

WATER SYMBOLS

SYMBOL	EXIST.	PROP.	DESCRIPTION
[]	[]	[]	CAP/PLUG
[#]	[#]	[#]	COUPLING
[o]	[o]	[o]	GUARD POST
[v]	[v]	[v]	REDUCER
[^]	[^]	[^]	THRUST BLOCKING
[#]	[#]	[#]	WATER METER
[H]	[H]	[H]	FIRE HYDRANT 2-NOZZLE
[H]	[H]	[H]	FIRE HYDRANT 3-NOZZLE
[]	[]	[]	JOINTS: FLANGE/BLINDE FL (FL) (BL FL)
[C]	[C]	[C]	MECHANICAL JOINT (MJ)
[C]	[C]	[C]	PUSH-ON/HUB
[V]	[V]	[V]	VALVES: AIR RELIEF VALVE
[V]	[V]	[V]	BLOW-OFF VALVE
[V]	[V]	[V]	BUTTERFLY VALVE
[V]	[V]	[V]	GATE/GENERAL VALVE
[W]	[W]	[W]	WATER MANHOLE

GAS/POWER/TELEPHONE SYMBOLS

SYMBOL	EXIST.	PROP.	DESCRIPTION
[G]	[G]	[G]	GAS METER
[G]	[G]	[G]	GAS VALVE
[A]	[A]	[A]	PAD MOUNTED TRANSFORMER
[P]	[P]	[P]	POWER VAULT
[U]	[U]	[U]	UTILITY POLE
[U]	[U]	[U]	UTILITY POLE ANCHOR
[T]	[T]	[T]	TELEPHONE RISER
[T]	[T]	[T]	TELEPHONE VAULT
[T]	[T]	[T]	TELEPHONE MANHOLE

SURVEY SYMBOLS

SYMBOL	EXIST.	PROP.	DESCRIPTION
[A]	[A]	[A]	ANGLE POINT
[B]	[B]	[B]	BENCH MARK
[C]	[C]	[C]	BLOCK CORNER
[I]	[I]	[I]	IRON PIPE
[M]	[M]	[M]	MONUMENT (IN CASE)
[M]	[M]	[M]	MONUMENT (SURFACE)
[S]	[S]	[S]	SECTION DATA:
[S]	[S]	[S]	SECTION CENTER
[C]	[C]	[C]	SECTION CORNER
[Q]	[Q]	[Q]	QUARTER CORNER
[B]	[B]	[B]	SOIL BORING/POTHOLING

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SIGNALIZATION SYMBOLS

SYMBOL	EXIST.	PROP.	DESCRIPTION
[D]	[D]	[D]	DIPOLE DETECTOR
[Q]	[Q]	[Q]	QUADRAPOLE DETECTOR
[R]	[R]	[R]	ROUND LOOP DETECTOR
[P]	[P]	[P]	PEDESTRIAN DETECTOR
[I]	[I]	[I]	INDICATOR LIGHT
[O]	[O]	[O]	OPTICOM SENSOR
[F]	[F]	[F]	FLASHING WARNING SYSTEM
[J]	[J]	[J]	JUNCTION BOXES (TYPE 1, 2, 8)
[P]	[P]	[P]	PEDESTRIAN PUSHBUTTON POST W/ PUSHBUTTON
[S]	[S]	[S]	PEDESTRIAN SIGNAL HEAD
[N]	[N]	[N]	SIGNAL POLE NOTE
[C]	[C]	[C]	SIGNAL CONTROLLER
[L]	[L]	[L]	SIGNAL LOAD CENTER
[S]	[S]	[S]	STREET LIGHT ASSEMBLY
[B]	[B]	[B]	TRAFFIC SIGN-BRIDGE
[C]	[C]	[C]	TRAFFIC SIGN-CANTILEVERED
[S]	[S]	[S]	TRAFFIC SIGN-SINGLE POST
[D]	[D]	[D]	TRAFFIC SIGN-DOUBLE POST
[P]	[P]	[P]	TRAFFIC SIGNAL POLE
[P]	[P]	[P]	TRAFFIC SIGNAL POLE W/ LUMINAIRE
[S]	[S]	[S]	TRAFFIC SIGNAL SUPPORT POLE
[V]	[V]	[V]	VEHICLE SIGNAL HEAD
[V]	[V]	[V]	VEHICLE SIGNAL HEAD W/ ARROW INDICATOR
[W]	[W]	[W]	WIRE NOTE

SANITARY/STORM SEWER SYMBOLS

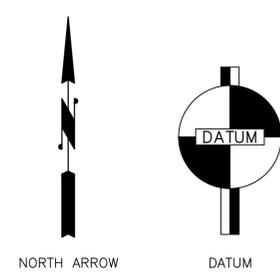
SYMBOL	EXIST.	PROP.	DESCRIPTION
[S]	[S]	[S]	SANITARY SEWER CLEAN OUT
[M]	[M]	[M]	SANITARY SEWER MANHOLE
[C]	[C]	[C]	STORM DRAIN CATCH BASIN, TYPE 1
[C]	[C]	[C]	STORM DRAIN CULVERT
[M]	[M]	[M]	STORM DRAIN MANHOLE OR CATCH BASIN, TYPE 2

CHANNELIZATION SYMBOLS

SYMBOL	EXIST.	PROP.	DESCRIPTION
[B]	[B]	[B]	BIKE PATH
[M]	[M]	[M]	BICYCLE DETECTION MARKING
[O]	[O]	[O]	ONLY
[S]	[S]	[S]	SCHOOL
[S]	[S]	[S]	STOP
[M]	[M]	[M]	MERGE ARROW
[A]	[A]	[A]	LT-RT-STR. ARROW
[L]	[L]	[L]	LEFT-RIGHT ARROW
[L]	[L]	[L]	2-WAY LEFT TURN
[L]	[L]	[L]	LEFT TURN ARROW
[R]	[R]	[R]	RIGHT TURN ARROW
[L]	[L]	[L]	LEFT-STRAIGHT ARROW
[R]	[R]	[R]	RIGHT-STRAIGHT ARROW
[Y]	[Y]	[Y]	YIELD LINE MARKING

SURFACE FEATURES/LANDSCAPING

SYMBOL	EXIST.	PROP.	DESCRIPTION
[M]	[M]	[M]	MAIL BOX
[R]	[R]	[R]	RIP RAP
[R]	[R]	[R]	ROCKERY
[S]	[S]	[S]	SHRUB
[S]	[S]	[S]	SIGN
[T]	[T]	[T]	TREE (CONIFER)
[T]	[T]	[T]	TREE (DECIDUOUS)
[F]	[F]	[F]	FENCE POST
[R]	[R]	[R]	WHEELCHAIR RAMP
[L]	[L]	[L]	YARD LIGHT



ABBREVIATIONS

ADJ	ADJUST
ALIGN	ALIGNMENT
ALT	ALTERNATE
AP	ANGLE POINT
APPROX	APPROXIMATELY
ASPH	ASPHALT
AVE	AVENUE
AVG	AVERAGE
BM	BENCH MARK
BOT	BOTTOM
BTWN	BETWEEN
CB	CATCH BASIN
CB1	CATCH BASIN TYPE 1
CB2	CATCH BASIN TYPE 2
CG	CURB & GUTTER
C/L, CL, C	CENTERLINE
COM	COMMON
CONC	CONCRETE
CONN	CONNECTION
CONST	CONSTRUCT
CONT	CONTINUED/CONTINUOUS
DET	DETAIL
DWG	DRAWING
E	EAST, VERTICAL DISTANCE BETWEEN PVI AND ROAD SURFACE
EA	EACH
EL	ELEVATION
EX, EXIST	EXISTING
FH	FIRE HYDRANT
FT	FEET/FOOT
G	GAS LINE
GIS	GEOGRAPHIC INFORMATION SYSTEM
GE	GROUND ELEVATION
GV	GAS VALVE
HORIZ	HORIZONTAL
HPS	HIGH PRESSURE SODIUM
HT	HEIGHT
IE	INVERT ELEVATION
IN	INCH/INCHES
INT	INTERSECTION
K	RATE OF VERTICAL CURVATURE (LENGTH (FT) PER % DIFF. IN GRADE)
KCDCS	KING COUNTY DESIGN AND CONSTRUCTION STANDARDS
L	LENGTH OF ARC
LB	POUND
LBS	POUNDS
LF	LINEAL FOOT/FEET
LT	LEFT
LUMIN	LUMINAIRE
MAX	MAXIMUM
MB	MAIL BOX
MH	MANHOLE
MIN	MINIMUM
MON	MONUMENT
N	NORTH
NA	NOT APPLICABLE
NTS	NOT TO SCALE
OPP	OPPOSITE
PC	POINT OF CURVE
PRC	POINT OF REVERSE CURVATURE
PT	POINT OF TANGENT
PVC	POLYVINYL CHLORIDE / POINT OF VERTICAL CURVE
PVI	POINT OF VERTICAL INTERSECTION
PVMT	PAVEMENT
PVT	POINT OF VERTICAL TANGENT
R	RADIUS
REF	REFERENCE
RR	RAILROAD
RT	RIGHT
R/W, ROW	RIGHT OF WAY
S	SOUTH
SD	STORM DRAIN
STLT	STREET LIGHT
SLJB	STREET LIGHTING JUNCTION BOX
SS	SANITARY SEWER
SPU	SEATTLE PUBLIC UTILITIES
ST	STREET
STA	STATION
S/W	SIDEWALK
TESC	TEMPORARY EROSION & SEDIMENT CONTROL
TOC	TOP OF CURB
TV	TELEVISION
UTIL	UTILITY
VERT	VERTICAL
W	WEST, WATER LINE
W/	WITH

LINETYPES

LINETYPE	DESCRIPTION
[S]	SURFACE FEATURES:
[S]	EXISTING BUILDING LINE
[S]	EXISTING DITCH
[S]	PROPOSED DITCH
[S]	EXISTING CURB/PAVEMENT/SIDEWALK
[S]	PROPOSED CURB/PAVEMENT/SIDEWALK
[S]	EXISTING FENCE LINE
[S]	PROPOSED FENCE LINE
[S]	EXISTING GRAVEL
[S]	EXISTING GUARDRAIL
[S]	PROPOSED GUARDRAIL
[S]	LAKE/POND
[S]	WETLAND/SWAMP PERIMETER
[S]	RAILROAD
[S]	EXISTING RETAINING WALL
[S]	PROPOSED RETAINING WALL
[S]	RIVERBANK/ShORELINE
[S]	VEGETATION LINE
[S]	SURVEY:
[S]	EXISTING CENTERLINE
[S]	PROPOSED CENTERLINE
[S]	EXISTING PROPERTY LINE
[S]	EXISTING RIGHT OF WAY
[S]	PROPOSED RIGHT OF WAY
[S]	SECTION LINE
[S]	QUARTER SECTION LINE
[S]	UTILITIES (EXISTING)
[S]	EXISTING BURIED TELEVISION
[S]	EXISTING GAS LINE
[S]	EXISTING AERIAL POWER
[S]	EXISTING BURIED POWER
[S]	EXISTING STORM DRAIN
[S]	EXISTING FORCE MAIN
[S]	EXISTING SANITARY SEWER
[S]	EXISTING AERIAL TELEPHONE
[S]	EXISTING BURIED TELEPHONE
[S]	EXISTING WATER LINE
[S]	EXISTING BURIED FIBER OPTIC
[S]	UTILITIES (PROPOSED)
[S]	PROPOSED GAS LINE
[S]	PROPOSED AERIAL POWER
[S]	PROPOSED BURIED POWER
[S]	PROPOSED STORM DRAIN
[S]	PROPOSED FORCE MAIN
[S]	PROPOSED SANITARY SEWER
[S]	PROPOSED AERIAL TELEPHONE
[S]	PROPOSED BURIED TELEPHONE
[S]	PROPOSED WATER LINE
[S]	CUSTOM:
[S]	CUT LINE
[S]	FILL LINE
[S]	PROPOSED CURB
[S]	PAVING LIMITS

LINETYPES

[S]	CUT
[S]	FILL
[S]	PROPOSED CURB
[S]	PAVING LIMITS

Jan 20, 2016 - 8:41am MickeyC, X:\Kenmore, City of Projects\20120170 - Professional Services Contract 12-C1082\015 - Log Boom Park Ped Bridge\CADD\Plan Sheets\20120170 015 GN.dwg Layout Name: GN1

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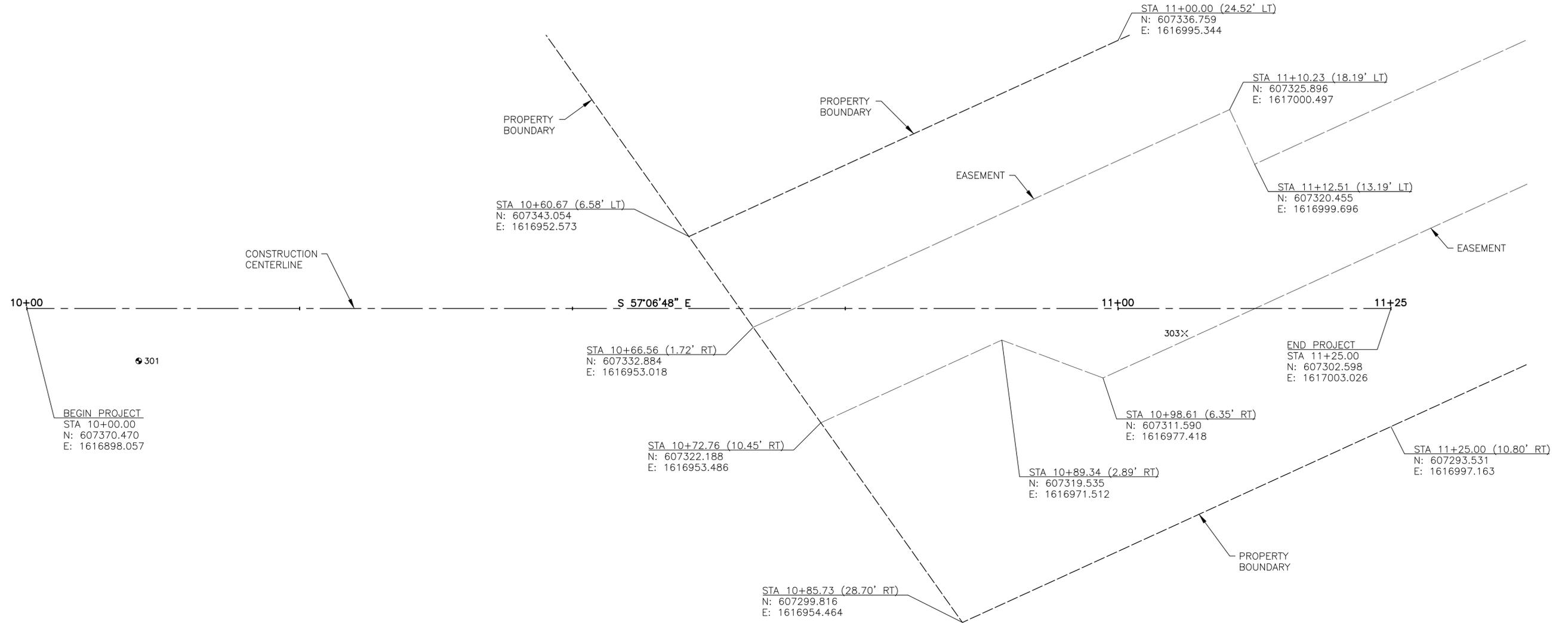
33807 REGISTERED PROFESSIONAL ENGINEER
1-13-16

Drawn By	Date	SCALE
J. BEAN	1/20/2016	Horiz N/A
Designed By	1/20/2016	Vert N/A
J. HUYLAR	1/20/2016	Project Number 20120170.015
Checked By	1/20/2016	
D. SMITH	1/20/2016	
Approved By		

CITY OF KENMORE
LOG BOOM PARK PEDESTRIAN BRIDGE
LEGEND & ABBREVIATIONS

Drawing No.	GN1
Sheet No.	2
of Total	11

SEC. 11, T. 26 N., R. 4 E., W.M.



PROJECT CONTROL:

VERTICAL DATUM

THE VERTICAL DATUM IS NAVD88 BASED ON RTK OBSERVATIONS OF THE THREE CONTROL POINTS, USING THE GEOID12A GEOID MODEL.

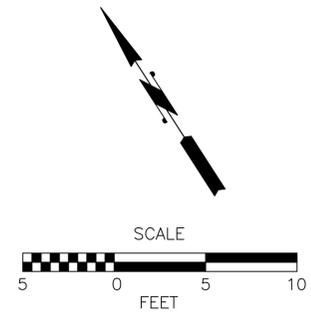
HORIZONTAL DATUM

THE PROJECT HORIZONTAL DATUM FOR THIS SURVEY ARE PROJECT COORDINATES, DERIVED FROM NAD83(2011) WASHINGTON NORTH ZONE STATE PLANE COORDINATES USING A COMBINED SCALE FACTOR OF 0.9999633584, AND ADDING 100,000.00 METERS TO BOTH THE NORTHING AND EASTING VALUES.

CONTROL POINT DESCRIPTIONS

- 300: PK NAIL WITH WASHER IN ASPHALT SIDEWALK BY ENTRANCE INTO LOG BOOM PARK OFF OF 175TH ST, APPROXIMATELY 20 FEET NORTHWEST OF RIGHT ANGLE WALL CORNER AROUND HARBOUR VILLAGE CONDOMINIUM PROPERTY.
- 301: 3.5" DIAMETER BRASS DISC SET IN CONCRETE NEAR SOUTH EDGE OF CONCRETE PATIO, 7 FEET FROM PARK BENCH, 1.3 FEET WEST OF SOUTHERLY END OF CURVED CONCRETE SEAM. DISC IS STAMPED WITH "CORPS OF ENGINEERS US ARMY 2013 LPCP-6."
- 303: TACK SET IN WOOD DECK, 18 FEET +/- WEST OF RAMP TO PIER 5, 1.7 FEET NORTH OF SOUTH EDGE OF DECK.

CONTROL - PROJECT COORDINATES					
POINT	NORTHING	EASTING	ELEVATION	STATION (OFFSET)	DESCRIPTION
300	607781.985	1616919.682	31.37	N/A	PK NAIL IN ASPHALT SIDEWALK (SEE PROJECT CONTROL NOTES)
301	607360.880	1616904.065	21.09	10+10.25 (4.79' RT)	BRASS DISC IN CONCRETE (SEE PROJECT CONTROL NOTES)
303	607310.961	1616985.903	23.67	11+06.08 (2.27' RT)	TACK SET IN WOOD DECK (SEE PROJECT CONTROL NOTES)



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Drawn By: C. ULERY Date: 1/20/2016
Designed By: J. GARVIN Date: 1/20/2016
Checked By: J. GARVIN Date: 1/20/2016
Approved By: D. SMITH Date: 1/20/2016

SCALE
Horiz 1"=5'
Vert N/A
Project Number 20120170.015

CITY OF KENMORE
LOG BOOM PARK PEDESTRIAN BRIDGE
ALIGNMENT PLAN

Drawing No. **AL1**
Sheet No. 3 of 11

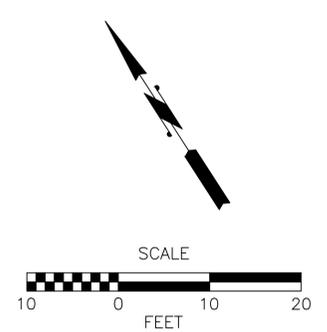
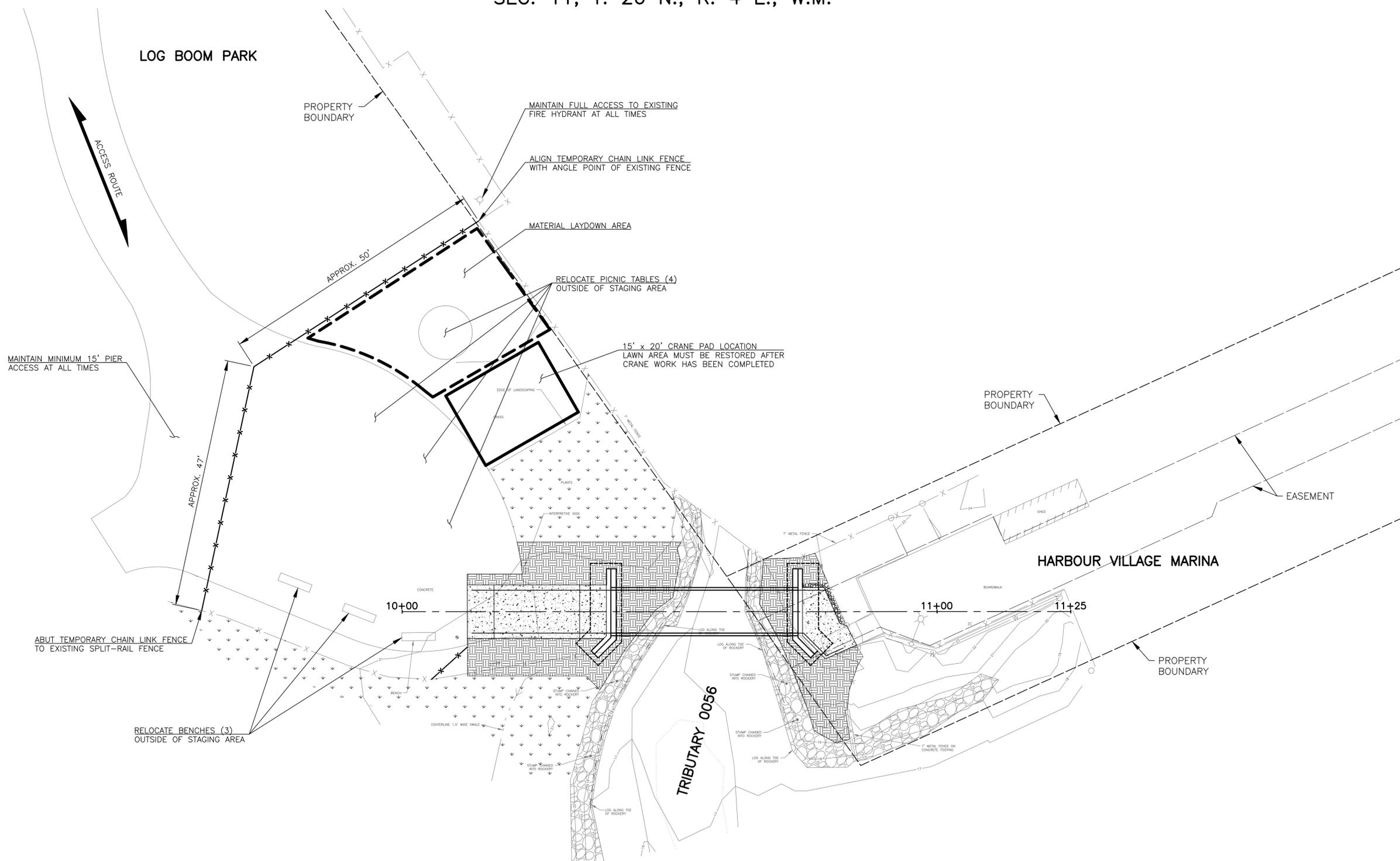
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STAGING LEGEND:

-  TEMPORARY CHAIN LINK FENCE, 6' HEIGHT (SEE NOTE 2)
-  NATIVE PLANTS NOT TO BE DISTURBED

GENERAL NOTES:

1. THE CONTRACTOR SHALL USE CAUTION AROUND ALL AREAS NOT CALLED FOR REMOVAL OR CLEARING ON SHEET SP1. ALL DAMAGE OUTSIDE OF AREAS DESIGNATED FOR REMOVAL OR CLEARING SHALL BE REPAIRED AT THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
2. TEMPORARY CHAIN LINK FENCE POSTS SHALL BE PLACED ON STANDS AND NOT PENETRATE THE GROUND SURFACE.
3. EXISTING CONCRETE SURFACES ARE TO BE PROTECTED.
4. ALL VEGETATED AND GRASS AREAS ARE TO BE PROTECTED. IF DAMAGED IT IS THE CONTRACTOR'S RESPONSIBILITY TO RESTORE AT NO COST TO THE CITY.



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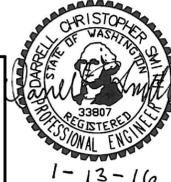
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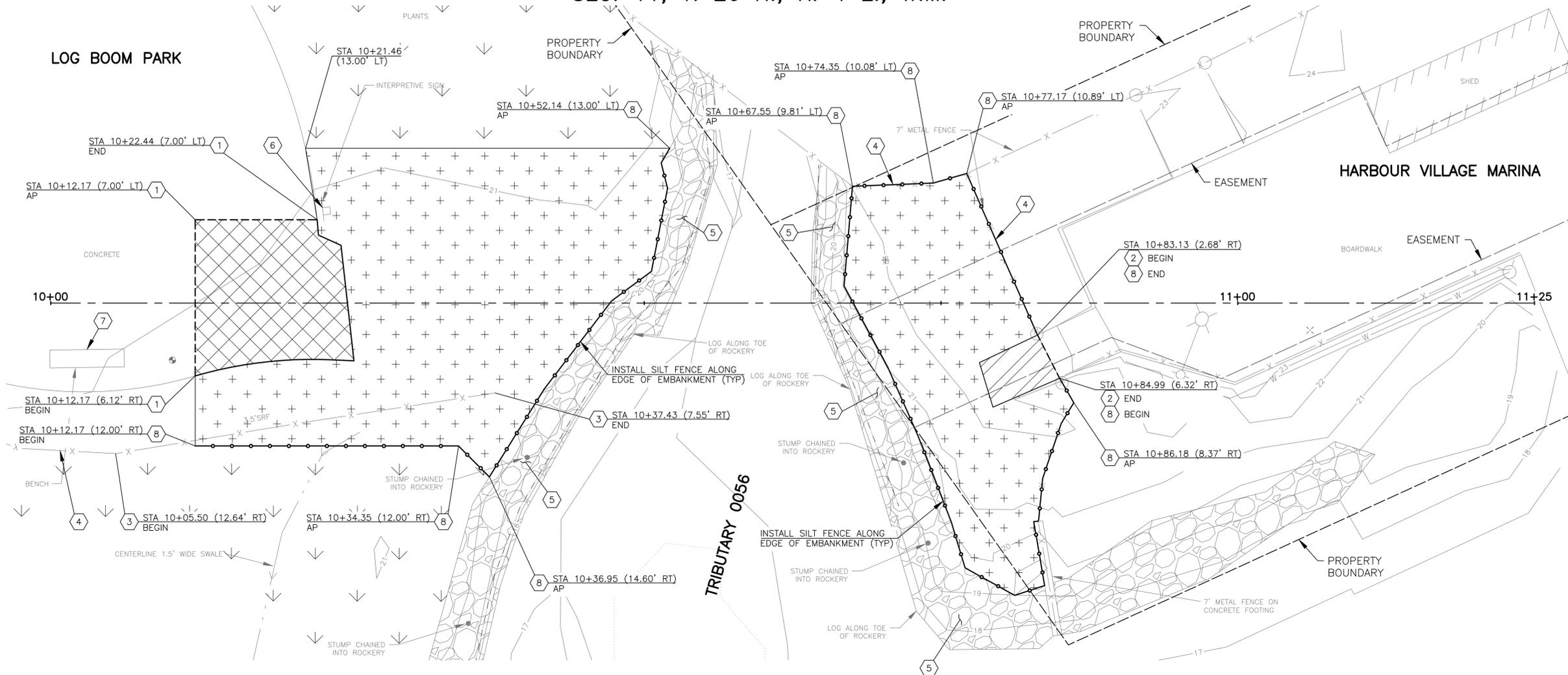
1-13-16

Drawn By	Date	SCALE
J. BEAN	1/20/2016	Horiz 1"=10'
Designed By		Vert N/A
J. HUYLAR	1/20/2016	Project Number 20120170.015
Checked By		
D. SMITH	1/20/2016	
Approved By		

CITY OF KENMORE
 LOG BOOM PARK PEDESTRIAN BRIDGE
STAGING PLAN

Drawing No.	ST1
Sheet No.	4
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SITE PREPARATION LEGEND:

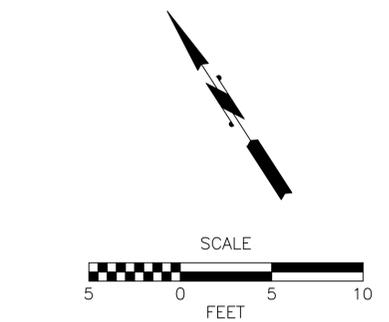
-  CONCRETE REMOVAL
-  BOARDWALK REMOVAL
-  CLEARING AND GRUBBING
-  NATIVE PLANTS NOT BE DISTURBED
-  SILT FENCE
-  SAWCUT

CONSTRUCTION NOTES:

- 1 SAWCUT CEMENT CONCRETE, FULL DEPTH
- 2 SAWCUT BOARDWALK, FULL DEPTH
- 3 REMOVE SPLIT-RAIL FENCE; SALVAGE MATERIALS TO REINSTALL
- 4 PROTECT EXISTING FENCE
- 5 PROTECT EMBANKMENT (SEE NOTE 2)
- 6 PROTECT EXISTING SIGN
- 7 PROTECT EXISTING BENCH (SEE SHEET ST1)
- 8 INSTALL SILT FENCE PER WSDOT STD PLAN I-30.15-02

GENERAL NOTES:

1. DO NOT CONDUCT ANY IN-WATER WORK OR HAVE ANY WATER CONTACT WITH TRIBUTARY 0056. NO WORK OR ACTIVITY IN THE STREAM SHALL OCCUR.
2. EMBANKMENT IMPACT ON THE WEST SIDE OF TRIBUTARY 0056 IS PERMISSIBLE ONLY TO INSTALL PIPE OUTLET PER SHEET RP1.



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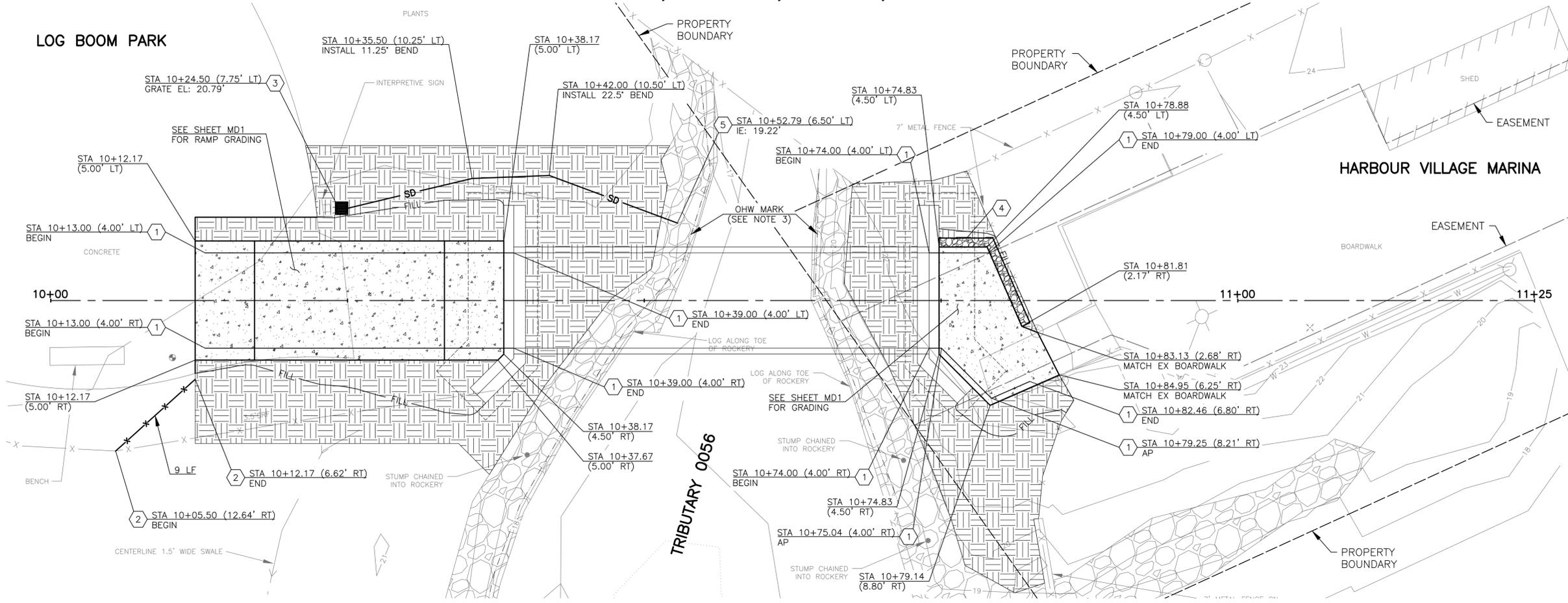


Drawn By	Date	SCALE
J. BEAN	1/20/2016	Horiz 1"=5'
Designed By		Vert N/A
J. HUYLAR	1/20/2016	Project Number 20120170.015
Checked By		
D. SMITH	1/20/2016	
Approved By		

CITY OF KENMORE
LOG BOOM PARK PEDESTRIAN BRIDGE
SITE PREPARATION PLAN

Drawing No.	SP1
Sheet No.	5
of Total	11

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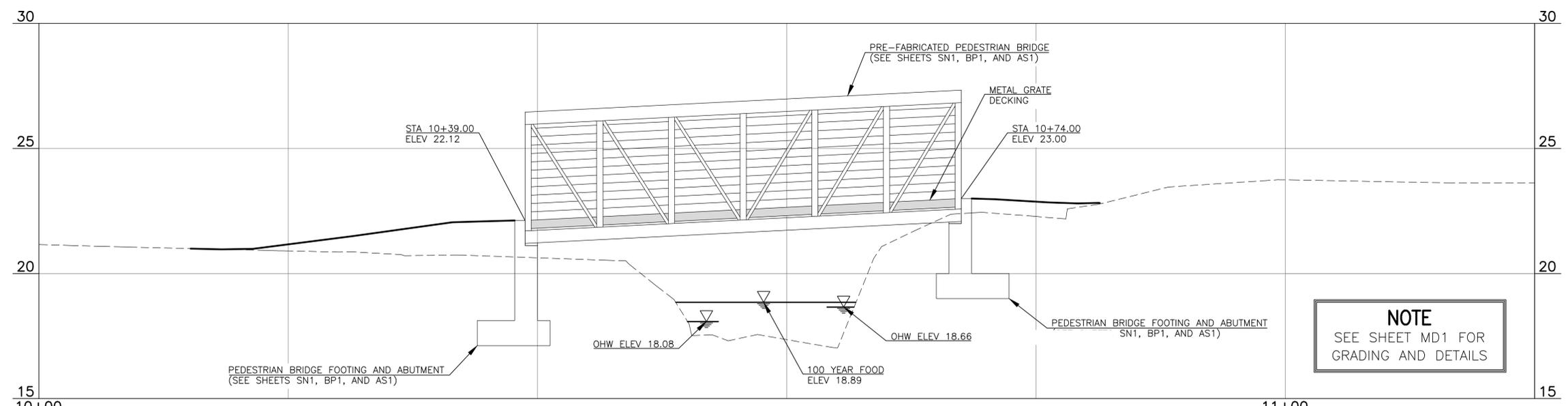


PLAN

- RESTORATION LEGEND:**
- 4" CEM CONC SIDEWALK OVER CSTC, 4" COMPACTED DEPTH
 - LANDSCAPING (SEE SHEET PP1)
 - 9"x9" RIVER ROCK DRAIN

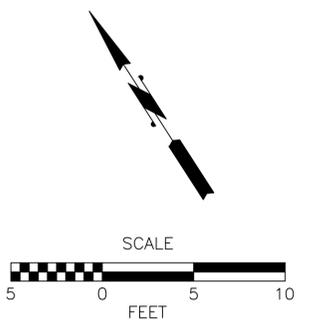
- CONSTRUCTION NOTES:**
- 1 INSTALL HANDRAIL PER KING COUNTY STD PLAN 5-008; HEIGHT SHALL BE A MINIMUM OF 42"
 - 2 RELOCATE SPLIT-RAIL FENCE
 - 3 INSTALL 12" AREA DRAIN PER DETAIL ON SHEET MD1
 - 4 INSTALL 9"x9" ROUND RIVER ROCK DRAIN.
 - 5 INSTALL PIPE OUTLET WITH BEVELED END PER KING COUNTY STD PLAN 7-001; ADJUST EXISTING RIPRAP AS NECESSARY TO FACILITATE PIPE OUTLET (SEE NOTE 3)

- GENERAL NOTES:**
1. PROFILE ON THE EAST SIDE OF THE PEDESTRIAN BRIDGE FOLLOWS THE PEDESTRIAN PATH RATHER THAN THE ALIGNMENT.
 2. CLEARING AND GRUBBING LIMITS SHOWN ON SITE PREPARATION PLAN CORRESPOND TO THE LANDSCAPING LIMITS.
 3. NO EMBANKMENT IMPACT SHALL BE MADE WATERWARD OF THE ORDINARY HIGH WATER (OHW) MARK.
 4. STATION AND OFFSET VALUES FOR AREA DRAINS ARE MEASURED TO THE CENTER OF THE STRUCTURES.



PEDESTRIAN PATH PROFILE

NOTE
SEE SHEET MD1 FOR GRADING AND DETAILS



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J. BEAN	1/20/2016	Horiz 1"=5'
Designed By	1/20/2016	Vert 1"=2.5'
J. HUYLAR	1/20/2016	Project Number 20120170.015
Checked By	1/20/2016	
D. SMITH	1/20/2016	
Approved By		

CITY OF KENMORE
LOG BOOM PARK PEDESTRIAN BRIDGE
RESTORATION PLAN & PROFILE

Drawing No.	RP1
Sheet No.	6
of Total	11

STRUCTURAL NOTES

(THESE NOTES ARE TYPICAL UNLESS NOTED OR DETAILED OTHERWISE ON DRAWINGS)

CODE

ALL MATERIALS, WORKMANSHIP, DESIGN, AND CONSTRUCTION SHALL CONFORM TO THE DRAWINGS, SPECIFICATIONS, AND THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS. SPECIFICATIONS AND STANDARDS WHERE REFERENCED ON THE DRAWINGS ARE TO BE THE LATEST EDITION.

DESIGN LOADS

DEAD LOADS:
BRIDGE TBD; ASSUMED TOTAL LOAD = 21.0K (INCLUDING DECK) NOTIFY ENGINEER IF TOTAL DEAD LOAD EXCEEDS THIS VALUE

LIVE LOADS:
PEDESTRIAN 90 PSF
VEHICAL H-5

EARTHQUAKE LOADS:

FOR SINGLE-SPAN BRIDGES PER ASHTO 2010 SECTION 3.10.9.

SITE CLASS (PER GEOTECH)	D
SHORT PERIOD SPECTRAL RESPONSE ACCEL (S_s)	0.876
ONE SECOND SPECTRAL RESPONSE ACCEL (S_1)	0.298
SHORT PERIOD DESIGN SPECTRAL RESPONSE ACCEL (S_{ps})	1.007
ONE SECOND DESIGN SPECTRAL RESPONSE ACCEL (S_{p1})	0.538
ACCELERATION COEFFICIENT (A_g)	0.435

W = TOTAL BRIDGE DEAD LOAD

SEISMIC BASE SHEAR = $A_g W$ = 14.0 KIPS

WIND LOADS:

TO BE DETERMINED BY BRIDGE MFR, NOTIFY ENGINEER IF BASE SHEAR EXCEEDS SEISMIC BASE SHEAR SPECIFIED ABOVE. CALCULATIONS MAY NEED TO BE REVISED

STATEMENT OF SPECIAL INSPECTIONS

SPECIAL INSPECTIONS ARE REQUIRED AS INDICATED IN THE FOLLOWING TABLE. THE CONTRACTOR SHALL SUBMIT A WRITTEN STATEMENT OF RESPONSIBILITY TO THE BUILDING OFFICIAL AND OWNER PRIOR TO COMMENCEMENT OF WORK IN ACCORDANCE WITH CHAPTER 1704.4 OF THE IBC.

STEEL CONSTRUCTION – SPECIAL INSPECTION IS REQUIRED IN CONFORMANCE WITH IBC SECTION 1705.2 AND 1705.11.1.

CONCRETE CONSTRUCTION – SPECIAL INSPECTION IS REQUIRED IN CONFORMANCE WITH IBC SECTION 1705.3 AND TABLE 1705.3.

STRUCTURAL OBSERVATION OF THE STRUCTURAL SYSTEM BY THE ENGINEER IS NOT REQUIRED.

FREQUENCY AND DISTRIBUTION OF REPORTS – INSPECTION REPORTS SHALL BE PROVIDED FOR EACH DAY ON SITE BY SPECIAL INSPECTOR. STRUCTURAL OBSERVATION REPORTS SHALL BE PROVIDED AFTER EACH OBSERVATION. REPORTS SHALL BE DISTRIBUTED TO THE CONTRACTOR, ARCHITECT, ENGINEER AND BUILDING OFFICIAL.

SPECIAL INSPECTION

OPERATION	CONT	PERIODIC	REMARKS
SOILS			
SHORING		X	GEOTECH ENGINEER
EXCAVATION & FILL		X	GEOTECH ENGINEER
CONCRETE			
REINFORCING PLACEMENT		X	
ANCHOR BOLTS		X	
CONCRETE TEST SPECIMENS	X		
CONCRETE PLACEMENT	X		
ADHESIVE ANCHORS	X		IF REQ'D
EXPANSION ANCHORS		X	IF REQ'D
EMBEDDED PLATES		X	
STRUCTURAL STEEL			
FABRICATION & ERECTION		X	
HIGH STRENGTH BOLTING		X	
SHOP & FIELD WELDING			
SINGLE PASS FILLET WELDS $\leq 5/16"$		X	
FILLET WELDS $> 5/16"$	X		
PARTIAL & COMPLETE PENETRATION	X		
OTHER WELDING		X	

NOTE:
ALL ITEMS MARKED WITH AN "X" SHALL BE INSPECTED IN ACCORDANCE WITH IBC CHAPTER 17. SPECIAL INSPECTION SHALL BE PERFORMED BY A QUALIFIED TESTING AGENCY DESIGNATED BY THE OWNER. THE ARCHITECT, STRUCTURAL ENGINEER, AND BUILDING OFFICIAL SHALL BE FURNISHED WITH COPIES OF ALL RESULTS. ANY INSPECTION FAILING TO MEET THE PROJECT SPECIFICATIONS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE DESIGN TEAM.

SHOP DRAWINGS

SHOP DRAWINGS FOR THE FOLLOWING ITEMS SHALL BE SUBMITTED TO THE ARCHITECT AND STRUCTURAL ENGINEER FOR REVIEW PRIOR TO FABRICATION:

1. REINFORCING STEEL
2. CONCRETE MIX DESIGN
3. GROUT MIX DESIGN
4. PREMANUFACTURED STEEL BRIDGE

SHOP DRAWINGS SHALL BE REVIEWED, REVISED AS REQUIRED FOR FIELD CONDITIONS, AND DATE STAMPED BY THE CONTRACTOR PRIOR TO REVIEW BY THE ENGINEER. CONTRACTOR SHALL PROVIDE (3) SETS OF SHOP DRAWINGS FOR ENGINEER'S REVIEW. ALLOW TWO WEEKS FOR SHOP DRAWING APPROVAL BY ENGINEER.

ENGINEER'S SHOP DRAWING REVIEW IS FOR GENERAL CONFORMANCE WITH THE DESIGN CONCEPT AND CONTRACT DOCUMENTS. MARKINGS OR COMMENTS SHALL NOT BE CONSTRUED AS RELIEVING THE CONTRACTOR FROM COMPLIANCE WITH THE PROJECT PLANS AND SPECIFICATIONS. THE CONTRACTOR REMAINS RESPONSIBLE FOR DETAILS AND ACCURACY, FOR CONFORMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS, FOR SELECTING FABRICATION PROCESSES, FOR TECHNIQUES OF ASSEMBLY, AND FOR PERFORMING THE WORK IN A SAFE MANNER.

ENGINEER'S SHOP DRAWING REVIEW OF STRUCTURAL COMPONENTS DESIGNED BY OTHERS IS FOR LOADS IMPOSED ON THE BASIC STRUCTURE. THE COMPONENT DESIGNER IS RESPONSIBLE FOR CODE CONFORMANCE AND ALL CONNECTIONS TO THE BASIC STRUCTURE. SHOP DRAWINGS SHALL INDICATE MAGNITUDE AND DIRECTION OF THE LOADS IMPOSED ON THE BASIC STRUCTURE AND SHALL BE STAMPED & SIGNED BY A PROFESSIONAL ENGINEER REGISTERED IN THE SAME STATE AS THE PROJECT.

FABRICATION SHALL BEGIN ONLY AFTER SHOP DRAWINGS BEARING THE STAMP AND SIGNATURE OF THE PROJECT ARCHITECT, ENGINEER OF RECORD, AND CONTRACTOR HAVE BEEN RECEIVED.

DEFERRED APPROVAL ITEMS

SUBMITTAL DOCUMENTS FOR DEFERRED SUBMITTAL ITEMS SHALL BE SUBMITTED TO THE ARCHITECT OR ENGINEER OF RECORD WHO SHALL REVIEW THEM AND INDICATE THAT THE DEFERRED SUBMITTAL DOCUMENTS HAVE BEEN REVIEWED AND THAT THEY HAVE BEEN FOUND TO BE IN GENERAL CONFORMANCE WITH THE DESIGN OF THE BUILDING. THE DEFERRED SUBMITTAL ITEMS SHALL NOT BE INSTALLED UNTIL THEIR DESIGN AND SUBMITTAL DOCUMENTS HAVE BEEN APPROVED BY THE BUILDING OFFICIAL.

1. PREMANUFACTURED STEEL BRIDGE

FOUNDATIONS: SPREAD FOOTINGS

SOILS REPORT: REPORT NO: 2014-008-21
PREPARED BY: HWA GEOSCIENCES, INC
DATED: JANUARY 19, 2016

ALLOWABLE SOIL PRESSURE: 2500 PSF (1/3 INCREASE ALLOWED FOR SHORT TERM LOADING)

LATERAL EARTH PRESSURE:
UNRESTRAINED: 38 PCF + ANY APPLICABLE SURCHARGE (ASSUMED)
RESTRAINED: 58 PCF + ANY APPLICABLE SURCHARGE (ASSUMED)
PASSIVE: 300 PCF (180 PCF IN SEISMIC EVENT)
COEFFICIENT OF FRICTION: 0.5

FOOTINGS SHALL BEAR ON COMPACTED CRUSHED SURFACING BASE COURSE AT LEAST 18" BELOW ADJACENT EXTERIOR GRADE. ANY FOOTING ELEVATIONS SHOWN IN THE DRAWINGS REPRESENT MINIMUM DEPTHS AND ARE FOR BIDDING ONLY. ACTUAL FOOTING ELEVATIONS ARE SUBJECT TO SITE CONDITIONS AND MUST THEREFORE BE ESTABLISHED BY THE CONTRACTOR. FOOTINGS SHALL BE CENTERED BELOW COLUMNS OR WALLS ABOVE, UNLESS NOTED OTHERWISE.

IMPORTED STRUCTURAL FILL AND BACKFILL MATERIAL SHOULD CONSIST OF CLEAN, WELL GRADED GRANULAR MATERIAL FREE OF DEBRIS OR ORGANICS WITH A MAXIMUM PARTICLE DIAMETER OF FOUR INCHES AND NO MORE THAN 7% FINES (PASSING THE #200 SIEVE) AS SPECIFIED FOR "GRAVEL BORROW" IN SECTION 9-03.14(1) OF THE WSDOT STANDARD SPECIFICATIONS.

FILL AND BACKFILL MATERIAL SHOULD BE PLACED IN LEVEL LIFTS NOT EXCEEDING EIGHT (8") INCHES IN LOOSE THICKNESS AND COMPACTED TO A MINIMUM OF 95% OF ITS MAXIMUM DRY DENSITY AS DETERMINED BY ASTM TEST METHOD D1557-00.

BACKFILL BEHIND ALL RETAINING WALLS WITH WELL-DRAINING, GRANULAR FILL AND PROVIDE FOR SUBSURFACE DRAINAGE. PROVIDE DAMPPROOFING AT EXTERIOR FACE OF ALL FOUNDATION WALLS EXPOSED TO EARTH PER ARCHITECTURAL SPECIFICATIONS.

EXCAVATIONS AND DRAINAGE INSTALLATION SHALL BE OBSERVED BY A SOILS ENGINEER RETAINED BY THE OWNER. IF EXCAVATION SHOWS SOIL CONDITIONS TO BE OTHER THAN THOSE ASSUMED ABOVE NOTIFY THE STRUCTURAL ENGINEER FOR POSSIBLE FOUNDATION REDESIGN.

CONCRETE

ALL CONCRETE SHALL BE MIXED, PROPORTIONED, CONVEYED, AND PLACED IN ACCORDANCE WITH SECTION CHAPTER 5 OF ACI 318 AND THE AMERICAN CONCRETE INSTITUTE'S SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS (ACI 301).

ALL CONCRETE SHALL BE STONE-AGGREGATE CONCRETE HAVING A UNIT WEIGHT OF APPROXIMATELY 150 POUNDS PER CUBIC FOOT.

CONCRETE STRENGTHS AT 28 DAYS (f'_c) AND MIX CRITERIA SHALL BE AS FOLLOWS:

TYPE OF CONSTRUCTION	f'_c	MAXIMUM WATER/CEMENT RATIO	MIN CEMENT CONTENT PER CUBIC YARD	MAXIMUM SHRINKAGE STRAIN
FOOTINGS	3000 PSI	0.50	5 1/2 SACK	N/A
WALLS	3000 PSI	0.50	5 1/2 SACK	N/A
ALL OTHER CONC.	2500 PSI	0.40	5 SACK	N/A

THE MINIMUM AMOUNT OF CEMENT LISTED ABOVE MAY BE CHANGED IF A CONCRETE PERFORMANCE MIX IS SUBMITTED TO THE ENGINEER AND THE BUILDING DEPARTMENT FOR APPROVAL TWO WEEKS PRIOR TO PLACING ANY CONCRETE. THE PERFORMANCE MIX SHALL INCLUDE THE AMOUNTS OF CEMENT, FINE AND COARSE AGGREGATE, WATER, AND ADMIXTURES AS WELL AS THE WATER-CEMENT RATIO, SLUMP, CONCRETE YIELD, AND SUBSTANTIATING STRENGTH DATA IN ACCORDANCE WITH CHAPTER 5 OF ACI 318.

ALL CONCRETE EXPOSED TO WEATHER OR TO FREEZING TEMPERATURES SHALL BE AIR-ENTRAINED IN ACCORDANCE WITH ACI 318 TABLE 4.2.1 FOR MODERATE EXPOSURE CONDITION.

REINFORCING STEEL

REINFORCING STEEL SHALL BE DEFORMED BILLET STEEL CONFORMING TO ASTM A615, AND SHALL BE GRADE 60 ($F_y = 60,000$ PSI), UNLESS NOTED OTHERWISE. GRADE 60 REINFORCING BARS INDICATED ON DRAWINGS TO BE WELDED SHALL CONFORM TO ASTM A706. REINFORCING COMPLYING WITH ASTM A615 MAY BE WELDED IF MATERIAL PROPERTY REPORTS INDICATING CONFORMANCE WITH WELDING PROCEDURES SPECIFIED IN AWS D1.4 ARE SUBMITTED.

WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185. PROVIDE WELDED WIRE FABRIC IN SHEETS NOT ROLLS. LAP WELDED WIRE FABRIC 12" AT SIDES AND ENDS.

REINFORCING STEEL SHALL BE DETAILED INCLUDING HOOKS AND BENDS IN ACCORDANCE WITH SP-86 AND ACI 318R, LATEST EDITIONS. UNLESS OTHERWISE NOTED, REINFORCING SPLICE LENGTHS AND DEVELOPMENT LENGTHS SHALL BE PER SCHEDULE.

MECHANICAL SPLICING OF REINFORCING BARS, WHERE INDICATED ON THE DRAWINGS, SHALL BE BY AN ICBO APPROVED SYSTEM, SHALL DEVELOP 125% OF THE SPECIFIED YIELD STRENGTH OF THE BAR, AND SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

REINFORCING SHALL BE PLACED AND ADEQUATELY SUPPORTED PRIOR TO PLACING CONCRETE. WET-SETTING EMBEDDED ITEMS IS NOT ALLOWED WITHOUT PRIOR ENGINEER APPROVAL. BARS PARTIALLY EMBEDDED IN HARDENED CONCRETE SHALL NOT BE FIELD BENT UNLESS SO DETAILED OR APPROVED BY THE STRUCTURAL ENGINEER. REFER TO CHAPTER 7 OF ACI 318 FOR OTHER REINFORCING STEEL REQUIREMENTS.

MINIMUM LAPS AND EMBEDMENT

UNLESS OTHERWISE NOTED, REINFORCING SPLICE LENGTHS AND DEVELOPMENT LENGTHS SHALL BE AS TABULATED BELOW:

BAR SIZE	$f'_c = 3000$ PSI					
	DEVELOPMENT LENGTH			LAP SPLICE		
	TENSION		COMPRESSION	TENSION		COMPRESSION
	TOP BARS	OTHER BARS	ALL BARS	TOP BARS	OTHER BARS	ALL BARS
#3	22	17	9	28	22	12
#4	29	22	11	37	29	15
#5	36	28	14	47	36	19
#6	43	33	17	56	43	23
#7	63	48	20	81	63	27
#8	72	55	22	93	72	30

NOTE:
1. ALL LENGTHS ARE IN INCHES.
2. ALL LAP SPLICES ARE CLASS B.
3. "TOP BARS" ARE HORIZONTAL REINFORCEMENT PLACED SUCH THAT MORE THAN 12 INCHES OF CONCRETE IS CAST IN THE MEMBER BELOW THE BAR.

CONCRETE COVER ON REINFORCING

CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH: 3"

CONCRETE EXPOSED TO EARTH AND WEATHER: 2 1/2"

CONCRETE NOT EXPOSED TO EARTH OR WEATHER:
SLABS, WALLS AND JOISTS 3/4"
COLUMN TIES OR SPIRALS AND BEAM STIRRUPS 1 1/2"

CONCRETE GENERAL NOTES

VERTICAL BARS SHALL START FROM TOP OF FOOTING. HORIZONTAL BARS SHALL START A DISTANCE OF 1/2 THE NORMAL BAR SPACING FROM TOP OF FOOTING AND TOP OF FRAMED SLABS. IN ADDITION, THERE SHALL BE A HORIZONTAL BAR AT A MAXIMUM OF 3" FROM TOP OF WALL AND BOTTOM OF FRAMED SLABS.

PROVIDE CORNER BARS TO MATCH THE HORIZONTAL REINFORCING WITH TENSION LAP SPLICE AT EACH SIDE PER TABLE, OR BEND ONE SIDE OVER TO PROVIDE TENSION LAP.

PROVIDE CONTROL OR CONSTRUCTION JOINTS IN SLABS ON GRADE TO BREAK UP SLAB INTO RECTANGULAR AREAS OF NOT MORE THAN 400 SQUARE FEET EACH. AREAS TO BE AS SQUARE AS PRACTICAL AND HAVE NO ACUTE ANGLES. JOINT LOCATIONS TO BE APPROVED BY THE ARCHITECT.

ALL CONSTRUCTION JOINTS SHALL BE THOROUGHLY CLEANED AND PROPERLY PREPARED IMMEDIATELY PRIOR TO POURING OF CONCRETE. DOWEL STEEL SHALL BE THE SAME SIZE AND SPACING AS MAIN REINFORCING DETAILED BEYOND JOINT.

SEE ARCHITECTURAL DRAWINGS AND MECHANICAL DRAWINGS FOR EXACT LOCATIONS AND DIMENSIONS OF OPENINGS IN CONCRETE WALLS, FLOORS AND ROOF. UNLESS INDICATED OTHERWISE, REINFORCE AROUND OPENINGS GREATER THAN 12" IN EITHER DIRECTION WITH (2) #5 EACH SIDE AND (1) #5 x 4'-0" DIAGONAL AT EACH CORNER. EXTEND BARS 2'-0" BEYOND EDGE OF OPENING. IF 2'-0" IS UNAVAILABLE, EXTEND AS FAR AS POSSIBLE AND HOOK. HOOK ALL REINFORCING INTERRUPTED BY OPENINGS.

BARS PARTIALLY EMBEDDED IN HARDENED CONCRETE SHALL NOT BE FIELD BENT UNLESS SO DETAILED OR APPROVED BY THE STRUCTURAL ENGINEER.

SEE ARCHITECTURAL DRAWINGS FOR ALL GROOVES, NOTCHES, CHAMFERS, FEATURE STRIPS, COLOR, TEXTURE AND OTHER FINISH DETAILS AT ALL EXPOSED CONCRETE SURFACES. PROVIDE 3/4" CHAMFER AT ALL CORNERS EXCEPT AS NOTED.

NON-SHRINK GROUT

NON-SHRINK GROUT SHALL BE CEMENT-BASED WITH A MINIMUM COMPRESSIVE STRENGTH OF 5000 PSI WHEN TESTED IN ACCORDANCE WITH ASTM C-109. GROUT SHALL BE MIXED AND PLACED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

STRUCTURAL STEEL

STRUCTURAL STEEL DESIGN, FABRICATION AND ERECTION SHALL BE IN ACCORDANCE WITH THE AISC "SPECIFICATION FOR THE DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS", LATEST EDITION.

SHAPES SHALL CONFORM TO ASTM A992, $F_y = 50$ KSI.

PLATES, ANGLES, AND RODS SHALL CONFORM TO ASTM A36, $F_y = 36$ KSI.

STRUCTURAL TUBING SHALL CONFORM TO ASTM A500 GRADE B, $F_y = 46$ KSI.

STEEL PIPE SHALL CONFORM TO ASTM A53 GRADE B, $F_y = 35$ KSI.

BOLTS CONNECTING STEEL MEMBERS SHALL CONFORM TO ASTM A325-N. BOLTS SHALL BE 3/4" MINIMUM, UNO ANCHOR BOLTS SHALL CONFORM TO ASTM A307.

ALL EXTERIOR EXPOSED STEEL SHALL BE HOT-DIP GALVANIZED.

CONTRACTOR SHALL PROVIDE CONNECTION ADJUSTMENT TOLERANCES TO SATISFY THE REQUIREMENTS OF AISC MANUAL OF STEEL CONSTRUCTION.

UNLESS SPECIFIED AS STAINLESS STEEL, ALL STEEL MEMBERS, SHAPES, BOLTS, AND ACCESSORIES EXPOSED TO WEATHER SHALL BE HOT DIP GALVANIZED.

WELDING

WELDING SHALL CONFORM TO AWS "STRUCTURAL WELDING CODE", LATEST EDITION. ALL WELDING SHALL BE DONE WITH 70 KSI LOW HYDROGEN ELECTRODES. WHERE NOT CALLED OUT, MINIMUM FILLET WELD SIZE SHALL BE PER TABLE 5.8 IN AWS D1.1, LATEST EDITION.

WELDING OF REINFORCING BARS SHALL NOT BE PERMITTED UNLESS SPECIFICALLY CALLED OUT ON DRAWINGS OR APPROVED BY STRUCTURAL ENGINEER. WELDING OF GRADE 60 REINFORCING BARS SHALL BE PERFORMED USING LOW HYDROGEN ELECTRODES. WELDING OF GRADE 40 REINFORCING BARS SHALL BE PERFORMED USING E70XX ELECTRODES. SEE REINFORCING NOTES FOR MATERIAL REQUIREMENTS OF WELDED BARS. WELDING WITHIN 4" OF COLD BENDS IN REINFORCING BARS IS NOT PERMITTED.

ALL WELDING SHALL BE DONE BY WASHINGTON ASSOCIATION OF BUILDING OFFICIALS (WABO) CERTIFIED WELDERS.

GENERAL

STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH ARCHITECTURAL, CIVIL, ELECTRICAL, AND MECHANICAL DRAWINGS FOR BIDDING AND CONSTRUCTION. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS FOR COMPATIBILITY BEFORE PROCEEDING. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT BEFORE PROCEEDING.

CONTRACTOR TO SEE ARCHITECTURAL, CIVIL, ELECTRICAL AND MECHANICAL DRAWINGS FOR SIZE AND LOCATION OF PIPE, VENT, DUCT AND OTHER OPENINGS AND DETAILS NOT SHOWN ON THESE DRAWINGS.

CONTRACTOR SHALL BE RESPONSIBLE FOR ERECTION STABILITY AND TEMPORARY SHORING AS NECESSARY UNTIL PERMANENT SUPPORT AND STIFFENING ARE INSTALLED.

CONTRACTOR-INITIATED CHANGES SHALL BE SUBMITTED IN WRITING TO THE ARCHITECT AND STRUCTURAL ENGINEER FOR APPROVAL PRIOR TO FABRICATION OR CONSTRUCTION. CHANGES SHOWN ON SHOP DRAWINGS ONLY WILL NOT SATISFY THIS REQUIREMENT.

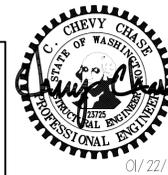
DRAWINGS INDICATE GENERAL AND TYPICAL DETAILS OF CONSTRUCTION. WHERE CONDITIONS ARE NOT SPECIFICALLY INDICATED BUT ARE OF A SIMILAR CHARACTER TO DETAILS SHOWN, SIMILAR DETAILS OF CONSTRUCTION SHALL BE USED, SUBJECT TO REVIEW AND APPROVAL BY THE ARCHITECT AND THE STRUCTURAL ENGINEER.

No.	Date	Revision	By	Appr.

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Drawn By ZOS	Date 01/2016
Designed By MTM	01/2016
Checked By CCC	01/2016
Approved By CCC	01/2016

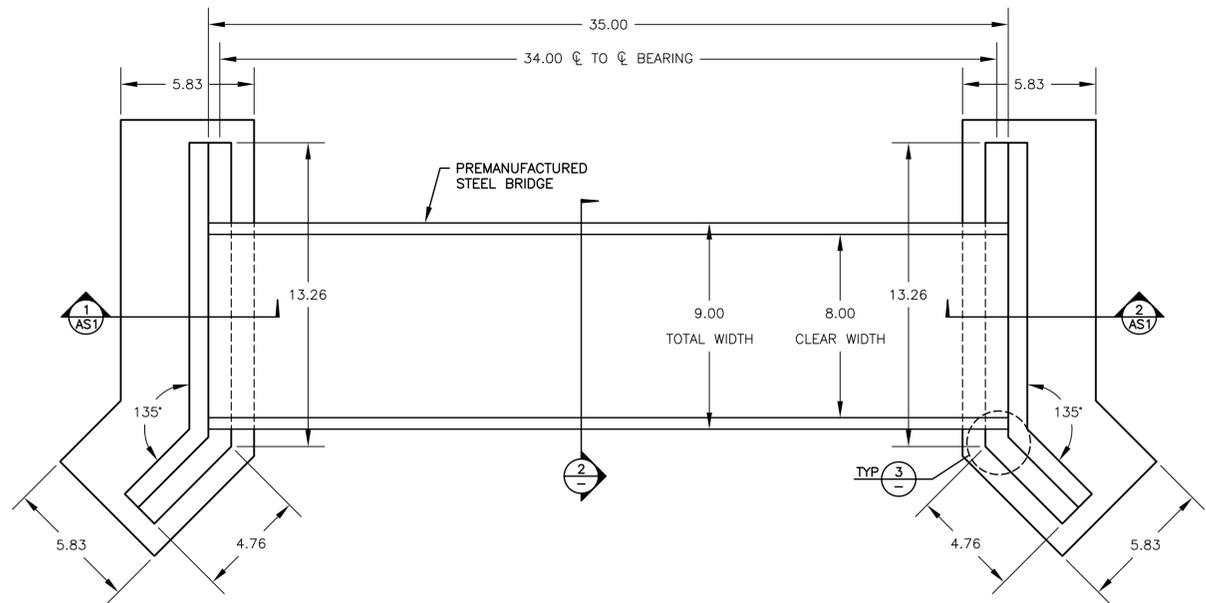
CITY OF KENMORE
LOG BOOM PARK PEDESTRIAN BRIDGE

Drawing No. **SN1**

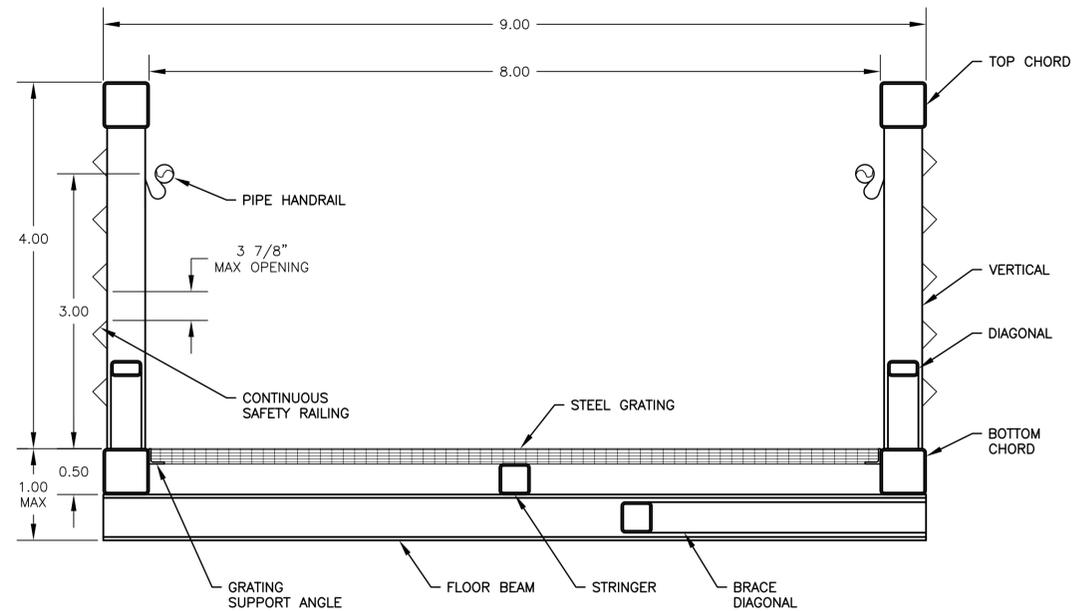
Sheet No. **7** of **11**

STRUCTURAL NOTES

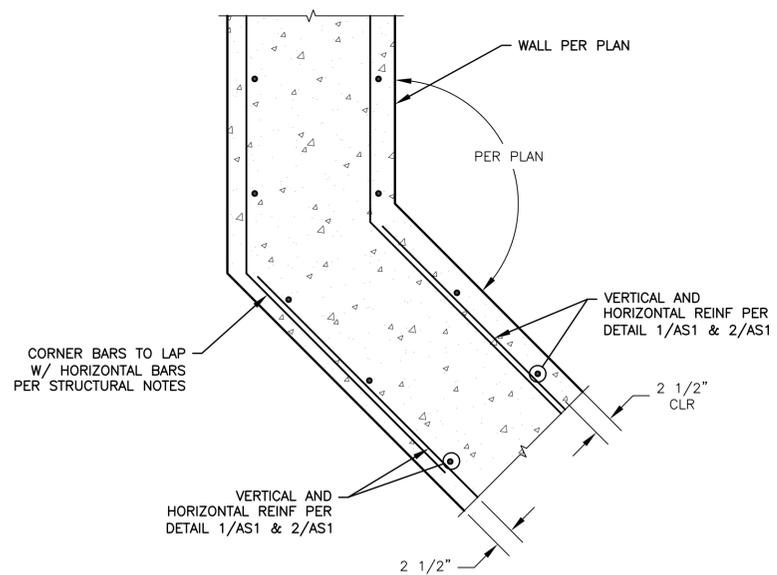
SCALE
Horiz
Vert
Project Number
20120170.015



1 BRIDGE AND ABUTMENT PLAN
SCALE: 1/4" = 1'-0"



2 BRIDGE SECTION
SCALE: 1" = 1'-0"



3 CORNER REINFORCING
SCALE: 1" = 1'-0"

Jan 22, 2016 - 1:32pm - jendons - R:2014_projects\14042_10 log boom park_drafting\2016\01_22_permit_submittal\BP1.dwg - Layout Name: PLOT

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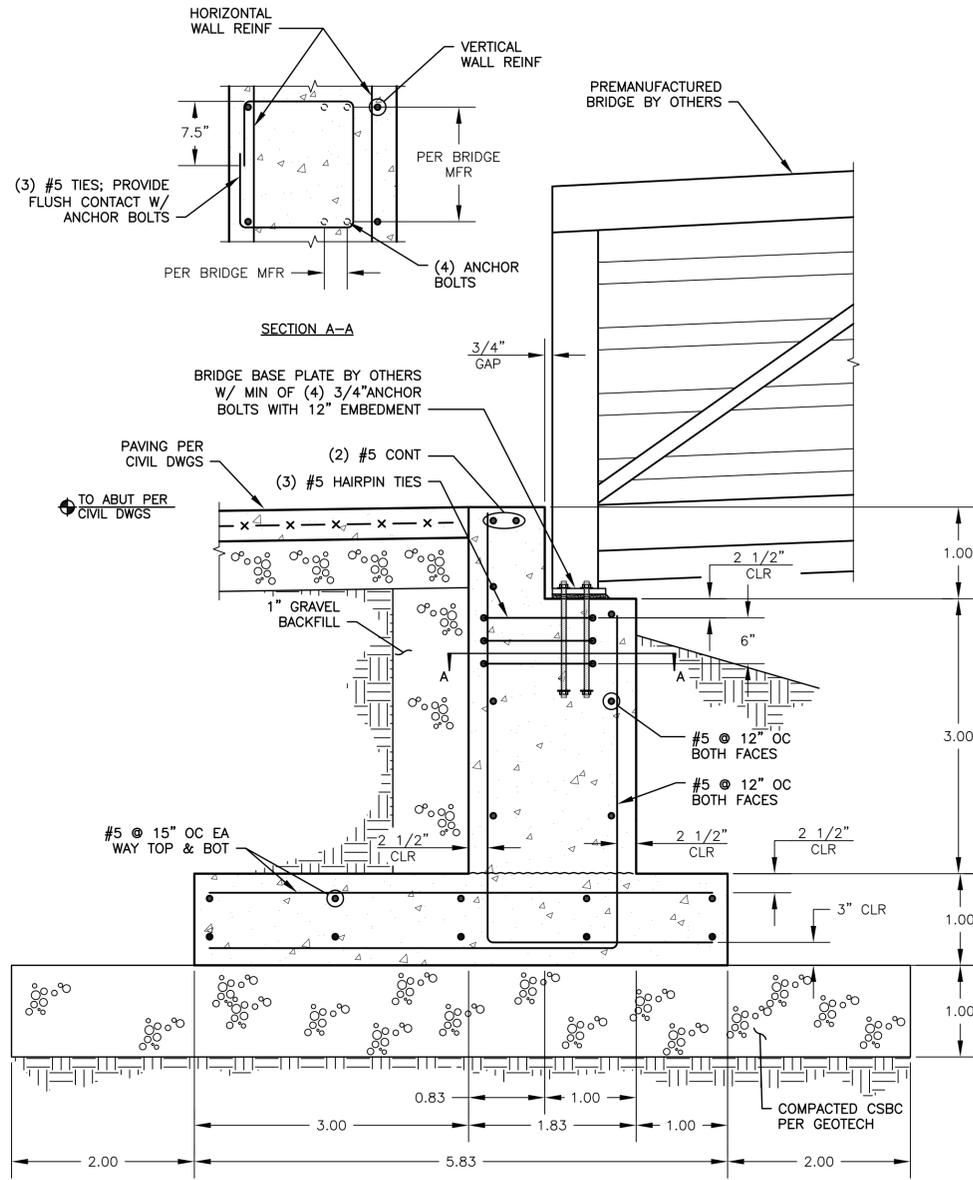
Drawn By ZOS	Date 01/2016
Designed By MTM	Date 01/2016
Checked By CCC	Date 01/2016
Approved By CCC	Date 01/2016

SCALE	
Horiz	
Vert	
Project Number	20120170.015

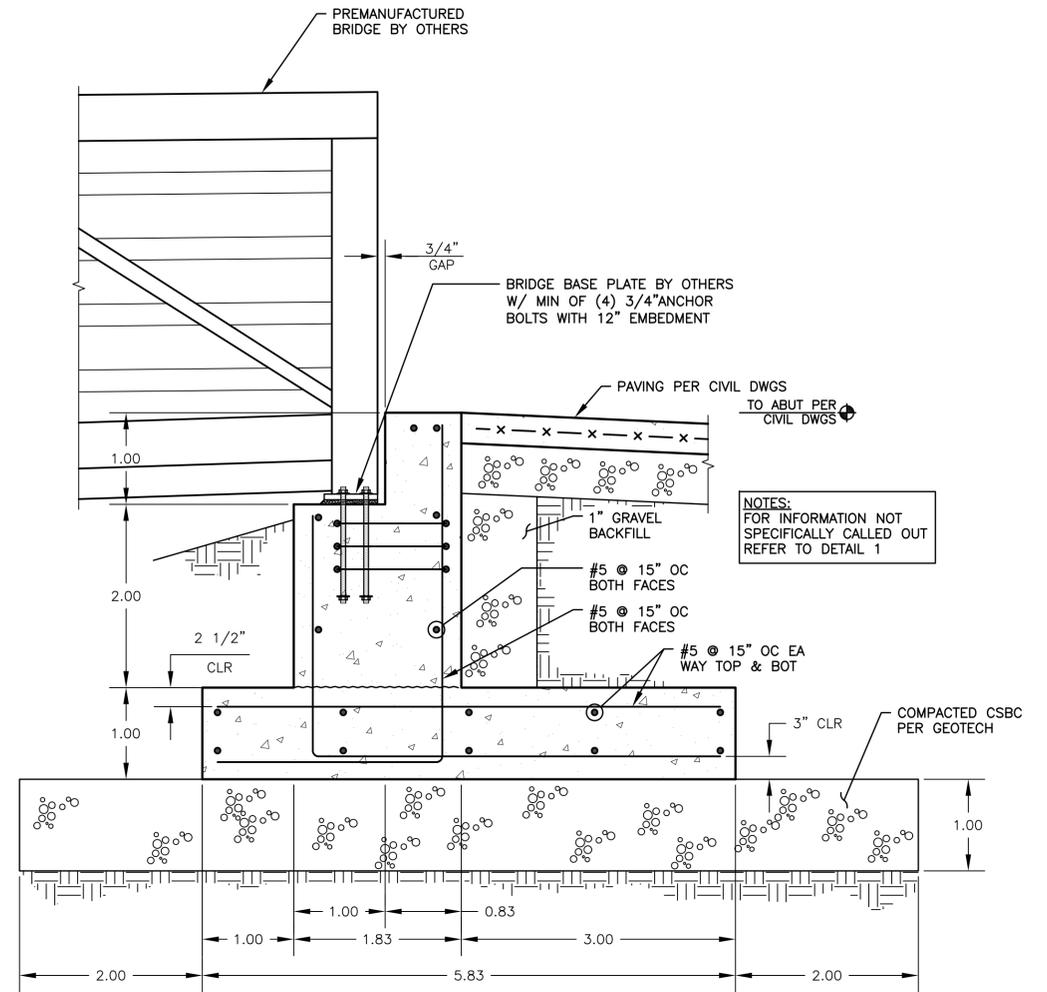
CITY OF KENMORE
LOG BOOM PARK PEDESTRIAN BRIDGE
AND ABUTMENT PLAN
AND BRIDGE SECTION

Drawing No. BP1
Sheet No. 8
11 of Total

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1 LOG BOOM PARK SIDE ABUTMENT SECTION
SCALE: 1" = 1'-0"



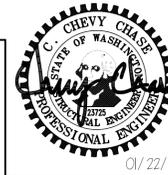
2 MARINA SIDE ABUTMENT SECTION
SCALE: 1" = 1'-0"

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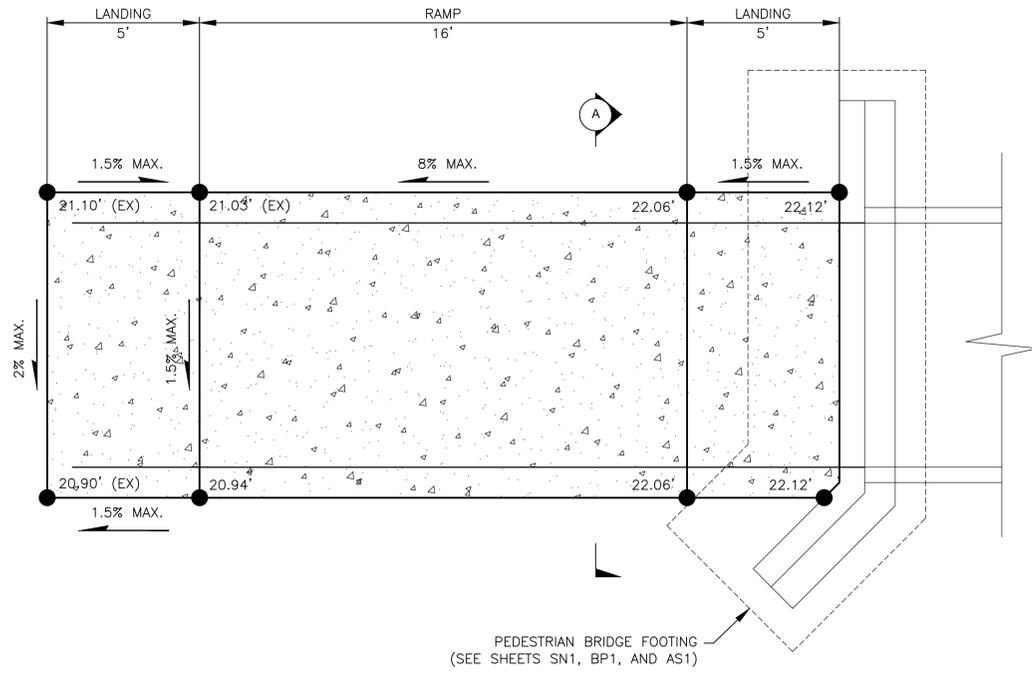
Drawn By ZOS	Date 01/2016
Designed By MTM	01/2016
Checked By CCC	01/2016
Approved By CCC	01/2016

SCALE	Horiz	Vert
Project Number 20120170.015		

CITY OF KENMORE
LOG BOOM PARK PEDESTRIAN BRIDGE
ABUTMENT SECTIONS

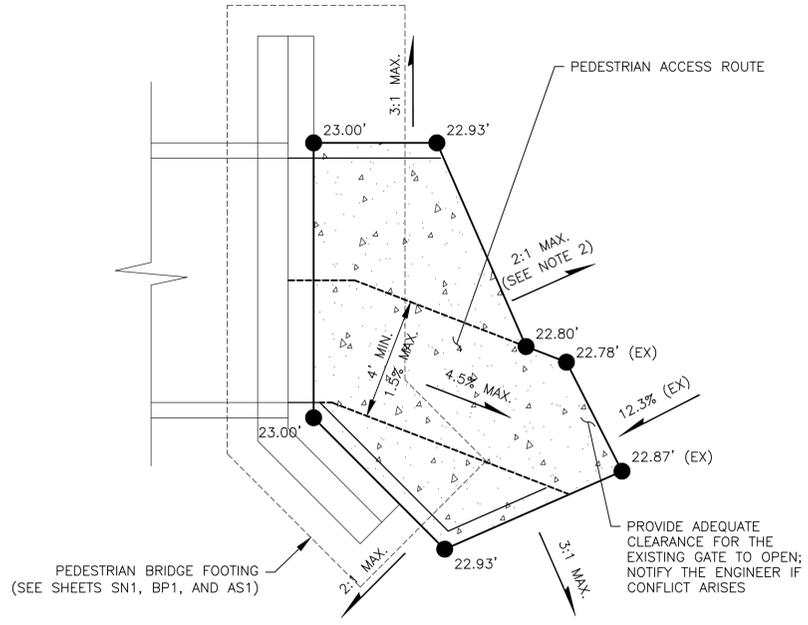
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Sheet No. 9
11 of Total

Jan 20, 2016 - 8:41am - MickyC, X:\Kenmore, City of Projects\20170170 - Professional Services Contract 12-C\082\015 - Log Boom Park Ped Bridge\CADD\Plan Sheets\20170170 015 MD.dwg - Layout Name: MD1



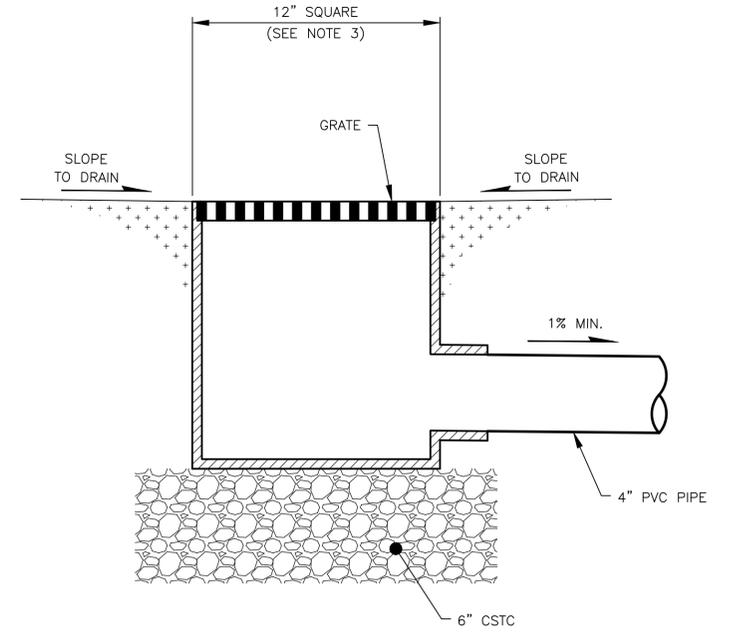
LOG BOOM PARK RAMP DETAIL

N.T.S.



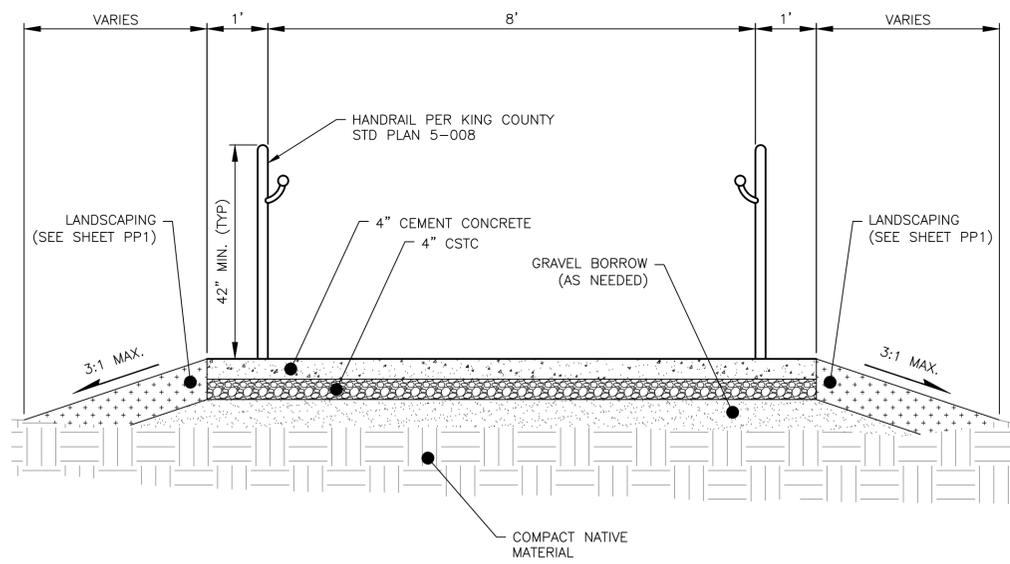
HARBOUR VILLAGE MARINA DETAIL

N.T.S.



12" AREA DRAIN DETAIL

N.T.S.



SECTION A-A

N.T.S.

GENERAL NOTES:

- MATERIALS AND DEPTHS SPECIFIED IN SECTION A-A APPLY TO BOTH THE LOG BOOM PARK RAMP DETAIL AND THE HARBOUR VILLAGE MARINA DETAIL.
- DIMENSIONS OF THE AREA DRAINS ARE APPROXIMATE AND WILL VARY DEPENDING ON THE MANUFACTURER.

No.	Date	Revision	By	Appr.

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KENMORE
WATER EXPLORERS

Drawn By J. BEAN	Date 1/20/2016	SCALE Horiz N/A
Designed By J. HUYLAR	1/20/2016	Vert N/A
Checked By D. SMITH	1/20/2016	Project Number 20120170.015
Approved By		

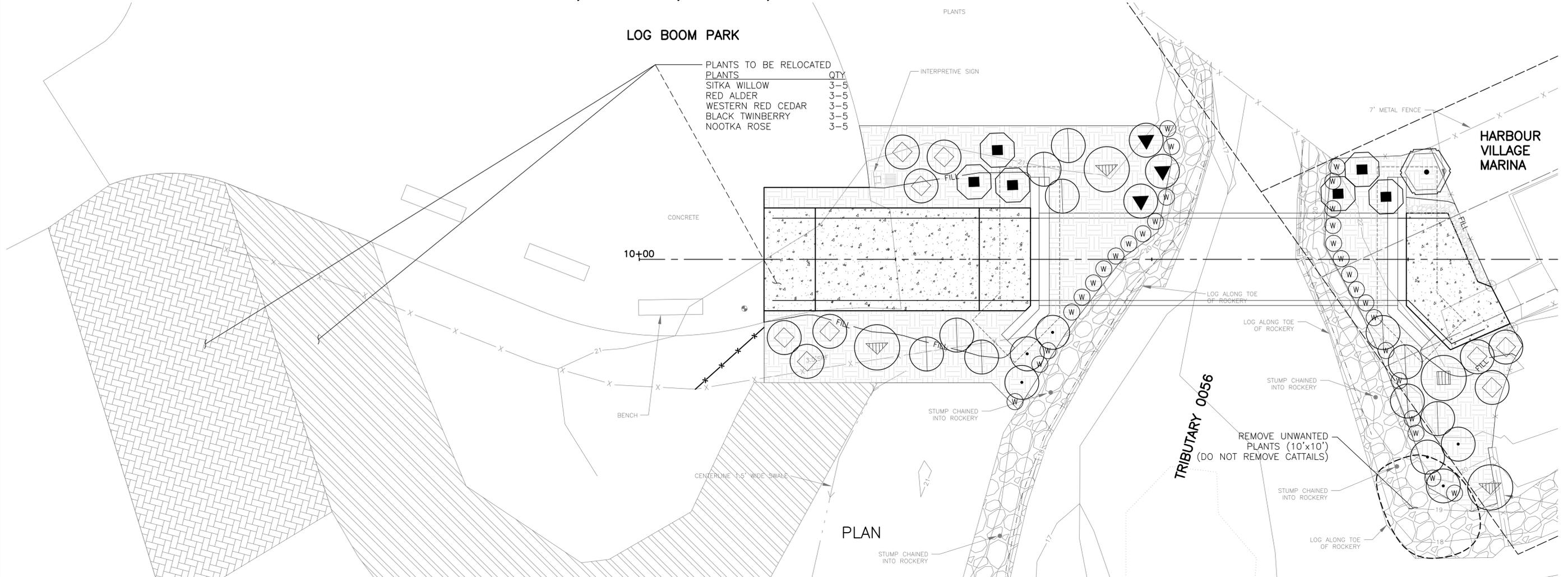
CITY OF KENMORE
LOG BOOM PARK PEDESTRIAN BRIDGE
MISCELLANEOUS DETAILS

Drawing No. MD1
Sheet No. 10 of 11

SEC. 11, T. 26 N., R. 4 E., W.M.

LOG BOOM PARK

PLANTS TO BE RELOCATED	QTY
SITKA WILLOW	3-5
RED ALDER	3-5
WESTERN RED CEDAR	3-5
BLACK TWINBERRY	3-5
NOOTKA ROSE	3-5

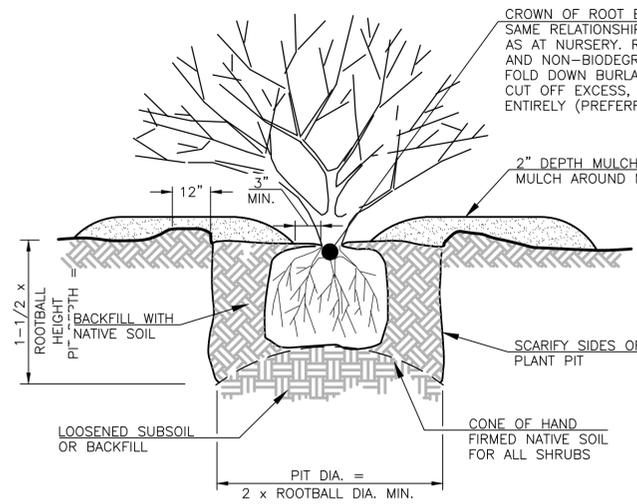


RESTORATION PLANTING LEGEND:

- ARBORIST'S MULCH, 2" DEPTH
- REMOVE UNWANTED VEGETATION (BLACKBERRIES) & PLANT RELOCATED PLANTS
- PLANT RELOCATED PLANTS

SHRUBS PLANTING LEGEND:

SYMBOL	SCIENTIFIC NAME	COMMON NAME	WLSTATUS	SPACING	QTY.	SIZE (MIN.)	NOTES
	CORNUS SERICEA	RED-OSIER DOGWOOD	FACW	3' O.C.	6	1 GAL	MULTI-CANE (3 MIN.)
	HOLODISCUS DISCOLOR	OCEAN SPRAY	NL	PER PLAN	1	1 GAL	MULTI-CANE (3 MIN.)
	MAHONIA AQUIFOLIUM	OREGONGRAPE	NL	3' O.C.	6	1 GAL	FULL & BUSHY
	PHYSOCARPUS CAPITATUS	PACIFIC NINEBARK	FACW-	PER PLAN	3	1 GAL	MULTI-CANE (3 MIN.)
	ROSA PISOCARPA	CLUSTERED WILD ROSE	FAC	3' O.C.	9	1 GAL	MULTI-CANE (3 MIN.)
	SAMBUCUS RACEMOSA	RED ELDERBERRY	FACU	PER PLAN	1	1 GAL	MULTI-CANE (3 MIN.)
	SYMPHORICARPOS ALBUS	SNOWBERRY	FACU	3' O.C.	10	1 GAL	MULTI-CANE (3 MIN.)
	4' WILLOW CUTTING	PACIFIC WILLOW		1' O.C.	30	4' TALL	IMBED 2' & ANGLE SLIGHTLY TOWARDS CREEK

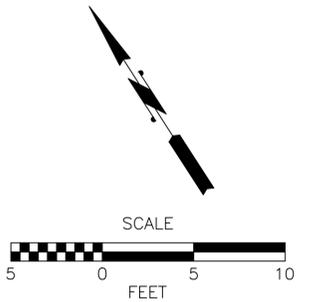


PLANTING DETAIL

N.T.S.

PLANTING GENERAL NOTES:

1. AFTER PLANTING, IMMEDIATELY SATURATE ALL PLANTINGS TO ELIMINATE AIR POCKETS AND FACILITATE SETTLING OF BACKFILL MATERIAL.
2. PROVIDE 2" UNIFORM DEPTH OF MULCH AT ALL PLANTING AREAS.
3. ROOT MASSES OF CONTAINERIZED STOCK SHALL BE "SCORED" WITH A SHARP OBJECT TO ENSURE THE PLANTS WILL NOT BECOME ROOT BOUND.
4. ALL NON-NATIVE/UNDESIRABLE PLANTS (BLACKBERRY, SCOTCH BROOM, REED CANARY GRASS, ETC.) THAT MAY INHIBIT THE GROWTH OF NEW PLANTINGS SHALL BE REMOVED FROM THE LIMIT OF PROJECT DISTURBANCE.
5. SEE SPECIAL PROVISIONS.
6. SEE THIS SHEET FOR PLANT LEGEND AND DETAILS.



CALL 2 WORKING DAYS BEFORE YOU DIG
1 800 424-5555
UTILITIES UNDERGROUND LOCATION CENTER

Jan 21, 2016 - 2:07pm MickyC_Xi\Kenmore_City of Projects\20170 - Professional Services Contract 12-C\082\015 - Log Boom Park Ped Bridge\CADD\Plan Sheets\201701015_PP.dwg Layout Name: PP1

No.	Date	Revision	By	Appr.

Perteet
425-252-7700 | 1-800-615-9900
2707 Colby Avenue, Suite 900
Everett, Washington 98201



Drawn By	Date
M. CALES	1/20/2016
Designed By	
J. WALKER	1/20/2016
Checked By	
D. SMITH	1/20/2016
Approved By	

CITY OF KENMORE
LOG BOOM PARK PEDESTRIAN BRIDGE
RESTORATION PLANTING PLAN

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