

SPECIAL NOTES

1. TW AND BW GRADES REPRESENT THE GROUND ELEVATION AT THE BACK AND FRONT OF THE WALL. THE ACTUAL TOP-OF-WALL AND TOP- OF-FOOTING AND WALL DIMENSIONS TO BE DETERMINED BY THE WALL DESIGNER.
2. ROOF GUTTERS REQUIRED FOR ALL SECOND STORY OVERHANGS.
3. THE LOCATION OF INDIVIDUAL UNDERGROUND UTILITY SERVICES, PRIVATE SEWAGE DISPOSAL SYSTEMS, IRRIGATION/DRAINAGE SYSTEMS AND SATELLITE CABLE TV SERVICES IS NOT KNOWN. THIS INCLUDES BUT IS NOT LIMITED TO, ELECTRIC SERVICE LINES, GAS TANKS, GAS SERVICE LINES, TELEPHONE SERVICE LINES, WATER SERVICE LINES, CABLE TV LINES, SEPTIC TANKS, LEACH LINES, TIGHT LINES, SEEPAGE PITS, IRRIGATION LINES, SPRINKLERS, VALVES, CULVERTS, AND SATELLITE TV CABLE. THE CONTRACTOR WILL PERFORM THE NECESSARY RESEARCH, MAKE EXPLORATORY EXCAVATIONS AND/OR LOCATE THESE SYSTEMS/SERVICES SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT REVISIONS TO PLANS IF REVISIONS ARE NECESSARY BECAUSE OF ACTUAL LOCATION OF EXISTING SYSTEMS/SERVICES. IT IS THE CONTRACTORS RESPONSIBILITY TO PROTECT THESE SERVICES AS PART OF HIS WORK.
4. QUANTITIES SHOWN ARE FOR PERMIT PURPOSES ONLY AND DO NOT REFLECT FINAL PAY QUANTITIES. THE CONTRACTOR SHALL VERIFY ALL QUANTITIES AS PART OF HIS BID.
5. COMPLY WITH ALL APPLICABLE STORM WATER REGULATIONS AT ALL TIMES. THE ACTIVITIES PROPOSED UNDER THIS APPLICATION ARE SUBJECT TO ENFORCEMENT UNDER PERMITS FROM THE SAN DIEGO REGIONAL WATER QUALITY CONTROL BOARD (RWQCB) AND THE COUNTY OF SAN DIEGO WATERSHED PROTECTION, STORM WATER MANAGEMENT, AND DISCHARGE CONTROL ORDINANCE (ORDINANCE NO. 9424 AND ORDINANCE NO. 9426) AND ALL OTHER APPLICABLE ORDINANCES AND STANDARDS. THIS INCLUDES REQUIREMENTS FOR MATERIALS AND WASTE CONTROL, EROSION CONTROL, AND SEDIMENT CONTROL ON THE PROJECT SITE. PROJECTS THAT INVOLVE AREAS OF ONE (1) OR MORE ACRES REQUIRE THAT THE PROPERTY OWNER KEEP ADDITIONAL AND UPDATED INFORMATION ONSITE CONCERNING STORM WATER RUNOFF. THIS REQUIREMENT SHALL BE TO THE SATISFACTION OF THE DIRECTOR OF PUBLIC WORKS. (ORDINANCE NO. 9926 AND ORDINANCE NO. 10096) Δ
6. ALL OF THE WORK DESCRIBED HEREON PERTAINING TO EROSION CONTROL, IRRIGATION SYSTEMS, SLOPE PROTECTION, DRAINAGE SYSTEMS, DESILTING BASINS, ENERGY DISSIPATORS, AND SILT CONTROL SHALL BE SECURED BY AN INSTRUMENT OF CREDIT IN A FORM SATISFACTORY TO COUNTY COUNSEL FOR AN AMOUNT EQUAL TO THE COST OF THIS WORK AS DETERMINED OR APPROVED BY THE COUNTY DEPARTMENT OF PUBLIC WORKS. AN AGREEMENT IN A FORM SATISFACTORY TO COUNTY COUNSEL SHALL ACCOMPANY THE INSTRUMENT OF CREDIT TO AUTHORIZE THE COUNTY DEPARTMENT OF PUBLIC WORKS TO UNILATERALLY WITHDRAW ANY PART OF OR ALL THE INSTRUMENT OF CREDIT TO ACCOMPLISH ANY OF THE WORK SPECIFIED IN THE AGREEMENT IF IT IS NOT ACCOMPLISHED TO THE SATISFACTION OF THE COUNTY DEPARTMENT OF PUBLIC WORKS BY THE REQUIRED DATES. THE CASH DEPOSIT COLLECTED FOR GRADING, PER THE GRADING ORDINANCE, MAY AT THE COUNTY'S DISCRETION BE USED FOR EMERGENCY EROSION MEASURES. IF SAID DEPOSIT COLLECTED FOR GRADING IS LESS THAN \$5,000.00, THE DEVELOPER WILL SUPPLEMENT THE DEPOSIT TO EQUAL \$5,000.00. THE DEVELOPER SHALL SUBMIT A LETTER TO THE COUNTY DEPARTMENT OF PUBLIC WORKS AUTHORIZING THE USE OF THIS DEPOSIT FOR EMERGENCY MEASURES.
7. THE SUBDIVIDER IS REQUIRED TO PAY AN AMOUNT EQUAL TO 24 MONTHS OF MAINTENANCE FOR THE ENTIRE PROJECT AS ESTIMATED IN THE APPROVED STORMWATER MANAGEMENT AND MAINTENANCE PLAN.

NOTE: PREMISES FROM WHICH SOIL, SAND, GRAVEL, DECOMPOSED GRANITE OR ROCK ARE REMOVED FOR ANY PURPOSE EXCEPT WHERE SUCH REMOVAL IS TO COMPLETE WITHIN ONE YEAR FROM THE COMMENCEMENT OF SUCH REMOVAL THE GRADING OF LAND IN ACCORDANCE WITH GRADING PLAN FOR THE PREPARATION OF A SITE FOR A BUILDING OR STRUCTURE, FOR WHICH PLANS HAVE BEEN CHECKED AND APPROVED BY THE DIRECTOR PURSUANT TO DIVISION 1 OF TITLE 5 OF THE SAN DIEGO COUNTY CODE, WHICH GRADING PLAN HAS BEEN APPROVED BY THE DIRECTOR OF PUBLIC WORKS OR DIRECTOR AS BEING REASONABLY NECESSARY AND INCIDENTAL TO THE CONSTRUCTION OF SUCH BUILDING OR STRUCTURE.

IMPORT NOTES

PRIOR TO BEGINNING OF GRADING, SUBMIT A TRAFFIC CONTROL PLAN TO ENVIRONMENTAL SERVICE UNIT (ESU) FOR APPROVAL INCLUDING:

1. SPECIFIC TRUCK TRAVEL ROUTES.
2. ANTICIPATED LENGTH OF GRADING PERIOD INVOLVING THE NEED FOR TRUCK IMPORTS OF SOIL.
3. TIME OF OPERATIONS.
4. EXISTING CONDITIONS OF THE IMPACTED ROAD AREAS INCLUDING TRAFFIC AND ROAD CONDITIONS.
5. TRAFFIC SAFETY INCLUDING SAFETY TO RESIDENTS ON FOOT, ON BICYCLE AND IN VEHICLES, AND POSSIBLE MITIGATION FOR AVOIDANCE OF SIGNIFICANT PEAK HOUR TRAFFIC AT CERTAIN INTERCHANGES.
6. INTERCHANGE GEOMETRY TO DETERMINE IF IT WILL ALLOW SAFE USE BY THE TRUCKS.

216 4241
FIRE MARSHAL
Rancho Santa Fe Fire Protection District
Post Office Box 410
Rancho Santa Fe CA 92067
(858) 755-5871
APPROVED
Date: 10/20/13
By: [Signature]
Fire Marshal
OBTAIN FIRE AGENCY APPROVAL
PRIOR TO THE FOLLOWING INSPECTIONS:
Underground Plumbing
Final [Signature]
Other: [Signature]
It is unlawful to make any changes or alterations on
this site plan and specifications.

LEGAL DESCRIPTION

PARCELS 1, 2, 3 & 4 OF TENTATIVE PARCEL MAP NO. 17341 OF COUNTY OF SAN DIEGO
PARCEL MAP 13133 RECORDED FEBRUARY 13th, 1984 AS FILE NO. 84-053238

PARCELS 1 & 4 OF TENTATIVE PARCEL MAP 19618 OF OF COUNTY OF SAN DIEGO PARCEL
MAP 17478 RECORDED JANUARY 26, 1995 AS FILE NO. 1995-037041 (WATER ONLY)

DECLARATION OF RESPONSIBLE CHARGE

I HEREBY DECLARE THAT I AM THE ENGINEER 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 COUNTY OF SAN DIEGO IS CONFINED TO A REVIEW ONLY AND DOES NOT RELIEVE ME, AS ENGINEER OF WORK, OF MY RESPONSIBILITIES FOR PROJECT DESIGN.

SAN DIEGUITO ENGINEERING, INC.
4407 MANCHESTER, SUITE 105
ENCINITAS, CALIFORNIA 92024
(760) 753-5525
David Caron

BY: [Signature] DATE: 10/20/13
RCE 30444
70066
1127115

Civil Landworks Corp.
110 Copperwood Way, Suite P
Oceanside, CA 92058
(760) 908-8745

GENERAL NOTES

1. APPROVAL OF THIS GRADING PLAN DOES NOT CONSTITUTE APPROVAL OF VERTICAL OR HORIZONTAL ALIGNMENT OF ANY PRIVATE ROAD SHOWN HEREON FOR COUNTY ROAD PURPOSES.
2. FINAL APPROVAL OF THESE GRADING PLANS IS SUBJECT TO FINAL APPROVAL OF THE ASSOCIATED IMPROVEMENT PLANS WHERE APPLICABLE. FINAL CURB GRADE ELEVATIONS MAY REQUIRE CHANGES IN THESE PLANS.
3. IMPORT MATERIAL SHALL BE OBTAINED FROM A LEGAL SITE.
4. A CONSTRUCTION, EXCAVATION OR ENCROACHMENT PERMIT FROM THE DIRECTOR OF PUBLIC WORKS WILL BE REQUIRED FOR ANY WORK IN THE COUNTY RIGHT-OF-WAY.
5. ALL SLOPES OVER 3 FEET IN HEIGHT WILL BE PLANTED IN ACCORDANCE WITH SAN DIEGO COUNTY SPECIFICATIONS.
6. THE CONTRACTOR SHALL VERIFY THE EXISTENCE AND LOCATION OF ALL UTILITIES BEFORE COMMENCING WORK. NOTICE OF THE PROPOSED WORK SHALL BE GIVEN TO THE FOLLOWING AGENCIES:
SAN DIEGO GAS & ELECTRIC: 1-760-438-6200
AT&T TELEPHONE: 1-800-750-2355
COX CABLE: 1-760-806-9809
RANCHO SANTA FE COMMUNITY SERVICES DISTRICT: 1-760-942-5147
OLIVENHAIN MUNICIPAL WATER DISTRICT: 1-760-753-6466
7. A SOILS REPORT MAY BE REQUIRED PRIOR TO THE ISSUANCE OF A BUILDING PERMIT.
8. APPROVAL OF THESE PLANS BY THE DIRECTOR OF PUBLIC WORKS DOES NOT AUTHORIZE ANY WORK OR GRADING TO BE PERFORMED UNTIL THE PROPERTY OWNER'S PERMISSION HAS BEEN ISSUED.
9. THE DIRECTOR OF PUBLIC WORKS APPROVAL OF THESE PLANS DOES NOT CONSTITUTE COUNTY BUILDING OFFICIAL APPROVAL OF ANY FOUNDATIONS FOR STRUCTURES TO BE PLACED ON THE AREA COVERED BY THESE PLANS. NO WAIVER OF THE GRADING ORDINANCE REQUIREMENTS CONCERNING MINIMUM COVER OVER EXPANSIVE SOILS IS MADE OR IMPLIED (SECTIONS 87.403 & 87.410). ANY SUCH WAIVER MUST BE OBTAINED FROM THE DIRECTOR OF DPL.
10. ALL OPERATIONS CONDUCTED ON THE PREMISES, INCLUDING THE WARMING UP, REPAIR, ARRIVAL, DEPARTURE OR RUNNING OF TRUCKS, EARTHMOVING EQUIPMENT, CONSTRUCTION EQUIPMENT AND ANY OTHER ASSOCIATED GRADING EQUIPMENT SHALL BE LIMITED TO THE PERIOD BETWEEN 7:00 a.m. AND 6:00 p.m. EACH DAY, MONDAY THROUGH SATURDAY, AND NO EARTHMOVING OR GRADING OPERATIONS SHALL BE CONDUCTED ON THE PREMISES ON SUNDAYS OR
11. ALL MAJOR SLOPES SHALL BE ROUNDED INTO EXISTING TERRAIN TO PRODUCE A CONTOURED TRANSITION FROM CUT OR FILL FACES TO NATURAL GROUND AND ABUTTING CUT OR FILL SURFACES.
12. NOTWITHSTANDING THE MINIMUM STANDARDS SET FORTH IN THE GRADING ORDINANCE AND NOTWITHSTANDING THE APPROVAL OF THESE GRADING PLANS, THE PERMITTEE IS RESPONSIBLE FOR THE PREVENTION OF DAMAGE TO THE ADJACENT PROPERTY. NO PERSON SHALL EXCAVATE ON LAND SO CLOSE TO THE PROPERTY LINE AS TO ENDANGER ANY ADJOINING PUBLIC STREET, SIDEWALK, ALLEY, FUNCTION OF ANY SEWAGE DISPOSAL SYSTEM OR ANY OTHER PUBLIC OR PRIVATE PROPERTY WITHOUT SUPPORTING AND PROTECTING SUCH PROPERTY FROM SETTLING, CRACKING, EROSION, SILTING, SCOUR OR OTHER DAMAGE WHICH MIGHT RESULT FROM THE GRADING DESCRIBED ON THIS PLAN. THE COUNTY WILL HOLD THE PERMITTEE RESPONSIBLE FOR CORRECTION OF NON-DEDICATED IMPROVEMENTS WHICH DAMAGE ADJACENT PROPERTY.

CUT - 1 1/2:1 FOR MINOR SLOPES; 2:1 FOR MAJOR SLOPES
FILL - 2:1 SLOPES DEVIATING FROM THE ABOVE WILL REQUIRE APPROVAL OF THE DIRECTOR OF PUBLIC WORKS. REVIEW OF A REPORT FROM A SOILS ENGINEER. 24,894 C.Y. 32,710 C.Y.
EXCAVATION: 17,250 C.Y. FILL: 17,250 C.Y. IMPORT = 7,816 C.Y.

FOR WASTE OR IMPORT AREA. SEE IMPORT NOTES AT LEFT.

THESE ARE RAW QUANTITIES TO BE USED FOR COST ESTIMATE PURPOSES ONLY. ACTUAL QUANTITIES MAY DIFFER DUE TO SOILS REPORT RECOMMENDATION DUE TO REMEDIAL GRADING.

14. SPECIAL CONDITION: IF ANY ARCHAEOLOGICAL RESOURCES ARE DISCOVERED ON THE SITE OF THIS GRADING DURING GRADING OPERATIONS, SUCH OPERATIONS WILL CEASE IMMEDIATELY, AND THE PERMITTEE WILL NOTIFY THE DIRECTOR OF PUBLIC WORKS OF THE GRADING OPERATIONS WILL NOT RECOMMENCE UNTIL THE PERMITTEE HAS RECEIVED WRITTEN AUTHORITY FROM THE DIRECTOR OF PUBLIC WORKS TO DO SO.
15. PERMANENT POST-CONSTRUCTION BMP DEVICES SHOWN ON PLAN SHALL NOT BE REMOVED OR MODIFIED WITHOUT THE APPROVAL FROM THE DEPARTMENT OF PUBLIC WORKS.
16. ALL GRADING DETAILS WILL BE IN ACCORDANCE WITH SAN DIEGO COUNTY STANDARD DRAWINGS DS-8, DS-10, DS-11, D-75, DS-7.

WORK TO BE DONE

GRADING AND DRAINAGE WORK CONSIST OF THE FOLLOWING WORK TO BE DONE ACCORDING TO THESE PLANS, THE CURRENT SAN DIEGO AREA REGIONAL STANDARD DRAWINGS, THE SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION AND THE SAN DIEGO COUNTY GRADING ORDINANCE.

IMPROVEMENTS	STD DWG. NO.	SYMBOL
CUT SLOPE - 2 : 1 MAX		
FILL SLOPE - 2 : 1 MAX		
EXIST CONTOUR	100	
FINISH CONTOUR	100	
BROW DITCH	D-75, TYPE B	
EARTH SWALE		
PROPERTY LINE		
CUT FILL		
RIP RAP (AS SHOWN ON PLAN)	D-40	
LIMIT OF GRADING		
FENCE		
CATCH BASIN	SEE PLANS	
OWNER / PERMITTEE		

RICHARD D BAGLEY
28967 PALOS VERDES DR. EAST
RANCHO PALOS VERDES, CA. 90275-5252

OWNER'S CERTIFICATE

IT IS AGREED THAT FIELD CONDITIONS MAY REQUIRE CHANGES TO THESE PLANS.

IT IS FURTHER AGREED THAT THE OWNER (DEVELOPER) SHALL HAVE A REGISTERED CIVIL ENGINEER MAKE SUCH CHANGES, ALTERATIONS, OR ADDITIONS TO THESE PLANS WHICH THE DIRECTOR OF PUBLIC WORKS DETERMINES ARE NECESSARY AND DESIRABLE FOR THE PROPER COMPLETION OF THE IMPROVEMENTS.

I FURTHER AGREE TO COMMENCE WORK ON ANY IMPROVEMENTS SHOWN ON THESE PLANS WITHIN EXISTING CITY RIGHT-OF-WAY WITHIN 60 DAYS AFTER THE ISSUANCE OF THE CONSTRUCTION PERMIT AND TO PURSUE SUCH WORK ACTIVELY ON EVERY NORMAL WORKING DAY UNTIL COMPLETED, IRRESPECTIVE AND INDEPENDENT OF ANY OTHER WORK ASSOCIATED WITH THIS PROJECT OR UNDER MY CONTROL.

Richard D. Bagley
28967 PALOS VERDES DR. EAST
RANCHO PALOS VERDES, CA. 90275-5252

SOILS ENGINEER CERTIFICATION:

THESE GRADING PLANS HAVE BEEN REVIEWED BY THE UNDERSIGNED AND SHALL BE IN CONFORMANCE WITH THE RECOMMENDATIONS AS OUTLINED IN THE SOILS AND GEOTECHNICAL INVESTIGATION FOR THIS PROJECT. THE SOILS REPORT SHALL BE CONSIDERED PART OF THIS PLAN, AND ALL GRADING WORK SHALL BE DONE IN ACCORDANCE WITH THE SPECIFICATIONS AND RECOMMENDATIONS OF THE

GE: _____ EXP.: _____ DATE: _____

STORMWATER TREATMENT CONTROL BMP'S			
DESCRIPTION/TYPE	SHEET	MAINTENANCE CATEGORY	REVISIONS
BIORETENTION FACILITY, IMP1	2A	1	
BIORETENTION FACILITY, IMP2	2A	1	
BIORETENTION FACILITY, IMP3	2A	1	
BIORETENTION FACILITY, IMP4	2A	1	
BIORETENTION FACILITY, IMP5	2A	1	
BIORETENTION FACILITY, IMP6	3A	1	
BIORETENTION FACILITY, IMP7	3A	1	
BIORETENTION FACILITY, IMP8	3	1	

NOTE: BMP'S APPROVED AS PART OF STORMWATER MANAGEMENT PLAN (SWMP) DATED 10/26/15 ON FILE WITH DPW. ANY CHANGES DO THE ABOVE BMP'S WILL REQUIRE SWMP REVISION AND PLAN CHANGE APPROVALS.

CIVIL LANDWORKS CORP.
110 COPPERWOOD WAY, SUITE P
OCEANSIDE, CA 92058

ADDENDUM TO APPROVED
SWMP DATED 10-13-17

DISTURBED AREA CALCS

PAD + SLOPES: 296,666 296,686 SF
DRIVEWAY: 4,430 9,430 SF
PRIMARY SEPTIC: 24,774 SF
FIRE CLEARING: 340,717 340,717 SF
TOTAL: 644,607 644,607 SF
IF ≥ 1 AC, PROVIDE WDD#: 9376366213

SOLAR STATEMENT:

I CERTIFY THAT THIS GRADING PLAN HAS RESERVED A MINIMUM OF ONE HUNDRED (100) SQUARE FEET OF SOLAR ACCESS FOR EACH LOT CREATED BY THIS SUBDIVISION PURSUANT TO SECTION 81.401(n) OF THE SUBDIVISION ORDINANCE.

David Caron
RCE 30444 RCE 70066

RANCHO SANTA FE FIRE DISTRICT

APPROVED BY: [Signature]

DATE: 11-6-15

COUNTY APPROVED CHANGES

No. 1 Change Engineer of Record/WORK

Approved by: [Signature] Date: 2/24/15

DELETE/ADD SHEETS, CHG. EW QUANTITIES, REVISE BMP TABLE, &

CHG. NO. OF SHEETS

PERMIT RENEWAL

PERMITS

B/C _____
REZONE PERMIT NO. _____
SPECIAL USE PERMIT NO. _____
TENTATIVE MAP NO. TPM 17341 / PM 13133
TPM 19618 / PM 17478
NO. 9376366213 / 8552
BENCH MARK
DESCRIPTION: NORTHWEST BRASS PLUG - TOP INLET
LOCATION: CAMINO DEL SUR AT ARTESIAN ROAD
RECORD FROM: CITY OF SAN DIEGO
ELEVATION: 469.47 DATUM: M.S.L.

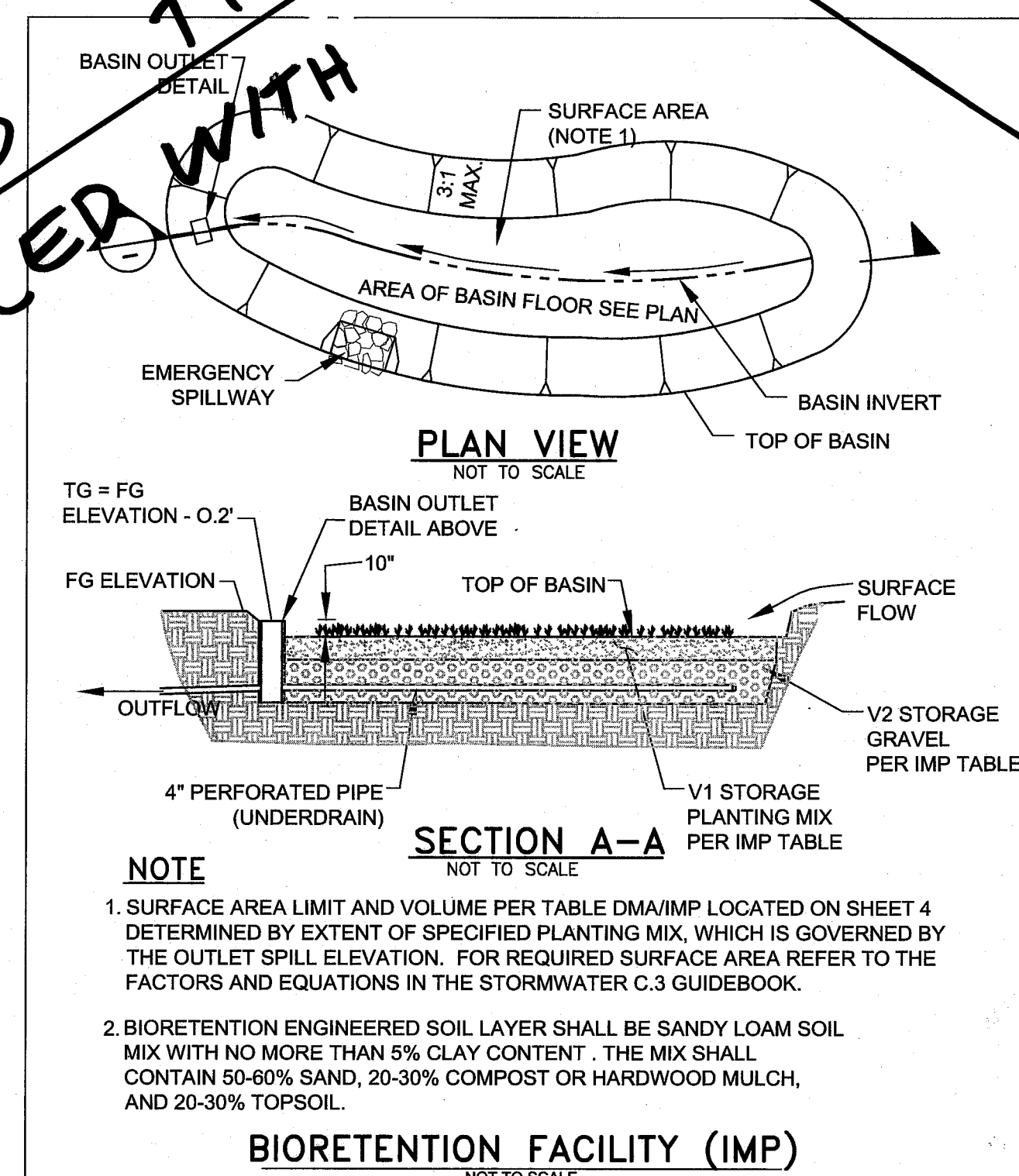
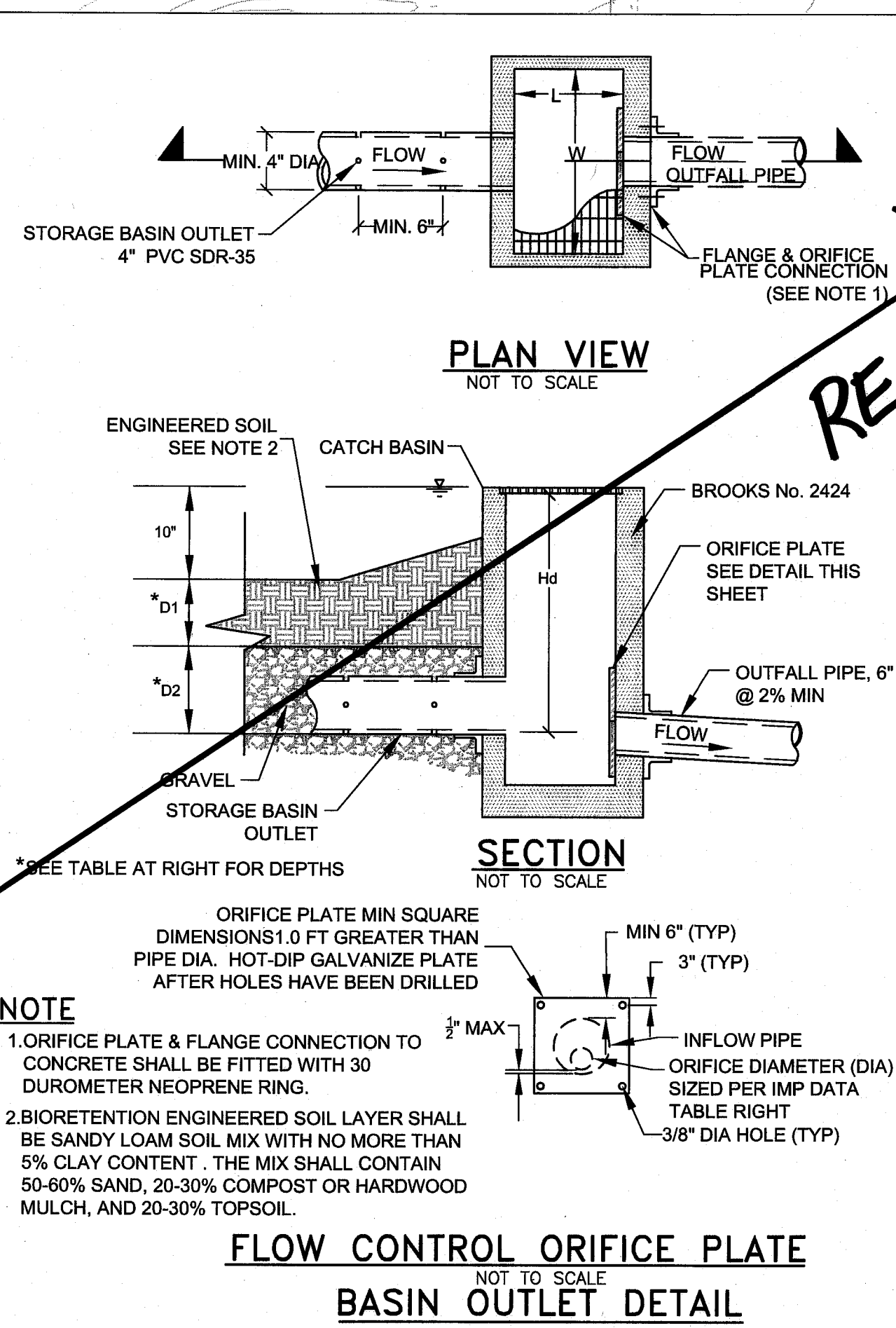
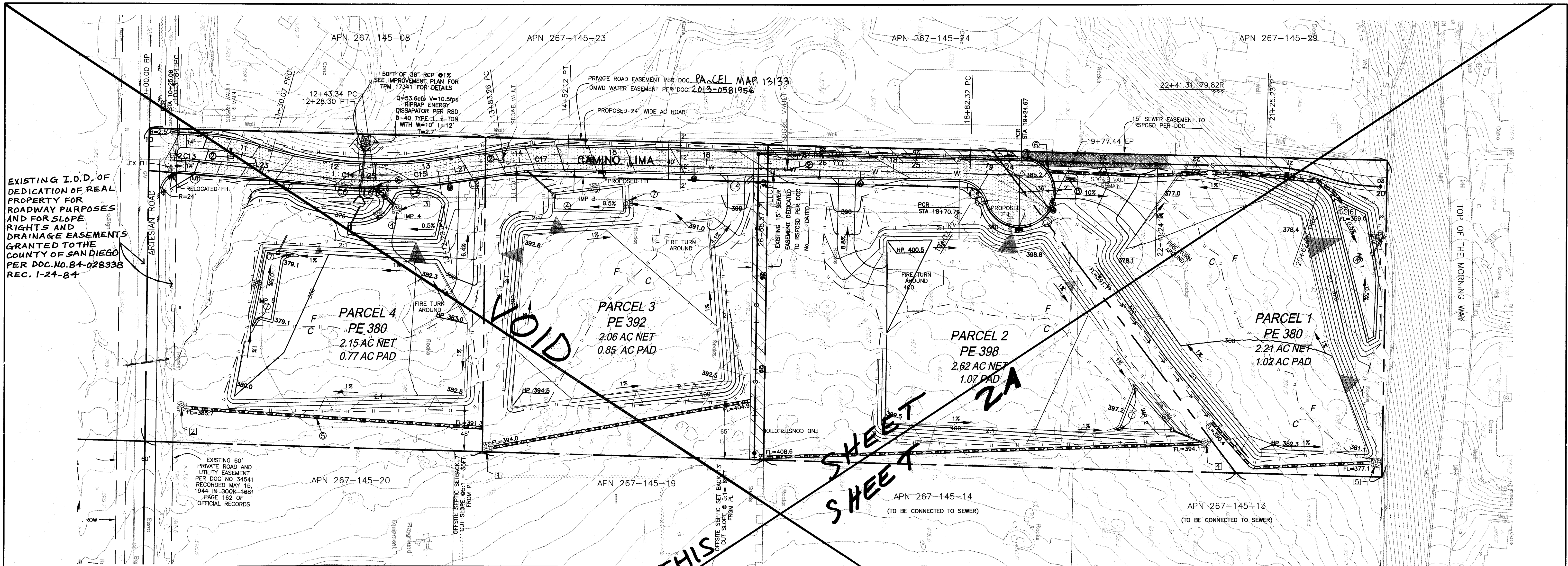
PRIVATE CONTRACT

SHEET 1 COUNTY OF SAN DIEGO DEPARTMENT OF PUBLIC WORKS 8 SHEETS
GRADING PLANS FOR:
LOT GRADING
PARCELS 1-4 TPM 17341 & PARCELS 1&4 19618
CALIFORNIA COORDINATE INDEX: 310-1719
Approved Mohamed Fakhriddine, COUNTY ENGINEER
By: Kenneth G. Bragg, Jr.
11-01-13
Grading Permit No. L15684

FILE NO.5445

PDS2014-LDPCHG-00116
PDS2014-LDPCHG-00072

ENGINEER'S NAME: SAN DIEGUITO ENGINEERING, INC. - Civil Landworks Δ
PHONE NO. (760) 753-5525 760-908-8745



RIP RAP TABLE

Brow Ditch	Q100 (cfs)	V100 (ft/sec)	TYPE	SIZE	LENGTH (ft)	WIDTH (ft)	THICKNESS (ft)
1 A-1	8.5	12.7	1	1/2 ton	10	6	3.5
2 A-2	14.4	16.6	2	No. 2 Backing	12	9	1.1
3 A-3	3.2	10.1	1	1/4 ton	10	6	2.7
4 B-1	1.0	1.0	1	1/2 ton	10	6	3.5
5 B-2	3.4	14.1	1	1/2 ton	10	6	3.5
6 B-3	4.1	13.1	1	1/2 ton	10	6	3.5

DMA/IMP SIZING TABLE AND DETAILS

IMP	BIORETENTION AREA (sqft)	D1 (ft)	D2 (ft)	ORIFICE Diameter (in)	HEAD (ft)	Top of Grate Elev
1	3015	1.5	1	2.18	3.33	358.8
2	1239	1.5	1	1.55	3.33	369.9
3	1516	1	1	1.97	2.83	363.7
4	2871	2	1.5	1.97	4.33	369.7
5	1161	1.5	1	1.48	3.33	378.8
6	365	1.5	1.5	0.85	3.83	397.3
7	980	1.5	1	1.2	3.33	402.6
8	1090	1.5	1	1.34	3.33	355.8

Curve Table: Easement

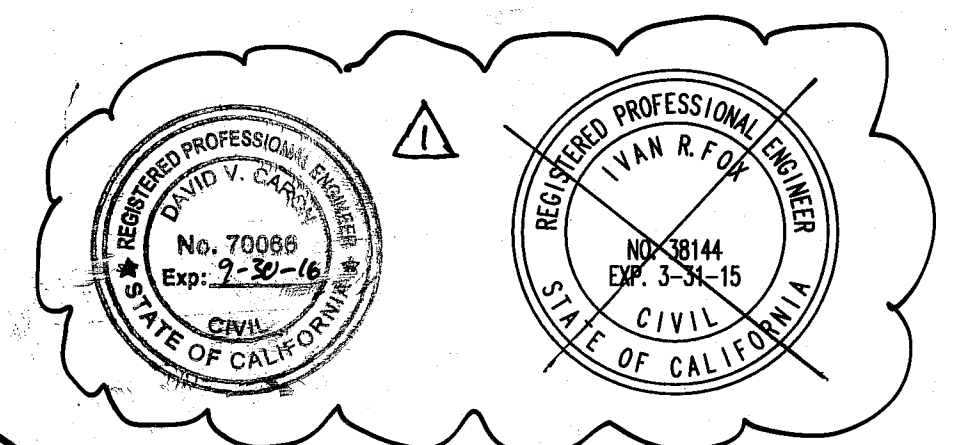
Curve #	Length	Radius	Delta
1	167.02	38.00	251.84
2	5.57	30.00	10.63
3	20.90	20.00	59.88
4	56.49	414.00	7.82
5	14.79	414.00	2.05
6	25.42	414.00	3.52

Line Table: Easement

Line #	Length	Direction
1	6.00	S88° 33' 20.43"E
2	495.40	S1° 26' 39.57"W
3	69.35	S8° 25' 11.77"E
4	15.04	S1° 26' 40.44"W
5	71.15	S4° 57' 43.73"W
6	129.76	S4° 32' 33.15"W

CONSTRUCTION NOTES

- FOR ROAD IMPROVEMENTS SEE IMPROVEMENT PLANS FOR TPM 17341
- FACILITY TO BE RELOCATED BY OTHERS
- FACILITY TO BE ADJUSTED TO GRADE BY OTHERS
- CONSTRUCT DETENTION BASIN (IMP) PER DETAIL LEFT
- BROW DITCH PER RSD D-75 MODIFIED TYPE B TO 3' DIAMETER
- CONSTRUCT AC SPILLWAY PER RSD D-22
- CONSTRUCT RIP RAP DOWN DRAIN WITH NO.2 BACKING



PRIVATE CONTRACT

SHEET 2 COUNTY OF SAN DIEGO DEPARTMENT OF PUBLIC WORKS 8 SHEETS

GRADING PLAN FOR: LOT GRADING PARCELS 1-4 TPM 17341

CALIFORNIA COORDINATE INDEX: 310 719

Approved: Mohamed Fakhridine COUNTY ENGINEER

By: Kenneth G. Bragel CIVIL

Date: 11-01-13

Grading Permit No. L15684

PERMITS

B/C

REZONE PERMIT NO.

SPECIAL USE PERMIT NO.

TENTATIVE MAP NO. 17341

NOI

COUNTY APPROVED CHANGES

No. Description Approved by Date

CHANGE ENGINEER OF RECORD/WORK K9B 2/24/15

VOID THIS SHEET REPLACED W/ SHEET 2A PERMIT RENEWAL

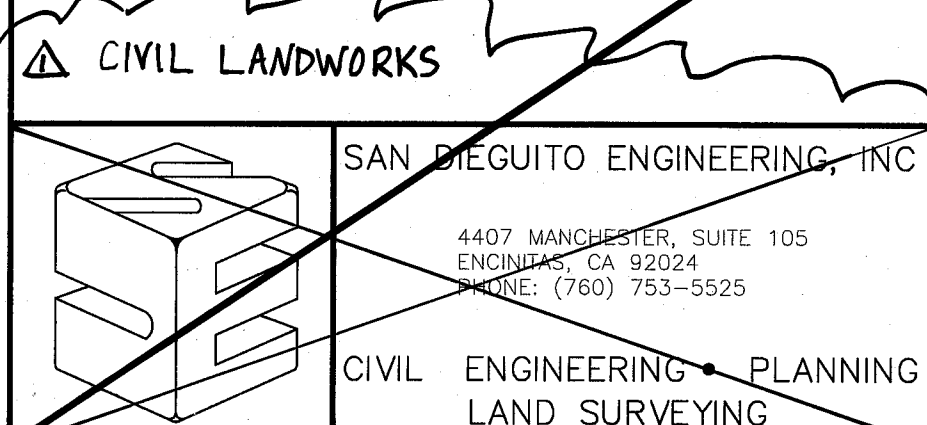
BENCH MARK

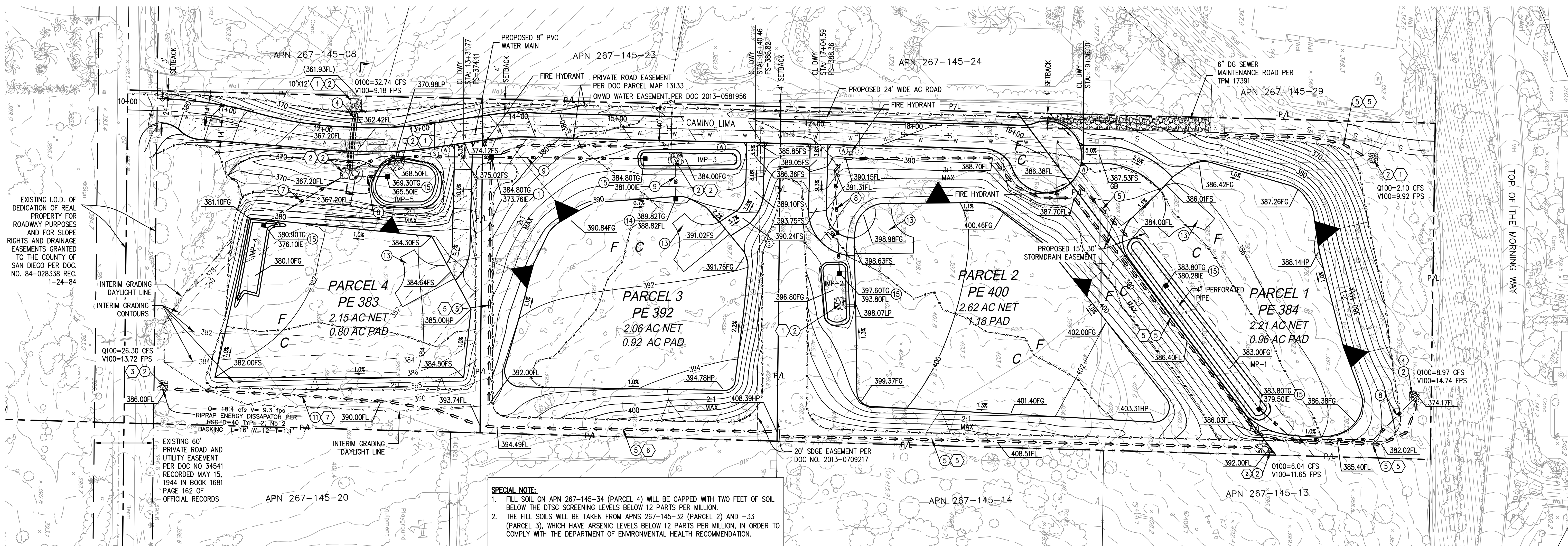
DESCRIPTION: NORTHWEST BRASS PLUG - TOP INLET

LOCATION: CAMINO DEL SUR AT ARTESIAN ROAD

RECORD FROM: CITY OF SAN DIEGO

ELEVATION: 469.47 DATUM: M.S.L.

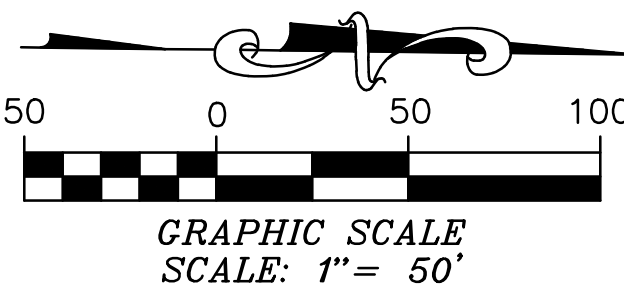




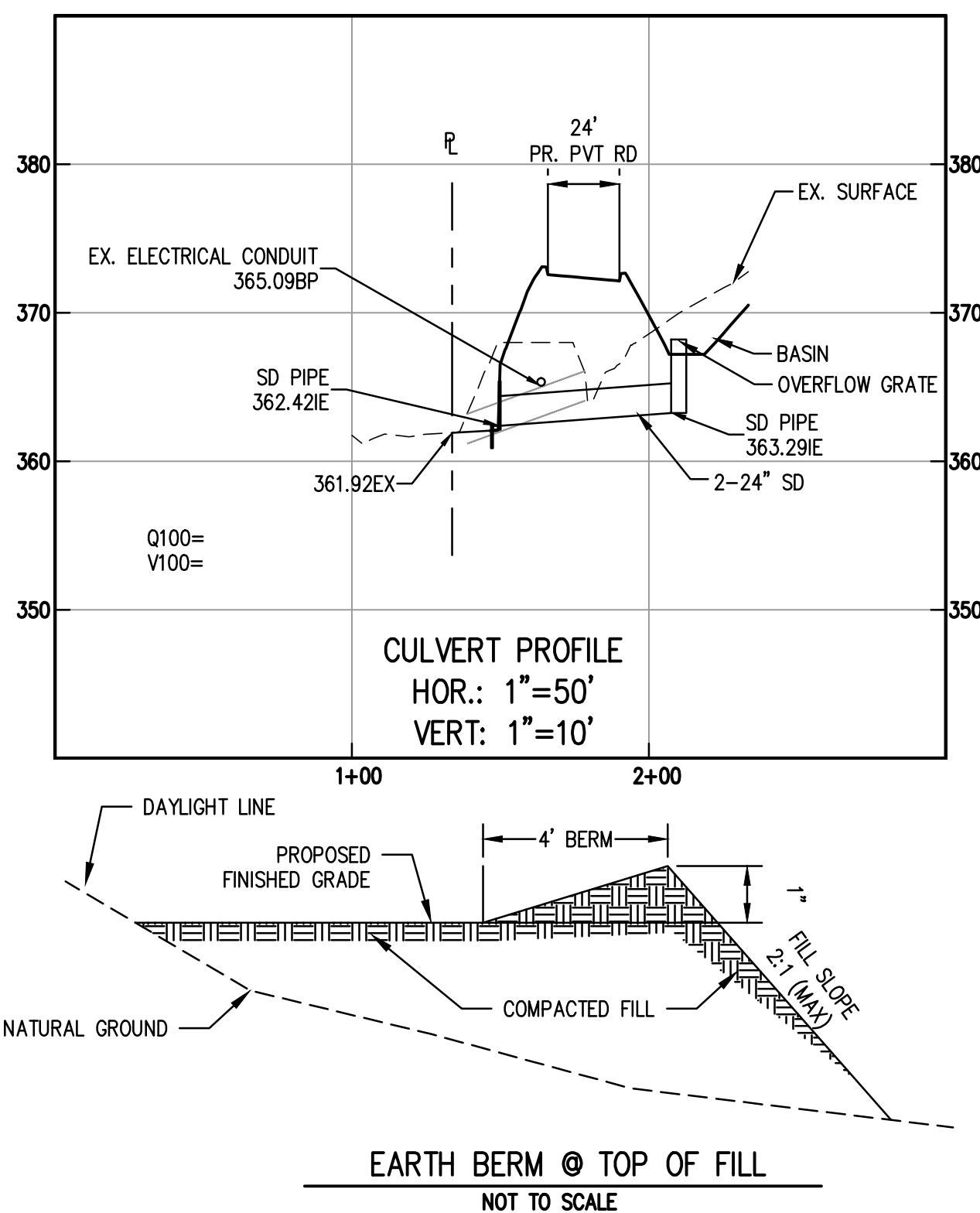
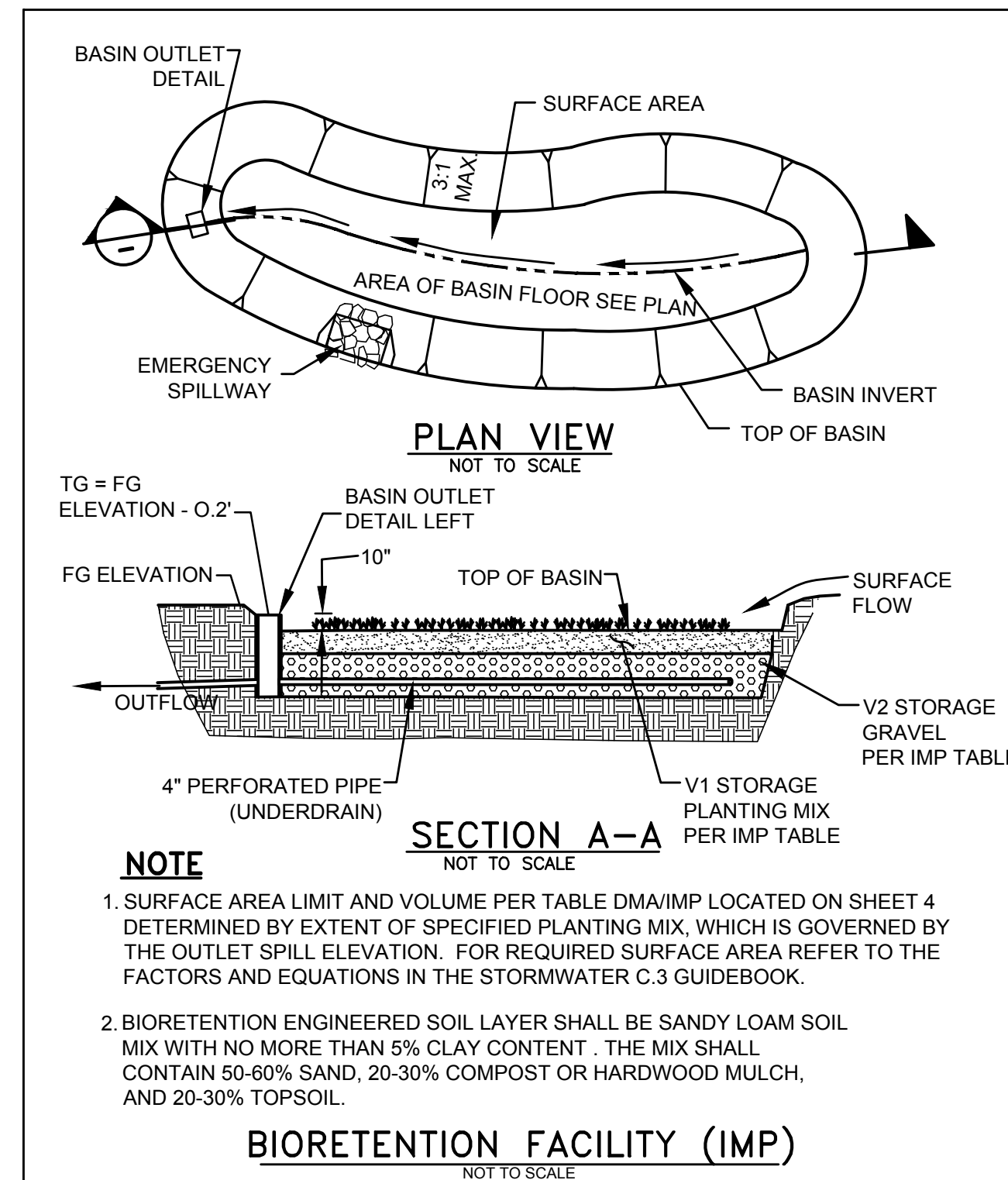
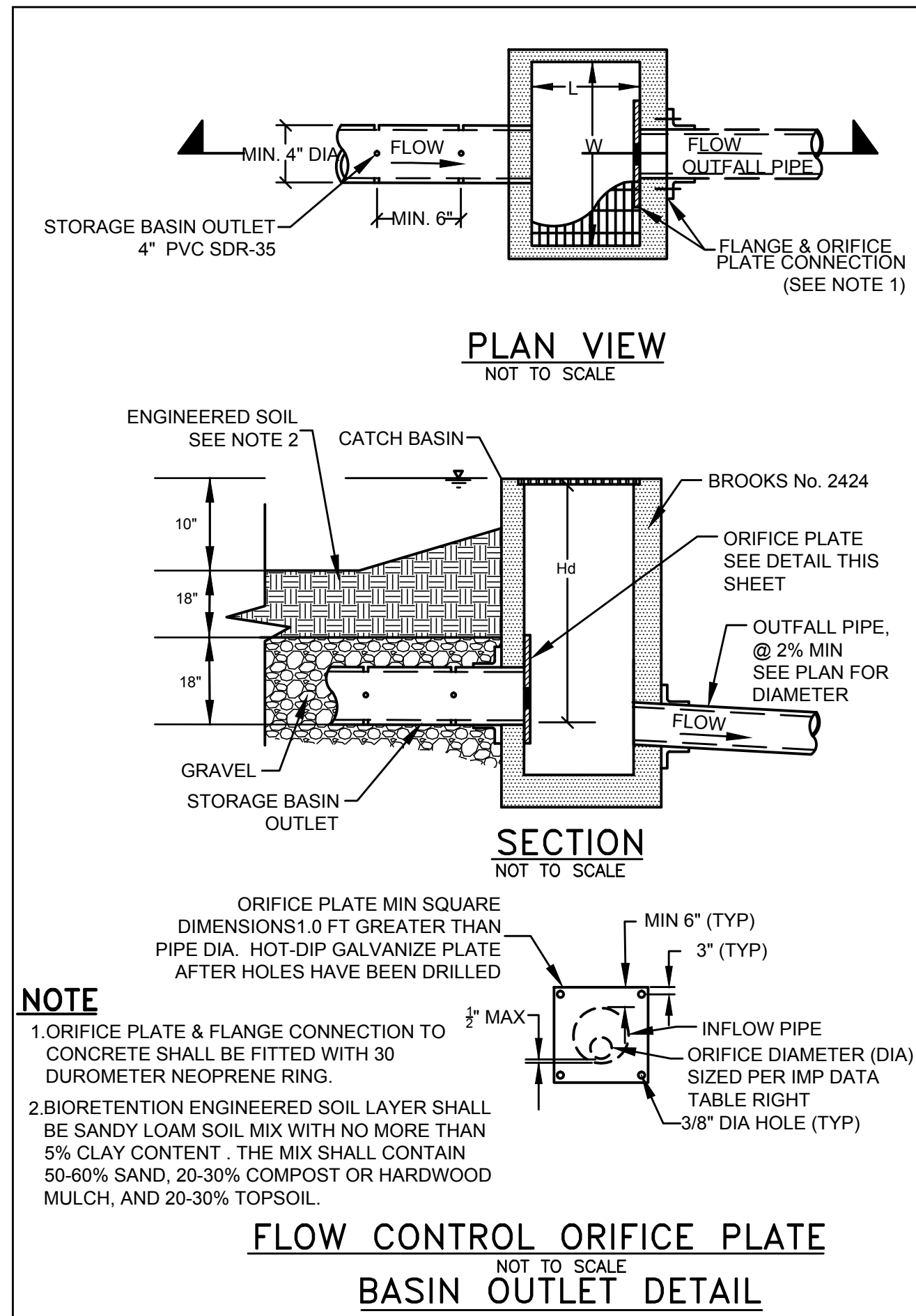
CONSTRUCTION NOTES:

1. CONSTRUCT TYPE F CATCH BASIN PER SDRSD D-07
2. CONSTRUCT RIP RAP PER SDRSD D-40.
3. 6" HDPE STORM DRAIN
4. 2-24" HDPE STORM DRAIN
5. BROW DITCH PER SDRSD D-75, TYPE B
6. LEACH LINE
7. 9" HDPE STORM DRAIN
8. 12" HDPE STORM DRAIN
9. 15" HDPE STORM DRAIN
10. STRAIGHT HEADWALL PER SDRSD D-30
11. BROW DITCH PER SDRSD D-75, TYPE D
12. AC BERM PER SDRSD G-5 TYPE A
13. FIRE DEPARTMENT TURN AROUND
14. 2'X2' BROOKS BOX INLET OR EQUIVALENT
15. 1'X1' RAISED BROOKS BOX OR EQUIVALENT

1. NO. 2 BACKING, T=1.1', L=10'
2. 1/4 TON BACKING, T=2.7', L=10'
3. 1/2 TON BACKING, T=3.5', L=10'
4. 1 TON BACKING, T=4.4', L=10'
5. WIDTH = 24"
6. WIDTH = 36"
7. WIDTH = 48"



SPECIAL NOTE:
1. FILL SOIL ON APN 267-145-34 (PARCEL 4) WILL BE CAPPED WITH TWO FEET OF SOIL BELOW THE DTSC SCREENING LEVELS BELOW 12 PARTS PER MILLION.
2. THE FILL SOILS WILL BE TAKEN FROM APNS 267-145-32 (PARCEL 2) AND -33 (PARCEL 3), WHICH HAVE ARSENIC LEVELS BELOW 12 PARTS PER MILLION, IN ORDER TO COMPLY WITH THE DEPARTMENT OF ENVIRONMENTAL HEALTH RECOMMENDATION.



ORIFICE SIZE DIAMETER (IN)		
PARCEL 1	IMP 1	1.07
PARCEL 2	IMP 2	1.12
PARCEL 3	IMP 3	1.03
PARCEL 4	IMP 4	1.04
PARCEL 4	IMP 5	0.65

RECORD PLAN

BY: _____ NAME _____ DATE: _____

R.C.E. _____

EXPIRES: _____

PRIVATE CONTRACT

SHEET 2A COUNTY OF SAN DIEGO DEPARTMENT OF PUBLIC WORKS 13 SHEETS

GRADING PLAN FOR: LOT GRADING PARCELS 1-4 TPM 17341

CALIFORNIA COORDINATE INDEX: 310-1719

APPROVED FOR WILLIAM P. MORGAN COUNTY ENGINEER

By: _____ DATE _____

ENGINEER OF WORK: 10-13-17 DAVID CARON RCE 70066

Grading Permit No. L15684

Civil Landworks

110 COPPERWOOD WAY, SUITE P, OCEANSIDE, CA 92058
PH: 760-908-8745 • info@civillandworks.com

ARTESIAN ROAD IS ACCEPTED SOLELY FOR THE PURPOSE OF DESIGNATING THE ROAD FOR PUBLIC USE. THE COUNTY BY THIS ACTION IS NOT ACCEPTING THE ROAD INTO THE COUNTY MAINTAINED SYSTEM AND THE COUNTY WILL NOT BE RESPONSIBLE FOR MAINTENANCE.

APN 267-146-04

EASEMENT FOR PUBLIC ROADWAY PURPOSES TOGETHER WITH THE RIGHT TO EXTEND AND MAINTAIN DRAINAGE FACILITIES, AND EXCAVATION AND EMBANKMENT SLOPES BEYOND THE LIMITS OF SAID RIGHT OF WAY DEDICATED AND ACCEPTED HEREON.

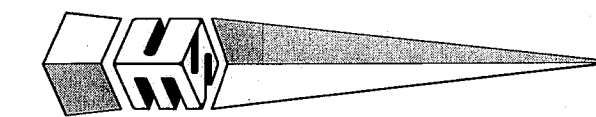
EXISTING 20' EASEMENT TO OLIVE
MAIN MUNICIPAL WATER DISTRICT
PER DOC FIP 203594, RECORDED
11-9-65, O.R.

EXISTING 20' EASEMENT TO
SAN DIEGO GAS & ELECTRIC
COMPANY PER DOC. FIP 90-104235
RECORDED 2-27-90, O.R.

EXISTING 40' PRIVATE ROAD
EASEMENT PER DOC F/P
75-201596 RECORDED 7-31-75
8 DOC 89-526953 RECORDED 9-29-89, 0

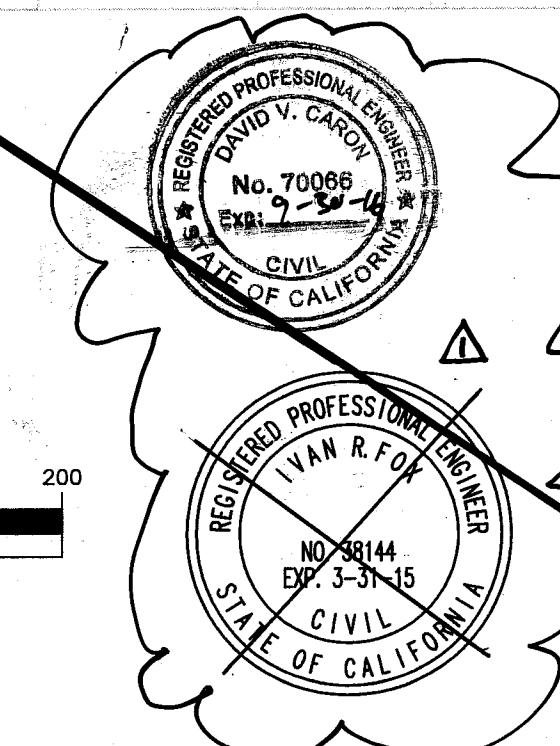
DMA/IMP SIZING TABLE AND DETAILS

IMP	BIORETENTION AREA (sqft)	D1 (ft)	D2 (ft)	ORIFICE Diameter (in)	HEAD (ft)	Top of Grate Elev
1	3015	1.5	1	2.18	3.33	359.8
2	1239	1.5	1	1.55	3.33	369.9
3	1516	1	1	1.97	2.83	383.7
4	2871	2	1.5	1.97	4.33	369.7
5	1164	1.5	1	1.48	3.33	378.8
6	365	1.5	1.5	0.85	3.83	397.3
7	980	1.5	1	1.2	3.33	402.6
8	1090	1.5	1	1.34	3.33	355.8



GRAPHIC SCALE

(IN FEET)
1 inch = 50 ft.



PRIVATE CONTRACT

SHEET 3	COUNTY OF SAN DIEGO DEPARTMENT OF PUBLIC WORKS	8 SHEETS
------------	---	-------------

GRADING PLAN FOR:
LOT GRADING
PARCELS 1&4 TPM 19618

CALIFORNIA COORDINATE INDEX: 310 4719

Approved Mohamed Fakhrididine
COUNTY ENGINEER

By: Kenneth Beazell

11-01-13 Date

Grading
Permit No. L15684

Engineer of Work:
DAVID CARON

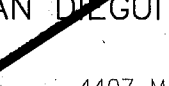
HWAY 6 FOX RD 38144
DAVID CARON 70066

ENGINEER'S NAME:

PHONE NO. ~~(760) 753-5525~~ 760-908-8745

FILE NO.5445

△ CIVIL LANDWORKS



SAN DIEGO ENGINEERING, INC.

4407 MANCHESTER, SUITE 105
ENCINITAS, CA 92024
PHONE: (760) 753-5525

CIVIL ENGINEERING • PLANNING
LAND SURVEYING

NOT TO SCALE

FLOW CONTROL ORIFICE PLATE

NOT TO SCALE

BASIN OUTLET DETAIL

BIORETENTION FACILITY (IMP)

PERMITS	
B/C	
REZONE PERMIT NO.	
SPECIAL USE PERMIT NO.	
TENTATIVE MAP NO.	19618
NOI	

COUNTY APPROVED CHANGES

No.	Description
1	CHANGE ENGINEER OF RECORD
2	VOID THIS SHEET REPLACED W/ SHEET 3A
3	PERMIT RENEWAL

BENCH MARK

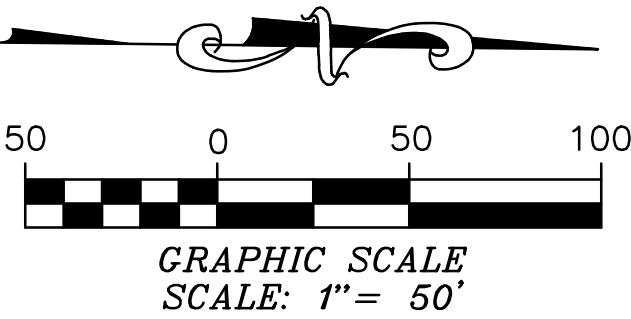
DESCRIPTION: NORTHWEST BRASS PLUG - TOP INLET
LOCATION: CAMINO DEL SUR AT ARTESIAN ROAD
RECORD FROM: CITY OF SAN DIEGO
ELEVATION: 469.47 DATUM: M.S.L.

U:\1866\Civil 3D\5445 Bagley\DWG\5445_FINAL_CHT_CD_03_03 GRADING.dwg 20130808

CONSTRUCTION NOTES:

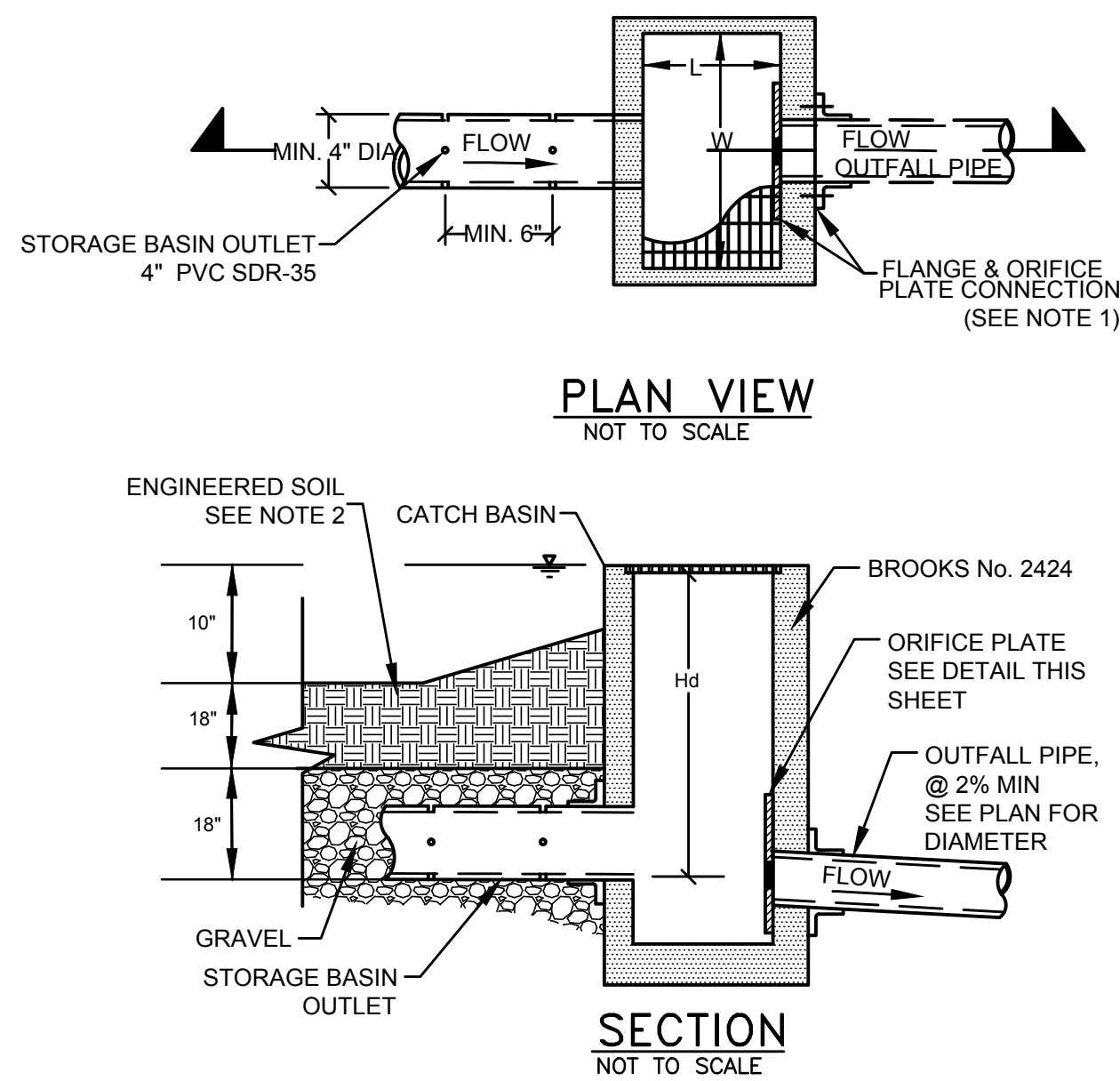
- 1 CONSTRUCT TYPE F CATCH BASIN PER SDRSD D-07
- 2 CONSTRUCT RIP RAP PER SDRSD D-40.
- 3 6" HDPE STORM DRAIN
- 4 2-24" HDPE STORM DRAIN
- 5 BROW DITCH PER SDRSD D-75, TYPE B
- 6 LEACH LINE
- 7 9" HDPE STORM DRAIN
- 8 12" HDPE STORM DRAIN
- 9 15" HDPE STORM DRAIN
- 10 STRAIGHT HEADWALL PER SDRSD D-30
- 11 BROW DITCH PER SDRSD D-75, TYPE D
- 12 AC BERM PER SDRSD G-5 TYPE A
- 13 FIRE DEPARTMENT TURN AROUND
- 14 2'X2' BROOKS BOX INLET OR EQUIVALENT
- 15 1'X1' RAISED BROOKS BOX OR EQUIVALENT

- 1 NO. 2 BACKING, T=1.1', L=10'
- 2 1/4 TON BACKING, T=2.7', L=10'
- 3 1/2 TON BACKING, T=3.5', L=10'
- 4 1 TON BACKING, T=4.4', L=10'
- 5 WIDTH = 24"
- 6 WIDTH = 36"
- 7 WIDTH = 48"



Civil Landworks

110 COPPERWOOD WAY, SUITE P, OCEANSIDE, CA 92058
PH: 760-908-8745 • info@civillandworks.com

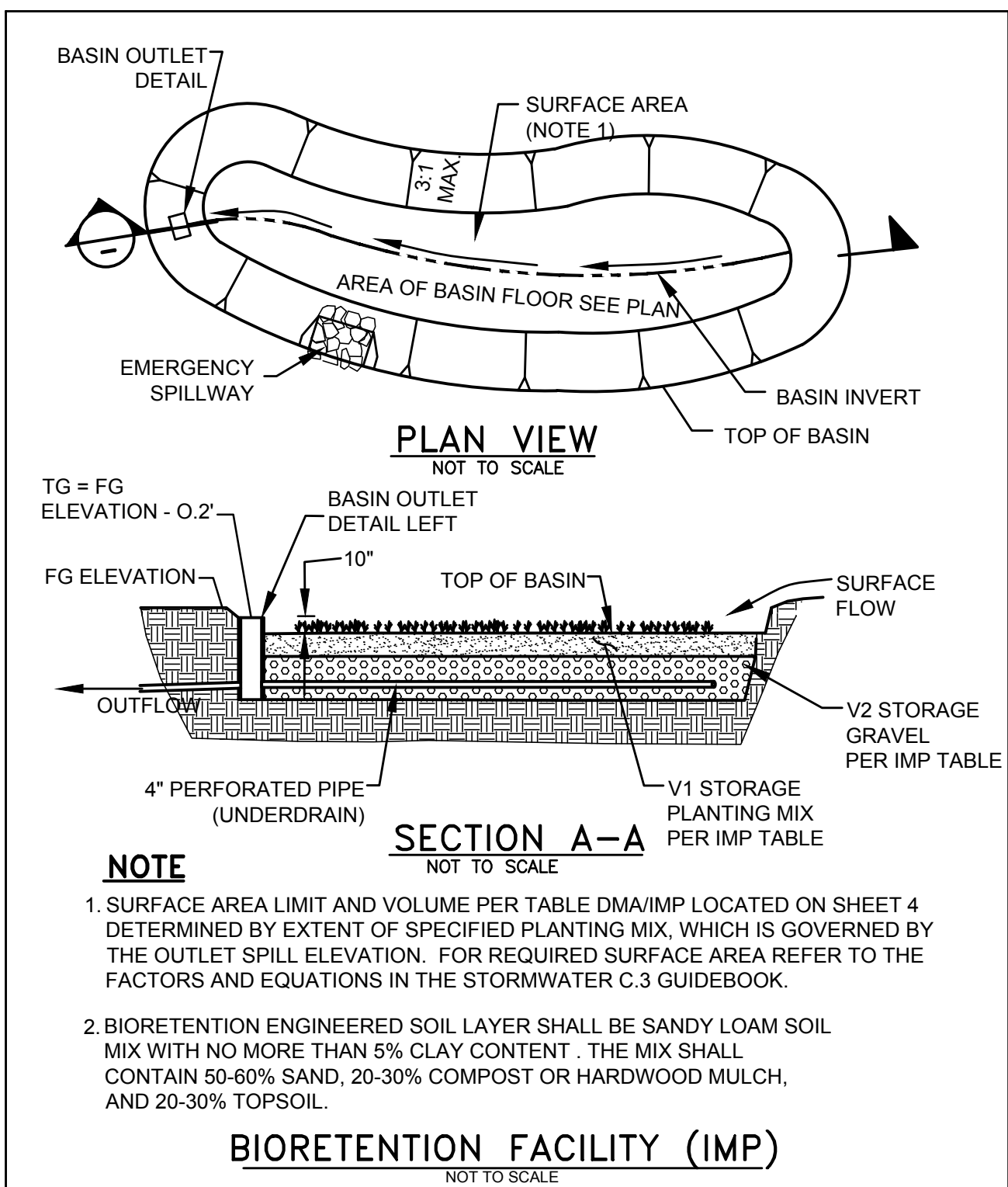


NOTE

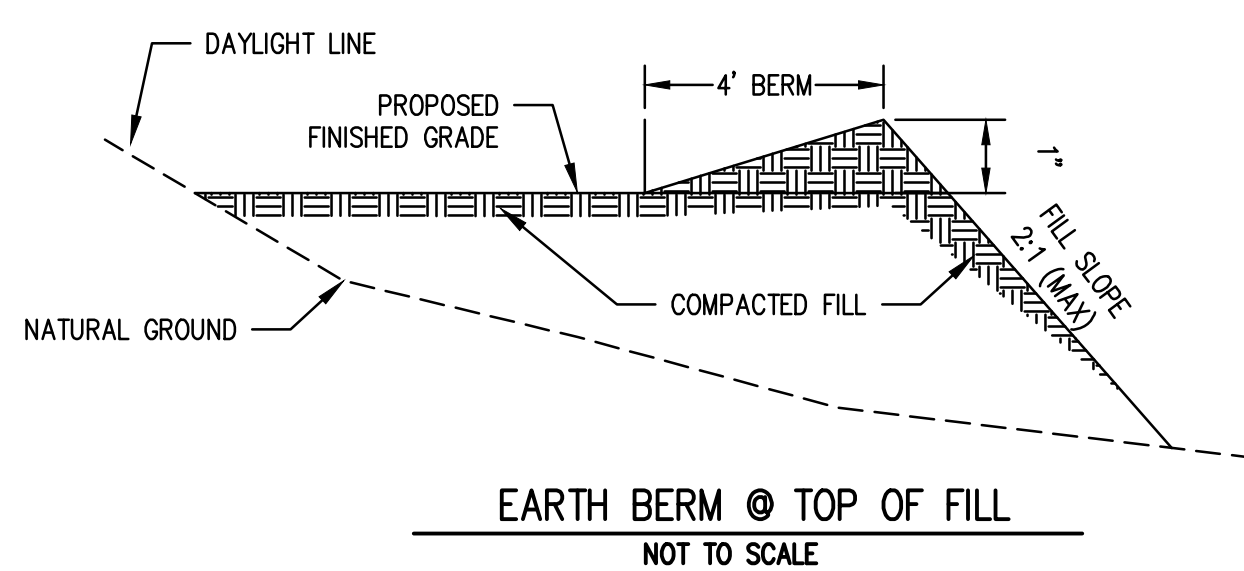
1. ORIFICE PLATE & FLANGE CONNECTION TO CONCRETE SHALL BE FITTED WITH 30 DUROMETER NEOPRENE RING.
2. BIORETENTION ENGINEERED SOIL LAYER SHALL BE SANDY LOAM SOIL MIX WITH NO MORE THAN 5% CLAY CONTENT. THE MIX SHALL CONTAIN 50-60% SAND, 20-30% COMPOST OR HARDWOOD MULCH, AND 20-30% TOPSOIL.

FLOW CONTROL ORIFICE PLATE
BASIN OUTLET DETAIL
NOT TO SCALE

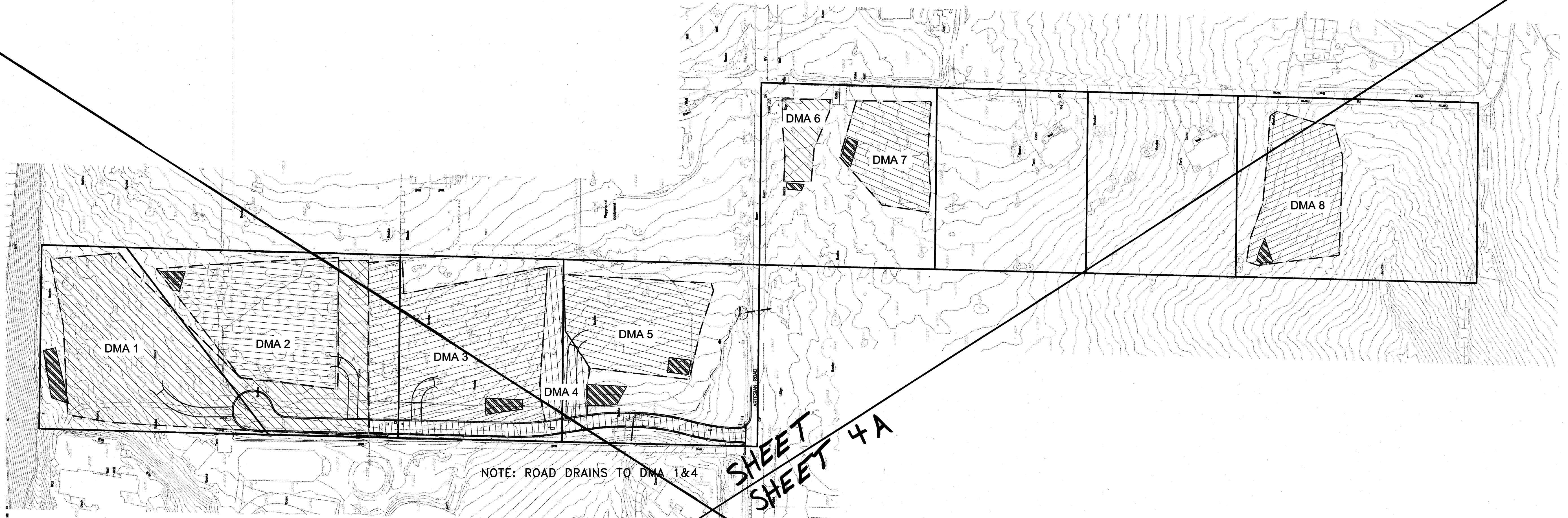
ORIFICE SIZE DIAMETER (IN)		
PARCEL 1	IMP 6	0.8
PARCEL 4	IMP 7	0.77



COUNTY APPROVED CHANGES			BENCH MARK	
No.	Description	Approved by	Date	Description
1	NEW SHEET, REPLACED SHEET 3			NORTHWEST BRASS PLUG - TOP INLET
				LOCATION: CAMINO DEL SUR AT ARTESIAN ROAD
				RECORD FROM: CITY OF SAN DIEGO
				ELEVATION: 469.47 DATUM: M.S.L.



RECORD PLAN		
BY:	NAME	DATE:
R.C.E.		
EXPIRES:		
PRIVATE CONTRACT		
SHEET 3A	COUNTY OF SAN DIEGO DEPARTMENT OF PUBLIC WORKS	13 SHEETS
GRADING PLAN FOR: LOT GRADING PARCELS 1&4 TPM 19618		
CALIFORNIA COORDINATE INDEX: 310-1719		
APPROVED FOR WILLIAM P. MORGAN COUNTY ENGINEER	ENGINEER OF WORK: 10-13-17 DAVID CARON RCE 70066	
By:	Grading Permit No. L15684	
Date		



VOID THIS
REPLACED WITH
SHEET 4A

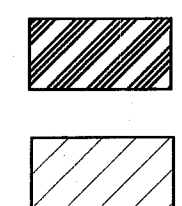
DMA/IMP SIZING TABLE AND DETAILS

IMP	BIORETENTION AREA (sqft)	D1 (ft)	D2 (ft)	ORIFICE Diameter (in)	HEAD (ft)	Top of Grate Elev
1	3015	1.5	1	2.18	3.33	359.8
2	1239	1.5	1	1.55	3.33	369.9
3	1516	1	1	1.97	2.83	383.7
4	2871	2	1.5	1.97	4.33	369.7
5	1164	1.5	1	1.48	3.33	378.8
6	365	1.5	1.5	0.85	3.83	397.3
7	980	1.5	1	1.2	3.33	402.6
8	1090	1.5	1	1.34	3.33	355.8

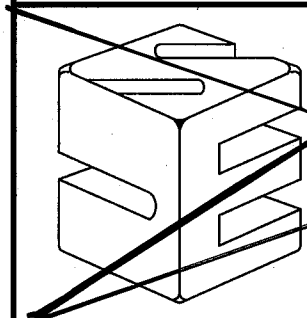
DMA LEGEND

STORM WATER TREATMENT FACILITY
(IMP LOCATION FOR DMA AREAS)

DMA AREA



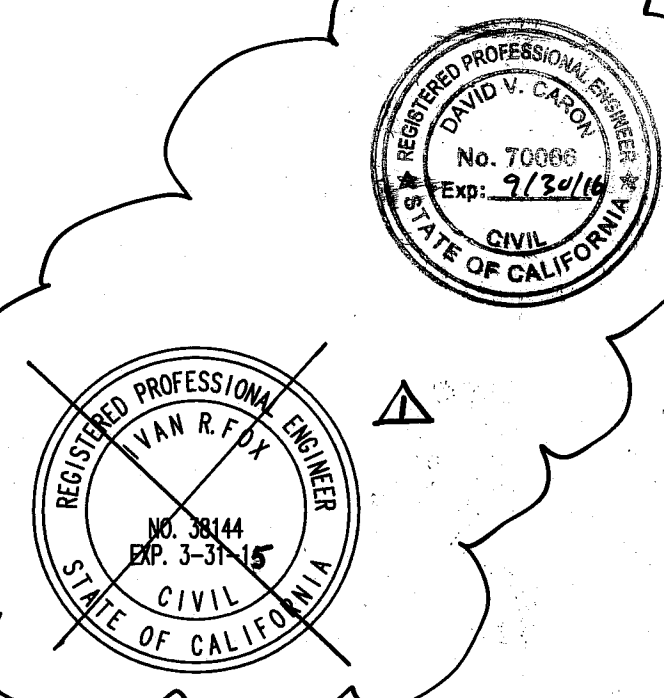
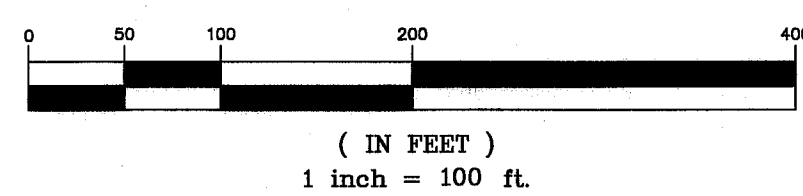
CIVIL LANDWORKS



SAN DIEGUITO ENGINEERING, INC.
4407 MANCHESTER, SUITE 105
ENCINITAS, CA 92024
PHONE: (760) 753-5525

CIVIL ENGINEERING • PLANNING
LAND SURVEYING

GRAPHIC SCALE



PERMITS	COUNTY APPROVED CHANGES	BENCH MARK
B/C _____ REZONE PERMIT NO. _____ SPECIAL USE PERMIT NO. _____ TENTATIVE MAP NO. 19618 & 17341 NOI _____	No. _____ Description CHANGE ENGINEER OF RECORD VOID THIS SHEET REPLACED W/SHEET 4A Approved by KJB Date 2/24/15	DESCRIPTION: NORTHWEST BRASS PLUG - TOP INLET LOCATION: CAMINO DEL SUR AT ARTESIAN ROAD RECORD FROM: CITY OF SAN DIEGO ELEVATION: 469.47 DATUM: M.S.L.

PERMIT RENEWAL

PRIVATE CONTRACT

SHEET 4

COUNTY OF SAN DIEGO
DEPARTMENT OF PUBLIC WORKS

8 SHEETS

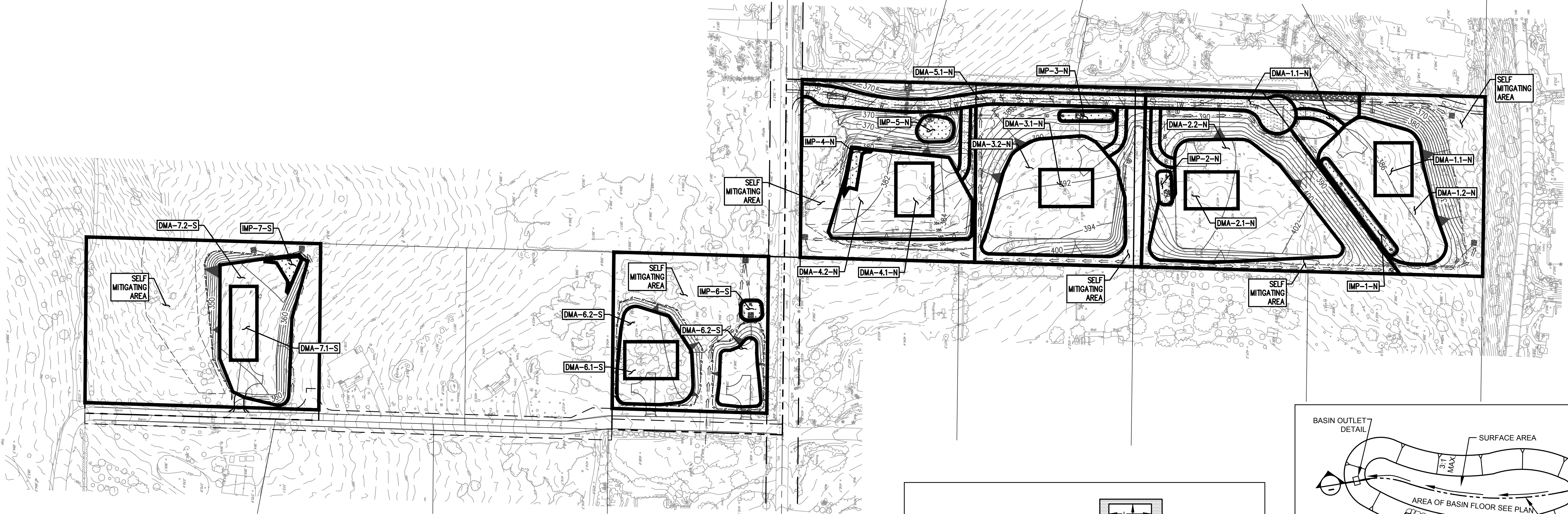
DMA AREAS
PARCELS 1-4 TPM 17341 & PARCELS 1&4 19618

CALIFORNIA COORDINATE INDEX: 310 1719

Approved: **Mohamad Fakhreddine**
COUNTY ENGINEER

By: **Kenneth G. Brang**
11-01-13 Date

Grading Permit No. **L15684**



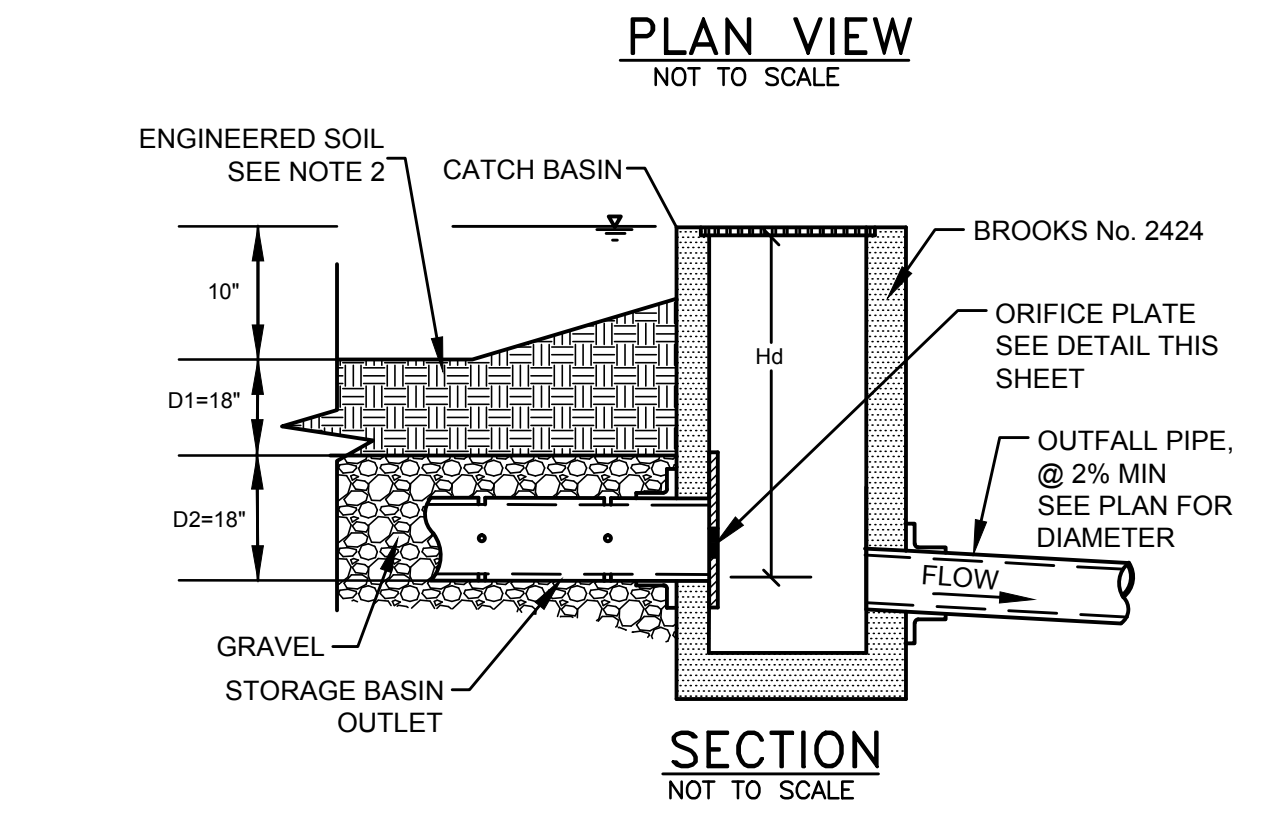
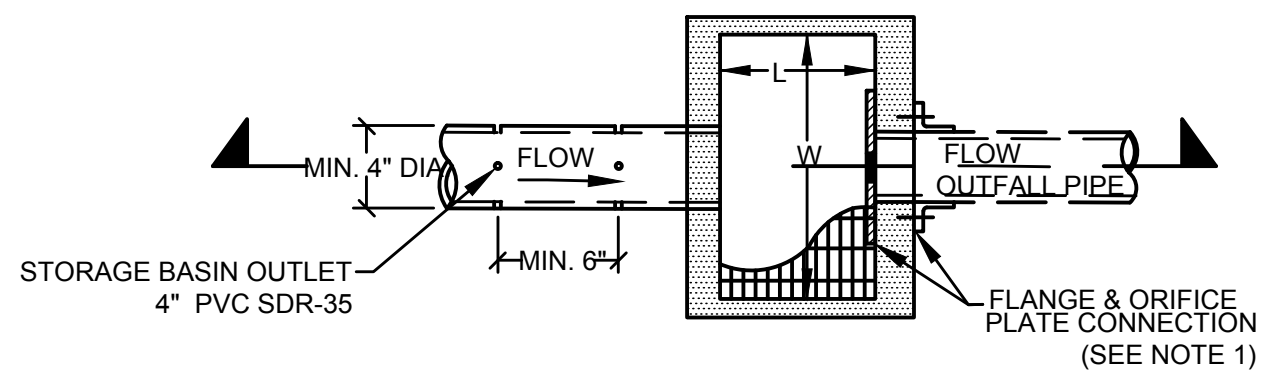
DMA LEGEND

STORM WATER TREATMENT FACILITY
(IMP LOCATION FOR DMA AREAS)

DMA AREA-BOUNDARY



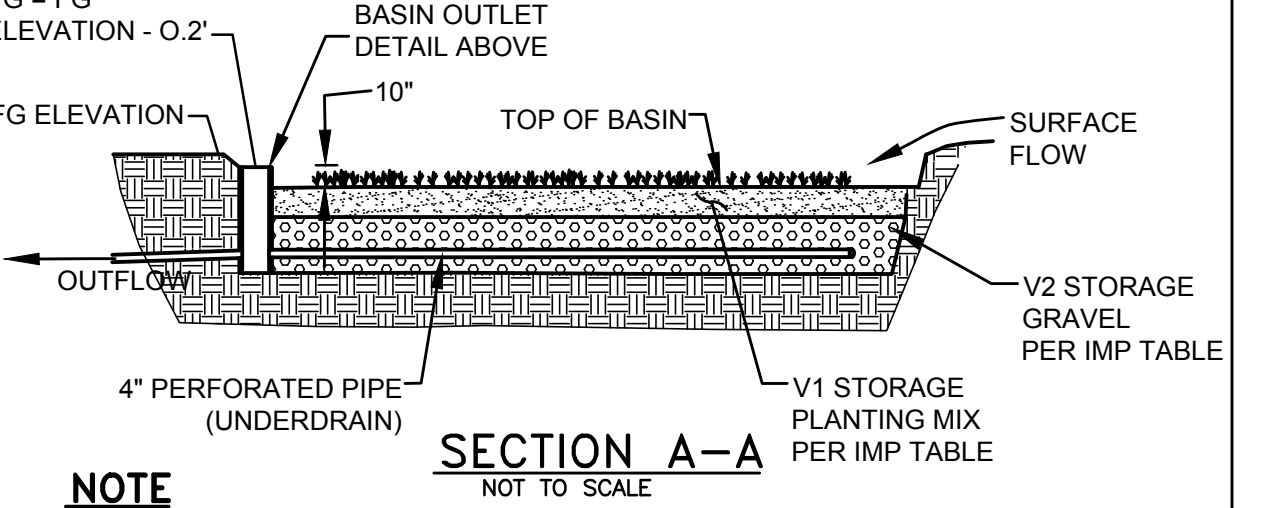
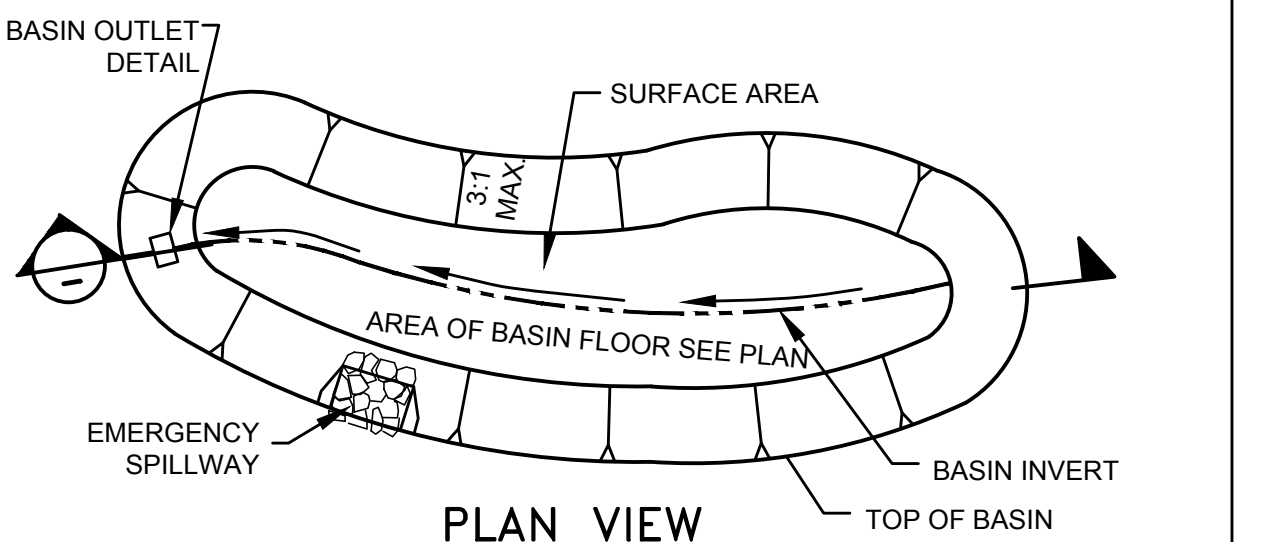
DMA/IMP SIZING TABLE AND DETAILS					
IMP	BIORETENTION AREA (SF)	D1 (FT)	D2 (FT)	ORIFICE DIA. (IN)	TOP OF GRATE ELEV.
NORTH					
1	2,560	1.5	1.5	1.07	383.8
2	1,240	1.5	1.5	1.12	397.6
3	1,190	1.5	1.5	1.03	384.8
4	1,204	1.5	1.5	1.04	380.9
5	2,140	1.5	1.5	0.65	369.3
SOUTH					
6	960	1.5	1.5	0.80	392.2
7	1148	1.5	1.5	0.77	355.3



NOTE

- ORIFICE PLATE & FLANGE CONNECTION TO CONCRETE SHALL BE FITTED WITH 30 DUROMETER NEOPRENE RING.
- BIORETENTION ENGINEERED SOIL LAYER SHALL BE SANDY LOAM SOIL MIX WITH NO MORE THAN 5% CLAY CONTENT. THE MIX SHALL CONTAIN 50-60% SAND, 20-30% COMPOST OR HARDWOOD MULCH, AND 20-30% TOPSOIL.

FLOW CONTROL ORIFICE PLATE
BASIN OUTLET DETAIL



NOTE

- SURFACE AREA LIMIT AND VOLUME PER TABLE DMA/IMP LOCATED ON SHEET 4 DETERMINED BY EXTENT OF SPECIFIED PLANTING MIX, WHICH IS GOVERNED BY THE OUTLET SPILL ELEVATION. FOR REQUIRED SURFACE AREA REFER TO THE FACTORS AND EQUATIONS IN THE STORMWATER C.3 GUIDEBOOK.
- BIORETENTION ENGINEERED SOIL LAYER SHALL BE SANDY LOAM SOIL MIX WITH NO MORE THAN 5% CLAY CONTENT. THE MIX SHALL CONTAIN 50-60% SAND, 20-30% COMPOST OR HARDWOOD MULCH, AND 20-30% TOPSOIL.

BIORETENTION FACILITY (IMP)

RECORD PLAN

BY: _____ DATE: _____
NAME
R.C.E.
EXPIRES: _____

PRIVATE CONTRACT

SHEET 4A COUNTY OF SAN DIEGO DEPARTMENT OF PUBLIC WORKS 13 SHEETS

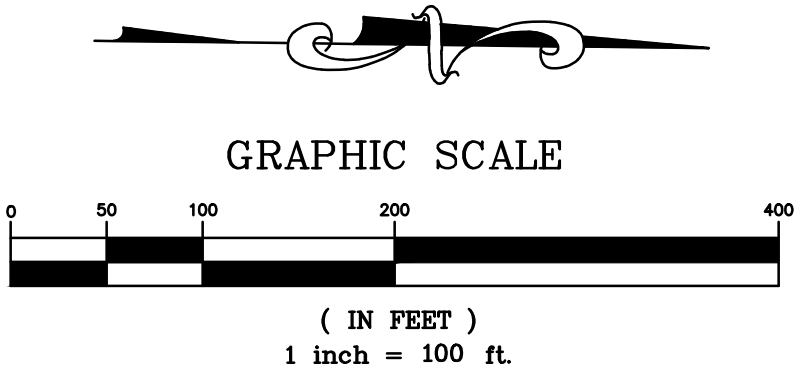
GRADING PLAN FOR:
DMA AREAS
PARCELS 1-4 TPM 17341 & PARCELS 1&4 19618

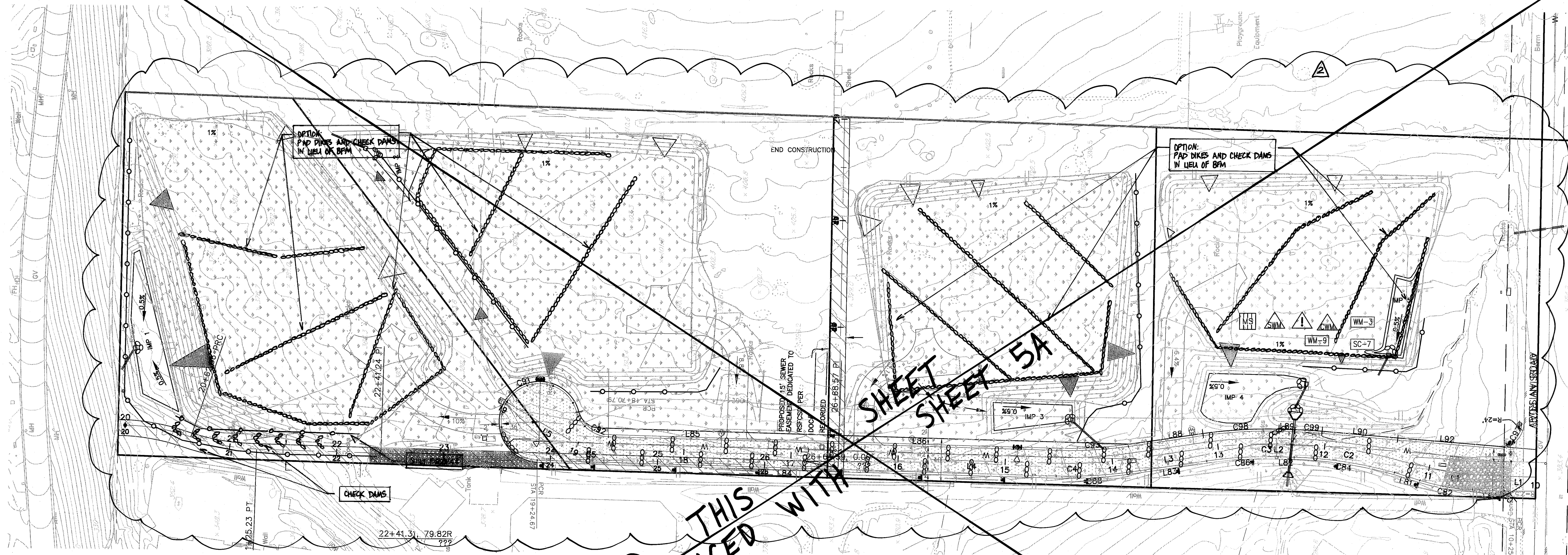
CALIFORNIA COORDINATE INDEX: 310-1719

APPROVED FOR WILLIAM P. MORGAN
COUNTY ENGINEER
By: _____
Date

ENGINEER OF WORK: 10-13-17
DAVID CARON RCE 70066

Grading Permit No. L15684





VOID THIS
REPLACED WITH
SHEET 5A

BMP LEGEND

- GRAVEL BAGS PER SC-4, SC-6
- HYDROSEEDING, PLANTING, GEOTEXTILES, MATS & FIBER ROLLS PER SS-2, SS-3, SS-4, & SS-7.
- STABILIZED CONSTRUCTION ENTRANCE PER TC-1.
- INLET PROTECTION PER SC-10.
- OUTLET PROTECTION PER PSD D-40.
- DITCHES & BERMS PER SS-9.
- MATERIAL DELIVERY AND STORAGE AREA PER WM-1
- SOLID WASTE MANAGEMENT PER WM-5
- HAZARDOUS WASTE MANAGEMENT PER WM-6
- SANITARY WASTE MANAGEMENT WM-9
- CONCRETE WASTE MANAGEMENT PER WM-8
- SILT FENCE PER SC-1
- STOCKPILE MANAGEMENT
- STREET SWEEPING AND VACUUMING PER SC-7

I CERTIFY THAT THE PRIVATE ROAD IMPROVEMENTS AS SHOWN ON THIS PLAN SATISFIES THE REQUIREMENTS AS STATED IN THE FINAL NOTICE OF APPROVAL FOR T.M. 5270 RPL2 AND THE STANDARDS FOR PRIVATE STREETS.

INVESTIGATION BY: IVAN FOX RCE# 38144 DATE: 10/20/13 11-17-14
INSPECTION BY: DAVID CARON 70006

ENGINEER OF WORK
☒ COUNTY
SECURITY REQUIRED:
☐ YES
☒ NO

THE COUNTY IS NOT LIABLE FOR THE DESIGN IN ANYWAY. REVIEWED FOR CLARITY ONLY.

By: Kenneth J. Brazell DATE: 11-01-13
FOR COUNTY ENGINEER

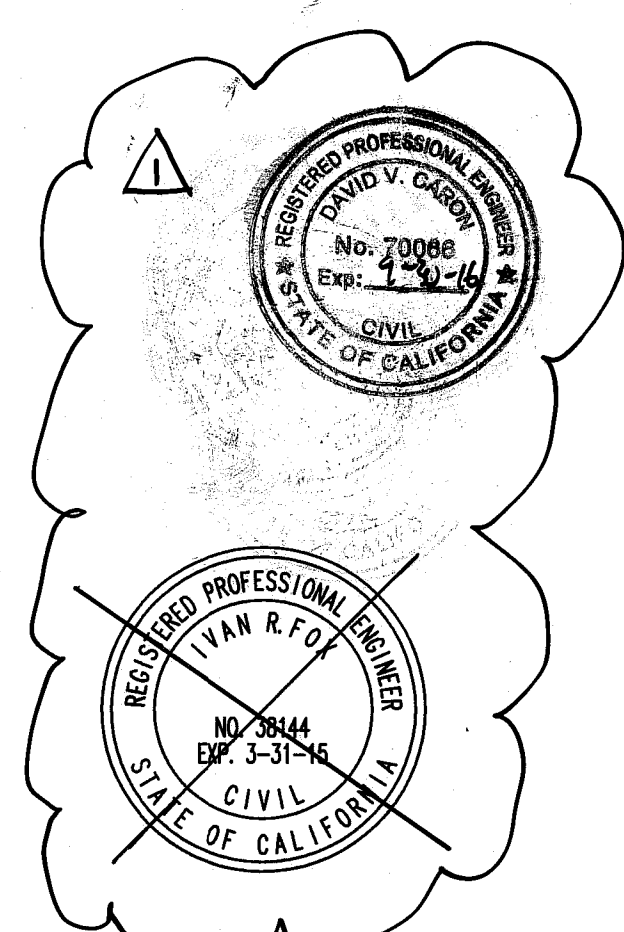
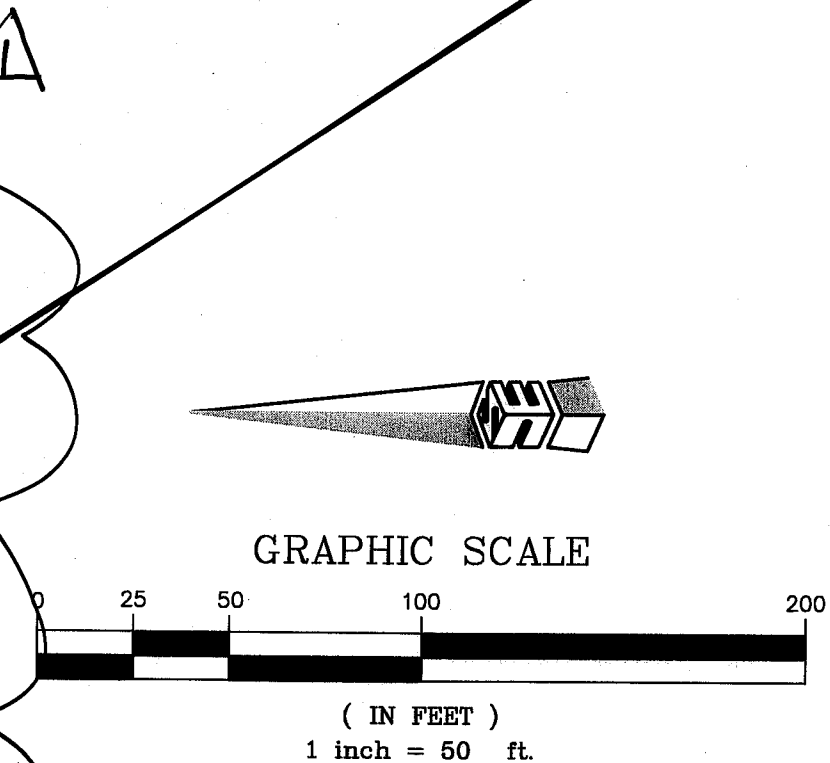
CIVIL LANDWORKS
110 COPPERWOOD WAY, SUITE P
OCEANSIDE, CA 92058
TEL: 760-969-8174

RANCHO SANTA FE FIRE DISTRICT

APPROVED BY: _____
DATE: _____

SAN DIEGO ENGINEERING, INC.
4407 MANCHESTER, SUITE 105
ENCINITAS, CA 92024
PHONE: (760) 753-5525

CIVIL ENGINEERING PLANNING
LAND SURVEYING



COUNTY APPROVED CHANGES			BENCH MARK	
Description	Approved by	Date	DESCRIPTION:	NORTHWEST BRASS PLUG - TOP INLET
CHANGE ENGINEER OF RECORD	KJB	2/24/15	LOCATION:	CAMINO DEL SUR AT ARTESIAN ROAD
REVISE EROSION CONTROL	KJB	2/24/15	RECORD FROM:	CITY OF SAN DIEGO
VOID THIS SHEET			ELEVATION:	469.47
REPLACED W/ SHEET 5A			DATUM:	M.S.L.
PERMIT RENEWAL				

PRIVATE CONTRACT

SHEET 5

COUNTY OF SAN DIEGO
DEPARTMENT OF PUBLIC WORKS

8 SHEETS

EROSION CONTROL PLANS FOR:
BMP LOT GRADING
PARCELS 1-4 TPM 17341
PRIVATE ROAD

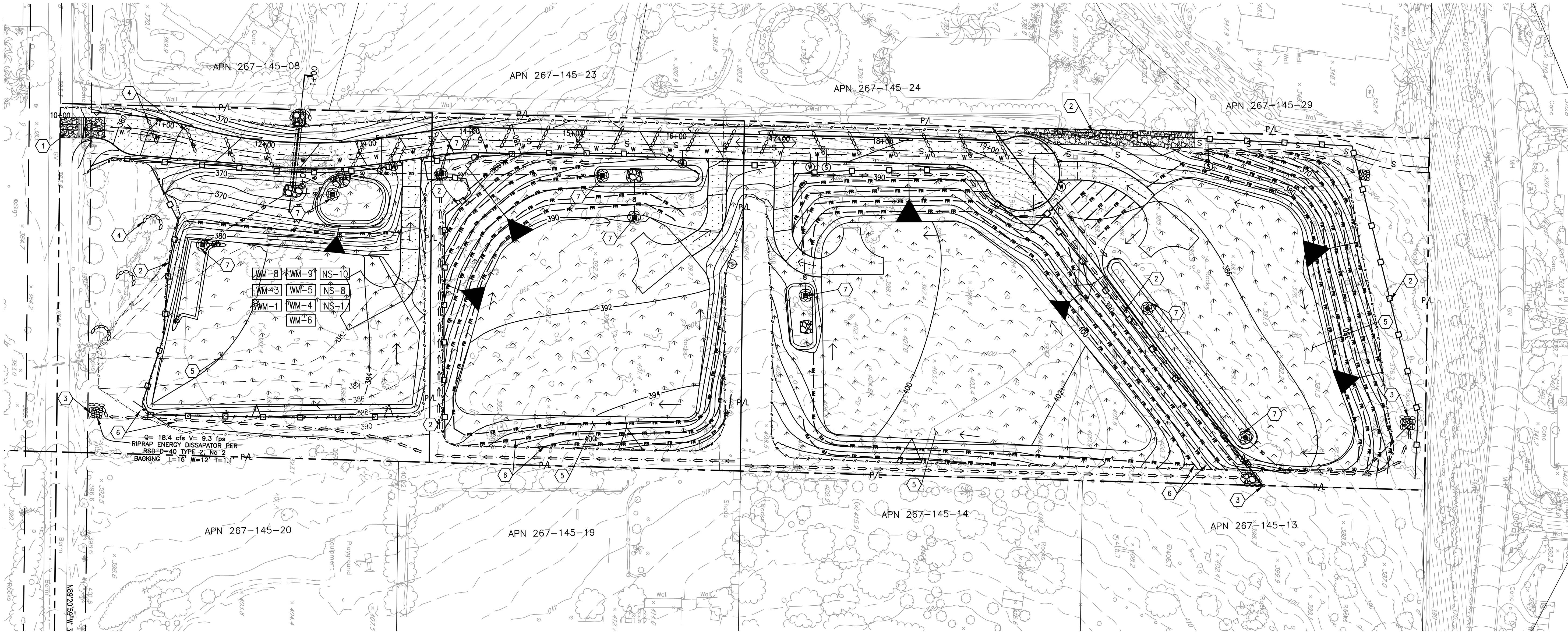
CAL. COORD. 310-1719

Approved: Mohamad Fakhriddine
COUNTY ENGINEER

By: Kenneth J. Brazell
DATE: 11-01-13

Grading Permit No. L15684

ENGINEER'S NAME: **SAN DIEGO ENGINEERING, INC.** CIVIL LANDWORKS
PHONE NO. (760) 753-5525 TEL: 760-969-8174



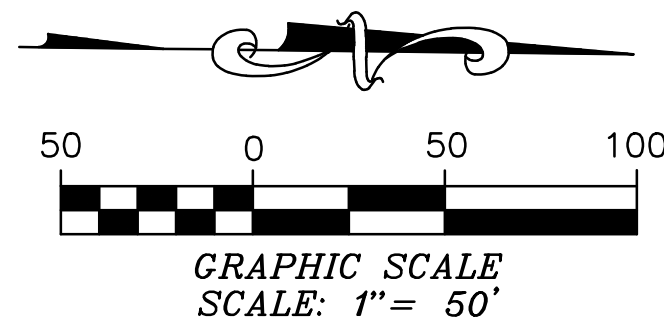
BMP LEGEND (DURING CONSTRUCTION)

DESCRIPTION	SYMBOL
1 STABILIZED CONSTRUCTION ENTRANCE PER CASQA TC-1	
2 SILT FENCE PER CASQA SC-1	
3 OUTLET PROTECTION	
4 CHECK DAMS PER CASQA SE-4	
5 HYDROSEED PER CASQA SS-4	
6 FIBER ROLLS PER CASQA SE-5	
7 INLET PROTECTION PER CASQA SC-10	

GENERAL SITE MANAGEMENT

DESCRIPTION	SYMBOL
MATERIAL DELIVERY & STORAGE:	WM-1
STOCKPILE MANAGEMENT:	WM-3
SPILL PREVENTION AND CONTROL:	WM-4
CONCRETE WASTE MANAGEMENT:	WM-8
SOLID WASTE MANAGEMENT:	WM-5
SANITARY WASTE MANAGEMENT:	WM-9
HAZARDOUS WASTE MANAGEMENT:	WM-6
WATER CONSERVATION PRACTICES:	NS-1
CLEANING:	NS-8
MAINTENANCE:	NS-10

Civil Landworks
110 COPPERWOOD WAY, SUITE P, OCEANSIDE, CA 92058
PH: 760-908-8745 • info@civillandworks.com



COUNTY APPROVED CHANGES

No.	Description	Approved by	Date
1	NEW SHEET, REPLACED SHEET 5		

RECORD PLAN

BY: _____ NAME _____ DATE: _____
R.C.E. _____
EXPIRES: _____

BENCH MARK

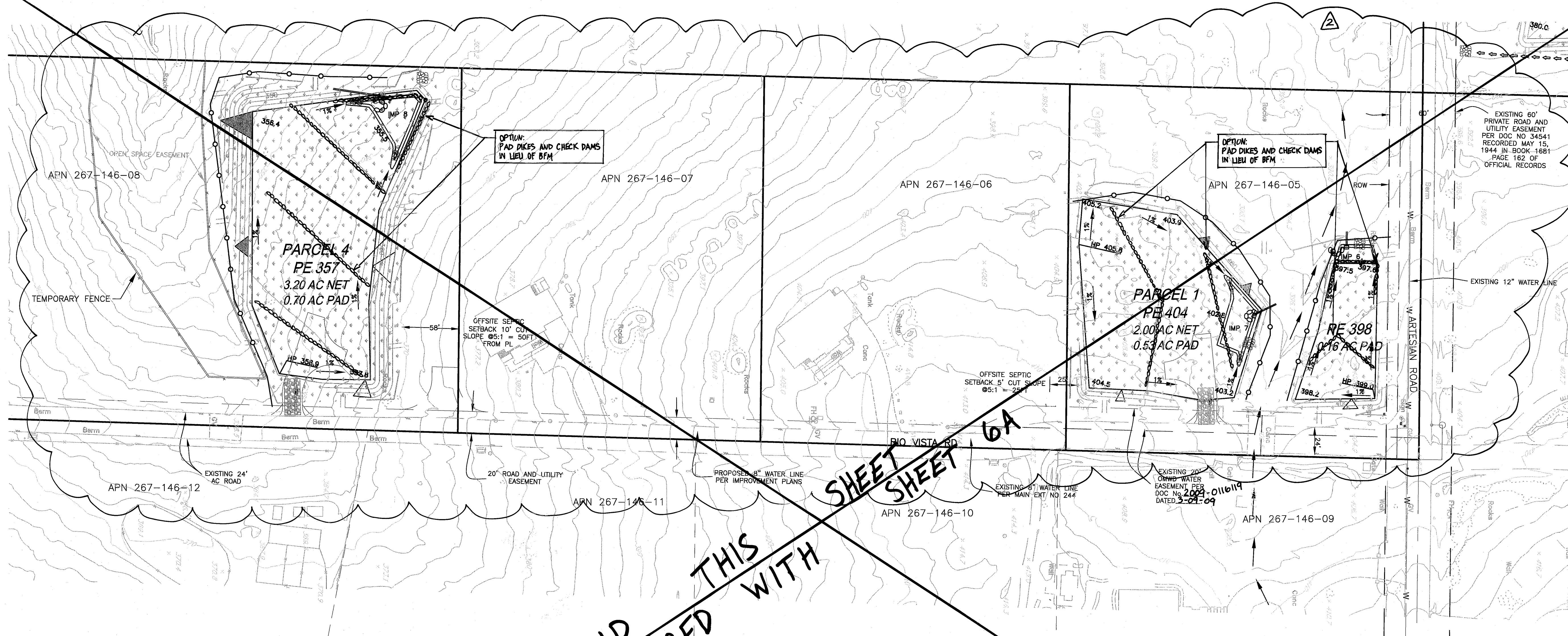
DESCRIPTION: NORTHWEST BRASS PLUG - TOP INLET
LOCATION: CAMINO DEL SUR AT ARTESIAN ROAD
RECORD FROM: CITY OF SAN DIEGO
ELEVATION: 469.47 DATUM: M.S.L.

PRIVATE CONTRACT

SHEET 5A	COUNTY OF SAN DIEGO DEPARTMENT OF PUBLIC WORKS	13 SHEETS
EROSION CONTROL PLAN AND CONSTRUCTION PLAN BMP PLAN PARCELS 1-4 TPM 17341		
CALIFORNIA COORDINATE INDEX: 310-1719		
APPROVED FOR WILLIAM P. MORGAN COUNTY ENGINEER	ENGINEER OF WORK: 10-13-17 DAVID CARON RCE 70066	
By: _____	Grading Permit No. L15684	
Date: _____		

PDS2014-LDPCHG-00072

ENGINEER'S NAME: CIVIL LANDWORKS CORP. (760) 908-8745



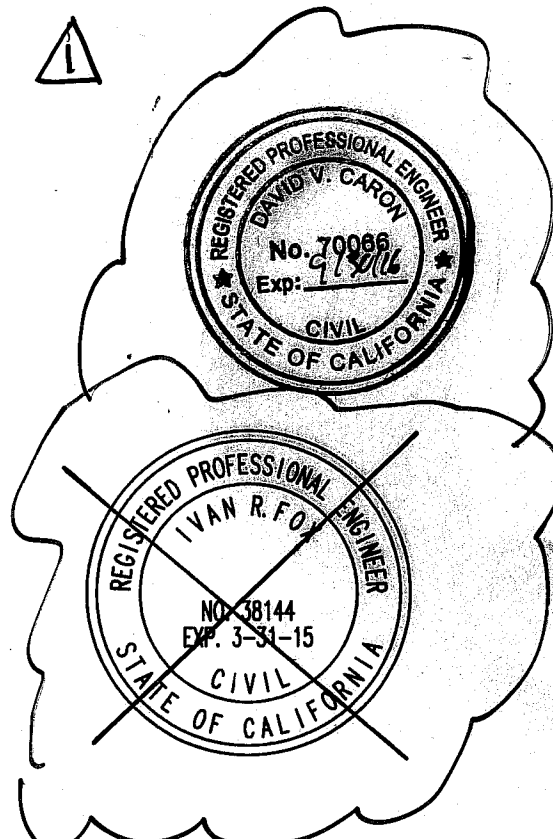
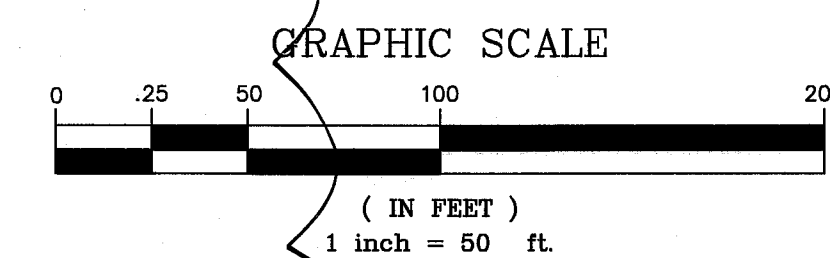
VOID THIS
REPLACED WITH
SHEET 6A

CIVIL LANDWORKS
110 COPPERWOOD WAY, SUITE P
OCEANSIDE, CA 92058
760-908-8745

RANCHO SANTA FE FIRE DISTRICT

APPROVED BY: _____
DATE: _____

SAN DIEGUITO ENGINEERING, INC.
4407 MANCHESTER, SUITE 105
ENCINITAS, CA 92024
PHONE: (760) 753-5525
CIVIL ENGINEERING • PLANNING
LAND SURVEYING



I CERTIFY THAT THE PRIVATE ROAD IMPROVEMENTS AS SHOWN ON THIS PLAN SATISFIES THE REQUIREMENTS AS STATED IN THE FINAL NOTICE OF APPROVAL FOR T.M. 5270 RPL2 AND THE STANDARDS FOR PRIVATE STREETS.

INSPECTION BY: DAVID CARON 10066
DATE: 10/28/13 11-17-14

ENGINEER OF WORK: _____
COUNTY: _____
SECURITY REQUIRED: _____
YES _____
NO _____

THE COUNTY IS NOT LIABLE FOR THE DESIGN IN ANYWAY. REVIEWED FOR CLARITY ONLY.

Kenneth J. Brazell
BY: _____ DATE: 11-01-13
FOR COUNTY ENGINEER

BMP LEGEND

- GRAVEL BAGS PER SC-4, SC-6
- HYDROSEEDING, PLANTING, GEOTEXTILES, MATS & FIBER ROLLS PER SS-2, SS-3, SS-4, & SS-7.
- STABILIZED CONSTRUCTION ENTRANCE PER TC-1.
- INLET PROTECTION PER SC-10.
- OUTLET PROTECTION PER RSD D-40
- DITCHES & BERMS PER SS-9.
- SILT FENCE PER SC-1
- TEMPORARY FENCE (PARCEL 4 OPENSOURCE)
- LIMIT OF GRADING

COUNTY APPROVED CHANGES		
Description	Approved by	Date
CHANGE ENGINEER OF RECORD	KJB	2/24/15
REVISE EROSION CONTROL	KJB	2/24/15
VOID THIS SHEET		

BENCH MARK		
DESCRIPTION:	NORTHWEST BRASS PLUG - TOP INLET	
LOCATION:	CAMINO DEL SUR AT ARTESIAN ROAD	
RECORD FROM:	CITY OF SAN DIEGO	
ELEVATION:	469.47	DATUM: M.S.L.

PRIVATE CONTRACT

SHEET 6 OF 8 SHEETS

COUNTY OF SAN DIEGO
DEPARTMENT OF PUBLIC WORKS

EROSION CONTROL PLANS FOR:
BMP LOT GRADING
PARCELS 1&4 TPM 19618
PRIVATE ROAD

CAL. COORD. 310-1719

Approved: Mohamed Fakhreddine
COUNTY ENGINEER

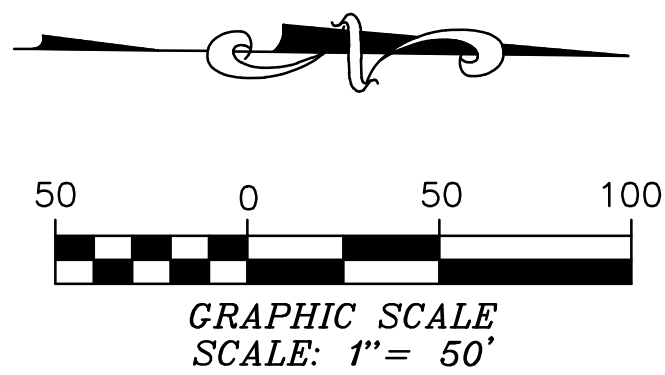
Engineered Work:
Kenneth J. Brazell
DAVID CARON

Grading Permit No. L15684

BMP LEGEND (DURING CONSTRUCTION)

DESCRIPTION	SYMBOL
① STABILIZED CONSTRUCTION ENTRANCE PER CASQA TC-1	
② SILT FENCE PER CASQA SC-1	
③ OUTLET PROTECTION	
④ CHECK DAMS PER CASQA SE-4	
⑤ HYDROSEED PER CASQA SS-4	
⑥ FIBER ROLLS PER CASQA SE-5	
⑦ INLET PROTECTION PER CASQA SC-10	

Civil Landworks
110 COPPERWOOD WAY, SUITE P, OCEANSIDE, CA 92058
PH: 760-908-8745 • info@civillandworks.com



No.	Description	Approved by	Date
①	NEW SHEET, REPLACED SHEET 6		

RECORD PLAN	
BY: _____	DATE: _____
NAME _____	
R.C.E. _____	
EXPIRES: _____	
BENCH MARK	
DESCRIPTION: NORTHWEST BRASS PLUG - TOP INLET	
LOCATION: CAMINO DEL SUR AT ARTESIAN ROAD	
RECORD FROM: CITY OF SAN DIEGO	
ELEVATION: 469.47	DATUM: M.S.L.

PRIVATE CONTRACT		
SHEET 6A	COUNTY OF SAN DIEGO DEPARTMENT OF PUBLIC WORKS	13 SHEETS
EROSION CONTROL PLAN AND CONSTRUCTION PLAN BMP PLAN PARCELS 1-4 TPM 17341		
CALIFORNIA COORDINATE INDEX: 310-1719		
APPROVED FOR WILLIAM P. MORGAN COUNTY ENGINEER		ENGINEER OF WORK: 10-13-17
By: _____		DAVID CARON RCE 70066
Date _____		Grading Permit No. L15684

PDS2014-LDPCHG-00072

ENGINEER'S NAME: CIVIL LANDWORKS CORP. (760) 908-8745

EROSION CONTROL NOTES

1. IN CASE EMERGENCY WORK IS REQUIRED, CONTACT KEN AYERS AT (619) 857-5974.
2. EQUIPMENT AND WORKERS FOR EMERGENCY WORK SHALL BE MADE AVAILABLE AT ALL TIMES DURING THE RAINY SEASON. ALL NECESSARY MATERIALS SHALL BE STOCKPILED ON SITE AT CONVENIENT LOCATIONS TO FACILITATE RAPID CONSTRUCTION OF TEMPORARY DEVICES WHEN RAIN IS EMINENT.
3. DEVICES SHOWN ON PLANS SHALL NOT BE MOVED OR MODIFIED WITHOUT THE APPROVAL OF RESPONSIBLE PERSONNEL FOR THE SWPPP.
4. THE CONTRACTOR SHALL RESTORE ALL EROSION CONTROL DEVICES TO WORKING ORDER AFTER EACH RUN-OFF PRODUCING RAINFALL.
5. THE CONTRACTOR SHALL INSTALL ADDITIONAL EROSION CONTROL MEASURES AS MAY BE REQUIRED DUE TO UNCOMPLETED GRADING OPERATIONS OR UNFORESEEN CIRCUMSTANCES WHICH MAY ARISE.
6. THE CONTRACTOR SHALL BE RESPONSIBLE AND SHALL TAKE NECESSARY PRECAUTIONS TO PREVENT PUBLIC TRESPASS ONTO AREAS WHERE IMPOUNDED WATERS CREATE A HAZARDOUS CONDITION.
7. ALL EROSION CONTROL MEASURES PROVIDED PER THE APPROVED GRADING PLAN SHALL BE INCORPORATED HEREON.
8. GRADED AREAS AROUND THE PROJECT PERIMETER MUST DRAIN AWAY FROM THE FACE OF SLOPE AT THE CONCLUSION OF EACH WORKING DAY.
9. ALL REMOVABLE PROTECTIVE DEVICES SHOWN SHALL BE IN PLACE AT THE END OF EACH WORKING DAY WHEN THE FIVE (5) DAY RAIN PROBABILITY FORECAST EXCEEDS FORTY PERCENT (40%). SILT AND OTHER DEBRIS SHALL BE REMOVED AFTER EACH RAINFALL.
10. ALL GRAVEL BAGS SHALL BE BURLAP TYPE WITH 3/4 INCH MINIMUM AGGREGATE.
11. DISTURBED SOIL AREAS THAT ARE FLAT AND LESS THAN 5% SLOPE, MAY HAVE TRACKING, MULCH, WOOD CHIPS, HYDROSEEDING WITHOUT WATERING, JUTE MATTING OR JUTE NETTING AS A MEANS TO PROTECT EXPOSED SLOPES FROM EROSION.

BONDED FIBER MATRIX

BONDED FIBER MATRIX SHALL BE APPLIED TO ALL FINISHED SLOPES IMMEDIATELY UPON COMPLETION PER THE FOLLOWING:

1. APPLICATION RATES SHALL BE 3500 POUNDS PER ACRE MINIMUM FOR 2:1 OR SHALLOWER SLOPES AND 4000 POUNDS PER ACRE FOR SLOPES STEEPER THAN 2:1.
2. BFM SHALL BE APPLIED AT LEAST 24 HOURS BEFORE OR AFTER RAINFALL.
3. THE SITE MUST BE PROTECTED WITH BROW DITCHES AND/OR DIVERSION BERMS AT THE TOP OF SLOPES TO DIVERT FLOW FROM FACE OF THE SLOPE.
4. BFM SHALL BE APPLIED TO PROVIDE 100% COVERAGE (I.E. APPLICATION FROM MULTIPLE ANGLES).
5. FOR PERMANENT EROSION CONTROL PURPOSES, BFM MUST BE INSTALLED IN CONJUNCTION WITH SEEDED EROSION CONTROL VEGETATION.
6. A LETTER FROM THE HYDROSEED CONTRACTOR CERTIFYING THAT THE BFM HAS BEEN INSTALLED IN ACCORDANCE WITH THE APPROVED APPLICATION RATES AND COVERAGE REQUIREMENTS SHALL BE SUBMITTED TO THE COUNTY INSPECTOR FOR APPROVAL.

GRAVEL BAG NOTES

1. GRAVEL BAGS SHALL BE PLACED ALONG ALL STREET AND DRIVEWAYS BASED UPON THE FOLLOWING FORMULA:

GRAVELBAGS SPACING (FEET)= $\frac{1.5'}{\text{STREET SLOPE}}$

EXAMPLE: 12.00% STREET $\frac{1.5'}{0.12} = 12.5'$ SPACING
2. CONTRACTOR SHALL ASSUME RESPONSIBILITY TO PLACE ANY ADDITIONAL GRAVEL BAGS AS NECESSARY TO PREVENT SITE EROSION.
3. SITE HOUSEKEEPING IS TO BE MAINTAINED ON A REGULAR BASIS SUCH AS REMOVING SILT FROM BASINS, ADJUSTING/REPLACING SAND BAGS AND ONGOING MATERIAL CLEANUP.
4. STABILIZATION OF SLOPES IS REQUIRED UPON COMPLETION OF SLOPE CONSTRUCTION. (I.E., HYDROSEED PLANTING, PUNCHED STRAW, ETC.).
5. CONTRACTOR SHALL HAVE THE OPTION TO UTILIZE AT HIS OR HER DISCRETION GRAVEL BAGS, STRAW BALE DIKE OR SILT FENCE PER DETAILS ON THIS SHEET.

SOIL STABILIZATION FOR 5% AND FLATTER

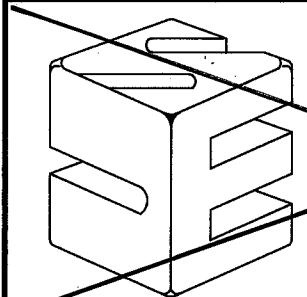
FLAT AREAS OF LESS THAN 5%(LIKE BUILDING PADS, PARKING AREAS, LEACH FIELDS) SHALL HAVE 100% PROTECTION USING GEOTEXTILES, MATS (SS-7 OR ESC20), OR OTHER MATERIAL APPROVED BY THE COUNTY FOR STABILIZING SLOPES, OR USING MULCH/WOOD CHIPS (SS-3, SS-6, SS-8), OR JUTE MATTING (SS-7). THE COUNTY MAY REDUCE THIS REQUIREMENT FOR FLAT AREAS, PROVIDED FULL SEDIMENT CONTROL IS PROVIDED THROUGH CONSTRUCTED AND MAINTAINED DESILTATION BASINS (SC-2) AT ALL PROJECT DISCHARGE POINTS.

AREAS OF GRADED PADS THAT HAVE ACTIVE STRUCTURE CONSTRUCTION UNDERWAY MAY BE PROTECTED BY ROLLED PLASTIC AS PART OF A WEATHER-TRIGGERED ACTION PLAN UNTIL THE STRUCTURE'S ROOF HAS BEEN COMPLETED. THE REMAINDER OF THE PAD AREAS MUST CONTINUE TO BE PROTECTED USING EROSION CONTROL MEASURES AS IDENTIFIED ON THIS PLAN

RANCHO SANTA FE FIRE DISTRICT

APPROVED BY:

DATE:



SAN DIEGUITO ENGINEERING, INC.

4407 MANCHESTER, SUITE 105
ENCINITAS, CA 92024
PHONE: (760) 753-5525

CIVIL ENGINEERING • PLANNING
LAND SURVEYING

CIVIL LANDWORKS

EMERGENCY EROSION CONTROL MEASURES NOTES

1. ALL BUILDING PADS TO BE DIKED AND THE DIKES MAINTAINED TO PREVENT WATER FROM FLOWING FROM THE PAD UNTIL THE STREETS AND DRIVEWAYS ARE PAVED AND WATER CAN FLOW FROM THE PADS WITHOUT CAUSING EROSION, OR CONSTRUCT DRAINAGE FACILITIES TO THE SATISFACTION OF THE COUNTY DEPARTMENT OF PUBLIC WORKS THAT WILL ALLOW WATER TO DRAIN FROM THE PAD WITHOUT CAUSING EROSION.
2. TOPS OF ALL SLOPES TO BE DIKED OR TRENCHED TO PREVENT WATER FROM FLOWING OVER THE CREST OF SLOPES.
3. MANUFACTURED SLOPES AND PADS SHALL BE ROUNDED VERTICALLY & HORIZONTALLY AS APPROPRIATE TO BLEND WITH THE SURROUNDING TOPOGRAPHY.
4. AS SOON AS CUTS OR EMBANKMENTS ARE COMPLETED, BUT NOT LATER THAN OCTOBER 1 ALL CUT AND FILL SLOPES SHALL BE STABILIZED WITH A HYDROMULCH MIXTURE OR AN EQUAL TREATMENT APPROVED BY THE COUNTY DEPARTMENT OF PUBLIC WORKS. BETWEEN OCTOBER 1 AND APRIL 30, APPROVED SLOPE PROTECTION MEASURES SHALL PROCEED IMMEDIATELY BEHIND THE EXPOSURE OF CUT SLOPES AND/OR THE CREATION OF EMBANKMENT SLOPES.
5. CATCH BASINS, DESILTING BASINS AND STORM DRAIN SYSTEM SHALL BE INSTALLED TO THE SATISFACTION OF THE COUNTY DEPARTMENT OF PUBLIC WORKS.
6. GRAVEL BAG CHECK DAMS TO BE PLACED IN A MANNER APPROVED BY THE COUNTY DEPARTMENT OF PUBLIC WORKS IN UNPAVED STREETS WITH GRADIENTS IN EXCESS OF 2% AND ON OR IN OTHER GRADED OR EXCAVATED AREAS AS REQUIRED BY THE COUNTY DEPARTMENT OF PUBLIC WORKS.
7. THE DEVELOPER TO MAINTAIN THE PLANTING AND EROSION CONTROL MEASURES DESCRIBED ABOVE UNTIL RELIEVED OF SAME BY THE COUNTY DEPARTMENT OF PUBLIC WORKS. THE DEVELOPER TO REMOVE ALL SOIL INTERCEPTED BY THE GRAVEL BAGS, CATCH BASINS AND DESILTING BASINS AND KEEP THESE FACILITIES CLEAN AND FREE OF SILT AND SAND AS DIRECTED BY THE COUNTY DEPARTMENT OF PUBLIC WORKS. THE DEVELOPER SHALL REPAIR ANY ERODED SLOPES AS DIRECTED BY THE COUNTY DEPARTMENT OF PUBLIC WORKS.

SILTATION AND SEDIMENT CONTROL MEASURES

1. THE SEDIMENT BASINS SHALL BE PROVIDED AT THE LOWER END OF EVERY DRAINAGE AREA PRODUCING SEDIMENT RUNOFF. THE BASINS SHALL BE MAINTAINED AND CLEANED TO DESIGN CONTOURS AFTER EVERY RUNOFF PRODUCING STORM. THE BASINS SHOULD BE SEMI-PERMANENT STRUCTURES THAT WOULD REMAIN UNTIL SOIL STABILIZING VEGETATION HAS BECOME WELL ESTABLISHED ON ALL ERODIBLE SLOPES.
2. SEDIMENTATION BASINS MAY NOT BE REMOVED OR MADE INOPERATIVE WITHOUT PRIOR APPROVAL OF THE COUNTY ENGINEER.
3. UTILITY TRENCHES THAT ARE CUT THROUGH BASIN DIKES OR BASIN INLET DIKES SHALL BE PLUGGED WITH SANDBAGS FROM TOP OF PIPE TO TOP OF DIKE.
4. ALL UTILITY TRENCHES SHALL BE BLOCKED AT THE PRESCRIBED INTERVALS WITH A DOUBLE ROW OF GRAVEL BAGS WITH A TOP ELEVATION TWO GRAVEL BAGS BELOW THE GRADED SURFACE OF THE STREET. GRAVEL BAGS ARE TO BE LAPPED COURSES. THE INTERVALS PRESCRIBED BETWEEN GRAVEL BAG BLOCKING SHALL DEPEND ON THE SLOPE OF THE GROUND SURFACE, BUT NOT EXCEED THE FOLLOWING:

GRADE OF THE STREET	INTERVAL AS REQUIRED
LESS THAN 2%	100 FEET
2% TO 4%	50 FEET
4% TO 10%	25 FEET
OVER 10%	25 FEET
5. AFTER UTILITY TRENCHES ARE BACKFILLED AND COMPACTED, THE SURFACES OVER SUCH TRENCHES SHALL BE MOUNDED SLIGHTLY TO PREVENT CHANNELING OF WATER IN THE TRENCH AREA. CARE SHOULD BE EXERCISED TO PROVIDE FOR CROSS FLOW AT FREQUENT INTERVALS WHERE TRENCHES ARE NOT ON THE CENTERLINE OF A CROWNED STREET.
6. ALL BUILDING PADS SHOULD BE SLOPED TOWARDS THE DRIVEWAYS AND VELOCITY CHECK DAMS PROVIDED AT THE BASE OF ALL DRIVEWAYS DRAINING INTO THE STREET.
7. PROVIDE VELOCITY CHECK DAMS IN ALL UNPAVED GRADED CHANNELS AT THE INTERVALS BELOW:

GRADE OF CHANNEL	INTERVALS BETWEEN CHECK DAMS
LESS THAN 3%	100 FEET
3% TO 6%	50 FEET
OVER 6%	25 FEET

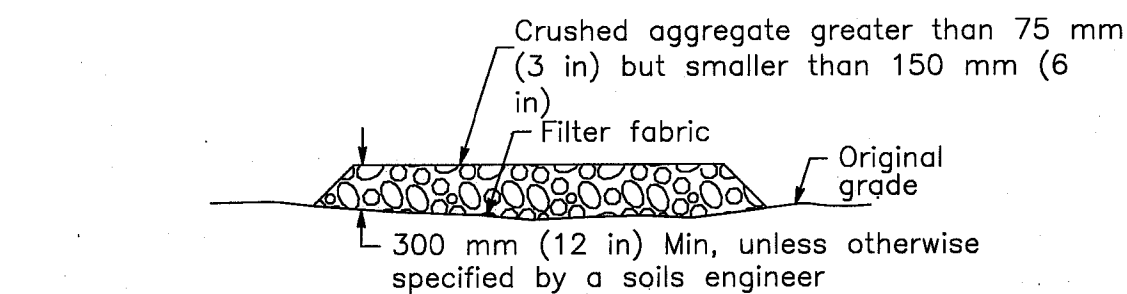
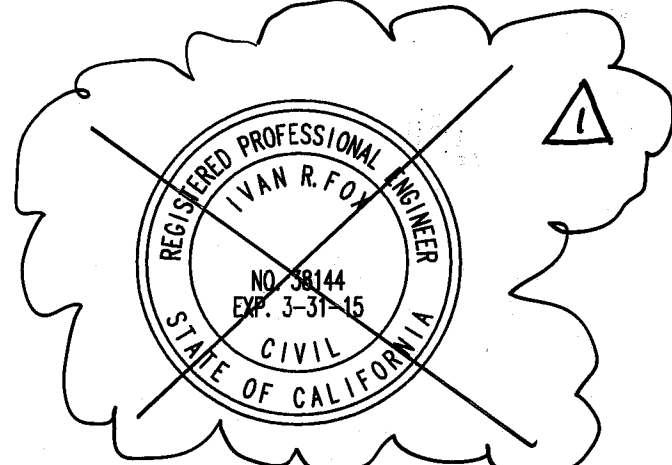
8. PROVIDE VELOCITY CHECK DAMS IN ALL PAVED STREET AREAS ACCORDING TO INTERVALS INDICATED BELOW. VELOCITY CHECK DAMS MAY BE CONSTRUCTED OF GRAVEL BAGS, TIMBER OR OTHER EROSION RESISTANT MATERIALS APPROVED BY THE COUNTY ENGINEER, AND SHALL EXTEND COMPLETELY ACROSS THE STREET OR CHANNEL AT RIGHT ANGLES TO THE CENTERLINE. VELOCITY CHECK DAMS MAY ALSO SERVE AS SEDIMENT TRAPS.
9. PROVIDE A GRAVEL BAG SILT BASIN OR TRAP BY EVERY STORM DRAIN INLET TO PREVENT SEDIMENT FROM ENTERING DRAIN SYSTEM.
10. GRAVEL BAGS AND FILL MATERIAL SHALL BE STOCKPILED AT INTERVALS, READY FOR USE WHEN REQUIRED.
11. ALL EROSION CONTROL DEVICES WITHIN THE DEVELOPMENT SHOULD BE MAINTAINED DURING AND AFTER EVERY RUNOFF PRODUCING STORM, IF POSSIBLE, MAINTENANCE CREWS WOULD BE REQUIRED TO HAVE ACCESS TO ALL AREAS.
12. PROVIDE ROCK RIPRAP ON CURVES AND STEEP DROPS IN ALL EROSION PRONE DRAINAGE CHANNELS DOWNSTREAM FROM THE DEVELOPMENT. THIS PROTECTION WOULD REDUCE EROSION CAUSED BY THE INCREASED FLOWS THAT MAY BE ANTICIPATED FROM DENUDDED SLOPES, OR FROM IMPERVIOUS SURFACES.
13. ANY PROPOSED ALTERNATE CONTROL MEASURES MUST BE APPROVED IN ADVANCE BY ALL RESPONSIBLE AGENCIES; I.E., COUNTY ENGINEER, DEPARTMENT OF SANITATION AND FLOOD CONTROL, OFFICE OF ENVIRONMENTAL MANAGEMENT, ETC.

BMP STENCIL PLACEMENT NOTES

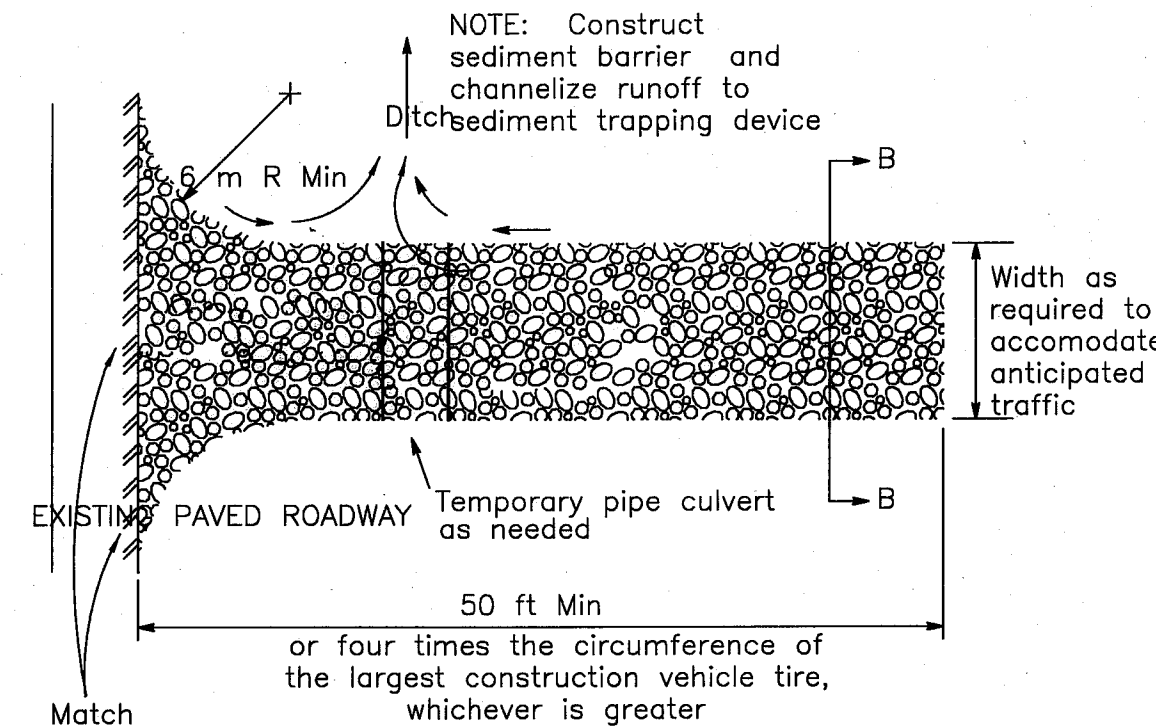
1. ALL STORM DRAIN INLETS AND CATCH BASINS WITHIN THE PROJECT AREA SHALL HAVE A STENCIL OR TILE PLACED WITH PROHIBITIVE LANGUAGE (SUCH AS: "NO DUMPING-I LIVE IN ESCONDIDO CREEK") AND/OR GRAPHICAL ICONS TO DISCOURAGE ILLEGAL DUMPING.
2. SIGNS AND PROHIBITIVE LANGUAGE AND/OR GRAPHICAL ICONS, WHICH PROHIBIT ILLEGAL DUMPING, MUST BE POSTED AT PUBLIC ACCESS POINTS ALONG CHANNELS AND CREEKS WITHIN THE PROJECT AREA.
3. LEGIBILITY OF STENCILS, TILES AND SIGNS MUST BE MAINTAINED AND TILES MUST BE PLACED FLUSH WITH THE TOP OF CONCRETE TO REDUCE TRIPPING BY PEDESTRIANS.

STORMWATER MANAGEMENT NOTES

1. DURING THE RAINY SEASON THE AMOUNT OF EXPOSED SOIL ALLOWED AT ONE TIME SHALL NOT EXCEED THAT WHICH CAN BE ADEQUATELY PROTECTED BY THE PROPERTY OWNER IN THE EVENT OF A RAINSTORM. 125 SHALL BE RETAINED ON THE JOB SITE IN A MANNER THAT ALLOWS FULL DEPLOYMENT AND COMPLETE INSTALLATION IN 48 HOURS OR LESS OF A FORECAST RAIN.
2. NO AREA BEING DISTURBED SHALL EXCEED 50 ACRES AT ANY GIVEN TIME WITHOUT DEMONSTRATING TO THE SAN DIEGO COUNTY DPW DIRECTOR'S SATISFACTION THAT ADEQUATE EROSION AND SEDIMENT CONTROL CAN BE MAINTAINED. ANY DISTURBED AREA THAT IS NOT ACTIVELY GRADED FOR 15 DAY S MUST BE FULLY PROTECTED FROM EROSION. UNTIL ADEQUATE LONG-TERM PROTECTIONS ARE INSTALLED, THE DISTURBED AREA SHALL BE INCLUDED WHEN CALCULATING THE ACTIVE DISTURBANCE AREA. ALL EROSION CONTROL MEASURES SHALL REMAIN INSTALLED AND MAINTAINED DURING ANY INACTIVE PERIOD.
3. THE PROPERTY OWNER IS OBLIGATED TO INSURE COMPLIANCE WITH ALL APPLICABLE STORM WATER REGULATIONS AT ALL TIMES. THE BMP'S (BEST MANAGEMENT PRACTICES) THAT HAVE BEEN INCORPORATED INTO THIS PLAN SHALL BE NEGATIVE IMPACTS OF THIS PROJECT'S CONSTRUCTION ACTIVITIES ON STORM WATER QUALITY. THE MAINTENANCE OF THE BMP'S IS THE PERMITTEE'S RESPONSIBILITY, AND FLURE TO PROPERLY INSTALL OR MAINTAIN THE BMP'S MAY RESULT IN ENFORCEMENT ACTION BY THE COUNTY OF SAN DIEGO OR OTHERS. IF INSTALLED BMP'S FAIL, THEY MUST BE REPAIRED, OR REPLACED WITH AN ACCEPTABLE ALTERNATE WITHIN 24 HOURS, OR AS SOON AS SAFE TO DO SO.
4. A NOTICE OF INTENT (NOI) HAS BEEN, OR WILL BE FILED WITH THE STATE WATER RESOURCES CONTROL BOARD (SWRCB) AND A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) HAS BEEN OR WILL BE PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF CALIFORNIA GENERAL PERMIT FOR STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY (PERMIT NO. CAS000002) FOR ALL OPERATIONS ASSOCIATED WITH THESE PLANS. THE NOI NUMBER ASSIGNED BY SWRCB FOR THIS PROJECT IS NOT YET ASSIGNED, BUT WILL BE PROVIDED BEFORE A PERMIT IS ISSUED, THE PERMITEE SHALL KEEP A COPY OF THE SWPPP ON SITE AND AVAILABLE FOR REVIEW BY COUNTY.



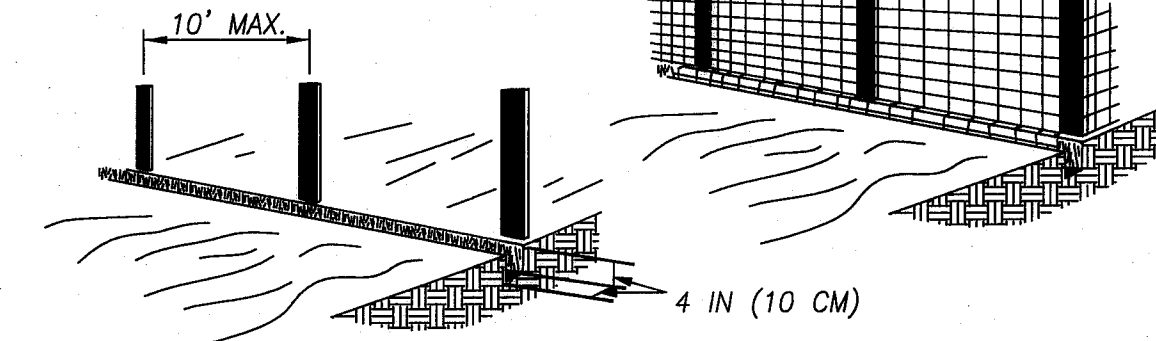
SECTION B-B



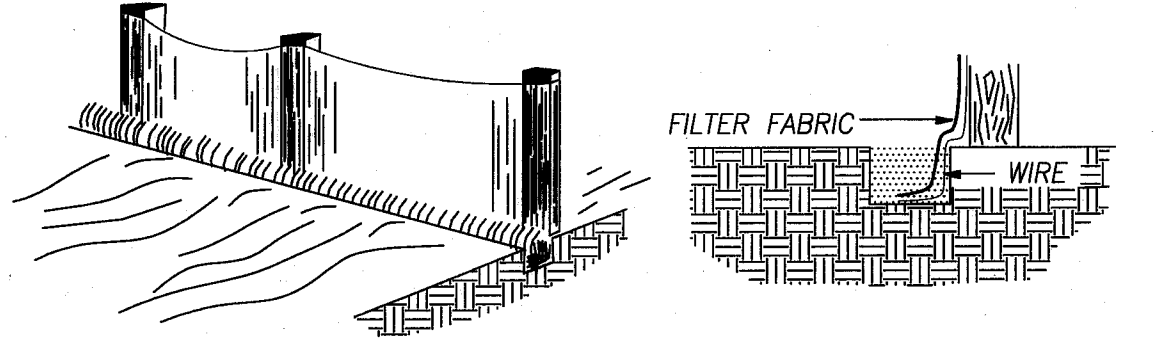
STABILIZED CONSTRUCTION ENTRANCE

CONTRACTOR IS RESPONSIBLE TO ENSURE SHEET FLOW IS MAINTAINED ACROSS FLOW BARRIERS.

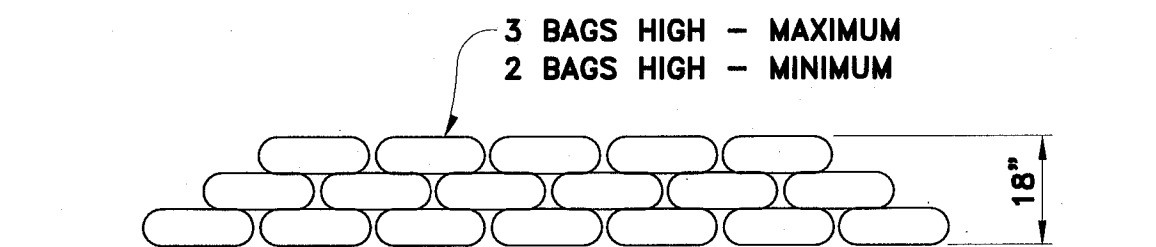
1. SET POSTS AND EXCAVATE A 4 BY 4 IN (10 BY 10 CM) TRENCH UPSLOPE FROM AND ALONG THE LINE OF POSTS.
2. STAPLE WIRE FENCING TO THE POSTS.



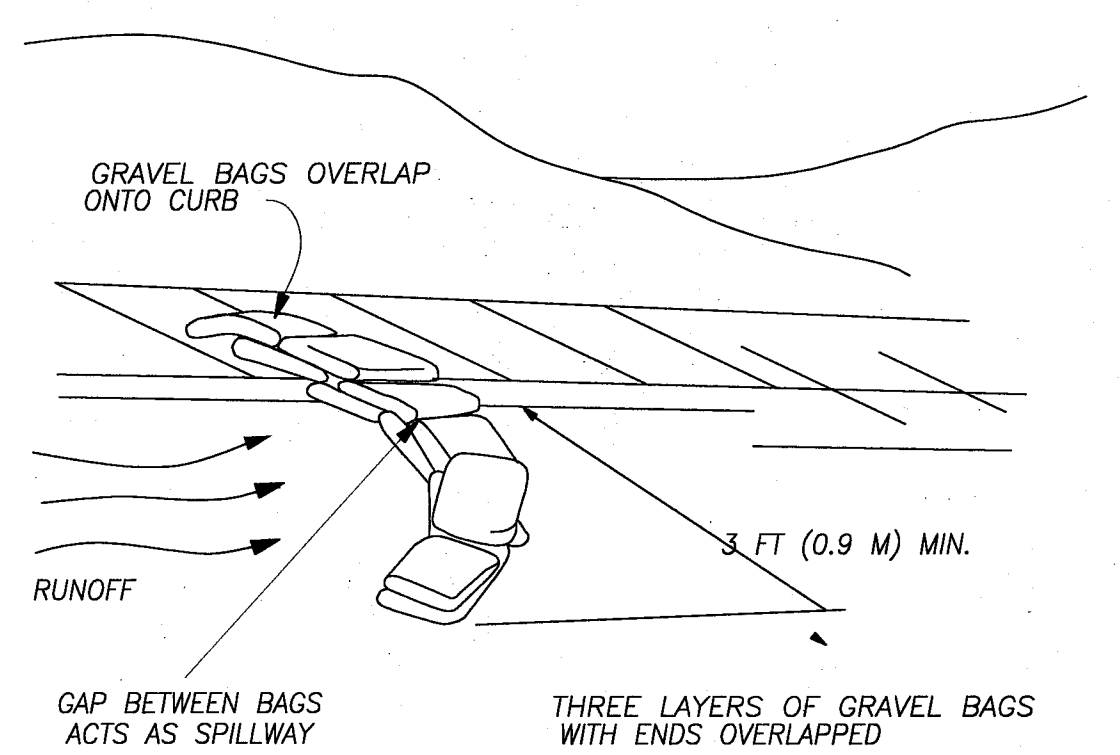
3. ATTACH THE FILTER FABRIC TO THE WIRE FENCE AND EXTEND IT INTO THE TRENCH.
4. BACKFILL AND COMPACT THE EXCAVATED SOIL.



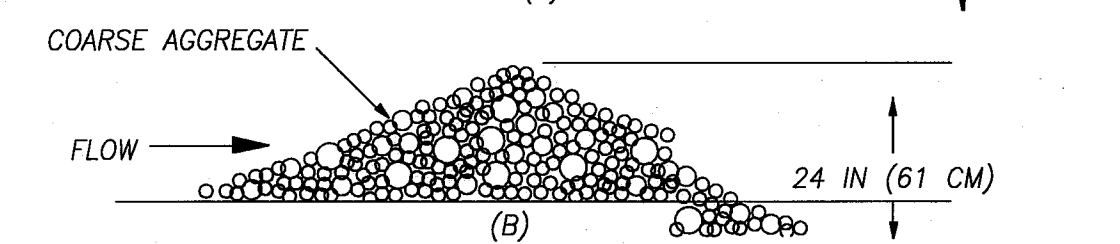
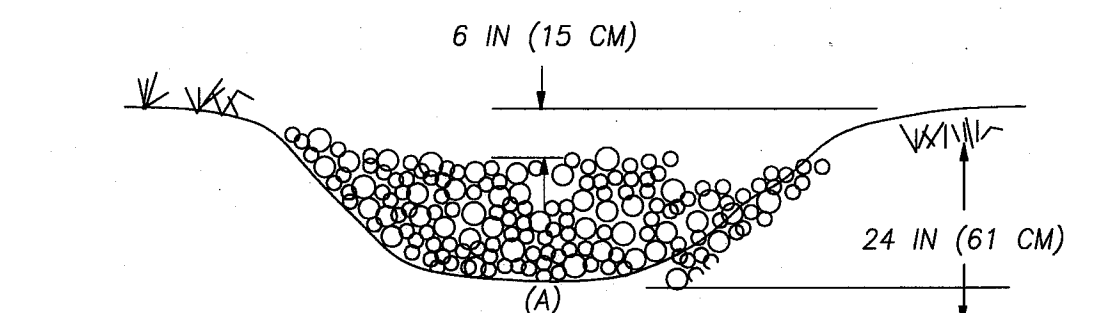
SILT FENCE



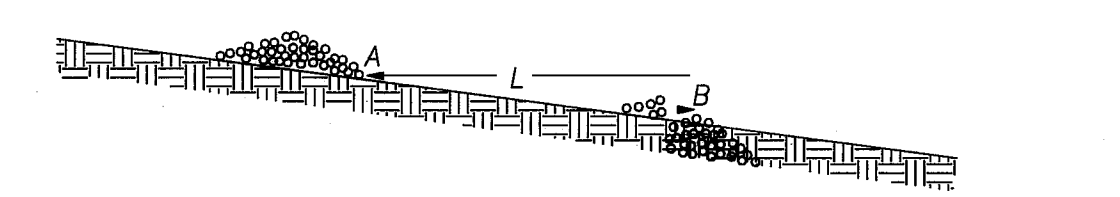
TEMPORARY GRAVEL BAG CHECK DAM



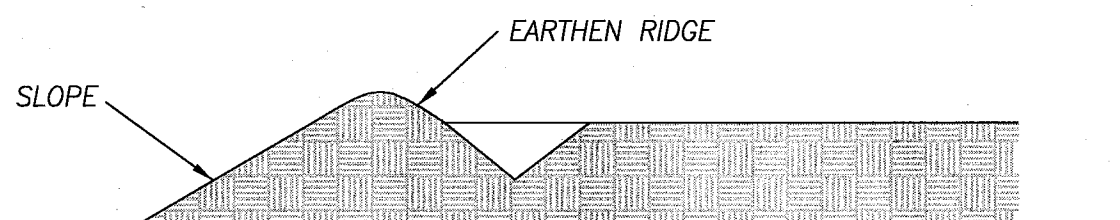
GRAVEL BAGS



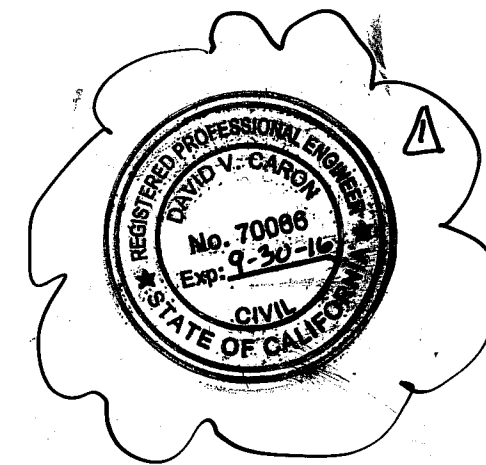
L=DISTANCE SUCH THAT POINTS A AND B ARE OF EQUAL ELEVATION



GRAVEL CHECK DAM



UNLINED SWALE & BERM



PRIVATE CONTRACT

SHEET 7 COUNTY OF SAN DIEGO DEPARTMENT OF PUBLIC WORKS

EROSION CONTROL PLANS FOR:
BMP LOT GRADING
PARCELS 1-4 TPM 17341 & PARCELS 1&4 TPM 19618
PRIVATE ROAD
CAL. COORD. 310-1719

Approved Mohamad Fakhriddine
COUNTY ENGINEER
Kenneth G. Bragg
11-01-13

Engineer of Work
Kenneth G. Bragg
11-01-13

Grading Permit No. L15684

COUNTY APPROVED CHANGES			BENCH MARK	
Description	Approved by	Date	DESCRIPTION:	
CHANGE ENGINEER OF RECORD	KGB	2/24/15	NORTHWEST BRASS PLUG - TOP INLET	
CHANGE TOTAL NO. OF SHEETS			CAMINO DEL SUR AT ARTESIAN ROAD	
PERMIT RENEWAL			CITY OF SAN DIEGO	
			ELEVATION: 469.47	DATUM: M.S.L.

PALEONTOLOGICAL NOTES:

PRE-CONSTRUCTION MEETING: (Prior to Preconstruction Conference, and prior to any clearing, grubbing, trenching, grading, or any land disturbances.)

PALEO#1-PALEONTOLOGICAL MONITORING [PDS, FEE X2]
INTENT: In order to comply with Mitigation Monitoring and Reporting Program pursuant to PDS2012-2700-15684, PDS2012-2240-17341, a Paleontological Resource Grading Monitoring Program shall be implemented. **DESCRIPTION OF REQUIREMENT:** The County approved Project Paleontologist, and [PDS PCC], shall attend the pre-construction meeting with the contractors to explain and coordinate the requirements of the grading monitoring program. The Project Paleontologist shall monitor during the original cutting of previously undisturbed deposits for the project, both on and off site, the Qualified Paleontological Resources Monitor shall be on-site to monitor as determined necessary by the Qualified Paleontologist. The grading monitoring program shall comply with the County of San Diego Guidelines for Determining Significance and Report Format and Content Requirements for Paleontological Resources. **DOCUMENTATION:** The applicant shall have the contracted Project Paleontologist attend the preconstruction meeting to explain the monitoring requirements. **TIMING:** Prior to Preconstruction Conference, and prior to any clearing, grubbing, trenching, grading, or any land disturbances this condition shall be completed. **MONITORING:** The [DPW, PDC] shall invite the [PDS, PCC] to the preconstruction conference to coordinate the Paleontological Resource Monitoring requirements of this condition. The [PDS, PCC] shall attend the preconstruction conference and confirm the attendance of the approved Project Paleontologist.

DURING CONTRUCTION: (The following actions shall occur throughout the duration of the grading construction).

PALEO#2-PALEONTOLOGICAL MONITORING [PC] [PDS, FEE X2]
INTENT: In order to comply with Mitigation Monitoring and Reporting Program pursuant to PDS2012-2700-15684, PDS2012-2240-17341, and the County of San Diego Guidelines for Determining Significance and Report Format and Content Requirements for Paleontological Resources, a Grading Monitoring Program shall be implemented. **DESCRIPTION OF REQUIREMENT:** The Project Paleontologist shall monitor during the original cutting of previously undisturbed deposits for the project, both on and off site, the Qualified Paleontological Resources Monitor shall be on-site to monitor as determined necessary by the Qualified Paleontologist. The grading monitoring program shall comply with the following requirements during grading:
a. If paleontological resources are encountered during grading/excavation, the following shall be completed:
1. The Qualified Paleontological Resources Monitor shall have the authority to direct, divert, or halt any grading/excavation activity until such time that the sensitivity of the resource can be determined and the appropriate salvage implemented.
2. The Qualified Monitor shall immediately contact the Qualified Paleontologist.
3. The Qualified Paleontologist shall contact the [PDS, PCC] immediately.
4. The Qualified Paleontologist shall determine if the discovered resource is significant. If it is not significant, grading/excavation shall resume."
b. If the paleontological resource is significant or potentially significant, the Qualified Paleontologist or Qualified Paleontological Resources Monitor, under the supervision of the Qualified Paleontologist, shall complete the following tasks in the field:
1. Salvage unearthed fossil remains, including simple excavation of exposed specimens or, if necessary, plaster-jacketing of large and/or fragile specimens or more elaborate quarry excavations of richly fossiliferous deposits;
2. Record stratigraphic and geologic data to provide a context for the recovered fossil remains, typically including a detailed description of all paleontological localities within the project site, as well as the lithology of fossil-bearing strata within the measured stratigraphic section, if feasible, and photographic documentation of the geologic setting; and
3. Transport the collected specimens to a laboratory for processing (cleaning, curation, cataloging, etc.).
DOCUMENTATION: The applicant shall implement the grading monitoring program pursuant to this condition. **TIMING:** The following actions shall occur throughout the duration of the grading construction. **MONITORING:** The [DPW, PDC] shall make sure that the Project Archeologist is on-site performing the Monitoring duties of this condition. The [DPW, PDC] shall contact the [PDS, PCC] if the Project Paleontologist or applicant fails to comply with this condition.

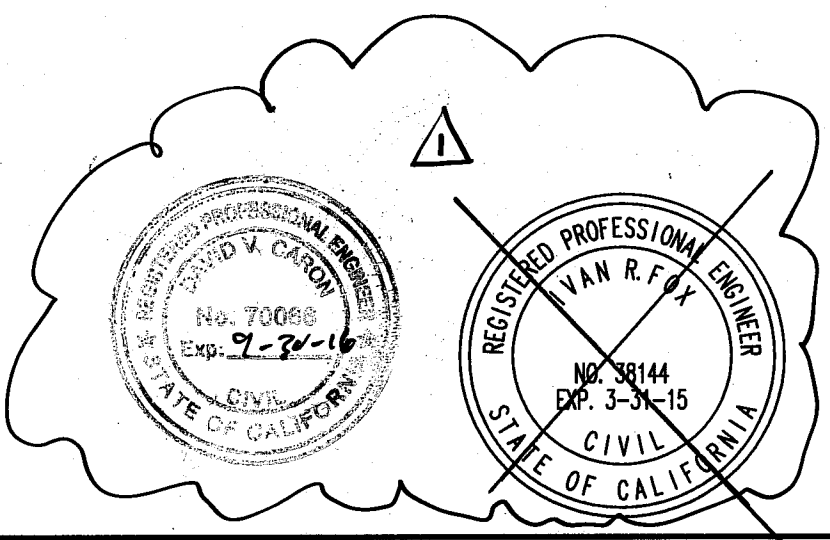
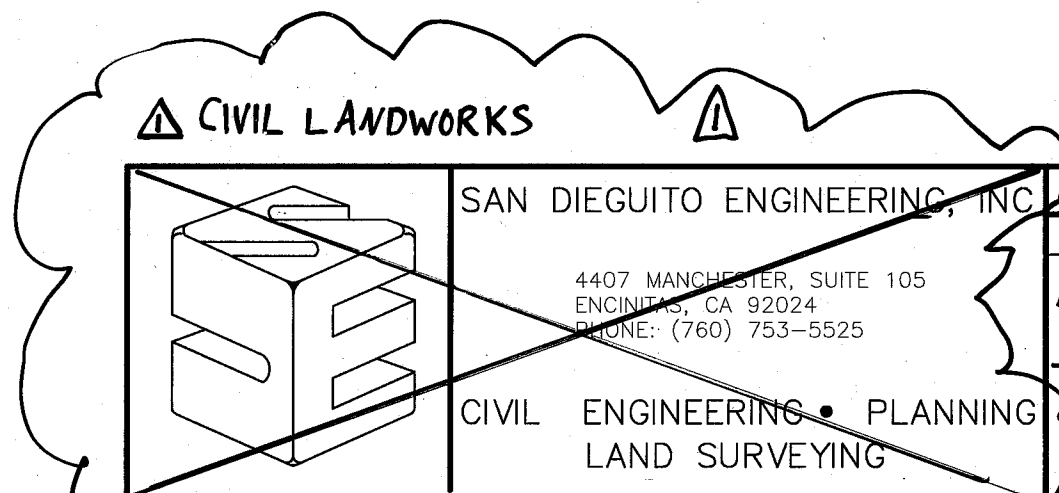
ROUGH GRADING: (Prior to rough grading approval and issuance of any building permit).

PALEO#3-PALEONTOLOGICAL MONITORING [PDS, FEE]
INTENT: In order to comply with the adopted Mitigation Monitoring and Reporting Program (MMRP) pursuant to PDS2012-2700-15684, PDS2012-2240-17341, and the County of San Diego Guidelines for Determining Significance and Report Format and Content Requirements for Paleontological Resources, a Grading Monitoring Program shall be implemented. **DESCRIPTION OF REQUIREMENT:** The Project Paleontologist shall prepare one of the following letters upon completion of the grading activities that require monitoring:
a. If no paleontological resources were discovered, submit a "No Fossils Found" letter from the grading contractor to the [PDS, PCC] stating that the monitoring has been completed and that no fossils were discovered, and including the names and signatures from the fossil monitors. The letter shall be in the format of Attachment E of the County of San Diego Guidelines for Determining Significance for Paleontological Resources.
b. If Paleontological resources were encountered during grading, a letter shall be prepared stating that the field grading monitoring activities have been completed, and that resources have been encountered. The letter shall detail the anticipated time schedule for completion of the curation phase of the monitoring.
DOCUMENTATION: The applicant shall submit the letter report to the [PDS, PCC] for review and approval. **TIMING:** Upon completion of all grading activities, and prior to Rough Grading final Inspection (Grading Ordinance SEC. 87.421.a.2), the letter report shall be completed. **MONITORING:** The [PDS, PCC] shall review the final negative letter report or field monitoring memo for compliance with the project MMRP, and inform [DPW, PDC] that the requirement is completed.

FINAL GRADING RELEASE: (Prior to any occupancy, final grading release, or use of the premises in reliance of this permit).

PALEO#4-PALEONTOLOGICAL MONITORING [PDS, FEE]
INTENT: In order to comply with the adopted Mitigation Monitoring and Reporting Program (MMRP) pursuant to PDS2012-2700-15684, PDS2012-2240-17341, and the County of San Diego Guidelines for Determining Significance and Report Format and Content Requirements for Paleontological Resources, a Grading Monitoring Program shall be implemented. **DESCRIPTION OF REQUIREMENT:** The Project Paleontologist shall prepare a final report that documents the results, analysis, and conclusions of all phases of the Paleontological Monitoring Program if resources were encountered during grading. The report shall include the following:
a. If paleontological resources were discovered, the Following tasks shall be completed by or under the supervision of the Project Paleontologist:
1. Prepare collected fossil remains for curation, to include cleaning the fossils by removing the enclosing rock material, stabilizing fragile specimens using glues and other hardeners, if necessary, and repairing broken specimens;
2. Curate, catalog and identify all fossil remains to the lowest taxon possible, inventory specimens, assigning catalog numbers, and enter the appropriate specimen and locality data into a collection database;
3. Submit a detailed report prepared by the Project Paleontologist in the format provided in Appendix D of the County of San Diego's Guidelines for Determining Significance for Paleontological Resources and identifying which accredited institution has agreed to accept the curated fossils. Submit TWO hard copies of the final Paleontological Resources Mitigation Report to the Director of PDS for final approval of the mitigation, and submit an electronic copy of the complete report in Microsoft Word on a CD. In addition, submit one copy of the report to the San Diego Natural History Museum and one copy to the institution that received the fossils.
4. Transfer the cataloged fossil remains and copies of relevant field notes, maps, stratigraphic sections, and photographs to an accredited institution (museum or university) in California that maintains paleontological collections for archival storage and/or display, and submit Proof of Transfer of Paleontological Resources, in the form of a letter, from the director of the paleontology department of the accredited institution to the Director of PDS verifying that the curated fossils from the project site have been received by the institution."
b. If no resources were discovered, a brief letter to that effect and stating that the grading monitoring activities have been completed shall be sent to the Director of PDS by the Project Paleontologist.
DOCUMENTATION: The applicant shall submit the letter report to the [PDS, PCC] for review and approval. **TIMING:** Prior to the occupancy of any structure or use of the premises in reliance of PDS2012-2700-15684, and prior to Final Grading Release (Grading Ordinance Sec. 87.421.a.3), the final report shall be completed. **MONITORING:** The [PDS, PCC] shall review the final report for compliance with the project MMRP, and inform [DPW, PDC] that the requirement is completed.

BREEDING SEASON AVOIDANCE NOTE:
ALL VEGETATION CLEARING AND GRADING MUST
OCCUR OUTSIDE THE AVIAN BREEDING SEASON
(WHICH GENERALLY EXTENDS FROM MARCH 1 TO AUGUST 1).



COUNTY APPROVED CHANGES			BENCH MARK	
Description	Approved by	Date	DESCRIPTION:	
CHANGE ENGINEER OF RECORD	KJB	2/24/15	NORTHWEST BRASS PLUG -- TOP INLET	
CHANGE TOTAL NO. OF SHEETS			CAMINO DEL SUR AT ARTESIAN ROAD	
PERMIT RENEWAL			CITY OF SAN DIEGO	
			ELEVATION: 469.47	DATUM: M.S.L.

Underground Service Alert
Call: TOLL FREE 1-800-422-4133
TWO WORKING DAYS BEFORE YOU DIG

PRIVATE CONTRACT
SHEET 8
COUNTY OF SAN DIEGO
DEPARTMENT OF PUBLIC WORKS
GRADING PLANS FOR:
PARCELS 1-4 TPM 17341 & PARCELS 1&4 TPM 19618
PRIVATE ROAD
CAL. COORD. 310-1719
Approved: Kenneth J. Bragell
COUNTY ENGINEER
11-01-13
Grading Permit No. L15684