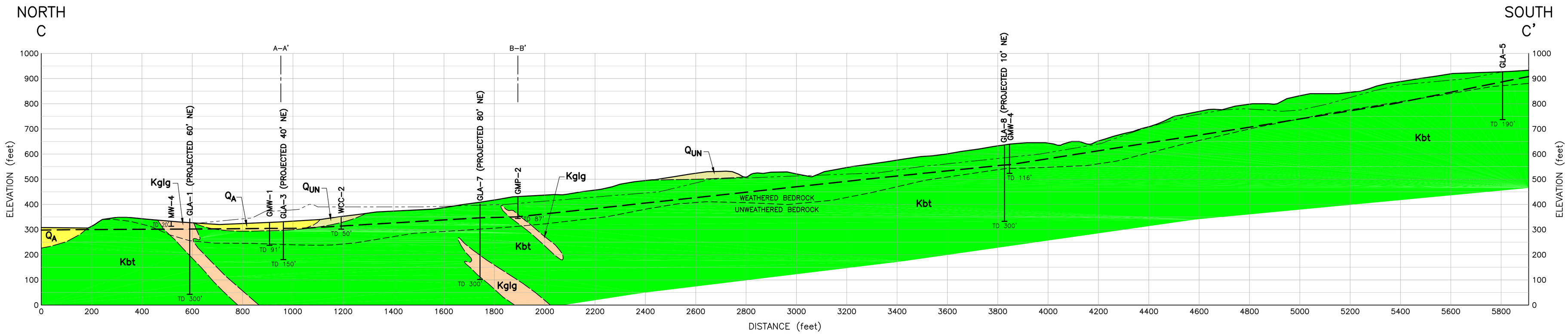
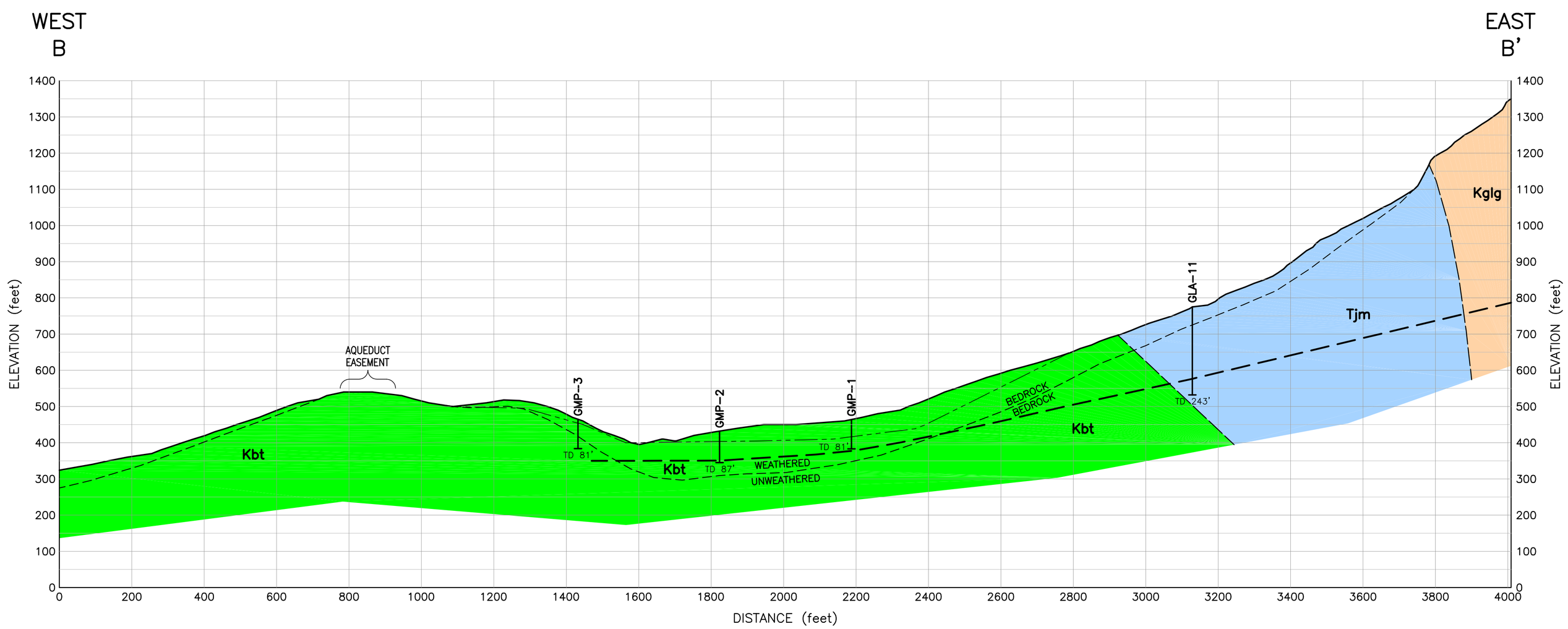


CROSS–SECTION C–C'



CROSS–SECTION B–B'

LEGEND:

SURFICIAL DEPOSITS (DENOTED AS Q_S ON SOME SECTIONS AND FIGURES):

Q_A	ALLUVIUM DEPOSITED AT THE MOUTH OF GREGORY CANYON CONTIGUOUS WITH THE SAN LUIS REY RIVER FLOODPLAIN. UNCONSOLIDATED DEPOSITS OF SAND, SILT AND GRAVEL WITH VARIABLE AMOUNTS OF COBBLES AND BOULDERS.
Q_{UN}	UNDIFFERENTIATED COLLUVIUM, SLOPE WASH, TALUS AND DEBRIS FLOW DEPOSITS THAT FORM A VENEER OVER MOST OF THE AREA SHOWN ON THE GEOLOGIC MAP (PLATE 1). ON THE EAST FLANK OF THE CANYON THEY COMPRISE COBBLES AND BOULDERS OF LEUCOGRANODIORITE SET IN A LOCALLY CONSOLIDATED MATRIX OF SAND AND SILT. ON THE WEST FLANK OF THE CANYON THEY INCLUDE MOSTLY SAND AND SILT DERIVED FROM WEATHERED TONALITE.

BEDROCK:

Kglg	GREGORY MOUNTAIN LEUCOGRANODIORITE. PHANERITIC TEXTURE WITH MEDIUM TO COARSE CRYSTALLINITY. LIGHT GRAY TO BUFF WITH LESS THAN 5% DARK MINERALS. FORMS THE CORE OF GREGORY MOUNTAIN, AND ALSO FORMS DIKES THAT CUT OLDER UNITS.
Kbt	BONSALL TONALITE. PHANERITIC TEXTURE WITH MEDIUM TO COARSE CRYSTALLINITY. DARK GRAY. TYPICALLY DEEPLY WEATHERED AND FRIABLE.
Tjm	METAMORPHIC ROCKS. AMPHIBOLITES AND METAVOLCANIC ROCKS, IN SOME LOCATIONS WITH MIGMATITIC STRUCTURE THAT RESEMBLES GNEISSIC BANDING. APHANITIC TO PORHYROBLASTIC TEXTURE; RELICT PORPHYRITIC TEXTURES SUGGEST A VOLCANIC PROTOLITH FOR SOME OF THE UNITS. MEDIUM TO DARK BLUISH GRAY. GENERALLY MASSIVE AND HARD.

- APPROXIMATE GEOLOGIC CONTACT
- PIEZOMETRIC SURFACE (OCTOBER 2004)
- PROPOSED BOTTOM GRADE
- APPROXIMATE CONTACT BETWEEN WEATHERED AND UNWEATHERED BEDROCK
- GROUNDWATER MONITORING WELL

GRAPHIC SCALE

200 0 100 200 400

(IN FEET)

1 inch = 200 ft.

PLATE 3

GEOLOGIC CROSS–SECTIONS B–B' AND C–C'

SUPPLEMENTAL HYDROGEOLOGIC INVESTIGATION REPORT
GREGORY CANYON LANDFILL
SAN DIEGO COUNTY, CALIFORNIA

GeoLogic Associates
Geologists, Hydrogeologists, and Engineers

DRAWN BY:	DATE:	JOB NO.
VL	OCTOBER 2004	9539