



LEGEND:

ASSOCIATIONS
 E.E. EXISTING
 TYP. TYPICAL
 C. CENTERLINE
 CONG. CONCRETE
 A.C. ASPHALT CONCRETE
 O.H. OVERHEAD
 L.S. LANDSCAPE
 E.G. EXISTING GROUND
 T.C. TOP OF CURB
 G.B. GRADE BREAK
 RAD. RADIAL
 TP. TOP OF PAVEMENT
 F.P. FINISHED FLOOR
 F.G. FINISH GRADE
 F.C. FRESH CONCRETE
 EP. EDGE OF PAVEMENT
 FL. FLOORLINE
 DW. DOMESTIC WATER
 FW. FIRE WATER
 IW. IRRIGATION WATER
 OR. ORAIN
 SW. SANITARY SEWER
 SWR. LAT. SEWER LATERAL
 R-WAY. ROOF DRAIN SYSTEM
 WALKWAY
 P.A. PLANTER'S AREA
 T.M. TOP OF MANHOLE
 T.O.C. TOP OF CLEANOUT
 S.E.M. SEWER/RAIN INVERT ELEV.
 P. PIPE SIZE
 DRAIN LINE IDENTIFICATION
 DR. DRAIN DIRECTION
 DR. DR. DRAIN LINE NO. (SEE TABLE)
 B. 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
 PROPOSED FENCELINE
 EXISTING STORM DRAIN LINE
 TRAFFIC SIGN
 PROPOSED SEWER MANHOLE
 PROPOSED DRAIN/SEWER CLEANOUT
 PROPOSED STORM DRAIN MANHOLE
 CONSTRUCTION NOTES
 SURFACE SLOPE
 WATER VALVE #/ SIZE
 THRUST BLOCK-SEE SHEET C11

SECTION LETTER
 SECTION LETTER
 SHEET WHERE SECTION IS SHOWN

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

STORM DRAIN PIPE TABLE

LINE	SIZE*	LENGTH	SLOPE
G1	4"	±9'	C.T.D.S.
G2	4"	±22'	C.T.D.S.
G3	4"	±17'	C.T.D.S.
G4	4"	±15'	C.T.D.S.
G5	4"	±15'	C.T.D.S.
G6	4"	±15'	C.T.D.S.
H1	4"	±19'	C.T.D.S.
H2	4"	±4'	C.T.D.S.
H3	4"	±23'	C.T.D.S.
H4	4"	±6'	C.T.D.S.
H5	4"	±6'	C.T.D.S.
H6	6"	6'	±36.9%
CONNECT TO TROUGH DRAIN			
H7	4"	±15'	C.T.D.S.
H8	4"	±32'	C.T.D.S.
J1	4"	±3'	C.T.D.S.
J2	4"	±35'	C.T.D.S.
K1	4"	±30'	C.T.D.S.
L1	4"	±6'	C.T.D.S.
L2	4"	±4'	C.T.D.S.
L3	4"	±9'	C.T.D.S.
L4	4"	±17'	C.T.D.S.
L5	4"	±9'	C.T.D.S.
L6	4"	±14'	C.T.D.S.
L7	6"	26'	±1.05%
L8	6"	27'	±1.00%
L9	6"	50'	±2.39%
L10	6"	32'	±7.20%
L11	6"	27'	±1.00%
M1	4"	±4'	C.T.D.S.
M2	4"	±3'	C.T.D.S.
M3	4"	±3'	C.T.D.S.
M4	4"	±10'	C.T.D.S.
M5	4"	±10'	C.T.D.S.
M6	4"	±10'	C.T.D.S.
M7	4"	±5'	C.T.D.S.
M8	6"	52'	±2.29%
M9	4"	±10'	C.T.D.S.
N1	8"	42'	±0.19%
N2	4"	±39'	C.T.D.S.
N3	4"	±39'	C.T.D.S.
N4	4"	±39'	C.T.D.S.
N5	4"	±39'	C.T.D.S.
N6	4"	±28'	C.T.D.S.
N7	4"	±28'	C.T.D.S.
N8	4"	±28'	C.T.D.S.
N9	4"	±28'	C.T.D.S.
P1	10"	31'	±0.55%
P1A	10"	21'	±0.38%
P2	10"	109'	±0.31%
P3	10"	72'	±1.04%
P4	10"	72'	±1.06%
P5	10"	73'	±1.03%
P6	4"	±22'	C.T.D.S.
P7	4"	±22'	C.T.D.S.
P8	4"	±22'	C.T.D.S.
P9	4"	±22'	C.T.D.S.
P10	4"	±8'	C.T.D.S.
P11	4"	±8'	C.T.D.S.
P12	4"	±8'	C.T.D.S.
P13	4"	±8'	C.T.D.S.
Q1	4"	±24'	C.T.D.S.
Q2	4"	±22'	C.T.D.S.
R1	4"	±25'	C.T.D.S.
R2	4"	±22'	C.T.D.S.

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REGISTERED ARCHITECT
 DANNY E. ORDIZ
 No. C-14728
 MAY 31, 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
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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	02-14-12	Addendum 1
2	05-16-12	Revision 2
3	05-18-12	Revision 3
4	05-29-12	Revision 4

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UTILITY PLAN

SHEET IDENTIFICATION NUMBER
C8

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McINTOSH & ASSOCIATES

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