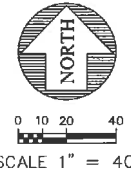


SKI ACRES ESTATES LOTS 6-11

SW 1/4 OF SE 1/4 OF SECTION 9, T. 22 N., R. 11 E., W.M.
KITITAS COUNTY, STATE OF WASHINGTON



ARCHAEOLOGICAL NOTE:

IN THE EVENT THAT HUMAN REMAINS AND/OR CULTURAL MATERIALS ARE FOUND, ALL PROJECT-RELATED CONSTRUCTION SHALL CEASE WITHIN A 100-FOOT RADIUS. THE CONTRACTOR SHALL PURSUANT TO SECTION 700.5 OF THE HEALTH AND SAFETY CODE, AND SECTION 4997.94 OF THE PUBLIC RESOURCES CODE OF THE STATE OF CALIFORNIA, NOTIFY THE UNIVERSITY REPRESENTATIVE IMMEDIATELY.

STANDARD GRADING NOTES:

- ALL GRADING ACTIVITIES, INCLUDING EXCAVATION, BACKFILL AND COMPACTION, SHALL BE DONE IN ACCORDANCE WITH THE GEOTECHNICAL SITE INVESTIGATION REPORT PREPARED FOR THIS PROJECT.
- ALL EXCESS SOIL SHALL BE OFF-HAULED TO A LEGAL DISPOSAL SITE. NO EXCESS SOIL SHALL BE SPREAD ON THE SITE WITHOUT CLEARLY BEING SHOWN ON THE APPROVED GRADING PLAN, OR AS APPROVED BY THE OWNER.
- ALL CUT AND FILL SLOPES SHALL BE STABILIZED AND MAINTAINED UNTIL EFFECTIVE EROSION CONTROL HAS BEEN ESTABLISHED TO THE SATISFACTION OF THE PROJECT ENGINEER.

CONTRACTOR RESPONSIBILITY:

CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS, INCLUDING THE SAFETY OF ALL PERSONS AND PROPERTY DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, AND THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. 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.

DISCREPANCIES:

IF THERE ARE ANY DISCREPANCIES BETWEEN DIMENSIONS IN DRAWINGS AND EXISTING CONDITIONS WHICH WILL AFFECT THE WORK, THE CONTRACTOR SHALL BRING SUCH DISCREPANCIES TO THE ATTENTION OF THE ENGINEER FOR ADJUSTMENT BEFORE PROCEEDING WITH THE WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER FITTING OF ALL WORK AND FOR THE COORDINATION OF ALL TRADES, SUBCONTRACTORS, AND PERSONS ENGAGED UPON THIS CONTRACT.

LEGAL DESCRIPTION:

TRACT E, VILLAGE AT THE SUMMIT DIVISION 1, ACCORDING TO THE PLAT THEREOF RECORDED IN VOLUME B, PAGES 28-30, RECORDS OF KITITAS COUNTY, WASHINGTON.

PARCEL NUMBER: 142436
MAP NUMBER: 22-11-04052-0101
ACREAGE: 5.31 ASSESSOR'S RECORDS,
4.89 SURVEY
WATER SOURCE: SNOQUALMIE PUBLIC UTILITY DIST.
SEWER SOURCE: SNOQUALMIE PUBLIC UTILITY DIST.
ZONE: PLANNED UNIT DEVELOPMENT
LAND USE: RURAL

BOUNDARY AND TOPOGRAPHY SURVEY BY GROUP 4, PROJECT NO. 07-4048. BOUNDARY AND TOPOGRAPHIC INFORMATION SHOWN IS FOR REFERENCE ONLY, AND HAS NOT BEEN VERIFIED IN THE FIELD.

BASIS OF BEARINGS: SNOQUALMIE SUMMIT INN SHORT PLAT, PER RECORD OF SURVEY RECORDED IN VOL. 16, PAGES 11-13, RECORDS OF KITITAS COUNTY, WASHINGTON.

DATUM: NAVD 88
BENCH: WASHINGTON DEPARTMENT OF TRANSPORTATION CONTROL POINT NO. 5161, BRASS DISC IN ROUND CONCRETE MONUMENT IN CASE SET LEVEL W/OTH GROUND SURFACE. ELEVATION=2986.85'

SITE BENCH: TM 1: YELLOW CAPPED REBAR AT SW CORNER TRACT E, AS SHOWN ON MAP. ELEVATION=3008.12
TM 2: YELLOW CAPPED REBAR AT ANGLE POINT CORNER PARCEL B AS SHOWN ON MAP. ELEVATION=3021.12

PROPERTY INFORMATION:

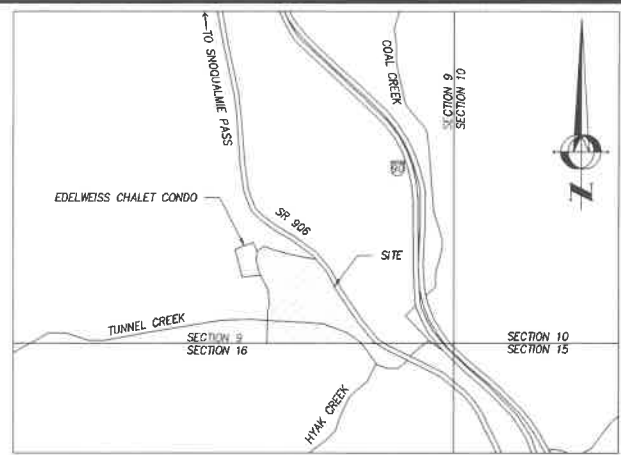
PARCEL NUMBERS: 368135, 378135, 388135, 398135, 408135, 418135
PROJECT SIZE: 57,630 SF (1.32 ACRES)
PROJECT ADDRESS: TBD
ZONING: LAMIRD'S TYPE 1
WATER/SEWER: SNOQUALMIE PASS UTILITY DISTRICT

PROJECT TEAM:

APPLICANT/OWNER: IAN LOVELESS
SNOPASS SF LOFTS LLC
491 N. 36TH STREET, SUITE 201
SEATTLE, WA 98101
(425) 404-1811

ENGINEER: COSTA PHILIPIDES, PE
ENCOMPASS ENGINEERING & SURVEYING
165 NE JUNIPER STREET, SUITE 201
ISSAQUAH, WA 98027
(425) 392-0250

GEOTECHNICAL ENGINEER: SHANE MARKUS
ICICLE CREEK ENGINEERS, INC.
29335 NE 20TH STREET
CARBINATION, WA 98014
(425) 333-0093



VICINITY MAP
NTS

LEGEND:

	EXISTING:	PROPOSED:
BOUNDARY LINE	---	---
BUILDING SETBACK LINE	---	---
LOT LINE	---	---
CENTERLINE	---	---
EDGE OF PAVEMENT LINE	---	---
CONTOUR LINE (MAJOR)	---	2800
CONTOUR LINE (MINOR)	---	2801
CATCH BASIN (TYPE 1)	□	■
STORM DRAIN MANHOLE/CATCH BASIN TYPE 2	○	●
STORM DRAIN LINE	---	---
SANITARY SEWER MANHOLE	○	●
SANITARY SEWER LINE	---	---
SANITARY SEWER SERVICE	---	---
SEWER FORCE MAIN	---	FM
WATERMAIN LINE	---	---
WATER SERVICE LINE	---	---
GATE VALVE	⊠	⊠
WATER METER	⊠	⊠
FIRE HYDRANT	⊠	⊠
CAP	⊠	⊠
GRINDER PUMP COLLECTION BOX	⊠	⊠
AC PAVEMENT HATCH	▨	▨
CONCRETE HATCH	▨	▨

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Kittitas County CDS

SHEET INDEX:

TITLE	SHEET
COVER SHEET	1
TEMPORARY EROSION CONTROL PLAN	2
TESC NOTES AND DETAILS	3
GRADING PLAN	4
UTILITY PLAN	5
CONSTRUCTION DETAILS AND PROFILES	6
UTILITY DETAILS	7
UTILITY DETAILS	8
UTILITY DETAILS	9
SNOW STORAGE PLAN	10

STANDARD PLAN NOTES:

- ALL CONSTRUCTION TECHNIQUES AND MATERIALS SHALL BE IN ACCORDANCE WITH THE CURRENT KITITAS COUNTY, 2020 WSDOT STANDARDS AND SPECIFICATIONS, DOE 2019 STORMWATER MANAGEMENT MANUAL FOR EASTERN WASHINGTON, AND AS SHOWN IN THESE PLANS.
- A COPY OF THE APPROVED CONTRACT DOCUMENTS AND PLANS, MUST BE ON SITE WHENEVER CONSTRUCTION IS IN PROGRESS.
- PRIOR TO ANY CONSTRUCTION ACTIVITY, THE CONTRACTOR SHALL SCHEDULE AND ATTEND A PRE-CONSTRUCTION MEETING WITH THE COUNTY, UTILITY DISTRICT AND THEIR REPRESENTATIVE. THE CONTRACTOR SHALL NOTIFY ENCOMPASS ENGINEERING OF THE PRE-CONSTRUCTION MEETING TIME AND LOCATION.
- PAVED SURFACES INCLUDING ROADWAYS, SIDEWALKS AND CURBS THAT ARE DAMAGED BY NEW CONSTRUCTION SHALL BE REPAIRED AS REQUIRED BY THE INSPECTOR.
- ALL SURVEYING AND STAKING OF IMPROVEMENTS SHALL BE APPROVED BY THE DEVELOPER. CONTRACTOR SHALL COORDINATE AND VERIFY WITH THE DEVELOPER PRIOR TO OBTAINING STAKING SERVICES.
- THE CONTRACTOR SHALL NOTIFY THE KITITAS COUNTY FIRE DISTRICT (509-396-1495) TWENTY-FOUR (24) HOURS IN ADVANCE OF ALL WATER SERVICE INTERRUPTIONS, HYDRANT SHUT-OFFS, AND STREET CLOSURES OR OTHER ACCESS BLOCKAGE. THE CONTRACTOR SHALL ALSO NOTIFY THE DISTRICT OF ALL NEW, RELOCATED, OR ELIMINATED HYDRANTS RESULTING FROM THIS WORK.
- ALL LOCATIONS OF EXISTING UTILITIES SHOWN HEREON HAVE BEEN ESTABLISHED BY FIELD SURVEY OR OBTAINED FROM AVAILABLE RECORDS AND SHOULD THEREFORE BE CONSIDERED APPROXIMATE ONLY AND NOT NECESSARILY COMPLETE. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO INDEPENDENTLY VERIFY THE ACCURACY OF ALL UTILITY LOCATIONS SHOWN AND TO FURTHER DISCOVER AND AVOID ANY OTHER UTILITIES NOT SHOWN HEREON WHICH MAY BE AFFECTED BY THE IMPLEMENTATION OF THIS PLAN.
- THE CONTRACTOR SHALL LOCATE AND PROTECT ALL ACTIVE CASTINGS AND UTILITIES DURING CONSTRUCTION AND SHALL CONTACT THE UNDERGROUND UTILITIES LOCATOR SERVICE (1-800-424-5555) AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL ADJUST ALL EXISTING MANHOLE RIMS, DRAINAGE STRUCTURE LIDS, VALVE BOXES AND UTILITY ACCESS STRUCTURES TO FINISH GRADE WITHIN AREAS AFFECTED BY THE PROPOSED IMPROVEMENTS.
- THE CONTRACTOR SHALL PROVIDE FOR ALL COMPACTION TESTS REQUIRED BY THE INSPECTOR.
- BACKFILL MATERIAL SHALL MEET GEOTECHNICAL REPORT AND SHALL BE APPROVED BY THE UTILITY DISTRICT AND GEOTECHNICAL ENGINEER PRIOR TO BACKFILLING.
- INSPECTION AND ACCEPTANCE OF ALL WORK RELATED TO GRADING AND STORM DRAINAGE WILL BE ACCOMPLISHED BY KITITAS COUNTY DEPARTMENT OF PUBLIC WORKS. ALL WORK RELATED TO SEWER AND WATER UTILITIES WILL BE ACCOMPLISHED BY SNOQUALMIE PASS UTILITY DISTRICT. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE AND SCHEDULE APPROPRIATE INSPECTIONS, ALLOWING PROPER ADVANCE NOTICE. THE INSPECTOR MAY REQUIRE RECONSTRUCTION OF ITEMS THAT DO NOT MEET THE CONTRACT DOCUMENTS OR THAT WERE CONSTRUCTED WITHOUT INSPECTION.
- THE CONTRACTOR SHALL PROVIDE AND MAINTAIN BEST MANAGEMENT PRACTICES AS SHOWN HEREIN TO INSURE THAT SEDIMENT-LADEN WATER DOES NOT ENTER THE WATER OF THE STATE. AS CONSTRUCTION PROGRESSES AND UNEXPECTED (SEASONAL) CONDITIONS DICTATE, ADDITIONAL BEST MANAGEMENT PRACTICES MAY BE REQUIRED. THEREFORE, DURING THE COURSE OF CONSTRUCTION IT SHALL BE THE OBLIGATION AND RESPONSIBILITY OF THE CONTRACTOR TO ADDRESS ANY NEW CONDITIONS THAT MAY BE CREATED BY HIS ACTIVITIES AND TO PROVIDE ADDITIONAL FACILITIES THAT MAY BE NEEDED TO PROTECT ADJACENT PROPERTIES.
- THE CONTRACTOR SHALL KEEP ALL STREETS AND PUBLIC RIGHT-OF-WAY CLEAN AT ALL TIMES BY SWEEPING. WASHING WILL NOT BE ALLOWED WITHOUT PRIOR APPROVAL BY THE COUNTY OR ENGINEER.
- CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL AS NECESSARY THROUGHOUT THE PROJECT. TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH WSDOT AND KITITAS COUNTY STANDARDS.
- CONTRACTOR SHALL COORDINATE ALL ELECTRICAL WORK WITH PSE AND ELECTRICAL CONSULTANT.
- CONTRACTOR SHALL NOT MAKE ANY REVISIONS IN THE FIELD WITHOUT PRIOR WRITTEN APPROVAL BY THE UTILITY DISTRICT AND ENGINEER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE SAFEGUARDS, SAFETY DEVICES, PROTECTIVE EQUIPMENT, FLAGGERS, AND ANY OTHER NEEDED ACTIONS TO PROTECT THE LIFE, HEALTH, AND SAFETY OF THE PUBLIC, AND TO PROTECT PROPERTY IN CONNECTION WITH THE PERFORMANCE OF WORK COVERED BY THE CONTRACTOR. ANY WORK WITHIN THE TRAVELED RIGHT-OF-WAY THAT MAY INTERRUPT NORMAL TRAFFIC FLOW SHALL REQUIRE AT LEAST ONE FLAGGER FOR EACH LANE OF TRAFFIC AFFECTED. ALL SECTIONS OF THE WSDOT STANDARD SPECIFICATIONS 1-07.23 - TRAFFIC CONTROL, SHALL APPLY.
- ANY TRENCH DEEPER THAN 5 FEET WILL REQUIRE SHORING FOR TRENCH WALL STABILIZATION.

KITITAS COUNTY
APPROVED FOR CONSTRUCTION

THESE PLANS HAVE BEEN REVIEWED BY KITITAS COUNTY DEPARTMENT OF PUBLIC WORKS AND HAVE BEEN ACCEPTED FOR COMPLYING WITH THE REQUIREMENTS OF KITITAS COUNTY.

DIRECTOR OF PUBLIC WORKS _____ DATE _____

811
Know what's below.
Call before you dig.

REVISIONS	DATE	BY	DESCRIPTION
	03/08/2022	ID	REVISED PER COUNTY COMMENTS

THE PLANS SET FORTH ON THIS SHEET ARE AND SHALL REMAIN THE PROPERTY OF ENCOMPASS ENGINEERING & SURVEYING



SKI ACRES ESTATES LOTS 6-11
SNOPASS SF LOFTS LLC
COVER SHEET

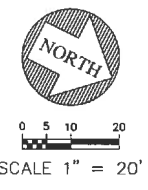
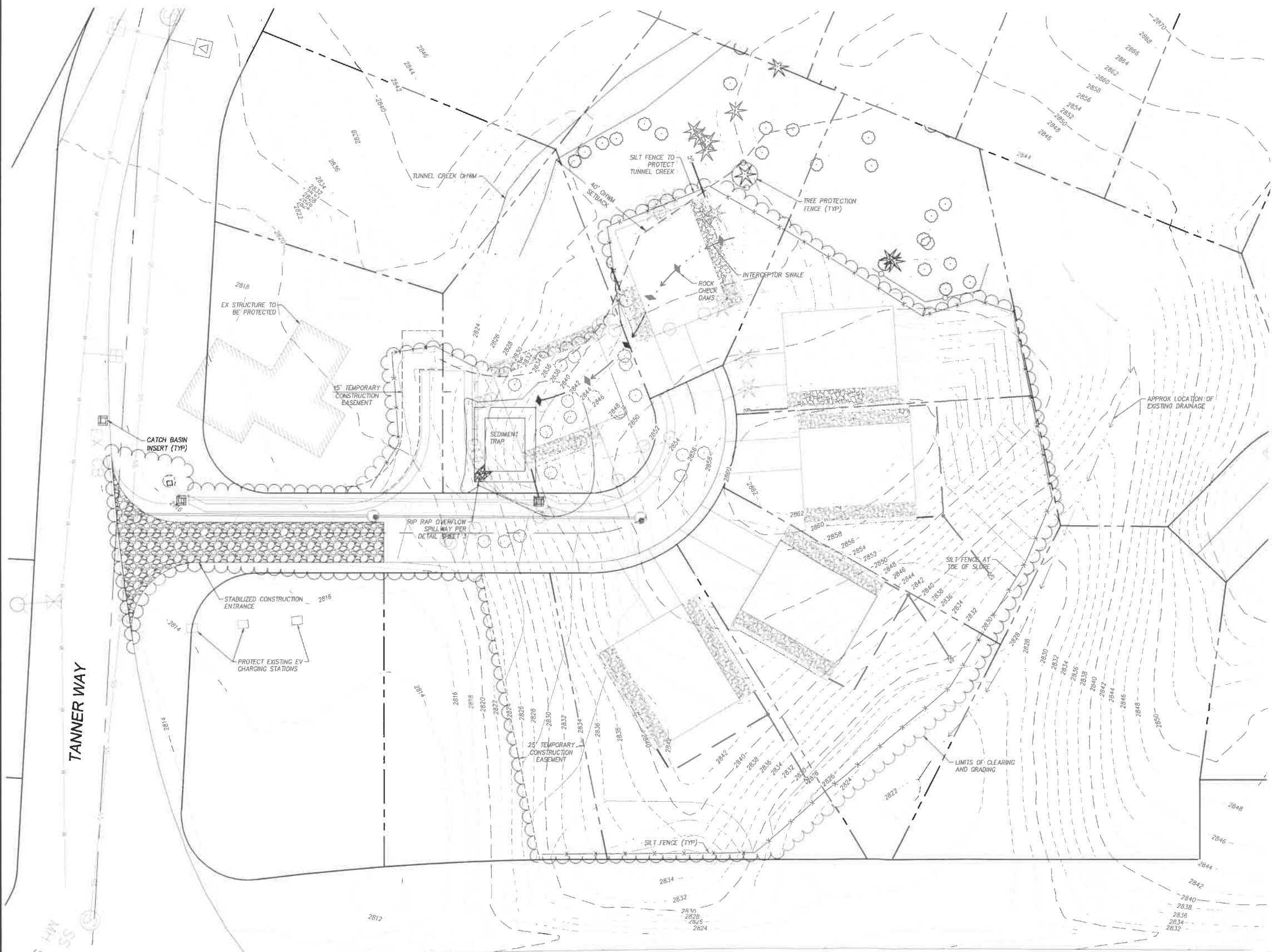
Encompass
ENGINEERING & SURVEYING

Western Washington Division
165 NE JUNIPER STREET, SUITE 201 • Issaquah, WA 98027 • Phone: (425) 392-0250
Eastern Washington Division
407 Sullivan Blvd. • Cle Elum, WA 98922 • Phone: (509) 674-7433

JOB NO.	20264
DATE	03/08/2022
SCALE	1"=40'
DESIGNED	IWD
DRAWN	TNF
CHECKED	CP
APPROVED	CP
SHEET	1

SKI ACRES ESTATES LOTS 6-11

SW 1/4 OF SE 1/4 OF SECTION 9, T. 22 N., R. 11 E., W.M.
KITTITAS COUNTY, STATE OF WASHINGTON



SEDIMENT TRAP SURFACE AREA CALCULATION
 $SA = 2 \times Q_p / 0.00096$
 $Q_p = 0.01 \text{ CFS (APPROXIMATELY 13,350 SF CLEARED AREA TRIBUTARY)}$
 $SA = 20.83 \text{ SF MINIMUM}$
 300 SF PROVIDED

REVISIONS	DESCRIPTION	BY	DATE
1	REVISED PER COUNTY COMMENTS	ID	03/08/2022



SKI ACRES ESTATES LOTS 6-11
 SNOPASS SF LOFTS LLC
 TEMPORARY EROSION CONTROL PLAN

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 Eastern Washington Division
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KITTITAS COUNTY
 APPROVED FOR CONSTRUCTION
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 DIRECTOR OF PUBLIC WORKS

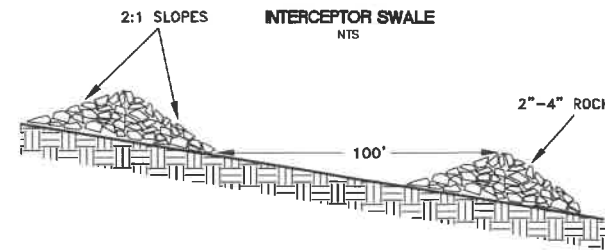
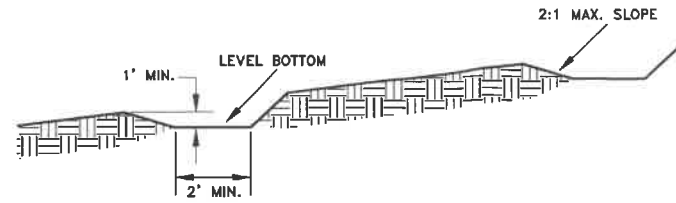
 DATE

811
 Know what's below.
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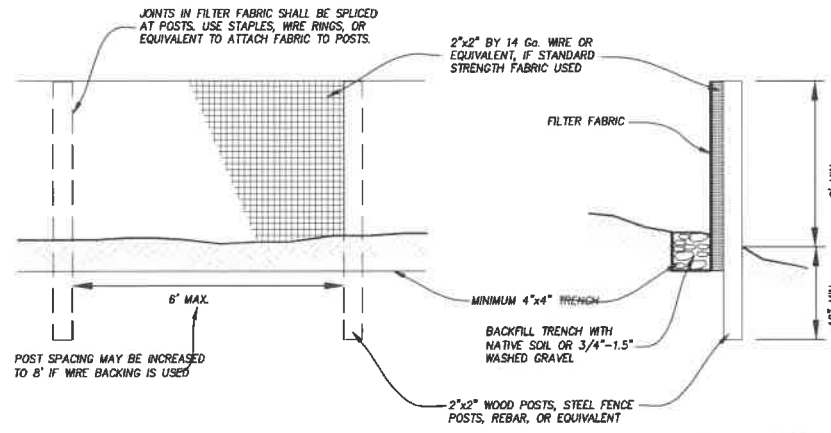
JOB NO.	20264
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SCALE	1" = 30'
DESIGNED	IWD
DRAWN	TNF
CHECKED	CP
APPROVED	CP
SHEET	2

SKI ACRES ESTATES LOTS 6-11

SW 1/4 OF SE 1/4 OF SECTION 9, T. 22 N., R. 11 E., W.M.
KITITITAS COUNTY, STATE OF WASHINGTON



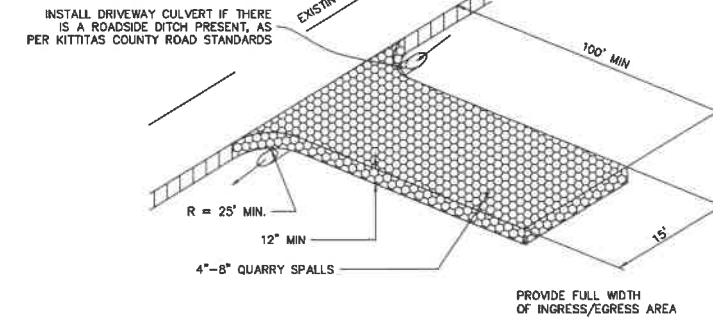
ROCK CHECK DAM SPACING
NTS



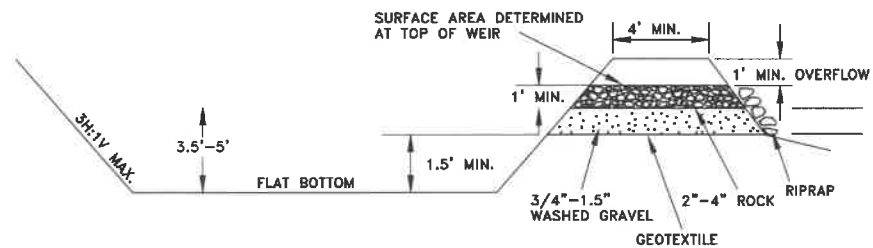
SILT FENCE
NTS

- SILT FENCE MAINTENANCE PER 2009 KCSWDM
1. ANY DAMAGE SHALL BE REPAIRED IMMEDIATELY.
 2. IF CONCENTRATED FLOWS ARE EVIDENT UPHILL OF THE FENCE, THEY MUST BE INTERCEPTED AND CONVEYED TO A SEDIMENT TRAP OR POND.
 3. IT IS IMPORTANT TO CHECK THE UPHILL SIDE OF THE FENCE FOR SIGNS OF THE FENCE CLOGGING AND ACTING AS A BARRIER TO FLOW AND THEN CAUSING CHANNELIZATION OF FLOWS PARALLEL TO THE FENCE. IF THIS OCCURS, REPLACE THE FENCE OR REMOVE THE TRAPPED SEDIMENT.
 4. SEDIMENT MUST BE REMOVED WHEN THE SEDIMENT IS 6 INCHES HIGH.
 5. IF THE FILTER FABRIC (GEOTEXTILE) HAS DETERIORATED DUE TO ULTRAVIOLET BREAKDOWN, IT SHALL BE REPLACED.

AS PER KITITITAS COUNTY ROAD STANDARDS, DRIVEWAYS SHALL BE PAVED TO THE EDGE OF R.O.W. PRIOR TO INSTALLATION OF THE CONSTRUCTION ENTRANCE TO AVOID DAMAGING OF THE ROADWAY.
IT IS RECOMMENDED THAT THE ENTRANCE BE CROWNED SO THAT RUNOFF DRAINS FROM THE PAD.



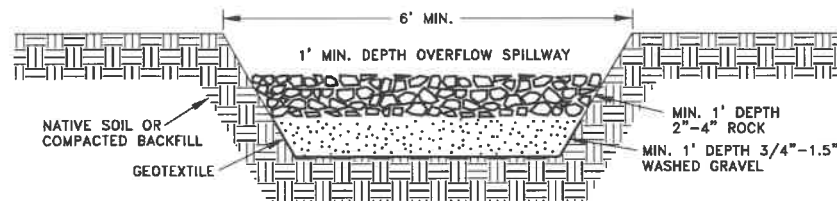
STABILIZED CONSTRUCTION ENTRANCE
NTS



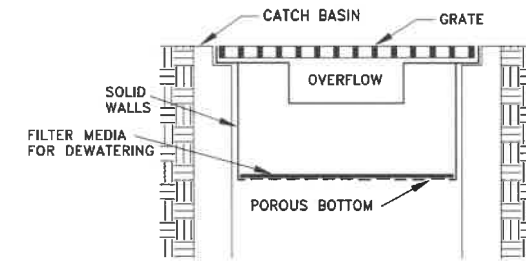
NOTE: TRAP MAY BE FORMED BY BERM OR BY PARTIAL OR COMPLETE EXCAVATION

DISCHARGE TO STABILIZED CONVEYANCE, OUTLET OR LEVEL SPREADER

CROSS SECTION
NTS



SEDIMENT TRAP OUTLET
NTS



NOTE: THIS DETAIL IS ONLY SCHEMATIC. ANY INSERT IS ALLOWED THAT HAS A MIN. 0.5 C.F. OF STORAGE, THE MEANS TO DEWATER THE STORED SEDIMENT, AN OVERFLOW, AND CAN BE EASILY MAINTAINED.

CATCH BASIN INSERT
NTS

KITITITAS COUNTY
APPROVED FOR CONSTRUCTION
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DIRECTOR OF PUBLIC WORKS _____ DATE _____

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REVISIONS	DESCRIPTION	BY	DATE
1	REVISED PER COUNTY COMMENTS	ID	03/08/2022



SKI ACRES ESTATES LOTS 6-11
SNOPASS SF LOFTS LLC
TESC NOTES AND DETAILS

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Western Washington Division
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Eastern Washington Division
407 Swilwater Blvd. • Cle Elum, WA 98922 • Phone: (509) 674-7433

JOB NO.	20264
DATE	03/08/2022
SCALE	NTS
DESIGNED	IWD
DRAWN	TNF
CHECKED	CP
APPROVED	CP
SHEET	3

SKI ACRES ESTATES LOTS 6-11

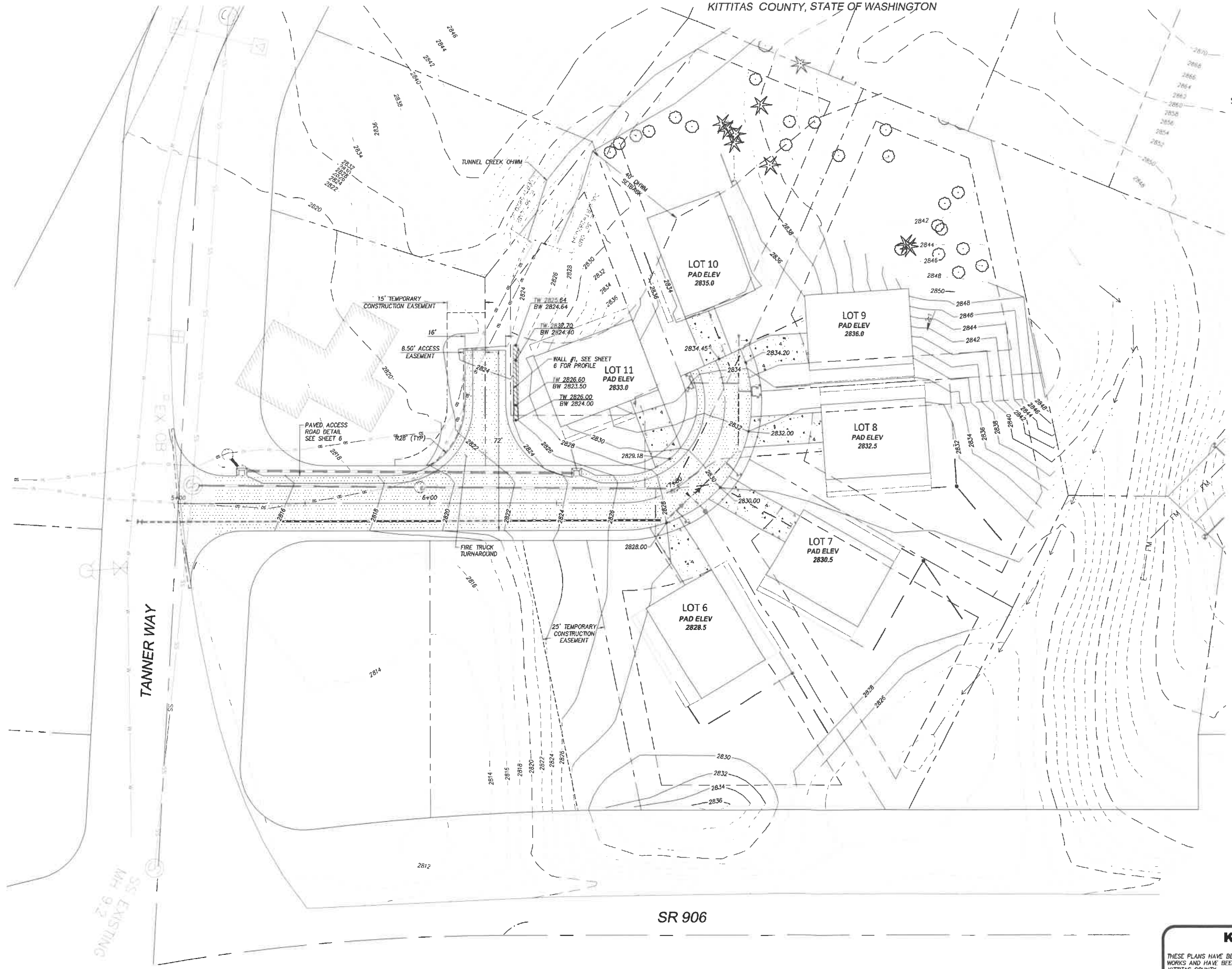
SW 1/4 OF SE 1/4 OF SECTION 9, T. 22 N., R. 11 E., W.M.
KITITITAS COUNTY, STATE OF WASHINGTON



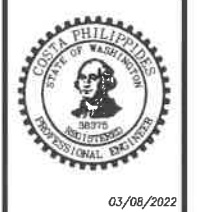
0 5 10 20 30
SCALE 1" = 30'

NOTES:
1. ANY WALLS OVER 4' (FEET) IN HEIGHT TO BE DESIGNED BY A LICENSED STRUCTURAL ENGINEER.

PRELIMINARY GRADING VOLUMES		
CUT (CY)	FILL (CY)	NET (CY)
18,850	150	18,700



REVISIONS	DATE	BY	ID
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SKI ACRES ESTATES LOTS 6-11
SNOPASS SF LOFTS LLC
GRADING PLAN

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KITITITAS COUNTY
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SHEET	4

SKI ACRES ESTATES LOTS 6-11

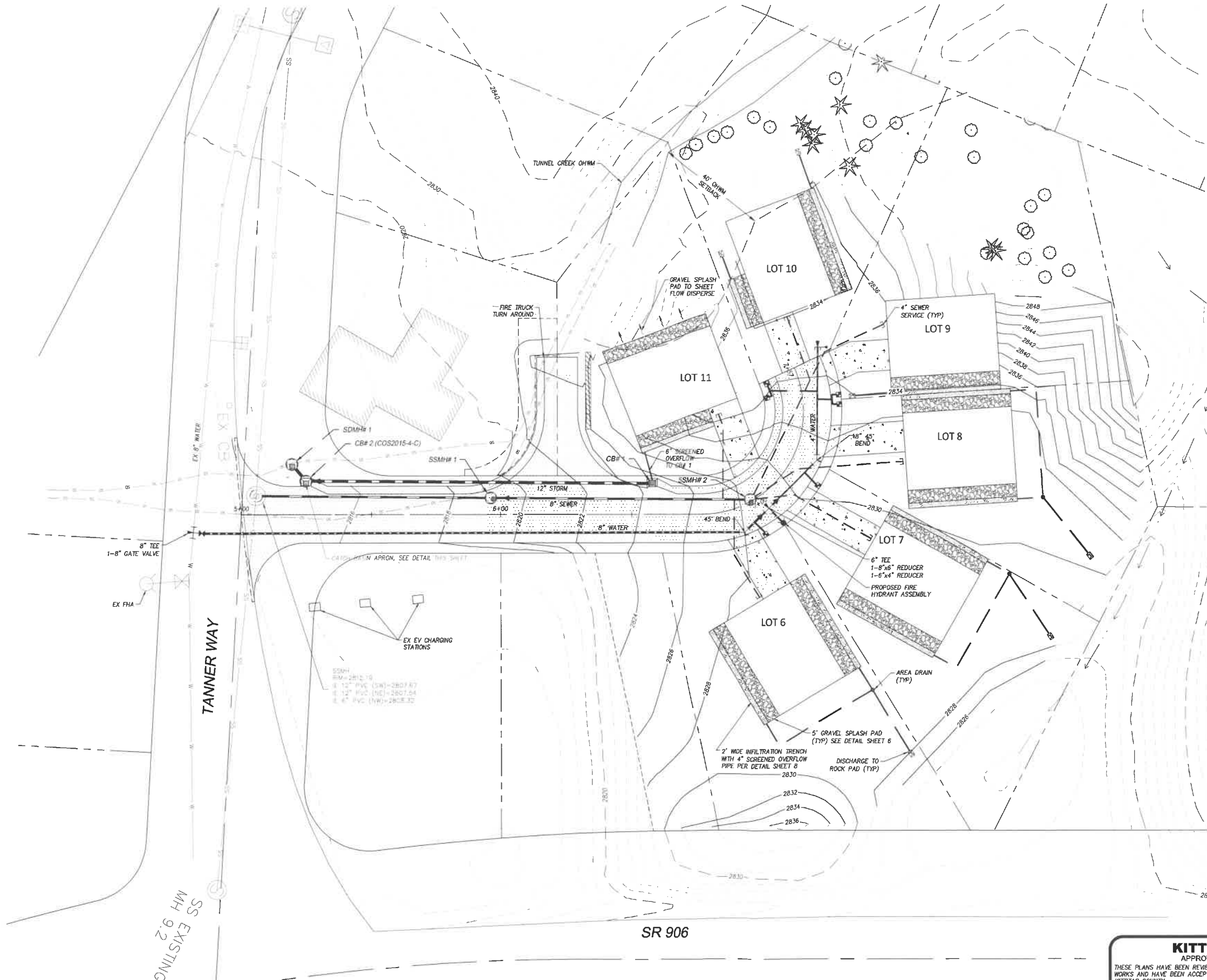
SW 1/4 OF SE 1/4 OF SECTION 9, T. 22 N., R. 11 E., W.M.
KITITAS COUNTY, STATE OF WASHINGTON



0 5 10 20
SCALE 1" = 20'

NOTES:

1. WATER METERS AND SERVICES ARE 3/4".
2. WATER TAPS ARE 1" FOR DUAL WATER METERS.
3. SEWER TAPS FOR TWO SERVICES ARE 6". SERVICES WYE AT THE PROPERTY LINE AND REDUCE DOWN TO 4".
4. INFILTRATION TRENCHES AND GRAVEL SPLASH PADS TO BE CONSTRUCTED WITH INDIVIDUAL HOME CONSTRUCTION.



REVISIONS	BY	DATE
DESCRIPTION	ID	DATE
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03/08/2022

SKI ACRES ESTATES LOTS 6-11
SNOPASS SF LOFTS LLC
UTILITY PLAN

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ENGINEERING & SURVEYING
Western Washington Division
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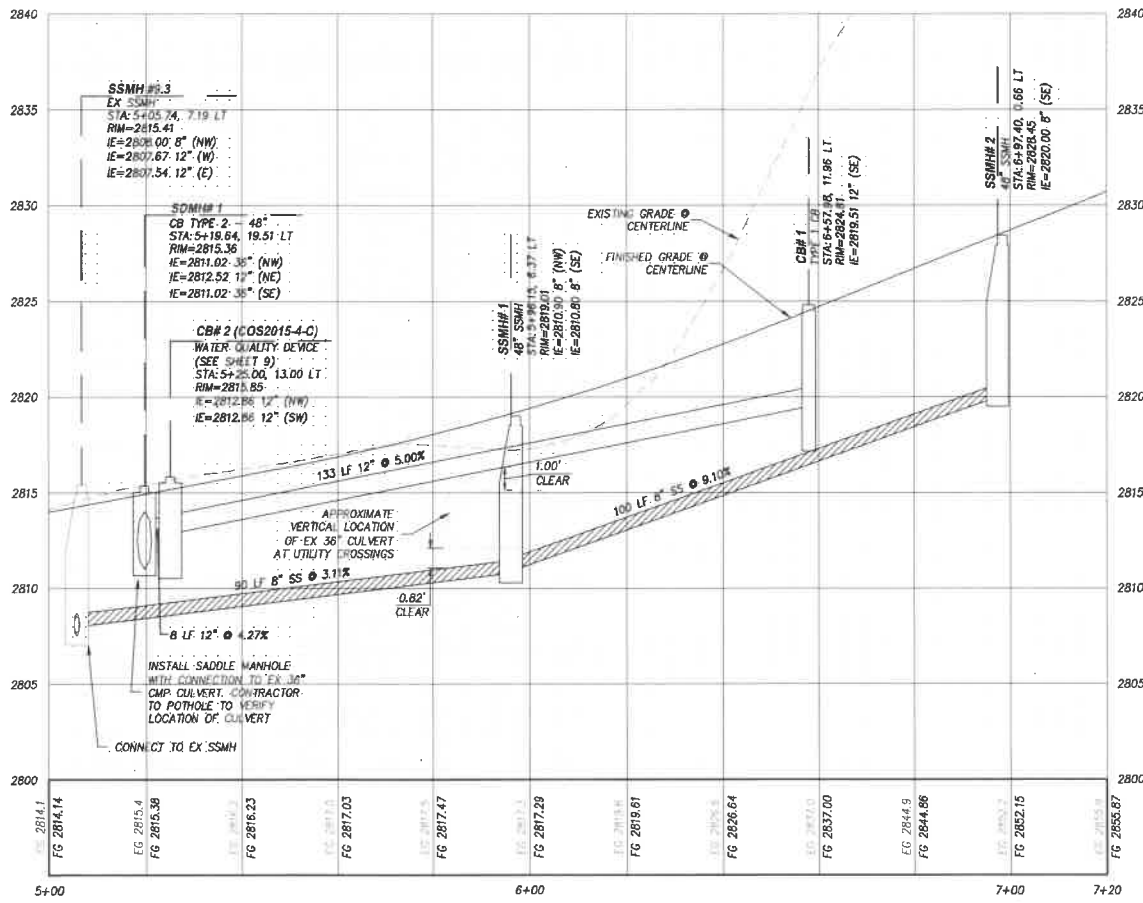
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SHEET	5

KITITAS COUNTY
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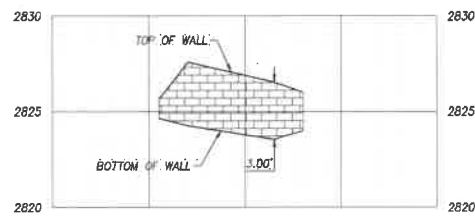
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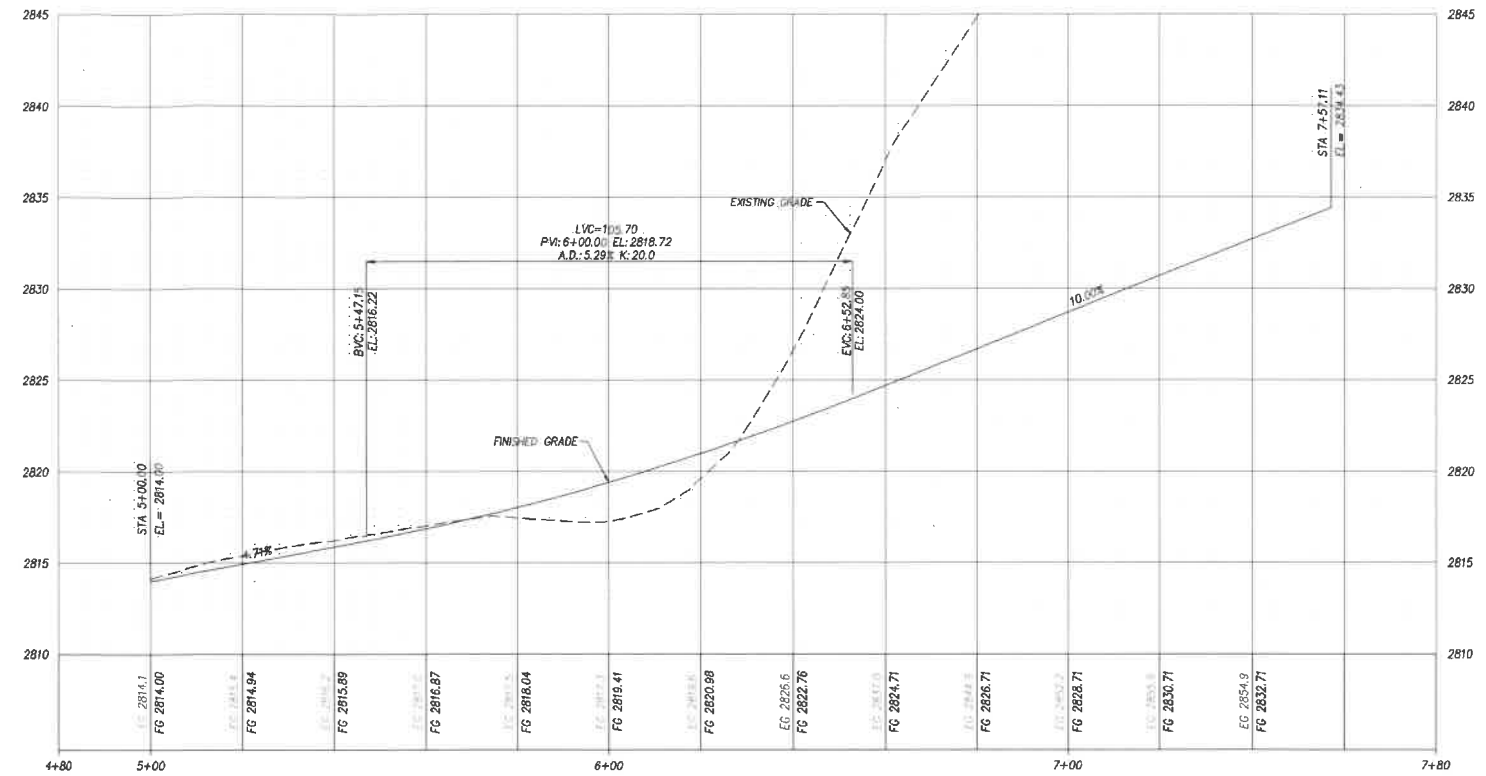
STORMWATER AND SANITARY SEWER PROFILE

SCALE: HORIZ. 1"=20'
VERT. 1"=5'



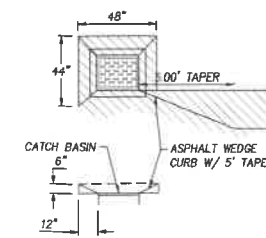
WALL PROFILE

SCALE: HORIZ. 1"=20'
VERT. 1"=5'



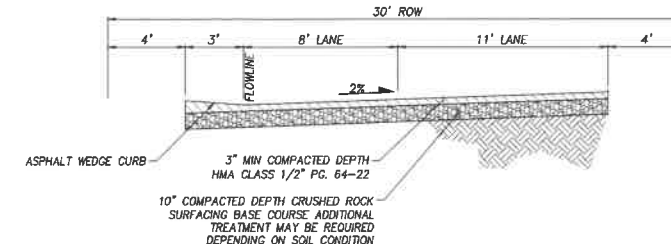
SOUTH ACCESS ROAD PROFILE

SCALE: HORIZ. 1"=20'
VERT. 1"=5'



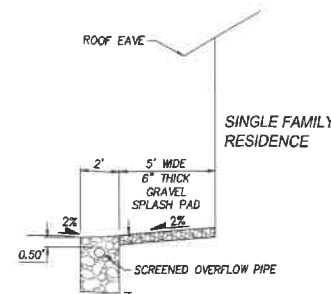
ASPHALT CURB CATCH BASIN APRON DETAIL

SCALE: 1"=5'



SOUTH ACCESS TYPICAL ROAD SECTION

SCALE: 1"=5'



TYPICAL ROOFTOP RUNOFF INFILTRATION SYSTEM

SCALE: 1"=5'

KITITAS COUNTY
APPROVED FOR CONSTRUCTION

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SKI ACRES ESTATES LOTS 6-11
SNOPASS SF LOFTS LLC
CONSTRUCTION DETAILS AND PROFILES

03/08/2022

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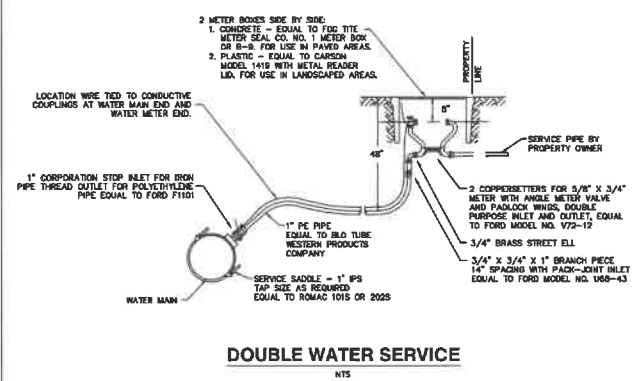
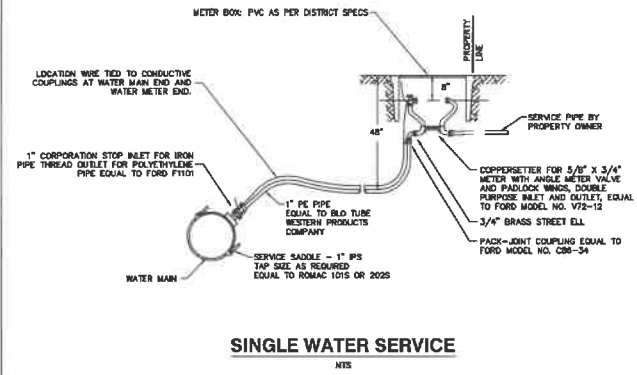
Western Washington Division
165 NE Juniper Street, Suite 201 • Issaquah, WA 98027 • Phone: (425) 392-0250
Eastern Washington Division
407 Swillwater Blvd. • Cle Elum, WA 98922 • Phone: (509) 674-7433

JOB NO.	20264
DATE	03/08/2022
SCALE	NTS
DESIGNED	IWD
DRAWN	TNF
CHECKED	CP
APPROVED	CP
SHEET	6

SKI ACRES ESTATES LOTS 6-11

SW 1/4 OF SE 1/4 OF SECTION 9, T. 22 N., R. 11 E., W.M.

KITITAS COUNTY, STATE OF WASHINGTON



WATER STANDARD DETAIL
SNOQUALMIE PASS
UTILITY DISTRICT

FILE	SCALE	DATE
SPUDTW2	NTS	7/22/04

WATER STANDARD DETAIL
SNOQUALMIE PASS
UTILITY DISTRICT

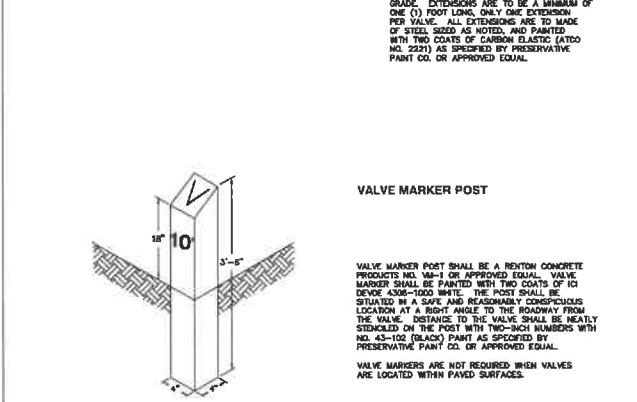
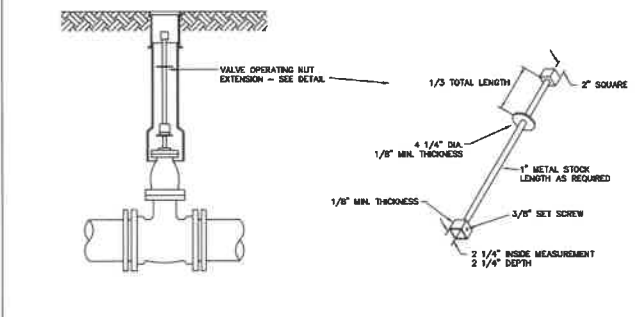
FILE	SCALE	DATE
SPUDTW6	NTS	7/22/04

WATER STANDARD DETAIL
SNOQUALMIE PASS
UTILITY DISTRICT

FILE	SCALE	DATE
SPUDTW0	NTS	7/22/04

WATER STANDARD DETAIL
SNOQUALMIE PASS
UTILITY DISTRICT

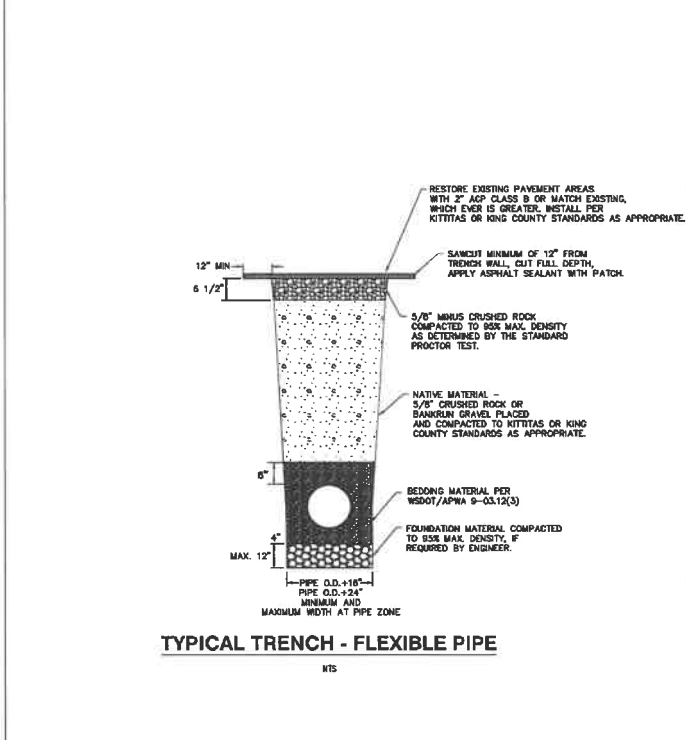
FILE	SCALE	DATE
SPUDTW1	NTS	7/22/04



GENERAL MISCELLANEOUS DETAILS

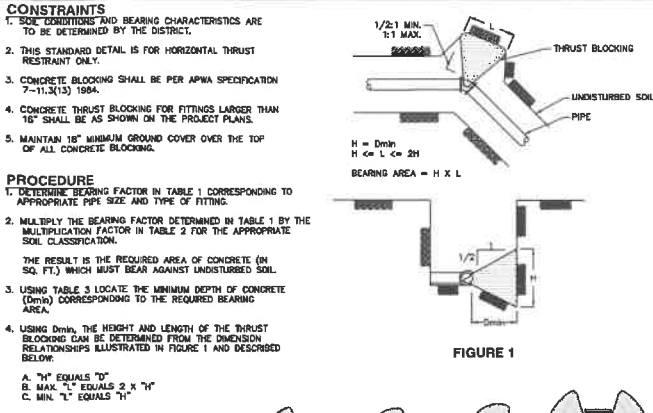
WATER STANDARD DETAIL
SNOQUALMIE PASS
UTILITY DISTRICT

FILE	SCALE	DATE
SPUDTW2	NTS	7/22/04



SEWER STANDARD DETAIL
SNOQUALMIE PASS
UTILITY DISTRICT

FILE	SCALE	DATE
SPUDTS1	NTS	7/22/04



BEARING FACTOR TABLE 1

TEST	125S	125S	90°	45°	22 1/2°	11 1/4°
SIZE	DEAD	DEAD	BEND	BEND	BEND	BEND
3	300	2.25	2.25	2.25	2.25	2.25
4	300	2.25	2.25	2.25	2.25	2.25
6	300	2.83	4.00	2.25	2.25	2.25
B	300	5.00	7.11	3.85	2.25	2.25
10	300	2.25	11.11	8.00	3.68	2.25
12	300	11.31	18.00	8.89	4.41	2.25
14	225	12.83	18.14	8.82	5.00	2.51
16	225	15.00	21.33	11.54	5.88	2.98

* 2.25 BASED ON BEARING FACTORS

SOIL CONDITION

SOIL CONDITION	MULTIPLICATION FACTOR
MUCK, PEAT, etc.	5.0
SOFT CLAY	1.5
SAND	1.0
SAND AND GRAVEL	0.75
SAND AND GRAVEL COHESIVE W/ CLAY	0.75
HARD SHALE	0.50

* THRUST BLOCKING SHALL BE DESIGNED BY ENGINEER

MULTIPLICATION FACTOR TABLE 2

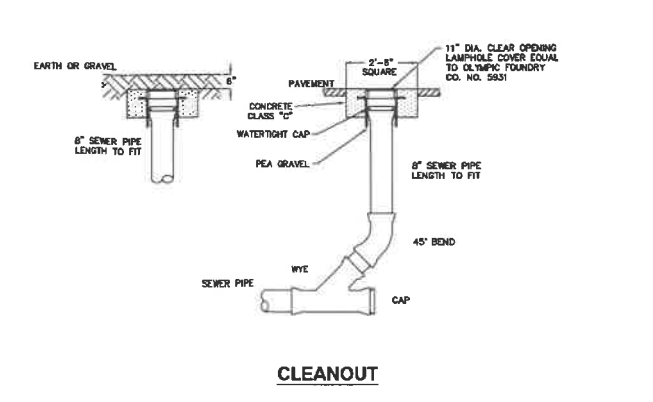
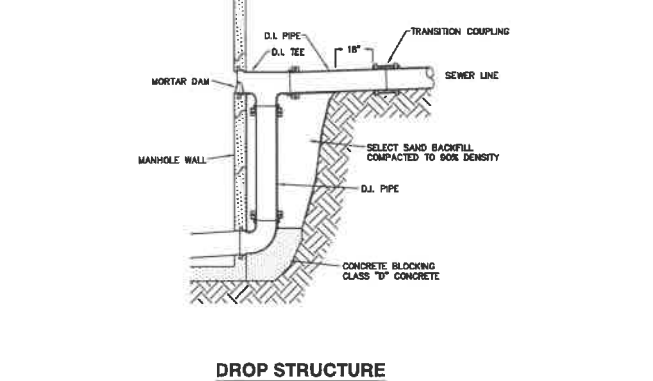
SOIL CONDITION	MULTIPLICATION FACTOR
MUCK, PEAT, etc.	5.0
SOFT CLAY	1.5
SAND	1.0
SAND AND GRAVEL	0.75
SAND AND GRAVEL COHESIVE W/ CLAY	0.75
HARD SHALE	0.50

BLOCK SHAPE TABLE 3

ROD BEARING AREA (SQ. FT.)	MINIMUM DEPTH D _{MIN}
2.25 MIN. - 5.0	1.5'
5.01 - 10.0	2.25'
10.01 - 15.0	3.0'
15.01 - 30.0	4.5'
30.01 - 40.0	4.5'
40.01 - 50.0	5.0'
50.01 - 70.0	6.0'

WATER STANDARD DETAIL
SNOQUALMIE PASS
UTILITY DISTRICT

FILE	SCALE	DATE
SPUDTW0	NTS	7/22/04



SEWER STANDARD DETAIL
SNOQUALMIE PASS
UTILITY DISTRICT

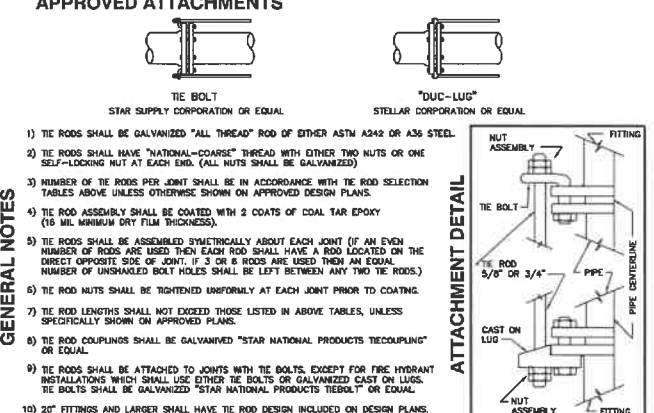
FILE	SCALE	DATE
SPUDTS2	NTS	7/22/04

ASTM A242 (COR-TEN OPEQUAL) STEEL

ROD DIAMETER, IN. OR (3/4")	NUMBER OF THE RODS PER JOINT				MAXIMUM THE ROD LENGTH, FEET			
	3	4	5	6	100	100	100	100
3	2	2	2	2	100	100	100	100
4	2	2	2	2	100	100	100	100
5	2	2	2	2	100	100	100	100
6	2	2	2	2	100	100	100	100
8	2	2	2	2	100	100	100	100
10	2	2	2	2	100	100	100	100
12	2	2	2	2	100	100	100	100
14	2	2	2	2	100	100	100	100
16	2	2	2	2	100	100	100	100
18	2	2	2	2	100	100	100	100

ASTM A36 STEEL

ROD DIAMETER, IN. OR (3/4")	NUMBER OF THE RODS PER JOINT				MAXIMUM THE ROD LENGTH, FEET			
	3	4	5	6	100	100	100	100
3	2	2	2	2	100	100	100	100
4	2	2	2	2	100	100	100	100
5	2	2	2	2	100	100	100	100
6	2	2	2	2	100	100	100	100
8	2	2	2	2	100	100	100	100
10	2	2	2	2	100	100	100	100
12	2	2	2	2	100	100	100	100
14	2	2	2	2	100	100	100	100
16	2	2	2	2	100	100	100	100
18	2	2	2	2	100	100	100	100



WATER STANDARD DETAIL
SNOQUALMIE PASS
UTILITY DISTRICT

FILE	SCALE	DATE
SPUDTW1	NTS	7/22/04

KITITAS COUNTY
APPROVED FOR CONSTRUCTION

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DIRECTOR OF PUBLIC WORKS _____ DATE _____



REVISIONS

NO.	DATE	DESCRIPTION
1	03/08/2022	REVISED PER COUNTY COMMENTS



SKI ACRES ESTATES LOTS 6-11
SNOPASS SF LOFTS LLC
UTILITY DETAILS

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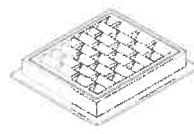
JOB NO.	20264
DATE	03/08/2022
SCALE	NTS
DESIGNED	JWD
DRAWN	TNF
CHECKED	CP
APPROVED	CP
SHEET	7

SKI ACRES ESTATES LOTS 6-11

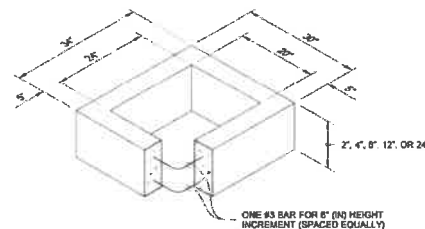
SW 1/4 OF SE 1/4 OF SECTION 9, T. 22 N., R. 11 E., W.M.

KITTITAS COUNTY, STATE OF WASHINGTON

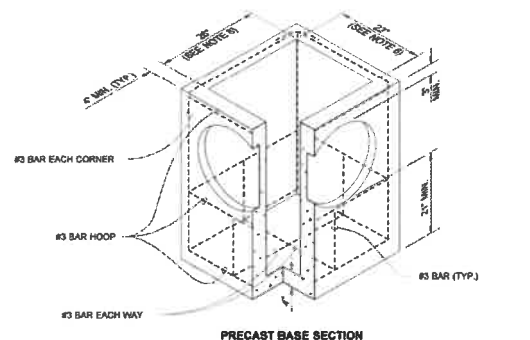
DRAWN BY: FERN LODGE



FRAME AND VANED GRATE



RECTANGULAR ADJUSTMENT SECTION



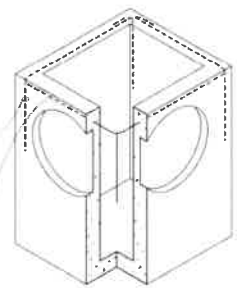
PRECAST BASE SECTION

PIPE ALLOWANCES	
PIPE MATERIAL	MAXIMUM INSIDE DIAMETER (INCHES)
REINFORCED OR PLAIN CONCRETE	12"
ALL METAL PIPE	15"
CPSP *	12"
(STD. SPEC. SECT. 9-08.20)	
SOLID WALL PVC	15"
(STD. SPEC. SECT. 9-08.12(1))	
PROFILE WALL PVC	15"
(STD. SPEC. SECT. 9-06.17(2))	

* CORRUGATED POLYETHYLENE STORM SEWER PIPE

NOTES

- As acceptable alternatives to the rebar shown in the PRECAST BASE SECTION, fibers (placed according to the Standard Specifications), or wire mesh having a minimum area of 0.12 square inches per foot shall be used with the minimum required rebar shown in the ALTERNATIVE PRECAST BASE SECTION. Wire mesh shall not be placed in the knockouts.
- The knockout diameter shall not be greater than 20" (in). Knockouts shall have a wall thickness of 2" (in) minimum to 2.5" (in) maximum. Provide a 1.5" (in) minimum gap between the knockout wall and the outside of the pipe. After the pipe is installed, fill the gap with joint mortar in accordance with Standard Specification Section 9-04.3.
- The maximum depth from the finished grade to the lowest pipe invert shall be 5' (ft).
- The frame and grate may be installed with the flange down, or integrally cast into the adjustment section with flange up.
- The Precast Base Section may have a rounded floor, and the walls may be sloped at a rate of 1 : 24 or steeper.
- The opening shall be measured at the top of the Precast Base Section.
- All pickup holes shall be grouted full after the basin has been placed.



ALTERNATIVE PRECAST BASE SECTION



Julie Heilmann, P.E., No. 2000180101, 09/22/50-0700

CATCH BASIN TYPE 1

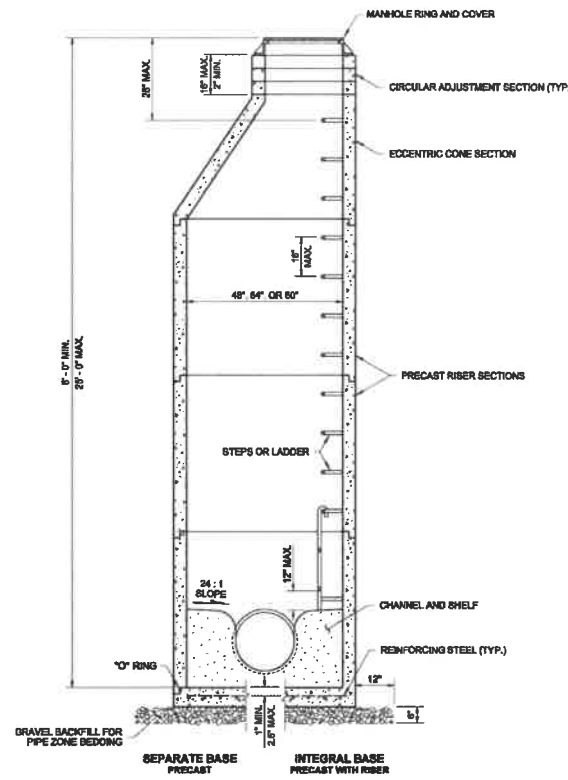
STANDARD PLAN B-5.20-03

APPROVED FOR PUBLICATION

Roark, Steve, Date: 2020-08-28 08:45:23 -0700

Washington State Department of Transportation

DRAWN BY: LISA CYRINO



NOTES

- Knockouts shall have a wall thickness of 2" minimum to 2.5" maximum.
- For pipe allowances, see Standard Plan B-10.20.

MANHOLE DIMENSION TABLE				
DIAM.	MIN. WALL THICKNESS	MIN. BASE THICKNESS	MAXIMUM KNOCKOUT SIZE	MINIMUM DISTANCE BETWEEN KNOCKOUTS
48"	4"	6"	36"	8"
54"	4.5"	8"	42"	8"
60"	5"	8"	48"	8"



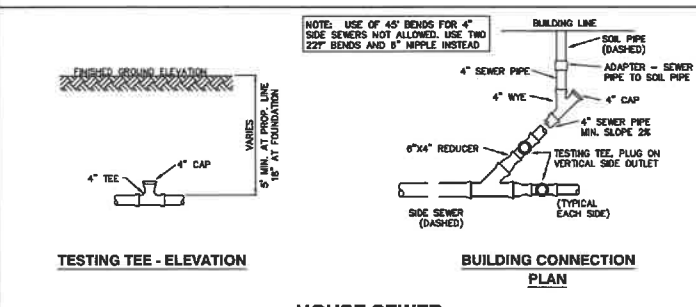
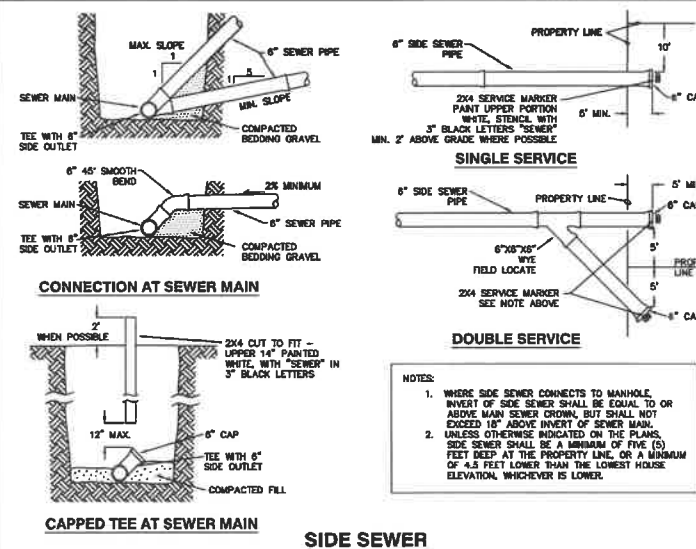
MANHOLE TYPE 1

STANDARD PLAN B-15.20-01

APPROVED FOR PUBLICATION

Pasco Bakotch III, Date: 02-07-12

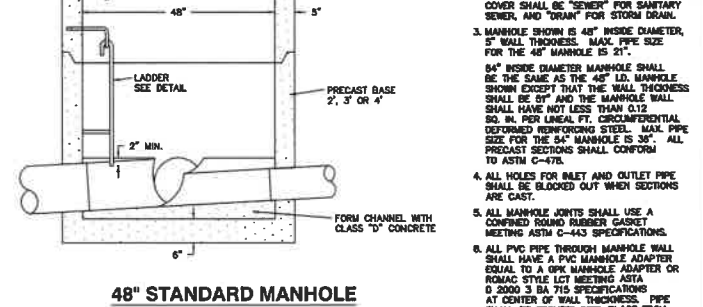
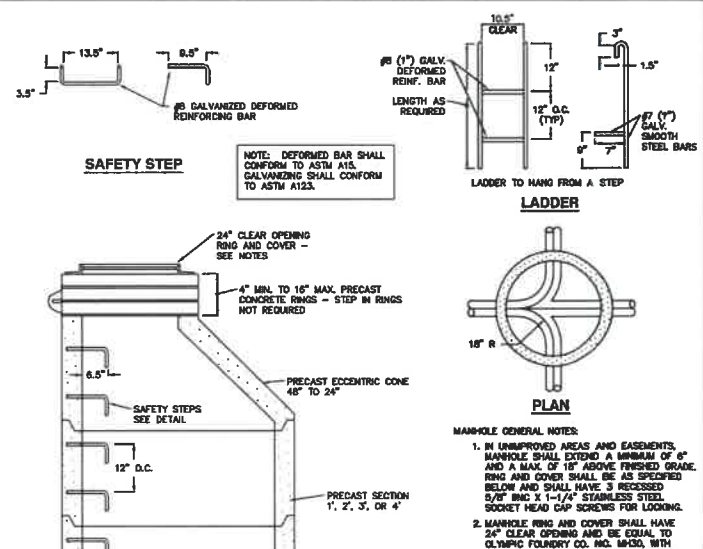
Washington State Department of Transportation



SEWER STANDARD DETAIL

SNOQUALMIE PASS UTILITY DISTRICT

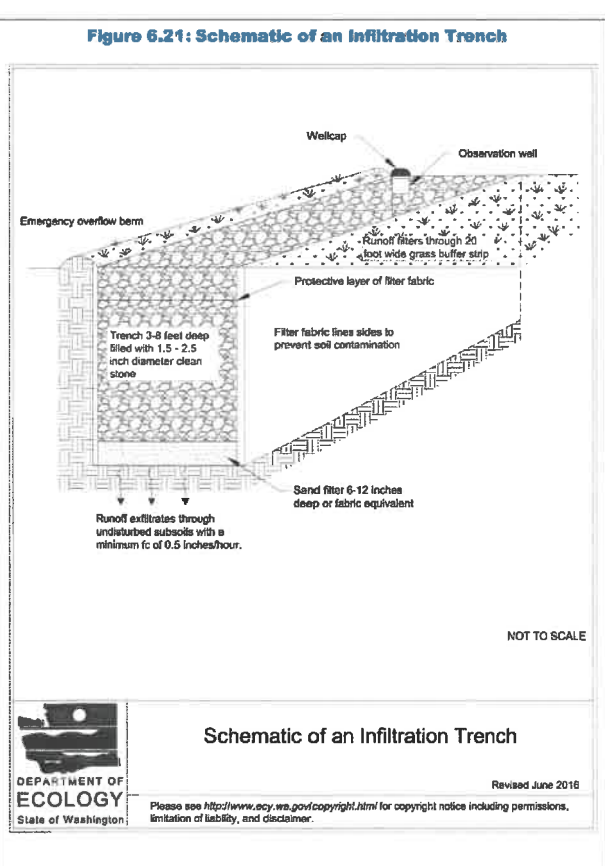
FILE	SCALE	DATE
SP0055	NTS	7/22/04



SEWER STANDARD DETAIL

SNOQUALMIE PASS UTILITY DISTRICT

FILE	SCALE	DATE
SP0058	NTS	7/22/04



DEPARTMENT OF ECOLOGY, State of Washington, Revised June 2018

2019 Stormwater Management Manual for Eastern Washington, Chapter 6 - Page 608

KITTITAS COUNTY
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 Eastern Washington Division
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JOB NO.	20264
DATE	03/08/2022
SCALE	NTS
DESIGNED	IND
DRAWN	TNF
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APPROVED	CP
SHEET	8

SKI ACRES ESTATES LOTS 6-11

SW 1/4 OF SE 1/4 OF SECTION 9, T. 22 N., R. 11 E., W.M.
KITITAS COUNTY, STATE OF WASHINGTON

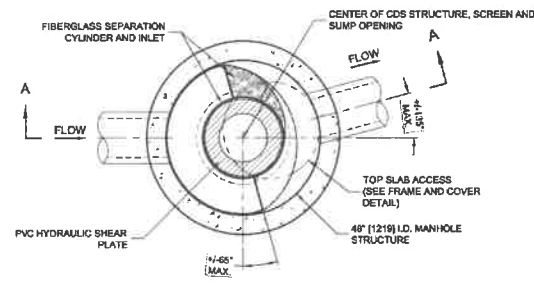
CDS2015-4-C DESIGN NOTES

CDS2015-4-C RATED TREATMENT CAPACITY IS 6.7 CFS (19.8 L/s), OR PER LOCAL REGULATIONS. MAXIMUM HYDRAULIC INTERNAL BYPASS CAPACITY IS 10.6 CFS (303 L/s). IF THE SITE CONDITIONS EXCEED 10.0 (283 L/s) CFS, AN UPSTREAM BYPASS STRUCTURE IS REQUIRED.

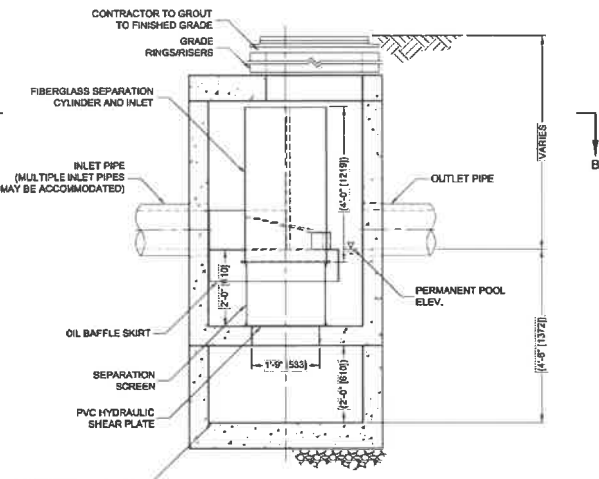
THE STANDARD CDS2015-4-C CONFIGURATION IS SHOWN. ALTERNATE CONFIGURATIONS ARE AVAILABLE AND ARE LISTED BELOW. SOME CONFIGURATIONS MAY BE COMBINED TO SUIT SITE REQUIREMENTS.

CONFIGURATION DESCRIPTION

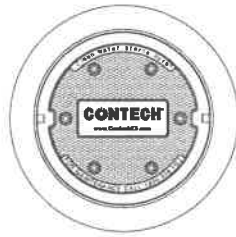
- GRATED INLET ONLY (NO INLET PIPE)
- GRATED INLET WITH INLET PIPE OR PIPES
- CURB INLET ONLY (NO INLET PIPE)
- CURB INLET WITH INLET PIPE OR PIPES
- SEPARATE OIL RAFFLE (SINGLE INLET PIPE REQUIRED FOR THIS CONFIGURATION)
- SEDIMENT WEIR FOR NUDEP / NJCAT CONFORMING UNITS



PLAN VIEW B-B
N.T.S.



ELEVATION A-A
N.T.S.



FRAME AND COVER
(DIAMETER VARIES)
N.T.S.

SITE SPECIFIC DATA REQUIREMENTS

STRUCTURE ID	
WATER QUALITY FLOW RATE (CFS OR L/s)	
PEAK FLOW RATE (CFS OR L/s)	
RETURN PERIOD OF PEAK FLOW (YRS)	
SCREEN APERTURE (2400 OR 4700)	
PIPE DATA:	
INLET PIPE 1	
INLET PIPE 2	
OUTLET PIPE	
RIM ELEVATION	
ANTI-FLOTATION BALLAST	
WIDTH	
HEIGHT	
NOTES/SPECIAL REQUIREMENTS:	
* PER ENGINEER OF RECORD	

GENERAL NOTES

1. CONTECH TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
2. DIMENSIONS MARKED WITH () ARE REFERENCE DIMENSIONS. ACTUAL DIMENSIONS MAY VARY.
3. FOR FABRICATION DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS AND WEIGHTS, PLEASE CONTACT YOUR CONTECH ENGINEERED SOLUTIONS LLC REPRESENTATIVE. www.contechllc.com
4. CDS WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING.
5. STRUCTURE SHALL MEET AASHTO HS20 AND CASTINGS SHALL MEET HS20 (AASHTO M 308) LOAD RATING, ASSUMING GROUNDWATER ELEVATION AT, OR BELOW, THE OUTLET PIPE INVERT ELEVATION. ENGINEER OF RECORD TO CONFIRM ACTUAL GROUNDWATER ELEVATION.
6. PVC HYDRAULIC SHEAR PLATE IS PLACED ON SHELF AT BOTTOM OF SCREEN CYLINDER. REMOVE AND REPLACE AS NECESSARY DURING MAINTENANCE CLEANING.

INSTALLATION NOTES

- A. ANY SUB-BASE, BACKFILL DEPTH, AND/OR ANTI-FLOTATION PROVISIONS ARE SITE-SPECIFIC DESIGN CONSIDERATIONS AND SHALL BE SPECIFIED BY ENGINEER OF RECORD.
- B. CONTRACTOR TO PROVIDE EQUIPMENT WITH SUFFICIENT LIFTING AND REACH CAPACITY TO LIFT AND SET THE CDS MANHOLE STRUCTURE (LIFTING CLUTCHES PROVIDED).
- C. CONTRACTOR TO ADD JOINT SEALANT BETWEEN ALL STRUCTURE SECTIONS, AND ASSEMBLE STRUCTURE.
- D. CONTRACTOR TO PROVIDE, INSTALL, AND GROUT PIPES. MATCH PIPE INVERTS WITH ELEVATIONS SHOWN.
- E. CONTRACTOR TO TAKE APPROPRIATE MEASURES TO ASSURE UNIT IS WATER TIGHT, HOLDING WATER TO FLOWLINE INVERT MINIMUM. IT IS SUGGESTED THAT ALL JOINTS BELOW PIPE INVERTS ARE GROUTED.



www.contechllc.com
3025 Centre Pointe Dr., Suite 400, West Chester, OH 45390
800-338-1122 513-645-7000 513-646-7303 FAX

CDS2015-4-C
INLINE CDS
STANDARD DETAIL



03/08/2022

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Eastern Washington Division
407 Swilwater Blvd. • Cle. Elm, WA 98922 • Phone: (509) 674-7433

JOB NO.	20264
DATE	03/08/2022
SCALE	NTS
DESIGNED	IWD
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APPROVED	CP

SHEET 9

KITITAS COUNTY
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DIRECTOR OF PUBLIC WORKS _____ DATE _____

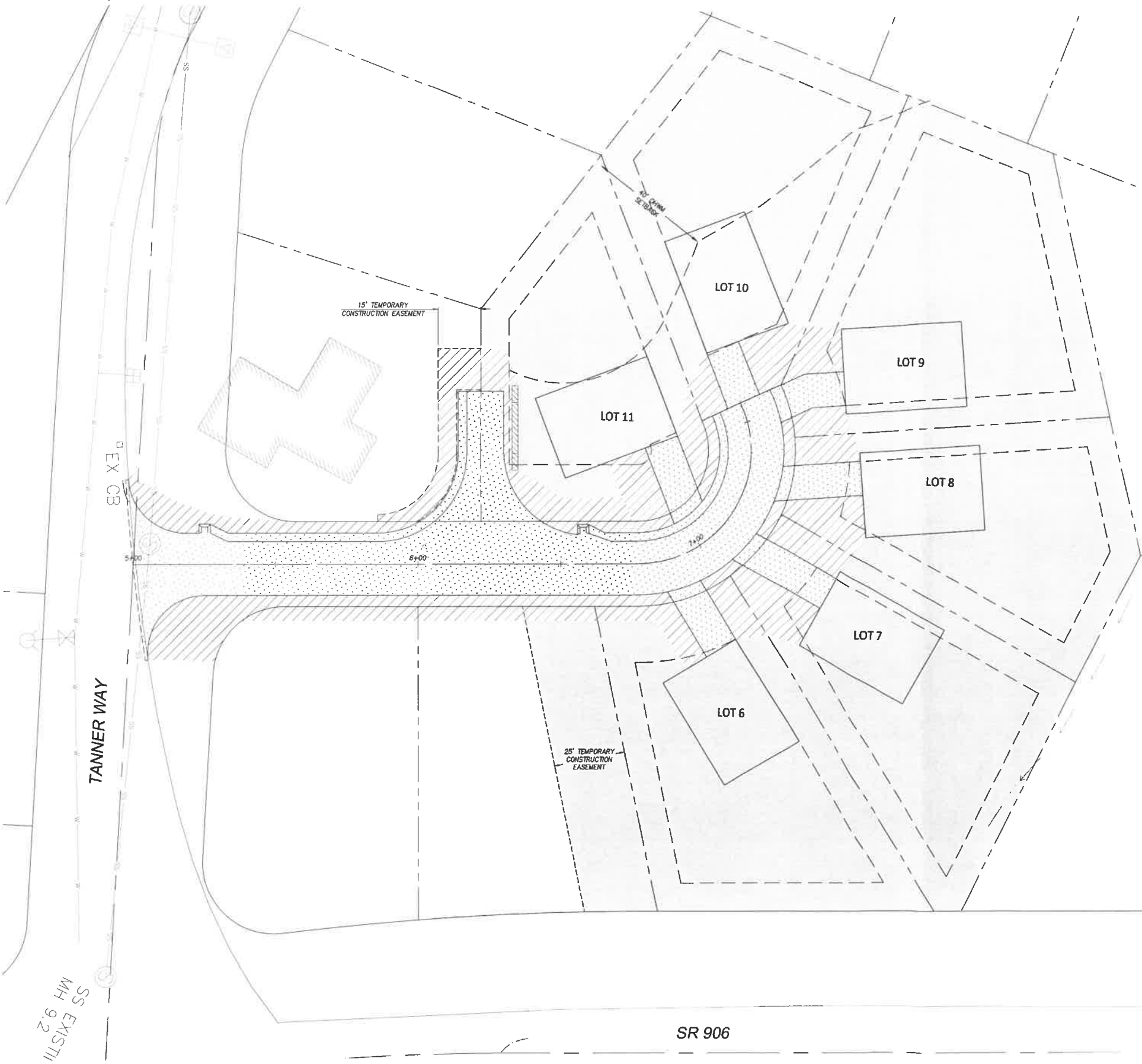


SKI ACRES ESTATES LOTS 6-11

SW 1/4 OF SE 1/4 OF SECTION 9, T. 22 N., R. 11 E., W.M.
KITITAS COUNTY, STATE OF WASHINGTON



0 5 10 20
SCALE 1" = 20'



LEGEND

- SNOW REMAINS IN-PLACE
- SNOW STORAGE AREA
- PLOWED AREA

SNOW REMOVAL CALCULATIONS

WEST WASHINGTON PAVED SNOW DEPTH REPORT DATA WAS USED TO DETERMINE THE AVERAGE DEPTH OF SNOWPAC ON THE ROADWAY DURING THE WINTER MONTHS OF THE WINTER (TYPICALLY FEBRUARY OR MARCH) AT WASHINGTON PAVED. THE CALCULATION TOOK THE COVER AREA OF THE ROADWAY AND ADJUSTED THESE VALUES FOR ROADWAY FROM 1990-2010. THIS FIGURE REPRESENTS THE AVERAGE DEPTH OF SNOW THE SITE WOULD EXPERIENCE DURING THE WINTER MONTHS OF THE WINTER.

AVERAGE SNOW DEPTH DURING HIGHEST SNOW MONTHS =	20.1" (L.A.S.)
PROPOSED ROAD & DRIVEWAY SNOW PLOWED AREA =	8,000 SF (L.A.S.)
SNOW DEPTH IN ROAD & DRIVEWAY =	20.1" (L.A.S.)
VOL. REQUIRED TO STORE SNOW FROM ROAD & DRIVEWAY AREAS =	161,140 CF
SNOW STORAGE AREA =	7,487 SF
VOL. OF SN-PLACE SNOW IN SNOW STORAGE AREA (SNL ³) =	150,853 CF
VOL. OF TOTAL SNOW IN STORAGE AREA =	312,000 CF
SNOW DEPTH IN SNOW STORAGE AREA REQUIRED =	41.74"

REVISIONS	DESCRIPTION	REVISED PER	COUNTY COMMENTS	BY	DATE
				ID	03/08/2022



03/08/2022

SKI ACRES ESTATES LOTS 6-11
SNOPASS SF LOFTS LLC
SNOW STORAGE PLAN

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JOB NO.	20264
DATE	03/08/2022
SCALE	1" = 30'
DESIGNED	IWD
DRAWN	TNF
CHECKED	CP
APPROVED	CP
SHEET	10