



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

IDENTIFICATION STAMP
 DIVISION OF STATE ARCHITECT
 OFFICE OF REGISTRATION SERVICES
 APPL. # 102-12027
 FILE # 15-8
 AC _____ FL. \$ _____
 DATE _____ P. # 832-112

NEW ELEMENTARY SCHOOL
 9801 HIGHLAND KNOLLS DR
 BAKERSFIELD, CALIFORNIA 93306

NEW MIDDLE SCHOOL
 4115 VINELAND ROAD
 BAKERSFIELD, CALIFORNIA 93306

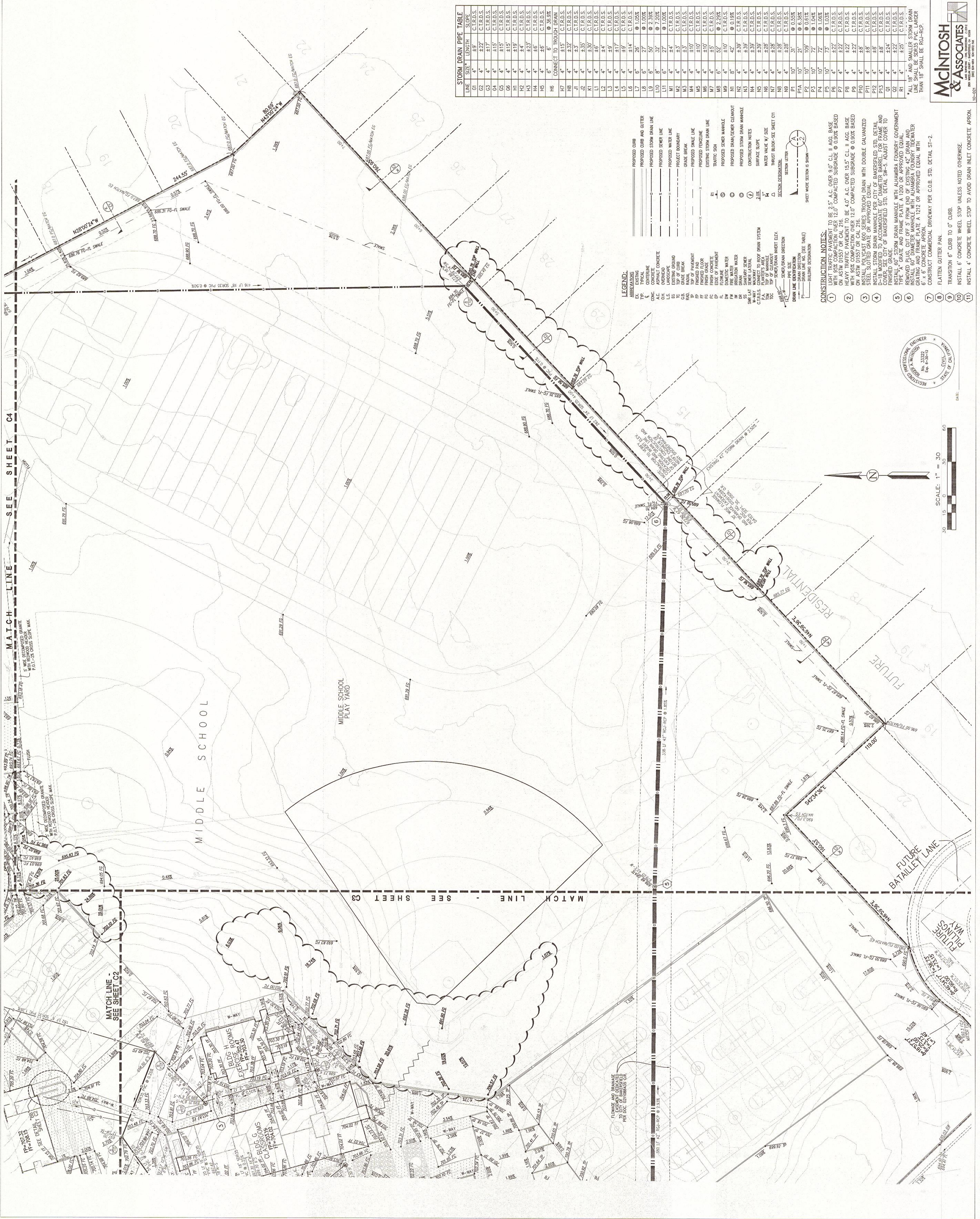
**FOR:
 BAKERSFIELD CITY SCHOOL DISTRICT**
 1300 BAKER STREET
 BAKERSFIELD, CALIFORNIA 93305

MARK	DATE	DESCRIPTION
△		
△		
△		

JOB NUMBER: 200101244
 DATE: 10/20/01
 DRAWN BY: SLU
 CHECKED BY: [Blank]
 REPORT PREPARED BY: [Blank]
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 ORDIZ MELBY ARCHITECTS, INC. 2001

GRADING PLAN

SHEET IDENTIFICATION NUMBER
C5
 OF SHEET

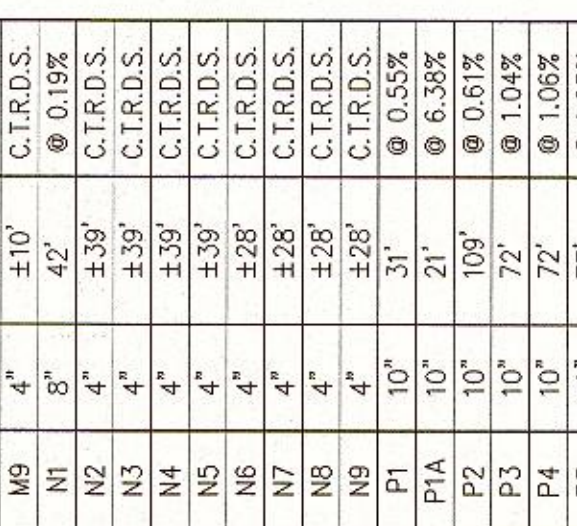


STORM DRAIN PIPE TABLE

LINE	SIZE	LENGTH	SLOPE
G1	4"	4'9"	C.T.R.D.S.
G2	4"	4'22"	C.T.R.D.S.
G3	4"	4'17"	C.T.R.D.S.
G4	4"	4'15"	C.T.R.D.S.
G5	4"	4'15"	C.T.R.D.S.
G6	4"	4'15"	C.T.R.D.S.
H1	4"	4'19"	C.T.R.D.S.
H2	4"	4'4"	C.T.R.D.S.
H3	4"	4'23"	C.T.R.D.S.
H4	4"	4'6"	C.T.R.D.S.
H5	6"	6'5"	15.0%
H6	6"	6'5"	15.0%
H7	4"	4'15"	C.T.R.D.S.
H8	4"	4'32"	C.T.R.D.S.
J1	4"	4'3'	C.T.R.D.S.
J2	4"	4'35"	C.T.R.D.S.
K1	4"	4'30"	C.T.R.D.S.
L1	4"	4'4'	C.T.R.D.S.
L2	4"	4'4'	C.T.R.D.S.
L3	4"	4'9"	C.T.R.D.S.
L4	4"	4'17"	C.T.R.D.S.
L5	4"	4'9"	C.T.R.D.S.
L6	4"	4'14"	C.T.R.D.S.
L7	6"	26'	1.05%
L8	6"	50'	2.30%
L9	6"	50'	2.30%
L10	8"	32'	2.30%
L11	6"	27'	1.00%
M1	4"	4'4'	C.T.R.D.S.
M2	4"	4'3'	C.T.R.D.S.
M3	4"	4'3'	C.T.R.D.S.
M4	4"	4'10"	C.T.R.D.S.
M5	4"	4'10"	C.T.R.D.S.
M6	4"	4'10"	C.T.R.D.S.
M7	4"	4'50"	C.T.R.D.S.
M8	6"	52'	2.29%
M9	4"	4'10"	C.T.R.D.S.
N1	6"	42'	0.19%
N2	4"	4'39"	C.T.R.D.S.
N3	4"	4'39"	C.T.R.D.S.
N4	4"	4'39"	C.T.R.D.S.
N5	4"	4'39"	C.T.R.D.S.
N6	4"	4'28"	C.T.R.D.S.
N7	4"	4'28"	C.T.R.D.S.
N8	4"	4'28"	C.T.R.D.S.
N9	4"	4'28"	C.T.R.D.S.
P1	10"	10'	0.55%
P2	10"	109'	0.61%
P3	10"	72'	1.04%
P4	10"	72'	1.04%
P5	10"	73'	1.03%
P6	4"	4'22"	C.T.R.D.S.
P7	4"	4'22"	C.T.R.D.S.
P8	4"	4'22"	C.T.R.D.S.
P9	4"	4'22"	C.T.R.D.S.
F10	4"	4'8"	C.T.R.D.S.
F11	4"	4'8"	C.T.R.D.S.
F12	4"	4'8"	C.T.R.D.S.
F13	4"	4'8"	C.T.R.D.S.
O2	4"	4'24"	C.T.R.D.S.
O3	4"	4'24"	C.T.R.D.S.
R1	4"	4'22"	C.T.R.D.S.
R2	4"	4'22"	C.T.R.D.S.

LEGEND:
 PROPOSED CURB
 PROPOSED DRAIN/SEWER CLEANOUT
 PROPOSED STORM DRAIN LINE
 PROPOSED STORM LINE
 PROPOSED WATER LINE
 PROJECT BOUNDARY
 GRADE BREAK
 PROPOSED SHALE LINE
 PROPOSED FENCELINE
 EXISTING STORM DRAIN LINE
 EXISTING WATER 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 01
 SECTION LETTER
 SECTION NUMBER
 SHEET WHERE SECTION IS SHOWN

CONSTRUCTION NOTES:
 1. LIGHT TRAFFIC PAVEMENT TO BE 2" A.C. OVER 90" C.I. II AGG. BASE WITH 50% COMPACTION OVER 12" COMPACTED SUBGRADE @ 0.50% BASED ON ASTM D1557 OR CAL 216. BE 4" A.C. OVER 15" C.I. II AGG. BASE WITH 50% COMPACTION OVER 12" COMPACTED SUBGRADE @ 0.50% BASED ON ASTM D1557 OR CAL 216.
 2. STORM DRAIN WITH DOUBLE GALVANIZED STEEL SLOTTED GRADE OR APPROVED EQUAL.
 3. INSTALL STORM DRAIN MANHOLE PER CITY OF BAKERSFIELD STD. DETAIL D-18 MODIFIED TO ACCOMMODATE 60" DIAMETER BARREL FOR FRAME AND COVER. 6" A.C. OVER 15" C.I. II AGG. BASE. DETAIL S11-3. ADJUST COVER TO FINISHED GRADE.
 4. INSTALL STORM DRAIN MANHOLE PER CITY OF BAKERSFIELD STD. DETAIL D-18 MODIFIED TO ACCOMMODATE 60" DIAMETER BARREL FOR FRAME AND COVER. 6" A.C. OVER 15" C.I. II AGG. BASE. DETAIL S11-3. ADJUST COVER TO FINISHED GRADE.
 5. INSTALL 60" STORM DRAIN MANHOLE WITH ALHAMBRA FOUNDRY GOVERNMENT STANDARD 60" DIAMETER MANHOLE PER CITY OF BAKERSFIELD STD. DETAIL S11-3. ADJUST COVER TO FINISHED GRADE.
 6. REMOVE PLUS, CUT OFF 5' FROM END OF EXISTING 42" DRAIN AND INSTALL 60" DIAMETER MANHOLE WITH ALHAMBRA FOUNDRY 60" DIAMETER 6" A.C. OVER 15" C.I. II AGG. BASE. DETAIL S11-3. ADJUST COVER TO FINISHED GRADE.
 7. CONSTRUCT COMMERCIAL DRIVEWAY PER C.O.B. STD. DETAIL S11-2.
 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.



RESERVED PROFESSIONAL ENGINEER
 WILLIAM J. MELBY
 No. 33322
 Exp. 6-30-12
 REGISTERED CIVIL ENGINEER

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

