

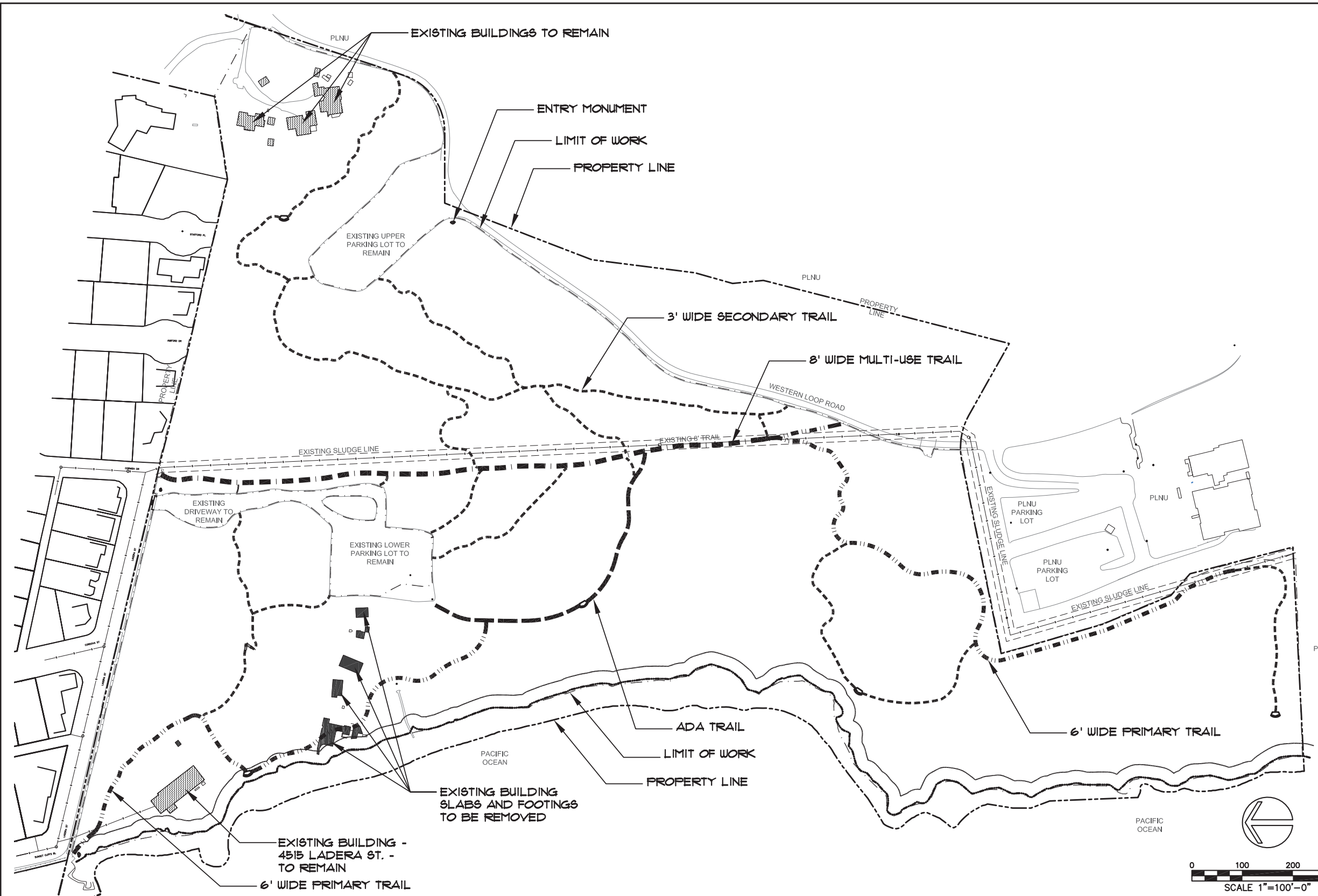
| FOR CITY ENGINEER | BY | APPROVED | DATE | FILMED | PROJECT MANAGER |
|-------------------|-----|----------|------|--------|-----------------|
| ORIGINAL | ELP | | | | |

PROJECT ENGINEER _____
CC827 COORDINATE _____
CC883 COORDINATE _____

CONTRACTOR _____ DATE STARTED _____
INSPECTOR _____ DATE COMPLETED _____

36768- 1 -D

Drawing name: M:\Projects\10012261-SunsetCliffs\A0401005Sub\2261_TB - T-1.dwg T-1 May 29, 2013 12:55pm by: ch677



IMPROVEMENT DETAIL KEY

| DESCRIPTION | SYMBOL |
|---------------------------|-----------|
| ADA TRAIL - 6' WIDE | — — — — — |
| MULTI-USE TRAIL - 8' WIDE | — — — — — |
| PRIMARY TRAIL - 6' WIDE | — — — — — |
| SECONDARY TRAIL - 3' WIDE | — — — — — |
| PARK BOUNDARY | — — — — — |

SP-1

**PLANS FOR
SUNSET CLIFFS NATURAL PARK
HILLSIDE IMPROVEMENTS
IMPROVEMENT PLAN**

| | | |
|--|-----|----------------------|
| CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 2 OF 78 SHEETS | | WBS _____ |
| APPROVED | | SUBMITTED BY _____ |
| FOR CITY ENGINEER | | PROJECT MANAGER |
| DESCRIPTION | BY | APPROVED |
| ORIGINAL | ELP | |
| DATE | | |
| CONTRACTOR _____ | | DATE STARTED _____ |
| INSPECTOR _____ | | DATE COMPLETED _____ |
| | | 36768- 2 -D |

TEMPORARY BMP CONSTRUCTION SITE STORM WATER PRIORITY: HIGH _____ MEDIUM _____ LOW _____ SPEC. NO. _____

CONSULTANT

Estrada Land Planning
Urban Design Landscape Architecture Computer Imaging

619.236.0143
225 Broadway, Suite 1160
San Diego, California 92101
619.236.0578 Fax
ELP@EstradaLandPlan.com

REGISTERED LANDSCAPE ARCHITECT
VICKI ESTRADA
No. 1685
Exp. 4/30/2014
SIGNATURE _____
DATE _____
STATE OF CALIFORNIA

CONSTRUCTION CHANGE / ADDENDUM

| CHANGE | DATE | AFFECTED OR ADDED SHEET NUMBERS | APPROVAL NO. |
|--------|------|---------------------------------|--------------|
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WARNING

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IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

**CITY OF SAN DIEGO
PUBLIC WORKS PROJECT**



Drawing name: M:\Projects\100\12261-SunsetCliffs\100\1005\12261_SP.dwg SITE PLAN May 29, 2013 2:19pm by: cho77

DISABLED ACCESS NOTES

- ALL SLOPES SHOWN ON THIS PLAN WERE DESIGNED AT OR BELOW MAXIMUMS ALLOWED BY THE CALIFORNIA BUILDING CODE (C.B.C.) AND THE AMERICANS WITH DISABILITY ACT ACCESS GUIDE (A.D.A.A.G.) IN ORDER TO ALLOW FOR CONSTRUCTION TOLERANCES. IT IS CONTRACTORS' RESPONSIBILITY TO FAMILIARIZE THEMSELVES WITH A.D.A.A.G. AND 2010 C.B.C. AND IN THE EVENT THAT A DESIGN QUESTION SHOULD ARISE, OR A FIELD CONDITION PRESENT ITSELF THAT IS DIFFERENT THAN SHOWN ON THESE PLANS, WORK SHOULD CEASE AND THE ENGINEER NOTIFIED SO THAT AN ACCEPTABLE SOLUTION CAN BE DETERMINED.
- THE CONTRACTOR IS ADVISED TO CAREFULLY CHECK ALL PHASES OF WORK RELATING TO C.B.C. AND A.D.A.A.G. ACCESS FOR THIS PROJECT. SINCE THE CODE DOES NOT ALLOW FOR CONSTRUCTION TOLERANCE, ANY CONSTRUCTION THAT EXCEEDS MAXIMUM OR MINIMUM DIMENSIONS AND SLOPES AS CALLED OUT BY C.B.C. AND A.D.A.A.G. ARE SUBJECT TO REJECTION BY THE CITY AND MAY BE REQUIRED TO BE REMOVED AND REPLACED.
- SINCE THE CIVIL ENGINEER OR SURVEYOR CAN NOT CONTROL THE EXACT METHODS OR MEANS USED BY THE GENERAL CONTRACTOR OR THEIR SUB-CONTRACTORS DURING GRADING AND CONSTRUCTION OF THE PROJECT, THE CIVIL ENGINEER ASSUMES NO RESPONSIBILITY FOR THE FINAL ACCEPTANCE OF A.D.A.A.G. RELATED ITEMS BY THE CITY, ANY OTHER AUTHORITY, OR OTHER AFFECTED PARTIES.
- ADA TRAIL DESIGN PER APPENDIX K OF THE CITY OF SAN DIEGO TRAIL POLICIES AND STANDARDS SECTION 3.2 "BARRIER FREE TRAIL DESIGN AND ADA RECOMMENDATIONS".

GRADING NOTES

- GRADING AS SHOWN ON THESE PLANS SHALL BE IN CONFORMANCE WITH CURRENT STANDARD SPECIFICATIONS AND CHAPTER 14, ARTICLE 2, DIVISION 1, OF THE SAN DIEGO MUNICIPAL CODE, 2000 EDITION.
- PLANT AND IRRIGATE ALL CUT AND FILL SLOPES AS REQUIRED BY ARTICLE 2, DIVISION 4, SECTION 142.0411 OF THE SAN DIEGO LAND DEVELOPMENT CODE AND ACCORDING TO SECTION IV OR THE LAND DEVELOPMENT MANUAL LANDSCAPE STANDARDS.
- GRADED, DISTURBED, OR ERODED AREAS THAT WILL NOT BE PERMANENTLY PAVED, COVERED BY STRUCTURE, OR PLANTED FOR A PERIOD OVER 90 DAYS SHALL BE TEMPORARILY REVEGETATED WITH A NON-IRRIGATED HYDROSEED MIX, GROUND COVER, OR EQUIVALENT MATERIAL.

GRADING QUANTITIES

| | | | |
|-----------------|---------------|-------------------------------|------|
| GRADED AREA | 158,635 SQ FT | MAX. CUT DEPTH | 6 FT |
| CUT QUANTITIES | 180 CYD | MAX CUT SLOPE RATIO (2:1MAX) | 2:1 |
| FILL QUANTITIES | 1590 CYD | MAX. FILL DEPTH | 6 FT |
| IMPORT | 1410 CYD | MAX FILL SLOPE RATIO (2:1MAX) | 2:1 |

PERMANENT POST-CONSTRUCTION BMP NOTES

- PRIOR TO THE ISSUANCE OF ANY CONSTRUCTION PERMIT, THE "OWNER/PERMITTEE" SUBDIVIDER SHALL ENTER INTO A MAINTENANCE AGREEMENT FOR THE ONGOING PERMANENT BMP MAINTENANCE.
- PRIOR TO THE ISSUANCE OF ANY CONSTRUCTION PERMIT, THE "OWNER/PERMITTEE" SHALL INCORPORATE ANY CONSTRUCTION BEST MANAGEMENT PRACTICES NECESSARY TO COMPLY WITH CHAPTER 14, ARTICLE 2, DIVISION 1 (GRADING REGULATIONS) OF THE SAN DIEGO MUNICIPAL CODE, INTO THE CONSTRUCTION PLANS OR SPECIFICATIONS.

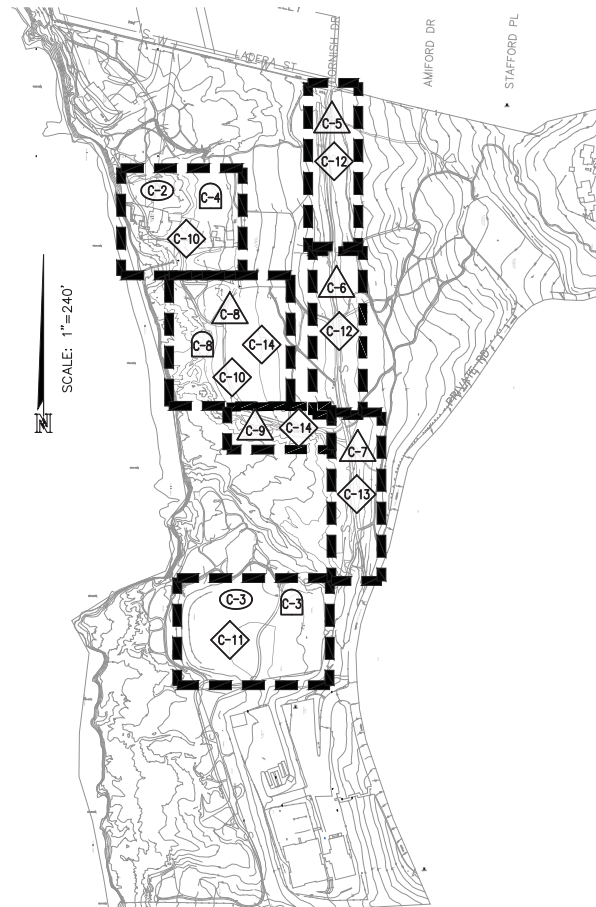
TOPOGRAPHY SOURCE

REFERENCES:
CITY OF SAN DIEGO PRELIMINARY SURVEY FIELD NOTES; SUNSET CLIFFS NATURAL PARK AERIAL, 11/19/2010, WBS: S-10091200-1689

BASIS OF BEARINGS/COORDINATES:
THE BASIS OF BEARINGS FOR THIS PROJECT WAS DERIVED FROM A PREVIOUS STATIC GPS SURVEY USING GPS 215 AND GPS 243 AS SHOWN ON R.O.F S. 14492 I.E. N 05°58'10" E, NAD 83 FEET, ZONE 6 (EPOCH 91.35), UTILIZING RTK/GPS FIELD PROCEDURES WITH CALVRS BASE STATION LOCATED AT OBR, CONSTRAINING TO GPS 215 AND GPS 243.

BENCH:
NWBP CARMELO ST. & SUNSET CLIFFS BLVD. ELEV. 60.324 MSL, BASED ON NGVD 29 FEET AS SHOWN IN THE CITY OF SAN DIEGO BENCH BOOK

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



KEY MAP:

KEY MAP LEGEND

- DEMOLITION PLAN
- GRADING PLAN
- PLAN AND PROFILE
- EROSION CONTROL PLAN

SHEET INDEX:

| DESCRIPTION | C-SHEET(S) |
|--|------------|
| CIVIL TITLE SHEET | C-1 |
| DEMOLITION PLAN | C-2 |
| GRADING/ DEMOLITION PLAN | C-3 |
| GRADING PLAN | C-4 |
| MULTI-USE TRAIL - PLAN AND PROFILE | C-5 |
| MULTI-USE TRAIL - PLAN AND PROFILE | C-6 |
| MULTI-USE TRAIL - PLAN AND PROFILE | C-7 |
| ADA TRAIL AND PARKING - PLAN AND PROFILE | C-8 |
| ADA TRAIL - PLAN AND PROFILE | C-9 |
| EROSION CONTROL PLAN | C-10 |
| EROSION CONTROL PLAN | C-11 |
| EROSION CONTROL PLAN | C-12 |
| EROSION CONTROL PLAN | C-13 |
| EROSION CONTROL PLAN | C-14 |
| DETAILS AND CROSS SECTIONS | C-15 |

SPECIAL NOTES

THE FOLLOWING NOTES ARE PROVIDED TO GIVE DIRECTIONS TO THE CONTRACTOR BY THE ENGINEER OF WORK. THE CITY ENGINEER'S SIGNATURE ON THESE PLANS DOES NOT CONSTITUTE APPROVAL OF ANY OF THESE NOTES AND THE CITY WILL NOT BE RESPONSIBLE FOR THEIR ENFORCEMENT.

- CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS 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 CONTRACTORS SHALL DEFEND, INDEMNIFY, AND HOLD THE OWNER, ENGINEER AND GEOLOGIST HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN THE CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROPERTY, EXCEPTING FOR LIABILITY ARISING FROM SOLE NEGLIGENCE OF THE OWNER OR ENGINEER.
- THE CONTRACTOR SHALL MAKE EXPLORATORY EXCAVATIONS AND LOCATE EXISTING UNDERGROUND FACILITIES SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT REVISIONS TO PLANS IF REVISIONS ARE NECESSARY BECAUSE OF ACTUAL LOCATION OF EXISTING FACILITIES.
- DURING CONSTRUCTION: THE CONTRACTOR SHALL PROPERLY GRADE ALL EXCAVATED SURFACES TO PROVIDE POSITIVE DRAINAGE AND PREVENT PONDING OF WATER. HE SHALL CONTROL SURFACE WATER TO AVOID DAMAGE TO ADJOINING PROPERTIES OR TO FINISHED WORK ON THE SITE.
- ALL WORK NEEDING MATERIALS TESTING REQUIRES THAT THE CONTRACTOR NOTIFY THE CITY MATERIALS LAB AT 463-0329 BY NOON THE DAY BEFORE THE WORK IS SCHEDULED TO BEGIN TO ARRANGE FOR TESTING.
- WORK PERFORMED WITHOUT BENEFIT OF TESTING AND/OR INSPECTION SHALL BE SUBJECT TO REJECTION AND REMOVAL.
- THE EXISTENCE AND LOCATION OF UTILITY STRUCTURES AND FACILITIES SHOWN ON THE CONSTRUCTION PLANS WERE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS. ATTENTION IS CALLED TO THE POSSIBLE EXISTENCE OF OTHER UTILITY FACILITIES OR STRUCTURES NOT KNOWN OR IN A LOCATION DIFFERENT FROM THAT SHOWN ON THE PLANS. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITIES SHOWN ON THE PLANS AND ANY OTHER EXISTING FACILITIES OR STRUCTURES THAT MAY NOT BE SHOWN.
- THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING FACILITIES (ABOVEGROUND AND UNDERGROUND) WITHIN AND ADJACENT TO THE PROJECT SITE SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT THE REVISION OF THE CONSTRUCTION PLANS IF IT IS FOUND THE ACTUAL LOCATIONS ARE IN CONFLICT WITH THE PROPOSED WORK.
- NEITHER THE CITY NOR THE ENGINEER OF WORK WILL ENFORCE SAFETY MEASURES OR REGULATIONS. THE CONTRACTOR SHALL DESIGN, CONSTRUCT, AND MAINTAIN ALL SAFETY DEVICES INCLUDING SHORING, AND SHALL BE SOLELY RESPONSIBLE FOR CONFORMING TO ALL LOCAL, STATE AND FEDERAL SAFETY AND HEALTH STANDARDS, LAWS, AND REGULATIONS.
- CONTRACTOR SHALL REMOVE AND REPLACE, TO THE SATISFACTION OF THE CITY ENGINEER, ALL DESTROYED OR DAMAGED SURFACE IMPROVEMENTS WITH IMPROVEMENTS EQUAL OR SUPERIOR.
- CONTRACTOR SHALL NOTIFY THE CITY OF SAN DIEGO FIELD ENGINEERING DIVISION AT 236-5520 48 HOURS BEFORE BEGINNING OF WORK.
- THE CONTRACTOR SHALL OBTAIN ALL PERMITS REQUIRED FROM THE CITY OF SAN DIEGO FOR WORK WITHIN THE PUBLIC RIGHT OF WAY.

IMPORTANT NOTICE

SECTION 4215/4217 OF THE PERMIT/APPROVAL BY THE GOVERNMENT CODE REQUIRES THAT A DIG ALERT IDENTIFICATION NUMBER BE ISSUED BEFORE A "PERMIT TO EXCAVATE" WILL BE VALID. PER YOUR DIG ALERT I.D. NUMBER, CALL UNDERGROUND SERVICE ALERT

TOLL FREE 1-800-422-4133 TWO WORKING DAYS BEFORE YOU DIG.

C-1

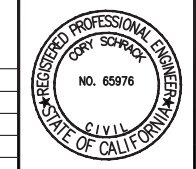
PLAN DATE IDENTIFIER
DATE OF LAST CHANGE TO THIS PLAN
02/21/2013 BY: CCB
DATE OF THIS PLAN
05/21/2013

**PLANS FOR
SUNSET CLIFFS NATURAL PARK
HILLSIDE IMPROVEMENTS
CIVIL TITLE SHEET**

| | | |
|--|------|----------------------|
| CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 3 OF 78 SHEETS | | WBS _____ |
| FOR CITY ENGINEER | | DATE _____ |
| DESCRIPTION | BY | APPROVED |
| ORIGINAL | N.E. | |
| CONTRACTOR _____ | | DATE STARTED _____ |
| INSPECTOR _____ | | DATE COMPLETED _____ |
| | | 36768-3-D |

NASLAND ENGINEERING
CIVIL ENGINEERING • SURVEYING • LAND PLANNING
4740 Ruffner Street, San Diego, California, 92111 • 858-292-7770

| REVISION | DATE | BY | PROJECT ENGR: CORY SCHRACK |
|----------|----------|----|----------------------------|
| ORIGINAL | 02/20/13 | CB | DESIGNED BY: CB |
| | | | DRAWN BY: CB |
| | | | SCALE: AS SHOWN |
| | | | JOB NO. 110-091.1 |



**CITY OF SAN DIEGO
PUBLIC WORKS PROJECT**

| CONSTRUCTION CHANGE / ADDENDUM | | | |
|--------------------------------|------|---------------------------------|--------------|
| CHANGE | DATE | AFFECTED OR ADDED SHEET NUMBERS | APPROVAL NO. |
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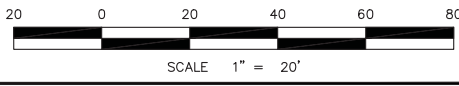
WARNING
0 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

DEMOLITION NOTES:

- 1 REMOVE EXISTING BUILDING FOOTINGS, CONCRETE SLAB AND ALL UTILITIES WITHIN. CONTRACTOR RESPONSIBLE FOR OBTAINING A DEMOLITION PERMIT.
- 2 EXISTING FENCE AND FOOTINGS TO BE REMOVED.
- 3 EXISTING BLOCK WALL AND FOOTINGS TO BE REMOVED.
- 4 EXISTING CONCRETE TO BE REMOVED
- 5 EXISTING OVERHEAD POWER LINES TO BE REMOVED, CONTRACTOR TO COORDINATE WITH SDG&E

DEMOLITION LEGEND:

- EXISTING BUILDING
- EXISTING CONCRETE
- LIMITS OF DEMOLITION



C-2

| PLAN DATE IDENTIFIER | |
|----------------------------------|------------|
| DATE OF LAST CHANGE TO THIS PLAN | 02/21/2013 |
| DATE OF THIS PLAN | 05/21/2013 |

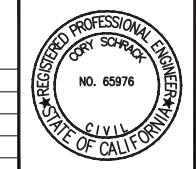
**PLANS FOR
SUNSET CLIFFS NATURAL PARK
HILLSIDE IMPROVEMENTS
DEMOLITION PLAN**

CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING AND CAPITAL PROJECTS DEPARTMENT
SHEET 4 OF 78 SHEETS

| | | | | | |
|-------------------|------|----------------|------|--------------|------------------|
| FOR CITY ENGINEER | | DATE | | SUBMITTED BY | |
| DESCRIPTION | BY | APPROVED | DATE | FILMED | PROJECT MANAGER |
| ORIGINAL | N.E. | | | | PROJECT ENGINEER |
| | | | | | COB27 COORDINATE |
| | | | | | COB28 COORDINATE |
| CONTRACTOR | | DATE STARTED | | 36768-4-D | |
| INSPECTOR | | DATE COMPLETED | | | |

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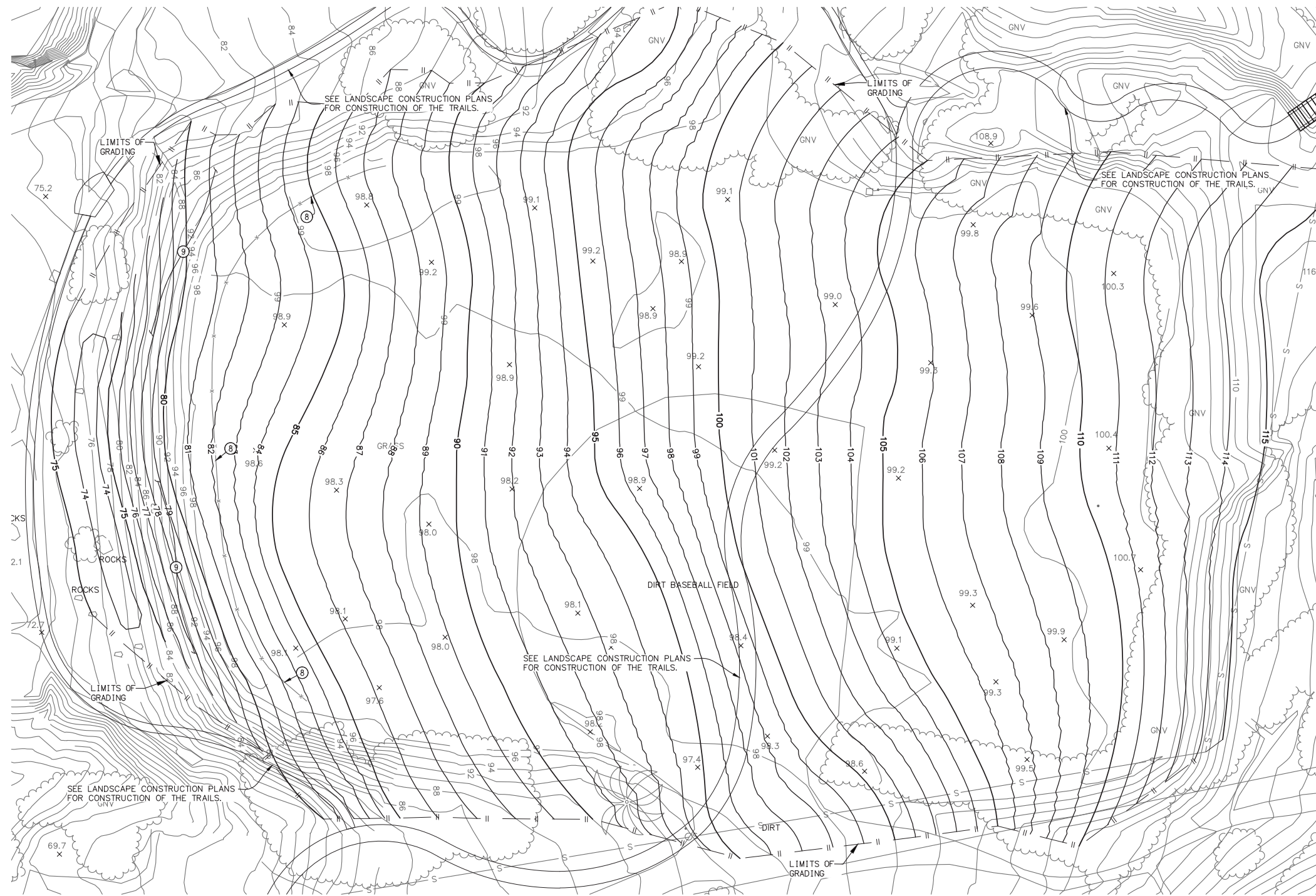
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|----------|----------|----|-------------------|
| ORIGINAL | 02/20/13 | CB | CORY SCHRACK |
| | | | DESIGNED BY: CB |
| | | | DRAWN BY: CB |
| | | | SCALE: AS SHOWN |
| | | | JOB NO. 110-091.1 |



**CITY OF SAN DIEGO
PUBLIC WORKS PROJECT**

WARNING
0 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

| CONSTRUCTION CHANGE / ADDENDUM | | | |
|--------------------------------|------|---------------------------------|--------------|
| CHANGE | DATE | AFFECTED OR ADDED SHEET NUMBERS | APPROVAL NO. |
| | | | |
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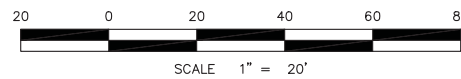
LEGEND

- EXISTING**
- S — EXISTING SANITARY SEWER
 - 110 — EXISTING CONTOURS
 - 111 — EXISTING CONTOURS
 - 120 x — EXISTING SPOT ELEVATIONS
 - EXISTING PALM TREE
 - EXISTING BRUSH
 - EXISTING ROCKS
 - x — EXISTING FENCE
- PROPOSED**
- 110 — PROPOSED CONTOURS
 - 112 — PROPOSED CONTOURS
 - LIMITS OF DEMOLITION
 - || GRADING DAYLIGHT LIMITS

CONSTRUCTION / DEMOLITION NOTES

- Ⓢ EXISTING FENCE AND FOOTINGS TO BE REMOVED.
- Ⓣ LARGE CHUNKS OF CONCRETE AND MISCELLANEOUS DEBRIS ARE ANTICIPATED DURING GRADING AND ARE TO BE REMOVED AS NEEDED.

NOTE:
CONTRACTOR TO VERIFY ELEVATIONS
AT EDGE OF FIELD TO PROVIDE
SMOOTH TRANSITION TO GRADE.



PLAN DATE IDENTIFIER
DATE OF LAST CHANGE TO THIS PLAN
05/21/2013 BY: CCB
DATE OF THIS PLAN
05/21/2013

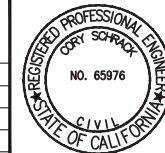
C-3

**PLANS FOR
SUNSET CLIFFS NATURAL PARK
HILLSIDE IMPROVEMENTS
DEMOLITION / GRADING PLAN**

| | | | | |
|--|------|----------|------|-------------------|
| CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 5 OF 78 SHEETS | | | | WBS _____ |
| APPROVED BY: _____ | | | | WBS _____ |
| FOR CITY ENGINEER | | DATE | | PROJECT MANAGER |
| DESCRIPTION | BY | APPROVED | DATE | FILMED |
| ORIGINAL | N.E. | | | |
| CONTRACTOR _____ DATE STARTED _____ | | | | COB27 COORDINATE |
| INSPECTOR _____ DATE COMPLETED _____ | | | | COB27 COORDINATE |
| | | | | 36768- 5-D |

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| | | | |
|----------|----------|----|----------------------------|
| REVISION | DATE | BY | PROJECT ENGR: CORY SCHRACK |
| ORIGINAL | 02/20/13 | CB | DESIGNED BY: CB |
| | | | DRAWN BY: CB |
| | | | SCALE: AS SHOWN |
| | | | JOB NO. 110-091.1 |



**CITY OF SAN DIEGO
PUBLIC WORKS PROJECT**

| CONSTRUCTION CHANGE / ADDENDUM | | | |
|--------------------------------|------|---------------------------------|--------------|
| CHANGE | DATE | AFFECTED OR ADDED SHEET NUMBERS | APPROVAL NO. |
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WARNING

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GRADING NOTES:

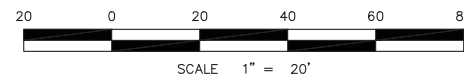
① GRADE DISTURBED GROUND FROM REMOVAL OF STRUCTURES TO MATCH EXISTING CONTOURING. FILL IN ANY HOLES LEFT FROM DEMOLITION OF FENCE OR WALL FOOTINGS, ETC.

GRADING LEGEND:

LIMITS OF GRADING -----
 CONTOUR ----- 80



C-4



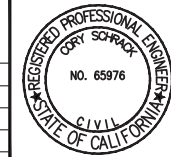
| PLAN DATE IDENTIFIER | |
|----------------------------------|------------|
| DATE OF LAST CHANGE TO THIS PLAN | 05/21/2013 |
| DATE OF THIS PLAN | 05/21/2013 |

**PLANS FOR
 SUNSET CLIFFS NATURAL PARK
 HILLSIDE IMPROVEMENTS
 GRADING PLAN**

| | | |
|--|----------------|------------------|
| CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 6 OF 78 SHEETS | | WBS _____ |
| APPROVED BY: | | WBS _____ |
| FOR CITY ENGINEER | DATE | PROJECT MANAGER |
| DESCRIPTION | BY | APPROVED |
| ORIGINAL | N.E. | |
| | | PROJECT ENGINEER |
| | | COORDINATOR |
| | | COORDINATOR |
| CONTRACTOR | DATE STARTED | 36768-6-D |
| INSPECTOR | DATE COMPLETED | |

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 4740 Ruffner Street, San Diego, California, 92111 • 858-292-7770

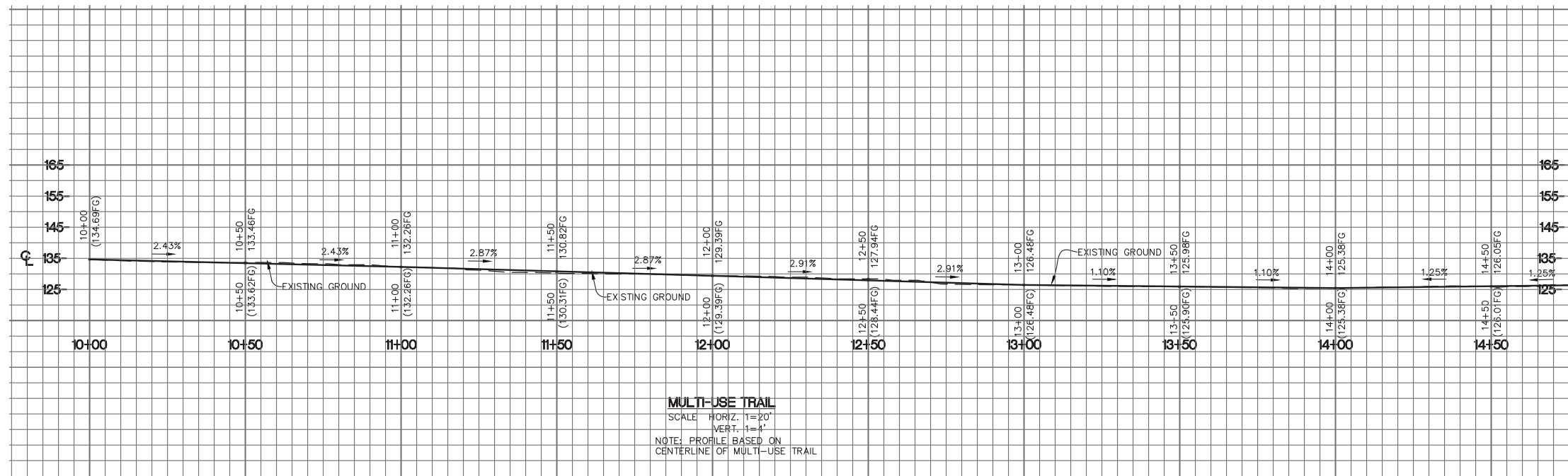
| REVISION | DATE | BY | PROJECT ENGR: |
|----------|----------|----|-------------------|
| ORIGINAL | 02/20/13 | CB | CORY SCHRACK |
| | | | DESIGNED BY: CB |
| | | | DRAWN BY: CB |
| | | | SCALE: AS SHOWN |
| | | | JOB NO. 110-091.1 |



**CITY OF SAN DIEGO
 PUBLIC WORKS PROJECT**

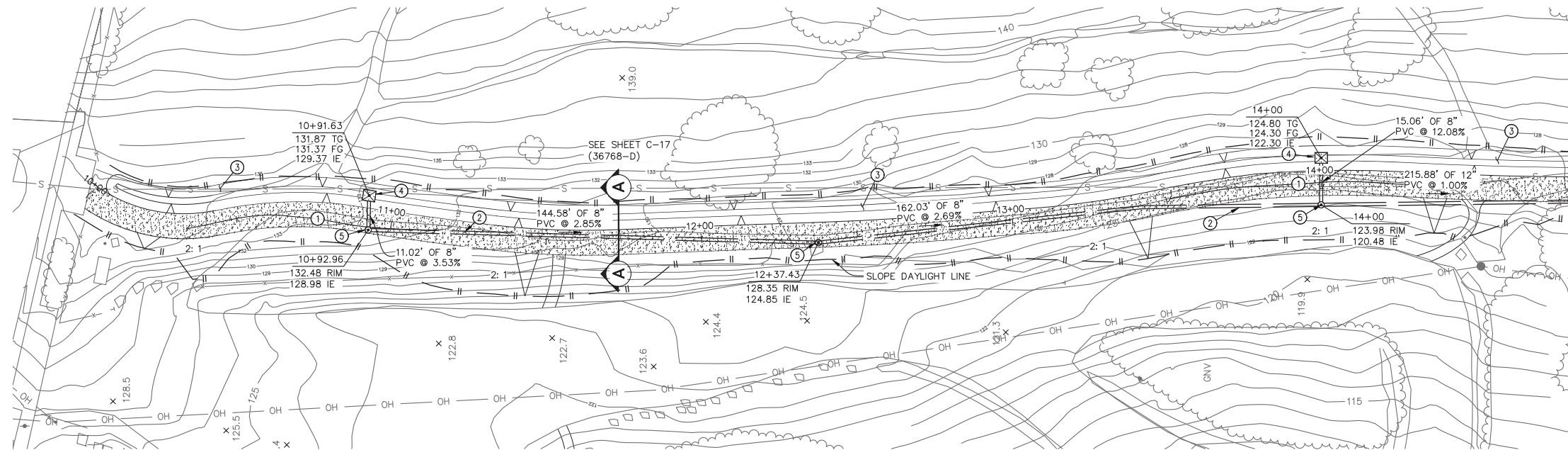
| CONSTRUCTION CHANGE / ADDENDUM | | | |
|--------------------------------|------|---------------------------------|--------------|
| CHANGE | DATE | AFFECTED OR ADDED SHEET NUMBERS | APPROVAL NO. |
| | | | |
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WARNING
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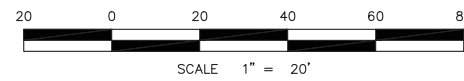


MULTI-USE TRAIL
 SCALE HORIZ. 1"=20'
 VERT. 1"=4'
 NOTE: PROFILE BASED ON
 CENTERLINE OF MULTI-USE TRAIL

PROFILE VIEW



PLAN VIEW



LEGEND

| | |
|-------------------------|-------------|
| GRADING DAYLIGHT LIMITS | — \|\| — \|\| — |
| MULTI-USE TRAIL LIMITS | — — — — — |
| TYPE G1 GRATED INLET | ■ |
| STORM DRAIN CLEANOUT | ○ |

MATCHLINE - SEE SHEET C-6

MATCHLINE - SEE SHEET C-6

- CONSTRUCTION NOTES**
- ① CONSTRUCT MULTI-USE TRAIL PER DETAIL SHEET C-15 (36768-D)
 - ② INSTALL PVC SDR-35 STORMDRAIN, SIZE AND SLOPE AS SHOWN ON PLAN. CONTRACTOR IS RESPONSIBLE FOR TRENCHING AND BACKFILL
 - ③ CONSTRUCT 8' WIDE VEGETATED SWALE PER DETAIL SHEET C-15 (36768-D)
 - ④ INSTALL TYPE G1 GRATED INLET PER SDRSD D-8
 - ⑤ INSTALL STORM DRAIN CLEANOUT PER DETAIL SHEET C-15 (36768-D)
 - ⑥ CONSTRUCT ADA TRAIL PER DETAIL SHEET C-15 (36768-D)
 - ⑦ CONSTRUCT 4' WIDE VEGETATED SWALE PER DETAIL SHEET C-15 (36768-D)

C-5

**PLANS FOR
 SUNSET CLIFFS NATURAL PARK
 HILLSIDE IMPROVEMENTS
 MULTI-USE TRAIL - PLAN AND PROFILE**

CITY OF SAN DIEGO, CALIFORNIA
 ENGINEERING AND CAPITAL PROJECTS DEPARTMENT
 SHEET 7 OF 78 SHEETS

| | | | | |
|--------------|--|-------------------|------------------|-----------------|
| APPROVED BY: | | FOR CITY ENGINEER | DATE | PROJECT MANAGER |
| DESCRIPTION | | BY | APPROVED | DATE |
| ORIGINAL | | N.E. | | |
| CONTRACTOR | | DATE STARTED | COBS/ COORDINATE | |
| INSPECTOR | | DATE COMPLETED | 36768-7-D | |

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| REVISION | DATE | BY | PROJECT ENGR. |
|--------------|----------|-----------|---------------|
| ORIGINAL | 02/20/13 | CB | CORY SCHRACK |
| DESIGNED BY: | | CB | |
| DRAWN BY: | | CB | |
| SCALE: | | AS SHOWN | |
| JOB NO. | | 110-091.1 | |



| CONSTRUCTION CHANGE / ADDENDUM | | | |
|--------------------------------|------|---------------------------------|--------------|
| CHANGE | DATE | AFFECTED OR ADDED SHEET NUMBERS | APPROVAL NO. |
| | | | |
| | | | |

WARNING

0 1

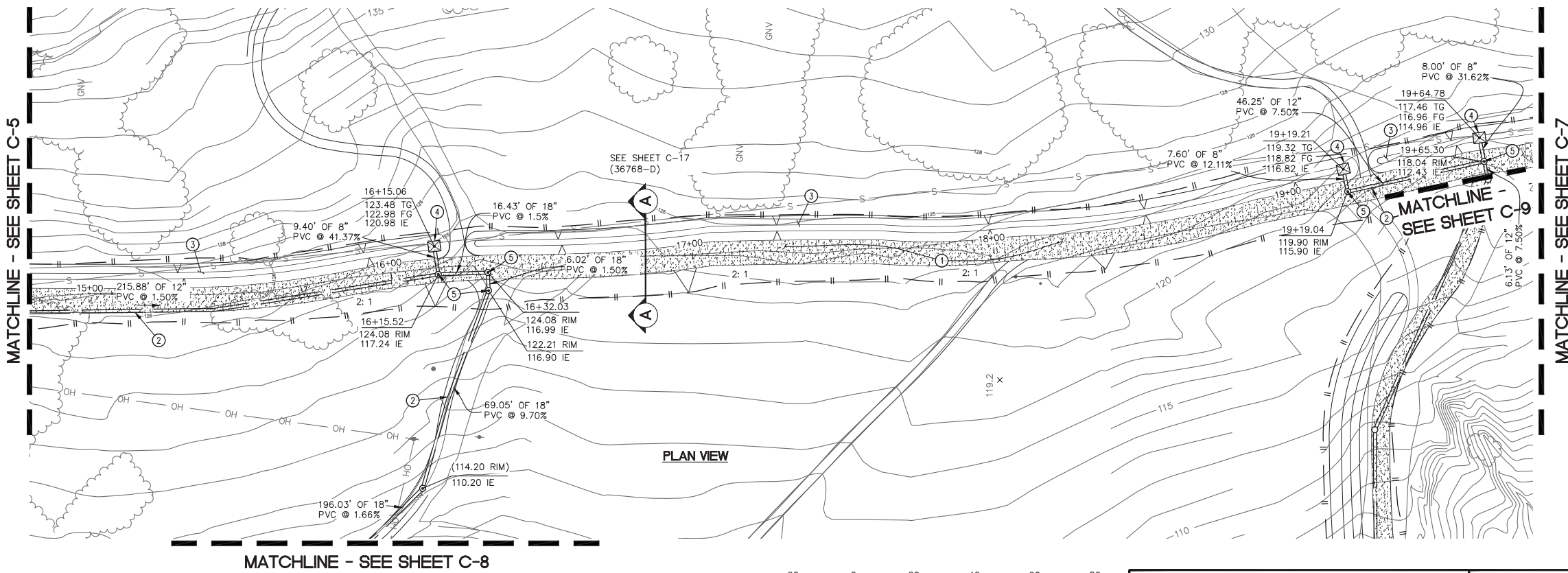
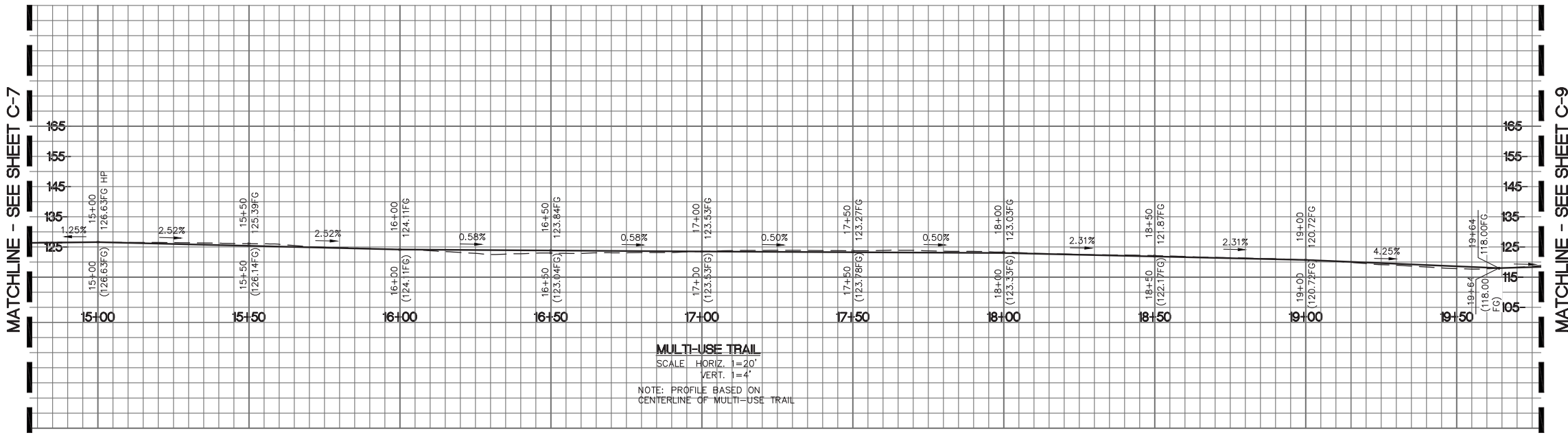
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**CITY OF SAN DIEGO
 PUBLIC WORKS PROJECT**



LEGEND

| | |
|-------------------------|-------------|
| GRADING DAYLIGHT LIMITS | — — — |
| MULTI-USE TRAIL LIMITS | — — — — — |
| TYPE G1 GRATED INLET | ■ |
| STORM DRAIN CLEANOUT | ○ |



- CONSTRUCTION NOTES**
- 1 CONSTRUCT MULTI-USE TRAIL PER DETAIL SHEET C-15 (36768-D)
 - 2 INSTALL PVC SDR-35 STORMDRAIN. SIZE AND SLOPE AS SHOWN ON PLAN. CONTRACTOR IS RESPONSIBLE FOR TRENCHING AND BACKFILL.
 - 3 CONSTRUCT 8" WIDE VEGETATED SWALE PER DETAIL SHEET C-15 (36768-D)
 - 4 INSTALL TYPE G1 GRATED INLET PER SDRSD D-8
 - 5 INSTALL STORM DRAIN CLEANOUT PER DETAIL SHEET C-15 (36768-D)
 - 6 CONSTRUCT ADA TRAIL PER DETAIL SHEET C-15 (36768-D)
 - 7 CONSTRUCT 4' WIDE VEGETATED SWALE PER DETAIL SHEET C-15 (36768-D)

PLAN DATE IDENTIFIER

| | |
|----------------------------------|----|
| DATE OF LAST CHANGE TO THIS PLAN | BY |
| 05/21/2013 | CB |
| DATE OF THIS PLAN | |
| 05/21/2013 | |

C-6

**PLANS FOR
SUNSET CLIFFS NATURAL PARK
HILLSIDE IMPROVEMENTS
MULTI-USE TRAIL - PLAN AND PROFILE**

CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING AND CAPITAL PROJECTS DEPARTMENT
SHEET 8 OF 78 SHEETS

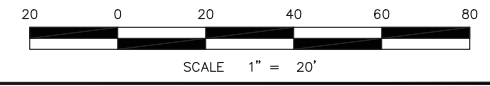
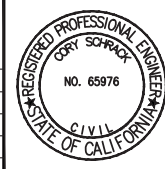
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| FOR CITY ENGINEER | | DATE | | SUBMITTED BY | |
| DESCRIPTION | BY | APPROVED | DATE | FILMED | PROJECT MANAGER |
| ORIGINAL | N.E. | | | | PROJECT ENGINEER |
| | | | | | COORDINATOR |
| | | | | | COORDINATOR |

CONTRACTOR _____ DATE STARTED _____
INSPECTOR _____ DATE COMPLETED _____

36768- 8 -D

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| REVISION | DATE | BY | PROJECT ENGR: CORY SCHRACK |
|----------|----------|----|----------------------------|
| ORIGINAL | 02/20/13 | CB | DESIGNED BY: CB |
| | | | DRAWN BY: CB |
| | | | SCALE: AS SHOWN |
| | | | JOB NO. 110-091.1 |



CONSTRUCTION CHANGE / ADDENDUM

| CHANGE | DATE | AFFECTED OR ADDED SHEET NUMBERS | APPROVAL NO. |
|--------|------|---------------------------------|--------------|
| | | | |
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WARNING

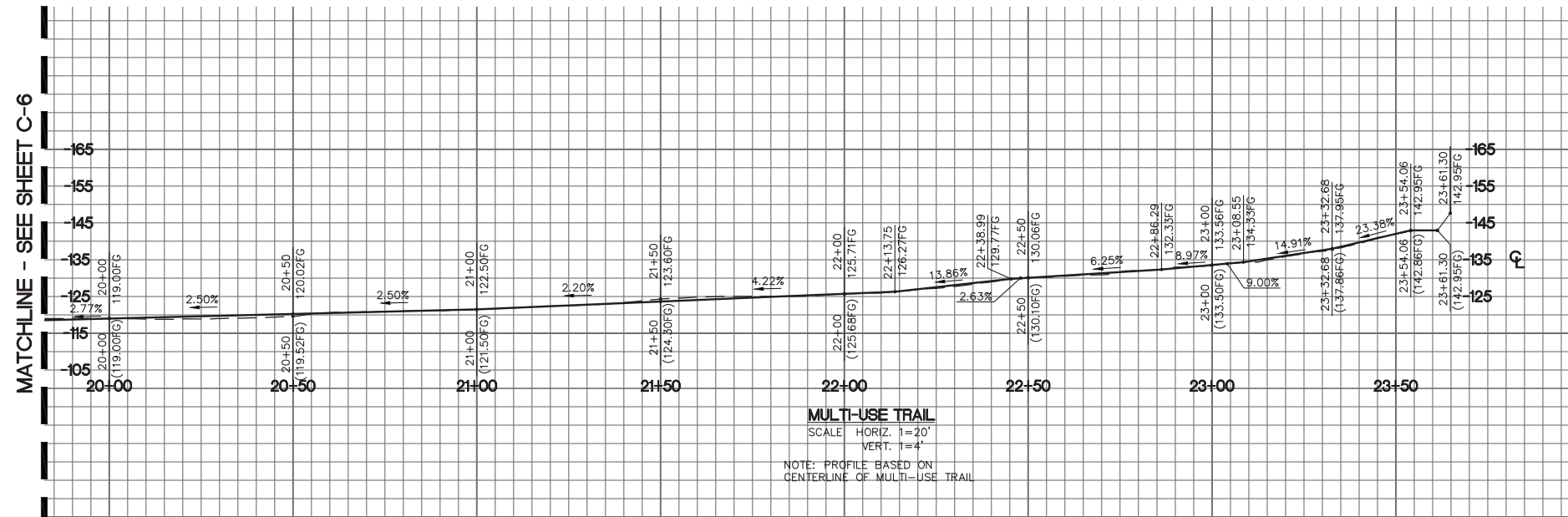
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**CITY OF SAN DIEGO
PUBLIC WORKS PROJECT**

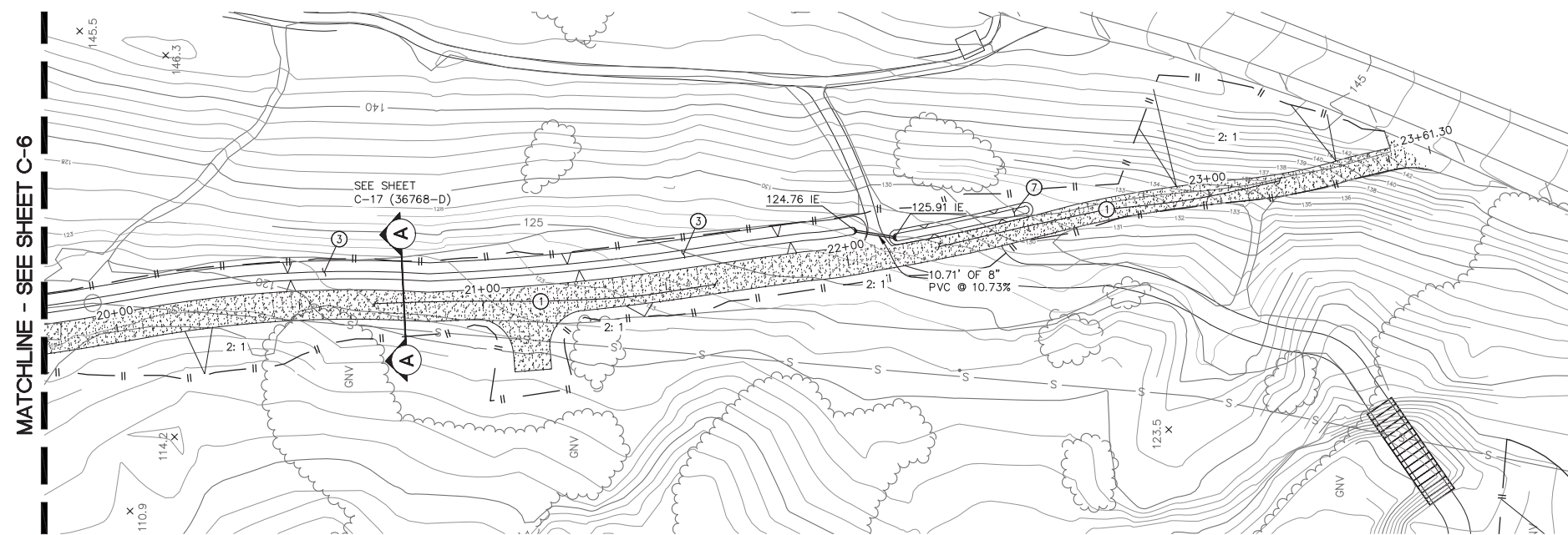


LEGEND

| | |
|-------------------------|-------------|
| GRADING DAYLIGHT LIMITS | — — — |
| MULTI-USE TRAIL LIMITS | — — — |
| TYPE G1 GRATED INLET | ■ |
| STORM DRAIN CLEANOUT | ○ |



PROFILE VIEW



PLAN VIEW

CONSTRUCTION NOTES

- ① CONSTRUCT MULTI-USE TRAIL PER DETAIL SHEET C-15 (36768-D)
- ② INSTALL PVC SDR-35 STORMDRAIN. SIZE AND SLOPE AS SHOWN ON PLAN. CONTRACTOR IS RESPONSIBLE FOR TRENCHING AND BACKFILL
- ③ CONSTRUCT 8' WIDE VEGETATED SWALE PER DETAIL SHEET C-15 (36768-D)
- ④ INSTALL TYPE G1 GRATED INLET PER SDRSD D-8
- ⑤ INSTALL STORM DRAIN CLEANOUT PER DETAIL SHEET C-15 (36768-D)
- ⑥ CONSTRUCT ADA TRAIL PER DETAIL SHEET C-15 (36768-D)
- ⑦ CONSTRUCT 4' WIDE VEGETATED SWALE PER DETAIL SHEET C-15 (36768-D)

C-7

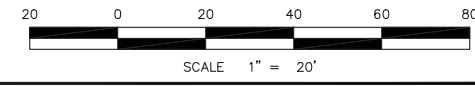
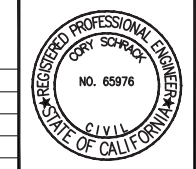
**PLANS FOR
SUNSET CLIFFS NATURAL PARK
HILLSIDE IMPROVEMENTS
MULTI-USE TRAIL - PLAN AND PROFILE**

| | | | | |
|--|------|----------|------|------------------------|
| CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 9 OF 78 SHEETS | | | | WBS _____ WBS _____ |
| APPROVED BY: _____ DATE: _____ | | | | PROJECT MANAGER |
| FOR CITY ENGINEER | BY | APPROVED | DATE | FILMED |
| ORIGINAL | N.E. | | | |
| CONTRACTOR _____ DATE STARTED _____ | | | | COBBS COORDINATE |
| INSPECTOR _____ DATE COMPLETED _____ | | | | COBBS COORDINATE |
| | | | | 36768-9-D |

| PLAN DATE IDENTIFIER |
|--|
| DATE OF LAST CHANGE TO THIS PLAN 05/21/2013 BY: CCB |
| DATE OF THIS PLAN 05/21/2013 |

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| REVISION | DATE | BY | PROJECT ENGR: CORY SCHRACK |
|----------|----------|----|---|
| ORIGINAL | 02/20/13 | CB | DESIGNED BY: _____ DRAWN BY: _____ SCALE: AS SHOWN JOB NO. 110-091.1 |

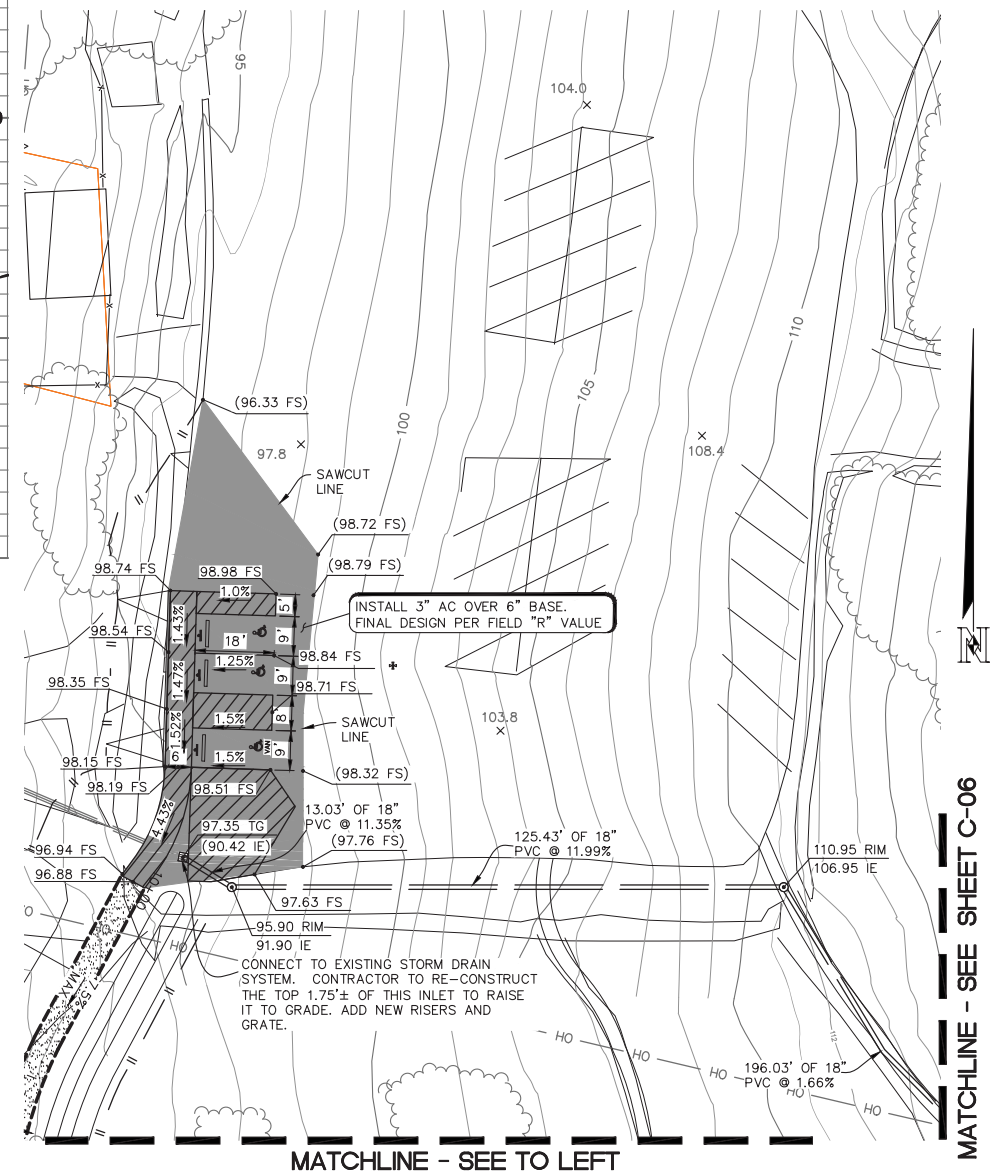
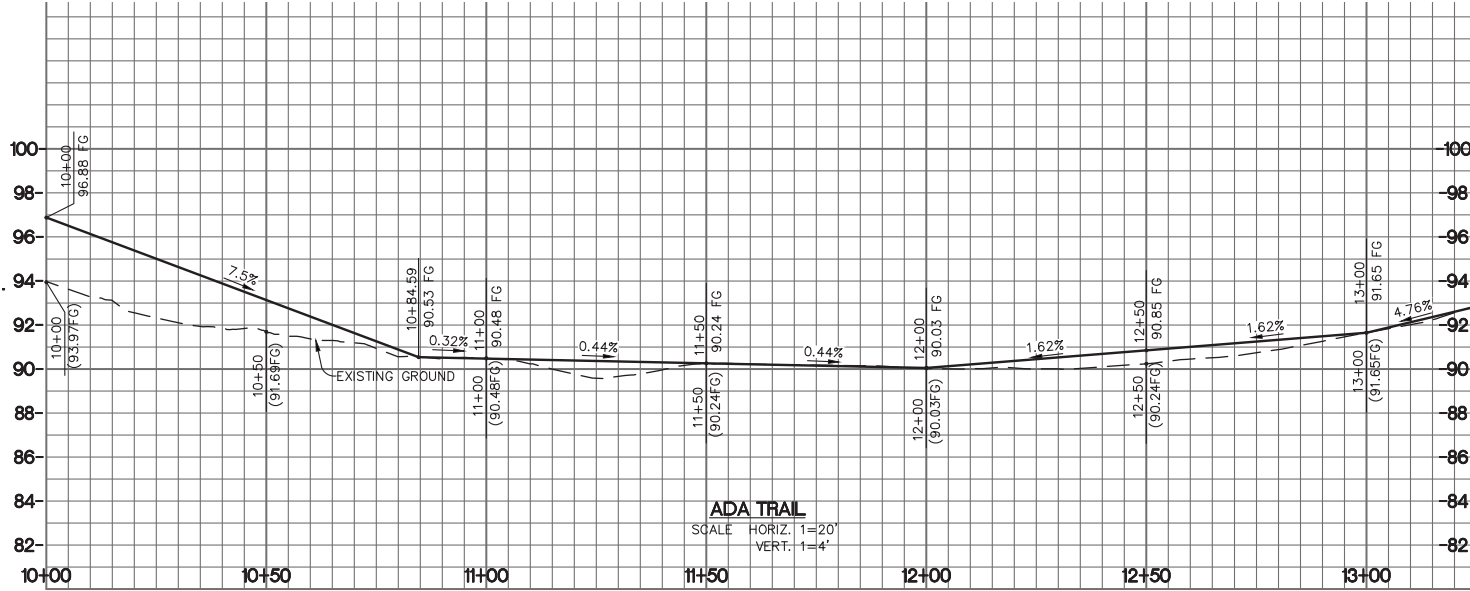
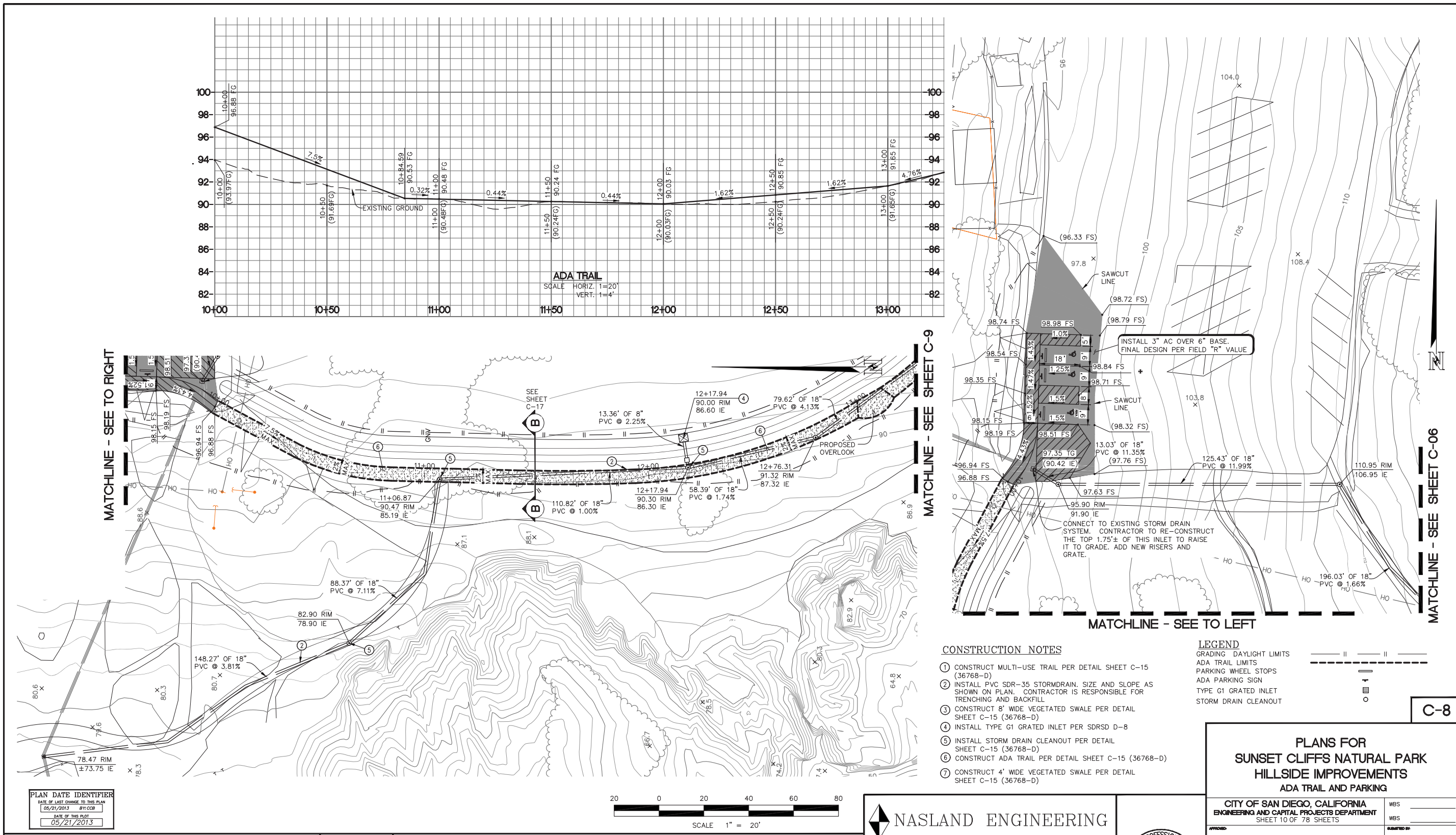


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**CITY OF SAN DIEGO
PUBLIC WORKS PROJECT**



| CONSTRUCTION CHANGE / ADDENDUM | | | |
|--------------------------------|------|---------------------------------|--------------|
| CHANGE | DATE | AFFECTED OR ADDED SHEET NUMBERS | APPROVAL NO. |
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CONSTRUCTION NOTES

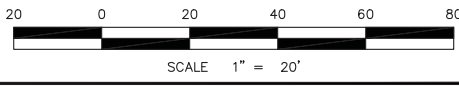
- ① CONSTRUCT MULTI-USE TRAIL PER DETAIL SHEET C-15 (36768-D)
- ② INSTALL PVC SDR-35 STORMDRAIN. SIZE AND SLOPE AS SHOWN ON PLAN. CONTRACTOR IS RESPONSIBLE FOR TRENCHING AND BACKFILL
- ③ CONSTRUCT 8' WIDE VEGETATED SWALE PER DETAIL SHEET C-15 (36768-D)
- ④ INSTALL TYPE G1 GRATED INLET PER SDRSS D-8
- ⑤ INSTALL STORM DRAIN CLEANOUT PER DETAIL SHEET C-15 (36768-D)
- ⑥ CONSTRUCT ADA TRAIL PER DETAIL SHEET C-15 (36768-D)
- ⑦ CONSTRUCT 4' WIDE VEGETATED SWALE PER DETAIL SHEET C-15 (36768-D)

LEGEND

- GRADING DAYLIGHT LIMITS
- ADA TRAIL LIMITS
- PARKING WHEEL STOPS
- ADA PARKING SIGN
- TYPE G1 GRATED INLET
- STORM DRAIN CLEANOUT

PLAN DATE IDENTIFIER

| | |
|----------------------------------|--------|
| DATE OF LAST CHANGE TO THIS PLAN | BY |
| 05/21/2013 | BY:CCB |
| DATE OF THIS PLAN | |
| 05/21/2013 | |



CONSTRUCTION CHANGE / ADDENDUM

| CHANGE | DATE | AFFECTED OR ADDED SHEET NUMBERS | APPROVAL NO. |
|--------|------|---------------------------------|--------------|
| | | | |
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WARNING

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**CITY OF SAN DIEGO
PUBLIC WORKS PROJECT**



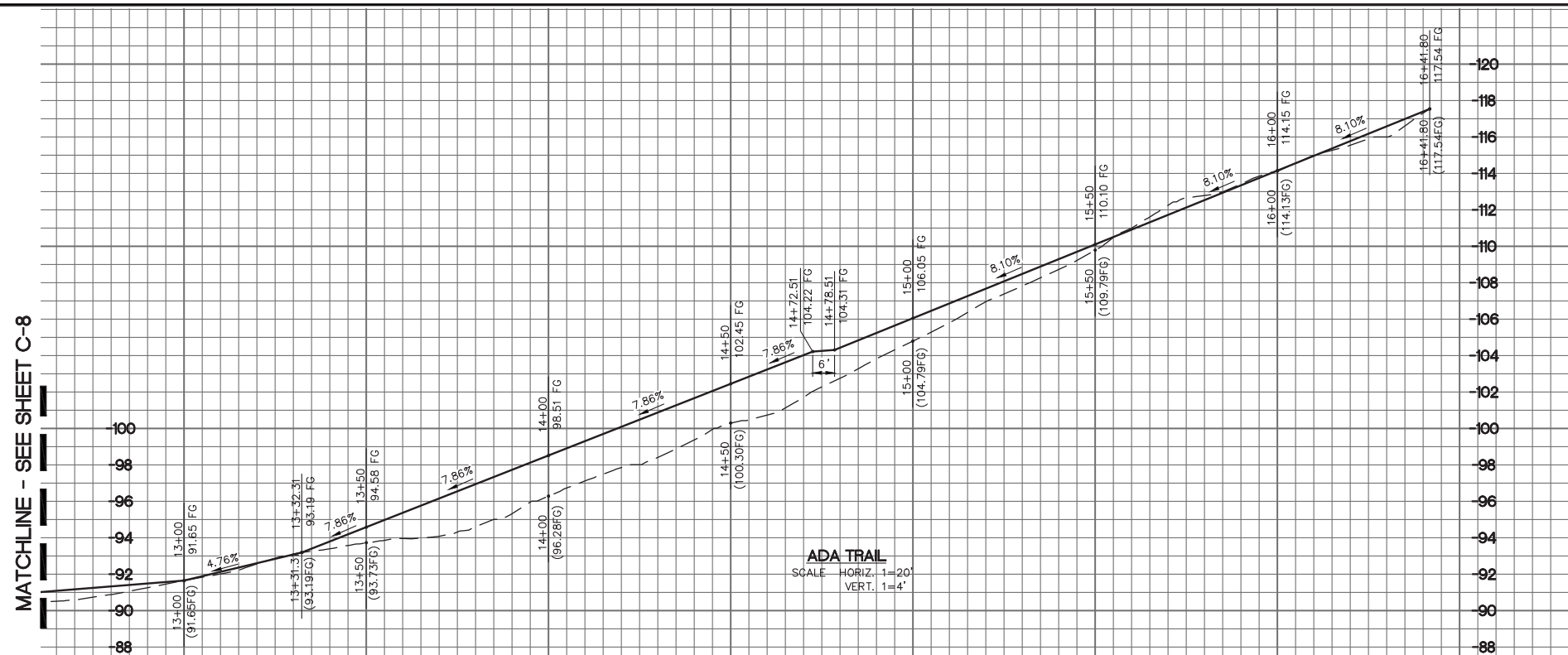
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| REVISION | DATE | BY | PROJECT ENGR: CORY SCHRACK |
|----------|----------|----|----------------------------|
| ORIGINAL | 02/20/13 | CB | DESIGNED BY: CB |
| | | | DRAWN BY: CB |
| | | | SCALE: AS SHOWN |
| | | | JOB NO. 110-091.1 |



**PLANS FOR
SUNSET CLIFFS NATURAL PARK
HILLSIDE IMPROVEMENTS
ADA TRAIL AND PARKING**

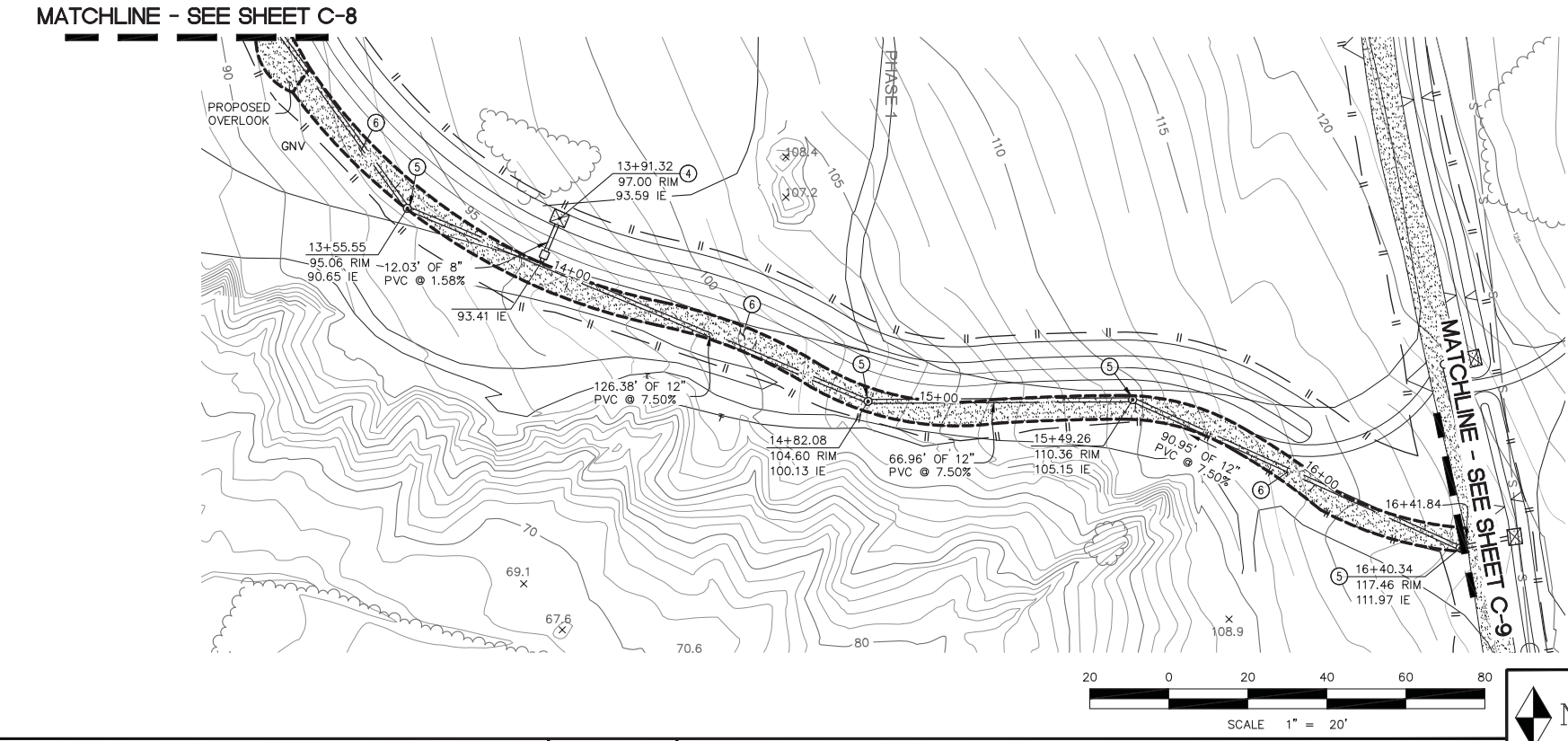
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|---|------|----------|------|------------------------|
| CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 10 OF 78 SHEETS | | | | WBS _____ |
| APPROVED BY: _____ | | | | WBS _____ |
| FOR CITY ENGINEER _____ DATE _____ | | | | PROJECT MANAGER _____ |
| DESCRIPTION | BY | APPROVED | DATE | FILMED |
| ORIGINAL | N.E. | | | |
| CONTRACTOR _____ DATE STARTED _____ | | | | PROJECT ENGINEER _____ |
| INSPECTOR _____ DATE COMPLETED _____ | | | | COB27 COORDINATE _____ |
| | | | | COB83 COORDINATE _____ |
| | | | | 36768-10-D |



LEGEND

| | |
|-------------------------|---------|
| GRADING DAYLIGHT LIMITS | —\|\|—\|\|— |
| ADA TRAIL LIMITS | —\|\|—\|\|— |
| PARKING WHEEL STOPS | —\|\|—\|\|— |
| ADA PARKING SIGN | —\|\|—\|\|— |
| TYPE G1 GRATED INLET | ○ |
| STORM DRAIN CLEANOUT | ○ |

- CONSTRUCTION NOTES**
- ① CONSTRUCT MULTI-USE TRAIL PER DETAIL SHEET C-15 (36768-D)
 - ② INSTALL PVC SDR-35 STORMDRAIN. SIZE AND SLOPE AS SHOWN ON PLAN. CONTRACTOR IS RESPONSIBLE FOR TRENCHING AND BACKFILL
 - ③ CONSTRUCT 8' WIDE VEGETATED SWALE PER DETAIL SHEET C-15 (36768-D)
 - ④ INSTALL TYPE G1 GRATED INLET PER SDRSD D-8
 - ⑤ INSTALL STORM DRAIN CLEANOUT PER DETAIL SHEET C-15 (36768-D)
 - ⑥ CONSTRUCT ADA TRAIL PER DETAIL SHEET C-15 (36768-D)
 - ⑦ CONSTRUCT 4' WIDE VEGETATED SWALE PER DETAIL SHEET C-15 (36768-D)



| CONSTRUCTION CHANGE / ADDENDUM | | | |
|--------------------------------|------|---------------------------------|--------------|
| CHANGE | DATE | AFFECTED OR ADDED SHEET NUMBERS | APPROVAL NO. |
| | | | |
| | | | |

WARNING

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**CITY OF SAN DIEGO
PUBLIC WORKS PROJECT**

NASLAND ENGINEERING
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4740 Rufner Street, San Diego, California, 92111 • 858-292-7770

| REVISION | DATE | BY | PROJECT ENGR: CORY SCHRACK |
|----------|----------|----|---|
| ORIGINAL | 02/20/13 | CB | DESIGNED BY: CB DRAWN BY: CB SCALE: AS SHOWN JOB NO. 110-091.1 |

PLAN DATE IDENTIFIER
DATE OF LAST CHANGE TO THIS PLAN: 05/21/2013
DATE OF THIS PLAN: 05/21/2013



**PLANS FOR
SUNSET CLIFFS NATURAL PARK
HILLSIDE IMPROVEMENTS
ADA TRAIL AND PARKING**

CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING AND CAPITAL PROJECTS DEPARTMENT
SHEET 11 OF 78 SHEETS

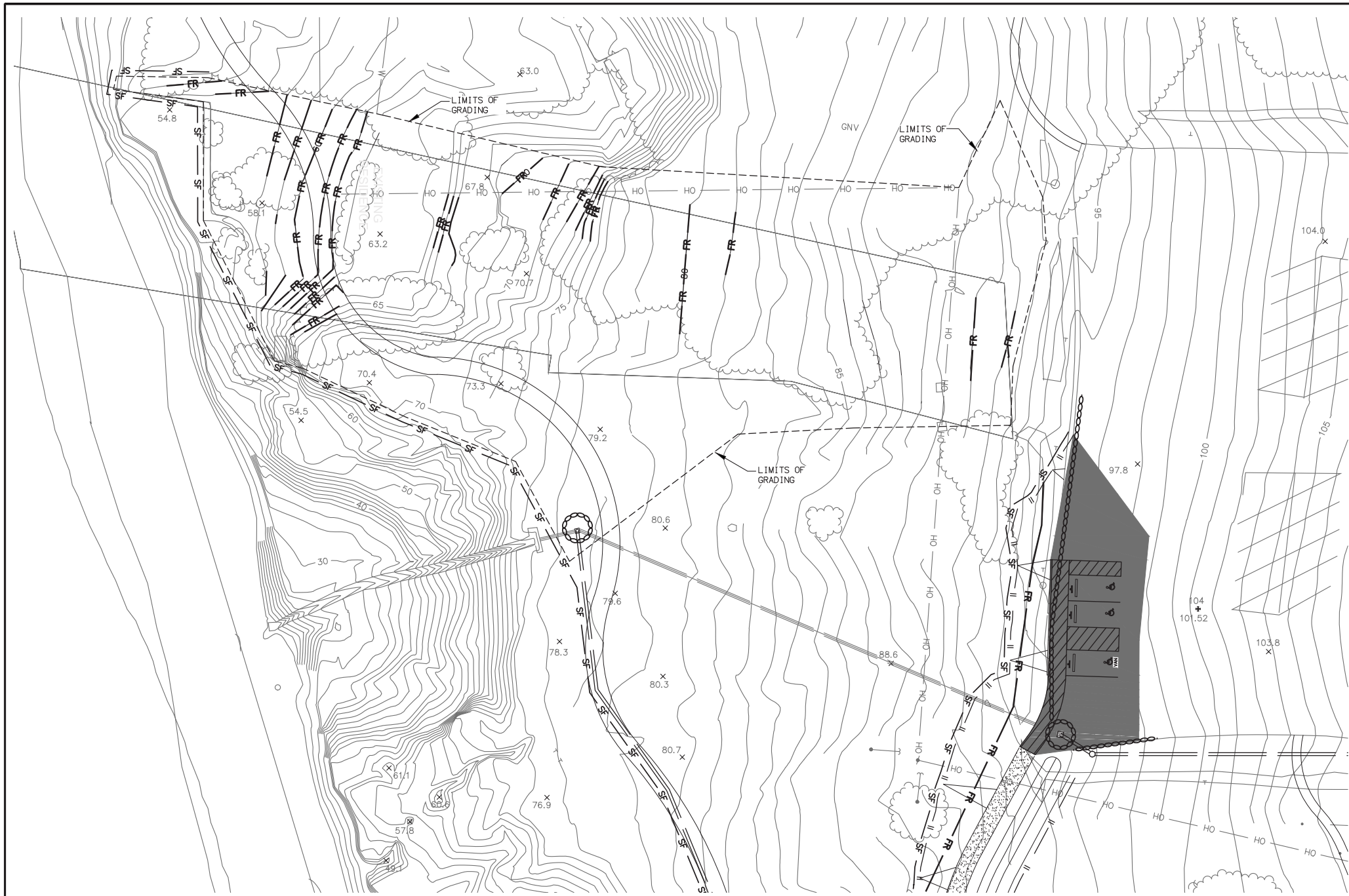
| FOR CITY ENGINEER | DATE | WBS |
|-------------------|------|-----|
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| DESCRIPTION | BY | APPROVED | DATE | FILMED | PROJECT MANAGER |
|-------------|------|----------|------|--------|-----------------|
| ORIGINAL | N.E. | | | | |

CONTRACTOR: _____ DATE STARTED: _____
INSPECTOR: _____ DATE COMPLETED: _____

36768-11-D

C-9

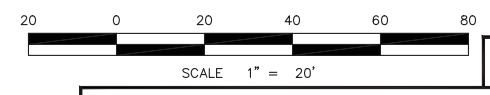


EROSION CONTROL LEGEND:

- GRAVEL BAG PER CASQA FACT SHEET SE-6
- STABILIZED CONSTRUCTION ENTRANCE PER CASQA FACT SHEET TC-1
- PROPOSED DG MULTI-USE TRAIL
- FIBER ROLL PER CASQA FACT SHEET SE-5
- SILT FENCE PER CASQA FACT SHEET SE-1

NOTE:
REFER TO SWPPP FOR ADDITIONAL
INFORMATION AND REQUIREMENTS

NOTE:
REFER TO CIVIL COVER
SHEET FOR KEY MAP



C-10

| PLAN DATE IDENTIFIER | |
|----------------------------------|----|
| DATE OF LAST CHANGE TO THIS PLAN | BY |
| 05/21/2013 | CB |
| DATE OF THIS PLAN | BY |
| 05/21/2013 | CB |

**PLANS FOR
SUNSET CLIFFS NATURAL PARK
HILLSIDE IMPROVEMENTS
CONSTRUCTION PHASE TEMPORARY
EROSION CONTROL PLAN**

CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING AND CAPITAL PROJECTS DEPARTMENT
SHEET 12 OF 78 SHEETS

| | | |
|--------------------|----------------|----------|
| APPROVED BY: | DATE: | WBS: |
| FOR CITY ENGINEER: | DATE: | WBS: |
| DESCRIPTION | BY | APPROVED |
| ORIGINAL | N.E. | |
| | | DATE |
| | | FILED |
| | | |
| | | |
| CONTRACTOR | DATE STARTED | |
| INSPECTOR | DATE COMPLETED | |

36768-12-D

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4740 Ruffner Street, San Diego, California, 92111 • 658-292-7770

| REVISION | DATE | BY | PROJECT ENGR. |
|----------|----------|----|-------------------|
| ORIGINAL | 02/20/13 | CB | CORY SCHRACK |
| | | | DESIGNED BY: CB |
| | | | DRAWN BY: CB |
| | | | SCALE: AS SHOWN |
| | | | JOB NO. 110-091.1 |



| CONSTRUCTION CHANGE / ADDENDUM | | | |
|--------------------------------|------|---------------------------------|--------------|
| CHANGE | DATE | AFFECTED OR ADDED SHEET NUMBERS | APPROVAL NO. |
| | | | |
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WARNING

0 1

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

**CITY OF SAN DIEGO
PUBLIC WORKS PROJECT**

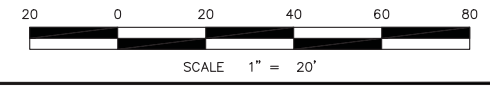
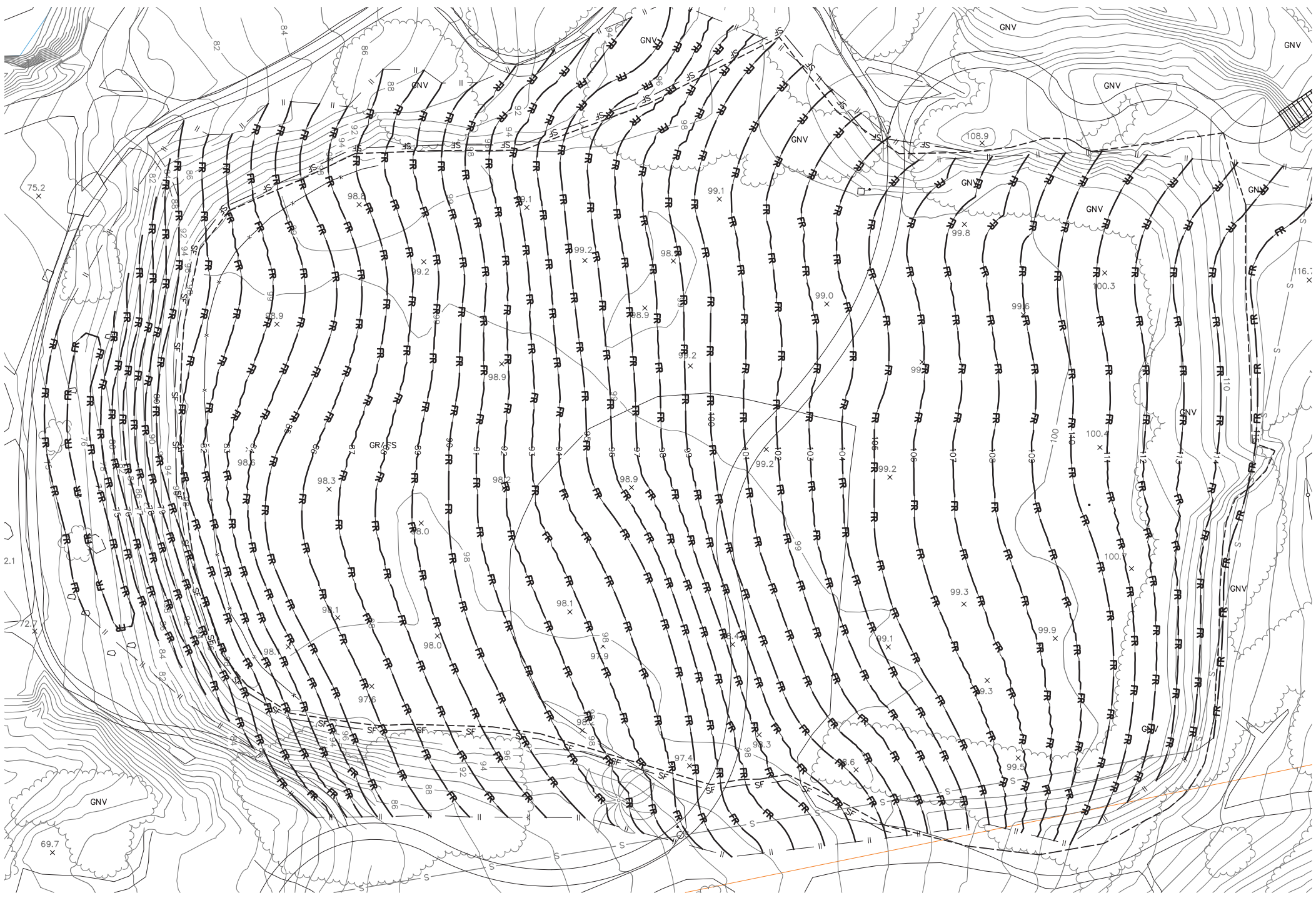


EROSION CONTROL LEGEND:

- GRAVEL BAG PER CASQA FACT SHEET SE-6
- STABILIZED CONSTRUCTION ENTRANCE PER CASQA FACT SHEET TC-1
- PROPOSED DG MULTI-USE TRAIL
- FIBER ROLL PER CASQA FACT SHEET SE-5
- SILT FENCE PER CASQA FACT SHEET SE-1

NOTE:
REFER TO SWPPP FOR ADDITIONAL INFORMATION AND REQUIREMENTS

NOTE:
REFER TO CIVIL COVER SHEET FOR KEY MAP



C-11

| PLAN DATE IDENTIFIER | |
|----------------------------------|----|
| DATE OF LAST CHANGE TO THIS PLAN | BY |
| 05/21/2013 | CB |
| DATE OF THIS PLAN | BY |
| 05/21/2013 | CB |

| PLANS FOR SUNSET CLIFFS NATURAL PARK HILLSIDE IMPROVEMENTS CONSTRUCTION PHASE TEMPORARY EROSION CONTROL PLAN | | | | |
|--|----------------|------------|------|------------------|
| CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 13 OF 78 SHEETS | | | | |
| APPROVED BY | DATE | WBS | WBS | PROJECT MANAGER |
| FOR CITY ENGINEER | | | | PROJECT ENGINEER |
| DESCRIPTION | BY | APPROVED | DATE | FILMED |
| ORIGINAL | N.E. | | | |
| | | | | COB87 COORDINATE |
| | | | | COB88 COORDINATE |
| CONTRACTOR | DATE STARTED | 36768-13-D | | |
| INSPECTOR | DATE COMPLETED | | | |

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4740 Ruffner Street, San Diego, California, 92111 • 658-292-7770

| REVISION | DATE | BY | PROJECT ENGR. |
|----------|----------|----|-------------------|
| ORIGINAL | 02/20/13 | CB | CORY SCHRACK |
| | | | DESIGNED BY: CB |
| | | | DRAWN BY: CB |
| | | | SCALE: AS SHOWN |
| | | | JOB NO. 110-091.1 |



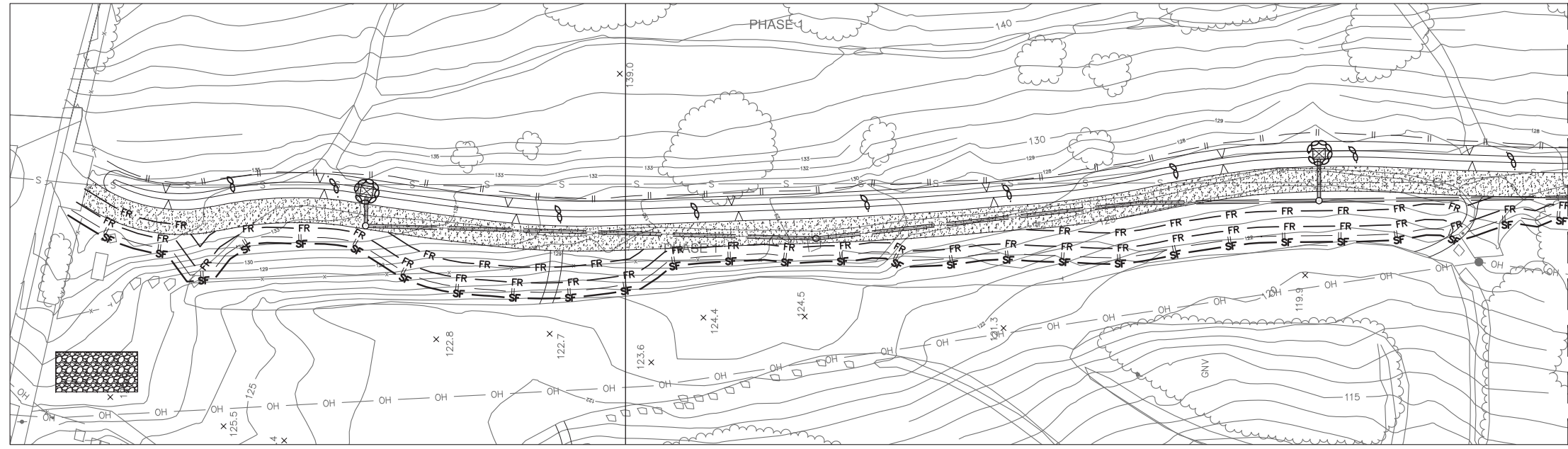
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|--------------------------------|------|---------------------------------|--------------|
| CHANGE | DATE | AFFECTED OR ADDED SHEET NUMBERS | APPROVAL NO. |
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WARNING

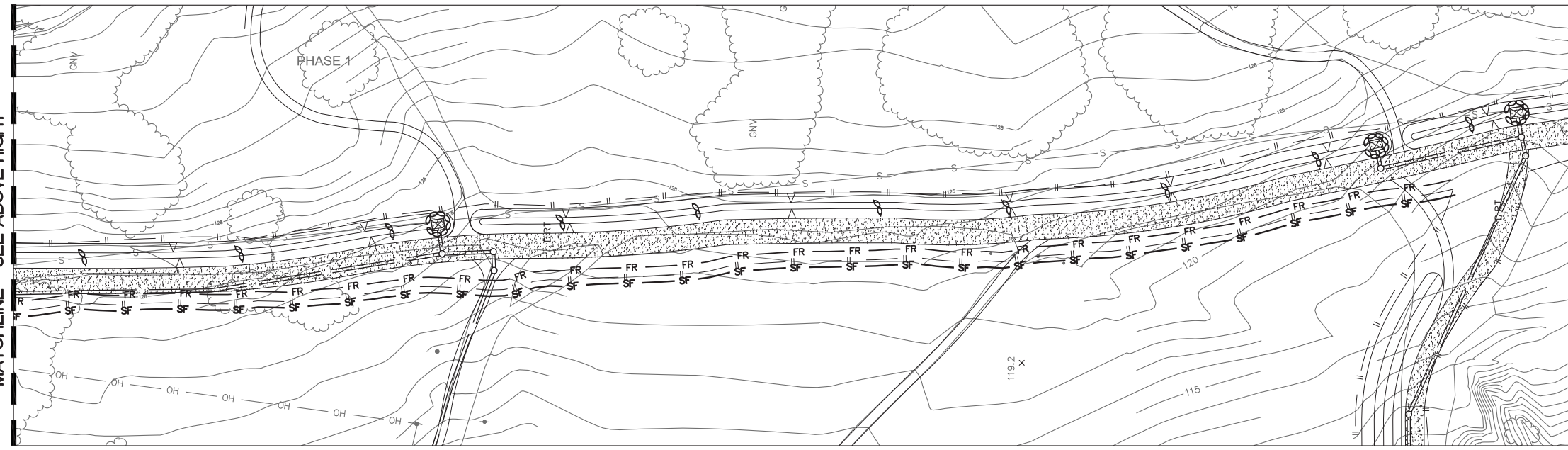
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

**CITY OF SAN DIEGO
PUBLIC WORKS PROJECT**





MATCHLINE - SEE BELOW LEFT



MATCHLINE - SEE ABOVE RIGHT

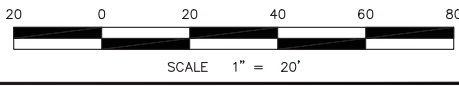
MATCHLINE - SEE SHEET C-13

EROSION CONTROL LEGEND:

- GRAVEL BAG PER CASQA FACT SHEET SE-6
- STABILIZED CONSTRUCTION ENTRANCE PER CASQA FACT SHEET TC-1
- PROPOSED DG MULTI-USE TRAIL
- FIBER ROLL PER CASQA FACT SHEET SE-5
- SILT FENCE PER CASQA FACT SHEET SE-1

NOTE:
REFER TO SWPPP FOR ADDITIONAL
INFORMATION AND REQUIREMENTS

NOTE:
REFER TO CIVIL COVER
SHEET FOR KEY MAP



PLAN DATE IDENTIFIER
DATE OF LAST CHANGE TO THIS PLAN
02/21/2013 BY: CBP
DATE OF THIS PLAN
05/21/2013

C-12

**PLANS FOR
SUNSET CLIFFS NATURAL PARK
HILLSIDE IMPROVEMENTS
CONSTRUCTION PHASE TEMPORARY
EROSION CONTROL PLAN**

CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING AND CAPITAL PROJECTS DEPARTMENT
SHEET 14 OF 78 SHEETS

| | | | | |
|-------------------|------|----------|------|----------------|
| FOR CITY ENGINEER | | DATE | | WBS |
| DESCRIPTION | BY | APPROVED | DATE | FILMED |
| ORIGINAL | N.E. | | | |
| CONTRACTOR | | | | DATE STARTED |
| INSPECTOR | | | | DATE COMPLETED |

36768-14-D

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4740 Ruffner Street, San Diego, California, 92111 • 658-292-7770

| | | | |
|----------|----------|----|----------------------------|
| REVISION | DATE | BY | PROJECT ENGR: CORY SCHRACK |
| ORIGINAL | 02/20/13 | CB | DESIGNED BY: CB |
| | | | DRAWN BY: CB |
| | | | SCALE: AS SHOWN |
| | | | JOB NO. 110-091.1 |



| CONSTRUCTION CHANGE / ADDENDUM | | | |
|--------------------------------|------|---------------------------------|--------------|
| CHANGE | DATE | AFFECTED OR ADDED SHEET NUMBERS | APPROVAL NO. |
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WARNING
0 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

**CITY OF SAN DIEGO
PUBLIC WORKS PROJECT**





MATCHLINE - SEE SHEET C-12

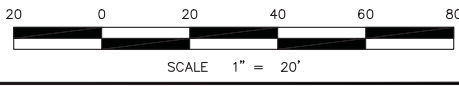
EROSION CONTROL LEGEND:

- GRAVEL BAG
- PER CASQA FACT SHEET SE-6
- STABILIZED CONSTRUCTION ENTRANCE
- PER CASQA FACT SHEET TC-1
- PROPOSED DG MULTI-USE TRAIL
- FIBER ROLL
- PER CASQA FACT SHEET SE-5
- SILT FENCE
- PER CASQA FACT SHEET SE-1

NOTE:
REFER TO SWPPP FOR ADDITIONAL
INFORMATION AND REQUIREMENTS

NOTE:
REFER TO CIVIL COVER
SHEET FOR KEY MAP

C-13



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| | | | |
|----------|----------|----|----------------------------|
| REVISION | DATE | BY | PROJECT ENGR: CORY SCHRACK |
| ORIGINAL | 02/20/13 | CB | DESIGNED BY: CB |
| | | | DRAWN BY: CB |
| | | | SCALE: AS SHOWN |
| | | | JOB NO. 110-091.1 |

PLAN DATE IDENTIFIER
DATE OF LAST CHANGE TO THIS PLAN
05/21/2013 BY: CCB
DATE OF THIS PLAN
05/21/2013



**PLANS FOR
SUNSET CLIFFS NATURAL PARK
HILLSIDE IMPROVEMENTS
CONSTRUCTION PHASE TEMPORARY
EROSION CONTROL PLAN**

CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING AND CAPITAL PROJECTS DEPARTMENT
SHEET 15 OF 78 SHEETS

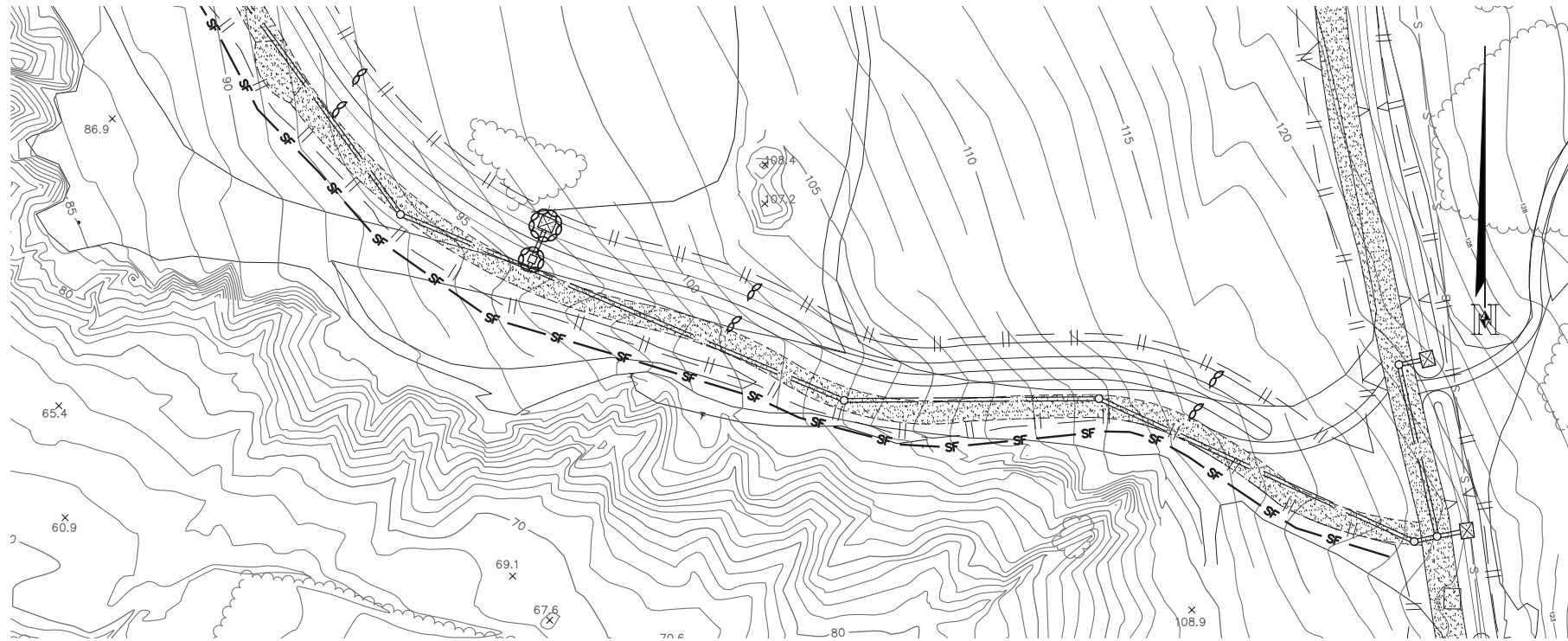
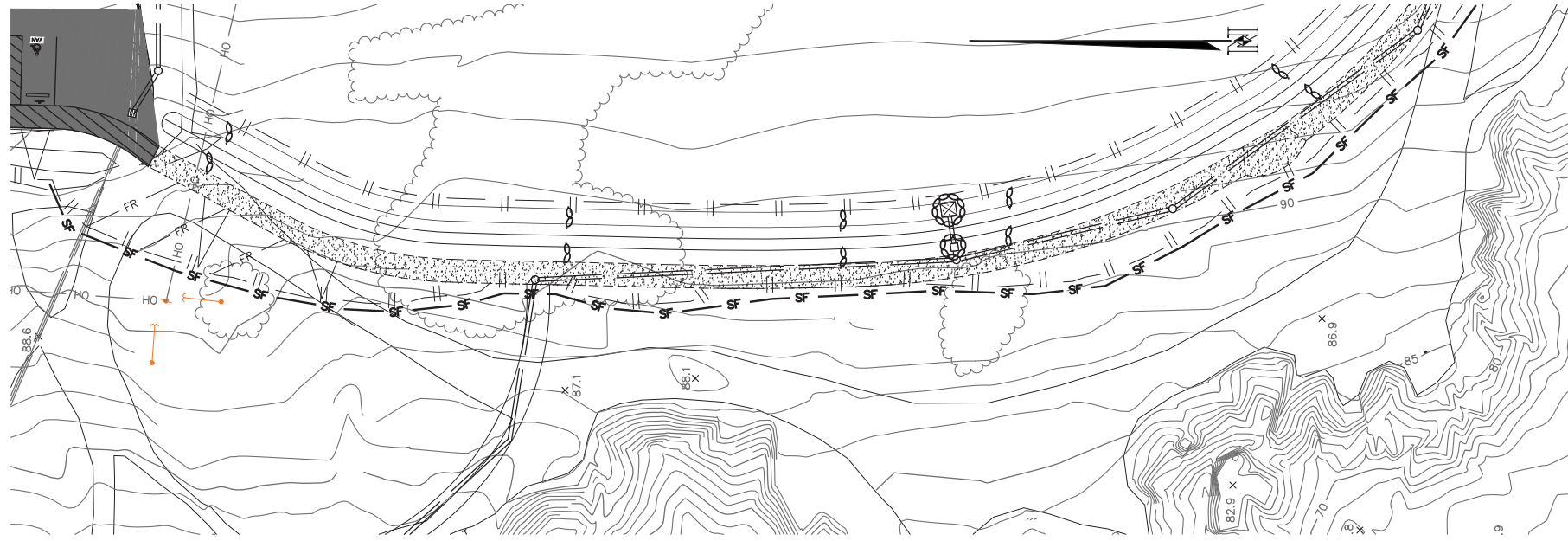
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|-------------------|------|----------------|------|--------------|------------------|
| FOR CITY ENGINEER | | DATE | | SUBMITTED BY | |
| DESCRIPTION | BY | APPROVED | DATE | FILMED | PROJECT MANAGER |
| ORIGINAL | N.E. | | | | PROJECT ENGINEER |
| | | | | | COB27 COORDINATE |
| | | | | | COB83 COORDINATE |
| CONTRACTOR | | DATE STARTED | | 36768-15-D | |
| INSPECTOR | | DATE COMPLETED | | | |

| CONSTRUCTION CHANGE / ADDENDUM | | | |
|--------------------------------|------|---------------------------------|--------------|
| CHANGE | DATE | AFFECTED OR ADDED SHEET NUMBERS | APPROVAL NO. |
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WARNING
0 1
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**CITY OF SAN DIEGO
PUBLIC WORKS PROJECT**



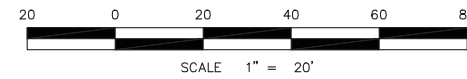


EROSION CONTROL LEGEND:

- GRAVEL BAG PER CASQA FACT SHEET SE-6
- STABILIZED CONSTRUCTION ENTRANCE PER CASQA FACT SHEET TC-1
- PROPOSED DG MULTI-USE TRAIL
- FIBER ROLL PER CASQA FACT SHEET SE-5
- SILT FENCE PER CASQA FACT SHEET SE-1

NOTE:
REFER TO SWPPP FOR ADDITIONAL
INFORMATION AND REQUIREMENTS

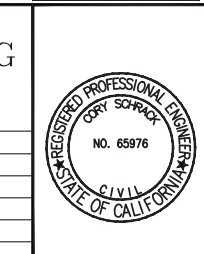
NOTE:
REFER TO CIVIL COVER
SHEET FOR KEY MAP



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|----------------------------------|----------------------|
| PLAN DATE IDENTIFIER | |
| DATE OF LAST CHANGE TO THIS PLAN | 05/21/2013 870-CB |
| DATE OF THIS PLAN | 05/21/2013 |

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| | | | |
|----------|----------|----|-----------------------------|
| REVISION | DATE | BY | PROJECT ENGR: CORY SCHRACK |
| ORIGINAL | 02/20/13 | CB | DESIGNED BY: CB |
| | | | DRAWN BY: CB |
| | | | SCALE: AS SHOWN |
| | | | JOB NO. 110-091.1 |



**PLANS FOR
SUNSET CLIFFS NATURAL PARK
HILLSIDE IMPROVEMENTS
CONSTRUCTION PHASE TEMPORARY
EROSION CONTROL PLAN**

CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING AND CAPITAL PROJECTS DEPARTMENT
SHEET 16 OF 78 SHEETS

| | | | |
|-------------------|------|----------|------------------|
| FOR CITY ENGINEER | | DATE | WBS |
| DESCRIPTION | BY | APPROVED | DATE |
| ORIGINAL | N.E. | | |
| PROJECT ENGINEER | | | WBS |
| COB27 COORDINATE | | | COB27 COORDINATE |
| CONTRACTOR | | | DATE STARTED |
| INSPECTOR | | | DATE COMPLETED |

36768-16-D

C-14

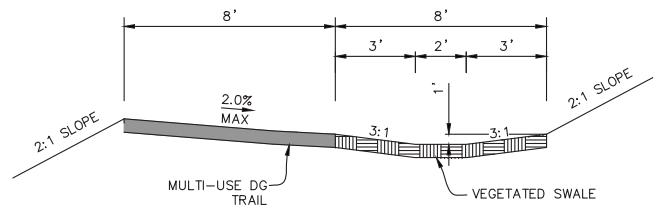
| CONSTRUCTION CHANGE / ADDENDUM | | | |
|--------------------------------|------|---------------------------------|--------------|
| CHANGE | DATE | AFFECTED OR ADDED SHEET NUMBERS | APPROVAL NO. |
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WARNING

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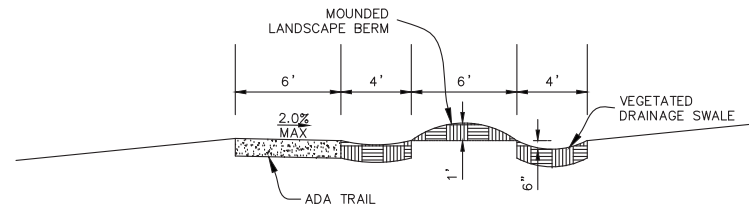
**CITY OF SAN DIEGO
PUBLIC WORKS PROJECT**





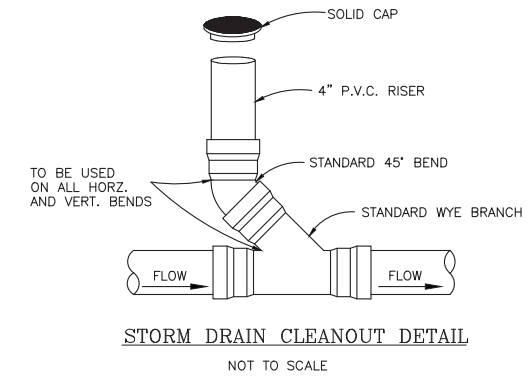
REFER TO LANDSCAPE PLANS FOR PLANTING MATERIAL AND ADDITIONAL DETAILS FOR THE MULTI USE TRAIL.

SECTION A-A
MULTI-USE TRAIL TYPICAL SECTION
 NOT TO SCALE



REFER TO LANDSCAPE PLANS FOR PLANTING MATERIAL AND ADDITIONAL DETAILS FOR THE ADA TRAIL.

SECTION B-B
ADA TRAIL TYPICAL SECTION
 NOT TO SCALE



STORM DRAIN CLEANOUT DETAIL
 NOT TO SCALE

C-15

SUNSET CLIFFS NATURAL PARK 100% SUBMITTAL

| PLAN DATE IDENTIFIER | |
|----------------------------------|---------|
| DATE OF LAST CHANGE TO THIS PLAN | BY: CCB |
| 05/21/2013 | |
| DATE OF THIS PLOT | |
| 05/21/2013 | |

**PLANS FOR
 SUNSET CLIFFS NATURAL PARK
 HILLSIDE IMPROVEMENTS
 DETAILS AND SECTIONS**

| | | |
|---|----------------|------------------|
| CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 17 OF 78 SHEETS | | WBS _____ |
| APPROVED BY: _____ | | WBS _____ |
| FOR CITY ENGINEER | DATE | PROJECT MANAGER |
| DESCRIPTION | BY | APPROVED |
| ORIGINAL | N.E. | |
| | | PROJECT ENGINEER |
| | | COORDINATOR |
| | | COORDINATOR |
| CONTRACTOR | DATE STARTED | 36768-17-D |
| INSPECTOR | DATE COMPLETED | |

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 4740 Ruffner Street, San Diego, California, 92111 • 658-292-7770

| REVISION | DATE | BY | PROJECT ENGR: |
|----------|----------|----|-------------------|
| ORIGINAL | 02/20/13 | CB | CORY SCHRACK |
| | | | DESIGNED BY: CB |
| | | | DRAWN BY: CB |
| | | | SCALE: AS SHOWN |
| | | | JOB NO. 110-091.1 |



**CITY OF SAN DIEGO
 PUBLIC WORKS PROJECT**

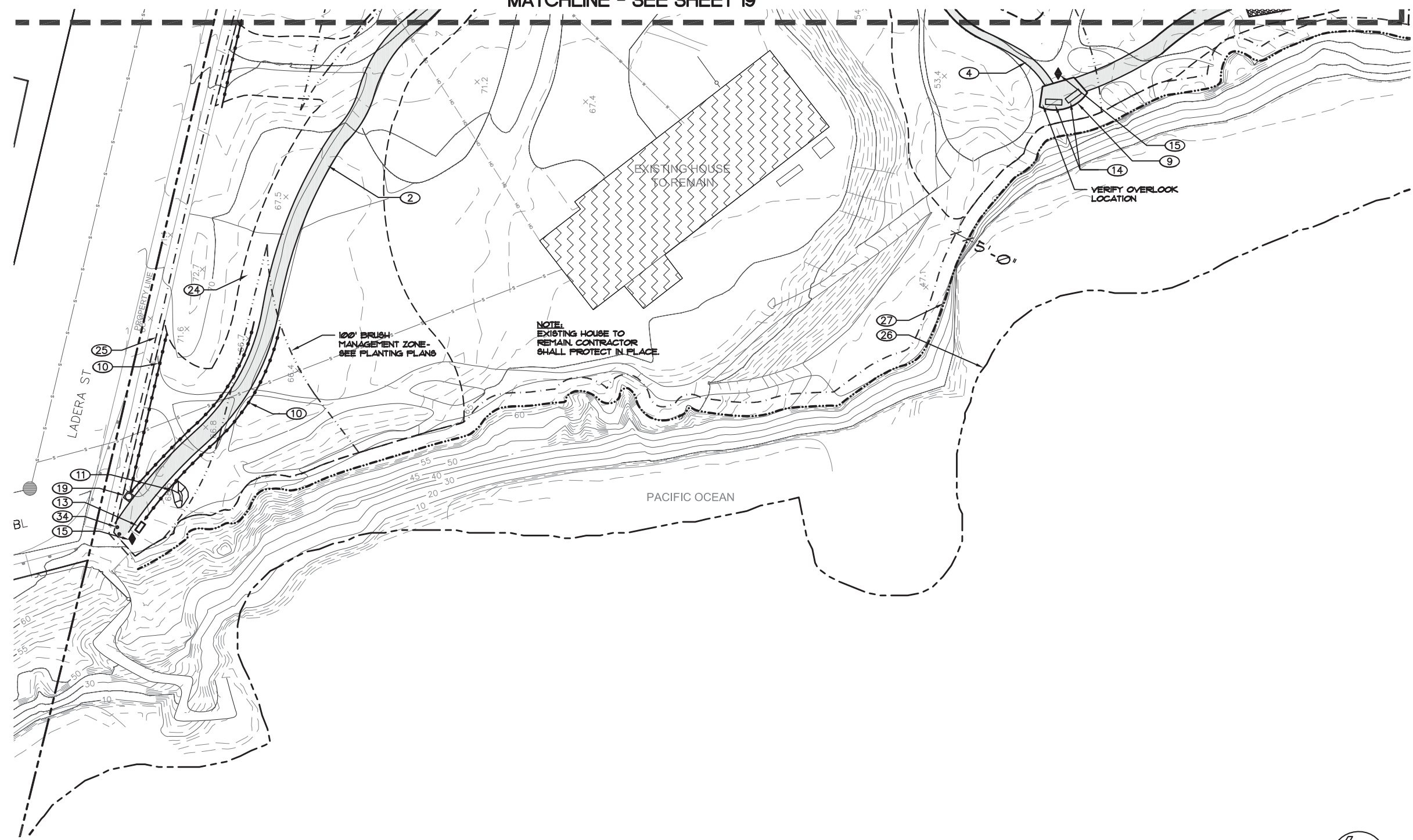
| CONSTRUCTION CHANGE / ADDENDUM | | | |
|--------------------------------|------|---------------------------------|--------------|
| CHANGE | DATE | AFFECTED OR ADDED SHEET NUMBERS | APPROVAL NO. |
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WARNING

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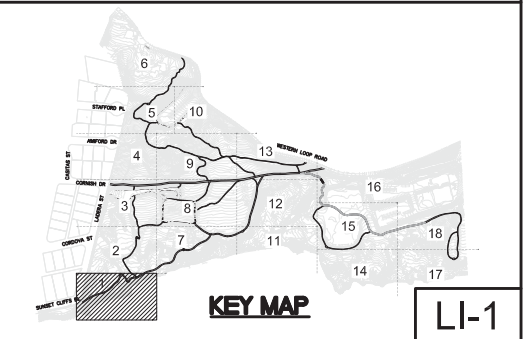
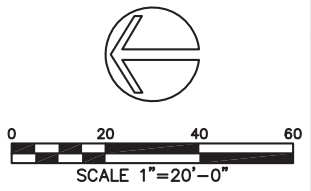
MATCHLINE - SEE SHEET 19



| NUM. | DESCRIPTION | SYMBOL | REFERENCE |
|------|--|----------|--------------------|
| 1 | DG MULTI-USE TRAIL / SLUDGE LINE ACCESS MAINTENANCE EASEMENT - 8' WIDE | [Symbol] | A/36 (LD-1) |
| 2 | PRIMARY TRAIL - NATIVE SOIL 6' WIDE | [Symbol] | ..... |
| 3 | DG ADA TRAIL - 6' WIDE | [Symbol] | A/36 (LD-1) |
| 4 | SECONDARY TRAIL - NATIVE SOIL - 3' WIDE | [Symbol] | ..... |
| 5 | DISSIPATER | [Symbol] | D/31 (LD-2) |
| 6 | NEW AC CURB | [Symbol] | SDRSD G-5 (TYPE B) |
| 7 | PEDESTRIAN BRIDGE | [Symbol] | F/31 (LD-2) |
| 8 | CRIB LADDER STAIRWAY | [Symbol] | F/36 (LD-1) |
| 9 | OVERLOOK | [Symbol] | C/36 (LD-1) |
| 10 | POST AND CABLE RAILING | [Symbol] | B/36 (LD-1) |
| 11 | ENTRY MONUMENT | [Symbol] | G/36 (LD-1) |
| 12 | INFORMATIONAL SIGN | [Symbol] | I/36 (LD-1) |
| 13 | INTERPRETIVE SIGN | [Symbol] | D/36 (LD-1) |
| 14 | WOOD BENCH | [Symbol] | E/36 (LD-1) |
| 15 | 'REVEGETATION IN PROGRESS' SIGN | [Symbol] | B/31 (LD-2) |
| 16 | 'END OF TRAIL' SIGN | [Symbol] | B/31 (LD-2) |
| 17 | DIRECTIONAL SIGN INDICATING PARKING LOTS | [Symbol] | B/31 (LD-2) |
| 18 | ADA DIRECTIONAL SIGN | [Symbol] | A/31 (LD-2) |
| 19 | TRASH RECEPTACLE | [Symbol] | ..... |
| 20 | PROPOSED SWALE | [Symbol] | SEE CIVIL DWGS. |
| 21 | STORM DRAIN INLET | [Symbol] | SEE CIVIL DWGS. |
| 22 | STORM DRAIN CLEAN OUT | [Symbol] | SEE CIVIL DWGS. |
| 23 | STORM DRAIN MAIN LINE | [Symbol] | SEE CIVIL DWGS. |
| 24 | PHASE I REVEGETATION BOUNDARY | [Symbol] | ..... |
| 25 | LIMIT OF WORK LINE | [Symbol] | ..... |
| 26 | PROPERTY LINE | [Symbol] | ..... |
| 27 | TOP OF BLUFF LINE | [Symbol] | ..... |
| 28 | GRADE DIP | [Symbol] | C/31 (LD-2) |
| 29 | TEMPORARY AC DIKE | [Symbol] | SDRSD G-5 (TYPE D) |
| 30 | EXISTING CATHODIC TEST STATION | [Symbol] | SEE AS-BUILTS |
| 31 | EXISTING BLOW-OFF VAULT | [Symbol] | SEE AS-BUILTS |
| 32 | RAISED CAUSEWAY | [Symbol] | A/38 (LD-3) |
| 33 | TIMBER CRIB WALL | [Symbol] | B/38 (LD-3) |
| 34 | REMOVABLE BOLLARD | [Symbol] | SDRSD M-16 |

- NOTES:**
- PRIOR TO CONSTRUCTION, A NESTING SURVEY FOR RAPTORS WILL BE CONDUCTED. RAPTORS THAT POTENTIALLY NEST WITHIN THE PROJECT AREA INCLUDE COOPER'S HAWK, RED-SHOULDERED HAWK, AND WHITE-TAILED KITE.
 - IN ADDITION, A SURVEY SHALL BE CONDUCTED WITHIN 300 FEET OF IMPACT AREAS TO IDENTIFY IF THERE ARE POTENTIAL NESTING BURROWS OF THE BURROUGING OWL.
 - NO IMPROVEMENTS ARE TO BE MADE DURING RAPTORS OR OWL BREEDING SEASONS.
 - NESTING BIRD DISCLOSURE - PLEASE NOTE THAT NESTING BIRDS MAY BE PRESENT DURING CONSTRUCTION, AND ARE PROTECTED UNDER U.S. AND STATE LAW INCLUDING THE FEDERAL MIGRATORY BIRD TREATY ACT AND IN PARTICULAR, CA LAW- FISH AND GAME CODE 3503.
 - CDRG CODE 3503 STATES: "IT IS UNLAWFUL TO TAKE, POSSESS, OR NEEDLESSLY DESTROY THE NEST OR EGGS OF ANY BIRD, EXCEPT AS OTHERWISE PROVIDED BY THIS CODE OR ANY REGULATION MADE PURSUANT THERETO.
 - THERE IS THE POSSIBILITY OF ENCOUNTERING BURN ASH AND WASTE DURING CONSTRUCTION. CONTRACTOR SHALL ADHERE TO THE COMMUNITY HEALTH AND SAFETY PLAN AND SOIL MANAGEMENT PLAN.

SEE SHEET 36, SHEET 31 AND SHEET 38 FOR CONSTRUCTION DETAILS.
SEE SPECIFICATIONS AND SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.



**PLANS FOR
SUNSET CLIFFS NATURAL PARK
HILLSIDE IMPROVEMENTS
IMPROVEMENT PLAN**

| | | |
|---|----------------------|--------------------|
| CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 18 OF 78 SHEETS | | WBS _____ |
| APPROVED: _____ | | WBS _____ |
| FOR CITY ENGINEER | | SUBMITTED BY _____ |
| DESCRIPTION | DATE | PROJECT MANAGER |
| ORIGINAL | BY | PROJECT ENGINEER |
| ELP | APPROVED | CCS27 COORDINATE |
| DATE | FILMED | CCS83 COORDINATE |
| CONTRACTOR _____ | DATE STARTED _____ | 36768-18-D |
| INSPECTOR _____ | DATE COMPLETED _____ | |

Drawing name: M:\Projects\10012261-SunsetCliffs\10012261_10012261.dwg U-1 May 29, 2013 12:25pm by: ehs077

| CONSTRUCTION CHANGE / ADDENDUM | | | |
|--------------------------------|------|---------------------------------|--------------|
| CHANGE | DATE | AFFECTED OR ADDED SHEET NUMBERS | APPROVAL NO. |
| | | | |
| | | | |

WARNING

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**CITY OF SAN DIEGO
PUBLIC WORKS PROJECT**



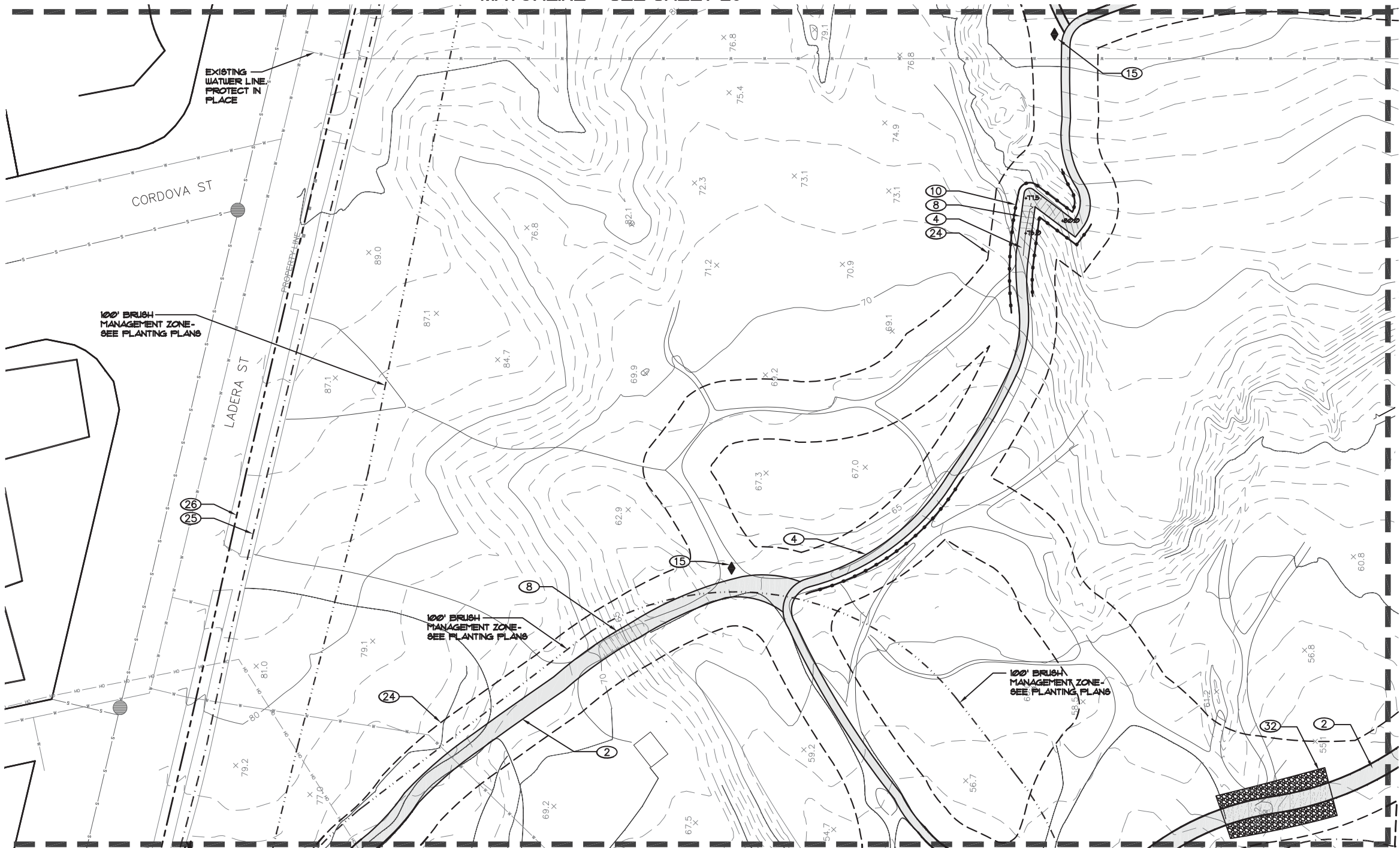
CONSULTANT

Estrada Land Planning
Urban Design Landscape Architecture Computer Imaging

619.236.0143
225 Broadway, Suite 1160
San Diego, California 92101
619.236.0578 Fax
ELP@EstradaLandPlan.com



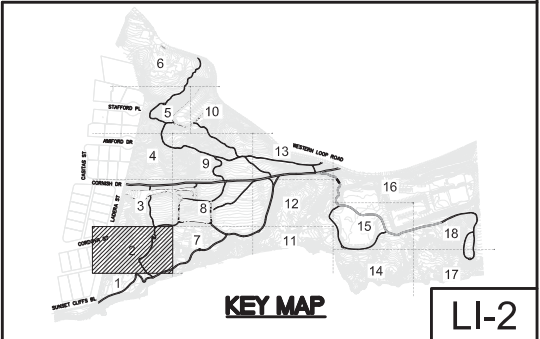
MATCHLINE - SEE SHEET 20



MATCHLINE - SEE SHEET 24

MATCHLINE - SEE SHEET 18

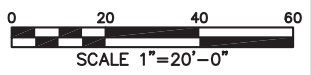
| NUM. | DESCRIPTION | SYMBOL | REFERENCE |
|------|--|----------|--------------------|
| 1 | DG MULTI-USE TRAIL / SLUDGE LINE ACCESS MAINTENANCE EASEMENT - 8' WIDE | [Symbol] | A/36 (LD-1) |
| 2 | PRIMARY TRAIL - NATIVE SOIL 6' WIDE | [Symbol] | ..... |
| 3 | DG ADA TRAIL - 6' WIDE | [Symbol] | A/36 (LD-1) |
| 4 | SECONDARY TRAIL - NATIVE SOIL - 3' WIDE | [Symbol] | ..... |
| 5 | DISSIPATER | [Symbol] | D/31 (LD-2) |
| 6 | NEW AC CURB | [Symbol] | SDR&D G-5 (TYPE B) |
| 7 | PEDESTRIAN BRIDGE | [Symbol] | F/31 (LD-2) |
| 8 | CRIB LADDER STAIRWAY | [Symbol] | F/36 (LD-1) |
| 9 | OVERLOOK | [Symbol] | C/36 (LD-1) |
| 10 | POST AND CABLE RAILING | [Symbol] | B/36 (LD-1) |
| 11 | ENTRY MONUMENT | [Symbol] | G/36 (LD-1) |
| 12 | INFORMATIONAL SIGN | [Symbol] | I/36 (LD-1) |
| 13 | INTERPRETIVE SIGN | [Symbol] | D/36 (LD-1) |
| 14 | WOOD BENCH | [Symbol] | E/36 (LD-1) |
| 15 | 'REVEGETATION IN PROGRESS' SIGN | [Symbol] | B/31 (LD-2) |
| 16 | 'END OF TRAIL' SIGN | [Symbol] | B/31 (LD-2) |
| 17 | DIRECTIONAL SIGN INDICATING PARKING LOTS | [Symbol] | B/31 (LD-2) |
| 18 | ADA DIRECTIONAL SIGN | [Symbol] | A/31 (LD-2) |
| 19 | TRASH RECEPTACLE | [Symbol] | ..... |
| 20 | PROPOSED SWALE | [Symbol] | SEE CIVIL DWGS. |
| 21 | STORM DRAIN INLET | [Symbol] | SEE CIVIL DWGS. |
| 22 | STORM DRAIN CLEAN OUT | [Symbol] | SEE CIVIL DWGS. |
| 23 | STORM DRAIN MAIN LINE | [Symbol] | SEE CIVIL DWGS. |
| 24 | PHASE I REVEGETATION BOUNDARY | [Symbol] | ..... |
| 25 | LIMIT OF WORK LINE | [Symbol] | ..... |
| 26 | PROPERTY LINE | [Symbol] | ..... |
| 27 | TOP OF BLUFF LINE | [Symbol] | ..... |
| 28 | GRADE DIP | [Symbol] | C/31 (LD-2) |
| 29 | TEMPORARY AC DIKE | [Symbol] | SDR&D G-5 (TYPE D) |
| 30 | EXISTING CATHODIC TEST STATION | [Symbol] | SEE A8-BUILTS |
| 31 | EXISTING BLOW-OFF VAULT | [Symbol] | SEE A8-BUILTS |
| 32 | RAISED CAUSEWAY | [Symbol] | A/38 (LD-3) |
| 33 | TIMBER CRIB WALL | [Symbol] | B/38 (LD-3) |
| 34 | REMOVABLE BOLLARD | [Symbol] | SDR&D M-16 |



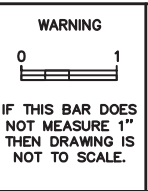
- NOTES:**
- PRIOR TO CONSTRUCTION, A NESTING SURVEY FOR RAPTORS WILL BE CONDUCTED. RAPTORS THAT POTENTIALLY NEST WITHIN THE PROJECT AREA INCLUDE COOPER'S HAWK, RED-SHOULDERED HAWK, AND WHITE-TAILED KITE.
 - IN ADDITION, A SURVEY SHALL BE CONDUCTED WITHIN 300 FEET OF IMPACT AREAS TO IDENTIFY IF THERE ARE POTENTIAL NESTING BURROWS OF THE BURROUGING OWL.
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SEE SHEET 36, SHEET 31 AND SHEET 38 FOR CONSTRUCTION DETAILS.
SEE SPECIFICATIONS AND SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.



| CONSTRUCTION CHANGE / ADDENDUM | | | |
|--------------------------------|------|---------------------------------|--------------|
| CHANGE | DATE | AFFECTED OR ADDED SHEET NUMBERS | APPROVAL NO. |
| | | | |
| | | | |



**CITY OF SAN DIEGO
PUBLIC WORKS PROJECT**



CONSULTANT

Estrada Land Planning
Urban Design Landscape Architecture Computer Imaging

619.236.0143
225 Broadway, Suite 1160
San Diego, California 92101
619.236.0578 Fax
ELP@EstradaLandPlan.com



**PLANS FOR
SUNSET CLIFFS NATURAL PARK
HILLSIDE IMPROVEMENTS
IMPROVEMENT PLAN**

CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING AND CAPITAL PROJECTS DEPARTMENT
SHEET 19 OF 78 SHEETS

APPROVED: _____ DATE: _____

| FOR CITY ENGINEER | BY | APPROVED | DATE | FILMED | PROJECT MANAGER |
|-------------------|----|----------|------|--------|-----------------|
| | | | | | |

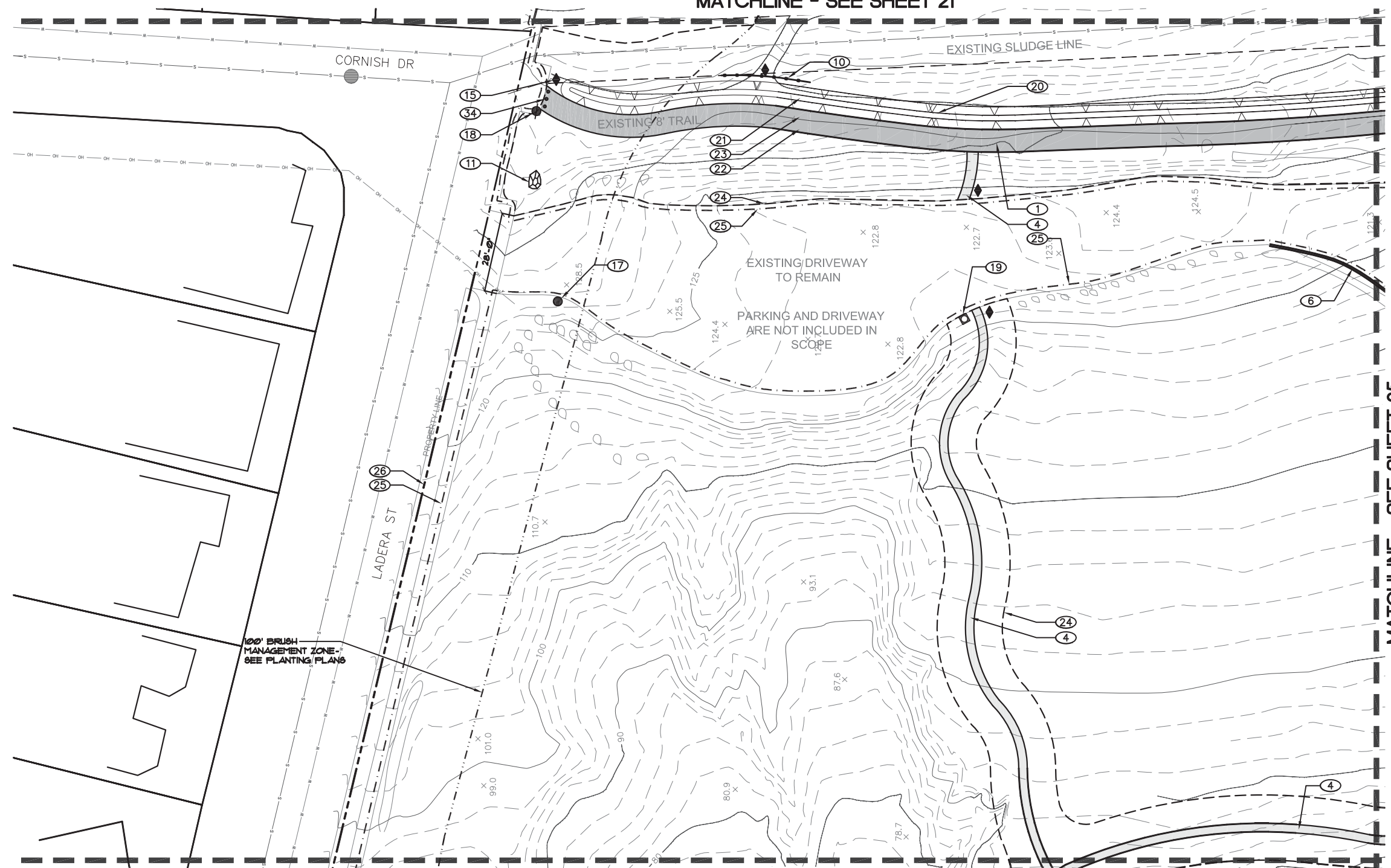
CONTRACTOR _____ DATE STARTED _____
INSPECTOR _____ DATE COMPLETED _____

36768-19-D

Drawing name: M:\Projects\10012261-SunsetCliffs\1005a\12261_02.dwg U-2 May 29, 2013 12:58pm by: ehs77

SUNSET CLIFFS NATURAL PARK 100% SUBMITTAL

MATCHLINE - SEE SHEET 21



MATCHLINE - SEE SHEET 25

MATCHLINE - SEE SHEET 19

| NUM. | DESCRIPTION | SYMBOL | REFERENCE |
|------|--|----------|--------------------|
| 1 | DG MULTI-USE TRAIL / SLUDGE LINE ACCESS MAINTENANCE EASEMENT - 8' WIDE | [Symbol] | A/36 (LD-1) |
| 2 | PRIMARY TRAIL - NATIVE SOIL 6' WIDE | [Symbol] | |
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| 4 | SECONDARY TRAIL - NATIVE SOIL - 3' WIDE | [Symbol] | |
| 5 | DISSIPATER | [Symbol] | D/31 (LD-2) |
| 6 | NEW AC CURB | [Symbol] | SDR&D G-5 (TYPE B) |
| 7 | PEDESTRIAN BRIDGE | [Symbol] | F/31 (LD-2) |
| 8 | CRIB LADDER STAIRWAY | [Symbol] | F/36 (LD-1) |
| 9 | OVERLOOK | [Symbol] | C/36 (LD-1) |
| 10 | POST AND CABLE RAILING | [Symbol] | B/36 (LD-1) |
| 11 | ENTRY MONUMENT | [Symbol] | G/36 (LD-1) |
| 12 | INFORMATIONAL SIGN | [Symbol] | I/36 (LD-1) |
| 13 | INTERPRETIVE SIGN | [Symbol] | D/36 (LD-1) |
| 14 | WOOD BENCH | [Symbol] | E/36 (LD-1) |
| 15 | 'REVEGETATION IN PROGRESS' SIGN | [Symbol] | B/31 (LD-2) |
| 16 | 'END OF TRAIL' SIGN | [Symbol] | B/31 (LD-2) |
| 17 | DIRECTIONAL SIGN INDICATING PARKING LOTS | [Symbol] | B/31 (LD-2) |
| 18 | ADA DIRECTIONAL SIGN | [Symbol] | A/31 (LD-2) |
| 19 | TRASH RECEPTACLE | [Symbol] | ..... |
| 20 | PROPOSED SWALE | [Symbol] | SEE CIVIL DWGS. |
| 21 | STORM DRAIN INLET | [Symbol] | SEE CIVIL DWGS. |
| 22 | STORM DRAIN CLEAN OUT | [Symbol] | SEE CIVIL DWGS. |
| 23 | STORM DRAIN MAIN LINE | [Symbol] | SEE CIVIL DWGS. |
| 24 | PHASE I REVEGETATION BOUNDARY | [Symbol] | ..... |
| 25 | LIMIT OF WORK LINE | [Symbol] | ..... |
| 26 | PROPERTY LINE | [Symbol] | ..... |
| 27 | TOP OF BLUFF LINE | [Symbol] | ..... |
| 28 | GRADE DIP | [Symbol] | C/31 (LD-2) |
| 29 | TEMPORARY AC DIKE | [Symbol] | SDR&D G-5 (TYPE D) |
| 30 | EXISTING CATHODIC TEST STATION | [Symbol] | SEE AS-BUILTS |
| 31 | EXISTING BLOW-OFF VAULT | [Symbol] | SEE AS-BUILTS |
| 32 | RAISED CAUSEWAY | [Symbol] | A/38 (LD-3) |
| 33 | TIMBER CRIB WALL | [Symbol] | B/38 (LD-3) |
| 34 | REMOVABLE BOLLARD | [Symbol] | SDR&D M-16 |

NOTES:

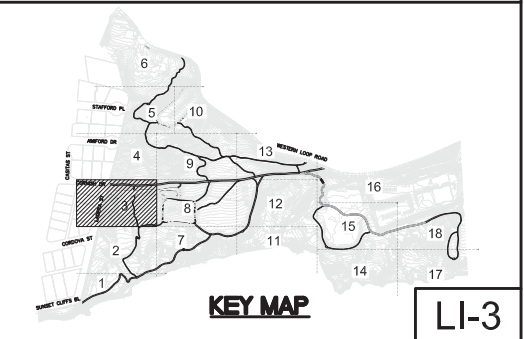
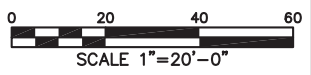
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**PLANS FOR
SUNSET CLIFFS NATURAL PARK
HILLSIDE IMPROVEMENTS
IMPROVEMENT PLAN**

CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING AND CAPITAL PROJECTS DEPARTMENT
SHEET 20 OF 78 SHEETS

WBS _____
WBS _____

APPROVED: _____
FOR CITY ENGINEER

| DESCRIPTION | BY | APPROVED | DATE | FILMED |
|-------------|-----|----------|------|--------|
| ORIGINAL | ELP | | | |

PROJECT MANAGER _____
PROJECT ENGINEER _____
CC827 COORDINATE _____
CC883 COORDINATE _____

CONTRACTOR _____ DATE STARTED _____
INSPECTOR _____ DATE COMPLETED _____

36768-20-D

Drawing name: M:\Projects\10012261-SunsetCliffs\100506\12261_C.dwg U-3 May 29, 2013 12:59pm by: ehs077

| CONSTRUCTION CHANGE / ADDENDUM | | | |
|--------------------------------|------|---------------------------------|--------------|
| CHANGE | DATE | AFFECTED OR ADDED SHEET NUMBERS | APPROVAL NO. |
| | | | |
| | | | |

WARNING

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

**CITY OF SAN DIEGO
PUBLIC WORKS PROJECT**



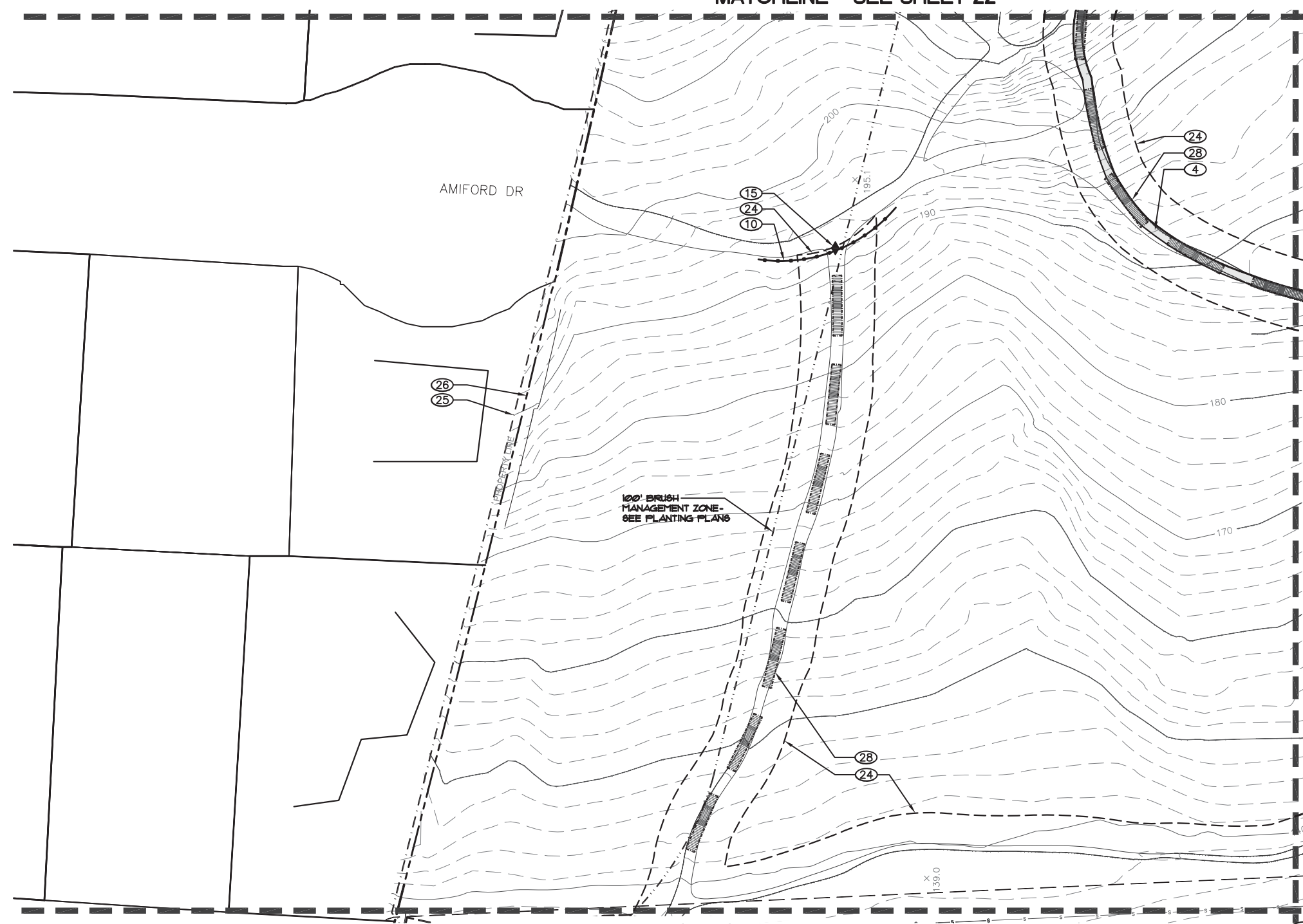
CONSULTANT

Estrada Land Planning
Urban Design Landscape Architecture Computer Imaging

619.236.0143
225 Broadway, Suite 1160
San Diego, California 92101
619.236.0578 Fax
ELP@EstradaLandPlan.com



MATCHLINE - SEE SHEET 22



MATCHLINE - SEE SHEET 26

MATCHLINE - SEE SHEET 20

| NUM. | DESCRIPTION | SYMBOL | REFERENCE |
|------|--|--------|--------------------|
| 1 | DG MULTI-USE TRAIL / SLUDGE LINE ACCESS MAINTENANCE EASEMENT - 8' WIDE | | A/36 (LD-1) |
| 2 | PRIMARY TRAIL - NATIVE SOIL 6' WIDE |  | ..... |
| 3 | DG ADA TRAIL - 6' WIDE | | A/36 (LD-1) |
| 4 | SECONDARY TRAIL - NATIVE SOIL - 3' WIDE |  | ..... |
| 5 | DISSIPATER | | D/31 (LD-2) |
| 6 | NEW AC CURB | | SDR&D G-5 (TYPE B) |
| 7 | PEDESTRIAN BRIDGE | | F/31 (LD-2) |
| 8 | CRIB LADDER STAIRWAY | | F/36 (LD-1) |
| 9 | OVERLOOK | | C/36 (LD-1) |
| 10 | POST AND CABLE RAILING | | B/36 (LD-1) |
| 11 | ENTRY MONUMENT | | G/36 (LD-1) |
| 12 | INFORMATIONAL SIGN | | I/36 (LD-1) |
| 13 | INTERPRETIVE SIGN | | D/36 (LD-1) |
| 14 | WOOD BENCH | | E/36 (LD-1) |
| 15 | 'REVEGETATION IN PROGRESS' SIGN | | B/31 (LD-2) |
| 16 | 'END OF TRAIL' SIGN | | B/31 (LD-2) |
| 17 | DIRECTIONAL SIGN INDICATING PARKING LOTS | | B/31 (LD-2) |
| 18 | ADA DIRECTIONAL SIGN | | A/31 (LD-2) |
| 19 | TRASH RECEPTACLE |  | ..... |
| 20 | PROPOSED SWALE | | SEE CIVIL DWGS. |
| 21 | STORM DRAIN INLET | | SEE CIVIL DWGS. |
| 22 | STORM DRAIN CLEAN OUT | | SEE CIVIL DWGS. |
| 23 | STORM DRAIN MAIN LINE | | SEE CIVIL DWGS. |
| 24 | PHASE I REVEGETATION BOUNDARY |  | ..... |
| 25 | LIMIT OF WORK LINE |  | ..... |
| 26 | PROPERTY LINE |  | ..... |
| 27 | TOP OF BLUFF LINE |  | ..... |
| 28 | GRADE DIP | | C/31 (LD-2) |
| 29 | TEMPORARY AC DIKE | | SDR&D G-5 (TYPE D) |
| 30 | EXISTING CATHODIC TEST STATION | | SEE A8-BUILTS |
| 31 | EXISTING BLOW-OFF VAULT | | SEE A8-BUILTS |
| 32 | RAISED CAUSEWAY | | A/38 (LD-3) |
| 33 | TIMBER CRIB WALL | | B/38 (LD-3) |
| 34 | REMOVABLE BOLLARD | | SDR&D M-16 |

NOTES:

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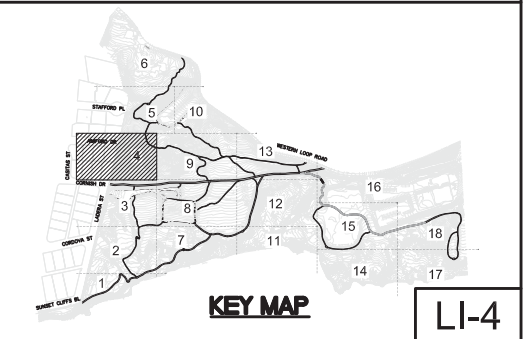


TEMPORARY BMP CONSTRUCTION SITE STORM WATER PRIORITY: HIGH _____ MEDIUM _____ LOW _____ SPEC. NO.

CONSULTANT

Estrada Land Planning
Urban Design Landscape Architecture Computer Imaging

619.236.0143
225 Broadway, Suite 1160
San Diego, California 92101
619.236.0578 Fax
ELP@EstradaLandPlan.com



**PLANS FOR
SUNSET CLIFFS NATURAL PARK
HILLSIDE IMPROVEMENTS
IMPROVEMENT PLAN**

CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING AND CAPITAL PROJECTS DEPARTMENT
SHEET 21 OF 78 SHEETS

WBS _____
WBS _____

APPROVED: _____
FOR CITY ENGINEER

DATE _____
DATE _____

PROJECT MANAGER _____
PROJECT ENGINEER _____
CC827 COORDINATE _____
CC883 COORDINATE _____

CONTRACTOR _____ DATE STARTED _____
INSPECTOR _____ DATE COMPLETED _____

36768- 21 -D

Drawing name: M:\Projects\10012261-SunsetCliffs\1005Sub\12261_C.dwg U-4 May 29, 2013 1:00pm by: dno77

CONSTRUCTION CHANGE / ADDENDUM

| CHANGE | DATE | AFFECTED OR ADDED SHEET NUMBERS | APPROVAL NO. |
|--------|------|---------------------------------|--------------|
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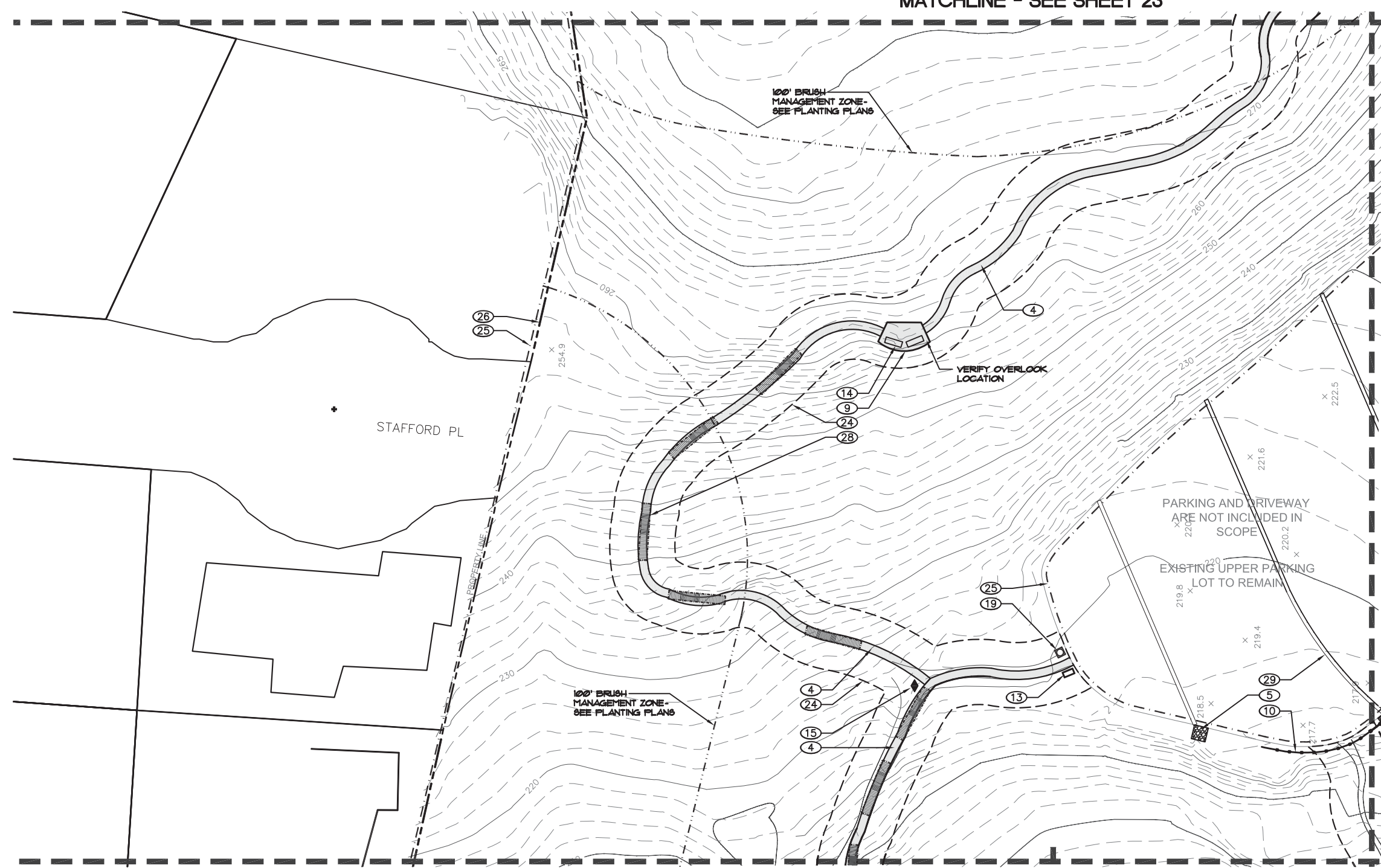
WARNING

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

**CITY OF SAN DIEGO
PUBLIC WORKS PROJECT**



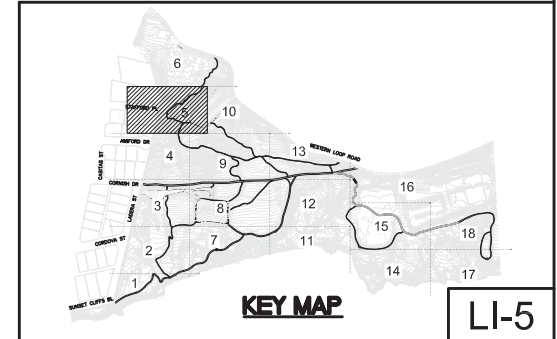
MATCHLINE - SEE SHEET 23



MATCHLINE - SEE SHEET 27

MATCHLINE - SEE SHEET 21

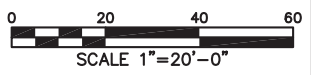
| NUM. | DESCRIPTION | SYMBOL | REFERENCE |
|------|--|--------|--------------------|
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| 5 | DISSIPATER | | D/31 (LD-2) |
| 6 | NEW AC CURB | | SDR&D G-5 (TYPE B) |
| 7 | PEDESTRIAN BRIDGE | | F/31 (LD-2) |
| 8 | CRIB LADDER STAIRWAY | | F/36 (LD-1) |
| 9 | OVERLOOK | | C/36 (LD-1) |
| 10 | POST AND CABLE RAILING | | B/36 (LD-1) |
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| 31 | EXISTING BLOW-OFF VAULT | | SEE AS-BUILTS |
| 32 | RAISED CAUSEWAY | | A/38 (LD-3) |
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| CONSTRUCTION CHANGE / ADDENDUM | | | |
|--------------------------------|------|---------------------------------|--------------|
| CHANGE | DATE | AFFECTED OR ADDED SHEET NUMBERS | APPROVAL NO. |
| | | | |
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WARNING

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**CITY OF SAN DIEGO
PUBLIC WORKS PROJECT**



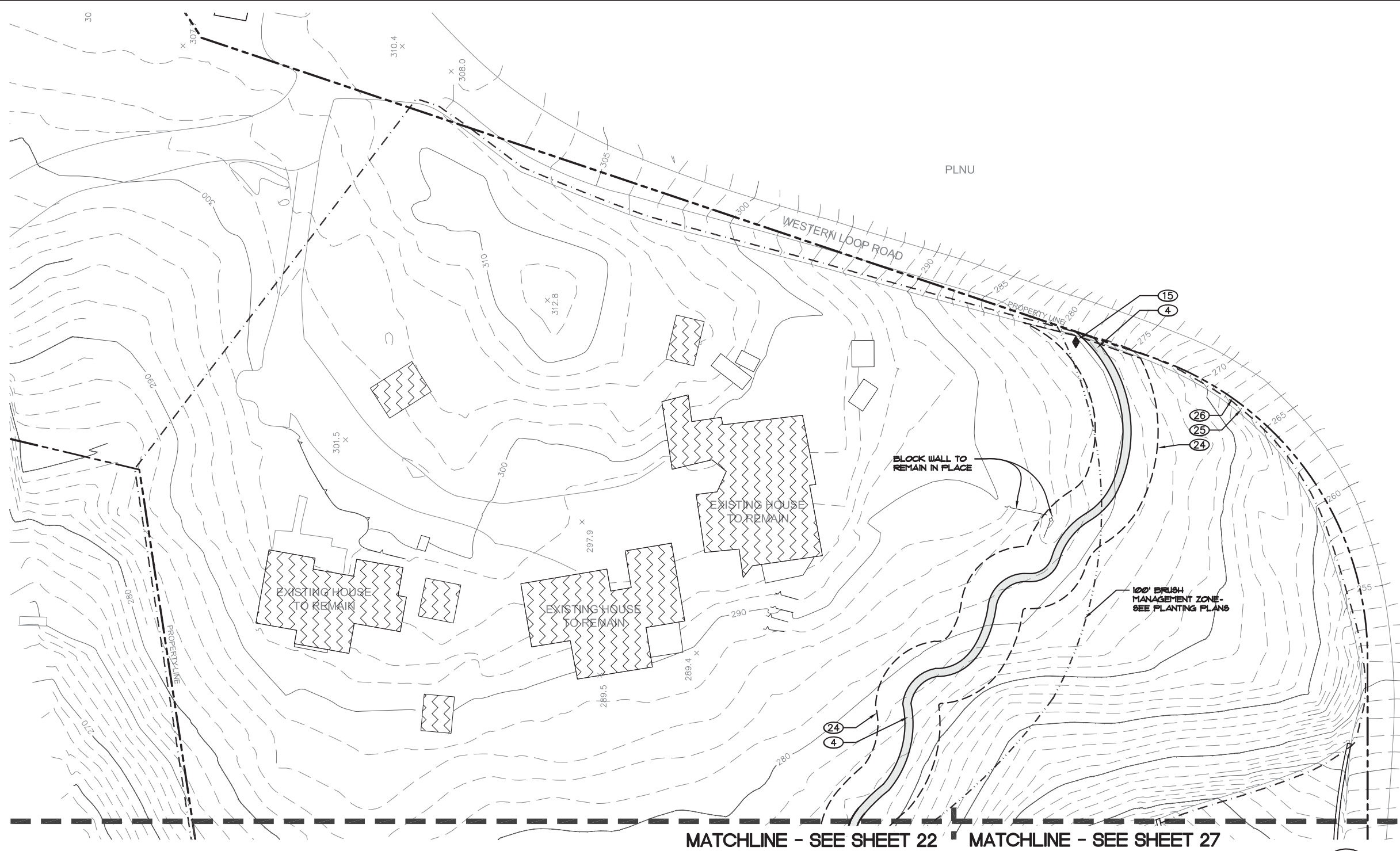
TEMPORARY BMP CONSTRUCTION SITE STORM WATER PRIORITY: HIGH MEDIUM LOW SPEC. NO.

CONSULTANT

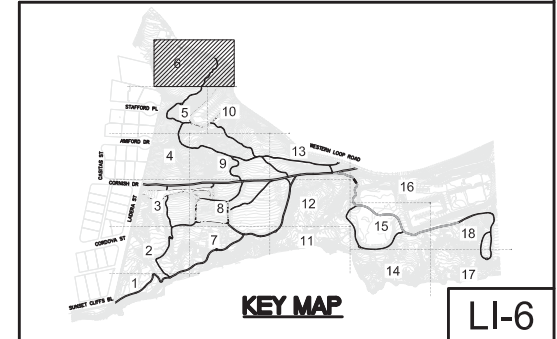
Estrada Land Planning
Urban Design Landscape Architecture Computer Imaging

619.236.0143
225 Broadway, Suite 1160
San Diego, California 92101
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ELP@EstradaLandPlan.com

| | | | | |
|---|-----|----------|------|--------------------------------------|
| CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 22 OF 78 SHEETS | | | | WBS _____ |
| APPROVED FOR CITY ENGINEER | | | | DATE _____ |
| DESCRIPTION | BY | APPROVED | DATE | FILMED |
| ORIGINAL | ELP | | | |
| PROJECT MANAGER | | | | PROJECT ENGINEER |
| CC827 COORDINATE | | | | CC883 COORDINATE |
| CONTRACTOR _____ DATE STARTED _____ | | | | INSPECTOR _____ DATE COMPLETED _____ |
| | | | | 36768-22-D |



| IMPROVEMENT DETAIL KEY | | | |
|------------------------|--|----------|--------------------|
| NUM. | DESCRIPTION | SYMBOL | REFERENCE |
| 1 | DG MULTI-USE TRAIL / SLUDGE LINE ACCESS MAINTENANCE EASEMENT - 8' WIDE | [Symbol] | A/36 (LD-1) |
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| 4 | SECONDARY TRAIL - NATIVE SOIL - 3' WIDE | [Symbol] | ----- |
| 5 | DISSIPATER | [Symbol] | D/31 (LD-2) |
| 6 | NEW AC CURB | [Symbol] | SDR&D G-5 (TYPE B) |
| 7 | PEDESTRIAN BRIDGE | [Symbol] | F/31 (LD-2) |
| 8 | CRIB LADDER STAIRWAY | [Symbol] | F/36 (LD-1) |
| 9 | OVERLOOK | [Symbol] | C/36 (LD-1) |
| 10 | POST AND CABLE RAILING | [Symbol] | B/36 (LD-1) |
| 11 | ENTRY MONUMENT | [Symbol] | G/36 (LD-1) |
| 12 | INFORMATIONAL SIGN | [Symbol] | I/36 (LD-1) |
| 13 | INTERPRETIVE SIGN | [Symbol] | D/36 (LD-1) |
| 14 | WOOD BENCH | [Symbol] | E/36 (LD-1) |
| 15 | 'REVEGETATION IN PROGRESS' SIGN | [Symbol] | B/31 (LD-2) |
| 16 | 'END OF TRAIL' SIGN | [Symbol] | B/31 (LD-2) |
| 17 | DIRECTIONAL SIGN INDICATING PARKING LOTS | [Symbol] | B/31 (LD-2) |
| 18 | ADA DIRECTIONAL SIGN | [Symbol] | A/31 (LD-2) |
| 19 | TRASH RECEPTACLE | [Symbol] | ----- |
| 20 | PROPOSED SWALE | [Symbol] | SEE CIVIL DWGS. |
| 21 | STORM DRAIN INLET | [Symbol] | SEE CIVIL DWGS. |
| 22 | STORM DRAIN CLEAN OUT | [Symbol] | SEE CIVIL DWGS. |
| 23 | STORM DRAIN MAIN LINE | [Symbol] | SEE CIVIL DWGS. |
| 24 | PHASE I REVEGETATION BOUNDARY | [Symbol] | ----- |
| 25 | LIMIT OF WORK LINE | [Symbol] | ----- |
| 26 | PROPERTY LINE | [Symbol] | ----- |
| 27 | TOP OF BLUFF LINE | [Symbol] | ----- |
| 28 | GRADE DIP | [Symbol] | C/31 (LD-2) |
| 29 | TEMPORARY AC DIKE | [Symbol] | SDR&D G-5 (TYPE D) |
| 30 | EXISTING CATHODIC TEST STATION | [Symbol] | SEE AS-BUILTS |
| 31 | EXISTING BLOW-OFF VAULT | [Symbol] | SEE AS-BUILTS |
| 32 | RAISED CAUSEWAY | [Symbol] | A/38 (LD-3) |
| 33 | TIMBER CRIB WALL | [Symbol] | B/38 (LD-3) |
| 34 | REMOVABLE BOLLARD | [Symbol] | SDR&D M-16 |



NOTES:

- PRIOR TO CONSTRUCTION, A NESTING SURVEY FOR RAPTORS WILL BE CONDUCTED. RAPTORS THAT POTENTIALLY NEST WITHIN THE PROJECT AREA INCLUDE COOPER'S HAWK, RED-SHOULDERED HAWK, AND WHITE-TAILED KITE.
- IN ADDITION, A SURVEY SHALL BE CONDUCTED WITHIN 300 FEET OF IMPACT AREAS TO IDENTIFY IF THERE ARE POTENTIAL NESTING BURROWS OF THE BURROUGING OWL.
- NO IMPROVEMENTS ARE TO BE MADE DURING RAPTOR OR OWL BREEDING SEASONS.

4. NESTING BIRD DISCLOSURE - PLEASE NOTE THAT NESTING BIRDS MAY BE PRESENT DURING CONSTRUCTION, AND ARE PROTECTED UNDER U.S. AND STATE LAW INCLUDING THE FEDERAL MIGRATORY BIRD TREATY ACT AND IN PARTICULAR, CA LAW- FISH AND GAME CODE 3503.

CDRG CODE 3503 STATES: "IT IS UNLAWFUL TO TAKE, POSSESS, OR NEEDLESSLY DESTROY THE NEST OR EGGS OF ANY BIRD, EXCEPT AS OTHERWISE PROVIDED BY THIS CODE OR ANY REGULATION MADE PURSUANT THERETO.

5. THERE IS THE POSSIBILITY OF ENCOUNTERING BURN ASH AND WASTE DURING CONSTRUCTION. CONTRACTOR SHALL ADHERE TO THE COMMUNITY HEALTH AND SAFETY PLAN AND SOIL MANAGEMENT PLAN.

SEE SHEET 36, SHEET 31 AND SHEET 38 FOR CONSTRUCTION DETAILS.
SEE SPECIFICATIONS AND SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.



| CONSTRUCTION CHANGE / ADDENDUM | | | |
|--------------------------------|------|---------------------------------|--------------|
| CHANGE | DATE | AFFECTED OR ADDED SHEET NUMBERS | APPROVAL NO. |
| | | | |
| | | | |

WARNING

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

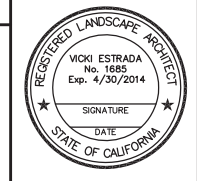
**CITY OF SAN DIEGO
PUBLIC WORKS PROJECT**



CONSULTANT

Estrada Land Planning
Urban Design Landscape Architecture Computer Imaging

619.236.0143
225 Broadway, Suite 1160
San Diego, California 92101
619.236.0578 Fax
ELP@EstradaLandPlan.com



**PLANS FOR
SUNSET CLIFFS NATURAL PARK
HILLSIDE IMPROVEMENTS
IMPROVEMENT PLAN**

CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING AND CAPITAL PROJECTS DEPARTMENT
SHEET 23 OF 78 SHEETS

WBS _____
SUBMITTED BY _____

| FOR CITY ENGINEER | | DATE | | PROJECT MANAGER |
|-------------------|-----|----------|------|-----------------|
| DESCRIPTION | BY | APPROVED | DATE | FILMED |
| ORIGINAL | ELP | | | |
| | | | | |

PROJECT ENGINEER _____
CC827 COORDINATE _____
CC883 COORDINATE _____

CONTRACTOR _____ DATE STARTED _____
INSPECTOR _____ DATE COMPLETED _____

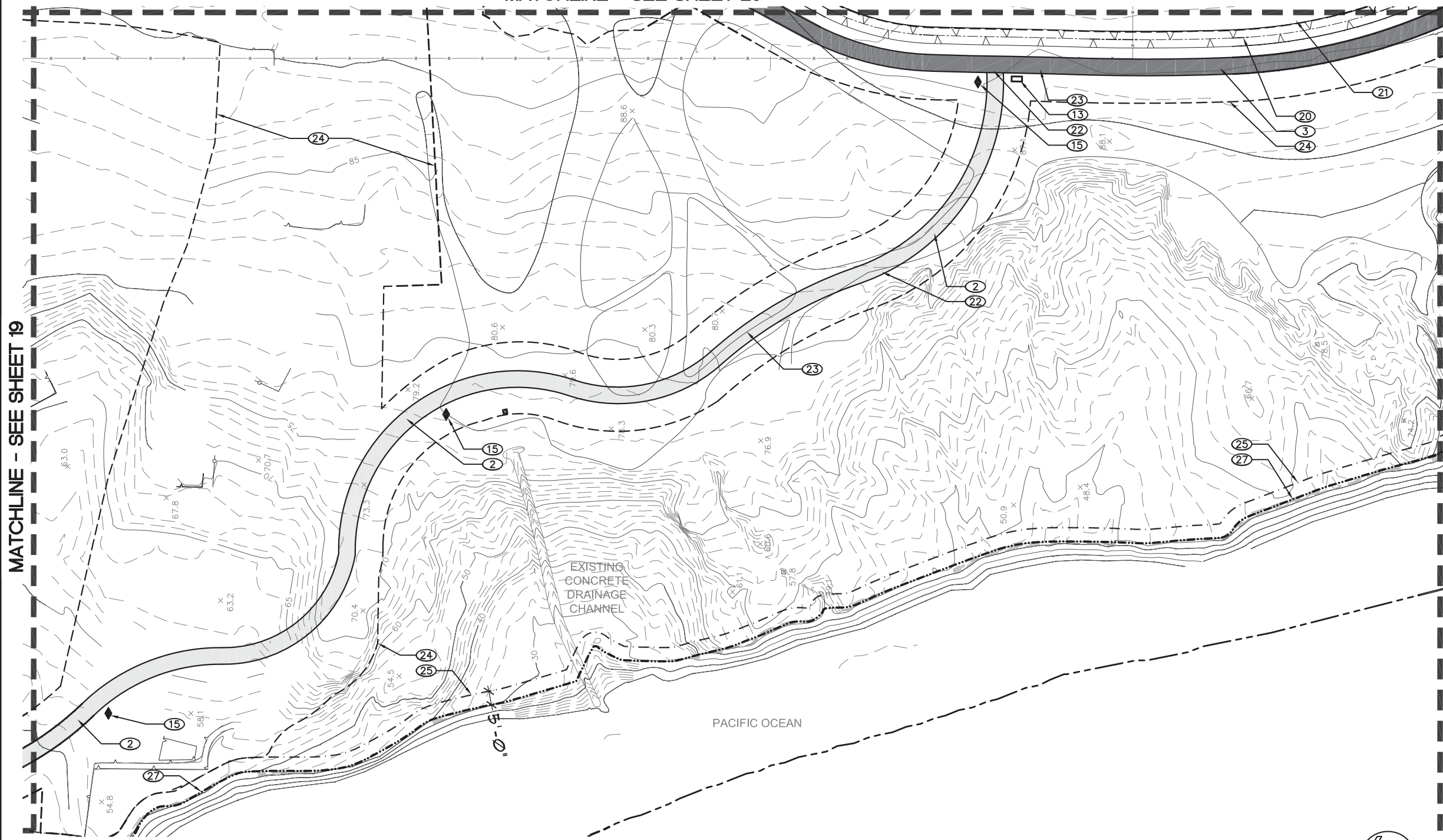
36768-23-D

Drawing name: M:\Projects\10012261-SunsetCliffs\A0401005.dwg User: chio77 Date: 5/29/2013 1:03pm

MATCHLINE - SEE SHEET 25

MATCHLINE - SEE SHEET 19

MATCHLINE - SEE SHEET 28



| NUM. | DESCRIPTION | SYMBOL | REFERENCE |
|------|--|----------|--------------------|
| 1 | DG MULTI-USE TRAIL / SLUDGE LINE ACCESS MAINTENANCE EASEMENT - 8' WIDE | [Symbol] | A/36 (LD-1) |
| 2 | PRIMARY TRAIL - NATIVE SOIL 6' WIDE | [Symbol] | ..... |
| 3 | DG ADA TRAIL - 6' WIDE | [Symbol] | A/36 (LD-1) |
| 4 | SECONDARY TRAIL - NATIVE SOIL - 3' WIDE | [Symbol] | ..... |
| 5 | DISSIPATER | [Symbol] | D/31 (LD-2) |
| 6 | NEW AC CURB | [Symbol] | SDR&D G-5 (TYPE B) |
| 7 | PEDESTRIAN BRIDGE | [Symbol] | F/31 (LD-2) |
| 8 | CRIB LADDER STAIRWAY | [Symbol] | F/36 (LD-1) |
| 9 | OVERLOOK | [Symbol] | C/36 (LD-1) |
| 10 | POST AND CABLE RAILING | [Symbol] | B/36 (LD-1) |
| 11 | ENTRY MONUMENT | [Symbol] | G/36 (LD-1) |
| 12 | INFORMATIONAL SIGN | [Symbol] | I/36 (LD-1) |
| 13 | INTERPRETIVE SIGN | [Symbol] | D/36 (LD-1) |
| 14 | WOOD BENCH | [Symbol] | E/36 (LD-1) |
| 15 | 'REVEGETATION IN PROGRESS' SIGN | [Symbol] | B/31 (LD-2) |
| 16 | 'END OF TRAIL' SIGN | [Symbol] | B/31 (LD-2) |
| 17 | DIRECTIONAL SIGN INDICATING PARKING LOTS | [Symbol] | B/31 (LD-2) |
| 18 | ADA DIRECTIONAL SIGN | [Symbol] | A/31 (LD-2) |
| 19 | TRASH RECEPTACLE | [Symbol] | ..... |
| 20 | PROPOSED SWALE | [Symbol] | SEE CIVIL DWGS. |
| 21 | STORM DRAIN INLET | [Symbol] | SEE CIVIL DWGS. |
| 22 | STORM DRAIN CLEAN OUT | [Symbol] | SEE CIVIL DWGS. |
| 23 | STORM DRAIN MAIN LINE | [Symbol] | SEE CIVIL DWGS. |
| 24 | PHASE I REVEGETATION BOUNDARY | [Symbol] | ..... |
| 25 | LIMIT OF WORK LINE | [Symbol] | ..... |
| 26 | PROPERTY LINE | [Symbol] | ..... |
| 27 | TOP OF BLUFF LINE | [Symbol] | ..... |
| 28 | GRADE DIP | [Symbol] | C/31 (LD-2) |
| 29 | TEMPORARY AC DIKE | [Symbol] | SDR&D G-5 (TYPE D) |
| 30 | EXISTING CATHODIC TEST STATION | [Symbol] | SEE AS-BUILTS |
| 31 | EXISTING BLOW-OFF VAULT | [Symbol] | SEE AS-BUILTS |
| 32 | RAISED CAUSEWAY | [Symbol] | A/38 (LD-3) |
| 33 | TIMBER CRIB WALL | [Symbol] | B/38 (LD-3) |
| 34 | REMOVABLE BOLLARD | [Symbol] | SDR&D M-16 |

NOTES:

- PRIOR TO CONSTRUCTION, A NESTING SURVEY FOR RAPTORS WILL BE CONDUCTED. RAPTORS THAT POTENTIALLY NEST WITHIN THE PROJECT AREA INCLUDE COOPER'S HAWK, RED-SHOULDERED HAWK, AND WHITE-TAILED KITE.
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SEE SHEET 36, SHEET 31 AND SHEET 38 FOR CONSTRUCTION DETAILS.
SEE SPECIFICATIONS AND SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

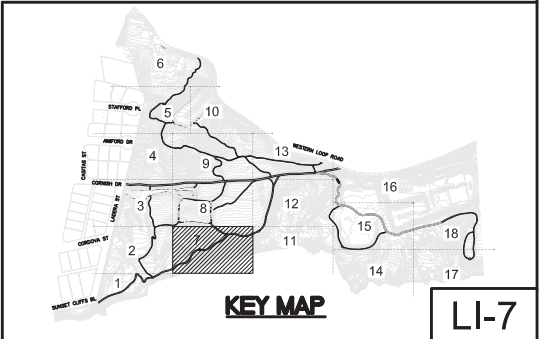


TEMPORARY BMP CONSTRUCTION SITE STORM WATER PRIORITY: HIGH _____ MEDIUM _____ LOW _____ SPEC. NO.

CONSULTANT

Estrada Land Planning
Urban Design Landscape Architecture Computer Imaging

619.236.0143
225 Broadway, Suite 1160
San Diego, California 92101
619.236.0578 Fax
ELP@EstradaLandPlan.com



**PLANS FOR
SUNSET CLIFFS NATURAL PARK
HILLSIDE IMPROVEMENTS
IMPROVEMENT PLAN**

CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING AND CAPITAL PROJECTS DEPARTMENT
SHEET 24 OF 78 SHEETS

WBS _____
SUBMITTED BY _____
PROJECT MANAGER _____
PROJECT ENGINEER _____
CC827 COORDINATE _____
CC883 COORDINATE _____

CONTRACTOR _____ DATE STARTED _____
INSPECTOR _____ DATE COMPLETED _____

36768-24-D

Drawing name: M:\Projects\10012261-SunsetCliffs\1005Sub\12261_C.dwg U-7 May 29, 2013 1:03pm by: dno77

**CITY OF SAN DIEGO
PUBLIC WORKS PROJECT**



| CONSTRUCTION CHANGE / ADDENDUM | | | |
|--------------------------------|------|---------------------------------|--------------|
| CHANGE | DATE | AFFECTED OR ADDED SHEET NUMBERS | APPROVAL NO. |
| | | | |
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WARNING

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

SUNSET CLIFFS NATURAL PARK 100% SUBMITTAL

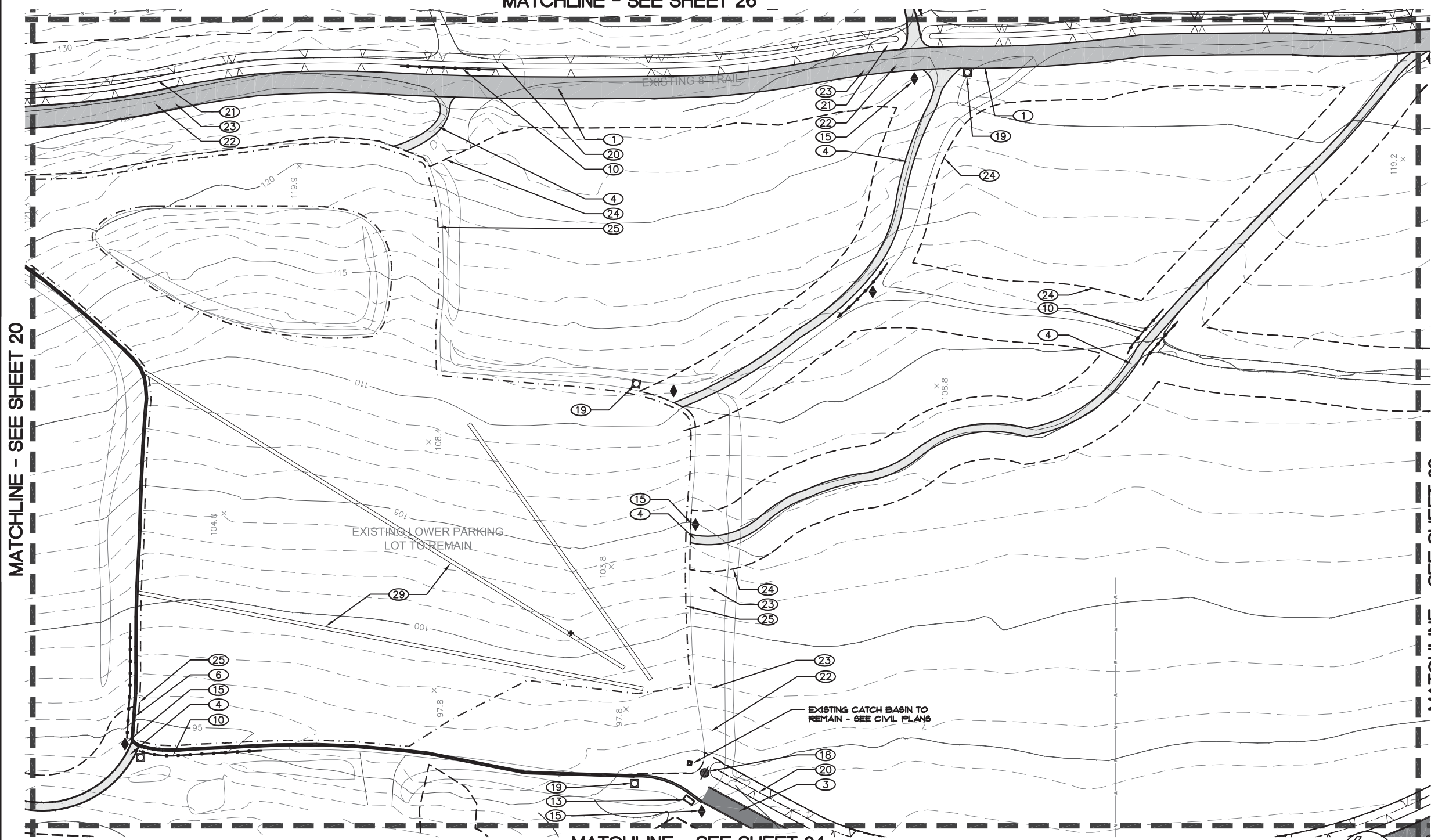
MATCHLINE - SEE SHEET 26

MATCHLINE - SEE SHEET 20

MATCHLINE - SEE SHEET 29

MATCHLINE - SEE SHEET 24

| NUM. | DESCRIPTION | SYMBOL | REFERENCE |
|------|--|--------|--------------------|
| 1 | DG MULTI-USE TRAIL / SLUDGE LINE ACCESS MAINTENANCE EASEMENT - 8' WIDE | | A/36 (LD-1) |
| 2 | PRIMARY TRAIL - NATIVE SOIL 6' WIDE |  | ..... |
| 3 | DG ADA TRAIL - 6' WIDE | | A/36 (LD-1) |
| 4 | SECONDARY TRAIL - NATIVE SOIL - 3' WIDE |  | ..... |
| 5 | DISSIPATER | | D/31 (LD-2) |
| 6 | NEW AC CURB | | SDR&D G-5 (TYPE B) |
| 7 | PEDESTRIAN BRIDGE | | F/31 (LD-2) |
| 8 | CRIB LADDER STAIRWAY | | F/36 (LD-1) |
| 9 | OVERLOOK | | C/36 (LD-1) |
| 10 | POST AND CABLE RAILING | | B/36 (LD-1) |
| 11 | ENTRY MONUMENT | | G/36 (LD-1) |
| 12 | INFORMATIONAL SIGN | | I/36 (LD-1) |
| 13 | INTERPRETIVE SIGN | | D/36 (LD-1) |
| 14 | WOOD BENCH | | E/36 (LD-1) |
| 15 | 'REVEGETATION IN PROGRESS' SIGN | | B/31 (LD-2) |
| 16 | 'END OF TRAIL' SIGN | | B/31 (LD-2) |
| 17 | DIRECTIONAL SIGN INDICATING PARKING LOTS | | B/31 (LD-2) |
| 18 | ADA DIRECTIONAL SIGN | | A/31 (LD-2) |
| 19 | TRASH RECEPTACLE |  | ..... |
| 20 | PROPOSED SWALE | | SEE CIVIL DWGS. |
| 21 | STORM DRAIN INLET | | SEE CIVIL DWGS. |
| 22 | STORM DRAIN CLEAN OUT | | SEE CIVIL DWGS. |
| 23 | STORM DRAIN MAIN LINE | | SEE CIVIL DWGS. |
| 24 | PHASE I REVEGETATION BOUNDARY |  | ..... |
| 25 | LIMIT OF WORK LINE |  | ..... |
| 26 | PROPERTY LINE |  | ..... |
| 27 | TOP OF BLUFF LINE |  | ..... |
| 28 | GRADE DIP | | C/31 (LD-2) |
| 29 | TEMPORARY AC DIKE | | SDR&D G-5 (TYPE D) |
| 30 | EXISTING CATHODIC TEST STATION | | SEE AS-BUILTS |
| 31 | EXISTING BLOW-OFF VAULT | | SEE AS-BUILTS |
| 32 | RAISED CAUSEWAY | | A/38 (LD-3) |
| 33 | TIMBER CRIB WALL | | B/38 (LD-3) |
| 34 | REMOVABLE BOLLARD | | SDR&D M-16 |

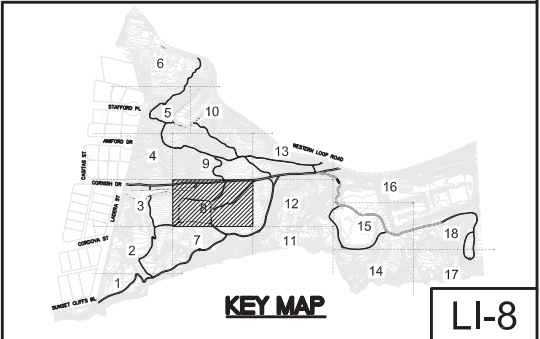


NOTES:

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SEE SHEET 36, SHEET 31 AND SHEET 38 FOR CONSTRUCTION DETAILS.
SEE SPECIFICATIONS AND SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.



**PLANS FOR
SUNSET CLIFFS NATURAL PARK
HILLSIDE IMPROVEMENTS
IMPROVEMENT PLAN**

| | | |
|---|------------------|-------------------|
| CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 25 OF 78 SHEETS | | WBS _____ |
| APPROVED FOR CITY ENGINEER | | DATE _____ |
| DESCRIPTION | BY | APPROVED |
| ORIGINAL | ELP | DATE _____ |
| PROJECT MANAGER | PROJECT ENGINEER | CCS27 COORDINATE |
| CONTRACTOR | DATE STARTED | DATE COMPLETED |
| INSPECTOR | | |
| | | 36768-25-D |

Drawing name: M:\Projects\10012261-SunsetCliffs\10012261-Sub\12261_C.dwg U=8 May 29, 2013 1:04pm by: dno77

| CONSTRUCTION CHANGE / ADDENDUM | | | |
|--------------------------------|------|---------------------------------|--------------|
| CHANGE | DATE | AFFECTED OR ADDED SHEET NUMBERS | APPROVAL NO. |
| | | | |
| | | | |

WARNING

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

**CITY OF SAN DIEGO
PUBLIC WORKS PROJECT**



CONSULTANT

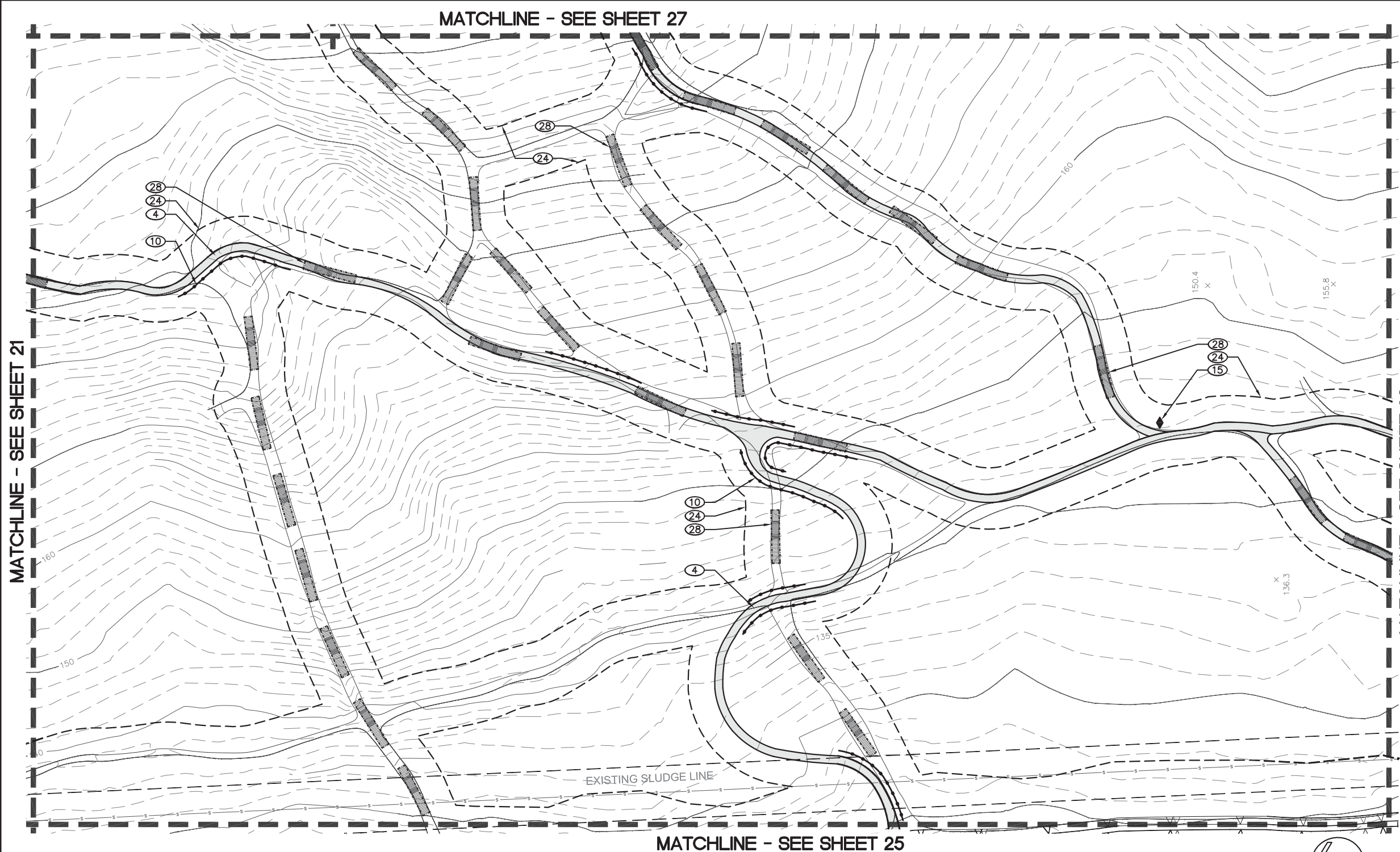
Estrada Land Planning
Urban Design Landscape Architecture Computer Imaging

619.236.0143
225 Broadway, Suite 1160
San Diego, California 92101
619.236.0578 Fax
ELP@EstradaLandPlan.com



SUNSET CLIFFS NATURAL PARK 100% SUBMITTAL

Drawing name: M:\Projects\10012261-SunsetCliffs\10012261_10012261.dwg User: jlm Date: 05/29/2013 1:05pm by: dno/77



| NUM. | DESCRIPTION | SYMBOL | REFERENCE |
|------|--|----------|--------------------|
| 1 | DG MULTI-USE TRAIL / SLUDGE LINE ACCESS MAINTENANCE EASEMENT - 8' WIDE | [Symbol] | A/36 (LD-1) |
| 2 | PRIMARY TRAIL - NATIVE SOIL 6' WIDE | [Symbol] | ..... |
| 3 | DG ADA TRAIL - 6' WIDE | [Symbol] | A/36 (LD-1) |
| 4 | SECONDARY TRAIL - NATIVE SOIL - 3' WIDE | [Symbol] | ..... |
| 5 | DISSIPATER | [Symbol] | D/31 (LD-2) |
| 6 | NEW AC CURB | [Symbol] | SDR&D G-5 (TYPE B) |
| 7 | PEDESTRIAN BRIDGE | [Symbol] | F/31 (LD-2) |
| 8 | CRIB LADDER STAIRWAY | [Symbol] | F/36 (LD-1) |
| 9 | OVERLOOK | [Symbol] | C/36 (LD-1) |
| 10 | POST AND CABLE RAILING | [Symbol] | B/36 (LD-1) |
| 11 | ENTRY MONUMENT | [Symbol] | G/36 (LD-1) |
| 12 | INFORMATIONAL SIGN | [Symbol] | I/36 (LD-1) |
| 13 | INTERPRETIVE SIGN | [Symbol] | D/36 (LD-1) |
| 14 | WOOD BENCH | [Symbol] | E/36 (LD-1) |
| 15 | 'REVEGETATION IN PROGRESS' SIGN | [Symbol] | B/31 (LD-2) |
| 16 | 'END OF TRAIL' SIGN | [Symbol] | B/31 (LD-2) |
| 17 | DIRECTIONAL SIGN INDICATING PARKING LOTS | [Symbol] | B/31 (LD-2) |
| 18 | ADA DIRECTIONAL SIGN | [Symbol] | A/31 (LD-2) |
| 19 | TRASH RECEPTACLE | [Symbol] | ..... |
| 20 | PROPOSED SWALE | [Symbol] | SEE CIVIL DWGS. |
| 21 | STORM DRAIN INLET | [Symbol] | SEE CIVIL DWGS. |
| 22 | STORM DRAIN CLEAN OUT | [Symbol] | SEE CIVIL DWGS. |
| 23 | STORM DRAIN MAIN LINE | [Symbol] | SEE CIVIL DWGS. |
| 24 | PHASE I REVEGETATION BOUNDARY | [Symbol] | ..... |
| 25 | LIMIT OF WORK LINE | [Symbol] | ..... |
| 26 | PROPERTY LINE | [Symbol] | ..... |
| 27 | TOP OF BLUFF LINE | [Symbol] | ..... |
| 28 | GRADE DIP | [Symbol] | C/31 (LD-2) |
| 29 | TEMPORARY AC DIKE | [Symbol] | SDR&D G-5 (TYPE D) |
| 30 | EXISTING CATHODIC TEST STATION | [Symbol] | SEE AS-BUILTS |
| 31 | EXISTING BLOW-OFF VAULT | [Symbol] | SEE AS-BUILTS |
| 32 | RAISED CAUSEWAY | [Symbol] | A/38 (LD-3) |
| 33 | TIMBER CRIB WALL | [Symbol] | B/38 (LD-3) |
| 34 | REMOVABLE BOLLARD | [Symbol] | SDR&D M-16 |

MATCHLINE - SEE SHEET 21

MATCHLINE - SEE SHEET 30

- NOTES:**
- PRIOR TO CONSTRUCTION, A NESTING SURVEY FOR RAPTORS WILL BE CONDUCTED. RAPTORS THAT POTENTIALLY NEST WITHIN THE PROJECT AREA INCLUDE COOPER'S HAWK, RED-SHOULDERED HAWK, AND WHITE-TAILED KITE.
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SEE SHEET 36, SHEET 31 AND SHEET 38 FOR CONSTRUCTION DETAILS.
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| CONSTRUCTION CHANGE / ADDENDUM | | | |
|--------------------------------|------|---------------------------------|--------------|
| CHANGE | DATE | AFFECTED OR ADDED SHEET NUMBERS | APPROVAL NO. |
| | | | |
| | | | |

WARNING

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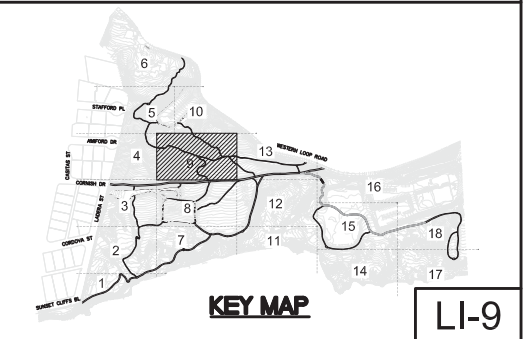
**CITY OF SAN DIEGO
PUBLIC WORKS PROJECT**



CONSULTANT

Estrada Land Planning
Urban Design Landscape Architecture Computer Imaging

619.236.0143
225 Broadway, Suite 1160
San Diego, California 92101
619.236.0578 Fax
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**PLANS FOR
SUNSET CLIFFS NATURAL PARK
HILLSIDE IMPROVEMENTS
IMPROVEMENT PLAN**

CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING AND CAPITAL PROJECTS DEPARTMENT
SHEET 26 OF 78 SHEETS

WBS _____
WBS _____

APPROVED FOR CITY ENGINEER _____ DATE _____ PROJECT MANAGER _____

| DESCRIPTION | BY | APPROVED | DATE | FILMED |
|-------------|-----|----------|------|--------|
| ORIGINAL | ELP | | | |

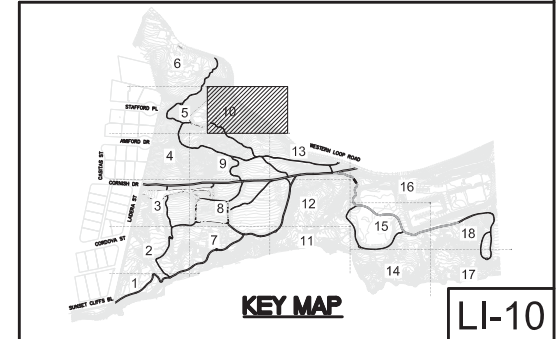
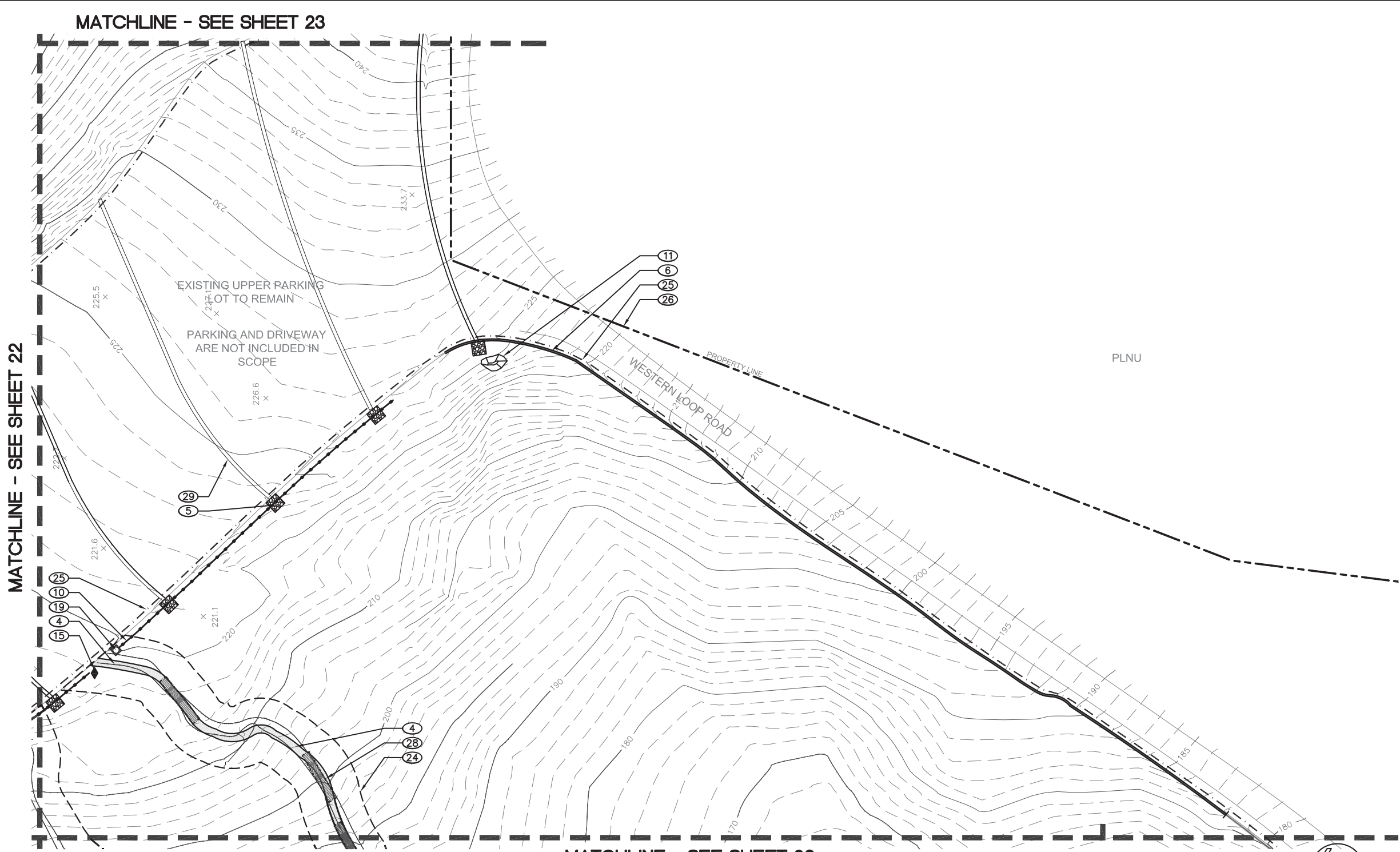
PROJECT ENGINEER _____
CC827 COORDINATE _____
CC883 COORDINATE _____

CONTRACTOR _____ DATE STARTED _____
INSPECTOR _____ DATE COMPLETED _____

36768-26-D

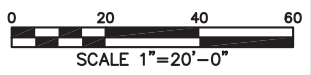
SUNSET CLIFFS NATURAL PARK 100% SUBMITTAL

| NUM. | DESCRIPTION | SYMBOL | REFERENCE |
|------|--|--------|--------------------|
| 1 | DG MULTI-USE TRAIL / SLUDGE LINE ACCESS MAINTENANCE EASEMENT - 8' WIDE | | A/36 (LD-1) |
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| 4 | SECONDARY TRAIL - NATIVE SOIL - 3' WIDE | | |
| 5 | DISSIPATER | | D/31 (LD-2) |
| 6 | NEW AC CURB | | SDR&D G-5 (TYPE B) |
| 7 | PEDESTRIAN BRIDGE | | F/31 (LD-2) |
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| 9 | OVERLOOK | | C/36 (LD-1) |
| 10 | POST AND CABLE RAILING | | B/36 (LD-1) |
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| 16 | 'END OF TRAIL' SIGN | | B/31 (LD-2) |
| 17 | DIRECTIONAL SIGN INDICATING PARKING LOTS | | B/31 (LD-2) |
| 18 | ADA DIRECTIONAL SIGN | | A/31 (LD-2) |
| 19 | TRASH RECEPTACLE |  | ..... |
| 20 | PROPOSED SWALE | | SEE CIVIL DWGS. |
| 21 | STORM DRAIN INLET | | SEE CIVIL DWGS. |
| 22 | STORM DRAIN CLEAN OUT | | SEE CIVIL DWGS. |
| 23 | STORM DRAIN MAIN LINE | | SEE CIVIL DWGS. |
| 24 | PHASE I REVEGETATION BOUNDARY |  | ..... |
| 25 | LIMIT OF WORK LINE |  | ..... |
| 26 | PROPERTY LINE |  | ..... |
| 27 | TOP OF BLUFF LINE |  | ..... |
| 28 | GRADE DIP | | C/31 (LD-2) |
| 29 | TEMPORARY AC DIKE | | SDR&D G-5 (TYPE D) |
| 30 | EXISTING CATHODIC TEST STATION | | SEE AS-BUILTS |
| 31 | EXISTING BLOW-OFF VAULT | | SEE AS-BUILTS |
| 32 | RAISED CAUSEWAY | | A/38 (LD-3) |
| 33 | TIMBER CRIB WALL | | B/38 (LD-3) |
| 34 | REMOVABLE BOLLARD | | SDR&D M-16 |



- NOTES:**
- PRIOR TO CONSTRUCTION, A NESTING SURVEY FOR RAPTORS WILL BE CONDUCTED. RAPTORS THAT POTENTIALLY NEST WITHIN THE PROJECT AREA INCLUDE COOPER'S HAWK, RED-SHOULDERED HAWK, AND WHITE-TAILED KITE.
 - IN ADDITION, A SURVEY SHALL BE CONDUCTED WITHIN 300 FEET OF IMPACT AREAS TO IDENTIFY IF THERE ARE POTENTIAL NESTING BURROWS OF THE BURROUGING OWL.
 - NO IMPROVEMENTS ARE TO BE MADE DURING RAPTOR OR OWL BREEDING SEASONS.
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SEE SHEET 36, SHEET 31 AND SHEET 38 FOR CONSTRUCTION DETAILS.
SEE SPECIFICATIONS AND SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.



| CONSTRUCTION CHANGE / ADDENDUM | | | |
|--------------------------------|------|---------------------------------|--------------|
| CHANGE | DATE | AFFECTED OR ADDED SHEET NUMBERS | APPROVAL NO. |
| | | | |
| | | | |

WARNING

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

**CITY OF SAN DIEGO
PUBLIC WORKS PROJECT**



TEMPORARY BMP CONSTRUCTION SITE STORM WATER PRIORITY: HIGH _____ MEDIUM _____ LOW _____ SPEC. NO. _____

CONSULTANT

Estrada Land Planning
Urban Design Landscape Architecture Computer Imaging

619.236.0143
225 Broadway, Suite 1160
San Diego, California 92101
619.236.0578 Fax
ELP@EstradaLandPlan.com

**PLANS FOR
SUNSET CLIFFS NATURAL PARK
HILLSIDE IMPROVEMENTS
IMPROVEMENT PLAN**

CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING AND CAPITAL PROJECTS DEPARTMENT
SHEET 27 OF 78 SHEETS

WBS _____
WBS _____

APPROVED FOR CITY ENGINEER _____ DATE _____ PROJECT MANAGER _____

| DESCRIPTION | BY | APPROVED | DATE | FILMED |
|-------------|-----|----------|------|--------|
| ORIGINAL | ELP | | | |

PROJECT ENGINEER _____
CC827 COORDINATE _____
CC883 COORDINATE _____

CONTRACTOR _____ DATE STARTED _____
INSPECTOR _____ DATE COMPLETED _____

36768-27-D

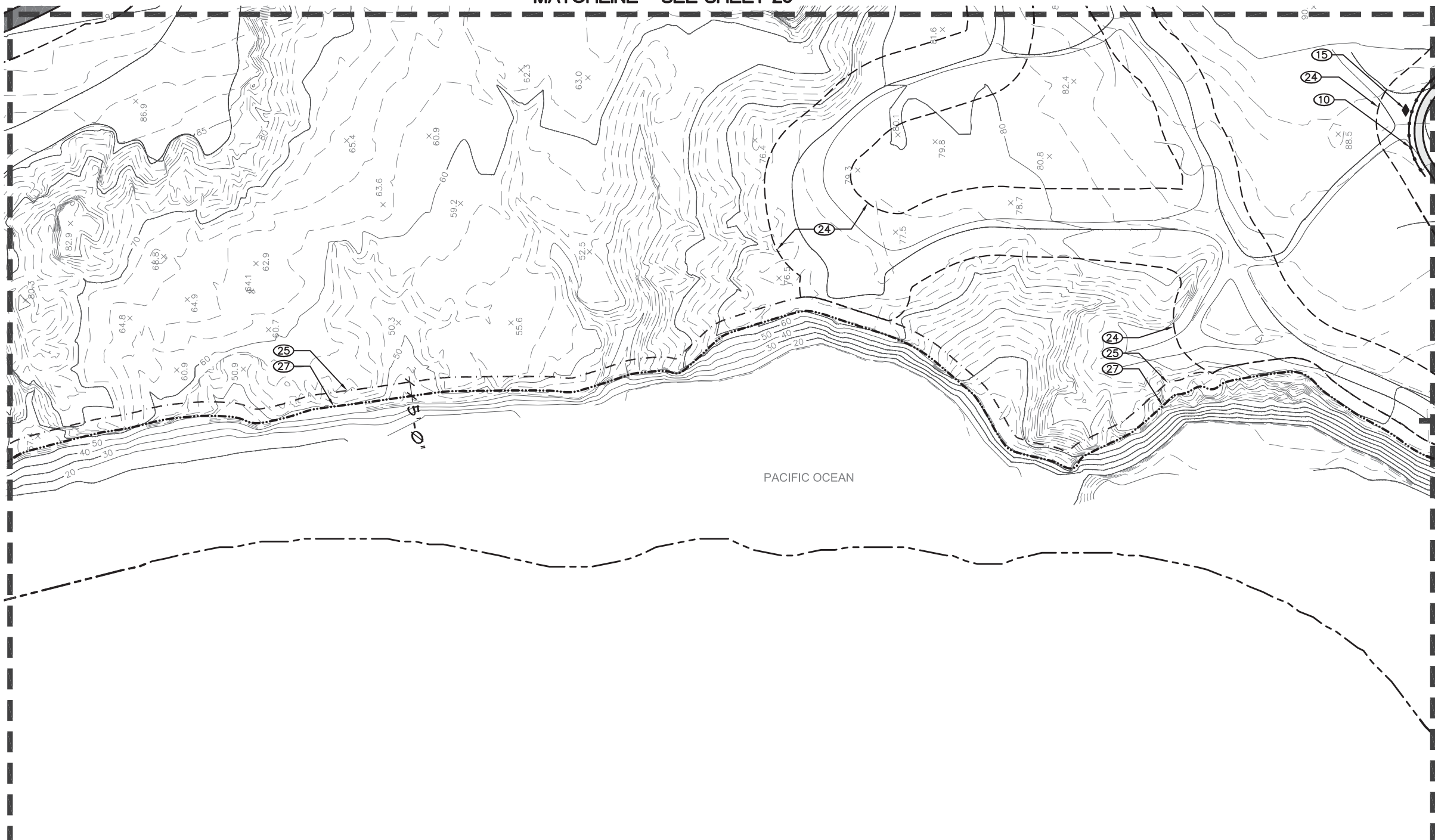
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MATCHLINE - SEE SHEET 29

MATCHLINE - SEE SHEET 24

MATCHLINE - SEE SHEET 31

MATCHLINE - SEE SHEET 32



PACIFIC OCEAN

| NUM. | DESCRIPTION | SYMBOL | REFERENCE |
|------|--|--------|--------------------|
| 1 | DG MULTI-USE TRAIL / SLUDGE LINE ACCESS MAINTENANCE EASEMENT - 8' WIDE | | A/36 (LD-1) |
| 2 | PRIMARY TRAIL - NATIVE SOIL 6' WIDE |  | ..... |
| 3 | DG ADA TRAIL - 6' WIDE | | A/36 (LD-1) |
| 4 | SECONDARY TRAIL - NATIVE SOIL - 3' WIDE |  | ..... |
| 5 | DISSIPATER | | D/31 (LD-2) |
| 6 | NEW AC CURB | | SDR&D G-5 (TYPE B) |
| 7 | PEDESTRIAN BRIDGE | | F/31 (LD-2) |
| 8 | CRIB LADDER STAIRWAY | | F/36 (LD-1) |
| 9 | OVERLOOK | | C/36 (LD-1) |
| 10 | POST AND CABLE RAILING | | B/36 (LD-1) |
| 11 | ENTRY MONUMENT | | G/36 (LD-1) |
| 12 | INFORMATIONAL SIGN | | I/36 (LD-1) |
| 13 | INTERPRETIVE SIGN | | D/36 (LD-1) |
| 14 | WOOD BENCH | | E/36 (LD-1) |
| 15 | 'REVEGETATION IN PROGRESS' SIGN | | B/31 (LD-2) |
| 16 | 'END OF TRAIL' SIGN | | B/31 (LD-2) |
| 17 | DIRECTIONAL SIGN INDICATING PARKING LOTS | | B/31 (LD-2) |
| 18 | ADA DIRECTIONAL SIGN | | A/31 (LD-2) |
| 19 | TRASH RECEPTACLE |  | ..... |
| 20 | PROPOSED SWALE | | SEE CIVIL DWGS. |
| 21 | STORM DRAIN INLET | | SEE CIVIL DWGS. |
| 22 | STORM DRAIN CLEAN OUT | | SEE CIVIL DWGS. |
| 23 | STORM DRAIN MAIN LINE | | SEE CIVIL DWGS. |
| 24 | PHASE I REVEGETATION BOUNDARY |  | ..... |
| 25 | LIMIT OF WORK LINE |  | ..... |
| 26 | PROPERTY LINE |  | ..... |
| 27 | TOP OF BLUFF LINE |  | ..... |
| 28 | GRADE DIP | | C/31 (LD-2) |
| 29 | TEMPORARY AC DIKE | | SDR&D G-5 (TYPE D) |
| 30 | EXISTING CATHODIC TEST STATION | | SEE AS-BUILTS |
| 31 | EXISTING BLOW-OFF VAULT | | SEE AS-BUILTS |
| 32 | RAISED CAUSEWAY | | A/38 (LD-3) |
| 33 | TIMBER CRIB WALL | | B/38 (LD-3) |
| 34 | REMOVABLE BOLLARD | | SDR&D M-16 |

NOTES:

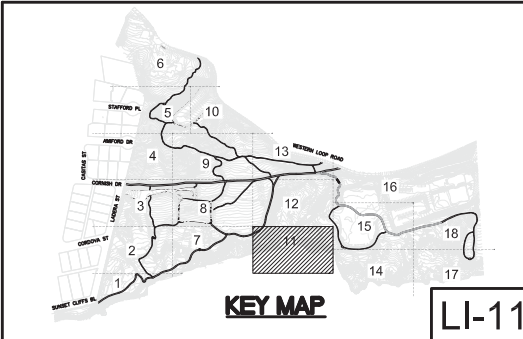
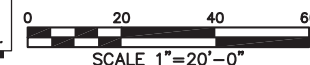
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SEE SHEET 36, SHEET 31 AND SHEET 38 FOR CONSTRUCTION DETAILS.
SEE SPECIFICATIONS AND SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.



LI-11

**PLANS FOR
SUNSET CLIFFS NATURAL PARK
HILLSIDE IMPROVEMENTS
IMPROVEMENT PLAN**

| | | |
|---|------------------|------------------|
| CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 28 OF 78 SHEETS | | WBS _____ |
| APPROVED FOR CITY ENGINEER | | DATE _____ |
| DESCRIPTION | BY | APPROVED |
| ORIGINAL | ELP | DATE |
| PROJECT MANAGER | PROJECT ENGINEER | CC827 COORDINATE |
| CONTRACTOR | DATE STARTED | DATE COMPLETED |
| INSPECTOR | | 36768-28-D |

| CONSTRUCTION CHANGE / ADDENDUM | | | |
|--------------------------------|------|---------------------------------|--------------|
| CHANGE | DATE | AFFECTED OR ADDED SHEET NUMBERS | APPROVAL NO. |
| | | | |
| | | | |

WARNING

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

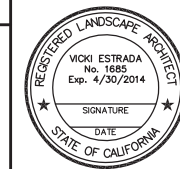
**CITY OF SAN DIEGO
PUBLIC WORKS PROJECT**



CONSULTANT

Estrada Land Planning
Urban Design Landscape Architecture Computer Imaging

619.236.0143
225 Broadway, Suite 1160
San Diego, California 92101
619.236.0578 Fax
ELP@EstradaLandPlan.com



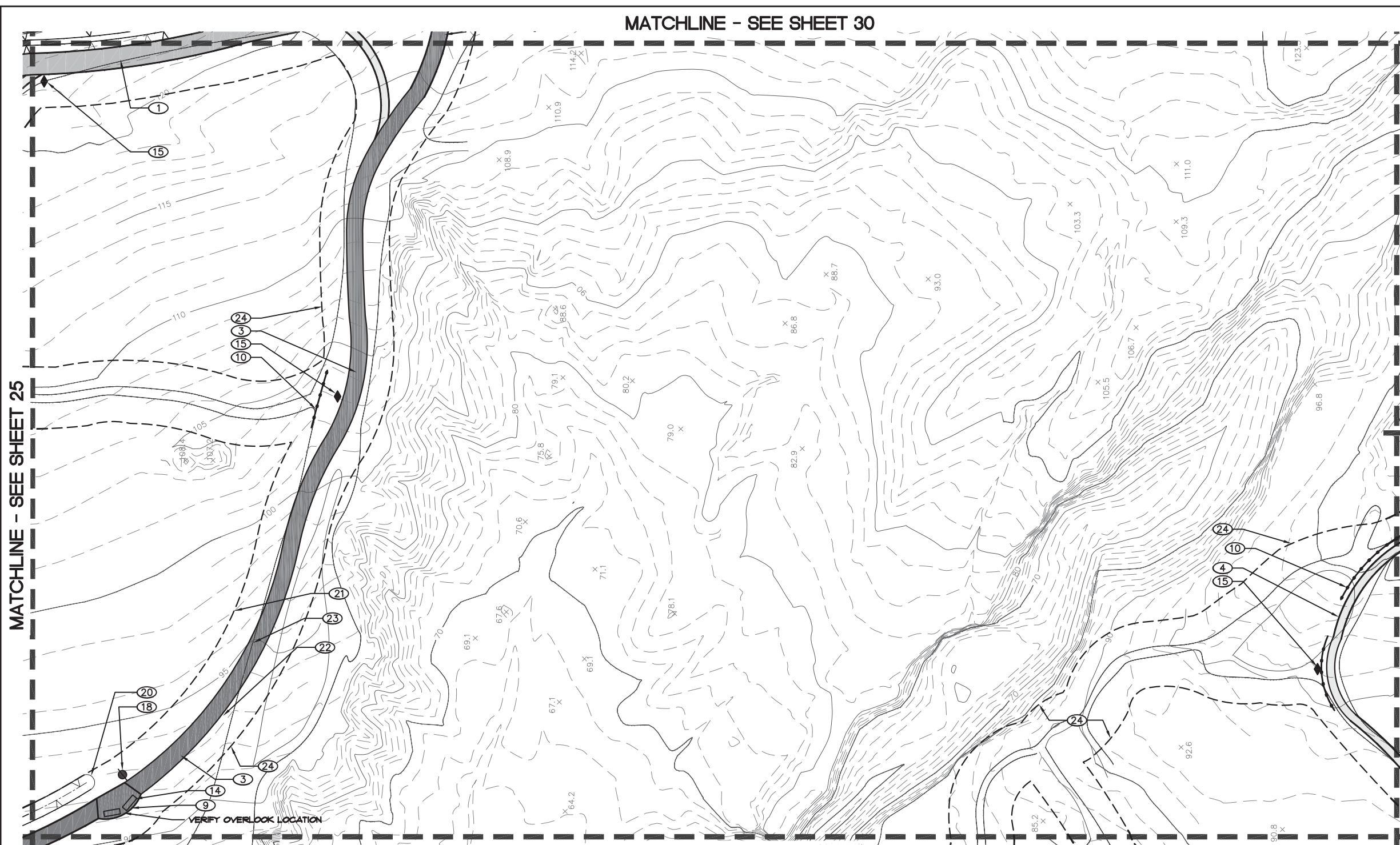
SUNSET CLIFFS NATURAL PARK 100% SUBMITTAL

MATCHLINE - SEE SHEET 30

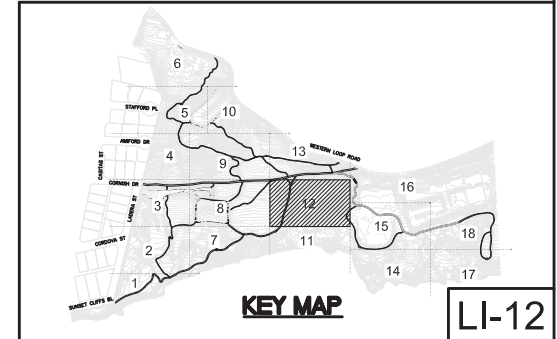
MATCHLINE - SEE SHEET 25

MATCHLINE - SEE SHEET 32

MATCHLINE - SEE SHEET 28



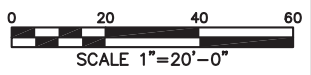
| NUM. | DESCRIPTION | SYMBOL | REFERENCE |
|------|--|----------|--------------------|
| 1 | DG MULTI-USE TRAIL / SLUDGE LINE ACCESS MAINTENANCE EASEMENT - 8' WIDE | [Symbol] | A/36 (LD-1) |
| 2 | PRIMARY TRAIL - NATIVE SOIL 6' WIDE | [Symbol] | |
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| 4 | SECONDARY TRAIL - NATIVE SOIL - 3' WIDE | [Symbol] | |
| 5 | DISSIPATER | [Symbol] | D/31 (LD-2) |
| 6 | NEW AC CURB | [Symbol] | SDR&D G-5 (TYPE B) |
| 7 | PEDESTRIAN BRIDGE | [Symbol] | F/31 (LD-2) |
| 8 | CRIB LADDER STAIRWAY | [Symbol] | F/36 (LD-1) |
| 9 | OVERLOOK | [Symbol] | C/36 (LD-1) |
| 10 | POST AND CABLE RAILING | [Symbol] | B/36 (LD-1) |
| 11 | ENTRY MONUMENT | [Symbol] | G/36 (LD-1) |
| 12 | INFORMATIONAL SIGN | [Symbol] | I/36 (LD-1) |
| 13 | INTERPRETIVE SIGN | [Symbol] | D/36 (LD-1) |
| 14 | WOOD BENCH | [Symbol] | E/36 (LD-1) |
| 15 | 'REVEGETATION IN PROGRESS' SIGN | [Symbol] | B/31 (LD-2) |
| 16 | 'END OF TRAIL' SIGN | [Symbol] | B/31 (LD-2) |
| 17 | DIRECTIONAL SIGN INDICATING PARKING LOTS | [Symbol] | B/31 (LD-2) |
| 18 | ADA DIRECTIONAL SIGN | [Symbol] | A/31 (LD-2) |
| 19 | TRASH RECEPTACLE | [Symbol] | ..... |
| 20 | PROPOSED SWALE | [Symbol] | SEE CIVIL DWGS. |
| 21 | STORM DRAIN INLET | [Symbol] | SEE CIVIL DWGS. |
| 22 | STORM DRAIN CLEAN OUT | [Symbol] | SEE CIVIL DWGS. |
| 23 | STORM DRAIN MAIN LINE | [Symbol] | SEE CIVIL DWGS. |
| 24 | PHASE I REVEGETATION BOUNDARY | [Symbol] | ..... |
| 25 | LIMIT OF WORK LINE | [Symbol] | ..... |
| 26 | PROPERTY LINE | [Symbol] | ..... |
| 27 | TOP OF BLUFF LINE | [Symbol] | ..... |
| 28 | GRADE DIP | [Symbol] | C/31 (LD-2) |
| 29 | TEMPORARY AC DIKE | [Symbol] | SDR&D G-5 (TYPE D) |
| 30 | EXISTING CATHODIC TEST STATION | [Symbol] | SEE AS-BUILTS |
| 31 | EXISTING BLOW-OFF VAULT | [Symbol] | SEE AS-BUILTS |
| 32 | RAISED CAUSEWAY | [Symbol] | A/38 (LD-3) |
| 33 | TIMBER CRIB WALL | [Symbol] | B/38 (LD-3) |
| 34 | REMOVABLE BOLLARD | [Symbol] | SDR&D M-16 |



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| CONSTRUCTION CHANGE / ADDENDUM | | | |
|--------------------------------|------|---------------------------------|--------------|
| CHANGE | DATE | AFFECTED OR ADDED SHEET NUMBERS | APPROVAL NO. |
| | | | |
| | | | |

WARNING

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

**CITY OF SAN DIEGO
PUBLIC WORKS PROJECT**



TEMPORARY BMP CONSTRUCTION SITE STORM WATER PRIORITY: HIGH _____ MEDIUM _____ LOW _____ SPEC. NO. _____

CONSULTANT

Estrada Land Planning
Urban Design Landscape Architecture Computer Imaging

619.236.0143
225 Broadway, Suite 1160
San Diego, California 92101
619.236.0578 Fax
ELP@EstradaLandPlan.com

**PLANS FOR
SUNSET CLIFFS NATURAL PARK
HILLSIDE IMPROVEMENTS
IMPROVEMENT PLAN**

CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING AND CAPITAL PROJECTS DEPARTMENT
SHEET 29 OF 78 SHEETS

WBS _____
WBS _____

APPROVED _____

| FOR CITY ENGINEER | | DATE | | PROJECT MANAGER |
|-------------------|-----|----------|------|-----------------|
| DESCRIPTION | BY | APPROVED | DATE | FILMED |
| ORIGINAL | ELP | | | |

PROJECT ENGINEER _____
CC827 COORDINATE _____
CC883 COORDINATE _____

CONTRACTOR _____ DATE STARTED _____
INSPECTOR _____ DATE COMPLETED _____

36768-29-D

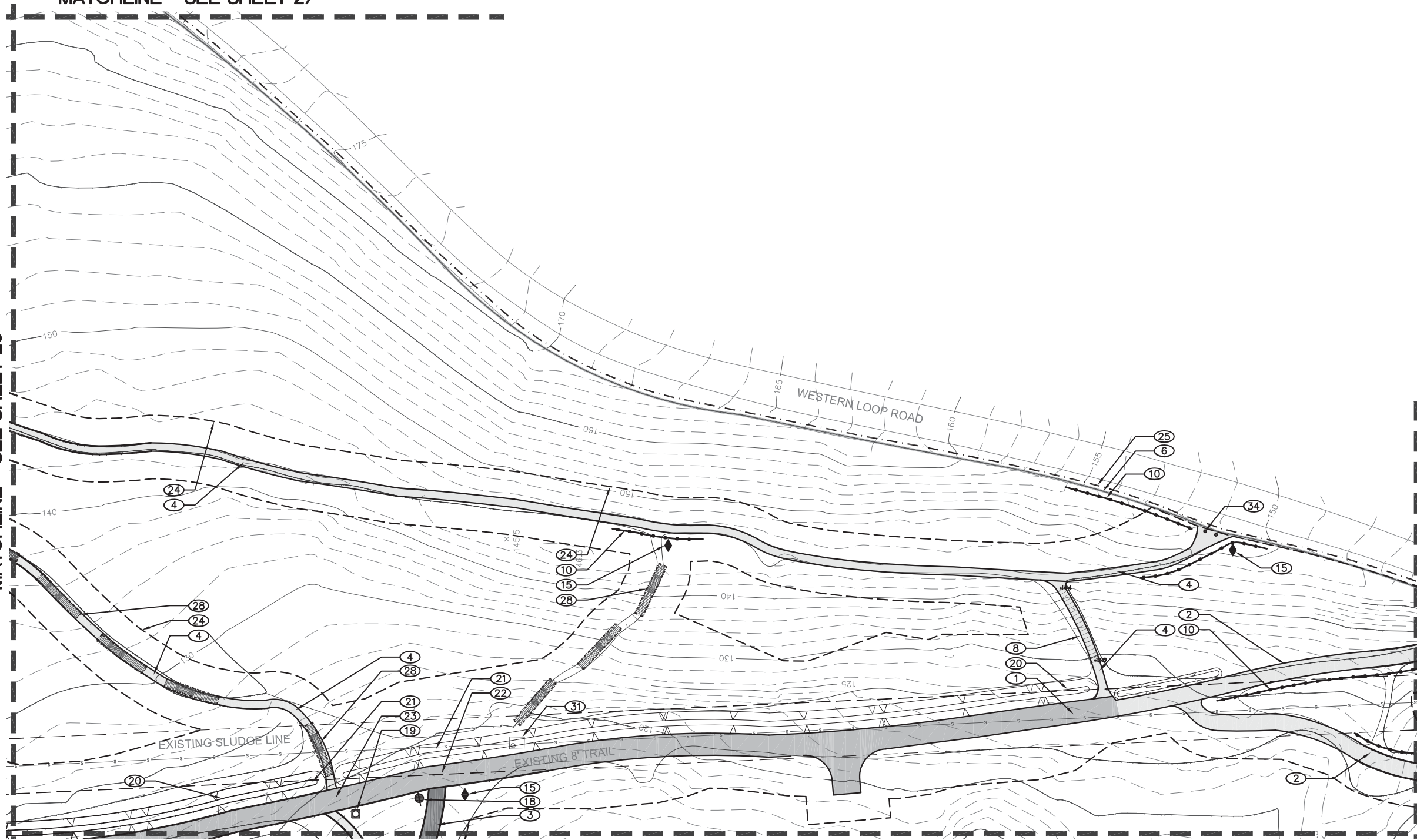
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SUNSET CLIFFS NATURAL PARK 100% SUBMITTAL

MATCHLINE - SEE SHEET 27

MATCHLINE - SEE SHEET 26

MATCHLINE - SEE SHEET 33

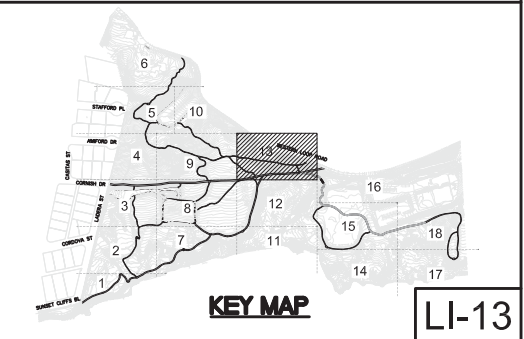
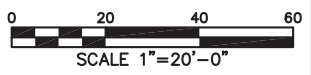


| NUM. | DESCRIPTION | SYMBOL | REFERENCE |
|------|--|----------|--------------------|
| 1 | DG MULTI-USE TRAIL / SLUDGE LINE ACCESS MAINTENANCE EASEMENT - 8' WIDE | [Symbol] | A/36 (LD-1) |
| 2 | PRIMARY TRAIL - NATIVE SOIL 6' WIDE | [Symbol] | |
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| 4 | SECONDARY TRAIL - NATIVE SOIL - 3' WIDE | [Symbol] | |
| 5 | DISSIPATER | [Symbol] | D/31 (LD-2) |
| 6 | NEW AC CURB | [Symbol] | SDR&D G-5 (TYPE B) |
| 7 | PEDESTRIAN BRIDGE | [Symbol] | F/31 (LD-2) |
| 8 | CRIB LADDER STAIRWAY | [Symbol] | F/36 (LD-1) |
| 9 | OVERLOOK | [Symbol] | C/36 (LD-1) |
| 10 | POST AND CABLE RAILING | [Symbol] | B/36 (LD-1) |
| 11 | ENTRY MONUMENT | [Symbol] | G/36 (LD-1) |
| 12 | INFORMATIONAL SIGN | [Symbol] | I/36 (LD-1) |
| 13 | INTERPRETIVE SIGN | [Symbol] | D/36 (LD-1) |
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| 15 | 'REVEGETATION IN PROGRESS' SIGN | [Symbol] | B/31 (LD-2) |
| 16 | 'END OF TRAIL' SIGN | [Symbol] | B/31 (LD-2) |
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| 18 | ADA DIRECTIONAL SIGN | [Symbol] | A/31 (LD-2) |
| 19 | TRASH RECEPTACLE | [Symbol] | |
| 20 | PROPOSED SWALE | [Symbol] | SEE CIVIL DWGS. |
| 21 | STORM DRAIN INLET | [Symbol] | SEE CIVIL DWGS. |
| 22 | STORM DRAIN CLEAN OUT | [Symbol] | SEE CIVIL DWGS. |
| 23 | STORM DRAIN MAIN LINE | [Symbol] | SEE CIVIL DWGS. |
| 24 | PHASE I REVEGETATION BOUNDARY | [Symbol] | ..... |
| 25 | LIMIT OF WORK LINE | [Symbol] | ..... |
| 26 | PROPERTY LINE | [Symbol] | ..... |
| 27 | TOP OF BLUFF LINE | [Symbol] | ..... |
| 28 | GRADE DIP | [Symbol] | C/31 (LD-2) |
| 29 | TEMPORARY AC DIKE | [Symbol] | SDR&D G-5 (TYPE D) |
| 30 | EXISTING CATHODIC TEST STATION | [Symbol] | SEE AS-BUILTS |
| 31 | EXISTING BLOW-OFF VAULT | [Symbol] | SEE AS-BUILTS |
| 32 | RAISED CAUSEWAY | [Symbol] | A/38 (LD-3) |
| 33 | TIMBER CRIB WALL | [Symbol] | B/38 (LD-3) |
| 34 | REMOVABLE BOLLARD | [Symbol] | SDR&D M-16 |

NOTES:

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**PLANS FOR
SUNSET CLIFFS NATURAL PARK
HILLSIDE IMPROVEMENTS
IMPROVEMENT PLAN**

CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING AND CAPITAL PROJECTS DEPARTMENT
SHEET 30 OF 78 SHEETS

WBS _____
WBS _____

APPROVED: _____
FOR CITY ENGINEER

| DESCRIPTION | BY | APPROVED | DATE | FILMED |
|-------------|-----|----------|------|--------|
| ORIGINAL | ELP | | | |

PROJECT MANAGER _____
PROJECT ENGINEER _____
CC827 COORDINATE _____
CC883 COORDINATE _____

CONTRACTOR _____ DATE STARTED _____
INSPECTOR _____ DATE COMPLETED _____

36768-30-D

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| CONSTRUCTION CHANGE / ADDENDUM | | | |
|--------------------------------|------|---------------------------------|--------------|
| CHANGE | DATE | AFFECTED OR ADDED SHEET NUMBERS | APPROVAL NO. |
| | | | |
| | | | |

WARNING

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

**CITY OF SAN DIEGO
PUBLIC WORKS PROJECT**



CONSULTANT

Estrada Land Planning
Urban Design Landscape Architecture Computer Imaging

619.236.0143
225 Broadway, Suite 1160
San Diego, California 92101
619.236.0578 Fax
ELP@EstradaLandPlan.com

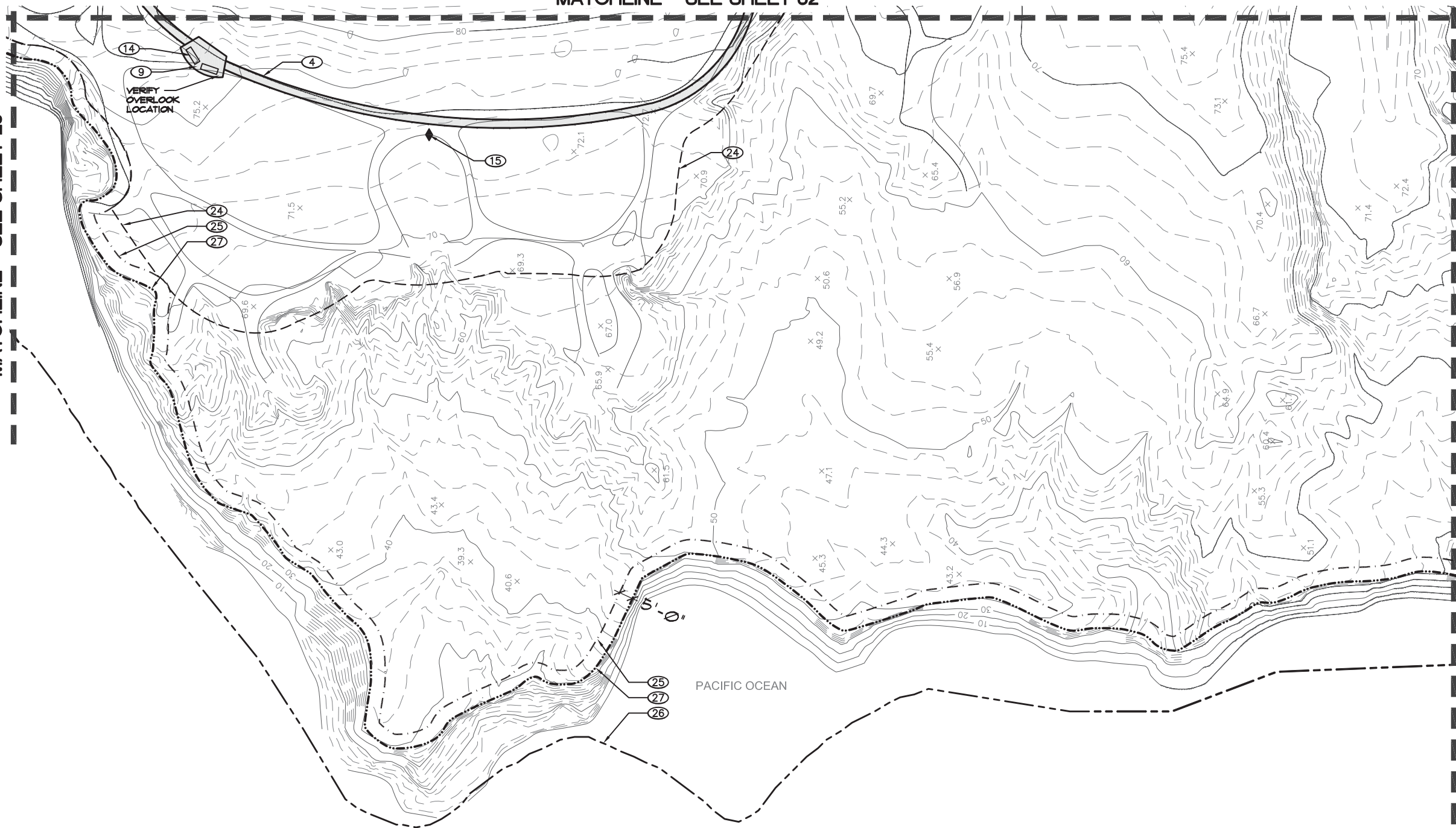


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MATCHLINE - SEE SHEET 32

MATCHLINE - SEE SHEET 28

MATCHLINE - SEE SHEET 34



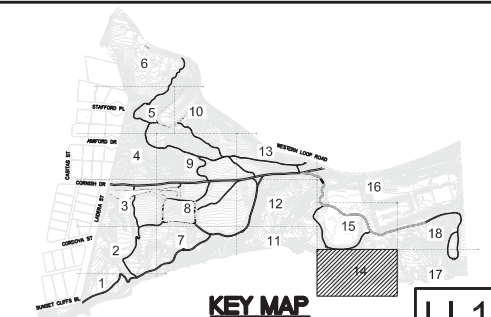
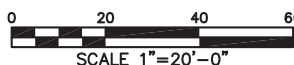
| NUM. | DESCRIPTION | SYMBOL | REFERENCE |
|------|--|--------|--------------------|
| 1 | DG MULTI-USE TRAIL / SLUDGE LINE ACCESS MAINTENANCE EASEMENT - 8' WIDE | | A/36 (LD-1) |
| 2 | PRIMARY TRAIL - NATIVE SOIL 6' WIDE | | |
| 3 | DG ADA TRAIL - 6' WIDE | | A/36 (LD-1) |
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| 9 | OVERLOOK | | C/36 (LD-1) |
| 10 | POST AND CABLE RAILING | | B/36 (LD-1) |
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| 15 | 'REVEGETATION IN PROGRESS' SIGN | | B/31 (LD-2) |
| 16 | 'END OF TRAIL' SIGN | | B/31 (LD-2) |
| 17 | DIRECTIONAL SIGN INDICATING PARKING LOTS | | B/31 (LD-2) |
| 18 | ADA DIRECTIONAL SIGN | | A/31 (LD-2) |
| 19 | TRASH RECEPTACLE |  | ..... |
| 20 | PROPOSED SWALE | | SEE CIVIL DWGS. |
| 21 | STORM DRAIN INLET | | SEE CIVIL DWGS. |
| 22 | STORM DRAIN CLEAN OUT | | SEE CIVIL DWGS. |
| 23 | STORM DRAIN MAIN LINE | | SEE CIVIL DWGS. |
| 24 | PHASE I REVEGETATION BOUNDARY |  | ..... |
| 25 | LIMIT OF WORK LINE |  | ..... |
| 26 | PROPERTY LINE |  | ..... |
| 27 | TOP OF BLUFF LINE |  | ..... |
| 28 | GRADE DIP | | C/31 (LD-2) |
| 29 | TEMPORARY AC DIKE | | SDR&D G-5 (TYPE D) |
| 30 | EXISTING CATHODIC TEST STATION | | SEE AS-BUILTS |
| 31 | EXISTING BLOW-OFF VAULT | | SEE AS-BUILTS |
| 32 | RAISED CAUSEWAY | | A/38 (LD-3) |
| 33 | TIMBER CRIB WALL | | B/38 (LD-3) |
| 34 | REMOVABLE BOLLARD | | SDR&D M-16 |

NOTES:

- PRIOR TO CONSTRUCTION, A NESTING SURVEY FOR RAPTORS WILL BE CONDUCTED. RAPTORS THAT POTENTIALLY NEST WITHIN THE PROJECT AREA INCLUDE COOPER'S HAWK, RED-SHOULDERED HAWK, AND WHITE-TAILED KITE.
- IN ADDITION, A SURVEY SHALL BE CONDUCTED WITHIN 300 FEET OF IMPACT AREAS TO IDENTIFY IF THERE ARE POTENTIAL NESTING BURROWS OF THE BURROUGING OWL.
- NO IMPROVEMENTS ARE TO BE MADE DURING RAPTORS OR OWL BREEDING SEASONS.
- NESTING BIRD DISCLOSURE - PLEASE NOTE THAT NESTING BIRDS MAY BE PRESENT DURING CONSTRUCTION, AND ARE PROTECTED UNDER U.S. AND STATE LAW INCLUDING THE FEDERAL MIGRATORY BIRD TREATY ACT AND IN PARTICULAR, CA LAW- FISH AND GAME CODE 3503.
- THERE IS THE POSSIBILITY OF ENCOUNTERING BURN ASH AND WASTE DURING CONSTRUCTION. CONTRACTOR SHALL ADHERE TO THE COMMUNITY HEALTH AND SAFETY PLAN AND SOIL MANAGEMENT PLAN.

CDRG CODE 3503 STATES: "IT IS UNLAWFUL TO TAKE, POSSESS, OR NEEDLESSLY DESTROY THE NEST OR EGGS OF ANY BIRD, EXCEPT AS OTHERWISE PROVIDED BY THIS CODE OR ANY REGULATION MADE PURSUANT THERETO."

SEE SHEET 36, SHEET 31 AND SHEET 38 FOR CONSTRUCTION DETAILS.
SEE SPECIFICATIONS AND SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.



**PLANS FOR
SUNSET CLIFFS NATURAL PARK
HILLSIDE IMPROVEMENTS
IMPROVEMENT PLAN**

CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING AND CAPITAL PROJECTS DEPARTMENT
SHEET 31 OF 78 SHEETS

WBS _____
SUBMITTED BY _____
PROJECT MANAGER _____
PROJECT ENGINEER _____
CC827 COORDINATE _____
CC883 COORDINATE _____

CONTRACTOR _____ DATE STARTED _____
INSPECTOR _____ DATE COMPLETED _____

36768- 31 -D

| CONSTRUCTION CHANGE / ADDENDUM | | | |
|--------------------------------|------|---------------------------------|--------------|
| CHANGE | DATE | AFFECTED OR ADDED SHEET NUMBERS | APPROVAL NO. |
| | | | |
| | | | |
| | | | |

WARNING

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

**CITY OF SAN DIEGO
PUBLIC WORKS PROJECT**



CONSULTANT

Estrada Land Planning
Urban Design Landscape Architecture Computer Imaging

619.236.0143
225 Broadway, Suite 1160
San Diego, California 92101
619.236.0578 Fax
ELP@EstradaLandPlan.com



SUNSET CLIFFS NATURAL PARK 100% SUBMITTAL

MATCHLINE - SEE SHEET 33

MATCHLINE - SEE SHEET 28 MATCHLINE - SEE SHEET 29

MATCHLINE - SEE SHEET 35

MATCHLINE - SEE SHEET 31

| NUM. | DESCRIPTION | SYMBOL | REFERENCE |
|------|--|--------|--------------------|
| 1 | DG MULTI-USE TRAIL / SLUDGE LINE ACCESS MAINTENANCE EASEMENT - 8' WIDE | | A/36 (LD-1) |
| 2 | PRIMARY TRAIL - NATIVE SOIL 6' WIDE |  | ..... |
| 3 | DG ADA TRAIL - 6' WIDE | | A/36 (LD-1) |
| 4 | SECONDARY TRAIL - NATIVE SOIL - 3' WIDE |  | ..... |
| 5 | DISSIPATER | | D/31 (LD-2) |
| 6 | NEW AC CURB | | SDR&D G-5 (TYPE B) |
| 7 | PEDESTRIAN BRIDGE | | F/31 (LD-2) |
| 8 | CRIB LADDER STAIRWAY | | F/36 (LD-1) |
| 9 | OVERLOOK | | C/36 (LD-1) |
| 10 | POST AND CABLE RAILING | | B/36 (LD-1) |
| 11 | ENTRY MONUMENT | | G/36 (LD-1) |
| 12 | INFORMATIONAL SIGN | | I/36 (LD-1) |
| 13 | INTERPRETIVE SIGN | | D/36 (LD-1) |
| 14 | WOOD BENCH | | E/36 (LD-1) |
| 15 | 'REVEGETATION IN PROGRESS' SIGN | | B/31 (LD-2) |
| 16 | 'END OF TRAIL' SIGN | | B/31 (LD-2) |
| 17 | DIRECTIONAL SIGN INDICATING PARKING LOTS | | B/31 (LD-2) |
| 18 | ADA DIRECTIONAL SIGN | | A/31 (LD-2) |
| 19 | TRASH RECEPTACLE |  | ..... |
| 20 | PROPOSED SWALE | | SEE CIVIL DWGS. |
| 21 | STORM DRAIN INLET | | SEE CIVIL DWGS. |
| 22 | STORM DRAIN CLEAN OUT | | SEE CIVIL DWGS. |
| 23 | STORM DRAIN MAIN LINE | | SEE CIVIL DWGS. |
| 24 | PHASE I REVEGETATION BOUNDARY |  | ..... |
| 25 | LIMIT OF WORK LINE |  | ..... |
| 26 | PROPERTY LINE |  | ..... |
| 27 | TOP OF BLUFF LINE |  | ..... |
| 28 | GRADE DIP | | C/31 (LD-2) |
| 29 | TEMPORARY AC DIKE | | SDR&D G-5 (TYPE D) |
| 30 | EXISTING CATHODIC TEST STATION | | SEE AS-BUILTS |
| 31 | EXISTING BLOW-OFF VAULT | | SEE AS-BUILTS |
| 32 | RAISED CAUSEWAY | | A/38 (LD-3) |
| 33 | TIMBER CRIB WALL | | B/38 (LD-3) |
| 34 | REMOVABLE BOLLARD | | SDR&D M-16 |

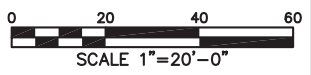
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NOTES:

- PRIOR TO CONSTRUCTION, A NESTING SURVEY FOR RAPTORS WILL BE CONDUCTED. RAPTORS THAT POTENTIALLY NEST WITHIN THE PROJECT AREA INCLUDE COOPER'S HAWK, RED-SHOULDERED HAWK, AND WHITE-TAILED KITE.
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SEE SHEET 36, SHEET 31 AND SHEET 38 FOR CONSTRUCTION DETAILS.
SEE SPECIFICATIONS AND SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.



TEMPORARY BMP CONSTRUCTION SITE STORM WATER PRIORITY: HIGH _____ MEDIUM _____ LOW _____ SPEC. NO.

CONSULTANT

Estrada Land Planning
Urban Design Landscape Architecture Computer Imaging

619.236.0143
225 Broadway, Suite 1160
San Diego, California 92101
619.236.0578 Fax
ELP@EstradaLandPlan.com

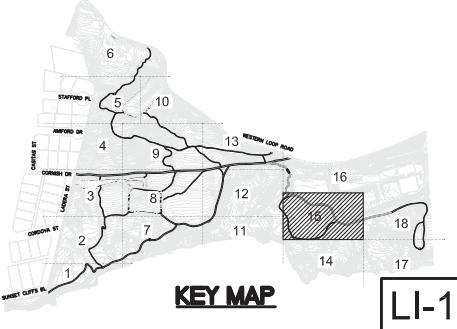


| CONSTRUCTION CHANGE / ADDENDUM | | | |
|--------------------------------|------|---------------------------------|--------------|
| CHANGE | DATE | AFFECTED OR ADDED SHEET NUMBERS | APPROVAL NO. |
| | | | |
| | | | |

WARNING

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

**CITY OF SAN DIEGO
PUBLIC WORKS PROJECT**



**PLANS FOR
SUNSET CLIFFS NATURAL PARK
HILLSIDE IMPROVEMENTS
IMPROVEMENT PLAN**

CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING AND CAPITAL PROJECTS DEPARTMENT
SHEET 32 OF 78 SHEETS

WBS _____
SUBMITTED BY _____
PROJECT MANAGER _____
PROJECT ENGINEER _____
CC827 COORDINATE _____
CC883 COORDINATE _____

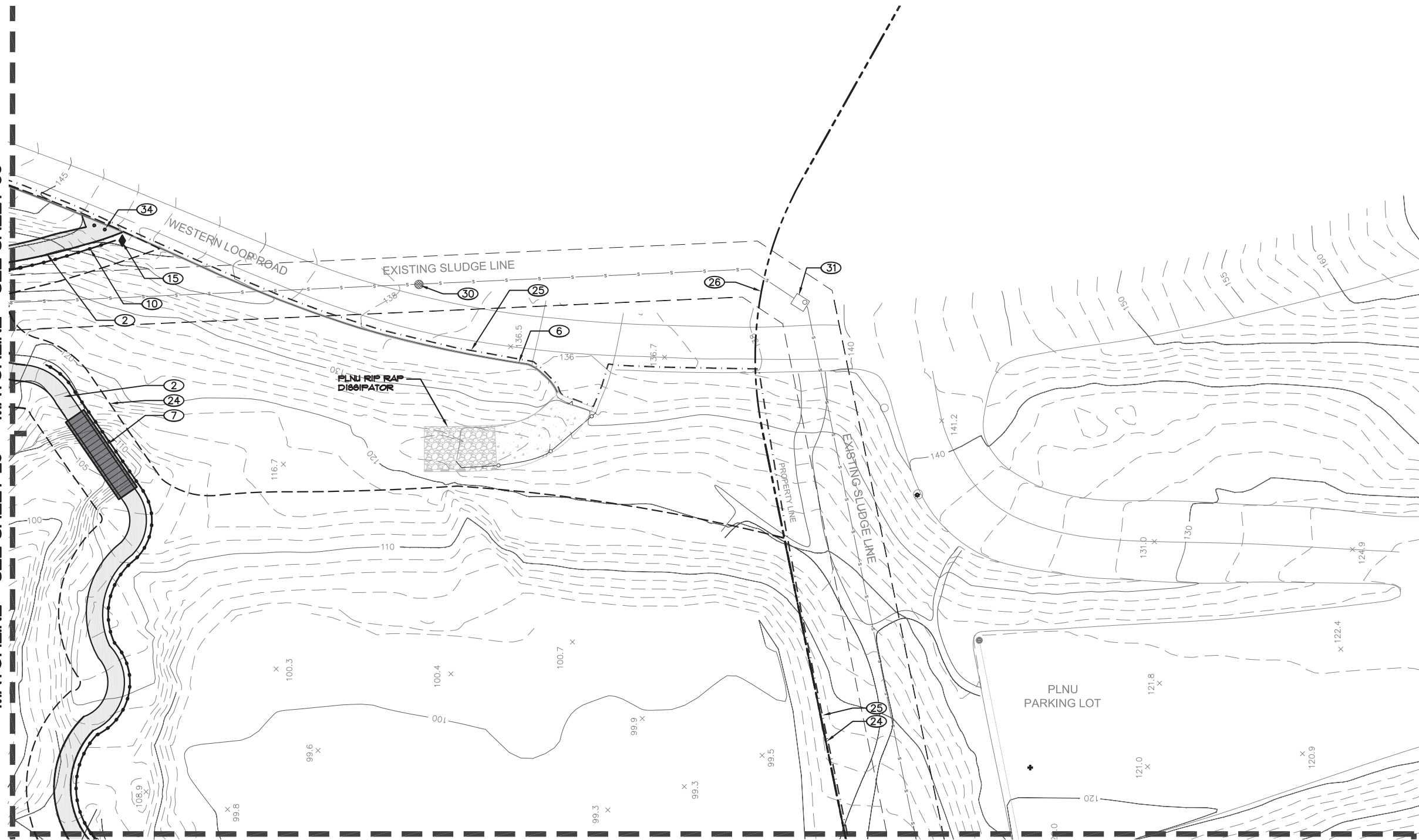
CONTRACTOR _____ DATE STARTED _____
INSPECTOR _____ DATE COMPLETED _____

36768-32-D

SUNSET CLIFFS NATURAL PARK 100% SUBMITTAL

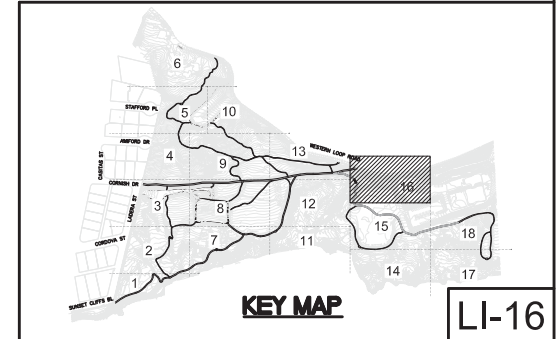
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MATCHLINE - SEE SHEET 29 MATCHLINE - SEE SHEET 30



MATCHLINE - SEE SHEET 32

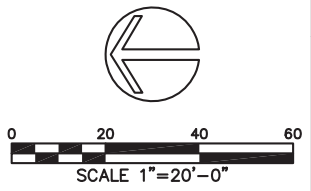
| NUM. | DESCRIPTION | SYMBOL | REFERENCE |
|------|--|--------|--------------------|
| 1 | DG MULTI-USE TRAIL / SLUDGE LINE ACCESS MAINTENANCE EASEMENT - 8' WIDE | | A/36 (LD-1) |
| 2 | PRIMARY TRAIL - NATIVE SOIL 6' WIDE |  | ..... |
| 3 | DG ADA TRAIL - 6' WIDE | | A/36 (LD-1) |
| 4 | SECONDARY TRAIL - NATIVE SOIL - 3' WIDE |  | ..... |
| 5 | DISSIPATER | | D/31 (LD-2) |
| 6 | NEW AC CURB | | SDR&D G-5 (TYPE B) |
| 7 | PEDESTRIAN BRIDGE | | F/31 (LD-2) |
| 8 | CRIB LADDER STAIRWAY | | F/36 (LD-1) |
| 9 | OVERLOOK | | C/36 (LD-1) |
| 10 | POST AND CABLE RAILING | | B/36 (LD-1) |
| 11 | ENTRY MONUMENT | | G/36 (LD-1) |
| 12 | INFORMATIONAL SIGN | | I/36 (LD-1) |
| 13 | INTERPRETIVE SIGN | | D/36 (LD-1) |
| 14 | WOOD BENCH | | E/36 (LD-1) |
| 15 | 'REVEGETATION IN PROGRESS' SIGN | | B/31 (LD-2) |
| 16 | 'END OF TRAIL' SIGN | | B/31 (LD-2) |
| 17 | DIRECTIONAL SIGN INDICATING PARKING LOTS | | B/31 (LD-2) |
| 18 | ADA DIRECTIONAL SIGN | | A/31 (LD-2) |
| 19 | TRASH RECEPTACLE |  | ..... |
| 20 | PROPOSED SWALE | | SEE CIVIL DWGS. |
| 21 | STORM DRAIN INLET | | SEE CIVIL DWGS. |
| 22 | STORM DRAIN CLEAN OUT | | SEE CIVIL DWGS. |
| 23 | STORM DRAIN MAIN LINE | | SEE CIVIL DWGS. |
| 24 | PHASE I REVEGETATION BOUNDARY |  | ..... |
| 25 | LIMIT OF WORK LINE |  | ..... |
| 26 | PROPERTY LINE |  | ..... |
| 27 | TOP OF BLUFF LINE |  | ..... |
| 28 | GRADE DIP | | C/31 (LD-2) |
| 29 | TEMPORARY AC DIKE | | SDR&D G-5 (TYPE D) |
| 30 | EXISTING CATHODIC TEST STATION | | SEE A8-BUILTS |
| 31 | EXISTING BLOW-OFF VAULT | | SEE A8-BUILTS |
| 32 | RAISED CAUSEWAY | | A/38 (LD-3) |
| 33 | TIMBER CRIB WALL | | B/38 (LD-3) |
| 34 | REMOVABLE BOLLARD | | SDR&D M-16 |



- NOTES:**
- PRIOR TO CONSTRUCTION, A NESTING SURVEY FOR RAPTORS WILL BE CONDUCTED. RAPTORS THAT POTENTIALLY NEST WITHIN THE PROJECT AREA INCLUDE COOPER'S HAWK, RED-SHOULDERED HAWK, AND WHITE-TAILED KITE.
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SEE SHEET 36, SHEET 31 AND SHEET 38 FOR CONSTRUCTION DETAILS.
SEE SPECIFICATIONS AND SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.



| CONSTRUCTION CHANGE / ADDENDUM | | | |
|--------------------------------|------|---------------------------------|--------------|
| CHANGE | DATE | AFFECTED OR ADDED SHEET NUMBERS | APPROVAL NO. |
| | | | |
| | | | |

WARNING

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

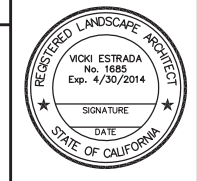
**CITY OF SAN DIEGO
PUBLIC WORKS PROJECT**



CONSULTANT

Estrada Land Planning
Urban Design Landscape Architecture Computer Imaging

619.236.0143
225 Broadway, Suite 1160
San Diego, California 92101
619.236.0578 Fax
ELP@EstradaLandPlan.com



**PLANS FOR
SUNSET CLIFFS NATURAL PARK
HILLSIDE IMPROVEMENTS
IMPROVEMENT PLAN**

CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING AND CAPITAL PROJECTS DEPARTMENT
SHEET 33 OF 78 SHEETS

WBS _____
WBS _____

APPROVED: _____
FOR CITY ENGINEER

| DESCRIPTION | BY | APPROVED | DATE | FILMED |
|-------------|-----|----------|------|--------|
| ORIGINAL | ELP | | | |

PROJECT MANAGER _____
PROJECT ENGINEER _____
CC827 COORDINATE _____
CC883 COORDINATE _____

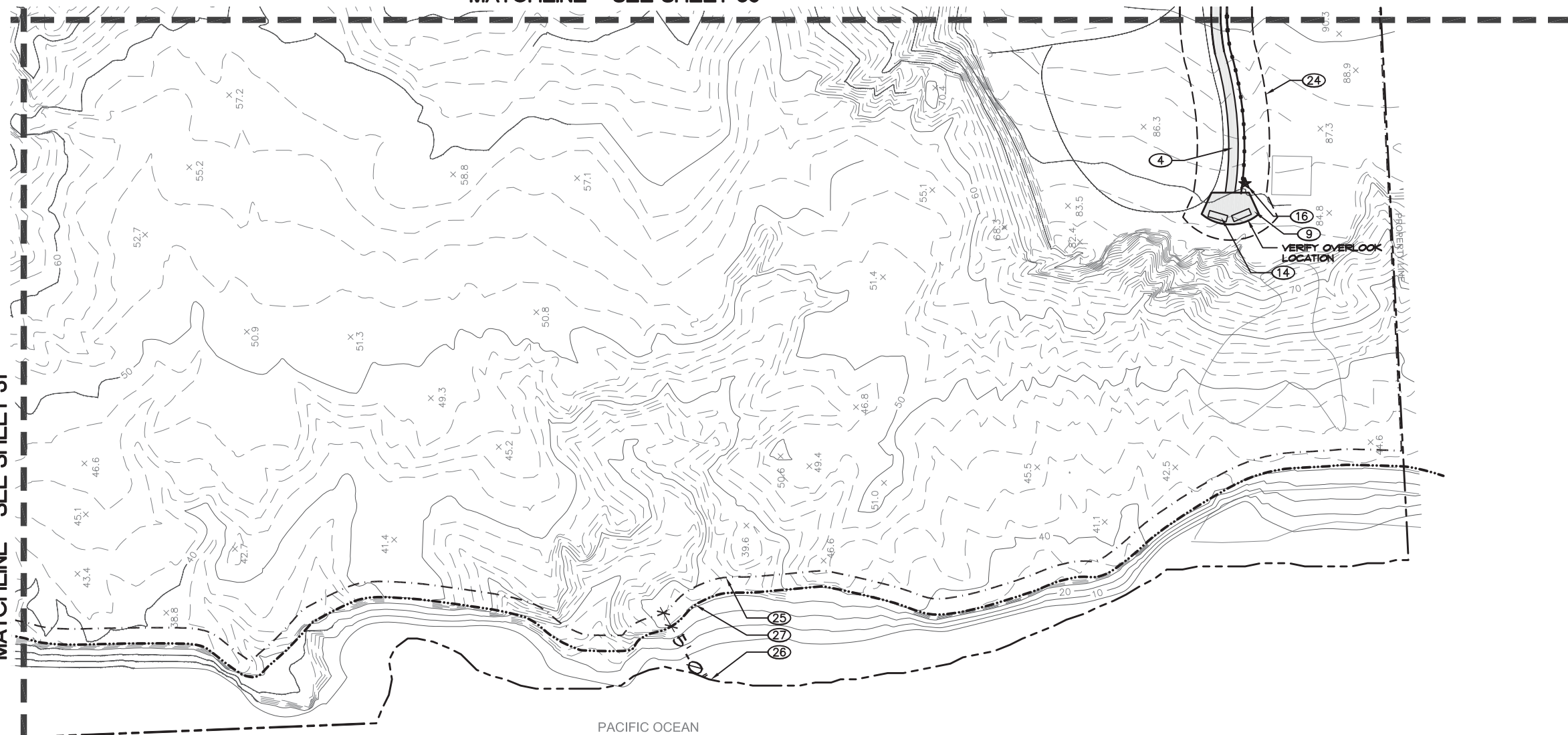
CONTRACTOR _____ DATE STARTED _____
INSPECTOR _____ DATE COMPLETED _____

36768-33-D

SUNSET CLIFFS NATURAL PARK 100% SUBMITTAL

MATCHLINE - SEE SHEET 35

MATCHLINE - SEE SHEET 31



IMPROVEMENT DETAIL KEY

| NUM. | DESCRIPTION | SYMBOL | REFERENCE |
|------|--|----------|--------------------|
| 1 | DG MULTI-USE TRAIL / SLUDGE LINE ACCESS MAINTENANCE EASEMENT - 8' WIDE | [Symbol] | A/36 (LD-1) |
| 2 | PRIMARY TRAIL - NATIVE SOIL 6' WIDE | [Symbol] | ..... |
| 3 | DG ADA TRAIL - 6' WIDE | [Symbol] | A/36 (LD-1) |
| 4 | SECONDARY TRAIL - NATIVE SOIL - 3' WIDE | [Symbol] | ..... |
| 5 | DISSIPATER | [Symbol] | D/31 (LD-2) |
| 6 | NEW AC CURB | [Symbol] | SDR&D G-5 (TYPE B) |
| 7 | PEDESTRIAN BRIDGE | [Symbol] | F/31 (LD-2) |
| 8 | CRIB LADDER STAIRWAY | [Symbol] | F/36 (LD-1) |
| 9 | OVERLOOK | [Symbol] | C/36 (LD-1) |
| 10 | POST AND CABLE RAILING | [Symbol] | B/36 (LD-1) |
| 11 | ENTRY MONUMENT | [Symbol] | G/36 (LD-1) |
| 12 | INFORMATIONAL SIGN | [Symbol] | I/36 (LD-1) |
| 13 | INTERPRETIVE SIGN | [Symbol] | D/36 (LD-1) |
| 14 | WOOD BENCH | [Symbol] | E/36 (LD-1) |
| 15 | 'REVEGETATION IN PROGRESS' SIGN | [Symbol] | B/31 (LD-2) |
| 16 | 'END OF TRAIL' SIGN | [Symbol] | B/31 (LD-2) |
| 17 | DIRECTIONAL SIGN INDICATING PARKING LOTS | [Symbol] | B/31 (LD-2) |
| 18 | ADA DIRECTIONAL SIGN | [Symbol] | A/31 (LD-2) |
| 19 | TRASH RECEPTACLE | [Symbol] | ..... |
| 20 | PROPOSED SWALE | [Symbol] | SEE CIVIL DWGS. |
| 21 | STORM DRAIN INLET | [Symbol] | SEE CIVIL DWGS. |
| 22 | STORM DRAIN CLEAN OUT | [Symbol] | SEE CIVIL DWGS. |
| 23 | STORM DRAIN MAIN LINE | [Symbol] | SEE CIVIL DWGS. |
| 24 | PHASE I REVEGETATION BOUNDARY | [Symbol] | ..... |
| 25 | LIMIT OF WORK LINE | [Symbol] | ..... |
| 26 | PROPERTY LINE | [Symbol] | ..... |
| 27 | TOP OF BLUFF LINE | [Symbol] | ..... |
| 28 | GRADE DIP | [Symbol] | C/31 (LD-2) |
| 29 | TEMPORARY AC DIKE | [Symbol] | SDR&D G-5 (TYPE D) |
| 30 | EXISTING CATHODIC TEST STATION | [Symbol] | SEE AS-BUILTS |
| 31 | EXISTING BLOW-OFF VAULT | [Symbol] | SEE AS-BUILTS |
| 32 | RAISED CAUSEWAY | [Symbol] | A/38 (LD-3) |
| 33 | TIMBER CRIB WALL | [Symbol] | B/38 (LD-3) |
| 34 | REMOVABLE BOLLARD | [Symbol] | SDR&D M-16 |

NOTES:

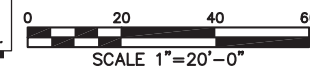
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SEE SHEET 36, SHEET 31 AND SHEET 38 FOR CONSTRUCTION DETAILS.
SEE SPECIFICATIONS AND SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

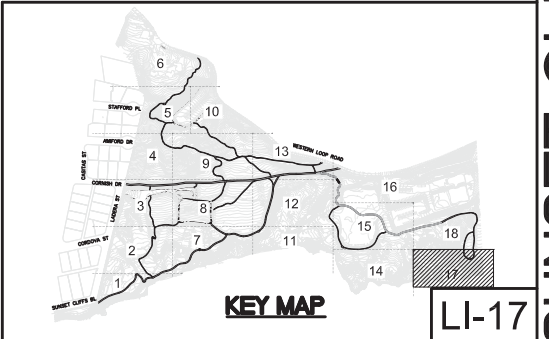
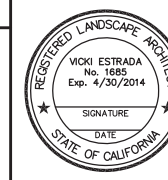


TEMPORARY BMP CONSTRUCTION SITE STORM WATER PRIORITY: HIGH _____ MEDIUM _____ LOW _____ SPEC. NO.

CONSULTANT

Estrada Land Planning
Urban Design Landscape Architecture Computer Imaging

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225 Broadway, Suite 1160
San Diego, California 92101
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PLANS FOR
SUNSET CLIFFS NATURAL PARK
HILLSIDE IMPROVEMENTS
IMPROVEMENT PLAN

CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING AND CAPITAL PROJECTS DEPARTMENT
SHEET 34 OF 78 SHEETS

| | | | |
|-------------|----------------|-------------------|-----------------|
| APPROVED | DATE | FOR CITY ENGINEER | PROJECT MANAGER |
| DESCRIPTION | BY | APPROVED | DATE |
| ORIGINAL | ELP | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| CONTRACTOR | DATE STARTED | | |
| INSPECTOR | DATE COMPLETED | | |

WBS _____
WBS _____
SUBMITTED BY _____
PROJECT MANAGER _____
PROJECT ENGINEER _____
CC827 COORDINATE _____
CC883 COORDINATE _____
36768-34-D

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| CONSTRUCTION CHANGE / ADDENDUM | | | |
|--------------------------------|------|---------------------------------|--------------|
| CHANGE | DATE | AFFECTED OR ADDED SHEET NUMBERS | APPROVAL NO. |
| | | | |
| | | | |
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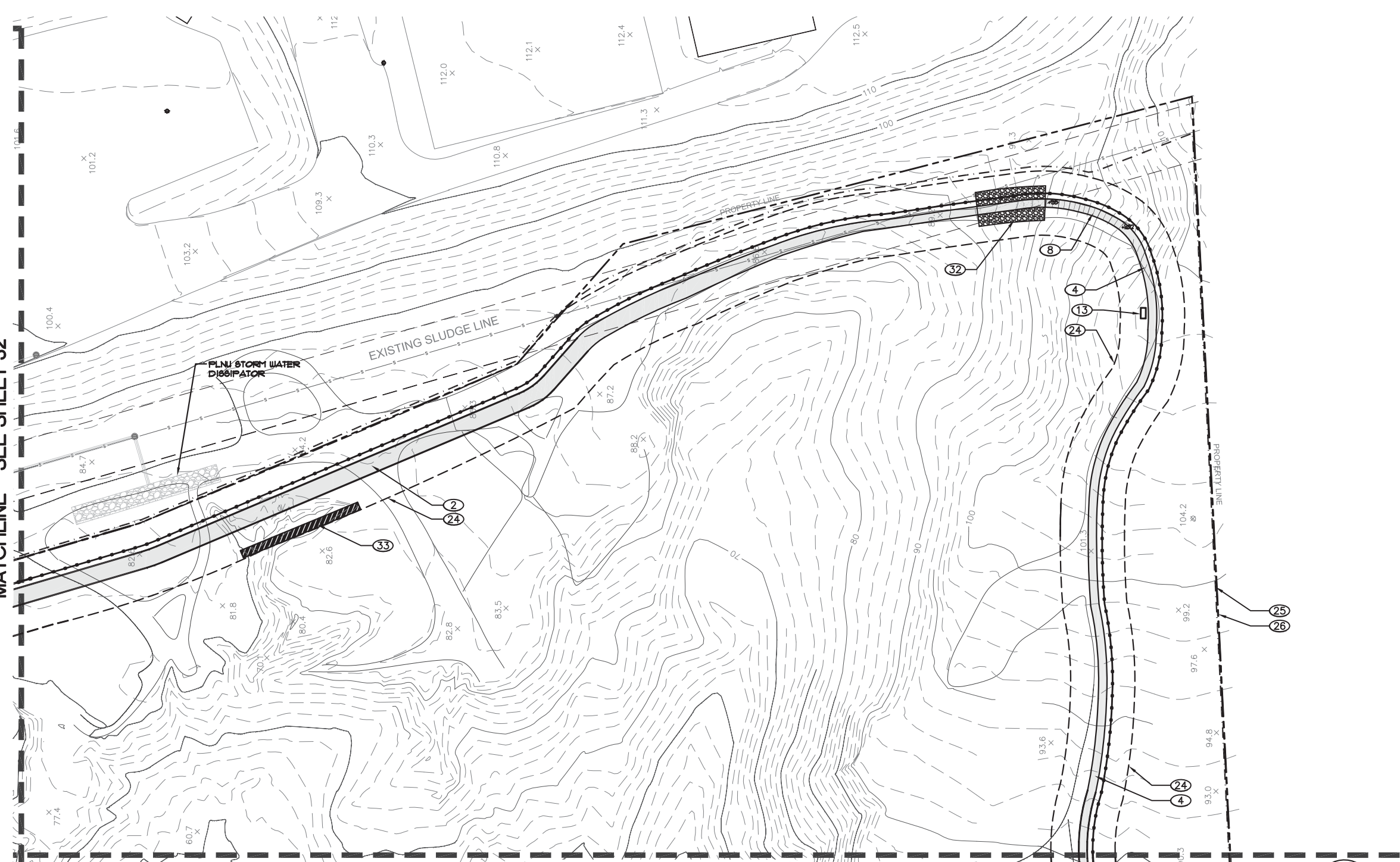
WARNING
0 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

CITY OF SAN DIEGO
PUBLIC WORKS PROJECT



SUNSET CLIFFS NATURAL PARK 100% SUBMITTAL

MATCHLINE - SEE SHEET 32



MATCHLINE - SEE SHEET 34

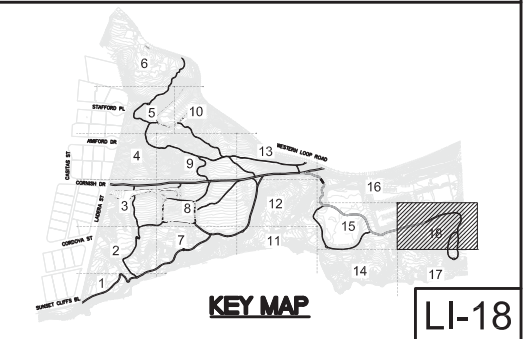
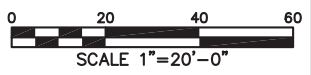
| NUM. | DESCRIPTION | SYMBOL | REFERENCE |
|------|--|--------|--------------------|
| 1 | DG MULTI-USE TRAIL / SLUDGE LINE ACCESS MAINTENANCE EASEMENT - 8' WIDE | | A/36 (LD-1) |
| 2 | PRIMARY TRAIL - NATIVE SOIL 6' WIDE |  | ..... |
| 3 | DG ADA TRAIL - 6' WIDE | | A/36 (LD-1) |
| 4 | SECONDARY TRAIL - NATIVE SOIL - 3' WIDE |  | ..... |
| 5 | DISSIPATOR | | D/31 (LD-2) |
| 6 | NEW AC CURB | | SDR&D G-5 (TYPE B) |
| 7 | PEDESTRIAN BRIDGE | | F/31 (LD-2) |
| 8 | CRIB LADDER STAIRWAY | | F/36 (LD-1) |
| 9 | OVERLOOK | | C/36 (LD-1) |
| 10 | POST AND CABLE RAILING | | B/36 (LD-1) |
| 11 | ENTRY MONUMENT | | G/36 (LD-1) |
| 12 | INFORMATIONAL SIGN | | I/36 (LD-1) |
| 13 | INTERPRETIVE SIGN | | D/36 (LD-1) |
| 14 | WOOD BENCH | | E/36 (LD-1) |
| 15 | 'REVEGETATION IN PROGRESS' SIGN | | B/31 (LD-2) |
| 16 | 'END OF TRAIL' SIGN | | B/31 (LD-2) |
| 17 | DIRECTIONAL SIGN INDICATING PARKING LOTS | | B/31 (LD-2) |
| 18 | ADA DIRECTIONAL SIGN | | A/31 (LD-2) |
| 19 | TRASH RECEPTACLE |  | ..... |
| 20 | PROPOSED SWALE | | SEE CIVIL DWGS. |
| 21 | STORM DRAIN INLET | | SEE CIVIL DWGS. |
| 22 | STORM DRAIN CLEAN OUT | | SEE CIVIL DWGS. |
| 23 | STORM DRAIN MAIN LINE | | SEE CIVIL DWGS. |
| 24 | PHASE I REVEGETATION BOUNDARY |  | ..... |
| 25 | LIMIT OF WORK LINE |  | ..... |
| 26 | PROPERTY LINE |  | ..... |
| 27 | TOP OF BLUFF LINE |  | ..... |
| 28 | GRADE DIP | | C/31 (LD-2) |
| 29 | TEMPORARY AC DIKE | | SDR&D G-5 (TYPE D) |
| 30 | EXISTING CATHODIC TEST STATION | | SEE AS-BUILTS |
| 31 | EXISTING BLOW-OFF VAULT | | SEE AS-BUILTS |
| 32 | RAISED CAUSEWAY | | A/38 (LD-3) |
| 33 | TIMBER CRIB WALL | | B/38 (LD-3) |
| 34 | REMOVABLE BOLLARD | | SDR&D M-16 |

NOTES:

- PRIOR TO CONSTRUCTION, A NESTING SURVEY FOR RAPTORS WILL BE CONDUCTED. RAPTORS THAT POTENTIALLY NEST WITHIN THE PROJECT AREA INCLUDE COOPER'S HAWK, RED-SHOULDERED HAWK, AND WHITE-TAILED KITE.
- IN ADDITION, A SURVEY SHALL BE CONDUCTED WITHIN 300 FEET OF IMPACT AREAS TO IDENTIFY IF THERE ARE POTENTIAL NESTING BURROWS OF THE BURROUGING OWL.
- NO IMPROVEMENTS ARE TO BE MADE DURING RAPTORS OR OWL BREEDING SEASONS.
- NESTING BIRD DISCLOSURE - PLEASE NOTE THAT NESTING BIRDS MAY BE PRESENT DURING CONSTRUCTION, AND ARE PROTECTED UNDER U.S. AND STATE LAW INCLUDING THE FEDERAL MIGRATORY BIRD TREATY ACT AND IN PARTICULAR, CA LAW- FISH AND GAME CODE 3509.
- THERE IS THE POSSIBILITY OF ENCOUNTERING BURN ASH AND WASTE DURING CONSTRUCTION. CONTRACTOR SHALL ADHERE TO THE COMMUNITY HEALTH AND SAFETY PLAN AND SOIL MANAGEMENT PLAN.

CDRG CODE 3509 STATES: "IT IS UNLAWFUL TO TAKE, POSSESS, OR NEEDLESSLY DESTROY THE NEST OR EGGS OF ANY BIRD, EXCEPT AS OTHERWISE PROVIDED BY THIS CODE OR ANY REGULATION MADE PURSUANT THERETO."

SEE SHEET 36, SHEET 31 AND SHEET 38 FOR CONSTRUCTION DETAILS.
SEE SPECIFICATIONS AND SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.



**PLANS FOR
SUNSET CLIFFS NATURAL PARK
HILLSIDE IMPROVEMENTS
IMPROVEMENT PLAN**

CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING AND CAPITAL PROJECTS DEPARTMENT
SHEET 35 OF 78 SHEETS

WBS _____
WBS _____

APPROVED FOR CITY ENGINEER: _____ DATE: _____ PROJECT MANAGER: _____

| DESCRIPTION | BY | APPROVED | DATE | FILMED |
|-------------|-----|----------|------|--------|
| ORIGINAL | ELP | | | |

PROJECT ENGINEER: _____
CC827 COORDINATE: _____
CC883 COORDINATE: _____

CONTRACTOR: _____ DATE STARTED: _____
INSPECTOR: _____ DATE COMPLETED: _____

36768-35-D

Drawing name: M:\Projects\10012261-SunsetCliffs\1005a\12261_C.dwg U=18 May 29, 2013 11:55pm by: ehs77

| CONSTRUCTION CHANGE / ADDENDUM | | | |
|--------------------------------|------|---------------------------------|--------------|
| CHANGE | DATE | AFFECTED OR ADDED SHEET NUMBERS | APPROVAL NO. |
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WARNING

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

**CITY OF SAN DIEGO
PUBLIC WORKS PROJECT**

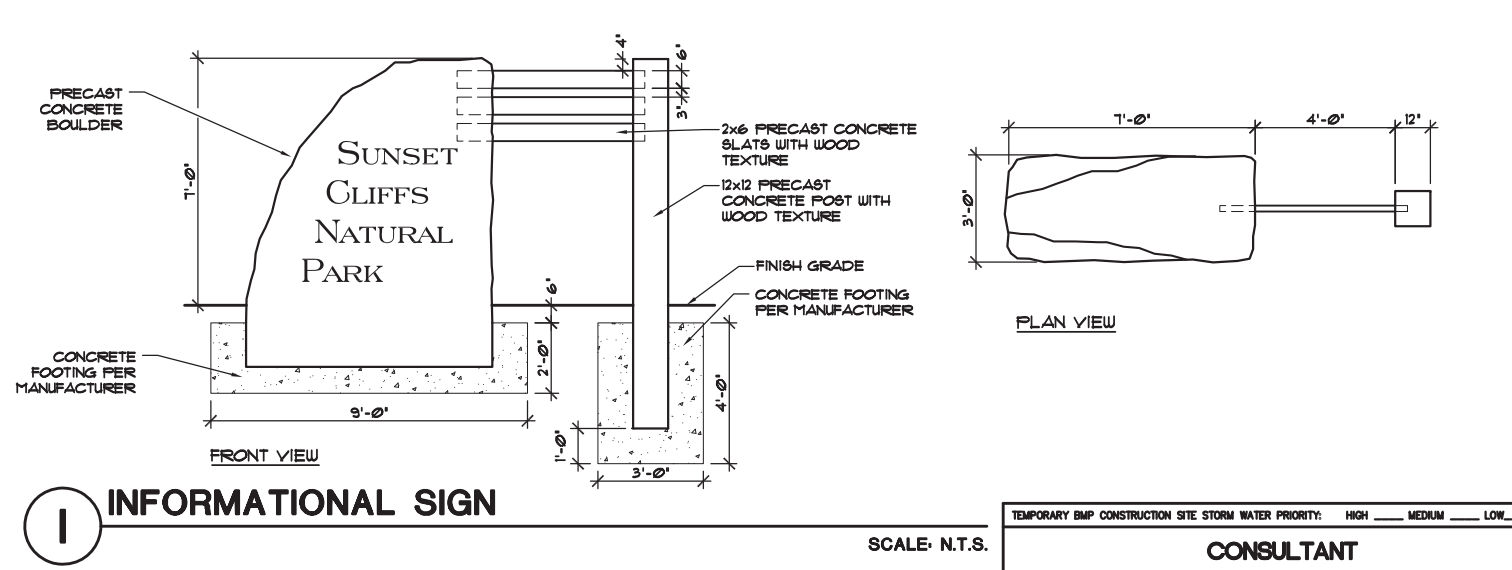
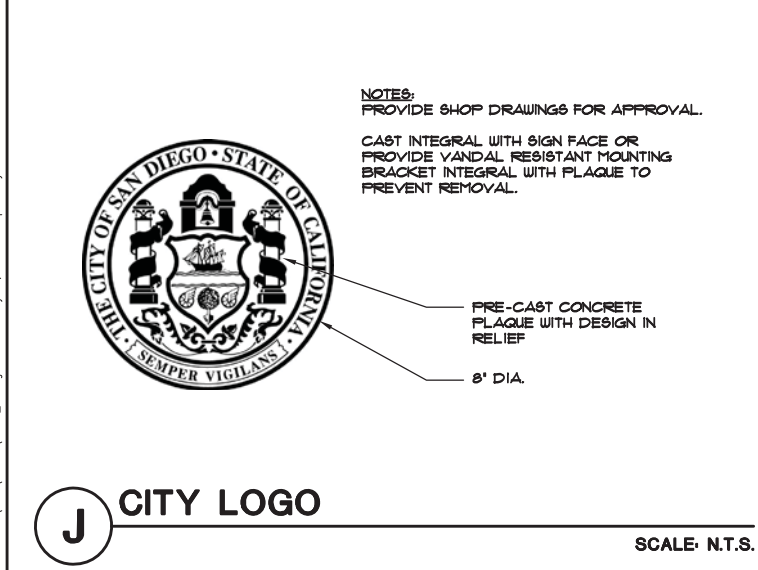
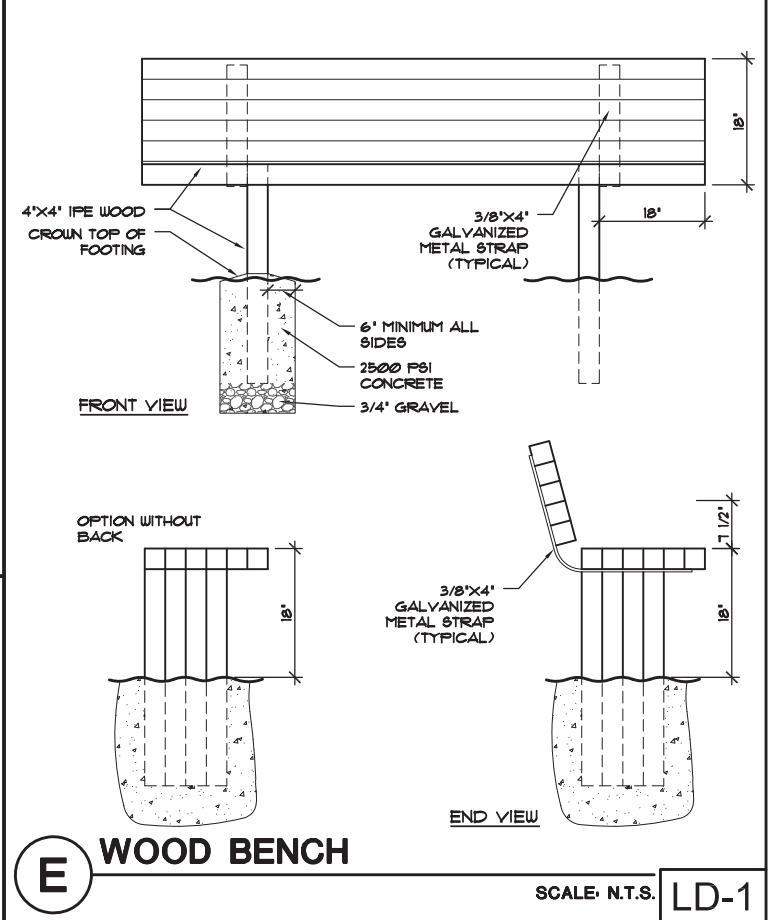
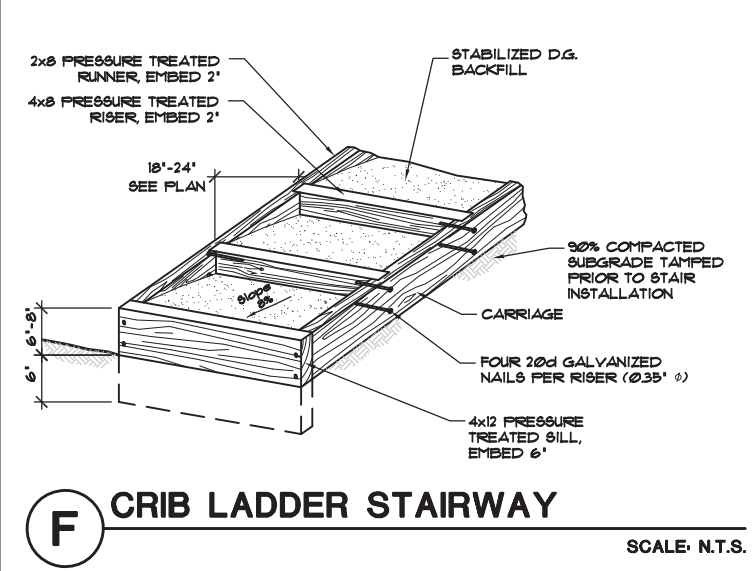
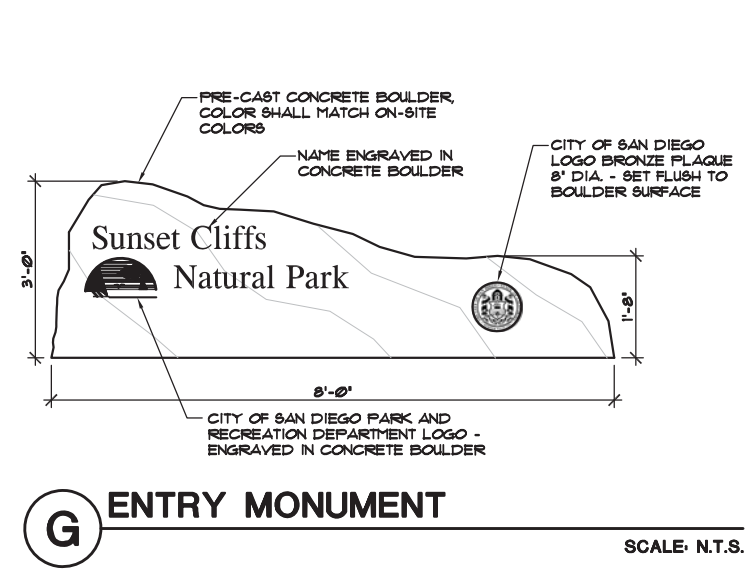
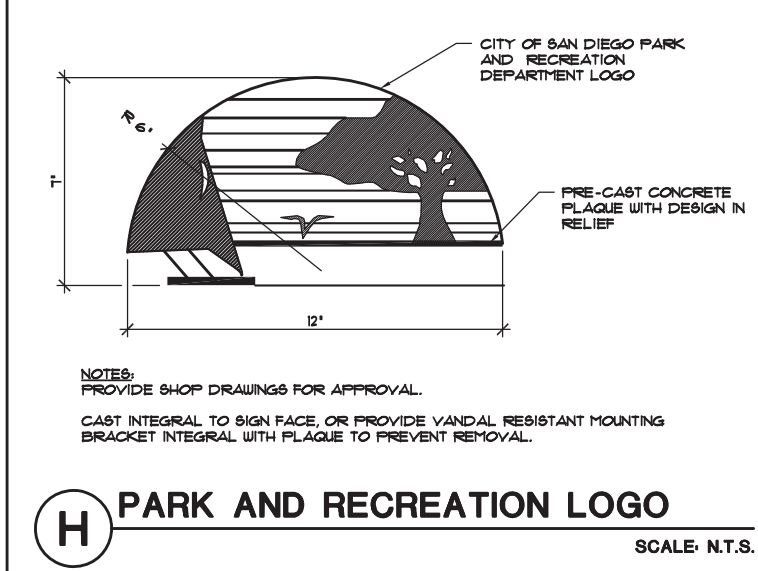
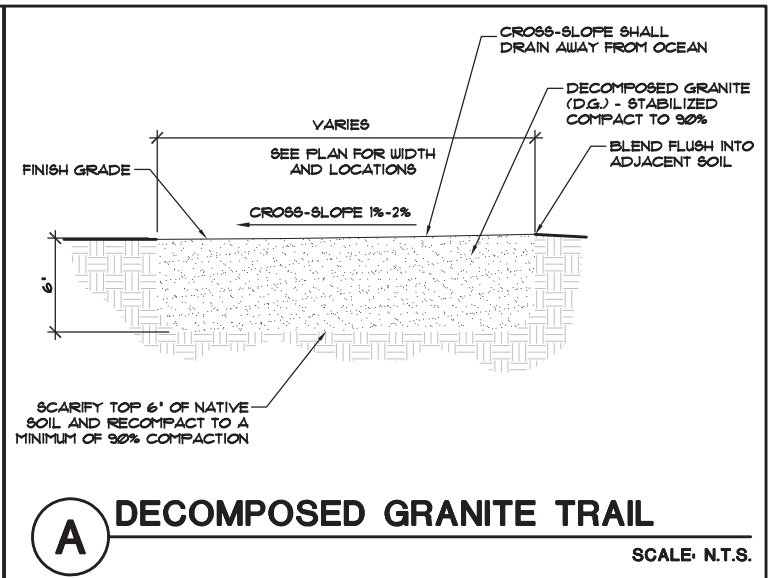
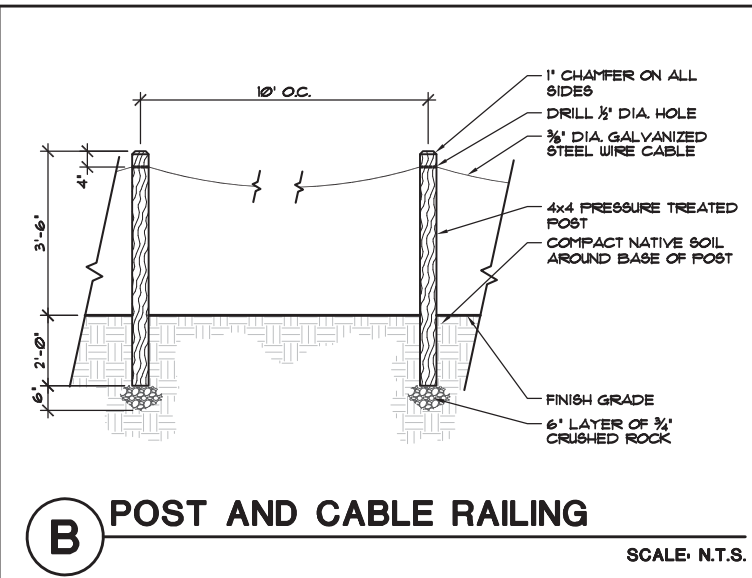
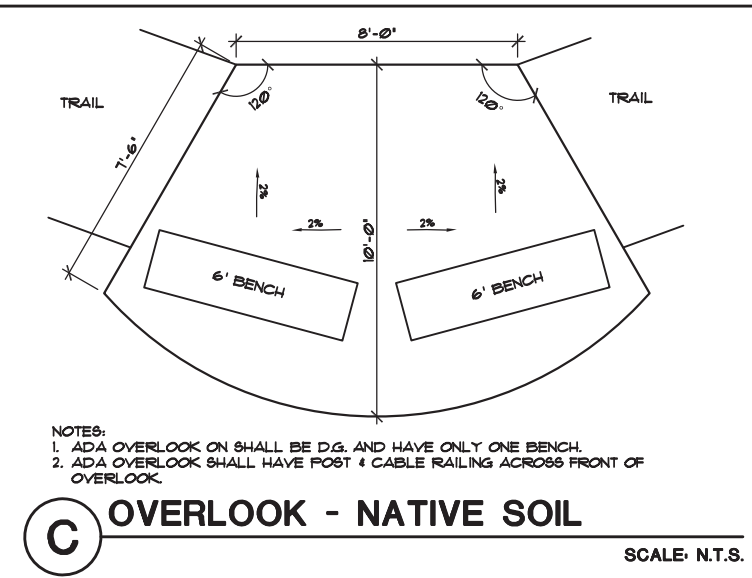
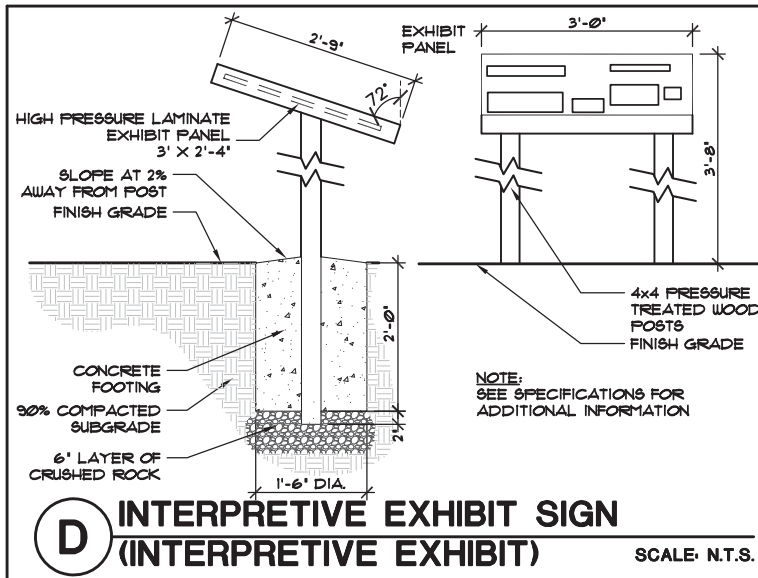


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225 Broadway, Suite 1160
San Diego, California 92101
619.236.0578 Fax
ELP@EstradaLandPlan.com





**PLANS FOR
SUNSET CLIFFS NATURAL PARK
HILLSIDE IMPROVEMENTS
IMPROVEMENT DETAILS**

CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING AND CAPITAL PROJECTS DEPARTMENT
SHEET 36 OF 78 SHEETS

| | | | | |
|-------------------|----------|----------|------|-----------------|
| APPROVED | | DATE | | PROJECT MANAGER |
| FOR CITY ENGINEER | BY | APPROVED | DATE | FILMED |
| DESCRIPTION | ORIGINAL | ELP | | |
| CONTRACTOR | | | | DATE STARTED |
| INSPECTOR | | | | DATE COMPLETED |

36768-36-D

CONSTRUCTION CHANGE / ADDENDUM

| CHANGE | DATE | AFFECTED OR ADDED SHEET NUMBERS | APPROVAL NO. |
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WARNING

0 1

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**CITY OF SAN DIEGO
PUBLIC WORKS PROJECT**

TEMPORARY BMP CONSTRUCTION SITE STORM WATER PRIORITY: HIGH _____ MEDIUM _____ LOW _____

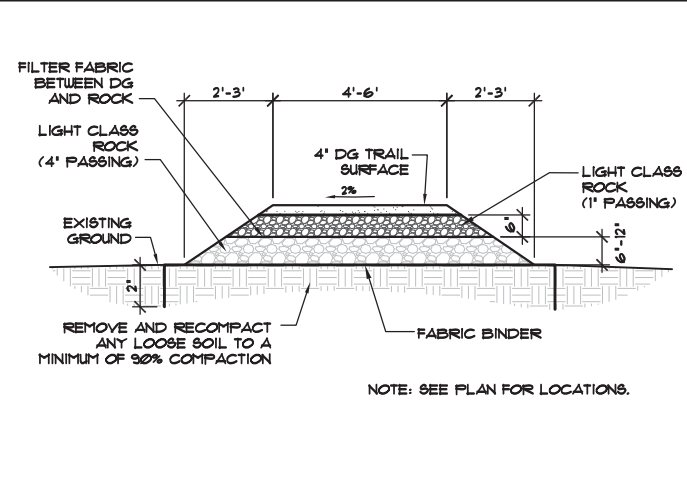
CONSULTANT

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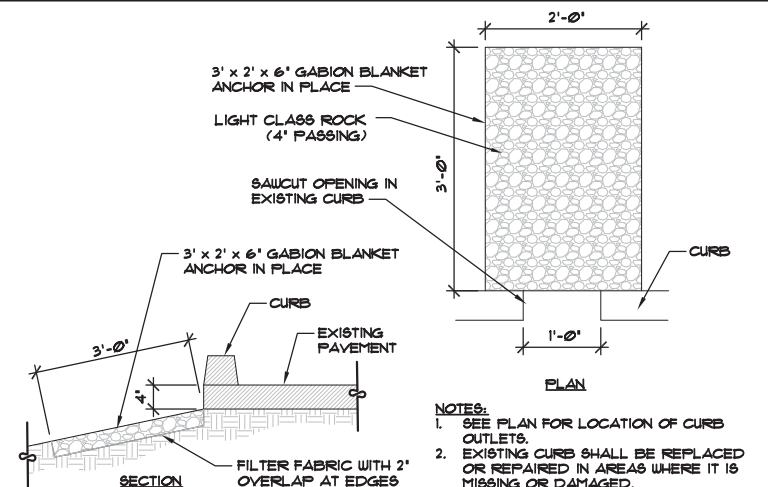
619.236.0143
225 Broadway, Suite 1160
San Diego, California 92101
619.236.0578 Fax
ELP@EstradaLandPlan.com

REGISTERED LANDSCAPE ARCHITECT
VICKI ESTRADA
No. 1685
Exp. 4/30/2014
SIGNATURE
DATE

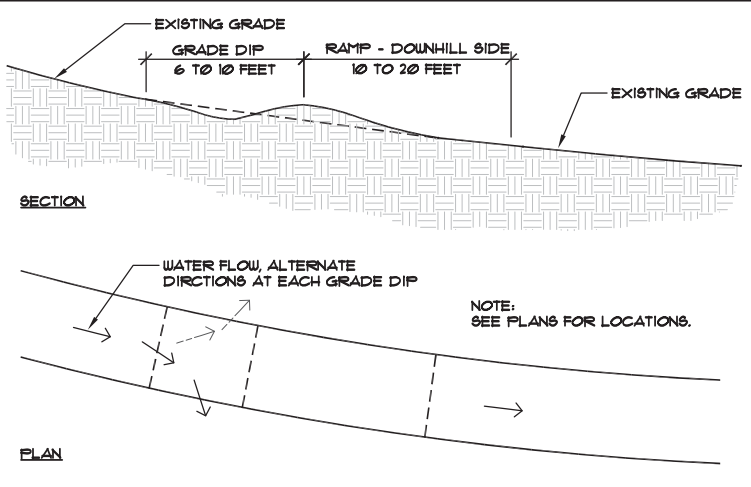
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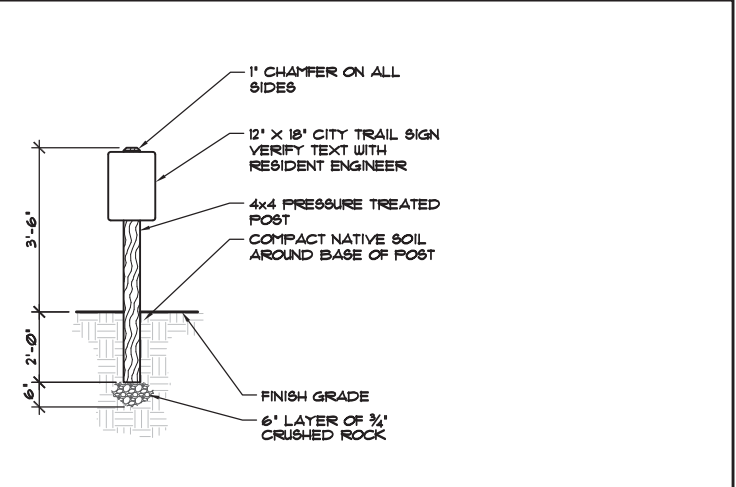
E RAISED CAUSEWAY



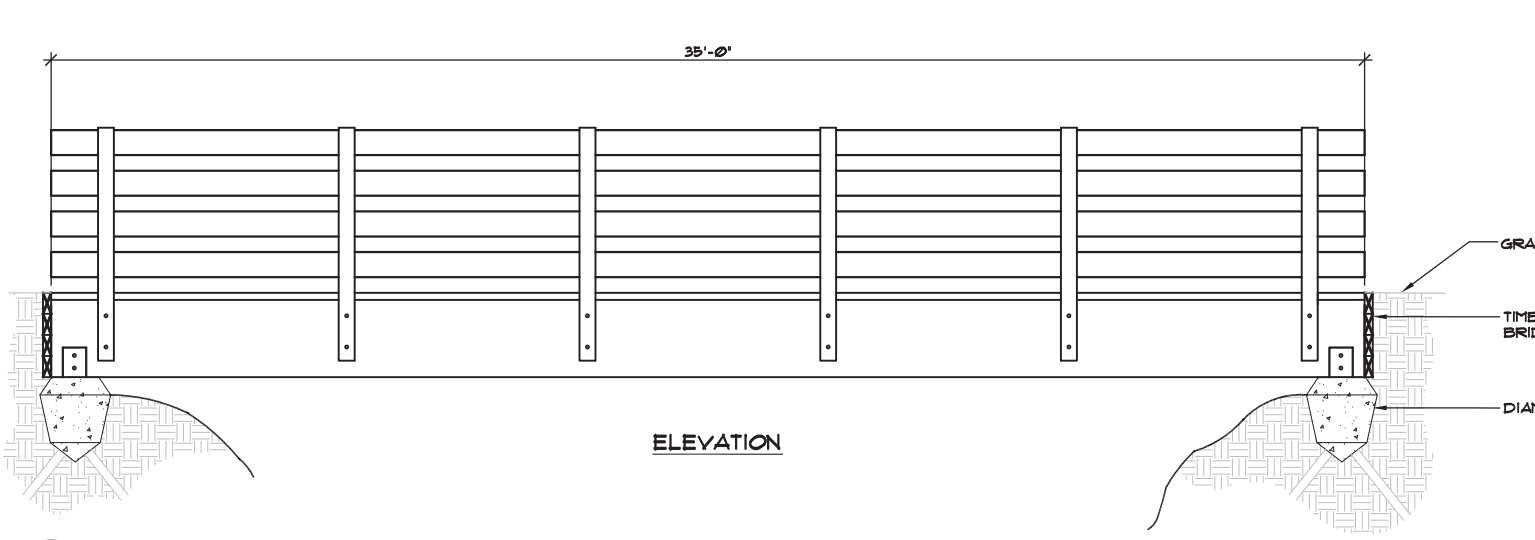
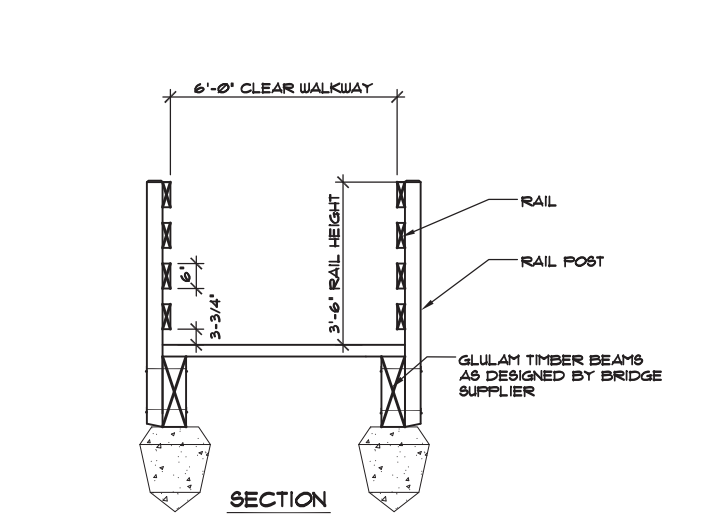
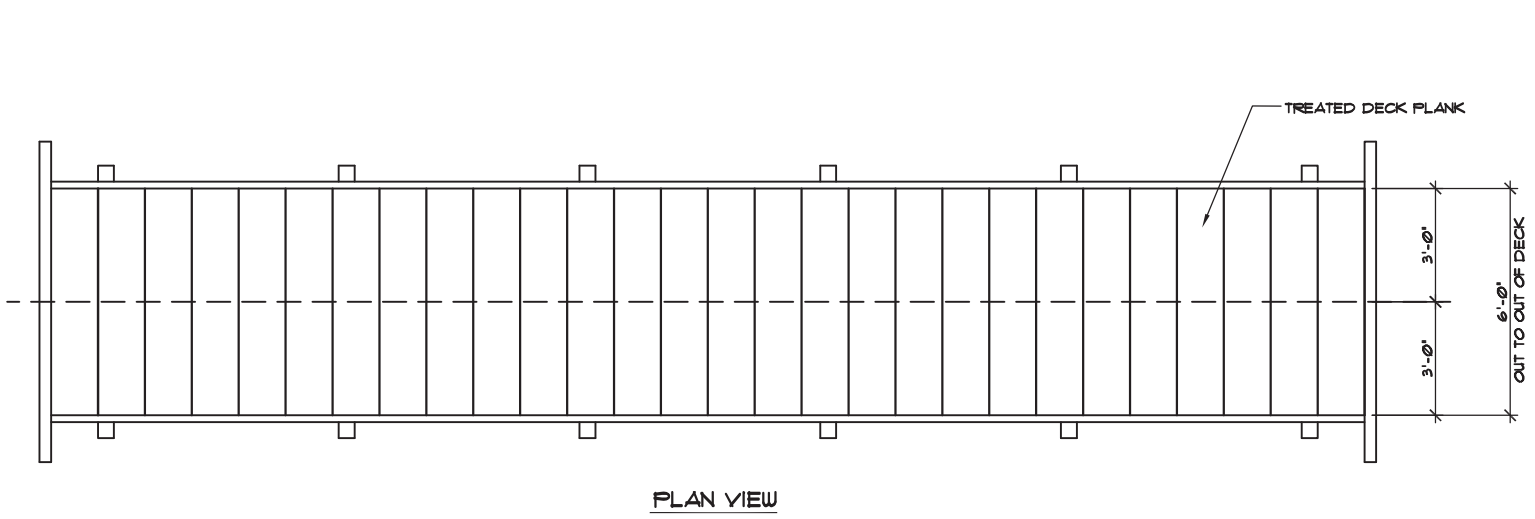
D CURB OUTLET / DISSIPATER AT PARKING LOT



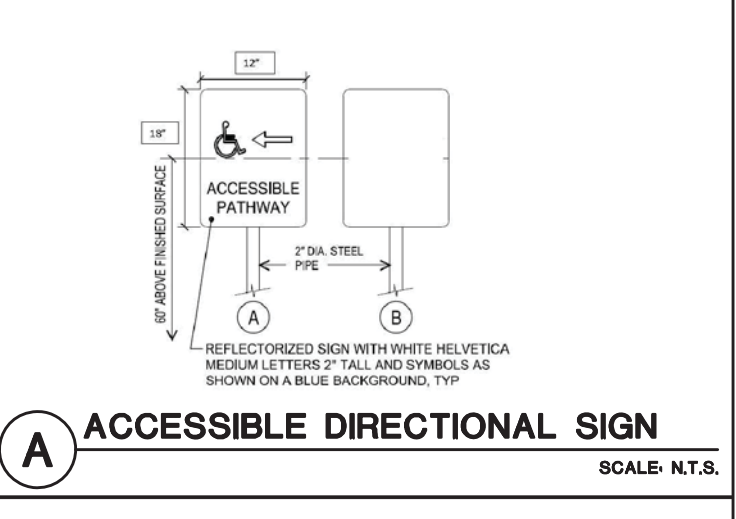
C ROLLING GRADE DIP



B TYPICAL SIGN AND POST



F TIMBER PEDESTRIAN BRIDGE



A ACCESSIBLE DIRECTIONAL SIGN

| CONSTRUCTION CHANGE / ADDENDUM | | | |
|--------------------------------|------|---------------------------------|--------------|
| CHANGE | DATE | AFFECTED OR ADDED SHEET NUMBERS | APPROVAL NO. |
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CITY OF SAN DIEGO
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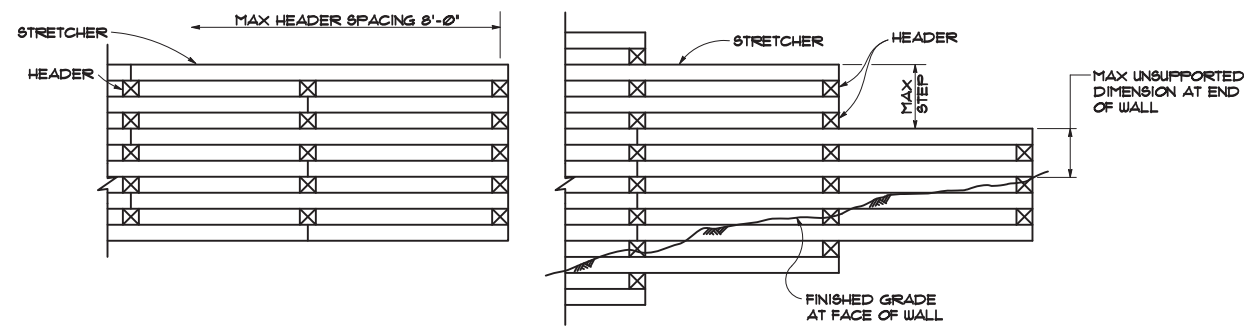
TEMPORARY BMP CONSTRUCTION SITE STORM WATER PRIORITY: HIGH _____ MEDIUM _____ LOW _____ SPEC. NO. _____

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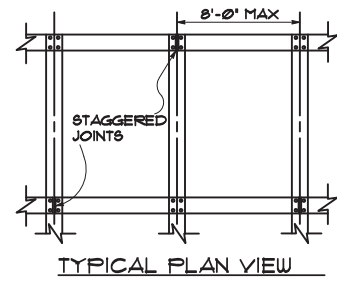


PLANS FOR
SUNSET CLIFFS NATURAL PARK
HILLSIDE IMPROVEMENTS
IMPROVEMENT DETAILS

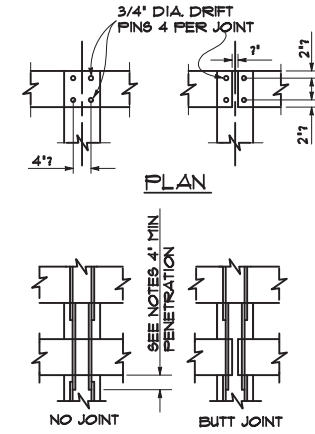
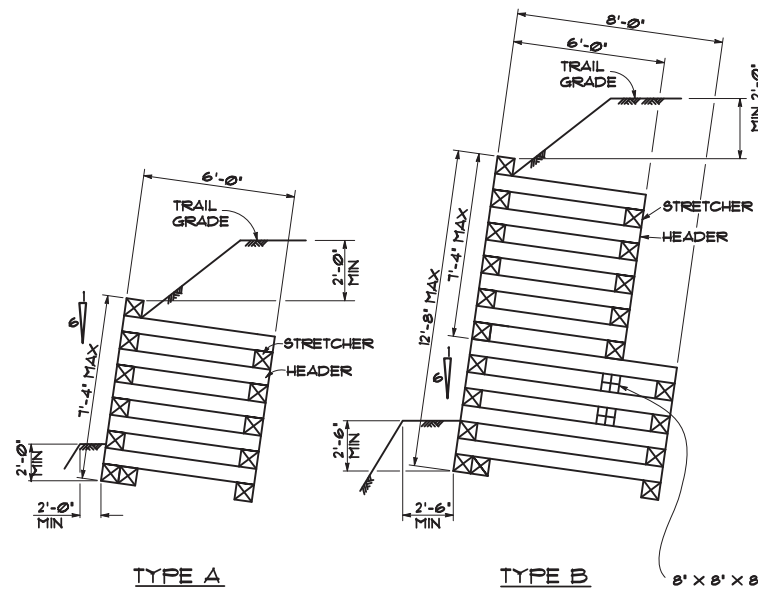
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| CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 37 OF 78 SHEETS | | | | WBS _____ |
| APPROVED _____ DATE _____ | | | | SUBMITTED BY _____ |
| FOR CITY ENGINEER | | DATE | | PROJECT MANAGER |
| DESCRIPTION | BY | APPROVED | DATE | FILMED |
| ORIGINAL | ELP | | | |
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| | | | | |
| CONTRACTOR _____ | DATE STARTED _____ | | | |
| INSPECTOR _____ | DATE COMPLETED _____ | | | |
| | | | | 36768-37-D |



OPEN FACE CRIB PARTIAL ELEVATIONS



TYPICAL PLAN VIEW



TYPICAL END CONNECTIONS

NOTES:

- ALL TIMBER TO BE TREATED 8' x 8' FULL SAUN NO. 1 GRADE DOUGLAS FIR-LARCH. ALL MEMBERS TO BE PRE-CUT BEFORE TREATMENT.
- DRIFT PINS AND HOLES TO BE 3/4" DIA.
- DRIFT PINS TO BE OF SUFFICIENT LENGTH TO PENETRATE THRU 2 MEMBERS AND 4" MINIMUM INTO THE THIRD MEMBER. DRIFT PINS SHALL CROSS EACH CONTACT JOINT BETWEEN HEADERS AND STRETCHERS. PINS MAY LAP, PROVIDED EDGE OR END DISTANCE TO PINS IS NOT LESS THAN 1 1/4".
- ALL STRETCHERS TO BE LAID HORIZONTAL.
- VERTICAL WALLS ARE NOT PERMITTED.
- MAXIMUM ALLOWABLE HEIGHT IS 12'-8".
- ALL WALLS SHALL HAVE DOUBLE SILLS AT FRONT AND SINGLE SILL AT REAR WHEN WALL EXCEEDS 7'-4" OR 12'-8". USE A MINIMUM OF TWO COURSES OF NEXT LONGER HEADERS.

| HEIGHT OF WALL | TIMBER PER 8 FT CRIB SECTION | | | |
|----------------|------------------------------|-------|------------|--------|
| | HEADERS | | STRETCHERS | |
| | 6'-0" | 8'-0" | 10'-0" | 12'-0" |
| 4'-8" | 3 | | | 8 |
| 6'-0" | 4 | | | 10 |
| 7'-4" | 5 | | | 12 |
| 8'-8" | 4 | 2 | | 14 |
| 10'-0" | 5 | 2 | | 16 |
| 11'-4" | 5 | 3 | | 18 |
| 12'-8" | 5 | 4 | | 20 |

8' x 8' x 8' BLOCKS BETWEEN HEADERS. USE TWO COURSES AT EACH CHANGE IN CRIB SECTION. BLOCKS TO BE TOE-NAILED WITH 2-16D NAILS.

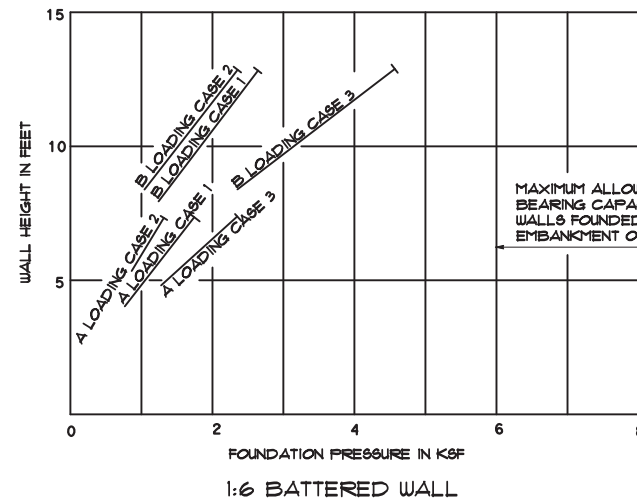
NOTE: SEE PLAN FOR LOCATIONS.

B TIMBER CRIB WALL

SCALE: N.T.S.

A TIMBER CRIB WALL - TYPE A and B DESIGN DATA

SCALE: N.T.S.

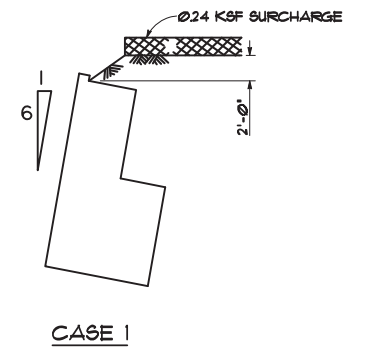


LEGEND FOR GRAPH

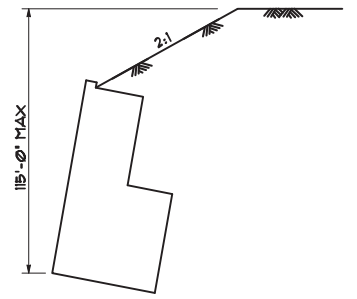
- A AND B = WALL TYPE.
- SOLID LINES INDICATE NORMAL RANGE OF WALL TYPE. UPPER END OF LINE INDICATES MAXIMUM WALL HEIGHT.
- FOR DESCRIPTION OF LOADING CASE SEE DETAIL OF DESIGN LOADING CASES.

DESIGN NOTES:

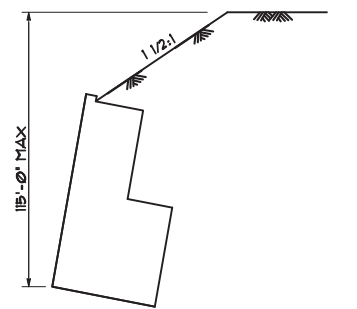
- WALL BASE IN EMBANKMENT:** A MINIMUM DEPTH OF 5' OF EMBANKMENT AT 95% RELATIVE SOIL COMPACTION IS REQUIRED BELOW THE BASE OF ALL WALLS IN ORDER TO CONSTITUTE AN EMBANKMENT CONDITION. WHEN THE FOUNDATION PRESSURE IS BETWEEN 5.0 KSF AND 8.0 KSF EMBANKMENT BELOW THE WALL SHALL CONSIST OF 'STRUCTURAL BACKFILL' MATERIAL AS SET FORTH IN SECTION 300-3.5 OF THE STANDARD SPECIFICATIONS (GREENBOOK). THE LIMITS OF RELATIVE COMPACTION (95%) SHALL BE AS SET FORTH IN SECTION 300-3.5 OF THE STANDARD SPECIFICATIONS (GREENBOOK).
- WALL BASE IN ORIGINAL GROUND:** ALLOWABLE SOIL PRESSURE AT TOE OF WALL SHALL BE DETERMINED BY FOUNDATION SITE INVESTIGATION. WALLS THAT ARE TO RETAIN CUT SLOPES SHALL BE DESIGNED FOR SLOPE WITH WALL IN PLACE MUST BE ANALYZED. IF ORIGINAL GROUND SLOPES AWAY FROM TOE OF WALL, REDUCTION IN ALLOWABLE BEARING CAPACITY DUE TO SLOPE MUST BE CONSIDERED. WALLS SHALL NOT BE FOUND IN ORIGINAL GROUND HAVING AN ALLOWABLE BEARING CAPACITY OF LESS THAN 3.0 KSF. CONSIDERATION SHOULD BE GIVEN TO REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL WITH 'STRUCTURAL BACKFILL' MATERIAL AS SET FORTH IN SECTION 300-3.5 OF THE STANDARD SPECIFICATIONS (GREENBOOK). THE LIMITS OF RELATIVE COMPACTION (95%) SHALL BE AS SET FORTH IN SECTION 300-3.5 OF THE STANDARD SPECIFICATIONS.
- SOIL PARAMETERS:**
 BACKFILL - $\phi = 34^\circ$, $\gamma = 120$ LB/CF
 FOUNDATION - $\phi = 34^\circ$
 LATERAL EARTH PRESSURE DETERMINED BY RANKINE THEORY.



CASE 1



CASE 2



CASE 3

DETAIL OF DESIGN LOADING CASES

Drawing name: M:\Projects\10012261-SunsetCliffs\1005Sub\12261_LD.dwg LD-3 May 30, 2013 11:56am by: jwz

| CONSTRUCTION CHANGE / ADDENDUM | | | |
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| | | | |
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WARNING

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CITY OF SAN DIEGO
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TEMPORARY BMP CONSTRUCTION SITE STORM WATER PRIORITY: HIGH _____ MEDIUM _____ LOW _____ SPEC. NO. _____

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PLANS FOR SUNSET CLIFFS NATURAL PARK HILLSIDE IMPROVEMENTS IMPROVEMENT DETAILS

CITY OF SAN DIEGO, CALIFORNIA
 ENGINEERING AND CAPITAL PROJECTS DEPARTMENT
 SHEET 38 OF 78 SHEETS

WBS _____
 WBS _____

APPROVED _____ SUBMITTED BY _____

| FOR CITY ENGINEER | | DATE | | PROJECT MANAGER |
|-------------------|-----|----------|------|-----------------|
| DESCRIPTION | BY | APPROVED | DATE | FILMED |
| ORIGINAL | ELP | | | |

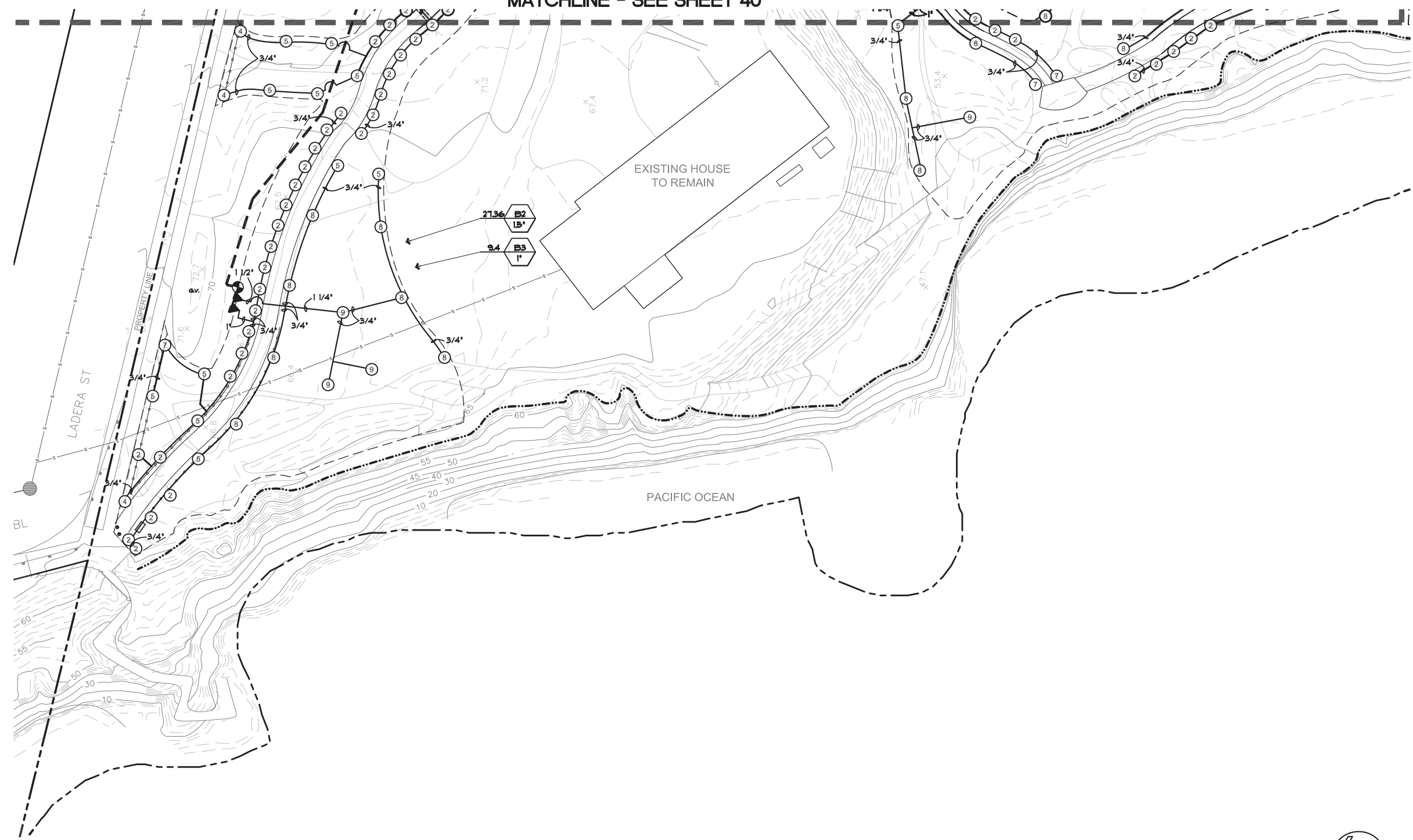
PROJECT ENGINEER _____
 CCS27 COORDINATE _____
 CCS83 COORDINATE _____

CONTRACTOR _____ DATE STARTED _____
 INSPECTOR _____ DATE COMPLETED _____

36768-38-D

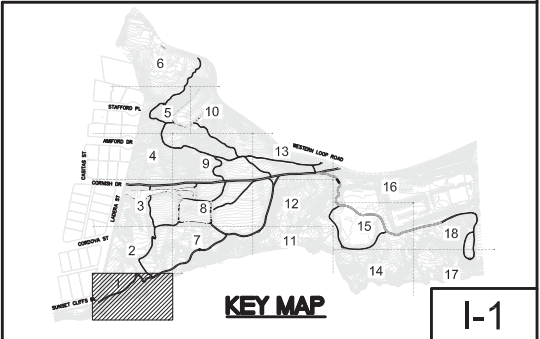
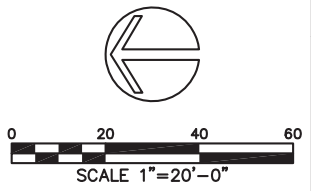
LD-3

MATCHLINE - SEE SHEET 40



- NOTES:**
1. FINAL IRRIGATION REQUIREMENTS SHALL BE DETERMINED BY THE RESTORATION BIOLOGIST.
 2. IRRIGATION THROW SHALL BE ADJUSTED DOWN NEAR CLIFF EDGE TO PREVENT SPRAY WITHIN 2 FEET OF CLIFF EDGE.
 3. IRRIGATION SHALL BE ADJUSTED TO PREVENT OVERTHROW INTO EXISTING NATIVE PLANT COMMUNITIES.
 4. THERE IS THE POSSIBILITY OF ENCOUNTERING BURN ASH AND WASTE DURING CONSTRUCTION. CONTRACTOR SHALL ADHERE TO THE COMMUNITY HEALTH AND SAFETY PLAN AND SOIL MANAGEMENT PLAN.
 5. SEE IMPROVEMENT PLANS FOR IMPROVEMENT DETAIL KEY LEGEND.

SEE SHEET 51 FOR IRRIGATION LEGEND AND SEE SHEET 50 FOR NOTES AND DETAILS.
SEE SPECIFICATIONS AND SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.



**PLANS FOR
SUNSET CLIFFS NATURAL PARK
HILLSIDE IMPROVEMENTS
IRRIGATION PLAN**

| | | | | |
|---|-----|----------|------|------------------------|
| CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 39 OF 78 SHEETS | | | | WBS _____ |
| APPROVED _____ | | | | SUBMITTED BY _____ |
| FOR CITY ENGINEER | | DATE | | PROJECT MANAGER |
| DESCRIPTION | BY | APPROVED | DATE | FILMED |
| ORIGINAL | ELP | | | |
| CONTRACTOR _____ DATE STARTED _____ | | | | PROJECT ENGINEER _____ |
| INSPECTOR _____ DATE COMPLETED _____ | | | | CCS27 COORDINATE _____ |
| | | | | CCS83 COORDINATE _____ |
| | | | | 36768-39-D |

Drawing name: M:\Projects\10012261-SunsetCliffs\1005ub\12261.dwg I-1 May 29, 2013 1:35pm by: ch277

| CONSTRUCTION CHANGE / ADDENDUM | | | |
|--------------------------------|------|---------------------------------|--------------|
| CHANGE | DATE | AFFECTED OR ADDED SHEET NUMBERS | APPROVAL NO. |
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ELP@EstradaLandPlan.com

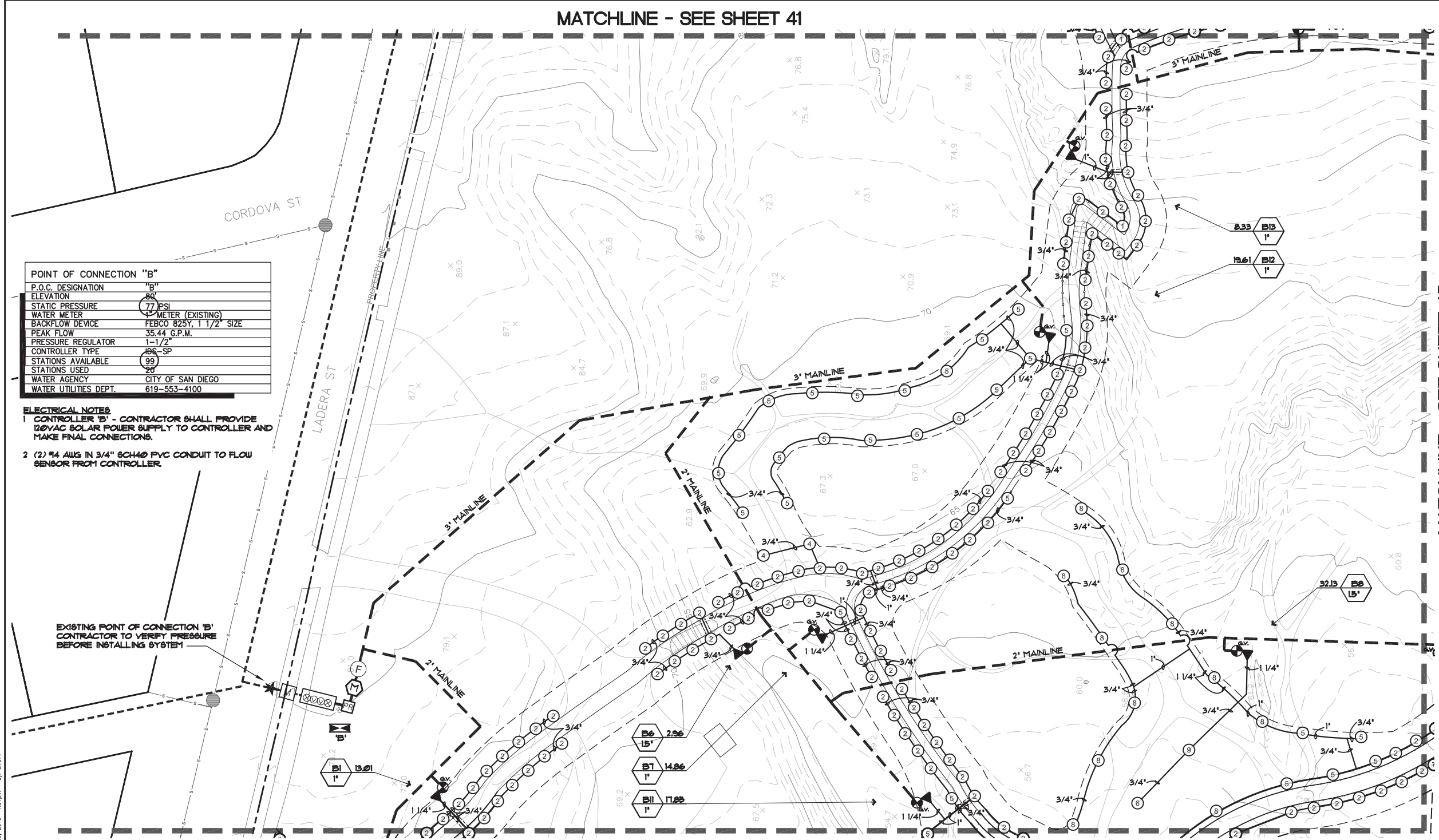


MATCHLINE - SEE SHEET 41

| POINT OF CONNECTION "B" | |
|-------------------------|-------------------------|
| P.O.C. DESIGNATION | "B" |
| ELEVATION | 86 |
| STATIC PRESSURE | 77 PSI |
| WATER METER | 1" METER (EXISTING) |
| BACKFLOW DEVICE | FEBCO 825Y, 1 1/2" SIZE |
| PEAK FLOW | 35.44 G.P.M. |
| PRESSURE REGULATOR | 1-1/2" |
| CONTROLLER TYPE | 195-SP |
| STATIONS AVAILABLE | 99 |
| STATIONS USED | 20 |
| WATER AGENCY | CITY OF SAN DIEGO |
| WATER UTILITIES DEPT. | 619-553-4100 |

- ELECTRICAL NOTES**
- CONTROLLER "B" - CONTRACTOR SHALL PROVIDE 120VAC SOLAR POWER SUPPLY TO CONTROLLER AND MAKE FINAL CONNECTIONS.
 - (2) #4 AWG IN 3/4" SCH40 PVC CONDUIT TO FLOW SENSOR FROM CONTROLLER.

EXISTING POINT OF CONNECTION "B"
CONTRACTOR TO VERIFY PRESSURE
BEFORE INSTALLING SYSTEM

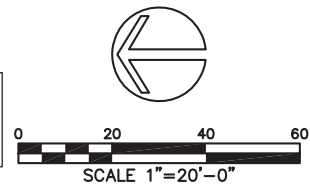


MATCHLINE - SEE SHEET 39

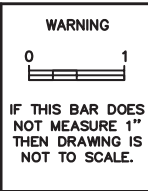
MATCHLINE - SEE SHEET 45

- NOTES:**
- FINAL IRRIGATION REQUIREMENTS SHALL BE DETERMINED BY THE RESTORATION BIOLOGIST.
 - IRRIGATION THROW SHALL BE ADJUSTED DOWN NEAR CLIFF EDGE TO PREVENT SPRAY WITHIN 2 FEET OF CLIFF EDGE.
 - IRRIGATION SHALL BE ADJUSTED TO PREVENT OVERTHROW INTO EXISTING NATIVE PLANT COMMUNITIES.
 - THERE IS THE POSSIBILITY OF ENCOUNTERING BURN ASH AND WASTE DURING CONSTRUCTION. CONTRACTOR SHALL ADHERE TO THE COMMUNITY HEALTH AND SAFETY PLAN AND SOIL MANAGEMENT PLAN.
 - SEE IMPROVEMENT PLANS FOR IMPROVEMENT DETAIL KEY LEGEND.

SEE SHEET 51 FOR IRRIGATION LEGEND AND SEE SHEET 50 FOR NOTES AND DETAILS.
SEE SPECIFICATIONS AND SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.



| CONSTRUCTION CHANGE / ADDENDUM | | | |
|--------------------------------|------|---------------------------------|--------------|
| CHANGE | DATE | AFFECTED OR ADDED SHEET NUMBERS | APPROVAL NO. |
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| | | | |



CITY OF SAN DIEGO
PUBLIC WORKS PROJECT



TEMPORARY BMP CONSTRUCTION SITE STORM WATER PRIORITY: HIGH _____ MEDIUM _____ LOW _____ SPEC. NO. _____

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KEY MAP

1-2

PLANS FOR
SUNSET CLIFFS NATURAL PARK
HILLSIDE IMPROVEMENTS
IRRIGATION PLAN

CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING AND CAPITAL PROJECTS DEPARTMENT
SHEET 40 OF 78 SHEETS

| FOR CITY ENGINEER | BY | APPROVED | DATE | FILMED |
|-------------------|-----|----------|------|--------|
| ORIGINAL | ELP | | | |

CONTRACTOR _____ DATE STARTED _____
INSPECTOR _____ DATE COMPLETED _____

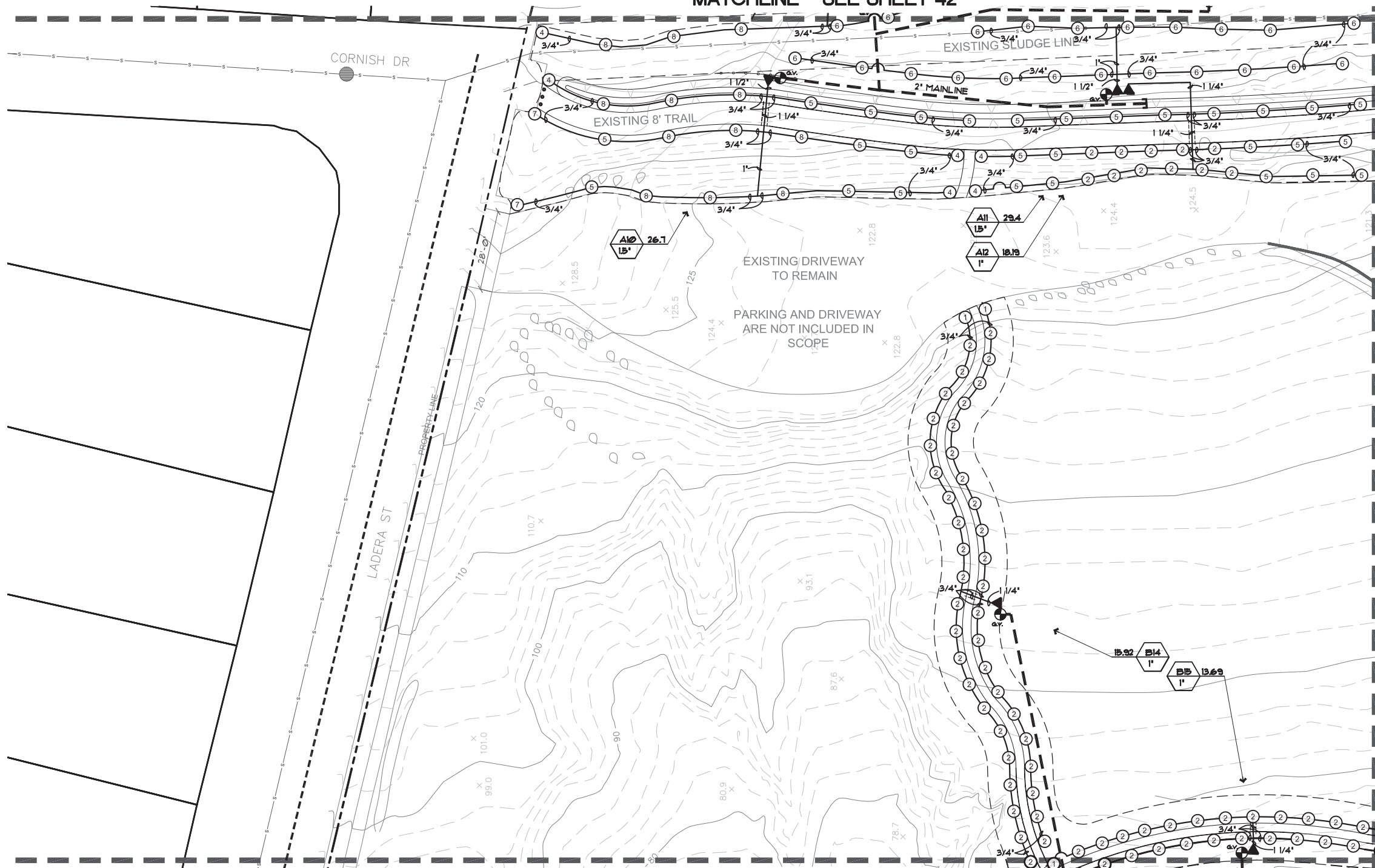
WBS _____
WBS _____
PROJECT MANAGER _____
PROJECT ENGINEER _____
CC827 COORDINATE _____
CC883 COORDINATE _____

36768-40-D

SUNSET CLIFFS NATURAL PARK 100% SUBMITTAL

Drawing name: M:\Projects\100\12261-SunsetCliffs\ACAD\100\Sub\12261_L1.dwg I-2 May 29, 2013 1:31 pm by: chb77

MATCHLINE - SEE SHEET 42



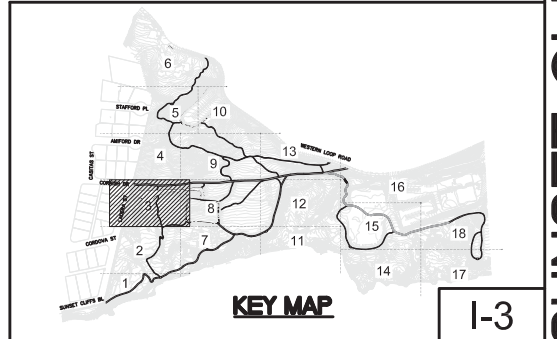
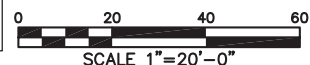
MATCHLINE - SEE SHEET 46

MATCHLINE - SEE SHEET 40

NOTES:

- FINAL IRRIGATION REQUIREMENTS SHALL BE DETERMINED BY THE RESTORATION BIOLOGIST.
- IRRIGATION THROW SHALL BE ADJUSTED DOWN NEAR CLIFF EDGE TO PREVENT SPRAY WITHIN 2 FEET OF CLIFF EDGE.
- IRRIGATION SHALL BE ADJUSTED TO PREVENT OVERTHROW INTO EXISTING NATIVE PLANT COMMUNITIES.
- THERE IS THE POSSIBILITY OF ENCOUNTERING BURN ASH AND WASTE DURING CONSTRUCTION. CONTRACTOR SHALL ADHERE TO THE COMMUNITY HEALTH AND SAFETY PLAN AND SOIL MANAGEMENT PLAN.
- SEE IMPROVEMENT PLANS FOR IMPROVEMENT DETAIL KEY LEGEND.

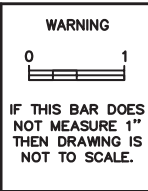
SEE SHEET 51 FOR IRRIGATION LEGEND AND SEE SHEET 50 FOR NOTES AND DETAILS.
SEE SPECIFICATIONS AND SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.



**PLANS FOR
SUNSET CLIFFS NATURAL PARK
HILLSIDE IMPROVEMENTS
IRRIGATION PLAN**

| | | | | |
|---|-----|----------|------|------------------------|
| CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 41 OF 78 SHEETS | | | | WBS _____ WBS _____ |
| APPROVED: _____ DATE _____ | | | | SUBMITTED BY: _____ |
| FOR CITY ENGINEER | | | | PROJECT MANAGER |
| DESCRIPTION | BY | APPROVED | DATE | FILMED |
| ORIGINAL | ELP | | | |
| CONTRACTOR _____ DATE STARTED _____ | | | | PROJECT ENGINEER _____ |
| INSPECTOR _____ DATE COMPLETED _____ | | | | CC827 COORDINATE _____ |
| | | | | CC883 COORDINATE _____ |
| | | | | 36768- 41 -D |

| CONSTRUCTION CHANGE / ADDENDUM | | | |
|--------------------------------|------|---------------------------------|--------------|
| CHANGE | DATE | AFFECTED OR ADDED SHEET NUMBERS | APPROVAL NO. |
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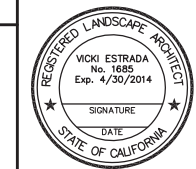
**CITY OF SAN DIEGO
PUBLIC WORKS PROJECT**

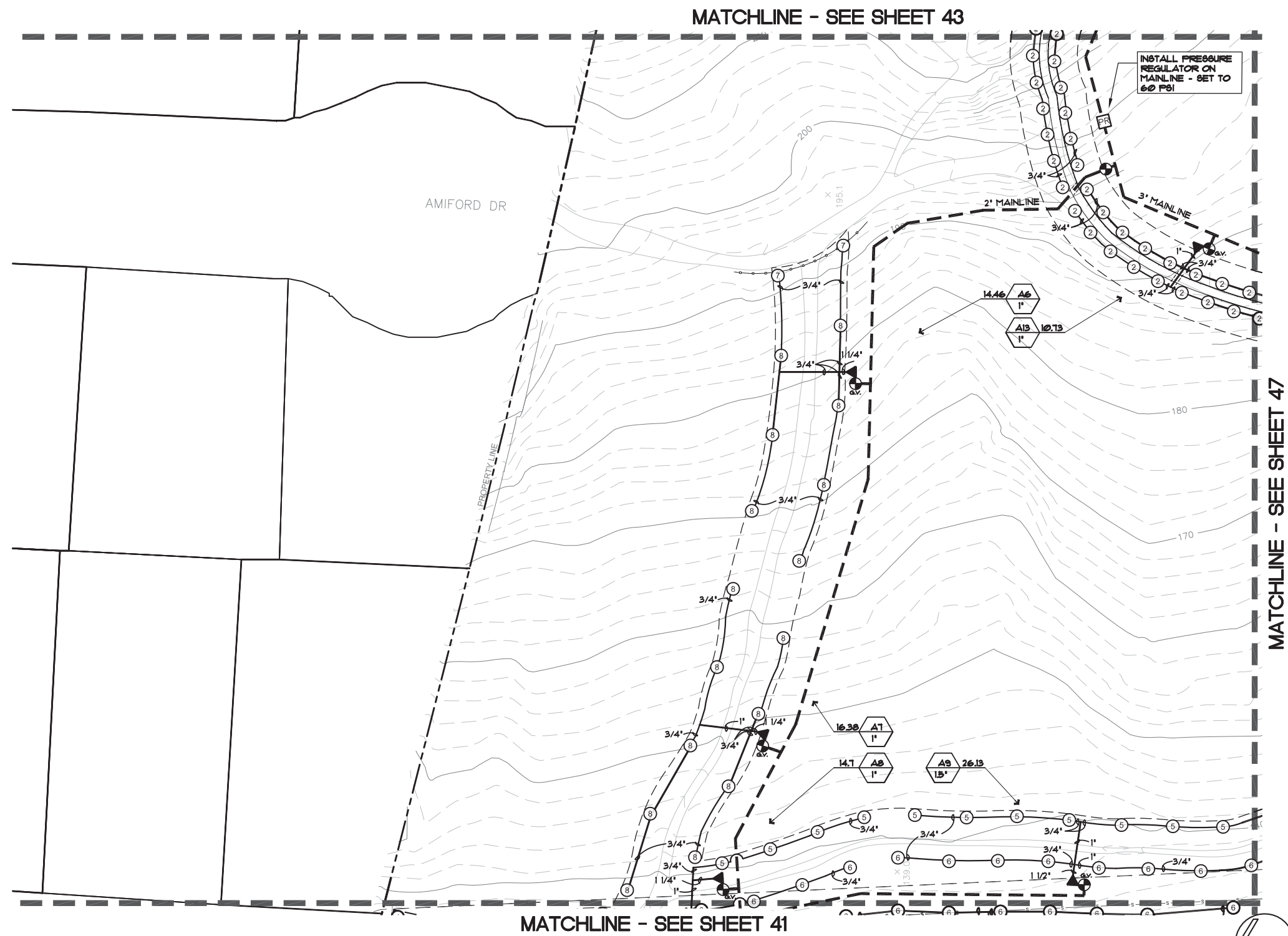


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San Diego, California 92101
619.236.0578 Fax
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INSTALL PRESSURE REGULATOR ON MAINLINE - SET TO 60 PSI

AMIFORD DR

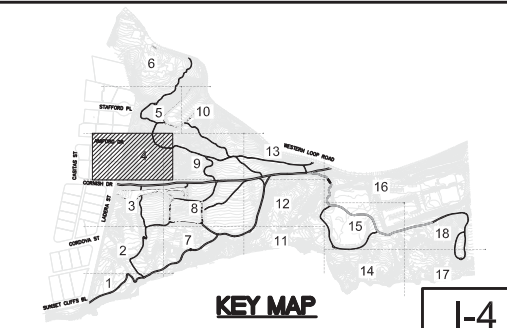
PROPERTY LINE

MATCHLINE - SEE SHEET 47

MATCHLINE - SEE SHEET 41

- NOTES:**
- FINAL IRRIGATION REQUIREMENTS SHALL BE DETERMINED BY THE RESTORATION BIOLOGIST.
 - IRRIGATION THROW SHALL BE ADJUSTED DOWN NEAR CLIFF EDGE TO PREVENT SPRAY WITHIN 2 FEET OF CLIFF EDGE.
 - IRRIGATION SHALL BE ADJUSTED TO PREVENT OVERTHROW INTO EXISTING NATIVE PLANT COMMUNITIES.
 - THERE IS THE POSSIBILITY OF ENCOUNTERING BURN ASH AND WASTE DURING CONSTRUCTION. CONTRACTOR SHALL ADHERE TO THE COMMUNITY HEALTH AND SAFETY PLAN AND SOIL MANAGEMENT PLAN.
 - SEE IMPROVEMENT PLANS FOR IMPROVEMENT DETAIL KEY LEGEND.

SEE SHEET 51 FOR IRRIGATION LEGEND AND SEE SHEET 50 FOR NOTES AND DETAILS.
SEE SPECIFICATIONS AND SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.



**PLANS FOR
SUNSET CLIFFS NATURAL PARK
HILLSIDE IMPROVEMENTS
IRRIGATION PLAN**

CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING AND CAPITAL PROJECTS DEPARTMENT
SHEET 42 OF 78 SHEETS

| | | | |
|-------------------|----------------|------------|------------------|
| APPROVED | | DATE | WBS |
| FOR CITY ENGINEER | | DATE | PROJECT MANAGER |
| DESCRIPTION | BY | APPROVED | DATE |
| ORIGINAL | ELP | | |
| | | | PROJECT ENGINEER |
| | | | CCS27 COORDINATE |
| | | | CCS83 COORDINATE |
| CONTRACTOR | DATE STARTED | 36768-42-D | |
| INSPECTOR | DATE COMPLETED | | |

Drawing name: M:\Projects\100\12261-SunsetCliffs\100Sub\12261_1.dwg I-4 May 29, 2013 1:33pm by: chb77

| CONSTRUCTION CHANGE / ADDENDUM | | | |
|--------------------------------|------|---------------------------------|--------------|
| CHANGE | DATE | AFFECTED OR ADDED SHEET NUMBERS | APPROVAL NO. |
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WARNING

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

**CITY OF SAN DIEGO
PUBLIC WORKS PROJECT**



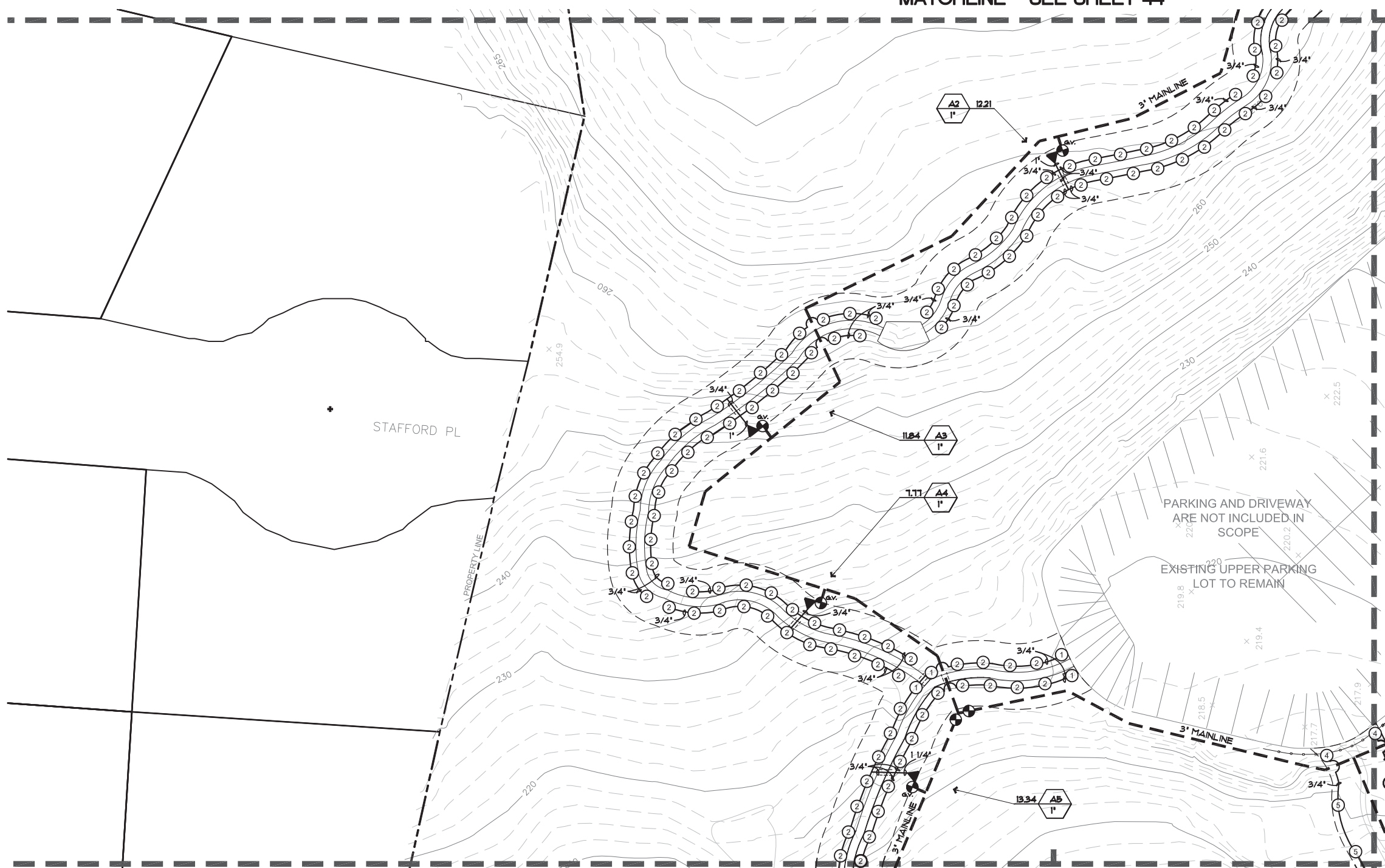
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225 Broadway, Suite 1160
San Diego, California 92101
619.236.0578 Fax
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MATCHLINE - SEE SHEET 44

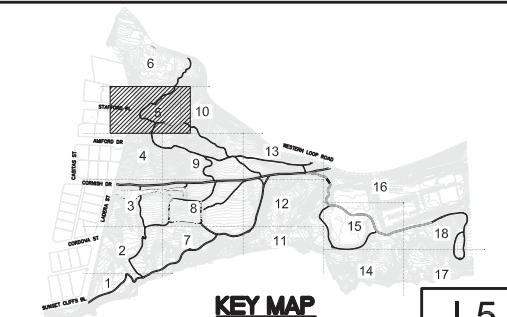
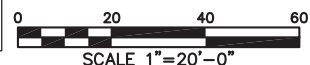


MATCHLINE - SEE SHEET 48

MATCHLINE - SEE SHEET 42

- NOTES:**
1. FINAL IRRIGATION REQUIREMENTS SHALL BE DETERMINED BY THE RESTORATION BIOLOGIST.
 2. IRRIGATION THROW SHALL BE ADJUSTED DOWN NEAR CLIFF EDGE TO PREVENT SPRAY WITHIN 2 FEET OF CLIFF EDGE.
 3. IRRIGATION SHALL BE ADJUSTED TO PREVENT OVERTHROW INTO EXISTING NATIVE PLANT COMMUNITIES.
 4. THERE IS THE POSSIBILITY OF ENCOUNTERING BURN ASH AND WASTE DURING CONSTRUCTION. CONTRACTOR SHALL ADHERE TO THE COMMUNITY HEALTH AND SAFETY PLAN AND SOIL MANAGEMENT PLAN.
 5. SEE IMPROVEMENT PLANS FOR IMPROVEMENT DETAIL KEY LEGEND.

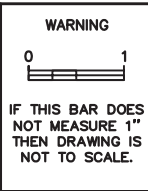
SEE SHEET 51 FOR IRRIGATION LEGEND AND SEE SHEET 50 FOR NOTES AND DETAILS.
SEE SPECIFICATIONS AND SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.



**PLANS FOR
SUNSET CLIFFS NATURAL PARK
HILLSIDE IMPROVEMENTS
IRRIGATION PLAN**

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|---|-----|----------|------|------------------------|
| CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 43 OF 78 SHEETS | | | | WBS _____ |
| APPROVED: _____ | | | | SUBMITTED BY: _____ |
| FOR CITY ENGINEER | | DATE | | PROJECT MANAGER |
| DESCRIPTION | BY | APPROVED | DATE | FILMED |
| ORIGINAL | ELP | | | |
| CONTRACTOR _____ DATE STARTED _____ | | | | PROJECT ENGINEER _____ |
| INSPECTOR _____ DATE COMPLETED _____ | | | | CC827 COORDINATE _____ |
| | | | | CC883 COORDINATE _____ |
| | | | | 36768-43-D |

| CONSTRUCTION CHANGE / ADDENDUM | | | |
|--------------------------------|------|---------------------------------|--------------|
| CHANGE | DATE | AFFECTED OR ADDED SHEET NUMBERS | APPROVAL NO. |
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**CITY OF SAN DIEGO
PUBLIC WORKS PROJECT**

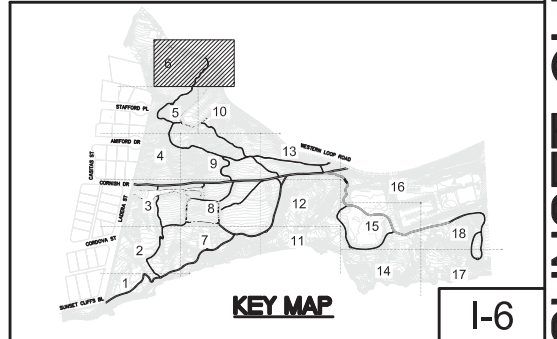
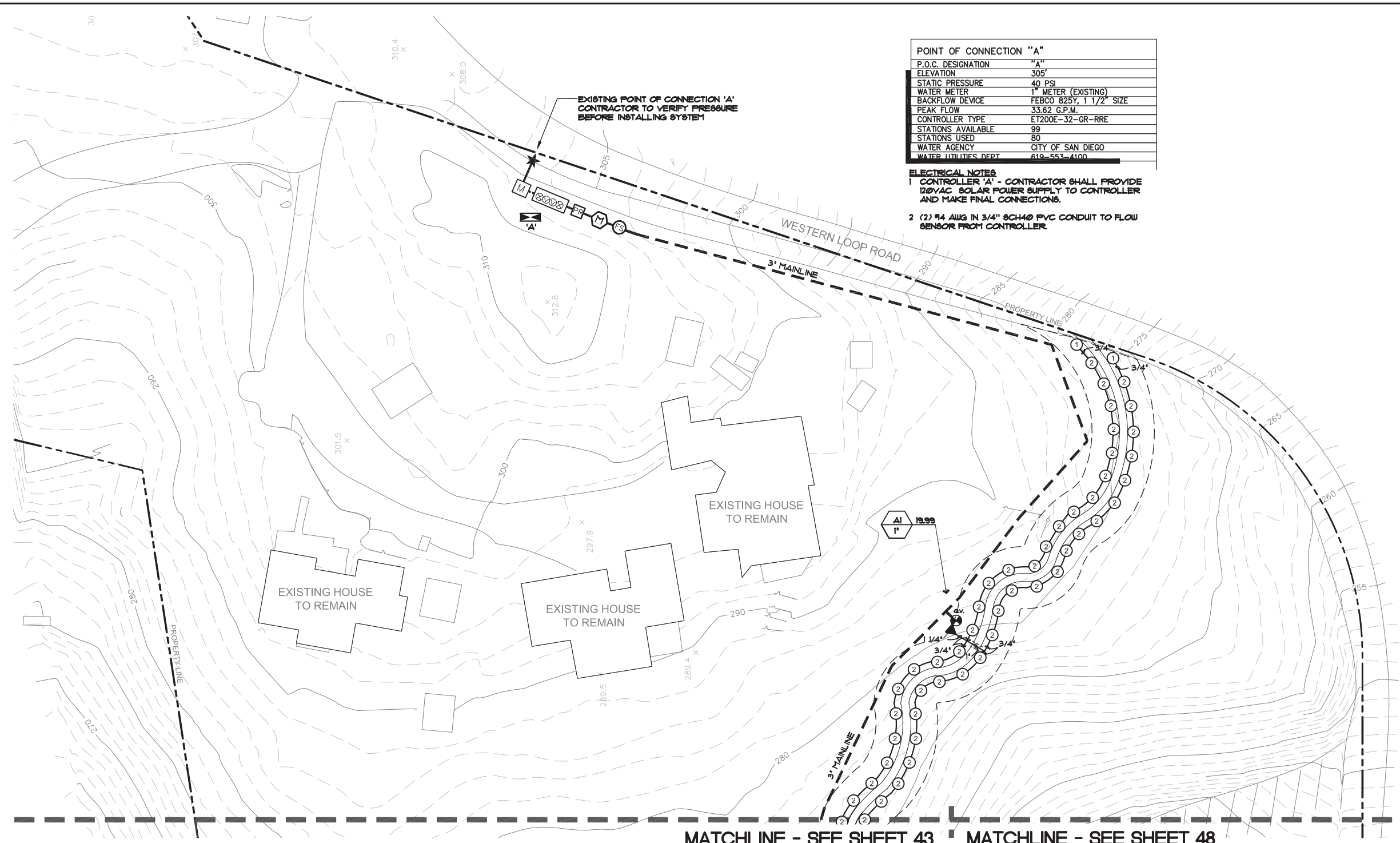


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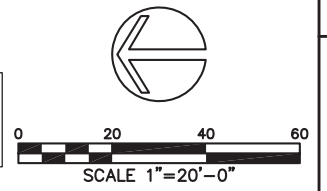
619.236.0143
225 Broadway, Suite 1160
San Diego, California 92101
619.236.0578 Fax
ELP@EstradaLandPlan.com



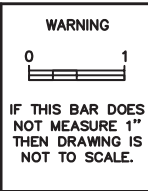


- NOTES:**
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 - IRRIGATION THROW SHALL BE ADJUSTED DOWN NEAR CLIFF EDGE TO PREVENT SPRAY WITHIN 2 FEET OF CLIFF EDGE.
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 - THERE IS THE POSSIBILITY OF ENCOUNTERING BURN ASH AND WASTE DURING CONSTRUCTION. CONTRACTOR SHALL ADHERE TO THE COMMUNITY HEALTH AND SAFETY PLAN AND SOIL MANAGEMENT PLAN.
 - SEE IMPROVEMENT PLANS FOR IMPROVEMENT DETAIL KEY LEGEND.

SEE SHEET 51 FOR IRRIGATION LEGEND AND SEE SHEET 50 FOR NOTES AND DETAILS.
 SEE SPECIFICATIONS AND SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.



| CONSTRUCTION CHANGE / ADDENDUM | | | |
|--------------------------------|------|---------------------------------|--------------|
| CHANGE | DATE | AFFECTED OR ADDED SHEET NUMBERS | APPROVAL NO. |
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**CITY OF SAN DIEGO
PUBLIC WORKS PROJECT**



TEMPORARY BMP CONSTRUCTION SITE STORM WATER PRIORITY: HIGH _____ MEDIUM _____ LOW _____ SPEC. NO. _____

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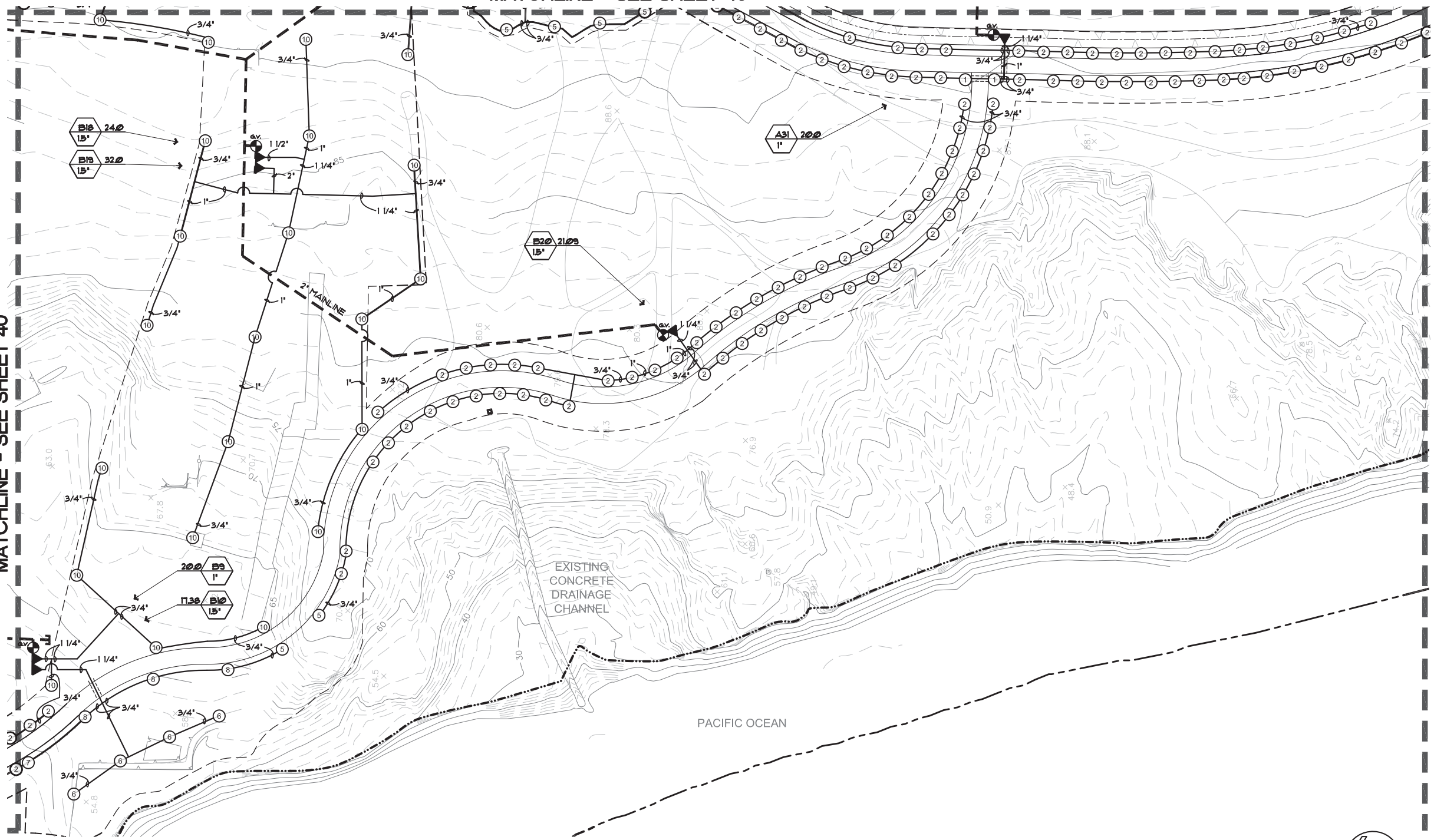
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|---|----------------|----------|------|------------------|
| CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 44 OF 78 SHEETS | | | | WBS _____ |
| APPROVED _____ DATE _____ | | | | WBS _____ |
| FOR CITY ENGINEER | | | | PROJECT MANAGER |
| DESCRIPTION | BY | APPROVED | DATE | FILMED |
| ORIGINAL | ELP | | | |
| | | | | PROJECT ENGINEER |
| | | | | CC827 COORDINATE |
| | | | | CC883 COORDINATE |
| CONTRACTOR | DATE STARTED | | | 36768-44-D |
| INSPECTOR | DATE COMPLETED | | | |

MATCHLINE - SEE SHEET 46

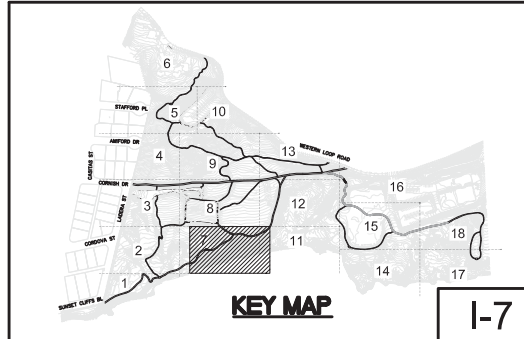
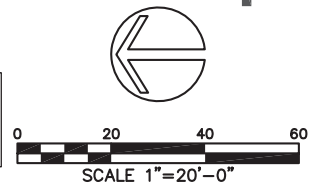
MATCHLINE - SEE SHEET 40

MATCHLINE - SEE SHEET 49



- NOTES:**
1. FINAL IRRIGATION REQUIREMENTS SHALL BE DETERMINED BY THE RESTORATION BIOLOGIST.
 2. IRRIGATION THROW SHALL BE ADJUSTED DOWN NEAR CLIFF EDGE TO PREVENT SPRAY WITHIN 2 FEET OF CLIFF EDGE.
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 5. SEE IMPROVEMENT PLANS FOR IMPROVEMENT DETAIL KEY LEGEND.

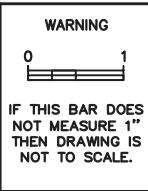
SEE SHEET 51 FOR IRRIGATION LEGEND AND SEE SHEET 50 FOR NOTES AND DETAILS.
SEE SPECIFICATIONS AND SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.



**PLANS FOR
SUNSET CLIFFS NATURAL PARK
HILLSIDE IMPROVEMENTS
IRRIGATION PLAN**

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| CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 45 OF 78 SHEETS | | | | WBS _____ |
| APPROVED: | | | | WBS _____ |
| FOR CITY ENGINEER | | DATE | | PROJECT MANAGER |
| DESCRIPTION | BY | APPROVED | DATE | FILMED |
| ORIGINAL | ELP | | | |
| CONTRACTOR _____ DATE STARTED _____ | | | | PROJECT ENGINEER _____ |
| INSPECTOR _____ DATE COMPLETED _____ | | | | CC827 COORDINATE _____ |
| | | | | CC883 COORDINATE _____ |
| | | | | 36768-45-D |

| CONSTRUCTION CHANGE / ADDENDUM | | | |
|--------------------------------|------|---------------------------------|--------------|
| CHANGE | DATE | AFFECTED OR ADDED SHEET NUMBERS | APPROVAL NO. |
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**CITY OF SAN DIEGO
PUBLIC WORKS PROJECT**



TEMPORARY BMP CONSTRUCTION SITE STORM WATER PRIORITY: HIGH _____ MEDIUM _____ LOW _____ SPEC. NO. _____

CONSULTANT

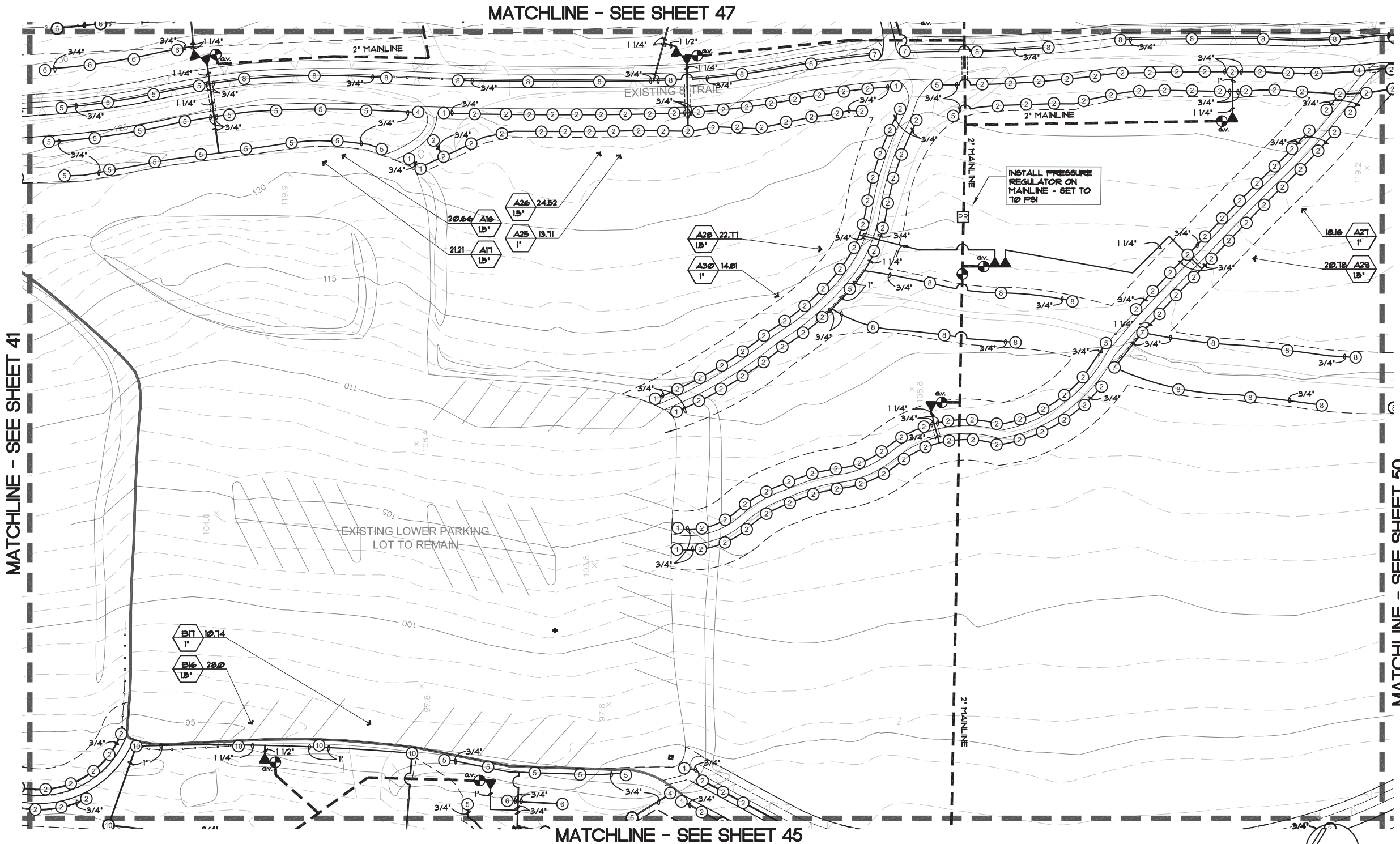
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MATCHLINE - SEE SHEET 41

MATCHLINE - SEE SHEET 50



Drawing name: M:\Projects\100\12261-SunsetCliffs\100\1005\12261_1.dwg I-8 May 29, 2013 1:36pm by: chb77

NOTES:

1. FINAL IRRIGATION REQUIREMENTS SHALL BE DETERMINED BY THE RESTORATION BIOLOGIST.
2. IRRIGATION THROW SHALL BE ADJUSTED DOWN NEAR CLIFF EDGE TO PREVENT SPRAY WITHIN 2 FEET OF CLIFF EDGE.
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5. SEE IMPROVEMENT PLANS FOR IMPROVEMENT DETAIL KEY LEGEND.

| CONSTRUCTION CHANGE / ADDENDUM | | | |
|--------------------------------|------|---------------------------------|--------------|
| CHANGE | DATE | AFFECTED OR ADDED SHEET NUMBERS | APPROVAL NO. |
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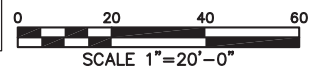
WARNING

0 1

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

**CITY OF SAN DIEGO
PUBLIC WORKS PROJECT**

SEE SHEET 51 FOR IRRIGATION LEGEND AND SEE SHEET 50 FOR NOTES AND DETAILS.
SEE SPECIFICATIONS AND SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

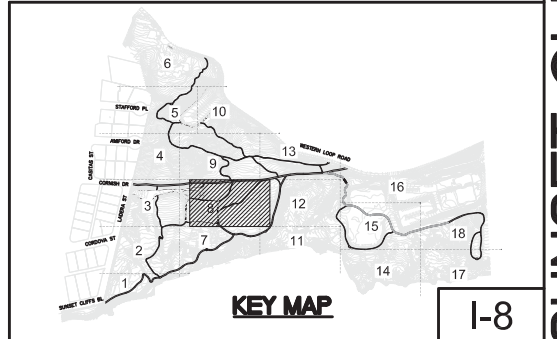


TEMPORARY BMP CONSTRUCTION SITE STORM WATER PRIORITY: HIGH _____ MEDIUM _____ LOW _____ SPEC. NO. _____

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San Diego, California 92101
619.236.0578 Fax
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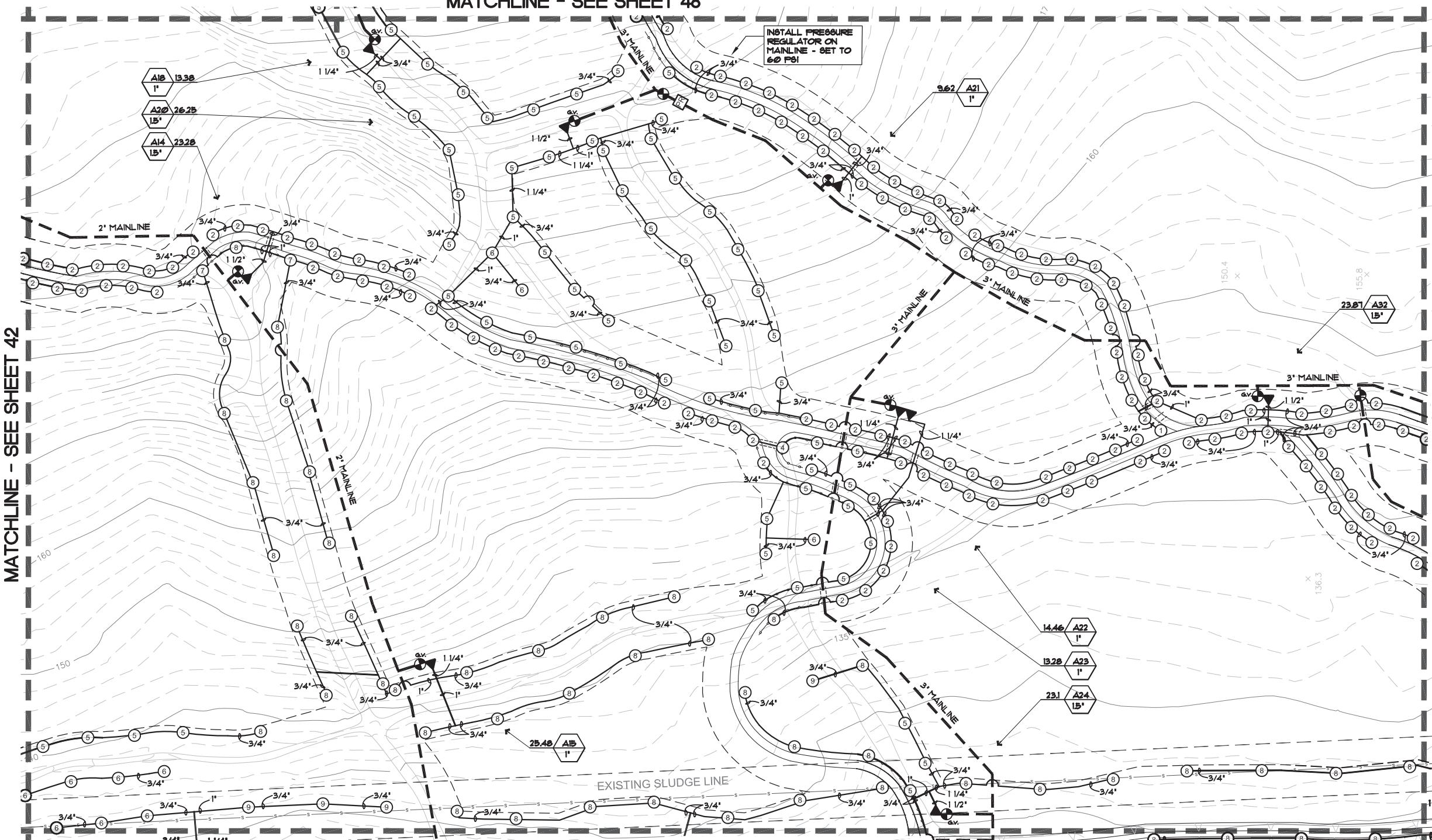
**PLANS FOR
SUNSET CLIFFS NATURAL PARK
HILLSIDE IMPROVEMENTS
IRRIGATION PLAN**

| | | | | |
|---|--------------|----------------|------|------------------|
| CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 46 OF 78 SHEETS | | | | WBS _____ |
| APPROVED _____ | | | | WBS _____ |
| FOR CITY ENGINEER | | DATE | | PROJECT MANAGER |
| DESCRIPTION | BY | APPROVED | DATE | FILMED |
| ORIGINAL | ELP | | | |
| | | | | PROJECT ENGINEER |
| | | | | CC827 COORDINATE |
| | | | | CC883 COORDINATE |
| CONTRACTOR | DATE STARTED | DATE COMPLETED | | 36768-46-D |
| INSPECTOR | | | | |

MATCHLINE - SEE SHEET 48

MATCHLINE - SEE SHEET 42

MATCHLINE - SEE SHEET 51



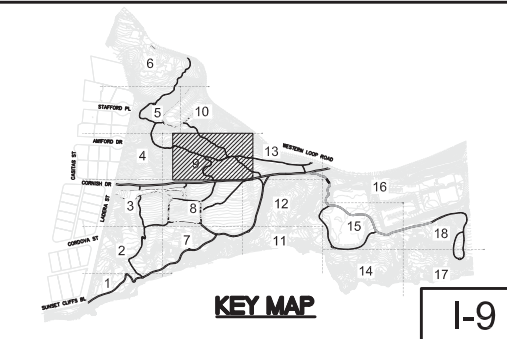
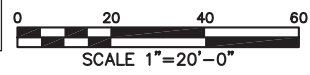
INSTALL PRESSURE REGULATOR ON MAINLINE - SET TO 60 PSI

EXISTING SLUDGE LINE

MATCHLINE - SEE SHEET 46

- NOTES:**
1. FINAL IRRIGATION REQUIREMENTS SHALL BE DETERMINED BY THE RESTORATION BIOLOGIST.
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 5. SEE IMPROVEMENT PLANS FOR IMPROVEMENT DETAIL KEY LEGEND.

SEE SHEET 51 FOR IRRIGATION LEGEND AND SEE SHEET 50 FOR NOTES AND DETAILS.
SEE SPECIFICATIONS AND SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.



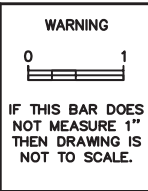
1-9

**PLANS FOR
SUNSET CLIFFS NATURAL PARK
HILLSIDE IMPROVEMENTS
IRRIGATION PLAN**

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|---|-----|----------|------|------------------|
| CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 47 OF 78 SHEETS | | | | WBS _____ |
| APPROVED: | | | | DATE _____ |
| FOR CITY ENGINEER | | DATE | | PROJECT MANAGER |
| DESCRIPTION | BY | APPROVED | DATE | FILMED |
| ORIGINAL | ELP | | | |
| CONTRACTOR _____ | | | | CC827 COORDINATE |
| INSPECTOR _____ | | | | CC883 COORDINATE |
| DATE STARTED _____ | | | | 36768-47-D |
| DATE COMPLETED _____ | | | | |

Drawing name: M:\Projects\100\12261-SunsetCliffs\ACAD\100Sub\12261.dwg 1-9 May 29, 2013 1:36pm by: chs77

| CONSTRUCTION CHANGE / ADDENDUM | | | |
|--------------------------------|------|---------------------------------|--------------|
| CHANGE | DATE | AFFECTED OR ADDED SHEET NUMBERS | APPROVAL NO. |
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**CITY OF SAN DIEGO
PUBLIC WORKS PROJECT**



CONSULTANT

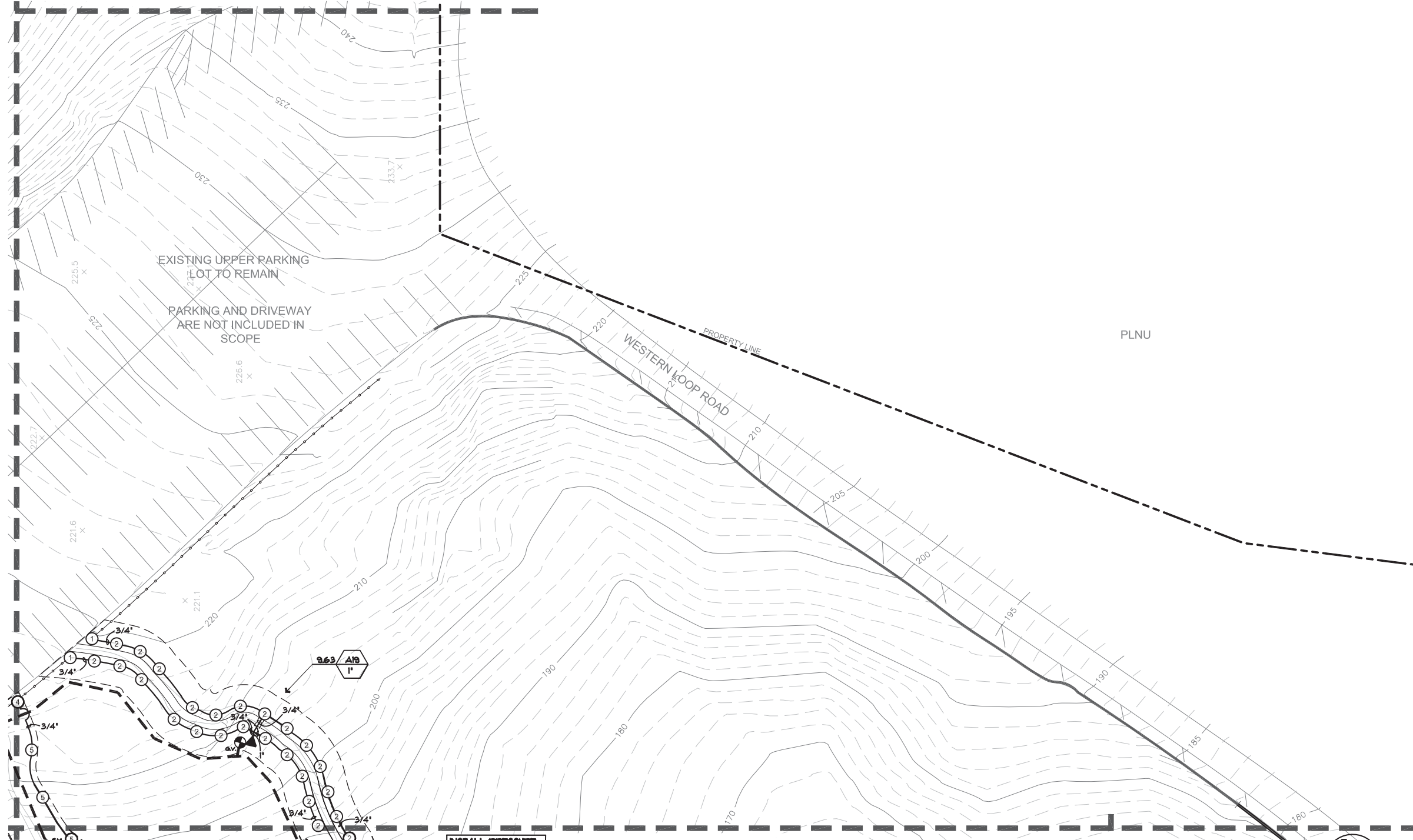
Estrada Land Planning
Urban Design Landscape Architecture Computer Imaging

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225 Broadway, Suite 1160
San Diego, California 92101
619.236.0678 Fax
ELP@EstradaLandPlan.com



MATCHLINE - SEE SHEET 44

MATCHLINE - SEE SHEET 43

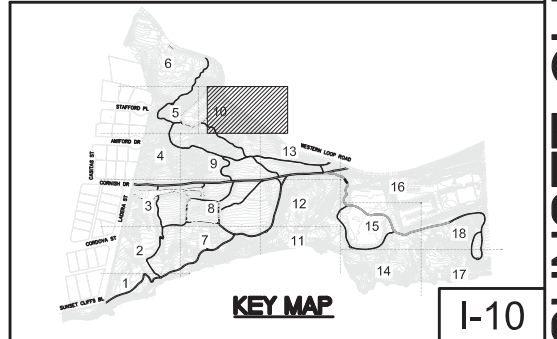
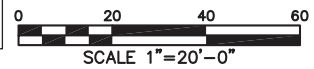


MATCHLINE - SEE SHEET 47

NOTES:

1. FINAL IRRIGATION REQUIREMENTS SHALL BE DETERMINED BY THE RESTORATION BIOLOGIST.
2. IRRIGATION THROW SHALL BE ADJUSTED DOWN NEAR CLIFF EDGE TO PREVENT SPRAY WITHIN 2 FEET OF CLIFF EDGE.
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5. SEE IMPROVEMENT PLANS FOR IMPROVEMENT DETAIL KEY LEGEND.

SEE SHEET 51 FOR IRRIGATION LEGEND AND SEE SHEET 50 FOR NOTES AND DETAILS.
SEE SPECIFICATIONS AND SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.



**PLANS FOR
SUNSET CLIFFS NATURAL PARK
HILLSIDE IMPROVEMENTS
IRRIGATION PLAN**

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|---|-----|----------|------|------------------|
| CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 48 OF 78 SHEETS | | | | WBS _____ |
| APPROVED _____ | | | | WBS _____ |
| FOR CITY ENGINEER | | DATE | | PROJECT MANAGER |
| DESCRIPTION | BY | APPROVED | DATE | FILMED |
| ORIGINAL | ELP | | | |
| CONTRACTOR _____ | | | | PROJECT ENGINEER |
| INSPECTOR _____ | | | | CCS27 COORDINATE |
| DATE STARTED _____ | | | | CCS83 COORDINATE |
| DATE COMPLETED _____ | | | | 36768-48-D |

Drawing name: M:\Projects\100\12261-SunsetCliffs\ACAD\100504\12261_1.dwg I-10 May 28, 2013 1:37pm by: cho77

| CONSTRUCTION CHANGE / ADDENDUM | | | |
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| CHANGE | DATE | AFFECTED OR ADDED SHEET NUMBERS | APPROVAL NO. |
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WARNING

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

**CITY OF SAN DIEGO
PUBLIC WORKS PROJECT**



CONSULTANT

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Urban Design Landscape Architecture Computer Imaging

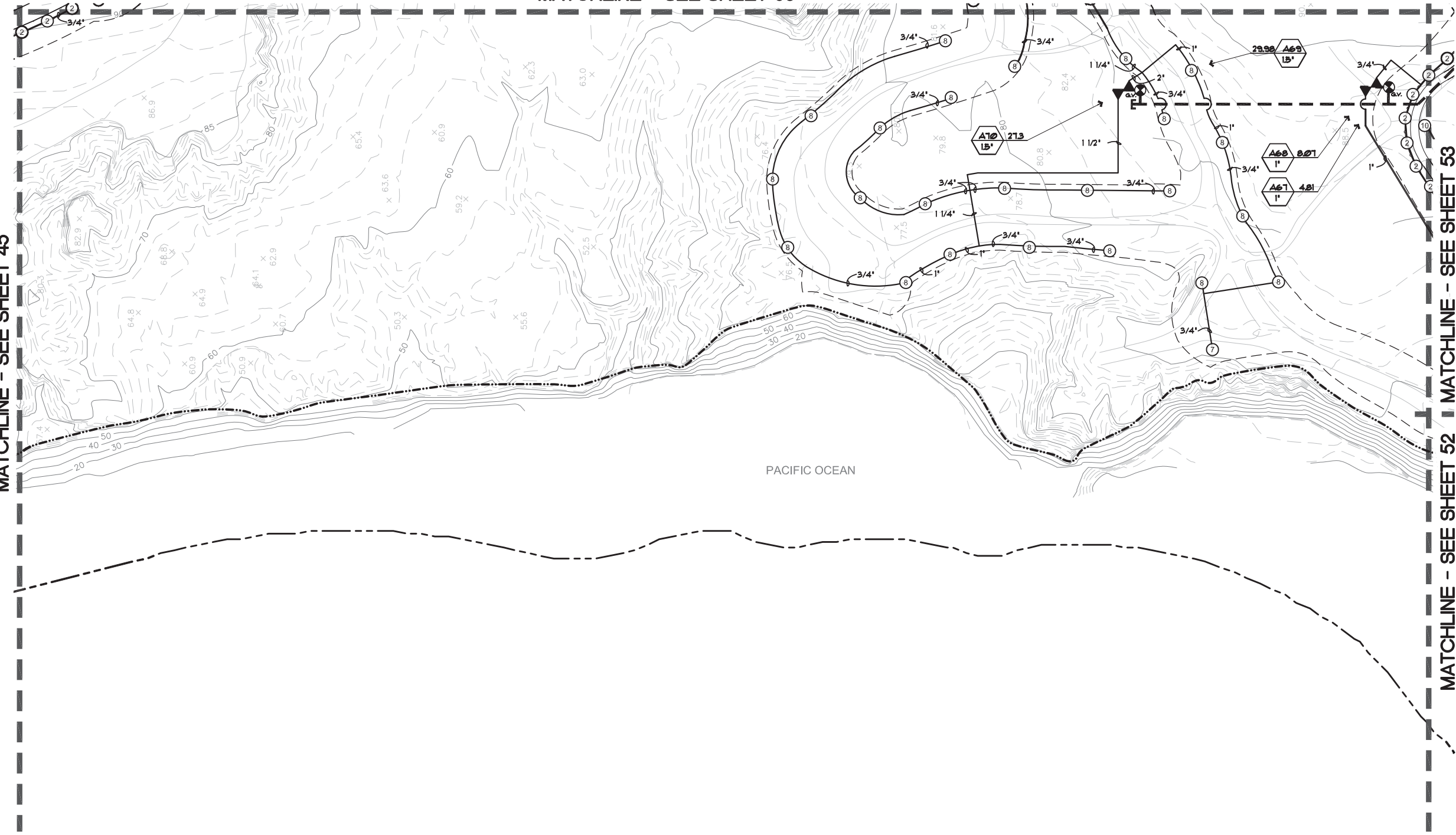
619.236.0143
225 Broadway, Suite 1160
San Diego, California 92101
619.236.0578 Fax
ELP@EstradaLandPlan.com



MATCHLINE - SEE SHEET 45

MATCHLINE - SEE SHEET 52 | MATCHLINE - SEE SHEET 53

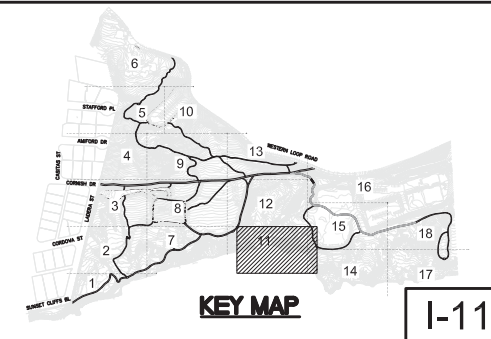
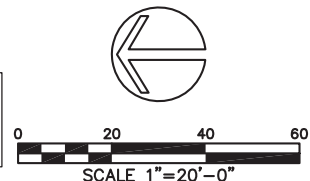
MATCHLINE - SEE SHEET 50



PACIFIC OCEAN

- NOTES:**
- FINAL IRRIGATION REQUIREMENTS SHALL BE DETERMINED BY THE RESTORATION BIOLOGIST.
 - IRRIGATION THROW SHALL BE ADJUSTED DOWN NEAR CLIFF EDGE TO PREVENT SPRAY WITHIN 2 FEET OF CLIFF EDGE.
 - IRRIGATION SHALL BE ADJUSTED TO PREVENT OVERTHROW INTO EXISTING NATIVE PLANT COMMUNITIES.
 - THERE IS THE POSSIBILITY OF ENCOUNTERING BURN ASH AND WASTE DURING CONSTRUCTION. CONTRACTOR SHALL ADHERE TO THE COMMUNITY HEALTH AND SAFETY PLAN AND SOIL MANAGEMENT PLAN.
 - SEE IMPROVEMENT PLANS FOR IMPROVEMENT DETAIL KEY LEGEND.

SEE SHEET 51 FOR IRRIGATION LEGEND AND SEE SHEET 50 FOR NOTES AND DETAILS.
SEE SPECIFICATIONS AND SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.



I-11

**PLANS FOR
SUNSET CLIFFS NATURAL PARK
HILLSIDE IMPROVEMENTS
IRRIGATION PLAN**

| | | | | |
|---|----------------|----------|------|---------------------|
| CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 49 OF 78 SHEETS | | | | WBS _____ |
| APPROVED: _____ | | | | SUBMITTED BY: _____ |
| FOR CITY ENGINEER | | DATE | | PROJECT MANAGER |
| DESCRIPTION | BY | APPROVED | DATE | FILMED |
| ORIGINAL | ELP | | | |
| | | | | PROJECT ENGINEER |
| | | | | CC827 COORDINATE |
| | | | | CC883 COORDINATE |
| CONTRACTOR | DATE STARTED | | | 36768-49-D |
| INSPECTOR | DATE COMPLETED | | | |

| CONSTRUCTION CHANGE / ADDENDUM | | | |
|--------------------------------|------|---------------------------------|--------------|
| CHANGE | DATE | AFFECTED OR ADDED SHEET NUMBERS | APPROVAL NO. |
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WARNING

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

**CITY OF SAN DIEGO
PUBLIC WORKS PROJECT**



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Urban Design Landscape Architecture Computer Imaging

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San Diego, California 92101
619.236.0578 Fax
ELP@EstradaLandPlan.com

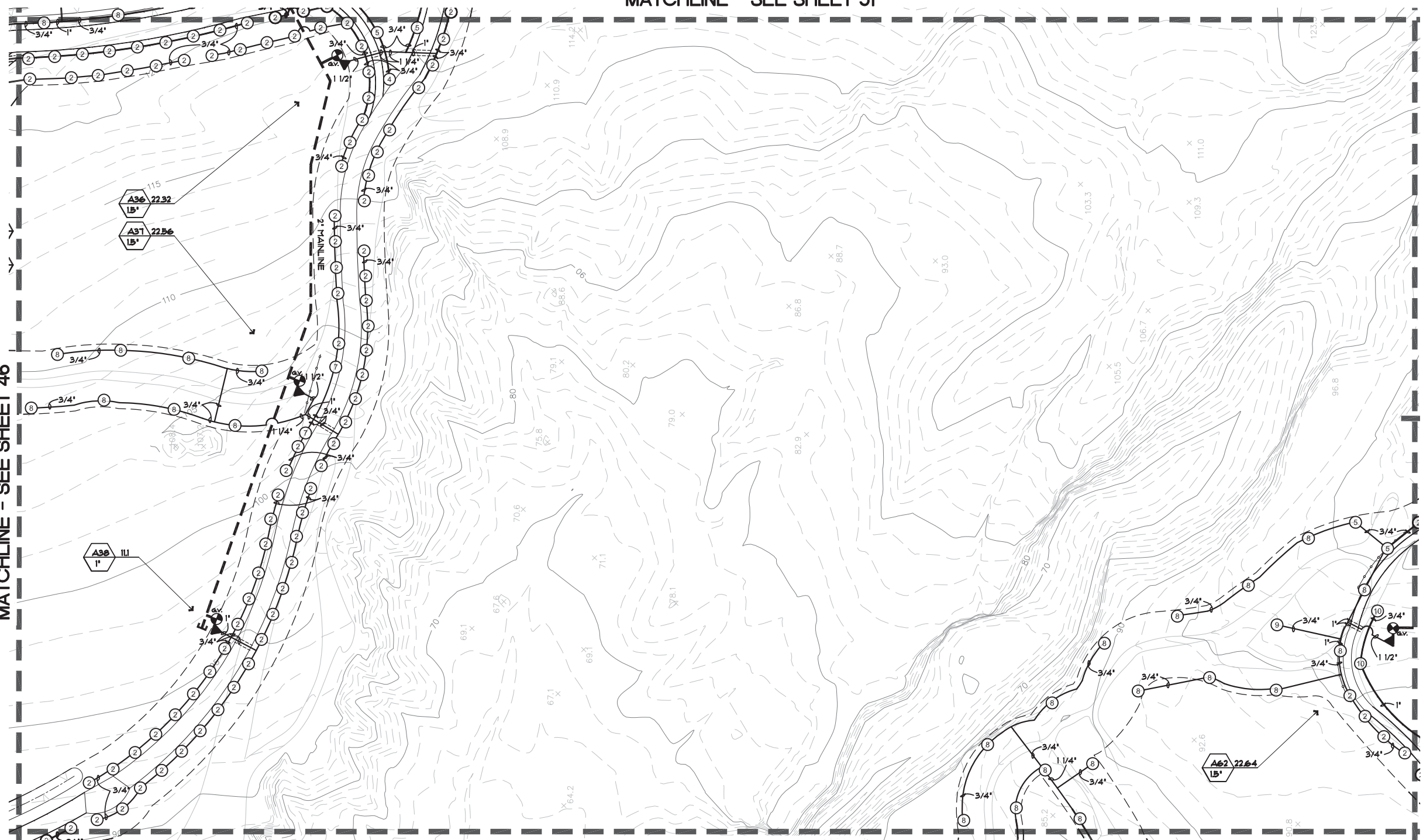


MATCHLINE - SEE SHEET 51

MATCHLINE - SEE SHEET 46

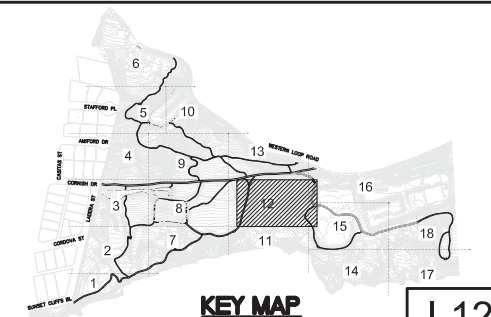
MATCHLINE - SEE SHEET 53 MATCHLINE - SEE SHEET 54

MATCHLINE - SEE SHEET 49



- NOTES:**
- FINAL IRRIGATION REQUIREMENTS SHALL BE DETERMINED BY THE RESTORATION BIOLOGIST.
 - IRRIGATION THROW SHALL BE ADJUSTED DOWN NEAR CLIFF EDGE TO PREVENT SPRAY WITHIN 2 FEET OF CLIFF EDGE.
 - IRRIGATION SHALL BE ADJUSTED TO PREVENT OVERTHROW INTO EXISTING NATIVE PLANT COMMUNITIES.
 - THERE IS THE POSSIBILITY OF ENCOUNTERING BURN ASH AND WASTE DURING CONSTRUCTION. CONTRACTOR SHALL ADHERE TO THE COMMUNITY HEALTH AND SAFETY PLAN AND SOIL MANAGEMENT PLAN.
 - SEE IMPROVEMENT PLANS FOR IMPROVEMENT DETAIL KEY LEGEND.

SEE SHEET 51 FOR IRRIGATION LEGEND AND SEE SHEET 50 FOR NOTES AND DETAILS.
SEE SPECIFICATIONS AND SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.



I-12

**PLANS FOR
SUNSET CLIFFS NATURAL PARK
HILLSIDE IMPROVEMENTS
IRRIGATION PLAN**

| | | |
|---|----------------|------------------|
| CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 50 OF 78 SHEETS | | WBS _____ |
| APPROVED: | | WBS _____ |
| FOR CITY ENGINEER | | PROJECT MANAGER |
| DESCRIPTION | BY | APPROVED DATE |
| ORIGINAL | ELP | |
| | | PROJECT ENGINEER |
| | | CCS27 COORDINATE |
| | | CCS83 COORDINATE |
| CONTRACTOR | DATE STARTED | 36768-50-D |
| INSPECTOR | DATE COMPLETED | |

| CONSTRUCTION CHANGE / ADDENDUM | | | |
|--------------------------------|------|---------------------------------|--------------|
| CHANGE | DATE | AFFECTED OR ADDED SHEET NUMBERS | APPROVAL NO. |
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| | | | |

WARNING

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

**CITY OF SAN DIEGO
PUBLIC WORKS PROJECT**



CONSULTANT

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Urban Design Landscape Architecture Computer Imaging

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225 Broadway, Suite 1160
San Diego, California 92101
619.236.0578 Fax
ELP@EstradaLandPlan.com

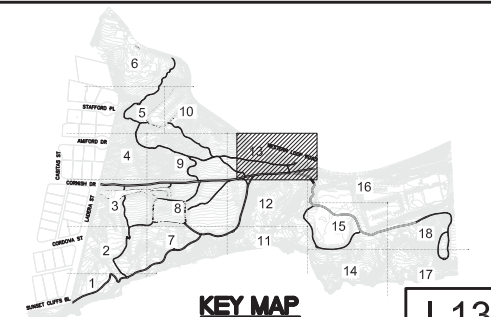
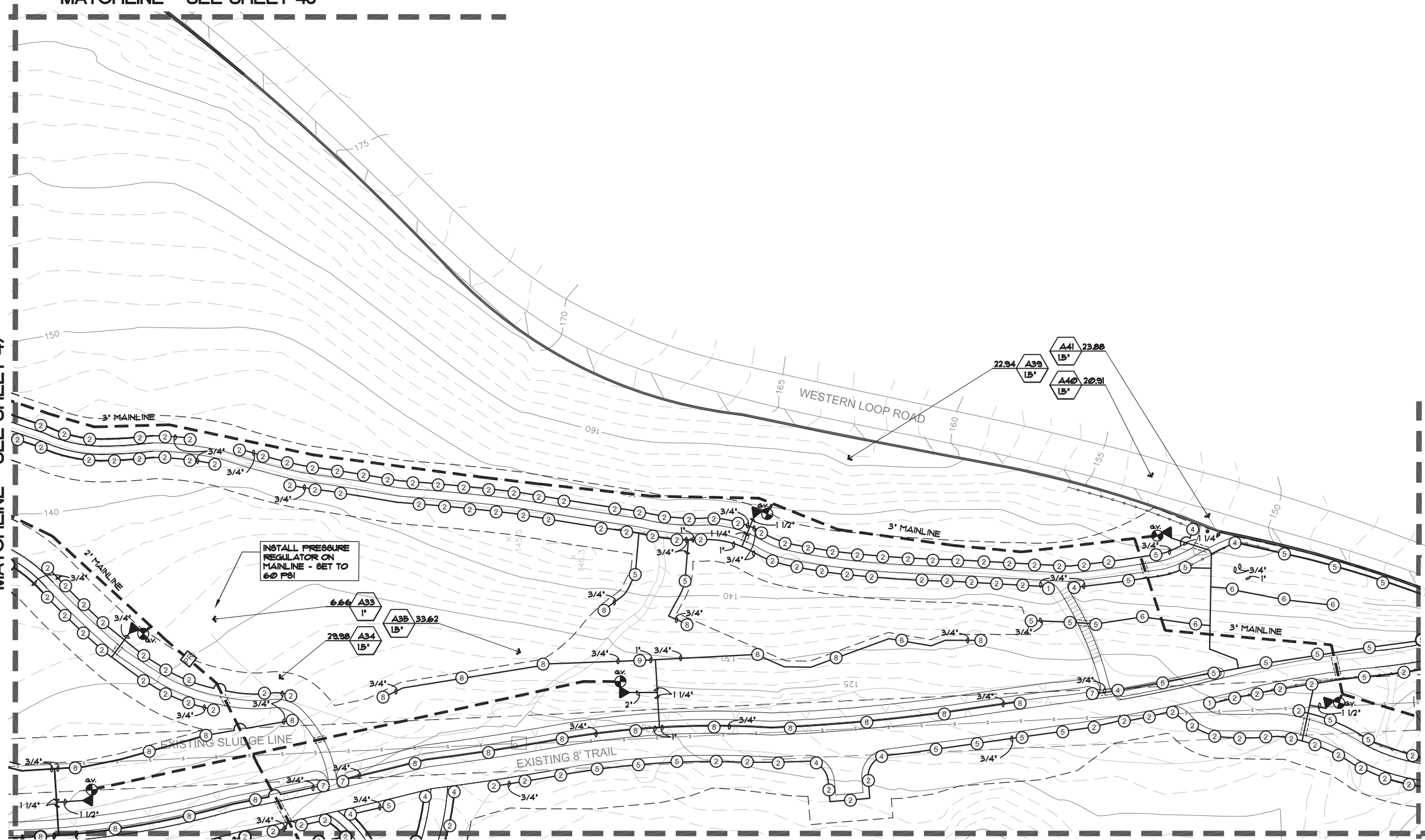


MATCHLINE - SEE SHEET 48

MATCHLINE - SEE SHEET 47

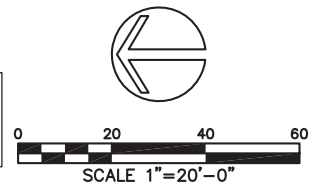
MATCHLINE - SEE SHEET 54

MATCHLINE - SEE SHEET 50

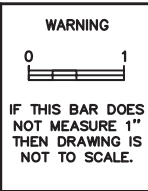


- NOTES:**
1. FINAL IRRIGATION REQUIREMENTS SHALL BE DETERMINED BY THE RESTORATION BIOLOGIST.
 2. IRRIGATION THROW SHALL BE ADJUSTED DOWN NEAR CLIFF EDGE TO PREVENT SPRAY WITHIN 2 FEET OF CLIFF EDGE.
 3. IRRIGATION SHALL BE ADJUSTED TO PREVENT OVERTHROW INTO EXISTING NATIVE PLANT COMMUNITIES.
 4. THERE IS THE POSSIBILITY OF ENCOUNTERING BURN ASH AND WASTE DURING CONSTRUCTION. CONTRACTOR SHALL ADHERE TO THE COMMUNITY HEALTH AND SAFETY PLAN AND SOIL MANAGEMENT PLAN.
 5. SEE IMPROVEMENT PLANS FOR IMPROVEMENT DETAIL KEY LEGEND.

SEE SHEET 51 FOR IRRIGATION LEGEND AND SEE SHEET 50 FOR NOTES AND DETAILS.
SEE SPECIFICATIONS AND SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.



| CONSTRUCTION CHANGE / ADDENDUM | | | |
|--------------------------------|------|---------------------------------|--------------|
| CHANGE | DATE | AFFECTED OR ADDED SHEET NUMBERS | APPROVAL NO. |
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CITY OF SAN DIEGO
PUBLIC WORKS PROJECT



TEMPORARY BMP CONSTRUCTION SITE STORM WATER PRIORITY: HIGH _____ MEDIUM _____ LOW _____ SPEC. NO. _____

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REGISTERED LANDSCAPE ARCHITECT
VICKI ESTRADA
No. 1685
Exp. 4/30/2014
SIGNATURE
DATE

PLANS FOR
SUNSET CLIFFS NATURAL PARK
HILLSIDE IMPROVEMENTS
IRRIGATION PLAN

CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING AND CAPITAL PROJECTS DEPARTMENT
SHEET 51 OF 78 SHEETS

WBS _____
SUBMITTED BY _____
PROJECT MANAGER _____
PROJECT ENGINEER _____
CC827 COORDINATE _____
CC883 COORDINATE _____
36768- 51 -D

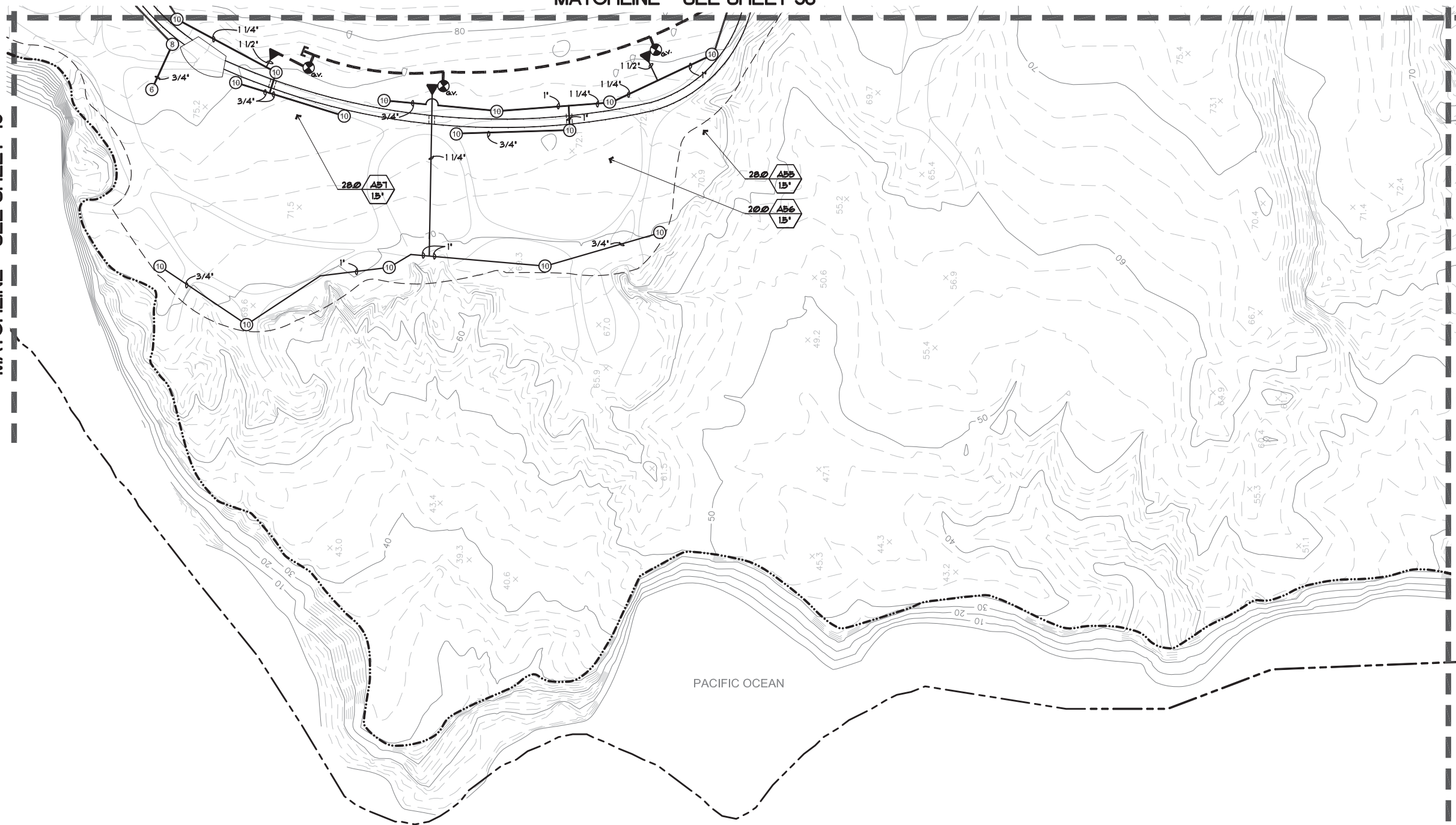
| FOR CITY ENGINEER | | DATE | |
|-------------------|-----|----------|------|
| DESCRIPTION | BY | APPROVED | DATE |
| ORIGINAL | ELP | | |
| | | | |
| | | | |

CONTRACTOR _____ DATE STARTED _____
INSPECTOR _____ DATE COMPLETED _____

MATCHLINE - SEE SHEET 53

MATCHLINE - SEE SHEET 49

MATCHLINE - SEE SHEET 55

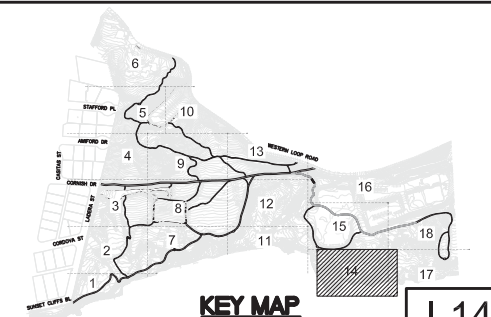
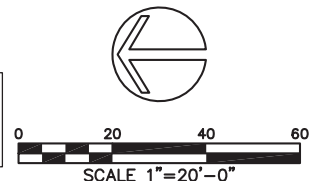


PACIFIC OCEAN

NOTES:

1. FINAL IRRIGATION REQUIREMENTS SHALL BE DETERMINED BY THE RESTORATION BIOLOGIST.
2. IRRIGATION THROW SHALL BE ADJUSTED DOWN NEAR CLIFF EDGE TO PREVENT SPRAY WITHIN 2 FEET OF CLIFF EDGE.
3. IRRIGATION SHALL BE ADJUSTED TO PREVENT OVERTHROW INTO EXISTING NATIVE PLANT COMMUNITIES.
4. THERE IS THE POSSIBILITY OF ENCOUNTERING BURN ASH AND WASTE DURING CONSTRUCTION. CONTRACTOR SHALL ADHERE TO THE COMMUNITY HEALTH AND SAFETY PLAN AND SOIL MANAGEMENT PLAN.
5. SEE IMPROVEMENT PLANS FOR IMPROVEMENT DETAIL KEY LEGEND.

SEE SHEET 51 FOR IRRIGATION LEGEND AND SEE SHEET 50 FOR NOTES AND DETAILS.
SEE SPECIFICATIONS AND SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

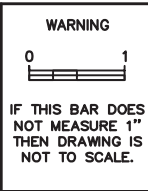


I-14

**PLANS FOR
SUNSET CLIFFS NATURAL PARK
HILLSIDE IMPROVEMENTS
IRRIGATION PLAN**

| | | | | |
|---|-----|----------|------|------------------------|
| CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 52 OF 78 SHEETS | | | | WBS _____ WBS _____ |
| APPROVED _____ | | | | SUBMITTED BY _____ |
| FOR CITY ENGINEER | | DATE | | PROJECT MANAGER |
| DESCRIPTION | BY | APPROVED | DATE | FILMED |
| ORIGINAL | ELP | [] | [] | [] |
| CONTRACTOR _____ | | | | PROJECT ENGINEER _____ |
| INSPECTOR _____ | | | | CCS27 COORDINATE _____ |
| DATE STARTED _____ | | | | CCS83 COORDINATE _____ |
| DATE COMPLETED _____ | | | | 36768-52-D |

| CONSTRUCTION CHANGE / ADDENDUM | | | |
|--------------------------------|------|---------------------------------|--------------|
| CHANGE | DATE | AFFECTED OR ADDED SHEET NUMBERS | APPROVAL NO. |
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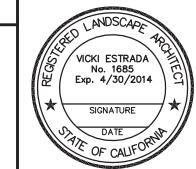
**CITY OF SAN DIEGO
PUBLIC WORKS PROJECT**



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Urban Design Landscape Architecture Computer Imaging

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San Diego, California 92101
619.236.0578 Fax
ELP@EstradaLandPlan.com



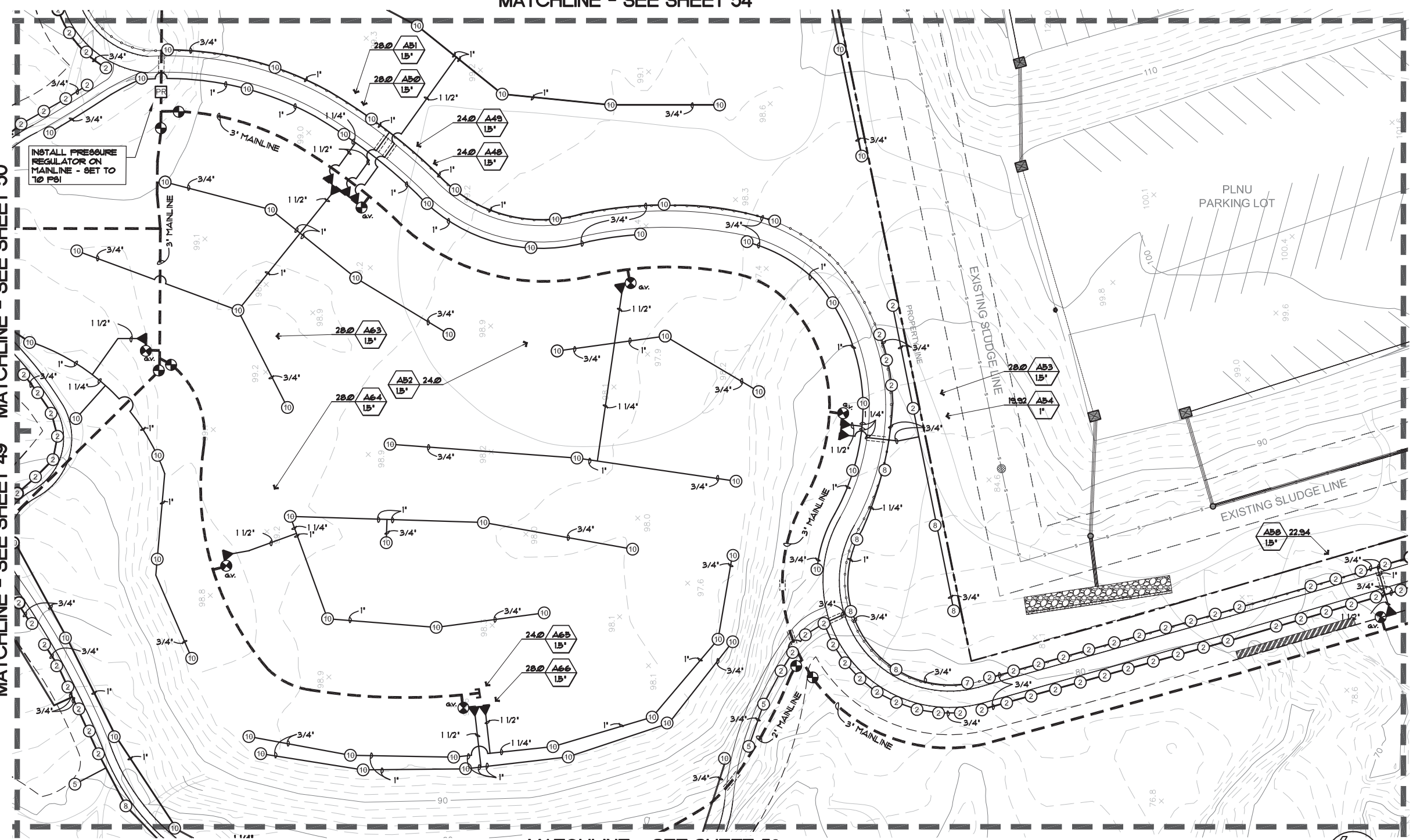
MATCHLINE - SEE SHEET 54

MATCHLINE - SEE SHEET 49

MATCHLINE - SEE SHEET 56

MATCHLINE - SEE SHEET 52

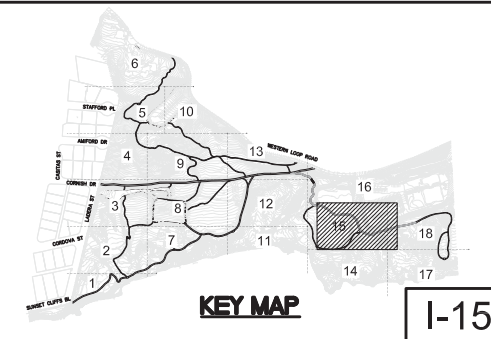
Drawing name: M:\Projects\100\12261-SunsetCliffs\100\1005\12261_1.dwg I-15 May 28, 2013 1:39pm by: cho77



INSTALL PRESSURE REGULATOR ON MAINLINE - SET TO 10 PSI

- NOTES:**
- FINAL IRRIGATION REQUIREMENTS SHALL BE DETERMINED BY THE RESTORATION BIOLOGIST.
 - IRRIGATION THROW SHALL BE ADJUSTED DOWN NEAR CLIFF EDGE TO PREVENT SPRAY WITHIN 2 FEET OF CLIFF EDGE.
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 - THERE IS THE POSSIBILITY OF ENCOUNTERING BURN ASH AND WASTE DURING CONSTRUCTION. CONTRACTOR SHALL ADHERE TO THE COMMUNITY HEALTH AND SAFETY PLAN AND SOIL MANAGEMENT PLAN.
 - SEE IMPROVEMENT PLANS FOR IMPROVEMENT DETAIL KEY LEGEND.

SEE SHEET 51 FOR IRRIGATION LEGEND AND SEE SHEET 58 FOR NOTES AND DETAILS.
SEE SPECIFICATIONS AND SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.



I-15

**PLANS FOR
SUNSET CLIFFS NATURAL PARK
HILLSIDE IMPROVEMENTS
IRRIGATION PLAN**

| | | | | |
|---|-----|----------|------|------------------|
| CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 53 OF 78 SHEETS | | | | WBS _____ |
| APPROVED: | | | | WBS _____ |
| FOR CITY ENGINEER | | DATE | | PROJECT MANAGER |
| DESCRIPTION | BY | APPROVED | DATE | FILMED |
| ORIGINAL | ELP | | | |
| CONTRACTOR _____ DATE STARTED _____ | | | | PROJECT ENGINEER |
| INSPECTOR _____ DATE COMPLETED _____ | | | | CC827 COORDINATE |
| | | | | CC883 COORDINATE |
| | | | | 36768-53-D |

| CONSTRUCTION CHANGE / ADDENDUM | | | |
|--------------------------------|------|---------------------------------|--------------|
| CHANGE | DATE | AFFECTED OR ADDED SHEET NUMBERS | APPROVAL NO. |
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WARNING

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

**CITY OF SAN DIEGO
PUBLIC WORKS PROJECT**



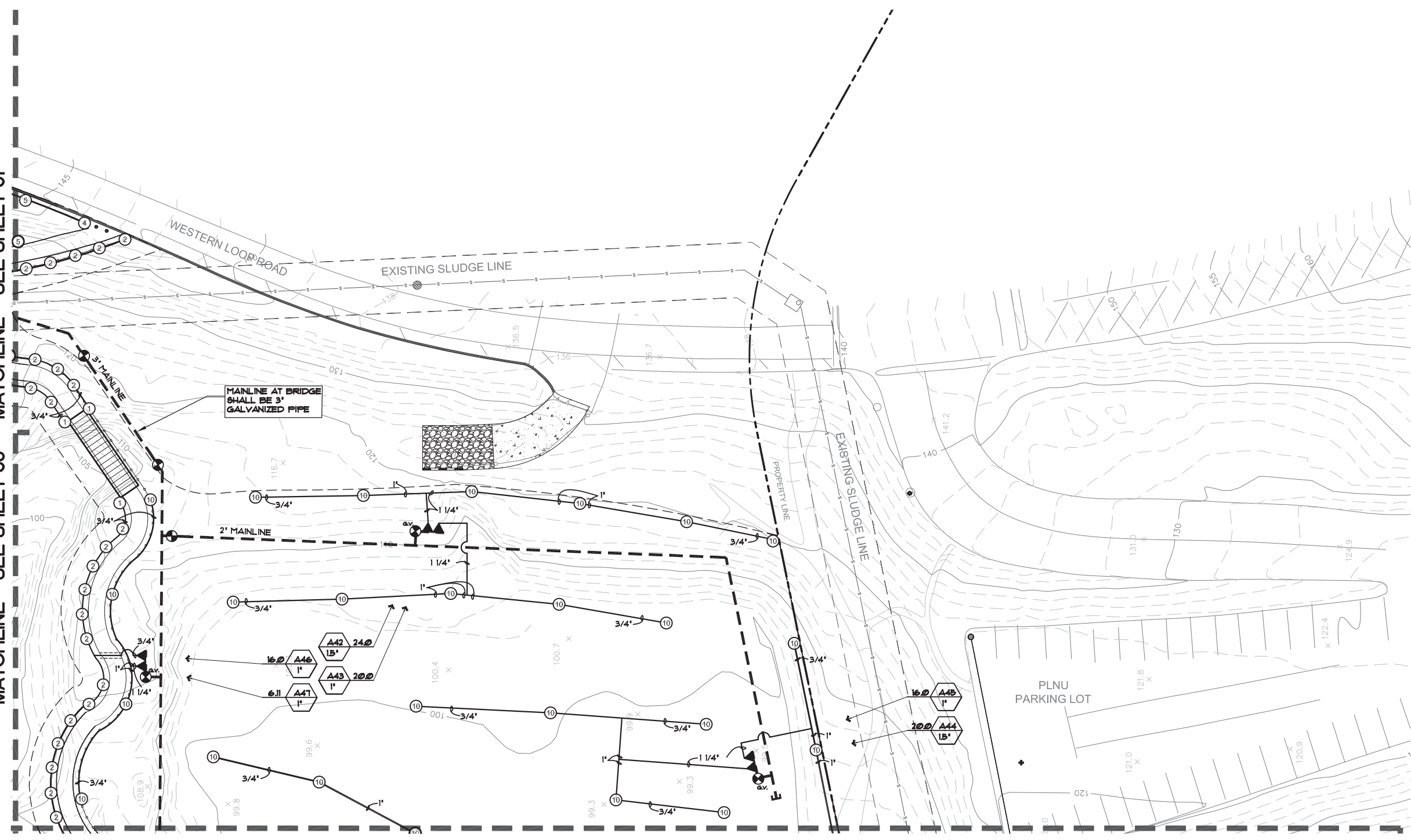
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225 Broadway, Suite 1160
San Diego, California 92101
619.236.0578 Fax
ELP@EstradaLandPlan.com

TEMPORARY BMP CONSTRUCTION SITE STORM WATER PRIORITY: HIGH _____ MEDIUM _____ LOW _____ SPEC. NO. _____

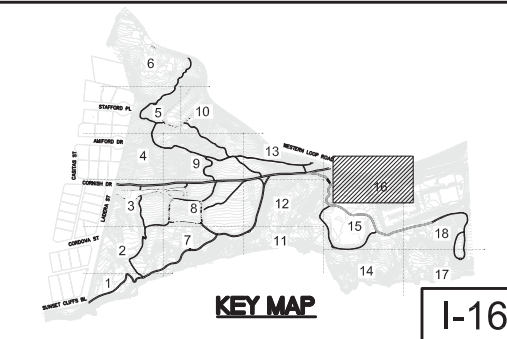
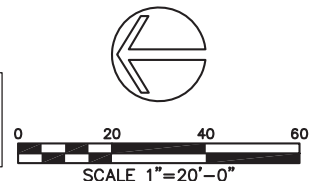
MATCHLINE - SEE SHEET 50 MATCHLINE - SEE SHEET 51



MATCHLINE - SEE SHEET 53

- NOTES:**
- FINAL IRRIGATION REQUIREMENTS SHALL BE DETERMINED BY THE RESTORATION BIOLOGIST.
 - IRRIGATION THROW SHALL BE ADJUSTED DOWN NEAR CLIFF EDGE TO PREVENT SPRAY WITHIN 2 FEET OF CLIFF EDGE.
 - IRRIGATION SHALL BE ADJUSTED TO PREVENT OVERTHROW INTO EXISTING NATIVE PLANT COMMUNITIES.
 - THERE IS THE POSSIBILITY OF ENCOUNTERING BURN ASH AND WASTE DURING CONSTRUCTION. CONTRACTOR SHALL ADHERE TO THE COMMUNITY HEALTH AND SAFETY PLAN AND SOIL MANAGEMENT PLAN.
 - SEE IMPROVEMENT PLANS FOR IMPROVEMENT DETAIL KEY LEGEND.

SEE SHEET 51 FOR IRRIGATION LEGEND AND SEE SHEET 50 FOR NOTES AND DETAILS.
SEE SPECIFICATIONS AND SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.



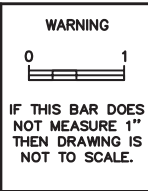
I-16

**PLANS FOR
SUNSET CLIFFS NATURAL PARK
HILLSIDE IMPROVEMENTS
IRRIGATION PLAN**

| | | | | |
|---|-----|----------|------|-------------------|
| CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 54 OF 78 SHEETS | | | | WBS _____ |
| APPROVED: _____ | | | | WBS _____ |
| FOR CITY ENGINEER | | DATE | | PROJECT MANAGER |
| DESCRIPTION | BY | APPROVED | DATE | FILMED |
| ORIGINAL | ELP | | | |
| CONTRACTOR _____ DATE STARTED _____ | | | | PROJECT ENGINEER |
| INSPECTOR _____ DATE COMPLETED _____ | | | | CC827 COORDINATE |
| | | | | CC883 COORDINATE |
| | | | | 36768-54-D |

Drawing name: M:\Projects\100\12261-SunsetCliffs\100\10054\12261_1.dwg I-16 May 29, 2013 1:40pm by: cho77

| CONSTRUCTION CHANGE / ADDENDUM | | | |
|--------------------------------|------|---------------------------------|--------------|
| CHANGE | DATE | AFFECTED OR ADDED SHEET NUMBERS | APPROVAL NO. |
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**CITY OF SAN DIEGO
PUBLIC WORKS PROJECT**



CONSULTANT

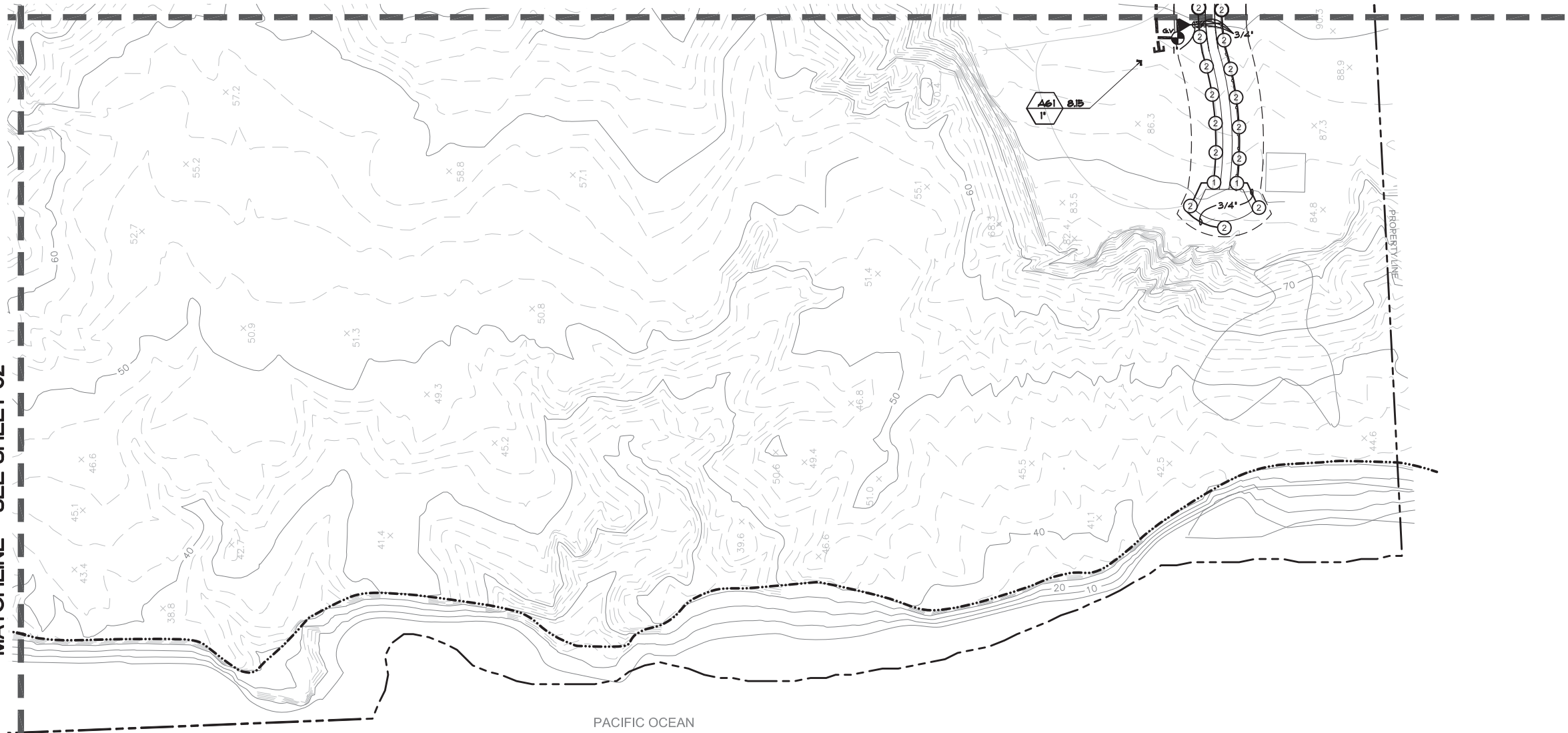
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225 Broadway, Suite 1160
San Diego, California 92101
619.236.0578 Fax
ELP@EstradaLandPlan.com



MATCHLINE - SEE SHEET 56

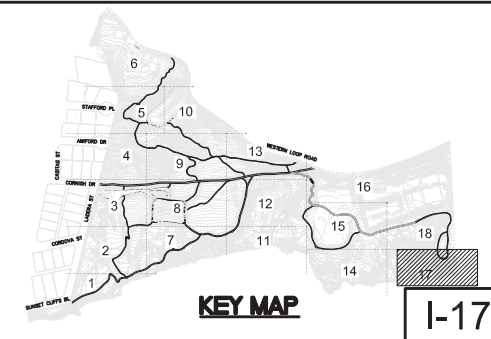
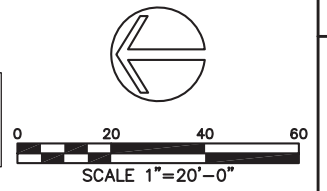
MATCHLINE - SEE SHEET 52



PACIFIC OCEAN

- NOTES:**
1. FINAL IRRIGATION REQUIREMENTS SHALL BE DETERMINED BY THE RESTORATION BIOLOGIST.
 2. IRRIGATION THROW SHALL BE ADJUSTED DOWN NEAR CLIFF EDGE TO PREVENT SPRAY WITHIN 2 FEET OF CLIFF EDGE.
 3. IRRIGATION SHALL BE ADJUSTED TO PREVENT OVERTHROW INTO EXISTING NATIVE PLANT COMMUNITIES.
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 5. SEE IMPROVEMENT PLANS FOR IMPROVEMENT DETAIL KEY LEGEND.

SEE SHEET 51 FOR IRRIGATION LEGEND AND SEE SHEET 58 FOR NOTES AND DETAILS.
SEE SPECIFICATIONS AND SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.



**PLANS FOR
SUNSET CLIFFS NATURAL PARK
HILLSIDE IMPROVEMENTS
IRRIGATION PLAN**

| | | |
|---|----------------|------------|
| CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 55 OF 78 SHEETS | | WBS _____ |
| APPROVED: _____ | | WBS _____ |
| FOR CITY ENGINEER | | DATE _____ |
| DESCRIPTION | BY | APPROVED |
| ORIGINAL | ELP | DATE |
| | | FILED |
| | | |
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| | | |
| CONTRACTOR | DATE STARTED | 36768-55-D |
| INSPECTOR | DATE COMPLETED | |

Drawing name: M:\Projects\100\12261-SunsetCliffs\ACAD\100Sub\12261.dwg I-17 May 28, 2013 1:40pm by: chio77

| CONSTRUCTION CHANGE / ADDENDUM | | | |
|--------------------------------|------|---------------------------------|--------------|
| CHANGE | DATE | AFFECTED OR ADDED SHEET NUMBERS | APPROVAL NO. |
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WARNING

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

**CITY OF SAN DIEGO
PUBLIC WORKS PROJECT**

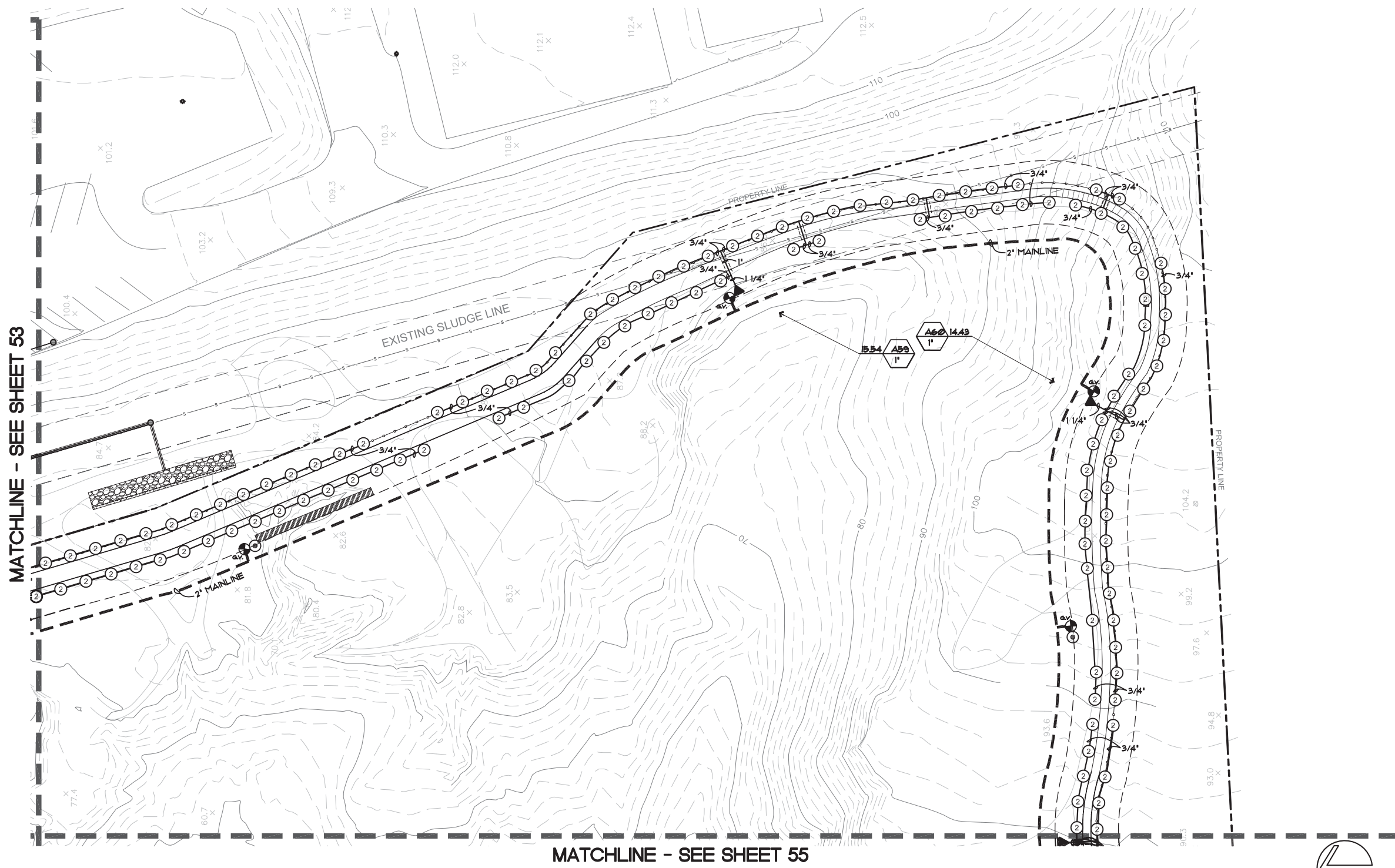


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225 Broadway, Suite 1160
San Diego, California 92101
619.236.0578 Fax
ELP@EstradaLandPlan.com



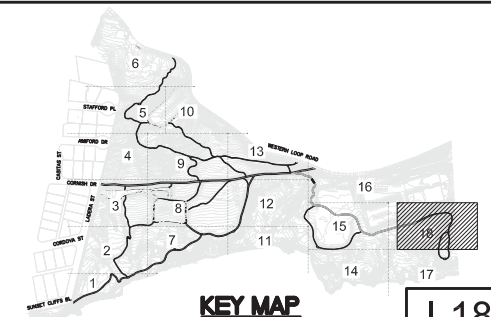


MATCHLINE - SEE SHEET 53

MATCHLINE - SEE SHEET 55

- NOTES:**
1. FINAL IRRIGATION REQUIREMENTS SHALL BE DETERMINED BY THE RESTORATION BIOLOGIST.
 2. IRRIGATION THROW SHALL BE ADJUSTED DOWN NEAR CLIFF EDGE TO PREVENT SPRAY WITHIN 2 FEET OF CLIFF EDGE.
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 5. SEE IMPROVEMENT PLANS FOR IMPROVEMENT DETAIL KEY LEGEND.

SEE SHEET 51 FOR IRRIGATION LEGEND AND SEE SHEET 50 FOR NOTES AND DETAILS.
SEE SPECIFICATIONS AND SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.



I-18

**PLANS FOR
SUNSET CLIFFS NATURAL PARK
HILLSIDE IMPROVEMENTS
IRRIGATION PLAN**

| | | | | |
|---|-----|----------------------|------|------------------------|
| CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 56 OF 78 SHEETS | | | | WBS _____ WBS _____ |
| APPROVED _____ | | | | SUBMITTED BY _____ |
| FOR CITY ENGINEER | | | DATE | |
| DESCRIPTION | BY | APPROVED | DATE | FILMED |
| ORIGINAL | ELP | | | |
| PROJECT MANAGER | | | | |
| PROJECT ENGINEER | | | | |
| CCS27 COORDINATE | | | | |
| CCS83 COORDINATE | | | | |
| CONTRACTOR _____ | | DATE STARTED _____ | | 36768-56-D |
| INSPECTOR _____ | | DATE COMPLETED _____ | | |

Drawing name: M:\Projects\100\12261-SunsetCliffs\100Sub\12261_L.dwg I-18 May 28, 2013 1:41pm by: ch077

| CONSTRUCTION CHANGE / ADDENDUM | | | |
|--------------------------------|------|---------------------------------|--------------|
| CHANGE | DATE | AFFECTED OR ADDED SHEET NUMBERS | APPROVAL NO. |
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WARNING

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

**CITY OF SAN DIEGO
PUBLIC WORKS PROJECT**



CONSULTANT

Estrada Land Planning
Urban Design Landscape Architecture Computer Imaging

619.236.0143
225 Broadway, Suite 1160
San Diego, California 92101
619.236.0578 Fax
ELP@EstradaLandPlan.com



IRRIGATION LEGEND

| SYMBOL | MFG. - IRRIGATION COMPONENT DESCRIPTION | MODEL/PART NO. | MAX. RAD. | PRECIP. RATE | PSI | GPM | DETAIL REF. |
|--------|---|--------------------------------------|-----------|--------------|-----|------|-----------------|
| ① | HUNTER MP ROTATOR ON 12' RISER | MF1000-30 (BODY=PRO6-12-FRS40-CV-R) | 14' | 0.50 | 40 | 0.19 | DETAIL A/8HT 51 |
| ② | HUNTER MP ROTATOR ON 12' RISER | MF1000-180 (BODY=PRO6-12-FRS40-CV-R) | 14' | 0.50 | 40 | 0.31 | DETAIL A/8HT 51 |
| ③ | HUNTER MP ROTATOR ON 12' RISER | MF1000-360 (BODY=PRO6-12-FRS40-CV-R) | 14' | 0.50 | 40 | 0.15 | DETAIL A/8HT 51 |
| ④ | HUNTER MP ROTATOR ON 12' RISER | MF2000-30 (BODY=PRO6-12-FRS40-CV-R) | 20' | 0.45 | 40 | 0.40 | DETAIL A/8HT 51 |
| ⑤ | HUNTER MP ROTATOR ON 12' RISER | MF2000-180 (BODY=PRO6-12-FRS40-CV-R) | 19' | 0.45 | 40 | 0.14 | DETAIL A/8HT 51 |
| ⑥ | HUNTER MP ROTATOR ON 12' RISER | MF2000-360 (BODY=PRO6-12-FRS40-CV-R) | 19' | 0.45 | 40 | 1.41 | DETAIL A/8HT 51 |
| ⑦ | HUNTER MP ROTATOR ON 12' RISER | MF3000-30 (BODY=PRO6-12-FRS40-CV-R) | 30' | 0.45 | 40 | 0.86 | DETAIL A/8HT 51 |
| ⑧ | HUNTER MP ROTATOR ON 12' RISER | MF3000-180 (BODY=PRO6-12-FRS40-CV-R) | 30' | 0.45 | 40 | 1.82 | DETAIL A/8HT 51 |
| ⑨ | HUNTER MP ROTATOR ON 12' RISER | MF3000-360 (BODY=PRO6-12-FRS40-CV-R) | 30' | 0.45 | 40 | 3.64 | DETAIL A/8HT 51 |
| ⑩ | HUNTER ROTOR ON 12' RISER | 1-20-40 | 40' | 0.56 | 50 | 4.0 | DETAIL A/8HT 51 |

| SYMBOL | IRRIGATION COMPONENT DESCRIPTION | MFG. | MODEL/PART NO. | REMARKS | DETAIL REF. |
|-----------|--|-----------------|--|---|--------------------------|
| ★ | POINT OF CONNECTION | --- | --- | CONNECT TO EXISTING WATER CONTRACTOR TO VERIFY SIZE AND PRESSURE IN FIELD | --- |
| ⊗ | REDUCED PRESSURE BACKFLOW PREVENTER | FEBCO | 825Y, 1 1/2' SIZE | INSTALL PER CITY OF SAN DIEGO REQUIREMENTS | SDR8D 8DU-155 |
| □ | BACKFLOW PREVENTER ENCLOSURE | STRONG BOX | 8BB6-3088 | STAINLESS STEEL, VANDAL RESISTANT BACKFLOW ENCLOSURE, FREE OF BURRS AND SHARP EDGES, VERIFY SIZE TO ACCOMMODATE BACKFLOW PREVENTER. | SDR8D 8DU-155 |
| M | EXISTING WATER METER W/ EXISTING SERVICE | --- | --- | --- | --- |
| ☑ | SOLAR POWERED, TWO-WIRE CONTROLLER | HUNTER | ACC-99D W/FLOW SENSOR | INSTALL PER DETAIL AND MANUFACTURER'S INSTRUCTIONS | D 4 E/8HT 51 |
| ⊙ | RAIN SENSOR AUTOMATIC RAIN-SHUT OFF DEVICE | WCS | RAIN GUARD W/RGVR-8 | RAIN SENSOR SHALL BE INSTALLED IN A STAINLESS STEEL, VANDAL RESISTANT ENCLOSURE ON THE EXTERIOR OF THE CONTROLLER ENCLOSURE. | --- |
| M | MASTER VALVE | SUPERIOR | MODEL 3300 | 1-1/2", NORMALLY CLOSED | SDR8D 8DI-111 |
| FS | FLOW SENSOR | DATA INDUSTRIAL | 220P, 612E 1 1/2" | INSTALL IN VALVE BOX PER DETAIL | C/ 8HT 51 |
| PR | PRESSURE REGULATOR | WILKINS | 500 HRY8BR 1 1/2", 8" SPRING RANGE: 15-125 | INSTALL IN VALVE BOX DOWNSTREAM OF BACKFLOW PREVENTER ASSEMBLY | --- |
| ⊙ | QUICK COUPLING VALVE | NELSON | 716-45, 1" SIZE | ISOLATE FROM MAIN WITH 1" GLOBE VALVE | SDR8D 8DI-105 |
| G.V. | GLOBE VALVE (MANUAL VALVE) | NIBCO | T-235-Y | 1" SIZE FOR QUICK COUPLING VALVE. THE SAME SIZE AS THE LARGEST REMOTE CONTROL VALVE IN MANIFOLD. | SDR8D 8DI-106 4 8DI-107 |
| ▲ | IRRIGATION REMOTE CONTROL VALVE (R.C.V.) | RAINBIRD | 100 FEB SERIES 150 FEB SERIES | INSTALL IN VALVE BOX | SDR8D 8DI-125 4 F/8HT 51 |
| NO SYMBOL | ANTI-DRAIN / CHECK VALVE | HUNTER | HCV | INSTALL AT LOWEST SPRINKLER HEAD IN EACH SYSTEM. | --- |
| — — — — | MAIN LINE (PRESSURE) | --- | UVR-PVC SCH. 40 PIPE | ON-GRADE, MAINLINES SHALL BE SECURED TO SLOPES EVERY 10'. MAINLINES SHALL BE INSTALLED IN SLEEVES 2X PIPE SIZE UNDER PAVING AND TRAILS. | SDR8D 8DI-120 4 8DI-123 |
| — — — — | IRRIGATION LATERAL LINE PIPE (NON-PRESSURE) | --- | UVR-PVC SCH. 40 PIPE | ON-GRADE, LATERALS SHALL BE SECURED TO SLOPES EVERY 10' | SDR8D 8DI-120 4 8DI-123 |
| — — — — | IRRIGATION PIPE/CONTROL WIRE SLEEVE | --- | SCH. 40 PVC | MIN. 2X DIAM. OF PIPE BEING SLEEVED. MIN. 2" FOR WIRE | G/8HT 51 |
| NO SYMBOL | IRRIGATION ELECTRICAL FULL BOX | BROOKS SHL | CONCRETE FULL BOX | ALL SPLICES SHALL OCCUR IN FULL BOX OR CONTROL VALVE BOXES | SDR8D 8DI-115 |
| NO SYMBOL | DIRECT BURIAL IRRIGATION ELECTRICAL CONTROL WIRE | HUNTER | IDWIRE2 - COLOR CODED DECODER WIRE | CONTROL WIRES SHALL BE TAPED TO THE MAINLINE. CONTROL WIRE SHALL BE INSTALLED IN MIN. 2" DIA. SCH. 40 PVC SLEEVE UNDER PAVING AND TRAILS. | --- |

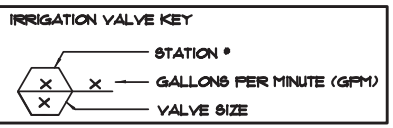
SUPPLEMENTAL IRRIGATION SPECIFICATIONS

- GENERAL:** ALL MATERIALS AND EQUIPMENT USED IN SPRINKLER IRRIGATION WORK SHALL BE NEW AND WITHOUT FLAWS OR DEFECTS AND OF QUALITY AND PERFORMANCE AS SPECIFIED. PRIOR TO INSTALLATION OF ANY IRRIGATION WORK, THE CONTRACTOR SHALL SUBMIT FOR APPROVAL BY THE CITY A LIST OF ALL PROPOSED MATERIALS AND EQUIPMENT. SHOULD THE CONTRACTOR PROPOSE TO USE MATERIAL(S) OR EQUIPMENT OTHER THAN THOSE AS LISTED AS 'APPROVED', THE CONTRACTOR SHALL SUBMIT IN WRITING, TO THE CITY, A REQUEST TO DEVIATE FROM THE APPROVED LIST. SAMPLES OF THE MATERIAL(S) OR EQUIPMENT SHOULD ACCOMPANY THE REQUEST TO ASSIST IN THE EVALUATION OF THE PROPOSED SUBSTITUTION. THE BURDEN OF PROOF SHALL BE BORNE BY THE CONTRACTOR.
- MAIN LINE PIPE CONNECTIONS:** SHALL BE MADE HORIZONTALLY PER STANDARD DRAWINGS.
- PIPE THRUST BLOCKS:** ALL PRESSURE PIPE 4" AND SMALLER, POLYVINYL CHLORIDE OR ASBESTOS CEMENT, SHALL HAVE THE CORRECT SIZED CONCRETE THRUST BLOCK INSTALLED AT EVERY ABRUPT CHANGE OF ALIGNMENT, AT GLOBE OR GATE VALVES, AT TEES, ELBOWS AND CROSSES, AND AT ENDS OF PIPE RUNS; OR WHEREVER THE FIELD ENGINEER DEEMS ONE TO BE NECESSARY. THRUST BLOCKS ARE TO BE INSTALLED AS PER STANDARD DRAWINGS SDR8D 8DU-151, SIZED AS FOR 4" PIPE.
- PIPE SLEEVES:** SHALL BE SCH. 40 PVC, TWO TIMES THE PIPE SIZE DIAMETER, AND EXTEND 12" BEYOND EACH SIDE OF PAVEMENT. THE LETTERS 'E' FOR ELECTRICAL OR 'W' FOR WATER SHALL BE STAMPED OR CHISELED ON THE PAVEMENT DIRECTLY ABOVE THE SLEEVE.
- TRENCH MARKER TAPE FOR ALL PRESSURE PIPE:** SHALL HAVE A CONTINUOUS BLUE COLORED TRENCH MARKER METALLIC TAPE PLACED 9" - 12" BELOW FINISHED GRADE AND DIRECTLY ABOVE THE BURIED PIPE.
- SAND ENCASUREMENT FOR PIPES:** FOR ALL IRRIGATION PIPE, DIRECT BURIAL CONTROL WIRE AND ELECTRICAL CONDUIT: SHALL BE FLASTER OR MORTAR SAND, AS PER SECTION 200 OF THE GREENBOOK, WITH A MINIMUM SAND EQUIVALENT OF 50.
- REMOTE CONTROL VALVE BOXES:** SHALL BE CONCRETE WITH A CAST IRON LOCKING LID. THE CONTRACTOR SHALL PAINT THE IDENTIFICATION NUMBER ON THE VALVE BOX. THE PAINT SHALL BE WHITE OR YELLOW 100% ACRYLIC EPOXY WATERPROOF PAINT. IN ADDITION, WEATHERPROOF PLASTIC IDENTIFICATION TAGS SHALL BE AFFIXED TO THE COLORED CONDUCTOR IN THE VALVE BOX.
- VALVE BOX LOCKING LIDS:** THE CONTRACTOR SHALL REWORK THE LOCKING TOGGLES OF THE CONCRETE VALVE BOXES BY REPLACING THE EXISTING CLEVELAND PIN AND SHEET METAL CLIP WITH A MARINE-TYPE STAINLESS STEEL MACHINE BOLT AND SELF-LOCKING UNIT. APPLY OIL TO LUBRICATE AND TO PREVENT RUST.
- ANTI-DRAIN/EXCESS-FLOW VALVE:** SHALL BE INSTALLED UNDER EACH SPRINKLER HEAD (AS AN ANTI-GEYSER DEVICE AS WELL AS A LOW HEAD ANTI-DRAIN VALVE).
- PIPE SLEEVE LOCKING CAP FOR GLOBE VALVES:** SHALL BE PER STANDARD DRAWING I-13, WEATHERMATIC 906-L LOCKING CAP GLUED TO FIT 2" DIAMETER SCH. 40 PVC PIPE.
- MULTIPLE CONTROLLER INSTALLATIONS:** ENCLOSURES SHALL BE SIZED ACCORDINGLY, NO 110 VOLT WIRE RUNS SHALL PASS FROM CONTROLLER CABINET TO CABINET. EACH CONTROLLER SHALL HAVE A SEPARATE ELECTRICAL SERVICE THROUGH A RACEWAY. PROVIDE ONE POWER OFF-ON SWITCH FOR EACH CONTROLLER.
- DIRECT BURIAL DECODER CONTROL WIRES:** SHALL BE SOLID COPPER 600-VOLT, TYPE UF, CONFORMING TO THE GREENBOOK, WHITEBOOK, THE STANDARD DRAWINGS AND THE FOLLOWING WIRE COLORS AND INSTALLATION REQUIREMENTS.
DECODER WIRES: SHALL BE DIRECT BURIAL, COLOR-CODED, TWISTED PAIR IDWIRE.
WIRE PATHS: CONTROLLER MAY HAVE UP TO 6 DIFFERENT WIRE PATHS TO MAKE THE MOST EFFICIENT USE OF WIRE.
LOT WIRES: 14AWG (UP TO 10,000 FT.) 12 AWG (UP TO 15,000FT.) USE AS MANY AS NECESSARY.

- PATH NO.**
- GRAY JACKET
 - PURPLE JACKET
 - YELLOW JACKET
 - ORANGE JACKET
 - BLUE JACKET
 - TAN JACKET

NOTES:

- CONTRACTOR SHALL BE RESPONSIBLE TO INSTALL ANTI-DRAIN VALVES, AS REQUIRED, TO PREVENT LOW HEADS DRAINAGE.
- CONTRACTOR SHALL BE RESPONSIBLE TO INSTALL PCS SCREEN TO ALL SPRAY HEADS TO PREVENT OVERSPRAY.
- S.D.R.D. = SAN DIEGO REGIONAL STANDARD DRAWINGS, LATEST EDITION.



- WIRE CONNECTIONS:** DECODER WIRES SHALL BE INSTALLED WITH A 2' COILED EXCESS WIRE LENGTH AT EACH END ENCLOSURE. EACH AND EVERY WIRE SPLICE SHALL BE SOLDERED TOGETHER (USING 60-40 SOLDER), THEN ENCASED IN THE WATERPROOF EPOXY CONNECTORS. WIRE SPLICES SHALL BE MADE ONLY IN VALVE OR FULL BOXES. USED DRI-SPLICE 100 CONNECTORS FILLED WITH DRI-SPLICE 300 EPOXY, OR APPROVED EQUAL.
- WIRE BUNDLES:** EACH INDIVIDUAL CONTROLLER CLOCK'S CONTROL WIRES SHALL BE BUNDLED AND TAPED TOGETHER WITH COLORED TAPE AT INTERVALS NOT EXCEEDING 10'. CONTROLLER IDENTIFICATION TAPE COLORS SHALL BE AS FOLLOWS: (USE AS MANY AS NECESSARY).

| CONTROLLER | COLOR |
|------------|-------|
| 'A' | BLACK |
| 'B' | RED |

- WIRES IN FULL BOXES:** SHALL BE LOOSE AND SHALL NOT COME WITHIN 3" FROM LID. BOXES SHALL BE SIZED ACCORDINGLY TO ACCOMMODATE THIS REQUIREMENT.
- TRENCH MARKER TAPE FOR WIRES:** ALL DIRECT BURIAL WIRES SHALL BE MARKED WITH A CONTINUOUS RED COLORED TRENCH MARKER PLASTIC TAPE PLACED 9" TO 12" BELOW FINISHED GRADE AND DIRECTLY ABOVE THE BURIED WIRES. TAPE SHALL BE 3" WIDE ONLY WHERE WIRES AND NOT MAINLINE OCCUR.
- WIRE TESTING:** SHALL BE TESTED FOR CONTINUITY, OPEN CIRCUITS, AND UNINTENTIONAL GROUND'S PRIOR TO CONNECTING TO EQUIPMENT. ANY WIRING THAT IS DEFECTIVE SHALL BE REPLACED, AT THE CONTRACTOR'S EXPENSE.
- GUARANTEE:** THE CONTRACTOR'S GUARANTEE SHALL CONSIST OF SECTION 308-1 OF THE GREENBOOK AND THE FOLLOWING:
THE ENTIRE IRRIGATION SYSTEM SHALL BE GUARANTEED AGAINST DEFECTS IN MATERIALS AND WORKMANSHIP FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF ACCEPTANCE OF WORK. SHOULD THE CONTRACTOR FAIL DURING THE GUARANTEE PERIOD TO EXPEDITIOUSLY CORRECT A DEFECT UPON WRITTEN NOTIFICATION BY THE CITY, THE CITY SHALL CAUSE THE WORK TO BE CORRECTED AND BILL THE ACTUAL COSTS INCURRED TO THE CONTRACTOR. DEFECT CORRECTIONS SHALL INCLUDE THE COMPLETE RESTORATION OF EXISTING IMPROVEMENTS THAT WERE DAMAGED AS A RESULT OF THE DEFECT.
- AS-BUILT IRRIGATION PLANS:** A REDUCED COPY OF THE APPROVED AS-BUILT IRRIGATION PLAN(S), COLOR CODED BY STATIONS AND LAMINATED IN PLASTIC, SHALL BE PROVIDED TO THE MAINTENANCE PERSONNEL AT THE TIME OF THE FINAL ACCEPTANCE.

IL-1

PLANS FOR SUNSET CLIFFS NATURAL PARK HILLSIDE IMPROVEMENTS IRRIGATION LEGEND AND NOTES

CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING AND CAPITAL PROJECTS DEPARTMENT
SHEET 57 OF 78 SHEETS

WBS _____
WBS _____

FOR CITY ENGINEER: _____ DATE: _____ PROJECT MANAGER: _____

DESCRIPTION BY APPROVED DATE FILMED PROJECT ENGINEER: _____

ORIGINAL ELP _____ CCS27 COORDINATE: _____

CONTRACTOR _____ DATE STARTED _____ INSPECTOR _____ DATE COMPLETED _____ CCS83 COORDINATE: _____

36768- 57 -D

TEMPORARY BMP CONSTRUCTION SITE STORM WATER PRIORITY: HIGH _____ MEDIUM _____ LOW _____ SPEC. NO. _____

CONSULTANT

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Urban Design Landscape Architecture Computer Imaging

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ELP@EstradaLandPlan.com

Drawing name: M:\Projects\10012261-SunsetCliffs\1005a\12261_IL1.dwg IL-1 May 29, 2013 1:42pm by: c6b77

CONSTRUCTION CHANGE / ADDENDUM

| CHANGE | DATE | AFFECTED OR ADDED SHEET NUMBERS | APPROVAL NO. |
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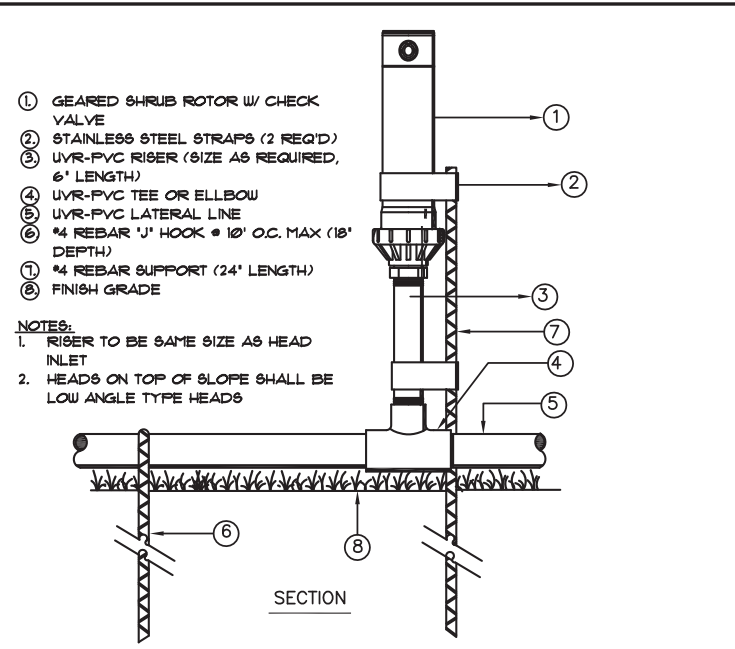
WARNING

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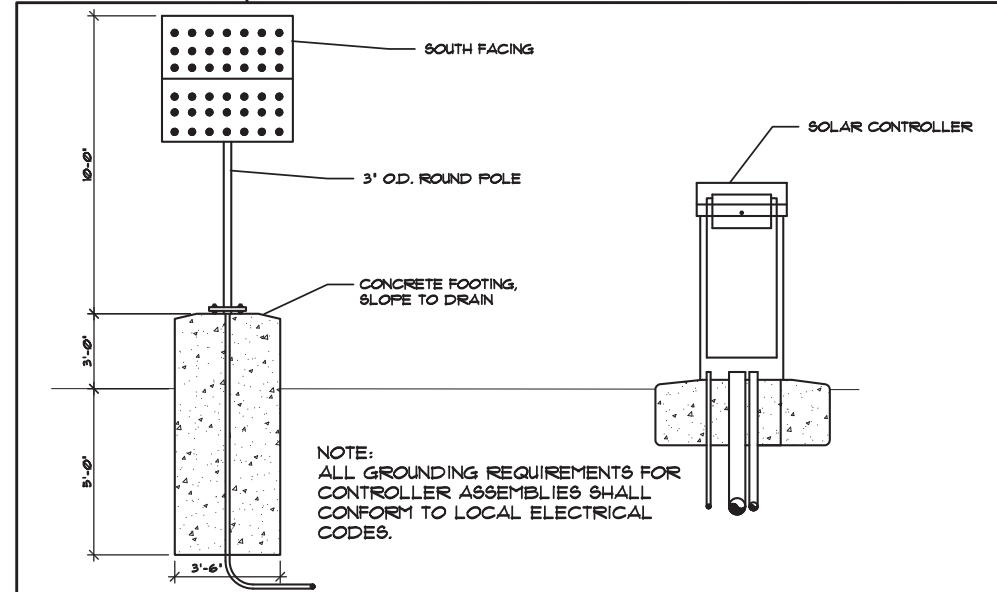
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CITY OF SAN DIEGO PUBLIC WORKS PROJECT

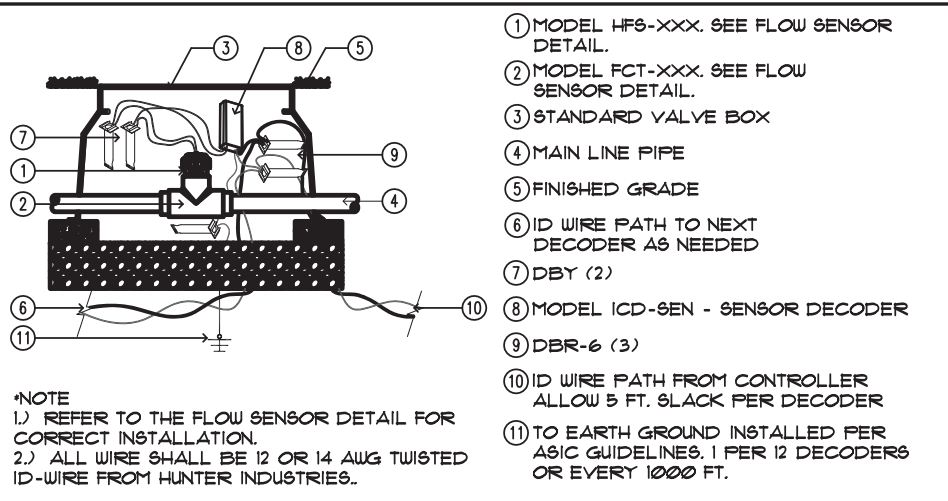




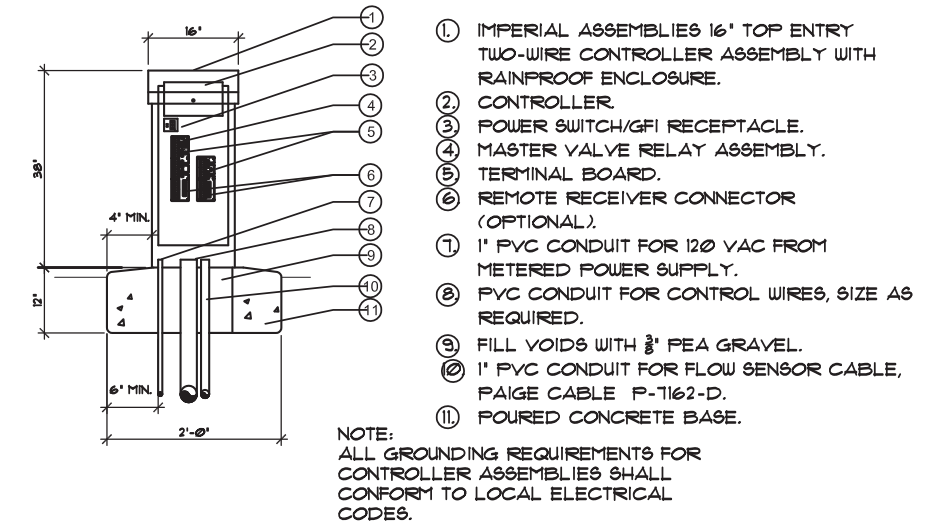
A ROTOR HEAD ON GRADE SCALE: N.T.S.



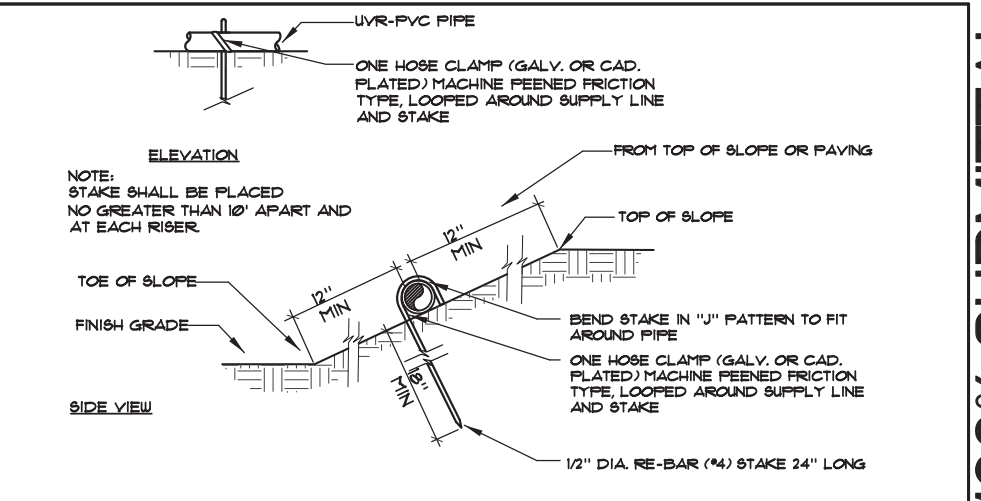
D POLE MOUNT SOLAR PANEL
IMPERIAL TECHNICAL SERVICES SCALE: N.T.S.



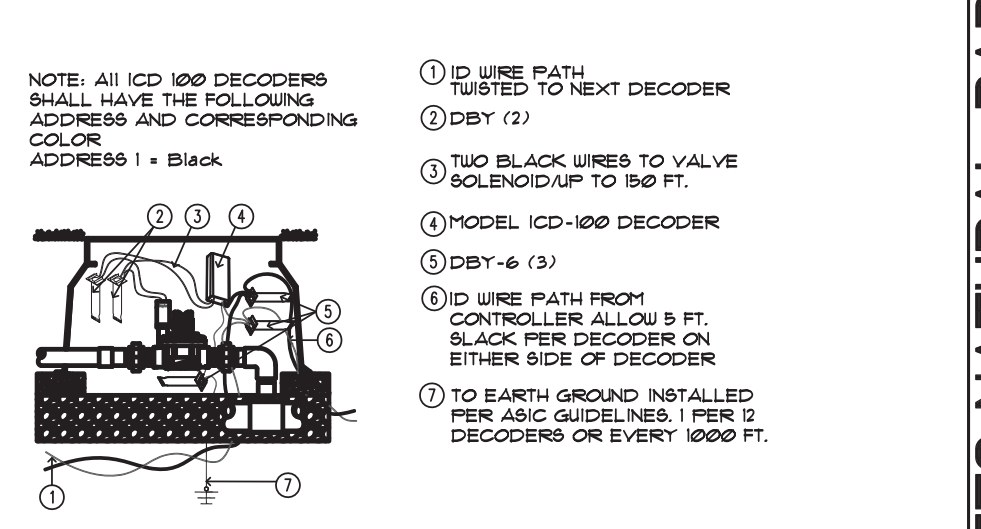
B FLOW SENSOR DECODER DETAIL SCALE: N.T.S.



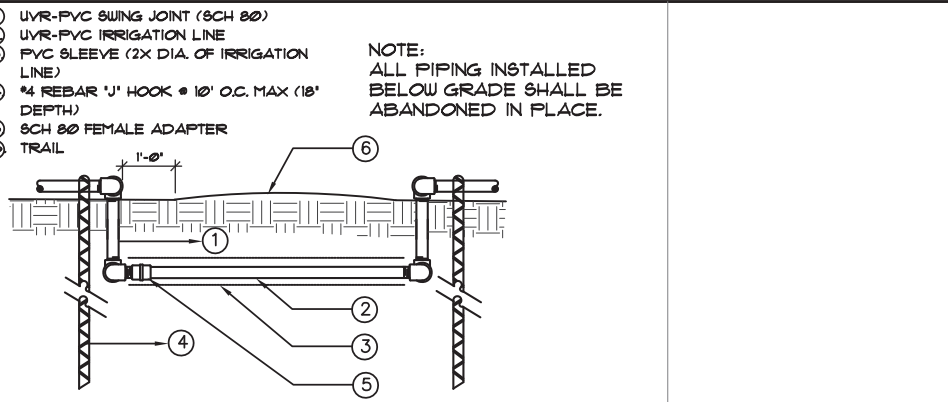
E TWO-WIRE CONTROLLER (ICA6 SERIES) W/STAINLESS STEEL PEDESTAL SCALE: N.T.S.



C STAKING OF PIPE ABOVE GROUND PIPE INSTALLATIONS SCALE: N.T.S.



F ICD 100 DECODER SCALE: N.T.S.



G SLEEVE UNDER PATH SCALE: N.T.S.

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| CONSTRUCTION CHANGE / ADDENDUM | | | |
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CITY OF SAN DIEGO
PUBLIC WORKS PROJECT



TEMPORARY BMP CONSTRUCTION SITE STORM WATER PRIORITY: HIGH MEDIUM LOW SPEC. NO.

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PLANS FOR
SUNSET CLIFFS NATURAL PARK
HILLSIDE IMPROVEMENTS
IRRIGATION DETAILS

| CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 58 OF 78 SHEETS | | WBS _____ WBS _____ | | | | | | | | | | | | | | | | | | |
|---|-----|------------------------|------|-----------------|--|-----------------|-------------|----|----------|------|--------|----------|-----|--|--|--|--|------------------|------------------|------------------|
| <table border="1"> <thead> <tr> <th colspan="2">FOR CITY ENGINEER</th> <th colspan="2">DATE</th> <th>PROJECT MANAGER</th> </tr> <tr> <th>DESCRIPTION</th> <th>BY</th> <th>APPROVED</th> <th>DATE</th> <th>FILMED</th> </tr> </thead> <tbody> <tr> <td>ORIGINAL</td> <td>ELP</td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table> | | FOR CITY ENGINEER | | DATE | | PROJECT MANAGER | DESCRIPTION | BY | APPROVED | DATE | FILMED | ORIGINAL | ELP | | | | <table border="1"> <tr> <td>PROJECT ENGINEER</td> </tr> <tr> <td>CC827 COORDINATE</td> </tr> <tr> <td>CC883 COORDINATE</td> </tr> </table> | PROJECT ENGINEER | CC827 COORDINATE | CC883 COORDINATE |
| FOR CITY ENGINEER | | DATE | | PROJECT MANAGER | | | | | | | | | | | | | | | | |
| DESCRIPTION | BY | APPROVED | DATE | FILMED | | | | | | | | | | | | | | | | |
| ORIGINAL | ELP | | | | | | | | | | | | | | | | | | | |
| PROJECT ENGINEER | | | | | | | | | | | | | | | | | | | | |
| CC827 COORDINATE | | | | | | | | | | | | | | | | | | | | |
| CC883 COORDINATE | | | | | | | | | | | | | | | | | | | | |
| CONTRACTOR _____ DATE STARTED _____ | | 36768-58-D | | | | | | | | | | | | | | | | | | |
| INSPECTOR _____ DATE COMPLETED _____ | | | | | | | | | | | | | | | | | | | | |

ID-1

MATCHLINE - SEE SHEET 60



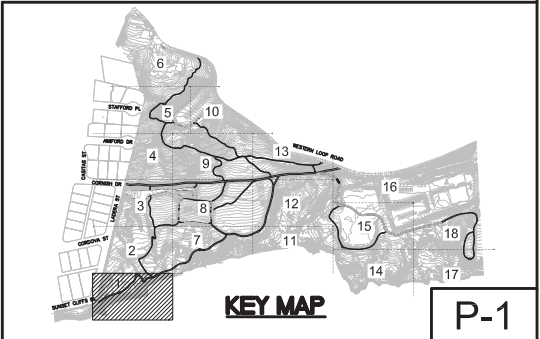
PLANTING NOTES
 ALL LANDSCAPING SHALL BE DONE IN ACCORDANCE WITH THE GENERAL PROVISIONS AND THE APPLICABLE PARTS OF SECTIONS 212 AND 308 OF THE 'GREEN BOOK', 2012, DOCUMENT NO. FITS01012-01 AND WITH THE CITY OF SAN DIEGO STANDARD SPECIFICATIONS FOR PUBLIC WORKS, 'WHITEBOOK', 2012, DOCUMENT NO. FITS01012-02, AS WELL AS THE FOLLOWING:

1. THESE PLANTING PLAN ARE INTENDED TO IMPLEMENT THE 'REVEGETATION PLAN FOR SUNSET CLIFFS NATURAL PARK, HILLSIDE SECTION IMPROVEMENTS PROJECT, SAN DIEGO, CA', DATED FEBRUARY 2012, REVISED JANUARY 2013.
2. THE PLANTING PLANS ARE DIAGRAMMATIC. MINOR ADJUSTMENTS IN PLANT LOCATIONS MAY BE MADE AT THE DISCRETION OF THE RESTORATION BIOLOGIST.
3. TRAILS WHICH ARE NOT USED ARE TO BE REVEGETATED.
4. PLANT AND/OR SEED QUANTITIES AND AREAS SHOWN ON DRAWINGS AND LEGENDS ARE FOR CONTRACTOR'S CONVENIENCE IN ESTIMATING ONLY. CONTRACTOR IS RESPONSIBLE FOR PROVIDING PLANT/SEED MATERIALS TO COVER ALL AREAS SHOWN ON PLANS.
5. DO NOT DAMAGE PLANT ROOTBALL DURING TRANSPORTATION OR PLANTING PROCESS.
6. ALL PLANT MATERIAL SHALL BE SUBJECT TO THE APPROVAL OF THE RESTORATION BIOLOGIST AND REPLACED UPON REQUEST BEFORE OR AFTER PLANTING.
7. RESTORATION BIOLOGIST SHALL APPROVE FINAL PLACEMENT OF ALL TREES AND SHRUBS PRIOR TO PLANTING.
8. ANY DISTURBED AREA 25 SQUARE FEET OR LARGER WILL HAVE NATIVE HYDROSEED ADDED TO THE AREA.
9. ALL PLANTS PLANTED FROM CONTAINERS SHALL HAVE THEIR ROOTBALLS SCORED WITH A SHARP TOOL TO A DEPTH OF ONE INCH IN THREE LONGITUDINAL INCISIONS AT LOCATIONS SPACED AROUND THE ROOTBALL BEFORE PLACING PLANT IN HOLE.
10. ALL TYING MATERIAL, NURSERY STAKES AND MARKING TAPES SHALL BE REMOVED AT THE TIME OF PLANTING.
11. ALL TREES SHALL BE SELF-SUPPORTING AND ERECTED IN A VERTICAL MANNER TO ASSURE THEIR VERTICALITY DURING THE LIFE OF THE CONTRACT AND MAINTENANCE PERIOD.
12. MINOR ADJUSTMENTS TO TREE LOCATIONS MAY BE REQUIRED BY THE RESTORATION BIOLOGIST TO ADAPT TO SITE CONDITIONS.
13. PREPARE SOIL PER SPECIFICATIONS.
14. ALL REVEGETATION AREAS SHALL BE WEED FREE PRIOR TO STARTING PLANTING AND SEEDING.
15. REMOVE ALL NON-NATIVE SPECIES AS IDENTIFIED BY RESTORATION BIOLOGIST. NATIVE PLANT COMMUNITIES SHALL BE PROTECTED IN PLACE.
16. A TEMPORARY, AUTOMATIC, LOW-FLOW, ON-GRADE IRRIGATION SYSTEM SHALL BE INSTALLED TO PROVIDE WATER FOR ALL CONTAINER PLANT MATERIAL.
17. IRRIGATION SYSTEM SHALL BE USED FOR 3-5 YEARS TO ALLOW NATIVE PLANT MATERIAL TO BECOME ESTABLISHED. AFTER THREE YEARS THE RESTORATION BIOLOGIST SHALL DECIDE IF ADDITIONAL IRRIGATION IS REQUIRED.
18. CITY OF SAN DIEGO PARK AND RECREATION DEPARTMENT SHALL BE RESPONSIBLE FOR LONG-TERM MAINTENANCE.
19. DEPENDING ON FUNDING, PROJECT MAY BE INSTALLED IN TWO PHASES AS SHOWN ON DRAWINGS. IF FUNDING IS AVAILABLE AT THE TIME OF CONSTRUCTION, PROJECT SHALL BE COMPLETED AS ONE PHASE.

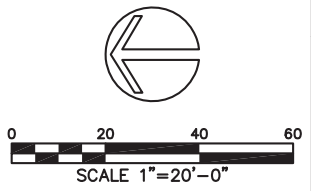
NOTES:

BRUSH MANAGEMENT ZONES SHALL BE MAINTAINED AND ADMINISTERED BY THE CITY OF SAN DIEGO PARK AND RECREATION DEPARTMENT, OPEN SPACE DIVISION CONSISTENT WITH SECTION 142.0412, BRUSH MANAGEMENT REGULATIONS, OF THE LAND DEVELOPMENT CODE AND SECTION III OF THE LAND DEVELOPMENT MANUAL FOR MAINTENANCE ISSUES OR SEASONAL RIGHT-OF-ENTRY PERMITS, CONTACT (619) 685-1350.

BURN ASH AND BURIED WASTE MIGHT BE ENCOUNTERED WHILE DIGGING HOLES FOR PLANTS. CONTRACTOR AND ALL EMPLOYEES SHALL FOLLOW PROTOCOL ON REPLACING THE WASTE IN THE HOLE WITH THE PLANT OR DIGGING A NEW HOLE IF ASH/WASTE IS ENCOUNTERED.



SEE SHEET 11 FOR PLANTING LEGEND AND SEE SHEET 18 FOR PLANTING NOTES AND DETAILS.
 SEE SPECIFICATIONS AND SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.



TEMPORARY BMP CONSTRUCTION SITE STORM WATER PRIORITY: HIGH _____ MEDIUM _____ LOW _____ SPEC. NO.

CONSULTANT

Estrada Land Planning
 Urban Design Landscape Architecture Computer Imaging

619.236.0143
 225 Broadway, Suite 1160
 San Diego, California 92101
 619.236.0578 Fax
 ELP@EstradaLandPlan.com



**PLANS FOR
 SUNSET CLIFFS NATURAL PARK
 HILLSIDE IMPROVEMENTS
 PLANTING PLAN**

CITY OF SAN DIEGO, CALIFORNIA
 ENGINEERING AND CAPITAL PROJECTS DEPARTMENT
 SHEET 59 OF 78 SHEETS

WBS _____
 WBS _____

APPROVED FOR CITY ENGINEER _____ DATE _____ PROJECT MANAGER _____

| DESCRIPTION | BY | APPROVED | DATE | FILMED |
|-------------|-----|----------|------|--------|
| ORIGINAL | ELP | | | |

PROJECT ENGINEER _____
 CCS27 COORDINATE _____
 CCS83 COORDINATE _____

CONTRACTOR _____ DATE STARTED _____
 INSPECTOR _____ DATE COMPLETED _____

36768- 59 -D

Drawing name: M:\Projects\100\12261-SunsetCliffs\A00\10050a\12261_P-1.dwg P-1 May 29, 2013 1:49pm by: chn77

| CONSTRUCTION CHANGE / ADDENDUM | | | |
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| CHANGE | DATE | AFFECTED OR ADDED SHEET NUMBERS | APPROVAL NO. |
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WARNING

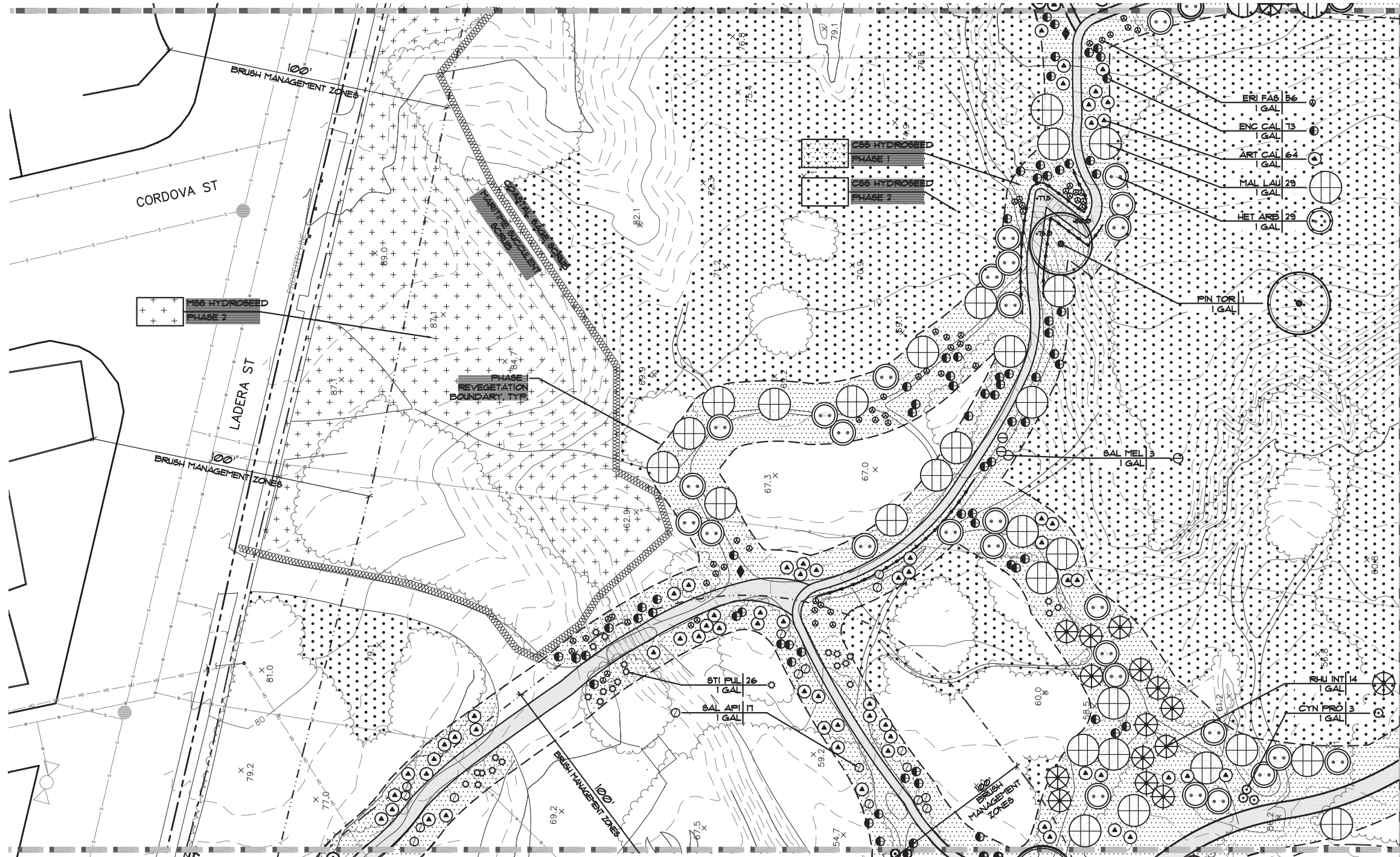
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

**CITY OF SAN DIEGO
 PUBLIC WORKS PROJECT**



SUNSET CLIFFS NATURAL PARK 100% SUBMITTAL

MATCHLINE - SEE SHEET 61



MATCHLINE - SEE SHEET 65

PLANTING NOTES
 ALL LANDSCAPING SHALL BE DONE IN ACCORDANCE WITH THE GENERAL PROVISIONS AND THE APPLICABLE PARTS OF SECTIONS 212 AND 302 OF THE 'GREEN BOOK', 2012, DOCUMENT NO. P178071012-21 AND WITH THE CITY OF SAN DIEGO STANDARD SPECIFICATIONS FOR PUBLIC WORKS, 'WHITEBOOK', 2012, DOCUMENT NO. P178071012-22, AS WELL AS THE FOLLOWING:

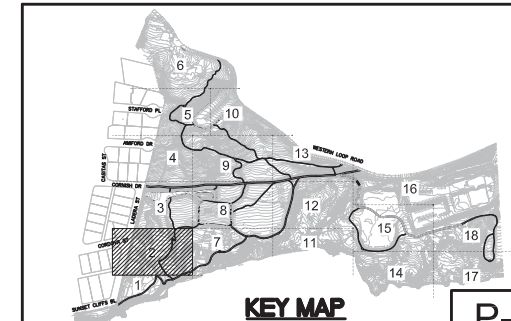
- THESE PLANTING PLANS ARE INTENDED TO IMPLEMENT THE 'REVEGETATION PLAN FOR SUNSET CLIFFS NATURAL PARK, HILLSIDE SECTION IMPROVEMENTS PROJECT, SAN DIEGO, CA', DATED FEBRUARY 2012, REVISED JANUARY 2013.
- THE PLANTING PLANS ARE DIAGNOSTIC. MINOR ADJUSTMENTS IN PLANT LOCATIONS MAY BE MADE AT THE DISCRETION OF THE RESTORATION BIOLOGIST.
- TRAILS WHICH ARE NOT USED ARE TO BE REVEGETATED.
- PLANT AND/OR SEED QUANTITIES AND AREAS SHOWN ON DRAWINGS AND LEGENDS ARE FOR CONTRACTOR'S CONVENIENCE IN ESTIMATING ONLY. CONTRACTOR IS RESPONSIBLE FOR PROVIDING PLANT/SEED MATERIALS TO COVER ALL AREAS SHOWN ON PLANS.
- DO NOT DAMAGE PLANT ROOTBALL DURING TRANSPORTATION OR PLANTING PROCESSES.
- ALL PLANT MATERIAL SHALL BE SUBJECT TO THE APPROVAL OF THE RESTORATION BIOLOGIST AND REPLACED UPON REQUEST BEFORE OR AFTER PLANTING.
- RESTORATION BIOLOGIST SHALL APPROVE FINAL PLACEMENT OF ALL TREES AND SHRUBS PRIOR TO PLANTING.
- ANY DISTURBED AREA 25 SQUARE FEET OR LARGER WILL HAVE NATIVE HYDROSEED ADDED TO THE AREA.
- ALL PLANTS PLANTED FROM CONTAINERS SHALL HAVE THEIR ROOTBALLS SCORED WITH A SHARP TOOL TO A DEPTH OF ONE INCH IN THREE LONGITUDINAL INCISIONS AT LOCATIONS SPACED AROUND THE ROOTBALL BEFORE PLACING PLANT IN HOLE.
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- IRRIGATION SYSTEM SHALL BE USED FOR 3-5 YEARS TO ALLOW NATIVE PLANT MATERIAL TO BECOME ESTABLISHED. AFTER THREE YEARS THE RESTORATION BIOLOGIST SHALL DECIDE IF ADDITIONAL IRRIGATION IS REQUIRED.
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NOTES:

BRUSH MANAGEMENT ZONES SHALL BE MAINTAINED AND ADMINISTERED BY THE CITY OF SAN DIEGO PARK AND RECREATION DEPARTMENT, OPEN SPACE DIVISION CONSISTENT WITH SECTION 142.0412, BRUSH MANAGEMENT REGULATIONS, OF THE LAND DEVELOPMENT CODE AND SECTION III OF THE LAND DEVELOPMENT MANUAL FOR MAINTENANCE ISSUES OR SEASONAL RIGHT-OF-ENTRY PERMITS, CONTACT (619) 685-1350.

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MATCHLINE - SEE SHEET 59



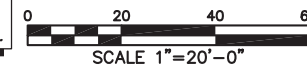
P-2

**PLANS FOR
 SUNSET CLIFFS NATURAL PARK
 HILLSIDE IMPROVEMENTS
 PLANTING PLAN**

CITY OF SAN DIEGO, CALIFORNIA
 ENGINEERING AND CAPITAL PROJECTS DEPARTMENT
 SHEET 60 OF 78 SHEETS

| | | | | |
|-------------|----------------|-------------------|------|------------------|
| APPROVED | DATE | FOR CITY ENGINEER | DATE | PROJECT MANAGER |
| DESCRIPTION | BY | APPROVED | DATE | FILMED |
| ORIGINAL | ELP | | | |
| | | | | PROJECT ENGINEER |
| | | | | CC827 COORDINATE |
| | | | | CC883 COORDINATE |
| CONTRACTOR | DATE STARTED | | | 36768-60-D |
| INSPECTOR | DATE COMPLETED | | | |

SEE SHEET 11 FOR PLANTING LEGEND AND
 SEE SHEET 18 FOR PLANTING NOTES AND DETAILS.
 SEE SPECIFICATIONS AND SPECIAL PROVISIONS
 FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

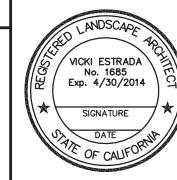


TEMPORARY BMP CONSTRUCTION SITE STORM WATER PRIORITY: HIGH _____ MEDIUM _____ LOW _____ SPEC. NO.

CONSULTANT

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Drawing name: M:\Projects\10012261-SunsetCliffs\A001\005sub\12261_P-2.dwg P-2 May 29, 2013 1:51pm by: cmo77

CONSTRUCTION CHANGE / ADDENDUM

| CHANGE | DATE | AFFECTED OR ADDED SHEET NUMBERS | APPROVAL NO. |
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WARNING

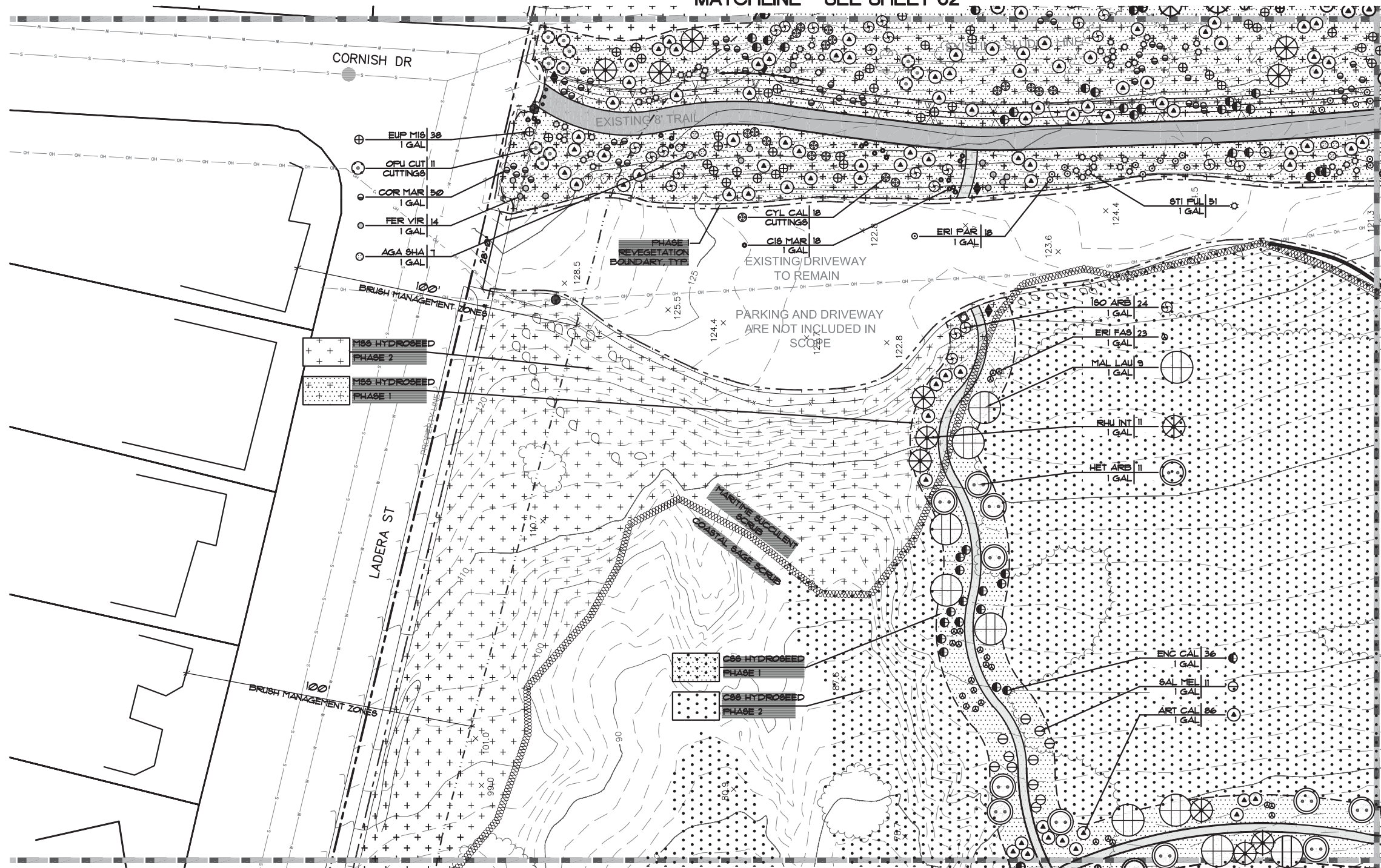
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

**CITY OF SAN DIEGO
 PUBLIC WORKS PROJECT**



SUNSET CLIFFS NATURAL PARK 100% SUBMITTAL

MATCHLINE - SEE SHEET 62



MATCHLINE - SEE SHEET 66

PLANTING NOTES
 ALL LANDSCAPING SHALL BE DONE IN ACCORDANCE WITH THE GENERAL PROVISIONS AND THE APPLICABLE PARTS OF SECTIONS 212 AND 308 OF THE 'GREEN BOOK', 2012, DOCUMENT NO. P17807012-01 AND WITH THE CITY OF SAN DIEGO STANDARD SPECIFICATIONS FOR PUBLIC WORKS, 'WHITEBOOK', 2012, DOCUMENT NO. P17807012-02, AS WELL AS THE FOLLOWING:

1. THESE PLANTING PLAN ARE INTENDED TO IMPLEMENT THE 'REVEGETATION PLAN FOR SUNSET CLIFFS NATURAL PARK, HILLSIDE SECTION IMPROVEMENTS PROJECT, SAN DIEGO, CA', DATED FEBRUARY 2012, REVISED JANUARY 2013.
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19. DEPENDING ON FUNDING, PROJECT MAY BE INSTALLED IN TWO PHASES AS SHOWN ON DRAWINGS. IF FUNDING IS AVAILABLE AT THE TIME OF CONSTRUCTION, PROJECT SHALL BE COMPLETED AS ONE PHASE.

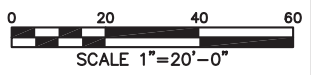
NOTES:

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MATCHLINE - SEE SHEET 60

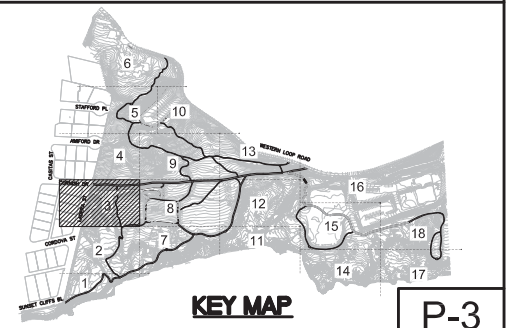
SEE SHEET 11 FOR PLANTING LEGEND AND SEE SHEET 18 FOR PLANTING NOTES AND DETAILS.
 SEE SPECIFICATIONS AND SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.



TEMPORARY BMP CONSTRUCTION SITE STORM WATER PRIORITY: HIGH _____ MEDIUM _____ LOW _____ SPEC. NO. _____

CONSULTANT

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 Urban Design Landscape Architecture Computer Imaging
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 San Diego, California 92101
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 ELP@EstradaLandPlan.com



KEY MAP

P-3

**PLANS FOR
 SUNSET CLIFFS NATURAL PARK
 HILLSIDE IMPROVEMENTS
 PLANTING PLAN**

| | | | | |
|---|-----|----------|------|------------------------|
| CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 61 OF 78 SHEETS | | | | WBS _____ |
| APPROVED _____ | | | | SUBMITTED BY _____ |
| FOR CITY ENGINEER | | DATE | | PROJECT MANAGER |
| DESCRIPTION | BY | APPROVED | DATE | FILMED |
| ORIGINAL | ELP | | | |
| CONTRACTOR _____ DATE STARTED _____ | | | | PROJECT ENGINEER _____ |
| INSPECTOR _____ DATE COMPLETED _____ | | | | CC827 COORDINATE _____ |
| | | | | CC883 COORDINATE _____ |
| | | | | 36768- 61 -D |

Drawing name: M:\Projects\10012261-SunsetCliffs\1005Sub\12261_P-3.dwg P-3 May 29, 2013 1:52pm by: chn77

CONSTRUCTION CHANGE / ADDENDUM

| CHANGE | DATE | AFFECTED OR ADDED SHEET NUMBERS | APPROVAL NO. |
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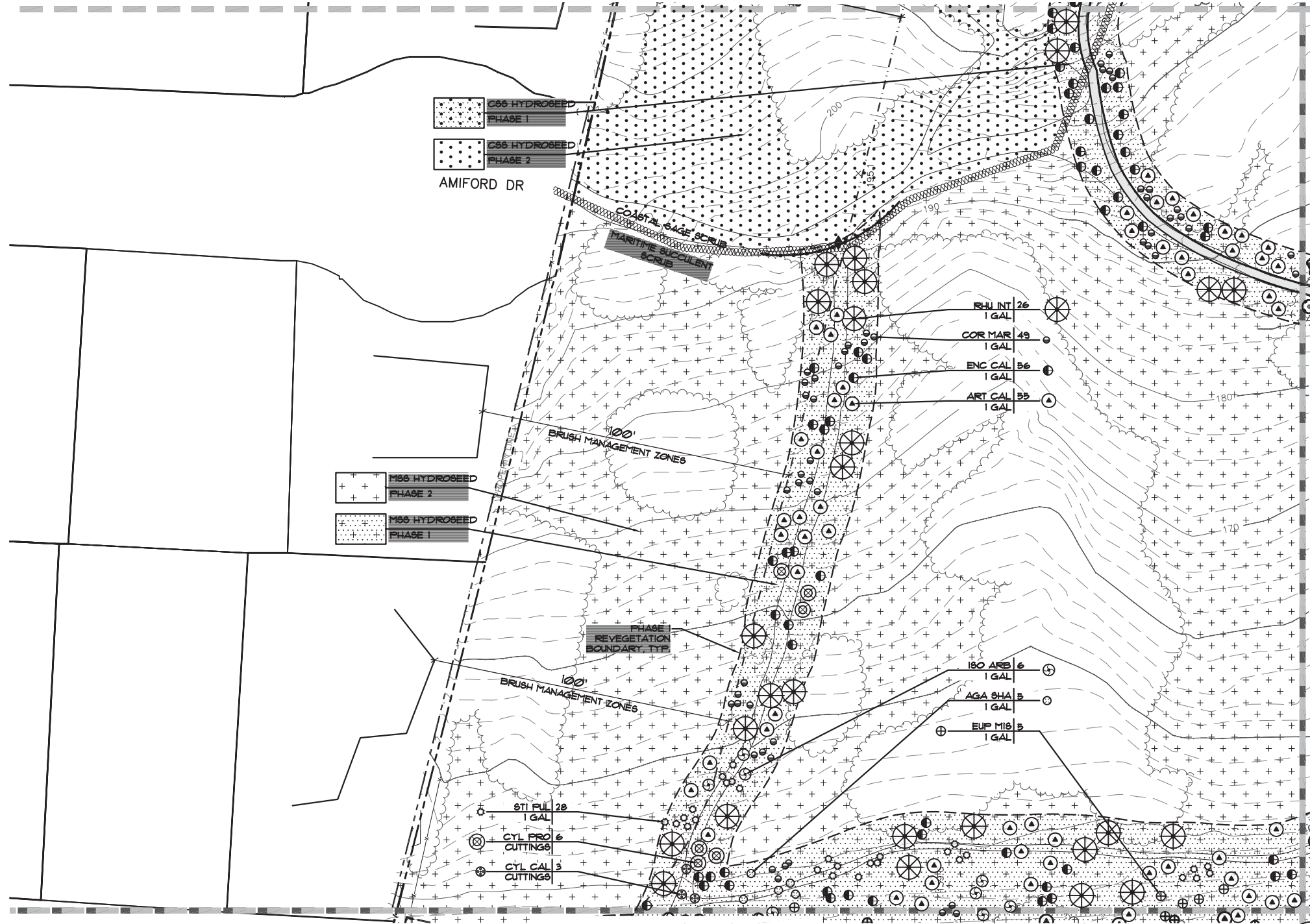
 IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

**CITY OF SAN DIEGO
 PUBLIC WORKS PROJECT**



SUNSET CLIFFS NATURAL PARK 100% SUBMITTAL

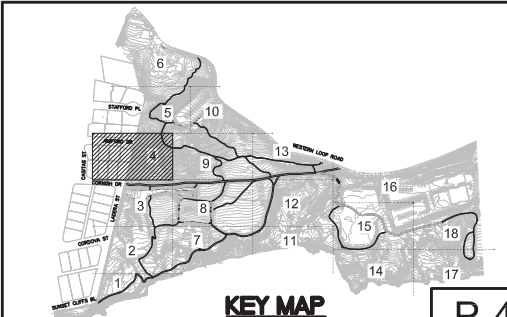
MATCHLINE - SEE SHEET 63



MATCHLINE - SEE SHEET 67

PLANTING NOTES
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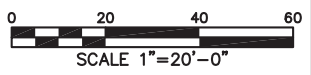
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P-4

NOTES:
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TEMPORARY BMP CONSTRUCTION SITE STORM WATER PRIORITY: HIGH _____ MEDIUM _____ LOW _____ SPEC. NO.

CONSULTANT

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**PLANS FOR
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 HILLSIDE IMPROVEMENTS
 PLANTING PLAN**

| | | |
|---|-----|------------------------|
| CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 62 OF 78 SHEETS | | WBS _____ WBS _____ |
| APPROVED _____ | | SUBMITTED BY _____ |
| FOR CITY ENGINEER | | PROJECT MANAGER |
| DESCRIPTION | BY | DATE |
| ORIGINAL | ELP | APPROVED |
| | | DATE |
| | | FILMED |
| CONTRACTOR _____ | | PROJECT ENGINEER _____ |
| INSPECTOR _____ | | CC827 COORDINATE _____ |
| DATE STARTED _____ | | CC883 COORDINATE _____ |
| DATE COMPLETED _____ | | 36768-62-D |

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| CONSTRUCTION CHANGE / ADDENDUM | | | |
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| CHANGE | DATE | AFFECTED OR ADDED SHEET NUMBERS | APPROVAL NO. |
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WARNING

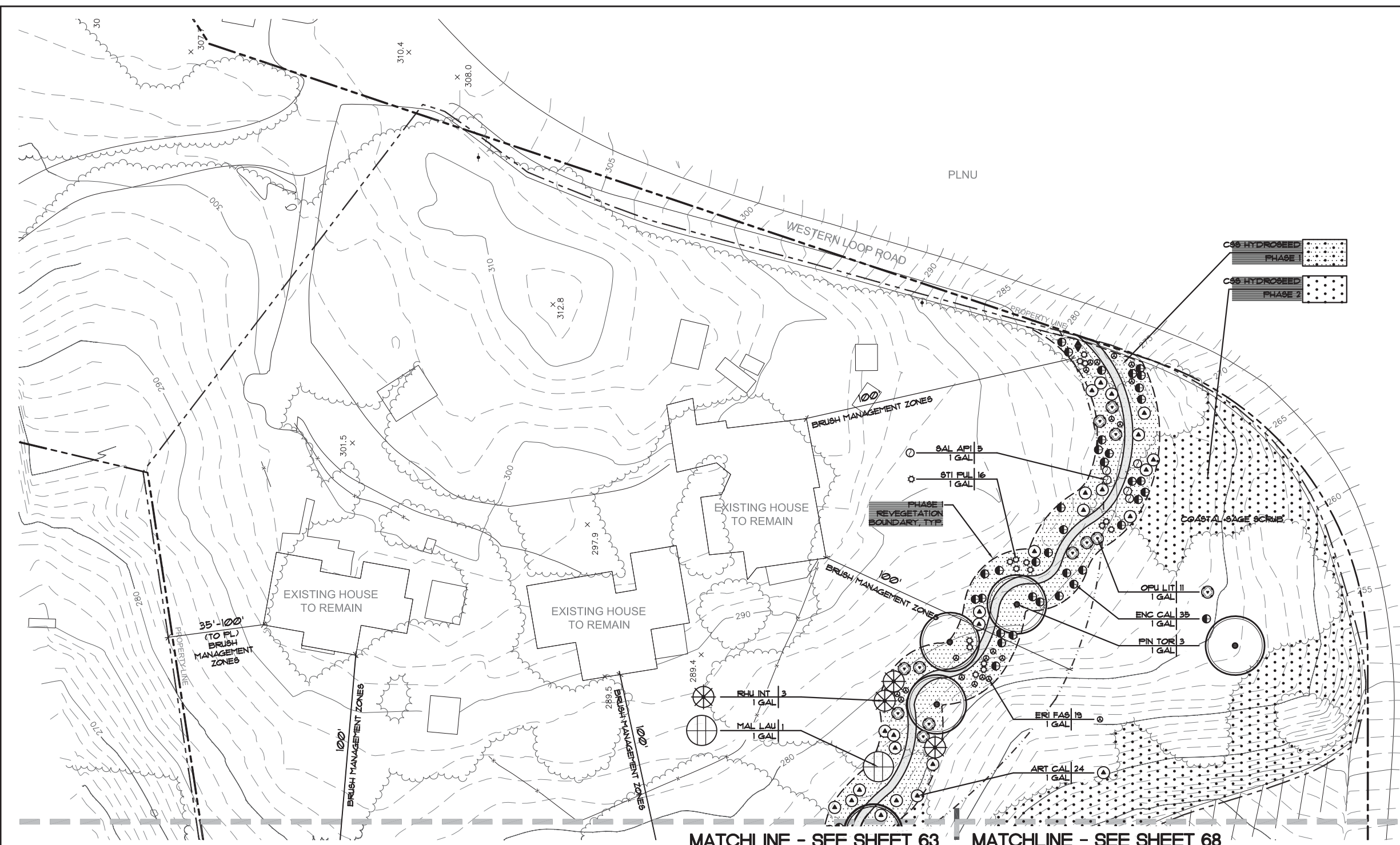
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IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

**CITY OF SAN DIEGO
 PUBLIC WORKS PROJECT**

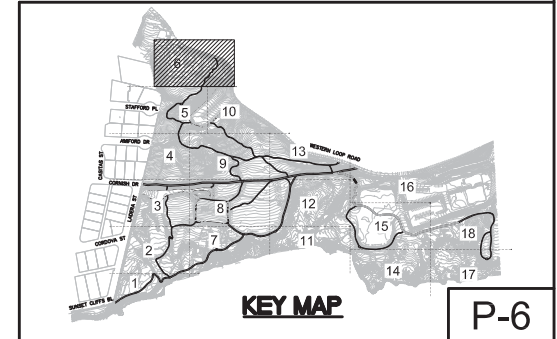


SUNSET CLIFFS NATURAL PARK 100% SUBMITTAL



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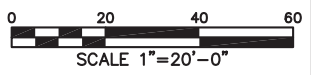
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MATCHLINE - SEE SHEET 63 | MATCHLINE - SEE SHEET 68

SEE SHEET 11 FOR PLANTING LEGEND AND
 SEE SHEET 18 FOR PLANTING NOTES AND DETAILS.
 SEE SPECIFICATIONS AND SPECIAL PROVISIONS
 FOR ADDITIONAL INFORMATION AND REQUIREMENTS.



TEMPORARY BMP CONSTRUCTION SITE STORM WATER PRIORITY: HIGH _____ MEDIUM _____ LOW _____ SPEC. NO.

CONSULTANT

Estrada Land Planning
 Urban Design Landscape Architecture Computer Imaging

619.236.0143
 225 Broadway, Suite 1160
 San Diego, California 92101
 619.236.0578 Fax
 ELP@EstradaLandPlan.com




| CONSTRUCTION CHANGE / ADDENDUM | | | |
|--------------------------------|------|---------------------------------|--------------|
| CHANGE | DATE | AFFECTED OR ADDED SHEET NUMBERS | APPROVAL NO. |
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WARNING

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IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

**CITY OF SAN DIEGO
 PUBLIC WORKS PROJECT**



**PLANS FOR
 SUNSET CLIFFS NATURAL PARK
 HILLSIDE IMPROVEMENTS
 PLANTING PLAN**

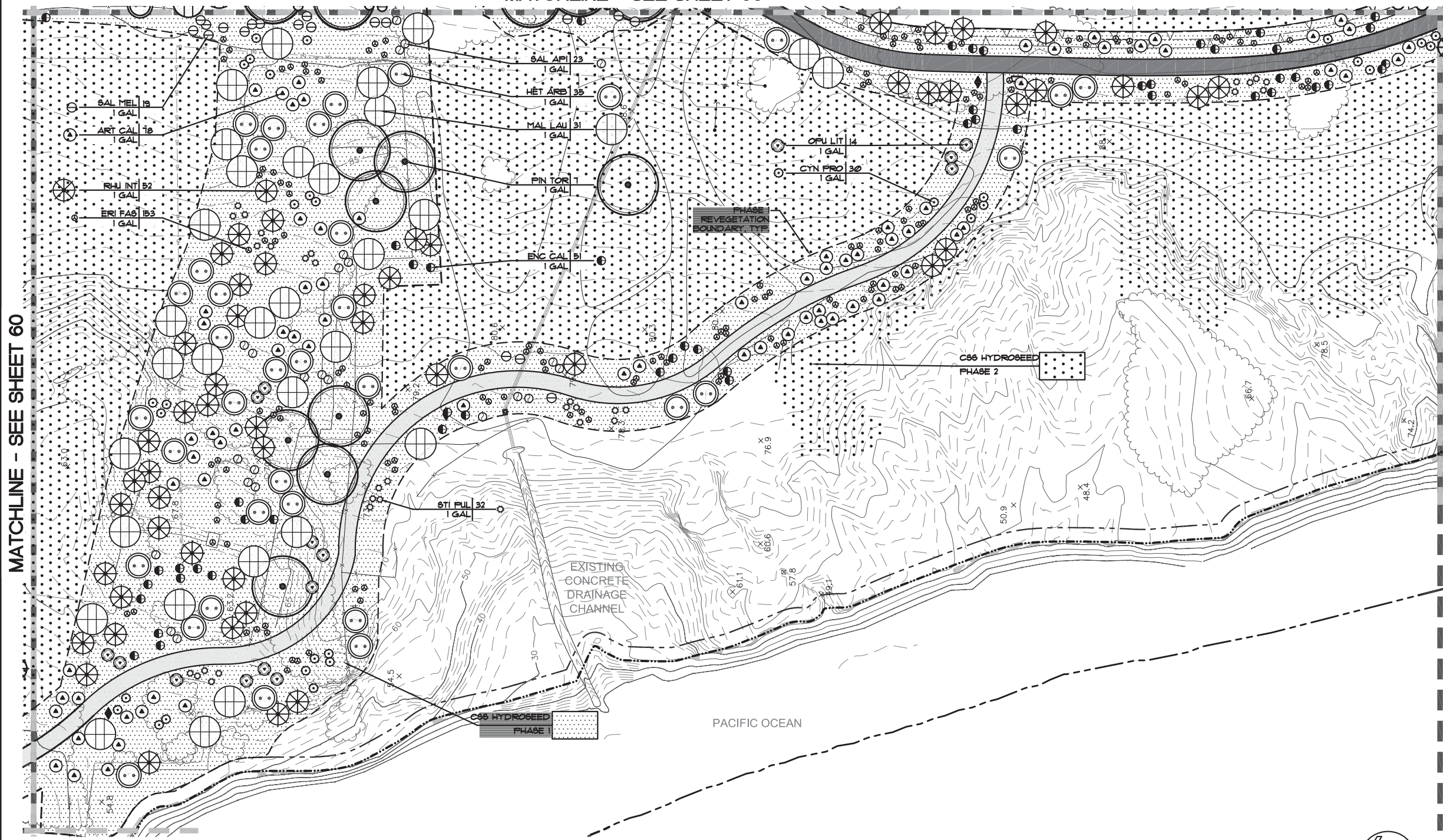
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| CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 64 OF 78 SHEETS | | | | WBS _____ |
| APPROVED _____ | | | | SUBMITTED BY _____ |
| FOR CITY ENGINEER | | DATE | | PROJECT MANAGER |
| DESCRIPTION | BY | APPROVED | DATE | FILMED |
| ORIGINAL | ELP | | | |
| | | | | PROJECT ENGINEER |
| | | | | CC827 COORDINATE |
| | | | | CC883 COORDINATE |
| CONTRACTOR _____ | DATE STARTED _____ | | | 36768-64-D |
| INSPECTOR _____ | DATE COMPLETED _____ | | | |

Drawing name: M:\Projects\10012261-SunsetCliffs\A001\1005a\12261_P-6.mxd P-6 May 29, 2013 2:00pm by: cbo77

MATCHLINE - SEE SHEET 66

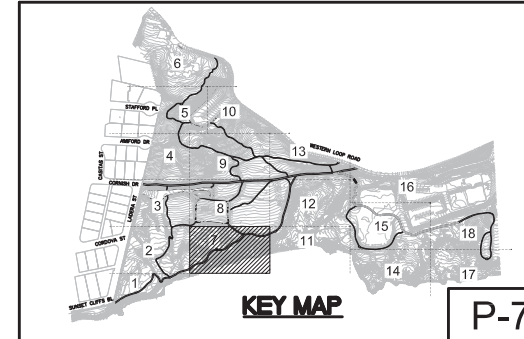
MATCHLINE - SEE SHEET 60

MATCHLINE - SEE SHEET 69



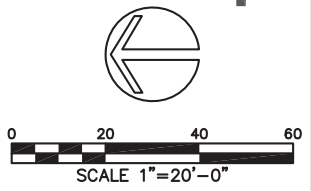
PLANTING NOTES
 ALL LANDSCAPING SHALL BE DONE IN ACCORDANCE WITH THE GENERAL PROVISIONS AND THE APPLICABLE PARTS OF SECTIONS 212 AND 308 OF THE 'GREEN BOOK', 2012, DOCUMENT NO. P178071012-01 AND WITH THE CITY OF SAN DIEGO STANDARD SPECIFICATIONS FOR PUBLIC WORKS, 'WHITEBOOK', 2012, DOCUMENT NO. P178071012-02, AS WELL AS THE FOLLOWING:

1. THESE PLANTING PLAN ARE INTENDED TO IMPLEMENT THE 'REVEGETATION PLAN FOR SUNSET CLIFFS NATURAL PARK HILLSIDE SECTION IMPROVEMENTS PROJECT, SAN DIEGO, CA', DATED FEBRUARY 2012, REVISED JANUARY 2013.
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 3. TRAILS WHICH ARE NOT USED ARE TO BE REVEGETATED.
 4. PLANT AND/OR SEED QUANTITIES AND AREAS SHOWN ON DRAWINGS AND LEGENDS ARE FOR CONTRACTOR'S CONVENIENCE IN ESTIMATING ONLY. CONTRACTOR IS RESPONSIBLE FOR PROVIDING PLANT/SEED MATERIALS TO COVER ALL AREAS SHOWN ON PLANS.
 5. DO NOT DAMAGE PLANT ROOTBALL DURING TRANSPORTATION OR PLANTING PROCESS.
 6. ALL PLANT MATERIAL SHALL BE SUBJECT TO THE APPROVAL OF THE RESTORATION BIOLOGIST AND REPLACED UPON REQUEST BEFORE OR AFTER PLANTING.
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 CITY OF SAN DIEGO PARK AND RECREATION DEPARTMENT SHALL BE RESPONSIBLE FOR LONG-TERM MAINTENANCE.
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NOTES:
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TEMPORARY BMP CONSTRUCTION SITE STORM WATER PRIORITY: HIGH _____ MEDIUM _____ LOW _____ SPEC. NO.

CONSULTANT

Estrada Land Planning
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619.236.0143
 225 Broadway, Suite 1160
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 ELP@EstradaLandPlan.com



**PLANS FOR
 SUNSET CLIFFS NATURAL PARK
 HILLSIDE IMPROVEMENTS
 PLANTING PLAN**

| | | |
|---|----------------------|--------------------|
| CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 65 OF 78 SHEETS | | WBS _____ |
| APPROVED _____ | | SUBMITTED BY _____ |
| FOR CITY ENGINEER | DATE | PROJECT MANAGER |
| DESCRIPTION | BY | APPROVED |
| ORIGINAL | ELP | DATE |
| | | FILMED |
| | | PROJECT ENGINEER |
| | | C8827 COORDINATE |
| | | C8883 COORDINATE |
| CONTRACTOR _____ | DATE STARTED _____ | 36768-65-D |
| INSPECTOR _____ | DATE COMPLETED _____ | |

Drawing name: M:\Projects\100\12261-SunsetCliffs\A00\10050a\12261_P-7.dwg P-7 May 29, 2013 2:01pm by: cno77

**CITY OF SAN DIEGO
 PUBLIC WORKS PROJECT**



SUNSET CLIFFS NATURAL PARK 100% SUBMITTAL

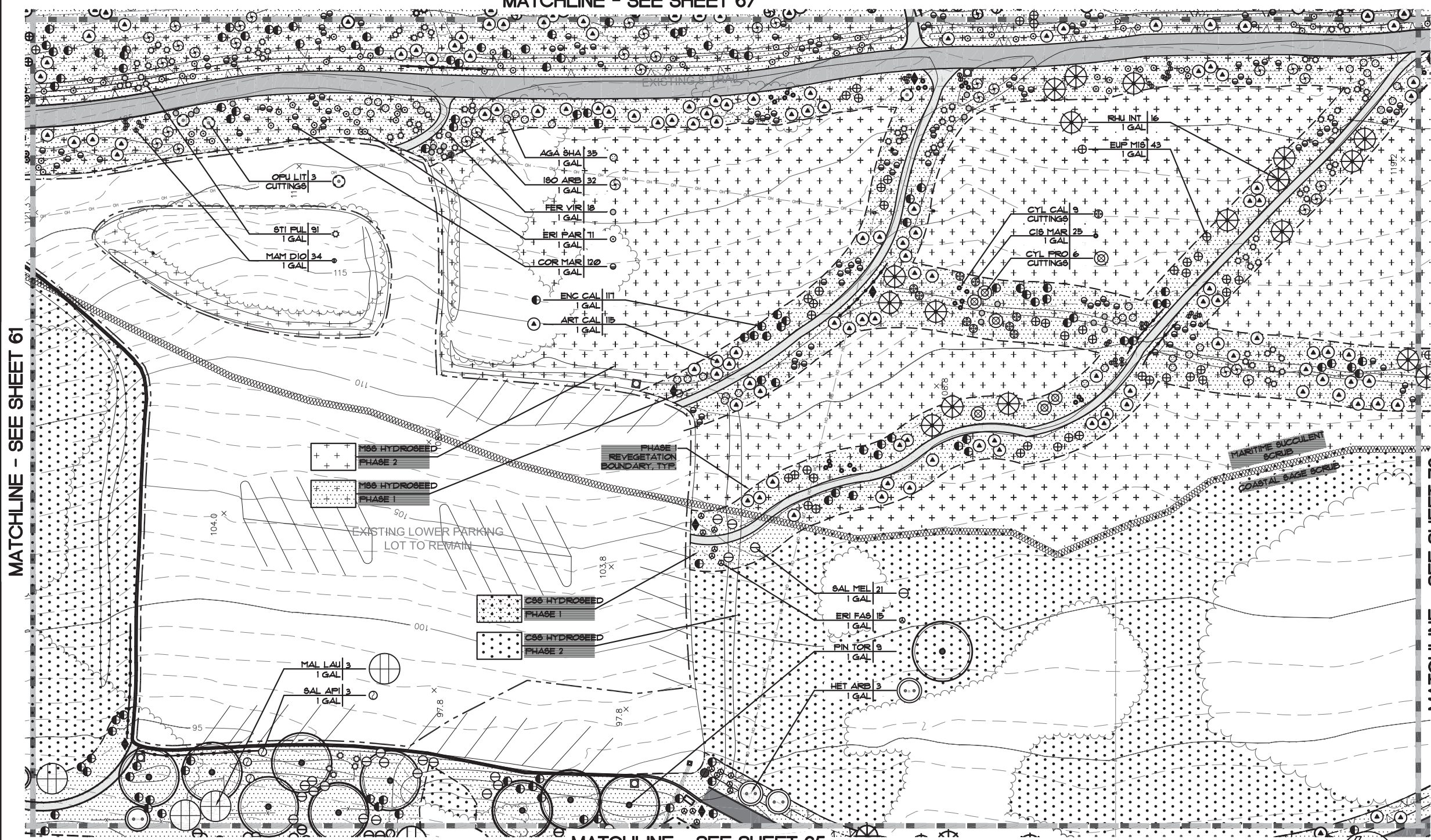
MATCHLINE - SEE SHEET 67

PLANTING NOTES
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MATCHLINE - SEE SHEET 61

MATCHLINE - SEE SHEET 70

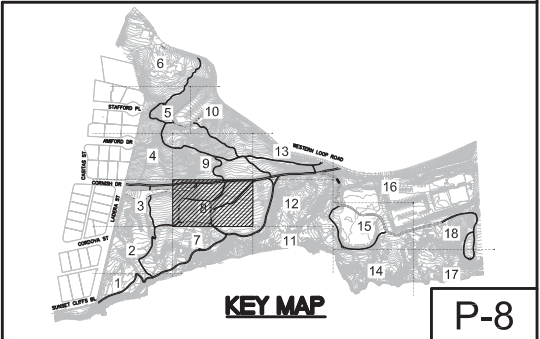


NOTES:

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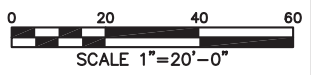
MATCHLINE - SEE SHEET 65



**PLANS FOR
 SUNSET CLIFFS NATURAL PARK
 HILLSIDE IMPROVEMENTS
 PLANTING PLAN**

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| CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 66 OF 78 SHEETS | | WBS _____ |
| APPROVED FOR CITY ENGINEER | | SUBMITTED BY _____ |
| DESCRIPTION | DATE | PROJECT MANAGER |
| ORIGINAL | ELP | PROJECT ENGINEER |
| | | CC827 COORDINATE |
| | | CC883 COORDINATE |
| CONTRACTOR | DATE STARTED | 36768-66-D |
| INSPECTOR | DATE COMPLETED | |

SEE SHEET 11 FOR PLANTING LEGEND AND SHEET 18 FOR PLANTING NOTES AND DETAILS.
 SEE SPECIFICATIONS AND SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.



TEMPORARY BMP CONSTRUCTION SITE STORM WATER PRIORITY: HIGH _____ MEDIUM _____ LOW _____ SPEC. NO. _____

CONSULTANT

Estrada Land Planning
 Urban Design Landscape Architecture Computer Imaging

619.236.0143
 225 Broadway, Suite 1160
 San Diego, California 92101
 619.236.0578 Fax
 ELP@EstradaLandPlan.com



| CONSTRUCTION CHANGE / ADDENDUM | | | |
|--------------------------------|------|---------------------------------|--------------|
| CHANGE | DATE | AFFECTED OR ADDED SHEET NUMBERS | APPROVAL NO. |
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WARNING

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

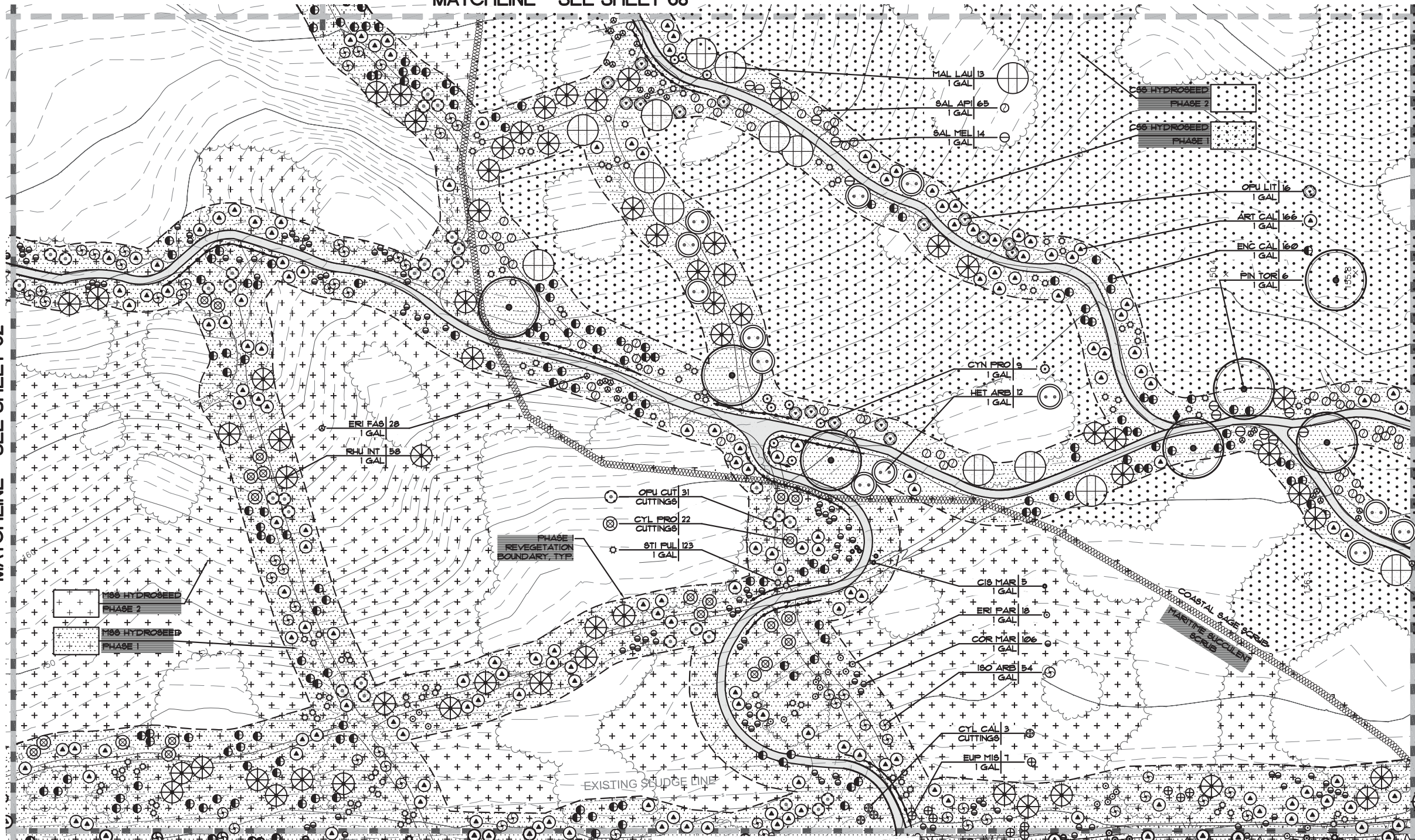
**CITY OF SAN DIEGO
 PUBLIC WORKS PROJECT**



Drawing name: M:\Projects\10012261-SunsetCliffs\1005Sub\12261_P-8.dwg P-8 May 29, 2013 2:02pm by: cno77

SUNSET CLIFFS NATURAL PARK 100% SUBMITTAL

MATCHLINE - SEE SHEET 68



MATCHLINE - SEE SHEET 66

PLANTING NOTES
 ALL LANDSCAPING SHALL BE DONE IN ACCORDANCE WITH THE GENERAL PROVISIONS AND THE APPLICABLE PARTS OF SECTIONS 212 AND 308 OF THE 'GREEN BOOK', 2012, DOCUMENT NO. P17801012-01 AND WITH THE CITY OF SAN DIEGO STANDARD SPECIFICATIONS FOR PUBLIC WORKS, 'WHITEBOOK', 2012, DOCUMENT NO. P17801012-02, AS WELL AS THE FOLLOWING:

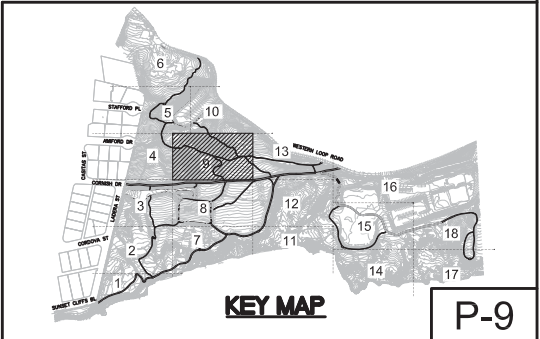
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MATCHLINE - SEE SHEET 62

MATCHLINE - SEE SHEET 71

NOTES:
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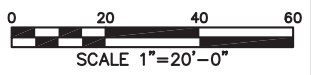


PLANS FOR
 SUNSET CLIFFS NATURAL PARK
 HILLSIDE IMPROVEMENTS
 PLANTING PLAN

CITY OF SAN DIEGO, CALIFORNIA
 ENGINEERING AND CAPITAL PROJECTS DEPARTMENT
 SHEET 67 OF 78 SHEETS

| | | |
|-------------------|----------------|------------------|
| FOR CITY ENGINEER | DATE | PROJECT MANAGER |
| DESCRIPTION | BY | APPROVED |
| ORIGINAL | ELP | DATE |
| | | FILMED |
| | | PROJECT ENGINEER |
| | | CC827 COORDINATE |
| | | CC883 COORDINATE |
| CONTRACTOR | DATE STARTED | 36768-67-D |
| INSPECTOR | DATE COMPLETED | |

SEE SHEET 11 FOR PLANTING LEGEND AND
 SEE SHEET 18 FOR PLANTING NOTES AND DETAILS.
 SEE SPECIFICATIONS AND SPECIAL PROVISIONS
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TEMPORARY BMP CONSTRUCTION SITE STORM WATER PRIORITY: HIGH _____ MEDIUM _____ LOW _____ SPEC. NO.

CONSULTANT

Estrada Land Planning
 Urban Design Landscape Architecture Computer Imaging

619.236.0143
 225 Broadway, Suite 1160
 San Diego, California 92101
 619.236.0578 Fax
 ELP@EstradaLandPlan.com



CONSTRUCTION CHANGE / ADDENDUM

| CHANGE | DATE | AFFECTED OR ADDED SHEET NUMBERS | APPROVAL NO. |
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WARNING

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

CITY OF SAN DIEGO
 PUBLIC WORKS PROJECT



Drawing name: M:\Projects\10012261-SunsetCliffs\1005a\12261_P-9 May 29, 2013 2:03pm by: cmo77

SUNSET CLIFFS NATURAL PARK 100% SUBMITTAL

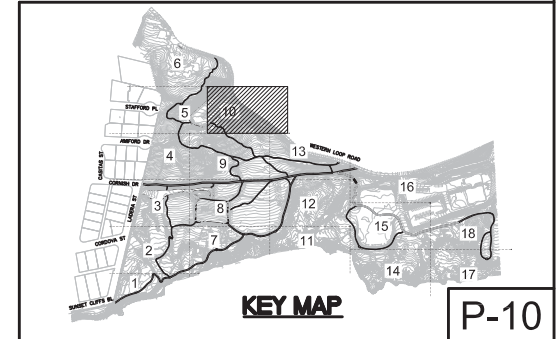
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MATCHLINE - SEE SHEET 64

MATCHLINE - SEE SHEET 63

MATCHLINE - SEE SHEET 67

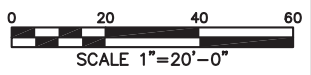


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SEE SHEET 11 FOR PLANTING LEGEND AND SEE SHEET 18 FOR PLANTING NOTES AND DETAILS.
 SEE SPECIFICATIONS AND SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.



TEMPORARY BMP CONSTRUCTION SITE STORM WATER PRIORITY: HIGH _____ MEDIUM _____ LOW _____ SPEC. NO.

CONSULTANT

Estrada Land Planning
 Urban Design Landscape Architecture Computer Imaging

619.236.0143
 225 Broadway, Suite 1160
 San Diego, California 92101
 619.236.0578 Fax
 ELP@EstradaLandPlan.com



**PLANS FOR
 SUNSET CLIFFS NATURAL PARK
 HILLSIDE IMPROVEMENTS
 PLANTING PLAN**

| | | |
|---|----------------------|--------------------|
| CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 68 OF 78 SHEETS | | WBS _____ |
| APPROVED _____ | | SUBMITTED BY _____ |
| FOR CITY ENGINEER | DATE | PROJECT MANAGER |
| DESCRIPTION | BY | APPROVED |
| ORIGINAL | ELP | DATE |
| | | FILMED |
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| | | |
| | | |
| CONTRACTOR _____ | DATE STARTED _____ | 36768-68-D |
| INSPECTOR _____ | DATE COMPLETED _____ | |

Drawing name: M:\Projects\10012261-SunsetCliffs\A000\1005a\12261_P.dwg P=10 May 28, 2013 2:04pm by: chb77

| CONSTRUCTION CHANGE / ADDENDUM | | | |
|--------------------------------|------|---------------------------------|--------------|
| CHANGE | DATE | AFFECTED OR ADDED SHEET NUMBERS | APPROVAL NO. |
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WARNING

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

**CITY OF SAN DIEGO
 PUBLIC WORKS PROJECT**



MATCHLINE - SEE SHEET 70



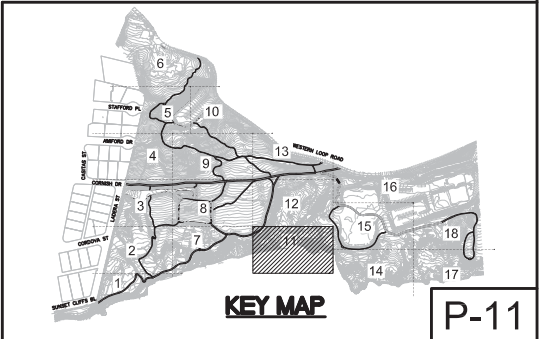
PLANTING NOTES
 ALL LANDSCAPING SHALL BE DONE IN ACCORDANCE WITH THE GENERAL PROVISIONS AND THE APPLICABLE PARTS OF SECTIONS 212 AND 308 OF THE 'GREEN BOOK', 2012, DOCUMENT NO. FITS071012-01 AND WITH THE CITY OF SAN DIEGO STANDARD SPECIFICATIONS FOR PUBLIC WORKS, 'WHITEBOOK', 2012, DOCUMENT NO. FITS071012-02, AS WELL AS THE FOLLOWING:

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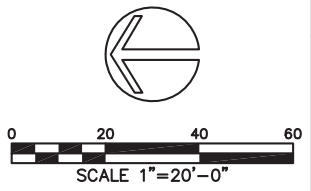
MATCHLINE - SEE SHEET 65

MATCHLINE - SEE SHEET 72

NOTES:
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SEE SHEET 11 FOR PLANTING LEGEND AND SEE SHEET 18 FOR PLANTING NOTES AND DETAILS.
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TEMPORARY BMP CONSTRUCTION SITE STORM WATER PRIORITY: HIGH _____ MEDIUM _____ LOW _____ SPEC. NO. _____

CONSULTANT

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 Urban Design Landscape Architecture Computer Imaging

619.236.0143
 225 Broadway, Suite 1160
 San Diego, California 92101
 619.236.0578 Fax
 ELP@EstradaLandPlan.com



| CONSTRUCTION CHANGE / ADDENDUM | | | |
|--------------------------------|------|---------------------------------|--------------|
| CHANGE | DATE | AFFECTED OR ADDED SHEET NUMBERS | APPROVAL NO. |
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WARNING

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CITY OF SAN DIEGO
PUBLIC WORKS PROJECT



PLANS FOR
SUNSET CLIFFS NATURAL PARK
HILLSIDE IMPROVEMENTS
PLANTING PLAN

CITY OF SAN DIEGO, CALIFORNIA
 ENGINEERING AND CAPITAL PROJECTS DEPARTMENT
 SHEET 69 OF 78 SHEETS

WBS _____
 WBS _____

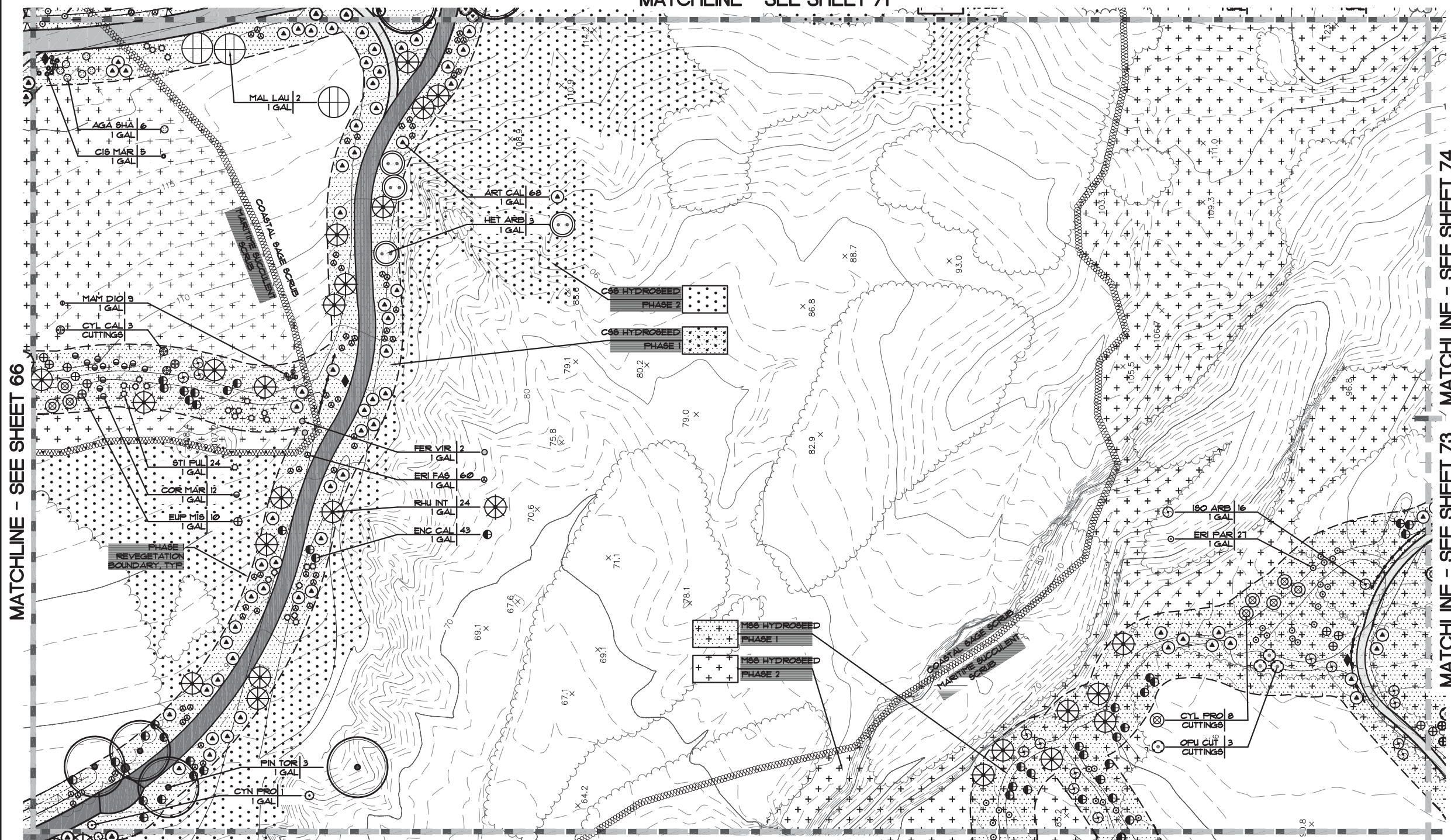
APPROVED FOR CITY ENGINEER: _____ DATE _____

PROJECT MANAGER: _____
 PROJECT ENGINEER: _____
 CCS27 COORDINATE: _____
 CCS83 COORDINATE: _____

CONTRACTOR _____ DATE STARTED _____
 INSPECTOR _____ DATE COMPLETED _____

36768-69-D

MATCHLINE - SEE SHEET 71



- PLANTING NOTES**
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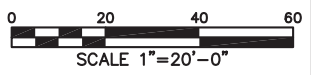
MATCHLINE - SEE SHEET 66

MATCHLINE - SEE SHEET 74
 MATCHLINE - SEE SHEET 73

MATCHLINE - SEE SHEET 69

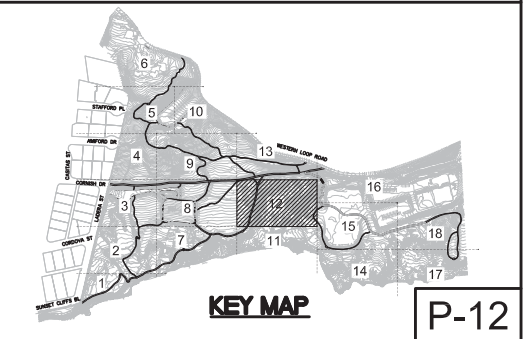
NOTES:
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SEE SHEET 71 FOR PLANTING LEGEND AND SEE SHEET 70 FOR PLANTING NOTES AND DETAILS.
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TEMPORARY BMP CONSTRUCTION SITE STORM WATER PRIORITY: HIGH _____ MEDIUM _____ LOW _____ SPEC. NO. _____

CONSULTANT
Estrada Land Planning
 Urban Design Landscape Architecture Computer Imaging
 619.236.0143
 225 Broadway, Suite 1160
 San Diego, California 92101
 619.236.0578 Fax
 ELP@EstradaLandPlan.com



**PLANS FOR
 SUNSET CLIFFS NATURAL PARK
 HILLSIDE IMPROVEMENTS
 PLANTING PLAN**

| | | |
|---|----------------------|--------------------|
| CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 70 OF 78 SHEETS | | WBS _____ |
| APPROVED _____ | | SUBMITTED BY _____ |
| FOR CITY ENGINEER | DATE | PROJECT MANAGER |
| DESCRIPTION | BY | APPROVED |
| ORIGINAL | ELP | DATE |
| | | FILMED |
| | | PROJECT ENGINEER |
| | | CC827 COORDINATE |
| | | CC883 COORDINATE |
| CONTRACTOR _____ | DATE STARTED _____ | 36768-70-D |
| INSPECTOR _____ | DATE COMPLETED _____ | |

Drawing name: M:\Projects\100\12261-SunsetCliffs\A00\1005a\12261_P-12.dwg P-12 May 29, 2013 2:06pm by: chb77

| CONSTRUCTION CHANGE / ADDENDUM | | | |
|--------------------------------|------|---------------------------------|--------------|
| CHANGE | DATE | AFFECTED OR ADDED SHEET NUMBERS | APPROVAL NO. |
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WARNING

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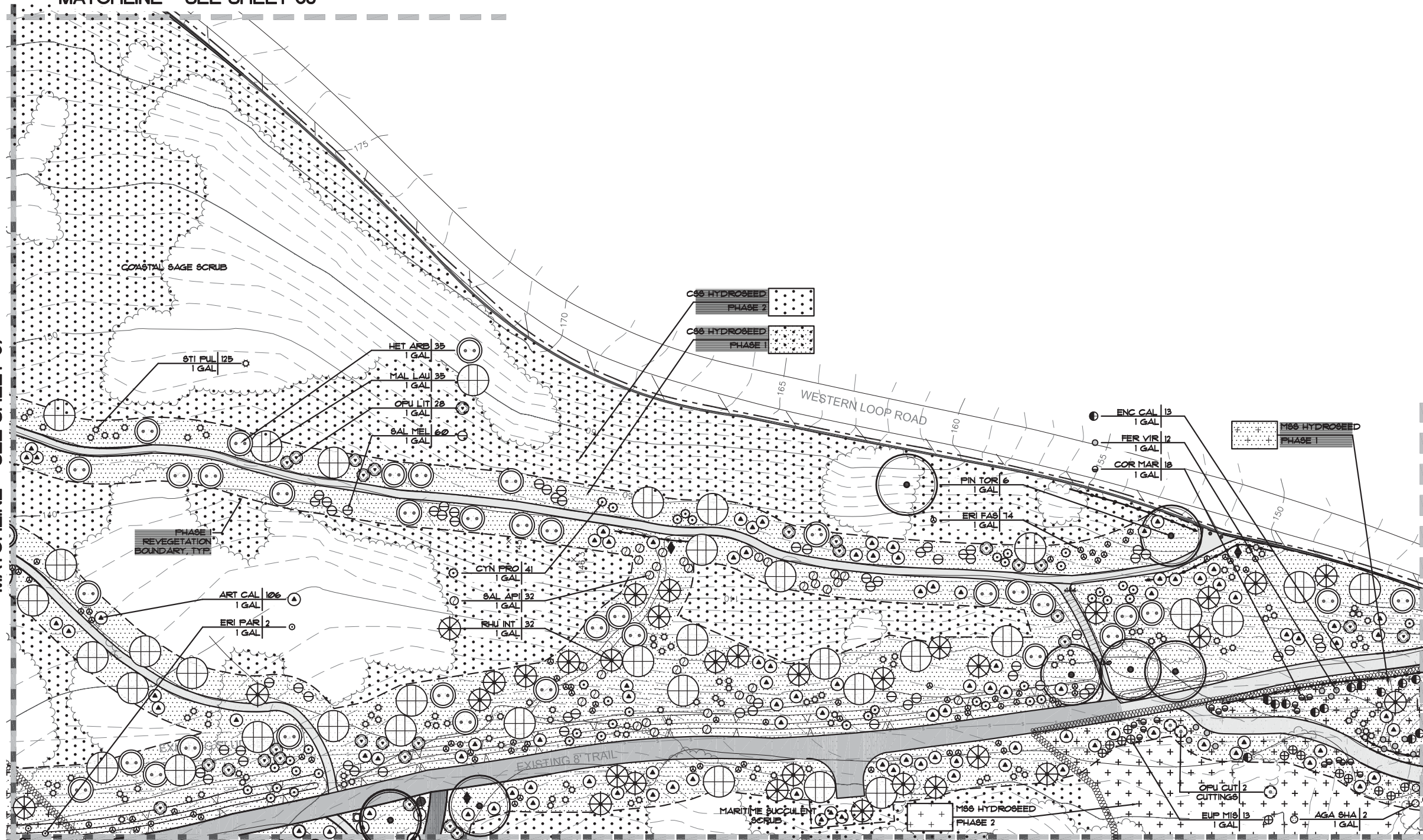
**CITY OF SAN DIEGO
 PUBLIC WORKS PROJECT**



SUNSET CLIFFS NATURAL PARK 100% SUBMITTAL

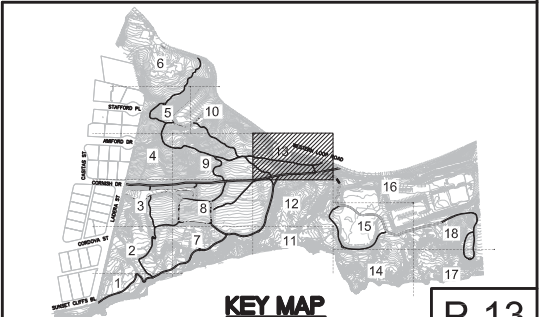
MATCHLINE - SEE SHEET 68

MATCHLINE - SEE SHEET 67



- PLANTING NOTES**
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MATCHLINE - SEE SHEET 74

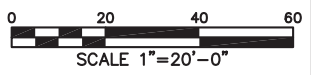


P-13

NOTES:
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MATCHLINE - SEE SHEET 70

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TEMPORARY BMP CONSTRUCTION SITE STORM WATER PRIORITY: HIGH _____ MEDIUM _____ LOW _____ SPEC. NO.

CONSULTANT
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 225 Broadway, Suite 1160
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 619.236.0578 Fax
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**PLANS FOR
 SUNSET CLIFFS NATURAL PARK
 HILLSIDE IMPROVEMENTS
 PLANTING PLAN**

| | | | | |
|---|-----|----------|------|---------------------|
| CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 71 OF 78 SHEETS | | | | WBS _____ |
| APPROVED | | | | SUBMITTED BY |
| FOR CITY ENGINEER | | DATE | | PROJECT MANAGER |
| DESCRIPTION | BY | APPROVED | DATE | FILMED |
| ORIGINAL | ELP | | | |
| CONTRACTOR _____ DATE STARTED _____ | | | | PROJECT ENGINEER |
| INSPECTOR _____ DATE COMPLETED _____ | | | | CC827 COORDINATE |
| | | | | CC883 COORDINATE |
| | | | | 36768- 71 -D |

Drawing name: M:\Projects\10012261-SunsetCliffs\A001\005a\12261_P-13 May 28, 2013 2:07pm by: chb77

| CONSTRUCTION CHANGE / ADDENDUM | | | |
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| CHANGE | DATE | AFFECTED OR ADDED SHEET NUMBERS | APPROVAL NO. |
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WARNING

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**CITY OF SAN DIEGO
 PUBLIC WORKS PROJECT**

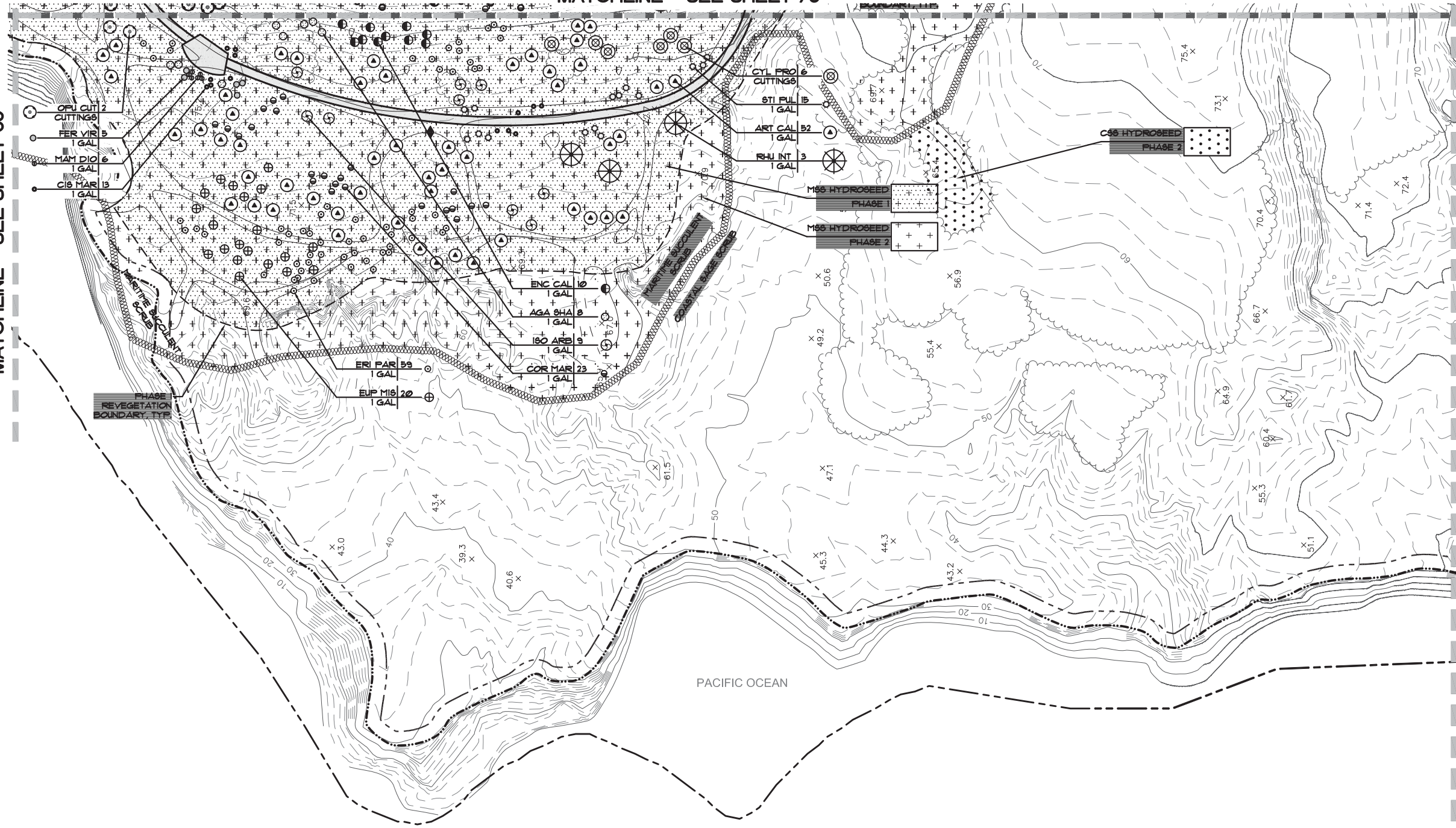


SUNSET CLIFFS NATURAL PARK 100% SUBMITTAL

MATCHLINE - SEE SHEET 73

MATCHLINE - SEE SHEET 69

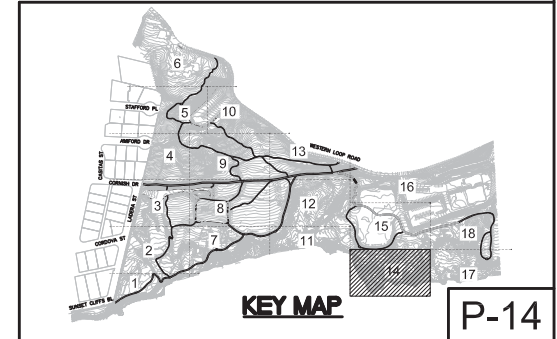
MATCHLINE - SEE SHEET 75



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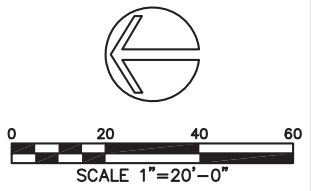
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**PLANS FOR
 SUNSET CLIFFS NATURAL PARK
 HILLSIDE IMPROVEMENTS
 PLANTING PLAN**

| | | |
|---|----------------|------------------|
| CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 72 OF 78 SHEETS | | WBS _____ |
| APPROVED | | SUBMITTED BY |
| FOR CITY ENGINEER | DATE | PROJECT MANAGER |
| DESCRIPTION | BY | APPROVED |
| ORIGINAL | ELP | DATE |
| | | FILMED |
| | | PROJECT ENGINEER |
| | | CC827 COORDINATE |
| | | CC883 COORDINATE |
| CONTRACTOR | DATE STARTED | 36768-72-D |
| INSPECTOR | DATE COMPLETED | |

SEE SHEET 11 FOR PLANTING LEGEND AND SEE SHEET 18 FOR PLANTING NOTES AND DETAILS.
 SEE SPECIFICATIONS AND SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.



TEMPORARY BMP CONSTRUCTION SITE STORM WATER PRIORITY: HIGH _____ MEDIUM _____ LOW _____ SPEC. NO. _____

CONSULTANT

Estrada Land Planning
 Urban Design Landscape Architecture Computer Imaging

619.236.0143
 225 Broadway, Suite 1160
 San Diego, California 92101
 619.236.0578 Fax
 ELP@EstradaLandPlan.com

REGISTERED LANDSCAPE ARCHITECT
 VICKI ESTRADA
 No. 1685
 Exp. 4/30/2014
 SIGNATURE
 DATE

Drawing name: M:\Projects\10012261-SunsetCliffs\A001\1005a\12261_P-14 May 29, 2013 2:07pm by: chb77

| CONSTRUCTION CHANGE / ADDENDUM | | | |
|--------------------------------|------|---------------------------------|--------------|
| CHANGE | DATE | AFFECTED OR ADDED SHEET NUMBERS | APPROVAL NO. |
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WARNING

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

**CITY OF SAN DIEGO
 PUBLIC WORKS PROJECT**



SUNSET CLIFFS NATURAL PARK 100% SUBMITTAL

MATCHLINE - SEE SHEET 74



PLANTING NOTES
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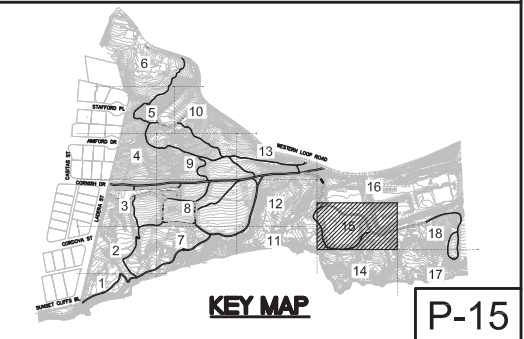
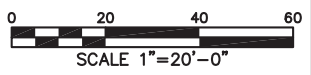
MATCHLINE - SEE SHEET 69 MATCHLINE - SEE SHEET 70

MATCHLINE - SEE SHEET 76

MATCHLINE - SEE SHEET 72

NOTES:
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 FOR ADDITIONAL INFORMATION AND REQUIREMENTS.



**PLANS FOR
 SUNSET CLIFFS NATURAL PARK
 HILLSIDE IMPROVEMENTS
 PLANTING PLAN**

| | | |
|---|----------------|--------------------|
| CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 73 OF 78 SHEETS | | WBS _____ |
| APPROVED | | SUBMITTED BY _____ |
| FOR CITY ENGINEER | DATE | PROJECT MANAGER |
| DESCRIPTION | BY | APPROVED |
| ORIGINAL | ELP | DATE |
| | | FILMED |
| | | PROJECT ENGINEER |
| | | CC827 COORDINATE |
| | | CC883 COORDINATE |
| CONTRACTOR | DATE STARTED | 36768-73-D |
| INSPECTOR | DATE COMPLETED | |

Drawing name: M:\Projects\10012261-SunsetCliffs\1005a\12261_P-15 May 28, 2013 2:08pm by: chb77

| CONSTRUCTION CHANGE / ADDENDUM | | | |
|--------------------------------|------|---------------------------------|--------------|
| CHANGE | DATE | AFFECTED OR ADDED SHEET NUMBERS | APPROVAL NO. |
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WARNING

 IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

**CITY OF SAN DIEGO
 PUBLIC WORKS PROJECT**



CONSULTANT

Estrada Land Planning
 Urban Design Landscape Architecture Computer Imaging

619.236.0143
 225 Broadway, Suite 1160
 San Diego, California 92101
 619.236.0578 Fax
 ELP@EstradaLandPlan.com



SUNSET CLIFFS NATURAL PARK 100% SUBMITTAL

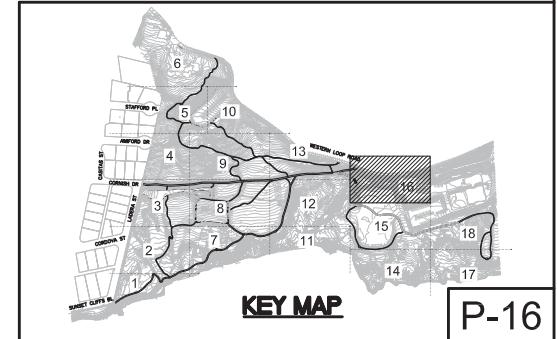
PLANTING NOTES
 ALL LANDSCAPING SHALL BE DONE IN ACCORDANCE WITH THE GENERAL PROVISIONS AND THE APPLICABLE PARTS OF SECTIONS 212 AND 306 OF THE 'GREEN BOOK', 2012, DOCUMENT NO. P15071012-01 AND WITH THE CITY OF SAN DIEGO STANDARD SPECIFICATIONS FOR PUBLIC WORKS, 'WHITEBOOK', 2012, DOCUMENT NO. P15071012-02, AS WELL AS THE FOLLOWING:

1. THESE PLANTING PLAN ARE INTENDED TO IMPLEMENT THE REVEGETATION PLAN FOR SUNSET CLIFFS NATURAL PARK, HILLSIDE SECTION IMPROVEMENTS PROJECT, SAN DIEGO, CA, DATED FEBRUARY 2012, REVISED JANUARY 2013.
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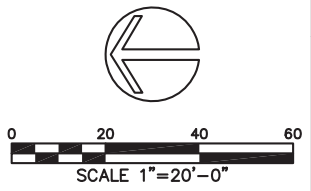
MATCHLINE - SEE SHEET 70 MATCHLINE - SEE SHEET 71

MATCHLINE - SEE SHEET 73



NOTES:
 BRUSH MANAGEMENT ZONES SHALL BE MAINTAINED AND ADMINISTERED BY THE CITY OF SAN DIEGO PARK AND RECREATION DEPARTMENT, OPEN SPACE DIVISION CONSISTENT WITH SECTION 142.0412, BRUSH MANAGEMENT REGULATIONS, OF THE LAND DEVELOPMENT CODE AND SECTION III OF THE LAND DEVELOPMENT MANUAL FOR MAINTENANCE ISSUES OR SEASONAL RIGHT-OF-ENTRY PERMITS, CONTACT (619) 685-1350.
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TEMPORARY BMP CONSTRUCTION SITE STORM WATER PRIORITY: HIGH _____ MEDIUM _____ LOW _____ SPEC. NO. _____

CONSULTANT

Estrada Land Planning
 Urban Design Landscape Architecture Computer Imaging

619.236.0143
 225 Broadway, Suite 1160
 San Diego, California 92101
 619.236.0578 Fax
 ELP@EstradaLandPlan.com

REGISTERED LANDSCAPE ARCHITECT
 VICKI ESTRADA
 No. 1685
 Exp. 4/30/2014
 SIGNATURE _____
 DATE _____
 STATE OF CALIFORNIA

PLANS FOR SUNSET CLIFFS NATURAL PARK HILLSIDE IMPROVEMENTS PLANTING PLAN

CITY OF SAN DIEGO, CALIFORNIA
 ENGINEERING AND CAPITAL PROJECTS DEPARTMENT
 SHEET 74 OF 78 SHEETS

WBS _____
 WBS _____

APPROVED FOR CITY ENGINEER _____ DATE _____ SUBMITTED BY _____

| DESCRIPTION | BY | APPROVED | DATE | FILMED | PROJECT MANAGER |
|-------------|-----|----------|------|--------|-------------------|
| ORIGINAL | ELP | | | | PROJECT ENGINEER |
| | | | | | CC827 COORDINATOR |
| | | | | | CC883 COORDINATOR |

CONTRACTOR _____ DATE STARTED _____
 INSPECTOR _____ DATE COMPLETED _____

36768-74-D

Drawing name: M:\Projects\100\12261-SunsetCliffs\A000\1005ub\12261_P-16 May 29, 2013 2:09pm by: chb77

| CONSTRUCTION CHANGE / ADDENDUM | | | |
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| CHANGE | DATE | AFFECTED OR ADDED SHEET NUMBERS | APPROVAL NO. |
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WARNING

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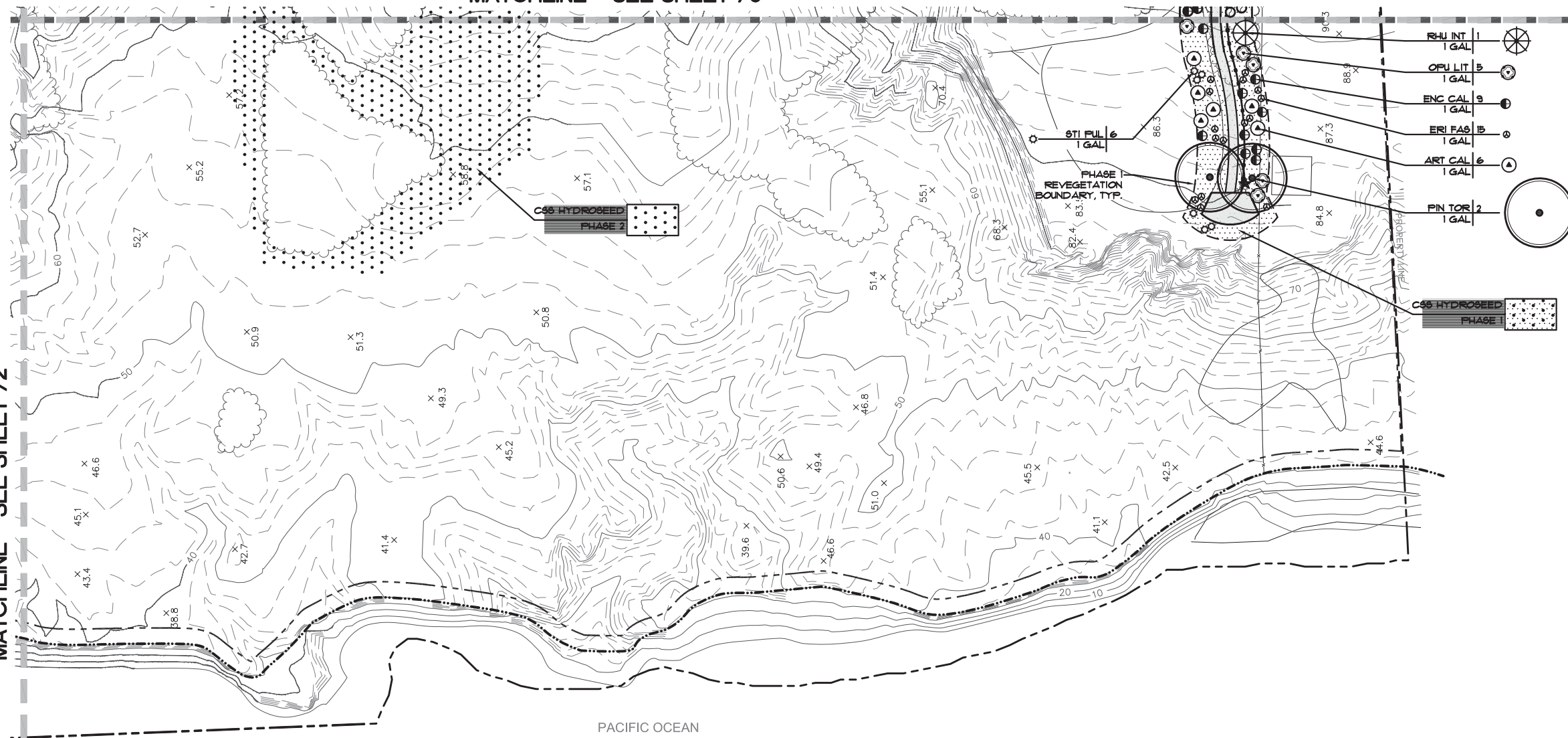
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

CITY OF SAN DIEGO PUBLIC WORKS PROJECT



MATCHLINE - SEE SHEET 76

MATCHLINE - SEE SHEET 72



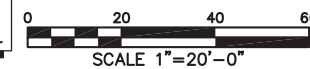
- PLANTING NOTES**
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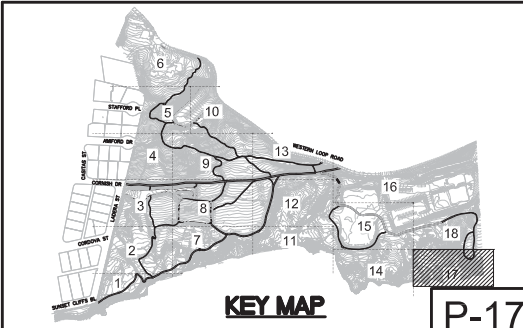
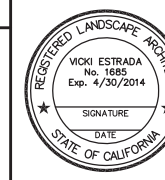


TEMPORARY BMP CONSTRUCTION SITE STORM WATER PRIORITY: HIGH _____ MEDIUM _____ LOW _____ SPEC. NO.

CONSULTANT

Estrada Land Planning
 Urban Design Landscape Architecture Computer Imaging

619.236.0143
 225 Broadway, Suite 1160
 San Diego, California 92101
 619.236.0578 Fax
 ELP@EstradaLandPlan.com



KEY MAP

P-17

**PLANS FOR
 SUNSET CLIFFS NATURAL PARK
 HILLSIDE IMPROVEMENTS
 PLANTING PLAN**

| | | | | |
|---|-----|----------|------|------------------------|
| CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 75 OF 78 SHEETS | | | | WBS _____ |
| APPROVED _____ | | | | SUBMITTED BY _____ |
| FOR CITY ENGINEER | | DATE | | PROJECT MANAGER |
| DESCRIPTION | BY | APPROVED | DATE | FILMED |
| ORIGINAL | ELP | | | |
| CONTRACTOR _____ DATE STARTED _____ | | | | PROJECT ENGINEER _____ |
| INSPECTOR _____ DATE COMPLETED _____ | | | | CC827 COORDINATE _____ |
| | | | | CC883 COORDINATE _____ |
| | | | | 36768-75-D |

Drawing name: M:\Projects\100\12261-SunsetCliffs\A00\1005ub\12261_P-17 May 29, 2013 2:10pm by: chb77

| CONSTRUCTION CHANGE / ADDENDUM | | | |
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| CHANGE | DATE | AFFECTED OR ADDED SHEET NUMBERS | APPROVAL NO. |
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WARNING

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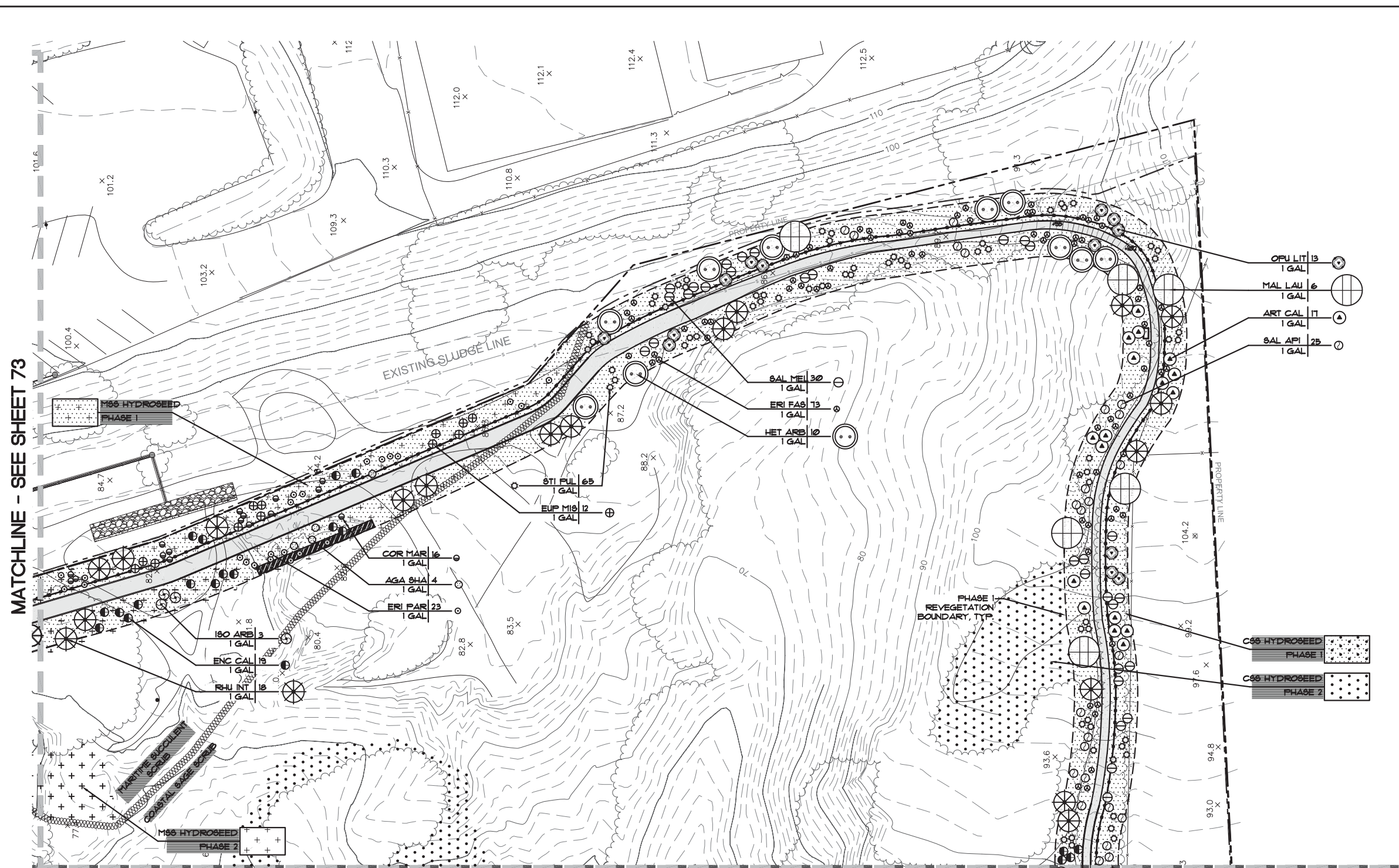
**CITY OF SAN DIEGO
 PUBLIC WORKS PROJECT**



SUNSET CLIFFS NATURAL PARK 100% SUBMITTAL

PLANTING NOTES
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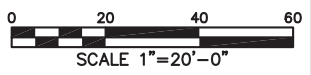


MATCHLINE - SEE SHEET 73

MATCHLINE - SEE SHEET 75

NOTES:
 BRUSH MANAGEMENT ZONES SHALL BE MAINTAINED AND ADMINISTERED BY THE CITY OF SAN DIEGO PARK AND RECREATION DEPARTMENT, OPEN SPACE DIVISION CONSISTENT WITH SECTION 142.0412, BRUSH MANAGEMENT REGULATIONS, OF THE LAND DEVELOPMENT CODE AND SECTION III OF THE LAND DEVELOPMENT MANUAL. FOR MAINTENANCE ISSUES OR SEASONAL RIGHT-OF-ENTRY PERMITS, CONTACT (619) 689-1350.
 BURN ASH AND BURIED WASTE MIGHT BE ENCOUNTERED WHILE DIGGING HOLES FOR PLANTS. CONTRACTOR AND ALL EMPLOYEES SHALL FOLLOW PROTOCOL ON REPLACING THE WASTE IN THE HOLE WITH THE PLANT OR DIGGING A NEW HOLE IF ASH/WASTE IS ENCOUNTERED.

SEE SHEET 11 FOR PLANTING LEGEND AND SEE SHEET 18 FOR PLANTING NOTES AND DETAILS.
 SEE SPECIFICATIONS AND SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

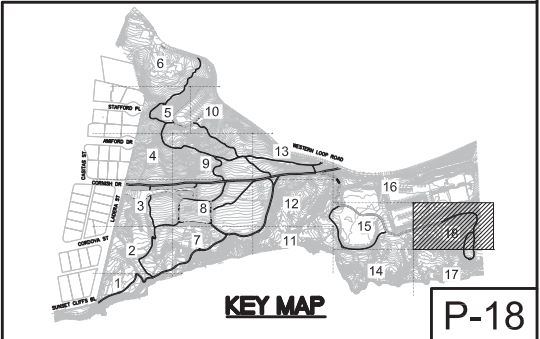


TEMPORARY BMP CONSTRUCTION SITE STORM WATER PRIORITY: HIGH _____ MEDIUM _____ LOW _____ SPEC. NO.

CONSULTANT

Estrada Land Planning
 Urban Design Landscape Architecture Computer Imaging

619.236.0143
 225 Broadway, Suite 1160
 San Diego, California 92101
 619.236.0578 Fax
 ELP@EstradaLandPlan.com



**PLANS FOR
 SUNSET CLIFFS NATURAL PARK
 HILLSIDE IMPROVEMENTS
 PLANTING PLAN**

| | | | | |
|---|-----|----------------------|------|---------------------------------|
| CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 76 OF 78 SHEETS | | | | WBS _____ SUBMITTED BY _____ |
| FOR CITY ENGINEER | | DATE | | PROJECT MANAGER |
| DESCRIPTION | BY | APPROVED | DATE | FILMED |
| ORIGINAL | ELP | | | |
| | | | | PROJECT ENGINEER |
| | | | | CS827 COORDINATE |
| | | | | CS883 COORDINATE |
| CONTRACTOR _____ | | DATE STARTED _____ | | 36768-76-D |
| INSPECTOR _____ | | DATE COMPLETED _____ | | |

Drawing name: M:\Projects\10012261-SunsetCliffs\A00\1005a\12261_P-18.rvt May 29, 2013 2:11pm by: chb77

| CONSTRUCTION CHANGE / ADDENDUM | | | |
|--------------------------------|------|---------------------------------|--------------|
| CHANGE | DATE | AFFECTED OR ADDED SHEET NUMBERS | APPROVAL NO. |
| | | | |
| | | | |

WARNING

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IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

**CITY OF SAN DIEGO
 PUBLIC WORKS PROJECT**



MARITIME SUCCULENT SCRUB

| SYMBOL | BOTANICAL NAME | COMMON NAME | ABBREV. | SIZE | COMMENTS | # / ACRE | DETAIL |
|--------|---|-------------------------|---------|----------|----------------------------|----------|-----------|
| | AGAVE SHAWII | SHAW'S AGAVE | AGA SHA | 1 GAL | FULL, VIGOROUS AND HEALTHY | 20 | SDRSD L-2 |
| | ARTEMISIA CALIFORNICA | COASTAL SAGE | ART CAL | 1 GAL | FULL, VIGOROUS AND HEALTHY | 120 | SDRSD L-2 |
| | CISTANTHE MARITIMA | SEASIDE CISTANTHE | CIS MAR | 1 GAL | FULL, VIGOROUS AND HEALTHY | 15 | SDRSD L-2 |
| | COREOPSIS MARITIMA | SAN DIEGO SEA DALIA | COR MAR | 1 GAL | FULL, VIGOROUS AND HEALTHY | 80 | SDRSD L-2 |
| | CYLINDROPUNTIA CALIFORNICA VAR. CALIFORNICA | SNAKE CHOLLA | CYL CAL | CUTTINGS | FULL, VIGOROUS AND HEALTHY | 10 | SDRSD L-2 |
| | CYLINDROPUNTIA PROLIFERA | COAST CHOLLA | CYL PRO | CUTTINGS | FULL, VIGOROUS AND HEALTHY | 15 | SDRSD L-2 |
| | ENCELIA CALIFORNICA | CALIFORNIA SUNFLOWER | ENC CAL | 1 GAL | FULL, VIGOROUS AND HEALTHY | 80 | SDRSD L-2 |
| | ERIOGONUM PARVIFOLIUM | CLIFFTOP BUCKWHEAT | ERI PAR | 1 GAL | FULL, VIGOROUS AND HEALTHY | 120 | SDRSD L-2 |
| | EUPHORBIA MISERA | CLIFF SPURGE | EUP MIS | 1 GAL | FULL, VIGOROUS AND HEALTHY | 40 | SDRSD L-2 |
| | FEROCACTUS VIRIDESCENS | SAN DIEGO BARREL CACTUS | FER VIR | 1 GAL | FULL, VIGOROUS AND HEALTHY | 15 | SDRSD L-2 |
| | ISOMERIS ARBOREA | BLADDERPOD | ISO ARB | 1 GAL | FULL, VIGOROUS AND HEALTHY | 30 | SDRSD L-2 |
| | MAMMILLARIA DIOICA | FISHHOOK CACTUS | MAM DIO | 1 GAL | FULL, VIGOROUS AND HEALTHY | 15 | SDRSD L-2 |
| | OPUNTIA LITTORALIS | COASTAL PRICKLY PEAR | OPU CUT | CUTTINGS | FULL, VIGOROUS AND HEALTHY | 15 | SDRSD L-2 |
| | PINUS TORREYANA | TORREY PINE | PIN TOR | 5 GAL | FULL, VIGOROUS AND HEALTHY | 10 | SDRSD L-2 |
| | RHUS INTEGRIFOLIA | LEMONADEBERRY | RHU INT | 1 GAL | FULL, VIGOROUS AND HEALTHY | 30 | SDRSD L-2 |
| | STIPA PULCHRA | PURPLE NEEDLE GRASS | STI PUL | 1 GAL | FULL, VIGOROUS AND HEALTHY | 50 | SDRSD L-2 |

COASTAL SAGE SCRUB

| SYMBOL | BOTANICAL NAME | COMMON NAME | ABBREV. | SIZE | COMMENTS | # / ACRE | DETAIL |
|--------|--------------------------|----------------------|---------|-------|----------------------------|----------|-----------|
| | ARTEMISIA CALIFORNICA | COASTAL SAGE | ART CAL | 1 GAL | FULL, VIGOROUS AND HEALTHY | 120 | SDRSD L-2 |
| | CYLINDROPUNTIA PROLIFERA | COAST CHOLLA | CYN PRO | 1 GAL | FULL, VIGOROUS AND HEALTHY | 25 | SDRSD L-2 |
| | ENCELIA CALIFORNICA | CALIFORNIA ENCELIA | ENC CAL | 1 GAL | FULL, VIGOROUS AND HEALTHY | 80 | SDRSD L-2 |
| | ERIOGONUM FASCICULATUM | CALIFORNIA BUCKWHEAT | ERI FAS | 1 GAL | FULL, VIGOROUS AND HEALTHY | 150 | SDRSD L-2 |
| | HETEROMELES ARBUTIFOLIA | TOYON | HET ARB | 1 GAL | FULL, VIGOROUS AND HEALTHY | 30 | SDRSD L-2 |
| | MALOSMA LAURINA | LAUREL SUMAC | MAL LAU | 1 GAL | FULL, VIGOROUS AND HEALTHY | 30 | SDRSD L-2 |
| | OPUNTIA LITTORALIS | COASTAL PRICKLY-PEAR | OPU LIT | 1 GAL | FULL, VIGOROUS AND HEALTHY | 25 | SDRSD L-2 |
| | PINUS TORREYANA | TORREY PINE | PIN TOR | 5 GAL | FULL, VIGOROUS AND HEALTHY | 10 | SDRSD L-2 |
| | RHUS INTEGRIFOLIA | LEMONADEBERRY | RHU INT | 1 GAL | FULL, VIGOROUS AND HEALTHY | 40 | SDRSD L-2 |
| | SALVIA APIANA | WHITE SAGE | SAL API | 1 GAL | FULL, VIGOROUS AND HEALTHY | 50 | SDRSD L-2 |
| | SALVIA MELLIFERA | BLACK SAGE | SAL MEL | 1 GAL | FULL, VIGOROUS AND HEALTHY | 40 | SDRSD L-2 |
| | STIPA PULCHRA | PURPLE NEEDLE GRASS | STI PUL | 1 GAL | FULL, VIGOROUS AND HEALTHY | 100 | SDRSD L-2 |

COASTAL SAGE SCRUB (CSS) SEEDMIX

| SYMBOL | BOTANICAL NAME | COMMON NAME | ABBREV. | SEED LBS/ACRE | DETAIL |
|--------|--------------------------|---------------------|---------|---------------|-----------|
| | ARTEMISIA CALIFORNICA | COASTAL SAGE | ART CAL | 5 | SDRSD L-2 |
| | ENCELIA CALIFORNICA | CALIFORNIA ENCELIA | ENC CAL | 5 | SDRSD L-2 |
| | ESCHSCHOLZIA CALIFORNICA | CALIFORNIA POPPY | ESC CAL | 4 | SDRSD L-2 |
| | LUPINUS TRUNCATUS | COLLARED LUPINE | LUP TRU | 4 | SDRSD L-2 |
| | PLANTAGO ERECTA | DOT-SEED PLANTAIN | PLA ERE | 6 | SDRSD L-2 |
| | STIPA PULCHRA | PURPLE NEEDLE GRASS | STI PUL | 6 | SDRSD L-2 |

MARITIME SUCCULENT SCRUB (MSS) SEEDMIX

| SYMBOL | BOTANICAL NAME | COMMON NAME | ABBREV. | SEED LBS/ACRE | DETAIL |
|--------|-----------------------------------|----------------------|---------|---------------|-----------|
| | ARTEMISIA CALIFORNICA | COASTAL SAGE | ART CAL | 3 | SDRSD L-2 |
| | CORETHROGYNE FILAGINIFOLIA INCANA | SAN DIEGO SAND ASTER | COR FIL | 4 | SDRSD L-2 |
| | ENCELIA CALIFORNICA | CALIFORNIA ENCELIA | ENC CAL | 3 | SDRSD L-2 |
| | ESCHSCHOLZIA CALIFORNICA | CALIFORNIA POPPY | ESC CAL | 4 | SDRSD L-2 |
| | LUPINUS TRUNCATUS | COLLARED LUPINE | LUP TRU | 4 | SDRSD L-2 |
| | PLANTAGO ERECTA | DOT-SEED PLANTAIN | PLA ERE | 6 | SDRSD L-2 |
| | STIPA PULCHRA | PURPLE NEEDLE GRASS | STI PUL | 6 | SDRSD L-2 |

PL-1

Drawing name: M:\Projects\100\12261-SunsetCliffs\100Sub\12261_P0.dwg PL-1 May 29, 2013 2:16pm by: chs77

CONSTRUCTION CHANGE / ADDENDUM

| CHANGE | DATE | AFFECTED OR ADDED SHEET NUMBERS | APPROVAL NO. |
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WARNING

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**CITY OF SAN DIEGO
 PUBLIC WORKS PROJECT**

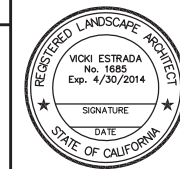


TEMPORARY BMP CONSTRUCTION SITE STORM WATER PRIORITY: HIGH _____ MEDIUM _____ LOW _____ SPEC. NO. _____

CONSULTANT

Estrada Land Planning
 Urban Design Landscape Architecture Computer Imaging

619.236.0143
 225 Broadway, Suite 1160
 San Diego, California 92101
 619.236.0578 Fax
 ELP@EstradaLandPlan.com



**PLANS FOR
 SUNSET CLIFFS NATURAL PARK
 HILLSIDE IMPROVEMENTS
 PLANTING LEGEND**

CITY OF SAN DIEGO, CALIFORNIA
 ENGINEERING AND CAPITAL PROJECTS DEPARTMENT
 SHEET 77 OF 78 SHEETS

WBS _____
 WBS _____

APPROVED: _____ DATE: _____ SUBMITTED BY: _____

| FOR CITY ENGINEER | | DATE | | PROJECT MANAGER |
|-------------------|-----|----------|------|-----------------|
| DESCRIPTION | BY | APPROVED | DATE | FILMED |
| ORIGINAL | ELP | | | |
| | | | | |
| | | | | |

PROJECT ENGINEER _____
 CCS27 COORDINATE _____
 CCS83 COORDINATE _____

CONTRACTOR _____ DATE STARTED _____
 INSPECTOR _____ DATE COMPLETED _____

36768-77-D

IMPLEMENTATION AND MONITORING SCHEDULE

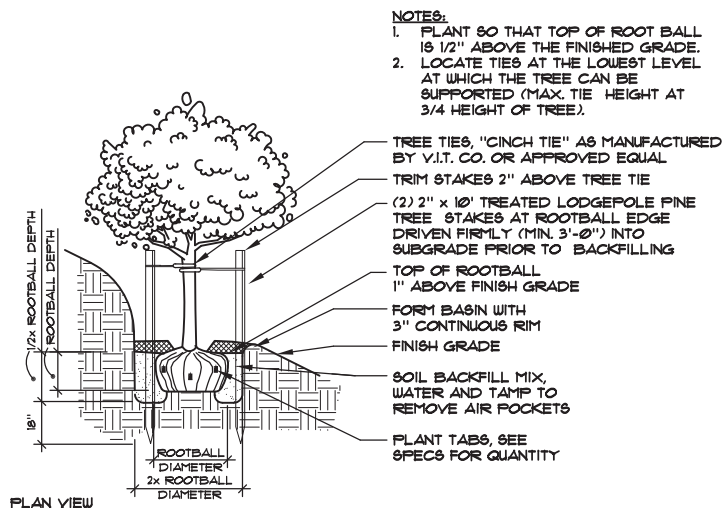
| | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|--------|-----|------|---------|------|------|---------|------|------|---------|-------|-----|---------|
| YEAR 0 | | | | | | SP | SP | SP | SP | CP, S | S | C, S, L |
| YEAR 1 | L | M, L | L, I | L, I | L, I | M, L, I | L, I | L, I | M, L, I | L, I | L | R, M, L |
| YEAR 2 | RM | L | M | L, I | I | M, L, I | I | L, I | M, I | L, I | | R, M, L |
| YEAR 3 | RM | | M, L, I | I | I | M, L, I | I | I | M, L, I | I | | R, M, L |
| YEAR 4 | RM | | M, L | | | M, L | | | M, L | | | R, M, L |
| YEAR 5 | RM | | M, L | | | M, L | | | M, L | | | T |

NOTES:
 SP - SITE PREPARATION
 S - SEEDING OF RESTORATION AREAS
 CP - CONTAINER PLANTS INSTALLED
 C - SCHEDULED COMPLETION OF IMPLEMENTATION AND START OF FIVE-YEAR MAINTENANCE AND MONITORING PERIOD
 L - LANDSCAPE MAINTENANCE (MONTHLY FIRST YEAR, BIMONTHLY THE SECOND YEAR, QUARTERLY THEREAFTER)
 I - IRRIGATION - DISCONTINUE IRRIGATION AT THE BEGINNING OF THE FOURTH WET SEASON
 M - MONITORING (BIMONTHLY FIRST YEAR, QUARTERLY THEREAFTER)
 RM - REMEDIAL MEASURES (IF NECESSARY)
 R - ANNUAL REPORT
 T - FINAL REPORT AND SCHEDULED TERMINATION OF THE FIVE-YEAR MAINTENANCE AND MONITORING PERIOD

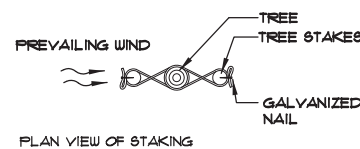
PERFORMANCE STANDARDS

| MILESTONE | ASSESSMENT CRITERIA | REMEDIAL ACTION |
|-----------|--|---|
| YEAR 1 | ALL PLANTS (SEEDS, CONTAINER PLANTINGS) TO ACHIEVE 20% OVERALL GROUND COVER, 90% SURVIVAL OF CONTAINER PLANTS, AND LESS THAN 10% WEED COVER. | IF TARGET PLANT MATERIALS EXPERIENCE MORTALITY AND DO NOT MEET FIRST YEAR SUCCESS CRITERIA, PLANTS SHALL BE REPLACED TO BRING DENSITIES UP TO 90% OF ORIGINAL PLANTING DENSITY. |
| YEAR 2 | ALL PLANTS (SEEDS, CONTAINER PLANTINGS) TO ACHIEVE 40% OVERALL GROUND COVER, 90% SURVIVAL OF CONTAINER PLANTS, AND LESS THAN 10% WEED COVER. | IF PLANTS DO NOT MEET COVERAGE CRITERIA, ADDITIONAL SEEDING AND PLANTING WILL BE DONE. DEAD CONTAINER PLANTS SHALL BE REPLACED TO BRING DENSITIES UP TO 90% OF ORIGINAL PLANTING DENSITY. |
| YEAR 3 | ALL PLANTS (SEEDS, CONTAINER PLANTINGS) TO ACHIEVE 60% OVERALL GROUND COVER AND LESS THAN 10% WEED COVER. | IF PLANTS DO NOT MEET COVERAGE CRITERIA, ADDITIONAL SEEDING AND PLANTING WILL BE DONE TO BRING DENSITIES UP TO 90% OF ORIGINAL PLANTING DENSITY. |
| YEAR 4 | ALL PLANTS (SEEDS, CONTAINER PLANTINGS) TO ACHIEVE 75% OVERALL GROUND COVER AND LESS THAN 10% WEED COVER. SUPPLEMENTAL IRRIGATION IS DISCONTINUED AT THE BEGINNING OF THE 4TH YEAR IF PERCENT COVER CRITERIA HAS BEEN ATTAINED. | IF PLANTS DO NOT MEET COVERAGE CRITERIA, ADDITIONAL SEEDING AND PLANTING WILL BE DONE. TURN OFF SUPPLEMENTAL IRRIGATION AFTER NEW PLANTINGS ARE ESTABLISHED. |
| YEAR 5 | ALL PLANTS (SEEDS, CONTAINER PLANTINGS) TO ACHIEVE 80% OVERALL GROUND COVER AND LESS THAN 10% WEED COVER. WITHIN THE SEEDING ONLY AREAS, NON-NATIVE GRASS SPECIES NOT LISTED AS HIGHLY INVASIVE ON THE CAL-IPC INVASIVE PLANT LIST CAN BE USED TO MEET THE 80% COVERAGE (EG: WILD OAT (AVENA SP.), BROME GRASSES (BROMUS MADRITENSIS), (BROMUS DIANDRUS), RYEGRASS (LOLLIUM SP.), FILAREE (ERODIUM SP.). THE COVER OF NON-NATIVE ANNUAL GRASSES AND HERBS (SUCH AS BROME GRASSES) WILL NO MORE THE 30% WHEN ASSESSED AS PART OF THE ESTIMATED 80% COVER. | IF PLANTS DO NOT MEET COVERAGE CRITERIA, ADDITIONAL SEEDING AND PLANTING WILL BE DONE. |

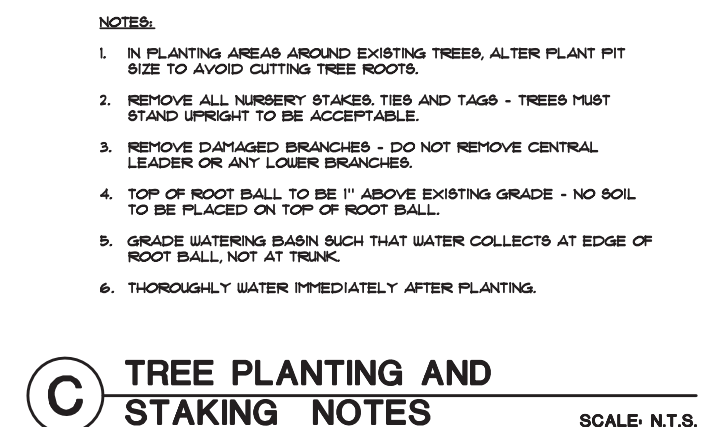
FOR FURTHER DIRECTION, REFER TO THE REVEGETATION PLAN FOR SUNSET CLIFFS NATURAL PARK, HILLSIDE SECTION IMPROVEMENTS, PREPARED BY URS CORPORATION, DATED JANUARY 2013.



A TREE PLANTING AND STAKING ON SLOPES SCALE: N.T.S.



B SHRUB PLANTING ON SLOPE SCALE: N.T.S.



C TREE PLANTING AND STAKING NOTES SCALE: N.T.S.

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PL-2

PLANS FOR SUNSET CLIFFS NATURAL PARK HILLSIDE IMPROVEMENTS PLANTING LEGEND AND DETAILS

| CONSTRUCTION CHANGE / ADDENDUM | | | |
|--------------------------------|------|---------------------------------|--------------|
| CHANGE | DATE | AFFECTED OR ADDED SHEET NUMBERS | APPROVAL NO. |
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WARNING
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CITY OF SAN DIEGO PUBLIC WORKS PROJECT



TEMPORARY BMP CONSTRUCTION SITE STORM WATER PRIORITY: HIGH _____ MEDIUM _____ LOW _____ SPEC. NO. _____

CONSULTANT

Estrada Land Planning
 Urban Design Landscape Architecture Computer Imaging

619.236.0143
 225 Broadway, Suite 1160
 San Diego, California 92101
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| | | | | |
|---|-----|----------------|------|--------------------|
| CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 78 OF 78 SHEETS | | | | WBS _____ |
| APPROVED _____ | | | | SUBMITTED BY _____ |
| FOR CITY ENGINEER | | DATE | | PROJECT MANAGER |
| DESCRIPTION | BY | APPROVED | DATE | FILMED |
| ORIGINAL | ELP | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| CONTRACTOR | | DATE STARTED | | |
| INSPECTOR | | DATE COMPLETED | | |
| | | | | 36768-78-D |

SUNSET CLIFFS NATURAL PARK 100% SUBMITTAL