CITY OF BAKERSFIELD
KERN COUNTY CALIFORNIA

BAKERSFIELD CITY SCHOOL DISTRICT
GRADING PLAN
FOR
NEW ELEMENTARY SCHOOL
AND
NEW MIDDLE SCHOOL
AT VINELAND ROAD AND HIGHLAND KNOLLS DRIVE

GRADING NOTES:

1. ALL GRADING SHALL CONFORM TO THE CITY OF BAKERSFIELD ORDINANCES AND STANDARDS PERTAINING THERETO (CALIFORNIA BUILDING CODE, CURRENT EDITION) AND SHALL BE SUPERVISED AS ENGINEERED GRADING IN ACCORDANCE WITH CITY OF BAKERSFIELD ORDINANCES.
2. THE DESIGN ENGINEER SHALL EXERCISE SUFFICIENT SUPERVISORY CONTROL DURING GRADING AND CONSTRUCTION TO INSURE COMPLIANCE WITH THE PLANS, SPECIFICATIONS AND CODE WITHIN HIS PURVIEW.
3. THE SOIL ENGINEER, DESIGN ENGINEER, AND BUILDING OFFICIAL SHALL BE NOTIFIED 48 HOURS PRIOR TO PLACING ANY MATERIAL.
4. CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD THE OWNER, ARCHITECT, AND THE ENGINEER HARMLESS FROM ANY LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER, ARCHITECT, OR THE ENGINEER.
5. THE GRADING CONTRACTOR SHALL CONTACT ALL COMPANIES WITH UNDERGROUND FACILITIES PRIOR TO BEGINNING CONSTRUCTION AND VERIFY THE LOCATION AND DEPTH OF ALL UNDERGROUND FACILITIES, INCLUDING TELEPHONE, ELECTRIC, WATER, SEWER, OIL AND GAS LINES. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR BURIED LINES NOT INDICATED ON THE PLAN OR FOR INFORMATION OBTAINED FROM OUTSIDE SOURCES. (USA 1-800 642-2444)
6. THE GRADING CONTRACTOR SHALL BE RESPONSIBLE FOR GRADING ALL AREAS TO + OR - 0.10 FOOT. IF AN AREA SHOULD BE FOUND TO BE MORE THAN 0.10 FOOT OUT OF TOLERANCE AFTER COMPACTING AND ACCEPTANCE OF GRADING, THE CONTRACTOR SHALL RETURN AND CORRECT THE GRADING AT NO COST TO THE OWNER. THE BUILDING PAD SHALL BE GRADED TO +/- 0.05'.
7. THE CONTRACTOR SHALL WATER AS REQUIRED DURING THE GRADING OPERATIONS TO PREVENT THE OCCURRENCE OF A DUST NUISANCE AND SHALL PROTECT CURBS AND OTHER OBJECTS WHICH ARE TO REMAIN. DUST CONTROL SHALL CONFORM TO THE SAN JOAQUIN VALLEY UNIFIED AIR POLLUTION CONTROL DISTRICT REGULATIONS.
8. EXCAVATION - EXCAVATION SHALL CONSIST OF ALL EXCAVATION INVOLVED IN GRADING THE PROJECT AS SHOWN ON THE PLANS, EXCEPT ANY EXCAVATION SEPARATELY DESIGNATED AND PAID FOR AS A SEPARATE ITEM.
9. EMBANKMENTS - EMBANKMENT CONSTRUCTION SHALL CONSIST OF CONSTRUCTING EMBANKMENTS, INCLUDING THE PREPARATION OF AREAS FOR WHICH THEY ARE TO BE PLACED, THE CONSTRUCTION OF DIKES WITHIN OR OUTSIDE THE CONSTRUCTION AREA, THE PLACING AND COMPACTING OF APPROVED MATERIAL WITHIN THE CONSTRUCTION AREA WHERE UNSUITABLE MATERIAL HAS BEEN REMOVED, AND THE PLACING AND COMPACTING OF EMBANKMENT MATERIAL IN HOLES, PITS, AND DEPRESSIONS FOR THE CONSTRUCTION OF EMBANKMENTS, PREPARING SUB-GRADE AT THE GRADING PLANE, CONFORMING TO THE GRADE TOLERANCE, DOING NECESSARY PLOWING OR BENCHING, IMPORTING OR BORROW, PLACING AND COMPACTING MATERIAL TO THE LINE AND GRADES SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER. ALL EMBANKMENT CONSTRUCTION SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT PRICE PAID PER CUBIC YARD FOR FURNISHING AND PLACING THE MATERIAL OR CONSTRUCTING AS EMBANKMENT, AS THE CASE MAY BE, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR SUCH WORK.
10. THE WORK EMBRACED HEREIN SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS OF THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION DATED JULY 2007, INSOFAR AS THE SAME MAY APPLY IN ACCORDANCE WITH THE NOTES HEREON. IN CASE OF CONFLICT WITH THE STANDARD SPECIFICATIONS AND ANY NOTES HEREON, THE NOTES HEREON SHALL TAKE PRECEDENCE OVER AND BE USED IN LIEU OF SUCH CONFLICTING PORTIONS. SAID SPECIFICATIONS SHALL APPLY BUT NOT BE LIMITED TO THE FOLLOWING:
    A) ALL CONCRETE SHALL BE CLASS "3" , USING TYPE V CEMENT, AS IN ACCORDANCE WITH SECTION 90 AND SHALL HAVE AT LEAST 2500 PSI COMPRESSIVE STRENGTH AT 28 DAYS, UNLESS OTHERWISE SPECIFIED.
    B) ASPHALTIC CONCRETE SHALL BE TYPE "B", MEDIUM GRADED, 1/2" MAXIMUM AGGREGATE, AND INTIMATELY MIXED WITH 5 TO 6-1/2% ASPHALT. NO R.A.P. (RECLAIMED ASPHALT PAVEMENT) WILL BE PERMITTED.
11. IN THE EVENT CONSTRUCTION STAKING BASED ON McINTOSH & ASSOCIATES' PLANS, DRAWINGS, OR OTHER DOCUMENTS IS PERFORMED BY ANOTHER FIRM, McINTOSH & ASSOCIATES SHALL BE HELD HARMLESS AND RELEASED FROM ALL LIABILITY ARISING FROM THE USE OF SAID PLANS, DRAWINGS, OR OTHER DOCUMENTS.
12. McINTOSH & ASSOCIATES SHALL NOT BE RESPONSIBLE OR LIABLE FOR UNAUTHORIZED CHANGES TO, OR USES OF, THESE PLANS. ALL CHANGES TO THESE PLANS MUST BE APPROVED, IN WRITING, BY McINTOSH & ASSOCIATES.
13. ALL GRADING SHALL CONFORM TO THE RECOMMENDATIONS CONTAINED IN, AND MADE A PART HEREOF, THE PRELIMINARY SOIL REPORT PREPARED BY KRAZAN & ASSOCIATES, INC., PROJECT NO. 022-11004, DATED MARCH 31, 2011, TITLED "GEOTECHNICAL ENGINEERING INVESTIGATION NEW ELEMENTARY AND MIDDLE SCHOOL, VINELAND ROAD AND HIGHLAND KNOLLS DRIVE BAKERSFIELD, CALIFORNIA" AND ALL ADDENDUMS THERETO. IN CASE OF CONFLICT BETWEEN THE PLANS, SPECIFICATIONS, AND SOIL RECOMMENDATIONS, THE MORE STRINGENT REQUIREMENTS SHALL TAKE PRECEDENCE.
14. UPON COMPLETION OF GRADING AND BEFORE THE START OF CONSTRUCTION, A FINAL SOILS REPORT SHALL BE PREPARED BY THE SOIL ENGINEER.
15. THE SOIL ENGINEER SHALL REVIEW ALL EXCAVATIONS PRIOR TO BACKFILLING AND SHALL BE NOTIFIED OF ANY ITEM ENCOUNTERED DURING THE GRADING OPERATIONS THAT MIGHT AFFECT FOUNDATION STABILITY SO RECOMMENDATIONS CAN BE MADE BY THE SOIL ENGINEER.
16. FINISHED SLOPES NEARER THAN FIVE FEET FORM BUILDING FOUNDATIONS SHOULD BE GRADED NO STEEPER THAN 5:1. A SLOPE RATIO OF 2:1 SHOULD PROVIDE ADEQUATE STABILITY FOR SLOPES FARTHER THAN FIVE FEET FROM FOOTING LINES.
17. ALL SLOPES GREATER THAN THREE FEET IN VERTICAL HEIGHT SHALL BE PREPARED AND MAINTAINED TO PREVENT EROSION.
18. IMPORTED FILL MATERIAL SHALL BE IN CONFORMANCE WITH SOILS REPORT.
19. CLEARING AND GRUBBING - REMOVE ALL DEBRIS, SUCH AS METAL, TRASH, BROKEN CONCRETE, VEGETATION, OTHER BIODEGRADABLE SUBSTANCES, AND UNSUITABLE SOIL FROM AREAS TO BE GRADED. UNSUITABLE SOIL IS SOIL THAT, IN THE OPINION OF THE BUILDING OFFICIAL, SOIL ENGINEER, OR CIVIL ENGINEER, IS NOT COMPETENT TO SUPPORT OTHER SOIL OR STRUCTURES, OR TO SATISFACTORILY PERFORM ANY OTHER FUNCTIONS FOR WHICH THE SOIL IS INTENDED.
20. AREAS TO RECEIVE FILL SHALL BE SCARIFIED SIX INCHES, BROUGHT TO NEAR OPTIMUM MOISTURE, AND UNIFORMLY COMPACTED TO AT LEAST 90% OF THE MAXIMUM DENSITY PER ASTM D1557-78, UNLESS OTHERWISE NOTED.
21. ENGINEERED FILL SHALL BE PLACED IN LAYERS NOT EXCEEDING SIX INCHES IN UNCOMPACTED THICKNESS AND COMPACTED TO 90% OF THE MAXIMUM DENSITY PER ASTM D1557-78, UNLESS SPECIFIED OTHERWISE.
22. CONTRACTOR TO VERIFY DIMENSIONS AND ELEVATIONS OF EXISTING IMPROVEMENTS IN FIELD BEFORE PROCEEDING WITH WORK. ANY DISCREPANCIES THAT WILL AFFECT RE-INS TO EXISTING IMPROVEMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE PROCEEDING WITH ANY WORK.
23. QUANTITIES FOR EARTHWORK

CUT	-	125318 CU. YD.
EMBANKMENT	-	128168 CU. YD.
OVER EXCAVATION	-	30436 CU. YD.
IMPORT	-	30000 CU. YD.

    QUANTITIES ARE FOR GRADING ESTIMATE ONLY. THE ENGINEER MAKES NO WARRANTY OF THE ANTICIPATED SHRINKAGE FACTOR. IN CASE OF EXCESS OR SHORTAGE, THE CONTRACTOR SHALL CONTACT THE ENGINEER SO THAT ADJUSTMENTS MAY BE MADE. THE CONTRACTOR SHALL NOT USE THESE QUANTITIES TO BASE HIS BID ON.
24. BUILDING PAD PREPARATION: EXCAVATE EARTH MATERIALS TO A MINIMUM DEPTH OF THREE FEET BELOW LOWEST EXISTING GRADE IN EACH OF THE PROPOSED BUILDING AREAS. THE BOTTOM OF THE EXCAVATION SHALL BE REVIEWED BY THE SOILS ENGINEER. SCARIFY THE BOTTOM OF THE EXCAVATION 12 INCHES, MOISTEN TO NEAR OPTIMUM MOISTURE CONTENT, AND RECOMPACT TO 90% OF THE MAXIMUM DENSITY PER ASTM D1557. WORK TO LINES FIVE FEET BEYOND THE OUTSIDE EDGES OF EXTERIOR FOOTINGS.
25. PAVEMENT AREA PREPARATION: SCARIFY TWELVE INCHES BELOW THE GRADING PLANE, MOISTEN TO NEAR OPTIMUM MOISTURE CONTENT, AND RECOMPACT TO 90% OF THE MAXIMUM DENSITY PER ASTM D1557. IN ADDITION, THE TOP EIGHT INCHES OF SUBGRADE SHALL BE COMPACTED TO A MINIMUM OF 95% OF THE MAXIMUM DENSITY PER ASTM D1557. WORK TO LINES AT LEAST TWO FEET BEYOND THE OUTSIDE EDGES OF PAVEMENTS.
26. PRIOR TO COMMENCING ANY WORK WITHIN THE CITY RIGHT-OF-WAY, THE CONTRACTOR SHALL OBTAIN AN OPEN-STREET PERMIT FROM THE CITY PUBLIC WORKS DEPARTMENT. UNLESS SECURED BY A SUBDIVISION AGREEMENT, SECURITY BASED ON AN APPROVED ENGINEER'S ESTIMATE FOR THE WORK PERFORMED WITHIN THE RIGHT OF WAY AND INSURANCE AS REQUIRED SHALL BE PROVIDED PRIOR TO ISSUANCE OF A PERMIT.
27. AN OSHA PERMIT IS REQUIRED WHEN WORKERS MUST ENTER TRENCHES OR EXCAVATION FIVE (5) FEET OR DEEPER.
28. ALL TRENCHES AND EXCAVATIONS SHALL BE CONSTRUCTED IN STRICT COMPLIANCE WITH THE APPLICABLE CALIFORNIA AND FEDERAL O.S.H.A. REQUIREMENTS AND OTHER APPLICABLE SAFETY ORDINANCES. CONTRACTOR SHALL BEAR FULL RESPONSIBILITY FOR TRENCH SHORING DESIGN AND INSTALLATION. CONTRACTORS SHALL OBTAIN APPLICABLE O.S.H.A. PERMITS WHEN WORKMEN MUST ENTER TRENCHES GREATER THAN FIVE FEET. REFER TO SOILS REPORT FOR ALLOWABLE SLOPES.
29. PRIOR TO COMMENCING CONSTRUCTION, CONTRACTOR SHALL POTHOLE ALL UTILITY CROSSINGS THAT WILL BE AFFECT THIS CONSTRUCTION, INCLUDING WATER, SEWER, AND STORM DRAIN, TO DETERMINE IF ANY UTILITY CONFLICTS EXIST. ANY UTILITY CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER SO THAT DESIGN CHANGES CAN BE MADE PRIOR TO THE START OF CONSTRUCTION.
30. AT THE INITIAL CONSTRUCTION MEETING PRIOR TO GRADING ACTIVITIES, ALL CONSTRUCTION WORKERS MUST BE INFORMED AS TO THE SYMPTOMS OF VALLEY FEVER.
31. *THE CONTRACTOR SHALL COMPLY WITH THE GUIDE FOR ASSESSING AND MITIGATING AIR QUALITY IMPACTS (GAMAQI), JANUARY 10, 2002 REVISION, GUIDANCE DOCUMENT WHICH LISTS THE FOLLOWING MEASURES AS APPROVED AND RECOMMENDED FOR CONSTRUCTION ACTIVITIES WITHIN THE SAN JOAQUIN VALLEY AS FOLLOWS:*
    - *A. MAINTAIN ALL CONSTRUCTION EQUIPMENT AS RECOMMENDED BY MANUFACTURER MANUALS.*
    - *B. SHUT DOWN EQUIPMENT WHEN NOT IN USE FOR EXTENDED PERIODS OF TIME.*
    - *C. USE ELECTRIC EQUIPMENT FOR CONSTRUCTION WHENEVER POSSIBLE IN LIEU OF DIESEL OR GASOLINE POWERED EQUIPMENT.*
    - *D. CURTAIL USE OF HIGH-EMITTING CONSTRUCTION EQUIPMENT DURING PERIODS OF HIGH OR EXCESSIVE AMBIENT POLLUTANT CONCENTRATIONS SUCH AS "SPARE-THE-AIR" DAYS AS DECLARED BY THE SJVAPCD.*
    - *E. ENCOURAGE CONSTRUCTION EMPLOYEES TO CARPOOL OR USE SHUTTLE TO RETAIL ESTABLISHMENTS AT LUNCH.*
32. IF THE PROJECT IS SUBJECT TO THE PROVISIONS OF THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES), A "NOTICE OF INTENT" (NOI) TO COMPLY WITH THE TERMS OF THE GENERAL PERMIT TO DISCHARGE STORM WATER ASSOCIATED WITH CONSTRUCTION ACTIVITY (WQ ORDER NO. 92-08-DWQ) MUST BE FILED WITH STATE WATER RESOURCES CONTROL BOARD IN SACRAMENTO BEFORE THE BEGINNING OF ANY CONSTRUCTION ACTIVITY. COMPLIANCE WITH THE GENERAL PERMIT REQUIRES THAT A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) BE PREPARED, CONTINUOUSLY CARRIED OUT, AND ALWAYS BE AVAILABLE FOR PUBLIC INSPECTION DURING NORMAL CONSTRUCTION HOURS.
33. DUST CONTROL
    CONTRACTOR SHALL OBTAIN A COPY OF THE DUST CONTROL PLAN (DCP) FOR THIS PROJECT FROM THE DEVELOPER, AND SHALL KEEP A COPY ON SITE AT ALL TIMES. FOR THE DURATION OF CONTRACTOR'S OCCUPANCY OF THE SITE, CONTRACTOR IS REQUIRED TO COMPLY WITH THE PROVISIONS OF SAID PLAN.
34. STORM WATER POLLUTION PREVENTION:
    CONTRACTOR SHALL OBTAIN A COPY OF THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) FOR THIS PROJECT FROM THE DEVELOPER, AND SHALL KEEP A COPY ON SITE AT ALL TIMES. FOR THE DURATION OF CONTRACTOR'S OCCUPANCY OF THE SITE, CONTRACTOR IS REQUIRED TO COMPLY WITH THE PROVISIONS OF SAID PLAN.
35. LANDSCAPE AREAS ARE TO BE GRADED TO MINIMIZE EXCESS LANDSCAPE DRAINAGE ACROSS THE SIDEWALK FOR THOSE AREAS OVER 2%

SEWER NOTES:

GENERAL

1. CONTRACTOR WILL FURNISH ALL MATERIALS, TOOLS, LABOR, EQUIPMENT AND SUPERVISION NECESSARY TO COMPLETE INSTALLATION.

PVC PIPE

2. MATERIALS: PIPE AND FITTINGS SHALL MEET THE REQUIREMENTS OF THE CURRENT ASTM SPECIFICATION D-3034 FOR SDR35. PIPE AND FITTINGS SHALL BE HOMOGENEOUS THROUGH OUT AND FREE FROM CRACKS, HOLES, FOREIGN INCLUSIONS OR OTHER INJURIOUS DEFECTS. FITTINGS SHALL BE INJECTION MOLDED AND SHALL BE INSTALLED IN LINE ON NEW PIPELINES; CUT-IN FITTINGS ARE NOT PERMITTED. JOINTS: USE ONLY ELASTOMERIC GASKET JOINTS. THE ASSEMBLY OF JOINTS SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS WHERE PVC PIPE CONNECTS TO VCP PIPE, USE COUPLINGS APPROVED BY THE CITY OF BAKERSFIELD. INSTALLATION: PIPE AND FITTINGS SHALL BE INSTALLED IN ACCORDANCE WITH THE CURRENT ASTM SPECIFICATION D-2321. ONLY CLASS I AND II EMBEDMENT MATERIALS WILL BE CONSIDERED SUITABLE.
3. WYE FITTINGS SHALL BE INJECTION MOLDED IN-LINE TYPE AND SHALL BE USED FOR ALL LATERAL CONNECTIONS.
4. ALL SEWER STUBS SHALL BE CLOSED WITH A STANDARD PLASTIC PLUG AND SOLVENT WELDED.
5. WATER JETTING AND FLOODING SHALL NOT BE USED FOR BACKFILL COMPACTION.
6. UNDERGROUND SERVICE ALERT (USA) SHALL BE NOTIFIED AT LEAST 2 WORKING DAYS PRIOR TO CONSTRUCTION. TELEPHONE 1-800-642-2444.
7. CONTRACTOR TO CALL USA, TO LOCATE AND POTHOLE, ALL MARKED UTILITIES THAT CROSS, OR ARE WITHIN 5' HORIZONTAL DISTANCE OF SEWER AND STORM DRAIN LINES. VERTICAL AND HORIZONTAL LOCATION SHALL BE ASCERTAINED BY THE CONTRACTOR AHEAD OF ANY EXCAVATIONS TO VERIFY THAT THE PROPOSED DESIGN DOES NOT CONFLICT WITH ANY UTILITIES. IN THE EVENT, A CONFLICT EXISTS, THE ENGINEER SHALL BE NOTIFIED IN ORDER TO REDESIGN THE ALIGNMENT. IF RELOCATION OF EXISTING UTILITIES IS DEEMED NECESSARY, THE CONTRACTOR SHALL BE COMPENSATED FOR INSTRUCTED RELOCATION. IF REDESIGN OF THE ALIGNMENT REQUIRES ADDITIONAL FITTINGS, PIPE OR EXCAVATION, THE CONTRACTOR SHALL BE COMPENSATED FOR REVISION.
    IN THE EVENT, A UTILITY IS DAMAGED, THE CONTRACTOR SHALL BE WHOLLY RESPONSIBLE FOR ITS REPAIR.
8. CONTRACTOR SHALL VERIFY LOCATIONS AND ELEVATIONS OF EXISTING SEWER AND STORM DRAIN LINES THAT NEW SYSTEM TIES INTO PRIOR TO TRENCHING. ANY DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER, SO THAT ANY NECESSARY ADJUSTMENTS MAY BE MADE. UTILITIES SHALL BE THOROUGHLY RESEARCHED AND LOCATED BY CONTRACTOR PRIOR TO TRENCHING. CROSSING UTILITIES SHALL BE DAYLIGHTED AND CHECKED FOR GRADE, BY CONTRACTOR PRIOR TO TRENCHING.

GENERAL UTILITY NOTES:

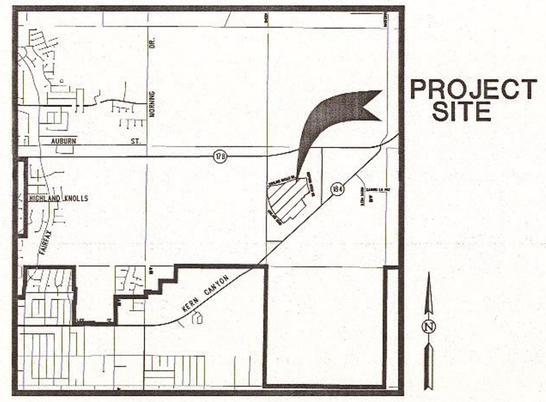
1. PRIOR TO ANY ON-SITE TRENCHING, CONTRACTOR SHALL CALL FOR USA LOCATE AND SHALL POTHOLE ALL MARKED UTILITIES THAT CROSS OR ARE WITHIN 5' HORIZONTAL DISTANCE OF ALL UNDERGROUND UTILITY LINES TO BE INSTALLED. VERTICAL AND HORIZONTAL LOCATIONS SHALL BE ASCERTAINED BY THE CONTRACTOR AHEAD OF ANY CONSTRUCTION TO VERIFY THAT THE PROPOSED DESIGN DOES NOT CONFLICT WITH ANY EXISTING UTILITIES. IN THE EVENT A CONFLICT EXISTS, THE ENGINEER SHALL BE NOTIFIED IN ORDER TO SEE IF THE PROPOSED ALIGNMENT CAN BE ADJUSTED. IF RELOCATION OF EXISTING UTILITIES IS DEEMED NECESSARY, THE CONTRACTOR SHALL BE COMPENSATED FOR INSTRUCTED RELOCATION. IF REDESIGN OF ALIGNMENT REQUIRES ADDITIONAL FITTINGS, PIPE, OR EXCAVATION THE CONTRACTOR SHALL BE COMPENSATED FOR REVISION. IN THE EVENT A UTILITY IS DAMAGED, THE CONTRACTOR SHALL BE WHOLLY RESPOSIBLE FOR ITS REPAIR.
2. CONTRACTOR SHALL VERIFY LOCATIONS AND ELEVATIONS OF EXISTING SEWER, STORM, AND WATER LINES THAT THE NEW SYSTEM TIES INTO OR CROSSES PRIOR TO ANY CONSTRUCTION. CROSSING UTILITIES SHALL BE DAYLIGHTED AND CHECKED FOR GRADE, BY CONTRACTOR PRIOR TO TRENCHING. ANY DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER SO THAT ANY NECESSARY ADJUSTMENTS MAY BE MADE.

LEGEND:

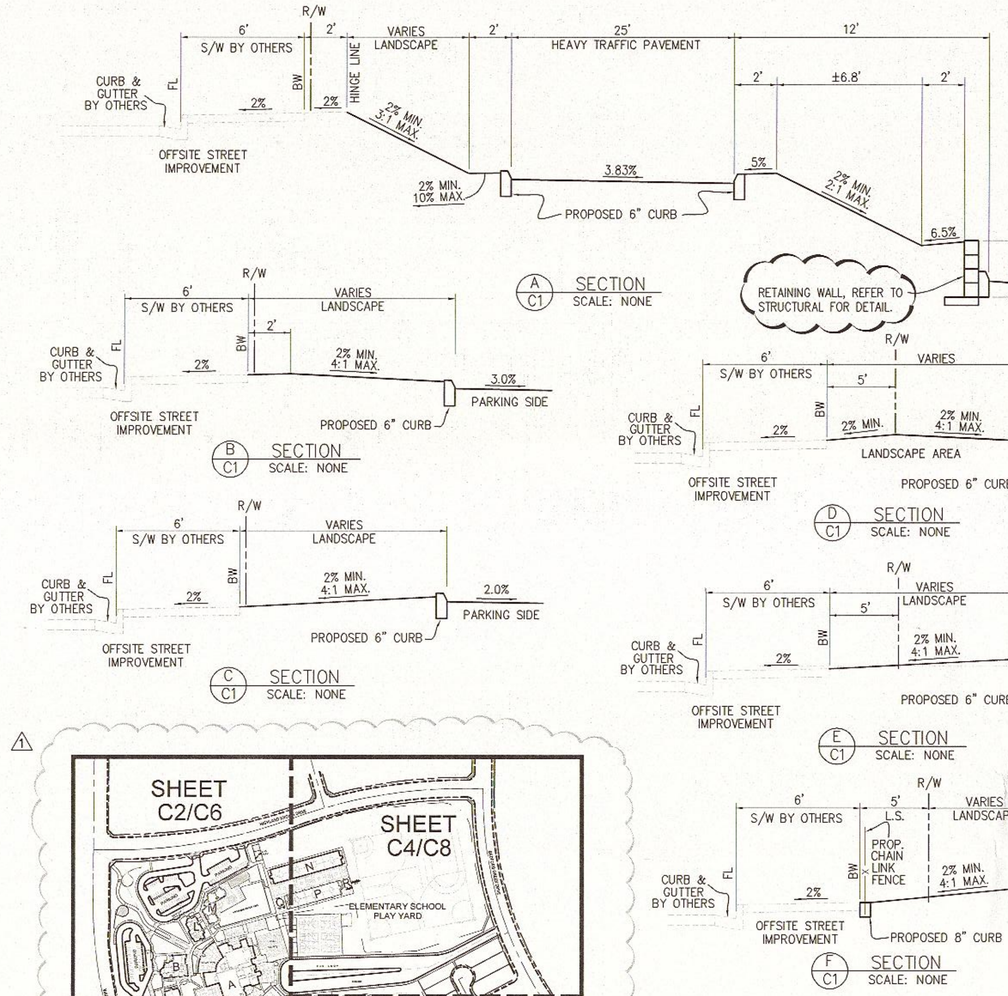
ABBREVIATIONS		
EX.	EXISTING	
TYP.	TYPICAL	
℄	CENTERLINE	
CONC.	CONCRETE	
A.C.	ASPHALT CONCRETE	
O.H.	OVERHEAD	
L.S.	LANDSCAPE	
EG	EXISTING GROUND	
TC	TOP OF CURB	
G.B.	GRADE BREAK	
RAD.	RADIAL	
TP	TOP OF PAVEMENT	
FP	FINISHED PAD	
FF	FINISHED FLOOR	
FG	FINISH GRADE	
FC	FINISH CONCRETE	
EP	EDGE OF PAVEMENT	
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	
696.50'	SEWER/DRAIN INVERT ELEV.	
12"C-W	SEWER/DRAIN DIRECTION	
	PIPE SIZE	
DRAIN LINE IDENTIFICATION		
D	DRAIN DIRECTION	
D1	DRAIN LINE NO. (SEE TABLE)	
B1	BUILDING DESIGNATION	

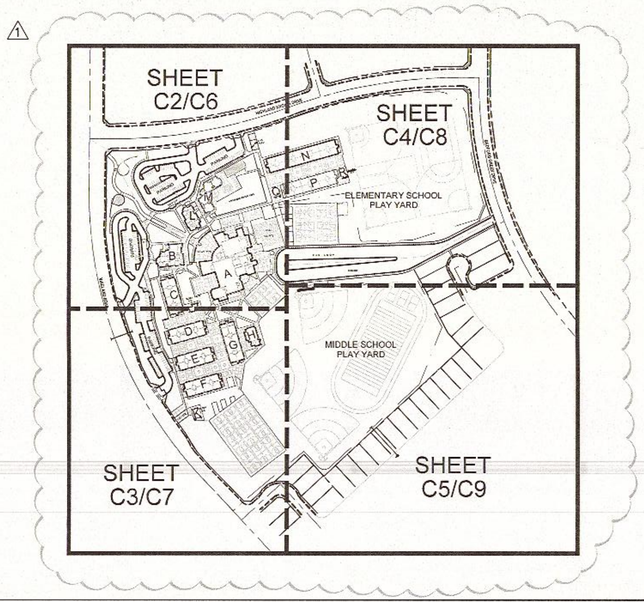
- PROPOSED CURB
- PROPOSED CURB AND GUTTER
- PROPOSED STORM DRAIN LINE
- PROPOSED SEWER LINE
- PROPOSED WATER LINE
- PROJECT BOUNDARY
- GRADE BREAK
- PROPOSED SWALE LINE
- PROPOSED FENCELINE
- EXISTING STORM DRAIN LINE
- R1 TRAFFIC SIGN
- PROPOSED SEWER MANHOLE
- PROPOSED DRAIN/SEWER CLEANOUT
- PROPOSED STORM DRAIN MANHOLE
- CONSTRUCTION NOTES
- 2.0% SURFACE SLOPE
- WATER VALVE W/ SIZE
- THRUST BLOCK-SEE SHEET C11

SECTION DESIGNATION:
SECTION LETTER A / SHEET WHERE SECTION IS SHOWN 2



VICINITY MAP
NO SCALE





BENCHMARK:

U.S.G.S. Y-292, ELEVATION = 782.57
B.C. IN 9" CONC. PAD 14.5' N.W. OF STREET SIGN AND 51.50' FROM CENTERLINE OF HIGHWAY 178 AND LENE PLACE.

BASIS OF BEARINGS:

THE BEARING OF N00°32'24"E, SHOWN FOR THE EAST LINE OF PARCEL 1 OF PARCEL MAP NO. 10182, FILED FOR RECORD IN BOOK 47 AT PAGES 120 AND 121 IN THE OFFICE OF THE KERN COUNTY RECORDER, WAS USED AS THE BASIS OF BEARINGS HEREON.

LEGAL DESCRIPTION:

BEING ALL THOSE PORTIONS OF PARCELS 1 THRU 3 OF PARCEL MAP NO. 10182 FIELD FOR RECORD IN BOOK 47 OF PARCEL MAPS AT PAGES 120 AND 121, IN THE OFFICE OF THE KERN COUNTY RECORDER; ALSO BEING A PORTION OF SECTION 20, TOWNSHIP 29 SOUTH, RANGE 29 EAST, M.D.M., CITY OF BAKERSFIELD, COUNTY OF KERN, STATE OF CALIFORNIA.

NOTES:

NOT ALL UNDERGROUND UTILITIES OR FACILITIES WERE LOCATED BY THIS SURVEY AND THE SURVEYOR ASSUMES NO RESPONSIBILITY FOR UNDERGROUND UTILITIES NOT SHOWN OR FOR INFORMATION DERIVED FROM ANY OUTSIDE SOURCES.

VERIFY FINISH PAD ELEVATION WITH STRUCTURAL PLANS.
VERIFY FOUNDATION TRANSITIONS WITH STRUCTURAL PLANS.

ORDIZ MELBY ARCHITECTS, INC.
5500 MING AVENUE SUITE 280
BAKERSFIELD, CALIFORNIA 93309
TELEPHONE (661) 832-5258
FACSIMILE (661) 832-4291

LICENSED ARCHITECT DANNY ESPINOZA ORDIZ No. C- 14728 MAY 31, 2011 RENEWAL DATE 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 HIGLAND 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	05-11-12	Removed retaining wall from section

JOB NUMBER: 200101244
CAD DRAWING FILE: 10021GP01
DRAWN BY: SLU
CHECKED BY: RRJ

CHECK AND VERIFY ALL DIMENSIONS BEFORE PROCEEDING WITH THE WORK. REPORT DISCREPANCIES TO THE ARCHITECT.

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SHEET TITLE

GRADING PLAN COVER SHEET & NOTES

SHEET INDENTIFICATION NUMBER

C1

SHEET OF

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

DATE: _____

McINTOSH & ASSOCIATES
LAND SURVEYING - CIVIL ENGINEERING (C) 2012
2000 WILLOW COURT - BAKERSFIELD, CA 93309
(661) 834-4814 834-0972 FAX

10-021