

**ORDIZ
MELBY**
ARCHITECTS, INC.

ARCHITECTS PROPOSAL REQUEST

PROJECT: Dr. Douglas K. Fletcher Elem.
Paul L. Cato Middle School
Bakersfield City School District

DATE: 07/03/2012
PROJECT #: 2010-1244
2009-1210
APR#: 10

OWNER REPRESENTATIVE:

BCSD Maintenance & Operations Dept.
1501 Feliz Dr.
Bakersfield, CA 93307

CONSTRUCTION MANAGER:

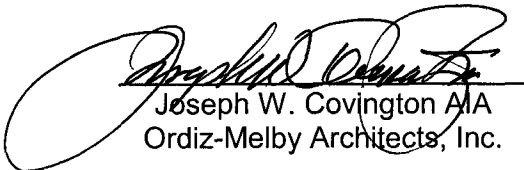
Lundgren Management Corporation
1712-19th Street, Suite 210A
Bakersfield, CA 93301

YOUR PROMPT RESPONSE WILL AID IN AVOIDING PROJECT DELAYS. PLEASE SUBMIT AN ITEMIZED QUOTATION FOR CONTRACT SUM AND/OR TIME CHANGES RESULTING FROM THE PROPOSED MODIFICATIONS TO THE CONTRACT FOR CONSTRUCTION DESCRIBED HEREIN. THIS IS NOT A CHANGE ORDER OR A DIRECTION TO PROCEED WITH THE WORK DESCRIBED HEREIN.

DESCRIPTION:

- Item #1: Refer to Attached Revised Utility Plan Drawings C6 and C7:**
A. Revise the domestic water per attached revised drawings C6 and C7 as indicated by delta 5 changes.

Reason: Value Engineering



Joseph W. Covington AIA
Ordiz-Melby Architects, Inc.

5500 Ming Avenue Suite 280
Bakersfield, California 93309
Tel: (661) 832-5258 Fax: (661) 832-4291
Website: www.ordizmelby.com

G:\Jobs 1201-1250\20101244\Documents\CA\APR\APR #010 Revise Domestic Water (07-03-2012)\1244 APR #010, Revise Domestic Water 07-03-20



LEGEND:

ABBREVIATIONS:
 EX EXISTING
 TP TYPICAL
 C CENTERLINE
 CONC CONCRETE
 A.C. ASPHALT CONCRETE
 O.H. OVERHEAD
 L.S. LANDSCAPE
 EG EXISTING GROUND
 TC TOP OF CURB
 G.B. GRADE BREAK
 RAD. RADIAL
 TP TOP OF PAVEMENT
 FP FINISHED FLOOR
 FG FINISH GRADE
 FC FINISH CONCRETE
 EP EDGE OF PAVEMENT
 FL FLOWLINE
 DW DOMESTIC WATER
 FW FIRE WATER
 IW IRRIGATION WATER
 DR DRAIN
 SS SANITARY SEWER
 SWR LAT. SEWER LATERAL
 W-WAY WALKWAY
 C.T.R.D.S. CONNECT TO ROOF DRAIN SYSTEM
 P.A. PLANTER'S AREA
 TOM TOP OF MANHOLE
 TOC TOP OF CLEANOUT
 S.E.M./D.R. S.EWER/DRAIN INVERT ELEV.
 P.E. PIPE ELEV.
 P.I. PIPE IDENTIFICATION
 DRAIN DIRECTION
 DRAIN LINE NO. (SEE TABLE)
 BUILDING DESIGNATION

PROPOSED CURB
 PROPOSED CURB AND GUTTER
 PROPOSED STORM DRAIN LINE
 PROPOSED SEWER LINE
 PROPOSED WATER LINE
 PROJECT BOUNDARY
 GRADE BREAK
 PROPOSED SWALE LINE
 EXISTING STORM DRAIN LINE
 TRAFFIC SIGN
 PROPOSED SEWER MANHOLE
 PROPOSED DRAIN/SEWER CLEANOUT
 PROPOSED STORM DRAIN MANHOLE
 CONSTRUCTION NOTES
 SURFACE SLOPE
 WATER VALVE W/ SIZE
 THRUST BLOCK-SEE SHEET C11

SECTION DESIGNATION:
 SECTION LETTER
 SHEET WHERE SECTION IS SHOWN

- CONSTRUCTION NOTES:**
- LIGHT TRAFFIC PAVEMENT TO BE 2.5" A.C. OVER 9.0" C.I. II AGG. BASE WITH 95% COMPACTION OVER 12.0" COMPACTED SUBGRADE @ 0.90% BASE ON ASTM D1557 OR CAL 216.
 - HEAVY TRAFFIC PAVEMENT TO BE 4.0" A.C. OVER 15.5" C.I. II AGG. BASE WITH 95% COMPACTION OVER 12.0" COMPACTED SUBGRADE @ 0.90% BASE ON ASTM D1557 OR CAL 216.
 - INSTALL PRECAST 600 SERIES TROUGH DRAIN WITH DOUBLE GALVANIZED STEEL SLOTTED GRATE OR APPROVED EQUAL.
 - INSTALL STORM DRAIN MANHOLE PER CITY OF BAKERSFIELD STD. DETAIL D-19 MODIFIED TO ACCOMMODATE 60" DIAMETER BARREL FOR FRAME AND COVER. SEE CITY OF BAKERSFIELD STD. DETAIL SW-5. ADJUST COVER TO FINISHED GRADE.
 - INSTALL 60" STORM DRAIN MANHOLE WITH ALHAMBRA FOUNDRY GOVERNMENT TYPE "A" GRATE AND FRAME PLATE A 1200 OR APPROVED EQUAL.
 - REMOVED PLUG, CUT OFF 5' FROM END OF EXISTING 42" DRAIN AND INSTALL 60" DIAMETER MANHOLE WITH ALHAMBRA FOUNDRY TIDWATER GRATING AND FRAME PLATE A 1212 OR APPROVED EQUAL WITH 6" OF CONCRETE APRON.
 - CONSTRUCT COMMERCIAL DRIVEWAY PER C.O.B. STD. DETAIL ST-2.
 - FLATTEN GUTTER PAN.
 - TRANSITION 6" CURB TO 0" CURB.
 - INSTALL 6" CONCRETE WHEEL STOP UNLESS NOTED OTHERWISE.
 - INSTALL 4" CONCRETE WHEEL STOP TO AVOID DRAIN INLET CONCRETE APRON.

STORM DRAIN PIPE TABLE				STORM DRAIN PIPE TABLE			
LINE	SIZE	LENGTH	SLOPE	LINE	SIZE	LENGTH	SLOPE
A1	4"	±21'	C.T.R.D.S.	G1	4"	±9'	C.T.R.D.S.
A2	4"	±24'	C.T.R.D.S.	G2	4"	±22'	C.T.R.D.S.
A3	4"	±24'	C.T.R.D.S.	G3	4"	±17'	C.T.R.D.S.
A4	4"	±38'	C.T.R.D.S.	G4	4"	±15'	C.T.R.D.S.
A5	6"	±34'	0.51%	G5	4"	±15'	C.T.R.D.S.
A6	4"	±19'	C.T.R.D.S.	G6	4"	±15'	C.T.R.D.S.
A7	8"	±2'	0.50%	H1	4"	±19'	C.T.R.D.S.
A8	6"	±24'	1.43%	H2	4"	±4'	C.T.R.D.S.
A9	4"	±10'	C.T.R.D.S.	H3	4"	±23'	C.T.R.D.S.
A10	4"	±10'	C.T.R.D.S.	H4	4"	±6'	C.T.R.D.S.
A11	4"	±10'	C.T.R.D.S.	H5	4"	±6'	C.T.R.D.S.
A12	4"	±15'	C.T.R.D.S.	H6	6"	±1'	36.9%
A13	4"	±5'	C.T.R.D.S.	H6			CONNECT TO TROUGH DRAIN
A14	4"	±5'	C.T.R.D.S.	H7	4"	±15'	C.T.R.D.S.
A15	4"	±22'	C.T.R.D.S.	H8	4"	±32'	C.T.R.D.S.
A16	4"	±9'	C.T.R.D.S.	J1	4"	±3'	C.T.R.D.S.
A17	4"	±28'	C.T.R.D.S.	J2	4"	±35'	C.T.R.D.S.
A18	4"	±47'	C.T.R.D.S.	K1	4"	±30'	C.T.R.D.S.
A19	4"	±49'	C.T.R.D.S.	L1	4"	±6'	C.T.R.D.S.
A20	4"	±54'	C.T.R.D.S.	L10	8"	±2'	7.20%
A21	4"	±79'	C.T.R.D.S.	L3	4"	±9'	C.T.R.D.S.
A22	4"	±21'	C.T.R.D.S.	L4	4"	±17'	C.T.R.D.S.
A23	4"	±31'	C.T.R.D.S.	L5	4"	±9'	C.T.R.D.S.
A24	4"	±37'	C.T.R.D.S.	L6	4"	±14'	C.T.R.D.S.
A25	4"	±37'	C.T.R.D.S.	L7	6"	±26'	1.05%
B1	4"	±8'	C.T.R.D.S.	L8	6"	±27'	1.00%
B2	4"	±7'	C.T.R.D.S.	L9	6"	±50'	2.39%
B3	4"	±34'	C.T.R.D.S.	L10	8"	±2'	7.20%
B4	4"	±22'	C.T.R.D.S.	L11	6"	±27'	1.00%
B5	4"	±12'	C.T.R.D.S.	M1	4"	±4'	C.T.R.D.S.
B6	4"	±12'	C.T.R.D.S.	M2	4"	±3'	C.T.R.D.S.
B7	4"	±59'	2.29%	M3	4"	±3'	C.T.R.D.S.
B8	6"	±7'	0.93%	M4	4"	±10'	C.T.R.D.S.
B9	8"	±34'	0.29%	M5	4"	±10'	C.T.R.D.S.
B10	12"	±25'	2.73%	M6	4"	±10'	C.T.R.D.S.
C1	4"	±9'	C.T.R.D.S.	M7	4"	±5'	C.T.R.D.S.
C2	4"	±9'	C.T.R.D.S.	M8	6"	±2'	2.29%
C3	4"	±9'	C.T.R.D.S.	M9	4"	±10'	C.T.R.D.S.
C4	4"	±8'	C.T.R.D.S.	N1	8"	±2'	0.19%
C5	4"	±8'	C.T.R.D.S.	N2	4"	±39'	C.T.R.D.S.
C6	4"	±8'	C.T.R.D.S.	N3	4"	±39'	C.T.R.D.S.
D1			NOT USED	N4	4"	±39'	C.T.R.D.S.
D2	8"	±33'	1.56%	N5	4"	±39'	C.T.R.D.S.
D3	6"	±33'	1.53%	N6	4"	±28'	C.T.R.D.S.
D4	6"	±4'	74.85%	N7	4"	±28'	C.T.R.D.S.
D5	4"	±10'	C.T.R.D.S.	N8	4"	±28'	C.T.R.D.S.
D6	4"	±10'	C.T.R.D.S.	N9	4"	±28'	C.T.R.D.S.
D7	4"	±10'	C.T.R.D.S.	P1A	10"	±21'	6.38%
D8	4"	±31'	C.T.R.D.S.	P2	10"	±109'	0.61%
D9	4"	±31'	C.T.R.D.S.	P3	10"	±72'	1.04%
D10	4"	±31'	C.T.R.D.S.	P4	10"	±72'	1.06%
D11	6"	±5'	55.20%	P5	10"	±73'	0.33%
E1	4"	±11'	C.T.R.D.S.	P7	4"	±22'	C.T.R.D.S.
E2	4"	±11'	C.T.R.D.S.	P8	4"	±22'	C.T.R.D.S.
E3	4"	±11'	C.T.R.D.S.	P9	4"	±22'	C.T.R.D.S.
E4	18"	±35'	0.32%	P10	4"	±8'	C.T.R.D.S.
E5	4"	±29'	C.T.R.D.S.	P11	4"	±8'	C.T.R.D.S.
E6	4"	±29'	C.T.R.D.S.	P12	4"	±8'	C.T.R.D.S.
E7	4"	±29'	C.T.R.D.S.	P13	4"	±8'	C.T.R.D.S.
F1	6"	±10'	16.61%	Q1	4"	±24'	C.T.R.D.S.
F2	4"	±12'	C.T.R.D.S.	R1	4"	±25'	C.T.R.D.S.
F3	4"	±12'	C.T.R.D.S.	R2	4"	±22'	C.T.R.D.S.
F4	4"	±12'	C.T.R.D.S.				
F5	4"	±10'	C.T.R.D.S.				
F6	4"	±10'	C.T.R.D.S.				
F7	4"	±10'	C.T.R.D.S.				
F8			NOT USED				

* ALL 18" AND SMALLER STORM DRAIN LINE SHALL BE SDR35 PVC. LARGER THAN 18" SHALL BE RGJ-RCP.

DATE: _____

REGISTERED PROFESSIONAL ENGINEER
 PRES. & MENTOR
 No. 33322
 Exp. 6-30-12
 STATE OF CALIFORNIA

McINTOSH & ASSOCIATES
 CIVIL ENGINEERS
 1001 G ST., SUITE 100, BAKERSFIELD, CA 93301
 (805) 834-8844 FAX (805) 834-8844

ORDIZ MELBY ARCHITECTS, INC.

6500 MING AVENUE SUITE 280
 BAKERSFIELD, CALIFORNIA 93309
 TELEPHONE (861) 832-5288
 FACSIMILE (861) 832-4291

REGISTERED ARCHITECT
 No. C-14728
 MAY 21, 2011
 STATE OF CALIFORNIA

DANNY E. ORDIZ, AIA
 ARCHITECT C-14,728

WILLIAM J. MELBY, AIA
 ARCHITECT C-16,835

IDENTIFICATION STAMP
 DIVISION OF STATE ARCHITECT
 OFFICE OF REGULATION SERVICES

APPL. # 02-112027
 FILE # 15-6

AC _____ FLS _____ SS _____
 DATE _____

PTN # 63321-112

NEW ELEMENTARY SCHOOL
 9801 HIGHLAND KNOLLS DR
 BAKERSFIELD, CALIFORNIA
 93306

NEW MIDDLE SCHOOL
 4115 VINELAND ROAD
 BAKERSFIELD CALIFORNIA
 93306

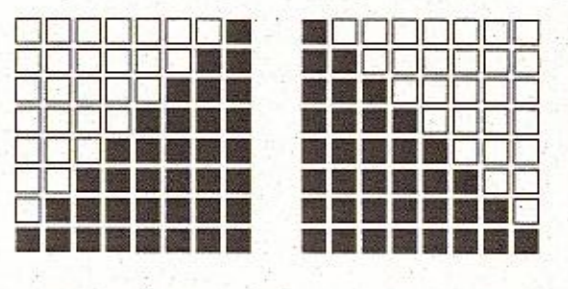
FOR:
BAKERSFIELD CITY SCHOOL DISTRICT
 1300 BAKER STREET
 BAKERSFIELD CALIFORNIA
 93305

MARK	DATE	DESCRIPTION
1	02-21-12	Addendum 1
2	05-16-12	Addendum 2
3	05-18-12	Addendum 3
4	05-29-12	Addendum 4
5	06-19-12	APR #10

JOB NUMBER:
200101244
 CAD DRAWING FILE:
10021GP01
 DRAWN BY:
 SLU
 CHECKED BY:
 VRR
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UTILITY PLAN

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C6
 SHEET OF



ORDIZ MELBY
ARCHITECTS, INC.

5500 MING AVENUE SUITE 280
BAKERSFIELD, CALIFORNIA 93309
TELEPHONE (661) 832-5258
FACSIMILE (661) 832-4291



DANNY E. ORDIZ, AIA
ARCHITECT C-14,728
WILLIAM J. MELBY, AIA
ARCHITECT C-16,835

IDENTIFICATION STAMP
DIVISION OF STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL. #: 02-112027
FILE #: 15-6
AC _____ FLS _____ SS _____
DATE _____

NEW ELEMENTARY SCHOOL
9801 HIGHLAND KNOLLS DR
BAKERSFIELD, CALIFORNIA
93306

NEW MIDDLE SCHOOL
4115 VINELAND ROAD
BAKERSFIELD, CALIFORNIA
93306

FOR:
BAKERSFIELD CITY SCHOOL DISTRICT
1300 BAKER STREET
BAKERSFIELD, CALIFORNIA
93305

MARK	DATE	DESCRIPTION
△	02-14-12	Addendum 1
△	05-16-12	Addendum 2
△	05-29-12	Addendum 4
△	06-19-12	APR #10

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UTILITY PLAN
SHEET IDENTIFICATION NUMBER
C7
SHEET OF

LEGEND:

EX	EXISTING	—	PROPOSED CURB
CONC	CONCRETE	—	PROPOSED CURB AND GUTTER
C	CENTERLINE	—	PROPOSED STORM DRAIN LINE
A.C.	ASPHALT CONCRETE	—	PROPOSED SEWER LINE
O.H.	OVERHEAD	—	PROPOSED WATER LINE
L.S.	LANDSCAPE	—	PROJECT BOUNDARY
EG	EXISTING GROUND	—	GRADE BREAK
TC	TOP OF CURB	—	PROPOSED SWALE LINE
G.B.	GRADE BREAK	—	PROPOSED FENCELINE
RAD.	RADIAL	—	EXISTING STORM DRAIN LINE
TP	TOP OF PAVEMENT	—	TRAFFIC SIGN
FP	FINISHED FLOOR	—	PROPOSED SEWER MANHOLE
FF	FINISH GRADE	—	PROPOSED DRAIN/SEWER CLEANOUT
FC	FINISH CONCRETE	—	PROPOSED STORM DRAIN MANHOLE
FL	FLOWLINE	—	CONSTRUCTION NOTES
ED	EDGE OF PAVEMENT	—	WATER VALVE W/ SIZE
FL	FLOWLINE	—	THRUST BLOCK-SEE SHEET C11
DW	DOMESTIC WATER	—	SECTION DESIGNATION
FW	FIRE WATER	—	SECTION LETTER
FW	IRRIGATION WATER	—	
DR	DRAIN	—	
SS	SANITARY SEWER	—	
SWR	SEWER LATERAL	—	
W-WAY	WALKWAY	—	
C.T.R.D.S.	CONNECT TO ROOF DRAIN SYSTEM	—	
P.A.	PLASTER'S AREA	—	
TM	TOP OF MANHOLE	—	
TOC	TOP OF CLEANOUT	—	
S.E.I.	SEWER/RAIN INVERT ELEV.	—	
SC	SEWER/RAIN CONNECTION	—	
P	PIPE SIZE	—	
D	DRAIN IDENTIFICATION	—	
D	DRAIN DIRECTION	—	
D	DRAIN LINE NO. (SEE TABLE)	—	
P	PIPE SIZE	—	
B	BUILDING DESIGNATION	—	

- CONSTRUCTION NOTES:**
- LIGHT TRAFFIC PAVEMENT TO BE 2.5" A.C. OVER 9.0" C.I. II AGG. BASE WITH 95% COMPACTION OVER 12.0" COMPACTED SUBGRADE @ 0.90% BASED ON ASTM D1557 OR CAL 216.
 - HEAVY TRAFFIC PAVEMENT TO BE 4.0" A.C. OVER 15.5" C.I. II AGG. BASE WITH 95% COMPACTION OVER 12.0" COMPACTED SUBGRADE @ 0.90% BASED ON ASTM D1557 OR CAL 216.
 - INSTALL POLYCAST 600 SERIES TROUGH DRAIN WITH DOUBLE GALVANIZED STEEL SLOTTED GRATE OR APPROVED EQUAL.
 - INSTALL STORM DRAIN MANHOLE PER CITY OF BAKERSFIELD STD. DETAIL D-18 MODIFIED TO ACCOMMODATE 60" DIAMETER BARREL FOR FRAME AND COVER. SEE CITY OF BAKERSFIELD STD. DETAIL SW-S. ADJUST COVER TO FINISHED GRADE.
 - INSTALL 60" STORM DRAIN MANHOLE WITH ALHAMBRA FOUNDRY GOVERNMENT TYPE "A" GRATE AND FRAME PLATE A 1200 OR APPROVED EQUAL.
 - REMOVED PLUG, CUT OFF 5' FROM END OF EXISTING 42" DRAIN AND INSTALL 60" DIAMETER MANHOLE WITH ALHAMBRA FOUNDRY TOW-WATER GRATING AND FRAME PLATE A 1212 OR APPROVED EQUAL WITH 6' x 6' CONCRETE APRON.
 - CONSTRUCT COMMERCIAL DRIVEWAY PER C.O.B. STD. DETAIL ST-2.
 - FLATTEN GUTTER PAN.
 - TRANSITION 6" CURB TO 0" CURB.
 - INSTALL 6" CONCRETE WHEEL STOP UNLESS NOTED OTHERWISE.
 - INSTALL 4" CONCRETE WHEEL STOP TO AVOID DRAIN INLET CONCRETE APRON.

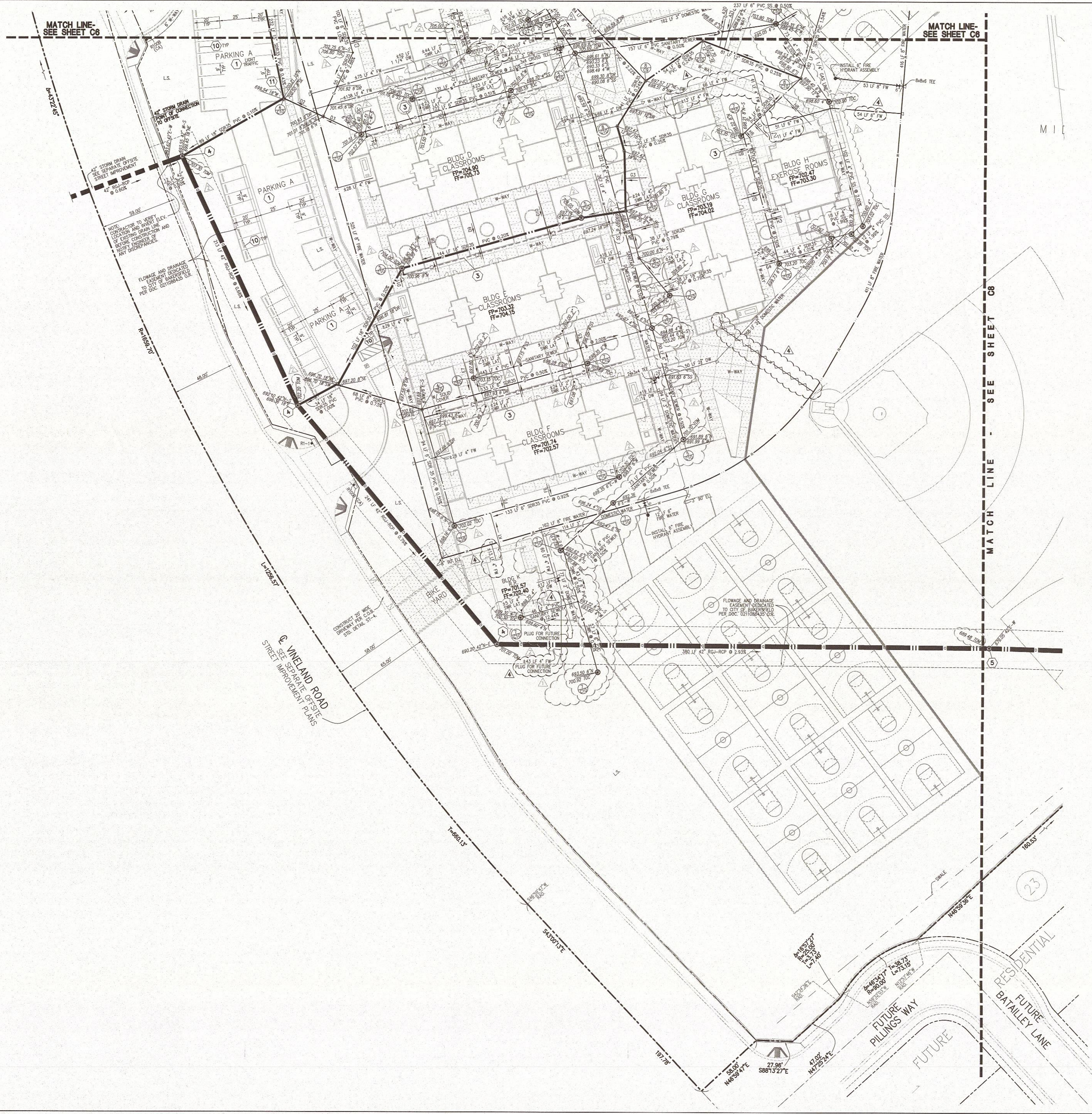
LINE	SIZE	LENGTH	SLOPE	LINE	SIZE	LENGTH	SLOPE
A1	4"	+27'	C.T.R.D.S.	G1	4"	+9'	C.T.R.D.S.
A2	4"	+24'	C.T.R.D.S.	G2	4"	+22'	C.T.R.D.S.
A3	4"	+24'	C.T.R.D.S.	G3	4"	+17'	C.T.R.D.S.
A4	6"	38'	@ 0.50%	G4	4"	+15'	C.T.R.D.S.
A5	6"	34'	@ 0.51%	G5	4"	+15'	C.T.R.D.S.
A6	4"	+19'	C.T.R.D.S.	G6	4"	+15'	C.T.R.D.S.
A7	8"	62'	@ 0.50%	H1	4"	+19'	C.T.R.D.S.
A8	8"	24'	@ 1.43%	H2	4"	+4'	C.T.R.D.S.
A9	4"	+10'	C.T.R.D.S.	H3	4"	+23'	C.T.R.D.S.
A10	4"	+10'	C.T.R.D.S.	H4	4"	+6'	C.T.R.D.S.
A11	4"	+10'	C.T.R.D.S.	H5	4"	+6'	C.T.R.D.S.
A12	4"	+15'	C.T.R.D.S.	H6	6"	6'	@ 36.9%
A13	4"	+5'	C.T.R.D.S.	H6	6"	6'	CONNECT TO TROUGH DRAIN
A14	4"	+5'	C.T.R.D.S.	H7	4"	+15'	C.T.R.D.S.
A15	4"	+22'	C.T.R.D.S.	H8	4"	+32'	C.T.R.D.S.
A16	4"	+9'	C.T.R.D.S.	J1	4"	+3'	C.T.R.D.S.
A17	4"	+28'	C.T.R.D.S.	J2	4"	+35'	C.T.R.D.S.
A18	4"	+47'	C.T.R.D.S.	K1	4"	+30'	C.T.R.D.S.
A19	4"	+49'	C.T.R.D.S.	L1	4"	+6'	C.T.R.D.S.
A20	4"	+64'	C.T.R.D.S.	L2	4"	+4'	C.T.R.D.S.
A21	4"	+79'	C.T.R.D.S.	L3	4"	+9'	C.T.R.D.S.
A22	4"	+21'	C.T.R.D.S.	L4	4"	+17'	C.T.R.D.S.
A23	4"	+31'	C.T.R.D.S.	L5	4"	+9'	C.T.R.D.S.
A24	4"	+37'	C.T.R.D.S.	L6	4"	+14'	C.T.R.D.S.
A25	4"	+37'	C.T.R.D.S.	L7	4"	+25'	@ 1.05%
B1	4"	+8'	C.T.R.D.S.	L8	6"	27'	@ 1.00%
B2	4"	+7'	C.T.R.D.S.	L9	6"	50'	@ 2.39%
B3	4"	+34'	C.T.R.D.S.	L10	8"	32'	@ 7.20%
B4	4"	+22'	C.T.R.D.S.	L11	6"	27'	@ 1.00%
B5	4"	+12'	C.T.R.D.S.	M1	4"	+4'	C.T.R.D.S.
B6	4"	+12'	C.T.R.D.S.	M2	4"	+3'	C.T.R.D.S.
B7	4"	59'	@ 2.29%	M3	4"	+3'	C.T.R.D.S.
B8	6"	57'	@ 0.93%	M4	4"	+10'	C.T.R.D.S.
B9	8"	34'	@ 0.29%	M5	4"	+10'	C.T.R.D.S.
B10	12"	25'	@ 2.73%	M6	4"	+10'	C.T.R.D.S.
C1	4"	+9'	C.T.R.D.S.	M7	4"	+5'	C.T.R.D.S.
C2	4"	+9'	C.T.R.D.S.	M8	6"	52'	@ 2.29%
C3	4"	+9'	C.T.R.D.S.	M9	4"	+10'	C.T.R.D.S.
C4	4"	+8'	C.T.R.D.S.	N1	8"	42'	@ 0.19%
C5	4"	+8'	C.T.R.D.S.	N2	4"	+39'	C.T.R.D.S.
C6	4"	+8'	C.T.R.D.S.	N3	4"	+39'	C.T.R.D.S.
D1			NOT USED	N4	4"	+39'	C.T.R.D.S.
D2	8"	33'	@ 1.56%	N5	4"	+39'	C.T.R.D.S.
D3	6"	33'	@ 1.53%	N6	4"	+28'	C.T.R.D.S.
D4	6"	4'	@ 24.85%	N7	4"	+28'	C.T.R.D.S.
D5	4"	+10'	C.T.R.D.S.	N8	4"	+28'	C.T.R.D.S.
D6	4"	+10'	C.T.R.D.S.	N9	4"	+28'	C.T.R.D.S.
D7	4"	+10'	C.T.R.D.S.	P1	10"	31'	@ 0.55%
D8	4"	+31'	C.T.R.D.S.	P1A	10"	21'	@ 6.38%
D9	4"	+31'	C.T.R.D.S.	P2	10"	109'	@ 0.61%
D10	4"	+31'	C.T.R.D.S.	P3	10"	72'	@ 1.04%
D11	8"	5'	@ 55.20%	P4	10"	72'	@ 1.06%
E1	4"	+11'	C.T.R.D.S.	P5	10"	73'	@ 1.03%
E2	4"	+11'	C.T.R.D.S.	P6	4"	+22'	C.T.R.D.S.
E3	4"	+11'	C.T.R.D.S.	P7	4"	+22'	C.T.R.D.S.
E4	18"	35'	@ 0.32%	P8	4"	+22'	C.T.R.D.S.
E5	4"	+29'	C.T.R.D.S.	P9	4"	+22'	C.T.R.D.S.
E6	4"	+29'	C.T.R.D.S.	P10	4"	+22'	C.T.R.D.S.
E7	4"	+29'	C.T.R.D.S.	P11	4"	+22'	C.T.R.D.S.
F1	6"	10'	@ 16.61%	P12	4"	+22'	C.T.R.D.S.
F2	4"	+12'	C.T.R.D.S.	P13	4"	+22'	C.T.R.D.S.
F3	4"	+12'	C.T.R.D.S.	Q1	4"	+24'	C.T.R.D.S.
F4	4"	+12'	C.T.R.D.S.	Q2	4"	+22'	C.T.R.D.S.
F5	4"	+10'	C.T.R.D.S.	R1	4"	+25'	C.T.R.D.S.
F6	4"	+10'	C.T.R.D.S.	R2	4"	+22'	C.T.R.D.S.
F7	4"	+10'	C.T.R.D.S.				
F8			NOT USED				

*ALL 18" AND SMALLER STORM DRAIN LINE SHALL BE SDR35 PVC. LARGER THAN 18" SHALL BE RGJ-RCP.

SCALE: 1" = 30'

McINTOSH & ASSOCIATES
REGISTERED PROFESSIONAL ENGINEER
No. 33322
Exp. 6-30-12
CIVIL
STATE OF CALIFORNIA

DATE: _____



MATCH LINE - SEE SHEET C6

MATCH LINE - SEE SHEET C6

MATCH LINE - SEE SHEET C8

