Tlingit-Haida Regional Housing Authority Wrangell Duplex

Wrangell, AK

PARTICIPANTS

TLINGIT-HAIDA REGIONAL HOUSING AUTHORITY

5446 JENKINS DRIVE JUNEAU, AK 99801 907.780.6868

ARCHITECT / CIVIL ENGINEER:

7180 REVILLA ROAD, SUITE 300 KETCHIKAN, ALASKA 99901 907.225.7917

MECHANICAL ENGINEER:

SAM THORNTON MECHANICAL ENGINEERING KETCHIKAN, AK 99901 907.220.7849

CODE REVIEW

PROJECT LOCATION: Lot 1A, Wrangell, AK

IRC 2021 REVIEW

I. TYPE OF CONSTRUCTION (Chapter) SPRINKLED - No

II. USE & OCCUPANCY CLASSIFICATION (Chapter 3)

III. OCCUPANCY SEPARATIONS (Table 508.4) 1-Hour Separation Between Dwelling Units IV. BUILDING AREA (Table 503)
ALLOWED: UL SF/STORY, 3 STORIES

V. BUILDING HEIGHT (Table 50 PROPOSED: 16' - 5"

VI. OCCUPANT LOAD (Table 1004.1.2)

RESIDENTIAL 2417 GROSS SF / 200

ZONING REVIEW

CITY AND BOROUGH OF WRANGELL TITLE 20 REVIEW

LEGAL DESCRIPTION: LOT 1A

PARCEL NUMBER: 02-032-700

ZONING: SFR, SINGLE FAMILY RESIDENTIAL

LOT SIZE: 18825 SF COVERAGE: MAXIMUM: 50% PROPOSED: 12.8% BUILDING GROSS AREA: 2417 SF BUILDING HEIGHT: MAXIMUM: 25' - 0" PROPOSED: 16' - 5" SETBACKS: MINIMUM: FRONT 20': BACK 20': SIDEYARD 5'

PARKING: PROPOSED: 2+

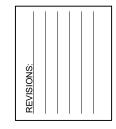
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ELECTRICAL ENGINEER

ANCHORAGE, AK 99518

6927 OLD SEWARD HWY, SUITE 200



Duplex Wrangell

PERMIT **DOCUMENTS**

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SHEET DESCRIPTION: Cover Sheet

G100

SHEET:

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ARCHITECTURAL ABBREVIATIONS

AB		ANCHOR BOLT	F/F		FACE TO FACE	MACH	MACHINE
ABV		ABOVE	F.F		FINISH FLOOR	MAN	MANUAL
ACOUS		ACOUSTICAL	FA		FIRE ALARM	MATL	MATERIAL
ACT		ACOUSTICAL CEILING TILE	FBD		FIBERBOARD	MAX	MAXIMUM
AD		AREA DRAIN TIONAL	FD FDC		FLOOR DRAIN	MC MECH	MEDICINE CABINET MECHANICAL
ADDL ADJ		ADJUSTABLE	FND		FIRE DEPARTMENT CONNECTION FOUNDATION	MEMB	MEMBRANE
AFF		ABOVE FINISHED FLOOR	FDV		FIRE DEPARTMENT VALVE	MET	METAL
AFG		ABOVE FINISHED GRADE	FE		FIRE EXTINGUISHER	MFR	MANUFACTURER
AFS		ABOVE FINISHED SLAB	FEB		FIRE EXTINGUISHER BRACKET	MH	MANHOLE
AL		ALUMINUM	FEC FHY		FIRE EXTINGUISHER CABINET FIRE HYDRANT	MIN	MINIMUM
ALT AP		ALTERNATE ACCESS PANEL	FIN		FINISH	MIR MISC	MIRROR MISCELLANEOUS
APPROX		APPROXIMATE(LY)	FIN GR		FINISH GRADE	MOD	MODULAR
ARCH		ARCHITECT(URAL)	FL		FLOOR(ING)	MTD	MOUNTED
ASPH		ASPHALT	FLASH		FLASHING	MTG	MOUNTING
AUTO		AUTOMATIC	FLEX FLR SK		FLEXIBLE FLOOR SINK	MULL	MULLION
BD		BOARD	FLUOR		FLUORESCENT	(N)	NEW
BKG		BACKING	FNR		FEMININE NAPKIN RECEPTACLE	N	NORTH
BLDG	BUILD		FNTD		FEMININE NAPKIN-TAMPON DISPENSER	NA	NOT APPLICABLE
BLKG	BLOC		FOC		FACE OF CONCRETE	NAT	NATURAL
BLW		BELOW	FOF FOM		FACE OF FINISH FACE OF MASONARY	NIC NO	NOT IN CONTRACT NUMBER
BOT BRKT		BOTTOM BRACKET	FOS		FACE OF STUD	NOM	NOMBER
BSMT		BASEMENT	FRPF		FIREPROOFING	NRC	NOISE REDUCTION COEFFICIENT
BTW		BETWEEN	FRZ		FREEZER	NTS	NOT TO SCALE
BURS		BUILT UP ROOFING SYSTEM	FSB		FOLDING SHOWER BENCH		
CAR		CARINET	FSTNR FT		FASTENER FOOT, FEET	OA OC	OVERALL ON CENTER
CAB CB		CABINET CATCH BASIN	FTG		FOOTING	OD OD	OUTSIDE DIAMETER
CCTV		CLOSED CIRCUIT TELEVISION	FURN		FURNITURE	OFCI	OWNER FURNISHED-CONTRACTOR INSTALLED
CG		CORNER GUARD	FURR		FURRING	OFOI	OWNER FURNISHED-OWNER INSTALLED
CEM		CEMENT	FUS		FOLDING UTILITY SEAT	OH	OPPOSITE HAND
CER		CERAMIC	FUT		FUTURE	OPNG OPP	OPENING OPPOSITE
CER TILE CL		CERAMIC TILE CENTERLINE	FXTR		FIXTURE	OVHD	OPPOSITE OVERHEAD
CLG		CEILING	GA		GAUGE	OVIID	OVERVIEAD
CLJ		CONTROL JOINT	GALV	GALV	'ANIZED	PBD	PARTICLE BOARD
CLR		CLEAR	GB		GRAB BAR	PCF	POUNDS PER CUBIC FOOT
CMU		CONCRETE MASONRY UNIT	GC		GENERAL CONTRACTOR	PERF	PERFORATED
CNTR		COUNTER	GL GL BLK		GLASS GLASS BLOCK	PERIM PERM	PERIMETER PERMANENT
CO CONC	CONC	CASED OPENING CRETE	GLULAM		GLUE LAMINATED	PERP	PERPENDICULAR
CONF	00/10	CONFERENCE	GLZ		GLAZING	PH .	PANIC HARDWARE
CONN	CONN	NECTION	GND		GROUND	PL	PROPERTY LINE
CONSTR		CONSTRUCTION	GR		GRADE, GRADING	PLAM	PLASTIC LAMINATE
CONT	0000	CONTINUOUS	GRV		GRAVEL	PLAT	PLATFORM
CORR CRPT	CORR	RIDOR CARPET	GYP BD		GYPSUM BOARD	PLBG PLF	PLUMBING POUNDS PER LINEAL FOOT
CSWK		CASEWORK	Н		HIGH	PLYWD	PLYWOOD
CT		CARPET TILE	HB		HOSE BIB	PNL	PANEL
CUST		CUSTOM	HC		HOLLOW CORE	PREFAB	PREFABRICATED
CW		COLD WATER	HCP		HANDICAPPED	PRKG	PARKING
0.07		DOUBLE.	HD HDBD	шлрг	HEAD DBOARD	PROJ PROP	PROJECT PROPERTY
DBL DEMO		DOUBLE DEMOLISH	HDWE	HAKL	HARDWARE	PSF	POUNDS PER SQUARE FOOT
DET		DETAIL	HM		HOLLOW METAL	PSI	POUNDS PER SQUARE INCH
DF		DRINKING FOUNTAIN	HNDRL		HANDRAIL	PT	POINT
DIA		DIAMETER	HR		HOUR	PTD	PAPER TOWEL DISPENSER
DIAG		DIAGONAL	HT HVAC		HEIGHT	PTD/R PTR	PAPER TOWEL DISPENSER W/ RECEPTACLE PAPER TOWEL RECEPTACLE
DIFF DIM		DIFFUSER DIMENSION	HVAC		HEATING, VENTILATION, AIR CONDITIONING, & COOLING	PVMT	PAVEMENT
DIM PT		DIMENSION POINT	HW		HOT WATER	PWR	POWER
DISP		DISPENSER					
DIST		DISTANCE	ID		INSIDE DIAMETER	QT	QUARRY TILE
DLV	54445	DOOR LOUVER	INCAND		INCANDESCENT	QTR	QUARTER
DMPF DN	DAMP	PROOFING DOWN	INCL INFO		INCLUDING INFORMATION	QTY	QUANTITY
DR DR		DRAIN	INSUL		INSULATION	R	RISER
DS		DOWNSPOUT	INT		INTERIOR	RA	RETURN AIR
DT		DRAIN TILE				RAD	RADIUS
DWG		DRAWING	JAN		JANITOR	RCP RD	REFLECTED CEILING PLAN ROOF DRAIN
DWGS DWR		DRAWINGS DRAWER	JB JT		JUNCTION BOX JOINT	REF	ROOF DRAIN REFRIGERATOR
DWIN		DIAWEN	07		001111	REINF	REINFORCED
(E)		EXISTING	KIT		KITCHEN	REQD	REQUIRED
(E) E		EAST	KPL		KICK PLATE	RESIL	RESILIENT
EA		EACH	KS		KNEE SPACE	RET	RETURN
ECAB EG		ELECTRICAL CABINET EDGE GUARD	LAB		LABORATORY	REV RH	REVISION RIGHT HAND
EIFS		EXTERIOR INSULATION FINISH SYSTEM	LAM		LAMINATE	RM	ROOM
EL		ELEVATION	LAV		LAVATORY	RO	ROUGH OPENING
ELEC		ELECTRICAL	LB		POUND	ROW	RIGHT OF WAY
ELEV		ELEVATION	LF LC		LINEAR FOOT	6	COUTU
EMER ENCL		EMERGENCY ENCLOSURE	LG LH		LENGTH LEFT HAND	S SA	SOUTH SUPPLY AIR
ENGL ENGR	ENGI	ENCLOSURE NEFR	LH LIN		LINEAR	SA SASU	SUPPLY AIR SELF-ADHERING SHEET UNDERLAYMENT
ENGR EO	LIVGII	ELECTRICAL OUTLET	LKR		LOCKER	SB	SPLASH BLOCK
EQL SP		EQUALLY SPACED	LT		LIGHT	SC	SOLID CORE
EQUIP		EQUIPMENT	LTWT		LIGHT WEIGHT	SCD	SEAT COVER DISPENSER
EQUIV		EQUIVALENT	LTG		LIGHTING	SCHED	SCHEDULED SHOWER CURTAIN ROD
EXP EXPO		EXPANSION EXPOSED				SCR SD	SHOWER CURTAIN ROD SOAP DISPENSER
EXIST		EXISTING				SECT	SECTION
EXT		EXTERIOR				SEP	SEPARATION
						SF	SQUARE FOOT

DRAWING SYMBOLS

SUSP CLG SERV SYM

T T&B T&G TB TEL TEMP THERM

THERM THK THRES THRU TOL TYP

UC UNFIN

UON UR UTIL

VAC VB VCT VERT VEST VF VNR

VOL VWC

W

W/ W/O

W/W WC WD

WDW WF

WHCH

WO WR

WSCT WT

WWF

XFMR

SHOWER SHEET(ING) SHELVES, SHELVING

SIMILAR

STREET STAGGERED STANDARD

STEEL STORAGE STRUCTURAL

SYMBOL

TREAD TOP & BOTTOM TONGUE & GROOVE TOWEL BAR

TEMPORARY

TOLERANCE TYPICAL

URINAL

UTILITY

VACUUM VINYL BASE

VERTICAL

WEST

WITH

WITHOUT WALL TO WALL WATER CLOSET

WOOD

TRANSFORMER

WINDOW WIDE FLANGE WHEEL CHAIR WHERE OCCURS WATER RESISTANT

VESTIBULE VERIFY IN FIELD VENEER

UNDER COUNTER UNFINISHED

UNLESS OTHERWISE NOTED

VINYL COMPOSITION TILE

VINYL WALL COVERING

WAINSCOTING WEIGHT WATERPROOFING

WELDED WIRE FABRIC

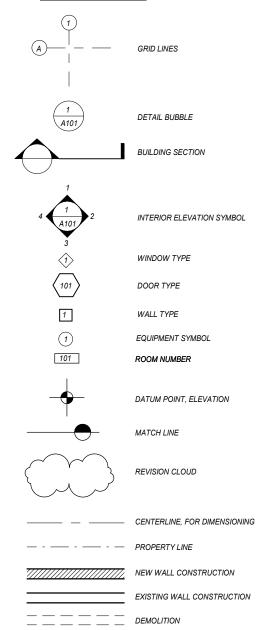
THICK, THICKNESS THRESHOLD THROUGH

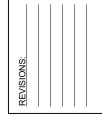
THERMAL

SIMILAR SINK SPACE, SPACING SPECIFICATION SPRINKLER SPEAKER SQUARE

SQUARE INCH STAINLESS STEEL

SUSPENDED CEILING SERVICE





Duplex Wrangell

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R&M ENGINEERING-KETCHIKAN, IN 7180 REVILLA ROAD, SUITE 300 KETCHIKAN, ALASKA 99901 PH: 907.225.7917 www.ketchikanengineer.com n



SHEET DESCRIPTION: Abbreviations & Symbols

G101

SHEET:

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GENERAL NOTES

- 1) SEE TABLE 1 FOR SURVEY BASIS AND CONTROL.
- 2) EXISTING UNDERGROUND ELECTRICAL LINES SHOWN ON THESE PLANS WERE DEVELOPED BY AN ONSITE MEETING WITH R&M AND THE CITY AND BOROUGH OF WRANGELL. NO LOCATES WERE PERFORMED DUE TO THE LACK OF EQUIPMENT AND CONCESTION OF UTILITIES ON THE SITE. LINES SHOWN ARE SYMBOLIC ONLY AND REPRESENT ASSUMED LOCATIONS BASED ON THE BEST AVAILABLE DATA. THE CONTRACTOR SHALL VERIFY EXISTING WATERLINE LOCATIONS IN THE FIELD.
- 3) EXISTING WATER LINES SHOWN ON THESE PLANS WERE LOCATED BY THE CITY AND BOROUGH OF WRANGELL OR BASED ON ASBUILTS AND/OR LOCAL KNOWLEDGE. DUE TO THE CONGESTION OF UTILITIES IN SOME AREAS, THE LINES SHOWN ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL VERIFY EXISTING WATERLINE LOCATIONS IN THE FIELD.
- 4) THE PROFILES SHOWN IN THESE PLANS HAVE A VERTICAL EXAGGERATION OF 2.0
- 5) THE CONTRACTOR SHALL INSTALL THE NEW WATER LINE ACCORDING TO THE COORDINATES AND DIMENSIONS GIVEN ON THE PLAN SHEETS. GENERALLY,
- 6) THE CONTRACTOR SHALL SAW—CUT CONCRETE AS NEEDED FOR SEWER MAIN INSTALLATION. SAW—CUT SHALL NOT EXCEED 10' IN WIDTH. LOCATIONS OF NEW MANHOLE CENTER ARE APPROXIMATE ONLY. FIELD ADJUSTMENTS +/-1' ALONG THE PROPOSED ALIGNMENT IS PERMISSIBLE.
- 11) THE CITY OF WRANGELL WILL PROVIDE A FUSION MACHINE AND ELECTRO FUSION MACHINE. FUSION MACHINE IS A MACELROY MODEL 412. THE ELECTROFUSION MACHINE IS AN IPEX GENESIS F3, MODEL 10EF-328-0001.
- 12) TESE PLANS MEET THE LEAD-FREE REQUIREMENTS OF THE SAFE DRINKING WATER ACT, SECTION 1417, 18 AAC 80.205(b)(7), 18 AAC 80.500 INCLUDING NOT CONTAINING MORE THAT 0.2% LEAD WHEN USED WITH RESPECT TO SOLDER AND FLUX AND B) NOT HAVING MORE THAT A WEIGHTED AVERAGE OF 0.25 PERCENT LEAD WHEN USED WITH RESPECT TO WETTED SURFACES OF PIPES, PIPE FITTING, PLUMBING FITTING, AND FIXTURES.

TABLE 1.

SURVEY CONTROL POINTS					
Point #	Northing	Easting			
1	1693609.41	2941777.29			
2	1693172.11	2941826.99			
3	1693967.62	2941715.36			
4	1693679.18	2942235.50			
5	1693656.57	2942013.41			
6	1693817.25	2941984.67			
7	1688896.53	2939254.39			
8	1695862.61	2938157.98			
9	1699348.05	2938452.98			
10	1693586.13	2942249.21			
11	1693563.52	2942027.12			
12	1692913.95	2941856.28			
13	1693724.20	2941998.38			
14	1688803.48	2939268.09			
15	1695769.56	2938171.69			
16	1699254.99	2938466.69			
17	1692820.90	2941869.99			
18	1693516.35	2941791.00			
19	1693079.06	2941840.69			
20	1693874.57	2941729.06			

SURVEY CONTROL POINTS					
Point #	Northing	Easting			
500	1693982.90	2941764.86			
501	1693632.86	2941804.76			
502	1693593.00	2941809.19			
503	1693679.10	2942212.32			
504	1693661.37	2942234.17			
505	1693568.32	2942247.88			
506	1693889.84	2941778.57			
507	1693539.81	2941818.47			
508	1693499.95	2941822.89			
509	1693586.05	2942226.03			
600	1693919.16	2941780.01			
601	1694011.31	2941785.03			
602	1693923.66	2941854.88			
603	1693926.42	2941900.51			
604	1693826.11	2941793.72			
605	1693918.25	2941798.73			
606	1693830.61	2941868.58			
607	1693833.36	2941914.22			

LEGEND

FEATURE DESCRIPTION	EXISTING	PROPOSED	FEATURE DESCRIPTION	EXISTING	PROPOSED
PROPERTY LINE			UTILITY POLE	CHEL DAY	
PROPERTY LINE (INFORMATIONAL)		N/A	GUY ANCHOR	——))
CENTERLINE			CONTROL POINT (AS NOTED)		N/A
CONCRETE	44.	AS NOTED	FOUND MONUMENT (AS NOTED)	•	N/A
ASPHALT		AS NOTED	STORM DRAIN MANHOLE	6D3	D
			STORM CATCH BASIN		
BUILDING LINE		AS NOTED	SANITARY SEWER MANHOLE	S	(S),
BUILDING OVERHANG		AS NOTED	SANITARY SEWER CLEANOUT	©	\bigcirc
EDGE OF ASPHALT/CONCRETE		(PATCH)	BOLLARD/POST (TYPE AS NOTED)	⊘ W∨	N/A
EDGE OF GRAVEL		N/A	WATER VALVE	\bowtie	\otimes
TOP/TOE/DITCH (GENERAL)		N/A	FIRE HYDRANT	Ar 1	A.c.
OVERHEAD UTILITY LINE	XDH XDH	——Е——Е——Е——	LIGHT POLE	$\diamondsuit \bigcirc$	N/A
UNDERGROUND UTILITY LINE	UGP UGP UGP	N/A	ELECTRICAL METER	\bowtie^{EM}	N/A
STORM DRAIN	——————————————————————————————————————	N/A	SIGN	R	N/A
SEWER LINE	x2s x2s		TEST PIT	TP	N/A
SEWER LINE (RECORD)	SS(R) SS(R)	N/A		•	
WATER LINE	xwxwxw	vvv			
WATER SERVICE	N/A	— W SERV — W SERV — W SERV —			
WATER LINE (RECORD)	——————————————————————————————————————	N/A			
FENCE	xxxx	<u> </u>			
GUARD RAIL	, , , , , , , , , , , , , , , , , , , 	N/A			

N/A

N/A

NOTE: LINE WEIGHTS VARY BETWEEN SHEETS

MAJOR CONTOUR

MINOR CONTOUR



THRHA WRANGELL DUPLEX

STATUS:

Construction Documents

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PROJECT #:222301.03

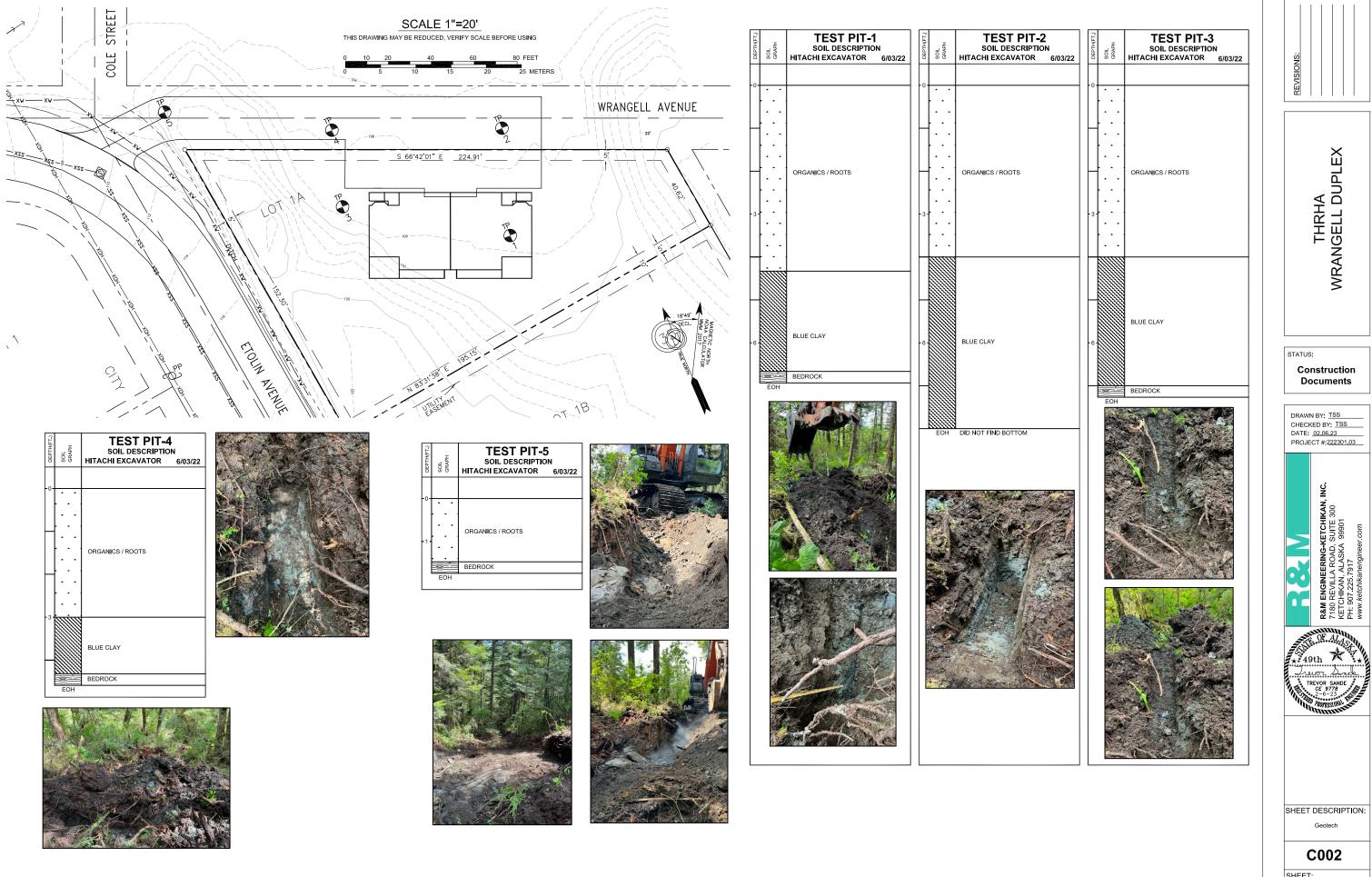




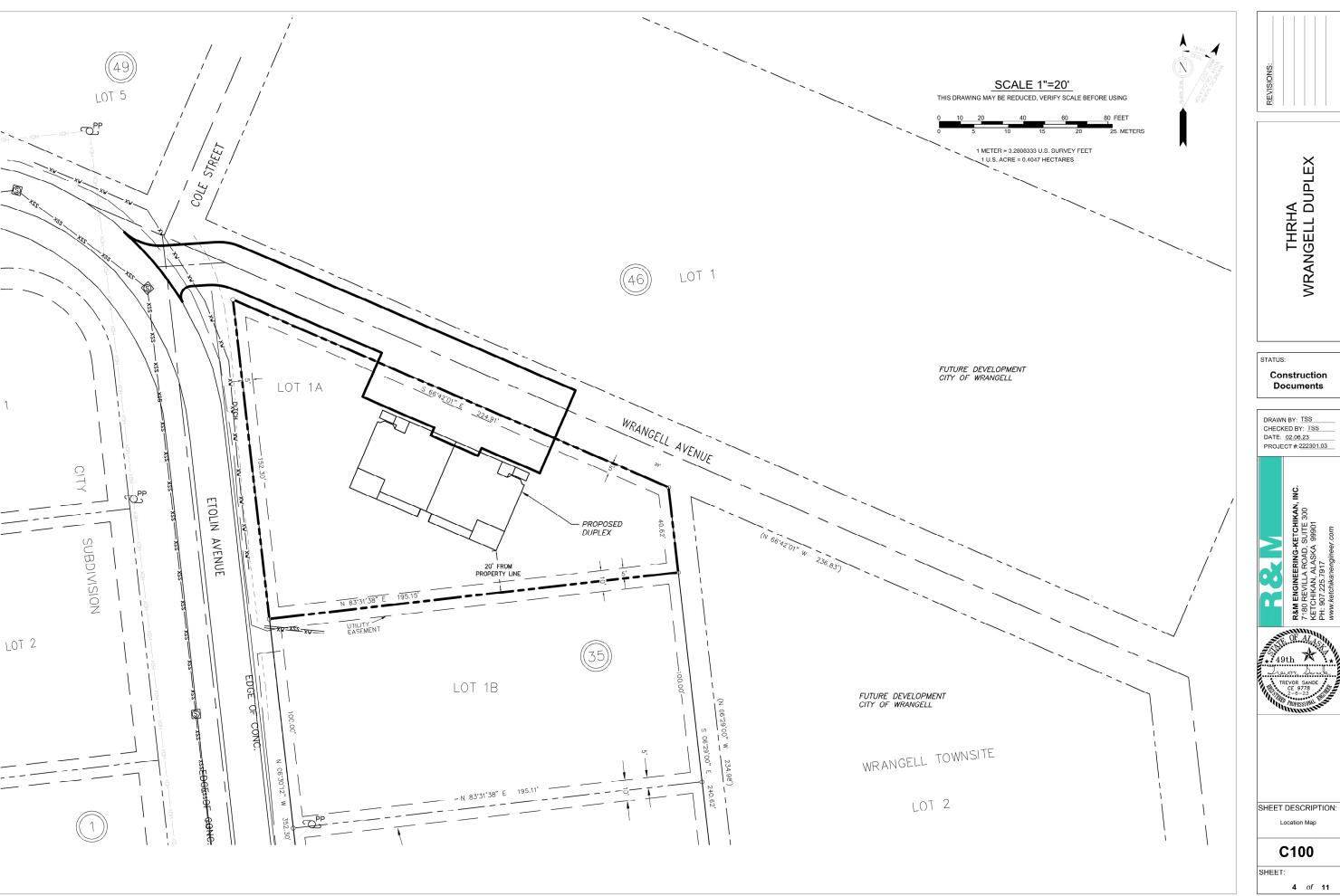
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C001

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SHEET:



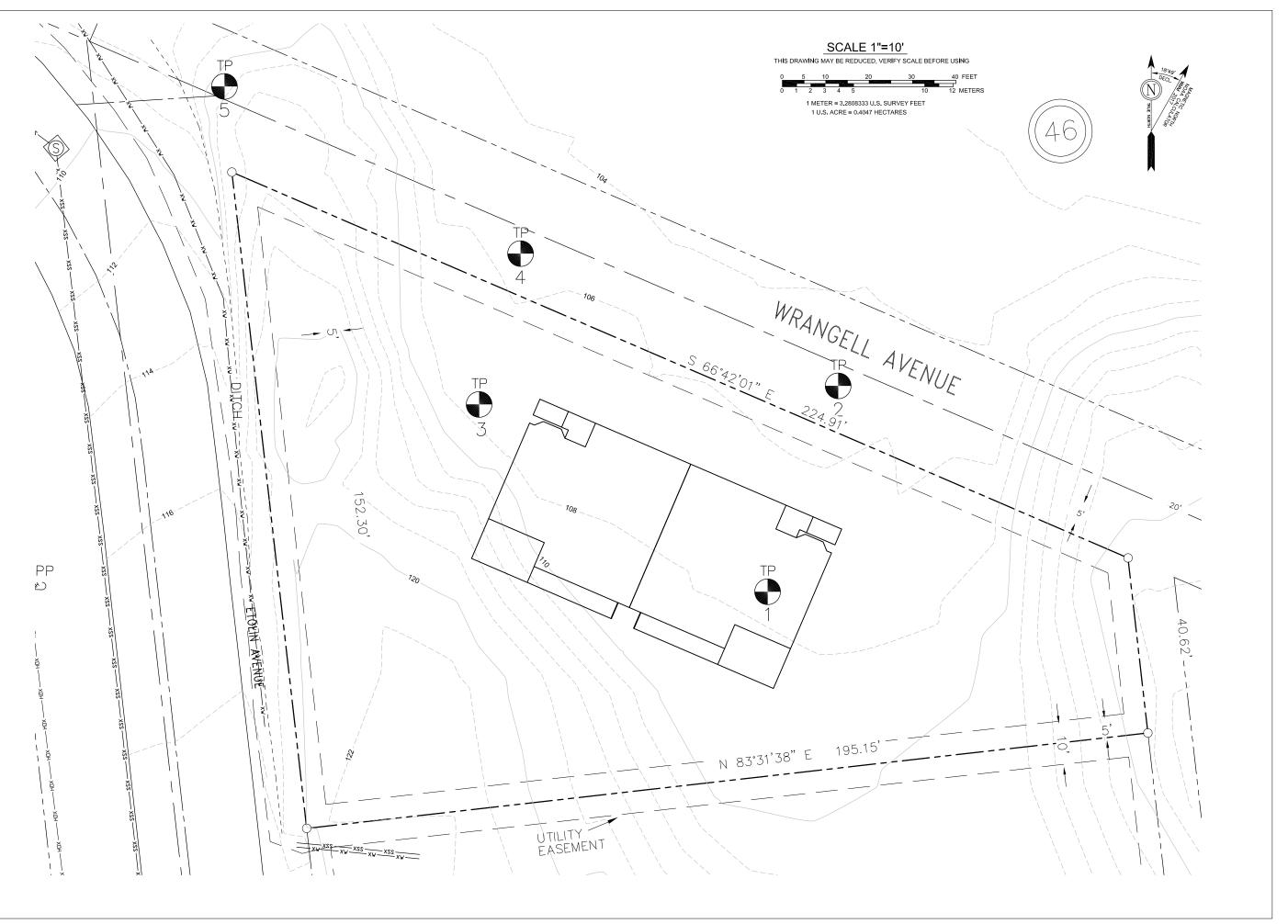


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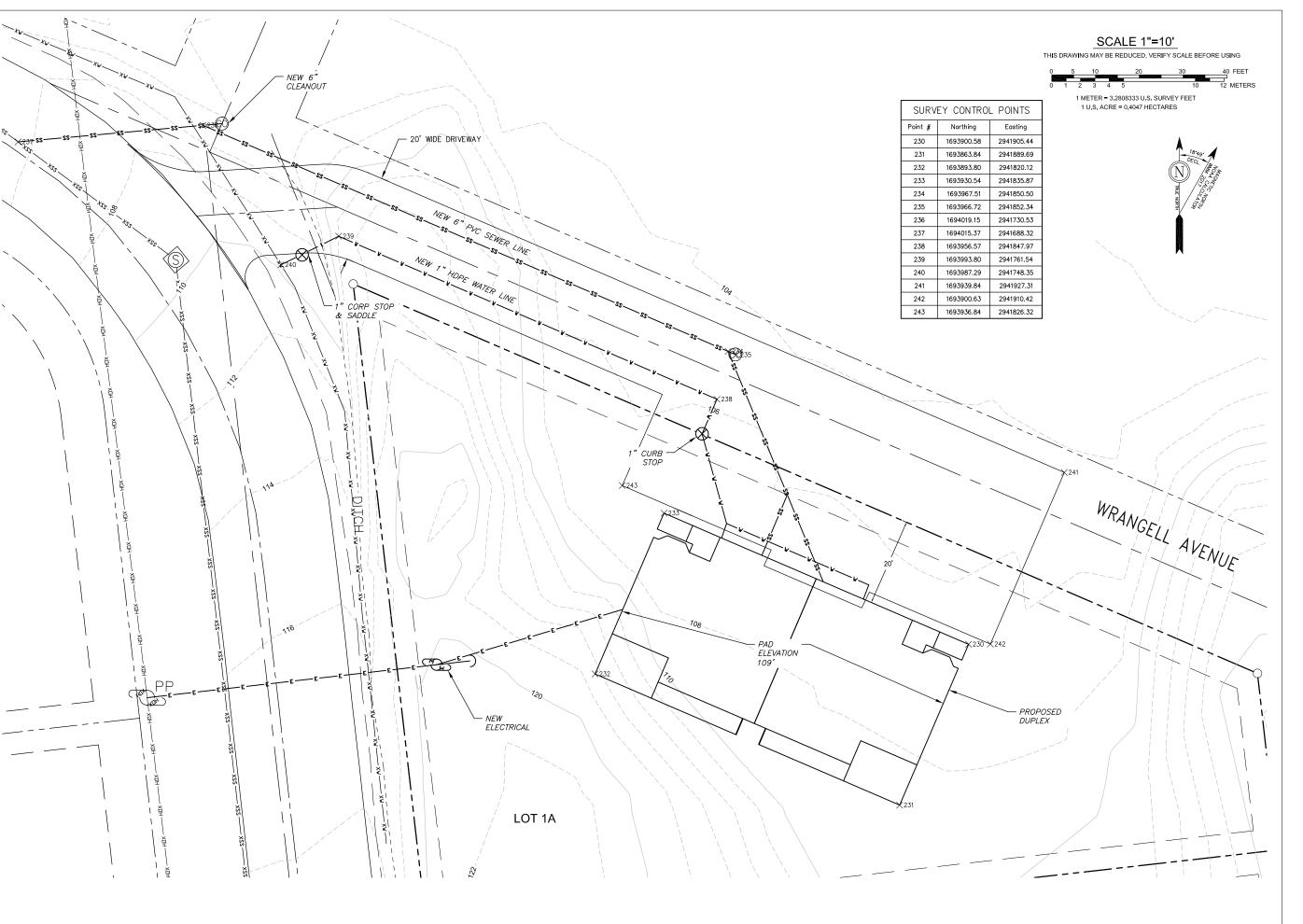


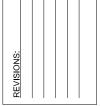


SHEET DESCRIPTION: Existing Conditions

C101

SHEET:





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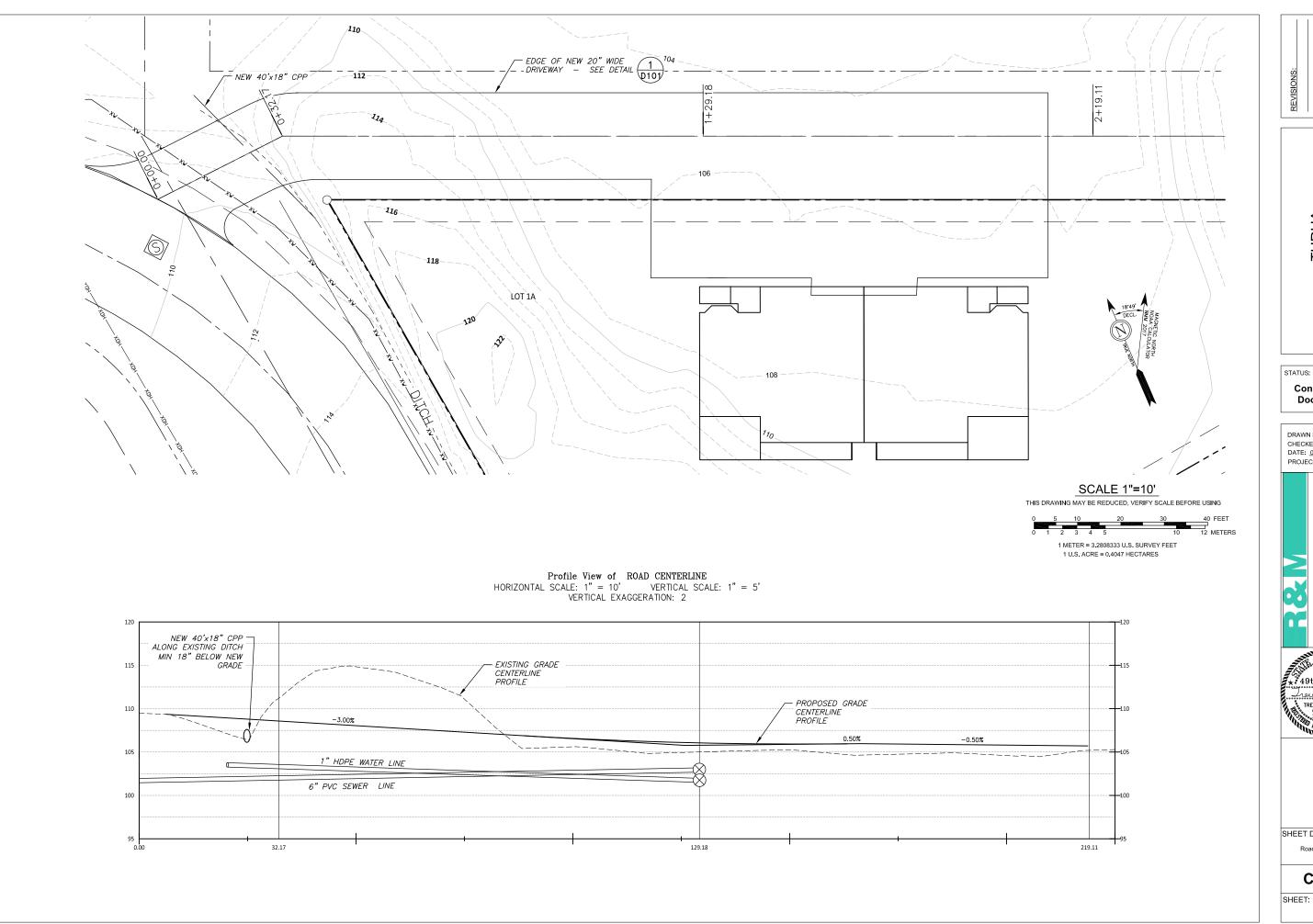


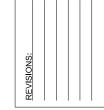


SHEET DESCRIPTION:
Site Plan

C102

SHEET:





STATUS:

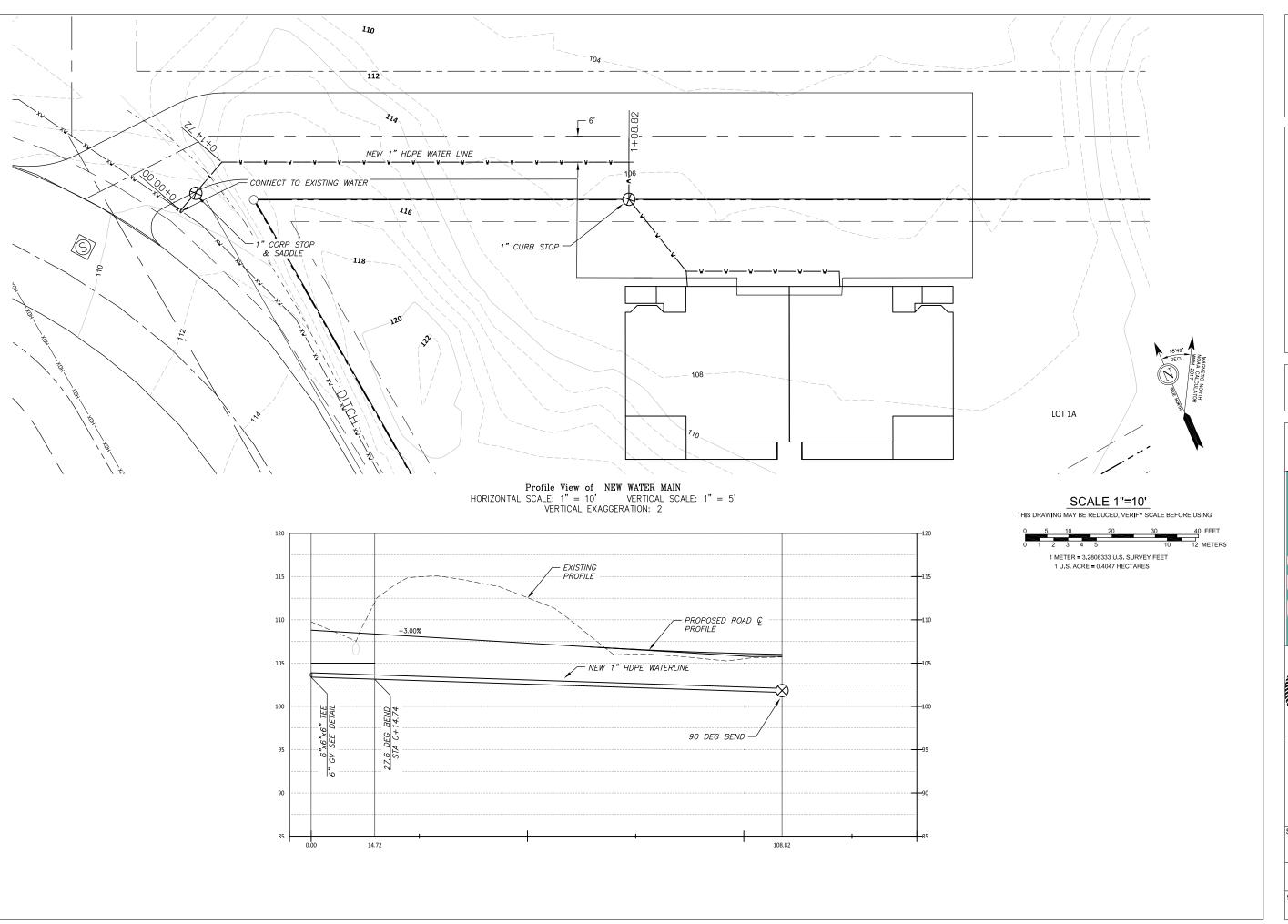
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SHEET DESCRIPTION:

C200





STATUS:

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BOREVILLA ROAD, SUITE 300
ETCHIKAN, ALASKA 99901
H. 907.225.7917

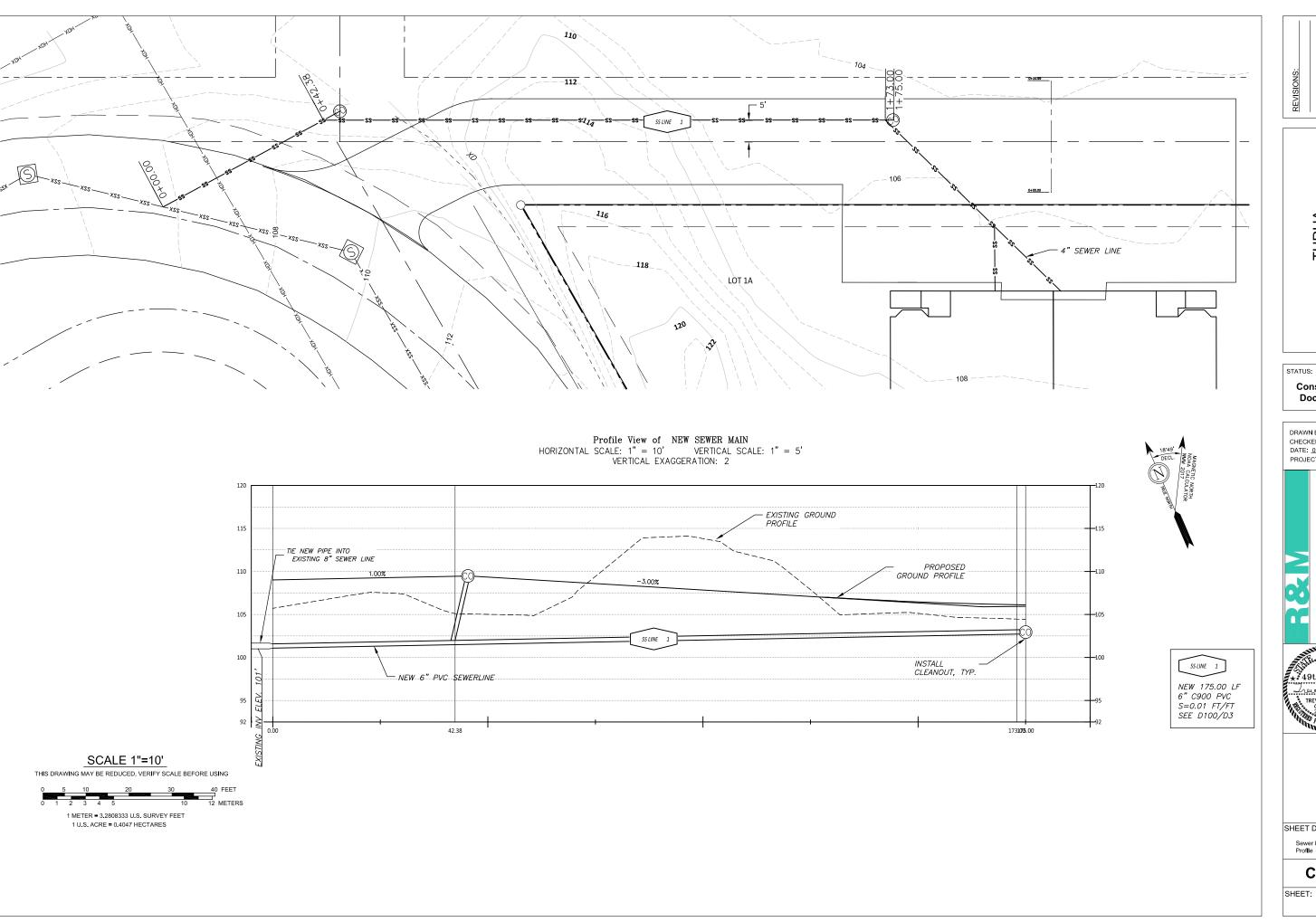


SHEET DESCRIPTION:

Water Line Plan &
Profile

C201

SHEET:

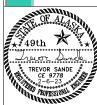




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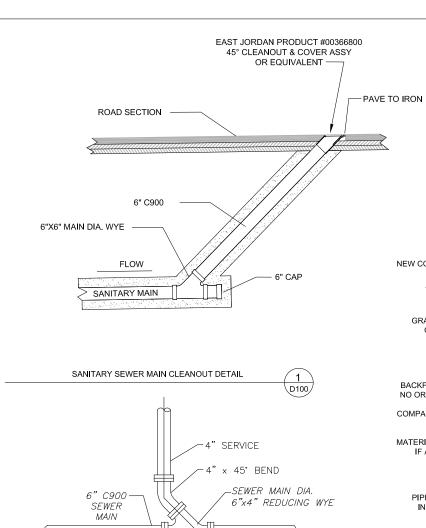
Construction Documents

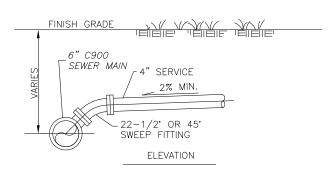
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SHEET DESCRIPTION: Sewer Line Plan & Profile

C202





PLAN

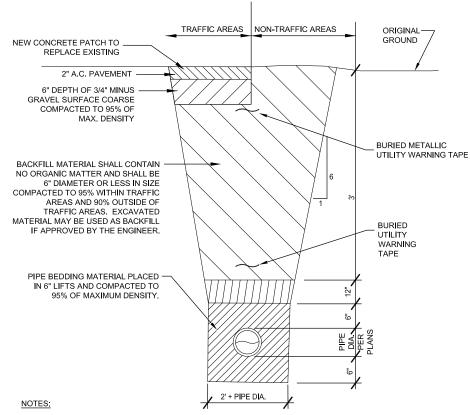
SEWER SERVICE CONNECTION NOTES:

- 1. SERVICE CONNECT SHALL BE 6" MINIMUM DIAMETER.
- 2. SEWER SERVICE PIPING SHALL BE C900 PVC.
- 3. DISTANCE FROM WYE TO MANHOLE, AND THREE MEASURED DISTANCES FROM END OF SERVICE PIPE TO PERMANENT OBJECTS, SHALL BE NOTED ON AS-BUILT PLANS.

SEWER SERVICE CONNECTION DETAIL FOR FUTURE DEVELOPMENT

D100

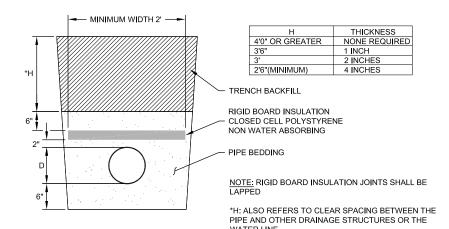
NOT TO SCALE



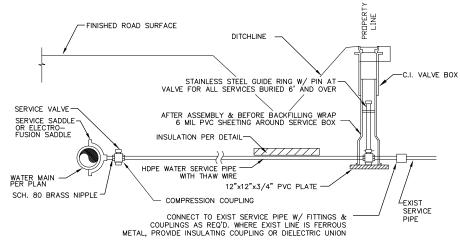
- 1. BACKFILL MATERIAL SHALL BE PLACED IN 12" MAXIMUM LIFTS.
- 2. TRENCH EXCAVATION AND SHORING SHALL COMPLY WITH LOCAL, STATE, AND OSHA REGULATIONS AND REQUIREMENTS
- 3. INDICATED SLOPE IS FOR PAY QUANTITY DETERMINATION ONLY FOR IMPORTED BACKFILL GRAVEL AND RESURFACING REQUIREMENTS.
- IF UNSUITABLE PIPE FOUNDATION MATERIAL IS ENCOUNTERED DURING EXCAVATION, ENGINEER MAY DIRECT THE CONTRACTOR TO OVER-EXCAVATE AND BACKFILL WITH SUITABLE MATERIAL.
- 5. THE DITCH LINE, IF ONE EXISTS, SHALL BE RESHAPED IN SUCH A MANNER TO ALLOW POSITIVE DRAINAGE TO MATCH PRE-CONSTRUCTION CONDITIONS.

TYPICAL TRENCH DETAIL

NOT TO SCALE



4 PIPE INSULATION REQUIREMENTS NOT TO SCALE



NOTES:

- INSTALL TOP OF VALVE BOX IN SHOULDER
 OF DRIVEWAY OUT OF TRAFFIC AREAS
- 2. ALLOW 12" FOR RAISING VALVE BOX.
- 3.. VALVE COVER SHALL BE MARKED "WATER"
- 4. ENLARGED BASE IS REQUIRED FOR 1" SERVICE VALVES AND LARGER.
- 5. WHERE THERE IS NO EXIST. SERVICE, TERMINATE COPPER TUBING W/ COPPER TUBE x FEMALE IPT COUPLING & BRASS PLUG.
- 6. 4" RIGID FOAM INSULATION UNDER DITCHLINE

5 TYPICAL BURIED WATER SERVICE - 2" AND SMALLER



THRHA WRANGELL DUPLEX

STATUS:

Construction Documents

DRAWN BY: TSS CHECKED BY: TSS DATE: 02.06.23 PROJECT # 222301.03

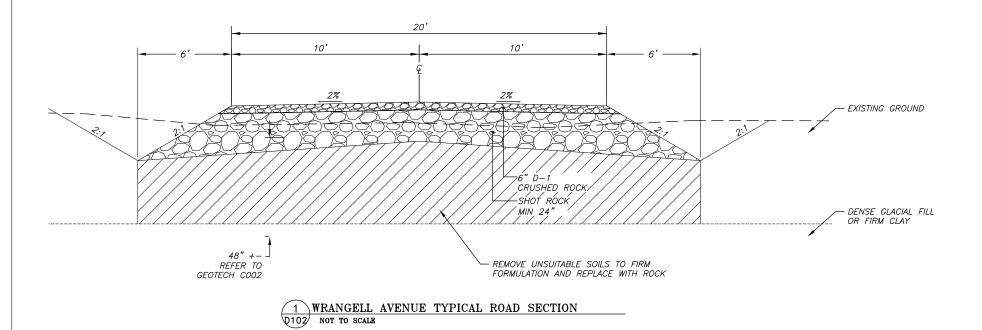




SHEET DESCRIPTION: Details

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SHEET:



REVISIONS:

THRHA WRANGELL DUPLEX

STATUS:

Construction Documents

DRAWN BY: TSS
CHECKED BY: TSS
DATE: 02.06.23
PROJECT #:222301.03

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SHEET DESCRIPTION:

Details

D101

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