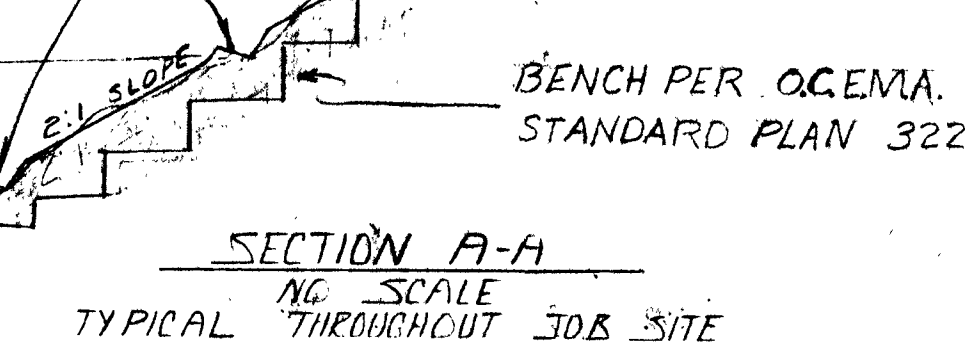


CONTOUR INTERVAL = 2'



NOTE: ALL DITCH ELEVATIONS ARE GIVEN AT FLOW LINE.

TRACT No. 3981
LOTS 22-31

SLOPE RECONSTRUCTION & DRAINAGE IMPROVEMENTS

APPROVED CHANGES			
No	Description	Approved By	Date

BENCH MARK
Description: _____
Location: _____
Record From: _____
Elev: _____ Datum: MSL

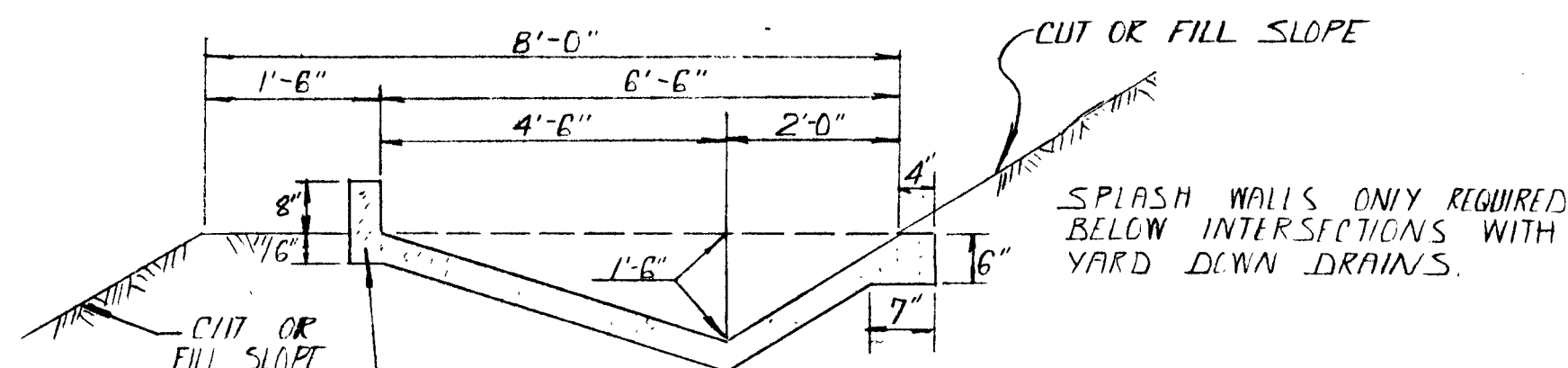
PRIVATE CONTRACT	
H & L LAND DEVELOPMENT 1525 SOUTH ESCONDIDO BOULEVARD ESCONDIDO, CALIFORNIA 92025 TELEPHONE (714) 741-0533	
SHEET 2	CITY OF SAN CLEMENTE
Grading Plans For: SLOPE RECONSTRUCTION	
Recommended for Approval Subdivision Engineer Engineer of Work D. F. HOLMAN RCE 25865	Approved City Engineer RCE #4233 Checked By Approval Date

FILE NO.

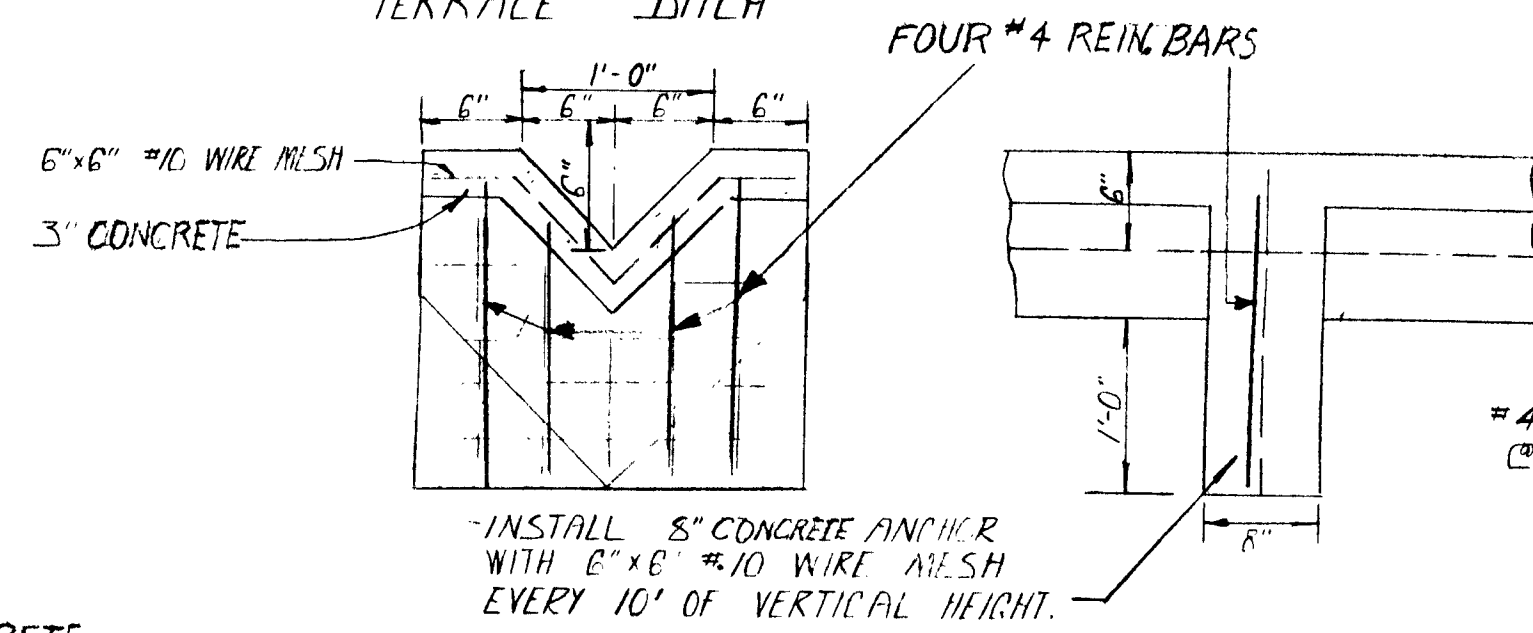


VICINITY MAP
NO SCALE

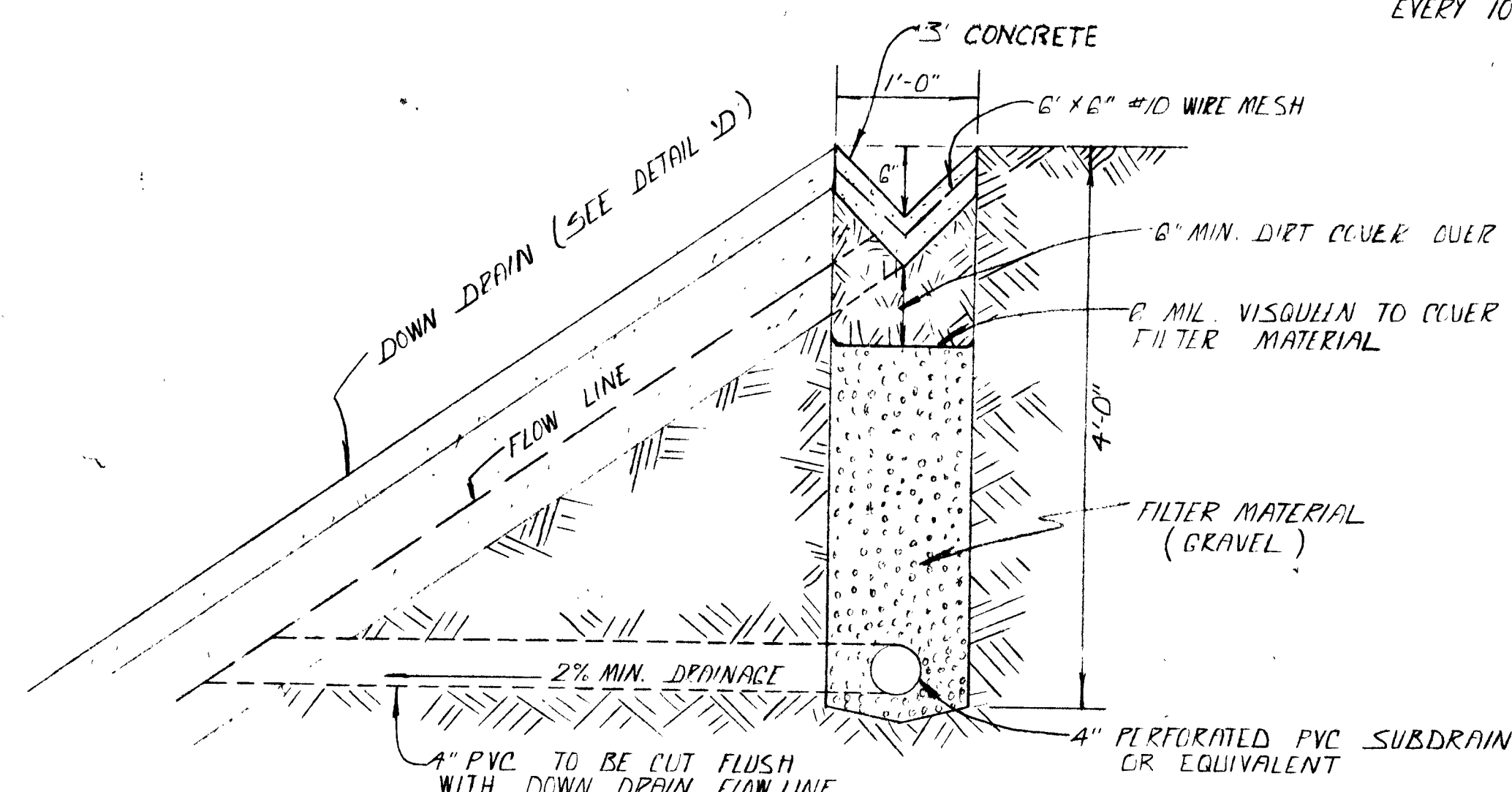
MATERIAL FOR DITCH CONSTRUCTION IS
3" CONCRETE, 5% SACKS/CY, REINFORCED WITH 6"x6" #10
WIRE MESH, TREAT WITH CURING COMPOUND.



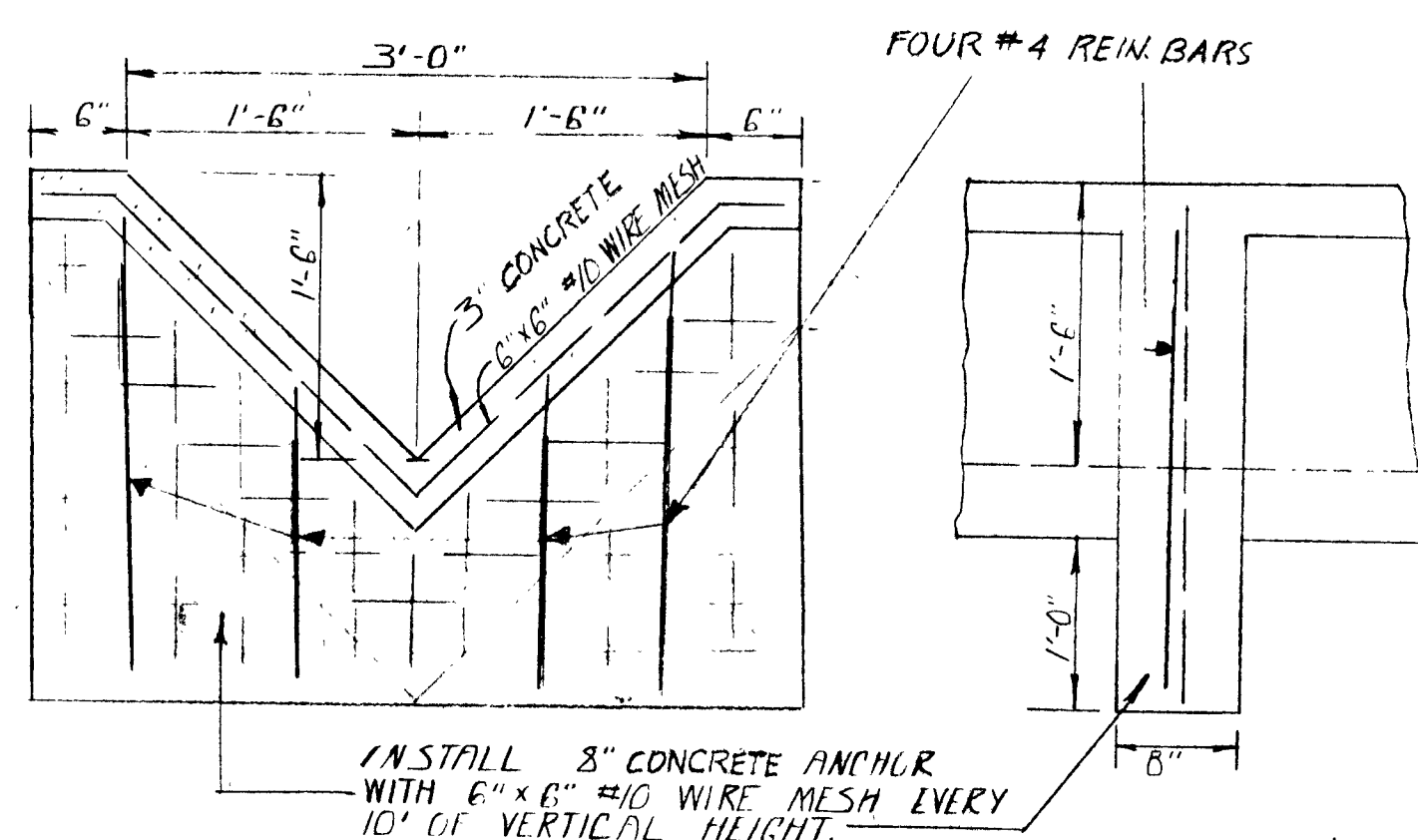
DETAIL 'C'
NO SCALE
TERRACE DITCH



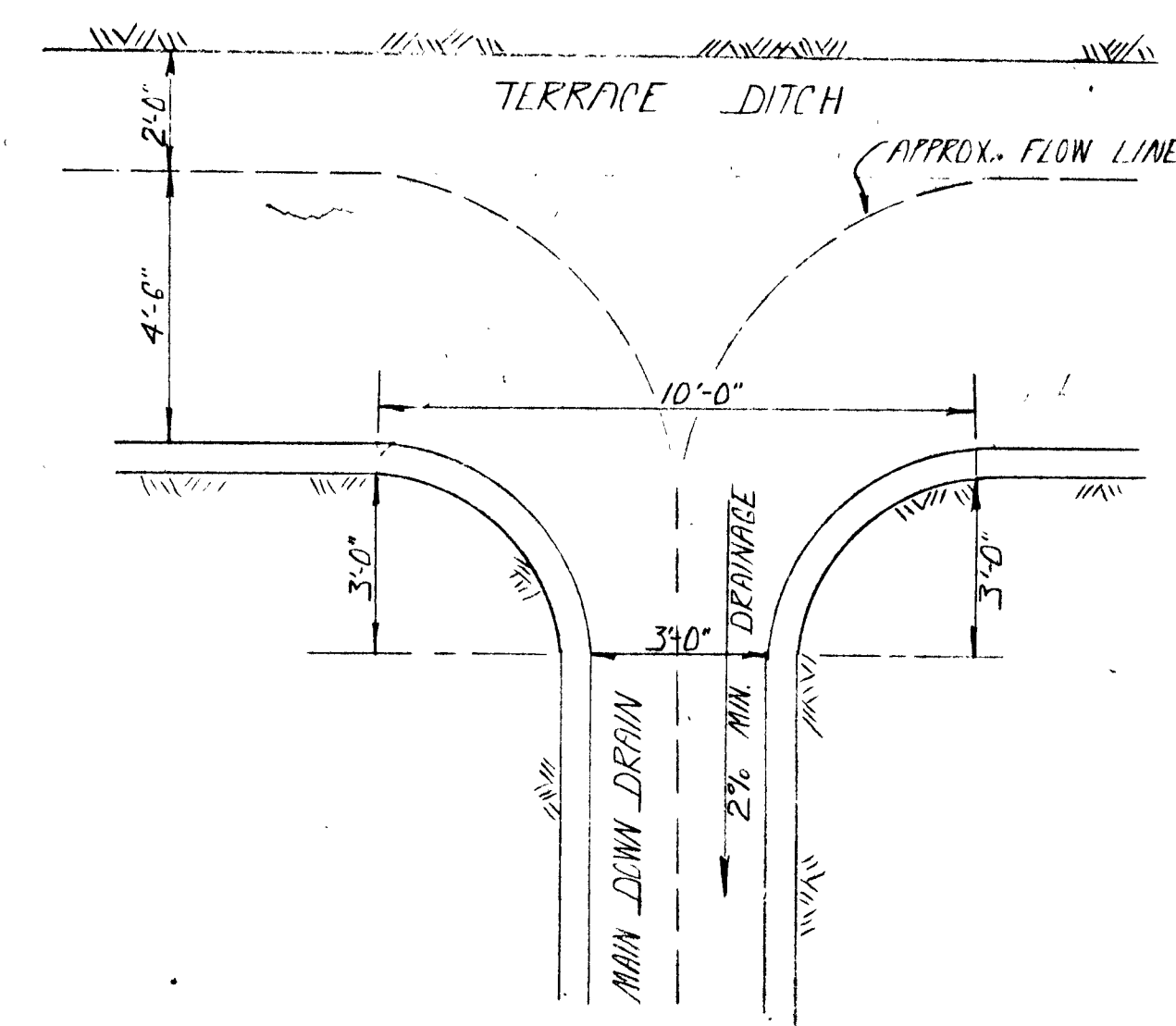
DETAIL 'D'
NO SCALE
YARD DOWN DRAIN & ANCHOR



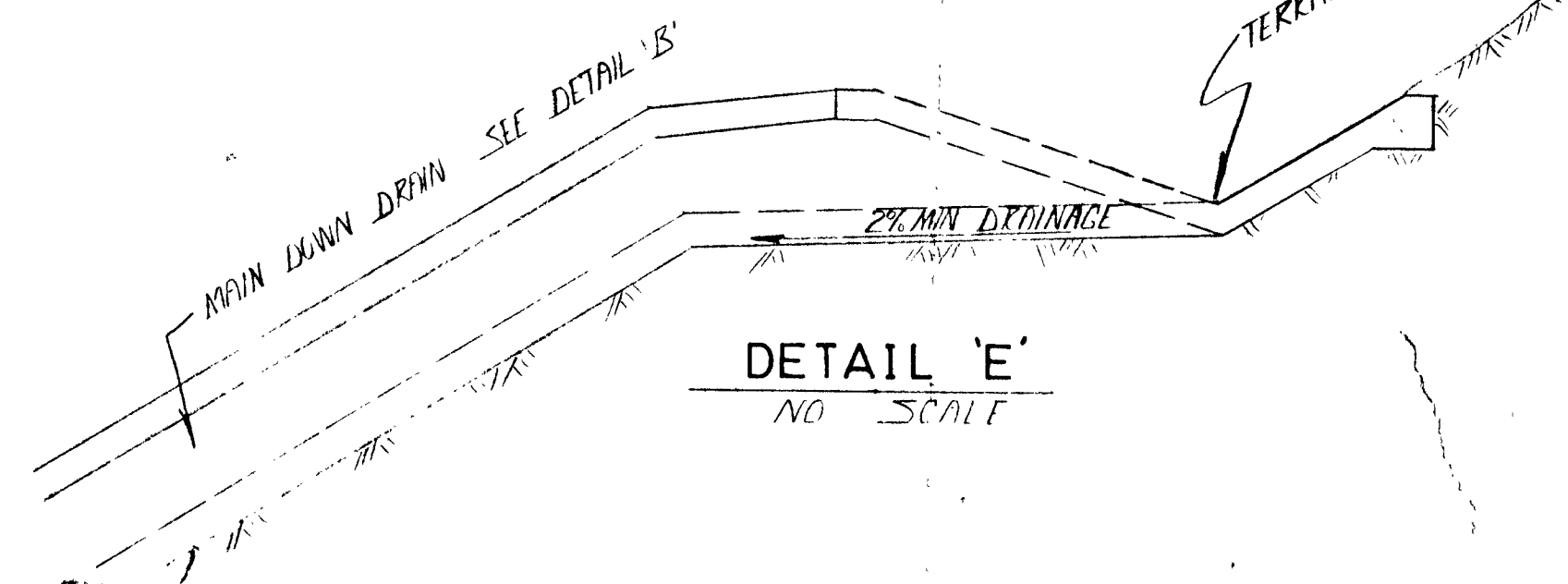
DETAIL 'A'
NO SCALE
YARD DRAIN DITCH & SUBDRAIN



DETAIL 'B'
NO SCALE
MAIN DOWN DRAIN & ANCHOR



DETAIL 'E' (PLAN VIEW)
NO SCALE



DETAIL 'E'
NO SCALE

NOTICE TO CONTRACTOR

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 AND THE ENGINEER 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 OWNER OR THE ENGINEER.

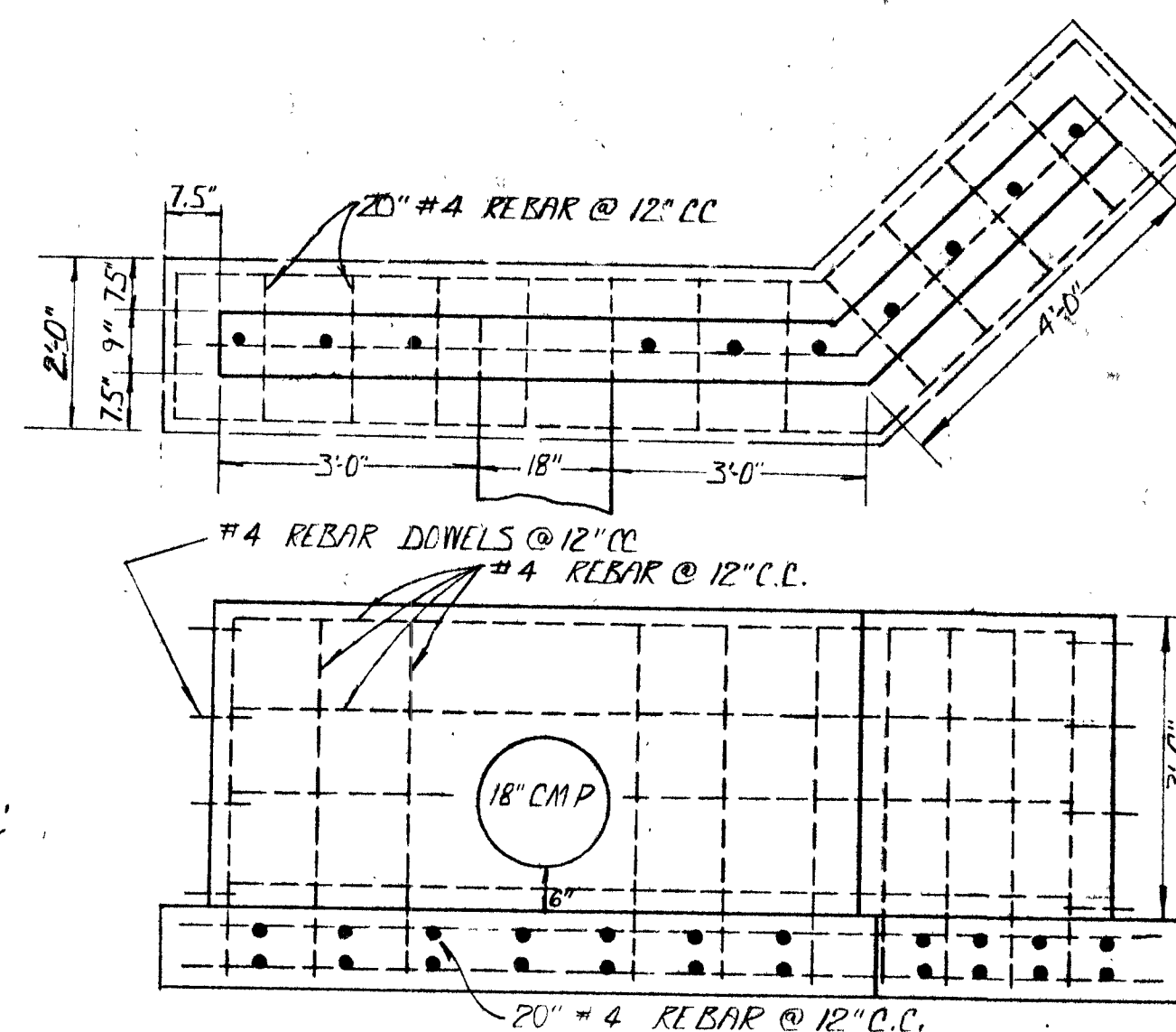
LEGEND

- CUT SLOPE (2:1 MAX.)
- FILL SLOPE (2:1 MAX.)
- EXISTING CONTOURS
- FINISH GRADES
- DRAINAGE SWALE (2% MIN.)

QUANTITIES

EXC. = NA C.Y.
EMB. = NA C.Y.

DETAIL 'F'
NO SCALE
CONCRETE HEADWALL



DETAIL 'G'
NO SCALE
45° CONCRETE HEADWALL

NOTES

1. ALL WORK SHALL BE IN ACCORDANCE WITH THE GRADING CODE OF THE CITY OF SAN CLEMENTE AND ANY SPECIAL REQUIREMENTS OF THE PERMIT.
2. NO GRADING SHALL BE STARTED WITHOUT FIRST NOTIFYING THE CITY ENGINEER. A PRE-GRADING MEETING AT THE SITE IS REQUIRED BEFORE START OF GRADING WITH THE FOLLOWING PEOPLE PRESENT: OWNER, GRADING CONTRACTOR, DESIGN CIVIL ENGINEER, SOILS ENGINEER, CITY GRADING INSPECTOR OR THEIR REPRESENTATIVES.
3. THE PERMITTEE OR HIS AGENT SHALL NOTIFY THE CITY ENGINEER WHEN THE GRADING OPERATION IS READY FOR EACH OF THE FOLLOWING INSPECTIONS:
 - A) INITIAL INSPECTION. WHEN THE PERMITTEE IS READY TO BEGIN WORK, BUT NOT LESS THAN TWO DAYS BEFORE ANY GRADING OR BRUSHING IS STARTED.
 - B) TOE INSPECTION. AFTER THE NATURAL GROUND OR BEDROCK IS EXPOSED AND PREPARED TO RECEIVE FILL, BUT BEFORE FILL IS PLACED.
 - C) EXCAVATION INSPECTION. AFTER THE EXCAVATION IS STARTED, BUT BEFORE THE VERTICAL DEPTH OF THE EXCAVATION EXCEEDS TEN FEET.
 - D) FILL INSPECTION. AFTER THE FILL PLACEMENT IS STARTED, BUT BEFORE THE VERTICAL HEIGHT OF FILL EXCEEDS TEN FEET.
 - E) DRAINAGE DEVICE INSPECTION. AFTER FORMING OF TERRACE DRAINS, DOWNDRAINS, OR AFTER PLACEMENT OF PIPE IN SUBDRAINS, BUT BEFORE ANY CONCRETE IS PLACED OR FILTER MATERIAL.
 - F) ROUGH GRADING. WHEN ALL ROUGH HAS BEEN COMPLETED. THIS INSPECTION MAY BE CALLED FOR AT THE COMPLETION OF ROUGH GRADING WITHOUT THE NECESSITY OF THE BUILDING OFFICIAL HAVING PREVIOUSLY REVIEWED AND APPROVED THE REPORTS.
 - G) FINAL. WHEN ALL WORK, INCLUDING EROSION CONTROL MEASURES AND INSTALLATION OF ALL DRAINAGE FACILITIES AND THEIR PROTECTIVE DEVICES, HAS BEEN COMPLETED AND THE AS-GRADED PLAN, PROFESSIONAL CERTIFICATIONS AND THE REQUIRED REPORTS HAVE BEEN SUBMITTED.
4. CUT SLOPES SHALL BE NO STEEPER THAN 2' HORIZONTAL TO 1' VERTICAL, UNLESS OTHERWISE NOTED.
5. FILL SLOPES SHALL BE NO STEEPER THAN 2' HORIZONTAL TO 1' VERTICAL AND SHALL HAVE NOT LESS THAN 90% COMPACTION OUT TO THE FINISHED SURFACE, UNLESS OTHERWISE NOTED.
6. AREAS TO RECEIVE FILL SHALL BE PROPERLY PREPARED AND APPROVED BY THE BUILDING OFFICIAL AND SOILS ENGINEER PRIOR TO PLACING OF FILL.
7. ALL EXISTING FILLS SHALL BE APPROVED BY THE BUILDING OFFICIAL OR REMOVED BEFORE ANY ADDITIONAL FILLS ARE ADDED.
8. THE FINAL COMPACTION REPORT AND CERTIFICATION FROM THE SOILS ENGINEER PER UBC CHAPTER 70, SECTION 7015 (a) 2, SHALL CONTAIN THE TYPE OF FIELD TESTING PERFORMED. EACH TEST SHALL BE IDENTIFIED WITH THE METHOD OF OBTAINING THE IN-PLACE DENSITY, WHETHER SAND CONE OR DRIVE RING AND SHALL BE SO NOTED FOR EACH TEST. SUFFICIENT MAXIMUM DENSITY DETERMINATIONS SHALL BE PERFORMED TO VERIFY THE ACCURACY OF THE MAXIMUM DENSITY CURVES USED BY THE FIELD TECHNICIAN.
9. THE SOILS ENGINEER SHALL BE RESPONSIBLE FOR THE QUALITY OF THE WORK PERFORMED BY THE GRADING CONTRACTOR, AND SHALL EXERCISE SUFFICIENT SUPERVISORY CONTROL DURING GRADING TO INSURE COMPLIANCE WITH THE PLANS, SPECIFICATIONS AND CODE WITHIN THEIR PURVIEW.
10. DUST SHALL BE CONTROLLED BY WATERING.
11. THE LOCATION AND PROTECTION OF ALL UTILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR.
12. APPROVED PROTECTIVE MEASURES AND TEMPORARY DRAINAGE PROVISIONS MUST BE USED TO PROTECT ADJOINING PROPERTIES DURING THE GRADING PROJECT.
13. WORKING DAY SHALL BE 7:30 A.M. TO 5:30 P.M., MONDAY THRU FRIDAY, ANY EXCEPTIONS TO BE APPROVED BY THE CITY ENGINEER.
14. THE EXACT LOCATION OF THE SUBDRAINS SHALL BE SURVEYED IN THE FIELD FOR LINE AND GRADE.

WORK TO BE DONE

SLOPE RECONSTRUCTION	21,000 C.Y.
CLASS 'A' STRUCTURAL CONCRETE	2.5 C.Y.
#4 REINFORCING STEEL	300 L.F.
18" CMP	40 L.F.
SUBSURFACE DRAINS	550 L.F.
4" PERFORATED PVC PIPE	550 L.F.
4" PVC PIPE	90 L.F.
3" THICK CONCRETE (5% SACKS/CY) DITCHES WITH 6"x6" #10 WIRE MESH	11,500 S.F.

PRIVATE CONTRACT

H & L LAND DEVELOPMENT
1525 SOUTH ESCONDIDO BOULEVARD
ESCONDIDO, CALIFORNIA 92025
TELEPHONE (714) 741-0533

SHEET 1 CITY OF SAN CLEMENTE 2 SHEETS

Grading Plans For:
SLOPE RECONSTRUCTION

Recommended for Approval
Subdivision Engineer
Approved
City Engineer RCE 24833 DATE
Engineer of Work D.F. HOLMAN
Checked by
Approval date
R.C.E. 25865

LEGAL DESCRIPTION:
LOTS 22-31 OF CITY OF SAN CLEMENTE TRACT NO. 3981

APPROVED CHANGES			
No.	Description	Approved By	Date

BENCH MARK
Description:
Location:
Record From:
Elev.: Datum: M.S.L.