# KNOPF RESIDENCE HILLSIDE IMPROVEMENTS Mercer Island, WA.

PERMIT SET AUGUST 21, 2019



ADDRESS: 9507 SE 43rd STREET, MERCER ISLAND, WA. 98040











# LEGAL DESCRIPTION

SW  $\frac{1}{4}$  OF NE QUARTER OF SECTION 18T 24N R 05 E W.M. PARCEL NO'S; 0046100014, 1824059125, 1824059135, 0046100011 & 004610TRCT

## SHEET INDEX:

G1	COVER	SHEET,	VICINITY	MAP	AND	DRAWING	INDEX
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CIVIL GENERAL NOTES

TEMPORARY EROSION AND SEDIMENT CONTROL DETAILS

TEMPORARY EROSION AND SEDIMENT CONTROL PLAN

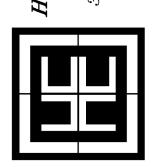
POST-SLIDE REFERENCE TOPOGRAPHIC PLAN

HILLSIDE IMPROVEMENTS PLAN

HILLSIDE IMPROVEMENTS DETAILS

HILLSIDE IMPROVEMENTS DETAILS







KNOPF RESIDENCE 9507 SE 43rd Street MERCER ISLAND WA. 98040

19023.00 JOB NO.

8.21.19 DWG.#

G1

### **CIVIL GENERAL NOTES:**

- 1. SITE ADDRESS: 9507 SE 43<sup>rd</sup> STREET MERCER ISLAND WA 98040
- 2. ELEVATIONS ARE IN FEET AND ARE REFERRED TO NAVD88
- 3. OWNER WILL OBTAIN AND PAY FOR FEDERAL AND LOCAL ENVIRONMENTAL AND CONSTRUCTION PERMITS. ALL OTHER PERMITS WHICH MAY BE REQUIRED SHALL BE OBTAINED AND PAID FOR BY THE CONTRACTOR, WHO SHALL COMPLY WITH ALL CONDITIONS OF THESE PERMITS.
- 4. MATERIALS AND INSTALLATION SHALL COMPLY WITH INTERNATIONAL BUILDING CODE, 2015 EDITION, WITH CURRENT LOCAL AMENDMENTS, AND ALL OTHER APPLICABLE CODES, RULES AND REGULATIONS.
- 5. THE GEOTECHNICAL REPORTS ARE DATED JANUARY 13, 2016 AND JANUARY 4, 2019 BY PANGEO. THE CONTRACTOR SHALL THOROUGHLY FAMILIARIZE ITSELF WITH THE CONTENTS THEREOF AND ALL EARTHWORK SHALL BE PERFORMED IN STRICT COMPLIANCE WITH THE RECOMMENDATIONS OF THESE REPORTS.
- 6. CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS AT THE SITE AND SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES BEFORE STARTING WORK.
- 7. EXISTING UTILITY LINES IN SERVICE OR OTHER SITE FEATURES WHICH ARE DAMAGED DUE TO THE CONTRACTOR'S ACTIONS SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE AND SHALL BE INSPECTED AND ACCEPTED BY THE ENGINEER.
- 8. COORDINATE AND ARRANGE FOR ALL UTILITY SERVICE INTERRUPTIONS WITH APPROPRIATE UTILITY AND WITH OWNER.
- 9. ALL DISTURBED AREAS OTHER THAN SPECIFIED CONTRACT WORK AREAS SHALL BE RETURNED TO THEIR PRECONSTRUCTION CONDITION PRIOR TO CONTRACT COMPLETION AND ACCEPTANCE.
- 10. THIS PROJECT IS NOT A BALANCED EARTHWORK PROJECT. BOTH IMPORT AND EXPORT OF SOIL AND ROCK MATERIALS WILL BE REQUIRED.
- 11. CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY EROSION AND SEDIMENT CONTROL FACILITIES AS REQUIRED TO PREVENT EROSION AND TO INSURE THAT SEDIMENT-LADEN WATER DOES NOT ENTER THE NATURAL OR PUBLIC DRAINAGE SYSTEM OR ADJACENT WATERS.
- 12. SURVEY INFORMATION AND UNDERGROUND UTILITY LOCATIONS USED IN THE PREPARATION OF THESE DRAWINGS WERE FURNISHED BY OTHERS. HARBOR CONSULTING ENGINEERS DOES NOT ASSUME RESPONSIBILITY FOR THEIR COMPLETENESS OR ACCURACY. LOCATIONS OF EXISTING UTILITIES SHOULD BE CONSIDERED APPROXIMATE ONLY AND NOT NECESSARILY COMPLETE. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO INDEPENDENTLY VERIFY THE ACCURACY OF THESE LOCATIONS AND TO FURTHER DISCOVER AND AVOID ANY OTHER UTILITIES WHICH MAY BE AFFECTED BY ITS WORK.
- 13. COPIES OF ALL ENVIRONMENTAL PERMITS WILL BE FURNISHED TO THE CONTRACTOR, WHO SHALL COMPLY WITH ALL CONDITIONS OF THESE PERMITS.
- 14. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE OF SAFE WORKING CONDITIONS AND SHALL INSTALL AND MAINTAIN SHORING AND BRACING NECESSARY TO PROTECT WORKERS, EXISTING STRUCTURES, UTILITIES AND OTHER IMPROVEMENTS AND EXCAVATIONS AGAINST LOSS OF GROUND OR CAVING EMBANKMENTS. CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR REMOVAL OF SHORING AND BRACING AS REQUIRED.
- 15. THE OWNER'S PREMISES WILL BE OCCUPIED AND IN SERVICE DURING PROGESS OF THE WORK. CONTRACTOR SHALL MINIMIZE THE EFFECTS OF ITS WORK ON NORMAL ACTIVITIES ADJACENT TO THE PROJECT SITE AND SHALL COORDINATE ALL SCHEDULES AND WORK WITH THE OWNER.
- 16. CONSTRUCTION DEBRIS SHALL NOT BE STORED OR BURNED ON SITE. DEBRIS SHALL BE REMOVED DAILY AND SHALL NOT BE ALLOWED TO ENTER THE WATER.
- 17. ALL APPROVED DEVIATIONS FROM THESE PLANS SHALL BE RECORDED ON A SET OF "AS-BUILT" DRAWINGS, SUBMITTED TO THE OWNER'S REPRESENTATIVE AS THE PROJECT PROGRESSES AND SHALL BE SUMMARIZED ON ONE FULL-SIZE SET OF AS-BUILT REPRODUCIBLE DRAWINGS PRIOR TO PROJECT COMPLETION AND ACCEPTANCE.
- 18. A COPY OF THESE APPROVED PLANS MUST BE ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS.

		(111	SYMD		E <b>GEND</b> I BE USED ON THE DR	) A \A/1 N	(c)		
SYMBOL DESCRIPTION_				SYMBOL_	DESCRIPTION_	SYMBOL		DESCRIPTION	
1.		FIRE HYDRANT	18.		INDICATES OBSERVED	32.	30" SD	STORM DRAIN LINE	
2.	$\Box$	WATER METER			GROUNDWATER SEEPAGE IN 2017.	33	CC	WITH SIZE  SANITARY SEWER	
3.	$\bowtie$	WATER VALVE W/ VALVE BOX	19.	СВ	INDICATES EXISTING CATCH BASIN.			LINE	
4.	$\bigcirc$	WATER MANHOLE	20.	C#	INDICATES EXISTING	34.	6" SS	SANITARY SEWER LINE WITH SIZE	
5.	MW 	MONITORING WELL			CULVERT WITH IDENTIFYING NUMBER BELOW DRIVEWAY.	35.		GAS MAIN	
6.	ELEC	ELECTRICAL UTILITY HATCH	21.	#	INDICATES TECCO	36.		TREE	
7.	Р	POWER VAULT		"	MESH INSTALLED ON SLOPES GREATER	37.	+12.94	EXISTING SPOT ELEVATIONS	
8.	$\bowtie$	LIGHT POLE	22.		THAN 60%.  EXISTING FEATURES	38.	+12.94	PROPOSED SPOT ELEVATIONS	
9.	<del></del>	GUY WIRE AND ANCHOR	23.		PROPOSED FEATURES	39.	<b>&gt;</b>	SWALE	
10.		CATCH BASIN	24.		PROPERTY LINE	40.		INDICATES: C.O.M.I.	
11.	G∨ 	GAS VALVE	25.	——T——	TELEPHONE CONDUIT			MAPPED TYPE 2 PERENNIAL WATER COURSE.	
12.	0	GAS METER	26.	<u> </u>	BUILDING	41.		INDICATES: R.W.	
13.	$\bigcirc$	TELEPHONE MANHOLE	27.	•——×———	FENCE	' ' '		THORPE 2006 SURVEYED TYPE 2	
14.	Д	SIGN POST	28.	—— F ——	FIRE PROTECTION			PERENNIAL WATER COURSE.	
15.		CONTROL POINT	29.	w	WATER MAIN				
16.	4	INDICATES EXISTING ASPHALT PAVING.	30.	—Е——Е—	UNDERGROUND ELECTRICAL LINE				
17.	PL	INDICATES PROPERTY LINE BOUNDARY.	31.		STORM DRAIN LINE				

SCALE:	STN		CHK BY:	SF	DRW BY:	F	J -	L	 
REVISED	DESCRIPTION								
	DATE								
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VERIFY SCALE

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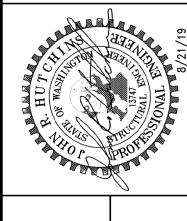
SCALES ACCORDINGLY

BAR IS ONE INCH

ON ORIGINAL DRAWING

HARBOR CONSULTING ENGINI ENCINEERS · PLANNERS · SURVEYO 3316 FUHRMAN AVENUE EAST, SUITE SEATTLE WASHINGTON 98102 PHONE: (206) 709-2397





KNOPF RESIDENCE 9507 SE 43rd Street MERCER ISLAND WA. 98040 NOTE GENERAL

19023.00 JOB NO. 8.21.19 DATE:

SHEET: DWG.#

Know what's below.

Call before you dig.

**2** of C1

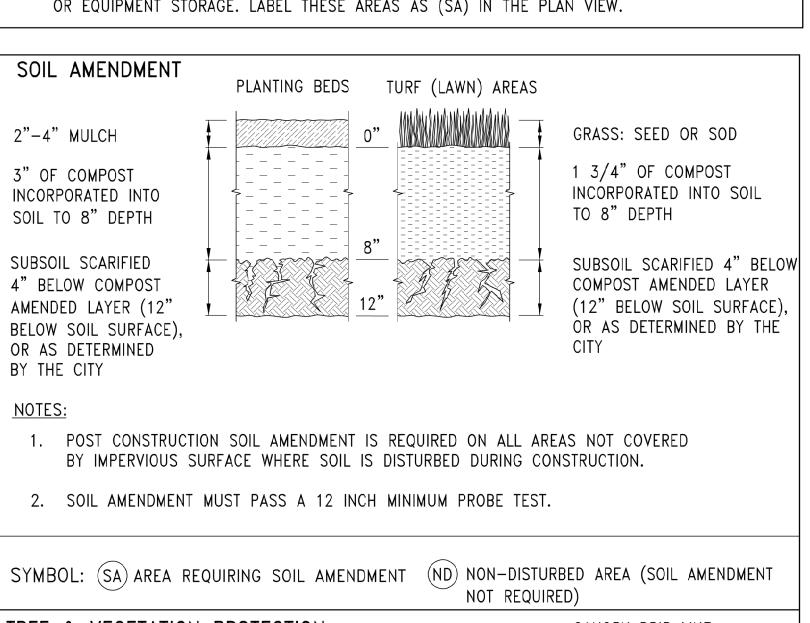
#### POST CONSTRUCTION SOIL MANAGEMENT PLAN

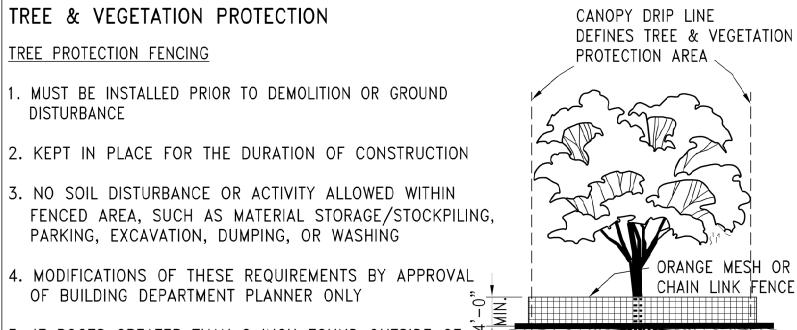
AT THE END OF PROJECT, ALL AREAS DISTURBED AND NOT COVERED WITH A HARD SURFACE MUST BE AMENDED PER THE SOIL AMENDMENT DETAIL BELOW AND PROBED TO 12-INCHES AT THE SITE FINAL INSPECTION.

- > LABEL ALL AREAS DISTURBED AND NOT COVERED WITH A HARD SURFACE WITHIN THE SITE AS ONE OF THE FOLLOWING: SA (SOIL AMENDMENT AREA) or ND (NON-DISTURBED AREA). SEE DEFINITIONS BELOW.
- > AN ESTIMATE OF THE VOLUME OF COMPOST REQUIRED IS AUTOMATICALLY CALCULATED ON THE SITE AND DRAINAGE CONTROL SUMMARY SHEET REQUIRED ON THE DRAINAGE AND WASTEWATER CONTROL PLAN (DWC PLAN). THE ACTUAL VOLUME OF COMPOST REQUIRED WILL BE DETERMINED IN THE FIELD.

#### **DEFINITIONS:**

- NON-DISTURBED AREA: VEGETATED AREAS THAT WILL NOT BE SUBJECT TO LAND DISTURBING ACTIVITY DO NOT REQUIRE SOIL AMENDMENT IF THEY ARE FENCED AND CONTINUOUSLY PROTECTED THROUGHOUT CONSTRUCTION. THE FENCING MUST BE IN PLACE AT THE FIRST GROUND DISTURBANCE INSPECTION. THIS WILL BE MONITORED BY THE BUILDING DEPARTMENT SITE INSPECTOR. NO DISTURBANCE, INCLUDING VEHICLE TRAFFIC OR MATERIAL STORAGE, IS ALLOWED IN THESE AREAS UNTIL FINAL INSPECTION, LABEL THESE AREAS AS (ND) IN THE PLAN
- SOIL AMENDMENT AREA (SA): VEGETATED OR COMPOST AREAS (TURF AND LANDSCAPE) MUST BE AMENDED PER THE SOIL AMENDMENT DETAIL AND THE SUBSOIL MUST BE LOOSENED SO IT WILL PROBE TO A DEPTH OF 12 INCHES PRIOR TO SITE FINAL INSPECTION. THIS INCLUDES AREAS IMPACTED BY CLEARING AND GRADING, STOCKPILING, SITE ACCESS, PATHWAYS AND MATERIALS OR EQUIPMENT STORAGE. LABEL THESE AREAS AS (SA) IN THE PLAN VIEW.





5. IF ROOTS GREATER THAN 2 INCH FOUND OUTSIDE OF  $^{ extstyle d}$ FENCING, PROTECT BY HAND EXCAVATION AND, IF NECESSARY, CUT CLEANLY AND KEEP MOIST

6. USE 3 INCHES OR DEEPER WOOD CHIP MULCH OUTSIDE FENCED AREAS TO PROTECT FEEDER ROOTS

#### VEGETATION PROTECTION

I. MINIMIZE CONSTRUCTION ZONE

2. PROTECT VEGETATION OUTSIDE CONSTRUCTION ZONE WITH FENCING AS SHOWN

3. USE 3 INCHES OR DEEPER WOOD CHIP MULCH OUTSIDE FENCED AREAS TO PROTECT FEEDER ROOTS

**←** (VEG) → SYMBOL:

LINK TO MORE TREE PROTECTION INFORMATION:

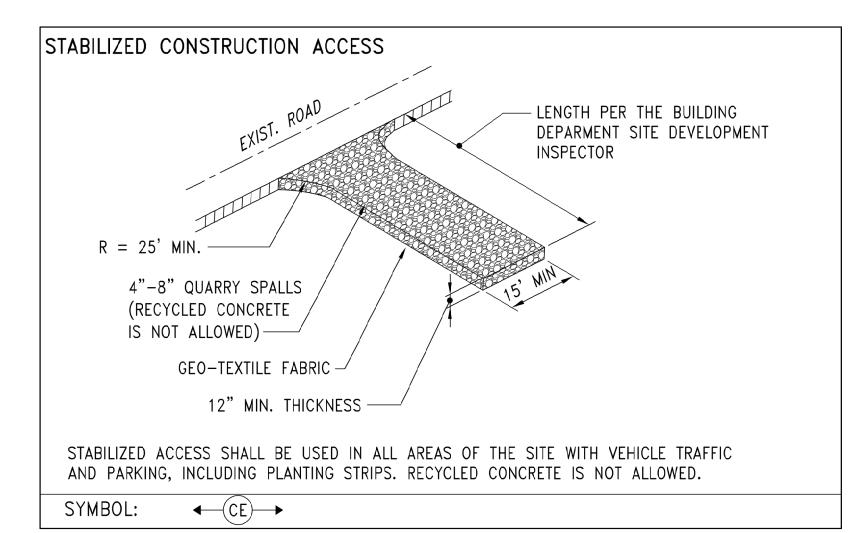
TREE & VEGETATION FENCING

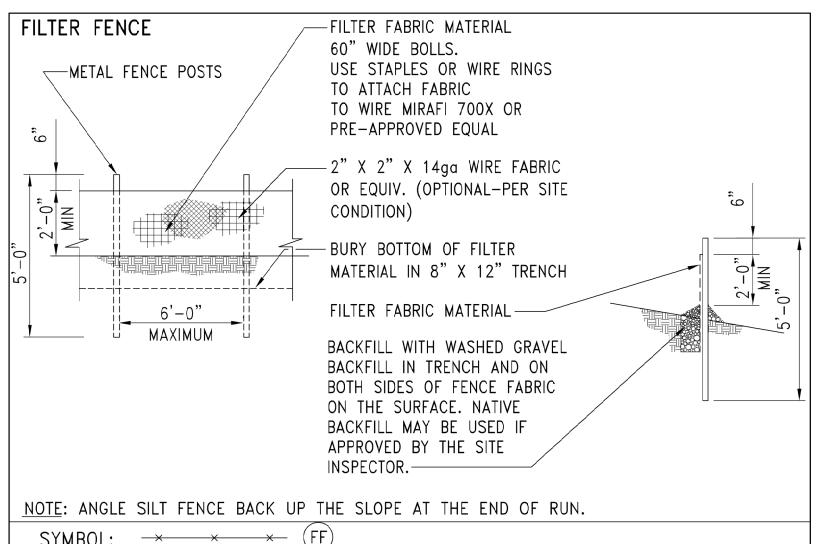
AROUND ENTIRE DRIP LINE ON

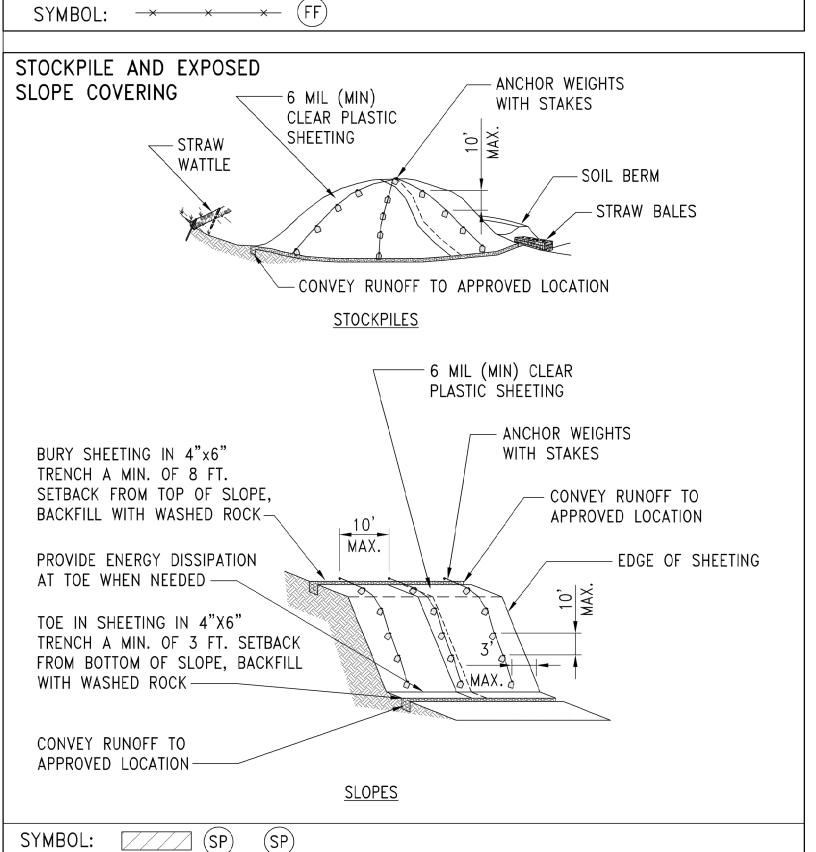
PERMIT SITE. ALTERNATIVE TREE

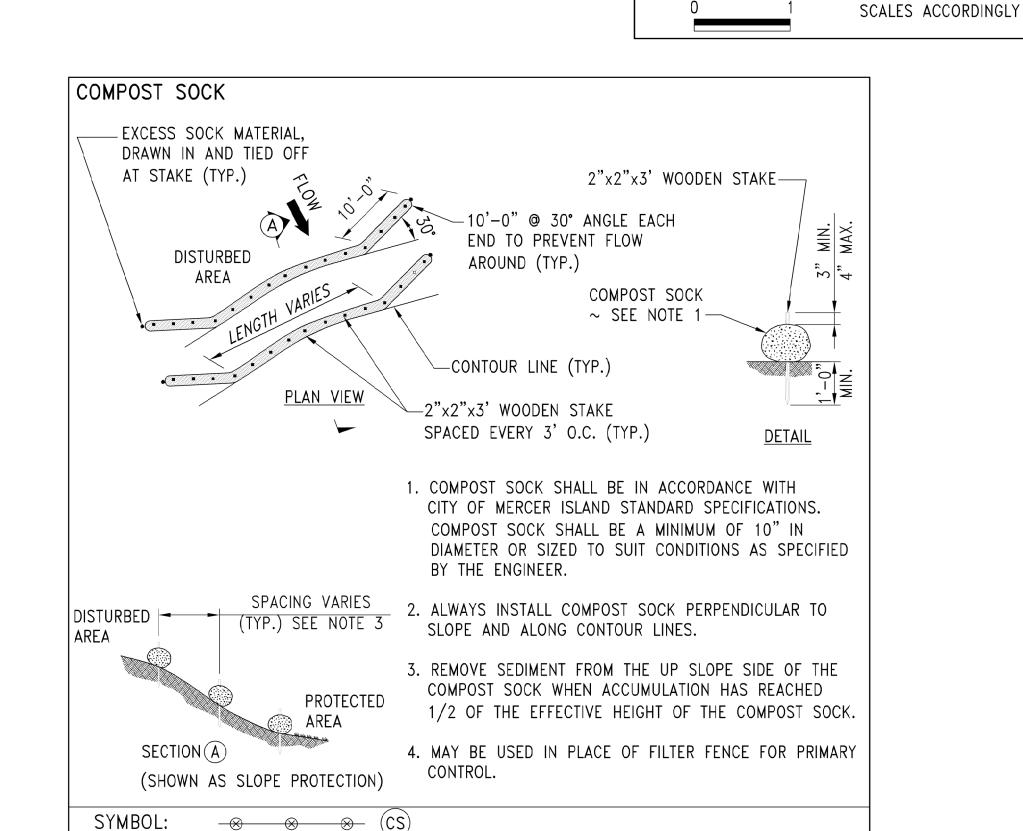
CITY, AS SHOWN ON SITE PLAN

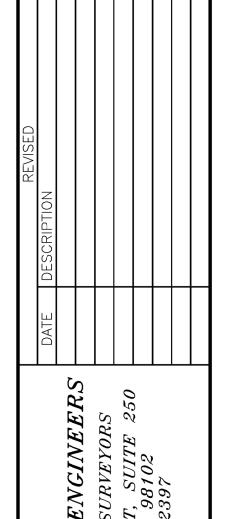
PROTECTION, IF APPROVED BY









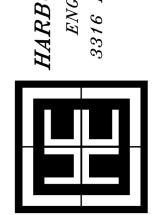


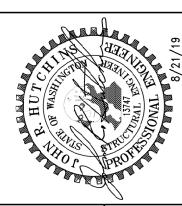
VERIFY SCALE

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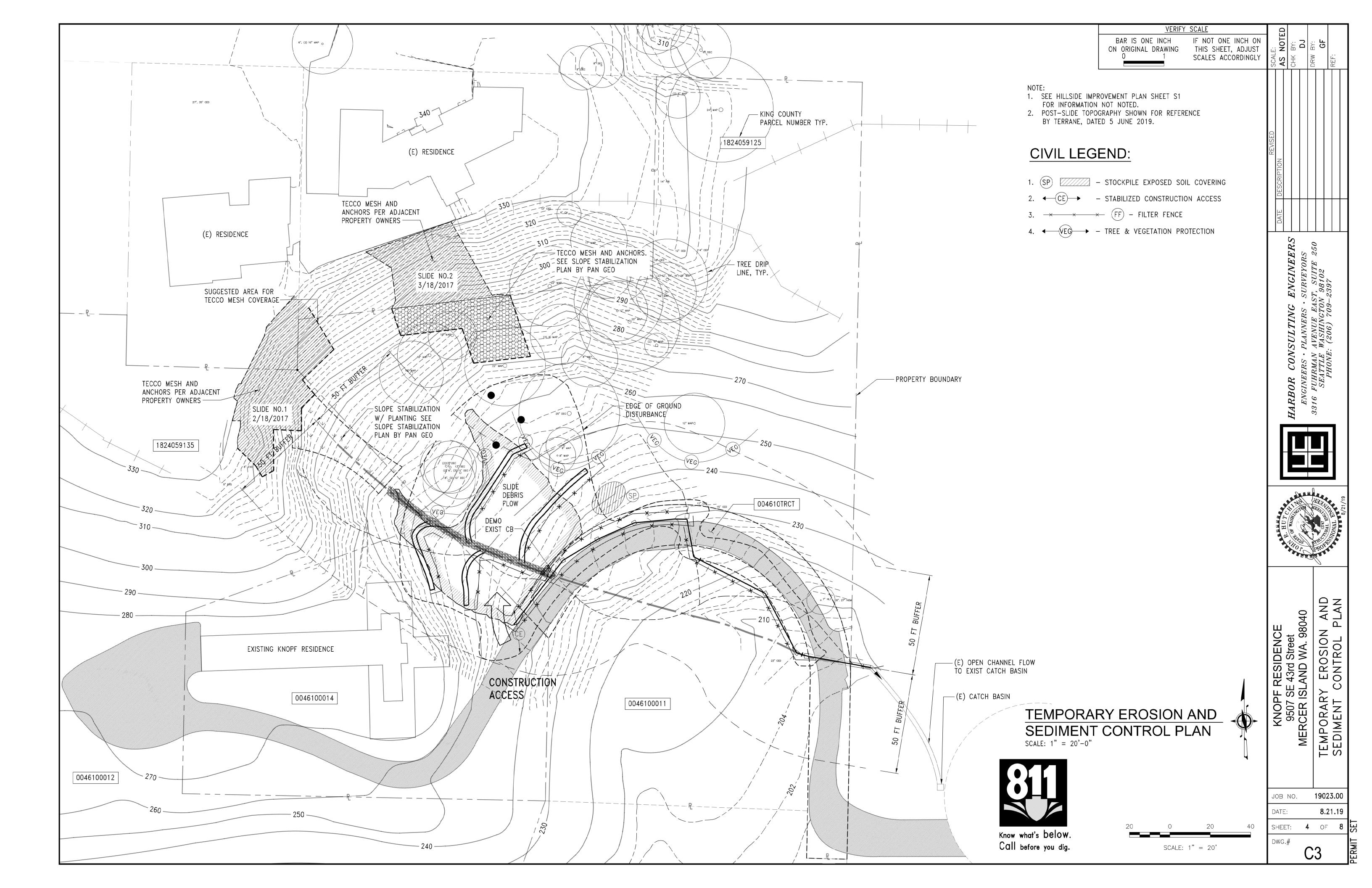
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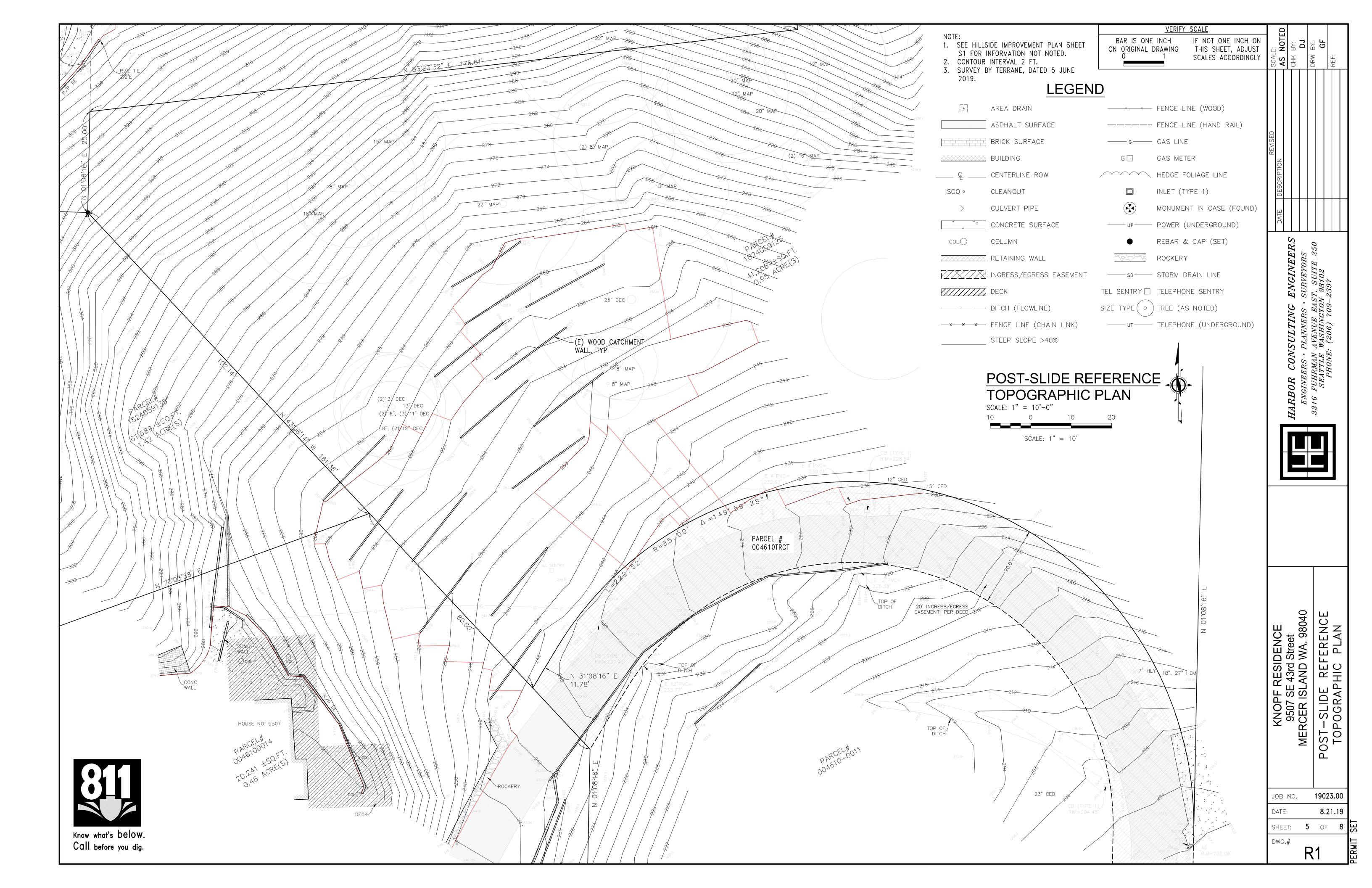
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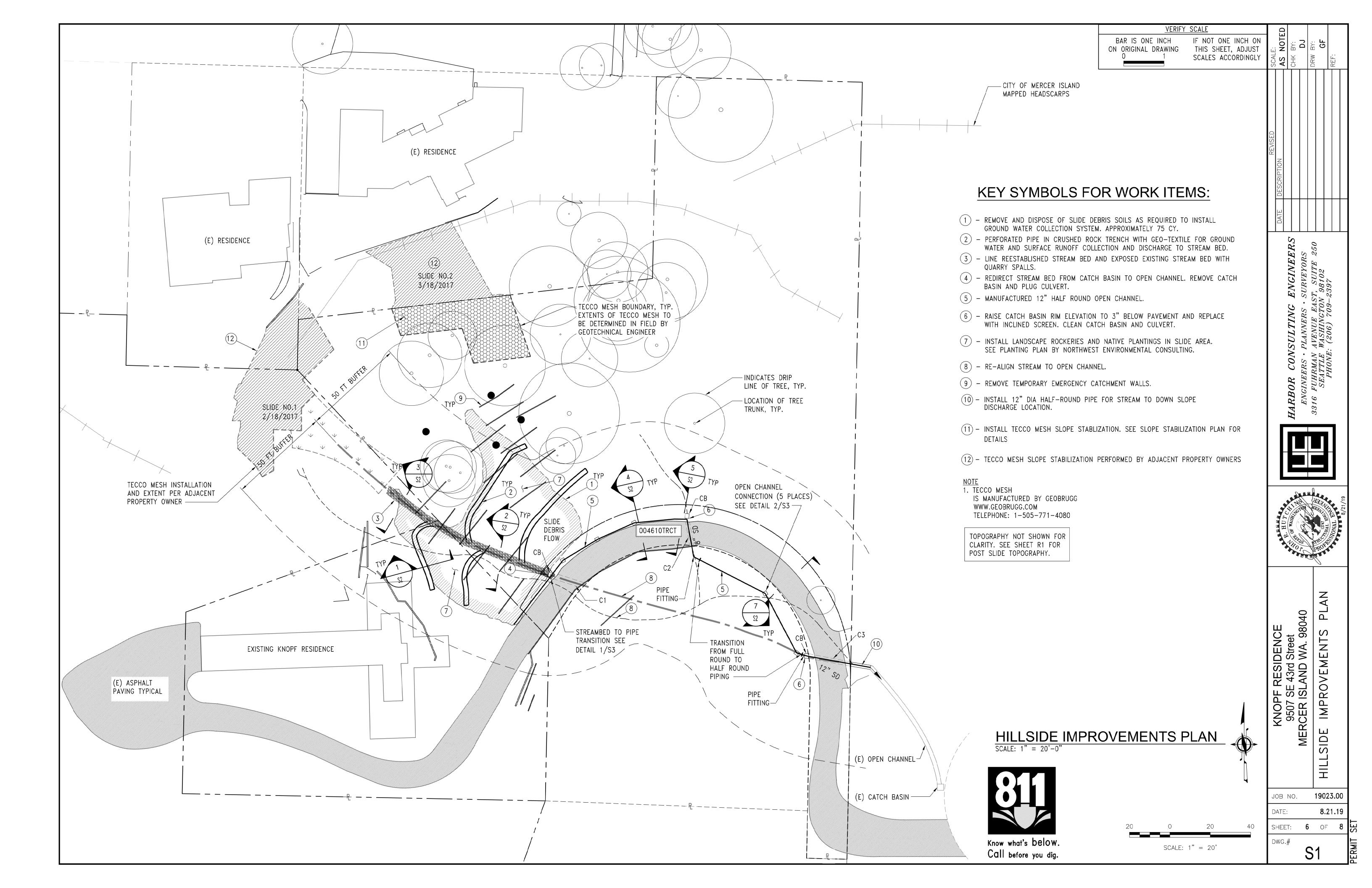
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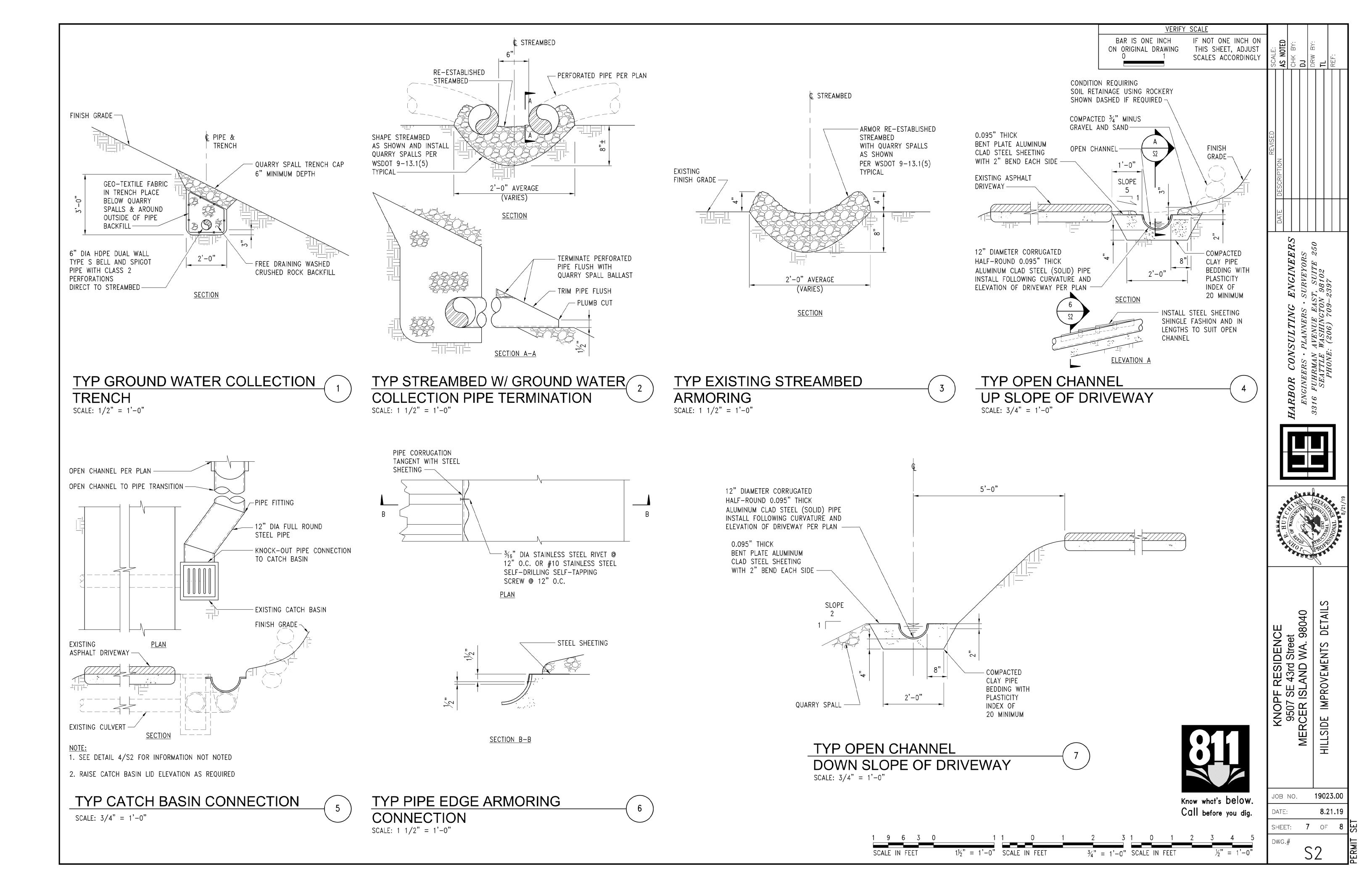
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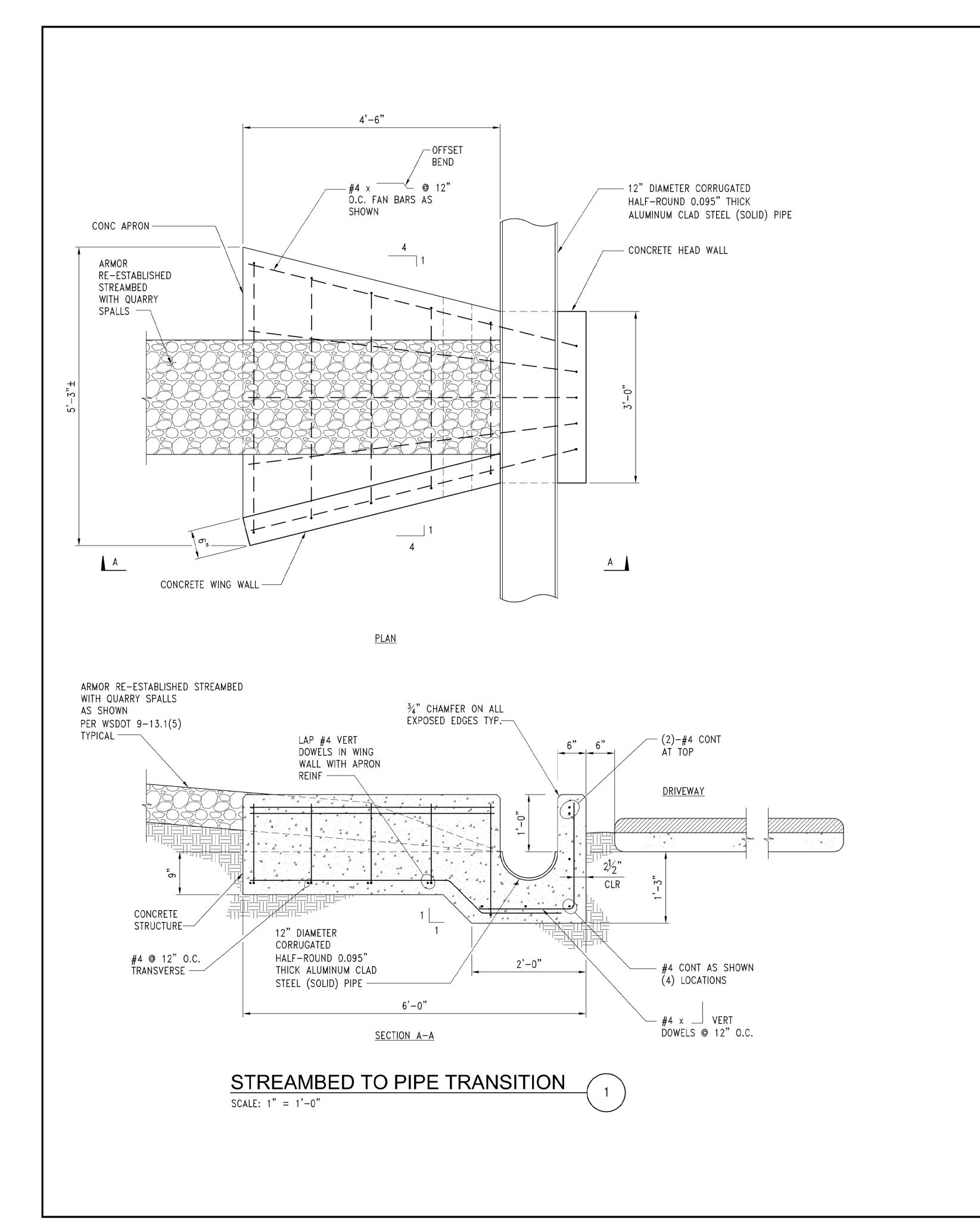
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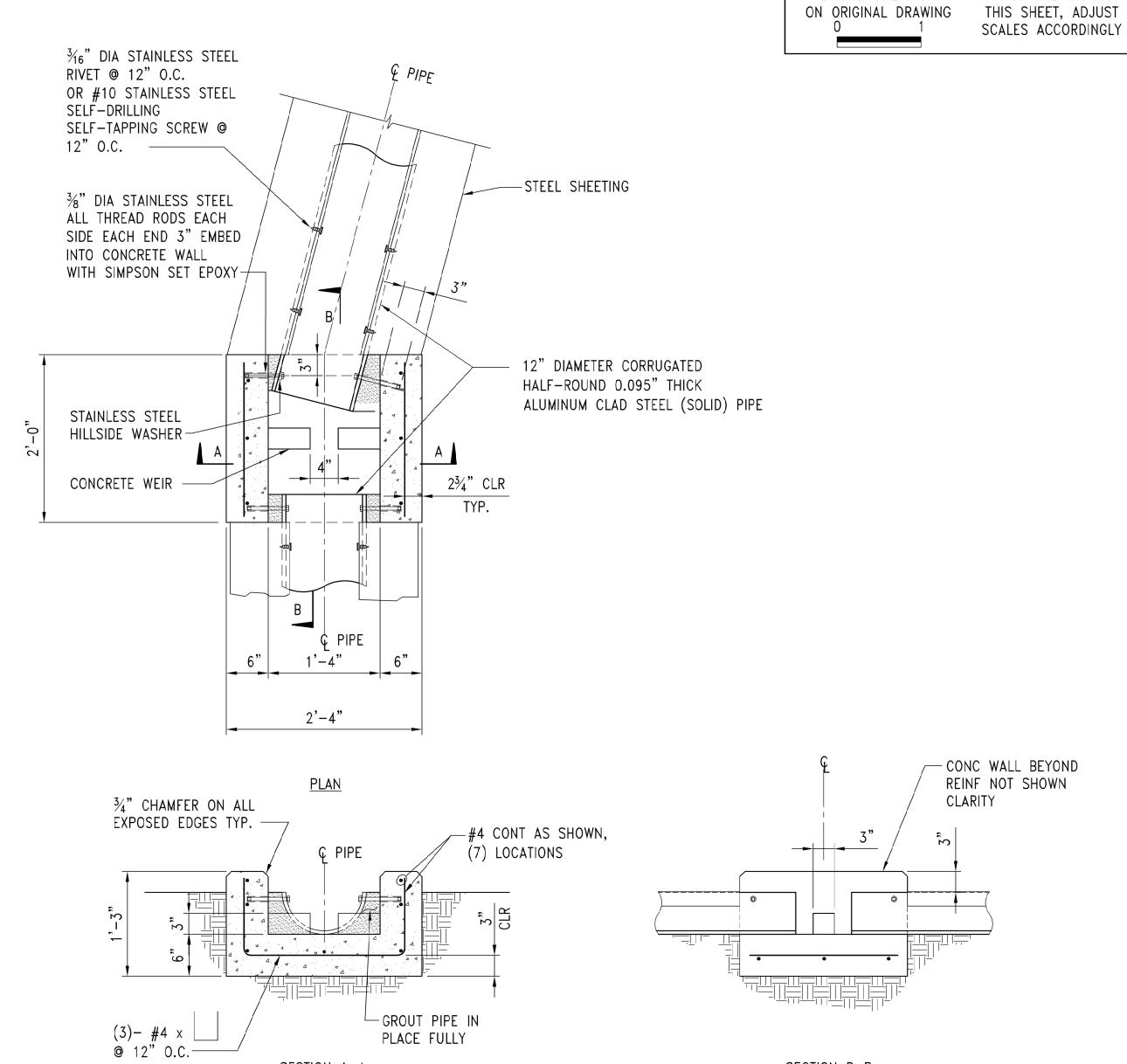












TYP. OPEN CHANNEL CONNECTION

SCALE: 1" = 1'-0"

2

SECTION A-A



Know what's below.

1 0 1 2

SCALE IN FEET 1" = 1'-0"

SECTION B-B

VERIFY SCALE

IF NOT ONE INCH ON

AS NOTED
CHK BY:
DJ
DRW BY:
TL

BAR IS ONE INCH

JOB NO. 19023.00

DATE: 8.21.19

SHEET: 8 OF 8

KNOPF RESIDENCE 9507 SE 43rd Street MERCER ISLAND WA. 98040

DATE: 8.21.1

SHEET: 8 OF

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DETAILS

**IMPROVEMENTS** 

HILLSIDE