GENERAL NOTES

1. CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY HORIZONTAL AND VERTICAL ALIGNMENT OF ALL EXISTING AND PROPOSED IMPROVEMENTS TO BE MET BY WORK TO BE DONE PRIOR TO CONSTRUCTION. IN THE EVENT THAT THE ALIGNMENT IS IN CONFLICT WITH THE WORK TO BE DONE, CONTRACTOR SHALL STOP WORK IMMEDIATELY AND NOTIFY THE ARCHITECT OF THE CONFLICT.

   THE CONTRACTOR SHALL VERIFY THE EXISTENCE AND LOCATION OF ALL UTILITIES BEFORE COMMENCING WORK. NOTICE OF THE PROPOSED WORK SHALL BE GIVEN TO THE FOLLOWING AGENCIES.

SOUTHERN CALIFORNIA EDISON	(213) 720-5253
PACIFIC BELL	(818) 578-2063
CHARTER CABLE	(818)-300-6121
WATER: SAN GABRIAL COUNTY WATER DISTRICT	(818) 287-0341
SUNNY SLOPE WATER DISTRICT	(626) 287-5238
SEWER: CITY OF SAN GABRIAL	(818) 458-0130
GAS: THE GAS CO.	(213) 881-8331

2. THE LOCATION OF EXISTING UNDERGROUND FACILITIES ARE INDICATED ON THE PLANS AS A RESULT OF A SEARCH OF THE AVAILABLE RECORDS. LOCATIONS HAVE NOT BEEN FIELD VERIFIED. CONTRACTOR IS DIRECTED TO REQUEST UTILITY MARK OUT AND TO EXCAVATE AND VERIFY LOCATIONS PRIOR TO EXCAVATIONS. ENGINEER OF WORK DOES NOT ASSUME RESPONSIBILITY FOR THE ACCURACY OF ANY UTILITY LOCATIONS INDICATED ON THE PLANS.

3. ENGINEER OF WORK IS NOT RESPONSIBLE FOR JOB SAFETY.

GRADING NOTES

1. GRADING SHALL BE PERFORMED IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE PRELIMINARY GEOTECHNICAL REPORT FOR THIS PROJECT.
2. SITE GRADING SHALL BE PERFORMED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (2000 EDITION), THESE PLANS AND THE PROJECT SPECIFICATIONS.
3. THE MINIMUM GRADIENT FOR GRADED SWALES SHALL BE 1%.
4. THE MINIMUM GRADIENT OF FINISHED GRADE AWAY FROM STRUCTURES SHALL BE 2%.
5. FINISH GRADE SHALL BE DETERMINED AS THE ELEVATION OF ANY LANDSCAPE MATERIAL PLACED ON GRADE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO UNDERCUT GRADE TO ALLOW FOR PLACEMENT OF LANDSCAPE MATERIALS.
6. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO HANDLE ANY EXPORT OF EXCESS MATERIAL FOR THE SITE. RESPONSIBILITY SHALL INCLUDE ALL PERMITS AND APPROVALS BY THE APPROPRIATE AGENCIES. THE OWNER AND ENGINEER OF WORK WILL NOT ASSUME ANY RESPONSIBILITY FOR THE REMOVAL, TRANSPORTATION OR PLACEMENT OF EXCESS MATERIAL.
7. FINISH GRADE SHALL BE INSPECTED BY THE ENGINEER OF WORK AND VERIFIED THAT THE ACTUAL GRADING IS REPRESENTATIVE OF THE PROPOSED GRADING AND THAT THE MINIMUM SLOPE GRADIENTS EXIST.
8. THE MAXIMUM SLOPE GRADIENT SHALL BE 2:1 (HORIZONTAL TO VERTICAL).
9. CONCRETE CURBS AND GUTTERS SHALL BE INSTALLED IN ACCORDANCE WITH THE REFERENCED DETAIL AND THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (SSPWC) (2006 EDITION).
10. SAW CUTTING OF EXISTING IMPROVEMENTS SHALL PROVIDE A CLEAN VERTICAL EDGE VOID OF CHIPPING.
11. CONTRACTOR SHALL BE RESPONSIBLE FOR THE TIMELY REMOVAL OF ALL SPOIL MATERIALS CREATED BY THE DEMOLITION OF EXISTING IMPROVEMENTS.
12. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION OF EXISTING IMPROVEMENTS. CONTRACTOR SHALL, IN ADVANCE OF CONSTRUCTING IMPROVEMENTS, NOTIFY THE ENGINEER OF WORK OF ANY CONFLICTS BETWEEN THE PROPOSED DESIGN AND EXISTING IMPROVEMENTS. THE ENGINEER OF WORK SHALL REVIEW THE CONFLICTS AND MAKE RECOMMENDATIONS FOR RESOLUTION IN A TIMELY MANNER.
13. SIDEWALK FINISHES AND JOINT DETAILS SHALL BE SPECIFIED ON THE ARCHITECTURAL DRAWINGS.
14. CONCRETE PAVEMENTS SHALL BE :

    WALKS : 520-C-2500 4" THICK

    DRIVES : 560-C-3250 6" THICK

    CURBS : 520-C-2500

15. ASPHALT PAVEMENTS SHALL BE:

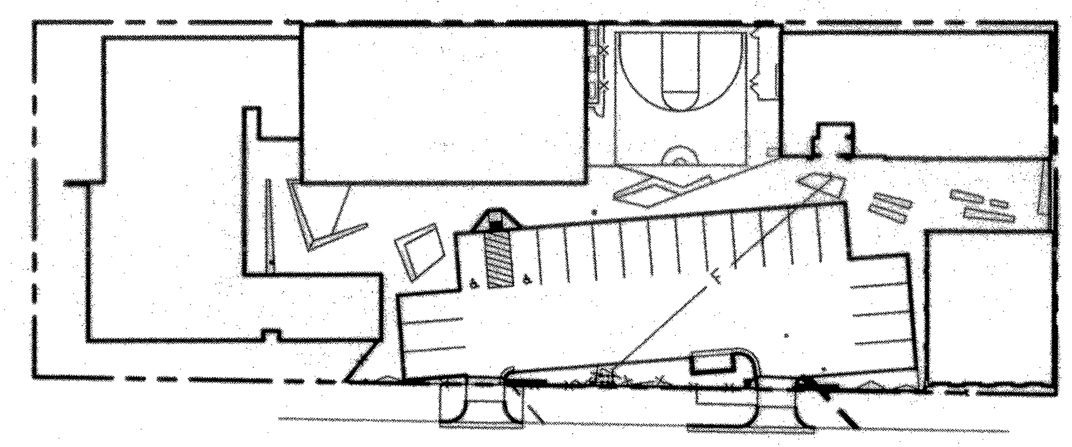
    PARKING : 4" PAVING OVER 6" BASE/12" SCARIFIED & COMPACTED NATIVE (95%)

    SITE : 4" PAVING OVER 4" BASE/12" SCARIFIED & COMPACTED NATIVE (95%)

16. THE CONTRACTOR IS RESPONSIBLE FOR THE PREVENTION OF DAMAGE TO THE ADJACENT PROPERTY. NO PERSON SHALL EXCAVATE ON LAND SO CLOSE TO THE PROPERTY LINE AS TO ENDANGER ANY ADJOINING PUBLIC STREET, SIDEWALK, ALLEY, FUNCTION OF ANY SEWAGE DISPOSAL SYSTEM OR ANY OTHER PUBLIC OR PRIVATE PROPERTY WITHOUT SUPPORTING AND PROTECTING SUCH PROPERTY FROM SETTLING, CRACKING, EROSION, SILTING,SCOUR OR OTHER DAMAGE WHICH MIGHT RESULT FROM THE GRADING DESCRIBED ON THIS PLAN.

UTILITY NOTES

1. THE SITE UTILITIES ARE EXTENSIONS OF THE EXISTING PRIVATELY MAINTAINED CAMPUS. INSTALLATION SHALL BE REVIEWED AND APPROVED BY THE CONSTRUCTION MANAGER.
2. ALL SEWER PIPE SHALL BE PVC, SDR-35 WITH GASKETED JOINTS.
3. ALL SEWER FITTINGS SHALL BE GASKETED JOINTS.
4. SEWER PIPE INSTALLATION SHALL BE IN ACCORDANCE WITH THE DETAILS, SUBSTITUTING SEWER WHERE STORM DRAIN IS REFERENCED.
5. CLEAN OUTS SHALL BE INSTALLED IN ACCORDANCE WITH THE UNIFORM PLUMBING CODE (2006 EDITION).
6. SEWER PIPING SHALL BE PLACED AT A GRADIENT OF 1% OR GREATER .
7. WATER LATERALS SHALL BE COPPER TUBING CONFORMING TO ASTM STANDARD SPECIFICATION NO. B88 FOR SEAMLESS COPPER WATER TUBE, TYPE K SOFT.
8. WATER LATERAL FITTINGS SHALL BE COMPRESSION TYPE. NO SOLDERED FITTINGS WILL BE ALLOWED.



KEY MAP
SCALE 1"=40'

STORM DRAIN NOTES

1. ALL DRAIN PIPE TO BE P.V.C. SDR-35 OR R.C.P. (1500-D) AND BE INSTALLED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (2006 EDITION) AND DETAILS INCLUDED ON THESE PLANS.
2. ALL DRAIN PIPE CONNECTIONS SHALL BE GASKETED BELL AND SPIGOT IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTION.
3. ALL DRAIN PIPE FITTINGS SHALL BE BELL AND SPIGOT FITTINGS.
4. ALL LATERAL CONNECTIONS TO MAIN DRAIN LINES SHALL BE ACCOMPLISHED WITH A WYE CONNECTION. TEE CONNECTIONS WILL NOT BE ALLOWED.
5. PRECAST CONCRETE CATCH BASINS SHALL BE SAN DIEGO PRECAST OR NDS AS INDICATED IN THE DETAILS OR APPROVED EQUAL.
6. CATCH BASIN GRATES SHALL BE CAST IRON OR PLASTIC AS INDICATED IN THE DETAILS.
7. STORM DRAIN PIPE SHALL BE INSTALLED IN THE TRENCH AS INDICATED IN THE DETAILS.
8. TRENCH BACKFILL SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (2006 EDITION) SECTION 306-1.3.2 FOR MECHANICALLY COMPACTED BACKFILL. HAND DIRECTION MECHANICAL TAMPERS SHALL BE THE PREFERRED METHOD OF COMPACTION.
9. ALL DRAINAGE FACILITIES SHALL BE INSTALLED PRIOR TO THE INSTALLATION OF ANY SURFACE IMPROVEMENTS, I.E. CONCRETE FLAT WORK.
10. NO LANDSCAPING SHALL BE PLACED AS TO INTERFERE WITH THE POSITIVE DRAINAGE OF SWALES TO CATCH BASINS OR AREA DRAINS.
11. AFTER COMPLETION OF CONSTRUCTION AND ACCEPTANCE BY THE OWNER, ALL DRAINAGE FACILITIES SHALL BE CONTINUALLY MAINTAINED BY THE OWNER WITH MONTHLY INSPECTIONS OF CATCH BASINS, DRAIN LINES, EARTH SWALES, AND CONCRETE DITCHES BEING MADE TO INSURE THE DRAIN SYSTEM IS IN WORKING ORDER AND FREE FROM OBSTRUCTIONS AND SILTATION.

EROSION CONTROL NOTES

1. INSTALL EMERGENCY EROSION CONTROL MEASURES TO CONTROL SOIL MOVEMENT SATISFACTORY TO THE DEPARTMENT OF STATE ARCHITECTURE IN THE EVENT THE SITE IS EXPOSED TO EROSION DURING THE PERIOD BETWEEN NOVEMBER 1 TO APRIL 15. EROSION CONTROL MEASURES SHALL INCLUDE BUT NOT BE LIMITED TO, SLOPE PROTECTION, INSTALLATION OF JUTE MATTING OR APPROVED EQUIVALENT, DESILTING BASINS, ENERGY DISSIPATORS, SILT CONTROL, SAND BAGGING AND STORM DRAINS.
2. ALL BUILDING PADS TO BE DIKED AND THE DIKES MAINTAINED TO PREVENT WATER FROM FLOWING FROM THE PADS WITHOUT CAUSING EROSION, OR CONSTRUCT DRAINAGE FACILITIES TO THE SATISFACTION OF THE STATE DEPARTMENT OF ARCHITECTURE THAT WILL ALLOW WATER TO DRAIN FROM THE PAD WITHOUT CAUSING EROSION.
3. TOPS OF ALL SLOPES TO BE DIKED OR TRENCHED TO PREVENT WATER FROM FLOWING OVER THE CRESTS OF SLOPES.
4. AS SOON AS CUTS OR EMBANKMENTS ARE COMPLETED, BUT NOT LATER THAN NOVEMBER 1, ALL CUT AND FILL SLOPES SHALL BE STABILIZED WITH A HYDROMULCH MIXTURE. BETWEEN NOVEMBER 1 AND APRIL 15, APPROVED SLOPE PROTECTION MEASURES SHALL PROCEED IMMEDIATELY BEHIND THE EXPOSURE OF CUT SLOPES AND/OR THE CREATION OF EMBANKMENT SLOPES.
5. A TEMPORARY IRRIGATION SYSTEM TO BE INSTALLED NOT LATER THAN MAY 15, FOLLOWING THE PLANTING OF THE SLOPES OR CONTRACTOR MAY WATER SLOPES WITH WATER TRUCK UNTIL HYDROMULCH HAS ESTABLISHED ITSELF TO THE SATISFACTION OF THE STATE DEPARTMENT OF ARCHITECTURE.
6. THE CONTRACTOR TO MAINTAIN THE PLANTING AND EROSION CONTROL MEASURES DESCRIBED ABOVE UNTIL RELIEVED OF THE SAME BY THE OWNER.THE CONTRACTOR TO REMOVE ALL SOIL INTERCEPTED BY THE SAND BAGS, CATCH BASINS AND DESILTING BASINS AND KEEP THESE FACILITIES CLEAN AND FREE OF SILT AND SAND AS DIRECTED BY THE OWNER. THE CONTRACTOR SHALL REPAIR ANY ERODED SLOPES AS DIRECTED BY THE OWNER. THE CONTRACTOR WILL BE RELIEVED OF THIS CONDITION UPON COMPLETION OF THE CONTRACT AND ACCEPTANCE BY THE OWNER.

WORK TO BE DONE

THE GRADING AND IMPROVEMENTS CONSIST OF THE FOLLOWING WORK TO BE DONE IN ACCORDANCE WITH THESE PLANS, THE PROJECT SPECIFICATIONS AND THE STANDARD DRAWINGS OF THE CITY OF SAN GABRIEL.

STANDARD SPECIFICATIONS

STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (2006 EDITION)

STANDARD DRAWINGS

STANDARD DRAWINGS OF THE CITY OF SAN GABRIEL

LEGEND

IMPROVEMENT	STD. DWG.	SYMBOL
PROPERTY LINE		
EXISTING CONTOUR		1050
EXISTING ELEVATION		x 48.50
PROPOSED CONTOUR		50
PROPOSED ELEVATION		48.50
DIRECTION OF DRAINAGE		
AC PAVEMENT		
CONCRETE PAVEMENT		
BUILDING PERIMETER		
RETAINING WALL		
EXISTING TREE		
4" FIRE WATER MAIN, DIP CL350		F F
THRUST BLOCK		
FIRE SERVICE (SIZE AS INDICATED ON PLAN)		X" FS
EXISTING FIRE SERVICE		F F
EXISTING SEWER		S S
EXISTING WATER MAIN		W W
EXISTING FIRE HYDRANT		
EXISTING WATER VALVE		
EXISTING GAS LINE		G G
EXISTING TELCO CONDUIT		T T
EXISTING ELECTRICAL CONDUIT		E E

ABBREVIATIONS

TC	TOP OF CURB
TW	TOP OF WALL
IE	INVERT ELEVATION
FL	FLOW LINE
G	GRATE
PVC	POLY VINYL CHLORIDE
SDR	STANDARD DIMENSION RATIO
BM	BENCH MARK
AC	ASPHALT CONCRETE PAVEMENT
CONC.	CONCRETE
HP	HIGH POINT
EXIST.	EXISTING
FH	FIRE HYDRANT
WM	WATER METER
TYP.	TYPICAL
( )	EXISTING

ENGINEER OF WORK

Snipes-Dye associates
civil engineers and land surveyors
8348 CENTER DRIVE, STE. G, LA MESA, CA 91942
TELEPHONE (619) 697-9234 FAX (619) 460-2033
1-28-10
ROBERT L. BRUCKART R.C.E. 48158
EXPIRES 06-30-10

REGISTERED PROFESSIONAL ENGINEER · ROBERT L. BRUCKART JR. · No. 48158 · Exp. 6-30-10 · CIVIL · STATE OF CALIFORNIA

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IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
03-112620
AC FLS SS
DATE

LICENSED ARCHITECT · KEVIN S. FLEMING · NO. C26668 · 08-31-11 RENEWAL DATE · STATE OF CALIFORNIA

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Written dimensions shall have precedence over scaled dimensions. Contractors shall verify and be responsible for all dimensions and conditions on the job and the Architect shall be informed of any variations from the dimensions and conditions show on the drawing. Shop drawings shall be submitted to the Architect for approval before proceeding with fabrication.

Del Mar High School
312 Del Mar Ave
San Gabriel, CA 91776

NOTES, LEGEND, ABBREVIATIONS

Project Number	20318
Date	FEBRUARY, 2010
Drawn By	BMW
Checked By	RLB
	C0.1
Scale	NO SCALE

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Plotted Thursday January 28, 2010 2:52pm by brent