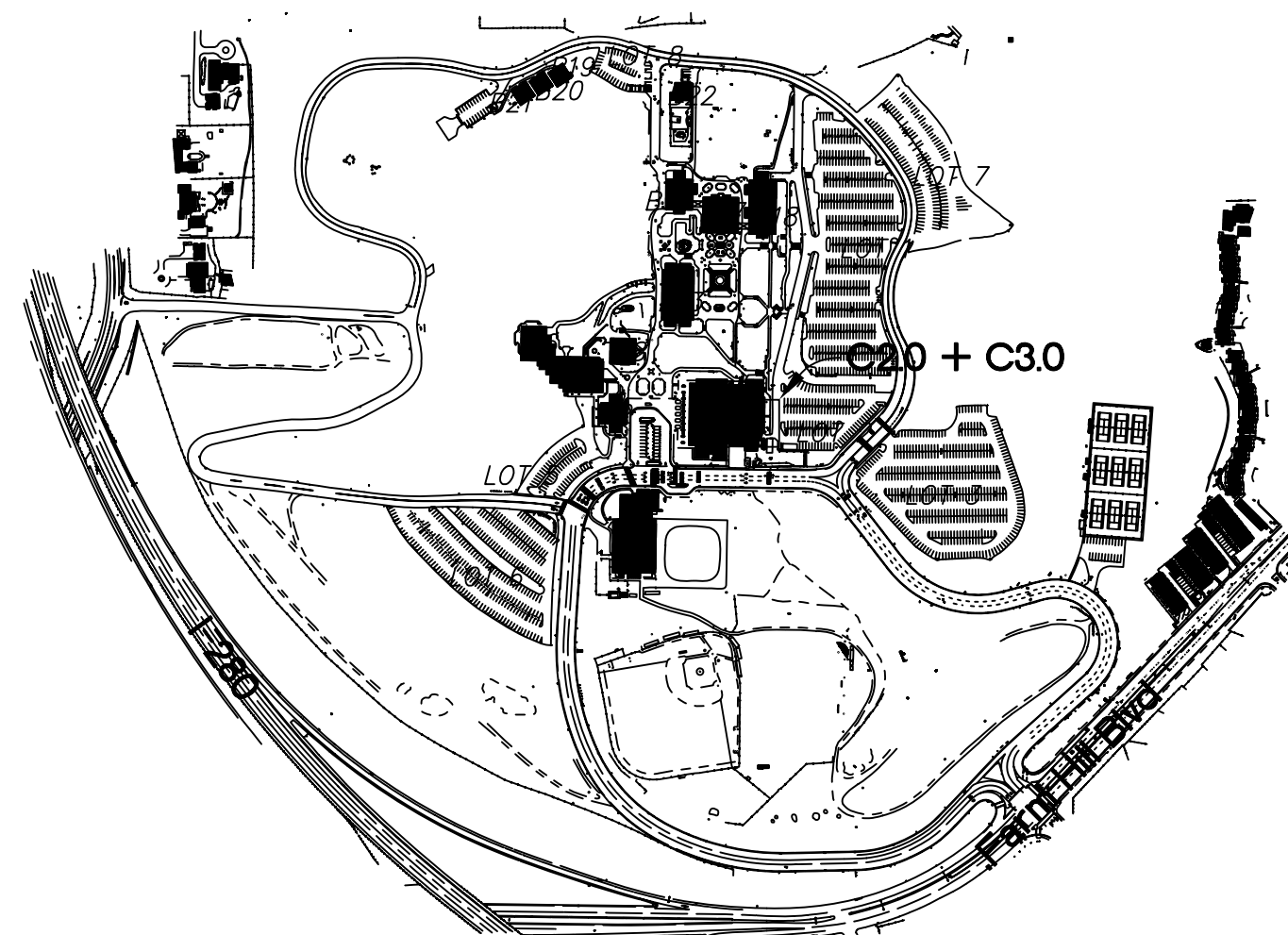


CONSTRUCTION NOTES

- ALL CONSTRUCTION MATERIALS AND METHODS SHALL COMPLY WITH THE PROJECT CONSTRUCTION DOCUMENTS AS WELL AS THE LATEST EDITION OF THE STATE OF CALIFORNIA STANDARD SPECIFICATIONS AND DRAWINGS (JULY 2002)
- CONTRACTOR SHALL NOTIFY THE DISTRICT'S REPRESENTATIVE AT LEAST THREE WORKING DAYS PRIOR TO COMMENCEMENT OF WORK OR IF WORK HAS BEEN SUSPENDED FOR A PERIOD OF ONE OR MORE DAYS (WEEKENDS AND HOLIDAYS EXCEPTED).
- CONTRACTOR SHALL LEAVE AN EMERGENCY PHONE NUMBER WITH THE CAMPUS POLICE AND CITY FIRE DEPARTMENTS AND KEEP THEM INFORMED REGARDING STATUS OF WORK.
- CONTRACTOR SHALL POST ON THE SITE, EMERGENCY TELEPHONE NUMBERS FOR DISTRICT'S REPRESENTATIVE, AMBULANCE, POLICE, AND FIRE DEPARTMENTS.
- CONTRACTOR SHALL NOTIFY ALL PUBLIC OR PRIVATE UTILITY OWNERS 48 HOURS PRIOR TO COMMENCEMENT OF WORK ADJACENT TO THE UTILITY UNLESS AN EXCAVATION PERMIT SPECIFIES OTHERWISE.
- UTILITIES AND UNDERGROUND FACILITIES INDICATED ARE FOR INFORMATION ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PHYSICALLY VERIFY THE LOCATION AND DEPTH AND VERIFY FINDINGS WITH THE APPROPRIATE AGENCIES. NEITHER THE DISTRICT NOR THE ENGINEER ASSUMES RESPONSIBILITY THAT THE UTILITIES AND UNDERGROUND FACILITIES INDICATED WILL BE THE UTILITIES AND UNDERGROUND FACILITIES ENCOUNTERED.
- THE CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT U.S.A. 800-227-2600 FORTY-EIGHT (48) HOURS PRIOR TO BEGINNING WORK TO HAVE THE LOCATION OF EXISTING UNDERGROUND UTILITIES MARKED. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO IDENTIFY, LOCATE, AND PROTECT ALL UNDERGROUND FACILITIES. THE CONTRACTOR SHALL ALSO CONTRACT WITH A UTILITY LOCATING SERVICE TO MARK ON-SITE UTILITIES.
- THE CONTRACTOR SHALL HIRE A STREET CLEANING CONTRACTOR TO CLEAN UP DIRT AND DEBRIS FROM DISTRICT ROADS THAT ARE ATTRIBUTABLE TO THE CONSTRUCTION ACTIVITIES. THE STREET CLEANING CONTRACTOR IS TO HAVE THE CAPABILITY OF SWEEPING THE STREETS WITH BOTH A BROOM-TYPE SWEEPER AND A REGENERATIVE AIR VACUUM SWEEPER.
- ALL CONSTRUCTION ACTIVITIES SHALL BE PERFORMED IN SUCH A MANNER AS TO COMPLY WITH THE STANDARDS ESTABLISHED BY THE AIR QUALITY MAINTENANCE DISTRICT FOR AIRBORNE PARTICULATE (DUST).
- ALL MATERIALS SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL PROVIDE ALL LIGHTS, SIGNS, BARRICADES, FLAGMEN OR OTHER DEVICES NECESSARY TO PROVIDE FOR PUBLIC SAFETY AT ALL WORK LOCATIONS.
- CONTRACTOR SHALL BE RESPONSIBLE TO REPAIR OR REPLACE ANY EXISTING IMPROVEMENTS OR UNDERGROUND FACILITIES DAMAGED BY HIM, HIS SUBCONTRACTORS OR HIS MATERIAL SUPPLIERS.
- THIS PLAN DOES NOT ALLOW ANY CONSTRUCTION IN THE PUBLIC RIGHT-OF-WAY.
- CONTRACTOR SHALL PROVIDE THE MINIMUM EROSION CONTROL MEASURES REQUIRED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ADD AND MAINTAIN MEASURES AS REQUIRED THROUGHOUT THE LIFE OF THE PROJECT IN CONFORMANCE WITH CITY OF REDWOOD CITY, COUNTY OF SAN MATEO, AND ASSOCIATION OF BAY AREA GOVERNMENTS' REQUIREMENTS.
- ALL CONCRETE SHALL BE CALTRANS CLASS 1 UNLESS OTHERWISE NOTED.
- REVISED PLANS SHALL BE SUBMITTED TO AND APPROVED BY THE DISTRICT'S REPRESENTATIVE BEFORE ANY DEVIATIONS FROM THE APPROVED PLANS ARE MADE IN THE FIELD.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY EXISTING GRADES PRIOR TO CONSTRUCTION.

CAÑADA COMMUNITY COLLEGE REDWOOD CITY, CALIFORNIA



KEY MAP
NOT TO SCALE

ADA NOTES

- ALL SITE WORK SHALL BE IN CONFORMANCE WITH TITLE 24 OF THE CALIFORNIA ADMINISTRATIVE CODE AND WITH THE AMERICANS WITH DISABILITIES ACT.
- CURB RAMPS SHALL NOT EXCEED A SLOPE OF 1:12 (8.33 %).
- ENTRANCE RAMPS TO BUILDINGS SHALL NOT EXCEED A SLOPE OF 1:20 (5 %) UNLESS RAILINGS ARE SHOWN ON ARCHITECTURAL PLANS, IN WHICH CASE THE SLOPE SHALL NOT EXCEED 1:12 (8.33 %).
- A 2% MAXIMUM SLOPE LANDING SHALL BE PROVIDED AT PRIMARY ENTRANCES TO BUILDINGS, THE LANDINGS SHALL HAVE A MINIMUM DEPTH OF 60" WHEN THE DOOR OPENS INTO THE BUILDING, AND 42" PLUS THE WIDTH OF THE DOOR WHEN THE DOOR OPENS ONTO THE LANDING.
- RAMPS ARE DEFINED AS ANY WALKWAY BETWEEN SLOPES OF 1:20 (5 %) AND 1:12 (8.33 %), AND SHALL HAVE A MINIMUM CROSS SLOPE OF 2% RAMPS EXCEEDING 2'-6" VERTICAL SHALL HAVE INTERMEDIATE (2 % MAXIMUM SLOPE) LANDINGS HAVING A MINIMUM LENGTH IN THE DIRECTION OF TRAVEL OF 60". BOTTOM LANDINGS AT CHANGES IN RAMP DIRECTION SHALL HAVE A MINIMUM LENGTH OF 72". ALL RAMPS SHALL HAVE HANDRAILS (SEE ARCHITECTURAL PLANS).
- MAXIMUM CROSS SLOPE ON ANY SIDEWALK OR RAMP SHALL BE 2 % MAXIMUM SLOPE WITHIN PARKING STALLS DESIGNATED AS HANDICAPPED PARKING SHALL BE 2 % IN ANY DIRECTION.

SOILS REPORT

PROJECT SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE GEOTECHNICAL INVESTIGATION FOR THE SITE PREPARED BY LOWNEY ASSOCIATES GEOTECHNICAL ENGINEERING SERVICES DATED BY JUNE 17, 2003; WITH SUPPLEMENTAL DATED JANUARY 20, 2004.

CONTRACTOR RESPONSIBILITY

CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS, INCLUDING THE SAFETY OF ALL PERSONS AND PROPERTY, DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, AND THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE DISTRICT AND THE DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE DISTRICT OR THE DESIGN PROFESSIONAL.

SURVEY NOTE

THE BACKGROUND TOPOGRAPHIC SURVEY WAS PREPARED BY A LICENSED LAND SURVEYOR EMPLOYED BY SANDIS HUMBER JONES.

BENCHMARK:

THE BASIS OF ELEVATION FOR THIS SURVEY IS A CITY OF REDWOOD CITY BENCHMARK, BENCHMARK NO. B10. TOP OF BRASS TABLET SET IN A CONCRETE MONUMENT WELL WHICH IS A 5' OFFSET MONUMENT TO THE CENTER LINE INTERSECTION OF FULTON STREET AND JEFFERSON AVENUE. ELEVATION=17.137 FEET.

EROSION CONTROL NOTES

PREVENT EROSION:

EXPOSED SOIL AFTER CLEARING, GRADING, OR EXCAVATION POSES A CLEAR AND PRESENT DANGER OF STORM WATER POLLUTION. REVEGETATION (PERMANENT OR TEMPORARY) IS A FORM OF EROSION CONTROL.

- AVOID EXCAVATION AND GRADING ACTIVITIES DURING WET WEATHER.
- REMOVE EXISTING VEGETATION ONLY WHEN ABSOLUTELY NECESSARY.
- PLANT TEMPORARY VEGETATION FOR EROSION CONTROL ON SLOPES OR WHERE NO CONSTRUCTION IS IMMEDIATELY PLANNED.
- WHERE REPLANTING IS NOT FEASIBLE, USE SECURED PLASTIC SHEETING OR FILTER FABRIC TO STABILIZE AND PROTECT EXPOSED SOILS, STOCKPILED TOPSOIL, AND LANDSCAPING MATERIALS.
- AS A LAST RESORT, PROTECT DOWNSLOPE DRAINAGE COURSES, STEAMS, OR CATCH BASINS WITH HAY BALES OR TEMPORARY DRAINAGE SWALES.
- ONCE EXCAVATION AND GRADING ACTIVITIES ARE COMPLETE, PLANT PERMANENT VEGETATION AS SOON AS POSSIBLE.

CONTROL RUNOFF:

- EROSION RESULTS FROM A COMBINATION OF FACTORS: DECREASED SOIL STABILITY, INCREASED RUNOFF VOLUME, AND/OR INCREASED FLOW VELOCITY. THE MOST EFFECTIVE EROSION CONTROL PRACTICES COMBINE DRAINAGE DIVERSION WITH SURFACE ROUGHENING.
- CONSTRUCT DIVERSION DIKES AND DRAINAGE SWALES TO CHANNEL RUNOFF AROUND THE SITE.
- USE BERMS AND DRAINAGE DITCHES TO DIVERT RUNOFF AROUND EXPOSED AREAS.
- ROUGHEN OTHER SURFACE BY ADDING RIP RAP, SAND BAGS, ROCKS, STRAW WATTLETS, OR TEMPORARY VEGETATION. DO NOT USE ASPHALT RUBBLE OR OTHER DEMOLITION.

ABBREVIATIONS

AB	- AGGREGATE BASE	L.S.	- LANDSCAPE
AC	- ASPHALTIC CONCRETE	MAX	- MAXIMUM
AD	- AREA DRAIN	MIN	- MINIMUM
ARCH.	- ARCHITECT/ARCHITECTURAL	N	- NORTH
BC	- BEGINNING OF CURVE	NO	- NUMBER
BLDG/B	- BUILDING	NTS	- NOT TO SCALE
BFP	- BACK FLOW PREVENTOR	P	- PAVEMENT ELEVATION
BOW	- BOTTOM OF WALL	PERF.	- PERFORATED
BW	- BACK OF WALK	P/V	- POST INDICATOR VALVE
C	- CONCRETE	PL	- PROPERTY LINE
CY	- CUBIC YARD	PCC	- POINT OF CONTINUOUS CURVATURE
CB	- CATCH BASIN	P.C.C.	- PORTLAND CEMENT CONCRETE
C&G	- CURB AND GUTTER	PVC	- POLYVINYL CHLORIDE PIPE
CL	- CENTER LINE OR CLASS	RC	- RELATIVE COMPACTION
CLF	- CHAIN LINK FENCE	RCF	- REINFORCED CONCRETE PIPE
CONC	- CONCRETE	R/W	- RIGHT OF WAY
CONST	- CONSTRUCTION OR CONSTRUCT	S/W	- SIDEWALK
DCV	- DETECTOR CHECK VALVE	S	- SLOPE OR SOUTH
DI	- DRAIN INLET	SDCO	- STORM DRAIN CLEANOUT
DIP	- DUCTILE IRON PIPE	SDMH	- STORM DRAIN MANHOLE
DWG	- DRAWING	SE	- SIGNAL MANHOLE
E	- EAST	SSCO	- SANITARY SEWER CLEANOUT
EC	- END OF CURVE	SSMH	- SANITARY SEWER MANHOLE
EP	- EDGE OF PAVEMENT	STD	- STANDARD
ER	- END OF RETURN	TC	- TOP OF CURB
ELEV	- ELEVATION	TD	- TRENCH DRAIN
EX-EXIST	- EXISTING	TS	- TOP OF SLAB
FDC	- FIRE DEPARTMENT CONNECTION	TOP	- TOP OF PIPE
FF	- FINISHED FLOOR	TOW	- TOP OF WALL
FG	- FINISHED GRADE	TYP	- TYPICAL
FH	- FIRE HYDRANT	U/G	- UNDERGROUND
FL	- FLOW LINE	UDN	- UNLESS OTHERWISE NOTED
FS	- FINISHED SURFACE	V&AD	- VALLEY GUTTER AREA DRAIN
FT	- FOOT	W	- WEST
FW	- FIRE WATER	W/	- WITH
GB	- GRADE BREAK	WM	- WATER METER
GV	- GAS VALVE	WV	- WATER VALVE
HC	- HANDICAP		
HP	- HIGH POINT		
INV	- INVERT ELEVATION		
JP	- JOINT POLE		

LEGEND

	EXISTING	PROPOSED
SAWCUT AND CONFORM LINE		
RETAINING WALL		
A.C. PAVEMENT		
CONC. VALLEY GUTTER		
CONC. SIDEWALK OR PAD		
6" CURB & GUTTER		
EDGE OF A.C. PAVEMENT		
6" VERTICAL CURB		
CENTER LINE		
COMMUNICATION LINE		
ELECTRIC AND SIGNAL DUCT BANK		
GAS MAIN		
IRRIGATION LINE		
FIRE WATER MAIN		
SANITARY SEWER MAIN		
STORM DRAIN MAIN		
STREET LIGHT CONDUIT		
WATER MAIN		
DOMESTIC WATER MAIN		
CHILLED WATER MAIN		
HOT WATER SUPPLY & RETURN		
JOINT TRENCH		
UNDERGROUND ELECTRIC LINE		
OVERHEAD ELECTRIC LINE		
METAL BEAM GUARD RAIL		
SILT FENCE		
CHAIN LINK FENCE		
CONTOUR ELEVATION LINE		
SPOT ELEVATION		
DIRECTION OF SLOPE		
GAS METER		
GAS VALVE		
WATER METER		
WATER VALVE		
FIRE HYDRANT		
SIGN		
ACCESSIBLE RAMP		
SANITARY SEWER MANHOLE		
SANITARY SEWER CLEANOUT		
STORM DRAIN MANHOLE		
STORM DRAIN AREA DRAIN		
STORM DRAIN CATCH BASIN		
STORM DRAIN CURB INLET		
STORM DRAIN CLEANOUT		
JOINT POLE		
ELECTROPLIER		
DEMO & REMOVE EX. TREE		

CONSTRUCTION DETAIL REFERENCE



DETAIL REFERENCE SHEET REFERENCE

UTILITY/POTHOLE NOTE

THE TYPES, LOCATIONS, SIZES AND /OR DEPTHS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ARE APPROXIMATE AND WERE OBTAINED FROM SOURCES OF VARYING RELIABILITY. ONLY ACTUAL EXCAVATION WILL REVEAL THE TYPES, EXTENT, SIZES, LOCATIONS AND DEPTHS OF SUCH UNDERGROUND UTILITIES. A REASONABLE EFFORT HAS BEEN MADE TO LOCATE AND DELINEATE ALL KNOWN UNDERGROUND UTILITIES. HOWEVER, THE ENGINEER CAN ASSUME NO RESPONSIBILITY FOR THE COMPLETENESS OR ACCURACY OF ITS DELINEATION OF SUCH UNDERGROUND UTILITIES WHICH MAY BE ENCOUNTERED, BUT WHICH ARE NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND FACILITIES AND UTILITIES BY POTHOLES PRIOR TO COMMENCING CONSTRUCTION.

DISCREPANCIES

IF THERE ARE ANY DISCREPANCIES BETWEEN DIMENSIONS IN DRAWINGS AND EXISTING CONDITIONS WHICH WILL AFFECT THE WORK, THE CONTRACTOR SHALL BRING SUCH DISCREPANCIES TO THE ATTENTION OF THE DESIGN PROFESSIONAL FOR ADJUSTMENT BEFORE PROCEEDING WITH THE WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER FITTING OF ALL WORK AND FOR THE COORDINATION OF ALL TRADES, SUBCONTRACTORS, AND PERSONS ENGAGED UPON THIS CONTRACT.

EARTHWORK QUANTITIES

IMPORT = X CY
EXPORT = XXX CY
FILL = X CY
CUT = XXX CY

NOTE:

THE EARTHWORK QUANTITIES SHOWN ARE PROVIDED FOR THE PURPOSE OF GRADING PERMIT APPROVAL ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CARRY OUT THE CUT/FILL, IMPORT/EXPORT AS NECESSARY TO MEET THE DESIGN GRADES AS SHOWN ON THE PLANS REGARDLESS OF THE ESTIMATED EARTHWORK QUANTITIES AS INDICATED. SIGNIFICANT REVISIONS TO THE QUANTITIES MAY NEED REVIEW BY THE CITY.

UNAUTHORIZED CHANGES AND USES

CAUTION: The design professional preparing these plans will not be responsible for, or liable for, unauthorized changes to or uses of these plans. All changes to the plans must be in writing and must be approved by the preparer of the plans.

Construction contractor agrees that in accordance with generally accepted construction practices, construction contractor will be required to assume sole and complete responsibility for job site conditions during the course of construction of the project, including safety of all persons and property; that this requirement shall be made to apply continuously and not be limited to normal working hours and construction contractor further agrees to defend, indemnify and hold design professional harmless from any and all liability, real or alleged in connection with the performance of work on this project, excepting liability arising from sole negligence of design professional.

Consulting Engineers
&
of California

SHEET INDEX

C1.0	CIVIL NOTES, LEGEND, & ABBREVIATIONS
C2.0	GRADING PLAN
C3.0	UTILITY PLAN
C4.0	DETAIL SHEET



REV	DATE	BY	DESCRIPTION
	08/22/06	ESC	RECORD DRAWING

Sandis Humber Jones
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Oakland, CA 94612
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Cañada College Modernization
CENTRAL PLANT RENOVATION
San Mateo County Community College District

CIVIL NOTES, LEGEND, & ABBREVIATIONS	N.T.S.
	202112
	CNE
	SEC
	ESC
	6/03/05