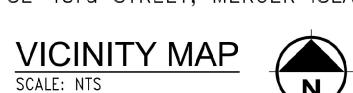
KNOPF RESIDENCE HILLSIDE IMPROVEMENTS Mercer Island, WA.



PERMIT SET AUGUST 22, 2019



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S; 0046100014, 1824059125, 1824059135, & 004610TRCT TINDEX: COVER SHEET, VICINITY MAP & DRAWING INDEX POST-SLIDE REFERENCE TOPOGRAPHIC PLAN CIVIL GENERAL NOTES TEMPORARY EROSION & SEDIMENT CONTROL NOTES & DETAILS TEMPORARY EROSION & SEDIMENT CONTROL PLAN HILLSIDE IMPROVEMENTS PLAN HILLSIDE IMPROVEMENTS DETAILS HILLSIDE IMPROVEMENTS DETAILS			9507		MERCER ISLAND WA. 98040		COVER	VICINITY MAP & DPAWING		
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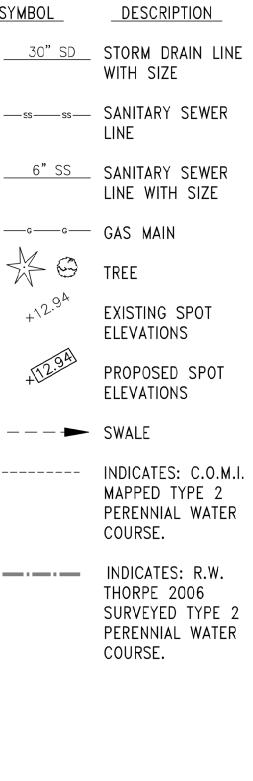
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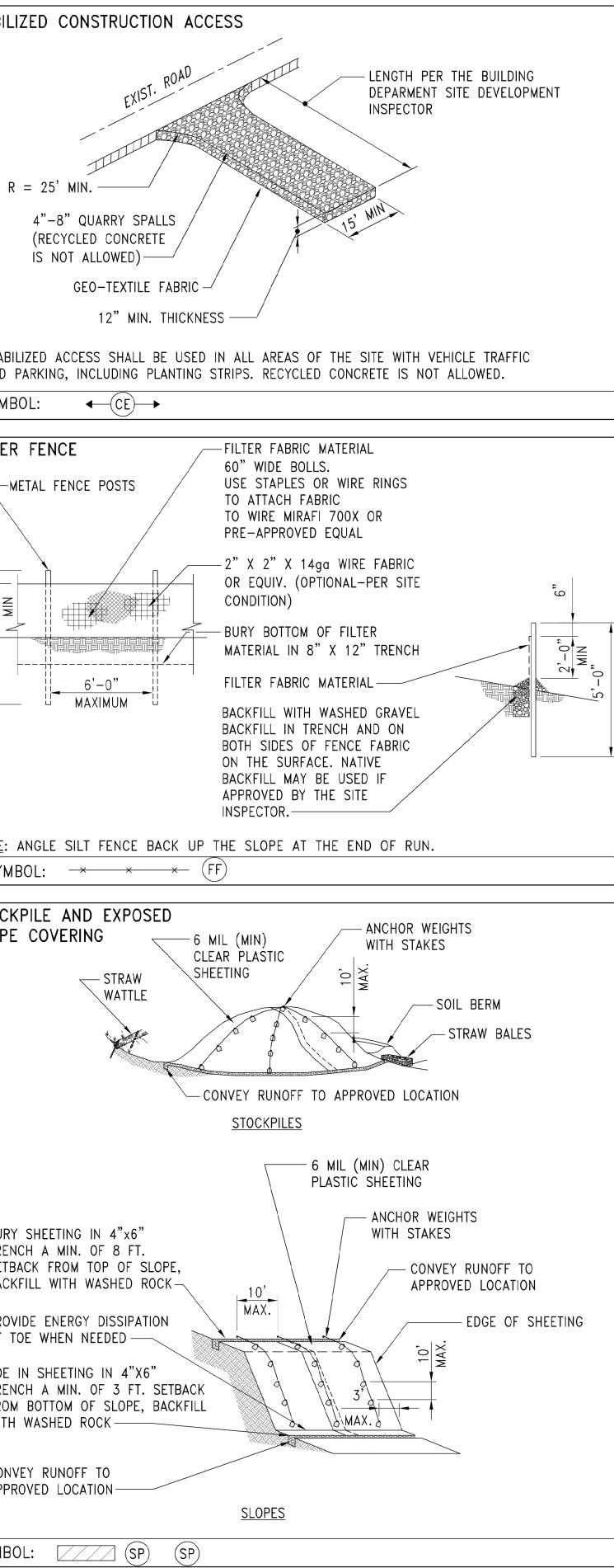
- 1. SITE ADDRESS: 9507 SE 43rd STREET MERCER ISLAND WA 98040
- 2. ELEVATIONS ARE IN FEET AND ARE REFERRED TO NAVD88
- 3. OWNER WILL OBTAIN AND PAY FOR FEDERAL AND LOCAL ENVIRONMENTAL AND CONSTRUCTION PERMITS. ALL OTHER PERMITS WHICH MAY BE REQUIRED SHALL BE OBTAINED AND PAID FOR BY THE CONTRACTOR, WHO 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.

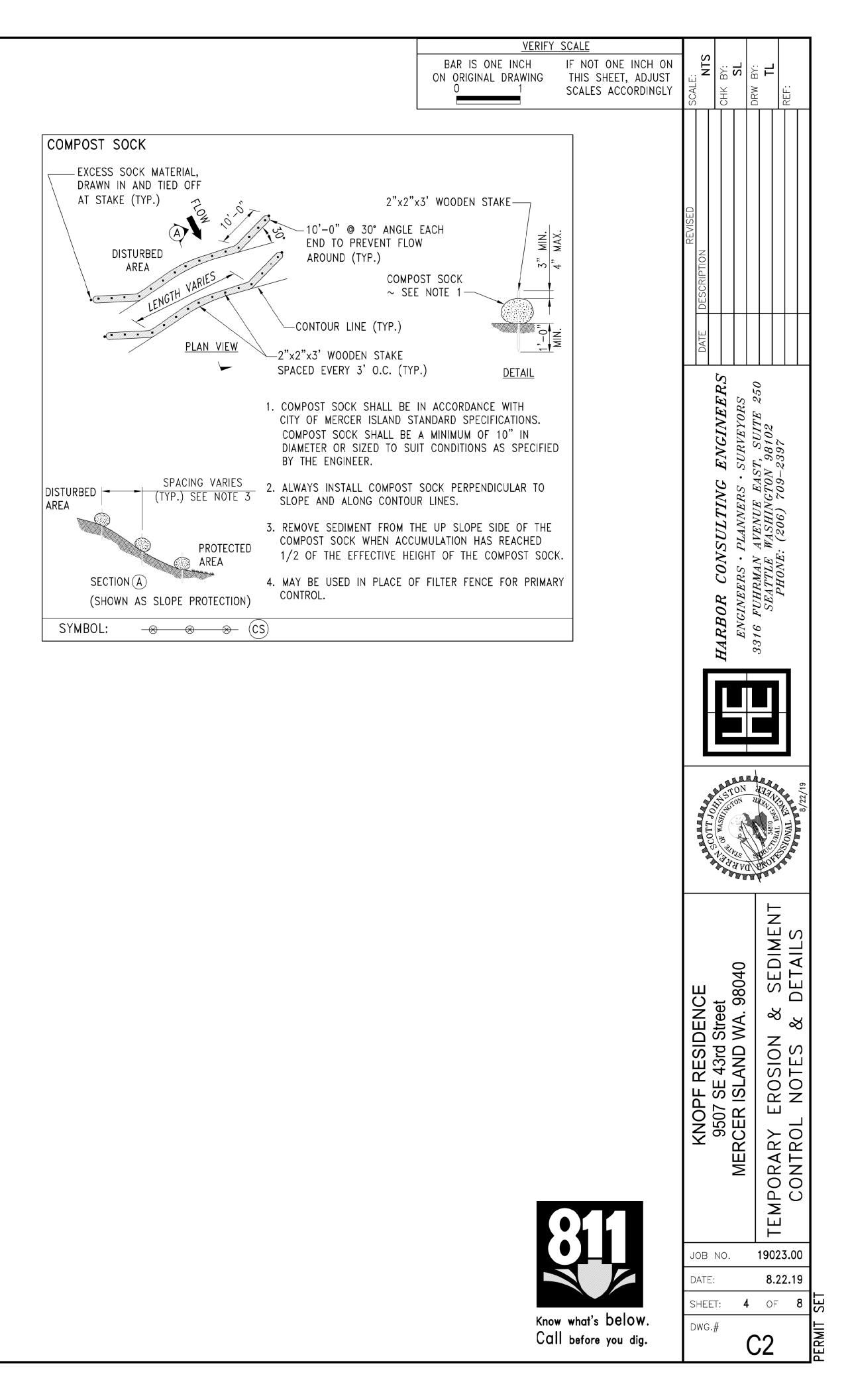
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2.	\square	WATER METER			GROUNDWATER SEEPAGE IN 2017.	77
3.	\bowtie	WATER VALVE W/ VALVE BOX	19.	CB	INDICATES EXISTING CATCH BASIN.	33. — 34. —
4.	\bigcirc	WATER MANHOLE	20.	C#	INDICATES EXISTING CULVERT WITH	54
5.	MW O	MONITORING WELL			IDENTIFYING NUMBER BELOW DRIVEWAY.	35. —
6.	ELEC	ELECTRICAL UTILITY HATCH	21.	#	INDICATES TECCO	36. 7
7.	Ρ	POWER VAULT			MESH INSTALLED ON SLOPES GREATER THAN 60%.	37.
8.	\bowtie	LIGHT POLE	22.		EXISTING FEATURES	38.
9.	\longrightarrow	GUY WIRE AND ANCHOR	23.		PROPOSED FEATURES	39. —
10.		CATCH BASIN	24.		PROPERTY LINE	40
11.	GV	GAS VALVE	25.	T	TELEPHONE CONDUIT	
12.	O	GAS METER	26.	<u> /////////</u>	BUILDING	41. —
13.	(T)	TELEPHONE MANHOLE	27.	• <u> </u>	FENCE	41. —
14.		SIGN POST	28.	——— F ———	FIRE PROTECTION	
15.	$\widehat{\blacksquare}$	CONTROL POINT	29.	ww	WATER MAIN	
16.		INDICATES EXISTING ASPHALT PAVING.	30.	εε	UNDERGROUND ELECTRICAL LINE	
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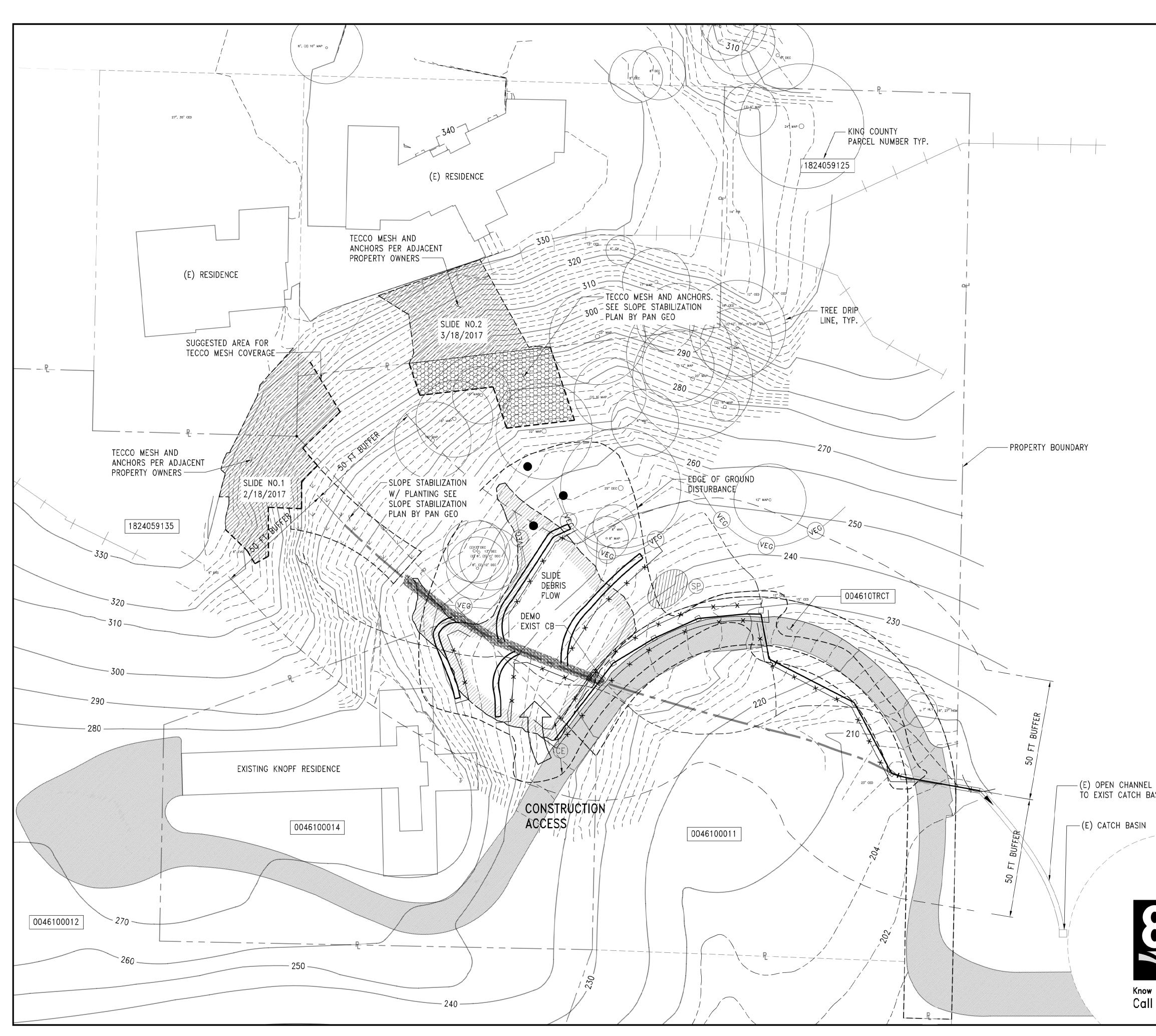
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			HARBOR CONSULTING ENGINEERS ENGINEERS · PLANNERS · SURVEYORS 3316 FUHRMAN AVENUE EAST, SUITE 250 SEATTLE WASHINGTON 98102 PHONE: (206) 709-2397
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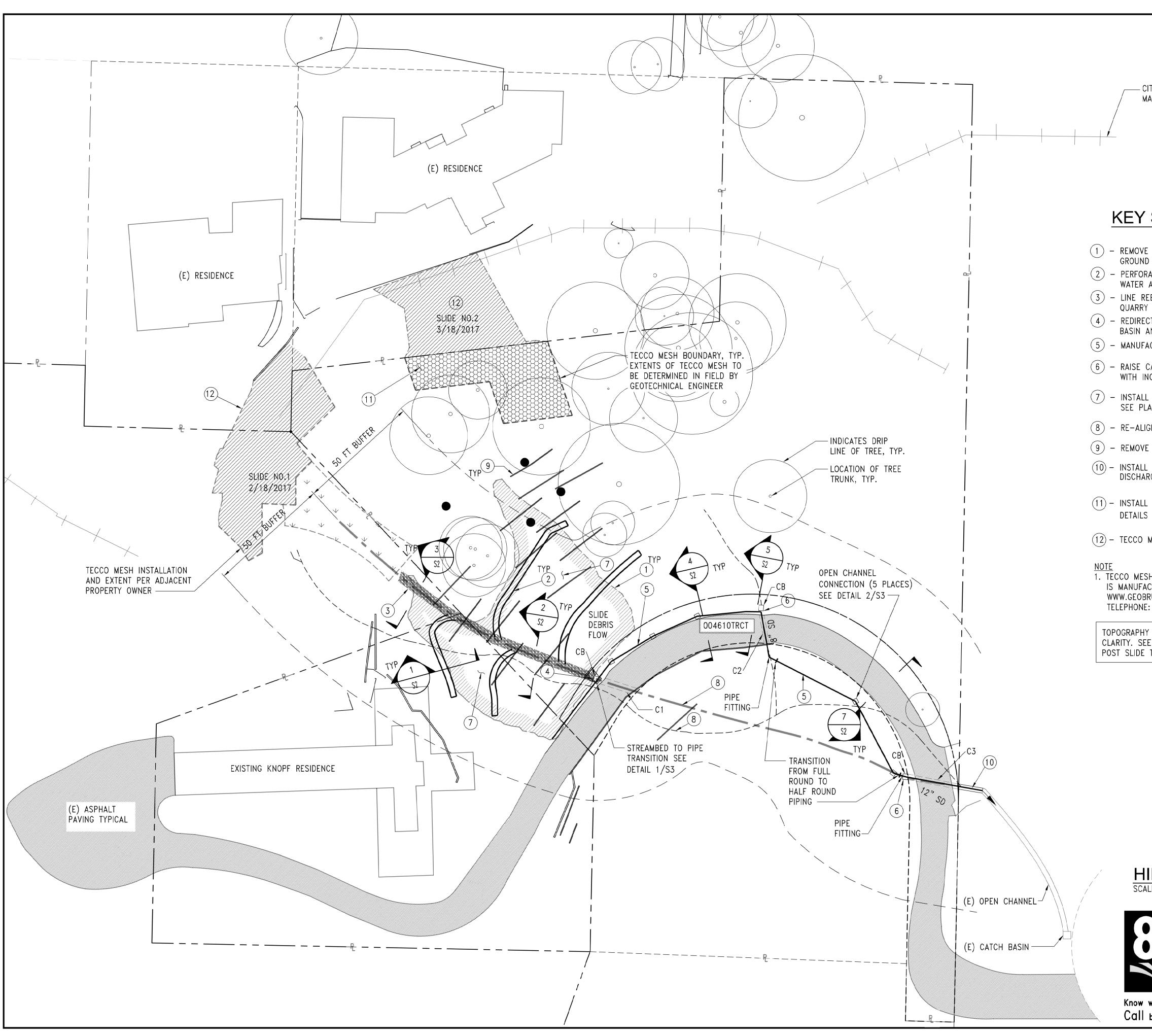
AND	ERED WITH A HARD SURFACE MUST BE D TO 12-INCHES AT THE SITE FINAL
INSPECTION.) TO 12-INCHES AT THE SITE FINAL
LABEL ALL AREAS DISTURBED AND NOT COVERED WITH A HA OF THE FOLLOWING: SA (SOIL AMENDMENT AREA) or ND (NO SEE DEFINITIONS BELOW.	
AN ESTIMATE OF THE VOLUME OF COMPOST REQUIRED IS AU SITE AND DRAINAGE CONTROL SUMMARY SHEET REQUIRED ON CONTROL PLAN (DWC PLAN). THE ACTUAL VOLUME OF COMPO THE FIELD.	I THE DRAINAGE AND WASTEWATER
DEFINITIONS:	
• NON-DISTURBED AREA: VEGETATED AREAS THAT WILL NOT ACTIVITY DO NOT REQUIRE SOIL AMENDMENT IF THEY ARE PROTECTED THROUGHOUT CONSTRUCTION. THE FENCING MUS GROUND DISTURBANCE INSPECTION. THIS WILL BE MONITORE SITE INSPECTOR. NO DISTURBANCE, INCLUDING VEHICLE TRA ALLOWED IN THESE AREAS UNTIL FINAL INSPECTION. LABEL VIEW.	FENCED AND CONTINUOUSLY ST BE IN PLACE AT THE FIRST ED BY THE BUILDING DEPARTMENT AFFIC OR MATERIAL STORAGE, IS
• SOIL AMENDMENT AREA (SA): VEGETATED OR COMPOST ARE AMENDED PER THE SOIL AMENDMENT DETAIL AND THE SUB PROBE TO A DEPTH OF 12 INCHES PRIOR TO SITE FINAL II IMPACTED BY CLEARING AND GRADING, STOCKPILING, SITE A OR EQUIPMENT STORAGE. LABEL THESE AREAS AS (SA) IN	SOIL MUST BE LOOSENED SO IT WILL NSPECTION. THIS INCLUDES AREAS ACCESS, PATHWAYS AND MATERIALS
SOIL AMENDMENT PLANTING BEDS TURF (LAWN) A	DEVE
2"-4" MULCH	GRASS: SEED OR SOD
3" OF COMPOST INCORPORATED INTO SOIL TO 8" DEPTH	1 3/4" OF COMPOST INCORPORATED INTO SOIL TO 8" DEPTH
SUBSOIL SCARIFIED 4" BELOW COMPOST AMENDED LAYER (12" BELOW SOIL SURFACE), OR AS DETERMINED BY THE CITY	SUBSOIL SCARIFIED 4" BELOW COMPOST AMENDED LAYER (12" BELOW SOIL SURFACE), OR AS DETERMINED BY THE CITY
NOTES:	
1. POST CONSTRUCTION SOIL AMENDMENT IS REQUIRED ON A BY IMPERVIOUS SURFACE WHERE SOIL IS DISTURBED DUR	
2. SOIL AMENDMENT MUST PASS A 12 INCH MINIMUM PROBE	E TEST.
	–DISTURBED AREA (SOIL AMENDMENT REQUIRED)
TREE & VEGETATION PROTECTION	CANOPY DRIP LINE DEFINES TREE & VEGETATION
TREE PROTECTION FENCING	PROTECTION AREA
1. MUST BE INSTALLED PRIOR TO DEMOLITION OR GROUND DISTURBANCE	STR STR
2. KEPT IN PLACE FOR THE DURATION OF CONSTRUCTION	
3. NO SOIL DISTURBANCE OR ACTIVITY ALLOWED WITHIN FENCED AREA, SUCH AS MATERIAL STORAGE/STOCKPILING, PARKING, EXCAVATION, DUMPING, OR WASHING	
	ORANGE MESH OR
4. MODIFICATIONS OF THESE REQUIREMENTS BY APPROVAL OF BUILDING DEPARTMENT PLANNER ONLY	CHAIN LINK FENCE
4. MODIFICATIONS OF THESE REQUIREMENTS BY APPROVAL OF BUILDING DEPARTMENT PLANNER ONLY	CHAIN LINK FENCE
 4. MODIFICATIONS OF THESE REQUIREMENTS BY APPROVAL OF BUILDING DEPARTMENT PLANNER ONLY 5. IF ROOTS GREATER THAN 2 INCH FOUND OUTSIDE OF FENCING, PROTECT BY HAND EXCAVATION AND, IF NECESSARY, CUT CLEANLY AND KEEP MOIST 	TREE & VEGETATION FENCING AROUND ENTIRE DRIP LINE ON
 4. MODIFICATIONS OF THESE REQUIREMENTS BY APPROVAL OF BUILDING DEPARTMENT PLANNER ONLY 5. IF ROOTS GREATER THAN 2 INCH FOUND OUTSIDE OF FENCING, PROTECT BY HAND EXCAVATION AND, IF NECESSARY, CUT CLEANLY AND KEEP MOIST 6. USE 3 INCHES OR DEEPER WOOD CHIP MULCH OUTSIDE 	TREE & VEGETATION FENCING AROUND ENTIRE DRIP LINE ON PERMIT SITE. ALTERNATIVE TREE PROTECTION, IF APPROVED BY
 4. MODIFICATIONS OF THESE REQUIREMENTS BY APPROVAL OF BUILDING DEPARTMENT PLANNER ONLY 5. IF ROOTS GREATER THAN 2 INCH FOUND OUTSIDE OF 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 <u>VEGETATION PROTECTION</u> 1. MINIMIZE CONSTRUCTION ZONE 	TREE & VEGETATION FENCING AROUND ENTIRE DRIP LINE ON PERMIT SITE. ALTERNATIVE TREE
 4. MODIFICATIONS OF THESE REQUIREMENTS BY APPROVAL OF BUILDING DEPARTMENT PLANNER ONLY 5. IF ROOTS GREATER THAN 2 INCH FOUND OUTSIDE OF 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 <u>VEGETATION PROTECTION</u> 	TREE & VEGETATION FENCING AROUND ENTIRE DRIP LINE ON PERMIT SITE. ALTERNATIVE TREE PROTECTION, IF APPROVED BY







VERIFY SCALE BAR IS ONE INCH IF NOT ONE INCH ON ON ORIGINAL DRAWING THIS SHEET, ADJUST O 1 SCALES ACCORDINGLY	SCALE: AS NOTED CHK BY: DJ DRW BY: GF REF:
NOTE: 1. SEE HILLSIDE IMPROVEMENT PLAN SHEET S1 FOR INFORMATION NOT NOTED. 2. POST-SLIDE TOPOGRAPHY SHOWN FOR REFERENCE BY TERRANE, DATED 5 JUNE 2019. 1. SP $\square \square \square$	DATE DESCRIPTION
4. ← VEG → - TREE & VEGETATION PROTECTION	HARBOR CONSULTING ENGINEERS HARBOR CONSULTING ENGINEERS ENGINEERS · PLANNERS · SURVEYORS 3316 FUHRMAN AVENUE EAST, SUITE 250 SEATTLE WASHINGTON 98102 PHONE: (206) 709-2397
	B/22/19 B/22/19
FLOW ASIN TEMPORARY EROSION AND SEDIMENT CONTROL PLAN SCALE: 1" = 20'-0"	KNOPF RESIDENCE 9507 SE 43rd Street MERCER ISLAND WA. 98040 TEMPORARY EROSION & SEDIMENT CONTROL PLAN
what's below.	JOB NO. 19023.00 DATE: 8.22.19 SHEET: 5 OF 8
before you dig. SCALE: 1" = 20'	DWG.#



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