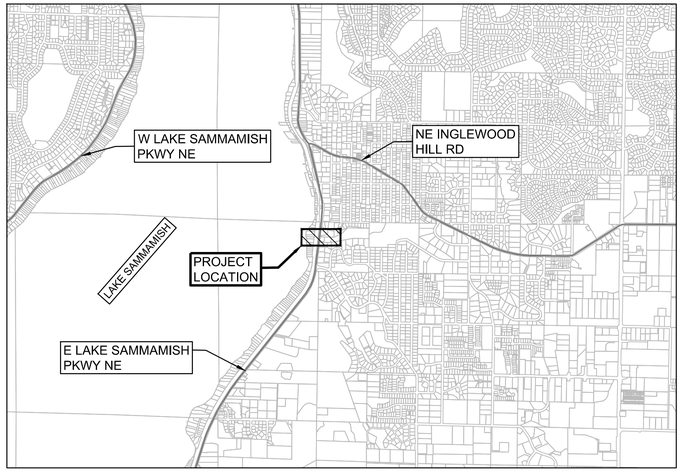
S32-T25N-R06E

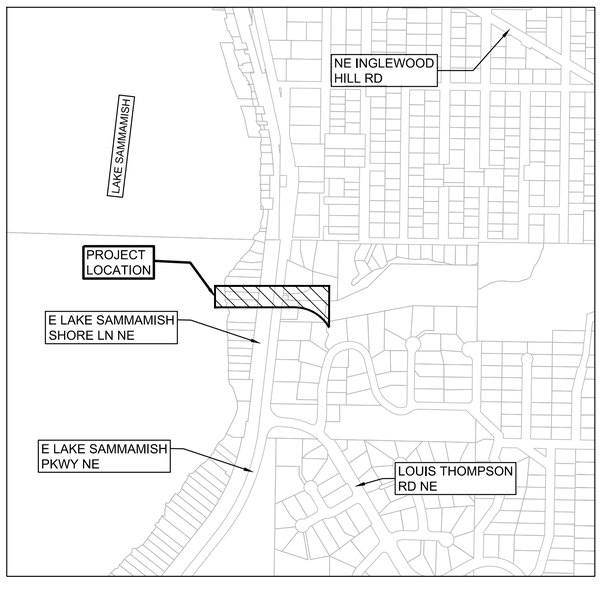
GEORGE DAVIS CREEK FISH PASSAGE PROJECT, PHASE 2

CITY OF SAMMAMISH



SITE VICINITY MAP

SCALE: 1" = 2000' (@ 22X34)



SITE LOCATION MAP

SCALE: 1" = 500' (@ 22X34)

OWNER CONTACT INFORMATION:

OWNER:
CITY OF SAMMAMISH
801 228TH AVE SE
SAMMAMISH, WA 98075
PHONE: (425) 295-0500

MAYOR:
CHRISTIE MALCHOW
EMAIL: CMALCHOW@SAMMAMISH.US

DEPUTY MAYOR:
KAREN MORAN
EMAIL: KMORAN@SAMMAMISH.US

CITY COUNCIL:
JASON RITCHIE
RAMIRO VALDERRAMA
CHRIS ROSS
TOM HORNISH
PAM STUART

CITY ENGINEER:
ANDREW ZAGARS, PE
EMAIL: AZAGARS@SAMMAMISH.US

ACTING DIRECTOR OF PUBLIC WORKS:
CHERYL PASTON, PE
EMAIL: CPASTON@SAMMAMISH.US

ENGINEER CONTACT INFORMATION:

CIVIL ENGINEER:
PBS ENGINEERING + ENVIRONMENTAL
1180 NW MAPLE STREET, SUITE 160
ISSAQUAH, WA 98027
PHONE: (425) 654-8775
FAX: (866) 727-0140

PROJECT MANAGER:
DAVE SEGAL, PE, PMP
E-MAIL: DAVE.SEGAL@PBSUSA.COM

Sheet Index

City of Sammamish Washington

30% PLAN SET

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COVER SHEET FOR:
GEORGE DAVIS CREEK FISH PASSAGE PROJECT, PHASE 2
SAMMAMISH, WASHINGTON

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Existing Linetype Legend	
Existing Sanitary Sewer Pipe	SS
Existing Storm Sewer Pipe	SD
Existing Water Pipe	WL
Existing Gas Line	G G
Existing Curb	
Existing Gravel road	
Existing Paint Stripe	
Existing Right-of-way	
Existing Fence	
Existing Building	
Existing Property Line	
Existing Quarter Section	
Existing Wall	
Existing Contour	253
Existing Guardrail	
Existing Edge-of-pavement	
Existing Ordinary High Water	OHW OHW

Proposed/Future Linetype Legend	
Proposed Sawcut Line	
Proposed Paint Stripe	
Proposed Fence	
Proposed Contour	253
Proposed Water Pipe	WL
Proposed Gas Pipe	G G
Proposed Shoring	

Symbol Legend	
Existing Water Valve	
Existing Fire Hydrant	
Existing Power Pole	
Existing Water Meter	
Existing Water Utility	
Existing Sanitary Manhole	
Existing Sign	
Existing Deciduous Tree	
Existing Coniferous Tree	
Existing Street Light	
Existing Septic Tank	
Existing Monitoring Well	
Existing Storm Structure	

Proposed Flow Arrow	
Proposed 90° Bend	

Abbreviation Legend			
Alignment	ALIGN	Lane	LN
Approximate / Approximately	APPROX	Left	LT
Bridge	BRG	Maximum	MAX
Centerline	℄	Minimum	MIN
Centerline	CL	Mechanical Joint	MJ
US Army Corps of Engineers	COE	Miles Per Hour	MPH
Crushed Surfacing Base Course	CSBC	Northing	N
Court	CT	Northeast	NE
East	E	Ordinary High Water	OHW
Easting	E	Point Of Curve	PC
Elevation	EL	Parkway	PKWY
East Lake Sammamish Shore Lane	ELSSL	Point Of Tangent	PT
East Lake Sammamish Trail	ELST	Point Of Vertical Intersection	PVI
Edge Of Pavement	EOP	Right Of Way	R/W
Existing	EXTG	Right Of Way	ROW
Foot / Feet	FT	Right	RT
Hot Mixed Asphalt	HMA	Sanitary Sewer	SS
Horizontal	HORIZ	Typical	TYP
		Vertical	VERT

Hatching Legend
Asphalt Removal
Proposed Hot Mixed Asphalt
Proposed Cement Concrete
Proposed Streambed Mix

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GENERAL NOTES AND LEGEND FOR:

GEORGE DAVIS CREEK FISH PASSAGE PROJECT, PHASE 2

SAMMAMISH, WASHINGTON

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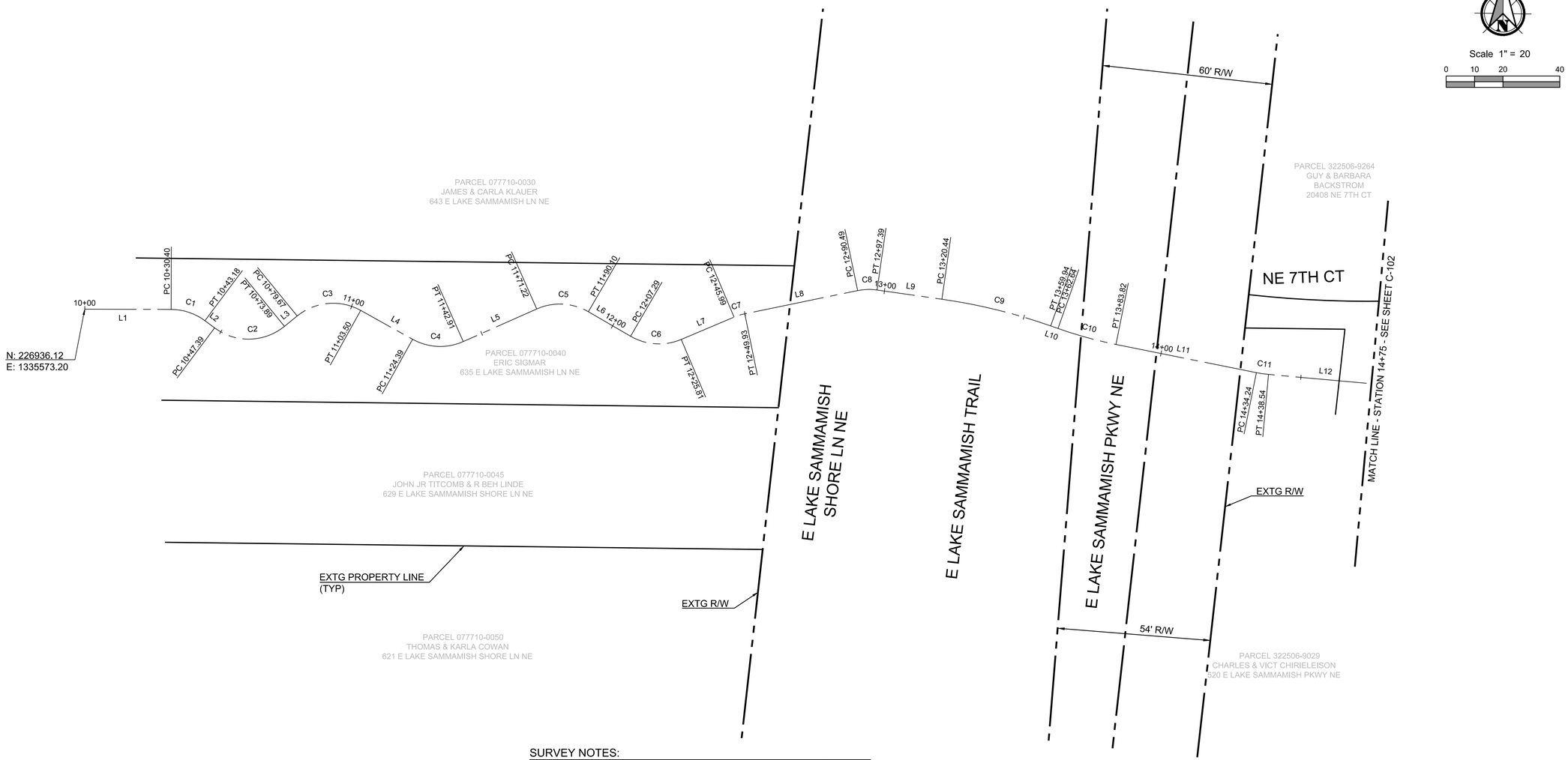

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L2	4.21	S53° 14' 52"E
L3	5.78	N50° 50' 06"E
L4	20.89	S60° 53' 28"E
L5	28.31	N66° 03' 28"E
L6	17.19	S59° 51' 41"E
L7	20.18	N67° 04' 56"E
L8	40.56	N78° 21' 54"E
L9	23.05	S81° 52' 13"E
L10	2.70	S70° 33' 11"E
L11	50.42	S78° 38' 39"E
L12	46.71	S84° 48' 28"E

CENTERLINE CURVE DATA				
#	Δ	R	L	T
C1	36°35'58"	20.00	12.78	6.61
C2	75°55'01"	20.00	26.50	15.60
C3	68°16'26"	20.00	23.83	13.56
C4	53°03'04"	20.00	18.52	9.98
C5	54°04'51"	20.00	18.88	10.21
C6	53°03'23"	20.00	18.52	9.98
C7	11°16'59"	20.00	3.94	1.98
C8	19°45'53"	20.00	6.90	3.48
C9	11°19'02"	200.00	39.50	19.82
C10	8°05'28"	150.00	21.18	10.61
C11	6°09'49"	40.00	4.30	2.15

SURVEY NOTES:

1. HORIZONTAL DATUM: THE OVERALL HORIZONTAL DATUM FOR THIS PROJECT IS NAD 83/2011, WASHINGTON COORDINATE SYSTEM, NORTH ZONE, BASED ON GPS MEASUREMENTS USING THE WASHINGTON STATE REFERENCE NETWORK.

2. VERTICAL DATUM: THE VERTICAL DATUM FOR THIS SURVEY IS NAVD 88, BASED ON GPS MEASUREMENTS USING THE WASHINGTON STATE REFERENCE NETWORK.

   THE CONTOUR INTERVAL OF TWO-FEET WAS INTERPOLATED BY AN AUTOCAD-CALCULATED DIGITAL TERRAIN MODEL (DTM) USING FIELD-SURVEYED GROUND AND FEATURE ELEVATIONS.

   THE ELEVATIONS AND CONTOURS SHOWN HEREON ARE ASSUMED TO BE ACCURATE TO THE FOLLOWING:

   HARD-SURFACE SPOT ELEVATIONS = +/- 0.1-FEET.
   GROUND ELEVATIONS = +/- 0.2-FEET.
   CONTOURS = +/- ONE-HALF THE CONTOUR INTERVAL.

3. FIELD SURVEY METHODOLOGY: FIELD MEASUREMENTS FOR THIS SURVEY WERE PERFORMED USING A 5-SECOND OR BETTER ELECTRONIC TOTAL STATION.

4. THE UNDERGROUND UTILITIES SHOWN HEREON HAVE BEEN LOCATED FROM A COMBINATION OF: 1.) THE FIELD SURVEYED LOCATION OF VISIBLE SURFACE UTILITY STRUCTURES SUCH AS MANHOLE LIDS, CATCH BASIN GRATES, GAS AND WATER VALVE LIDS, ETC…, AND 2.) THE FIELD SURVEYED LOCATION OF PAINT OR OTHER MARKS OR MARKERS PLACED BY AN UNDERGROUND UTILITY LOCATOR SERVICE. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED, NOR THAT THEY ARE IN THE EXACT LOCATION SHOWN.

   UTILITY INVERT ELEVATIONS AND PIPE / FLOW LINE DIAMETERS SHOWN HEREON ARE BASED ON OBSERVATIONS FROM THE TOP OF THE UTILITY STRUCTURE AND ARE APPROXIMATE ONLY. FOR SAFETY REASONS NO PHYSICAL ENTRY INTO THE UTILITY STRUCTURE WAS PERFORMED DURING THE COURSE OF THIS SURVEY.

5. THE PROPERTY AND RIGHT-OF-WAY LINES SHOWN HEREON ARE DERIVED FROM A VARIETY OF SOURCES OF VARIABLE ACCURACY. THEY ARE NOT THE RESULT OF A BOUNDARY OR RIGHT-OF-WAY DETERMINATION BY PLS, INC. AND SHOULD NOT BE RELIED UPON FOR ANY USE OTHER THAN GENERAL REFERENCE.

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ROW AND ALIGNMENT PLAN FOR:
GEORGE DAVIS CREEK FISH PASSAGE PROJECT, PHASE 2
SAMMAMISH, WASHINGTON

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Scale 1" = 20

0 10 20 40

SURVEY NOTES:

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CENTERLINE LINE DATA

#	Length	Direction
L12	46.71	S84° 48' 28"E
L13	34.40	S89° 38' 20"E
L14	11.75	S73° 18' 27"E
L15	15.95	N71° 13' 48"E
L16	16.13	S21° 44' 17"E
L17	13.60	S22° 53' 25"E
L18	27.17	N19° 30' 07"W
L19	12.30	S33° 07' 01"E
L20	32.57	S44° 11' 47"E
L21	24.42	S67° 59' 23"E

CENTERLINE CURVE DATA

#	Δ	R	L	T
C12	4°49'52"	100.00	8.43	4.22
C13	16°19'52"	60.00	17.10	8.61
C14	35°27'44"	20.00	12.38	6.39
C15	87°01'55"	20.00	30.38	18.99
C16	13°36'54"	20.00	4.75	2.39
C17	11°04'46"	20.00	3.87	1.94
C18	23°47'36"	20.00	8.31	4.21

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ROW AND ALIGNMENT PLAN FOR:

GEORGE DAVIS CREEK FISH PASSAGE PROJECT, PHASE 2

SAMMAMISH, WASHINGTON

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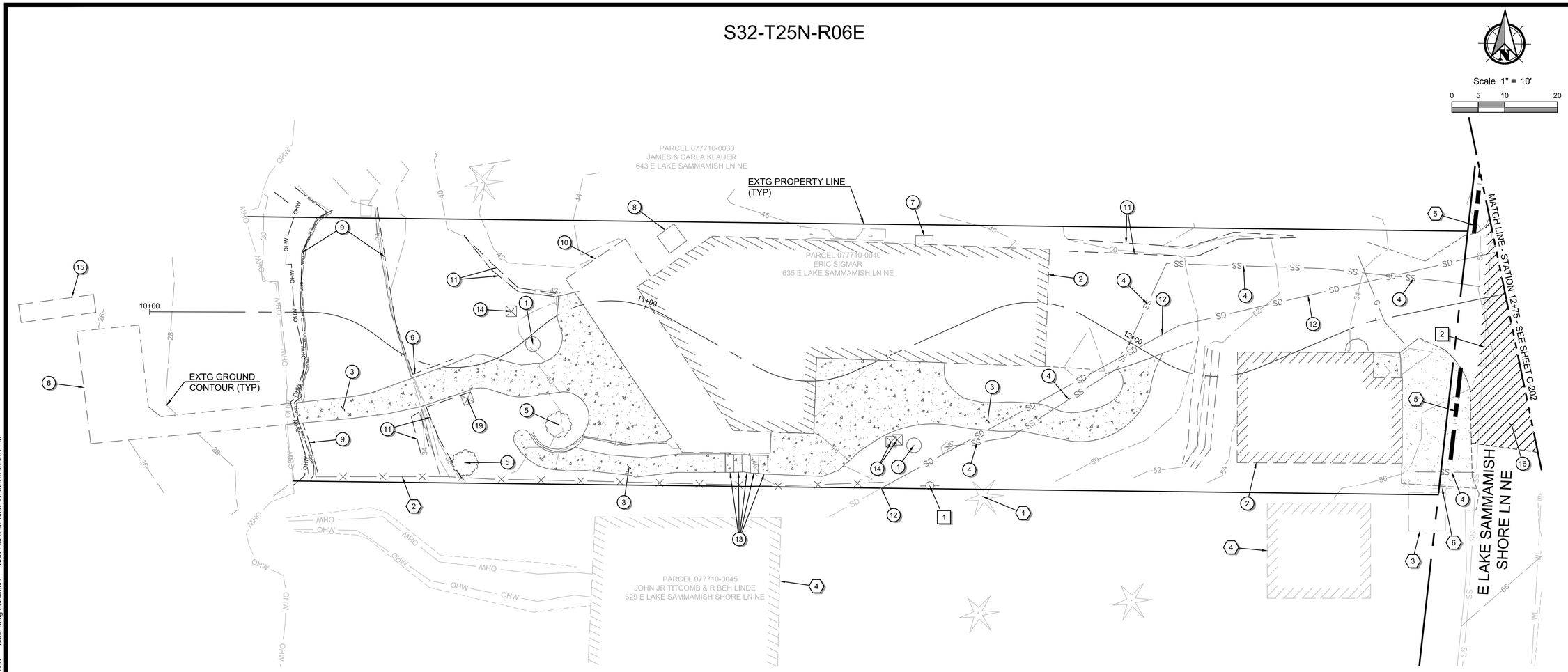

GENERAL NOTES:

1. PRESERVE AND PROTECT ALL IMPROVEMENTS THAT ARE TO REMAIN.
2. CONTRACTOR SHALL COORDINATE WORK PERFORMED BY OTHERS.
3. E LAKE SAMMAMISH TRAIL CULVERTS ARE BEING REPLACED BY KING COUNTY UNDER A SEPARATE PROJECT. FINAL DESIGN TO BE DETERMINED BASED ON COMMUNICATION WITH KING COUNTY.

DEMOLITION NOTES:

1. REMOVE SEPTIC TANK
2. REMOVE EXISTING BUILDING
3. REMOVE EXISTING CONCRETE WALKWAY
4. REMOVE EXISTING SEWER PIPE
5. REMOVE EXISTING TREE (PROTECT ALL OTHERS)
6. REMOVE EXISTING DOCK
7. REMOVE EXISTING GAS METER
8. REMOVE EXISTING A/C UNIT
9. REMOVE EXISTING RETAINING WALL
10. REMOVE EXISTING DECK
11. REMOVE EXISTING ROCKERY WALL
12. REMOVE EXISTING STORM PIPE UNDER PROPERTY. CAP PIPE AT PROPERTY LINE.
13. REMOVE EXISTING STEPS
14. REMOVE EXISTING WATER UTILITY
15. REMOVE EXISTING BOAT LIFT
16. REMOVE EXISTING HMA

PROTECTION NOTES:

1. PROTECT EXISTING TREE
2. PROTECT EXISTING FENCE
3. PROTECT EXISTING SHED
4. PROTECT EXISTING BUILDING
5. AREA OF POTENTIAL SHORING
6. PROTECT EXISTING POWER POLE

RELOCATION NOTES:

1. RELOCATE EXISTING POWER POLE
2. RELOCATE EXISTING SEWER LINE

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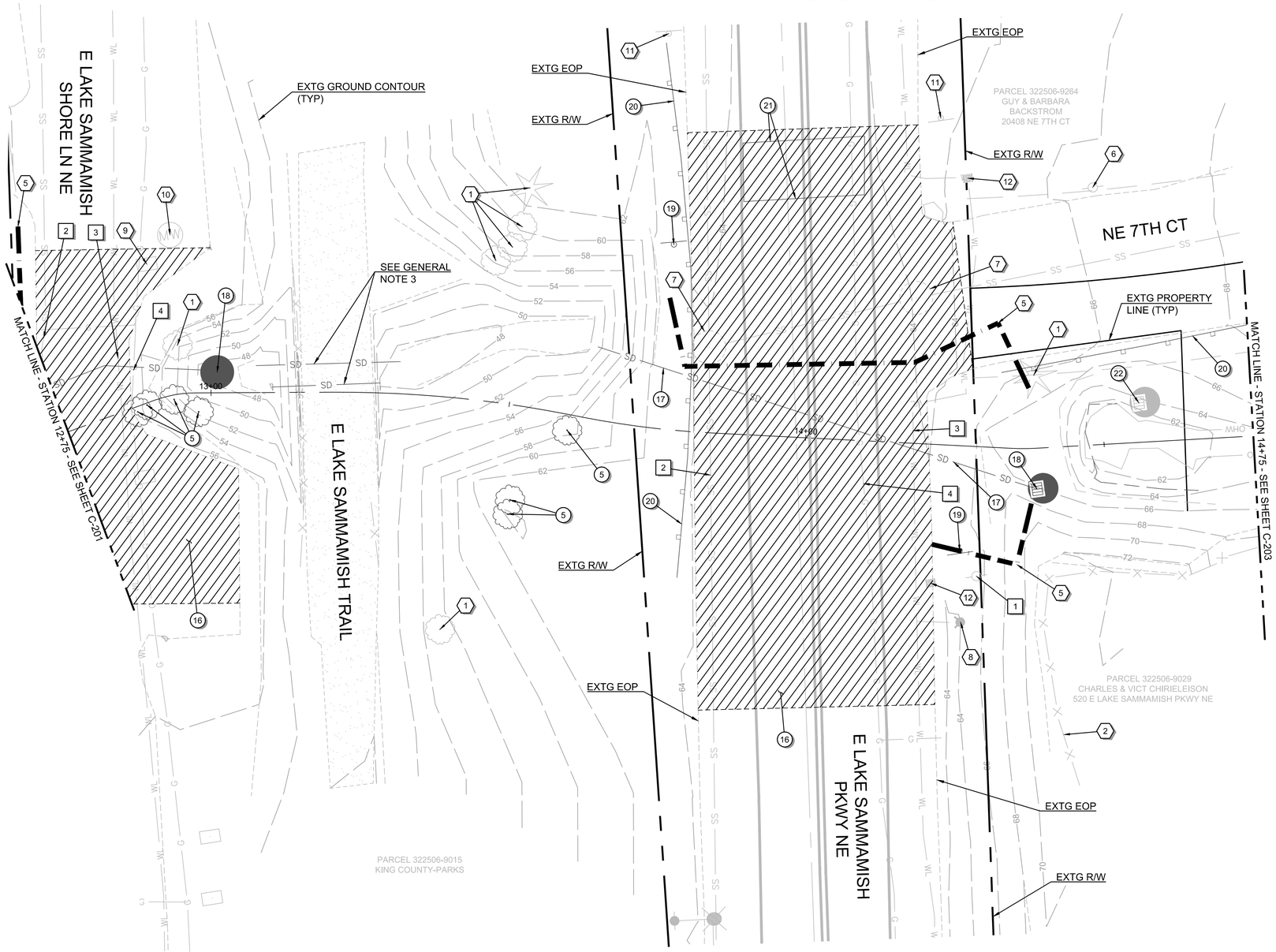

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GENERAL NOTES:

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2. CONTRACTOR SHALL COORDINATE WORK PERFORMED BY OTHERS.
3. E LAKE SAMMAMISH TRAIL CULVERTS ARE BEING REPLACED BY KING COUNTY UNDER A SEPARATE PROJECT. FINAL DESIGN TO BE DETERMINED BASED ON COMMUNICATION WITH KING COUNTY.

DEMOLITION NOTES:

(5) REMOVE EXISTING TREE (PROTECT ALL OTHERS)

(16) REMOVE EXISTING HMA

(17) REMOVE EXISTING CULVERT

(18) REMOVE EXISTING STORM STRUCTURE

(19) REMOVE EXISTING SIGN

(20) REMOVE EXISTING GUARDRAIL

(21) REMOVE EXISTING CROSSWALK

(22) EXISTING STORM STRUCTURE TO BE USED FOR STREAM BYPASS. REMOVE AFTER COMPLETION OF STREAM CONSTRUCTION.

PROTECTION NOTES:

(1) PROTECT EXISTING TREE

(2) PROTECT EXISTING FENCE

(5) AREA OF POTENTIAL SHORING

(6) PROTECT EXISTING POWER POLE

(7) PROTECT EXISTING MANHOLE

(8) PROTECT EXISTING FIRE HYDRANT

(9) PROTECT EXISTING WATER METER

(10) PROTECT EXISTING MONITORING WELL

(11) PROTECT EXISTING SIGN

(12) PROTECT EXISTING WATER VALVE

RELOCATION NOTES:

[1] RELOCATE EXISTING POWER POLE

[2] RELOCATE EXISTING SEWER LINE

[3] RELOCATE EXISTING WATER LINE

[4] RELOCATE EXISTING GAS LINE

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DEMOLITION PLAN FOR:
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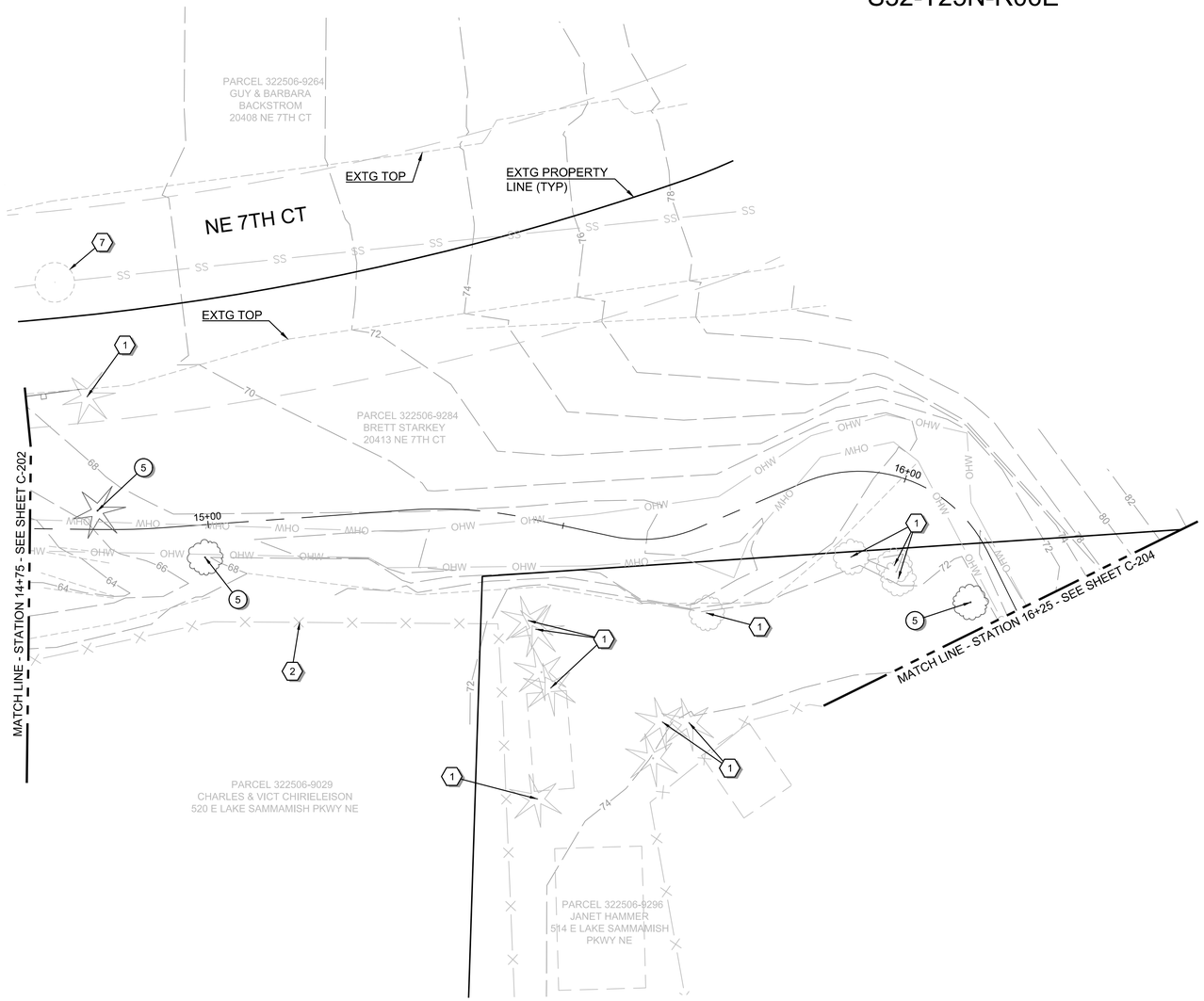

Scale 1" = 10

0 5 10 20

GENERAL NOTES:

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2. CONTRACTOR SHALL COORDINATE WORK PERFORMED BY OTHERS.
3. E LAKE SAMMAMISH TRAIL CULVERTS ARE BEING REPLACED BY KING COUNTY UNDER A SEPARATE PROJECT. FINAL DESIGN TO BE DETERMINED BASED ON COMMUNICATION WITH KING COUNTY.

DEMOLITION NOTES:

(5) REMOVE EXISTING TREE (PROTECT ALL OTHERS)

PROTECTION NOTES:

(1) PROTECT EXISTING TREE

(2) PROTECT EXISTING FENCE

(7) PROTECT EXISTING MANHOLE

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DEMOLITION PLAN FOR:

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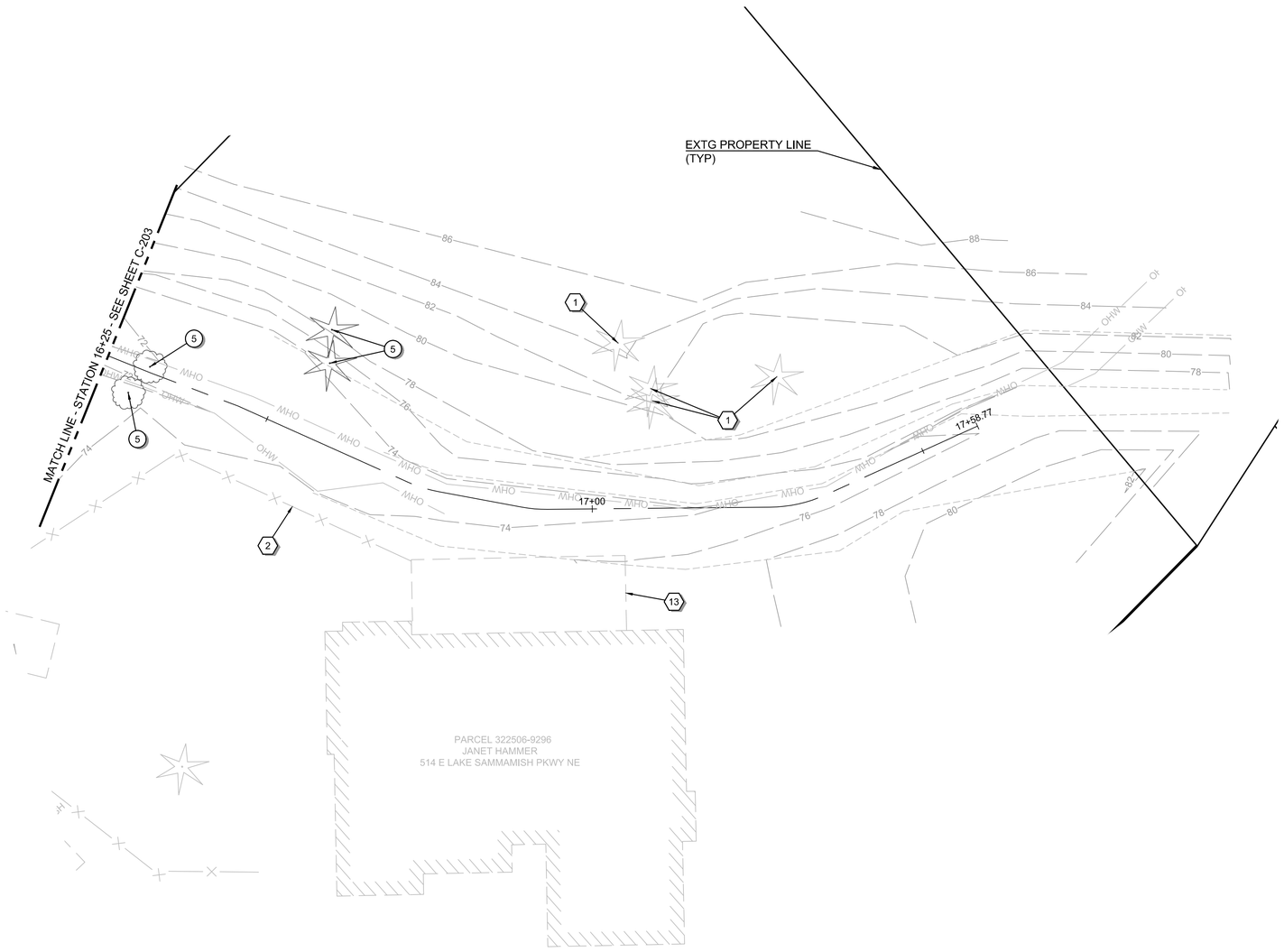

Scale 1" = 10

0 5 10 20

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DEMOLITION NOTES:

(5) REMOVE EXISTING TREE (PROTECT ALL OTHERS)

PROTECTION NOTES:

(1) PROTECT EXISTING TREE

(2) PROTECT EXISTING FENCE

(13) PROTECT EXISTING DECK

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DEMOLITION PLAN FOR:
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SAMMAMISH, WASHINGTON

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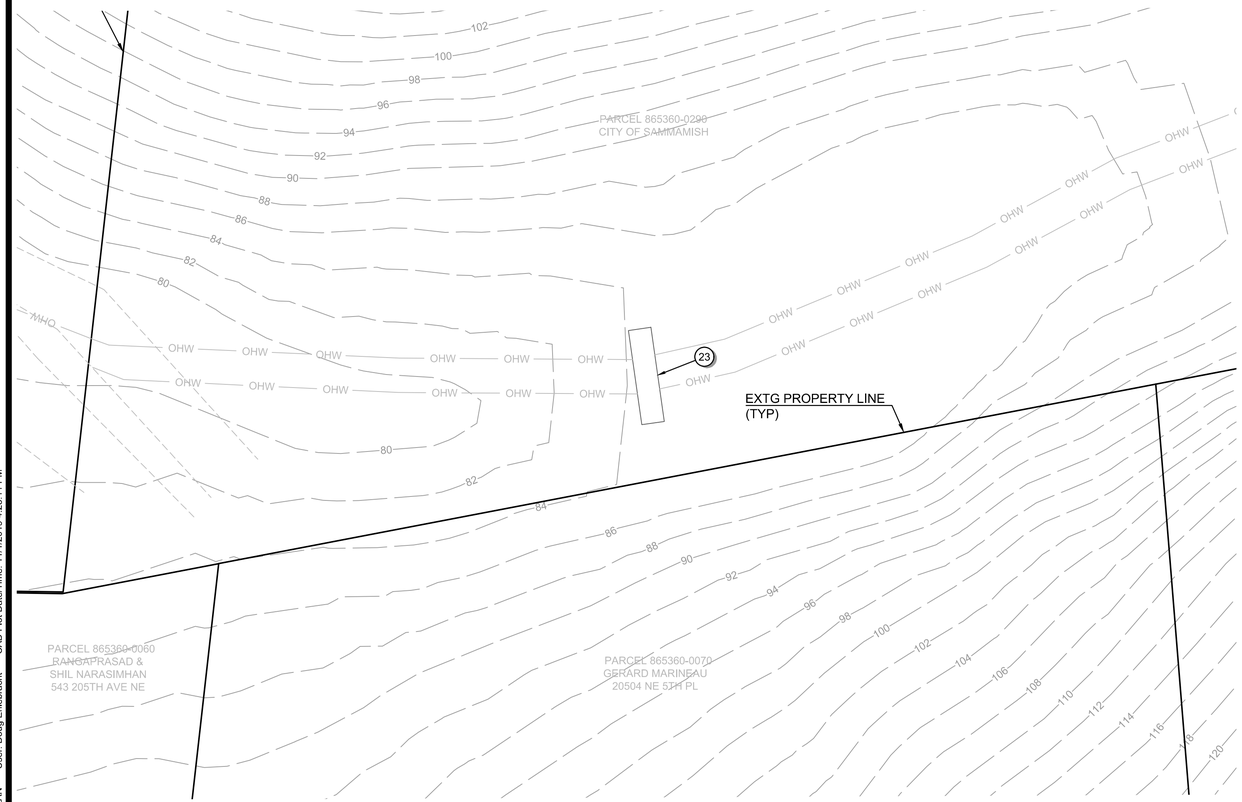

Scale 1" = 10'

0 5 10 20

GENERAL NOTES:

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DEMOLITION NOTES:

(23) REMOVE EXISTING CONCRETE DAM. LOCATION SHOWN IS APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY LOCATION PRIOR TO START OF CONSTRUCTION.

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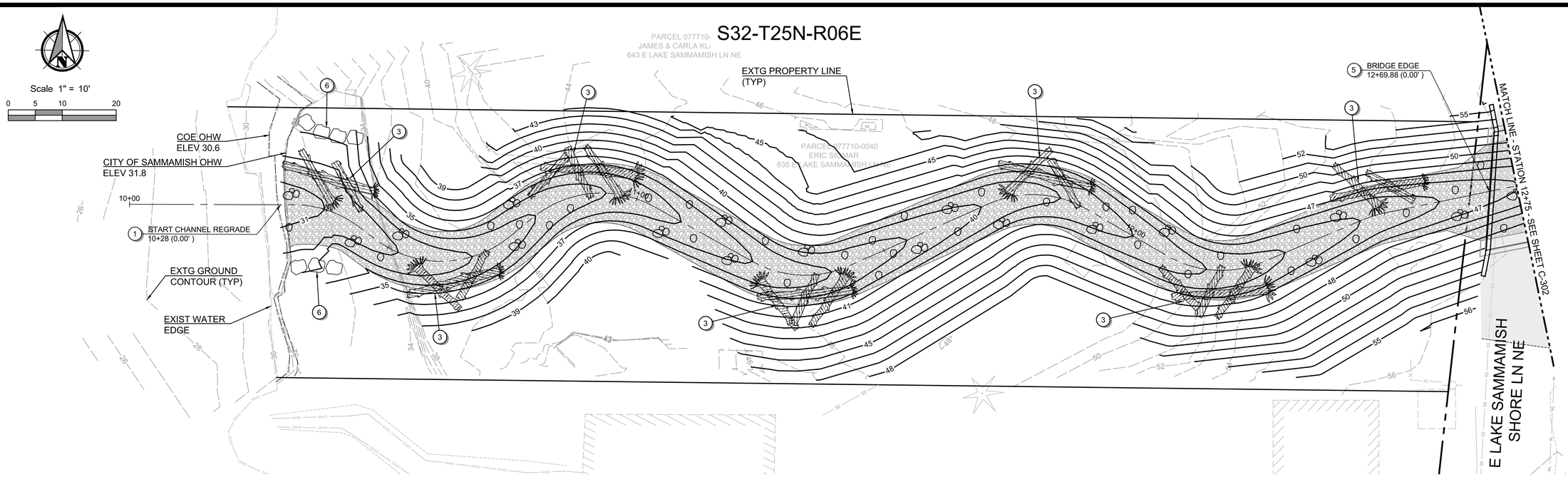
C-205
SHEET 9 OF 23

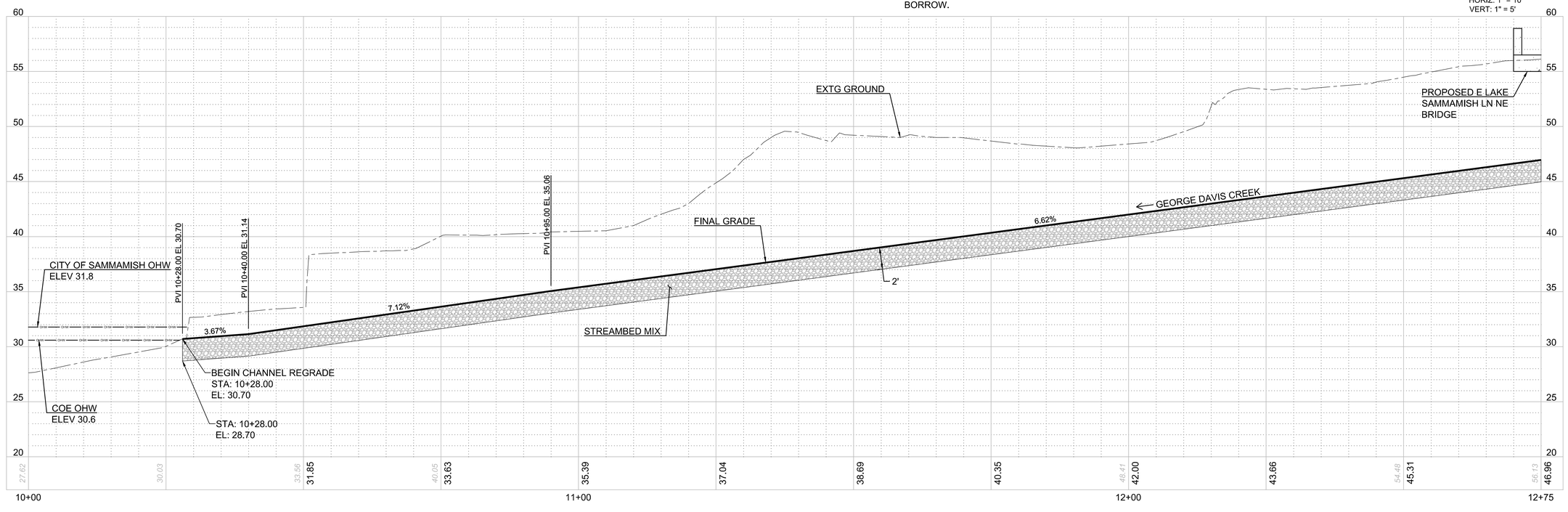


CONSTRUCTION PLAN NOTES:

1. RECONSTRUCT STREAM CHANNEL PER DETAIL, SEE SHEET C-502
3. INSTALL LARGE WOODY DEBRIS FEATURES PER DETAIL, SEE SHEET C-502
5. INSTALL BRIDGE ABUTMENT AND DECK PER DETAIL, SHEET C-402
6. INSTALL ROCKERY PER DETAIL, SEE SHEET C-501

GENERAL NOTES:

1. THALWEG AND WOODY DEBRIS ARE TO BE PLACED AS SHOWN ON PLANS. MINOR CHANGES TO THE LOG FEATURES CAN BE MADE IN THE FIELD BY THE ENGINEER.
2. FILL AREA BETWEEN THE BACK/SIDE OF WINGWALLS AND EXCAVATION WITH SELECT BORROW.
3. FILL AREA BETWEEN THE FRONT OF WINGWALLS AND EXCAVATION WITH STREAMBED MIX.
4. SEE RESTORATION PLANS FOR FINAL STABILIZATION REQUIREMENTS.



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GEORGE DAVIS CREEK PLAN AND PROFILE FOR:

GEORGE DAVIS CREEK FISH PASSAGE PROJECT, PHASE 2

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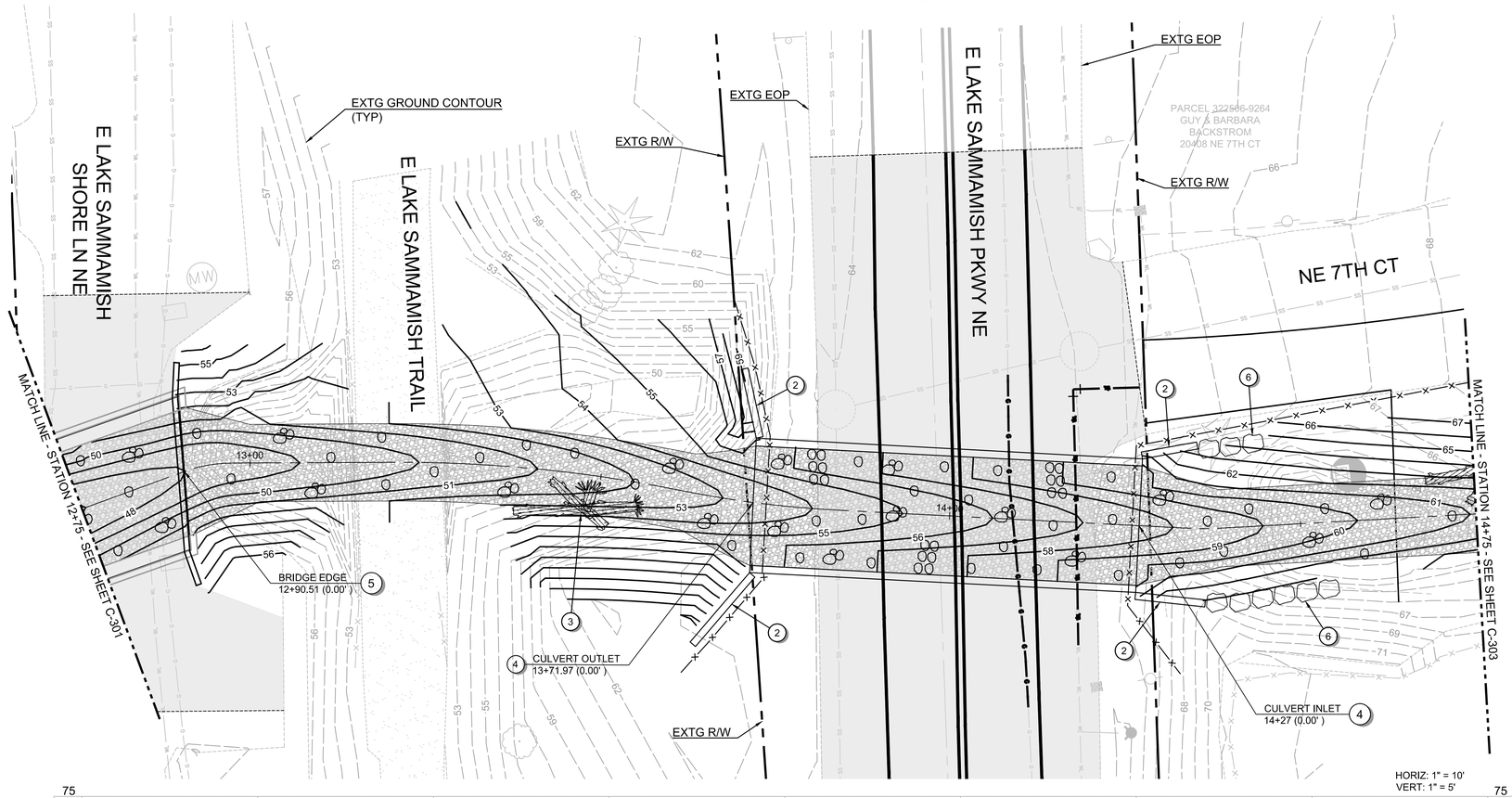


Scale 1" = 10'

0 5 10 20

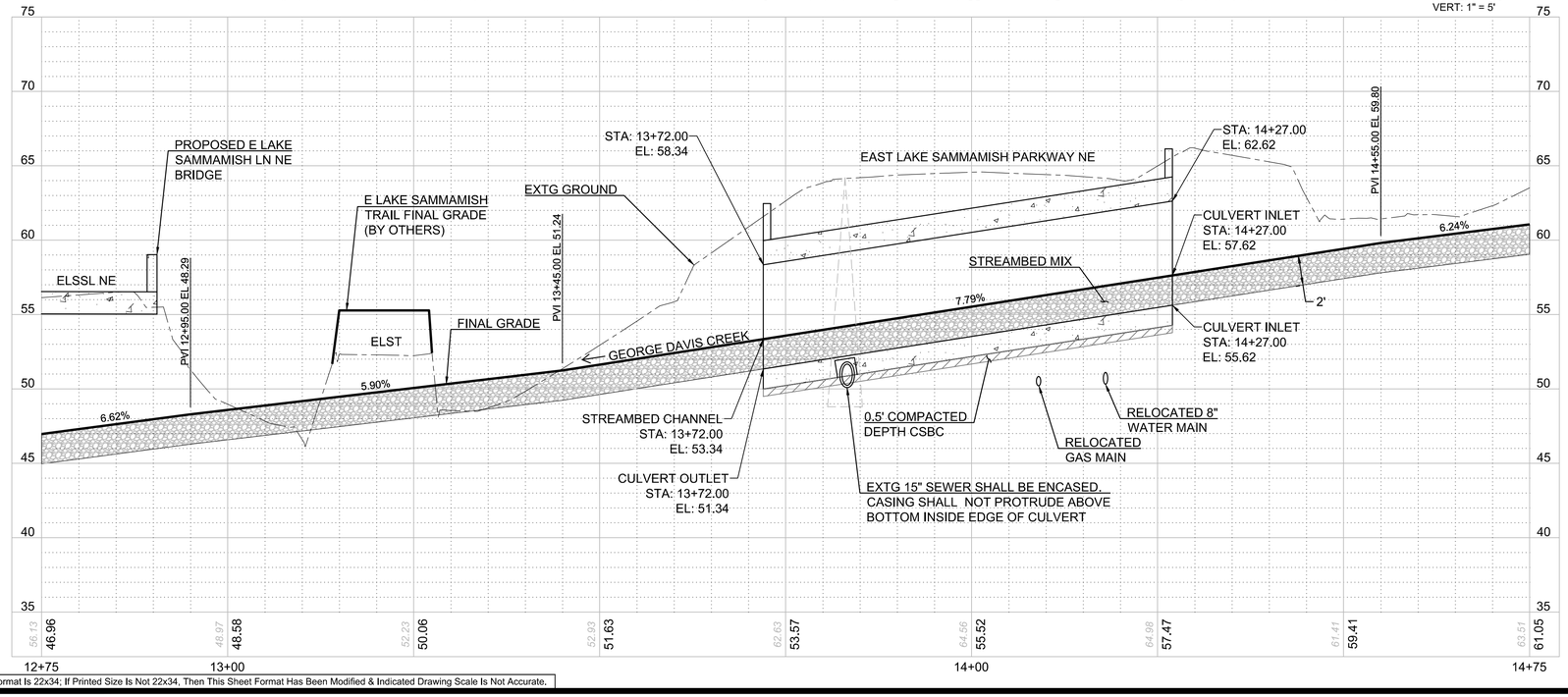
CONSTRUCTION PLAN NOTES:

1. RECONSTRUCT STREAM CHANNEL PER DETAIL, SEE SHEET C-502
2. INSTALL PRECAST CONCRETE WINGWALL PER DETAIL, SEE SHEET C-501
3. INSTALL LARGE WOODY DEBRIS FEATURES PER DETAIL, SEE SHEET C-502
4. INSTALL 55 LF 17-FT x 7-FT SPLIT BOX CULVERT PER DETAIL, SEE SHEET C-501
5. INSTALL BRIDGE ABUTMENT AND DECK PER DETAIL, SHEET C-402
6. INSTALL ROCKERY PER DETAIL, SEE SHEET C-501

GENERAL NOTES:

1. THALWEG AND WOODY DEBRIS ARE TO BE PLACED AS SHOWN ON PLANS. MINOR CHANGES TO THE LOG FEATURES CAN BE MADE IN THE FIELD BY THE ENGINEER.
2. FILL AREA BETWEEN THE BACK/SIDE OF WINGWALLS AND EXCAVATION WITH SELECT BORROW.
3. FILL AREA BETWEEN THE FRONT OF WINGWALLS AND EXCAVATION WITH STREAMBED MIX.
4. SEE RESTORATION PLANS FOR FINAL STABILIZATION REQUIREMENTS.

HORIZ: 1" = 10'
VERT: 1" = 5'



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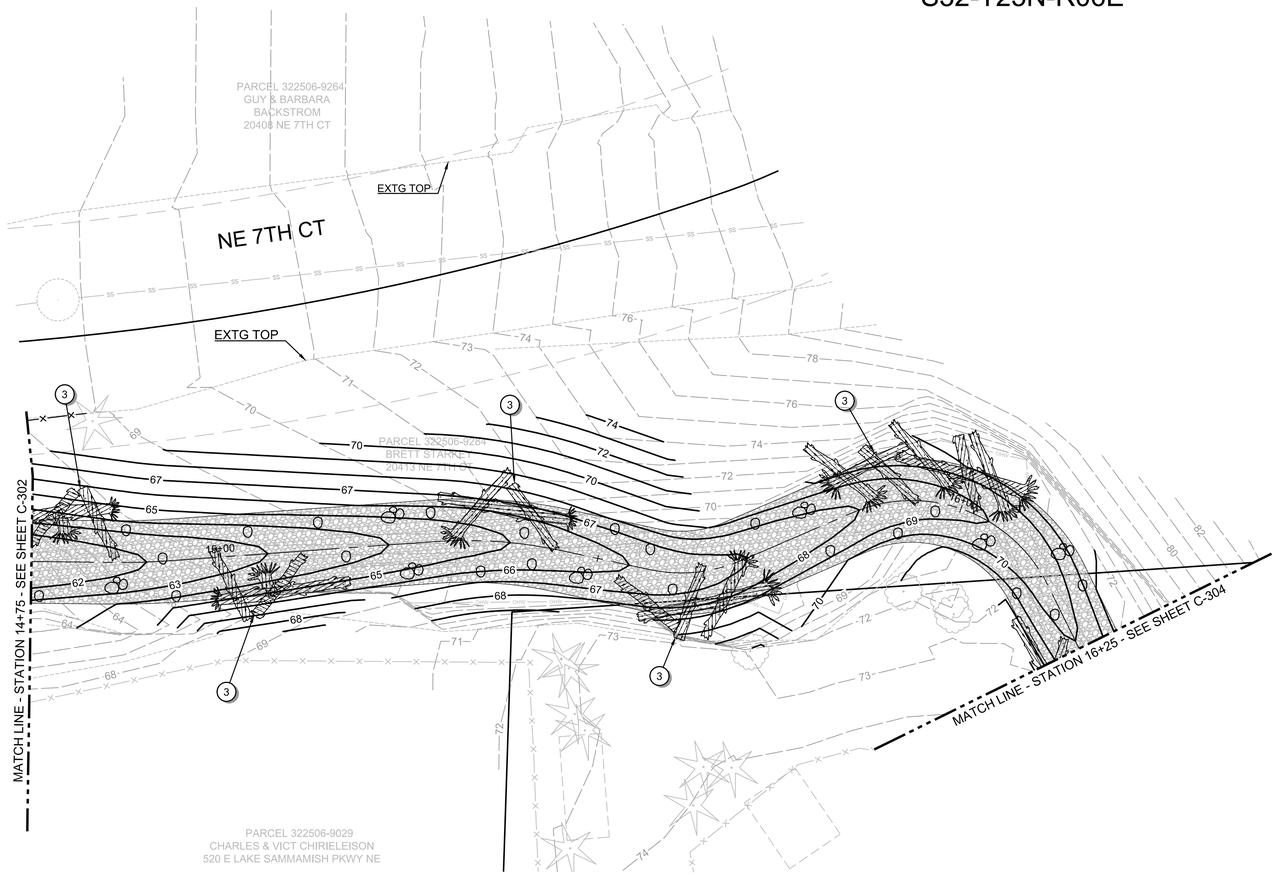


Scale 1" = 10

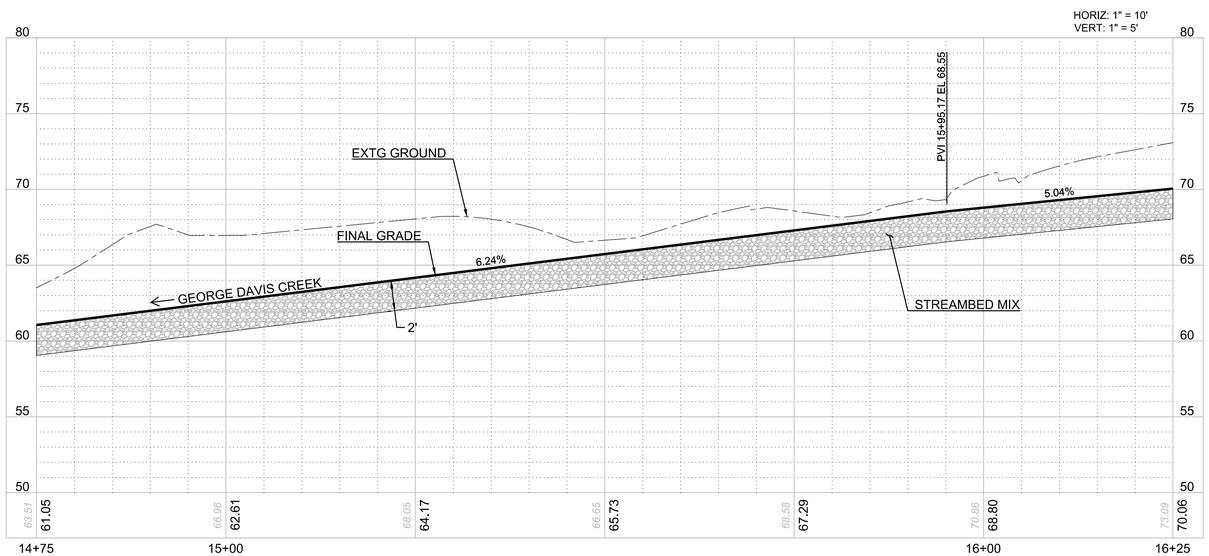
0 5 10 20

CONSTRUCTION PLAN NOTES:

1. RECONSTRUCT STREAM CHANNEL PER DETAIL, SEE SHEET C-502
3. INSTALL LARGE WOODY DEBRIS FEATURES PER DETAIL, SEE SHEET C-502

GENERAL NOTES:

1. THALWEG AND WOODY DEBRIS ARE TO BE PLACED AS SHOWN ON PLANS. MINOR CHANGES TO THE LOG FEATURES CAN BE MADE IN THE FIELD BY THE ENGINEER.
2. SEE RESTORATION PLANS FOR FINAL STABILIZATION REQUIREMENTS.



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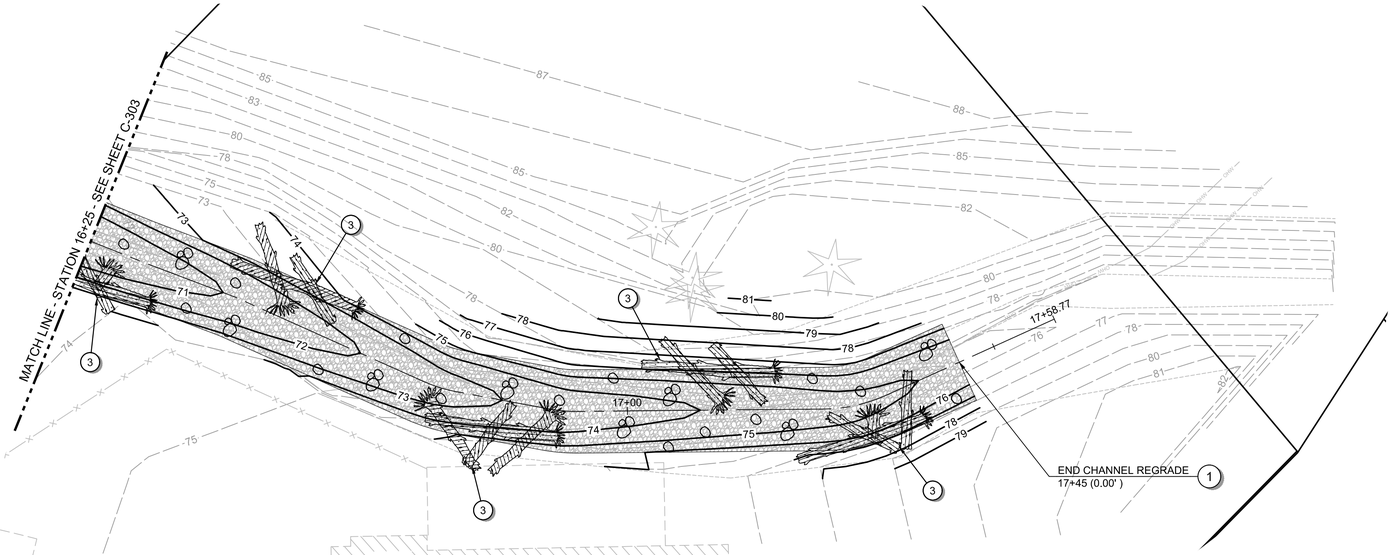


Scale 1" = 10

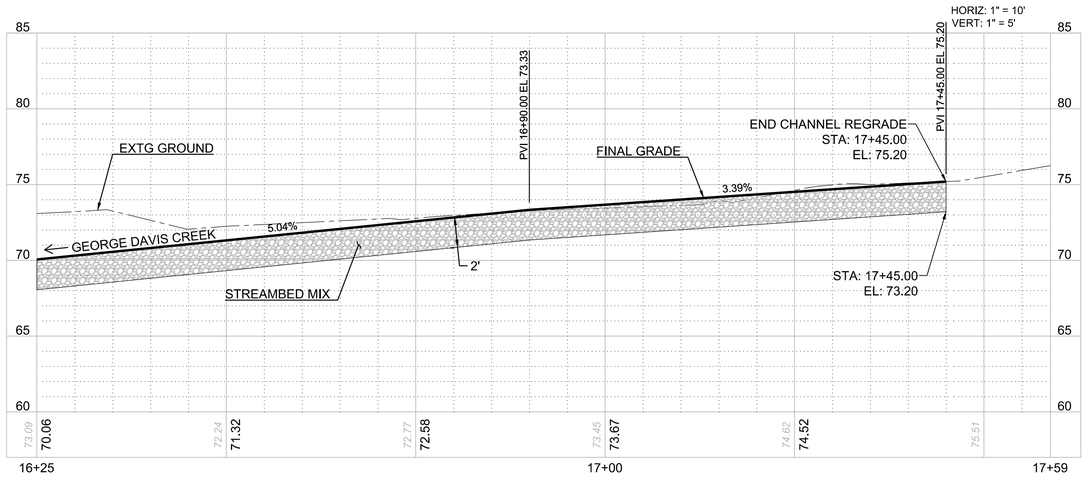
0 5 10 20

CONSTRUCTION PLAN NOTES:

1. RECONSTRUCT STREAM CHANNEL PER DETAIL, SEE SHEET C-502
3. INSTALL LARGE WOODY DEBRIS FEATURES PER DETAIL, SEE SHEET C-502

GENERAL NOTES:

1. THALWEG AND WOODY DEBRIS ARE TO BE PLACED AS SHOWN ON PLANS. MINOR CHANGES TO THE LOG FEATURES CAN BE MADE IN THE FIELD BY THE ENGINEER.
2. SEE RESTORATION PLANS FOR FINAL STABILIZATION REQUIREMENTS.



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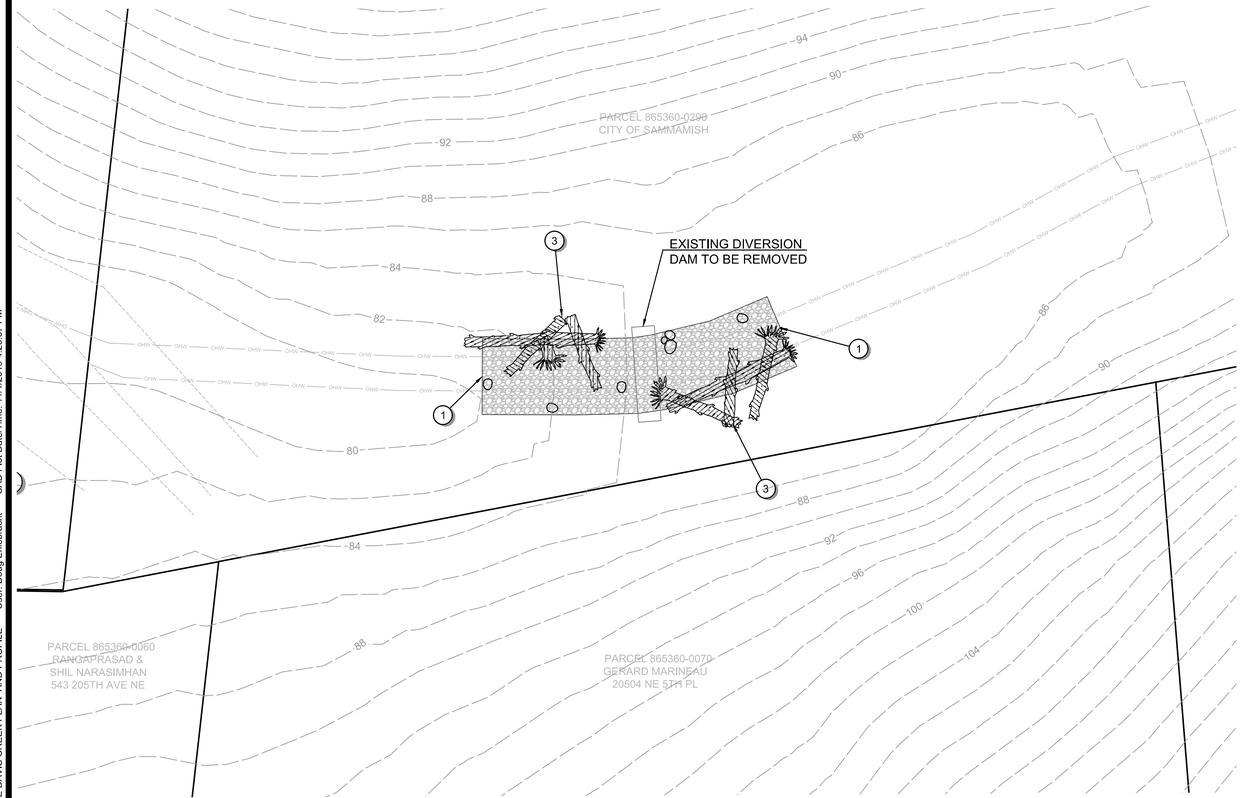

CONSTRUCTION PLAN NOTES:

1. RECONSTRUCT STREAM CHANNEL PER DETAIL, SEE SHEET C-502
3. INSTALL LARGE WOODY DEBRIS FEATURES PER DETAIL, SEE SHEET C-502

GENERAL NOTES:

1. THALWEG AND WOODY DEBRIS ARE TO BE PLACED AS SHOWN ON PLANS. MINOR CHANGES TO THE LOG FEATURES CAN BE MADE IN THE FIELD BY THE ENGINEER.
2. SEE RESTORATION PLANS FOR FINAL STABILIZATION REQUIREMENTS.

Scale 1" = 10'

0 5 10 20

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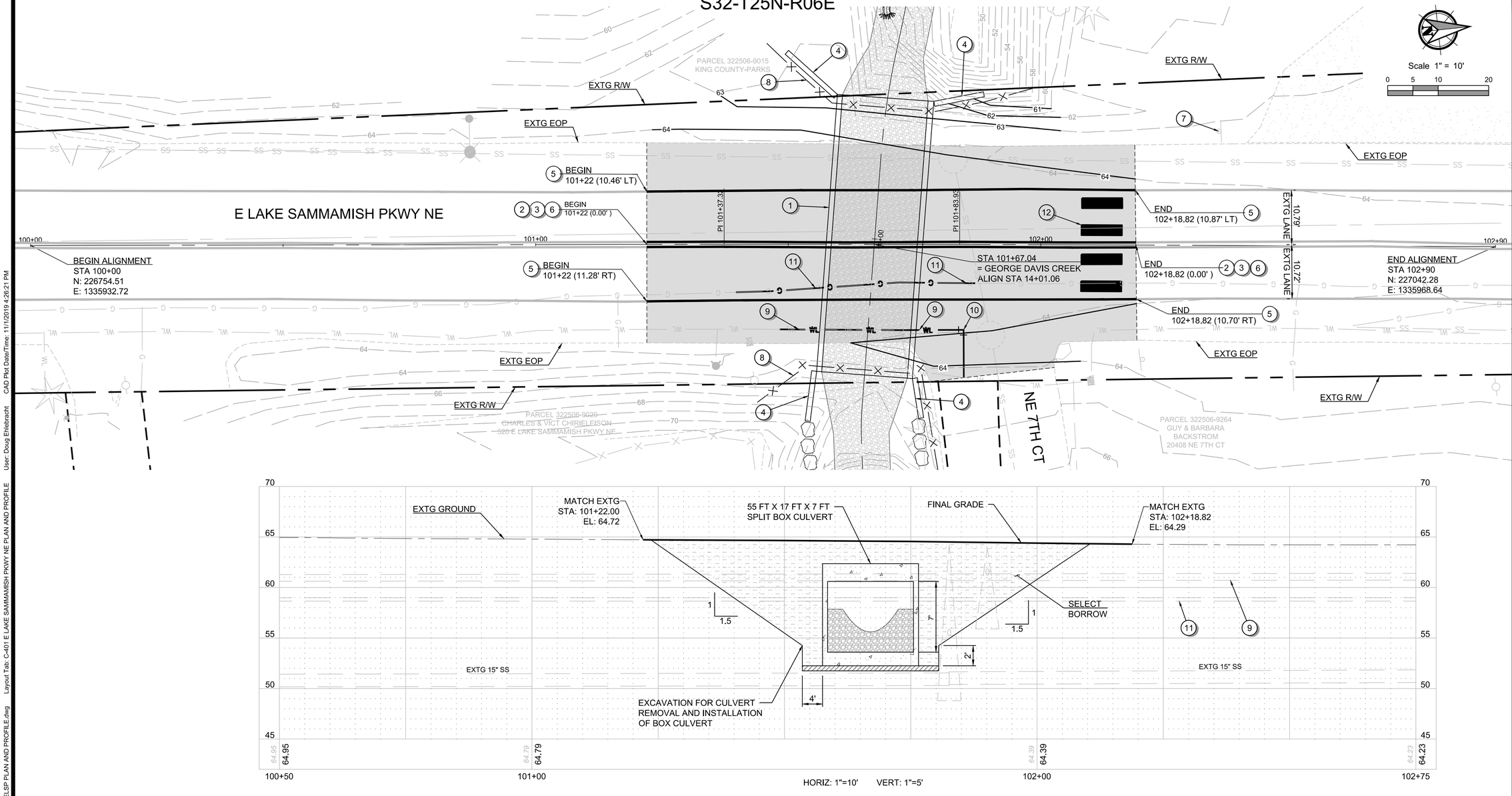

GENERAL NOTES:

1. SPEED LIMIT FOR E LAKE SAMMAMISH PKWY NE IS 35 MPH.
2. ROADWAY PROFILE OF ROAD IS MAINTAINED FOR CONTINUITY WITH EXISTING ROADWAY.

CONSTRUCTION PLAN NOTES:

1. 55 FT X 17 FT X 7 FT SPLIT BOX CULVERT PER DETAIL, SHEET C-501
2. HMA PAVEMENT
3. SAWCUT
4. CONCRETE WINGWALL
5. PAINT LINE (WHITE)
6. PAINT LINE (DOUBLE CENTER YELLOW)
7. REPLACE EXISTING SIGN
8. PROPOSED FENCE
9. RELOCATE 8" WATER LINE
10. 8" 90° MJ BEND
11. RELOCATE 4" GAS LINE
12. CROSSWALK

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E LAKE SAMMAMISH PKWY NE PLAN AND PROFILE FOR:

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C-401
SHEET 15 OF 23

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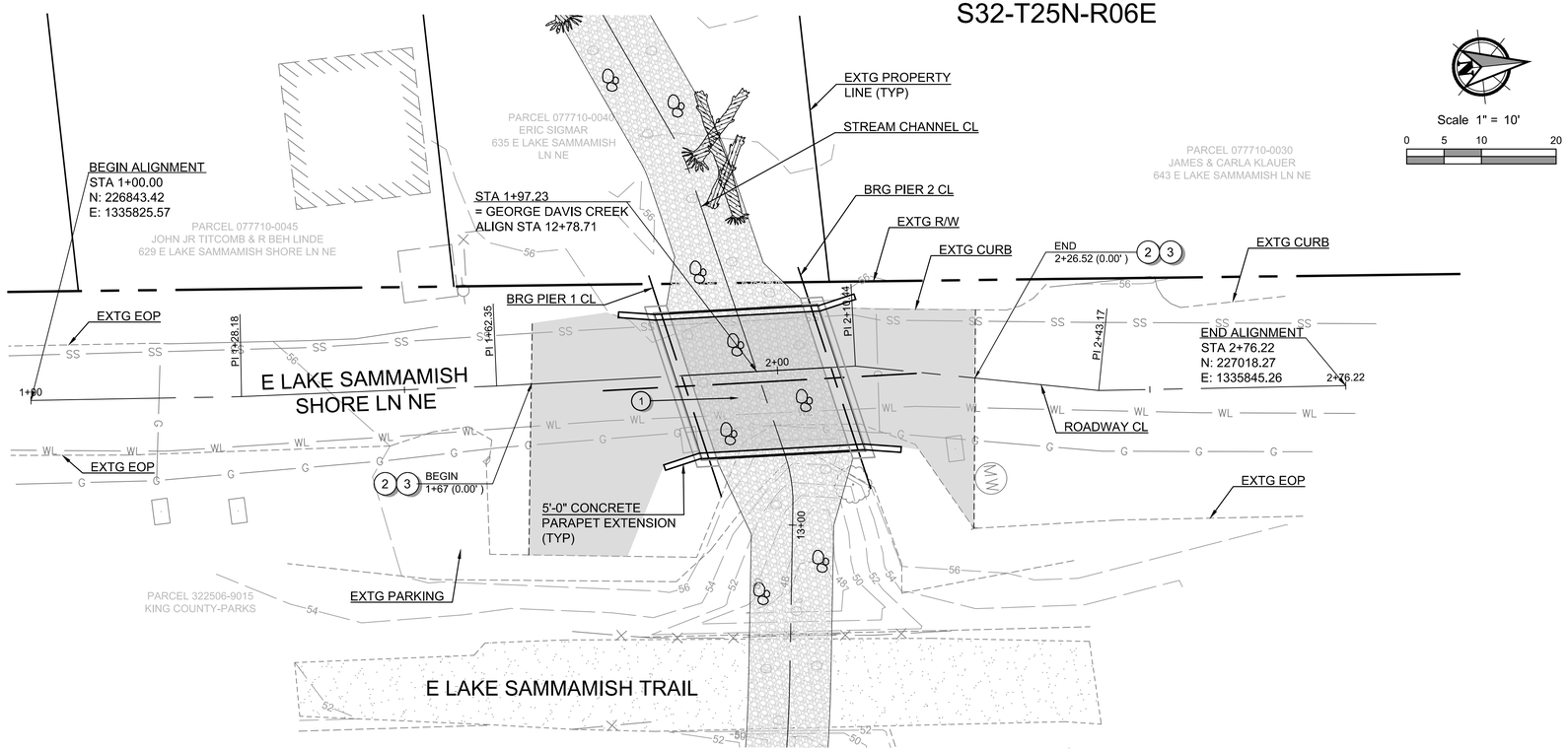
S32-T25N-R06E



Scale 1" = 10'

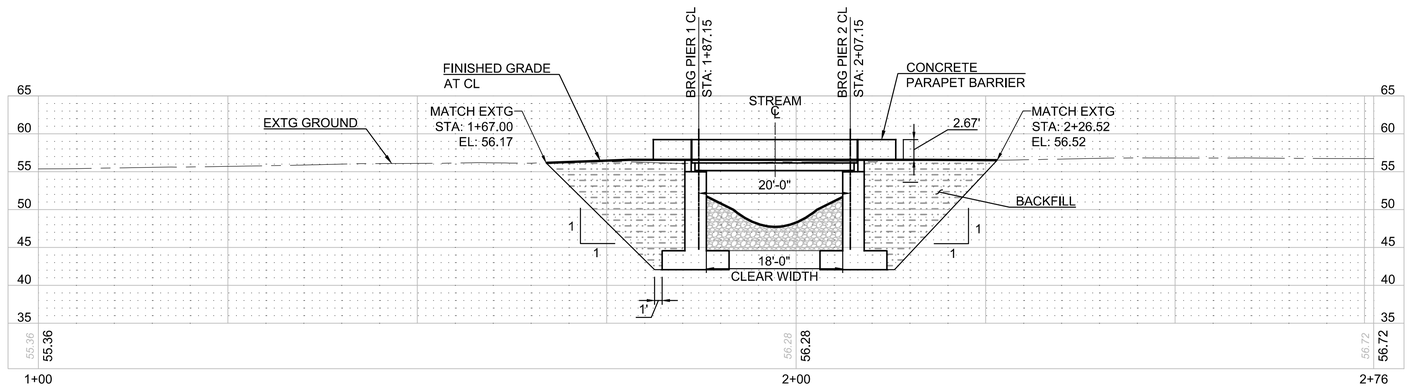
0 5 10 20

GENERAL NOTES:

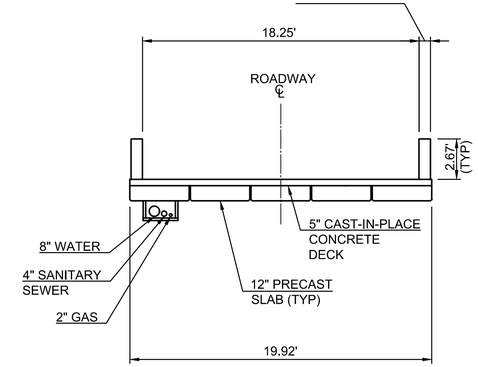
1. ROADWAY PROFILE OF ROAD IS MAINTAINED FOR CONTINUITY WITH EXISTING ROADWAY.

CONSTRUCTION PLAN NOTES:

1. SLAB BRIDGE WITH CAST-IN-PLACE CONCRETE DECK, SEE THIS SHEET FOR DETAILS.
2. HMA PAVEMENT
3. SAWCUT



HORIZ: 1"=10' VERT: 1"=10'



1 **TYPICAL BRIDGE SECTION**
1" = 5'

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E LAKE SAMMAMISH SHORE LN NE PLAN AND PROFILE FOR:

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SHEET	16 OF 23

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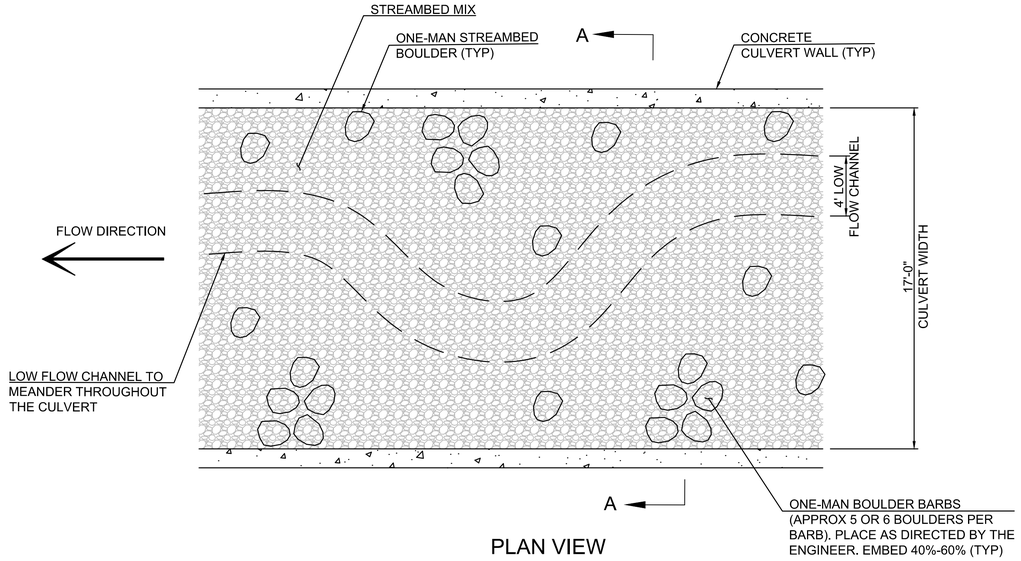
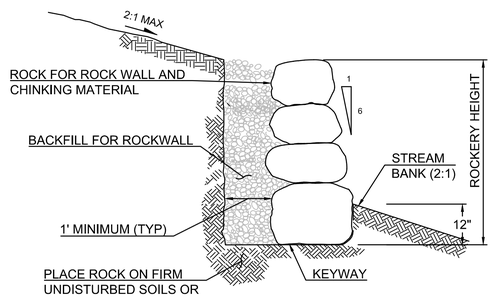


PLAN VIEW

GENERAL NOTES:

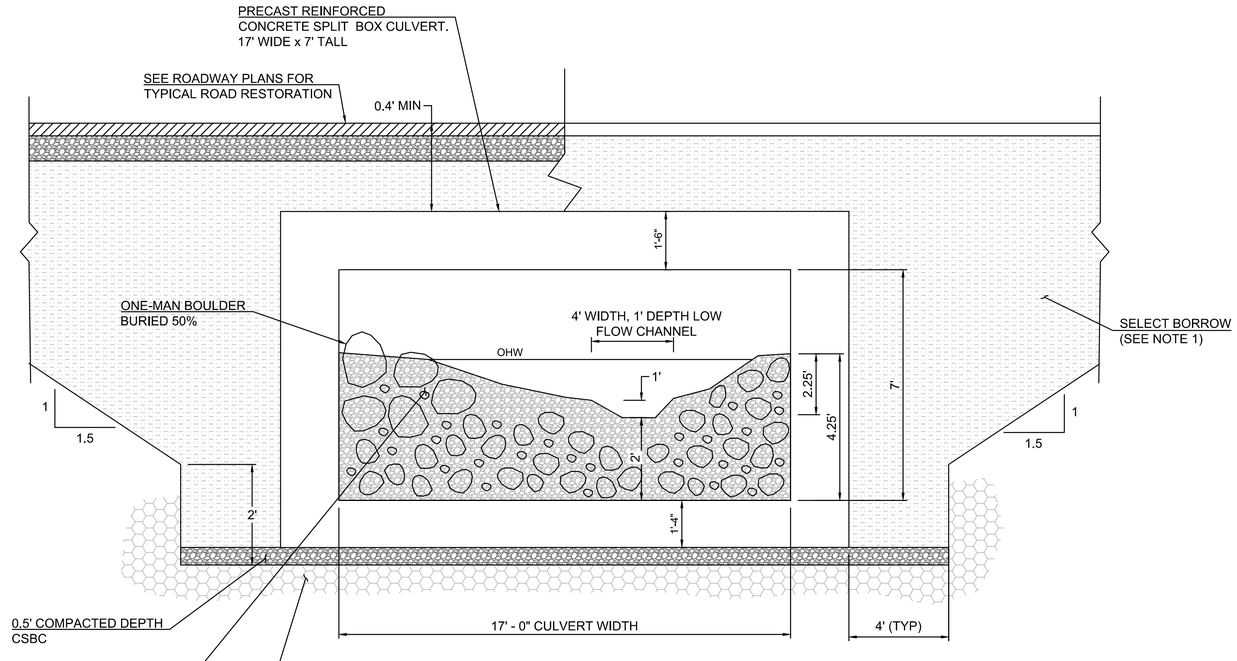
1. LARGE WOODY DEBRIS FEATURES, ONE-MAN BOULDERS, AND THALWEG LOCATIONS ARE TO BE PLACED AS SHOWN ON PLANS. MINOR CHANGES TO THE WOOD FEATURES CAN BE MADE IN THE FIELD BY THE ENGINEER.
2. STREAMBED MIX: ONE PART 8" COBBLES SHALL BE MIXED THOROUGHLY WITH ONE PART STREAMBED SEDIMENT. ONE-MAN STREAMBED BOULDERS SHALL BE PLACED AS DIRECTED BY THE ENGINEER.
3. STREAMBED SEDIMENT IS TO PROVIDE STABILITY TO THE STREAMBED MIX AND BE PLACED IN AREA OF VOIDS TO CREATE A UNIFORM, NON-POROUS BED.



NOTES:

1. THE ROCK FACING FOUNDATION AND/OR KEYWAY IS TO BE CLEARED OF ORGANIC MATTER AND DEBRIS AND THE UNDERLYING MINERAL SOIL COMPACTED TO A MINIMUM 95% OF THE MAXIMUM DRY DENSITY.
2. ROCK WALL SHALL BE BUILT PER SECTION 8-24 OF THE WSDOT STANDARD SPECIFICATIONS.

3 **ROCKERY WALL**
NOT TO SCALE

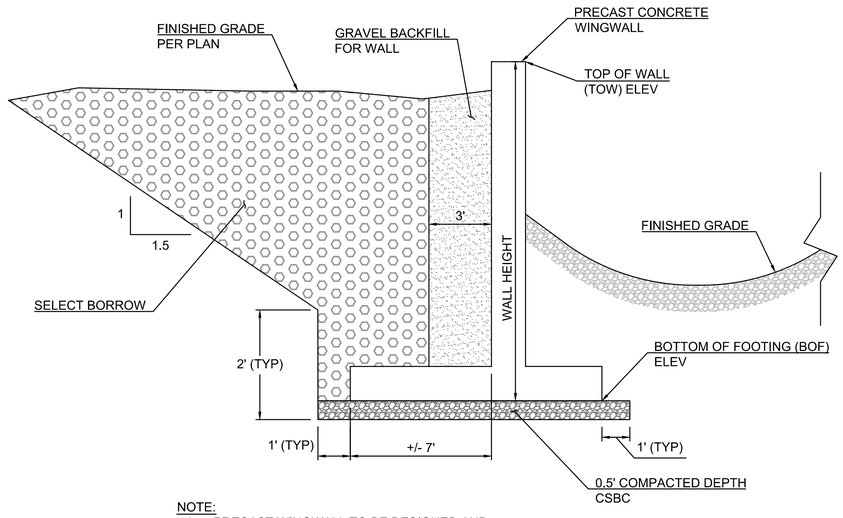


SECTION A-A

NOTES:

1. NO BACKFILL MATERIAL GREATER THAN 3" DIAMETER SHALL BE AGAINST THE BOX CULVERT.

1 **PRECAST SPLIT BOX CULVERT**
NOT TO SCALE



NOTE:

1. PRECAST WINGWALL TO BE DESIGNED AND PROVIDED BY CULVERT SUPPLIER. ENGINEER TO APPROVE DESIGN PRIOR TO CONSTRUCTION.

2 **PRECAST CONCRETE WINGWALL**
NOT TO SCALE

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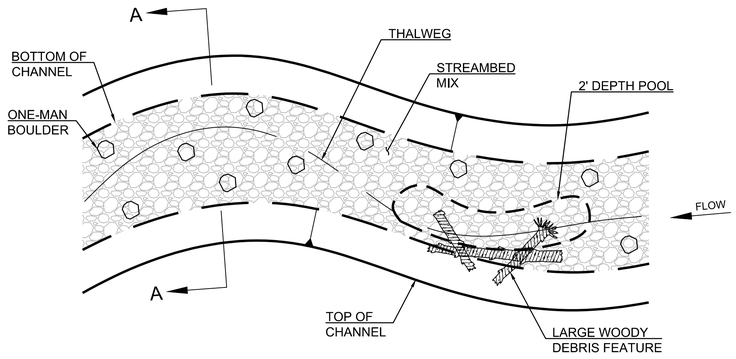
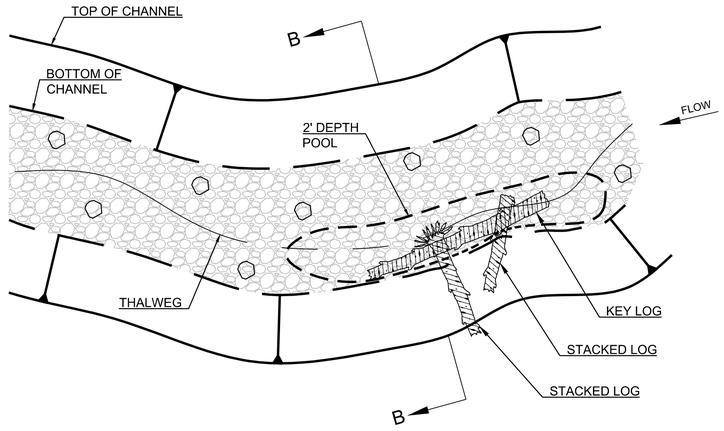


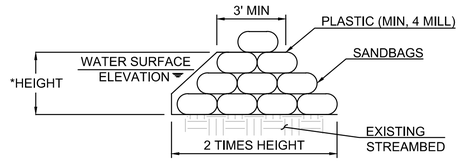
CHANNEL PLAN



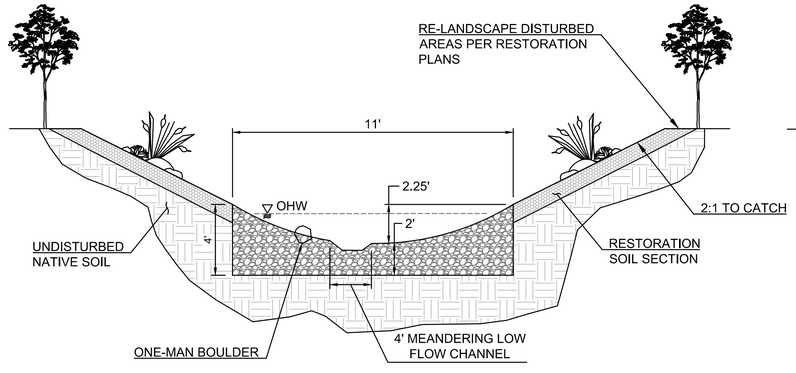
LARGE WOODY DEBRIS PLAN

GENERAL NOTES:

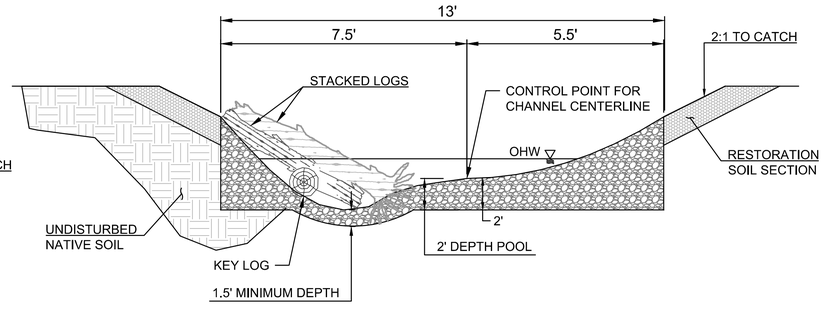
1. LARGE WOODY DEBRIS FEATURES, ONE-MAN BOULDERS, AND THALWEG LOCATIONS ARE TO BE PLACED AS SHOWN ON PLANS. MINOR CHANGES TO THE WOOD FEATURES CAN BE MADE IN THE FIELD BY THE ENGINEER.
2. STREAMBED MIX: ONE PART 8" COBBLES SHALL BE MIXED THOROUGHLY WITH ONE PART STREAMBED SEDIMENT. ONE-MAN STREAMBED BOULDERS SHALL BE PLACED AS DIRECTED BY THE ENGINEER.
3. STREAMBED SEDIMENT IS TO PROVIDE STABILITY TO THE STREAMBED MIX AND BE PLACED IN AREA OF VOIDS TO CREATE A UNIFORM, NON-POROUS BED.



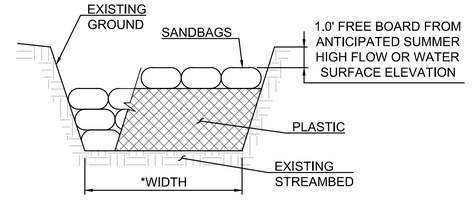
PROFILE VIEW



CHANNEL SECTION A-A



LARGE WOODY DEBRIS SECTION B-B



SECTION VIEW

NOTES:

1. SANDBAGS SHALL BE USED IN ACCORDANCE WITH APPLICABLE PERMITS.
2. INSTALL COFFER DAM AND DEWATER SITE PRIOR TO CONSTRUCTION.
3. WATER BLADDERS, SUPER SACKS, OR APPROVED EQUAL CAN BE USED AS ALTERNATIVES TO COFFERDAMS.
4. PROVIDE 1.0' FREEBOARD.

*HEIGHT AND WIDTH OF COFFER DAM SHALL BE DETERMINED BY THE WATER SURFACE ELEVATION AT THE TIME OF CONSTRUCTION.

1 **GEORGE DAVIS CREEK CHANNEL**
NOT TO SCALE

2 **LARGE WOODY DEBRIS FEATURE**
NOT TO SCALE

3 **COFFERDAM**
NOT TO SCALE

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Filename: L:\Projects\45000\45015\45015-004\Civil\CAD\Working\Sheets\C-502 GEORGE DAVIS CREEK STREAM DETAIL.dwg Layout Tab: C-502 GEORGE DAVIS CREEK STREAM DETAIL User: Doug Ehlebracht CAD Plot Date/Time: 11/1/2019 4:26:52 PM

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GEORGE DAVIS CREEK STREAM DETAIL FOR:

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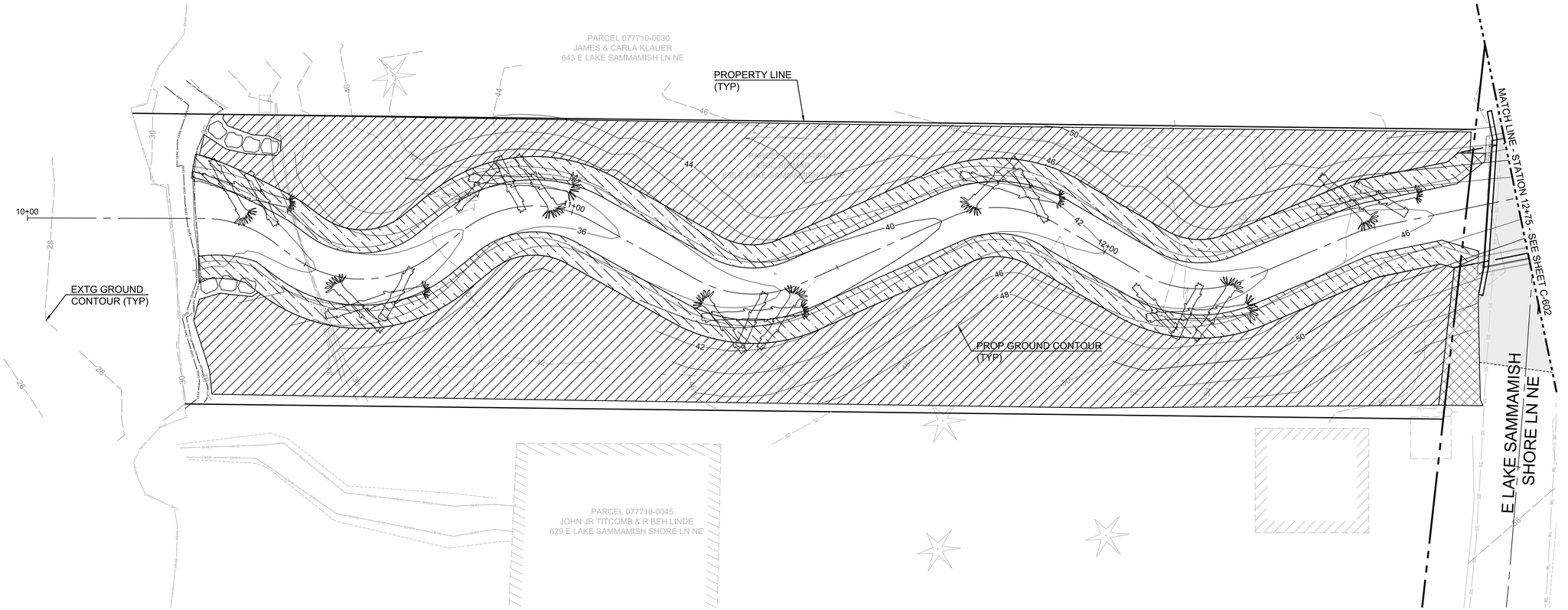

PLANTING MITIGATION NOTES:

1. EXISTING PLANT MATERIAL IS TO BE PROTECTED DURING CONSTRUCTION AS DIRECTED BY THE ENGINEER. ANY TREES DAMAGED DUE TO CONSTRUCTION ACTIVITIES ARE TO BE REPLACED.
2. NO PLANTS SHALL BE INSTALLED WITHIN 10' OF PAVEMENT OR ROAD.
3. HYDROSEEDING TO BE APPLIED TO BARE GROUND ONLY.

LEGEND:

- TREE RIPARIAN MIX (TRM)
- LIVE STAKE MIX (LSM)
- RESTORATION SEED MIX

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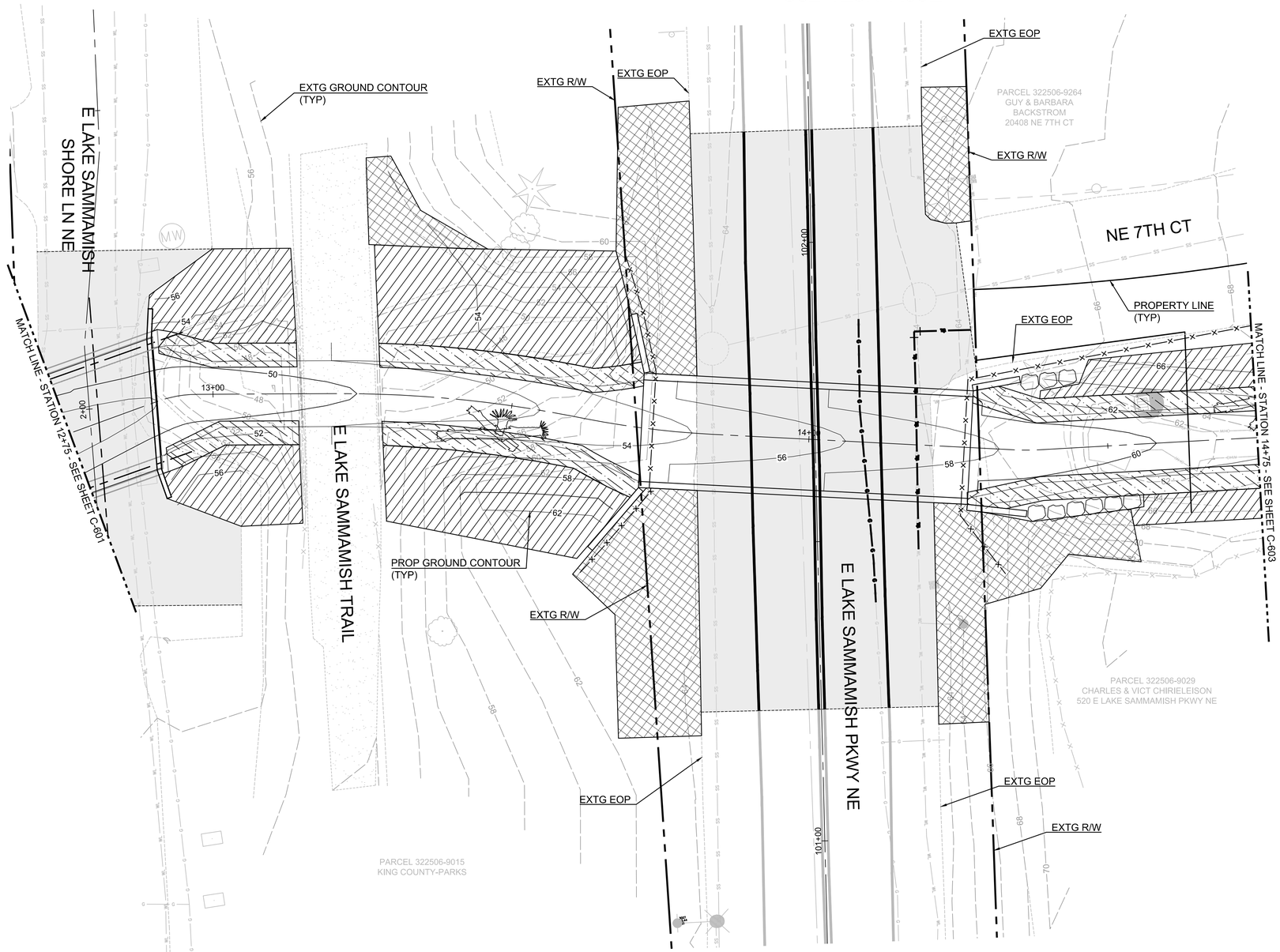
SHEET 19 OF 23

S32-T25N-R06E



Scale 1" = 10'

0 5 10 20

PLANTING MITIGATION NOTES:

1. EXISTING PLANT MATERIAL IS TO BE PROTECTED DURING CONSTRUCTION AS DIRECTED BY THE ENGINEER. ANY TREES DAMAGED DUE TO CONSTRUCTION ACTIVITIES ARE TO BE REPLACED.
2. NO PLANTS SHALL BE INSTALLED WITHIN 10' OF PAVEMENT OR ROAD.
3. HYDROSEEDING TO BE APPLIED TO BARE GROUND ONLY.

LEGEND:

- TREE RIPARIAN MIX (TRM)
- LIVE STAKE MIX (LSM)
- RESTORATION SEED MIX

30% PLAN SET

Full Size Sheet Format Is 22x34; If Printed Size Is Not 22x34, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.

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SAMMAMISH, WASHINGTON

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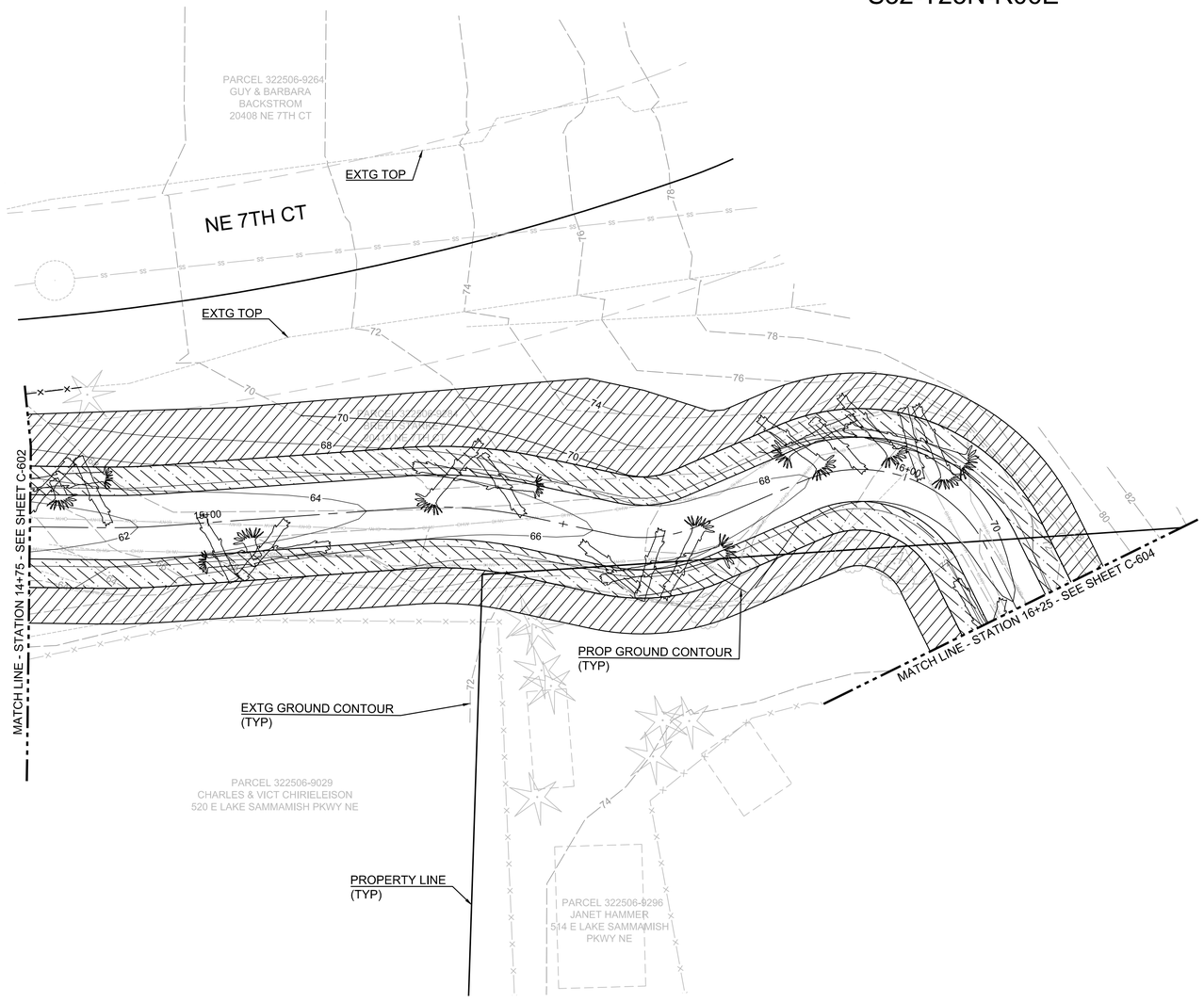
NOVEMBER 2019
45015-004

SHEET ID
C-602
SHEET 20 OF 23

Filename: L:\Projects\45000\45015\45015-004\Civil\CAD\Working\Sheets\C-601 RESTORATION PLAN.dwg Layout Tab: C-602 RESTORATION PLAN User: Doug Ehlebracht CAD Plot Date/Time: 11/1/2019 4:27:07 PM

S32-T25N-R06E



Scale 1" = 10

0 5 10 20

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- RESTORATION SEED MIX

30% PLAN SET

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C-603

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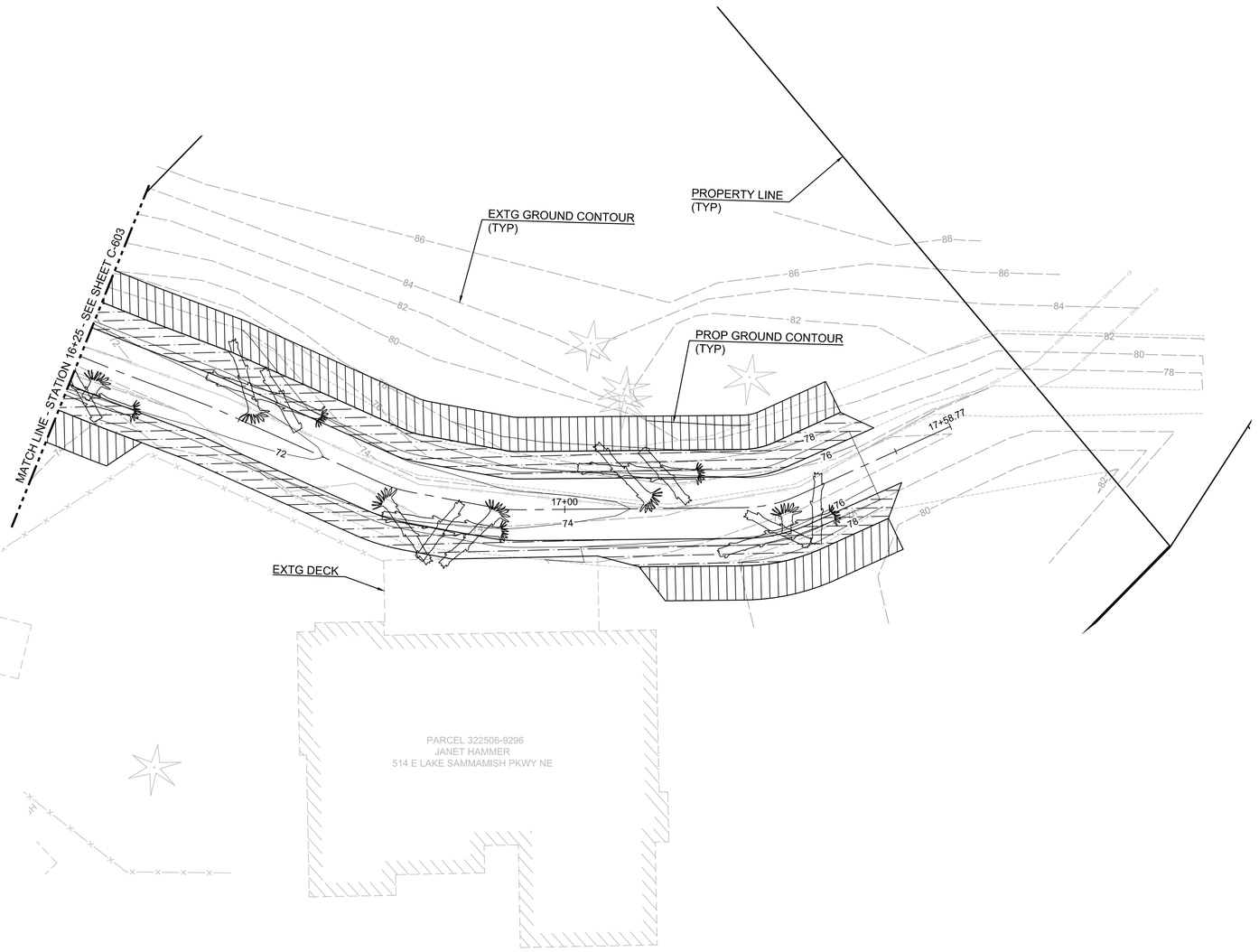

Scale 1" = 10

0 5 10 20

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SHEET ID
C-604
SHEET 22 OF 23

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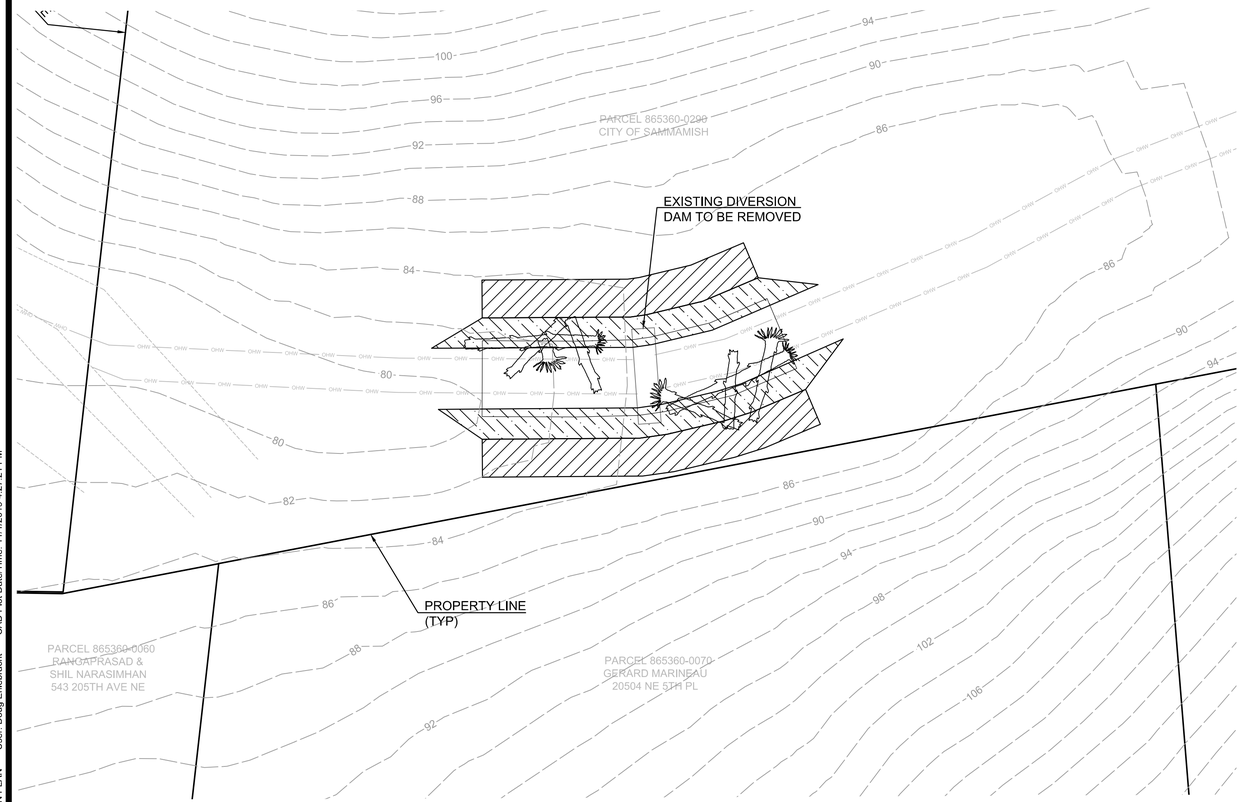

Scale 1" = 10'

0 5 10 20

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