


County of San Mateo RFP Maple St Correctional Center Photovoltaic System

ADDENDUM TO REQUEST FOR PROPOSALS – Maple St Correctional Center Photovoltaic System

	ADDENDUM No. 05
	San Mateo County 555 Government Center, Fifth Floor Redwood City, CA 94063
	RFP: Maple St Correctional Center Photovoltaic System
	Date: February 15, 2023

INTENT:

This Addendum is issued by the County of San Mateo to add a modification to the Request for Proposals (RFP) for Maple St Correctional Center Photovoltaic System. Proposers shall ascertain prior to submitting its Proposal that it has received all addenda issued. Please clearly note the addendum date and number on your proposal.

In the event of a conflict between the terms and provisions of this Addendum and the terms and provisions of the Maple St Correctional Center Photovoltaic System, the terms and provisions of this Addendum shall control. In all other respects, the RFP for Maple St Correctional Center Photovoltaic System shall remain unchanged and in full force and effect.

- 1. Correction – Change Bids Due date to 27th of February at 2.30pm**
- 2. Answers to Questions – Refer attachment to view questions to answers by Architect**

Initial and Date: SY 02/15/2023



300 8th Avenue
 Suite 202 San Mateo
 California 94401
 www.bartosarchitecture.com

ADDENDUM 05

TO	All Plan Holders	ISSUE DATE	15 February 2023
		PROJECT #	21-001
REGARDING	Correctional Facility Solar Shade Structure	NARRATIVE PAGES	2
		SPECIFICATION PAGES	-
DISTRICT	San Mateo County	DRAWING SHEETS	4
		REFERENCE SHEETS	14
		TOTAL PAGES	20

The information contained herein is issued as an Addendum to the Bid Documents for the Project listed above. All information included herein shall become a part of the Bid Documents for that Project. All bidders are required to acknowledge this Addendum on their Proposal Documents. Failure to acknowledge receipt of this Addendum shall deem the Proposal unresponsive and the proposal shall be disqualified.

Project Scope

Note the following clarifications:

Is it acceptable to bore from array to new switchboard, and eliminate pull box?

- Yes. In this case, Contractor pull box shall be kept in bid. Location may be modified or eliminated based on bidder's proposed trench routing during construction. Do not assume it can be removed.

Electrical / Solar Scope

E3.2 , E4.3

Panel clarifications

- The X21-470-COM solar panels are the basis of design for the project. Approved equivalent products will be considered. Contractor will be responsible for resizing strings and provide string calculations to confirm quantity of panels per string. System size and footprint should be equivalent to the Sun Power system.
- Sun Power X21-470-COM panels are 470 Watts. Disregard reference to other wattages.

Racking system color

- Racking equipment shall be aluminum to prevent dissimilar metal contact between racking equipment and solar panel aluminum frames.

Canopy lighting

- See attached addendum drawings E- 2.1, 2.2, 2.3 for canopy lighting

Drawings

- See updated drawing E1.3 with corrected scale.

Structural Scope

S0.1, S5.1

Racking System

- Refer sheet S0.1 : "Delegated Design Elements", the specific design is to be engineered by others (Contractor) including the appropriate material and system to be incorporated."
- Racking system is by contractor. Struts are diagrammatic. Racking must be compatible with panels.
- Submit shop drawings, structural calculations stamped by California Professional Engineer for submittal to Architect/Engineer/Building department for review and approval prior to construction.

Structural Scope (Continued)

S3.1

Canopy tilt/ slope

- Refer to uploaded civil reference drawings.
- Canopy as indicated has a 3-degree slope from the low point (highway 101 side) to the high point (facility side). This is also approximately a 5/8" vertical in 12" horizontal slope. The slope of the parking lot is downwards from the drive aisles towards drainage at the center of the canopy area.
- Minimum Clearance in all cases must be 15'-0"
- Contractor shall provide in situ site section, verified in field, indicating actual site grade elevations as an integral component of shop drawings.
- Top of all piers as indicated is consistent. Height of columns to vary as needed to accommodate consistent pier heights.

Civil Scope

C-2.0

Scope of fog seal ("black out") in parking lot

- The hatched area shown on C-2.0 receives fog seal and restriping. See also, callout "Fog seal area prior to final restriping".

C-2.0

Water retention system in middle of parking spaces.

- No work is being done to the existing parking island/bio-retention area that runs along center/below new solar structure. Protect in place. See callout "(E) curb and curb cuts to remain - typ." on C-2.0.

Specifications Clarifications

00 11 16

Notice to Bidders

Contract time clarification

Replace all other schedule items with the following

- Total contract time is **360 days**.
- Phase 01 substantial completion: 180 days. All components except for transformer and final commissioning:
 - Liquidated damages at 50% of total if this phase is late.
- Phase 02 substantial completion: 180 days for a total 360 days: Transformer and final commissioning
 - Liquidated damages at 100% per day if this phase is late.

00 21 13

Instruction to Bidders

Schedule Clarifications

- Last Day for Questions: Wednesday, February 8th. Refer to Addendum 02 for updated bid calendar.
- Bids Due: **Wednesday, February 27th at 2:30pm**. Refer to Addendum 02 with correction above.
- Bid opening: **Monday, February 27th. At 2:30 pm**. Refer to Addendum 02 for updated bid calendar.

Acknowledgement

PLEASE ENSURE THAT THIS ADDENDUM IS ACKNOWLEDGED ON YOUR BID


ISSUED BY **END OF ADDENDUM ITEMS**
Mojgan Aghamir
ma@bartosarchitecture.com



American Consulting Engineers

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JOB # E19154.00 Fax: 408/236-2316

San Mateo County Sheriff's Office
400 County Center
Redwood City, CA



Maple Street
Correctional Facility
1300 Maple St
Redwood City, CA 94063

Solar Shade Structure

REVISION DATE

GENERAL NOTES:

- CONTRACTOR SHALL COORDINATE UNDERGROUND REQUIREMENTS WITH ALL OTHER TRADES TO AVOID CONFLICTS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ANY SAW CUTTING AND REMOVAL OF EXISTING SURFACES TO FACILITATE UNDERGROUND SYSTEMS. THE CONTRACTOR SHALL PATCH AND REPAIR ALL DAMAGED AND CUT SURFACES TO MATCH ADJACENT.
- CONTRACTOR TO SITE SURVEY EXISTING CONDITIONS AND LOCATIONS OF EXISTING UNDERGROUND SYSTEMS, WHERE NEW TRENCH WORK OCCURS PRIOR TO BIDDING. CONTRACTOR SHALL TAKE PROPER PRECAUTIONS TO ENSURE EXISTING UNDERGROUND SYSTEMS/CONDUIT/PIPES ARE NOT DAMAGED DURING INSTALLATION. CONTRACTOR IS RESPONSIBLE FOR ANY REPAIRS REQUIRED IN THE EVENT THE EXISTING UNDERGROUND SYSTEMS ARE DAMAGED AS A RESULT OF THE NEW ELECTRICAL TRENCH WORK.
- CONTRACTOR SHALL COORDINATE RECOMMENDED ELECTRICAL MILESTONE PLANS WITH THE ARCHITECTURAL MILESTONE PLANS TO ENSURE APPROPRIATE WORK IS COMPLETED DURING EACH MILESTONE.

4-10-6	4-6-3	4-6-2	4-1-4	4-1-3	3-7-5	3-7-4	3-3-1	3-2-10	2-8-7	2-8-6	2-4-3	2-4-2	1-4-4	1-4-3	1-5-3	1-5-4	1-1-1
4-10-5	4-6-4	4-6-1	4-1-10	4-1-7	3-7-6	3-7-3	3-3-2	3-2-4	2-8-8	2-8-5	2-4-4	2-4-1	1-4-10	1-4-7	1-5-6	1-5-3	1-1-2
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1 PV PANEL LAYOUT
E1.3 SCALE: 1/8" = 1'-0"



SHEET NOTES:

① EXISTING LIGHT POLE TO BE REMOVED. PROVIDE NEW PULLBOX IN PLACE FOR RECONNECTING ANY DOWNSTREAM LIGHT POLES AS REQUIRED. SEE NEW LIGHTING SITE PLAN FOR ADDITIONAL REQUIREMENTS.

CONDUIT SCHEDULE:

◇ (E) UNDERGROUND CONDUIT WITH CABLES

BARTOS ARCHITECTURE

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Solar Shade Structure

REVISION DATE

1 ELECTRICAL LIGHTING SITE PLAN

E2.1 SCALE: 1" = 20'-0"

ELECTRICAL LIGHTING SITE PLAN
E2.1

BA 21-001



SHEET NOTES:

1 NEW ELECTRICAL PULLBOX. CONTRACTOR IS RESPONSIBLE FOR RECONNECTING DOWNSTREAM LIGHT POLES AS REQUIRED. EXTEND AND MODIFY EXISTING UNDERGROUND LIGHTING CONDUIT AND CONDUCTORS AS NEEDED.

CONDUIT SCHEDULE:

(E) UNDERGROUND CONDUIT WITH CABLES

PULLBOX SCHEDULE:

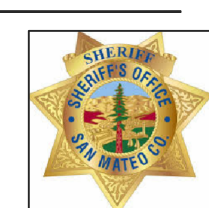
LI - BLOTT LIGHTING PULLBOX WITH TRAFFIC RATED LID, LABEL LID LIGHTING.



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Maple Street Correctional Facility
1300 Maple St
Redwood City, CA 94063

Solar Shade Structure

REVISION DATE

1 **NEW LIGHTING SITE PLAN**
E2.2 SCALE: 1" = 20'-0"


NEW LIGHTING SITE PLAN
E2.2



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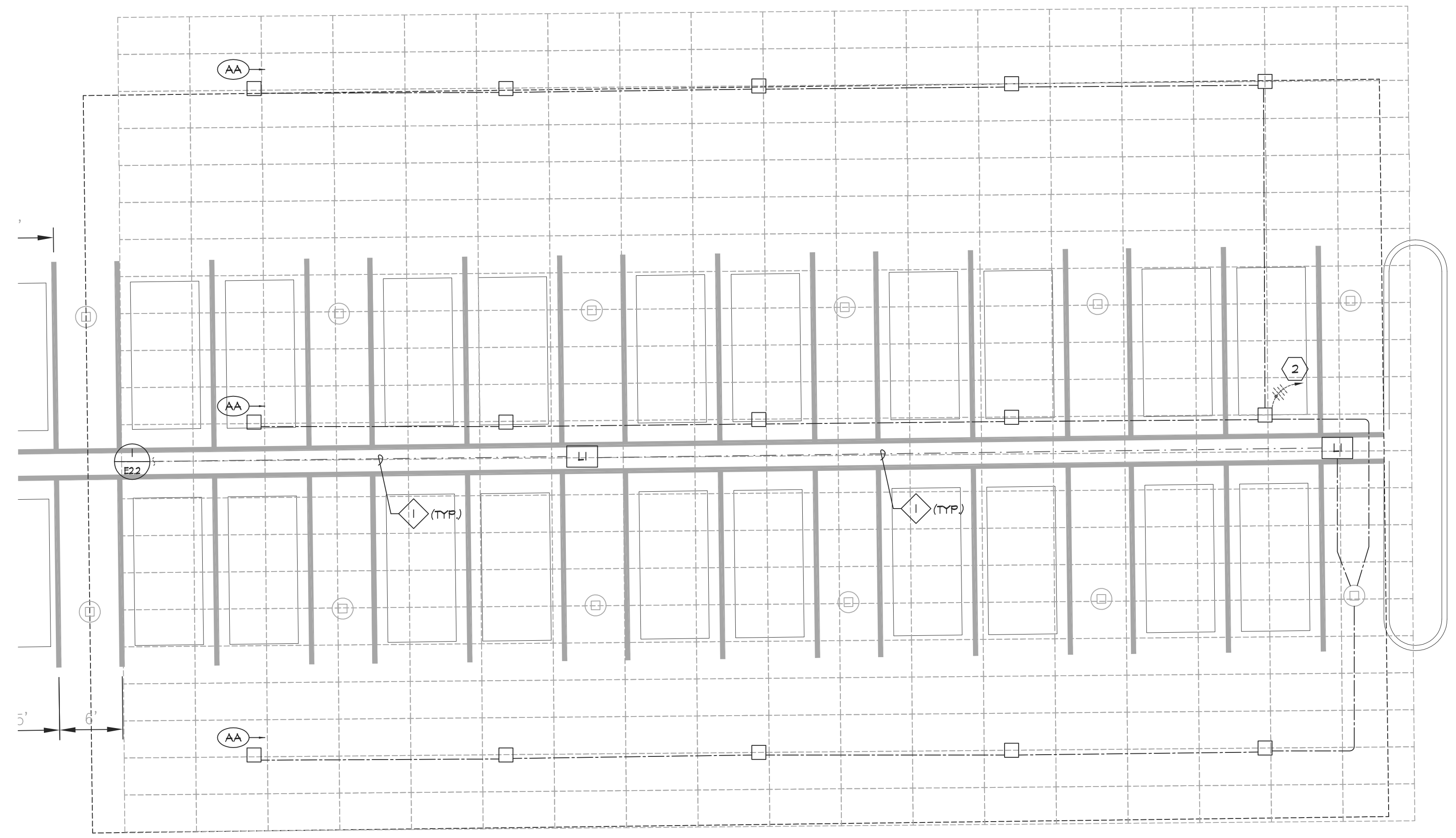
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Solar Shade Structure

REVISION DATE



SHEET NOTES:

- 1 NEW ELECTRICAL PULLBOX. CONTRACTOR IS RESPONSIBLE FOR RECONNECTING DOWNSTREAM LIGHT POLES AS REQUIRED. EXTEND AND MODIFY EXISTING UNDERGROUND LIGHTING CONDUIT AND CONDUCTORS AS NEEDED.
- 2 CONNECT NEW CANOPY FIXTURE TO THE EXISTING 277V LIGHTING CIRCUITRY SERVING IN THIS AREA AS REQUIRED.

CONDUIT SCHEDULE:

- 1 (E) UNDERGROUND CONDUIT WITH CABLES

PULLBOX SCHEDULE:

- LI - 6101T LIGHTING PULLBOX WITH TRAFFIC RATED LID. LABEL LID 'LIGHTING'.

1 ENLARGED LIGHTING SITE PLAN
E2.3 SCALE: 1/8" = 1'-0"

FIXTURE SCHEDULE						
TYPE	LAMPS	LAMP QUANTITY	BALLAST/DRIVER	MOUNTING	DESCRIPTION	WEIGHT
AA	L.E.D. 30W	N/A	0-10V DIMMING DRIVER	SURFACE MOUNTED IN CANOPY WALKWAY	<p>ALL FIXTURE TYPES FOLLOWED BY AN "E" AND HALF SHADED ON THE FLOOR PLANS ARE EMERGENCY FIXTURES. FIXTURES SHALL BE CONNECTED TO THE LIGHTING INVERTER WITH A MINIMUM OF 90 MINUTES. EMERGENCY FIXTURES SHALL WIRED FOR SWITCHING CAPABILITIES AND SHALL BE SWITCHED PER THE FLOOR PLAN. EXIT SIGNS SHALL BE CONNECTED TO THE EMERGENCY LIGHTING CIRCUIT.</p> <p>SLENDERFORM SFC/SFCR GARAGE AND CANOPY LUMINAIRE FEATURES HIGH OUTPUT LEDS AND A SLEEK, YET POWERFUL, LOW PROFILE DESIGN. THE THIN 3" PROFILE COMBINED WITH LED HIGH PERFORMANCE, RIGGED EXTRUDED ALUMINUM HOUSING BODY WITH AN INTEGRAL LED THERMAL MANAGEMENT SYSTEM, WITH DIE CAST ALUMINUM END CAPS.</p> <p>GARDCO - SFC-SR-48L-250-NM-62-2TT-MGY OR APPROVED EQUAL</p>	21 LBS
					277 VOLT	



Prepared For
SAN MATEO COUNTY

400 County Center
Redwood City, CA 94063

Contract No: 071923

Project
**MAPLE STREET
CORRECTIONAL CENTER**

1300 Maple St
Redwood City, CA 94063



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CONSTRUCTION MANAGER:



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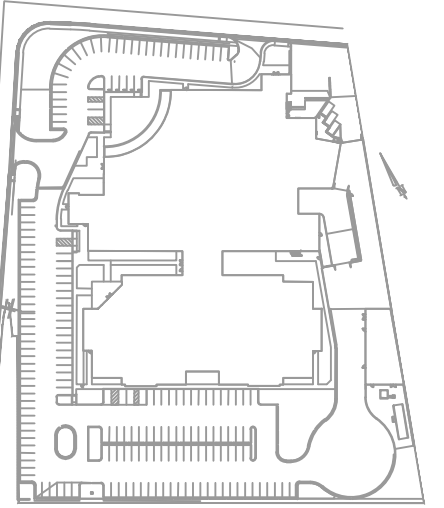
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855 Folsom St Unit 142
San Francisco, CA 94107

SOHA ENGINEERS
STRUCTURAL ENGINEERS
48 Colin P. Kelly Jr Street
San Francisco, CA 94107

Key Plan



**REDWOOD CITY
FIRE DEPARTMENT APPROVED**

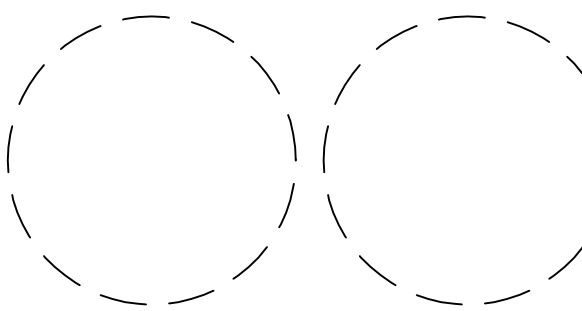
Approval of this plan does not authorize or
approve any omission or deviation from
applicable regulations. Final approval is
subject to field inspection. One set of
approved plans shall be available on the
project site at all times.

Reviewed by

CSFM File #: 40-41-44-0001

BSCC File #: 081-4925.01 & 081-4927.01

Professional Seals



No.	Issue Description	YYYY-MM-DD
01	SITE UTILITY PERMIT PACKAGE	2013-08-12
02	BID PACKAGE #5	2013-06-12
03	SITE UTILITIES PERMIT RESPONSE	2013-07-24
04	SITE WORK & BUILDING PERMIT	2013-08-16
05	80% CONSTRUCTION DOCUMENTS	2013-08-21
06	SITE UTILITIES PERMIT RESPONSE #2	2013-09-20
07	SITE UTILITY PERMIT RESPONSE #3	2013-10-08
08	SITE UTILITIES COORDINATION	2013-11-18
09	CD PERMIT & BID PACKAGE	2014-02-06
10	BID PACKAGE #6 - ADDENDUM #2	2014-04-02
11	SAC PERMIT WORK CHECK RESP	2014-05-07

Drawn by

Reviewed by

Project No: 12.04009.00

Sheet Title

**EXISTING ON-SITE
CONDITIONS
"Reference Only"**

Original drawing is 42 x 30 Do not scale contents of this drawing

Sheet Number

C-101

SHEET NOTES

1. SEE SURVEY NOTE 1 ON C-001.

EXISTING

DESCRIPTION	EXISTING
BURIED PILES	•
SURVEY MONUMENT	•
CONTROL POINT	•
FIRE HYDRANT	•
MANHOLE	•
AREA SPOT ELEVATION	+ 32.15
CATCH BASIN / DRAINAGE INLET	□
JOINT POLE	○
LIGHT POLE/JOINT POLE	○
SIGN POLE	○
QUI POLE	○
FENCE	—
PROPERTY LINE	—
EASEMENT LINE	—
MONUMENT LINE	—

REMARKS

AC	= ASPHALT CONCRETE
AD	= AREA DRAIN
ATT	= PACBELL / ATT / TELEPHONE
BM	= BENCHMARK
BOC	= BOTTOM OF CURB
BW	= BOTTOM WALL
CB	= CATCH BASIN
CONC	= CONCRETE
DI	= DRAINAGE INLET
DWY	= DRIVEWAY
E	= ELECTRIC
G	= GAS
GB	= GRADE BREAK
GR	= GRATE
GV	= GAS VALVE
FA	= FIRE ALARM POLE
FH	= FIRE HYDRANT
IRR	= IRRIGATION
LP	= LIGHT POLE
MB	= MAIL BOX
MH	= MANHOLE
MON	= MONUMENT
MP	= MUNI POLE
MW	= MONITORING WELL
NB	= NEWSPAPER BINS
PM	= PARKING METER
PGE	= PACIFIC GAS AND ELECTRIC
PLTR	= PLANTER
RCW	= RECLAIMED WATER
SDMH	= STORM DRAIN MANHOLE
SL	= STREET LIGHT POLE
SM	= SURVEY MONUMENT
SLB	= STREET LIGHT PULL BOX
SS	= STOP SIGN / STREET SIGN
SSMH	= SANITARY SEWER MANHOLE
SSV	= SIDE SEWER VENT
SW	= SIDEWALK
TC	= TRAFFIC CONTROLLER
TOC	= TOP OF CURB
TR	= TRASH RECEPTACLE
TS	= TRAFFIC SIGNAL POLE
TSB	= TRAFFIC SIGNAL BOX
TV	= COMCAST / TV / CABLE PULL BOX
TW	= TOP OF WALL
VL	= VAULT
W	= WATER
WD	= WATER DEPARTMENT PULL BOX / VALVE / METER
WP	= WOODEN POLE
WV	= WATER VALVE

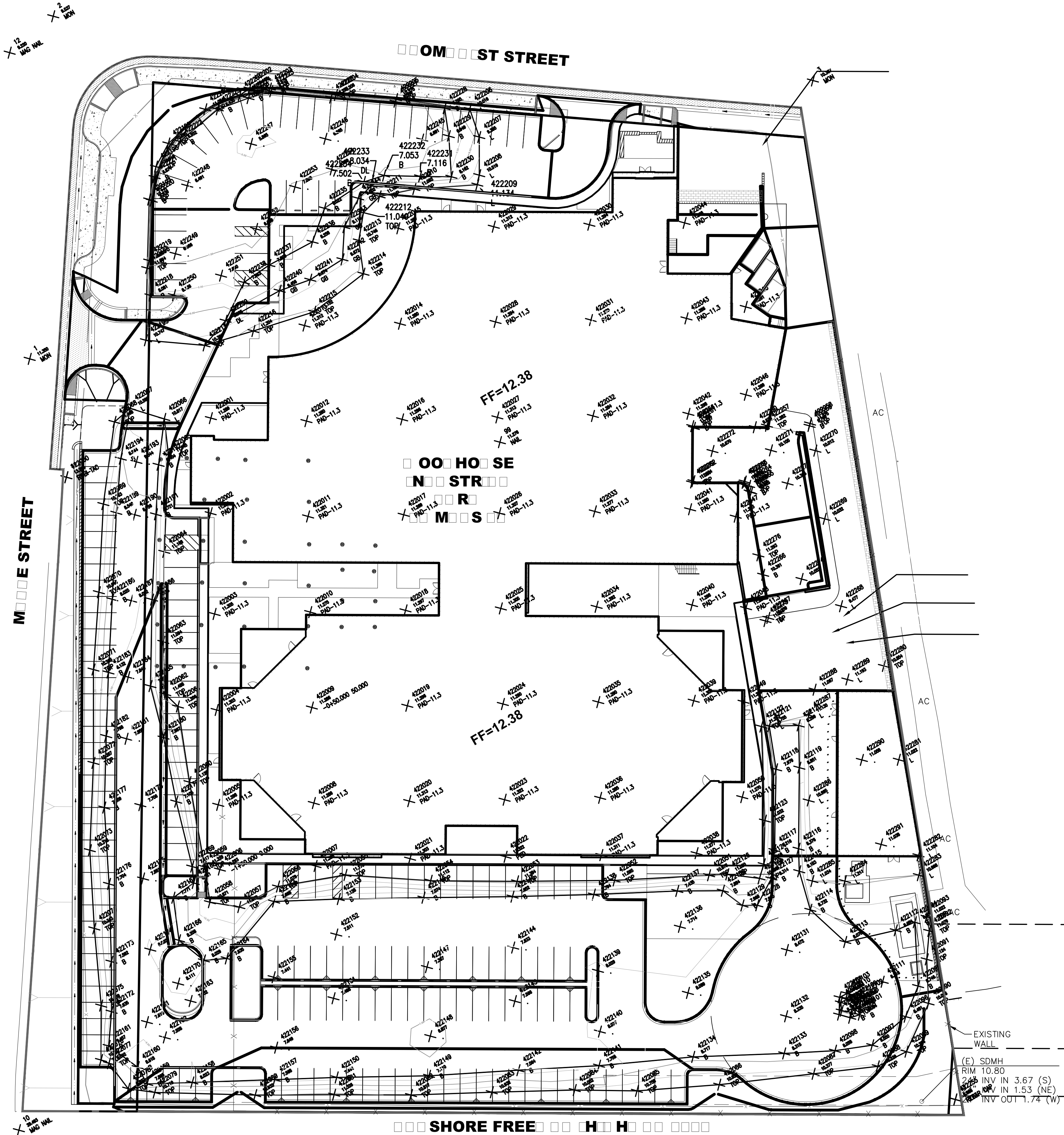
ENER NOTES

- PROPERTY LINES ARE BASED ON EXISTING RECORD DRAWINGS.
- DATE OF SURVEY: FEBRUARY 6, 2013.
- SURVEY PARTY CHIEF: BRYCE SHEPARD

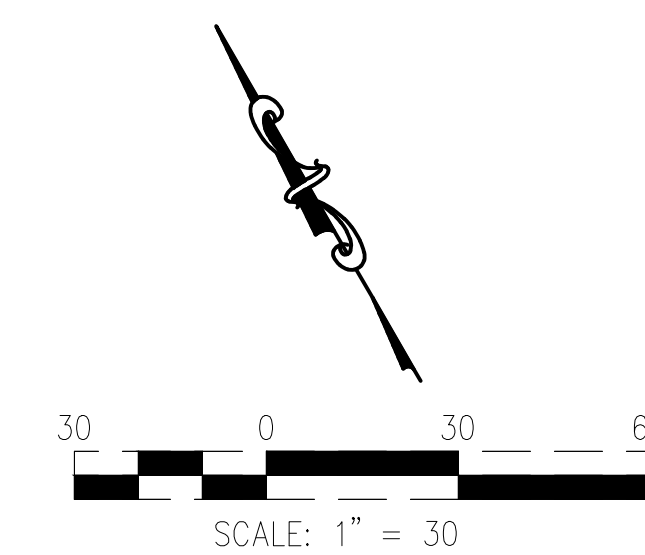
ENCHMNT

BM-62
MAPLE STREET AT CHEMICAL WAY - SET BRASS DISC STAMPED "CITY OF REDWOOD CITY BENCHMARK" ON HEADWALL OF CULVERT IN FRONT OF REDWOOD CITY POLICE DEPARTMENT, NORTH SIDE OF CULVERT, 11' FROM FIRE HYDRANT.

ELEVATION = 10.82 FEET
DATUM = NAVD88



REFERENCE



FOR REFERENCE ONLY



Prepared For
SAN MATEO COUNTY

400 County Center
Redwood City, CA 94063

Contract No: 071923

Project
**MAPLE STREET
CORRECTIONAL CENTER**

1300 Maple St
Redwood City, CA 94063



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CONSTRUCTION MANAGER:

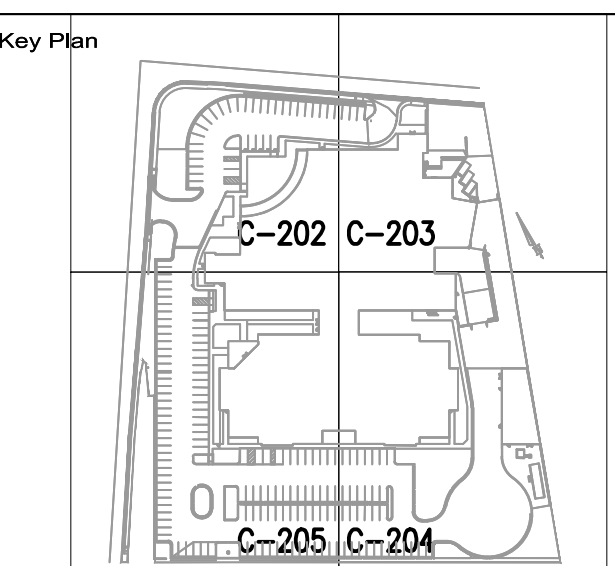


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San Francisco, CA 94107



REDWOOD CITY
FIRE DEPARTMENT APPROVED

Approval of this plan does not authorize or
approve any omission or deviation from
applicable regulations. Final approval is
subject to field inspection. One set of
approved plans shall be available on the
project site at all times.

Reviewed by
CSFM File #: 40-41-44-0001

BSCC File #: 081-4925.01 & 081-4927.01

Professional Seals



No.	Issue Description	YYYY-MM-DD
01	ADDITIONAL 2' FILL & ROUGH GRADING	2013-02-26
02	SITE WORK & BUILDING PERMIT	2013-08-16
03	BULLETIN 2 STRUCT COORDINATION	2013-08-20
04	CD PERMIT & BID PACKAGE	2014-02-06
05	BID PACKAGE #1	2014-03-14
06	SMC PERMIT V-PLAN CHECK RESP	2014-05-07
07	ASI 006	2014-06-04

Drawn by _____ Reviewed by _____

Project No: 12.04009.00

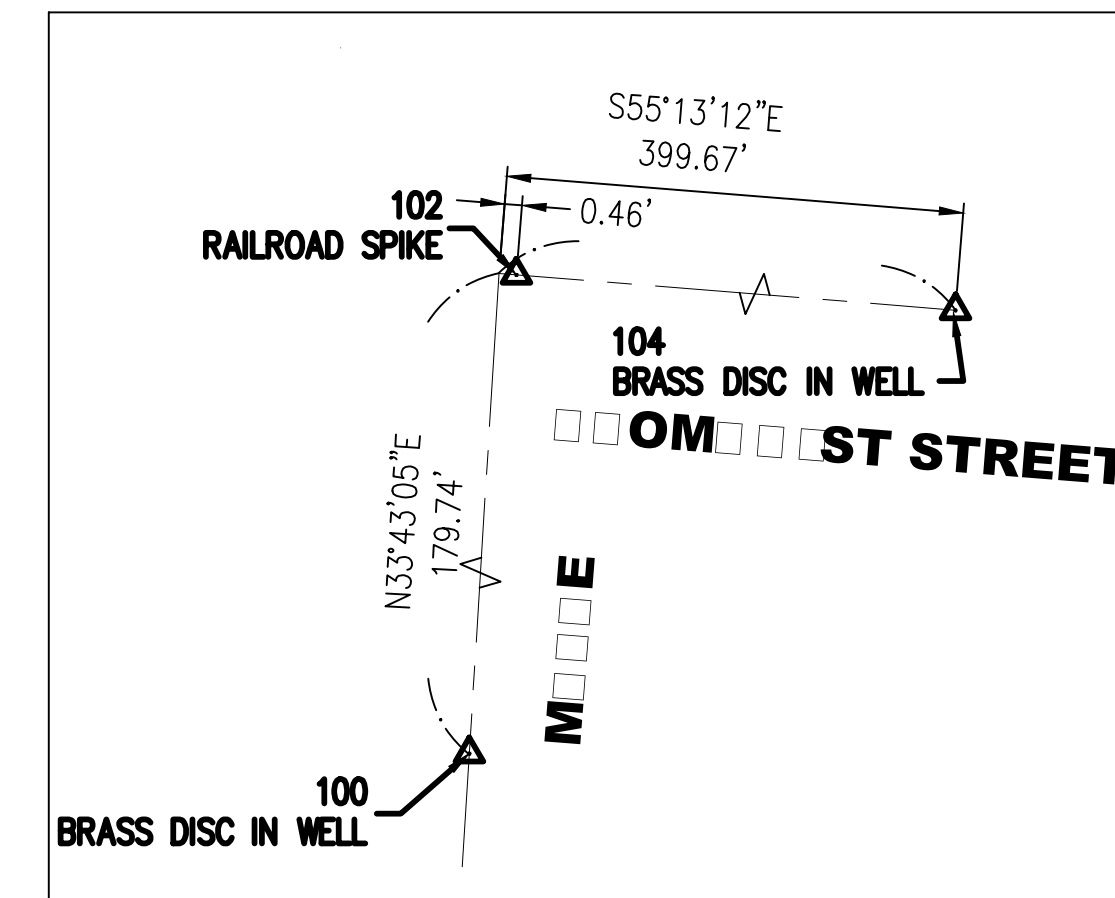
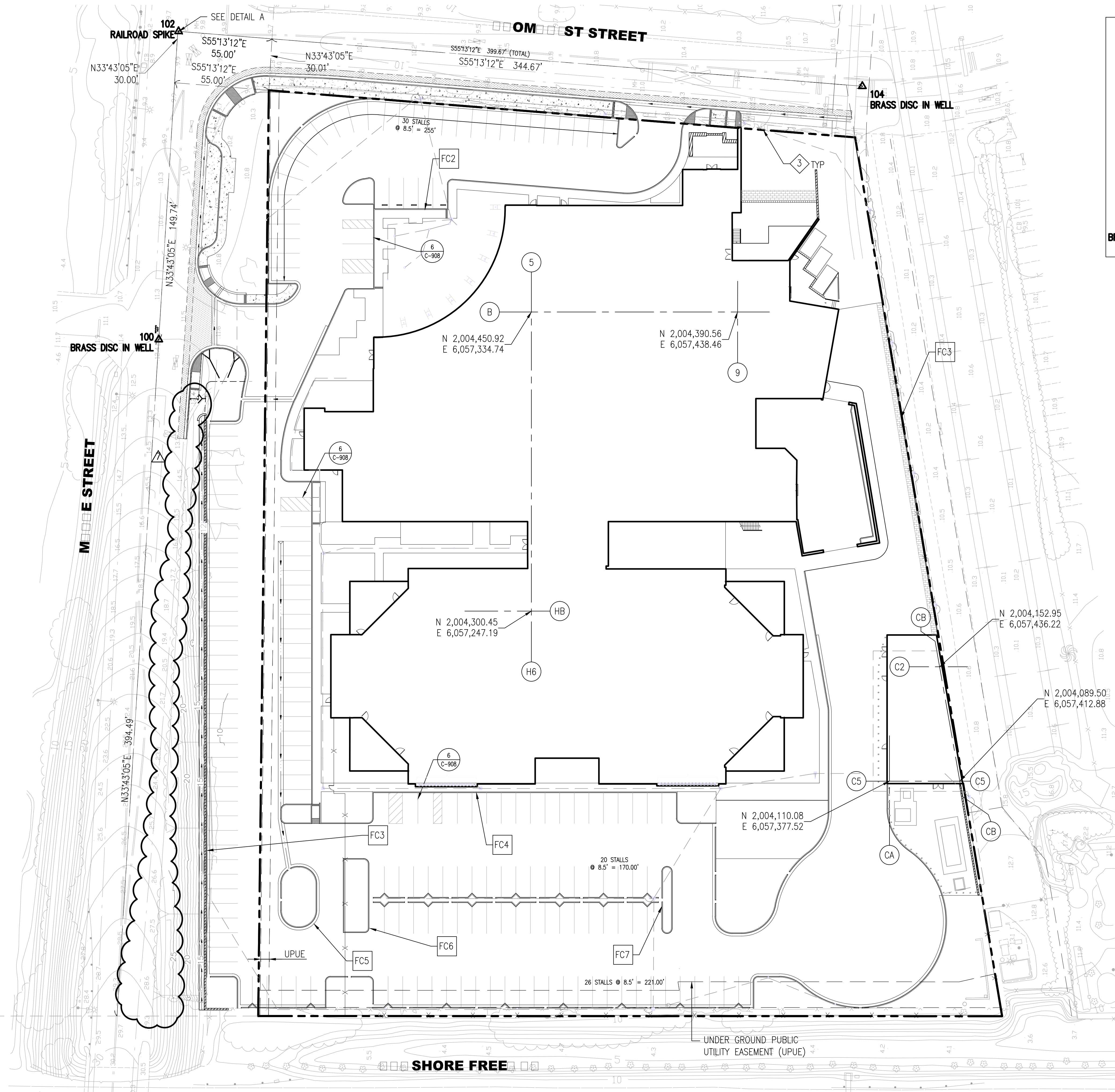
Sheet Title

**HORIZONTAL
CONTROL &
DIMENSION PLAN
(KEY PLAN)**

Original drawing is 42 x 30. Do not scale contents of this drawing.

Sheet Number

C-201



ET
SCIENTS

LEGEND & ABBREVIATIONS:

- △ CONTROL POINT
- 5 BLDG GRID IDENTIFICATION (REFER TO ARCHITECTURAL DRAWINGS)
- FC7 FACE OF CURB ALIGNMENT DESIGNATION
- CURB LINE
- BUILDING LINE

SHEET NOTES

- FOR ALL GENERAL NOTES, LEGEND & ABBREVIATIONS, SEE C-001 & C-002 RESPECTIVELY.
- PROPERTY LINES ARE BASED ON EXISTING RECORD DRAWINGS.
- ALL DIMENSIONS ARE TO FACE OF CURB, UNO.

CONTROL POINTS

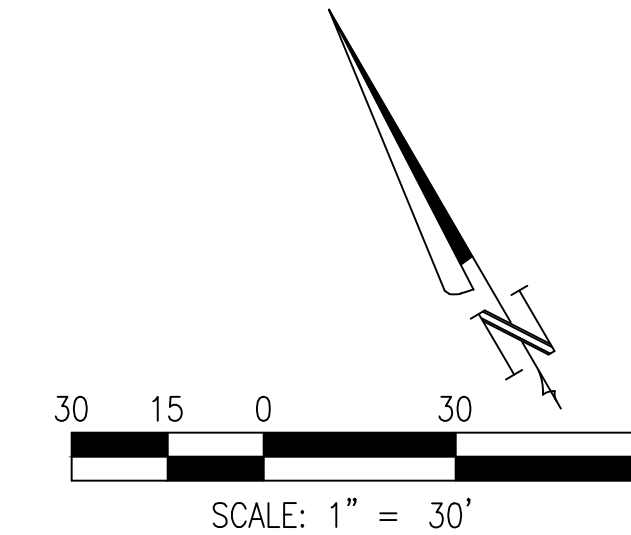
CONTROL POINT TABLE			
POINT #	DESCRIPTION	NORTHING	EASTING
100	BRASS DISC IN WELL	2,004,546.1080	6,057,139.2350
102	RAILROAD SPIKE	2,004,695.3542	6,057,239.3849
104	BRASS DISC IN WELL	2,004,467.6270	6,057,567.2765

BENCHMARK

BM-62
MAPLE STREET AT CHEMICAL WAY - SET BRASS DISC STAMPED "CITY OF REDWOOD CITY
BENCHMARK" ON HEADWALL OF CULVERT IN FRONT OF REDWOOD CITY POLICE
DEPARTMENT, NORTH SIDE OF CULVERT, 11' FROM FIRE HYDRANT.

ELEVATION = 10.82 FEET
DATUM = NAVD88

REFERENCE



FOR REFERENCE ONLY

4/7/2004 6:10:08 PM



Prepared For
SAN MATEO COUNTY

400 County Center
Redwood City, CA 94063

Contract No: 071923

Project
**MAPLE STREET
CORRECTIONAL CENTER**

1300 Maple St
Redwood City, CA 94063



h+k
One Bush St, Suite 200
San Francisco, CA 94104 USA
t +1 415 243 0555 f +1 415 882 7763

CONSTRUCTION MANAGER:



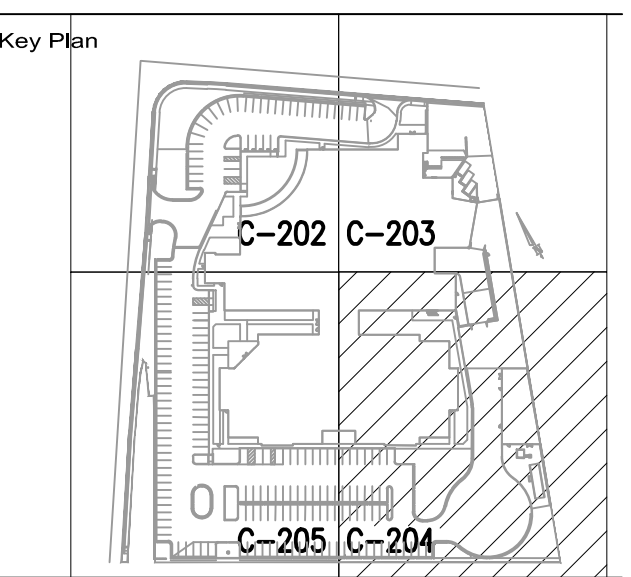
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Sacramento, CA 95833 USA
t +1 916 830 8000 f +1 916 830 8108

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48 Colin P. Kelly Jr Street
San Francisco, CA 94107

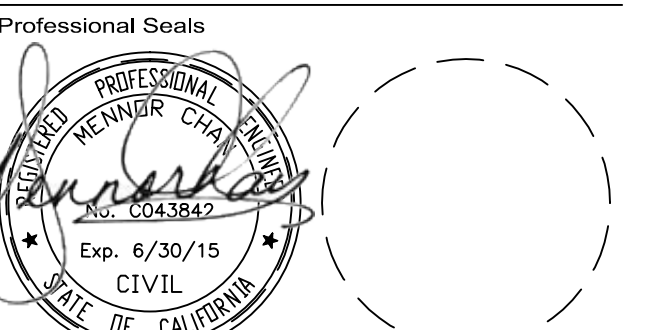


REDWOOD CITY
FIRE DEPARTMENT APPROVED

Approval of this plan does not authorize or
approve any omission or deviation from
applicable regulations. Final approval is
subject to field inspection. One set of
approved plans shall be available on the
project site at all times.

Reviewed by _____
CSFM File #: 40-41-44-0001

BSCC File #: 081-4925.01 & 081-4927.01



No.	Issue Description	YYYY-MM-DD
01	ADDENDUM 2, FILE & ROUGH GRADING	2013-02-26
02	SITE WORK & BUILDING PERMIT	2013-08-16
03	CD PERMIT & BID PACKAGE	2014-02-06
04	SMC PERMIT V-PLAN CHECK RESP	2014-05-07
05	ASB FOR	2014-05-04

Drawn by _____ Reviewed by _____

Project No: 12.04009.00

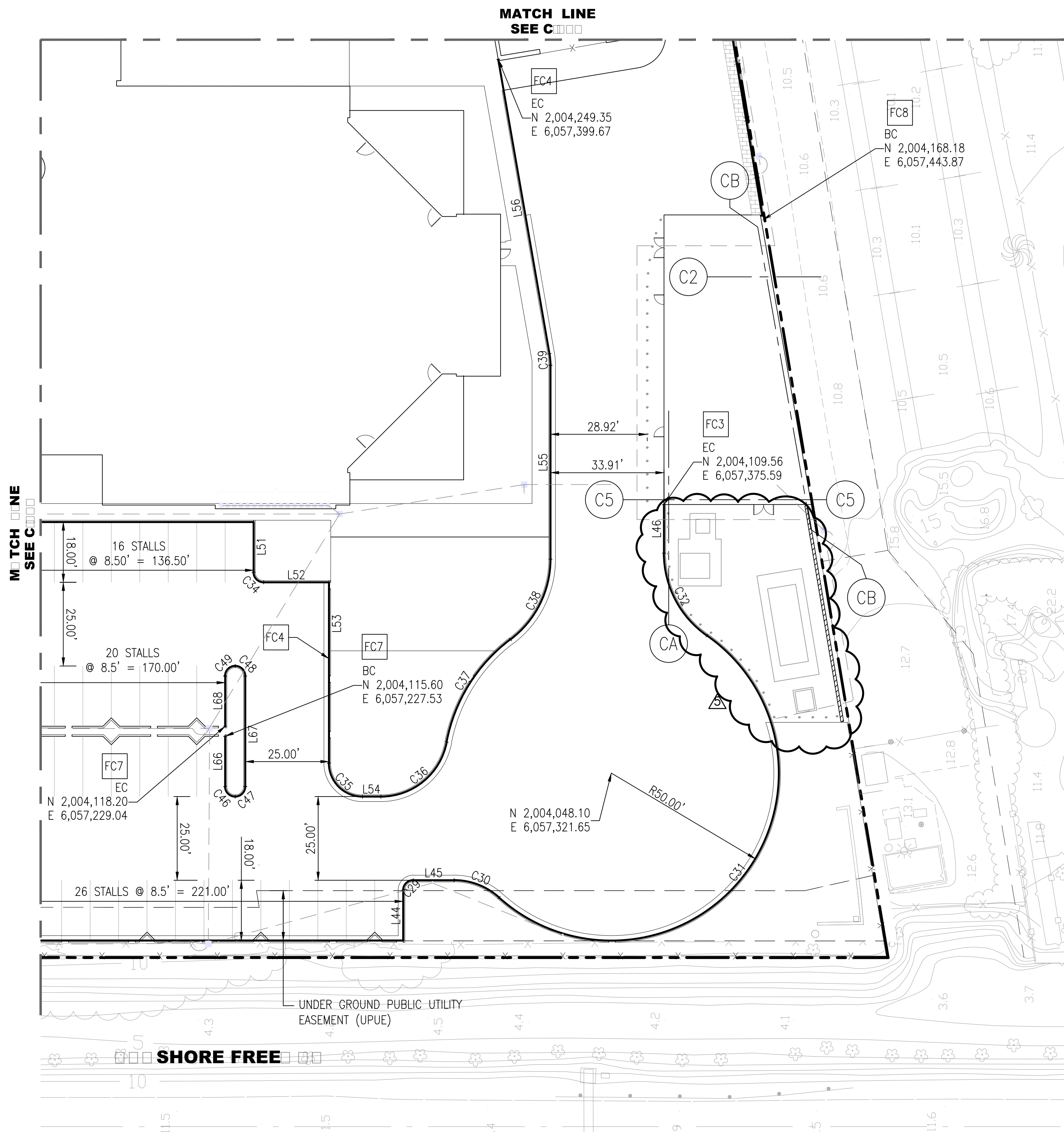
Sheet Title

**HORIZONTAL
CONTROL &
DIMENSION
PLAN (3 OF 4)**

Original drawing is 42 x 30. Do not scale contents of this drawing.

Sheet Number

C-204



LINE TABLE: FACE OF CURB

FC #	LINE #	LENGTH	DIRECTION
FC3	L44	15.00'	N30° 11' 38"E
	L45	12.23'	S59° 48' 22"E
	L46	14.54'	N30° 11' 38"E
FC4	L51	15.00'	S30° 11' 38"W
	L52	19.50'	S59° 48' 22"E
	L53	54.00'	S30° 11' 39"W
	L54	5.48'	S59° 48' 22"E
	L55	57.93'	N30° 11' 38"E
	L56	89.24'	N20° 19' 42"E
FC7	L66	15.00'	N30° 11' 38"E
	L67	33.00'	S30° 11' 38"W
	L68	15.00'	N30° 11' 38"E

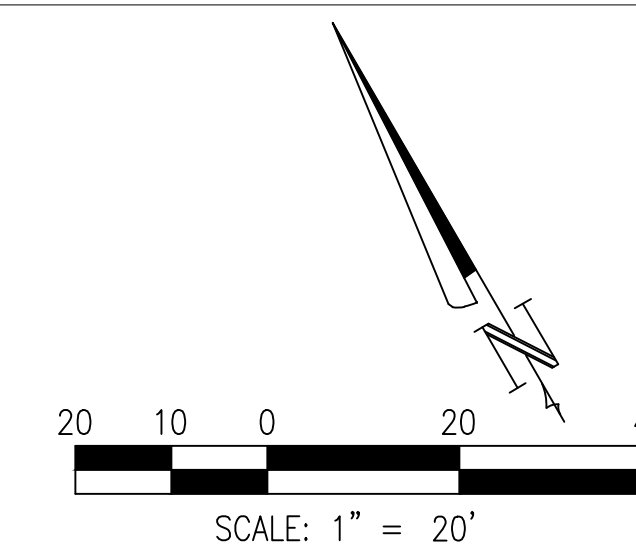
CURVE TABLE: FACE OF CURB

FC #	CURVE #	LENGTH	RADIUS	DELTA	TANGENT
FC3	C29	4.71'	3.0'	90°00'00"	3.00'
	C30	14.68'	20.0'	42°04'00"	7.69'
FC4	C31	163.52'	50.0'	187°14'21"	791.01'
	C32	28.89'	30.0'	55°10'21"	15.67'
	C34	4.71'	3.0'	90°00'00"	3.00'
	C35	15.71'	10.0'	90°00'01"	10.00'
	C36	27.68'	20.0'	79°17'53"	16.57'
	C37	36.92'	50.0'	42°16'29"	19.35'
FC7	C38	27.74'	30.0'	52°58'36"	14.95'
	C39	3.44'	20.0'	9°51'56"	1.73'
	C46	4.71'	3.0'	90°00'00"	3.00'
FC7	C47	4.71'	3.0'	90°00'00"	3.00'
	C48	4.71'	3.0'	90°00'00"	3.00'
	C49	4.71'	3.0'	90°00'00"	3.00'

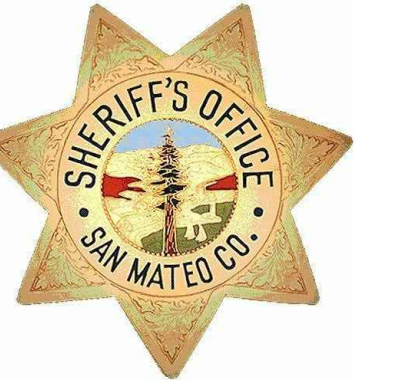
SHEET NOTES

- FOR ALL GENERAL NOTES, LEGEND & ABBREVIATIONS, SEE C-001 & C-002 RESPECTIVELY AND SHEET C-201.
- PROPERTY LINES ARE BASED ON EXISTING RECORD DRAWINGS.
- ALL DIMENSIONS ARE TO FACE OF CURB, UNO.

REFERENCE



FOR REFERENCE ONLY



Prepared For
SAN MATEO COUNTY

400 County Center
Redwood City, CA 94063

Contract No: 071923

Project
**MAPLE STREET
CORRECTIONAL CENTER**

1300 Maple St
Redwood City, CA 94063



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One Bush St, Suite 200
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t +1 415 243 0555 f +1 415 882 7763

CONSTRUCTION MANAGER:



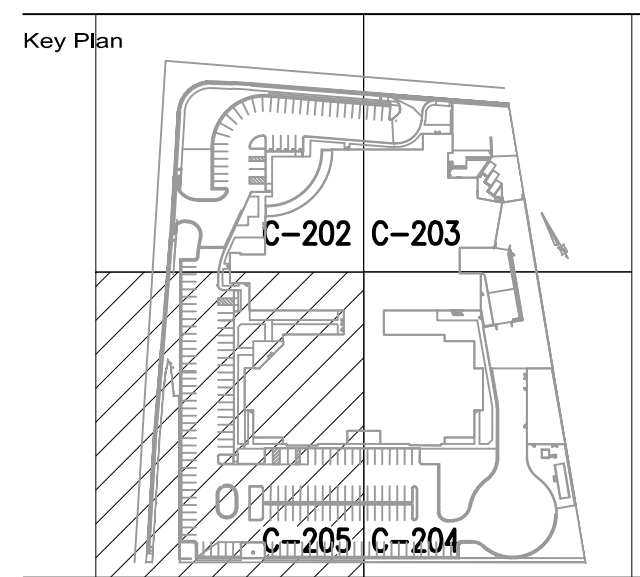
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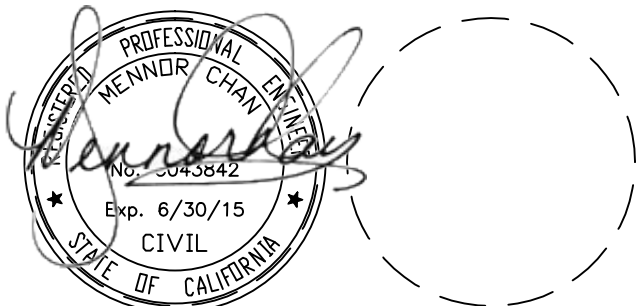
REDWOOD CITY
FIRE DEPARTMENT APPROVED

Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.

Reviewed by
CSFM File #: 40-41-44-0001

BSCC File #: 081-4925.01 & 081-4927.01

Professional Seals



No.	Issue Description	YYYY-MM-DD
01	ADDENDUM 2, PILE & RELIEF GRADING	2013-02-26
02	SITE WORK & BUILDING PERMIT	2013-08-16
03	BULLETIN 2 STRUCT COORDINATION	2013-08-20
04	CD PERMIT & BID PACKAGE	2014-02-06
05	SAC PERMIT WORK CHECK RESP	2014-05-07
06	ASH 006	2014-06-04

Drawn by _____ Reviewed by _____

Project No: 12.04009.00

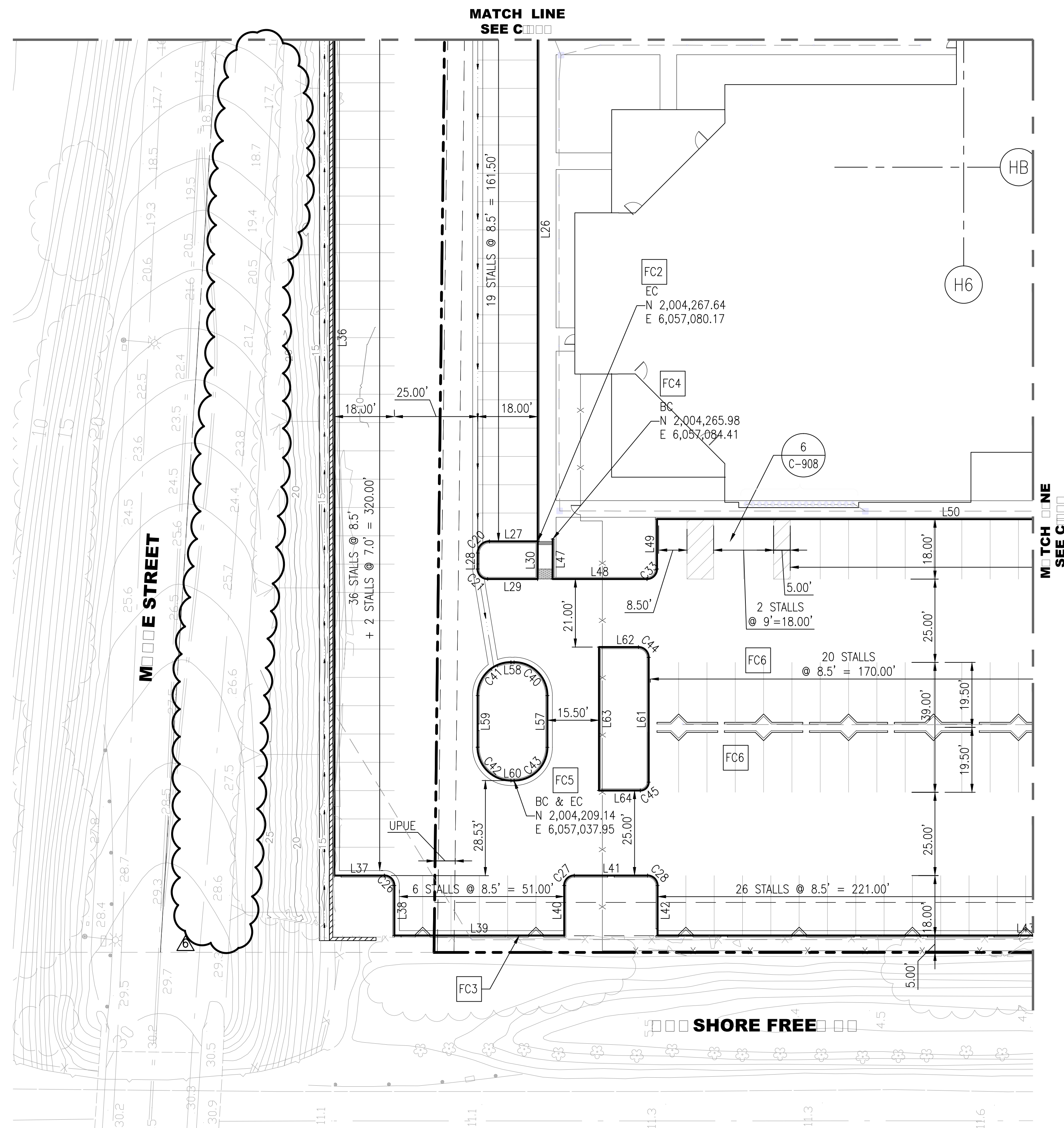
Sheet Title

**HORIZONTAL
CONTROL &
DIMENSION
PLAN (4 OF 4)**

Original drawing is 42 x 30. Do not scale contents of this drawing.

Sheet Number

C-205



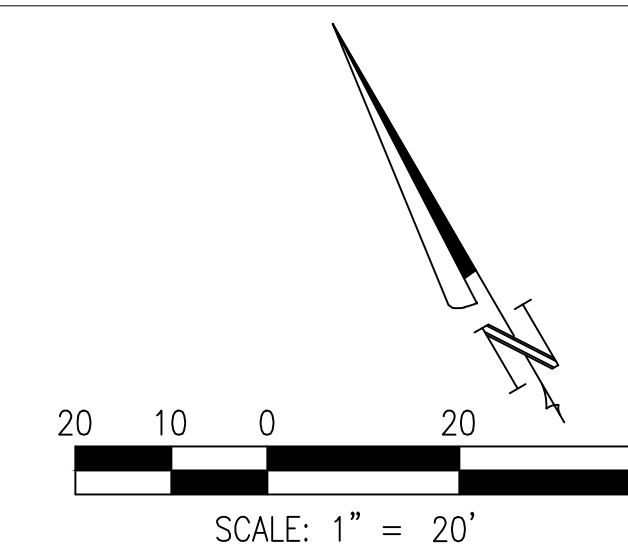
LINE TABLE: FACE OF CURB			
FC #	LINE #	LENGTH	DIRECTION
FC2	L26	187.50'	S30° 11' 39"W
	L27	14.50'	N59° 48' 22"W
	L28	4.80'	S30° 11' 39"W
	L29	15.00'	S59° 48' 22"E
FC3	L30	11.30'	N30° 11' 38"E
	L36	323.00'	S30° 11' 38"W
	L37	15.00'	S59° 48' 22"E
	L38	14.97'	S30° 10' 13"W
	L39	50.99'	S59° 48' 22"E
	L40	15.00'	N30° 11' 38"E
	L41	21.97'	S59° 48' 22"E
	L42	15.00'	S30° 11' 38"W
	L43	221.00'	S59° 48' 22"E
	L47	12.00'	S30° 11' 38"W
FC4	L48	28.33'	S59° 48' 22"E
	L49	15.00'	N30° 11' 38"E
	L50	176.50'	S59° 48' 22"E
	L57	15.51'	N30° 11' 38"E
FC5	L58	0.92'	N59° 48' 22"W
	L59	15.50'	S30° 11' 38"W
FC6	L60	0.92'	S59° 48' 22"E
	L61	37.47'	N30° 11' 38"E
	L62	11.82'	N59° 48' 21"W
	L63	43.05'	S30° 11' 39"W
	L64	12.41'	S59° 48' 22"E

CURVE TABLE: FACE OF CURB					
FC #	CURVE #	LENGTH	RADIUS	DELTA	TANGENT
FC2	C20	5.50'	3'	89°59'59"	3.50
	C21	4.71'	3'	89°59'58"	3.00
FC3	C26	4.71'	3'	90°00'00"	3.00
	C27	4.71'	3'	90°00'00"	3.00
FC4	C28	4.71'	3'	90°00'00"	3.00
	C33	4.71'	3'	89°59'55"	3.00
FC5	C40	15.69'	10'	89°55'29"	9.99
	C41	15.71'	10'	90°00'00"	10.00
	C42	15.71'	10'	90°00'00"	10.00
FC6	C43	15.71'	10'	90°00'00"	10.00
	C44	4.85'	3'	90°00'00"	3.09
	C45	3.93'	3'	89°59'18"	2.50

SHEET NOTES

- FOR ALL GENERAL NOTES, LEGEND & ABBREVIATIONS, SEE C-001 & C-002 RESPECTIVELY AND SHEET C-201.
- PROPERTY LINES ARE BASED ON EXISTING RECORD DRAWINGS.
- ALL DIMENSIONS ARE TO FACE OF CURB, UNO.

REFERENCE



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LEGEND:

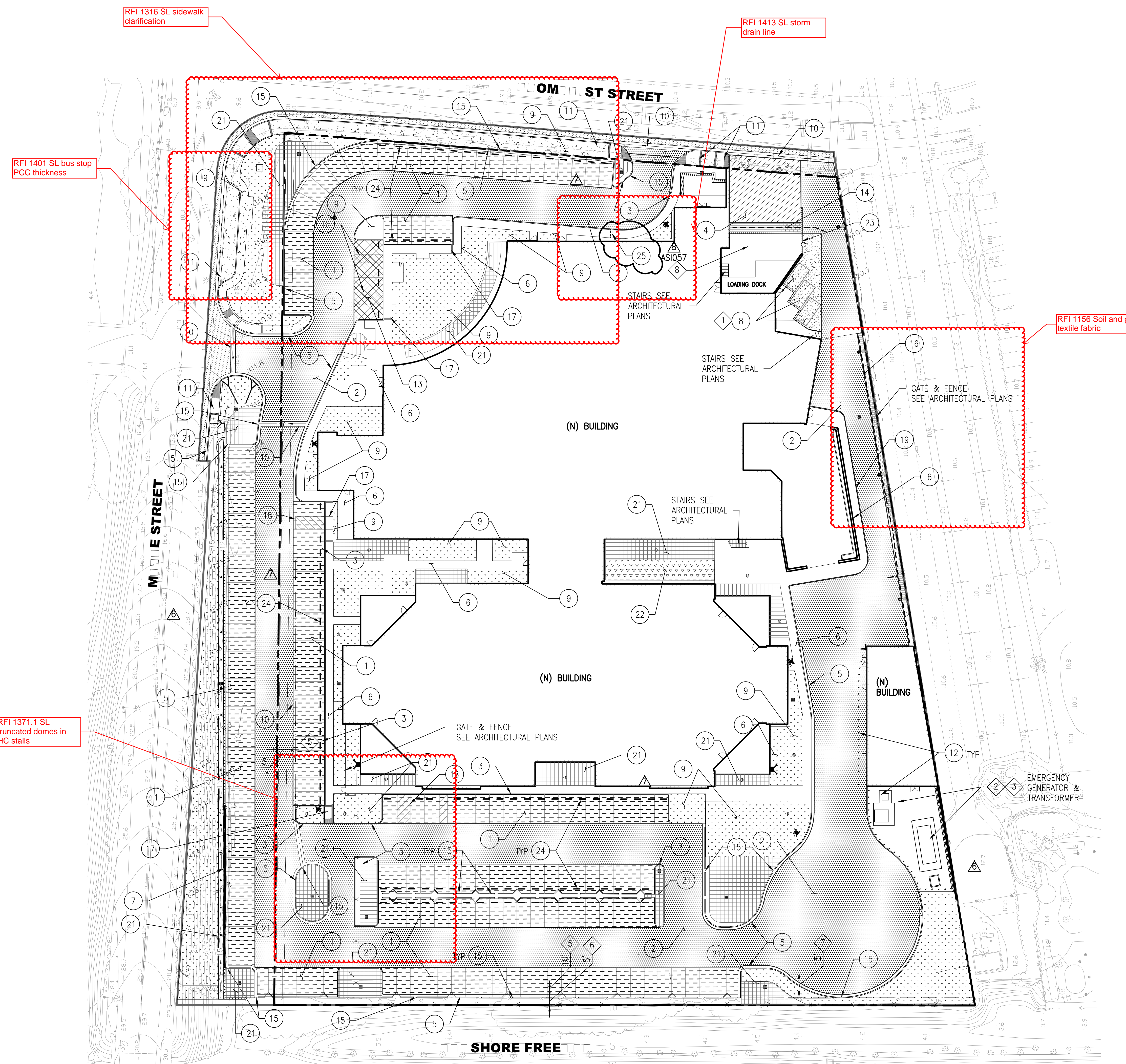
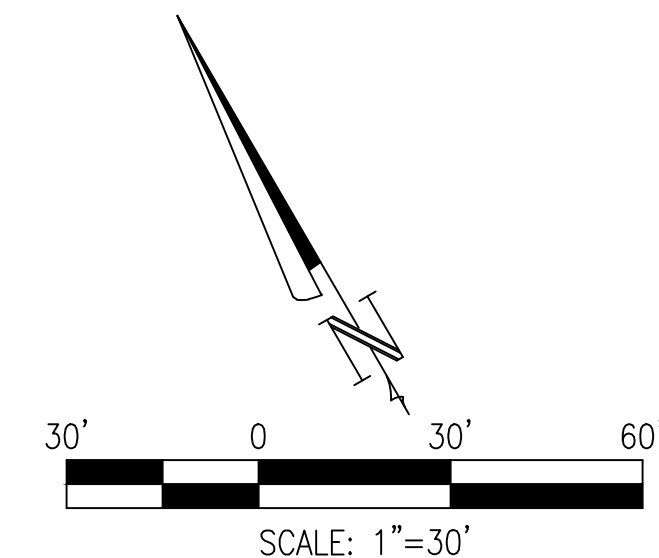
1. CONTRACTOR TO FURNISH AND INSTALL THE FOLLOWING:

ITEM#	LEGEND	DESCRIPTION	DETAIL
1		AC PAVING TI=5.0	4 C-908
2		AC PAVING TI=7.0	4 C-908
3		6" CONCRETE CURB	1 C-908
4		PCC PAVEMENT TI = 7.0	5 C-908
5		6" CONCRETE CURB & 1.5" GUTTER	2 C-908
6		CONCRETE WALKWAY	SEE L/S DRAWINGS
7		RETAINING WALL	SEE SHEET C-801 & STRUCTURAL DWG. S421
8		TRASH COMPACTOR PAD	5 C-908 TI=7.0 SIM
9		LANDSCAPING	SEE L/S DRAWINGS
10		CONCRETE VALLEY GUTTER	8 C-909
11		CURB RAMP WITH GROOVES & TRUNCATED DOMES	SEE SHEETS C-605 & C-606
12		6" CONCRETE BOLLARD SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS	7 C-908
13		PCC PAVEMENT TI = 5.0	5 C-908
14		PERMEABLE PAVERS	3B C-909
15		2" WIDE CURB OPENING SEE GRADING PLAN FOR LOCATIONS	3 C-908
16		PERMEABLE PAVERS	3A C-909
17		CURB RAMP	SEE L/S DRAWINGS
18		HC PARKING	6 C-908
19		ROLLED CURB & GUTTER	9 C-908
20		NOT USED	
21		BIO-TREATMENT	SEE L/S DRAWINGS & 1 C-909 2 C-909
22		DOG KENNEL	SEE L/S DRAWINGS
23		DEEPEMED CURB	14 C-908
24		WHEEL STOP	10 C-908
25		CURB DRAIN W/SIDEWALK UNDERDRAIN	3 C-902

SHEET NOTES

- CONTRACTOR SHALL COORDINATE WITH RECOLOGY FOR ALL TRASH COMPACTOR UNDER STRUCTURE REQUIREMENTS INCLUDING BUT NOT LIMITED TO RAIL TRACKS, AND CONDUIT. COORDINATION SHALL BE PERFORMED PRIOR TO PLACEMENT OF TRASH COMPACTOR CONCRETE PAD.
- CONTRACTOR TO COORDINATE SIZE AND DETAILS OF EQUIPMENT PADS WITH MECHANICAL/ELECTRICAL/PLUMBING AND STRUCTURAL DRAWINGS.
- CONTRACTOR TO COORDINATE SIZE AND DETAILS OF EQUIPMENT PADS WITH PG&E.
- INSTALL BLUE PAVEMENT REFLECTORS FOR ALL NEW FIRE HYDRANTS. REFLECTORS SHALL BE 6" OFFSET FROM CENTERLINE ON THE SIDE OF THE FIRE HYDRANT AND SHALL BE PERPENDICULAR FROM CENTERLINE OF ROADWAY TO FIRE HYDRANT.
- EXISTING UNDERGROUND PUBLIC UTILITY EASEMENT (UPUE) TO REMAIN FOR EXISTING GAS LINE.
- EXISTING RESERVATION FOR SCREEN PLANTING TO REMAIN.
- EXISTING UPUE & STORM DRAIN EASEMENT TO REMAIN.
- STRUCTURAL SLAB PER S202 AND 1/S406. TOP OF SLAB TO SLOPE PER C-602.

REFERENCE



Project No. 12.04009.00	Reference Sheet C-401	Issued To ASI-057	Date 10/30/2014
		Scale N/S	Sheet No. ASI-057_SK-C401
HDR 1001 Redwood Street, Suite 200 San Francisco, CA 94104 USA www.hdr.com		Sheet Title SITE IMPROVEMENT PLAN	Project Info SAN MATEO COUNTY MAPLE STREET CORRECTIONAL CENTER

FOR REFERENCE ONLY

4/17/2014 6:10:08 PM



Project: 12.04009.00
SAN MATEO COUNTY
REPLACEMENT JAIL
 Maple Street | Redwood City, CA 94063

Prepared for
San Mateo County
 400 County Center | Redwood City 94063

Contract No: 071923



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 San Francisco, CA 94107

GUIDEPOST SOLUTIONS COMPANY
 SECURITY ELECTRONICS ENGINEER
 388 17th Street, Suite 230
 Oakland, CA 94612

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 MECHANICAL, ELECTRICAL & PLUMBING ENGINEERS
 One Bush Street, Suite 200
 San Francisco, CA 94104

HOK LANDSCAPE & PLANNING
 LANDSCAPE ARCHITECTURE
 One Bush Street, Suite 200
 San Francisco, CA 94104

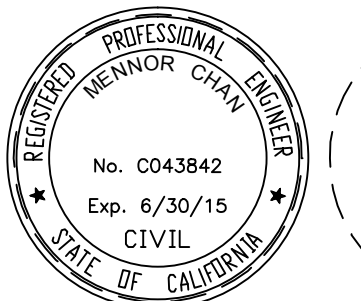
CONSTRUCTION MANAGER



A Joint Venture

2660 Gateway Oaks Blvd, Suite 300
 Sacramento, CA 95833 USA
 t +1 916 830 8000 f +1 916 830 8108

Professional Seals



No.	Description	Date
100%	SCHEMATIC DESIGN	10/12/2012
50%	DESIGN DEVELOPMENT	11/30/2012
1	PILE & ROUGH GRADING BID PACKAGE	01/31/2013
	ADDENDUM 2, PILE & ROUGH GRADING	02/26/2013
	PILE & ROUGH GRADING BULLETIN 1	06/24/2013

Drawn by: DZ Reviewed by: MC

Project No: 12.04009.00

Sheet Title:

ROUGH GRADING PLAN

Original drawing is 36 x 24. Do not scale contents of this drawing.

Sheet Number

C-501

ROUGH GRADING LEGEND & ABBREVIATIONS:

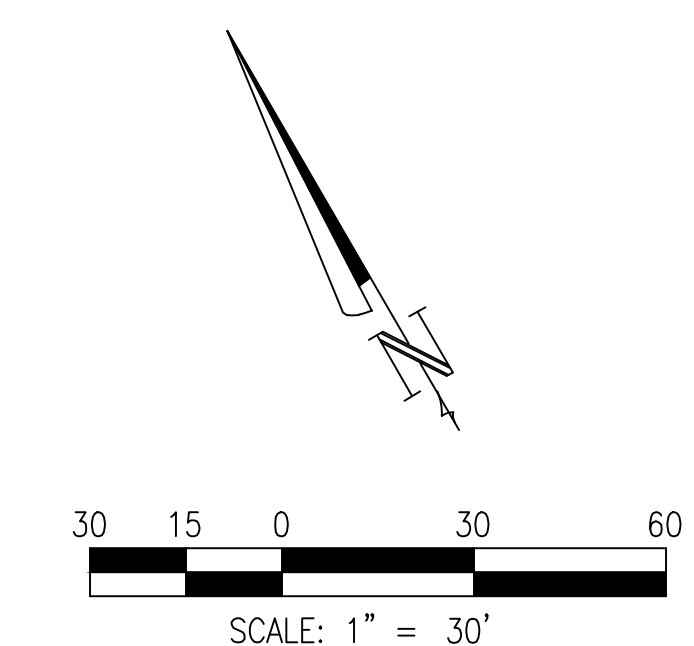
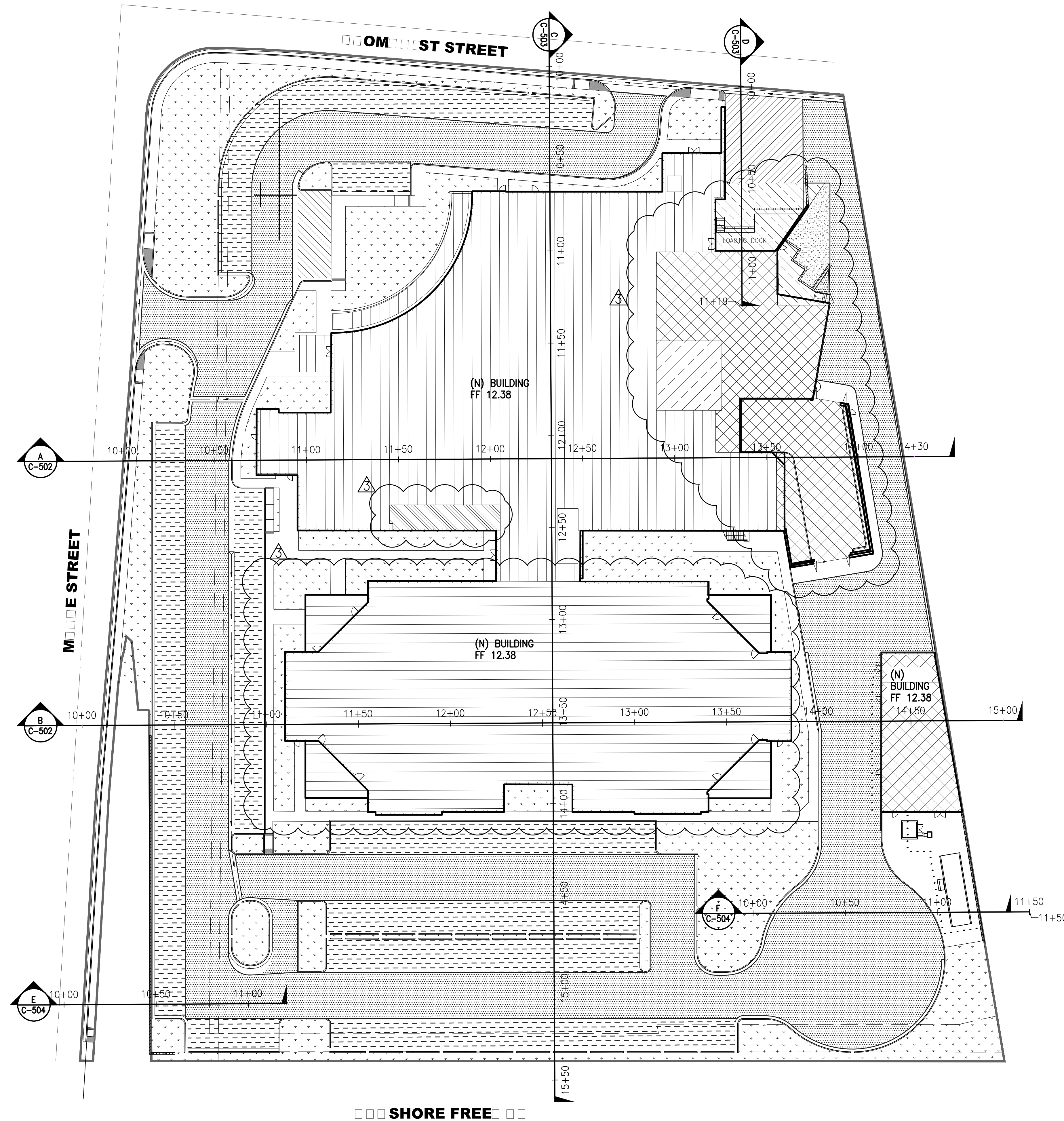
1. CONTRACTOR TO FURNISH AND INSTALL THE FOLLOWING:

LEGEND	DESCRIPTION	DETAIL
	AC PAVING TI=5.0	FG -3" ASPHALT PAVING -10" CLASS III AGG. BASE
	AC PAVING TI=7.0	FG -4" ASPHALT PAVING -16" CLASS II AGG. BASE
	PCC PAVEMENT TI=5.0	FG -6" CONCRETE -8" CLASS II AGG. BASE
	PCC PAVEMENT TI=7.0	FG -6" CONCRETE -13" CLASS II AGG. BASE
	CONCRETE WALKWAY	FG -4" CONCRETE -4" CLASS II AGG. BASE
	LANDSCAPE	FG -12" LANDSCAPE
	CONCRETE VALLEY GUTTER	FG -6" CONCRETE -6" CLASS II AGG. BASE
	BUILDING	FF -9" CONCRETE SLAB (SEE NOTE 3) -4" SAND (SEE NOTE 4) -6" WATER BARRIER (SEE NOTE 4)
	BUILDING	FF -8" CONCRETE SLAB (SEE NOTE 3) -4" SAND (SEE NOTE 4) -6" WATER BARRIER (SEE NOTE 4)
	BUILDING	FF -12" CONCRETE SLAB (SEE NOTE 3) -4" SAND (SEE NOTE 4) -6" WATER BARRIER (SEE NOTE 4)
	BUILDING	FF -24" CONCRETE SLAB (SEE NOTE 3) -4" SAND (SEE NOTE 4) -6" WATER BARRIER (SEE NOTE 4)
	LOADING DOCK STRUCTURAL SLAB	FG -12" STRUCTURAL SLAB
	TOPPING SLAB	FG -12" TOPPING SLAB -12" STRUCTURAL SLAB
	BUILDING 16" DEPRESSION	FF -12" CONCRETE SLAB (SEE NOTE 3) -4" SAND (SEE NOTE 4) -6" WATER BARRIER (SEE NOTE 4)

SHEET NOTES

- SEE C-500 FOR ROUGH GRADING NOTES
- SEE STRUCTURAL DRAWINGS FOR GRADE BEAMS, PILE CAPS AND STRUCTURAL DETAILS.
- SEE STRUCTURAL PLANS BY SOHA
- SEE UV PLANS BY WEST ENVIRONMENTAL SERVICES & TECHNOLOGY

REFERENCE



FOR REFERENCE ONLY

P:\12009.100_San Mateo County Jail\3_Dwg\C-501-ROUGH GRADING PLAN.dwg Mlee Thu Jun 27,2013 4:07 pm C-501



Project: 12.04009.00
SAN MATEO COUNTY
REPLACEMENT JAIL
 Maple Street | Redwood City, CA 94063

Prepared for
San Mateo County
 400 County Center | Redwood City 94063

Contract No: 071923



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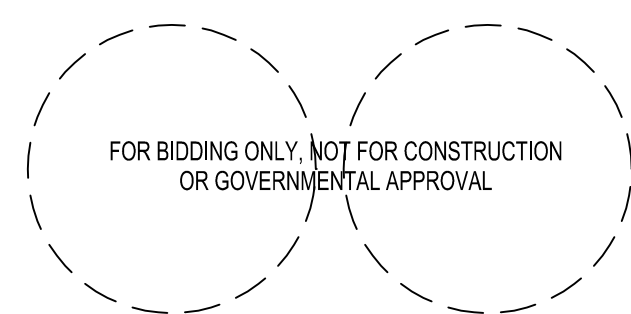
HOK LANDSCAPE & PLANNING
 LANDSCAPE ARCHITECTURE
 One Bush Street, Suite 200
 San Francisco, CA 94104

CONSTRUCTION MANAGER



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 t +1 916 830 8000 f +1 916 830 8108

Professional Seals



No.	Description	Date
100%	SCHEMATIC DESIGN	10/12/2012
50%	DESIGN DEVELOPMENT	11/30/2012
	PILE & ROUGH GRADING BID PACKAGE	12/21/2012
100%	DESIGN DEVELOPMENT	02/14/2013
	APPENDIX 2, PILE & ROUGH GRADING	02/26/2013

Drawn by: DZ Reviewed by: MC

Project No: 12.04009.00

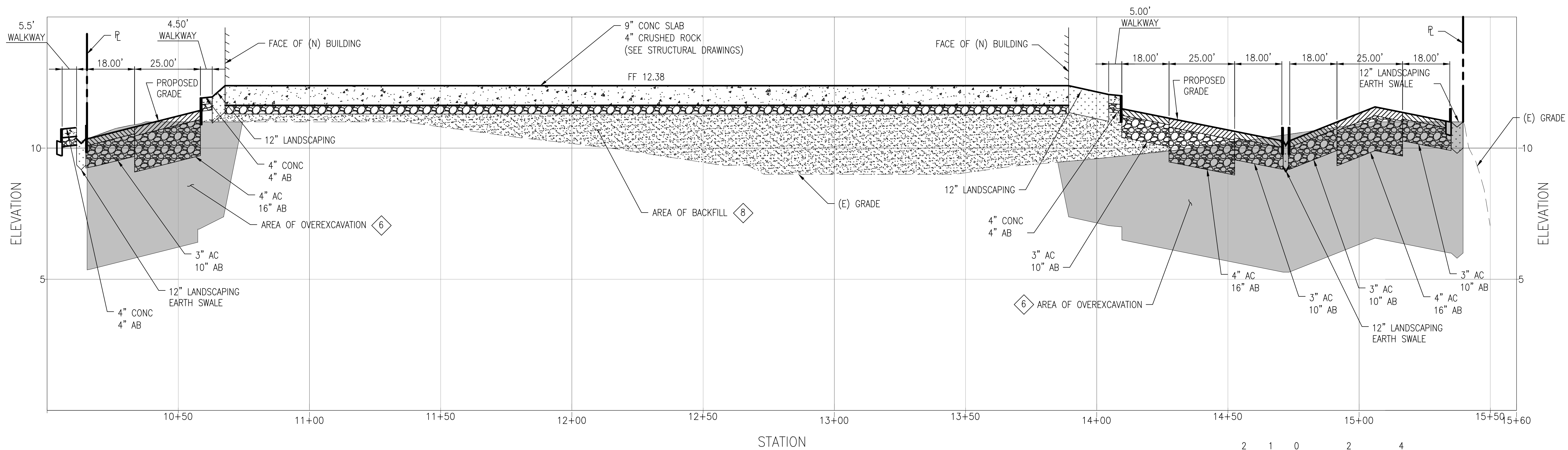
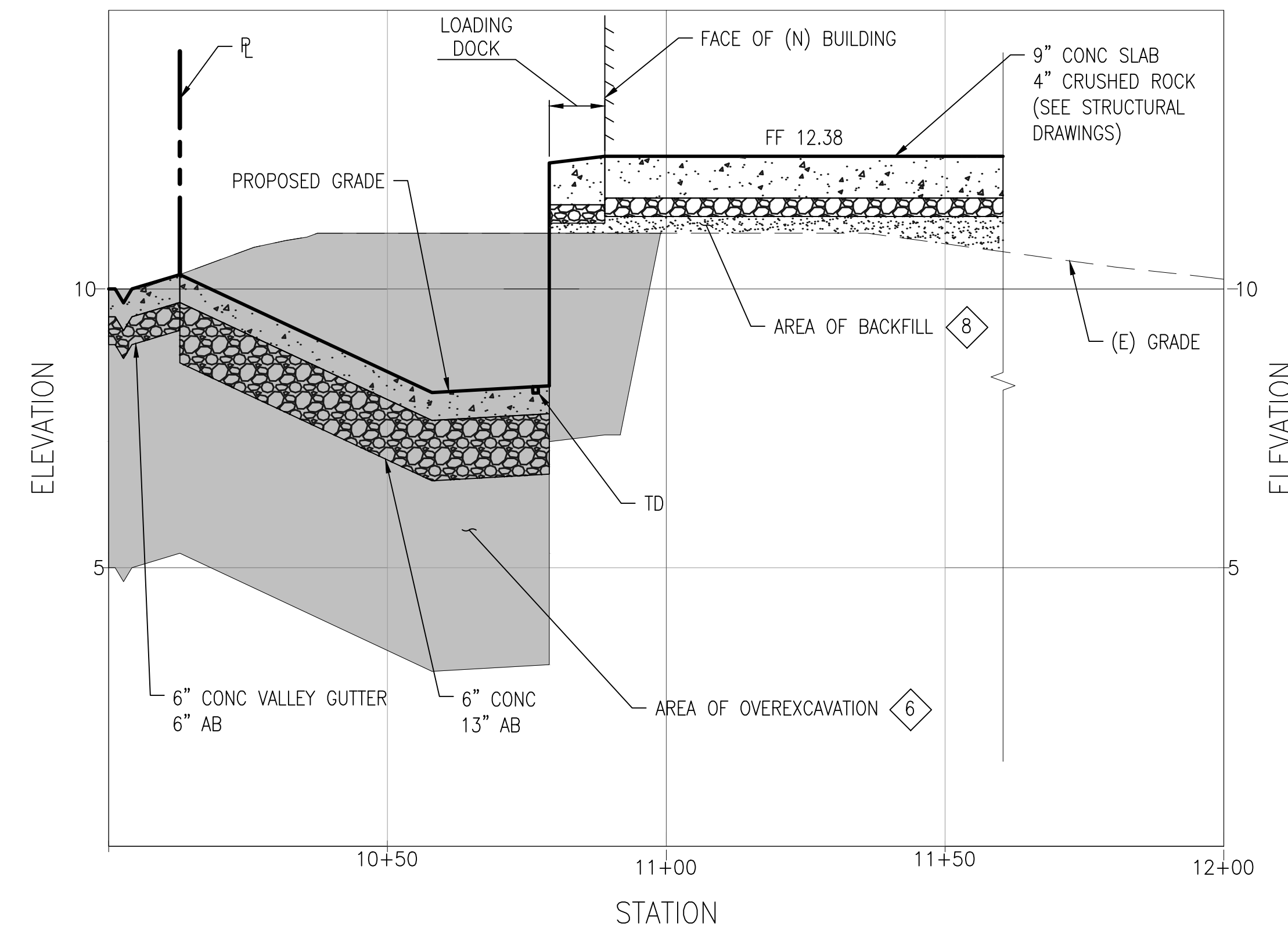
Sheet Title:

**ROUGH GRADING
 SECTIONS (2 of 3)**

Original drawing is 36 x 24. Do not scale contents of this drawing.

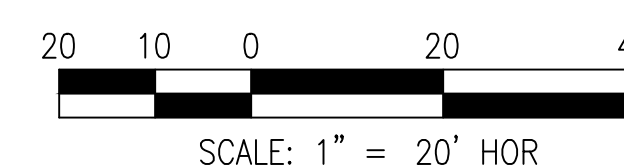
Sheet Number

C-503



SHEET NOTES

- SEE C-500 FOR ROUGH GRADING NOTES.
- SEE C-201 THROUGH C-204 FOR ALL SITE DIMENSIONING.



FOR REFERENCE ONLY



Prepared For
SAN MATEO COUNTY

400 County Center
Redwood City, CA 94063

Contract No: 071923

Project
**MAPLE STREET
CORRECTIONAL CENTER**

1300 Maple St
Redwood City, CA 94063



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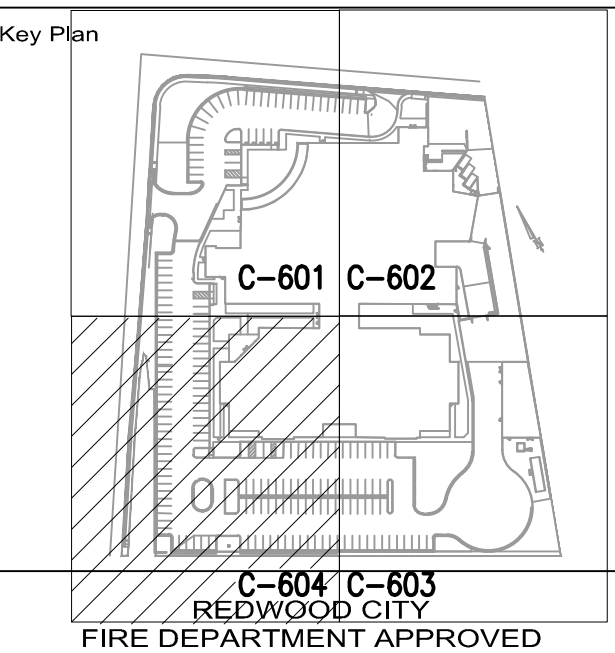
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CSFM File #: 40-41-44-0001

BSCC File #: 081-4925.01 & 081-4927.01

Professional Seals



No.	Issue Description	YYYY-MM-DD
01	ADDITIONAL 7' FILE & ROUGH GRADING	2013-02-26
02	SITE WORK & BUILDING PERMIT	2013-08-16
03	BULLETIN 2 STRUCT COORDINATION	2013-08-20
04	CD PERMIT & BID PACKAGE	2014-02-06
05	BID PACKAGE #1	2014-03-12
06	SMC PERMIT V-PLAN CHECK RESP	2014-05-07
07	ASI 006	2014-06-04

Drawn by _____ Reviewed by _____

Project No: 12.04009.00

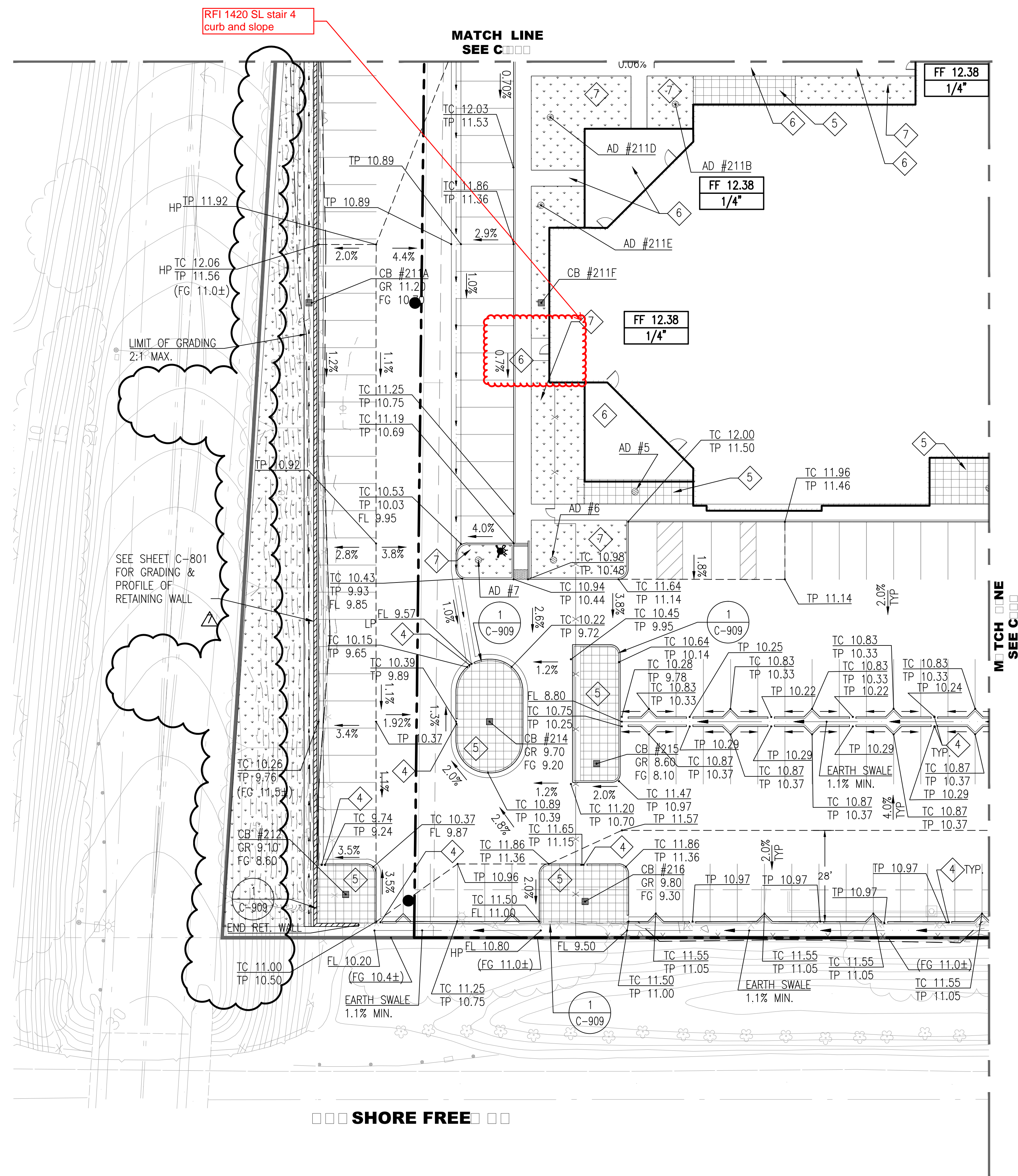
Sheet Title

**FINE GRADING &
DRAINAGE PLAN
(4 OF 4)**

Original drawing is 42 x 30 Do not scale contents of this drawing

Sheet Number

C-604

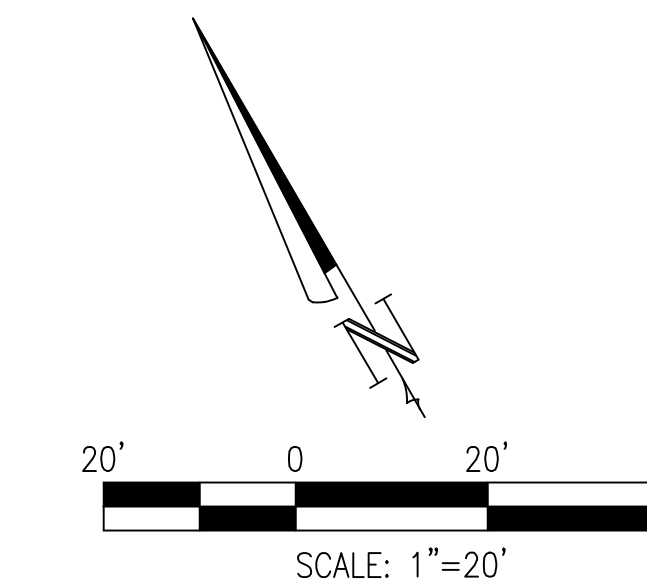


SHEET NOTES

- ALL CONFORM GRADES ARE BASED ON TOPOGRAPHIC SURVEY. CONTRACTOR SHALL VERIFY CONFORM ELEVATIONS PRIOR TO CONSTRUCTION & NOTIFY ENGINEER OF ANY DISCREPANCY.
- (E) VAULT & MANHOLE RIM ELEVATIONS SHALL BE ADJUSTED TO MATCH PROPOSED GRADING PLAN.
- SEE LANDSCAPE DRAWINGS FOR ALL GRADING AND DRAINAGE BEHIND THE CURB, WHICH INCLUDES, WALKWAYS, SOFTSCAPE, LANDSCAPE AND B10-TREATMENT AREAS.
- CURB OPENING PER DETAIL 3 SHEET C908.
- SEE LANDSCAPE DRAWINGS FOR DESIGN OF B10-TREATMENT AREA IN THIS AREA.
- SEE LANDSCAPE PLANS FOR ALL GRADING BEYOND THE FACE OF CURB.
- SEE LANDSCAPE PLANS FOR GRADING WITHIN LANDSCAPE AREA.
- SEE SHEETS C-605 AND C-606 FOR GRADING WITHIN MAPLE STREET AND BLOWQUIST STREET.

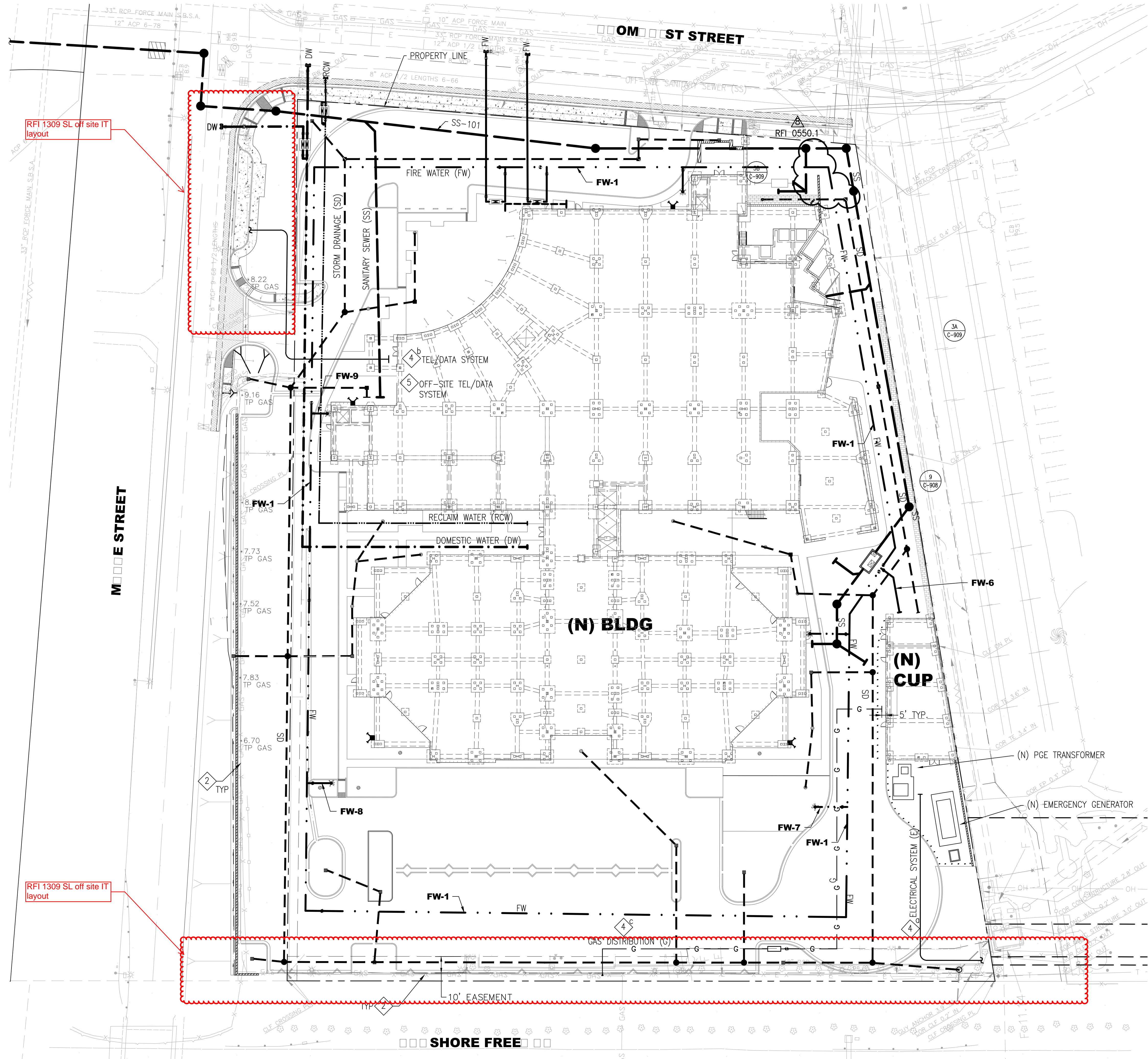
BIO-TREATMENT AREA

REFERENCE



FOR REFERENCE ONLY

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SHEET NOTES

- FOR ALL GENERAL NOTES, LEGENDS AND ABBREVIATIONS, SEE C-001 AND C-002, RESPECTIVELY
- CONTRACTOR TO COORDINATE WITH AFFECTED UTILITY AGENCIES AND PROTECT ALL EXISTING UTILITIES TO REMAIN DURING CONSTRUCTION.
- THIS PLAN SHOWS THE GENERAL LAYOUT OF ALL WET UTILITY SYSTEMS. FOR SPECIFIC UTILITY PLANS, SEE THE FOLLOWING:

STORM DRAIN SYSTEM PLAN	C-711
SANITARY SEWERAGE PLAN	C-721
OFF-SITE SANITARY SEWERAGE PLAN	C-722
WATER DISTRIBUTION	C-731
• DOMESTIC & RECLAIMED & IRRIGATION	C-732
• FIRE WATER	
- OTHER UTILITIES SYSTEM (ELECTRICAL, TEL/DATA AND GAS) ARE SHOWN FOR REFERENCE ONLY. DESIGN, INSTALLATION AND COORDINATION OF TIE-IN WITH UTILITY AGENCIES OF SAID UTILITIES ARE BY OTHERS. CONTRACTOR SHALL COORDINATE UTILITIES CONSTRUCTION IN THIS CONTRACT WITH THE WORK OF OTHER CONTRACTS THAT MAY BE UNDERWAY CONCURRENTLY WITH THIS PROJECT. SEE FOLLOWING DESIGN-BUILD DRAWINGS FOR DETAILS:
 - ELECTRICAL: ES-200
 - TEL/DATA: ES-200
 - GAS: PS-101
- CONTRACTOR TO PROVIDE AN ALLOWANCE TO FURNISH AND INSTALL (3)4"Ø CONDUIT FOR TEL/DATA FROM OUR PROJECT TO THE TIE-IN POINT AT THE POLICE STATION AT MAPLE STREET. SCHEMATIC ROUTING HAS BEEN PROVIDED. ACTUAL ROUTING AND TIE-IN POINT HAS NOT BEEN FINALIZED AND WILL BE DETERMINED IN THE FIELD. THIS WORK SHALL INCLUDE ALL TRENCHING, BACKFILLING AND PAVEMENT REPLACEMENT IN KIND ALONG THE ENTIRE ALIGNMENT.
- ALL DRY UTILITIES (i.e. GAS, COMMUNICATION, ELECTRICAL.....etc.) SHALL BE INSTALLED TO AVOID SD, SS, DW, RW AND FW.
- REFER TO LANDSCAPE PLANS FOR IRRIGATION.



Prepared For
SAN MATEO COUNTY

400 County Center
Redwood City, CA 94063

Contract No: 071923

Project
MAPLE STREET CORRECTIONAL CENTER

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Redwood City, CA 94063



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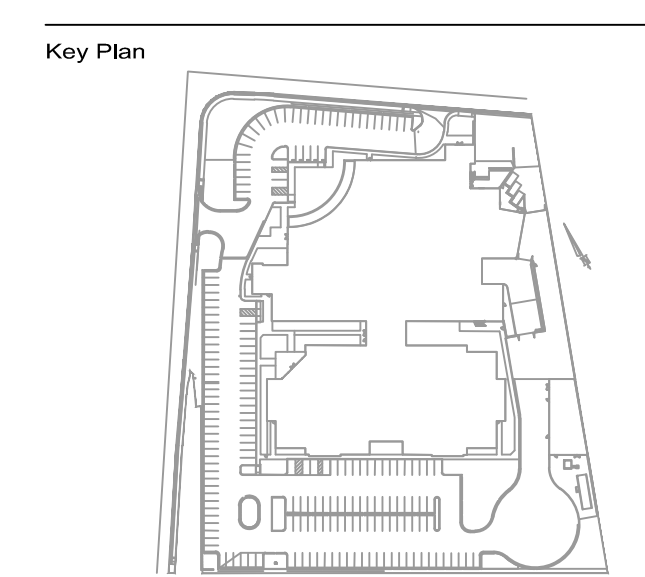


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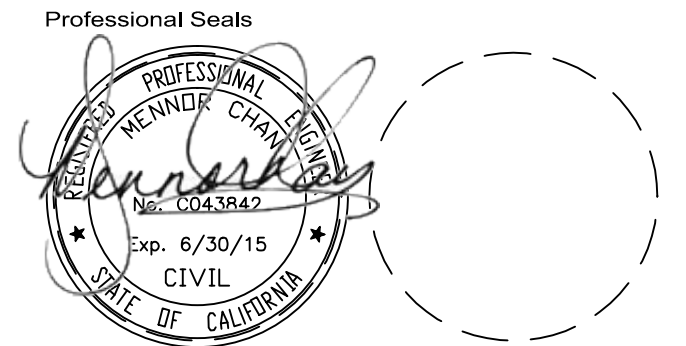
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CSFM File #: 40-41-44-0001
BSCC File #: 081-4925.01 & 081-4927.01



No.	Issue Description	YYYY-MM-DD
01	SITE UTILITY PERMIT PACKAGE	2013-06-12
02	BID PACKAGE #5	2013-09-08
03	SITE UTILITY PERMIT RESPONSE	2013-09-08
04	SITE UTILITY PERMIT RESPONSE #2	2013-09-08
05	SITE UTILITY PERMIT RESPONSE #3	2013-10-08
06	SITE UTILITIES COORDINATION	2013-11-18
07	SMC PERMIT -PLAN CHECK RESP	2014-05-07
08	BULLETIN 10	2014-06-06

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Project No: 12.04009.00

Sheet Title
SITE UTILITY PLAN (COMPOSITE)

Original drawing is 42 x 30 Do not scale contents of this drawing
Sheet Number

C-701

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SAN MATEO COUNTY

400 County Center
Redwood City, CA 94063

Contract No: 071923

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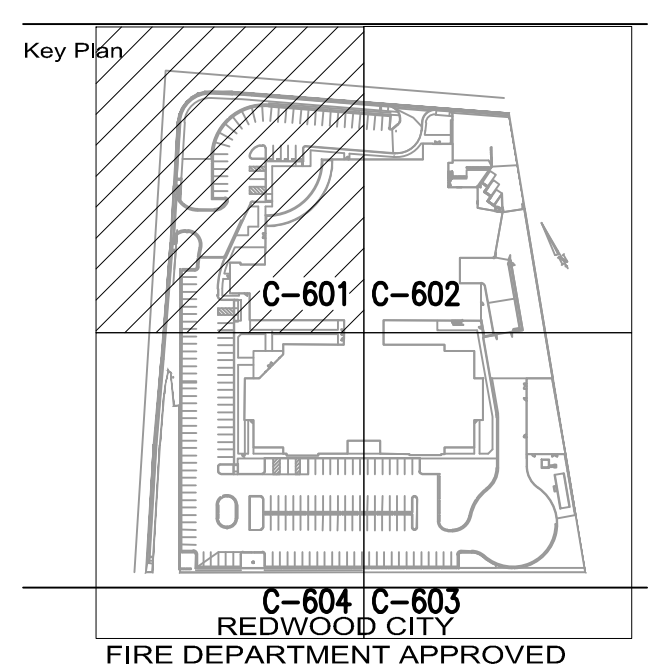
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SHEET NOTES

- CORE HOLE IN SIDE OF STORM DRAIN BOX, AS SHOWN.
- CLEAN OUT PER CITY STANDARD DETAIL S-2
- AREA DRAIN, SEE LANDSCAPE DRAWINGS FOR DETAILS AND GRATE ELEVATION

BIO-TREATMENT AREA

STRUCTURE ID	NORTHING	EASTING	DESCRIPTION	DETAIL
AD #1	2004349.9929	6057259.5978	AREA DRAIN	SEE L/S DRAWINGS
AD #2	2004371.5309	6057222.4140	AREA DRAIN	SEE L/S DRAWINGS
AD #3	2004359.3427	6057203.1556	AREA DRAIN	SEE L/S DRAWINGS
AD #4	2004290.3046	6057330.3172	AREA DRAIN	SEE L/S DRAWINGS
AD #5	2004262.4307	6057121.1188	AREA DRAIN	SEE L/S DRAWINGS
AD #6	2004256.7733	6057088.3145	AREA DRAIN	SEE L/S DRAWINGS
AD #7	2004268.5937	6057068.0001	AREA DRAIN	SEE L/S DRAWINGS
AD #8	2004151.6501	6057310.8421	AREA DRAIN	SEE L/S DRAWINGS



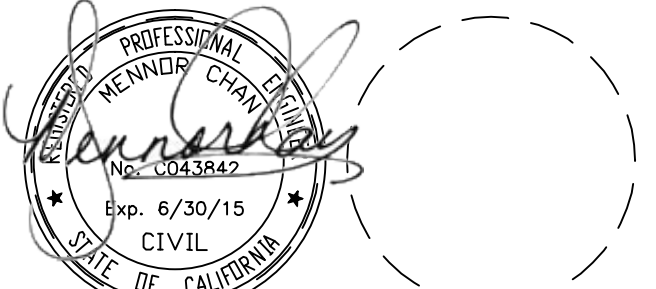
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CSFM File #: 40-41-44-0001

BSCC File #: 081-4925.01 & 081-4927.01

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No.	Issue Description	YYYY-MM-DD
01	SITE WORK & BUILDING PERMIT	2013-08-16
02	CD PERMIT & BID PACKAGE	2014-03-08
03	BID PACKAGE #5	2014-03-12
04	SMC PERMIT V. PLAN CHECK RESP	2014-06-07
05	ASB 006	2014-06-04

Drawn by _____ Reviewed by _____

Project No: 12.04009.00

Sheet Title

**STORM DRAIN AND
SUBDRAIN PLAN**

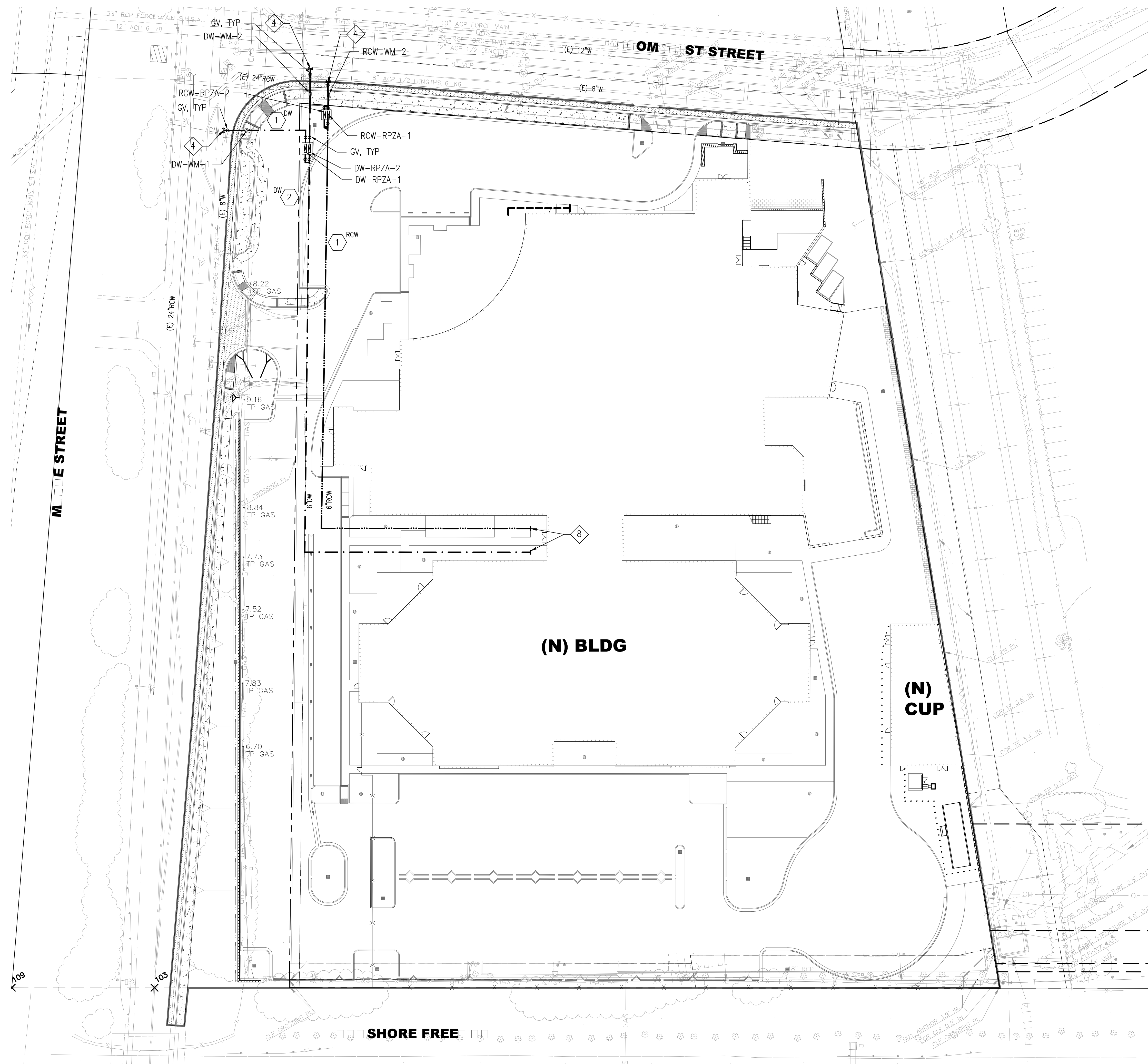
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C-703

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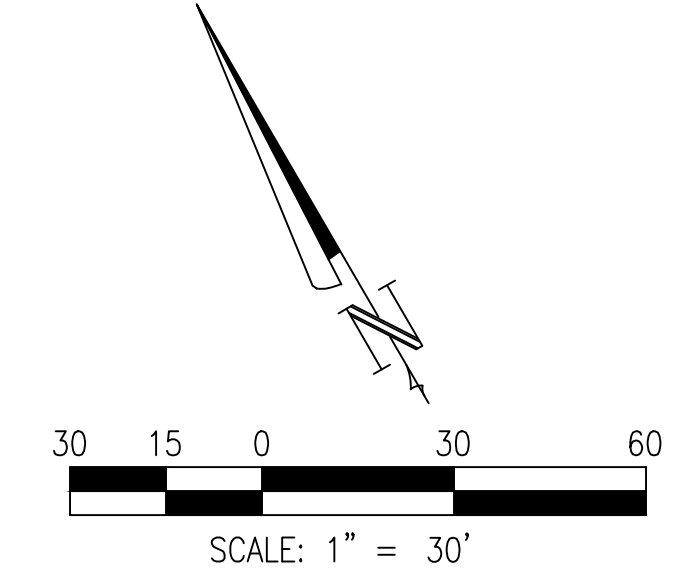
SHEET NOTES

- FOR GENERAL NOTES, LEGEND AND ABBREVIATIONS, SEE C-001 AND C-002, RESPECTIVELY.
- ALL WATER WORKS WITHIN THE PUBLIC RIGHT OF WAY SHALL BE COORDINATED WITH AND CONSTRUCTED IN ACCORDANCE WITH THE LATEST CITY OF REDWOOD CITY WATER DEPARTMENT STANDARD PLANS AND SPECIFICATIONS, AND SHALL BE SUBJECT TO INSPECTION BY THE DEPARTMENT.
- ALL ON-SITE DOMESTIC/RECLAIM/IRRIGATION WATER SYSTEM SHALL BE COORDINATED WITH AND CONSTRUCTED IN ACCORDANCE WITH THE LATEST SAN MATEO COUNTY STANDARD PLANS AND SPECIFICATIONS, AND SHALL BE SUBJECT TO INSPECTION BY THE DEPARTMENT.
- CONTRACTOR SHALL INSTALL ENTIRE WATER SYSTEM, INCLUDING ALL NECESSARY VALVES AND APPURTENANCES, TRENCHING/BACKFILLING/REPAVING, FROM TIE-IN TO 5' OUTSIDE BUILDINGS. CONTRACTOR SHALL COORDINATE TIE-IN TO EXISTING WATER MAINS ALONG BLOOMHIST STREET AND MAPLE STREET WITH THE CITY OF REDWOOD CITY. CONTRACTOR SHALL INSTALL HOT TAPS OR CONNECTION TO EXISTING WATER MAIN PER DETAIL 5A & 6 ON C903, UNO.
- WATER METER SHALL BE FURNISHED BY CITY OF REDWOOD CITY AND INSTALLED BY CONTRACTOR. CONTRACTOR SHALL FURNISH AND INSTALL METER BOX AND COVER ASSEMBLY. CONTRACTOR SHALL COORDINATE WITH CITY OF REDWOOD CITY FOR SIZE AND TYPE OF METER BOX.
- CONTRACTOR SHALL FURNISH AND INSTALL REDUCED PRESSURE ZONE ASSEMBLY (RPZA) FOR THE WATER SERVICES AS SPECIFIED BELOW:
 - DW - 6" FEBCO 826YD RPZA
 - RCW - 6" FEBCO 826YD RPZA
 - IRR - NONE
 - OR APPROVED EQUAL FROM THE CURRENT USC APPROVED LIST (WWW.USC.EDU/DEPT/FCCHR/LIST.HTML)
- WATER SYSTEM
 - SIZES OF WATER SYSTEMS:
 - DW - 6"
 - RCW - 6"
 - IRR - 2" (SEE LANDSCAPE DRAWINGS)
 - MINIMUM COVER FOR PIPE: 3 FEET FROM FG
 - PIPE MATERIALS:
 - UNDERGROUND DW & RCW PIPE SHALL BE ASTM D1784, AWWA C900 CLASS 305 (DR14) PVC PRESSURE PIPE.
 - UNDERGROUND IRR PIPE SHALL BE ASTM D1785, SCHEDULE 40 PVC PRESSURE PIPE.
 - ABOVE GROUND PIPE SHALL BE ANSI/AWWA STANDARD C104 DUCTILE IRON PIPE.
 - JOINTS AND THRUST BLOCKS:
 - CONTRACTOR TO INSTALL MECHANICAL RESTRAINING JOINT PER DETAIL 1, 2 & 7 ON C904, AS NECESSARY.
 - IF SPACE DOES NOT PERMIT INSTALLATION OF RESTRAINING JOINT, CONTRACTOR TO INSTALL APPROPRIATE THRUST BLOCKS:
 - ABOVE BAY MUD, SEE DETAIL 6 ON C904
 - WITHIN BAY MUD, SEE DETAIL 4 & 5 ON C903
 - TESTING:
 - ALL NEW UNDERGROUND WATER PIPES SHALL BE INSTALLED AND PRESSURE TESTED PER CITY OF REDWOOD CITY STANDARDS. TEST SHALL INCLUDE 2 HOURS @ 150 PSI, WITNESSED BY THE INSPECTOR OF RECORD.
 - ALL WATER LINES SHALL BE STERILIZED BY CHLORINATION IN ACCORDANCE WITH AWWA STANDARD C651-99 AND AS SPECIFIED BY THE CITY OF REDWOOD CITY.
 - AIR RELEASE VALVES (ARV)/BLOW OFF VALVES (BOV) AND BOXES
 - ALL AIR RELEASE/BLOW OFF VALVES AND BOXES ARE SHOWN ON THE PLAN AND PROFILES SHEETS.
 - CONTRACTOR SHALL PLACE ARV OUTSIDE OF AC PAVEMENT, PREFERABLY BEHIND BACK OF WALK AND/OR LANDSCAPE AREA.
 - CONTRACTOR SHALL INSTALL ARV PER CITY OF REDWOOD CITY STANDARD DETAIL W-1.
 - CONTRACTOR SHALL INSTALL BOV PER CITY OF REDWOOD CITY STANDARD DETAIL W-2.
 - CONTRACTOR SHALL PROVIDE CATHODIC PROTECTION PER JDH CORROSION DESIGN PLANS & SPECIFICATIONS.
 - CONTRACTOR SHALL PROVIDE CATHODIC PROTECTION SYSTEM, REFER TO DRAWINGS VOL. 2.2 ENVIRONMENTAL GALVANIC CATHODIC PROTECTION AND SPECIFICATION SECTION 26 42 13 GALVANIC CATHODIC PROTECTION FOR UNDERGROUND PIPING.
- FOR DW PLAN AND PROFILE, SEE SHEETS C-831 THRU C-832. FOR RW PLAN AND PROFILE, SEE SHEETS C-834 THRU C-836. FOR IRR PLAN AND PROFILE, SEE SHEETS C-833.
- REFERENCE TO DESIGN-BUILD PLUMBING DRAWING PRIOR TO INSTALLATION, IF DISCREPANCIES, NOTIFY ENGINEER.
- ALL BENDS HORIZONTAL AND VERTICAL VALVES AND FITTINGS SHALL MEET THE MINIMUM LENGTH OF RESTRAINT ON EACH SIDE OF BEND VALVE OR FITTING PER CITY STANDARD DETAIL W-20B
- SEE LANDSCAPE PLANS FOR IRRIGATION.

LEGEND

- DOMESTIC WATER ALIGNMENT X DW-X
- RECLAIMED WATER ALIGNMENT X RCW-X
- IRRIGATION WATER ALIGNMENT X IRR-X

REFERENCE



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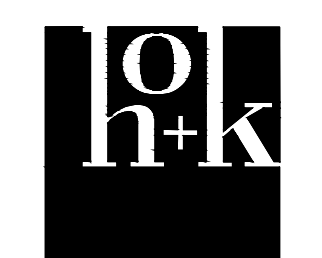
Prepared For
SAN MATEO COUNTY

400 County Center
Redwood City, CA 94063

Contract No: 071923

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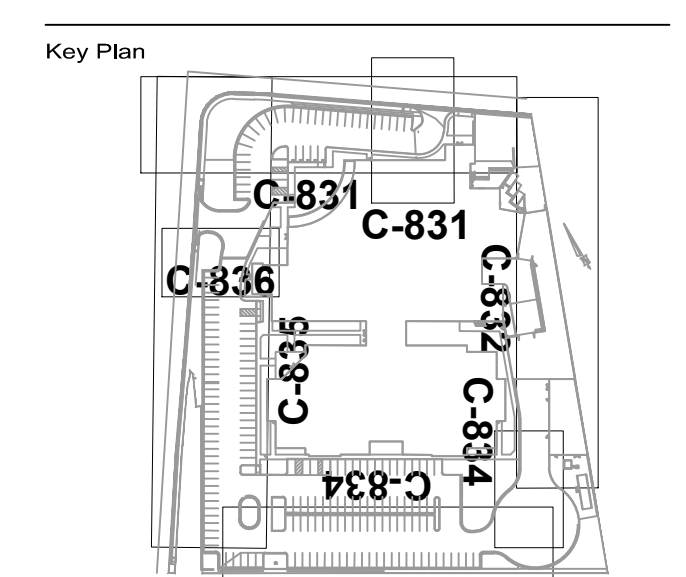
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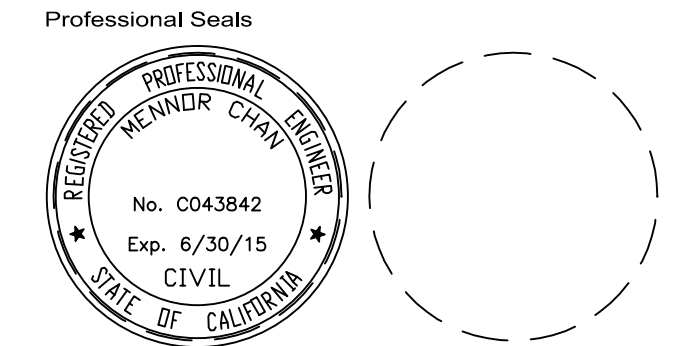


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Reviewed by
CSFM File #: 40-41-44-0001

BSCC File #: 081-4925.01 & 081-4927.01



No.	Issue Description	YYYY-MM-DD
01	SITE UTILITY PERMIT PACKAGE	2013-06-12
02	BID PACKAGE #5	2013-10-08
03	SITE UTILITY PERMIT RESPONSE	2013-10-08
04	SITE UTILITY PERMIT RESPONSE #2	2013-10-08
05	SITE UTILITY PERMIT RESPONSE #3	2013-10-08
06	SITE UTILITIES COORDINATION	2013-11-18
7	3RD REVIEW PLAN REVISIONS	2014-03-06
08	SITE UTILITY PERMIT RESPONSE #4	2014-03-25
09	SITE UTILITY PERMIT RESPONSE #5	2014-04-08
10	SMC PERMIT W-PLAN CHECK RESP	2014-05-07
11	RFI 0555 DW & FW CONNECTION	2014-05-22

Drawn by: [Blank] Reviewed by: [Blank]
Project No: 12.04009.00

Sheet Title
WATER DISTRIBUTION PLAN (DOMESTIC & RECLAIMED)

Original drawing is 42 x 30 Do not scale contents of this drawing
Sheet Number

C-731



Prepared For
SAN MATEO COUNTY

400 County Center
Redwood City, CA 94063

Contract No: 071923

Project
**MAPLE STREET
CORRECTIONAL CENTER**

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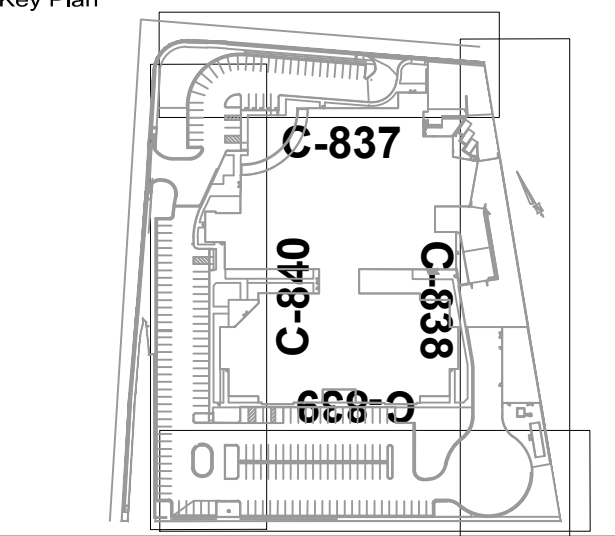
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Key Plan



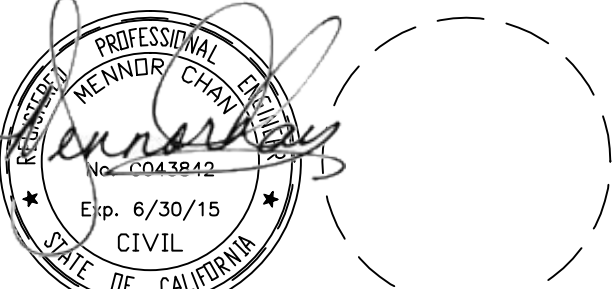
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CSFM File #: 40-41-44-0001

BSCC File #: 081-4925.01 & 081-4927.01

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No.	Issue Description	YYYY-MM-DD
01	SITE UTILITY PERMIT PACKAGE	2013-06-12
02	BID PACKAGE #5	2013-10-08
03	SITE UTILITY PERMIT RESPONSE	2013-10-08
04	SITE UTILITY PERMIT RESPONSE #2	2013-10-08
05	SITE UTILITY PERMIT RESPONSE #3	2013-10-08
06	SITE UTILITIES COORDINATION	2013-11-18
7	1 3RD REVIEW PLAN REVISIONS	2014-03-06
08	SITE UTILITY PERMIT RESPONSE #4	2014-03-26
09	SITE UTILITY PERMIT RESPONSE #5	2014-04-08
10	SMC PERMIT -PLAN CHECK RESP	2014-05-07
11	RPI 0555 DW & FW CONNECTION	2014-05-22

Drawn by _____ Reviewed by _____

Project No: 12.04009.00

Sheet Title

**WATER DISTRIBUTION
PLAN (FIRE WATER)**

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Sheet Number

C-732

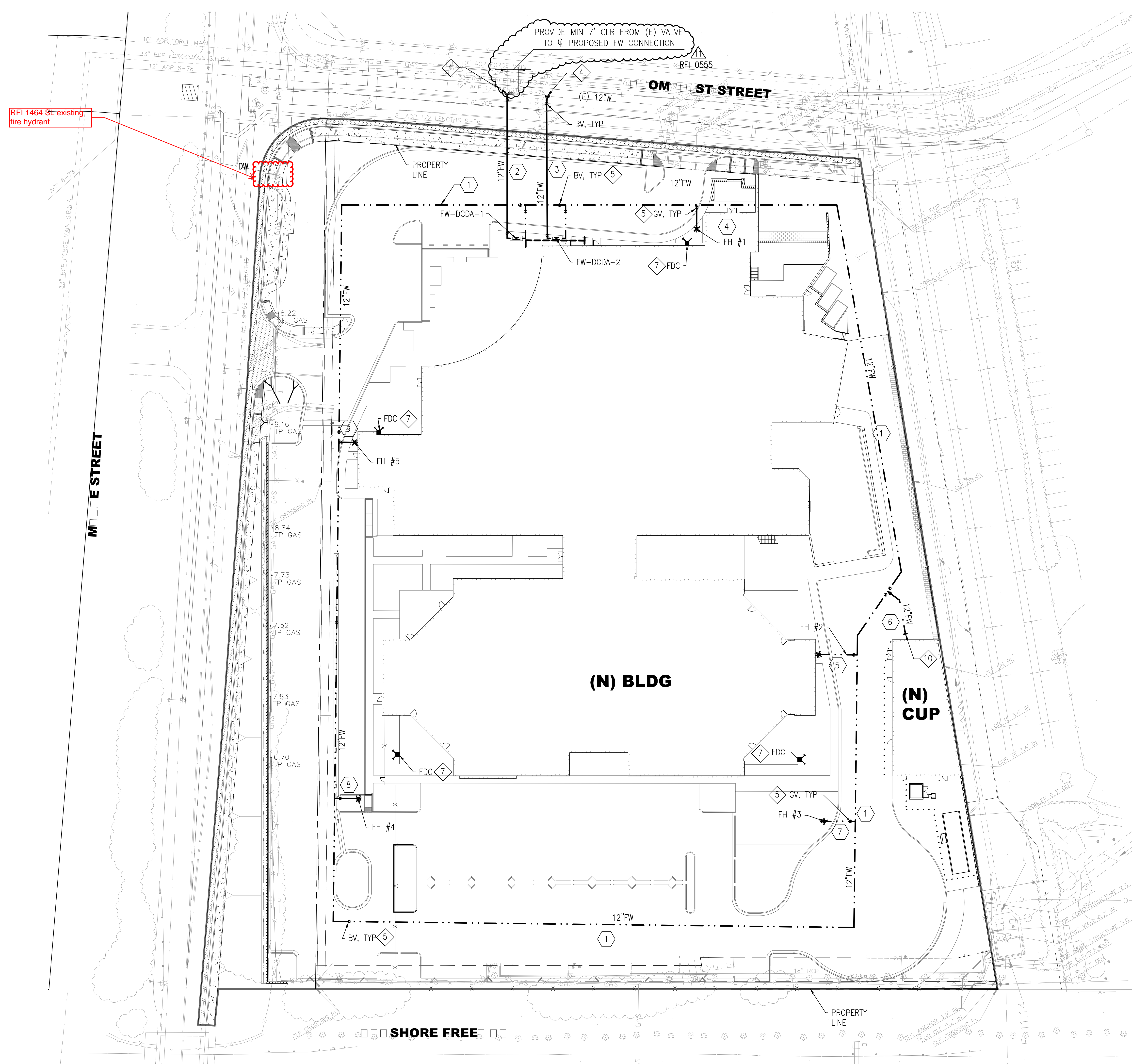
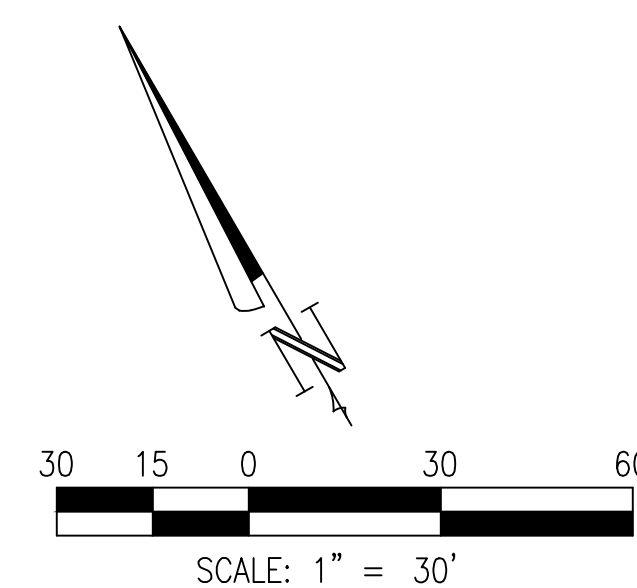
SHEET NOTES

- FOR ALL GENERAL NOTES, LEGEND AND ABBREVIATIONS, SEE C-001 AND C-002, RESPECTIVELY.
- ALL FIRE WATER SYSTEM WITHIN THE PUBLIC RIGHT OF WAY SHALL BE COORDINATED WITH AND CONSTRUCTED IN ACCORDANCE WITH THE LATEST CITY OF REDWOOD CITY WATER DEPARTMENT STANDARD PLANS AND SPECIFICATIONS, AND SHALL BE SUBJECT TO INSPECTION BY THE DEPARTMENT.
- ALL ON-SITE FIRE WATER SYSTEM SHALL BE COORDINATED WITH AND CONSTRUCTED IN ACCORDANCE WITH THE LATEST SAN MATEO COUNTY FIRE DEPARTMENT STANDARD PLANS AND SPECIFICATIONS, AND SHALL BE SUBJECT TO INSPECTION BY THE DEPARTMENT AND ALSO SUBJECT TO INSPECTION BY CITY OF REDWOOD CITY.
- CONTRACTOR SHALL INSTALL ENTIRE FIRE WATER SYSTEM, INCLUDING ALL NECESSARY VALVES AND APPURTENANCES, TRENCHING/BACKFILLING/REPAVING, FROM TIE-IN TO 5' OUTSIDE BUILDINGS. CONTRACTOR SHALL COORDINATE TIE-IN TO EXISTING 12" WATER MAIN ALONG BLOMQUIST STREET WITH THE CITY OF REDWOOD CITY. CONTRACTOR SHALL INSTALL TEE CONNECTION TO EXISTING WATER MAIN PER DETAIL 8 ON C904.
- VALVES : FOR 10" AND SMALLER PIPE - GATE VALVES
FOR 12" AND LARGER PIPE - BUTTERFLY VALVES
- CONTRACTOR SHALL FURNISH AND INSTALL DOUBLE CHECK DETECTOR ASSEMBLY (DCDA) WITH BY-PASS WATER METER FOR THE FIRE WATER SERVICE AS SPECIFIED BELOW:
 - 12" AMES 3000SS DCDA
 - OR APPROVED EQUAL FROM THE CURRENT USC APPROVED LIST (WWW.USC.EDU/DEPT/FCCHR/LIST.HTML)
 - INSTALL CONCRETE MAINTENANCE PAD.
- BUILDING MOUNTED FIRE DEPARTMENT CONNECTIONS (FDCs) ARE NOT IN CONTRACT AND ARE SHOWN FOR REFERENCE ONLY. DESIGN AND INSTALLATION OF FDCs SHALL BE PROVIDED BY OTHERS, AND SHALL BE WITHIN 50 FEET OF FHS.
- FIRE WATER SYSTEM
 - SIZE OF FIRE WATER SYSTEM: 12"
 - MINIMUM COVER FOR PIPE: 3 FEET FROM FG
 - PIPE MATERIALS:
 - UNDERGROUND PIPE SHALL BE ASTM D1784, AWWA C900 CLASS 305 (DR14) PVC PRESSURE PIPE.
 - ABOVE GROUND PIPE SHALL BE ANSI/AWWA STANDARD C104 DUCTILE IRON PIPE.
 - JOINTS & THRUST BLOCKS:
 - INSTALL BOTH OF THE 12" FW LINE BETWEEN (E) 12" WATER MAIN AND THE (N) DCDA WITH MECHANICAL RESTRAINING JOINT, SEE DETAIL 2 ON C904.
 - CONTRACTOR TO INSTALL MECHANICAL RESTRAINING JOINT PER DETAIL 1, 2 & 7 ON C904, AS NECESSARY.
 - IF SPACING DOES NOT PERMIT INSTALLATION OF RESTRAINING JOINT, CONTRACTOR TO INSTALL APPROPRIATE THRUST BLOCKS:
 - ABOVE BAY MUD, SEE DETAIL 6 ON C904
 - WITHIN BAY MUD, SEE DETAIL 4 & 5 ON C903
 - TESTING:
 - ALL NEW UNDERGROUND FIRE WATER PIPES SHALL BE INSTALLED AND PRESSURE TESTED PER NFPA 24. TEST SHALL INCLUDE 2 HOURS @ 200 PSI, WITNESSED BY THE INSPECTOR OF RECORD.
 - HYDRANTS AND UNDERGROUND PIPING SHALL BE FLUSHED PER TABLE 9-1-1 (NFPA 24) TO PRODUCE A PIPE VELOCITY OF 10 FPS. TEST SHALL BE WITNESSED BY THE INSPECTOR OF RECORD.
 - ALL FIRE WATER LINES SHALL BE STERILIZED BY CHLORINATION IN ACCORDANCE WITH AWWA STANDARD C651-99 AND AS SPECIFIED BY THE CITY OF REDWOOD CITY.
 - INSPECTION: ALL PIPING SYSTEM SHALL BE INSPECTED BY FIRE AUTHORITY HAVING JURISDICTION PRIOR TO BEING COVERED.
 - AIR RELEASE VALVES (ARV)/BLOW OFF VALVES (BOV) AND BOXES
 - ALL ARV AND BOV ARE SHOWN ON THE PLAN AND PROFILES SHEETS.
 - CONTRACTOR SHALL PLACE ARV OUTSIDE OF AC PAVEMENT, PREFERABLY BEHIND BACK OF WALK AND/OR LANDSCAPE AREA.
 - CONTRACTOR SHALL INSTALL ARV PER CITY OF REDWOOD CITY STANDARD DETAIL W-1.
 - CONTRACTOR SHALL INSTALL BOV PER CITY OF REDWOOD CITY STANDARD DETAILS W-2.
 - CONTRACTOR SHALL PROVIDE CATHODIC PROTECTION PER JDH CORROSION DESIGN PLANS & SPECIFICATIONS.
 - CONTRACTOR SHALL PROVIDE CATHODIC PROTECTION SYSTEM, REFER TO DRAWINGS VOL. 2.2 ENVIRONMENTAL GALVANIC CATHODIC PROTECTION AND SPECIFICATION SECTION 26 42 13 GALVANIC CATHODIC PROTECTION FOR UNDERGROUND PIPING.
- FOR FW PLAN AND PROFILE, SEE SHEETS C-837 THRU C-843.
- REFERENCE TO DESIGN-BUILD PLUMBING DRAWING PRIOR TO INSTALLATION, IF DISCREPANCIES, NOTIFY ENGINEER.
- ALL BENDS HORIZONTAL AND VERTICAL VALVES AND FITTINGS SHALL MEET THE MINIMUM LENGTH OF RESTRAINT ON EACH SIDE OF BEND VALVE OR FITTING PER CITY STANDARD DETAIL W-20B

E EN

(X) FIRE WATER ALIGNMENT X FW-X

REFERENCE



RFI 1464 St existing fire hydrant

FOR REFERENCE ONLY

4/7/2004 6:10:08 PM



Prepared For
SAN MATEO COUNTY

400 County Center
Redwood City, CA 94063

Contract No: 071923

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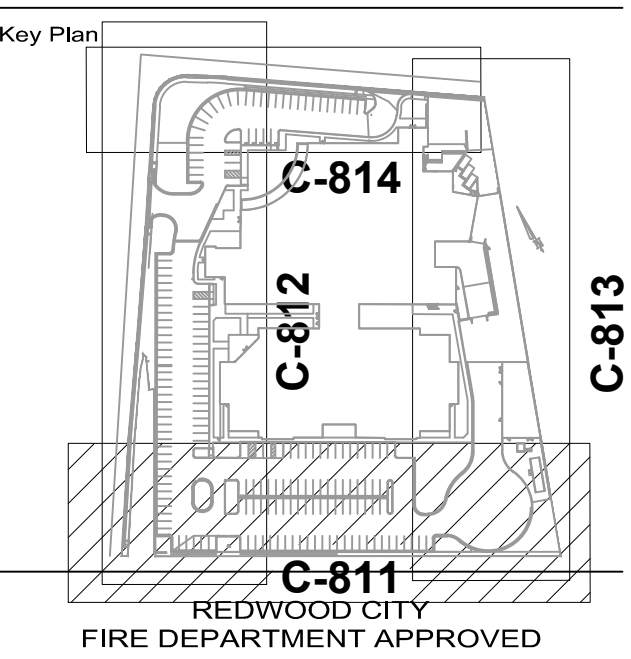
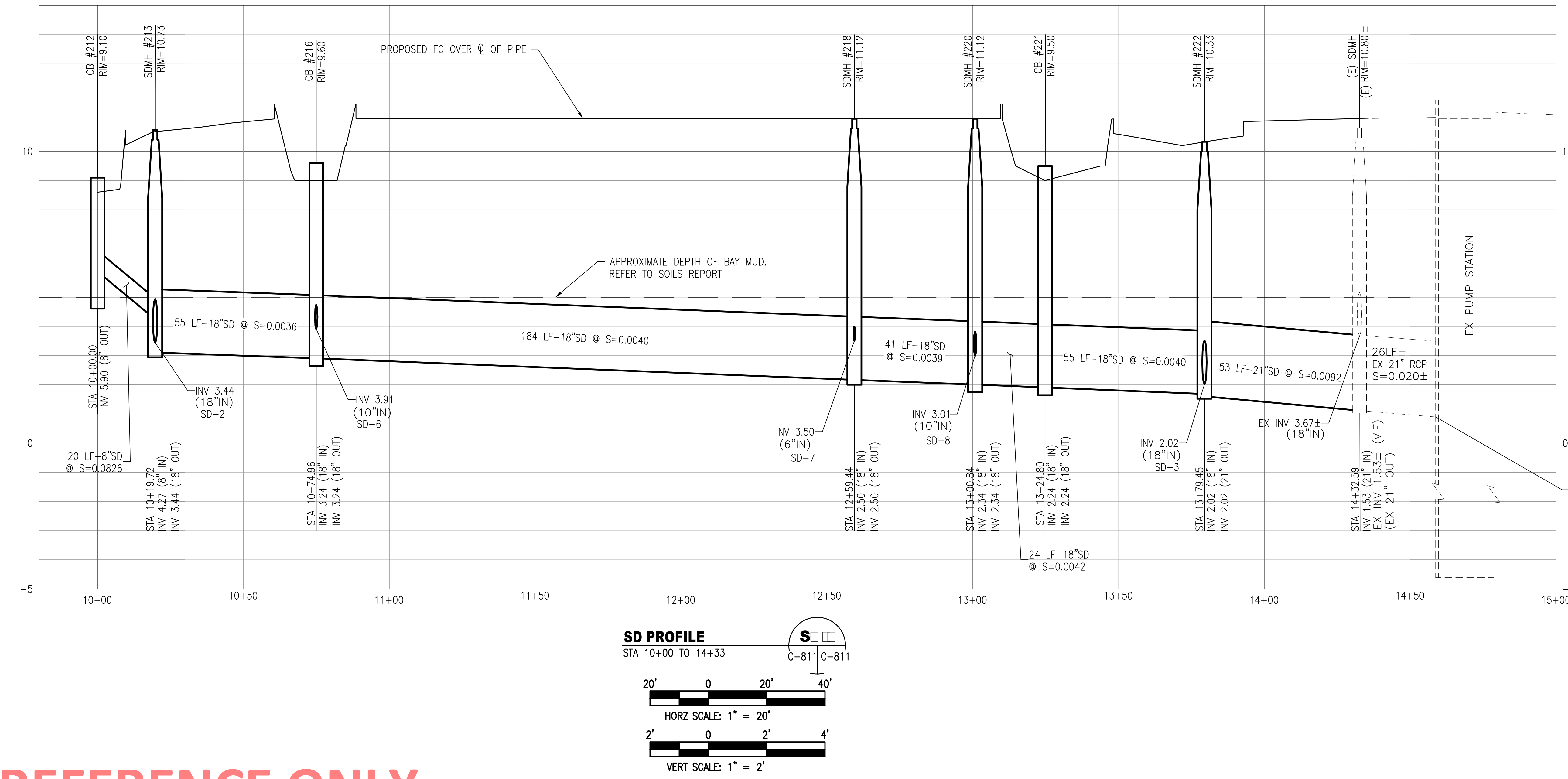
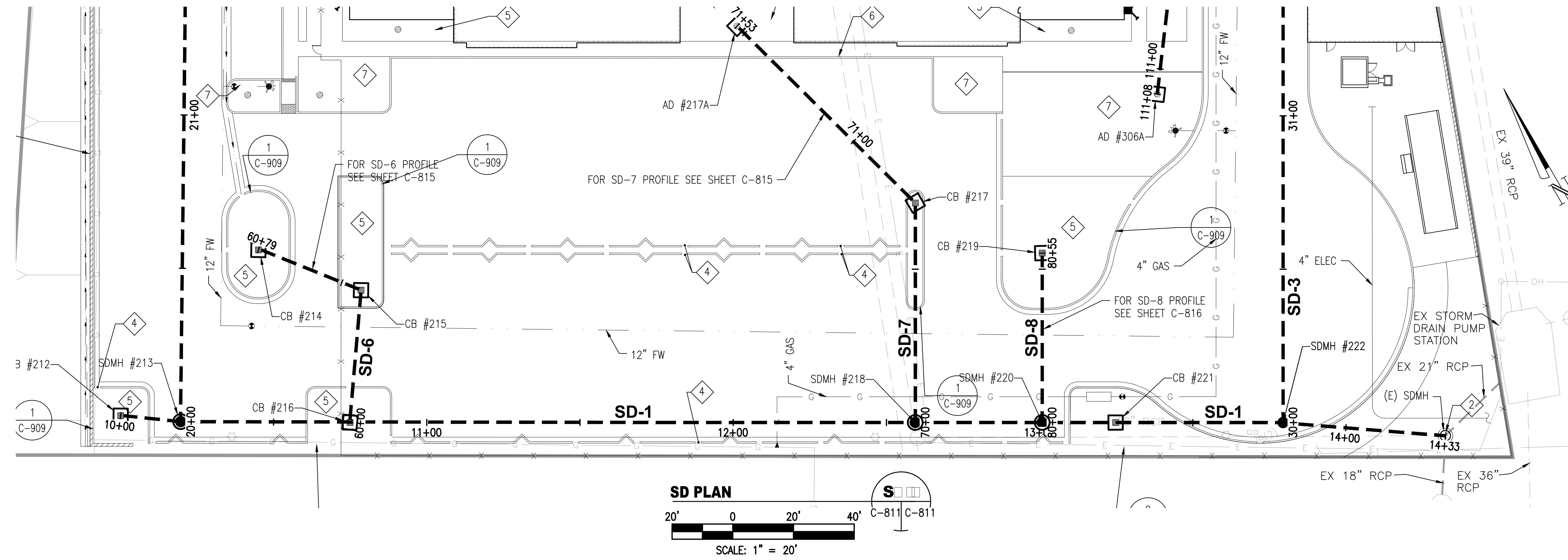
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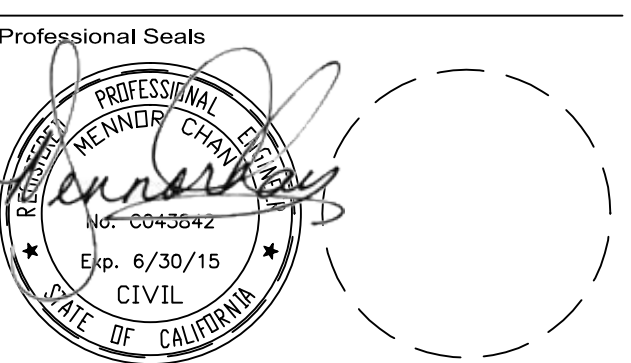
SHEET NOTES

- FOR ALL GENERAL NOTES, LEGEND AND ABBREVIATIONS, SEE C-001 AND C-002, RESPECTIVELY.
- FOR UTILITY STRUCTURES TABLE SEE C-702.



Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.

Reviewed by
CSFM File #: 40-41-44-0001
BSCC File #: 081-4925.01 & 081-4927.01



No.	Issue Description	YYYY-MM-DD
01	SITE UTILITY PERMIT PACKAGE	2013-06-12
02	BID PACKAGE #5	2013-10-08
03	SITE UTILITY PERMIT RESPONSE	2013-10-08
04	SITE UTILITY PERMIT RESPONSE #2	2013-10-08
05	SITE UTILITY PERMIT RESPONSE #3	2013-10-08
06	SITE UTILITIES COORDINATION	2013-11-18
07	SAC PERMIT W-PLAN CHECK RESP	2014-05-07

Drawn by: [Name] Reviewed by: [Name]
Project No: 12.04009.00

Sheet Title
**STORM DRAIN
PLAN & PROFILE
1 OF 9**

Original drawing is 42 x 30 Do not scale contents of this drawing
Sheet Number

C-811

FOR REFERENCE ONLY