

GENERAL

1. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE CONTRACT DRAWINGS.
2. DURING THE CONSTRUCTION PERIOD THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF THE BUILDING. THE CONTRACTOR SHALL PROVIDE ADEQUATE SHORING BRACING AND GUYS IN ACCORDANCE WITH ALL NATIONAL STATE AND LOCAL SAFETY ORDINANCES. ANY DEVIATION MUST BE APPROVED PRIOR TO ERECTION.
3. ALL ERECTION PROCEDURES SHALL CONFORM TO OSHA STANDARDS. ANY DEVIATION MUST BE APPROVED BY OSHA PRIOR TO ERECTION.
4. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION PROCEDURES INCLUDING LAGGING SHORING AND PROTECTION OF ADJACENT PROPERTY, STRUCTURES, STREETS AND UTILITIES IN ACCORDANCE WITH ALL NATIONAL STATE AND LOCAL SAFETY ORDINANCES.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE WORK OF ALL TRADES AND SHALL CHECK ALL DIMENSIONS. ALL DISCREPANCIES SHALL BE CALLED TO THE ATTENTION OF THE ENGINEER AND BE RESOLVED BEFORE PROCEEDING WITH THE WORK.
6. DRAWINGS INDICATE GENERAL AND TYPICAL DETAILS OF CONSTRUCTION. WHERE CONDITIONS ARE NOT SPECIFICALLY INDICATED BUT ARE OF SIMILAR CHARACTER TO DETAILS SHOWN, SIMILAR DETAILS OF CONSTRUCTION SHALL BE USED SUBJECT TO REVIEW BY THE ENGINEER.
7. COORDINATE WITH MECHANICAL PLUMBING AND ELECTRICAL REQUIREMENTS FOR SIZE AND LOCATION OF ALL OPENINGS REQUIRED FOR DUCTS, PIPES, PIPE SLEEVES, ELECTRICAL CONDUITS, AND OTHER ITEMS TO BE EMBEDDED IN CONCRETE OR OTHERWISE INCORPORATED IN STRUCTURAL WORK.
8. PROVIDE OPENINGS AND SUPPORTS AS REQUIRED PER STANDARD DETAILS FOR HEATERS, MECHANICAL EQUIPMENT, VENTS, DUCTS, PIPING, ETC. ALL SUSPENDED MECHANICAL EQUIPMENT SHALL BE SWAY OR LATERALLY BRACED.
9. ALL INFORMATION SHOWN ON THE DRAWINGS RELATIVE TO EXISTING CONDITIONS IS GIVEN AS THE BEST PRESENT KNOWLEDGE BUT WITHOUT GUARANTEE OF ACCURACY. WHERE ACTUAL CONDITIONS CONFLICT WITH THE DRAWINGS THEY SHALL BE REPORTED TO THE ENGINEER SO THAT THE PROPER REVISIONS MAY BE MADE. MODIFICATION TO DETAILS OF CONSTRUCTION SHALL NOT BE MADE WITHOUT PRIOR WRITTEN APPROVAL OF THE ENGINEER.

DESIGN CRITERIA

1. BUILDING CODE: 1997 UNIFORM BUILDING CODE, WITH SEATTLE AMENDMENTS.
3. LATERAL SEISMIC LOADS (ZONE 3) $V = C_v I W / R T$ (BASE SHEAR)
 $Z = 0.30 \quad I = 1.0 \quad C_v = 54 \quad R = 1.9 \quad W = \text{DEAD LOAD}$

CONCRETE

1. ALL CONCRETE UNLESS OTHERWISE NOTED SHALL BE REGULAR WEIGHT HARD ROCK TYPE (150 YCF). AGGREGATES SHALL CONFORM TO ASTM C33 WITH PROVEN SHRINKAGE CHARACTERISTICS OF LESS THAN 0.05%.
2. CONCRETE COMPRESSIVE STRENGTHS AT 28 DAYS (f_c) SHALL BE:
 CONTINUOUS CURB: 2500 PSI
3. ALL CONCRETE WITH A DESIGNATED COMPRESSIVE STRENGTH EXCEEDING 2500 PSI SHALL REQUIRE SPECIAL INSPECTION BY AN INSPECTOR APPROVED BY THE BUILDING DEPARTMENT AND THE ENGINEER.
4. CEMENT SHALL CONFORM TO ASTM C150, TYPE I, CSA NORMAL.
5. MAXIMUM SLUMP SHALL NOT EXCEED 4 INCHES IN FLATWORK.
6. PLACEMENT OF CONCRETE SHALL BE IN CONFORMANCE WITH ACI 301.
7. MINIMUM CONCRETE COVERAGE OF REINFORCING STEEL FOR CONCRETE CAST AGAINST GROUND SHALL HAVE 3" MINIMUM COVERAGE.
8. PIPES OTHER THAN ELECTRICAL CONDUITS SHALL NOT BE EMBEDDED IN STRUCTURAL CONCRETE EXCEPT WHERE SPECIFICALLY APPROVED.
9. CONCRETE MIXES SHALL BE PROVIDED IN ACCORDANCE WITH THE UNIFORM BUILDING CODE TABLES 19-A (WHEN STRENGTH DATA FROM TRIAL BATCHES OR FIELD EXPERIENCE ARE NOT AVAILABLE).

F _c (PSI)	CEMENT CONTENT LBS/CUBIC YARD	
	(MINIMUM)	SACKS PER CUBIC YARD (MINIMUM)
2500	470	5 1/2
3000	517	5 1/2

REINFORCING STEEL

1. ALL REINFORCING STEEL SHALL CONFORM TO ASTM A615 GRADE 60 UNLESS OTHERWISE NOTED.
2. ALL REINFORCING STEEL SHALL BE LAPPED AS NOTED ON THE PLANS. WHERE LAP OR SPLICE LOCATIONS ARE NOT SPECIFICALLY INDICATED ON THE CONSTRUCTION DOCUMENTS, LAPS AND/OR SPLICES SHALL BE WELL STAGGERED.
3. ANCHOR BOLTS, DOWELS AND OTHER EMBEDDED ITEMS SHALL BE SECURELY TIED IN PLACE BEFORE CONCRETE IS POURED.

PILE FOUNDATIONS

1. THE FOUNDATION DESIGN IS BASED ON THE RECOMMENDATIONS IN REPORT BY DANIEL HJANG, P.E. 2728 NE 23D PL. RENTON, WA. DATED 2-16-98 UNLESS OTHERWISE INDICATED. FOUNDATION WORK SHALL BE PERFORMED IN ACCORDANCE WITH THIS REPORT. THE REPORT IS PART OF THIS PLAN AND SHOULD BE KEPT ON THE JOB SITE AT ALL TIMES.
2. ALL DRILLING OPERATIONS AND PLACING OF CONCRETE FOR PILES SHALL BE UNDER THE SUPERVISION OF THE SOILS ENGINEER AND A REGISTERED CONCRETE INSPECTOR.
3. A LOG OF THE PILE DRIVING SHALL BE KEPT AND A COPY SUBMITTED TO THE BUILDING DEPARTMENT AND THE STRUCTURAL ENGINEER ALONG WITH A WRITTEN CERTIFICATION THAT THE WORK SUPERVISED CONFORMS WITH THE CONSTRUCTION DOCUMENTS. THIS SHALL BE DONE PRIOR TO INSTALLATION OF THE CURB.
4. COMPACTION MATERIAL FOR FILLING AND BACKFILLING SHALL CONSIST OF THE EXCAVATED MATERIAL AND/OR IMPORTED LUMBER OR OTHER DEBRIS. FILL AND BACKFILL SHALL BE DEPOSITED IN LAYERS NOT TO EXCEED 8 INCHES THICK AND THOROUGHLY MOISTENED TO APPROPRIATE OPTIMUM REQUIREMENTS. EQUIPMENT IN SUCH A MANNER AND EXTENT AS TO PRODUCE A RELATIVE COMPACTION OF 95% OF MAXIMUM POSSIBLE DENSITY AS DETERMINED BY ASTM D1557. HAND TAMPERS SHALL WEIGH AT LEAST 50 POUNDS EACH AND SHALL HAVE A FACE AREA NOT IN EXCESS OF 64 SQUARE INCHES. HAND TAMPERS MAY BE OPERATED EITHER MANUALLY OR MECHANICALLY AND SHALL BE USED WHERE LARGER POWER DRIVEN COMPACTION EQUIPMENT CANNOT BE USED.

STRUCTURAL STEEL

1. ALL STRUCTURAL AND MISCELLANEOUS STEEL SHALL CONFORM TO ASTM A36 AND SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE AISC SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS, LATEST EDITION. SHOP DRAWINGS SHALL BE SUBMITTED FOR APPROVAL PRIOR TO FABRICATION.
2. NO ATTEMPT HAS BEEN MADE TO DIFFERENTIATE BETWEEN SHOP AND FIELD WELDED CONNECTIONS. ALL WELDING IS TO COMPLY WITH AISC SPECIFICATIONS AND IS TO BE DONE BY CERTIFIED WELDERS.
3. WELDING: ALL WELDING IS TO COMPLY WITH AISC SPECIFICATIONS AND IS TO BE DONE BY CERTIFIED WELDERS AS REQUIRED BY THE DEPARTMENT OF BUILDING SAFETY. ALL WELDING IS TO BE DONE BY ELECTRIC ARC PROCESS AND SHALL BE PERFORMED WITH APPROVED ELECTRODES AS REQUIRED BY THE BUILDING CODE.
4. FIELD WELDS ARE DESIGNED AT HALF STRESS. NO CONTINUOUS INSPECTION IS REQUIRED UNLESS OTHERWISE NOTED.
5. ALL STRUCTURAL STEEL EXPOSED TO EARTH OR WEATHER SHALL BE WEATHER PROTECTED UNLESS OTHERWISE NOTED.
6. CITY OF SEATTLE REQUIRES ALL STRUCTURAL WELDERS TO BE CERTIFIED BY THE WASHINGTON ASSOCIATION OF BUILDING OFFICIALS (WABO) WELDERS.

FRAMING LUMBER

1. LAGGING SHALL BE DOUGLAS FIR/LARCH NO.1 LUMBER TO BE GRADE MARKED PER WCLB SPECIFICATIONS.
2. MAXIMUM MOISTURE CONTENT SHALL NOT EXCEED 16% FOR ALL STRUCTURAL MEMBERS.
3. ALL LAGGING SHALL BE PRESSURE TREATED. (SEE NOTE 1 FOR MINIMUM GRADE INFORMATION)



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REVISIONS	

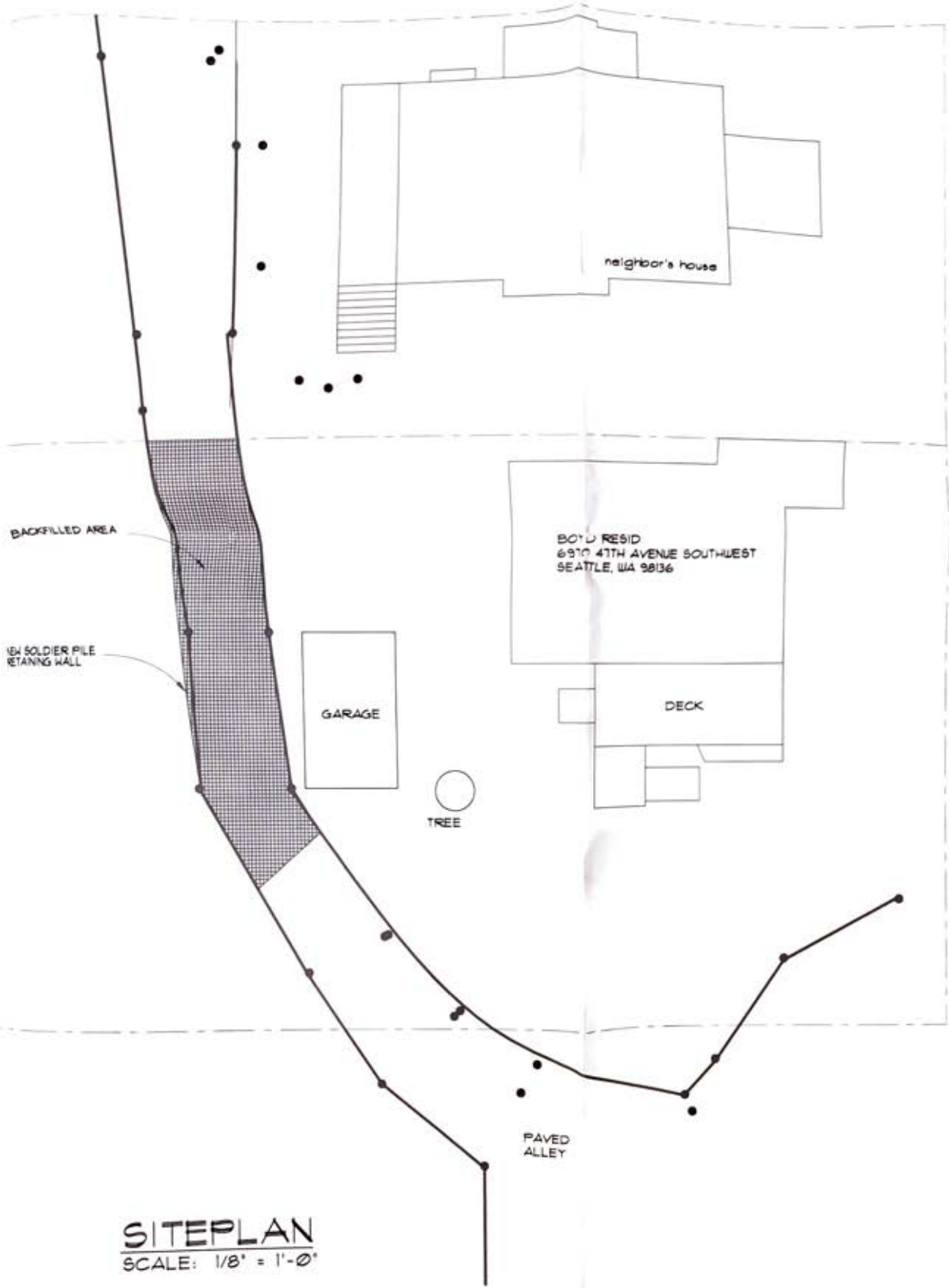
**GENERAL NOTES
RETAINING WALL SITE PLAN**

SOLDIER PILE RETAINING WALL
KENNETH L. BOYD RESIDENCE
6970 47TH AVENUE SOUTHWEST
SEATTLE, WA 98136

FOR fine construction, inc.
Project done by Mr. Donald P. W.

S.I.O.
DATE 08/19/16

98040-Q



SITEPLAN
SCALE: 1/8" = 1'-0"



SLO

SOLDIER PILE RETAINING WALL
 KENNETH L BOYD RESIDENCE
 6970 47TH AVENUE SOUTHEAST
 SEATTLE, WA 98136

GENERAL NOTES
RETAINING WALL SITE PLAN

REVISIONS

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DATE 6/19/98

FOR fine construction, inc.
Project done by MacDonald P/W