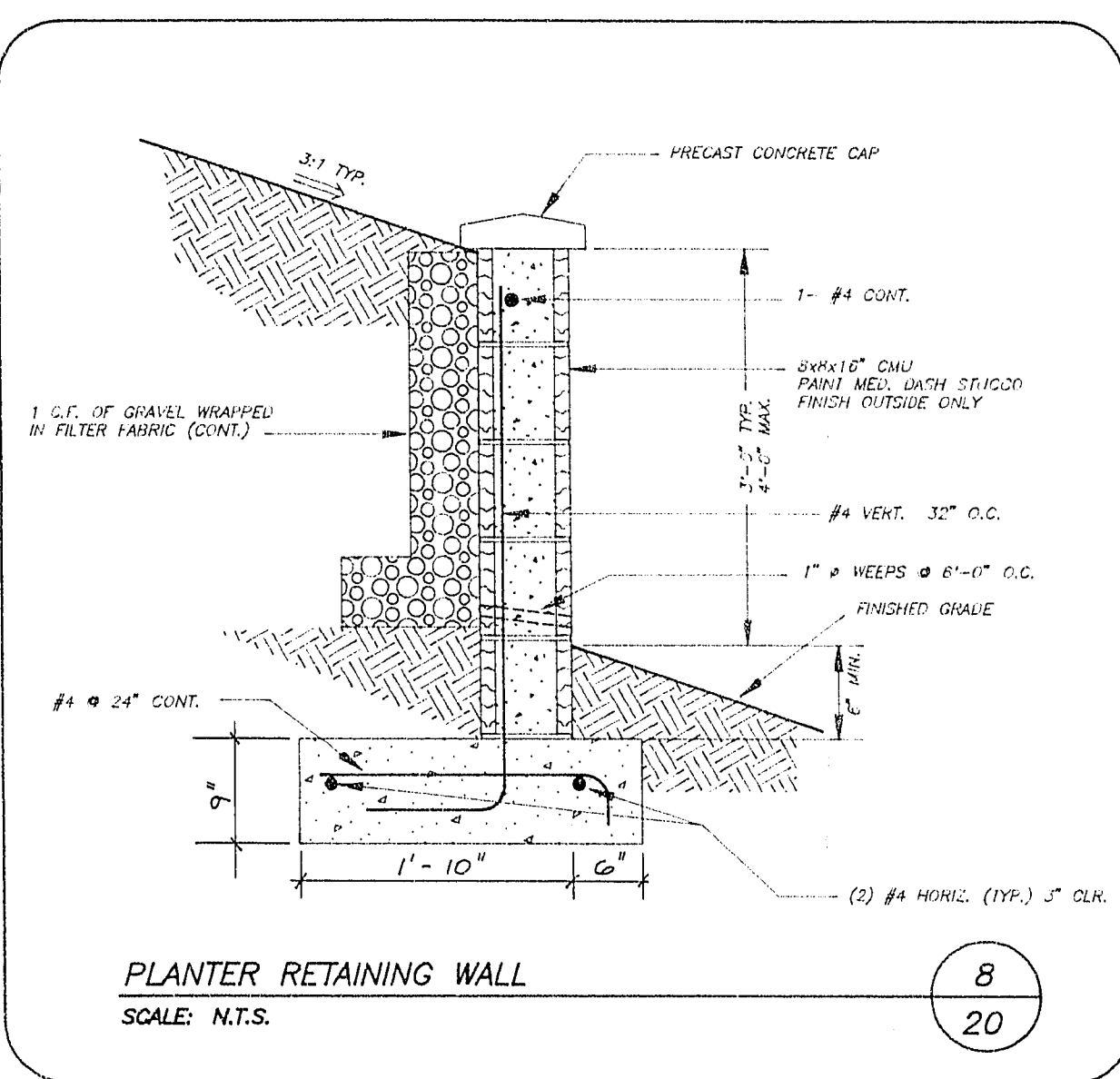
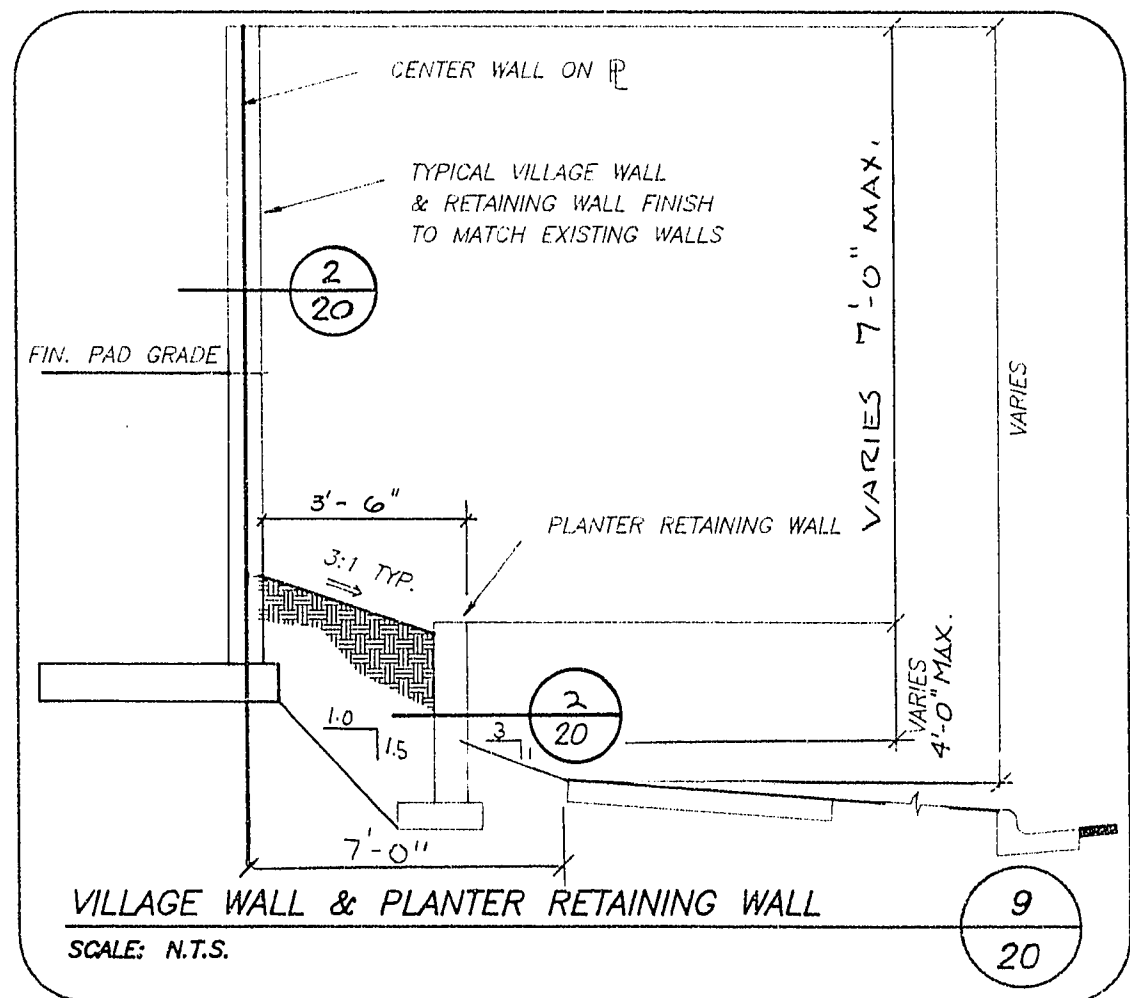
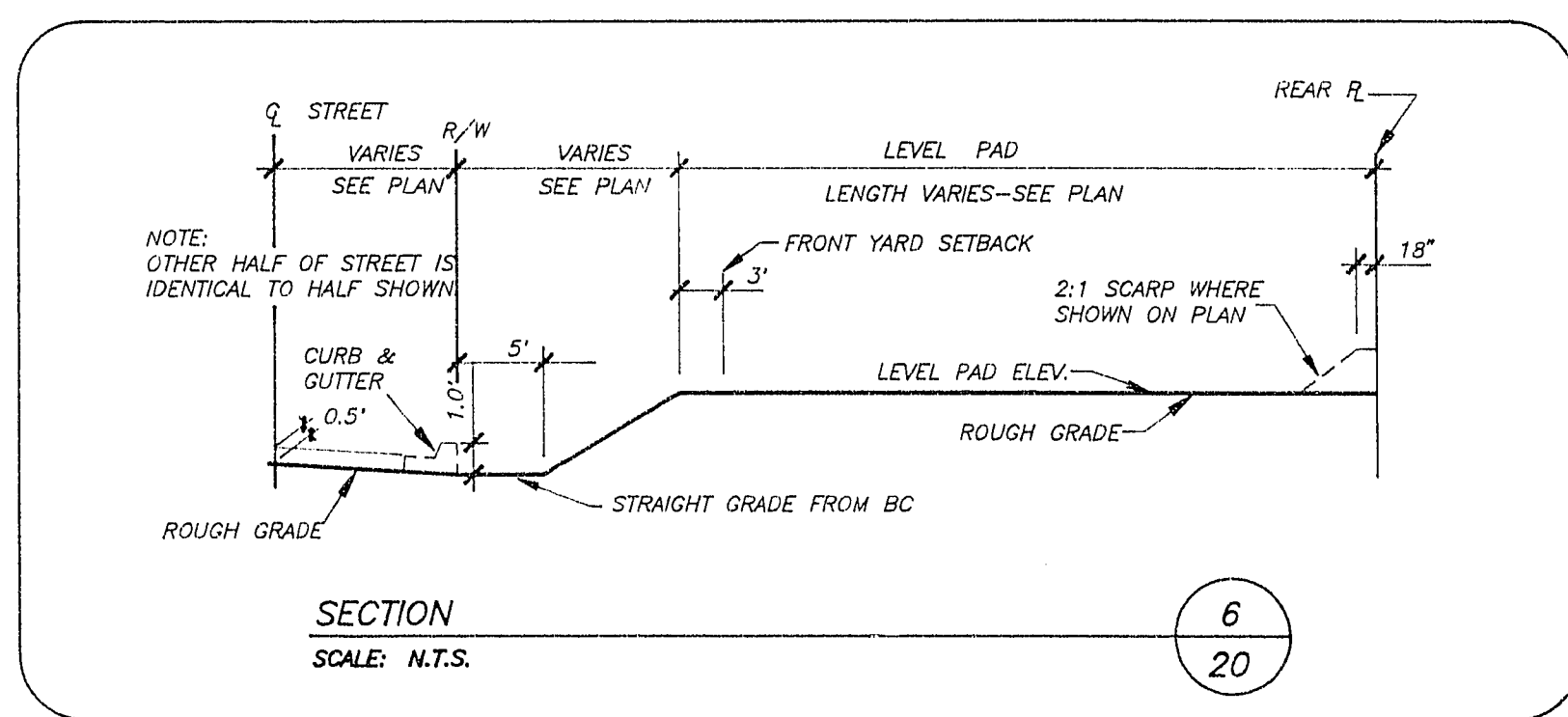
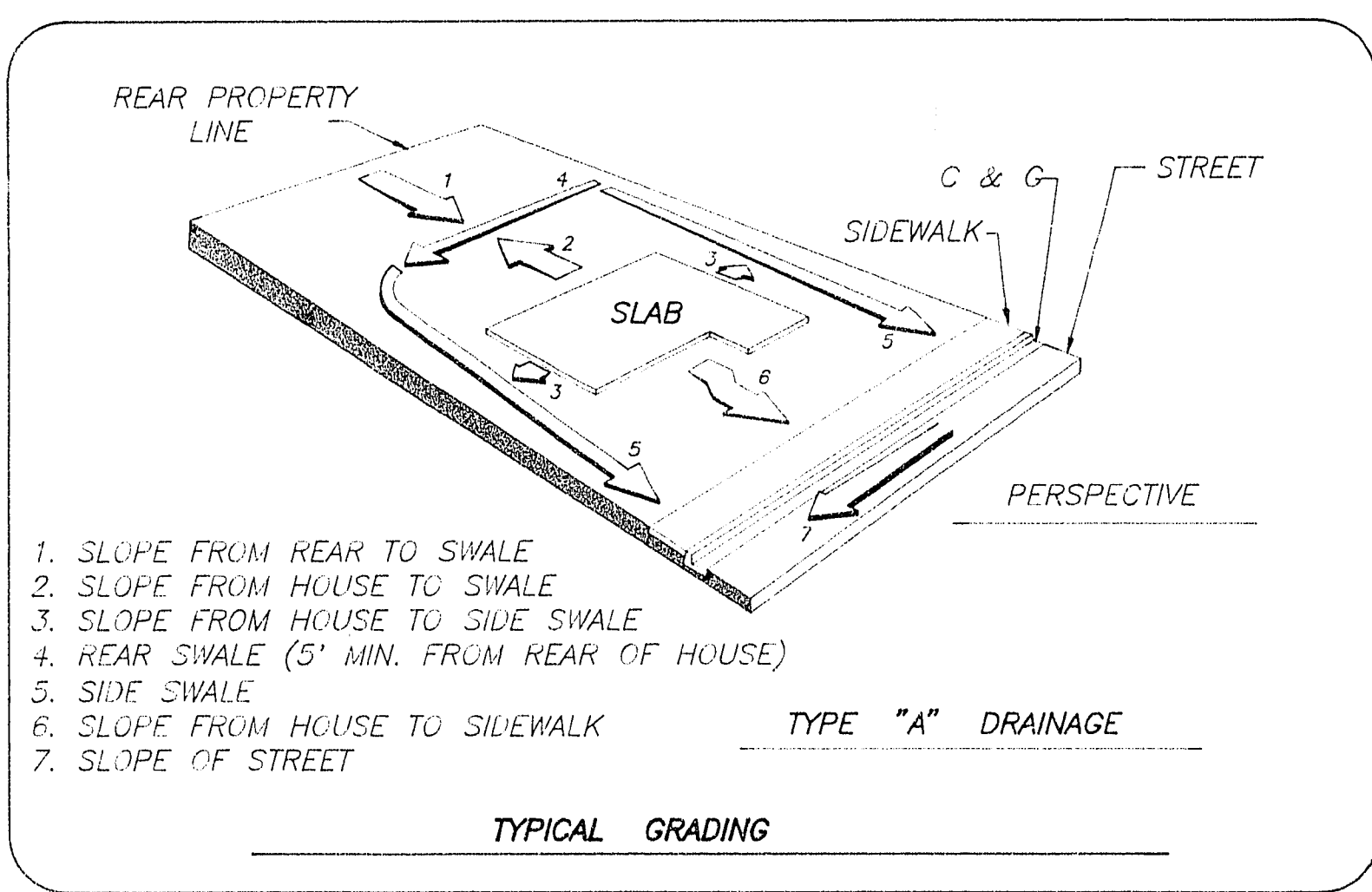


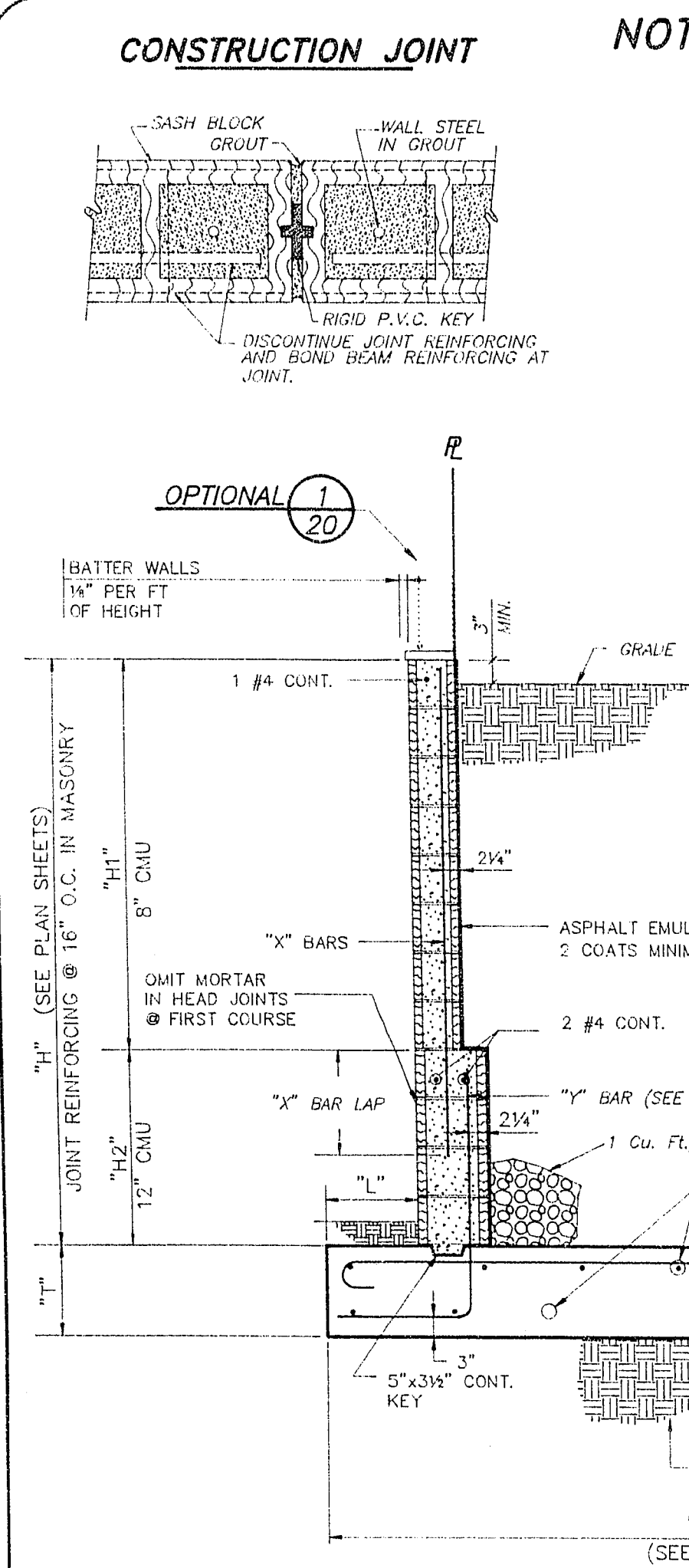
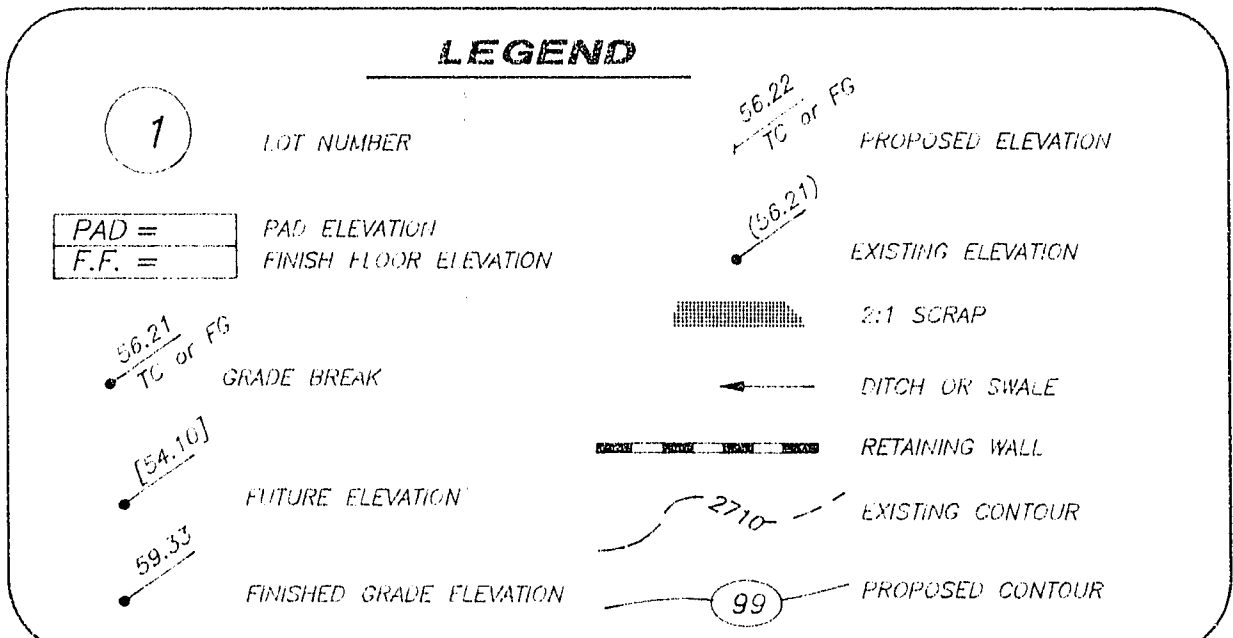


- ### GRADING NOTES:
- INDICATED GRADES OTHER THAN T.C., F.G. & GUTTER F.L. ARE ROUGH GRADES. (0.3' LOWER THAN FINISHED GRADE).
 - THE ROUGH GRADING PLANS SHALL BE ON THE JOB SITE AT ALL TIMES. THE ROUGH GRADING SHALL BE FINISHED IN CONFORMANCE WITH THE LINES AND GRADES SHOWN ON THE PLANS. THE GRADING QUANTITIES ARE BASED ON THE ELEVATION AND DETAILS SHOWN ON THE PLANS. ANY DEVIATIONS FROM THE PLANS WILL RESULT IN QUANTITY CHANGES.
 - CARE SHALL BE EXERCISED IN GRADING CORNER LOTS.
 - ROUGH PAD ELEVATIONS SHALL BE GRADED TO WITHIN 0.3' OF THE PAD ELEVATIONS SHOWN ON THE PLANS.
 - SOILS REPORT PREPARED BY WESTERN TECHNOLOGIES, INC., WITH WTI PROJECT NO. 4122JM301, DATED SEPTEMBER 28, 1992.
 - EARTH QUANTITIES:

EXCAVATION	59,497 C.Y.
FILL	63,689 C.Y.

 - THE ABOVE QUANTITIES DO NOT REFLECT LOSSES DUE TO SUBSIDENCE OR SHRINKAGE.
 - THE ABOVE QUANTITIES DO NOT REFLECT USING TYPE 1 GRAVEL BASE MATERIAL FOR STREET SECTIONS.
 - THE ABOVE QUANTITIES DO NOT REFLECT ANY EARTHWORK WHICH MAY BE REQUIRED BY THE ENGINEER TO CONSTRUCT ADDITIONAL PROTECTIVE DITCHES OR BERMS NOT SHOWN ON THESE DRAWINGS.

Call before you Dig.
1-800-227-2600
UNDERGROUND SERVICE (USA)



NOTE: SPECIAL INSPECTION IS REQUIRED FOR WALL HTS. 7'-4" < H ≤ 10'-0"

DIMENSIONS						REINFORCEMENT				SPECIAL INSPECTION
H	H1	H2	W	T	L	BAR LAP	BARS	BARS	BARS	
2'-0"	H	-	2'-0"	12"	9"	24"	#4 @ 48"	-	#4 @ 24"	NO
3'-4"	H	-	2'-6"	12"	9"	24"	#4 @ 24"	-	#4 @ 24"	NO
4'-8"	H	-	3'-0"	12"	9"	24"	#4 @ 24"	-	#4 @ 12"	NO
5'-4"	H	-	3'-6"	12"	9"	24"	#6 @ 24"	-	#4 @ 12"	NO
6'-0"	3'-4"	2'-8"	4'-0"	12"	9"	24"	#4 @ 24"	#4 @ 24"	#4 @ 12"	NO
6'-8"	4'-0"	2'-8"	4'-3"	12"	9"	24"	#4 @ 24"	#5 @ 24"	#4 @ 12"	NO
7'-4"	4'-0"	3'-4"	4'-9"	14"	9"	24"	#4 @ 24"	#6 @ 24"	#5 @ 12"	NO
8'-0"	4'-8"	3'-4"	5'-8"	14"	9"	24"	#4 @ 24"	#6 @ 24"	#5 @ 12"	YES
8'-8"	5'-4"	3'-4"	6'-3"	18"	1'-6"	36"	#6 @ 24"	#6 @ 24"	#5 @ 12"	YES
9'-4"	5'-4"	4'-0"	6'-6"	18"	1'-6"	36"	#6 @ 24"	#7 @ 24"	#5 @ 12"	YES
10'-0"	5'-4"	4'-8"	7'-9"	18"	1'-6"	36"	#6 @ 24"	#8 @ 24"	#5 @ 12"	YES

- NOTES:**
- MASONRY UNITS SHALL BE ASTM C-90, GRADE N-1 HOLLOW CONCRETE UNITS.
 - MORTAR SHALL BE ASTM C270, TYPE "M" OR "S".
 - GROUT SHALL HAVE A MINIMUM STRENGTH OF 2000 PSI AT 28 DAYS USING TYPE V CEMENT PER ASTM C-150.
 - CONCRETE SHALL HAVE A MINIMUM STRENGTH OF 2500 PSI AT 28 DAYS USING TYPE V CEMENT PER ASTM C-150.
 - REINFORCING STEEL SHALL CONFORM TO ASTM A-615, GRADE 60.
 - UNLESS OTHERWISE NOTED, ALL MATERIALS SHALL CONFORM TO THE UNIFORM BUILDING CODE, LATEST EDITION, AND PER STANDARD SPECIFICATIONS FOR THE CITY OF LAS VEGAS, NEVADA.
 - SOLID GROUT ALL MASONRY UNITS THAT ARE BELOW THE HIGHEST FINISH GRADE AT THE WALL.
 - ALL WALLS ARE SUBJECT TO APPROVAL BY THE CITY OF LAS VEGAS, NEVADA BUILDING DEPARTMENT.
 - WALLS SHALL BE STEPPED ONLY AS SHOWN ON THE PLANS.
 - ALL CORNERS OR ANGLES SHALL BE TIED TOGETHER WITH REINFORCING STEEL AND GROUTED SOLID.
 - HORIZONTAL JOINT REINFORCING SHALL BE 9-GA. LADDER TYPE WITH LAP SPLICES OF 12" MINIMUM.
 - BOND BEAMS AND JOINT REINFORCING SHALL NOT BE CONTINUOUS THROUGH WALL CONSTRUCTION JOINTS.
 - BACKFILL BEHIND WALLS SHALL BE COMPACTED TO 90% OF STANDARD PROCTOR DENSITY.
 - WHERE VERTICAL GROUT LIFTS ARE NOT CONTINUOUS FOR THE ENTIRE HEIGHT OF THE WALL, TERMINATE LIFT 1" BELOW TOP OF TOP BLOCK TO FORM A KEY FOR FUTURE LIFTS.
 - WHERE H2 EXCEEDS 2'-6", "Y" BARS MAY BE SPLICED TO SEPARATE FOOTING DOWNELS USING A 48 BAR DIAMETER LAP SPLICE.
 - LOCATE CONSTRUCTION JOINTS IN RETAINING WALL AT 24'-0" MAXIMUM.
 - SPECIAL INSPECTION PER UBC SECTION 306 SHALL BE PROVIDED.
 - IF ACTUAL HEIGHT OF WALL IS NOT LISTED IN TABLE BELOW, USE STEEL AND DIMENSIONS FOR NEXT HIGHEST WALL LISTED.
 - PROJECT SOILS REPORT: WESTERN TECHNOLOGIES, INC. PROJECT NO. 4122JM301 SEPTEMBER 28, 1992. ALL RECOMMENDATIONS MADE BY THE ABOVE SOILS REPORT SHALL BE IMPLEMENTED DURING CONSTRUCTION.

