	<u>1</u>	YPICA	L ABBREVIATIONS		
(A) AB A/C ACI ADJ ADJ AESS AGGR AISC AISI AITC ALIT ALUM ARCH @ APPROX ASCE ASPH ASTM AWS &	ABOVE ANCHOR BOLT ASPHALITC CONCRETE AMERICAN CONCRETE INSTITUTE ADDITIONAL ADJACENT ARCHITECURALLY EXPOSED STRUCTURAL STEEL AGGREGATE AMERICAN INSTITUTE OF STEEL CONSTRUCTION AMERICAN IRON AND STEEL INSTITUTE AMERICAN INSTITUTE OF TIMBER CONSTRUCTION ALTERNATE ALUMINUM ARCHITECT, ARCHITECTURAL AT APPROXIMATELY AMERICAN SOCIETY OF CIVIL ENGINEERS ASPHALT AMERICAN SOCIETY FOR TESTING MATERIAL AMERICAN WELDING SOCIETY AND	FD FDN FIN FF FLG FLR FLASH FOS FP	FLOOR DRAIN FOUNDATION FOUNDATION FINISH, FINISHED FINISHED FLOOR, FAR FACE FLANGE FLOOR FLASHING FACE OF STUDS FIREPROOF, FULL PENETRATION FINISH SLAB ELEVATION, FAR SIDE FOOTI, FEET FOOTING FUTURE FIELD VERIFY GAUGE, GAGE GALVANIZED GENERAL GIRDER GLUE LAMINATED GROUND GRADE	P/C PEMB PERP PJ PL PLCS PLWD PP P/S PSI PSI PSI PVC PVMT R RD REF	PRECAST PRE-ENGINEERED METAL BUILDING PERPENDICULAR PANEL JOINT PLATE (STEEL), PROPERTY LINE PLATE (WOOD) PLACES PLYWOOD PARTIAL PENETRATION PRESTRESSED POUNDS PER SQUARE FOOT POUNDS PER SQUARE INCH PARALLEL STRAND LUMBER PRESSURE TREATED POST TENSION POLYVINYL CHLORIDE PAVEMENT RADIUS ROOF DRAIN, ROUND REFERENCE
(B) B BD BITUM BL BLDG BLK BLKG BOD BM BOT BRG BSMT BTWN	BELOW BOTTOM (BEAM AND JOIST SCHEDULES ONLY) BOARD BITUMINOUS BUILDING LINE BUILDING BLOCK BLOCKING BOTTOM OF DECK ELEVATION BEAM BOTTOM BEARING BASEMENT BETWEEN	GWB GYP HDG HEF HORIZ HP HSB HT IBC ID IE IF	GYPSUM WALL BOARD GYPSUM HOT DIPPED GALVANIZED HORIZONTAL EACH FACE HORIZONTAL HIGH POINT, HP STEEL SHAPE HIGH STRENGTH BOLT HEIGHT INTERNATIONAL BUILDING CODE INSIDE DIAMETER INVERT ELEVATION INSIDE FACE INCH	REINF REQD RO RS SCHED SEC- SH SHT SHTG SIM SIP SLBB SMS	REINFORCING, REINFORCEMENT, REINFORCED REQUIRED ROUGH OPENING RING SHANK AMERICAN STANDARD STEEL SHAPE, SOUTH SCHEDULE SECTION SHEAR PLATE SHEETING SHEATHING SIMILAR STRUCTURAL INSULATED PANEL SHORT LEGS BACK TO BACK SHEET METAL SCREWS
C CB CG CJ CIP CL CJP CLKG CLR CMP CO COL CONC CONC CONTR CONTR CTJ, CJ CTSK CU	AMERICAN CHANNELS CATCH BASIN CENTER OF GRAVITY CONSTRUCTION JOINT CASTAN-PLACE CENTER LINE COMPLETE JOINT PENETRATION CAULKING CLEAR CORRUGATED METAL PIPE CONCRETE MASONRY UNIT CLEANOUT, CONCRETE OPENING COLUMN CONCRETE CONNECTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONTROL JOINT, CONTRACTION JOINT CENTER COUNTERSUNK CUBIC	INCL INSUL I	INCLUDE INSULATION, INSULATED, INSULATE INTERIOR JOINT JOIST KIP, KIPS KIPS PER SQUARE INCH POUND LONG LEGS HORIZONTAL LONG LEGS HORIZONTAL LONG GRITUDINAL LOW POINT LONG SLOTTED HOLES LIGHT LIGHT WEIGHT ANGLE LOW VELOCITY FASTENERS MISCELLANEOUS SHAPE	SOG SP SPA SPEC SQ SS SSL ST STA STD STIFF STIRR STL STRUCT SUP SUPT SUPT SUPT SUPT SUPT SUPT SUPT	CONCRETE SLAB ON GRADE SPIRAL SPACE, SPACING SPACES SPECIFICATION SQUARE STAINLESS STEEL SHORT SLOTTED HOLE STRUCTURAL T FROM S SERIES SECTION STATION STATION STANDARD STIFFENED STIFFENED STIRUP STEEL STRUCTURAL SUSPENDED SYMMETRICAL TOP TOP OF CURB
DBL DEPT DET DIA, Ø DIAA DIAB DIAG DIAPH DIEB DIM DN do DP DWG DWL	DOUBLE DEPARTMENT DETAIL DIAMETER DRILLED-IN ADHESIVE ANCHOR DRILLED-IN ADHESIVE BOLT DIAGONAL DIAPHRAGM DRILLED-IN EXPANSION BOLT DIMENSION DOWN DITTO DEEP DRAWING DOWEL	MAS MATL MAX MC MECH MEMB MFR MFRG MIN MISC MT	MASORRY MATERIAL MAXIMUM MISCELLANEOUS CHANNEL SECTION MECHANICAL MEMBRANE MANUFACTURER MANUFACTURING MINIMUM MISCELLANEOUS STRUCTURAL TEE FROM M SERIES SECTION MOUNTED METAL	T&G TEMP THK THRU TOB TOC TOF TOS TOSH TOW TP TRANS TS TYP	TONGUE AND GROOVE TEMPERATURE, TEMPORARY THICK THROUGH TOP OF BEAM ELEVATION TOP OF CONCRETE ELEVATION, TOP OF COMU ELEVATION TOP OF FOOTING ELEVATION TOP OF STEEL ELEVATION TOP OF SHEATHING ELEVATION TOP OF WALL ELEVATION TOP OF WALL ELEVATION TOP OF PAVEMENT TRANSVERSE STRUCTURAL TUBE TYPICAL
E EA EB EF EXJ ELEC ELLEC ENGR EOD EQ EOJ EOUP EXXT, (E) EXXT	EAST EACH EXPANSION BOLT EACH FACE EXPANSION JOINT ELEVATION (HEIGHT) ELECTRICAL ELEVATOR ENCLOSURE ENGINEER EDGE OF DECK EQUAL EARTHQUAKE JOINT EQUIPMENT EACH SIDE EACH WAY EXISTING EXPANSION EXTERIOR	N NDT NF NIC NF NO OR # NOM NS NTS OA OC OD OF OPPG OPP OVS	NORTH NON-DESTRUCTIVE TESTING NEAR FACE NOT IN CONTRACT NUMBER NOMINAL NEAR SIDE NOT TO SCALE OVERALL ON CENTER OUTSIDE DIAMETER OUTSIDE FACE OPENING OPPOSITE OVERSIZED	UBC UL UON UT VEF VERT VIF VOF W W/ W/O WH WHS WP WPJ WT	UNIFORM BUILDING CODE UNDERWITTERS LABORATORY UNLESS OTHERWISE NOTED ULTRASONIC TEST VERTICAL EACH FACE VERTICAL VERTICAL EACH FACE VERTICAL OUTSIDE FACE WEST, W SERIES SECTION WITH WITHOUT WOOD WEEP HOLE WELDED HEADED STUD WATERPROOF, WORK POINT WEAKENED PLANE JOINT WEIGHT, STRUCTURAL TEE FROM W SERIES SECTION WELDED WIRE FABRIC

YARD

GENERAL NOTES

THE FOLLOWING NOTES APPLY UNLESS INDICATED OTHERWISE:

INTERNATIONAL BUILDING CODE, 2012 EDITION.

DESIGN SOIL PRESSURE:

1500 PSF MAX DEAD + LIVE LOAD, PLUS 150 PSF PER FOOT OF BURIAL DEPTH

CAST FOOTINGS ON COMPACTED SUBGRADE, SPECIAL INSPECTION REQUIRED.

DESIGN LIVE LOADS:

RETAINING WALLS

90 PCF INCLUDING SEISMIC

REINFORCED CONCRETE:

ALL CONCRETE - fc = 3500 PSI, MAXIMUM W/C = 0.50, SUBMIT MIX DESIGN. SPECIAL INSPECTION REQUIRED.

UNLESS OTHERWISE NOTED, REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60. PROVIDE CLASS B SPLICE. SUBMIT REINFORCING STEEL SHOP DRAWINGS WITH DETAILS PER ACI 315 MANUAL OF STANDARD PRACTICE.

ASTM A706, GRADE 60, REINFORCING STEEL SHALL BE USED FOR WELDED OR FIELD-BENT BARS.

WELDED WIRE FABRIC PER ASTM A185. FURNISH IN FLAT SHEETS, NOT ROLLS. LAP EDGES 1'-0".

CONCRETE COVER:

FOOTINGS 3". PILASTERS AND WALLS 2".

GROUT – 5000 PSI MINIMUM 7-DAY CUBE STRENGTH PER ASTM C1107. GROUT TO BE PREMIXED, NONMETALLIC, SHRINKAGE-RESISTANT GROUT PER ASTM C1107. USE SPECIFIC GROUT MIX RECOMMENDED BY MANUFACTURER FOR EACH GROUT APPLICATION AND FOLLOW MANUFACTURER'S INSTRUCTIONS.

DRILL-IN EXPANSION ANCHORS:

"KWIK BOLT TZ" BY HILTI FASTENING SYSTEMS OR APPROVED EQUAL. ICC-ES CERTIFICATION FOR SEISMIC RESISTANCE IN CRACKED CONCRETE REQUIRED. SPECIAL INSPECTION REQUIRED.

DRILLAN ADHESIVE ANCHORS:

"HIT HY 200" ADHESIVE ANCHOR SYSTEM BY HILTI FASTENING SYSTEMS FOR CONCRETE OR APPROVED EQUAL. ICC-ES CERTIFICATION FOR SEISMIC RESISTANCE IN CRACKED CONCRETE REQUIRED. SPECIAL INSPECTION REQUIRED.

CONCRETE SCREW ANCHORS:

"KWIK HUS EZ" ANCHOR SYSTEM BY HILTI FASTENING SYSTEMS FOR CONCRETE OR APPROVED EQUAL. ICC-ES CERTIFICATION FOR SEISMIC LOAD RESISTANCE IN CRACKED CONCRETE REQUIRED. SPECIAL INSPECTION REQUIRED.

PRECAST CONCRETE:

fc = 3500 PSI, MAXIMUM W/C = 0.50, SUBMIT MIX DESIGN. SPECIAL INSPECTION REQUIRED.

REINFORCING STEEL, DETAILS AND SUBMITTALS AS NOTED FOR REINFORCED CONCRETE. SUBMIT SHOP DRAWINGS SHOWING EMBEDDED ITEMS, BLOCKOUTS, ADDED REINFORCING REQUIRED FOR LIFTING, AND TYPE AND LOCATION OF ALL LIFTING DEVICES. PROVIDE TEMPORARY BRACING TO RESIST WIND LOADING UNTIL PERMANENT SUPPORT IS INSTALLED. FABRICATION, TRANSPORTATION, AND ERECTION PER PCI STANDARDS.

STRUCTURAL STEEL:

ALL STEEL ASTM A36, EXCEPT PIPE SECTIONS TO BE ASTM A53 TYPE E GRADE B. SPECIAL INSPECTION REQUIRED. FABRICATION AND ERECTION PER AISC SPECIFICATIONS. FABRICATOR SHALL PARTICIPATE IN AISC QUALITY CERTIFICATION PROGRAM AND BE DESIGNATED AN AISC CERTIFIED PLANT, CATEGORY BU. SUBMIT SHOP DRAWINGS.

WELDING PER AWS D1.1. MINIMUM SIZE WELDS 3/16" CONTINUOUS FILLET, WELDERS CERTIFIED PER AMERICAN WELDING SOCIETY FOR ROD AND POSITION. ELECTRODES SHALL BE E70XX MINIMUM, WITH MINIMUM CHARPY V-NOTCH TOUGHNESS OF 20 FT-LB AT -20 DEG F.

HEADED SHEAR STUDS - SHEAR STUDS PER ASTM A108, GRADES 1010 THRU 1020, HEADED TYPE, AWS D1.1, TYPE B,

MISCELLANEOUS:

CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS, MEMBER SIZES AND CONDITIONS PRIOR TO COMMENCING ANY WORK, ALL DIMENSIONS OF EXISTING CONSTRUCTION SHOWN ON THE DRAWINGS ARE INTENDED AS GUIDELINES ONLY AND MUST BE VERIFIED. THE EXISTING CONDITIONS SHOWN ON THE DRAWINGS ARE BASED ON EITHER SITE OBSERVATION, ORIGINAL DRAWINGS OR WERE ASSUMED BASED ON EXPECTED CONDITIONS. IF THE EXISTING CONDITIONS DO NOT CLOSELY MATCH THE CONDITIONS SHOWN ON THE DRAWINGS, OR IF THE EXISTING MATERIALS ARE OF QUESTIONABLE OR SUBSTANDARD QUALITY, NOTIFY THE ARCHITECT PRIOR TO COMMENCING ANY WORK.

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 AND APPROVAL BY THE ARCHITECT AND STRUCTURAL ENGINEER.

REFER TO ARCHITECTURAL DRAWINGS FOR WALL OPENINGS, ARCHITECTURAL TREATMENT AND DIMENSIONS NOT

SHOP DRAWINGS SHALL BE SUBMITTED AND REVIEWED PRIOR TO FABRICATION.

PROVIDE TEMPORARY ERECTION BRACING AND SHORING AS REQUIRED FOR STABILITY OF THE STRUCTURE DURING ALL PHASES OF CONSTRUCTION.





ALASKA VALDEZ, RETAINING COURT RESIDENTIAL DE CLIFFSII 555

WALL

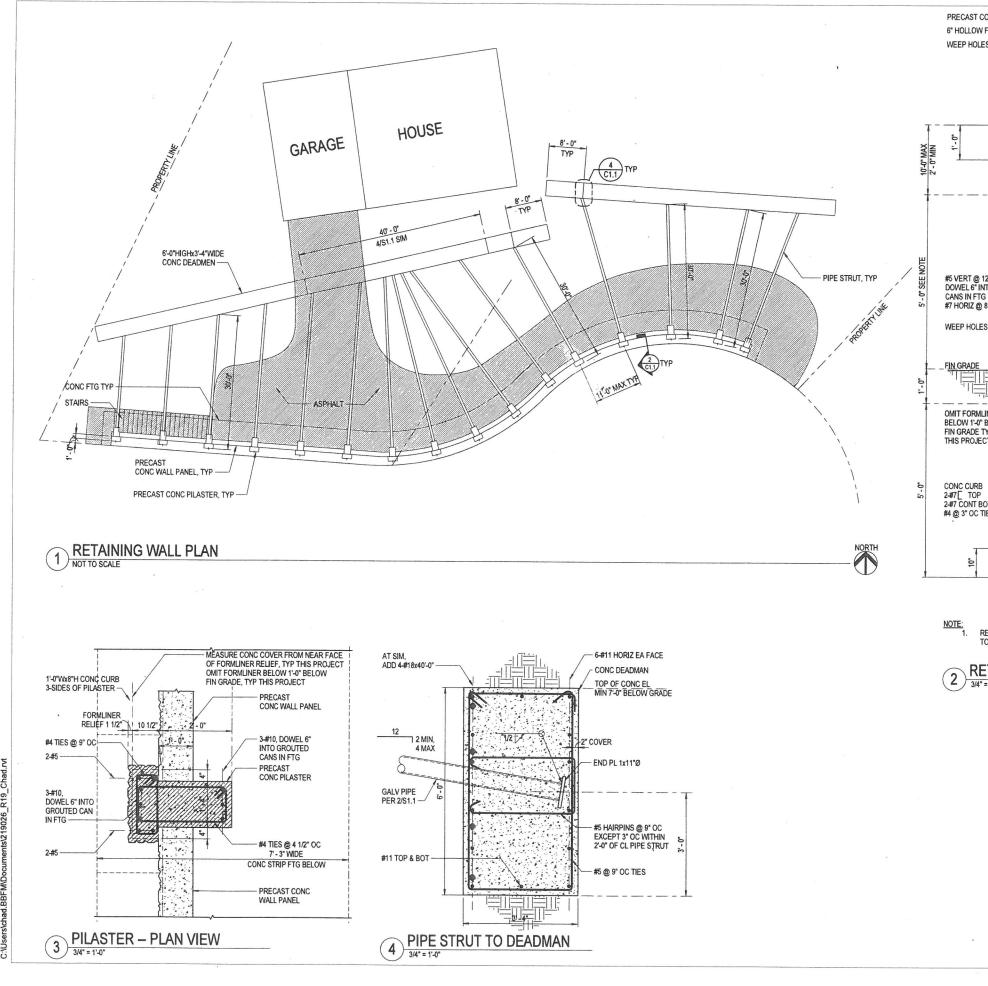
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Sheet Contents GENERAL NOTES

Drawing No.

C_{0.1}



PRECAST CONC WALL CAP PRECAST CONC PILASTER 3-#4 LONGIT #4 STIRUPS @ 6" OC 6" HOLLOW FOR PLANTER -WEEP HOLES -#4 DRILL-IN ADHESIVE ANCHOR @ 3'-0" OC ASPHALT OR STAIRS — 2-#9 HAIRPINS A706 PL1x8"Ø POORLY GRADED
GRAVEL FOR DRAINAGE 2 MIN, 4 MAX - GALV 6"Ø EXTRA STRONG PIPE TENSION STRUT 1/2 COAT W/ BITUMASTIC #5 VERT @ 12" OC DOWEL 6" INTO GROUTED CANS IN FTG —⟨CJP, UT #7 HORIZ @ 8" OC -#5 @ 12" OC EA WAY WEEP HOLES -PRECAST WALL PANEL 1 1/2"-OMIT FORMLINER
BELOW 1'-0" BELOW FIN GRADE TYP THIS PROJECT CONC CURB 2-#7 TOP 2-#7 CONT BOT #4 @ 3" OC TIES CONC STRIP FTG #8.@ 12" OC EW - OPTIONAL COLD JOINT ROUGHEN TO 1/4" AMPLITUDE REDUCE 5'-0" DIMENSION ONLY WHERE NECESSARY TO KEEP PIPE STRUT 2'-0" MIN BELOW ASPHALT OR STAIRS.

2 RETAINING WALL SECTION

CLASSI	B SPLICE SC	PLEDITE
CLASS	D SPLICE SU	PUEDOLE
	F'C = 3500 PSI	
BAR SIZE	CLASS B SPLICE	CLASS B SPLICE AT TOP BARS (NOTE 4)
#3	1'-4"	1'-4"
#4	1'-4"	1'-9"
#5	1'-9"	2'-3"
#6	2'-6"	3'-3"
#7	2'-11"	3'-9"
#8	3'-4"	4'-4"
#9	4'-3"	5'-6"
#10	5'-4"	6'-11"
#11	6'-7"	8'-7"

- NOTES:

 SPLICE LENGTHS SHOWN ARE FOR BARS MEETING THE FOLLOWING REQUIREMENTS.

 1. MIN CLEAR COVER = 1 1/2" EXCEPT 2" AT #7 AND LARGER BARS.

 2. MIN ON CENTER SPACING = 3" EXCEPT 5" AT #7 AND LARGER BARS.

 3. WHERE REINFORCING IS HORIZONTAL AND MORE THAN 12" OF FRESH CONCRETE

CLASS B SPLICE SCHDULE

3/4" = 1'-0"

RESIDENTIAL RETAINING WALL

ALASKA

VALDEZ

COURT

DE

CLIFFSII

555

Engineers Inc.
17,724228 FM.
Maggineers Inc.
17,74228 FM.
Minotration No. 0723

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Sheet Contents RETAINING WALL PLAN & DETAILS

Drawing No.

C1.1

12" PRECAST CONC SLAB - #5 @ 12" OC EW W/ HOOKS EA END EMBEDDED 6" W/ GROUT-FILLED CAN WALL PANEL PER 2/S1.1 WITH HAUNCH AND #7 @ 8" OC EW 135° HOOKS AT BOT OF VERTS TOC 4'-0" MAX BELOW FIN GRADE PRECAST TOW
IN PILASTER
IN PILASTER CONC HAUNCH 2#5 TOP, 3#7 BOT, #4 STIRRUPS @ 9" OC -TOP OF 4"x18" HAUNCH IN PRECAST CONC PILASTER OMIT FORMLINERS @ INTERFACE 10 1/2" 6" 1 1/2" RELIEF FROM FORMLINER, TYP - CONC PILASTER BEYOND PER 1/S1.2

2 SECTION @ GROTTO

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ALASKA RESIDENTIAL RETAINING WALL VALDEZ, COURT CLIFFSIDE 555

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Sheet Contents GROTTO DETAILS

Drawing No.

C1.2

1 PLAN @ GROTTO