Change Order

Project: **McKinley Modular Classroom Building**
McKinley Elementary School
2150 East 14th Street
San Leandro CA 94577

CO #: 1
Date: 4/21/20
Contract Date: December 11, 2019
DSA Application #: 01-118102
DSA File #: 01-35

Owner: **San Leandro Unified School District**
1145 Aladdin Ave
San Leandro, CA 94577

Contractor: **Jeff Luchetti Construction, Inc.**
70 Stony Point Road, Suite D
Santa Rosa, CA 95401

You are directed to make the following change(s) in this Contract:

Work Based Upon: See attached for more detail:

PCO #03 – Added cost to install additional asphalt play area and relocate basketball courts.

Proposed Adjustments

1. The proposed basis of adjustment to the Contract Amount:
   - X Lump Sum increase of: $86,855.52
   - ☐ Unit Price of $_____ per_____
   - ☐ Mutual acceptance of a lump sum properly itemized and supported by sufficient substantiating data to permit evaluation of cost, but Not To Exceed: $
   - ☐ As follows:

2. The Contract Time is proposed to remain unchanged / changed.

The work covered by this order shall be performed under the same terms and conditions as that of the original contract.

When signed by the Owner, Architect, and Construction Manager and received by the Contractor, this document becomes effective IMMEDIATELY as a Change Order (CO), and the Contractor shall proceed with the change(s) described above.
Contractor signature indicates agreement with the proposed adjustments in Contract Sum and Contract Time set forth in this CO.

Architect	Construction Manager	Owner	Contractor
WLC Architects **2600 Tenth Street, Suite #500** **Berkeley, CA 94710**	**RGM Kramer** **3230 Monument Way** **Concord, CA 94518**	**San Leandro USD** **1145 Aladdin Ave** **San Leandro, CA 94577**	**Jeff Luchetti Construction, Inc.** **70 Stony Road, Suite D** **Santa Rosa, CA 95401**
Name:_____	Name:_____	Name:_____	Name:_____
By:_____	By:_____	By:_____	By:_____
Date:_____	Date:_____	Date:_____	Date:_____

JL CONSTRUCTION

70 Stony Point Road, Suite D
Santa Rosa, CA 95401
Ph : (707) 527-5788
Fax: (707) 542-7718
Contractors License No.761270

Change Proposal

To: RGM Kramer, Inc.
14735 Juniper Street
San Leandro, CA 94579

Number: 003
Date: 4/22/20
Job: 1-19-1909 SL McKinley ES (JLC)
Phone:

Description: Added Asphalt Paving Per CCD #4

Reason: Change in Scope
Source: Budget

We are pleased to offer the following specifications and pricing to make the following changes:

Added costs associated with extending the asphalt paving area per CCD #4/ASI #004.

Description	Labor	Material	Equipment	Subcontract	Other	Price
Bay Cities Grading & Paving - 2/20/20 Proposal (Asphalt Work Only)				$78,460.27		$78,460.27
					Subtotal:	$78,460.27
		Fee for Labor, Material, Equipment				$0.00
			Fee for Subcontractors	$78,460.27	8.00%	$6,276.82
			Bond & Insurance	$84,737.09	2.50%	$2,118.43
					Total:	**$86,855.52**

The schedule will be TBD.

If you have any questions, please contact me at (707)527-5788.

Submitted by: Gavin Barquero
JL Construction, Inc.

Approved by: _____
Date: _____

Cc: Stephanie Madson (Jeff Luchetti Construction, Inc), Vic Vazquez (Jeff Luchetti Construction, Inc), Jason Lewicki (JL Construction, Inc.)

1909 - 001

CP #003

BAY CITIES PAVING AND GRADING
P.O. BOX 6227

CONCORD, CA 94524
Phone: 925 687-6666

02/20/20

JL CONSTRUCTION, INC.
70 STONY POINT RD
STE D
SANTA ROSA, CA 95401

MCKINLEY ES

Attention:
Project: 4042 / MCKINLEY ES
Reference: CCD #4 ADDED STORM DRAIN AND PAVING

Submitted Date: 02/20/20
Change Request #: 1003 ..... ~~$128,908.66~~

$78,460.27
Grading/AB/AC
Work Only

The impact of this change includes only those items which can be identified at this time. However, should it be determined at a later date that we are experiencing identifiable cost impacts or time delays beyond our control due to this scope change or because of multiple scope changes, delays, or other causes, we reserve the right to submit those costs and time extensions at that time.

If you have any other questions, please do not hesitate to contact this office.

Sincerely,

BAY CITIES PAVING AND GRADING

B01-RICH GODINA, Project Manager

2-100-100

02/20/2020 10:41
4042SD 4042 SD UTIL ADD
*** RICHARD

BID TOTALS

Biditem	Description	Status - Rnd	Quantity	Units	Unit Price	Bid Total
10	STORM DRAIN WET WELL AND PIPE		1.000	LS	50,448.39	50,448.39
20	GRADING/AB/AC		1.000	LS	78,460.27	78,460.27

Bid Total ========> $128,908.66

$78,460.27

Activity / Resource	Desc	Pcs	Quantity	Unit	Unit Cost	Labor	Perm Material	Constr Matl/Exp	Equip Ment	Sub-Contract	Total
BID ITEM = 10				Land Item	SCHEDULE: 1 100						
Description =	STORM DRAIN WET WELL AND PIPE				Unit = LS	Takeoff Quan:	1.000		Engr Quan:		1.000
311030	**INSTALL 10" TO 12" SD PLASTIC < 5' DEEP**				**Quan: 1.00 LS**	**Hrs/Shft: 8.00**			**WC: NONE**		**Unreviewed
310 LF OF ADDED PIPE INSTALL											
UNDSM	Underground - Small Crew		10.00	CH	**Prod: 1.2500 S**	Lab Pcs: 6.50			Eqp Pcs: 6.50		
8BH	Backhoe	1.00	10.00	HR	67.970				680		680
8EXC320	320 Excavator	0.50	5.00	HR	170.060				850		850
8LASER	Laser	1.00	10.00	HR	16.500				165		165
8PUT	Pick-Up Truck	1.00	10.00	HR	28.000				280		280
8THUMP	Thumper	1.00	10.00	HR	15.000				150		150
8UT	Utility Truck	1.00	10.00	HR	60.500				605		605
8WT	Water Truck (2000 Gal)	1.00	10.00	HR	67.420				674		674
F	Foreman	1.00	10.00	MH	114.230	1,142					1,142
GS	Gradesetter	1.00	10.00	MH	112.030	1,120					1,120
L	Laborer	3.00	30.00	MH	79.510	2,385					2,385
O	Operator	1.00	10.00	MH	112.030	1,120					1,120
OEXC	Excavator Operator	0.50	5.00	MH	112.030	560					560
$9,732.55	65.0000 MH/LS		65.00	MH	[6328.35]	6,328			3,404		9,733
620090	**OFFHAUL TRENCH SPOILS PIPE**				**Quan: 1.00 LS**	**Hrs/Shft: 8.00**			**WC: NONE**		**Unreviewed
310' X 2' X18" =930 CF/27= 34 CY											
5SUPER	Super Dump	1.00	2.00	LDS	395.000			790			790
631020	**BUY UG BACKEILL**				**Quan: 1.00 LS**	**Hrs/Shft: 8.00**			**WC: NONE**		**Unreviewed
200 LF X 20" X2' = 667 CF X 150LBS PER CF =100K/2000 = 50 TONS											
21A	AB2@109.75%	1.00	50.00	TON	5.500		302				302
631030	**HAUL UG BACKFILL**				**Quan: 1.00 LS**	**Hrs/Shft: 8.00**			**WC: NONE**		**Unreviewed
5SUPER	Super Dump	1.00	16.00	HR	120.000			1,920			1,920
410220	**PLACE/GRADE UG DRAIN ROCK PERF PIPE**				**Quan: 1.00 LS**	**Hrs/Shft: 8.00**			**WC: NONE**		**Unreviewed
PLFINE	Place/Grade Fines		4.00	CH	**Prod: 0.5000 S**	Lab Pcs: 4.00			Eqp Pcs: 2.00		
8BD	Backdrag, JD 210 Loade	1.00	4.00	HR	58.100				232		232
8PUT	Pick-Up Truck	1.00	4.00	HR	28.000				112		112
F	Foreman	1.00	4.00	MH	114.230	457					457
L	Laborer	2.00	8.00	MH	79.510	636					636
O	Operator	1.00	4.00	MH	112.030	448					448
$1,885.52	16.0000 MH/LS		16.00	MH	[1541.12]	1,541			344		1,886
631110	**BUY UG DRAIN ROCK**				**Quan: 1.00 LS**	**Hrs/Shft: 8.00**			**WC: NONE**		**Unreviewed
110LFX2'X1'=220 CF X150LBS PER CF=33K LBS/2000=16.5 TONS---PIPE 4X4X4=64 CF X 150LBS PER CF =9600LBS X3 28.8K/2000=14.4 TONS ---DRY WELLS											
21C	DRAIN ROCK@109.75%	1.00	20.00	TON	20.000		439				439
631120	**HAUL UG DRAIN ROCK**				**Quan: 1.00 LS**	**Hrs/Shft: 8.00**			**WC: NONE**		**Unreviewed
5SUPER	Super Dump	1.00	8.00	HR	120.000			960			960
651040	**BUY PERFORATED PIPE**				**Quan: 1.00 LS**	**Hrs/Shft: 8.00**			**WC: NONE**		**Unreviewed
2K1D10	10" SDR-35@109.75%	1.00	210.00	LF	10.580		2,438				2,438
2PERFPIPE	12" PERF PIPE @109.75%	1.00	110.00	LF	38.000		4,588				4,588
$7,025.98					[ ]		7,026				7,026

Activity / Resource	Desc	Pcs	Quantity	Unit	Unit Cost	Labor	Perm Material	Constr Matl/Exp	Equip Ment	Sub-Contract	Total
BID ITEM = 10				Land Item	SCHEDULE: 1 100						
Description =	STORM DRAIN WET WELL AND PIPE				Unit = LS	Takeoff Quan:	1.000		Engr Quan:		1.000
340020	**EXCAVATE UNDERGROUND STRUCTURE 5'-10'**				**Quan: 1.00 LS**	**Hrs/Shft: 8.00**			**WC: NONE**		
											**Unreviewed
PRECAM	Exc UG Struct - Med			8.00 CH	**Prod: 1.0000 S**			Lab Pcs: 3.00	Eqp Pcs:		3.00
8EXC320	320 Excavator	1.00	8.00 HR		170.060				1,360		1,360
8PUT	Pick-Up Truck	1.00	8.00 HR		28.000				224		224
8UT	Utility Truck	1.00	8.00 HR		60.500				484		484
F	Foreman	1.00	8.00 MH		114.230	914					914
L	Laborer	1.00	8.00 MH		79.510	636					636
OEXC	Excavator Operator	1.00	8.00 MH		112.030	896					896
$4,514.64	24.0000 MH/LS		24.00 MH		[2446.16]	2,446			2,068		4,515
620080	**OFFHAUL EXCESS MATL UG STRUCTURE**				**Quan: 1.00 LS**	**Hrs/Shft: 8.00**			**WC: NONE**		
											**Unreviewed
4X4X4=64 CF/27 = 2.3CY											
5SUPER	Super Dump	1.00	1.00 LD		395.000			395			395
340070	**CAST-IN-PLACE BOTTOMS**				**Quan: 1.00 LS**	**Hrs/Shft: 8.00**			**WC: NONE**		
											**Unreviewed
BH3W/T	Backhoe Crew - Sm -3 Lab &T			4.00 CH	**Prod: 0.5000 S**			Lab Pcs: 5.00	Eqp Pcs:		4.00
8BH	Backhoe	1.00	4.00 HR		67.970				272		272
8PUT	Pick-Up Truck	1.00	4.00 HR		28.000				112		112
8THUMP	Thumper	1.00	4.00 HR		15.000				60		60
8UT	Utility Truck	1.00	4.00 HR		60.500				242		242
F	Foreman	1.00	4.00 MH		114.230	457					457
L	Laborer	3.00	12.00 MH		79.510	954					954
O	Operator	1.00	4.00 MH		112.030	448					448
$2,545.04	20.0000 MH/LS		20.00 MH		[1859.16]	1,859			686		2,545
340040	**SET AND BACKFILL PRECAST UNDERGROUND**				**Quan: 1.00 LS**	**Hrs/Shft: 8.00**			**WC: NONE**		
											**Unreviewed
BH3W/T	Backhoe Crew - Sm -3 Lab &T			4.00 CH	**Prod: 0.5000 S**			Lab Pcs: 5.00	Eqp Pcs:		4.00
8BH	Backhoe	1.00	4.00 HR		67.970				272		272
8PUT	Pick-Up Truck	1.00	4.00 HR		28.000				112		112
8THUMP	Thumper	1.00	4.00 HR		15.000				60		60
8UT	Utility Truck	1.00	4.00 HR		60.500				242		242
F	Foreman	1.00	4.00 MH		114.230	457					457
L	Laborer	3.00	12.00 MH		79.510	954					954
O	Operator	1.00	4.00 MH		112.030	448					448
$2,545.04	20.0000 MH/LS		20.00 MH		[1859.16]	1,859			686		2,545
635020	**BUY AB CATCH BASIN**				**Quan: 1.00 LS**	**Hrs/Shft: 8.00**			**WC: NONE**		
											**Unreviewed
21A	AB2@109.75%	1.00	20.00 TON		6.000		132				132
635030	**HAUL AB CATCH BASIN**				**Quan: 1.00 LS**	**Hrs/Shft: 8.00**			**WC: NONE**		
											**Unreviewed
5SUPER	Super Dump	1.00	8.00 HR		120.000			960			960
640020	**BUY CONC (UG ONLY)**				**Quan: 1.00 LS**	**Hrs/Shft: 8.00**			**WC: NONE**		
											**Unreviewed
2CONC	CONCRETE@109.75%	1.00	9.00 CY		165.000		1,630				1,630
654020	**BUY PRECAST CB**				**Quan: 1.00 LS**	**Hrs/Shft: 8.00**			**WC: NONE**		
											**Unreviewed
2K2	MANHOLES/CATCH@10	1.00	3.00 EA		2,000.000		6,585				6,585
241020	**INSTALL FILTER FABRIC**				**Quan: 1.00 LS**	**Hrs/Shft: 8.00**		**Cal: 5-8**	**WC: NONE**		
											**Unreviewed

Activity / Resource	Desc	Pcs	Quantity	Unit	Unit Cost	Labor	Perm Material	Constr Matl/Exp	Equip Ment	Sub-Contract	Total
BID ITEM = 10				Land Item	SCHEDULE: 1 100						
Description =	STORM DRAIN WET WELL AND PIPE				Unit = LS	Takeoff Quan:	1.000		Engr Quan:		1.000
MISC	MISC CREW		4.00	CH	**Prod: 0.5000 S**			Lab Pcs:	3.00	Eqp Pcs:	2.00
8PUT	Pick-Up Truck	1.00	4.00	HR	28.000				112		112
8UT	Utility Truck	1.00	4.00	HR	60.500				242		242
F	Foreman	1.00	4.00	MH	114.230	457					457
L	Laborer	2.00	8.00	MH	79.510	636					636
$1,447.00	12.0000 MH/LS		12.00	MH	[1093]	1,093			354		1,447
660310	**BUY FABRIC**				**Quan: 1.00 LS**	**Hrs/Shft: 8.00**			**WC: NONE**		
											**Unreviewed
2FABRIC	BUY FABRIC@109.75%	1.00	2.00	ROLL	800.000		1,756				1,756
=====> **Item Totals:**	**10**	**- STORM DRAIN WET WELL AND PIPE**									
$45,564.07	157.0000 MH/LS		157.00	MH	[15126.95]	15,127	17,869	5,025	7,543		**45,564**
45,564.070	1 LS					15,126.95	17,869.28	5,025.00	7,542.84		45,564.07
BID ITEM = 20				Land Item	SCHEDULE: 1 100						
Description =	GRADING/AB/AC				Unit = LS	Takeoff Quan:	1.000		Engr Quan:		1.000
110010	**SITE STRIPPING**				**Quan: 1.00 LS**	**Hrs/Shft: 8.00**			**WC: NONE**		
											**Unreviewed
STRIP	Stripping Crew		4.00	CH	**Prod: 0.5000 S**			Lab Pcs:	3.00	Eqp Pcs:	4.00
8BH420	420 Backhoe	1.00	4.00	HR	67.970				272		272
8BL140	140 Blade	1.00	4.00	HR	111.160				445		445
8PUT	Pick-Up Truck	1.00	4.00	HR	28.000				112		112
8WTO	Water Truck Rental	1.00	4.00	HR	125.000				549		549
F	Foreman	1.00	4.00	MH	114.230	457					457
O	Operator	1.00	4.00	MH	112.030	448					448
OBL	Blade Operateor	1.00	4.00	MH	112.030	448					448
$2,730.43	12.0000 MH/LS		12.00	MH	[1353.16]	1,353			1,377		2,730
620060	**OFFHAUL STRIPPINGS**				**Quan: 1.00 LS**	**Hrs/Shft: 8.00**			**WC: NONE**		
											**Unreviewed
10000 sf x6" =5000cf/27=185 cy /9 =20 lds											
5SUPER	Super Dump	1.00	20.00	LDS	415.000			8,300			8,300
210010	**CUT TO OFFHAUL W/ SCRAPERS**				**Quan: 1.00 LS**	**Hrs/Shft: 8.00**			**WC: NONE**		
											**Unreviewed
CFDIRT	Cut to Fill Crew		4.00	CH	**Prod: 0.5000 S**			Lab Pcs:	6.00	Eqp Pcs:	8.00
8BL14	14 Blade	1.00	4.00	HR	172.840				691		691
8COMP815	815 Compactor	1.00	4.00	HR	159.390				638		638
8LASER	Laser	1.00	4.00	HR	16.500				66		66
8PUT	Pick-Up Truck	2.00	8.00	HR	28.000				224		224
8SCR627	627 Scraper	2.00	8.00	HR	285.060				2,280		2,280
8WTO	Water Truck Rental	1.00	4.00	HR	125.000				549		549
F	Foreman	1.00	4.00	MH	114.230	457					457
GS	Gradesetter	1.00	4.00	MH	112.030	448					448
O	Operator	3.00	12.00	MH	112.030	1,344					1,344
OBL	Blade Operateor	1.00	4.00	MH	112.030	448					448
$7,145.67	24.0000 MH/LS		24.00	MH	[2697.52]	2,698			4,448		7,146
620080	**OFFHAUL EXCESS MATL**				**Quan: 1.00 LS**	**Hrs/Shft: 8.00**			**WC: NONE**		
											**Unreviewed
224 cy of offhaul / 9 yds per SD= 25 lds											
5SUPER	Super Dump	1.00	25.00	LDS	385.000			9,625			9,625

Activity / Resource	Desc	Pcs	Quantity	Unit	Unit Cost	Labor	Perm Material	Constr Matl/Exp	Equip Ment	Sub-Contract	Total
BID ITEM = 20				Land Item	SCHEDULE: 1 100						
Description =	GRADING/AB/AC			Unit =	LS Takeoff Quan: 1.000				Engr Quan:		1.000
240050	**SUBGRADE CURB & GUTTER**				**Quan: 1.00 LS Hrs/Shft: 8.00**				**WC: NONE**		
											**Unreviewed
AB/CG	AB for Curb & Gutter		4.00	CH	**Prod: 0.5000 S**			Lab Pcs: 5.00	Eqp Pcs:		6.00
8BH420	420 Backhoe	1.00	4.00	HR	67.970				272		272
8LASER	Laser	1.00	4.00	HR	16.500				66		66
8PUT	Pick-Up Truck	2.00	8.00	HR	28.000				224		224
8VIB	Vibraplate	1.00	4.00	HR	16.500				66		66
8WT	Water Truck (2000 Gal)	1.00	4.00	HR	67.420				270		270
F	Foreman	1.00	4.00	MH	114.230	457					457
GS	Gradesetter	1.00	4.00	MH	112.030	448					448
L	Laborer	2.00	8.00	MH	79.510	636					636
O	Operator	1.00	4.00	MH	112.030	448					448
$2,886.80	20.0000 MH/LS		20.00	MH	[1989.24]	1,989			898		2,887
240020	**SUBGRADE PARKING LOT**				**Quan: 1.00 LS Hrs/Shft: 8.00**				**WC: NONE**		
											**Unreviewed
ABPARK	AB for Parking Lot		4.00	CH	**Prod: 0.5000 S**			Lab Pcs: 6.00	Eqp Pcs:		8.00
8BD	Backdrag, JD 210 Loade	1.00	4.00	HR	58.100				232		232
8BL140	140 Blade	1.00	4.00	HR	111.160				445		445
8LASER	Laser	1.00	4.00	HR	16.500				66		66
8PUT	Pick-Up Truck	2.00	8.00	HR	28.000				224		224
8ROLLSDR66S	66" Single Roller Vib	1.00	4.00	HR	95.000				380		380
8SWEEP	Sweeper - Rental	1.00	4.00	HR	165.000				660		660
8WTO	Water Truck Rental	1.00	4.00	HR	125.000				549		549
F	Foreman	1.00	4.00	MH	114.230	457					457
GS	Gradesetter	1.00	4.00	MH	112.030	448					448
L	Laborer	2.00	8.00	MH	79.510	636					636
O	Operator	1.00	4.00	MH	112.030	448					448
OBL	Blade Operateor	1.00	4.00	MH	112.030	448					448
$4,993.15	24.0000 MH/LS		24.00	MH	[2437.36]	2,437			2,556		4,993
410040	**PLACE/GRADE AB**				**Quan: 1.00 LS Hrs/Shft: 8.00**				**WC: NONE**		
											**Unreviewed
AB/AC	AB/LARGE		4.00	CH	**Prod: 0.5000 S**			Lab Pcs: 7.00	Eqp Pcs:		9.00
8BD	Backdrag, JD 210 Loade	1.00	4.00	HR	58.100				232		232
8BL14	14 Blade	1.00	4.00	HR	172.840				691		691
8LASER	Laser	1.00	4.00	HR	16.500				66		66
8PUT	Pick-Up Truck	2.00	8.00	HR	28.000				224		224
8ROLLSDR84S	84" Single Roller Vib	1.00	4.00	HR	120.000				480		480
8SCR615	615C Scraper	1.00	4.00	HR	203.500				814		814
8SWEEP	Sweeper - Rental	1.00	4.00	HR	165.000				660		660
8WTO	Water Truck Rental	1.00	4.00	HR	125.000				549		549
F	Foreman	1.00	4.00	MH	114.230	457					457
GS	Gradesetter	1.00	4.00	MH	112.030	448					448
L	Laborer	1.00	4.00	MH	79.510	318					318
O	Operator	3.00	12.00	MH	112.030	1,344					1,344
OBL	Blade Operateor	1.00	4.00	MH	112.030	448					448
$6,732.07	28.0000 MH/LS		28.00	MH	[3015.56]	3,016			3,717		6,732
635020	**BUY AB**				**Quan: 1.00 LS Hrs/Shft: 8.00**				**WC: NONE**		
											**Unreviewed
21A	AB2@109.75%	1.00	586.00	TON	6.000		3,859				3,859
635030	**HAUL AB**				**Quan: 1.00 LS Hrs/Shft: 8.00**				**WC: NONE**		
											**Unreviewed
782 ton /15 tons per super dump = 52 loads x 1.5 hr cycle time 78.2 hrs											
5SUPER	Super Dump	1.00	40.00	HR	110.000			4,400			4,400

Activity / Resource	Desc	Pcs	Quantity	Unit	Unit Cost	Labor	Perm Material	Constr Matl/Exp	Equip Ment	Sub-Contract	Total
BID ITEM = 20				Land Item	SCHEDULE: 1 100						
Description = GRADING/AB/AC					Unit = LS Takeoff Quan: 1.000				Engr Quan:		1.000
420040	**PLACE AC PARKING LOT**				**Quan: 1.00 LS**	**Hrs/Shft: 8.00**		**Cal: 5-8**	**WC: NONE**		
											**Unreviewed
PAVE-P	Parking Lot Paving		4.00	CH	**Prod: 0.5000 S**			Lab Pcs: 9.00	Eqp Pcs:		6.00
8ACROLLS	Asphalt Roller 55" DD	1.00	4.00	HR	67.320				269		269
8BD	Backdrag, JD 210 Loade	1.00	4.00	HR	58.100				232		232
8PAVERSM	Paver CAT AP655 (8'- 1	1.00	4.00	HR	250.000				1,000		1,000
8PT	Paving Truck	1.00	4.00	HR	60.500				242		242
8PUT	Pick-Up Truck	2.00	8.00	HR	28.000				224		224
F	Foreman	1.00	4.00	MH	114.230	457					457
LR	Raker	4.00	16.00	MH	79.510	1,272					1,272
O	Operator	2.00	8.00	MH	112.030	896					896
OP	Paver Operator	2.00	8.00	MH	112.030	896					896
$5,489.24	36.0000 MH/LS		36.00	MH	[3521.56]	3,522			1,968		5,489
636020	**BUY AC**				**Quan: 1.00 LS**	**Hrs/Shft: 8.00**			**WC: NONE**		
											**Unreviewed
22A12	1/2" HMA@109.75%	1.00	178.00	TON	64.000		12,503				12,503
636030	**HAUL AC**				**Quan: 1.00 LS**	**Hrs/Shft: 8.00**			**WC: NONE**		
											**Unreviewed
5SUPER	Super Dump	1.00	20.00	HR	110.000			2,200			2,200
=====> Item Totals: 20 - GRADING/AB/AC											
$70,863.89	144.0000 MH/LS		144.00	MH	[15014.4]	15,014	16,362	24,525	14,963		**70,864**
70,863.890	1 LS					15,014.40	16,361.53	24,525.00	14,962.96		70,863.89
$116,427.96	***** Report Totals *****		301.00	MH		30,141	34,231	29,550	22,506		**116,428**

>>> indicates Non Additive Activity

------Report Notes:------

The estimate was prepared with TAKEOFF Quantities.
This report shows TAKEOFF Quantities with the resources.

"Unreviewed" Activities are marked.

Bid Date: Owner: Engineering Firm:
Estimator-In-Charge:

JOB NOTES

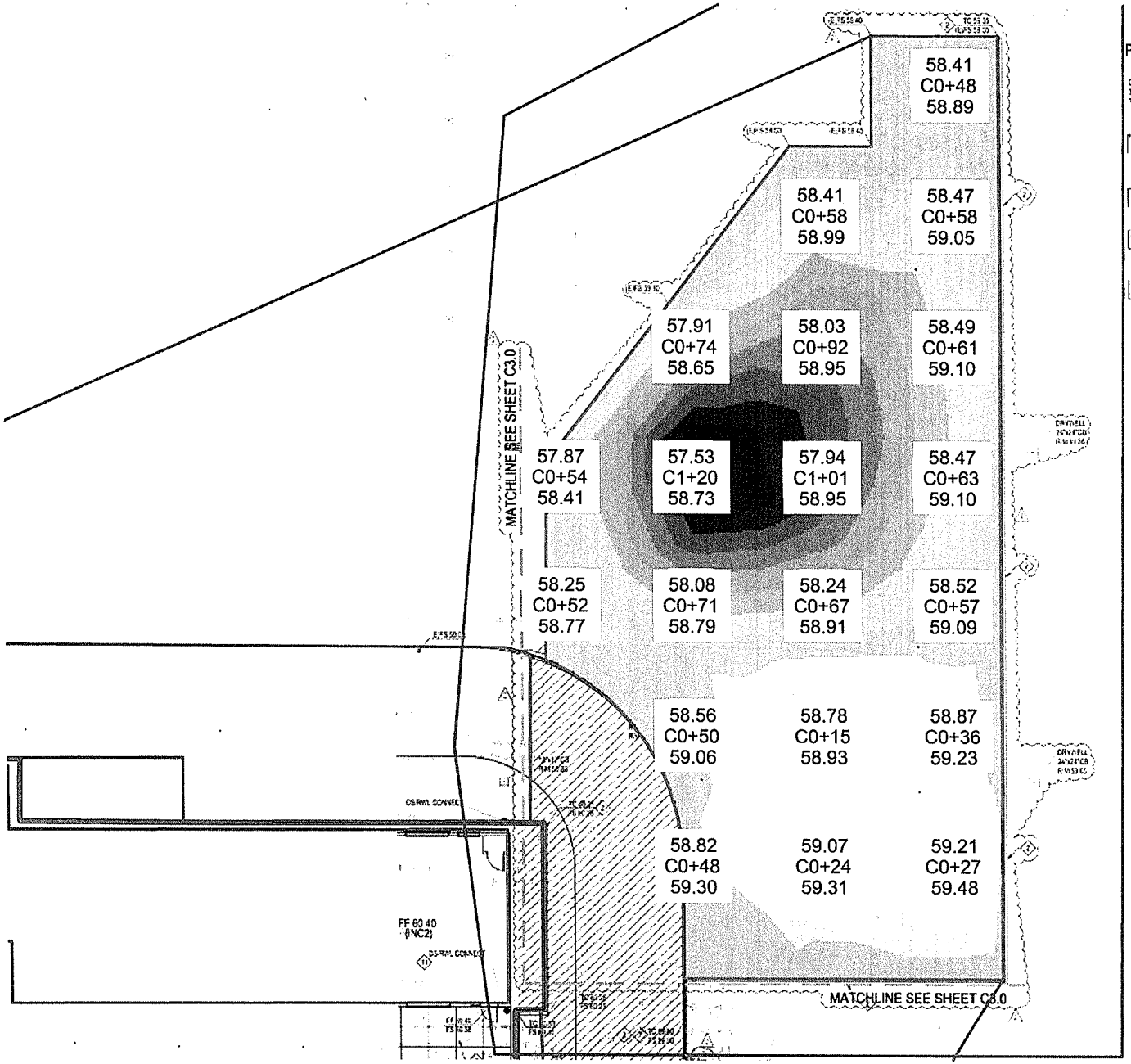
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Estimate created on: 06/20/2014 by User#: 3 -
Source estimate used: \\FILESRV\SHARED\HEAVYBID\EST\ESTMAST

***********Estimate created on: 02/13/2020 by User#: 11 - RICHARD
Source estimate used: W:\EST\BCPCCO
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* on units of MH indicate average labor unit cost was used rather than base rate.
[ ] in the Unit Cost Column = Labor Unit Cost Without Labor Burdens
In equipment resources, rent % and EOE % not = 100% are represented as XXX%YYY where XXX=Rent% and YYY=EOE%

------Calendar Codes------

5-8 5 DAY - 8 HOUR DAYS



PAVEMENT LEGEND

CONCRETE PAVEMENT SURFACES TO HAVE 28 DAY COMPRESSIVE STRENGTH OF AT LEAST 3,200 PSI. CONCRETE PAVING IN VEH CULAR TRAVEL AREA TO EXCEED ADTT (AVERAGE DAILY TRUCK TRAFFIC) OF 1

	SIDEWALK CONCRETE	6 X 12' O.C. E W OVER 6" CLASS 2 BASEROCK COMPACTED TO 90% R.C. OVER NATIVE SOILS COMPACTED TO 90% R.C. CONCRETE THICKNESS PER DETAIL 4 ON 1
	AC PAVEMENT	3" AC PAVEMENT OVER 12" CLASS 2 BASEROCK COMPACTED TO 95% R.C. OVER 90% R.C. COMPACTED NATIVE SOILS
	VEH CULAR AC (FIRE TRUCK)	4.5" AC PAVEMENT OVER 16" CLASS 2 BASEROCK COMPACTED TO 95% R.C. OVER 90% R.C. COMPACTED NATIVE SOILS
	LANDSCAPE AREA	

GRADING LEGEND

XX.XX	GRADE ELEVATION
2%	SLOPE AND DIRECTION

GRADING KEYNOTES

1. INSTALL NEW 6" CURB, SEE DETAIL 1 C
2. INSTALL NEW FLUSH CURB, SEE DETA
3. NEW CONCRETE WHEEL STOP SEE D
4. INSTALL NEW CONCRETE PAVEMENT
5. INSTALL PIPE BOLLARDS, SEE DETAIL
6. INSTALL AC AT NEW CURB, SEE DETA
7. INSTALL NEW REDWOOD HEADER, SE BID ALTERNATE)
8. INSTALL NEW THRU CURB DRAIN, SEE
9. INSTALL NEW OVER GUTTER, SEE DET
10. SEE STRUCTURAL PLAN FOR CONCRE
11. SEE UTILITY PLANS AND DETAILS FOR PLANTER CONSTRUCTION
12. INSTALL NEW FENCE, SEE ARCH PLAN

ARCHITECT'S SUPPLEMENTAL INSTRUCTIONS

Owner	X	A. Kerrigan, San Leandro Unified School District
Architect	X	K. MacQuarrie/O. Eslava, WLC Architects, Inc.
C.M.	X	R. Greene, RGM KRAMER Inc.
Contractor	X	S. Madson, JL Modular
IOR	x	J. Zalinski, Inspector
Other		

PROJECT:
McKinley Elementary School Portable Replacements
2150 E. 14th Street
San Leandro, CA 94577

ARCHITECT'S SUPPLEMENTAL INSTRUCTION NO.: 004

DATE OF ISSUANCE: January 24, 2020

OWNER: San Leandro Unified School District
835 E. 14th Street, Suite 200
San Leandro, CA 94577

ARCHITECT: WLC Architects, Inc.

ARCHITECT'S PROJECT NO.: 1816200.53

TO: JL Modular
70 Stony Point Road, Suite D
Santa Rosa, CA 94501

CONTRACT FOR: Portable Replacement

The Work shall be carried out in accordance with the following supplemental instructions issued in accordance with the Contract Documents without change in Contract Sum or Contract Time. Proceeding with the Work in accordance with these instructions indicates your acknowledgment that the work is consistent with the Contract Documents and there will be no change in the Contract Sum or Contract Time.

DESCRIPTION:

See attached Category B, CCD 004.

ATTACHMENTS:

Category B, CCD 004

ISSUED BY:

WLC Architects, Inc.

ARCHITECT

BY:

KEVIN A. MacQUARRIE

Architect, AIA, Chairman of the Board, Principal

KAM:OE:jg/P51816200x4-asi

DSA **140**

APPLICATION FOR SUBMITTAL OF POST-APPROVAL DOCUMENT

This application is for submittal of documents, after the initial approval of the project (post-approval documents), that require Division of the State Architect (DSA) review and approval.This form shall be completed by the Design Professional in General Responsible Charge of the project, in accordance with California Code of Regulations, Title 24, Part 1, Sections 4-317, 4-323 and 4-338 and in compliance with DSA IR A-6: Construction Change Document Submittal and Approval Process.

DSA documents referenced within this form are available on the DSA Forms or DSA Publications webpages.

1. SUBMITTAL TYPE: (Is this a resubmittal? Yes ☐ No ☑)

Deferred Submittal ☐	Addendum Number:	Revision Number:	CCD Number: 004	Category A ☐ or B ☑

2. PROJECT INFORMATION:

School District/Owner: San Leandro Unified School District	DSA File Number: 1 35
Project Name/School: McKinley Elementary School Portable Replacements - Inc. 1	DSA Application Number 01 118102

3. APPLICANT INFORMATION:

Date Submitted: 01/24/20	Attached Pages? No ☐ Yes ☑ Number of pages? 7		
Firm Name: WLC Architects, Inc.	Contact Name: Omar Eslava		
Work Email: oeslava@wlcarchitects.com, vperez@wlcarchitects.com AdminServices-BA@wlcarchitects.com	Work Phone: (510) 450-1999		
Firm Address: 2600 Tenth Street, Suite 500	City: Berkeley	State: CA	Zip Code: 94710

4. REASON FOR SUBMITTAL: (Check applicable boxes)

☐ For revision or addendum prior to construction.

☑ For a project currently under construction.

☐ For a project that has a form *DSA 301-N: Notification of Requirement for Certification, DSA 301-P: Posted Notification of Requirement for Certification* or a 90-Day Letter issued.

☐ To obtain DSA approval of an existing uncertified building or buildings.

☐ For Category B CCD this is: ☐ a voluntary submittal, ☐ a DSA required submittal (attach DSA notice requiring submission).

5. DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE:

Name of the Design Professional In General Responsible Charge: Kevin A. MacQuarrie

Professional License Number: C25998 | Discipline: Architect

Design Professional in General Responsible Charge Statement: The attached post-approval documents have been examined by me for design intent and appear to meet the appropriate requirements of Title 24, California Code of Regulations and the project specifications. They are acceptable for incorporation into the construction of the project.

Signature: _____

DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE

6. CONFIRMATION, DESCRIPTION AND LISTING OF DOCUMENTS:

For addenda, revisions, or CCDs: CHECK THIS BOX ☑ to confirm that *all* post-approval documents have been stamped and signed by the Responsible Design Professional listed on form *DSA 1: Application for Approval of Plans and Specifications* for this project. (For *Deferred Submittals*, refer to *IR A-18: Use of Construction Documents Prepared by Other Professionals,* and *IR A-19: Design Professional's Signature and Seal (Stamp) on Construction Documents*, when applicable, for signature and seal requirements.)

Provide a brief description of construction scope for this post-approval document (attach additional sheets if needed):

Provide and install labor and materials to extend the asphalt paving area and relocate the storm drain piping and dry wells as noted in the attached Drawings CCD004-A1.1, CCD004-C2.0, CCD004-C3.0, CCD004-C3.1, CCD004-C4.0, CCD004-C4.1, and CCD004-C6.2 with Delta 2 revision bubbles.

List of DSA-approved drawings affected by this post-approval document:

A1.1, C2.0, C3.0, C4.0, C6.2

DSA USE ONLY

SSS_____Date_____ ☐Approved ☐Disapproved ☐Not Required

Comments:_____

FLS_____Date_____ ☐Approved ☐Disapproved ☐Not Required

Comments:_____

ACS_____Date_____ ☐Approved ☐Disapproved ☐Not Required

Comments:_____

Returned	DSA STAMP
Date:	
By:	

LEGEND

- (N) CHAIN LINK FENCE
- (E) CLASSROOM BUILDINGS
- FIRE DEPT. ACCESS 20'-0" WIDE AND RATED FOR 96,000 LBS
- ASSUMED PROPERTY LINE
- LIGHT POST
- FIRE HYDRANT
- (N) ASPHALT

REFERENCE NOTE

KEYNOTE LEGEND

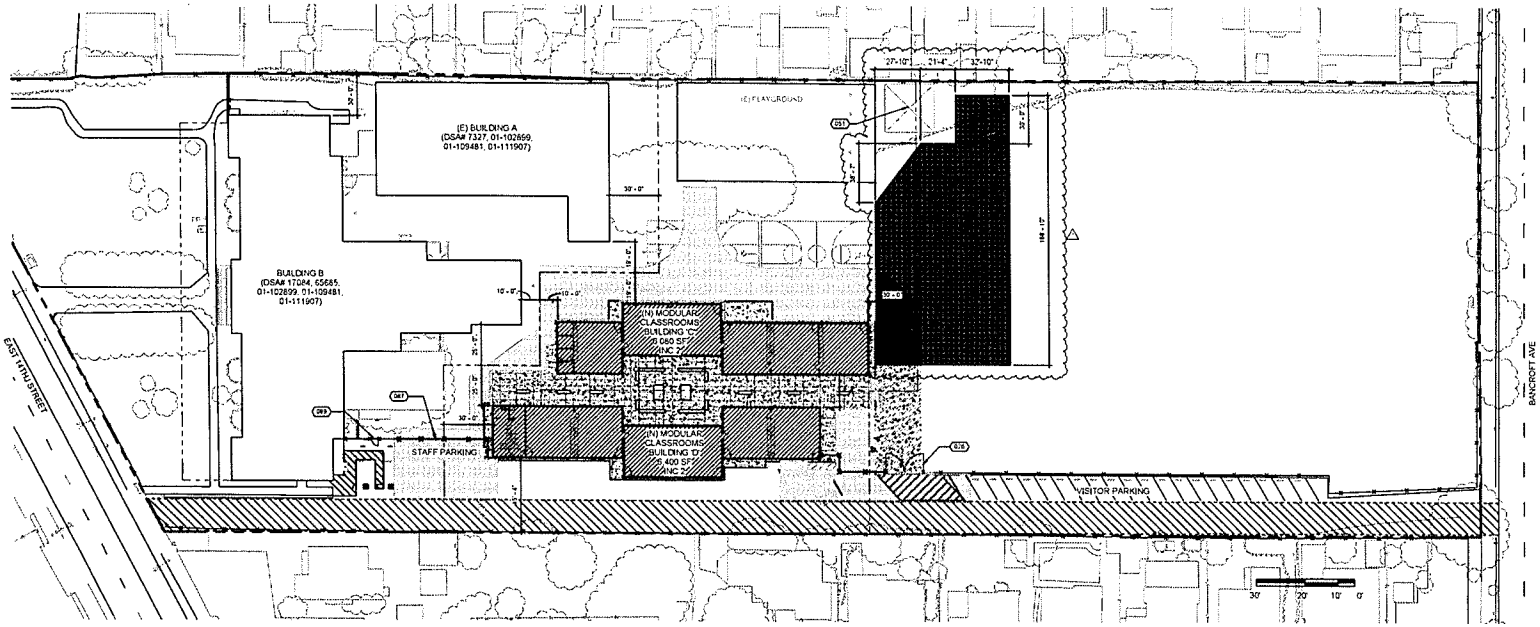
KEYNOTE	DESCRIPTION
026	(N) FIRE ACCESS GATE
051	(E) 30'x 30' SHADE STRUCTURE (DSA# 01-113184, FILE # 1-35
067	(N) CHAIN LINK FENCE SEE DETAIL _SHT_2
069	(N) ACCESS PEDESTRIAN GATE

SHEET NOTES

1.- FOR SITE UTILITIES CONNECTIONS TO MODULAR BUILDING, SEE CIVIL DRAWINGS.

2.- FOR CONCRETE & ASPHALT PAVINGS, SEE CIVIL & LANDSCAPE DRAWINGS.

3.- FOR MODULAR CLASSROOM BUILDINGS, SEE MODULAR MANUFACTURER PC DRAWINGS, (INC.2)



SITE PLAN | 1" = 30'-0" | 1

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CALIFORNIA 94710-2597
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MCKINLEY ELEMENTARY SCHOOL
PORTABLE REPLACEMENTS-INCREMENT 1

SAN LEANDRO UNIFIED SCHOOL DITSTRICT

2150 E 14TH SREET SAN LEANDRO CA, 94577

CONSULTANT

NO	DATE	BY	DESCRIPTION
1	1-17-20		CCD04

REVISIONS

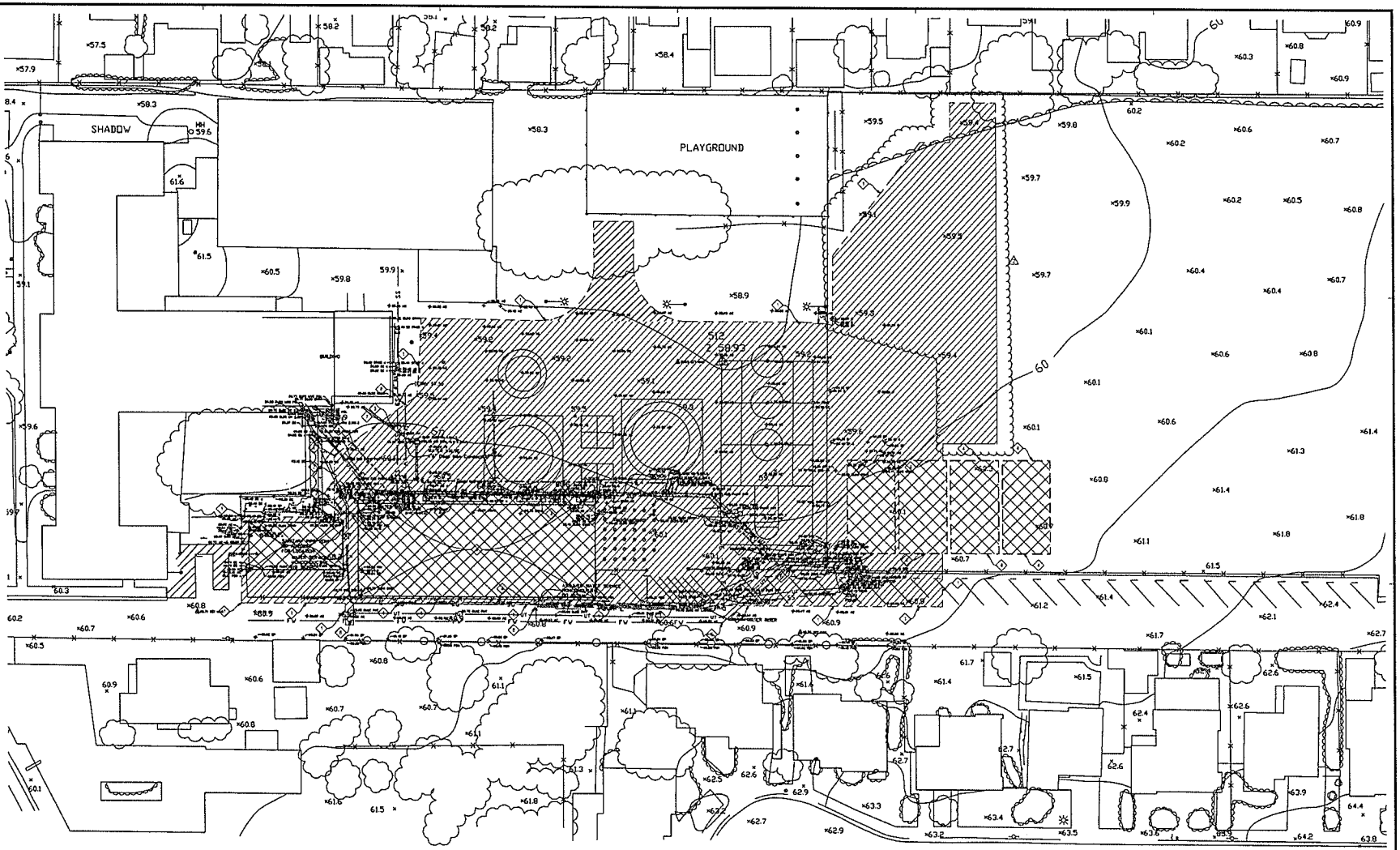
DRAWN: VP | CHECKED: OE

DATE: 03/27/19 | SCALE: As indicated

PROJECT NUMBER: 1816200

SITE PLAN

DRAWING NUMBER:
CCD.04-A1.1



DEMOLITION LEGEND

- TREE TO BE REMOVED, SEE LANDSCAPE PLANS.
- DEMOLITION AREA - ALL SITE FEATURES WITHIN THIS AREA ARE TO BE REMOVED UNLESS NOTED TO REMAIN.
- EXISTING BUILDING STRUCTURE TO BE RELOCATED
- REMOVE DRY UTILITY

DEMOLITION KEYNOTES

1. SAW-CUT AND CONFORM.
2. WATER LINE TO REMAIN.
3. INSTALL JUNCTION BOX AT DRY UTILITY CONNECTION.
4. PORTABLES TO BE REMOVED PER ARCHITECTURAL PLAN. SEE GRADING AND PAVEMENT PLAN FOR COORDINATION.
5. EXISTING SANITARY PUMP VAULT AND PIPING TO PUMP VAULT TO BE REMOVED.
6. EXISTING FIRE HYDRANT. FIRE SERVICE LINE TO REMAIN. PROTECT IN PLACE.
7. EXISTING GAS SERVICE LINE TO BE REMOVED. INSTALL SHUT GAS VALVE OUTSIDE OF DEMOLITION AREA AND BUILDING FOUNDATION. (NCE).
8. EXISTING WATER LINE UNKNOWN. INSTALL WATER VALVE AT UNKNOWN WATER LINE. SEE UTILITY PLAN FOR COORDINATION. RELOCATE WATER LINE TO BE OUTSIDE STRUCTURAL FOOTINGS. (2ND ALTERNATE - CAP EXISTING WATER LINE)
9. EXISTING SANITARY SEWER TO REMAIN AND USE FOR NEW CONNECTION. SEE SHEET C4.0 MORE INFORMATION.

DEMOLITION NOTES

1. SEE ELECTRICAL PLANS FOR REMOVAL OR RELOCATION OF ALL ELECTRICAL CONDUITS, BOXES, LINE ETC.
2. SEE UTILITY PLAN FOR ALL NEW TIE-IN LOCATIONS AND ANY INSTANCES OF STORM, SANITARY SEWER, OR WATER BEING RELOCATED AS EXISTING UTILITIES NOT BEING USED ARE TO BE REMOVED.
3. ALL EXISTING SERVICES AND UTILITIES THAT ARE TO REMAIN OPERATIONAL SHALL BE RELOCATED AS NECESSARY.
4. ALL TREES THAT ARE TO REMAIN SHALL BE PROTECTED DURING CONSTRUCTION.

SCALE: 1" = 20'

DISCLAIMER: TOPOGRAPHIC INFORMATION, INCLUDING PROPERTY LINES, EASEMENTS, EXISTING GRADES, EXISTING UTILITIES LOCATIONS, ETC., SHOWN ARE FOR GENERAL REFERENCE ONLY AND HAVE BEEN PROVIDED BY OTHERS AND HAS NOT BEEN INDEPENDENTLY VERIFIED BY HOHBACH-LEWIN, INC.

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MCKINLEY ELEMENTARY SCHOOL
PORTABLE REPLACEMENTS-INCREMENT 1

SAN LEANDRO UNIFIED SCHOOL DITSTRICT

2150 E 14TH SREET SAN LEANDRO CA, 94577

CONSULTANT

HOHBACH-LEWIN, INC.

REVISION SCHEDULE			
NO.	DATE	BY	DESCRIPTION
	05/27/2019		DSA V2 UPLOAD
	07/09/2019		DSA V3 BACKCHECK
1	12/19/2019		CCD01
2	01/22/2020		CCD04

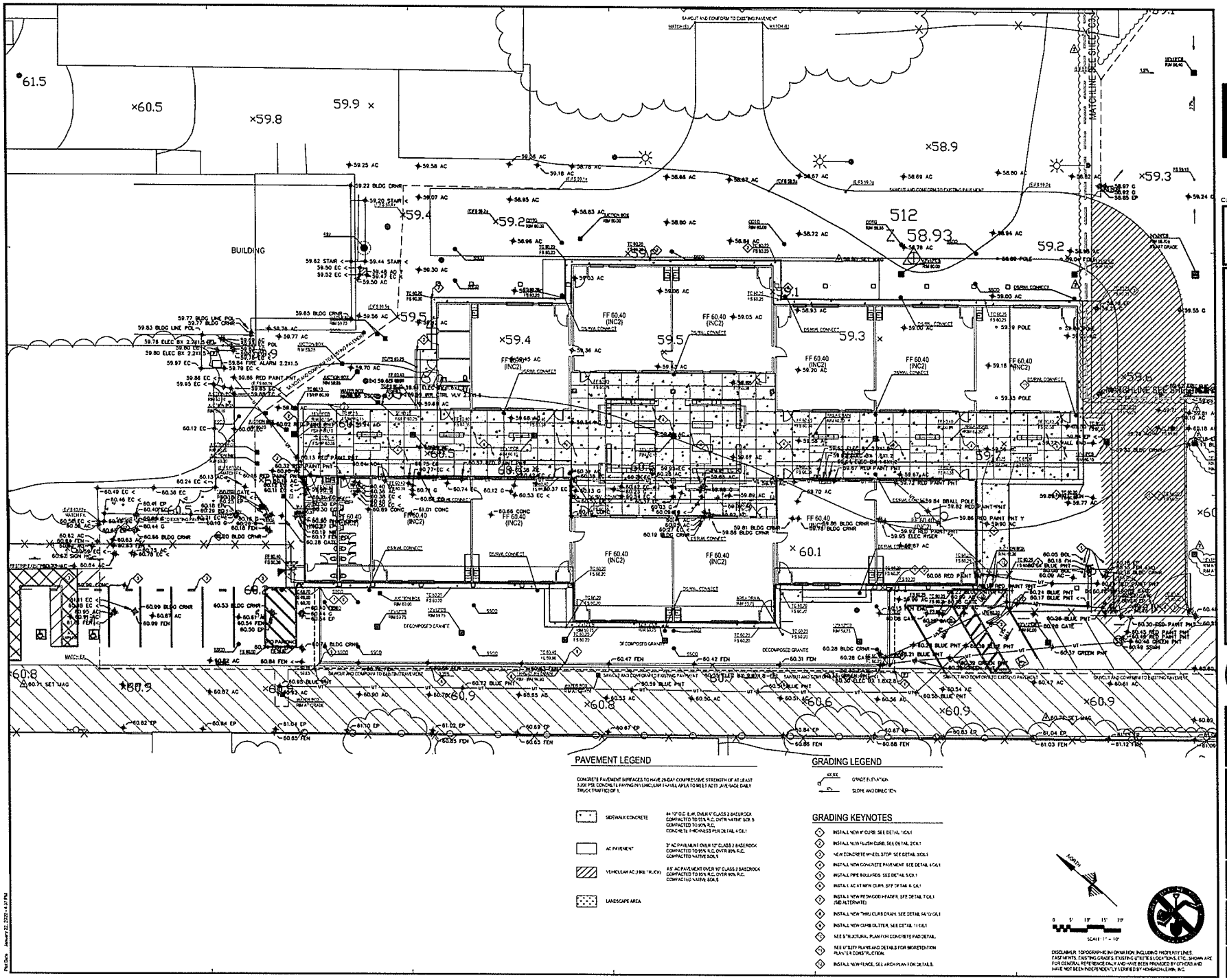
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DATE: 03/27/2019	SCALE: AS SHOWN
PROJECT NUMBER: 1816200	

DEMOLITION PLAN

DRAWING NUMBER: CCD004-C2.0

HOHBACH-LEWIN #12941.31 (42)

PLOT DATE: JANUARY 22, 2020 - 1:29 PM



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HOHBACH-LEWIN, INC.

REVISION SCHEDULE			
NO	DATE	BY	DESCRIPTION
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	11/09/2019		DSA V2 BACKCHECK
1	11/19/2019		CCD01
2	01/22/2020		CCD04

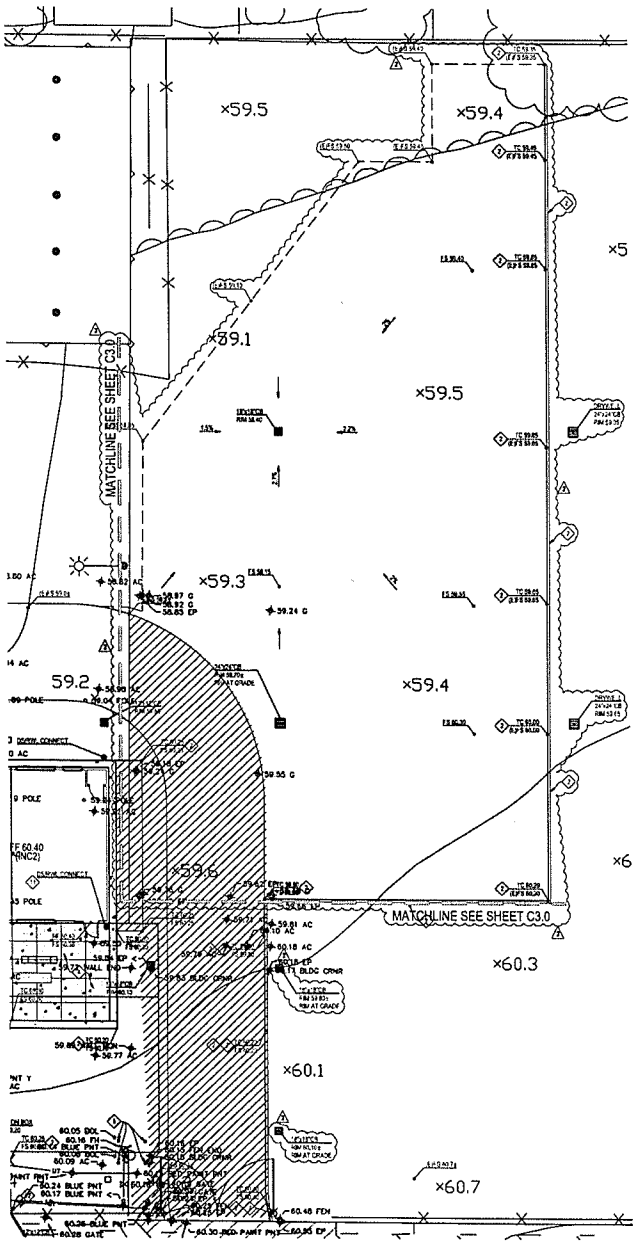
DRAWN: CDC, VAB	CHECKED: BJH
DATE: 03/27/2019	SCALE: AS SHOWN
PROJECT NUMBER: 1818200	

GRADING, DRAINAGE AND PAVEMENT PLAN

DRAWING NUMBER: CCD004-C3.0

HOHBACH-LEWIN #12941.31 (X2)

PM Date: January 22, 2020 - 4:37 PM



PAVEMENT LEGEND

CONCRETE PAVEMENT SURFACES TO HAVE 28-DAY COMPRESSIVE STRENGTH OF AT LEAST 3,250 PSI. CONCRETE PAVING IN VEHICULAR TRAVEL AREA TO MEET ADTT (AVERAGE DAILY TRUCK TRAFFIC) OF 1.

- SIDEWALK CONCRETE — #4 "Z" DIE, 6 W, OVA 6.5" CLASS 2 BASEROCK COMPACTED TO 90% R.C. OVER NATIVE SOIL B COMPACTED TO 90% R.C. CONCRETE THICKNESS PER DETAIL 4/C6.1
- AC PAVEMENT — 3" AC PAVEMENT OVER 12" CLASS 2 BASEROCK COMPACTED TO 95% R.C. OVER 90% R.C. COMPACTED NATIVE SOILS
- VEHICULAR AC (FIRE TRUCK) — 4.5" AC PAVEMENT OVER 16" CLASS 2 RASEROCK COMPACTED TO 95% R.C. OVER 90% R.C. COMPACTED NATIVE SOILS
- LANDSCAPE AREA

GRADING LEGEND

- XX.XX — GRADE ELEVATION
- X% — SLOPE AND DIRECTION

GRADING KEYNOTES

1. INSTALL NEW 6" CURB. SEE DETAIL 1/C6.1
2. INSTALL NEW FLUSH CURB. SEE DETAIL 2/C6.1
3. NEW CONCRETE WHEEL STOP. SEE DETAIL 3/C6.1
4. INSTALL NEW CONCRETE PAVEMENT. SEE DETAIL 4/C6.1
5. INSTALL PIPE BOLLARDS. SEE DETAIL 5/C6.1
6. INSTALL AC AT NEW CURB. SEE DETAIL 6/C6.1
7. INSTALL NEW REDWOOD HEADER. SEE DETAIL 7/C6.1 (BID ALTERNATE)
8. INSTALL NEW THRU CURB DRAIN. SEE DETAIL 9&10/C6.1
9. INSTALL NEW CURB GUTTER. SEE DETAIL 11/C6.1
10. SEE STRUCTURAL PLAN FOR CONCRETE PAD DETAIL.
11. SEE UTILITY PLANS AND DETAILS FOR BIORETENTION PLANTER CONSTRUCTION.
12. INSTALL NEW FENCE. SEE ARCH PLAN FOR DETAILS.

NORTH

0 5' 10' 15' 20'
SCALE: 1" = 10'

DISCLAIMER: TOPOGRAPHIC INFORMATION, INCLUDING PROPERTY LINES, EASEMENTS, EXISTING GRADES, EXISTING UTILITY LOCATIONS, ETC., SHOWN ARE FOR GENERAL REFERENCE ONLY AND HAVE BEEN PROVIDED BY OTHERS AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY HOHBACH-LEWIN, INC.

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REVISION SCHEDULE			
NO	DATE	BY	DESCRIPTION
	03/27/2019		DSA V2 UPLOAD
	07/09/2019		DSA V2 BACKCHECK
1	12/19/2019		CCD01
2	01/27/2020		CCD04

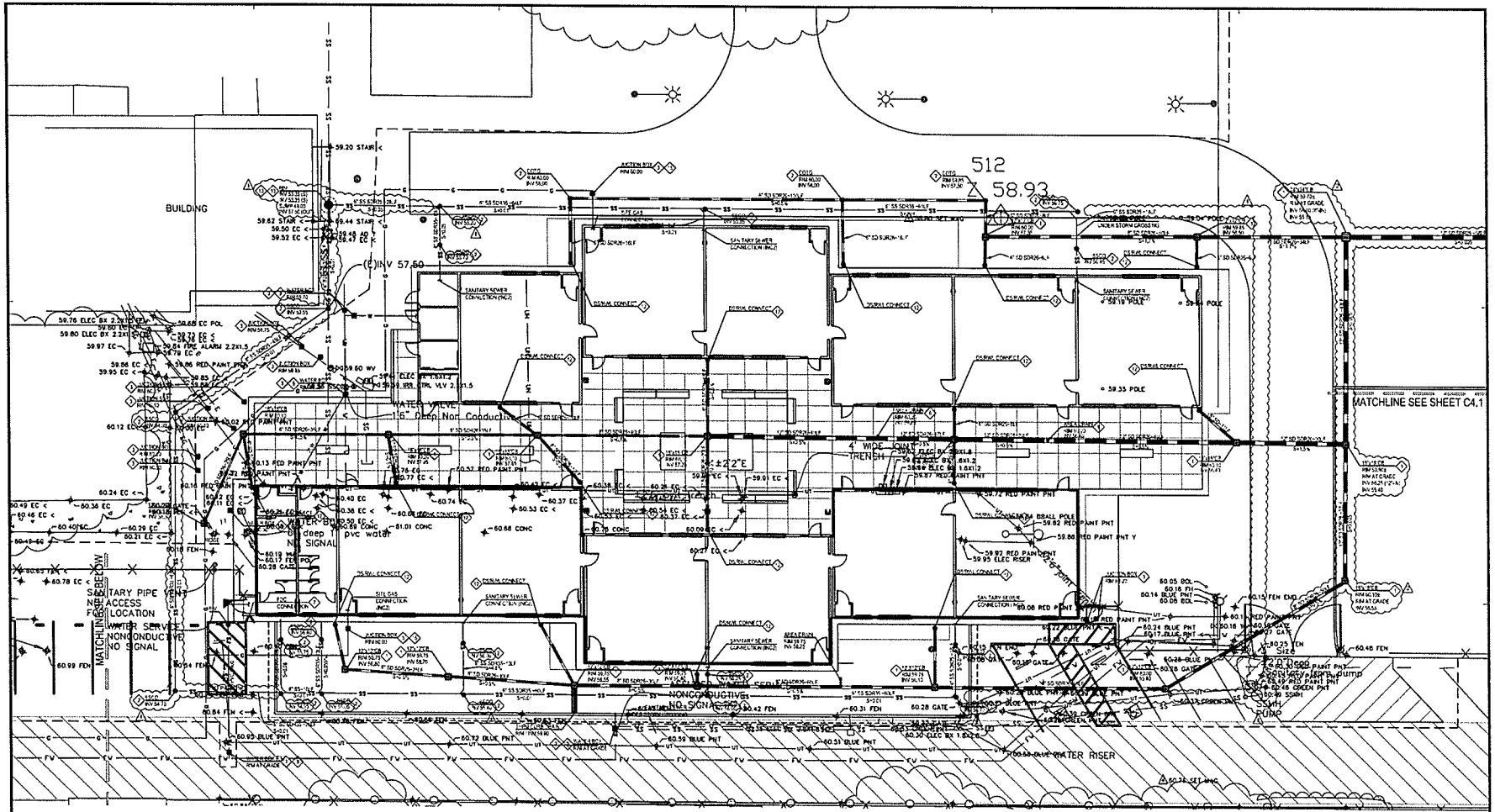
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DATE: 03/27/2019	SCALE: AS SHOWN
PROJECT NUMBER: 1818200	

GRADING, DRAINAGE AND PAVEMENT PLAN

DRAWING NUMBER: CCD004-C3.1

HOHBACH-LEWIN # 2941.31 (42)

File Date: January 22, 2020 - 4:37PM



UTILITY LEGEND

- FIRE HYDRANT
- WATER VALVE
- WATER METER
- STORM DRAIN MANHOLE
- BACKFLOW PREVENTER
- CATCH BASIN
- AREA DRAIN
- CLEANOUT TO GRADE
- FIRE DEPARTMENT CONNECTION
- LIFT STATION (PUMP VAULT)

UTILITY KEYNOTES

1. INSTALL CATCH BASIN, SEE DETAIL 1 CC&2
2. INSTALL C.I. FAN OUT TO GRADE, SEE DETAIL 2 CC&2
3. INSTALL JUNCTION BOX FOR UTILITY, SEE DETAIL 6 CC&2
4. INSTALL NEW GAS VALVE IN JUNCTION BOX, SEE DETAIL 1 CC&2
5. INSTALL DRY WELL BASIN, SEE DETAIL SC&2
6. INSTALL FLATWORK AREA DRAIN, SEE DETAIL SC&2
7. INSTALL FIRE DEPARTMENT CONNECTION SEE DETAIL 4 CC&2
8. INSTALL WATER VALVE SEE DETAIL SC&2
9. INSTALL SANITARY SEWER LIFT STATION. SEE DETAIL SC&2

NOT USED

10. INSTALL NEW CLEANOUT CONNECTION SEE DETAIL 4 SC&2 (CONNECTION COMPLETE SEE PKG 2)
11. CONNECT TO (E) SANITARY SEWER.
12. CONNECT TO (E) GAS LINE - SEE PLUMBING PLANS FOR BUILDING CONFIGURATION.
13. INSTALL GAS PRESSURE REGULATOR.

UTILITY NOTES

1. CONTRACTOR SHALL VERIFY (POTHOLE IF NECESSARY) SIZE, MATERIAL, LOCATION AND DEPTH OF ALL SYSTEMS THAT ARE TO BE CONNECTED TO OR CROSSED PRIOR TO THE TRENCHING OR INSTALLATION OF PROPOSED UTILITIES, AND INFORM ENGINEER OF ANY CONFLICTS BEFORE PROCEEDING WITH WORK.
2. CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES, INVERTS AND LOCATIONS PRIOR TO BEGINNING ANY WORK ON THE SITE.

NORTH

0 5' 10' 15' 20'

SCALE: 1" = 10'

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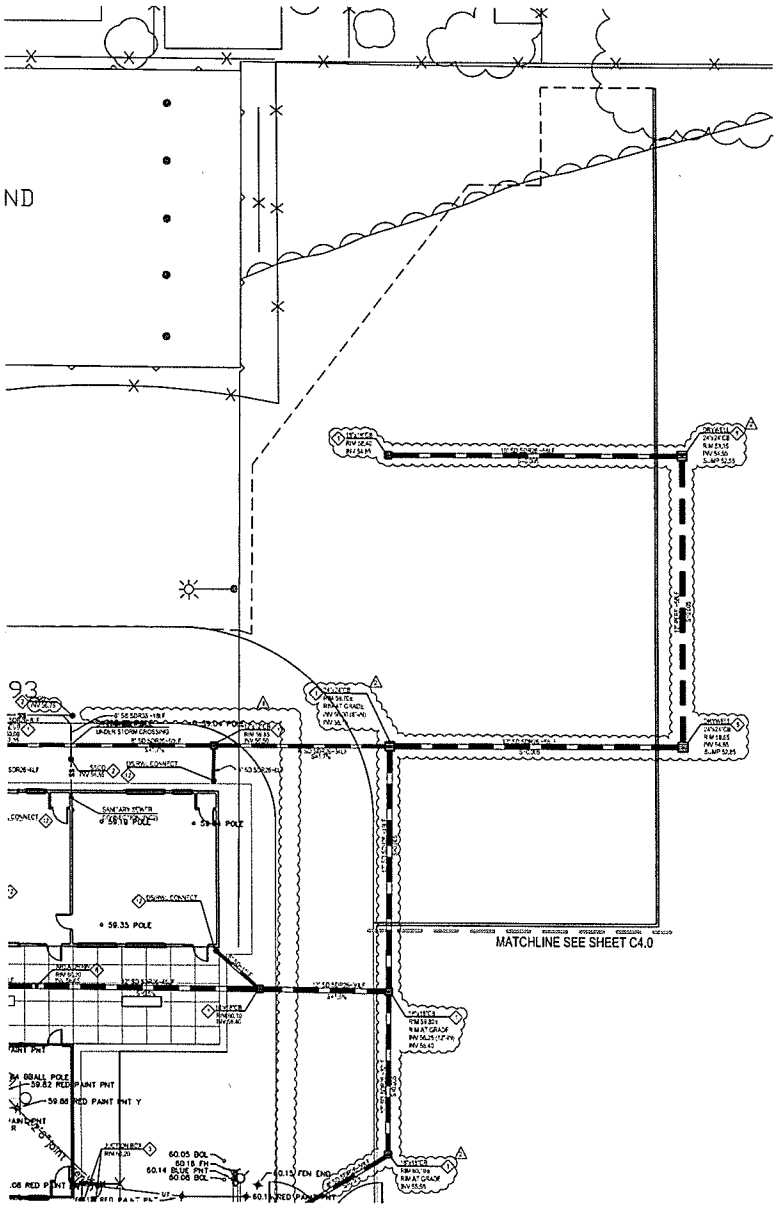
REVISION SCHEDULE			
NO	DATE	BY	DESCRIPTION
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	07/03/2019		DSA V2 BACKCHECK
1	12/18/2019		CCD01
2	01/22/2020		CCD04

DRAWN: CDC, VAB	CHECKED: BJH
DATE: 03/27/2019	SCALE: AS SHOWN
PROJECT NUMBER: 1816200	

UTILITY PLAN

DRAWING NUMBER: CCD004-C4.0

HOMBACH-LEWIN # 12941.301 (K2)



UTILITY LEGEND

- FIRE HYDRANT
- WATER VALVE
- WATER METER
- STORM DRAIN MANHOLE
- BACKFLOW PREVENTER
- CATCH BASIN
- AREA DRAIN
- CLEANOUT TO GRADE
- FIRE DEPARTMENT CONNECTION
- LIFT STATION (PUMP VAULT)

UTILITY KEYNOTES

1. INSTALL CATCH BASIN, SEE DETAIL 1/C6.2
2. INSTALL CLEANOUT TO GRADE, SEE DETAIL 2/C6.2
3. INSTALL JUNCTION BOX FOR UTILITY, SEE DETAIL 1/C6.2
4. INSTALL NEW GAS VALVE IN JUNCTION BOX, SEE DETAIL 1/C6.2
5. INSTALL DRYWELL BASIN, SEE DETAIL 5/C6.2
6. INSTALL FLATWORK AREA DRAIN, SEE DETAIL 6/C6.2
7. INSTALL FIRE DEPARTMENT CONNECTION, SEE DETAIL 7/C6.2
8. INSTALL WATER VALVE, SEE DETAIL 8/C6.2
9. INSTALL SANITARY SEWER LIFT STATION SEE DETAIL 15/C6.2

NOT USED

10. INSTALL NON-DOWNSPOUT CONNECTION, SEE DETAIL 16/C6.2 (CONNECTION COMPLETE VIA PNC.)
11. CONNECT TO (E) SANITARY SEWER
12. CONNECT TO (E) GAS LINE, SEE PLUMBING PLAN P1.2 FOR BUILDING CONTINUATION.
13. INSTALL GAS PRESSURE REGULATOR

UTILITY NOTES

1. CONTRACTOR SHALL VERIFY (POTHOLE IF NECESSARY) SIZE, MATERIAL, LOCATION AND DEPTH OF ALL SYSTEMS THAT ARE TO BE CONNECTED TO OR CROSSED PRIOR TO THE TIME OF INSTALLATION OF PROPOSED UTILITIES, AND INFORM ENGINEER OF ANY CONFLICTS BEFORE PROCEEDING WITH WORK.
2. CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES INVERTS AND LOCATIONS PRIOR TO BEGINNING ANY WORK ON THIS SITE.

NORTH

SCALE 1" = 10'

DISCLAIMER: TOPOGRAPHIC INFORMATION, INCLUDING PROPERTY LINES, EASEMENTS, EXISTING GRADES, EXISTING UTILITIES LOCATIONS ETC., SHOWN ARE FOR GENERAL REFERENCE ONLY AND HAVE BEEN PROVIDED BY OTHERS AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY HOHBACH-LEWIN, INC.

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PORTABLE REPLACEMENTS-INCREMENT 1

SAN LEANDRO UNIFIED SCHOOL DITSTRICT

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CONSULTANT
HOHBACH-LEWIN, INC.

REVISION SCHEDULE

NO	DATE	BY	DESCRIPTION
	01/27/2019		DSA V2 UPLOAD
	07/19/2019		DSA V2 BACKCHECK
1	10-19-2019		CC3C1
2	01/22/2020		CC3C4

DRAWN: CDC, VAB	CHECKED: BJH
DATE: 03/27/2019	SCALE: AS SHOWN
PROJECT NUMBER: 1816200	

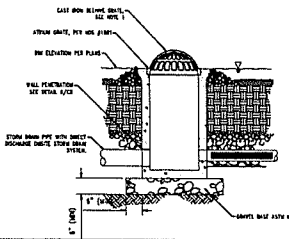
UTILITY PLAN

DRAWING NUMBER: CCD004-C4.1

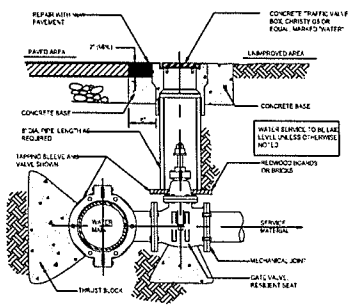
HOHBACH-LEWIN, # 1941.31 (42)

GENERAL NOTES:

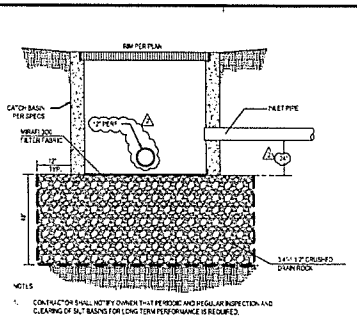
1. ALL MATERIAL AND WORKMANSHIP FOR OVERFLOW STRUCTURES SHALL CONFORM TO SAN FRANCISCO STANDARD SPECIFICATIONS AND APPLICABLE CODES PER SAN FRANCISCO DBI.
2. GROUT ALL PENETRATIONS, CRACKS, SEAMS, AND JOINTS WITH CLASS "C" MORTAR.
3. OVERFLOW PIPE MUST BE LOCATED AT AN ELEVATION HIGHER THAN THE SEWER HYDRAULIC GRADE LINE TO PREVENT BACKFLOW INTO THE BIORETENTION FACILITY.



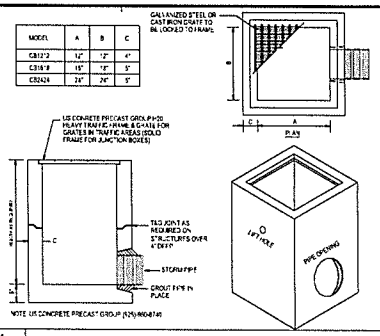
7 OVERFLOW STRUCTURE DETAIL



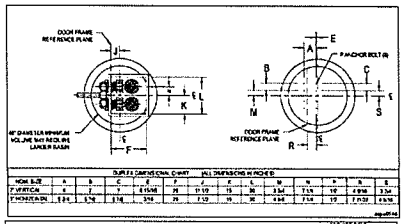
9 WATER VALVE



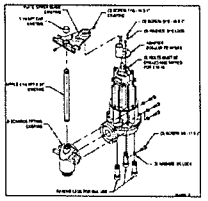
5 DRYWELL

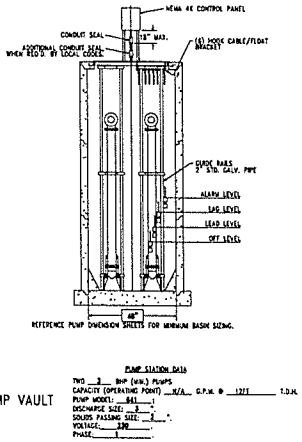


1 CATCH BASIN



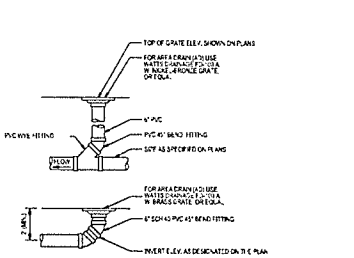
15 SANITARY SEWER LIFT STATION (BID ALTERNATE)



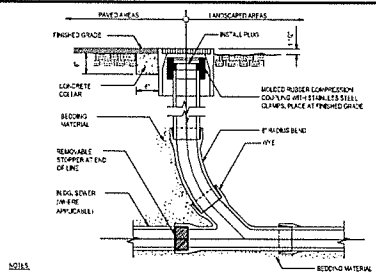


PUMP VAULT

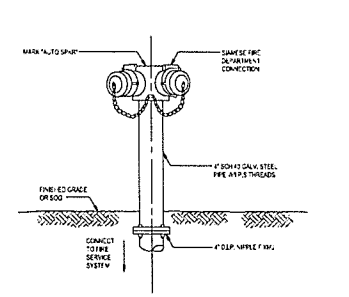
PUMP STATION DATA
TWO 3 BHP (MIN.) PUMPS
CAPACITY (OPERATING POINT) N/A G.P.M. @ 123 T.D.H.
PUMP MODEL: 841
DISCHARGE SIZE: 3
SOLIDS PASSING SIZE: 3
VOLTAGE: 230
PHASE: 1



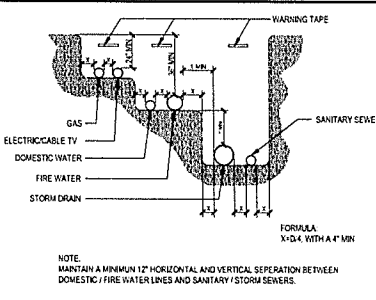
6 FLATWORK AREA DRAIN



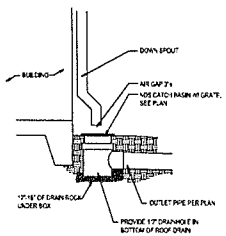
2 CLEANOUT TO GRADE



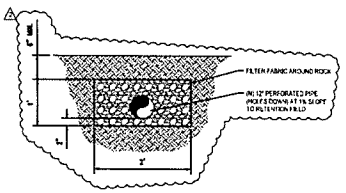
7 FIRE DEPARTMENT CONNECTION



3 MULTIPLE UTILITY TRENCH



16 DOWNSPOUT TO DRAIN CONNECTION

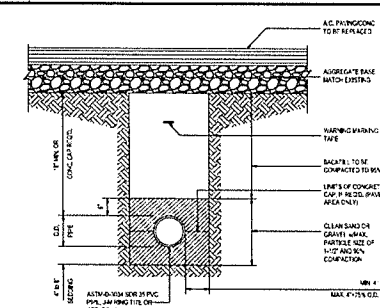


10 FRENCH DRAIN

REQUIRED BEARING AREA - TOTAL SQUARE FEET							
TYPE OF FITTING	90° BEND	45° BEND	11-1/4" OR 22 1/2"BEND	TEE OR DEAD END	TEE W/ PLUG	CROSS W/ PLUG	CROSS W/ PLUGS
TYPICAL INSTALLATION							
SIZE OF PIPE 4"	2	1	1	2	2	2	2
6"	4	2	1	3	4	4	4
8"	7	4	2	5	7	7	7
12"	12	6	3	9	12	12	12
12"	16	10	5	12	16	16	16

NOTES
1. CONSTRUCT THRUST BLOCKS WITH 2500 psi CONCRETE
2. REQUIRED BEARING AREAS ARE FOR CLASS 150 PIPE AT A TEST PRESSURE OF 150 PSI IN SOIL WITH A BEARING CAPACITY OF 2000 PSF. AREAS CAN BE ADJUSTED FOR DIFFERENT PIPE TEST PRESSURE, ANCHOR SOIL TYPE SUBJECT TO APPROVAL OF ENGINEER.
3. POUR THRUST BLOCK AGAINST UNDISTURBED SOIL.
4. KEEP ALL JOINTS AND FACE OF PLUGS CLEAR OF CONCRETE.

8 THRUST BLOCK DATA



4 PIPELINE BACKFILL

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REVISION SCHEDULE

NO	DATE	BY	DESCRIPTION
	03/27/2019		DSA V2 UPLOAD
	07/09/2019		DSA V2 BACKCHECK
1	10/18/2019		CCD01
2	01/22/2020		CCD04

DRAWN: CDC, VAB | CHECKED: BJH
DATE: 03/27/2019 | SCALE: AS SHOWN
PROJECT NUMBER: 1816200

UTILITY DETAILS

DRAWING NUMBER: CCD004-C6.2

Plot Date: January 22, 2020 - 4:56 PM

HOHBACH-LEWIN # 2244.33 (42)