

COUNTY OF VENTURA PUBLIC WORKS AGENCY

GENERAL NOTES

1. GRADING SHALL BE IN ACCORDANCE WITH THE VENTURA COUNTY BUILDING CODE WHICH ADOPTS BY REFERENCE UBC CHAPTER 19, EXCAVATION AND GRADING, AND THE VENTURA COUNTY STANDARD LAND DEVELOPMENT SPECIFICATIONS AND THE LAND DEVELOPMENT MANUAL.
2. A PRECONSTRUCTION CONFERENCE OF ALL INTERESTED PARTIES SHALL BE HELD PRIOR TO ANY CONSTRUCTION OR GRADING.
3. ALL RECOMMENDATIONS MADE BY THE SOILS ENGINEER (AND ENGINEERING GEOLOGIST, WHERE EMPLOYED) CONTAINED IN THE REPORTS REFERENCED HEREON AS APPROVED OR CONDITIONED BY THE COUNTY SHALL BE A PART OF THIS GRADING PLAN.
4. ALL GRADED SURFACES SUBJECT TO EROSION SHALL BE PROTECTED AS APPROVED BY THE BUILDING OFFICIAL. PROTECTION SHALL BE PROVIDED AND FULLY FUNCTIONAL PRIOR TO FINAL APPROVAL OF GRADING AS COMPLETE. ISSUANCE OF A CERTIFICATE OF OCCUPANCY, OR UTILITY CLEARANCE FOR ANY BUILDING ON THE SITE, WHICHEVER OCCURS FIRST.
5. ALL DELETERIOUS MATERIAL, I.E. LUMBER, LOGS, BRUSH, OR ANY OTHER ORGANIC MATERIALS OR RUBBISH, SHALL BE REMOVED FROM ALL AREAS TO RECEIVE COMPACTED FILL.
6. UNSUITABLE MATERIAL SHALL BE REMOVED AS REQUIRED BY THE SOILS ENGINEER (AND ENGINEERING GEOLOGIST, WHERE EMPLOYED) FROM ALL AREAS TO RECEIVE COMPACTED FILL OR DRAINAGE STRUCTURES.
7. ALL AREAS TO RECEIVE COMPACTED FILL SHALL BE INSPECTED AND APPROVED BY THE SOILS ENGINEER (AND ENGINEERING GEOLOGIST, WHERE EMPLOYED) AFTER REMOVAL OF UNSUITABLE MATERIAL AND EXCAVATION OF KEYWAYS AND BENCHES, AND PRIOR TO PLACEMENT OF SUBSURFACE DRAINAGE SYSTEMS OR ANY FILL.
8. ALL SOIL OR ROCK MATERIALS DEEMED UNSUITABLE FOR PLACEMENT IN COMPACTED FILL SHALL BE REMOVED FROM THE SITE. ANY MATERIAL SUCH AS CONCRETE OR IMPURE MATERIALS SHALL BE APPROVED BY THE SOILS ENGINEER AND COUNTY PRIOR TO USE IN COMPACTED FILL. WHERE EXCAVATED MATERIAL IS SLOTTED IT WILL BE IMPROVED INTO SUITABLE PARTICLE SIZES, NONE LARGER THAN TWELVE INCHES IN LARGEST DIMENSION, BEFORE BEING USED AS FILL IN CONFORMANCE WITH SEC. 7010 OF THE UBC.
9. THE SOILS ENGINEER SHALL DIRECT THE REMOVAL OR TREATMENT OF ANY EXISTING UNDERGROUND STRUCTURES SUCH AS SEPTIC TANKS, IRRIGATION LINES, ETC.
10. ANY WATER WELL LOCATED WITHIN THE SITE SHALL BE REPORTED TO THE PUBLIC WORKS AGENCY OF VENTURA COUNTY PRIOR TO ITS MODIFICATION OR DESTRUCTION. SPECIAL PROCEDURES ARE REQUIRED FOR ABANDONMENT.
11. ALL EXCAVATED BACK SLOPES AND KEYS FOR BUTTRESS FILLS MUST BE EXAMINED BY THE ENGINEERING GEOLOGIST AND SOILS ENGINEER TO INSURE THAT ALL POTENTIAL PLANES OF FAILURE HAVE BEEN EXPOSED IN THE EXCAVATION AND WILL BE ADEQUATELY SUPPORTED BY THE PROPOSED BUTTRESS. FIELD CERTIFICATION TO BE SUBMITTED BY THE CONSULTANTS.
12. STORM DAMAGE PREVENTION MEASURES OR PREVENTIVE DEVICES REQUIRED BY THE BUILDING OFFICIAL SHALL BE INSTALLED BY NOVEMBER 1 OR AS GRADING PROGRESSES AND MAINTAINED UNTIL APRIL 15 OF THE SUCCEEDING YEAR OR UNLESS EARLY REMOVAL IS AGREED TO BY THE BUILDING OFFICIAL.
13. THE SOILS ENGINEER SHALL SUBMIT RECOMMENDATIONS FOR CORRECTIVE WORK TO INSURE SLOPE STABILITY WHERE UNSUITABLE MATERIAL IS EXPOSED AT THE TOP OF CUTS.
14. UNLESS OTHERWISE SPECIFIED, CORRUGATED STEEL PIPE SHALL BE RIVETED AND COATED IN ACCORDANCE WITH STANDARD LAND DEVELOPMENT SPECIFICATIONS (S.L.D.S.).
15. TERRACE DRAINS, INTERCEPTOR DRAINS AND DOWNDRAINS SHALL BE CONSTRUCTED OF 3" P.V.C. (OR EQUAL) WITH SPACING WITHIN 5' MAX AND SHALL BE OF EITHER SEMI-CIRCULAR OR TRIANGULAR CROSS SECTION AND SHALL BE INSTALLED PRIOR TO APPROVAL OF ROUGH GRADING BY THE BUILDING OFFICIAL.
16. MATERIALS FOR INTERCEPTOR DRAINS, TERRACE DRAINS AND DOWNDRAINS SHALL MEET STANDARD LAND DEVELOPMENT SPECIFICATIONS. SUBSECTION 20-1 AND 400 EXCEPT THAT THE CONCRETE LINED SLEAVES, 4" DIAMETER, PAVED TERRACE DRAIN, DOWNDRAINS, BENCHES, VELOCITY BREAKERS AND OTHER EROSION PROTECTION DEVICES SHALL BE OF CLASS 410-C-2000 UNLESS OTHERWISE SPECIFIED.
17. INTERIM SOILS AND GEOLOGIC REPORTS SHALL BE SUBMITTED TO THE COUNTY AS REQUIRED BY THE BUILDING OFFICIAL.
18. "AS-BUILT" SOILS ENGINEERING (AND IF APPLICABLE, ENGINEERING GEOLOGY) REPORTS, SHOWING ALL WORK PERFORMED AND CONCLUDING THAT FILLS HAVE BEEN PLACED ACCORDING TO THE APPROVED PLANS AND STATING THAT ALL GEOLOGIC FEATURES ARE GROSSLY STABLE AS GRADED SHALL BE SUBMITTED TO THE COUNTY PRIOR TO APPROVAL OF THE ROUGH GRADING BY THE BUILDING OFFICIAL.

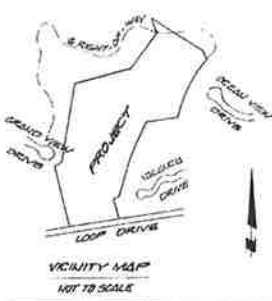
EARTHWORK QUANTITIES

CUT: 12 CU. YDS. FILL: 2400 CU. YDS.
EXPORT: 0 CU. YDS. IMPORT: 2400 CU. YDS.
DISPOSAL SITE G.P.# SOURCE G.P.#

PERMITS

COUNTY ENCROACHMENT PERMIT NO. _____ DATE _____
STATE ENCROACHMENT PERMIT NO. _____ DATE _____
VENTURA COUNTY FLOOD CONTROL DISTRICT WATERCOURSE PERMIT NO. _____ DATE _____

LOCATION & VICINITY MAP



APPROVAL BY CONSULTANTS

THIS GRADING PLAN IS ACCEPTABLE IN REGARD TO SOILS (AND GEOLOGIC, IF APPLICABLE) CONDITIONS AND CONFORMS TO THE RECOMMENDATIONS OF THE SUPPORTIVE REPORTS DATED:

SOILS ENGINEERING REPORTS: 7-14-81 & 12-22-81
ENGINEERING GEOLOGY REPORTS: _____ 19____
BY: *[Signature]* GE 186 R.C.E.
COMPANY: *[Signature]* 9-22-81 19 89
BY: *[Signature]* EC 343
ENGINEERING GEOLOGIST CERT. NO. _____
COMPANY: *[Signature]* 9-22-81 19 89



ENGINEERED GRADING INSPECTION CERTIFICATE

JOB ADDRESS OR TRACT NO. _____
OWNER: _____

ROUGH GRADING CERTIFICATION

(A) BY SOILS ENGINEER
I CERTIFY THAT THE ROUGH GRADING WORK INCORPORATES ALL RECOMMENDATIONS CONTAINED IN THE REPORT OR REPORTS FOR WHICH I AM RESPONSIBLE AND ALL RECOMMENDATIONS THAT I HAVE MADE BASED ON FIELD INSPECTION OF THE WORK AND TESTING DURING GRADING. I FURTHER CERTIFY THAT WHERE THE REPORTS OF AN ENGINEERING GEOLOGIST, RELATIVE TO THIS SITE, HAVE RECOMMENDED THE INSTALLATION OF BUTTRESS FILLS OR OTHER SIMILAR STABILIZATION MEASURES, SUCH EARLY WORK CONSTRUCTION HAS BEEN COMPLETED IN ACCORDANCE WITH THE APPROVED DESIGN.
LOT NOS. _____

SEE REPORTS DATED: _____

FOR TEST DATA, RECOMMENDED ALLOWABLE SOIL BEARING VALUES AND OTHER SPECIAL RECOMMENDATIONS:

SOILS ENGINEER: _____ REG. NO. _____ DATE: _____
(SIGNATURE) (DATE)

(B) BY ENGINEERING GEOLOGIST

I CERTIFY THAT THE ROUGH GRADING WORK INCORPORATES ALL OF THE RECOMMENDATIONS CONTAINED IN THE REPORT OR REPORTS FOR WHICH I AM RESPONSIBLE AND ALL RECOMMENDATIONS THAT I HAVE MADE BASED ON FIELD INSPECTION OF THE WORK DURING GRADING.
LOT NOS. _____

SEE REPORTS DATED: _____

ENGINEERING GEOLOGIST: _____ CERT. NO. _____
(SIGNATURE) (DATE)

(C) BY CIVIL ENGINEER

I CERTIFY TO THE SATISFACTORY COMPLETION OF ROUGH GRADING INCLUDING GRADING TO APPROXIMATE FINAL ELEVATIONS, PROPERTY LINES LOCATED AND STAKED, CUT AND FILL SLOPES CORRECTLY GRADED AND LOCATED IN ACCORDANCE WITH THE APPROVED DESIGN, SLEAVES AND TERRACES GRADED READY FOR PAVING, BERMS INSTALLED, AND REQUIRED DRAINAGE SLOPES PROVIDED ON THE BUILDING PADS. I FURTHER CERTIFY THAT WHERE REPORT OR REPORTS OF AN ENGINEERING GEOLOGIST AND/OR SOILS ENGINEER HAVE BEEN PREPARED RELATIVE TO THIS SITE, THE RECOMMENDATIONS CONTAINED IN SUCH REPORTS HAVE BEEN INCORPORATED IN THE DESIGN.
LOT NOS. _____

CIVIL ENGINEER: _____ REG. NO. _____
(SIGNATURE) (DATE)

FINAL GRADING CERTIFICATION

BY CIVIL ENGINEER
I CERTIFY TO THE SATISFACTORY COMPLETION OF GRADING IN ACCORDANCE WITH THE APPROVED PLANS, ALL DRAINAGE DEVICES REQUIRED BY THE GRADING PERMITS, GRADING PLANS AND GRADING ORDINANCE HAVE BEEN INSTALLED. EROSION TREATMENT OF SLOPES AND IRRIGATION SYSTEMS (WHERE REQUIRED) HAVE BEEN INSTALLED. ADEQUATE PROVISIONS HAVE BEEN MADE FOR DRAINAGE OF SURFACE WATERS FROM EACH BUILDING SITE AS OF THIS DATE.
LOT NOS. _____

CIVIL ENGINEER: _____ REG. NO. _____
(SIGNATURE) (DATE)

GRADING CONTRACTOR CERTIFICATION

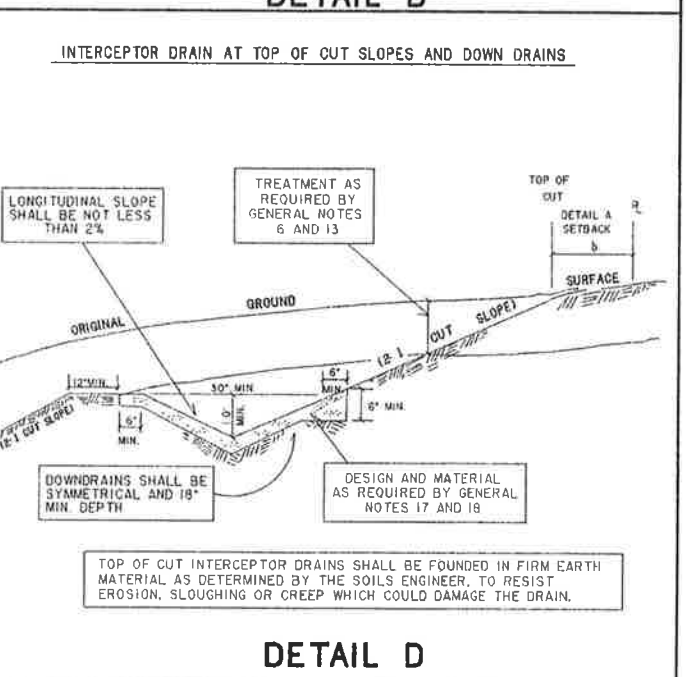
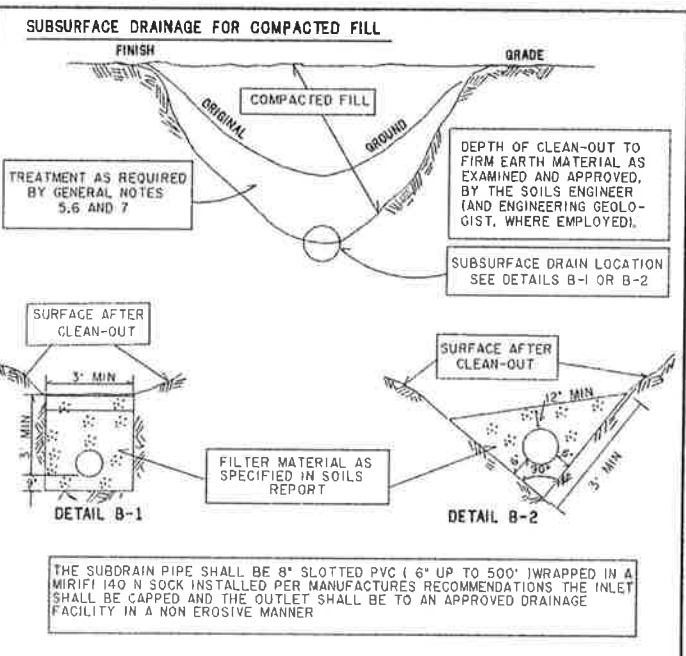
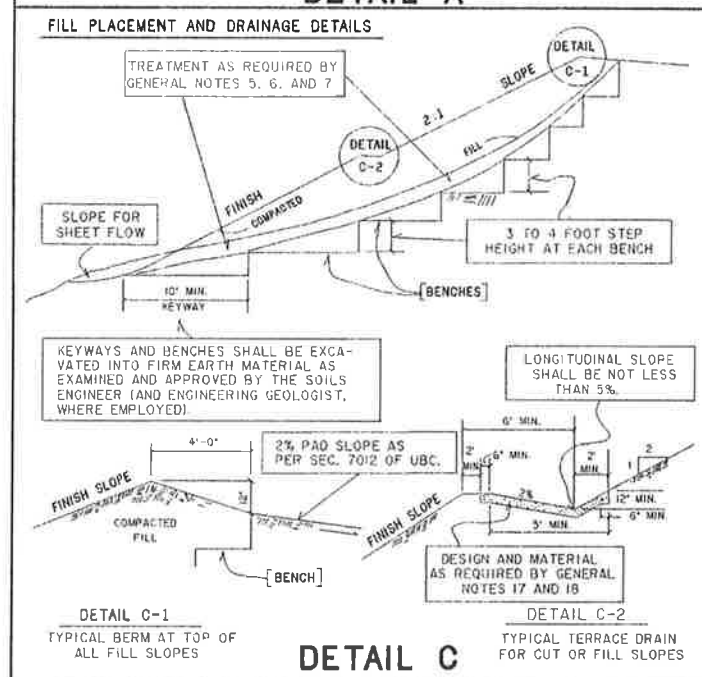
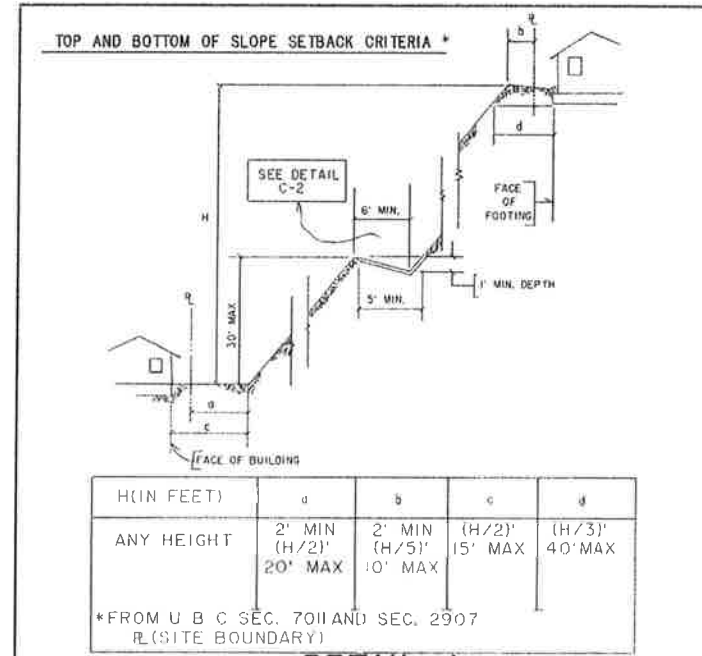
BY GRADING CONTRACTOR, THE OWNER MAY SIGN IF THE GRADING WAS NOT DONE BY A LICENSED GRADING CONTRACTOR.

I CERTIFY THAT THE GRADING WAS DONE IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS, THE GRADING ORDINANCE, AND THE RECOMMENDATIONS OF THE CIVIL ENGINEER, SOILS ENGINEER AND ENGINEERING GEOLOGIST. IT IS UNDERSTOOD THAT THIS CERTIFICATION INCLUDES ONLY THOSE ASPECTS OF THE WORK THAT CAN BE DETERMINED BY ME, AS A COMPETENT GRADING CONTRACTOR, WITHOUT SPECIAL EQUIPMENT OR PROFESSIONAL SKILLS.
GRADING CONTRACTOR: _____ LICENSE NO. _____
(SIGNATURE) (DATE)

INSTRUCTIONS: THE OWNER MAY SIGN IF THE GRADING WAS NOT DONE BY A LICENSED GRADING CONTRACTOR.

BENCH MARK DATA

AT THE NORTHEAST CORNER OF THE INTERSECTION OF MESA DRIVE AND LORI LANE, 4 FEET WEST OF A FIRE HYDRANT, A BRASS CAPPED MONUMENT, SET IN CONCRETE, 3 INCHES SUBMERGED, WITH A STEEL GUARD POST 1 FOOT NORTH-EASTERLY. ELEVATION = 344.368'



POTTER ENGINEERING
CIVIL ENGINEERS
12 N. ASH ST.
VENTURA, CA 93001
8051 & 3-0522
R.C.E. 20649

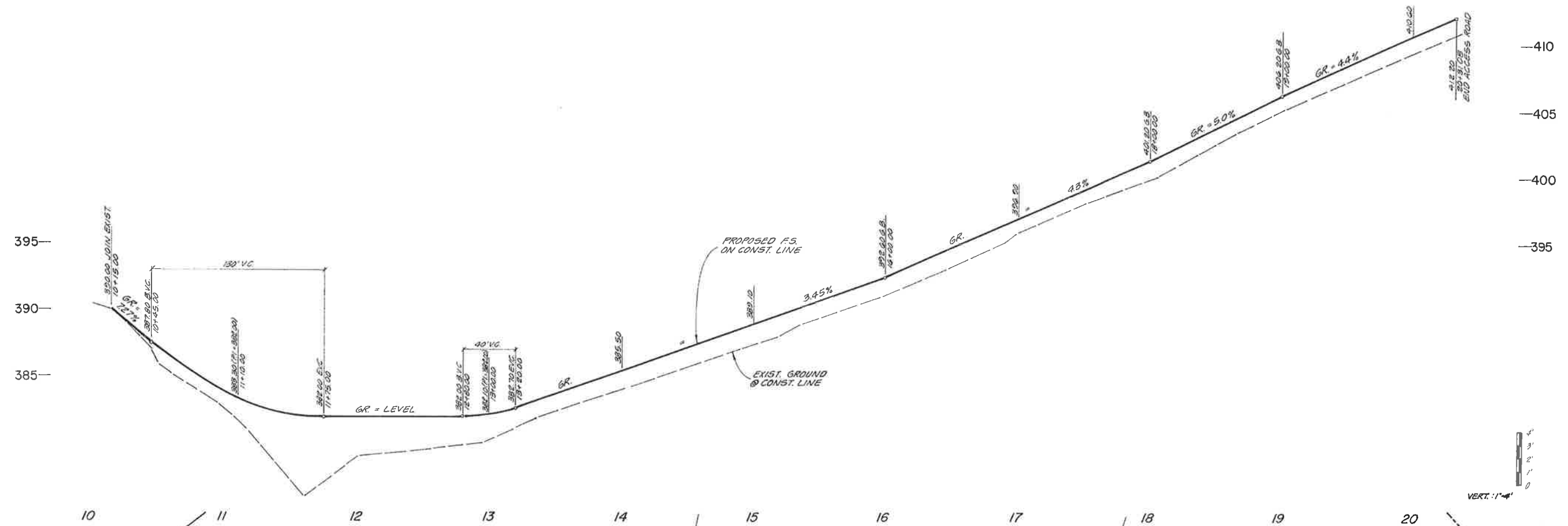
APPROVED: COUNTY OF VENTURA
DATE: 3/20/90
BY: *[Signature]*
MANAGER, DEVELOPMENT SERVICES

**COUNTY OF VENTURA
PUBLIC WORKS AGENCY
DEVELOPMENT SERVICES**

APPROVED: _____
DATE: _____
BY: _____
MANAGER, DEVELOPMENT SERVICES

PM 4261
G. P. No. 8081

SHEET 1 OF 2
DRAWING NO. 81276



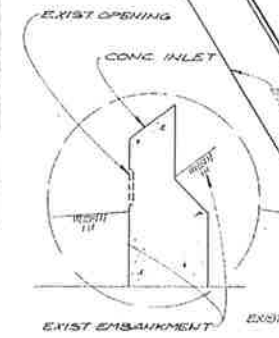
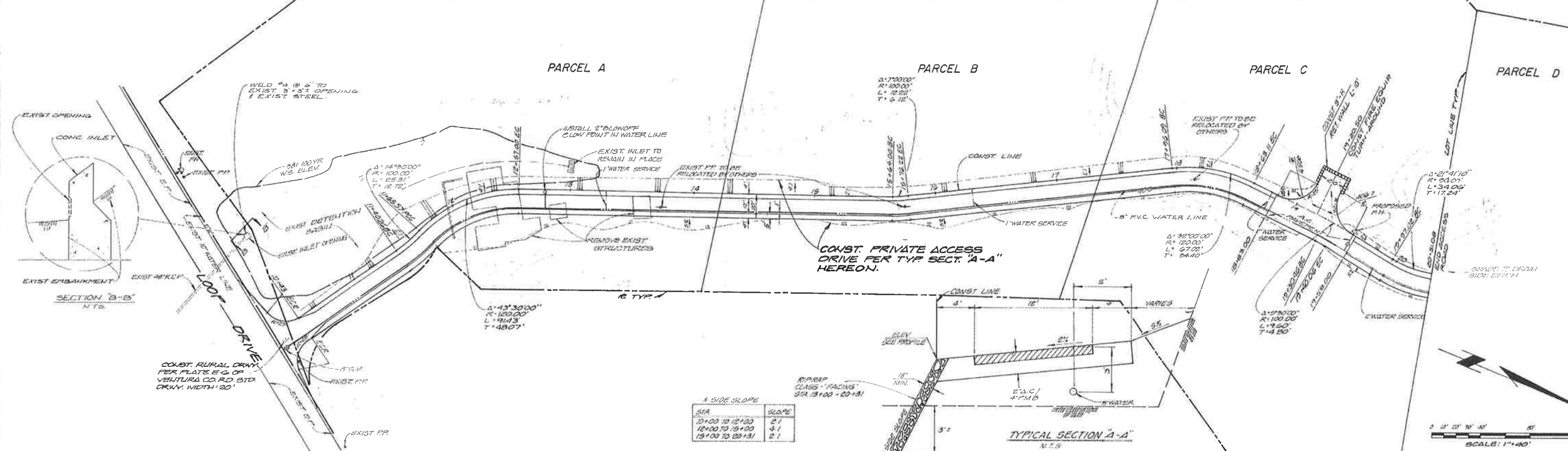
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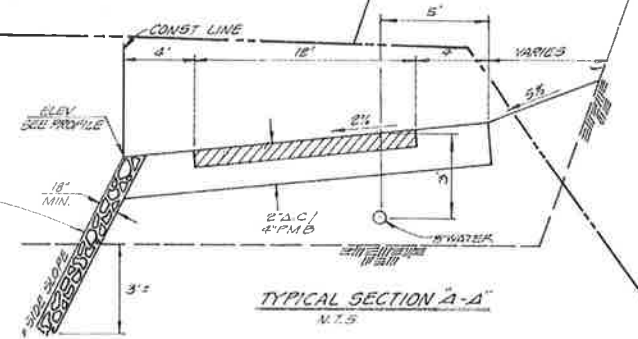
VERT. 1"=4'



SECTION B-B' N.T.D.

* SIDE SLOPE

S/A	SLOPE
10+00 TO 12+00	2:1
12+00 TO 15+00	4:1
15+00 TO 20+31	2:1



TYPICAL SECTION A-A' N.T.S.



SCALE: 1"=40'

POTTER ENGINEERING
CIVIL ENGINEERS
12 N. ASH ST.
VENTURA, CA 93001
(805) 653-0373
DATE 20648

COUNTY OF VENTURA
PUBLIC WORKS AGENCY

P.M. 4261
G.P. No. 8081