WASHINGTON DEPARTMENT OF FISH AND WILDLIFE

KENMORE BOAT RAMP AND ACCESS SITE REDEVELOPMENT

INDEX

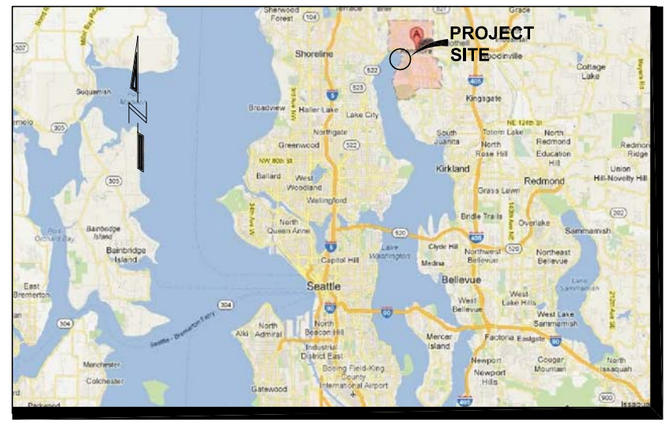
SHEET NO.

CIVIL

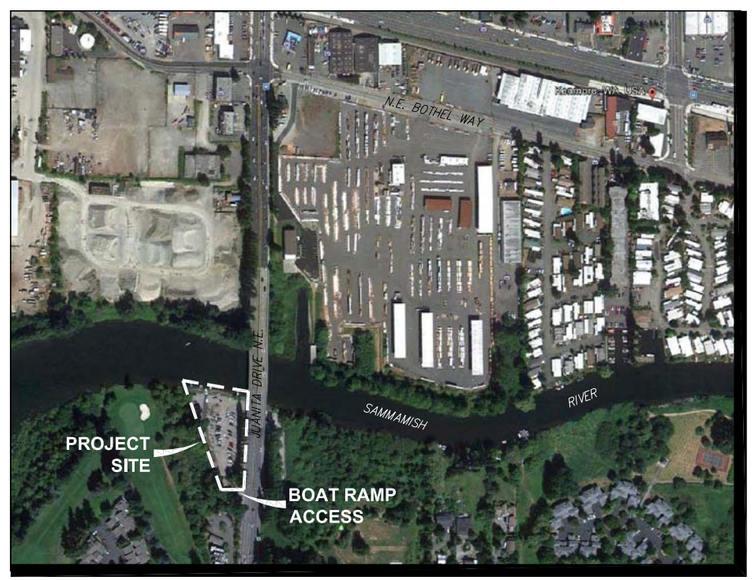
C1 TITLE SHEET LIST
C2 EXISTING CONDITIONS AND DEMOLITION
C3 TEMPORARY EROSION AND SEDIMENT CONTROL PLAN
C4 TEMPORARY EROSION AND SEDIMENT CONTROL DETAILS
C5 SITE PLAN AND LANDSCAPING
C6 GRADING AND SURFACE WATER DRAINAGE
C7 STORMWATER DRAINAGE DETAILS
C8 PAVING PLAN
C9 PAVING DETAILS
C10 SIGNAGE, STRIPING AND TRAFFIC ACCESS PLAN

STRUCTURAL

S1 BOAT RAMP PLAN AND PROFILE
S2 BOAT RAMP DETAILS



PROJECT LOCATION



SITE LOCATION

ABBREVIATIONS

ALUM	– ALUMINUM	M.B.	– MACHINE BOLT
∡	– ANGLE	MFG.	– MANUFACTURER'S
APPROX.	– APPROXIMATELY	MISC.	– MISCELLANEOUS
BM	– BENCH MARK	MOD.	– MODEL
℄	– CENTERLINE	OC	– ON CENTER
CLR.	– CLEARANCE	OSB	– ORIENTED STRAND BOARD
CONC	– CONCRETE	OD	– OUTSIDE DIAMETER
ø	– DIAMETER	PAV'T	– ASPHALT CONCRETE PAVEMENT
ELEV	– ELEVATION	PL	– PLATE
F.B.	– FLAT BAR	PT	– PRESSURE TREATED
F.C.	– FISH CONDUIT	REQ'D	– REQUIRED
FTG	– FOOTING	SEC.	– SECTION
F.W.	– FISHWAY	S.F.	– SQUARE FEET
GALV	– GALVANIZED	SHT.	– SHEET
GA.	– GAUGE	SPEC'S.	– PROJECT SPECIFICATIONS
HSS	– STRUCTURAL TUBING	S.S.	– STAINLESS STEEL
ID	– INSIDE DIAMETER	TYP	– TYPICAL
IE	– INVERT ELEVATION	UFW	– UPPER FISHWAY
LFW	– LOWER FISHWAY	W.S.	– WATER SURFACE
LG	– LONG		

PROJECT DESIGN TEAM

PROJECT OWNER/DEVELOPER
WASHINGTON DEPARTMENT OF
FISH & WILDLIFE
600 CAPITOL WAY NORTH
OLYMPIA, WASHINGTON 98501

PROJECT ENGINEER
PND ENGINEERS, INC
ATT. GARY WATTERS, P.E.
811 FIRST AVENUE, SUITE 570
SEATTLE, WASHINGTON 98104
PH: (206) 624-1387

LANDSCAPE ARCHITECT
HBB LANDSCAPE ARCHITECTURE
ATT. JULIET VONG, ASLA, LEED AP
215 WESTLAKE AVENUE NORTH
SEATTLE WA. 98109
PH: (206) 682-3051

WATER LEVEL DATA	
100 YEAR FLOOD	19.2'
ORDINARY HIGH WATER (OHW)	18.2'
LOW LOW WATER (LLW)	16.8'

NOTE:
IF THIS DRAWING IS NOT 24"x36" IT IS A REDUCED PRINT. SCALE ACCORDINGLY.

SEPA PERMIT
-FOR REVIEW-

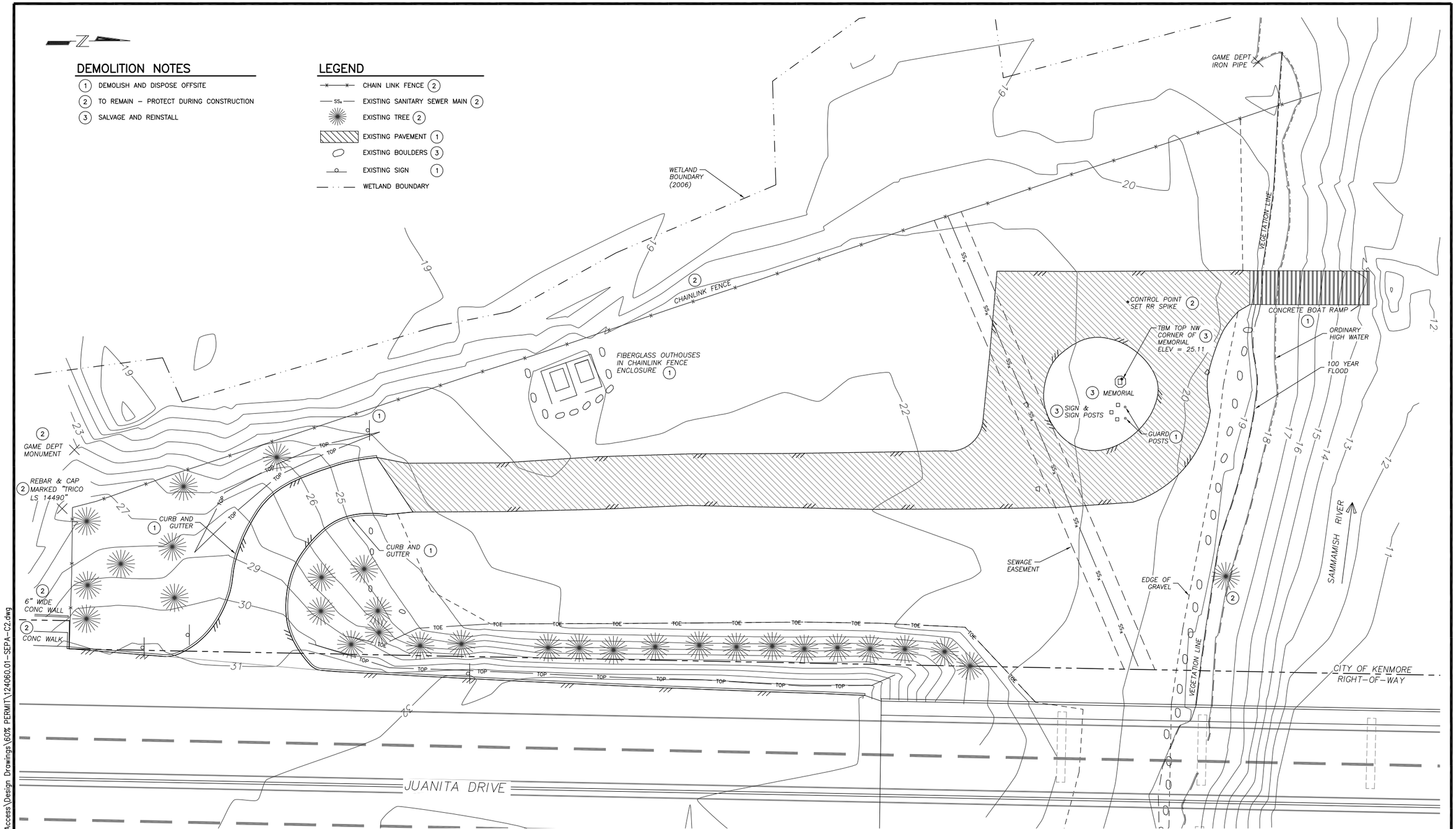
PROJECT NO.	
SHEET C1	OF 12

DEMOLITION NOTES

1. DEMOLISH AND DISPOSE OFFSITE
2. TO REMAIN – PROTECT DURING CONSTRUCTION
3. SALVAGE AND REINSTALL

LEGEND

- CHAIN LINK FENCE (2)
- EXISTING SANITARY SEWER MAIN (2)
- EXISTING TREE (2)
- EXISTING PAVEMENT (1)
- EXISTING BOULDERS (3)
- EXISTING SIGN (1)
- WETLAND BOUNDARY



PLAN
SCALE: 1" = 15'-0"
0 5 10 15 30FT

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WASHINGTON STATE
DEPARTMENT OF FISH AND WILDLIFE

SYM	DATE	REVISION DESCRIPTION	BY

APPROVED AND RELEASED FOR CONSTRUCTION
CHIEF ENGINEER ..... DATE: .....
PROGRAM ..... DATE: .....

0 — 1"
BAR MEASURES ONE INCH ON ORIGINAL DRAWINGS

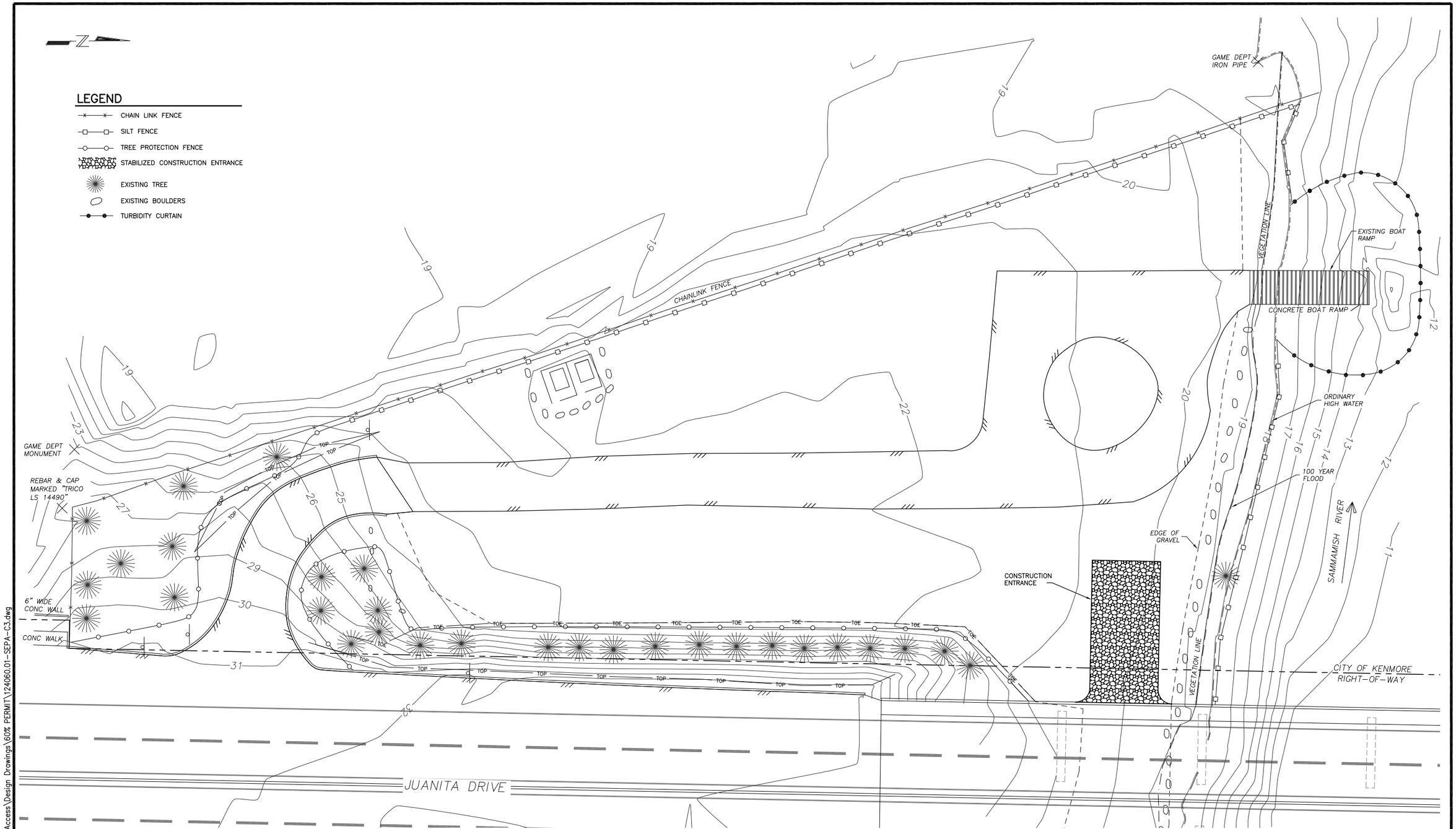
DESIGNED BY SR
CHECKED BY SR
DRAWN BY DRH
DATE JAN. 2012

KENMORE ACCESS – SAMMAMISH RIVER
ACCESS SITE REDEVELOPMENT
EXISTING CONDITIONS AND DEMOLITION

PROJECT NO.

SHEET C2 OF 12

12/6/12
Drawings\2012\124060.01 – Kenmore Access\Design Drawings\60% PERMIT\124060.01-SEPA-C2.dwg



PLAN
SCALE: 1" = 15'-0"
0 5 10 15 30FT

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DRAWN BY DRH
DATE DEC. 2012

KENMORE ACCESS – SAMMAMISH RIVER
ACCESS SITE REDEVELOPMENT
TEMPORARY EROSION AND SEDIMENT COMTROL

PROJECT NO.
SHEET C3 OF 12

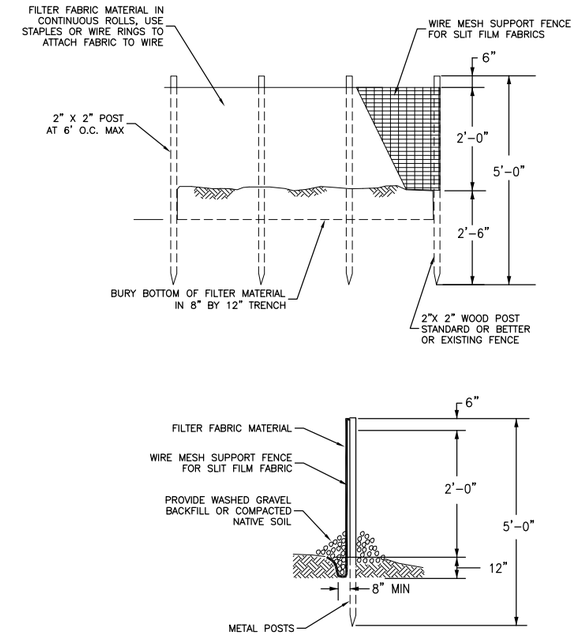
12/6/12
Drawings\2012\124060.01 – Kenmore Access\Design Drawings\60% PERMIT\124060.01-SEPA-C3.dwg

GENERAL EROSION AND SEDIMENT CONTROL NOTES

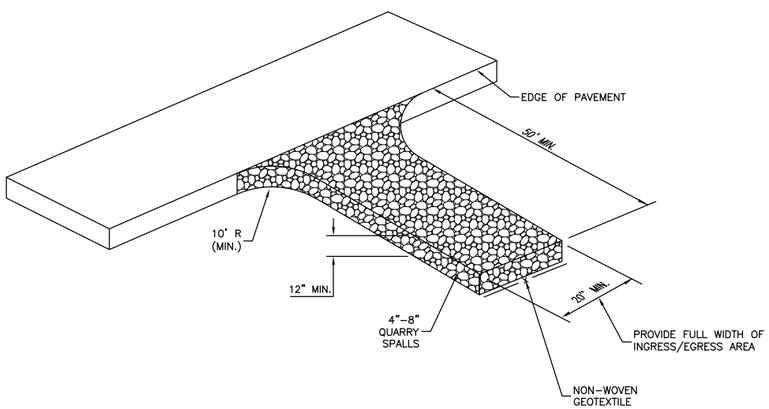
1) The implementation of these TESC plans and the construction, maintenance, replacement and upgrading of these TESC facilities is the responsibility of the contractor until all construction is approved.
2) The TESC facilities shown on this plan must be constructed prior to or in conjunction with all clearing and grading so as to ensure that the transport of sediment to surface waters, drainage systems, and adjacent properties is minimized.
3) The TESC facilities shown on this plan are the minimum requirements for anticipated site conditions. During the construction period, these TESC facilities shall be upgraded asneeded for unexpected storm events and modified to account for changing site conditions (e.g., additional sump pumps, relocation of ditches and silt fences, etc.).
4) The TESC facilities shall be inspected daily by the Contractor and maintained to ensure continued proper functioning. Written records shall be kept of weekly reviews of the TESC facilities during the wet season.
5) Any areas of exposed soils, including roadway embankments, that will not be disturbed for two days during the wet season or seven days during the dry season shall be immediately stabilized with the approved TESC methods (e.g., mulching, plastic covering, etc.).
6) Any area needing TESC measures not requiring immediate attention shall be addressed within fifteen (15) days.
7) The TESC facilities on inactive sites shall be inspected and maintained a minimum of once a month or within forty–eight (48) hours following a storm event.
8) At no time shall more than one (1) foot of sediment be allowed to accumulate within a catch basin. All catch basins and conveyance lines shall be cleaned prior to paving. The cleaning operation shall not flush sediment–laden water into the downstream system.
9) Stabilized construction entrances and roads shall be installed at the beginning of construction and maintained for the duration of the project. Additional measures, such as wash pads, may be required to ensure that all paved areas are kept clean for the duration of the project. Where mulch for temporary erosion control is required, it shall be applied at a minimum thickness of 2 to 3 inches. No straw or hay bales permitted.
10) During the period of November 1 through March 31, all project disturbed areas greater than 5,000 square feet and where no further work is anticipated for a period of fifteen (15) days, shall be covered by one of the following cover measures: mulch or plastic covering.

SITE SPECIFIC EROSION CONTROL NOTES

1) Contractor is required to ensure no tracking of mud onto paved surfaces and will be required to install a wheel wash if tracking is persistent and can not be prevented.
2) Contractor is required to clean any debris and tracked mud on paved surfaces immediately.



FILTER FABRIC FENCE
NOT TO SCALE



STABILIZED CONSTRUCTION ENTRANCE
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CHECKED BY SR
DRAWN BY DRH
DATE DEC. 2012

KENMORE ACCESS – SAMMAMISH RIVER
ACCESS SITE REDEVELOPMENT
TEMPORARY EROSION AND SEDIMENT CONTROL DETAILS

PROJECT NO.

SHEET C4 OF 12

12/6/12
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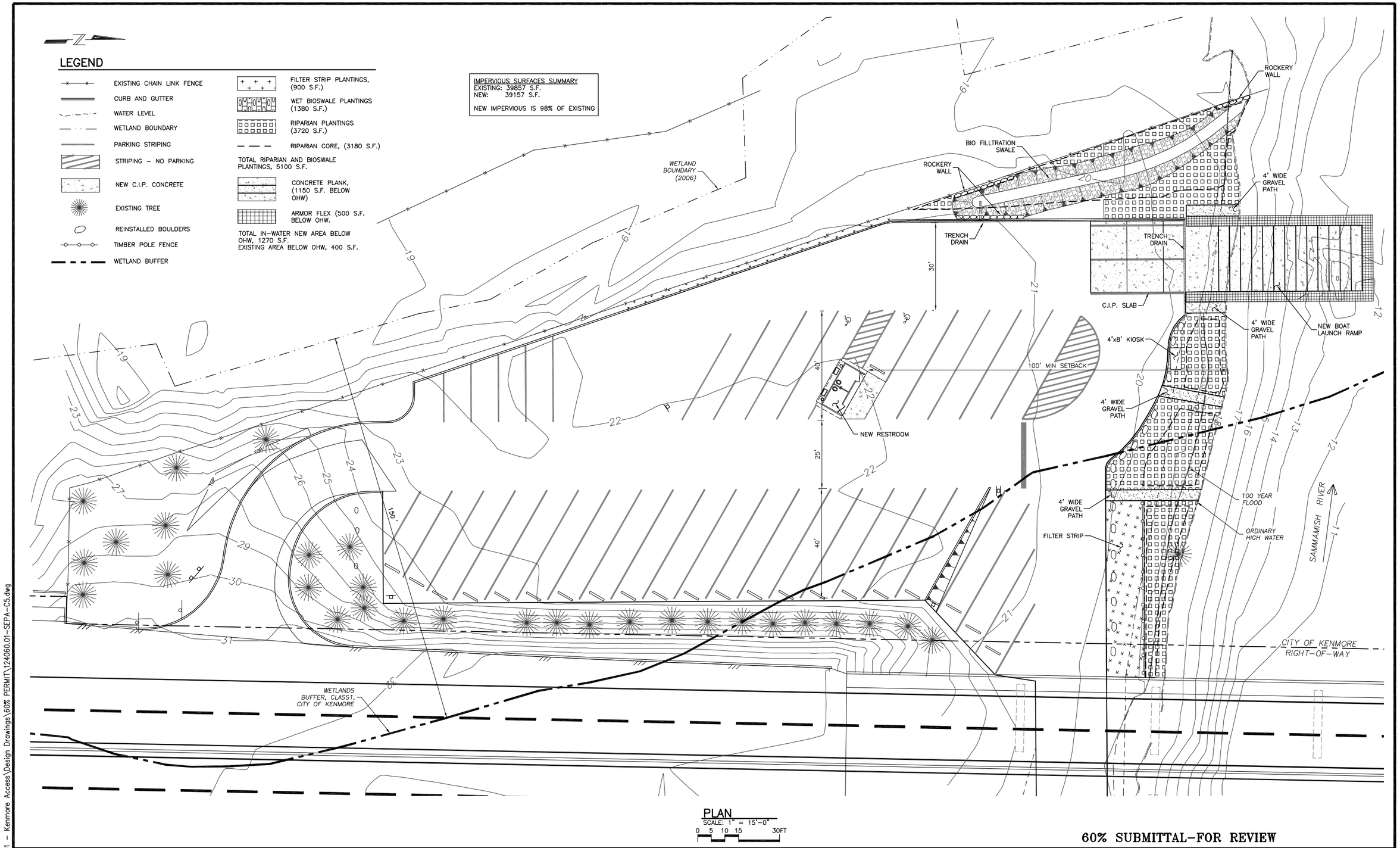
APPENDIX A: PROJECT DRAWINGS



PLAN
SCALE: 1" = 15'-0"
0 5 10 15 30FT

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BAR MEASURES ONE INCH ON ORIGINAL DRAWINGS

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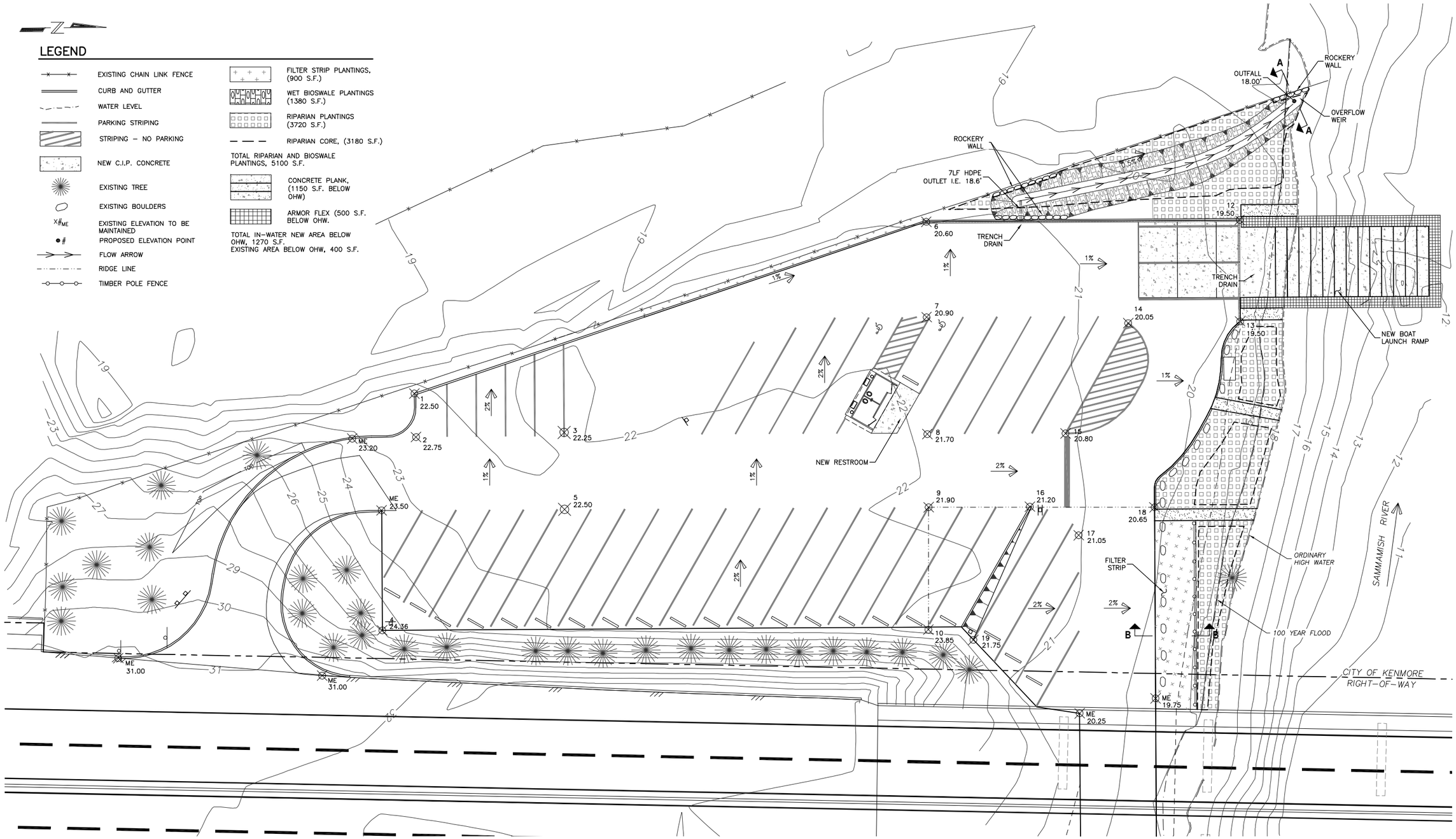
CHECKED BY XXX
DRAWN BY DRH
DATE NOV. 2012

KENMORE ACCESS – SAMMAMISH RIVER
ACCESS SITE REDEVELOPMENT
SITE PLAN AND LANDSCAPING

PROJECT NO.
SHEET C5 OF

12/6/12
Drawings\2012\124060.01 – Kenmore Access\Design Drawings\60% PERMIT\124060.01-SEPA-C5.dwg



PLAN
SCALE: 1" = 15'-0"
0 5 10 15 30FT

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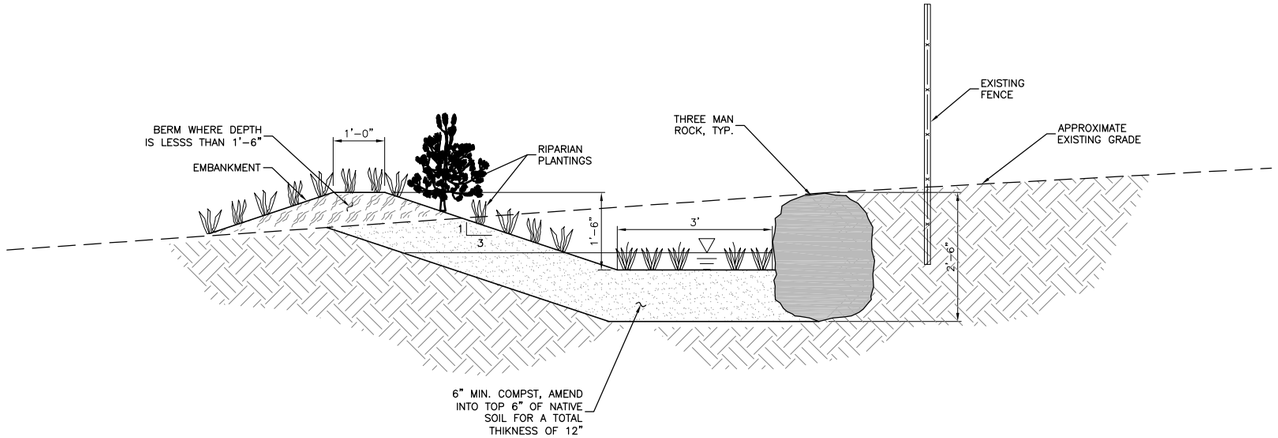
KENMORE ACCESS – SAMMAMISH RIVER
ACCESS SITE REDEVELOPMENT
GRADING AND SURFACE WATER DRAINAGE

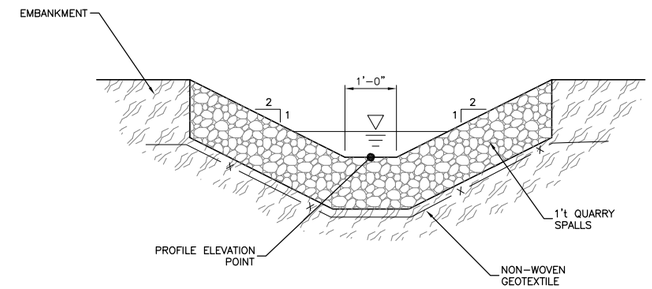
PROJECT NO.

SHEET C6 OF 12

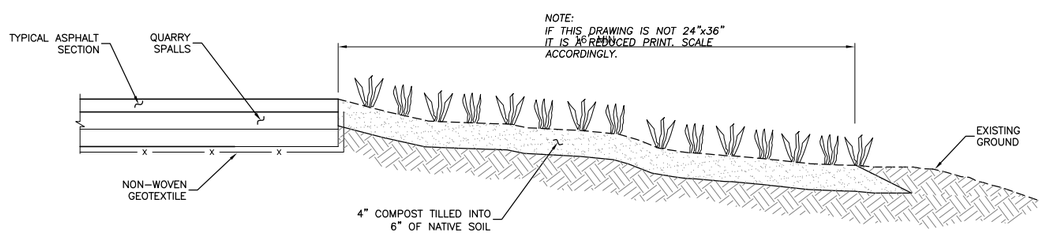
12/6/12
Drawings\2012\124060.01 – Kenmore Access\Design Drawings\60% PERMIT\124060.01–SEPA–C6.dwg



SECTION A–A
SCALE: 3/4" = 1'-0"



OUTLET CHANNEL
SCALE: 3/4" = 1'-0"



SECTION B–B
NOT TO SCALE

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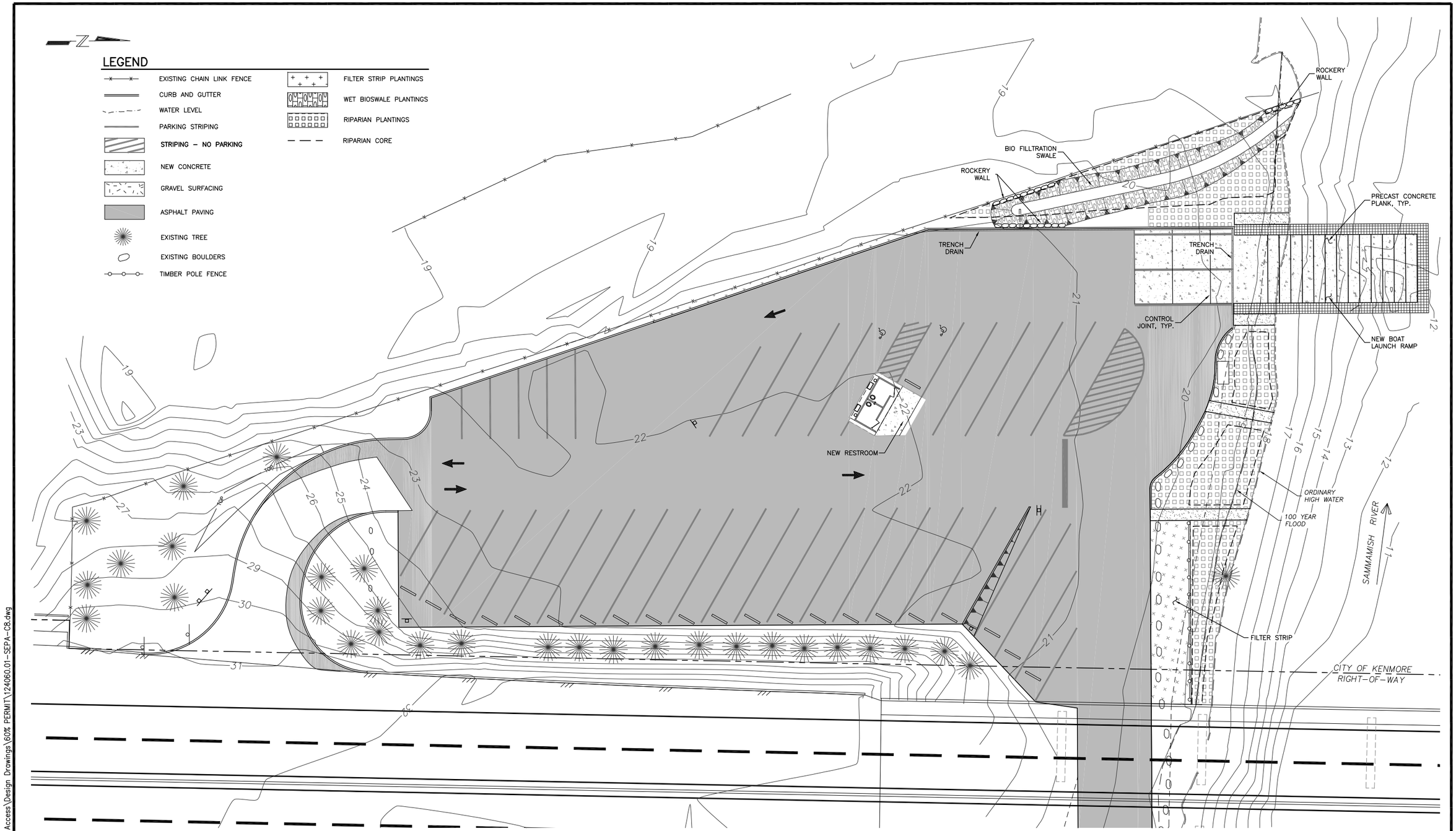
KENMORE ACCESS – SAMMAMISH RIVER
ACCESS SITE REDEVELOPMENT
STORMWATER DRAINAGE DETAILS

PROJECT NO.
SHEET C7 OF 12

12/6/12
Drawings\2012\124060.01 – Kenmore Access\Design Drawings\60% PERMIT\124060.01-SEPA-C7.dwg



PLAN
SCALE: 1" = 15'-0"
0 5 10 15 30FT

SEPA PERMIT–FOR REVIEW

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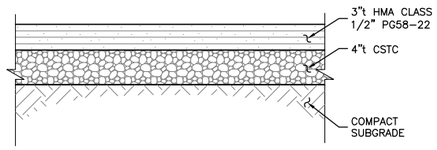
KENMORE ACCESS – SAMMAMISH RIVER
ACCESS SITE REDEVELOPMENT
PAVING PLAN

PROJECT NO.

SHEET C8 OF 12

12/6/12
Drawings\2012\124060.01 – Kenmore Access\Design Drawings\60% PERMIT\124060.01–SEPA–C8.dwg



TYPICAL HMA PARKING PAVING SECTION
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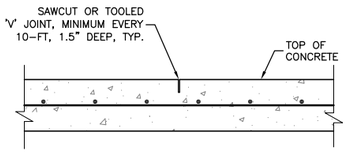
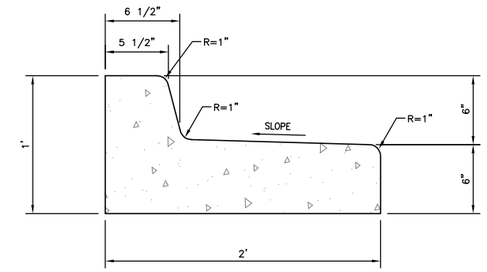


TYPICAL APPROACH SLAB CONTROL JOINT
SCALE: 1/8" = 1'-0"



CONCRETE CURB AND GUTTER
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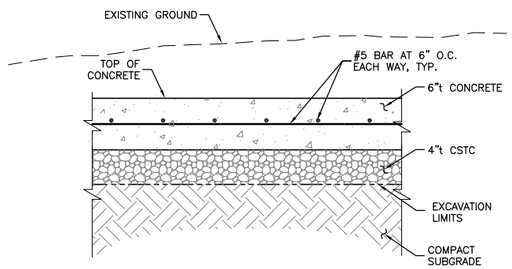

TYPICAL C.I.P SLAB DETAIL
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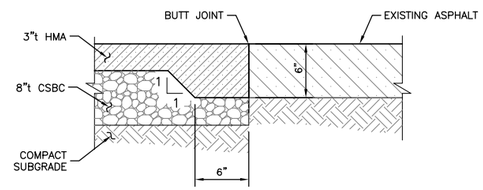

SAWCUT SECTION
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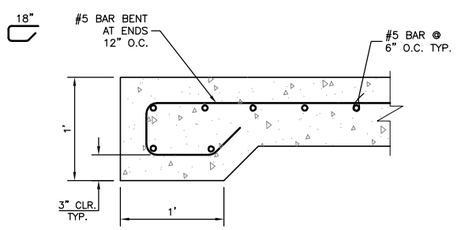

THICKENED CONCRETE EDGE SECTION
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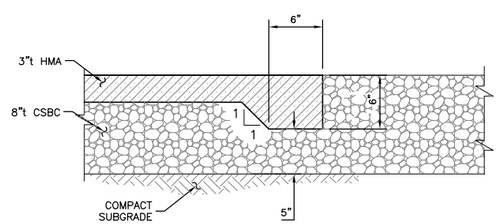

THICKEDNED ASPHALT EDGE SECTION
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KENMORE ACCESS – SAMMAMISH RIVER
ACCESS SITE REDEVELOPMENT
PAVING DETAILS

PROJECT NO.

SHEET C9 OF 12

12/6/12
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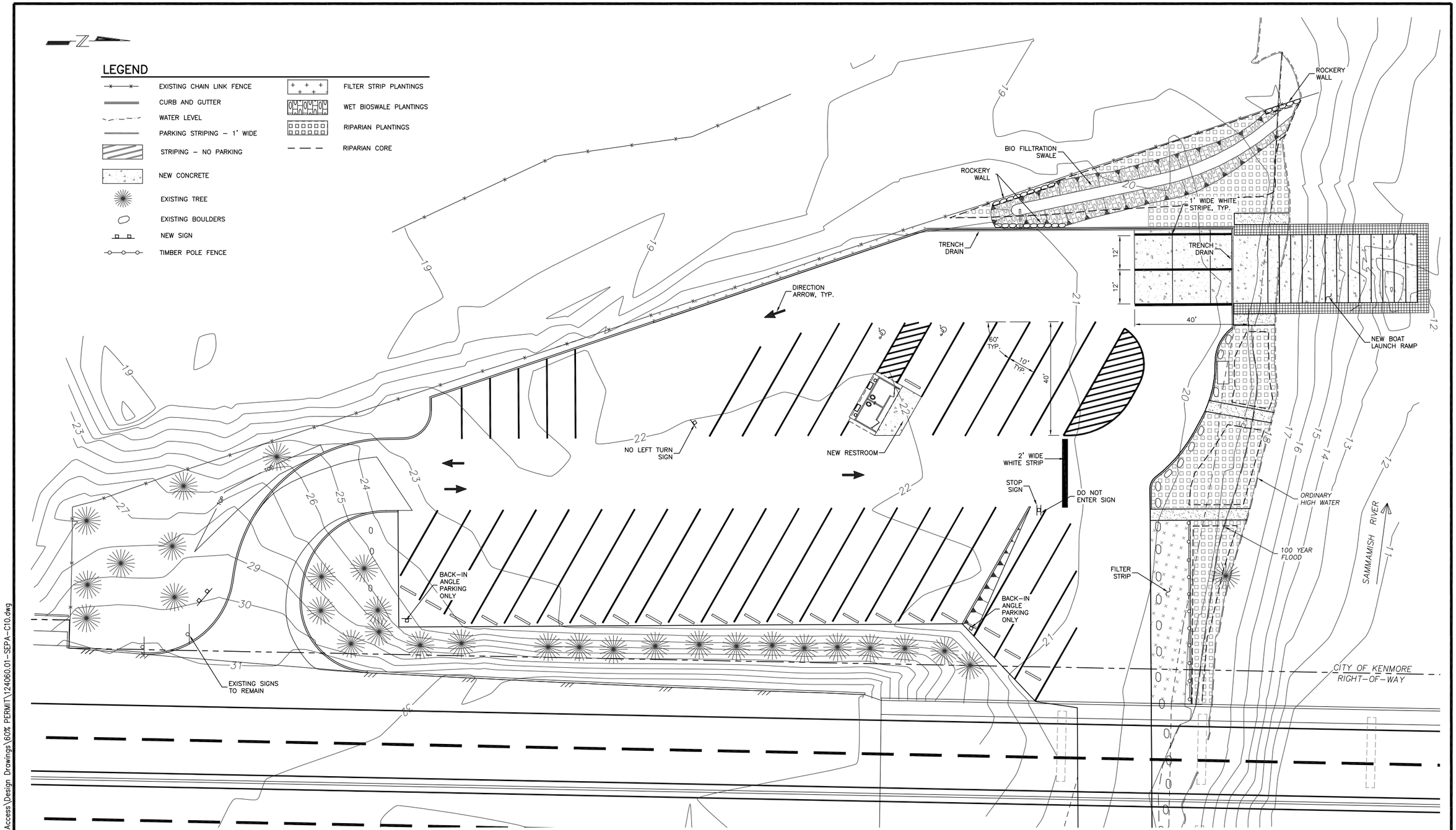

PLAN
SCALE: 1" = 15'-0"
0 5 10 15 30FT

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KENMORE ACCESS – SAMMAMISH RIVER
ACCESS SITE REDEVELOPMENT
SIGNAGE, STRIPING AND TRAFFIC ACCESS PLAN

PROJECT NO.
SHEET C10 OF 12

12/6/12
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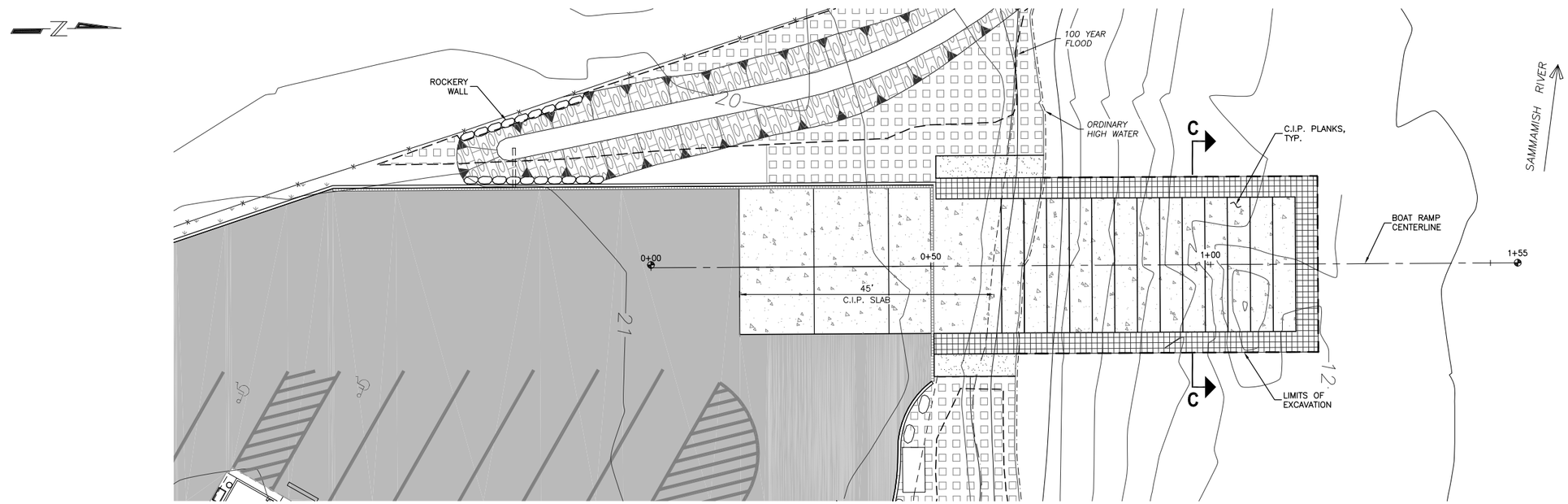


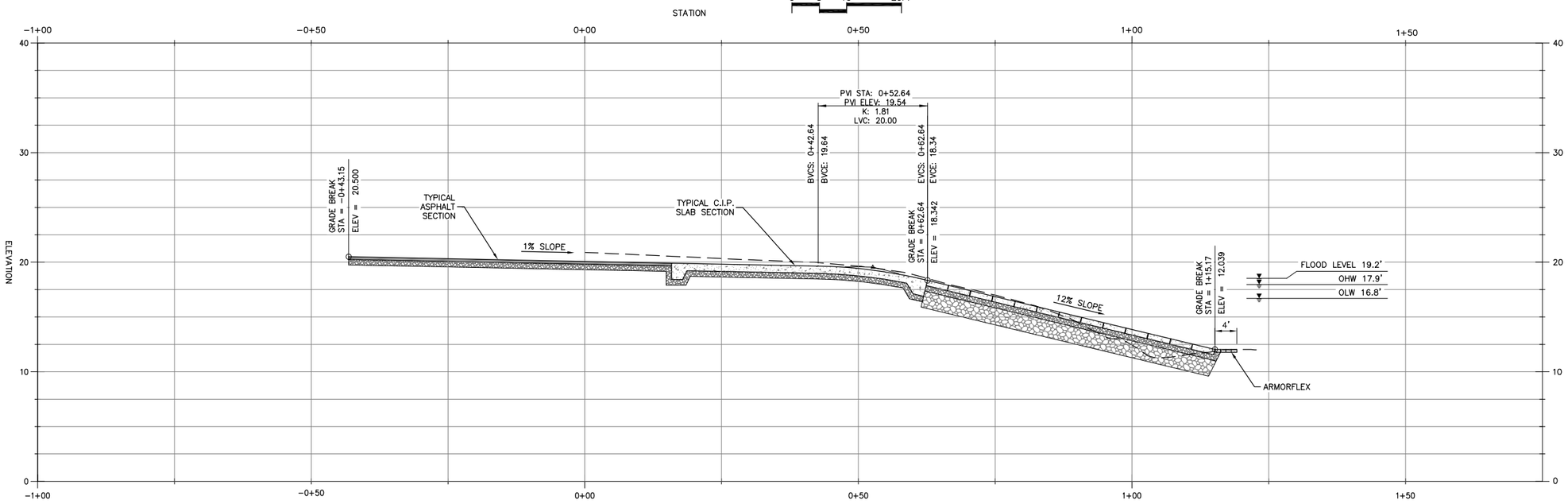
PLAN
SCALE: 1" = 10'-0"
0 5 10 20FT

LEGEND

- WATER LEVEL
- LIMITS OF EXCAVATION
- ARMOR FLEX
- NEW CONCRETE
- NEW ASPHALT PAVING
- QUARRY SPALLS
- BASE COURSE

IN-WATER QUANTITIES

	EXISTING	PROPOSED	TOTAL
AREA	400 SF	1270 SF	1670 SF
FILL VOLUME	16CY	106 CY	122 CY



PROFILE
SCALE: 1:2 VERTICAL

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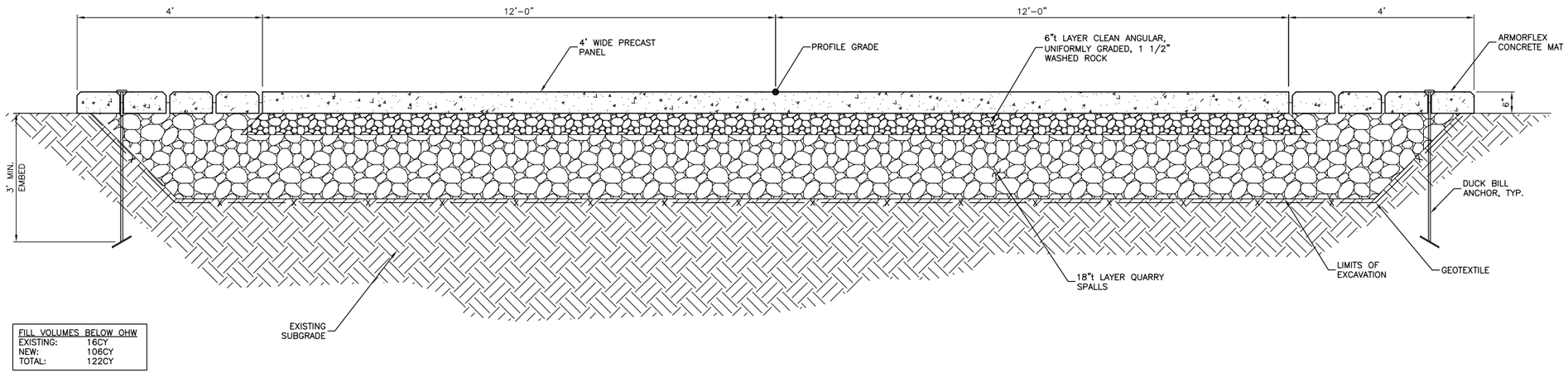
KENMORE ACCESS – SAMMAMISH RIVER
ACCESS SITE REDEVELOPMENT
BOAT RAMP PLAN AND PROFILE

PROJECT NO.

SHEET S1 OF 12

12/6/12
Drawings\2012\124060.01 – Kenmore Access\Design Drawings\60% PERMIT\124060.01-SEPA-S1.dwg



FILL VOLUMES BELOW OHW	
EXISTING:	16CY
NEW:	106CY
TOTAL:	122CY

SECTION C–C

SCALE: 3/4" = 1'-0"

0 1 2 3FT

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KENMORE ACCESS – SAMMAMISH RIVER

ACCESS SITE REDEVELOPMENT

BOAT RAMP PLAN AND DETAILS

PROJECT NO.

SHEET S2 OF 12

12/6/12
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