

**NOTES**

CONTRACTOR TO PROVIDE ACCESS & SECURITY FENCING TO PUBLIC WORKS YARD THROUGH ALL PHASES OF CONSTRUCTION.

PHASING PLAN SHALL BE DEVELOPED BY THE CONTRACTOR AND SUBMITTED TO THE CITY FOR APPROVAL.

EXIST TIMBER SUPPORTED RAMP AND TIMBER WALLS WHICH ARE CHEMICALLY TREATED SHALL BE DISPOSED AT CLASS I OR II LANDFILL.

CONTRACTOR TO FILE A NOTICE OF INTENT TO THE STATE REGIONAL WATER QUALITY BOARD AND PREPARE A STORM WATER POLLUTION PREVENTION PLAN FOR THIS PROJECT.

PUBLIC WORKS YARD IS NOT AVAILABLE FOR STAGING OR STORAGE.



**DEMOLITION PLAN**  
SCALE: 1"=30'

IF SHEET IS LESS THAN 24" X 36"  
IT IS A REDUCED PRINT-SCALE  
REDUCED ACCORDINGLY

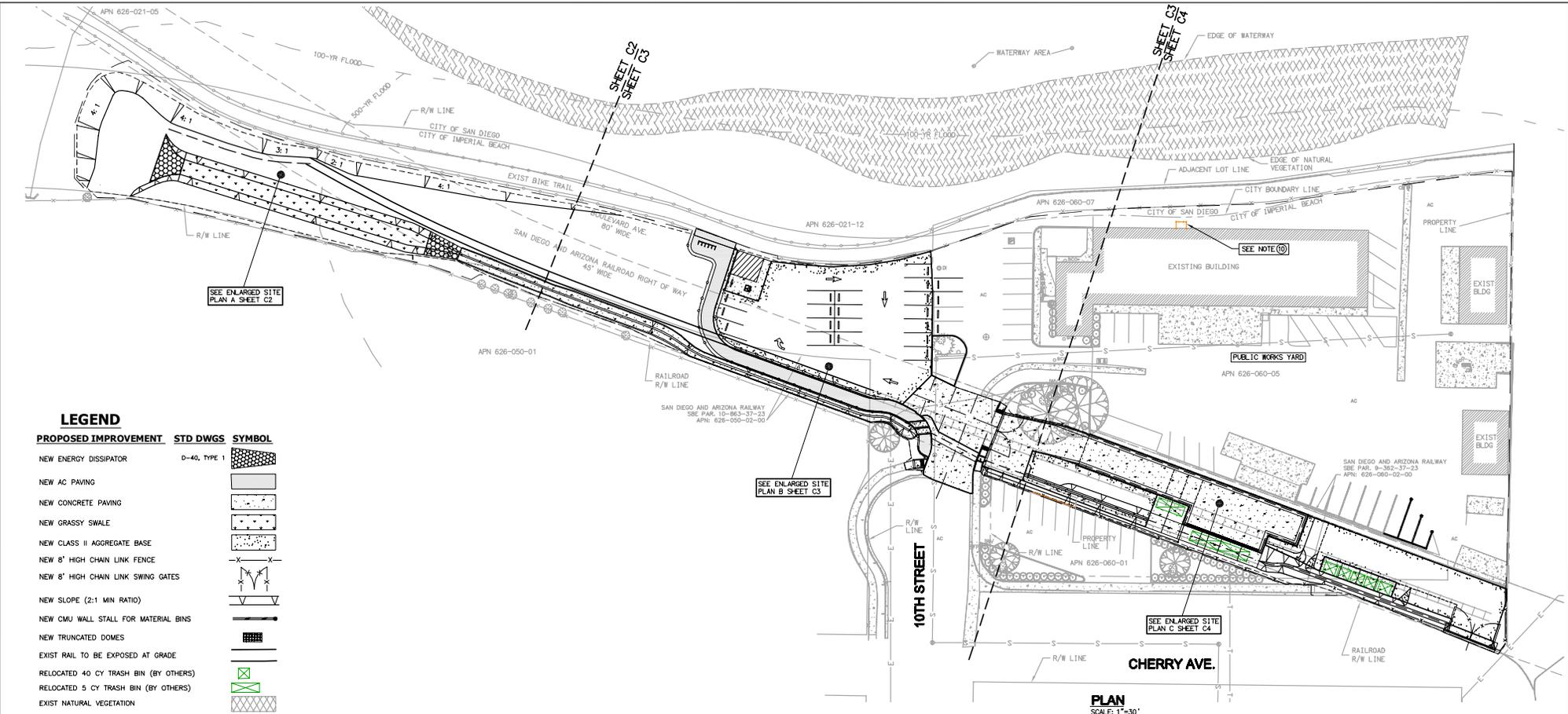
0 15' 30' 60' 90'  
SCALE: 1"= 30'

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REGISTERED PROFESSIONAL ENGINEER  
No. 43361  
Exp. 06/28/2019  
CIVIL  
STATE OF CALIFORNIA

REV.	DESCRIPTION	BY	DATE

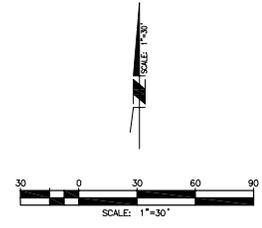
JOB NAME: IMPROVEMENTS TO THE PUBLIC WORKS YARD	DRAWN BY: OO	CHECKED BY: MH
LOCATION: IMPERIAL BEACH, CA	SCALE: VARIES	DATE: REVISED 01-29-09
DESCRIPTION: DEMOLITION PLAN	JOB NUMBER: 25-102631	SHEET: D1



- LEGEND**
- | PROPOSED IMPROVEMENT                  | STD DWGS     | SYMBOL   |
|---------------------------------------|--------------|----------|
| NEW ENERGY DISSIPATOR                 | D-40, TYPE 1 | [Symbol] |
| NEW AC PAVING                         |              | [Symbol] |
| NEW CONCRETE PAVING                   |              | [Symbol] |
| NEW GRASSY SWALE                      |              | [Symbol] |
| NEW CLASS II AGGREGATE BASE           |              | [Symbol] |
| NEW 8' HIGH CHAIN LINK FENCE          |              | [Symbol] |
| NEW 8' HIGH CHAIN LINK SWING GATES    |              | [Symbol] |
| NEW SLOPE (2:1 MIN RATIO)             |              | [Symbol] |
| NEW CMU WALL STALL FOR MATERIAL BINS  |              | [Symbol] |
| NEW TRUNCATED DOMES                   |              | [Symbol] |
| EXIST RAIL TO BE EXPOSED AT GRADE     |              | [Symbol] |
| RELOCATED 40 CY TRASH BIN (BY OTHERS) |              | [Symbol] |
| RELOCATED 5 CY TRASH BIN (BY OTHERS)  |              | [Symbol] |
| EXIST NATURAL VEGETATION              |              | [Symbol] |

NOTE (C) EXIST OIL CONTAINMENT ENCLOSURE. INSTALL 9-GAUGE CHAIN LINK FENCE WITH 1 5/8" DIA SCHEDULE 40 POST WITH TWO FOUR FOOT SLIDING GATES MOUNTED IN THE EXIST CONC CONTAINMENT CURB & ATTACHED TO THE EXIST COVER AT THE TOP OF OIL CONTAINMENT AREA. SEE PHOTO AND DETAIL.

13 7  
C1 D1 E1 D2



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REV.	DESCRIPTION	BY	DATE

JOB NAME: IMPROVEMENTS TO THE PUBLIC WORKS YARD	DRAWN BY: OO	CHECKED BY: MH
LOCATION: IMPERIAL BEACH, CA	SCALE: VARIES	
	DATE: REVISED 01-29-09	
DESCRIPTION: SITE PLAN	JOB NUMBER	SHEET
	25-102631	C1

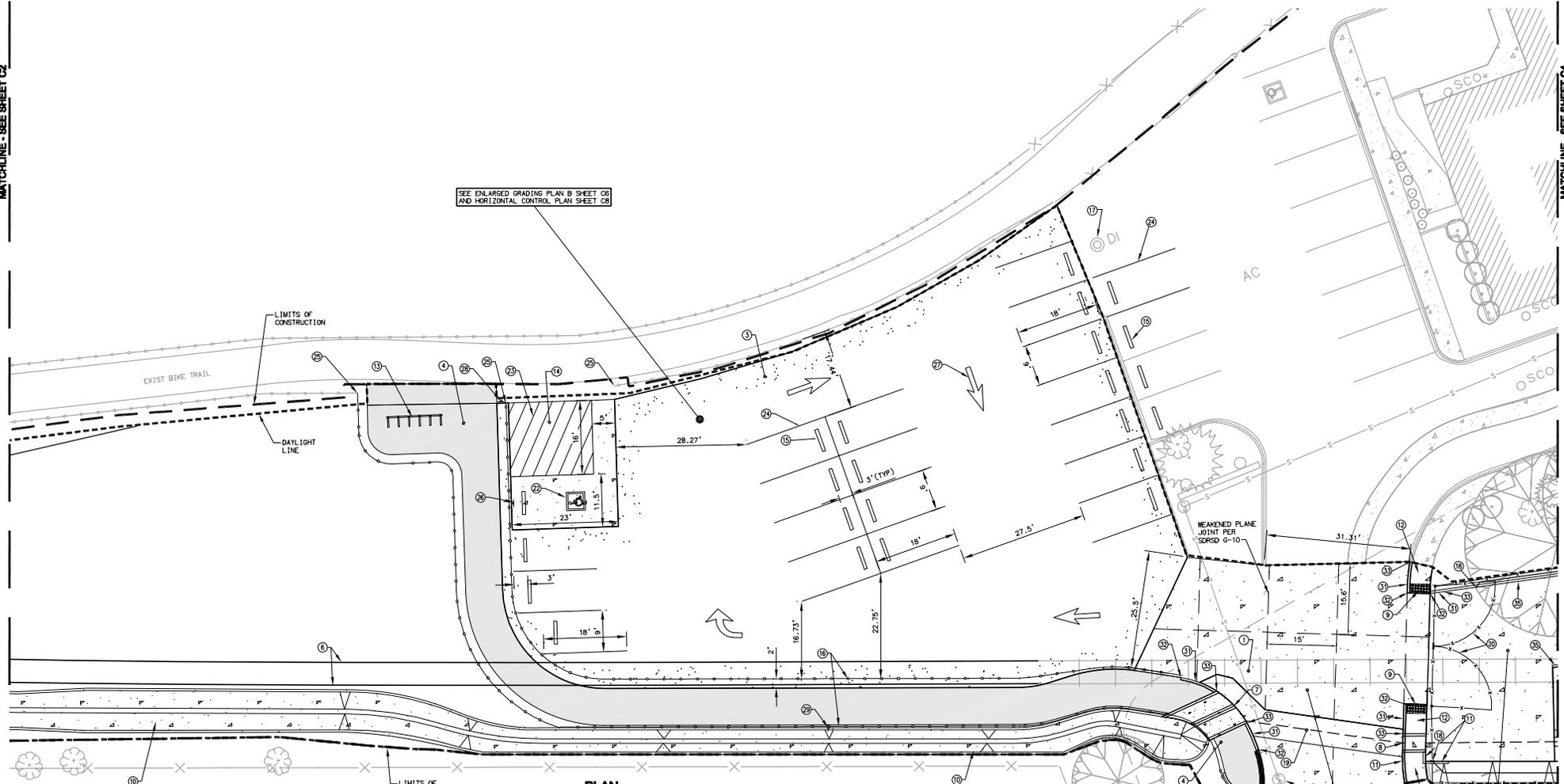
BID SET 02-04-09



MATCHLINE - SEE SHEET C2

MATCHLINE - SEE SHEET C4

SEE ENLARGED GRADING PLAN B SHEET C6  
AND HORIZONTAL CONTROL PLAN SHEET C6



**WORK TO BE DONE**

- 1 CURRENTLY EXPOSED RAILS THAT WILL BE COVERED SHALL BE COVERED WITH GEOSYNTHETIC CLOTH PRIOR TO CONSTRUCTION (420 LF). SEE PHOTOS & DETAIL **4** **5** **6** **7** **8** **9** **10** **11** **12** **13** **14** **15** **16** **17** **18** **19** **20** **21** **22** **23** **24** **25** **26**
- 2 NEW 6" THICK CONCRETE ENTRY DRIVE (2,473 SF). SEE DETAIL **1** **2** **3** **4** **5** **6** **7** **8** **9** **10** **11** **12** **13** **14** **15** **16** **17** **18** **19** **20** **21** **22** **23** **24** **25** **26**
- 3 NEW 6" THICK CLASS 11 BASE PARKING AREA (10,025 SF). SEE DETAIL **1** **2** **3** **4** **5** **6** **7** **8** **9** **10** **11** **12** **13** **14** **15** **16** **17** **18** **19** **20** **21** **22** **23** **24** **25** **26**
- 4 NEW 2" THICK ASPHALT CONCRETE ACCESS TO BIKE PATH (1,970 SF). SEE DETAIL **1** **2** **3** **4** **5** **6** **7** **8** **9** **10** **11** **12** **13** **14** **15** **16** **17** **18** **19** **20** **21** **22** **23** **24** **25** **26**
- 5 NEW 8' HIGH CHAIN LINK 9-GAGE PERIMETER FENCING (500 LF) PER SDRSD M20
- 6 EXISTING RAILS TO BE EXPOSED AT-GRADE (400 LF). SEE SHEET C6 FOR GRADING
- 7 NEW TWO CURB OUTLETS PER SDRSD D-25, (MOD 3.5" WIDE)
- 8 NEW CURB OUTLET PER SDRSD D-25, (3.0" WIDE)
- 9 NEW (3) TRUNCATED DORIES PER 29 CFR 4.29
- 10 NEW 1" BOLT, 2:1 SIDE SLOPE RATIO OR FLATTER, TRAP CONIC CHANNEL W/ 6"x6"-10 GAUGE WELDED WIRE FABRIC, (318 LF) SEE SECTIONS **E** **F** **G** **H** **I** **J** **K** **L** **M** **N** **O** **P** **Q** **R** **S** **T** **U** **V** **W** **X** **Y** **Z**
- 11 6" CURB PER SDRSD G-1 (72 LF)
- 12 4" THICK CONTIGUOUS CONCRETE SIDEWALK PER SDRSD G-7 (185 SF)
- 13 MODEL 6203 SARIS COMMERCIAL DUTY PARK-A-BIKE 9 DR APPROVED EQUAL, INSTALLED PER MANUFACTURERS DIRECTIONS.
- 14 6" THICK, 23'x27.5' CONCRETE PAD FOR ADA PARKING (633 SF). SEE DETAIL **1** **2** **3** **4** **5** **6** **7** **8** **9** **10** **11** **12** **13** **14** **15** **16** **17** **18** **19** **20** **21** **22** **23** **24** **25** **26**

PLAN  
SCALE: 1"=10'

- 15 5' LONG, 0.5" HIGH, 0.67" WIDE CONCRETE WHEEL STOP (23 EA). SEE DETAIL **4** **5** **6** **7** **8** **9** **10** **11** **12** **13** **14** **15** **16** **17** **18** **19** **20** **21** **22** **23** **24** **25** **26**
- 16 RECYCLED PLASTIC BOLLARD AT 10' SPACING CONNECTED WITH A STEEL CABLE TO MATCH EXIST BIKE PATH (104 LF). FIELD VERIFY SPACING. SEE PHOTO & DETAIL **1** **2** **3** **4** **5** **6** **7** **8** **9** **10** **11** **12** **13** **14** **15** **16** **17** **18** **19** **20** **21** **22** **23** **24** **25** **26**
- 17 INSTALL STENCILING TO EXIST CATCH BASIN (1 EA). PROVIDE MARKING ON PAVEMENT THAT PROHIBITS ILLEGAL DUMPING INTO DRAIN INLET PER CALIFORNIA STORMWATER QUALITY ASSOCIATION HANDBOOK SD-13.
- 18 3" PVC OUTLET PER SDRSD D-27 FOR 4" PVC PIPE FOR WALL SUBDRAIN (2 EA). PROVIDE 4" TO 3" PVC REDUCER AFTER 45° BEND (2 EA).
- 19 6" WIDE, 0.5" THICK CONCRETE CROSS GUTTER PER SDRSD G-12, MODIFIED WITH 3% CROSS SLOPE.
- 20 NEW TWO 13" WIDE, 8" HIGH SWING GATE PER SDRSD M-5
- 21 RAISE EXIST SEWER MANHOLE RIM AND COVER TO MATCH FINISH GRADE.
- 22 NEW PAVEMENT SYMBOL PER SDRSD M-29
- 23 NEW 4" BLUE STRIPES PER SDRSD M-27A
- 24 NEW 4" WHITE STRIPE PARKING LOT MARKING PAINT (TYP) (450 LF)
- 25 END OF NEW CABLE & BOLLARD FOR BIKE PATH. SEE DETAIL **1** **2** **3** **4** **5** **6** **7** **8** **9** **10** **11** **12** **13** **14** **15** **16** **17** **18** **19** **20** **21** **22** **23** **24** **25** **26**
- 26 NEW DISABLED PARKING SIGN PER SDRSD M28A
- 27 NEW PAVEMENT MARKING ARROWS PER CALTRANS STD PLAN A24A & A24B (4 TOTAL)
- 28 NEW STOP SIGN FOR BIKE PATH PER MUTCD R1-1
- 29 NEW SIGNS FOR BIKE PATH PER MUTCD D11-1 & M4-12.
- 30 NEW SIGNS FOR BIKE PATH PER MUTCD R1-1, W11-2 & 12" SOLID WHITE LINE.
- 31 TRANSITION FROM 6" CURB TO 0" CURB (34 LF)
- 32 0" TC
- 33 6" TC
- 34 CONSTRUCTION OF NEW CONCRETE RAMP ACCESS AND LOADING RAMP (4,759 SF). SEE SHEET S4 & C4 FOR CONTINUATION OF RAMP ACCESS AND LOADING RAMP. JOINT & REINFORCEMENT PER SHEET S1 & S3.
- 35 NEW 0.5" WIDE, 6" HIGH CONCRETE CURB FOR RAMP ACCESS (45 LF). SEE SHEET C4 & S4 FOR CONTINUATION OF RAMP ACCESS AND LOADING RAMP.

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PLANNING ■ DESIGN ■ CONSTRUCTION

REGISTERED PROFESSIONAL ENGINEER  
No. 6336  
Exp. 06/29/09  
STATE OF CALIFORNIA  
CIVIL

REV.	DESCRIPTION	BY	DATE

JOB NAME: IMPROVEMENTS TO THE PUBLIC WORKS YARD  
LOCATION: IMPERIAL BEACH, CA

DESCRIPTION: ENLARGED SITE PLAN B

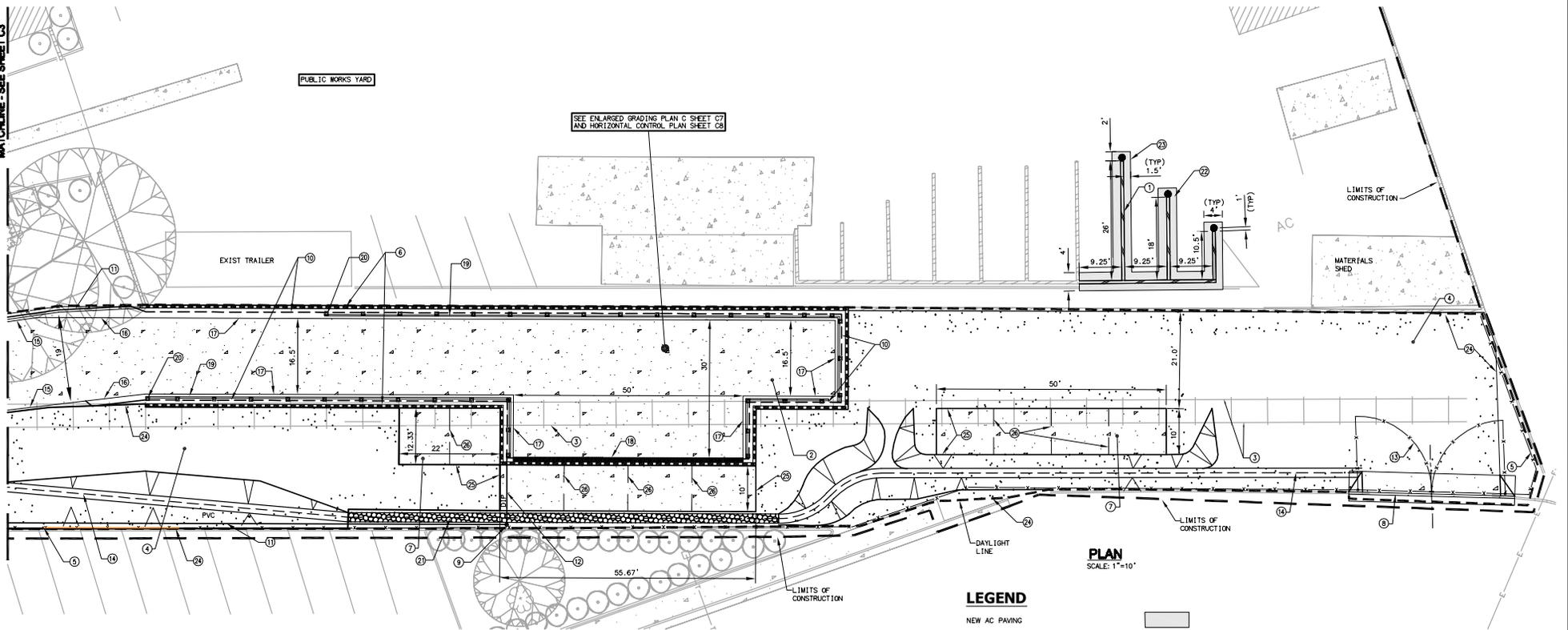
DRAWN BY: OO	CHECKED BY: MH
SCALE: VARIES	DATE: REVISED 01-29-09
JOB NUMBER	SHEET
25-102631	C3

BID SET 02-04-09

MATCHLINE - SEE SHEET C3

PUBLIC WORKS YARD

SEE ENLARGED GRADING PLAN C SHEET C7 AND HORIZONTAL CONTROL PLAN SHEET C8



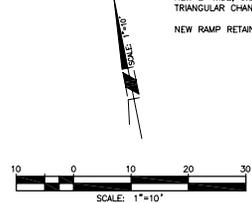
PLAN SCALE: 1"=10'

LEGEND

- NEW AC PAVING
- NEW CONCRETE PAVING
- NEW CLASS II AGGREGATE BASE
- NEW 8' HIGH CHAIN LINK FENCE
- NEW 8' HIGH CHAIN LINK SWING GATES
- NEW SLOPE (4:1 MAX RATIO)
- NEW CMU WALL STALL FOR MATERIAL BINS
- DAYLIGHT LINE
- LIMITS OF CONSTRUCTION
- NEW 2' WIDE, 0.5' DEEP NATIVE ROCK TRIANGULAR CHANNEL
- NEW RAMP RETAINING WALL

WORK TO BE DONE

- 1 CONSTRUCT THREE NEW BINS WITH 48" HIGH CONCRETE MASONRY UNIT WALLS (330 SF OF 8' ODU) PER SORSO C-5. CENTERED IN FRONT OF EACH WALL SHALL BE A 4" CONCRETE FILLED STEEL PIPE BOLLARD PER SORSO W-04 TYPE 'A'. MAINTAIN ACCESS TO MATERIALS SHED AT ALL TIMES. SEE PHOTOS (10, 17, 24, 21, 24, 21)
- 2 CONSTRUCTION OF NEW CONCRETE LOADING RAMP AND RAMP ACCESS (4,759 SF) OVER EXISTING RAILS. SEE SHEET 54.
- 3 ALL RAILROAD TRACK RAILS AND TIES WITHIN THE PROJECT BOUNDARY THAT ARE TO BE COVERED SHALL BE PROTECTED (420 LF). SEE PHOTOS & DETAIL (3, 4, 6, 24, 13, 24, 13)
- 4 NEW 6" THICK CLASS II BASE (PER CALTRANS STD SPECS 26-1.02A) DRIVEWAY (8,094 SF). SEE DETAIL.
- 5 NEW 8' HIGH CHAIN LINK 9-GAUGE PERIMETER FENCING PER SORSO M20 (SEE SHEETS S1-S4. (352 LF, 2,715 SF)
- 6 NEW 6" THICK CONCRETE SLAB FOR TRASH BINS (1548 SF). SEE DETAIL (4, 1)
- 7 NEW 30' WIDE CONCRETE DRIVEWAY PER SORSO G-14B, MODIFIED (221 SF)
- 8 NEW 12" NYLOPLAST DRAIN BASIN WITH SOLID COVER, H-20 TRAFFIC RATED FOR SD CLEANOUT (1 EA)
- 9 4" PVC PERFORATED PIPE FOR WALL SUBDRAIN (345 LF)
- 10 4" PVC PIPE FOR WALL SUBDRAIN (186 LF). SEE SHEET S3
- 11 4" DIP WITH 6" ENCASUREMENT AROUND PIPE FOR WALL SUBDRAIN (15 LF)
- 12 NEW TWO 16' WIDE SWING GATES PER SORSO M-5
- 13 2' BOTTOM, MAXIMUM 4:1 SIDE SLOPE, UNLINED TRAPEZOIDAL CHANNEL. SEE SECTION (D, 24, C7)
- 14 NEW 0.5' WIDE, 6" HIGH CONCRETE CURB FOR RAMP ACCESS (45 LF)
- 15 TRANSITION FROM 0.5' TO 2.12" WIDE, 6" HIGH CONCRETE CURB FOR RAMP ACCESS (44 LF). SEE SHEET S3
- 16 NEW 2.12" WIDE, 6" HIGH CONCRETE CURB PER SHEET S3 (293.5 LF)
- 17 NEW 1" WIDE, 6" HIGH CONCRETE CURB (50 LF). SEE SECTION (B, 24, C7)
- 18 NEW GUARD RAIL SYSTEM PER SHEET S3 (254 LF)
- 19 POST FOR GUARD RAIL SYSTEM PER SHEET S3 (36 EA). INSTALL PER MANUFACTURERS DIRECTION.
- 20 2" WIDE, 0.5' DEEP NATIVE ROCK TRIANGULAR CHANNEL (94 LF). SEE SECTION (B, 24, C7)
- 21 NEW ASPHALT CONCRETE & SUB-BASE TO MATCH EXIST (290 SF)
- 22 SAWOUT LINE
- 23 EDGE OF CLASS II BASE
- 24 EDGE OF CONCRETE
- 25 WEAKENED PLANE JOINT PER SORSO G-10



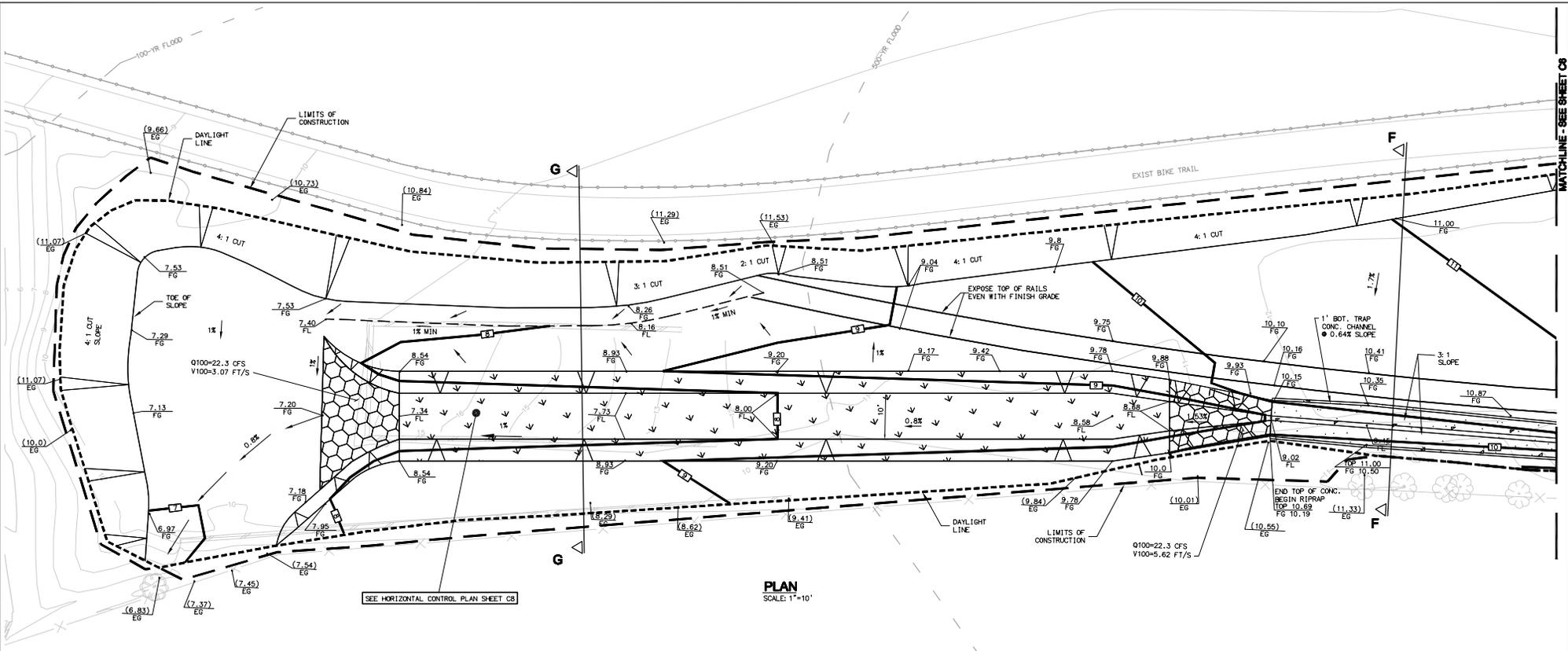
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REV.	DESCRIPTION	BY	DATE

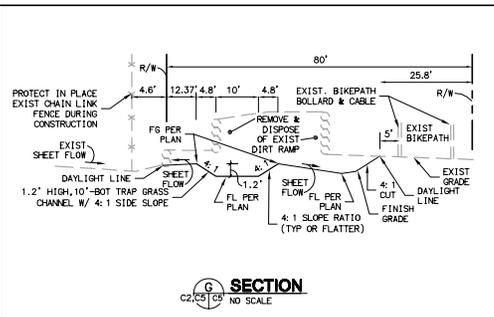
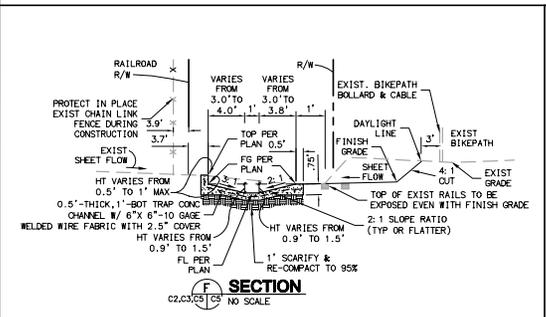
  

JOB NAME: IMPROVEMENTS TO THE PUBLIC WORKS YARD	DRAWN BY: OO	CHECKED BY: MH
LOCATION: IMPERIAL BEACH, CA	SCALE: VARIES	
	DATE: REVISED 04-17-09	
DESCRIPTION: ENLARGED SITE PLAN C	JOB NUMBER: 25-102631	SHEET: C4

N:\P\A\20090513\CA001\WORK\DWG\2517\CA-C4.DWG - CORRIGIA 6/20/09 8:13 AM



PLAN  
SCALE: 1"=10'



**EARTHWORK QUANTITIES:**

CUT = 2114 CUBIC YARDS  
 FILL = 1750 CUBIC YARDS  
 EXPORT = 364 CUBIC YARDS

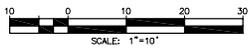
(QUANTITIES ARE BASED ON THE FINISH GRADE ELEVATIONS AND EXISTING GRADE ELEVATIONS. SEE NOTE BELOW)

**NOTE:**

ESTIMATED QUANTITIES ARE FOR PERMIT PURPOSES ONLY. CONTRACTOR SHALL MAKE OWN DETERMINATION OF ALL QUANTITIES AND SHALL BE RESPONSIBLE FOR CONSTRUCTING THE SITE TO THE LINES AND GRADES SHOWN REGARDLESS OF THE QUANTITIES OF MATERIAL ACTUALLY MOVED, AT NO ADDITIONAL COST TO THE OWNER.



REV.	DESCRIPTION	BY	DATE



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 LOCATION: IMPERIAL BEACH, CA

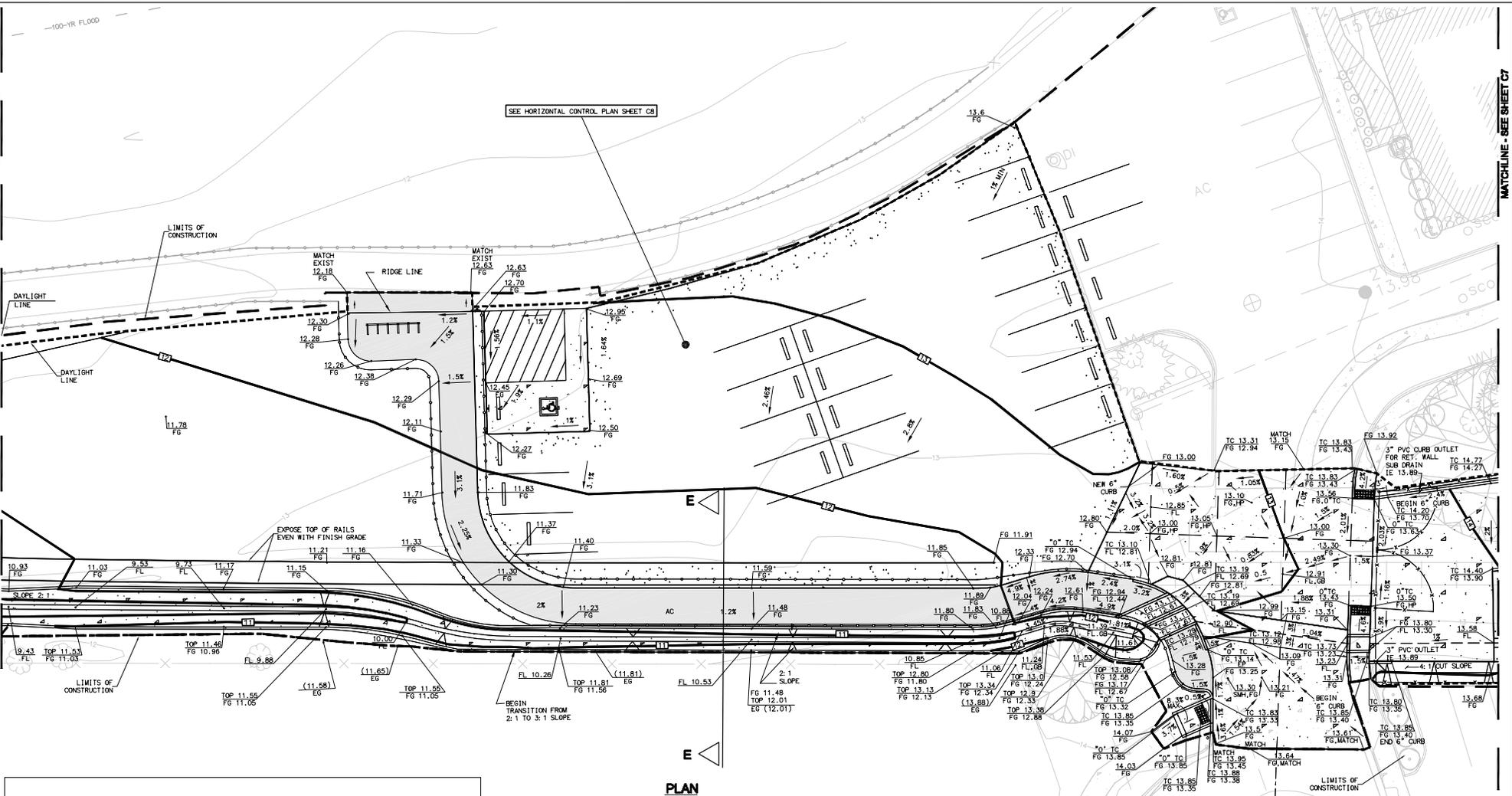
DESCRIPTION: ENLARGED GRADING PLAN A

DRAWN BY: OO      CHECKED BY: MH  
 SCALE: VARIES  
 DATE: REVISED 01-29-09  
 JOB NUMBER      SHEET  
 25-102631      C5

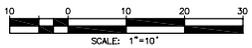
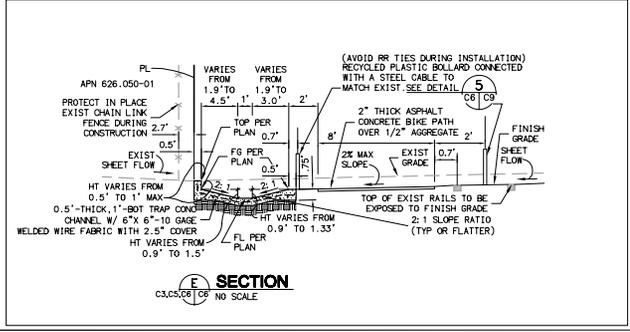
MATCHLINE - SEE SHEET C5

MATCHLINE - SEE SHEET C7

SEE HORIZONTAL CONTROL PLAN SHEET C9



PLAN  
SCALE: 1"=10'



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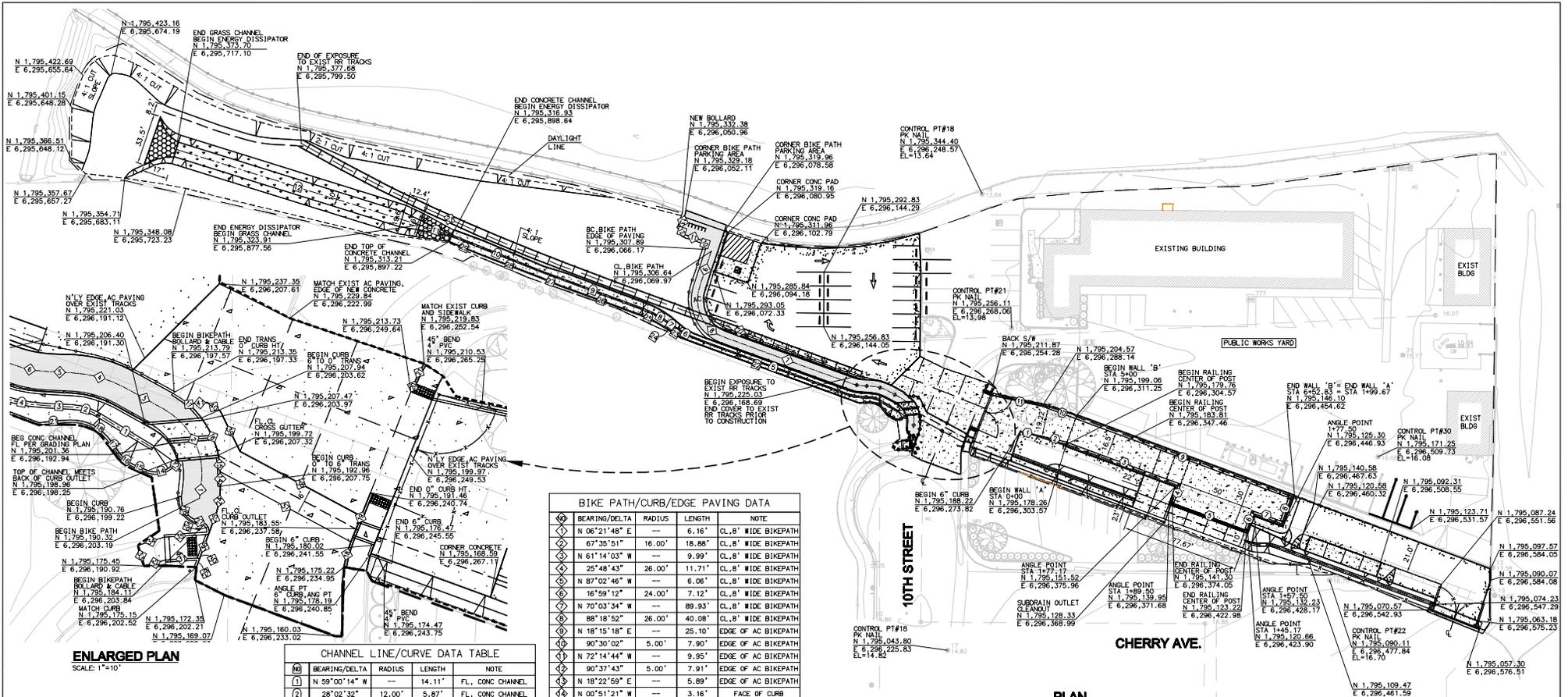
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LOCATION: IMPERIAL BEACH, CA	SCALE: VARIES	DATE: REVISED 01-29-09
DESCRIPTION: ENLARGED GRADING PLAN B	JOB NUMBER: 25-102631	SHEET: C6

BID SET 02-04-09





**ENLARGED PLAN**  
SCALE: 1"=10'

**CHANNEL LINE/CURVE DATA TABLE**

NO	BEARING/DELTA	RADIUS	LENGTH	NOTE
1	N 59°00'14" W	---	14.11'	FL, CONC CHANNEL
2	28°02'32"	12.00'	5.87'	FL, CONC CHANNEL
3	N 87°02'46" W	---	6.04'	FL, CONC CHANNEL
4	17°07'04"	35.00'	10.46'	FL, CONC CHANNEL
5	N 69°55'42" W	---	102.56'	FL, CONC CHANNEL
6	16°15'19"	75.00'	21.28'	FL, CONC CHANNEL
7	N 53°40'23" W	---	1.56'	FL, CONC CHANNEL
8	15°22'08"	75.00'	20.12'	FL, CONC CHANNEL
9	N 69°43'09" W	---	71.23'	FL, CONC CHANNEL
10	N 68°17'28" W	---	64.26'	FL, CONC CHANNEL
11	N 71°41'05" W	---	22.21'	ENERGY DISSIPATOR
12	N 72°45'39" W	---	168.00'	FL, GRASSY SWALE
13	N 37°56'46" E	---	1.24'	TOP, CONC CHANNEL
14	76°00'15"	5.00'	6.63'	TOP, CONC CHANNEL
15	N 66°02'59" W	---	3.44'	TOP, CONC CHANNEL
16	29°02'59"	6.00'	3.04'	TOP, CONC CHANNEL
17	N 37°00'00" W	---	4.67'	TOP, CONC CHANNEL
18	57°35'26"	10.21'	10.26'	TOP, CONC CHANNEL
19	---	---	---	NOT USED
20	---	---	---	NOT USED
21	N 85°01'25" E	---	6.32'	TOP, CONC CHANNEL
22	N 69°55'42" W	---	125.83'	TOP, CONC CHANNEL
23	04°53'42"	105.01'	8.97'	TOP, CONC CHANNEL
24	N 69°43'32" W	---	1.81'	TOP, CONC CHANNEL
25	14°28'09"	75.83'	19.15'	TOP, CONC CHANNEL
26	N 70°03'43" W	---	56.18'	TOP, CONC CHANNEL
27	N 67°20'14" W	---	15.06'	TOP, CONC CHANNEL
28	N 69°02'21" W	---	43.26'	TOP, CONC CHANNEL
29	N 67°30'43" W	---	21.01'	TOP, CONC CHANNEL

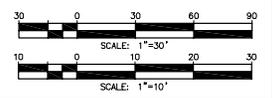
**BIKE PATH/CURB/EDGE PAVING DATA**

NO	BEARING/DELTA	RADIUS	LENGTH	NOTE
1	N 06°21'48" E	---	6.16'	CL.8" WIDE BIKEPATH
2	N 61°14'03" W	---	9.99'	CL.8" WIDE BIKEPATH
3	25°48'43"	26.00'	11.71'	CL.8" WIDE BIKEPATH
4	N 87°02'46" W	---	6.06'	CL.8" WIDE BIKEPATH
5	16°59'12"	24.00'	7.12'	CL.8" WIDE BIKEPATH
6	N 70°03'34" W	---	89.93'	CL.8" WIDE BIKEPATH
7	88°18'52"	26.00'	40.08'	CL.8" WIDE BIKEPATH
8	N 18°15'18" E	---	25.10'	EDGE OF AC BIKEPATH
9	90°30'02"	5.00'	7.90'	EDGE OF AC BIKEPATH
10	N 72°14'44" W	---	9.95'	EDGE OF AC BIKEPATH
11	90°37'43"	5.00'	7.91'	EDGE OF AC BIKEPATH
12	N 18°22'59" E	---	5.89'	EDGE OF AC BIKEPATH
13	N 00°51'21" W	---	3.16'	FACE OF CURB
14	08°57'34"	20.00'	3.13'	FACE OF CURB
15	27°29'14"	20.00'	9.59'	FACE OF D-25 OUTLET
16	23°27'54"	20.00'	8.19'	FACE OF CURB
17	10°53'47"	30.30'	5.76'	FACE OF CURB
18	N 21°47'11" E	---	11.52'	FACE OF CURB
19	N 21°47'11" E	---	2.37'	FACE OF CURB
20	11°07'51"	22.66'	4.40'	FACE OF CURB
21	N 69°59'44" W	---	191.35'	CL. EXIST RR TRACKS
22	10°11'51"	1233.78'	219.59'	CL. EXIST RR TRACKS
23	20°52'07"	18.00'	6.56'	EDGE OF AC BIKEPATH
24	N 20°00'46" E	---	4.41'	EDGE OF AC BIKEPATH
25	89°19'45"	2.00'	3.12'	FACE OF CURB
26	N 69°18'59" W	---	1.67'	FACE OF CURB
27	75°40'47"	5.00'	6.60'	FACE OF CURB
28	N 20°00'46" E	---	2.02'	FACE OF CURB
29	N 69°59'14" W	---	0.50'	FACE OF CURB
30	N 86°20'40" E	---	7.00'	FACE OF CURB
31	N 74°39'37" E	---	5.01'	EDGE OF CONC S/W
32	N 15°43'47" W	---	4.73'	MATCH EXIST S/W
33	N 73°03'23" E	---	6.06'	EDGE OF CONC S/W
34	N 86°20'40" E	---	9.74'	FACE OF CURB
35	N 20°00'46" E	---	5.70'	FACE OF CURB
36	N 61°54'29" W	---	32.60'	EDGE CROSS GUTTER
37	N 61°54'29" W	---	30.18'	EDGE CROSS GUTTER
38	N 25°56'47" W	---	9.82'	EDGE CROSS GUTTER
39	N 56°05'25" W	---	3.48'	EDGE CROSS GUTTER
40	N 84°41'53" E	---	4.15'	EDGE CROSS GUTTER

**CURB RAMP DATA TABLE**

NO	BEARING/DELTA	RADIUS	LENGTH	NOTE
1	N 76°37'48" W	---	10.15'	0.5" WIDE CONC CURB
2	N 76°37'48" W	---	21.44'	0.5"-2.17" WIDE TRANS
3	N 69°43'32" W	---	80.00'	2.17" WIDE CONC CURB
4	N 20°16'28" E	---	13.50'	2.17" WIDE CONC CURB
5	N 69°43'32" W	---	50.00'	2.17" WIDE CONC CURB
6	N 20°16'28" E	---	13.50'	2.17" WIDE CONC CURB
7	N 69°43'32" W	---	20.00'	2.17" WIDE CONC CURB
8	N 20°16'28" E	---	16.50'	2.17" WIDE CONC CURB
9	N 69°43'32" W	---	150.00'	2.17" WIDE CONC CURB
10	N 69°43'32" W	---	23.59'	0.5"-2.17" WIDE TRANS
11	N 77°49'39" W	---	34.64'	0.5" WIDE CURB

**PLAN**  
SCALE: 1"=30'



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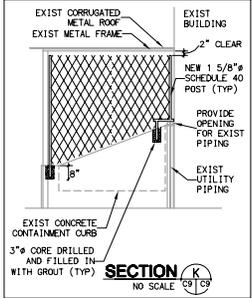
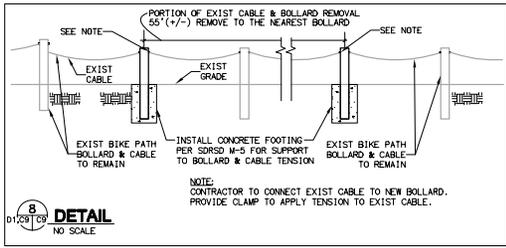
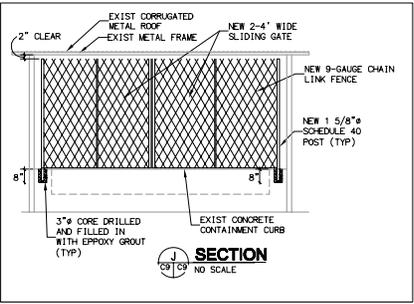
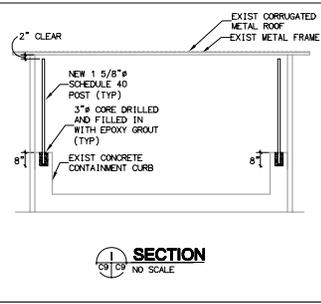
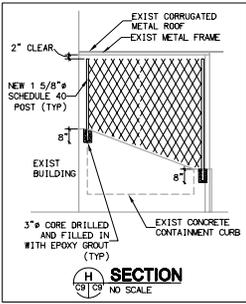
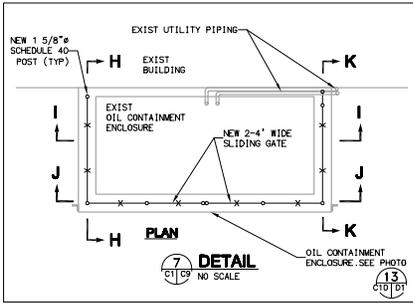
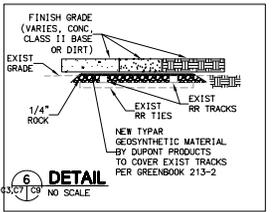
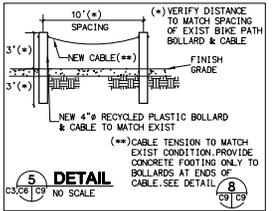
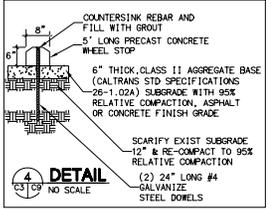
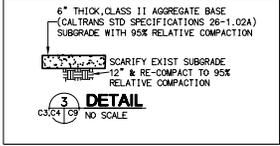
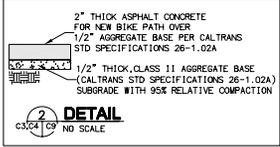
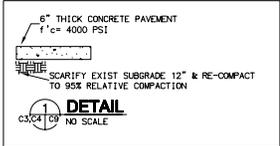
REV.	DESCRIPTION	BY	DATE

JOB NAME: IMPROVEMENTS TO THE PUBLIC WORKS YARD  
LOCATION: IMPERIAL BEACH, CA

DESCRIPTION: HORIZONTAL CONTROL PLAN

DRAWN BY: OO  
SCALE: VARIES  
DATE: REVISED 01-29-09  
JOB NUMBER: 25-102631

CHECKED BY: MH  
SHEET: CB



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REV.	DESCRIPTION	BY	DATE

JOB NAME: IMPROVEMENTS TO THE PUBLIC WORKS YARD	DRAWN BY: OO	CHECKED BY: MH
LOCATION: IMPERIAL BEACH, CA	SCALE: VARIES	DATE: REVISED 01-29-09
DESCRIPTION: DETAIL SHEET	JOB NUMBER: 25-102631	SHEET: C9



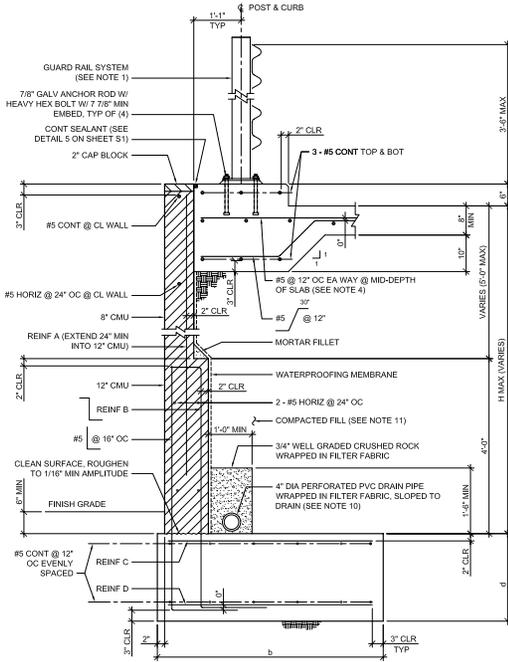


**CONCRETE MASONRY RETAINING WALL DIMENSIONS SCHEDULE**

H MAX	DIST b	DIST d
9'-0"	10'-0"	1'-0"
7'-6"	9'-0"	1'-0"

**CONCRETE MASONRY RETAINING WALL REINFORCING SCHEDULE**

H MAX	REINF A	REINF B	REINF C	REINF D
9'-0"	#5 @ 16" OC	#5 @ 8" OC	#5 @ 16" OC	#5 @ 8" OC
7'-6"	#5 @ 16" OC			



**RETAINING WALL SECTION AND SCHEDULE**

SCALE: 3/4" = 1'-0"

**NOTES:**

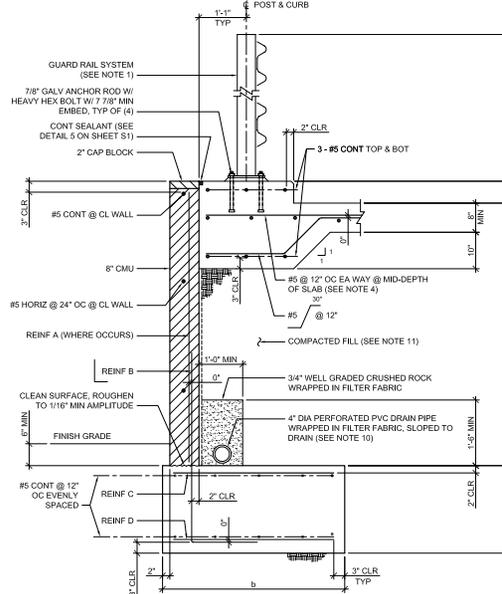
- INSTALL GUARD RAIL SYSTEM (WHERE OCCURS) BY BEACON INDUSTRIES, INC. COORDINATE ANCHOR LOCATION WITH MANUFACTURER PRIOR TO PLACING CONCRETE.
- PROVIDE STEPS IN FOOTINGS PER DETAIL 2 ON SHEET S1.
- PROVIDE REINFORCING AT CORNERS AND INTERSECTIONS OF FOOTINGS PER DETAIL 4 ON SHEET S1.
- PROVIDE CONSTRUCTION JOINTS IN CURB AND CONCRETE SLAB-ON-GRADE PER DETAIL 5 ON SHEET S1.
- PROVIDE CONSTRUCTION JOINTS CONCRETE MASONRY WALLS PER DETAIL 7 ON SHEET S2.
- PROVIDE MASONRY WALL COURSES PER DETAILS 1 AND 2 ON SHEET S2.
- PROVIDE REINFORCING AT ENDS OF CONCRETE MASONRY WALLS PER DETAIL 3 ON SHEET S2.
- PROVIDE REINFORCING AT CORNERS AND INTERSECTIONS OF CONCRETE MASONRY WALLS PER DETAILS 4 AND 5 ON SHEET S2.
- PROVIDE LAP SPLICES FOR REINFORCING OF CONCRETE MASONRY WALLS PER DETAIL 6 ON SHEET S2.
- COORDINATE WALL DRAINAGE SYSTEM WITH CIVIL.
- FILL AND FOUNDATION SHALL BE COMPACTED TO 90% RELATIVE COMPACTION PER ASTM D1557.
- PRIOR TO REQUESTING A BUILDING DEPARTMENT FOUNDATION INSPECTION, THE SOILS ENGINEER/GEOTECHNICAL CONSULTANT SHALL INSPECT AND APPROVE THE FOUNDATION EXCAVATION.

**CONCRETE MASONRY RETAINING WALL DIMENSIONS SCHEDULE**

H MAX	DIST b	DIST d
5'-6"	7'-6"	1'-0"
3'-6"	5'-2"	1'-0"
2'-2"	3'-4"	1'-0"

**CONCRETE MASONRY RETAINING WALL REINFORCING SCHEDULE**

H MAX	REINF A	REINF B	REINF C	REINF D
5'-6"	#5 @ 16" OC			
3'-6"	#4 @ 32" OC	#4 @ 32" OC	#4 @ 16" OC	#4 @ 16" OC
2'-2"	N/A	#4 @ 32" OC	#4 @ 16" OC	#4 @ 16" OC

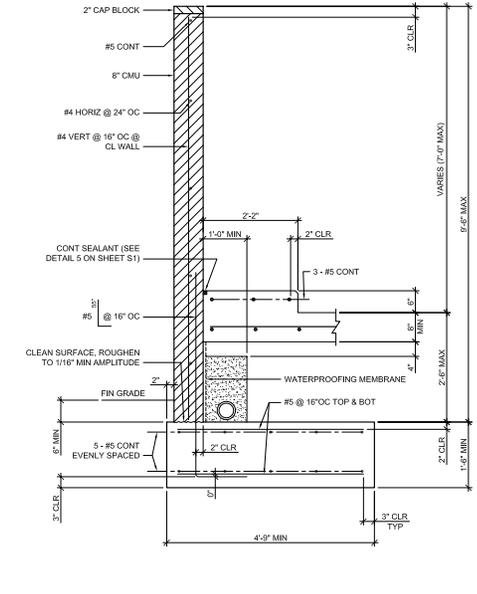


**RETAINING WALL SECTION AND SCHEDULE**

SCALE: 3/4" = 1'-0"

**NOTE:**

FOR ITEMS SHOWN BUT NOT SPECIFIED SEE DETAILS 1 AND 2 OF THIS SHEET.



**RETAINING WALL SECTION WITH SCREEN WALL**

SCALE: 3/4" = 1'-0"

**DESIGN CRITERIA**

- SEISMIC LOADING CRITERIA:
 

DESIGN BUILDING CODE:	2007 CALIFORNIA BUILDING CODE
SEISMIC SOIL SITE CLASS:	D
SEISMIC OCCUPANCY CATEGORY:	II
SEISMIC DESIGN CATEGORY:	D
SEISMIC IMPORTANCE FACTOR, I:	1.00
SHORT PERIOD MCE SPECTRAL RESPONSE ACCELERATION, S <sub>1</sub> :	1.343
1 SECOND PERIOD MCE SPECTRAL RESPONSE ACCELERATION, S <sub>2</sub> :	0.527
DESIGN SHORT PERIOD MCE SPECTRAL RESPONSE ACCELERATION, S <sub>3</sub> :	0.896
DESIGN 1 SECOND PERIOD MCE SPECTRAL RESPONSE ACCELERATION, S <sub>3</sub> :	0.527



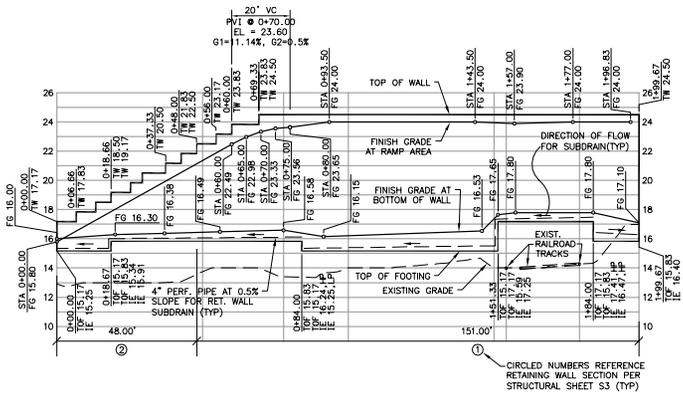
7839 University Ave  
Suite 1108B  
La Mesa, CA 91943  
tel / fax 619.312.6336  
aarkengineering.com

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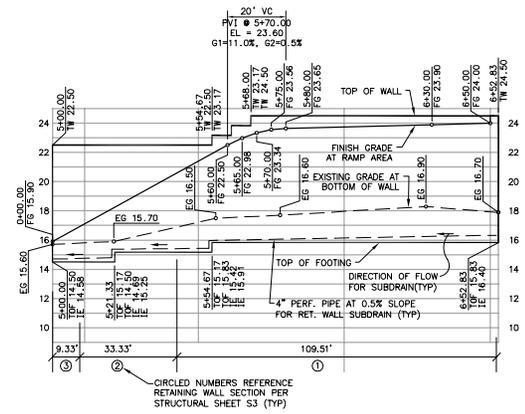
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REV.	DESCRIPTION	BY	DATE

JOB NAME: IMPROVEMENTS TO THE PUBLIC WORKS YARD	DRAWN BY: MVB	CHECKED BY: MVB
LOCATION: IMPERIAL BEACH, CA	SCALE: AS NOTED	
	DATE: 10-22-08	
	JOB NUMBER	SHEET
DESCRIPTION: RETAINING WALL SECTIONS	RBF.006.00	S3



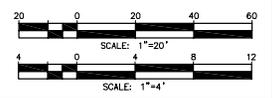
**WALL PROFILE 'A'**  
SCALE: HORIZ. 1"=20'  
VERT. 1"=4'



**WALL PROFILE 'B'**  
SCALE: HORIZ. 1"=20'  
VERT. 1"=4'

**NOTES:**

SEE SHEETS S1, S2 & S3 FOR RETAINING WALL GENERAL NOTES, STRUCTURAL DETAILS AND SECTIONS.

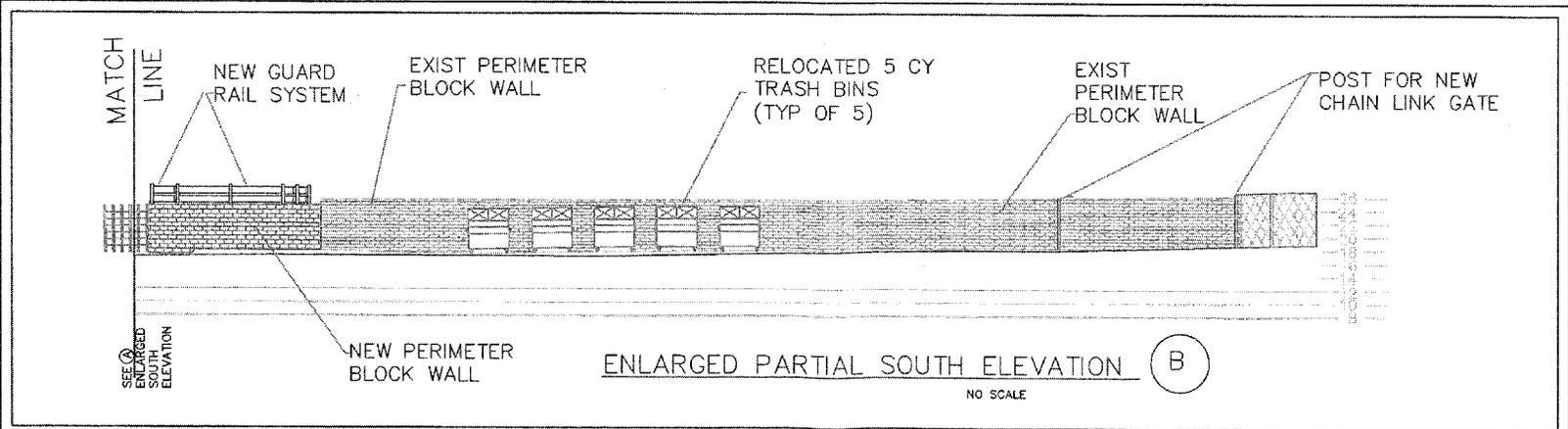
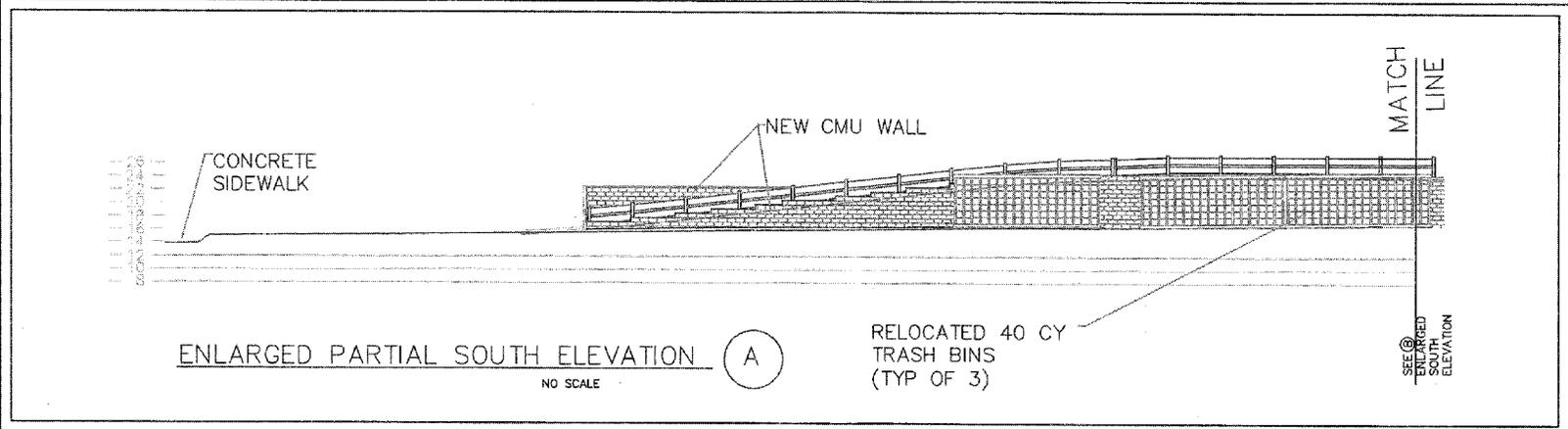
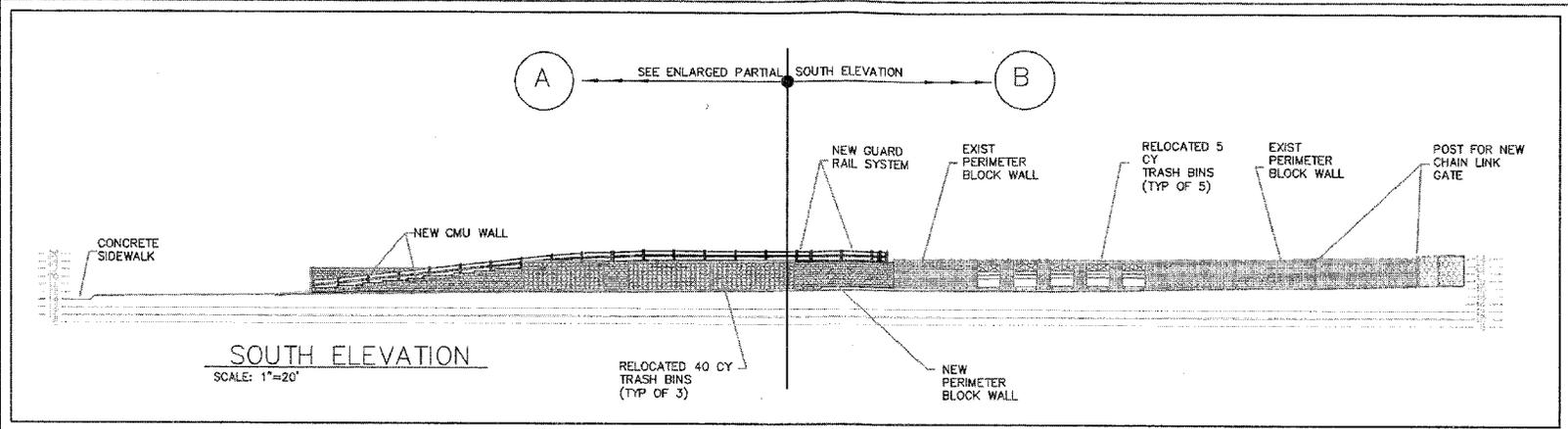


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REV.	DESCRIPTION	BY	DATE

JOB NAME: IMPROVEMENTS TO THE PUBLIC WORKS YARD	DRAWN BY: OO	CHECKED BY: MH
LOCATION: IMPERIAL BEACH, CA	SCALE: VARIES	DATE: REVISED 01-29-09
DESCRIPTION: RETAINING WALL PROFILES	JOB NUMBER: 25-102631	SHEET: S4



JOB NAME: IMPROVEMENT TO THE PUBLIC WORKS YARD

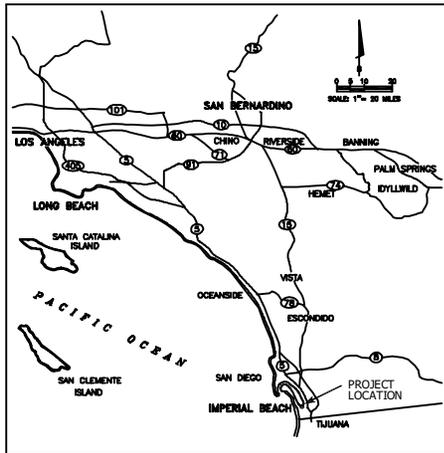
LOCATION: 495 10TH STREET ; IMPERIAL BEACH CA. 91932

DRAWN BY: XXXXXX  
 CHECKED BY: LM  
 DATE: 05-14-2009  
 JOB NUMBER: 25-102631

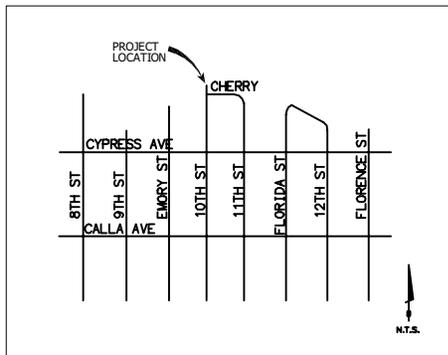
SHEET  
 ELEV-1

# CITY OF IMPERIAL BEACH PUBLIC WORKS DEPARTMENT

## IMPROVEMENTS TO THE PUBLIC WORKS YARD OFFICE ADDITION



**VICINITY MAP**



**LOCATION MAP**

**SHEET INDEX**

SHEET NO.	REF. NO.	DESCRIPTION
1	C-1	TITLE SHEET
2	C-2	OFFICE PLAN AND ELEVATIONS
3	C-3	DETAIL SHEET 1
4	C-4	DETAIL SHEET 2

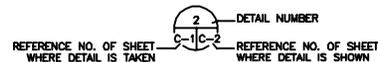
**NOTES**

CONTRACTOR SHALL PROVIDE A PRE-ENGINEERED METAL BUILDING OFFICE EXPANSION TO THE EXISTING PUBLIC WORKS BUILDING, INCLUDING A NEW SLAB ON GRADE FOUNDATION, NEW WINDOWS AND DOORS, INTERIOR WALLS, ELECTRICAL, LIGHTING, TELEPHONE, HVAC, AND INCIDENTAL RELATED WORK.  
BUILDING WILL BE PAINTED IVORY TO MATCH EXISTING ADJACENT STRUCTURE. TOTAL SQUARE FOOTAGE OF BUILDING ADDITION = 782 S.F.

**ABBREVIATIONS**

FG	FINISH GRADE
ADA	AMERICANS WITH DISABILITIES ACT
MAX	MAXIMUM
MIN	MINIMUM
O.C.	ON CENTER
STL	STEEL
SDRSD	SAN DIEGO REGIONAL STANDARD DRAWINGS (2006 EDITION)
NO.	NUMBER
REF.	REFERENCE

**SHEET REFERENCE DETAIL**



ADDRESS: 485 10TH STREET  
APN'S: 626-060-01, -02 AND -05  
EXISTING ZONING: PUBLIC FACILITIES ZONE (PF)  
PROPOSED ZONING: NO CHANGE  
GENERAL PLAN DESIGNATION: PUBLIC FACILITIES ZONE (PF)  
PROPOSED GENERAL PLAN: NO CHANGE

OWNER: CITY OF IMPERIAL BEACH  
CONTACT: LARRY MARTIN, DEPT. OF PUBLIC WORKS  
ADDRESS: 485 10TH STREET, IMPERIAL BEACH, CA  
PHONE: (619) 424-2213  
FAX: (619) 429-4881

ENGINEER: RBF CONSULTING  
ADDRESS: 9755 CLAREMONT MESA BLVD #100,  
SAN DIEGO, CA 92124  
CONTACT: MARK HILL, PE  
PHONE: (658) 614-5033  
FAX: (658) 614-5001

NUMBER OF ONSITE PARKING SPACES PROVIDED  
(WITH YARD IMPROVEMENTS): 34 PLUS 2 H.C.

GROSS LOT AREA: 3.1 ACRES  
TOTAL SQUARE FOOTAGE OF BUILDING ADDITION: 782 S.F.

REV.	DESCRIPTION	BY	DATE
N/A		MH	07.25.2007

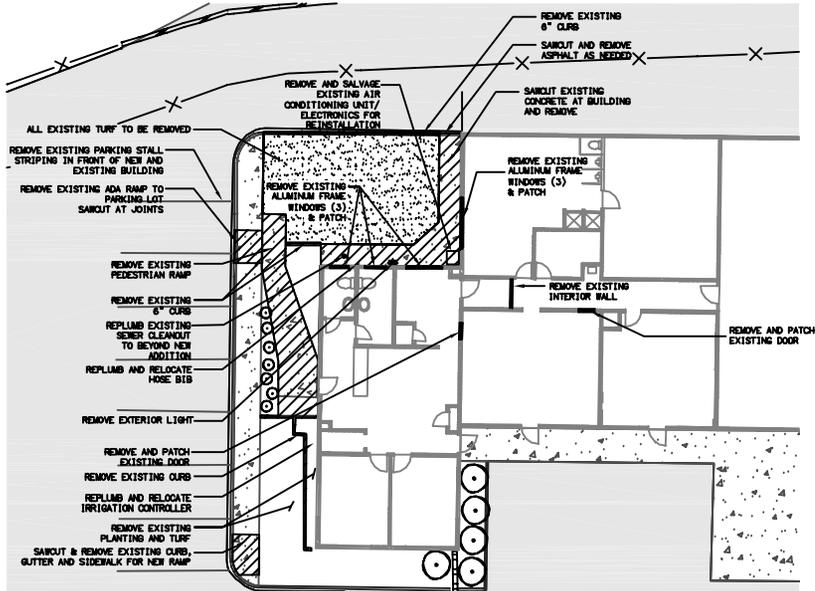
  

JOB NAME: IMPROVEMENTS TO THE PUBLIC WORKS YARD	DRAWN BY: BD	CHECKED BY: JHH
LOCATION: IMPERIAL BEACH, CA	SCALE: VARIES	DATE: 01.29.2008
DESCRIPTION: TITLE SHEET	JOB NUMBER: 25-102631	SHEET: C1

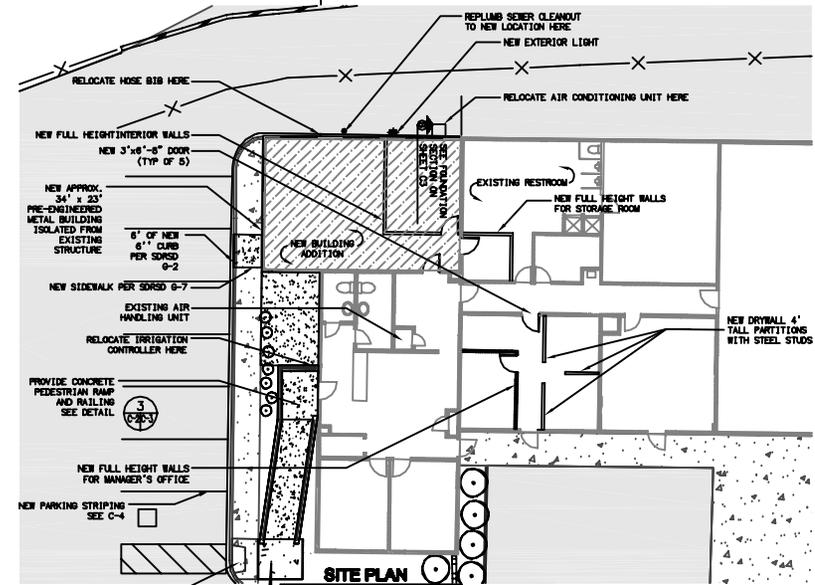
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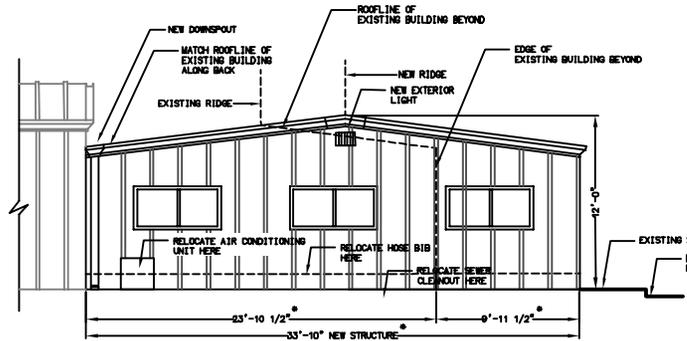
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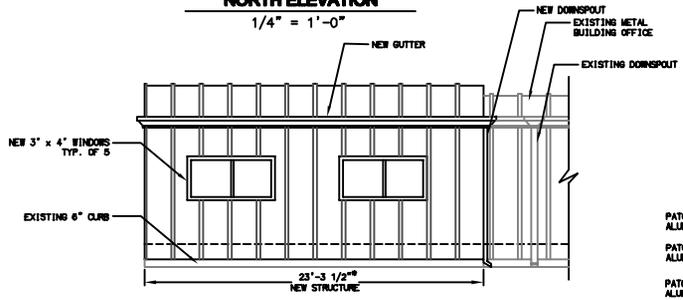
**DEMOLITION PLAN**  
SCALE: 1" = 10'



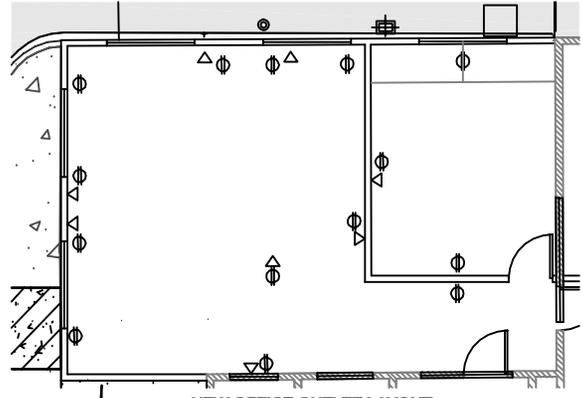
**SITE PLAN**  
SCALE: 1" = 10'



**NORTH ELEVATION**  
1/4" = 1'-0"



**WEST ELEVATION**  
1/4" = 1'-0"



**NEW OFFICE OUTLET LAYOUT**  
1/4" = 1'-0"



**WIDE VIEW EAST**



**CLOSEUP VIEW SOUTHEAST**

\* VERIFY DIMENSIONS PRIOR TO PURCHASING METAL BUILDING

**LEGEND**

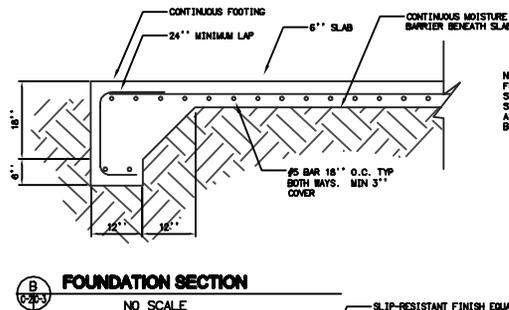
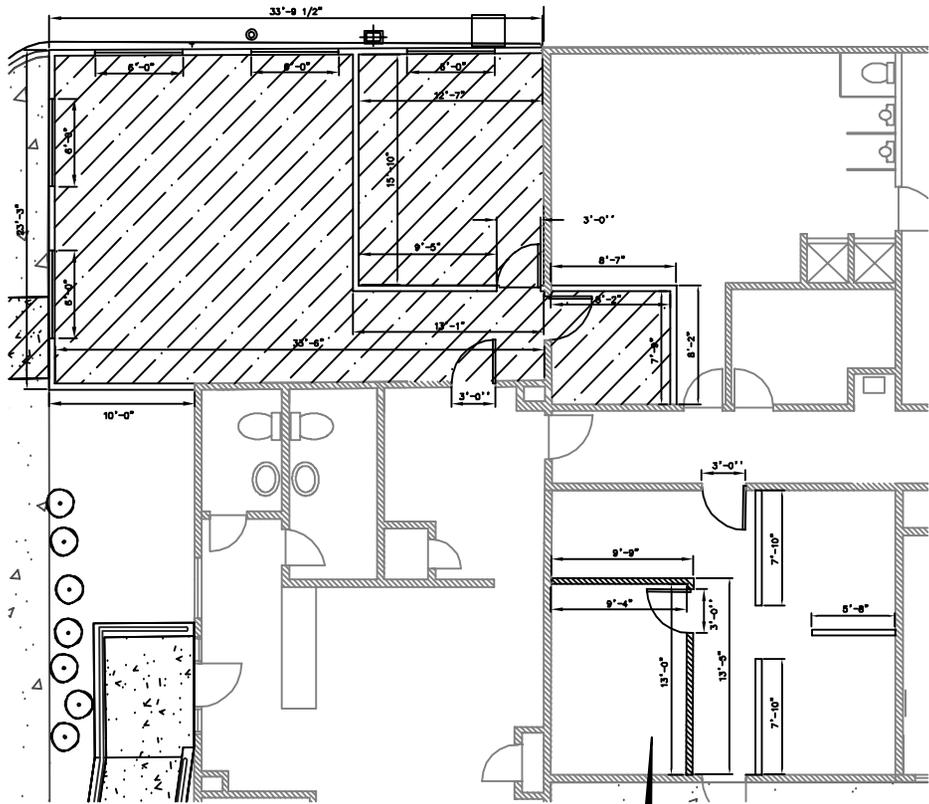
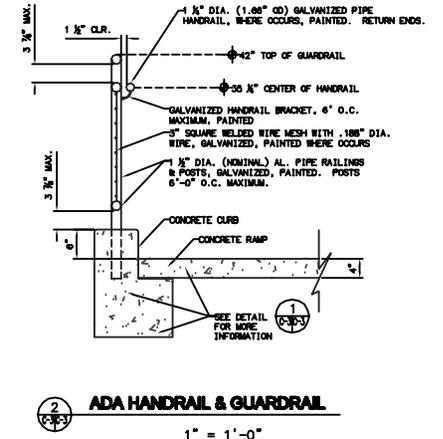
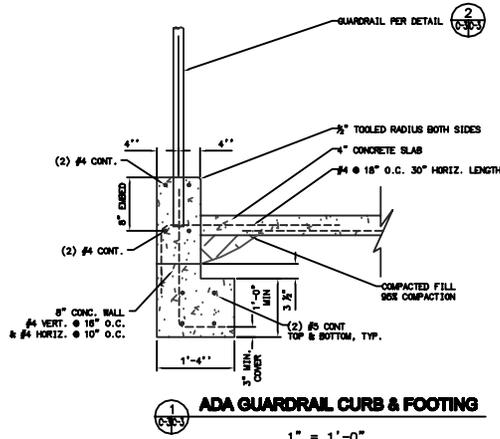
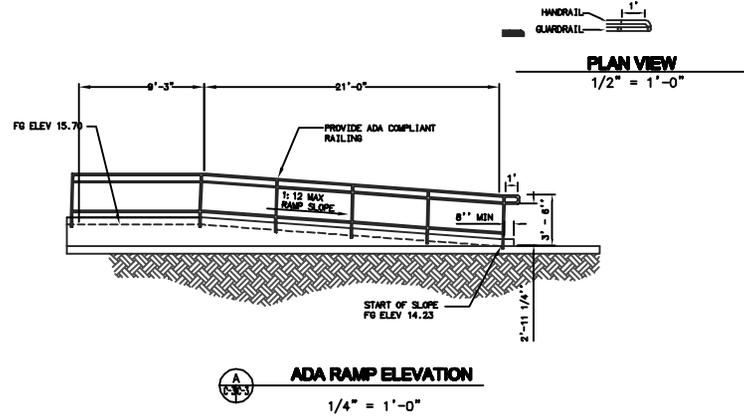
- ⊕ ELECTRICAL OUTLET
- ⚡ TELEPHONE/DATA OUTLET
- ⊕ EXTERIOR LIGHT
- HOSE BIB
- ⊙ SEWER CLEANOUT
- ▨ CONCRETE DEMOLITION
- ▨ BUILDING ADDITION

REV.	DESCRIPTION	BY	DATE
N/A		MH	07.25.2007

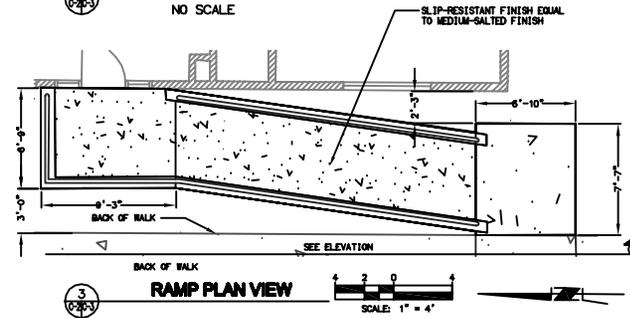
  

JOB NAME: IMPROVEMENTS TO THE PUBLIC WORKS YARD	DRAWN BY: BD	CHECKED BY: JMH
LOCATION: IMPERIAL BEACH, CA	SCALE: VARIES	DATE: 01.29.2008
DESCRIPTION: OFFICE PLAN AND ELEVATIONS	JOB NUMBER: 25-102631	SHEET: C2

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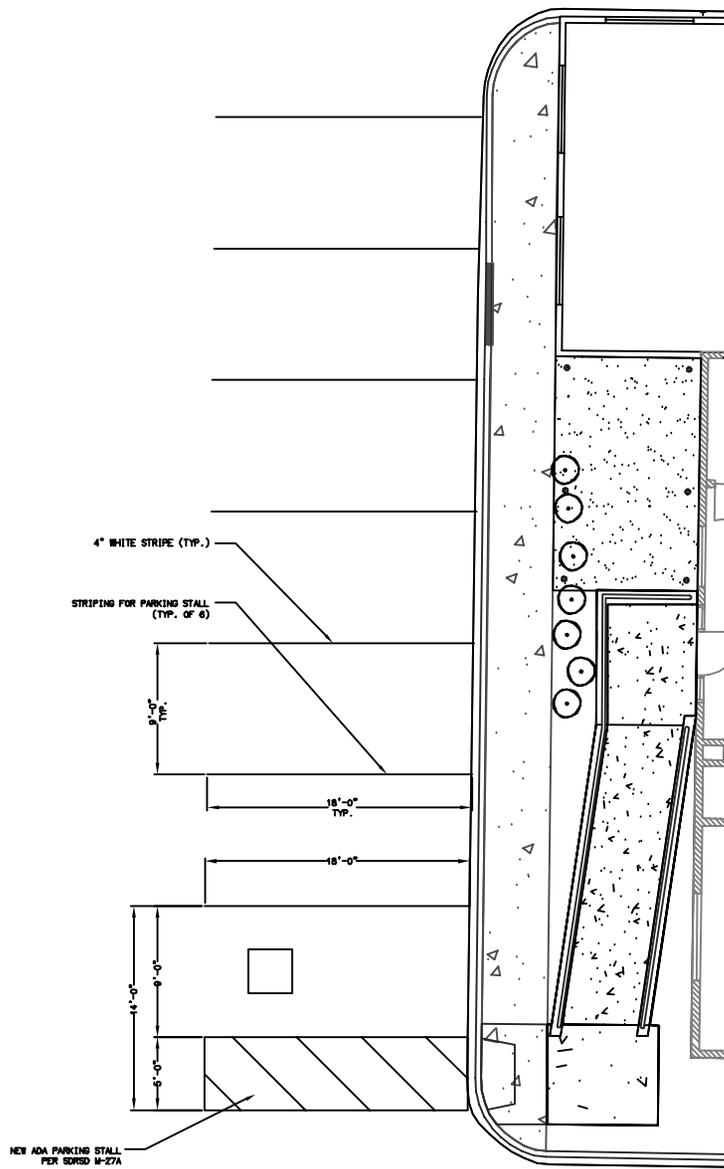
NOTE:  
FOUNDATION DESIGN IS BASED ON A SELF FRAMING WALL DESIGN. CONTRACTOR SHALL SUBMIT REVISED FOUNDATION PLAN APPROPRIATE FOR THE BUILDING TYPE PROPOSED BY CONTRACTOR.



REV.	DESCRIPTION	BY	DATE
N/A		MH	07.25.2007

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---	--	--	---	-----------------



**PARKING STALL PLAN**

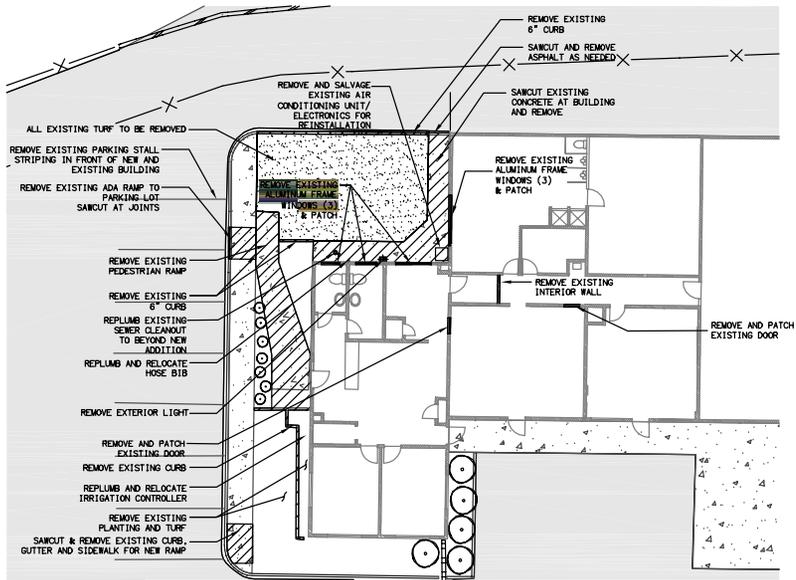


REV.	DESCRIPTION	BY	DATE
N/A		MH	07.25.2007

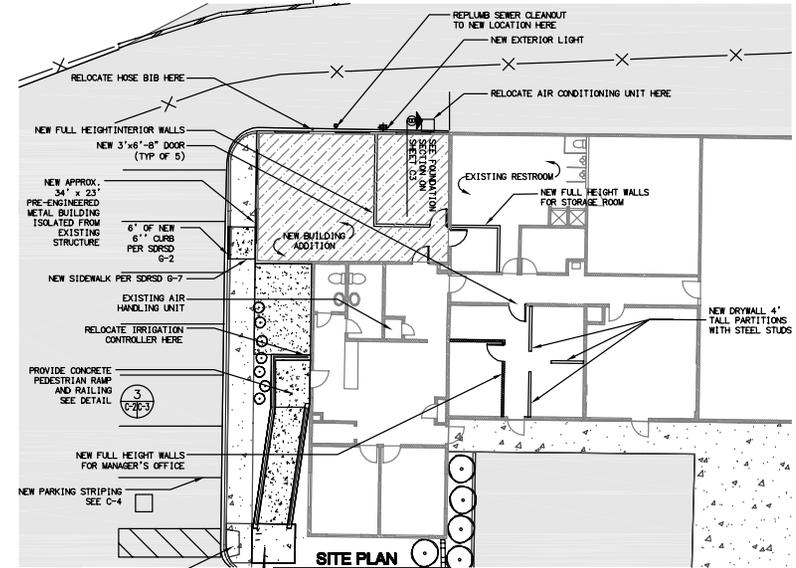
  

<b>JOB NAME:</b> IMPROVEMENTS TO THE PUBLIC WORKS YARD <b>LOCATION:</b> IMPERIAL BEACH, CA		<b>DRAWN BY:</b> BD <b>SCALE:</b> VARIES	<b>CHECKED BY:</b> JHH <b>DATE:</b> 01.29.2008
<b>DESCRIPTION:</b> DETAIL SHEET 2		<b>JOB NUMBER:</b> 25-102631	<b>SHEET:</b> C4

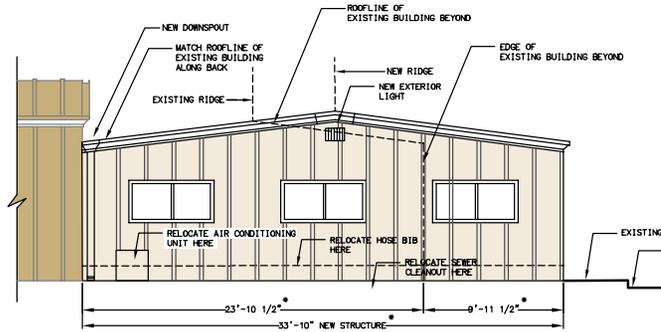
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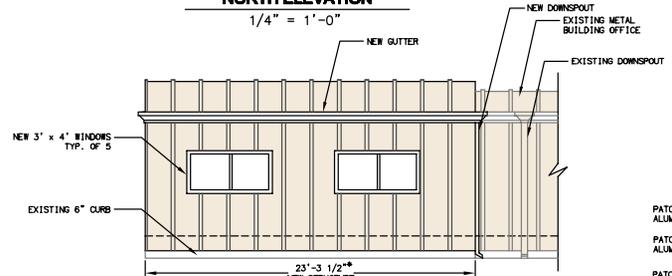
**DEMOLITION PLAN**  
SCALE: 1" = 10'



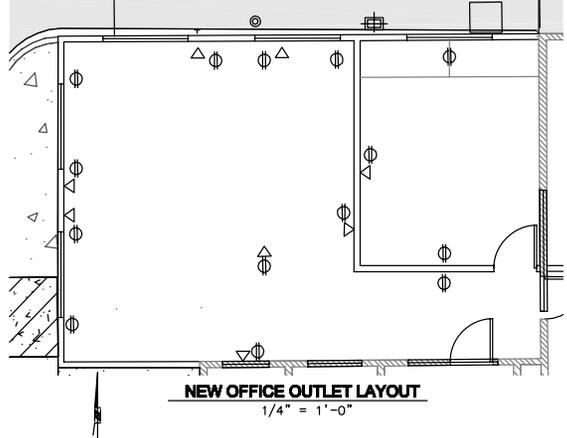
**SITE PLAN**  
SCALE: 1" = 10'



**NORTH ELEVATION**  
1/4" = 1'-0"



**WEST ELEVATION**  
1/4" = 1'-0"



**NEW OFFICE OUTLET LAYOUT**  
1/4" = 1'-0"



**WIDE VIEW EAST**



**CLOSEUP VIEW SOUTHEAST**

\* VERIFY DIMENSIONS PRIOR TO PURCHASING METAL BUILDING

**LEGEND**

- ⊕ ELECTRICAL OUTLET
- △ TELEPHONE/DATA OUTLET
- ⊕ EXTERIOR LIGHT
- + HOSE BIB
- ⊙ SEWER CLEANOUT
- ▨ CONCRETE DEMOLITION
- ▨ BUILDING ADDITION

REV	DESCRIPTION	BY	DATE
N/A		MH	07.25.2007

JOB NAME: IMPROVEMENTS TO THE PUBLIC WORKS YARD	DRAWN BY: BD	CHECKED BY: JHH
LOCATION: IMPERIAL BEACH, CA	SCALE: VARIES	
	DATE: 07.25.2007	
	JOB NUMBER	SHEET
DESCRIPTION: OFFICE PLAN AND ELEVATIONS	25-102631	C2

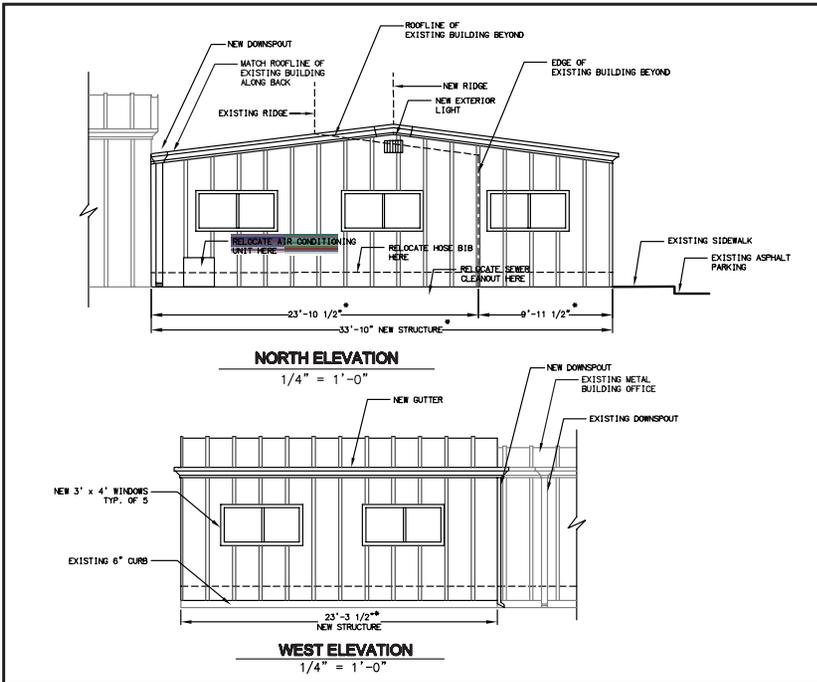
**RBF** CONSULTING  
 PLANNING ■ DESIGN ■ CONSTRUCTION  
 9755 CLAIREMONT MESA BOULEVARD, SUITE 100  
 SAN DIEGO, CALIFORNIA 92124-1284  
 858.614.8000 • FAX 858.614.5001 • www.RBF.com



Existing building façade.



Existing building façade.

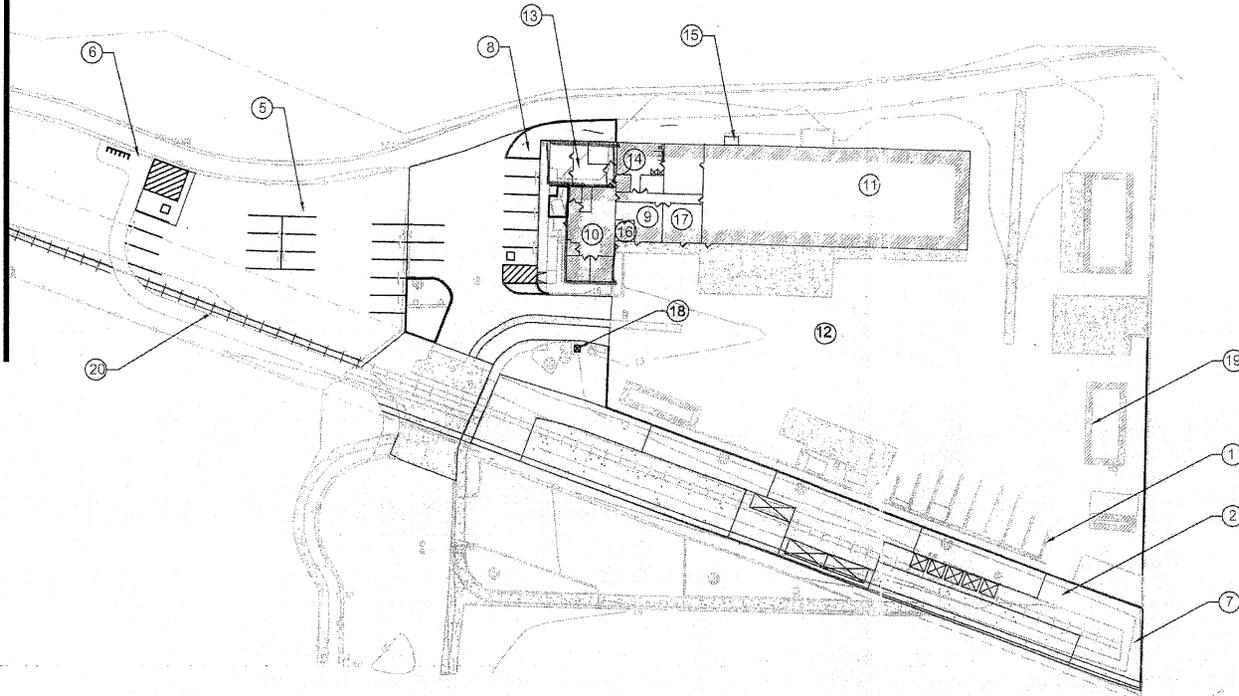


Proposed elevations.



Proposed building façade to match existing building façade in both materials and color. The proposed building addition will exhibit a metal façade and will be painted an ivory shade to match the existing adjacent office building.

MATCH LINE - SEE BELOW



### LEGEND:

- ✓ ① EXPANSION OF MATERIALS BINS SEE SHEET C-5
- ✓ ② CONSTRUCTION OF NEW LOADING RAMP  
(COVER EXISTING RAIL LINES) SEE SHEET C-6  
RAILS TO BE COVERED WITH GEO SYNTHETIC MATERIAL  
PRIOR TO CONSTRUCTION
- ✓ ③ REMOVAL OF EXISTING LOADING RAMPS SEE SHEET C-2
- ✓ ④ NEW ENTRY DRIVE SEE SHEET C-3
- ✓ ⑤ NEW PARKING AREA SEE SHEET C-3
- ✓ ⑥ NEW ACCESS TO BIKE PATH SEE SHEET C-3
- ✓ ⑦ NEW PERIMETER FENCING SEE SHEET C-6
- ✓ ⑧ NEW LANDSCAPING AND IRRIGATION SYSTEM SEE SHEET C-4
- ⑨ NEW EXTERIOR AND INTERIOR PAINTING SEE SHEET C-10
- ⑩ NEW ENERGY-EFFICIENT INTERIOR LIGHTING SEE SHEET C-7
- ⑪ MISCELLANEOUS ROOF REPAIRS/  
REPLACEMENT WITH NEW GUTTERS SEE SHEET C-10
- ⑫ UNDERGROUND LOCATOR SERVICE
- ⑬ OFFICE EXPANSION (APPROX. 800 SF) SEE SHEET C-8
- ⑭ RENOVATE EXISTING MEN'S LOCKER ROOM SEE SHEET C-8
- ✓ ⑮ OIL CONTAINMENT ENCLOSURE SEE SHEET C-8
- ⑯ SUPERVISOR'S OFFICE AREA PARTITION SEE SHEET C-8
- ⑰ REPLACE SUSPENDED CEILING TILES SEE SHEET C-7
- ⑱ REPLACE EXISTING ELECTRICAL PEDESTAL SEE SHEET C-3
- ✓ ⑲ NEW ROLL-UP DOORS SEE SHEET C-10
- ✓ ⑳ EXISTING RAILS TO BE EXPOSED AT-GRADE

REMOVE: 9, 10, 11, 12  
 14, 16, 17, 18

**RECEIVED**  
 AUG 3 2009

IF SHEET IS LESS THAN  
24" X 36" IT IS A  
REDUCED PRINT-SCALE  
REDUCED ACCORDINGLY

0 15' 30' 60' 90'  
SCALE: 1" = 30'

MATCH LINE - SEE ABOVE

SITE PLAN

**HIRSCH & COMPANY**  
CONSULTING ENGINEERS

SHEET C-1

**CITY OF IMPERIAL BEACH**  
**IMPROVEMENTS TO PUBLIC WORKS**  
**YARD AND OFFICES**

SITE CONCEPT

DATE: 5/1/06

SCALE: 1" = 30'

HCO JOB NO. 05-110