

**DRAWING INDEX** 

UPPER TOKUL CREEK BRIDGE #271B BRIDGE REPLACEMENT PROJECT

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Know what's below. Call before you dig.

SHEET

60% DESIGN PROGRESS 12/2/20

				•			
-	SURVEY JOB NO:19030	05/2019					
	CHECKED: J. EVANS	08/2019					_
	CAD ENTERED: D. FOSTER	12/2020			<del></del>	<u> </u>	-
`	DESIGNED. R. KOESTER/A. CHARNESKI				<del></del>		-
,	CHECKED: S. SOISETH/E. FERLUGA	12/2020					] _
	SUPERVISOR: S. SOISETH	12/2020					AND A
			NUM.	REVISION	BY	DATE	-

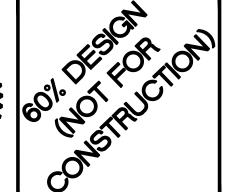
AND SIGNAL PLAN

DIVERSION TEMPORARY TRAFFIC CONTROL



B. 50/6	FED. AID No	N/A	
OF WASH IN SECTION OF WASH IN SE	PROJECT No SURVEY No	1135999 TBD	
S/ONAL ENGLA	MAINTENANCE	DIVISION No.	2





KING COUNTY DEPT. OF LOCAL SERVICES JOHN TAYLOR, DIRECTOR

**UPPER TOKUL CREEK BRIDGE #271B BRIDGE REPLACEMENT PROJECT** 

2	E
King	County

SHEETS

320-90 (GN01)

TS01

COVER SHEET

#### LINETYPES DESCRIPTION **SURFACE FEATURES:** BUILDING LINE (EXIST.) CANAL[SCALEABLE](EXIST.) CREEK/DITCH CENTERLINE (EXIST.) CURB/PAVEMENT/SIDEWALK (EXIST.) FENCE (EXIST.) \_\_\_ x\_\_\_ x\_\_\_ x\_\_\_ x\_\_\_ x\_\_ GUARDRAIL (EXIST.) LAKE/POND MARSH/SWAMP PERIMETER WETLAND PERIMETER (DELINEATED BY BIOLOGIST) WETLAND BUFFER (DELINEATED BY BIOLOGIST) RETAINING WALL (EXIST.) RIVERBANK/SHORELINE SHOULDER (EXIST.) ROCK FACING (EXIST.) ORDINARY HIGH WATER 100 YEAR FLOOD LINE **SURVEY:** CENTERLINE (EXIST.) CONTOUR (DEPRESSION) CONTOUR (INTERVAL) (EXIST.) CONTOUR (INDEX) (EXIST.) EASEMENT (TEMPORARY) PROPERTY LINE (EXIST.) RANGE/TOWNSHIP LINE RESERVATION/PARK/FOREST (EXIST.) RIGHT-OF-WAY (EXIST.) /////// CITY-LIMITS \_\_\_\_\_ SECTION LINE ——— QUARTER SECTION LINE STATE/COUNTY/CORPORATE LIMIT UTILITIES (EXIST.): CABLE TELEVISION (AERIAL) CABLE TELEVISION (BURIED)

FORCE MAIN

6" GAS LINE

POWER (AERIAL)

POWER (BURIED)

SANITARY SEWER

(12" CMP) STORM DRAIN

UTILITY SERVICE LINE (GENERAL)

TELEPHONE (AERIAL)

TELEPHONE (BURIED)

GAS

OIL

WATER

12" WATER

CONSTRUCT	DESCRIPTION
	BUILDING LINE
=::=::=::=::=	CREEK/DITCH
	CREEK/DITCH CENTERLINE
<u> </u>	CURB(PROP) 2/7
<u> </u>	CURB/PAVEMENT/SIDEWALK
x	SILT FENCE
v	HIGH VISIBILITY FENCE
sw	STRAW WATTLE
TC	TURBIDITY CURTAIN
——— FS ————	FLAGS & STAKES
	GUARDRAIL
	LAKE/POND
	MARSH/SWAMP PERIMETER
	WETLAND PERIMETER
WB	WETLAND BUFFER
	RETAINING WALL (CONC. BLOCK)
	RETAINING WALL (GABION)
	RETAINING WALL (GEOSYNTHETIC)
	TEMPORARY BARRIER
·CBCBCBCBCBCBCBCBC	ROCK FACING
	CENTERLINE
	CONTOUR (INTERVAL)
***	CONTOUR (INDEX)
	TEMPORARY CONSTRUCTION EASEMENT
	PROPERTY LINE
	RIGHT-OF-WAY (EXIST. DURING DESIGN REVIEW ONLY)
	RIGHT-OF-WAY
	RIGHT-OF-WAY (LIMITED ACCESS) COINCIDENTAL
с	CUT LINE
F	FILL LINE
C&G	CLEARING LIMITS
	SAWCUT

**LEGEND** 

#### GAS/POWER/TELEPHONE DESCRIPTION EXIST. CONSTRUCT GAS METER GAS VALVE PAD MOUNTED TRANSFORMER POWER VAULT TRANSMISSION TOWER (SCALEABLE) UTILITY POLE **-**O-POWER POLE UTILITY POLE ANCHOR TELEPHONE RISER TELEPHONE VAULT SURVEY SYMBOL DESCRIPTION ANGLE POINT BENCH MARK BLOCK CORNER IRON PIPE MONUMENT (IN CASE) MONUMENT (SURFACE) OWNERSHIP TIE 1 SECTION CENTER SECTION CORNER 17**1**16 QUARTER CORNER SIXTEENTH CORNER CLOSING CORNER $\triangleright$ MEANDER CORNER WITNESS CORNER SOIL BORING SPOT ELEVATION TAX LOT / PARCEL NUMBER INTERSTATE

# SYMBOLS BORING LOCATION PERMANENT SIGN / TEMPORARY TEMPORARY TRAFFIC SIGNAL TEMPORARY STABILIZED CONSTRUCTION ENTRANCE CLEARING LIMIT COIR LOG DUST CONTROL MEASURES CATCH BASIN AND CULVERT/INLET PROTECTION QUARRY SPALL PROTECTION SILT FENCE STRAW WATTLE TURBIDITY CURTAIN HIGH VISIBILITY FENCE WATER QUALITY SAMPLING LOCATION -STRUCTURE DETAILS NO. CALL OUT DESIGNATION CONTRACTOR SHALL VERIFY LOCATION AND DEPTHS OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION WATER SYMBOL DESCRIPTION CONSTRUCT GUARD POST FIRE HYDRANTS: WATER VALVE ROAD PLAN SYMBOL DESCRIPTION CUT SLOPE CATCH POINTS(OPTIONAL) (SCALEABLE) FILL SLOPE CATCH POINTS(OPTIONAL) (SCALEABLE) ASSESSOR'S CODE **DRAINAGE**

	ABBREVIATION	<b>1</b> S	
ABAND	ABANDONED	QTY	QUANTITY
AC	ASPHALT CONCRETE	R R	RADIUS
ACP	ASPHALT CONCRETE PAVEMENT	RD	ROAD
ADJ	ADJUST	REINF	REINFORCED
AH	AHEAD	REQ'D	REQUIRED
AP	ANGLE POINT	ROW	RIGHT-OF-WAY
APPROX.		RT	RIGHT
ARD	AGREEMENT TO RECONSTRUCT DWY	R/W	RIGHT-OF-WAY
AVE	AVENUE	s <sup>′</sup>	SOUTH/SLOPE
AVG	AVERAGE	SAN	SANITÄRY
BK	BACK	SCHED	SCHEDULE
B	BASELINE	SD	STORM DRAIN
BLDG	BUILDING	SECT	SECTION
BLVD	BOULEVARD	SERV	SERVICE
BM	BENCH MARK	SF	SQUARE FEET/FOOT
BMP BOT	BEST MANAGEMENT PRACTICE BOTTOM	SHLD SHT	SHOULDER SHEET
BRG	BEARING	SP	1 SHIELDED PAIR IN SHINGLE CABLE
BTWN	BETWEEN	SPEC	SPECIAL
BVCE	BEGINNING OF VERTICAL CURVE ELEVATION	SPECS	SPECIFICATIONS
BVCS	BEGINNING OF VERTICAL CURVE STATION	SQ	SQUARE
C	CONDUCTOR	SR	STATE ROUTE
CATV	CABLE TV	SS	SANITARY SEWER
CB	CATCH BASIN	ST	STREET
CL	CLASS	STA	STATION
<b>©</b>	CENTERLINE	S/W T	SIDEWALK
CLR	CLEAR	TAN	TELEPHONE, TANGENT, TON TANGENT
CMP	CORRUGATED METAL PIPE	TBM	TEMPORARY BENCHMARK
COMPT	COMPACTED	TCE	TEMPORARY CONSTRUCTION EASEMENT
CONC CONN	CONCRETE	TEMP	TEMPORARY CONSTRUCTION EASEMENT
CONN	CONNECT CONSTRUCTION	TP	TELEPHONE POLE
CSTC	CRUSHED SURFACING TOP COURSE	TYP	TYPICAL
CU	CUBIC CUBIC	UD	UNDERDRAIN PIPE
CY	CUBIC YARD	UG	UNDERGROUND
CULV	CULVERT	VAR	VARIES
D	DRAIN PIPE	VC	VERTICAL CURVE
DEG OR		VERT.	VERTICAL
DIAM	DIAMETÈR	W	WEST, WATER
DIST	DISTANCE	W/	WITH
DWG	DRAWING	WM	WATER METER
DWY	DRIVEWAY	WM W (O	WATERMAIN
E	EAST, ELECTRICAL	W/O WV	WITHOUT WATER VALVE
EA EL	EACH ELEVATION	Y	YELLOW
ELEC	ELECTRICAL	Ý	YELLOW (FLASH)
EMB	EMBANKMENT	YDS	YARDS
EP	EDGE OF PAVEMENT	&	AND
EQ	EQUATION		
EST	ESTIMATE		
EVCE	END OF VERTICAL CURVE ELEVATION		
EVCS	END OF VERTICAL CURVE STATION		
EXCL	EXCLUDE		
EXIST	EXISTING		
FH FT OR	FIRE HYDRANT		
FT OR	FEET/FOOT		
G	GAS LINE, GREEN		
GALV GB	GALVANIZED GRADE BREAK		
GE GE	GRATE ELEVATION		
GR	GUARDRAIL		
GRD	GROUND		
GV	GAS VALVE		
HORIZ	HORIZONTAL		
HPS	HIGH PRESSURE SODIUM		
HT	HEIGHT		
HUND	HUNDRED		
HWY	HIGHWAY		
ID IE	INSIDE DIAMETER INVERT ELEVATION		
INV	INVERT		
JB.	JUNCTION BOX		
JTS, JT	JOINTS, JOINT		
JUD	JOINT USE DRIVEWAY		
L_	LENGTH OF ARC		
LF	LINEAL FOOT/FEET		
LT	LEFT		
LUMIN	LUMINAIRE		
M	METER		
MAX	MAXIMUM MANUOLE		
MH	MANHOLE		
MIN MISC	MINIMUM MISCELLANEOUS		
MON	MISCELLANEOUS MONUMENT		
MUTCD	MANUAL ON UNIFORM TRAFFIC CONTROL DIVICE	S	
N N	NORTH	_	
NO	NUMBER		
NST	NOT STEEPER THAN		
NTS	NOT TO SCALE		
O-XING	OVERHEAD CROSSING		
O.C. OD	ON CENTER OUTSIDE DIAMETER		

3	Know what's below. Call before you dig.  SHEET 2 OF 33 SHEETS

SURVEY JOB NO: .	19030	05/2019		
CHECKED:	J. EVANS	08/2019		
CAD ENTERED:	D. FOSTER	12/2020		
DESIGNED:	R. KOESTER	12/2020		
CHECKED:	S. SOISETH	12/2020		
SUPERVISOR:	S. SOISETH	12/2020		
			NUM. REVISION BY	DATE





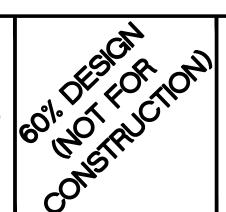
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1	FED. AID No	N/A		
	PROJECT No	1135999		
	SURVEY No	TBD		
•	MAINTENANCE	DIVISION No	2	



SYMBOL

CONSTRUCT



STORM DRAIN CATCH BASIN (GRATE LID)

STORM DRAIN CATCH BASIN (SOLID LID)

STORM DRAIN INLET (NO CATCH)

STORM DRAIN CATCH BASIN TYPE 2

STORM DRAIN CULVERT

STORM DRAIN MANHOLE

KING COUNTY DEPT. OF LOCAL SERVICES JOHN TAYLOR, DIRECTOR

OUTSIDE DIAMETER

POLE, POWER

PAVEMENT

PRE-EMPT

**PEDESTRIAN** 

PROPERTY LINE

POUND PER SQ IN POINT OF TANGENT POLYVINYL CHLORIDE

POWER POLE

PAV'T

ORDINARY HIGH WATER OVERHEAD POWER OVERHEAD TELEPHONE

PARK ACCESS ROAD

POINT OF CURVATURE

POINT OF INTERSECTION

POINT OF REVERSE CURVE

POINT OF VERTICAL COMPOUND CURVE

POINT OF VERTICAL INTERSECTION POINT OF VERTICAL REVERSE CURVE

POINT OF COMPOUND CURVE

**UPPER TOKUL CREEK BRIDGE #271B** 

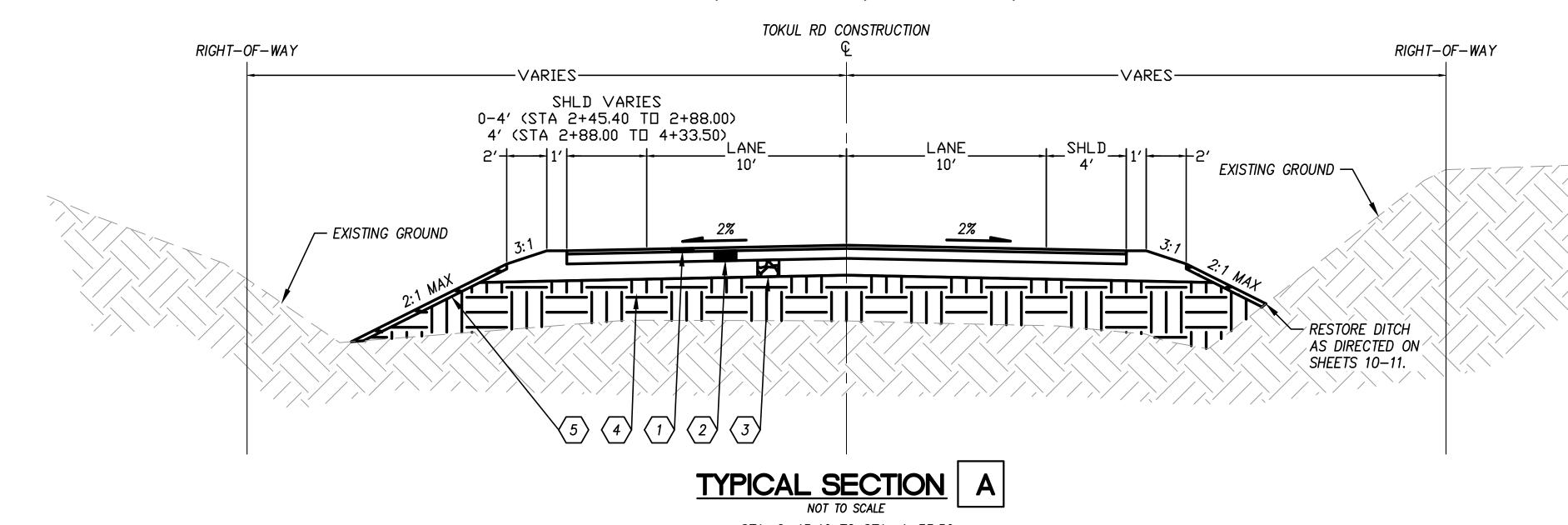
33 SHEETS

320-90 (GN02)

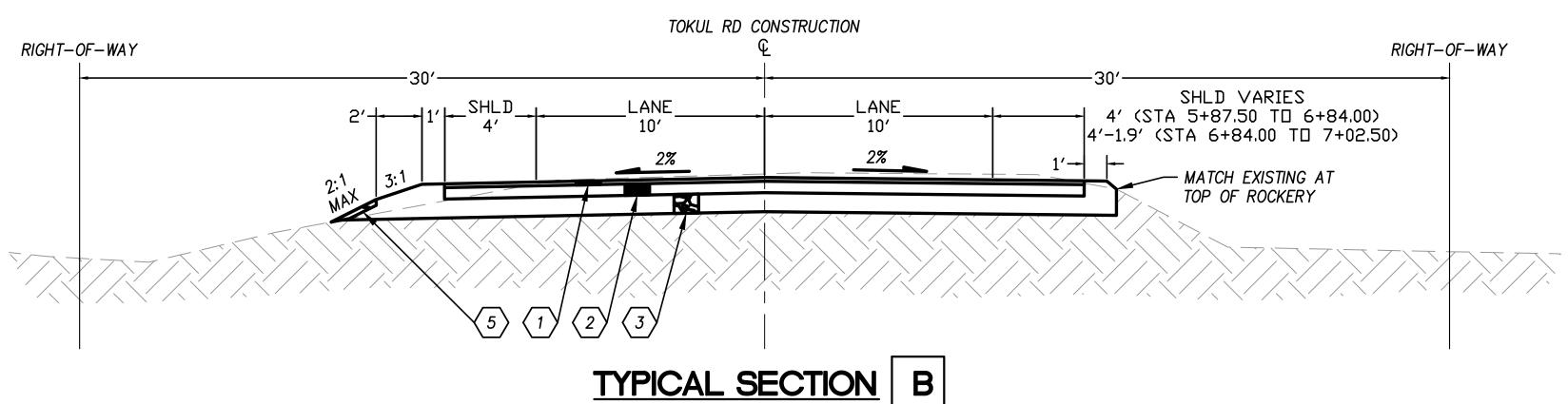
**BRIDGE REPLACEMENT PROJECT** 

LEGEND AND ABBREVIATIONS

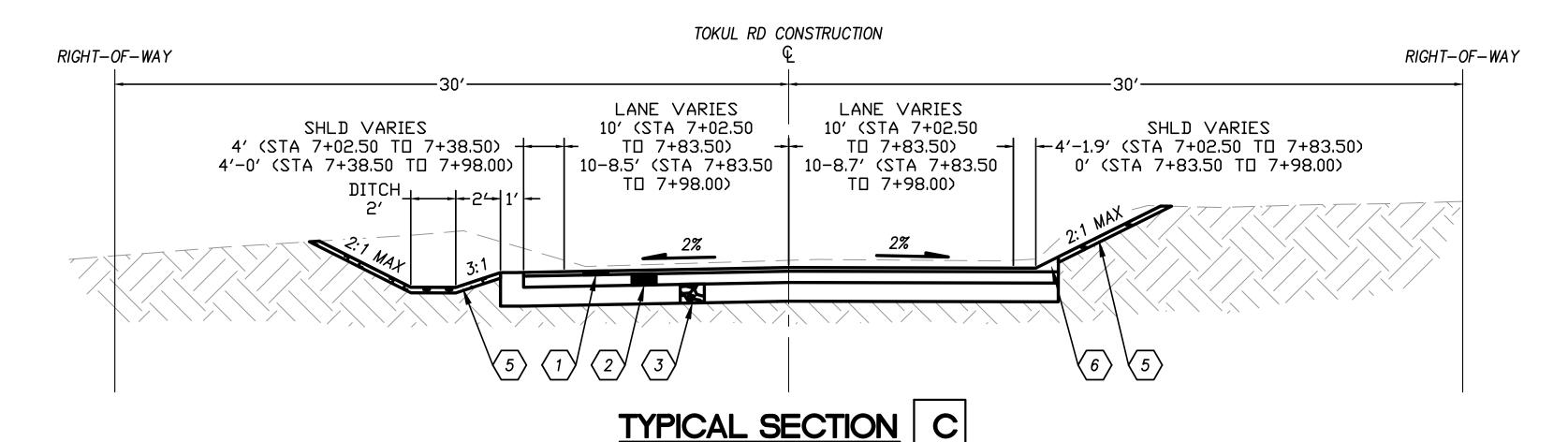
# SEC. 17, T.24 N., R.08 E., W.M.



STA. 2+45.40 TO STA. 4+33.50



STA. 5+87.50 TO STA. 7+02.50



STA. 7+02.50 TO TO STA. 7+98.00

BY

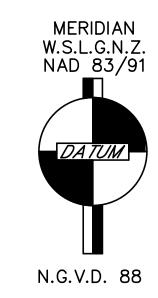
DATE

#### CONSTRUCTION NOTES

- $\langle 1 \rangle$  2" HMA CLASS 1/2 IN. PG 58H-22 (WEARING COURSE)
- 4" HMA CLASS 1/2 IN. PG 58H-22 (LEVELING COURSE)
- (3) 6" CSBC
- GRAVEL BORROW
- TURF MIX OF HYDROSEED OVER 3" TOPSOIL TYPE A
- HMA THICKENED EDGE (DETAIL TO BE PROVIDED AT 90%)

#### **GENERAL NOTES**

- 1. SEE SHEET 6 FOR SITE PREPARATION PLAN.
- 2. SEE SHEETS 10-11 FOR ROADWAY PLAN AND PROFILE AND FOR SHOULDER TAPERS.
- 3. SEE SHEETS 19 AND 28 FOR BRIDGE LAYOUT AND BRIDGE TYPICAL SECTION.





	19030	05/2019		
SURVEY JOB NO: _	J. EVANS			
CHECKED:	J. EVANS	08/2019		
CAD ENTERED:	D. FOSTER	12/2020		
	R. KOESTER	12/2020		
DESIGNED:				
CHECKED:	S. SOISETH	12/2020		

REVISION

S. SOISETH 12/2020

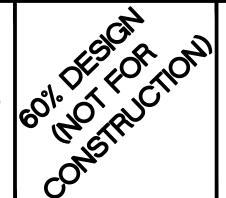
NUM.

SUPERVISOR:



A. Ko	FED. AID No	N/A
OF WASHING	PROJECT No	
5594 GLETERED 44	SURVEY No	TBD
GISTERED AS SIONAL ENGLIS	MAINTENANCE	DIVISION No. 2





KING COUNTY DEPT. OF LOCAL SERVICES JOHN TAYLOR, DIRECTOR

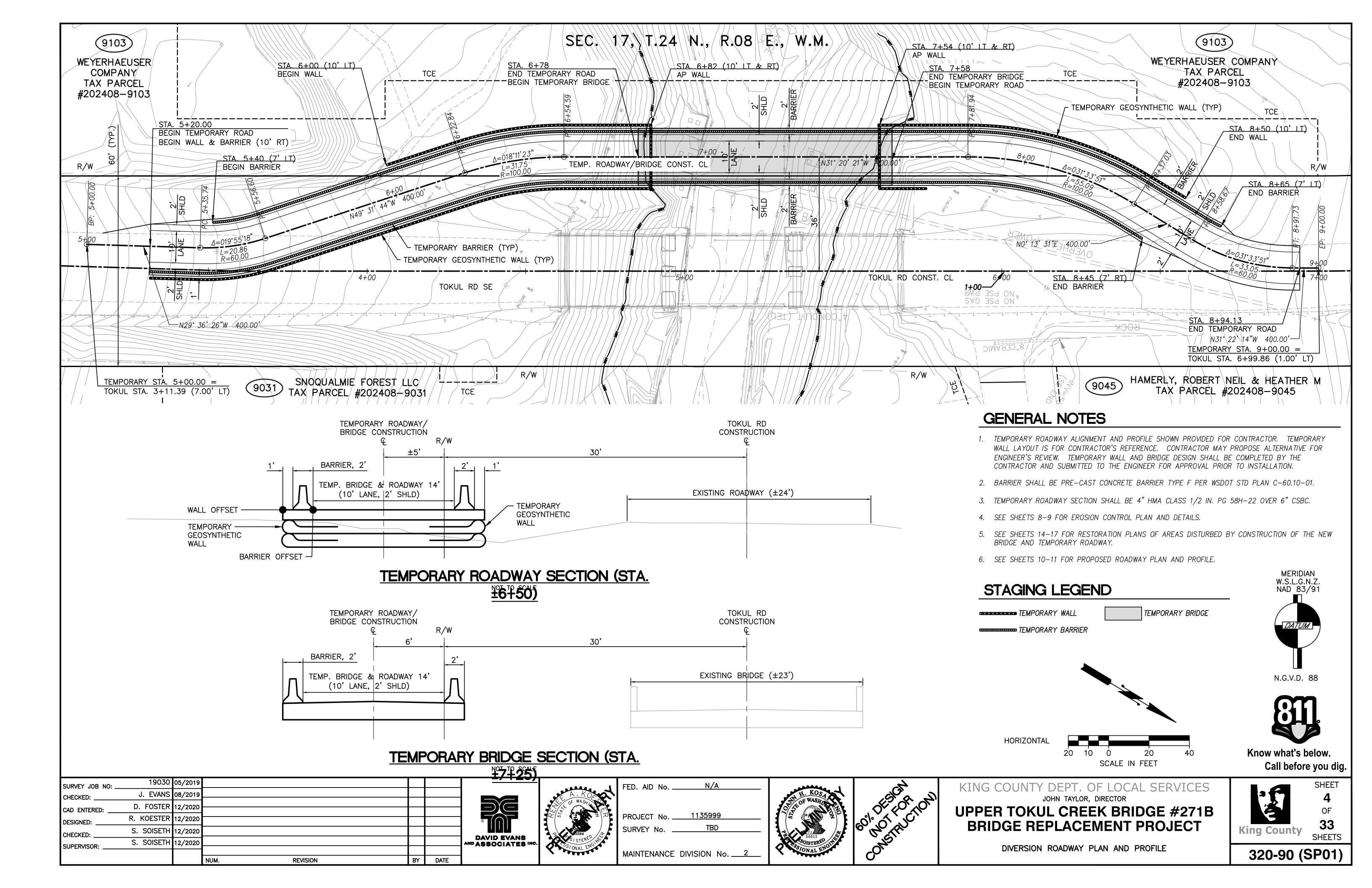
# **UPPER TOKUL CREEK BRIDGE #271B BRIDGE REPLACEMENT PROJECT**

TYPICAL ROADWAY SECTIONS

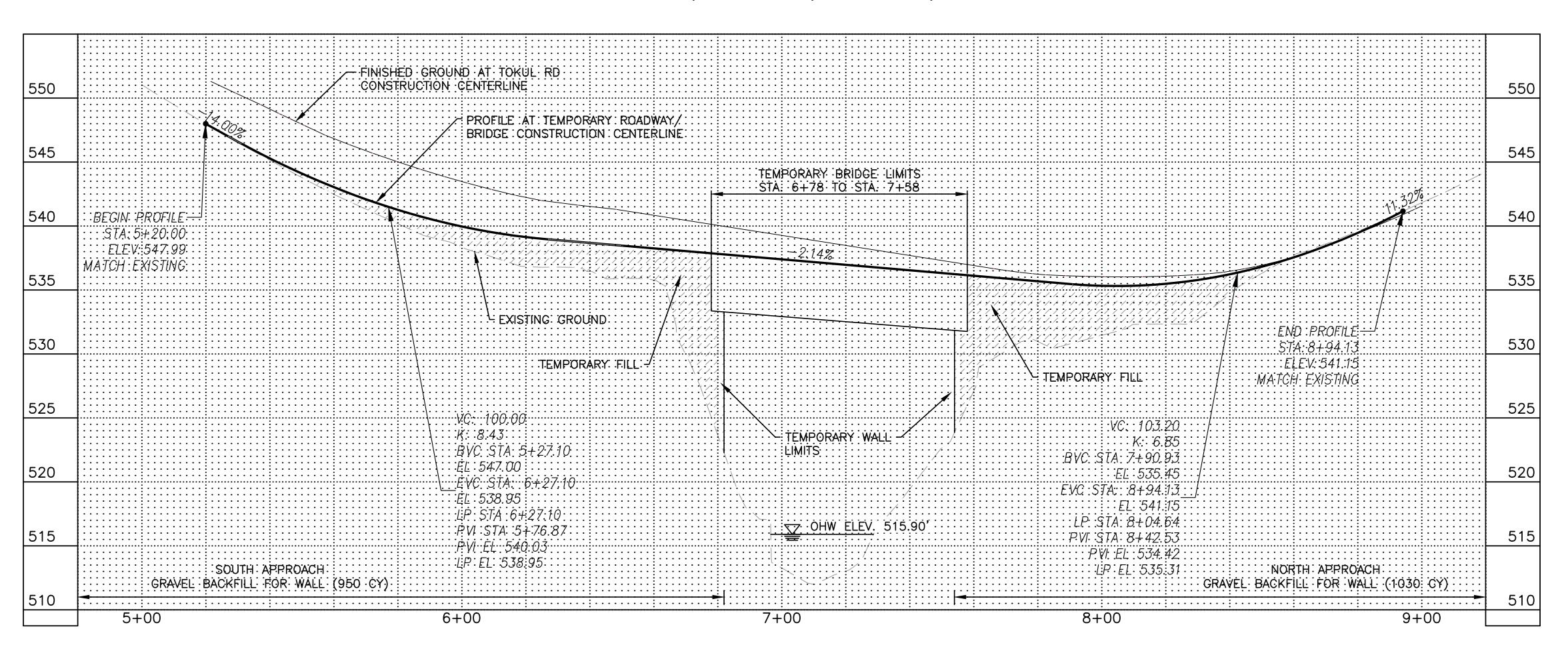


SHEET 33 **King County** SHEETS

320-90 (XS01)



#### SEC. 17, T.24 N., R.08 E., W.M.



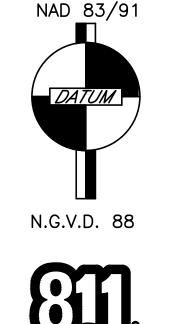
#### **GENERAL NOTES**

- 1. TEMPORARY ROADWAY ALIGNMENT AND PROFILE SHOWN PROVIDED FOR CONTRACTOR. TEMPORARY WALL LAYOUT IS FOR CONTRACTOR'S REFERENCE. CONTRACTOR MAY PROPOSE ALTERNATIVE FOR ENGINEER'S REVIEW. TEMPORARY WALL AND BRIDGE DESIGN SHALL BE COMPLETED BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO INSTALLATION.
- 2. SEE SHEET 4 FOR DIVERSION ROADWAY AND BRIDGE PLAN AND SECTIONS.

#### STAGING LEGEND

TEMPORARY FILL





MERIDIAN

W.S.L.G.N.Z.

HORIZONTAL										
	2	0	1	0	(	כ		2	0	4
					SC	ALE	IN	FE	ΕT	
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VERTICAL	þ									
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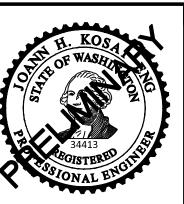
Know what's below.  Call before you dig.	
SHFFT	

			NUM. REVISION	BY	DATE	
SUPERVISOR:	S. SOISETH	12/2020				AND A
CHECKED:	S. SOISETH					
DESIGNED:	R. KOESTER	,				
CAD ENTERED:	D. FOSTER					
CHECKED:		·				
	J. EVANS	09/2010				
SURVEY JOB NO: _	19030	05/2019				

DAVID EVANS ASSOCIATES INC.
--------------------------------

A. KOR OF WASHING SSIONAL ENGINE

7	FED. AID No. N/A
	PROJECT No. 1135999 SURVEY No. TBD
•	MAINTENANCE DIVISION No2



KING COUNTY DEPT. OF LOCAL SERVICES JOHN TAYLOR, DIRECTOR

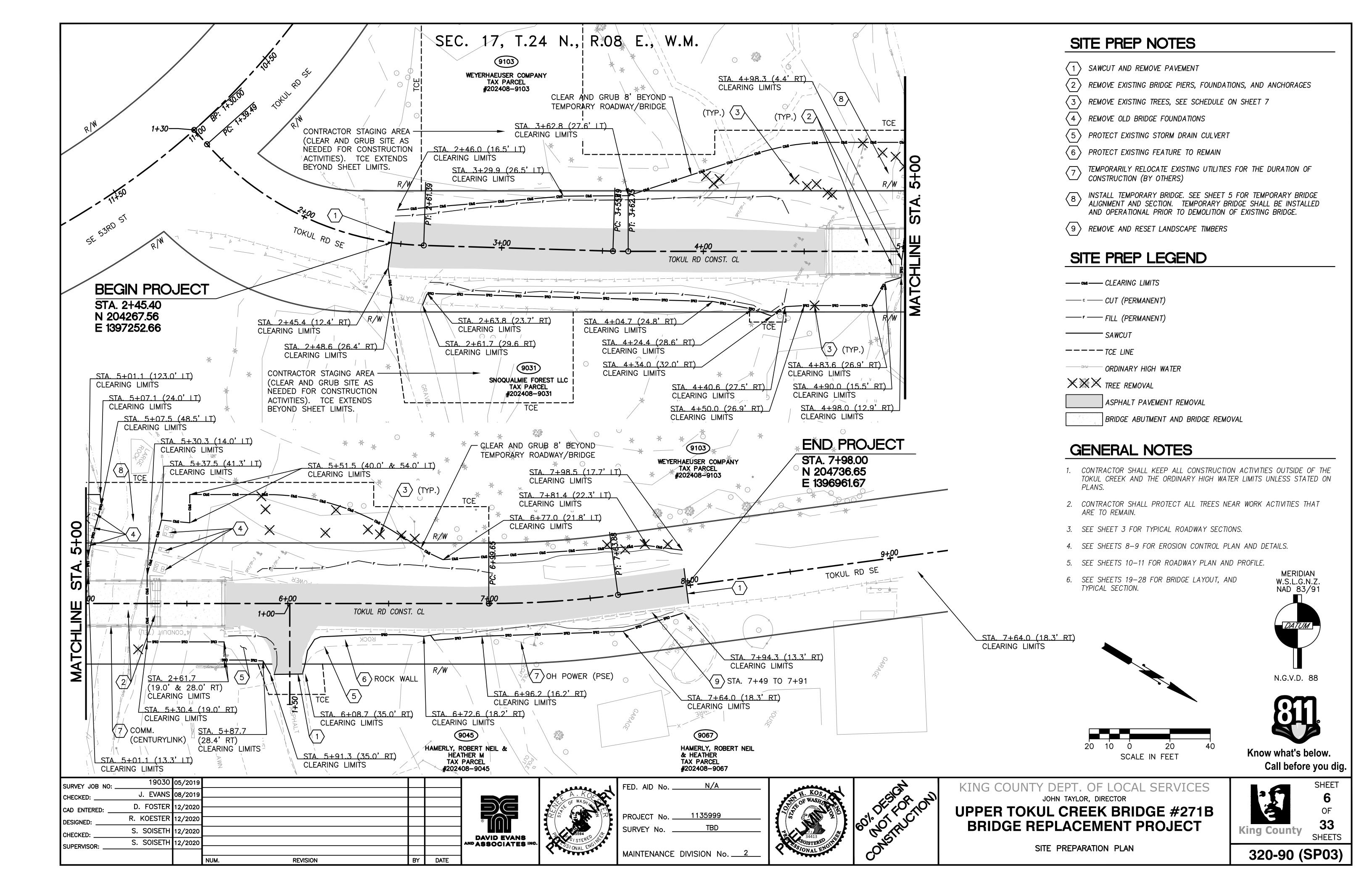
**UPPER TOKUL CREEK BRIDGE #271B BRIDGE REPLACEMENT PROJECT** 

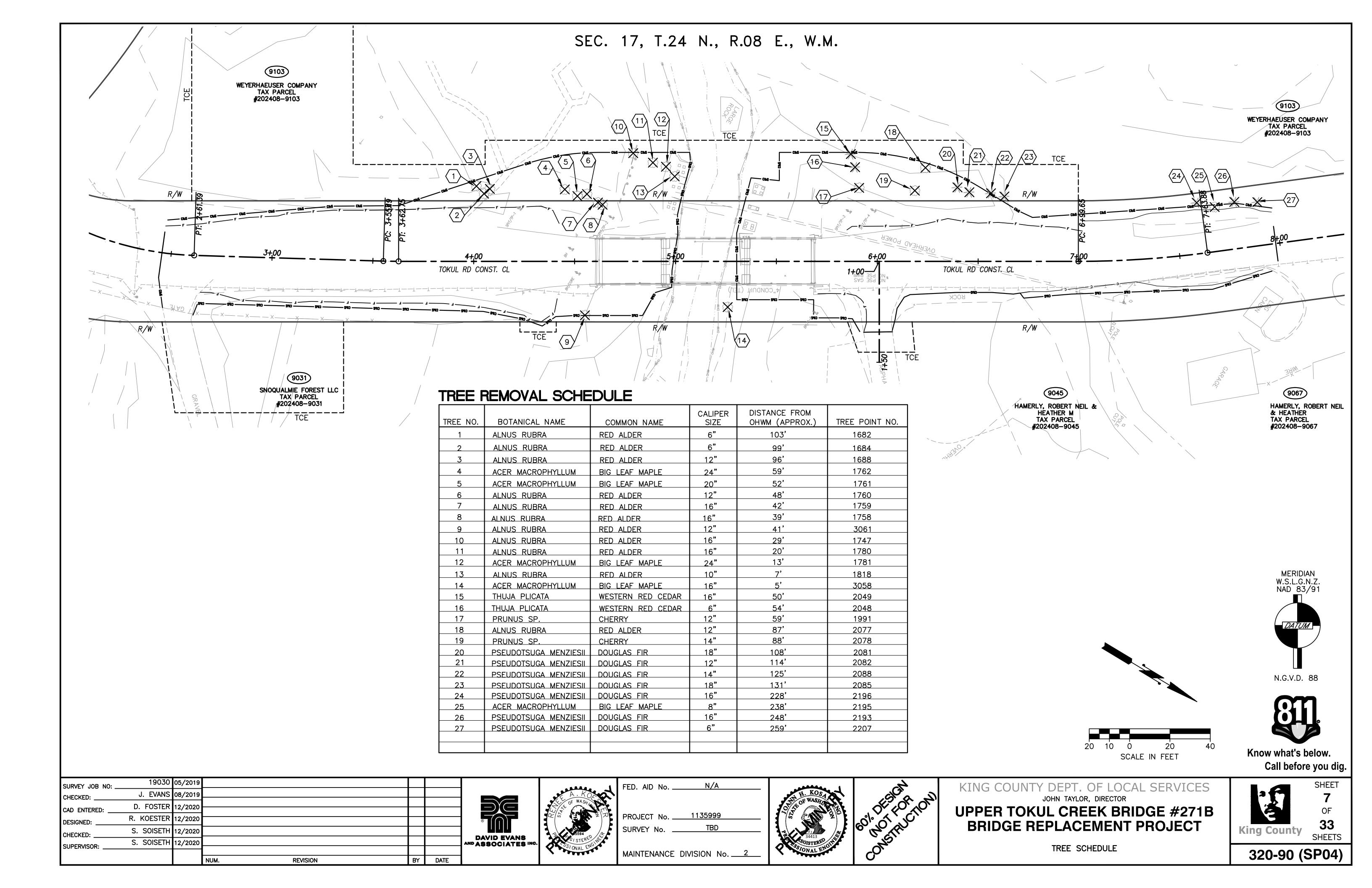
DIVERSION ROADWAY PLAN AND PROFILE

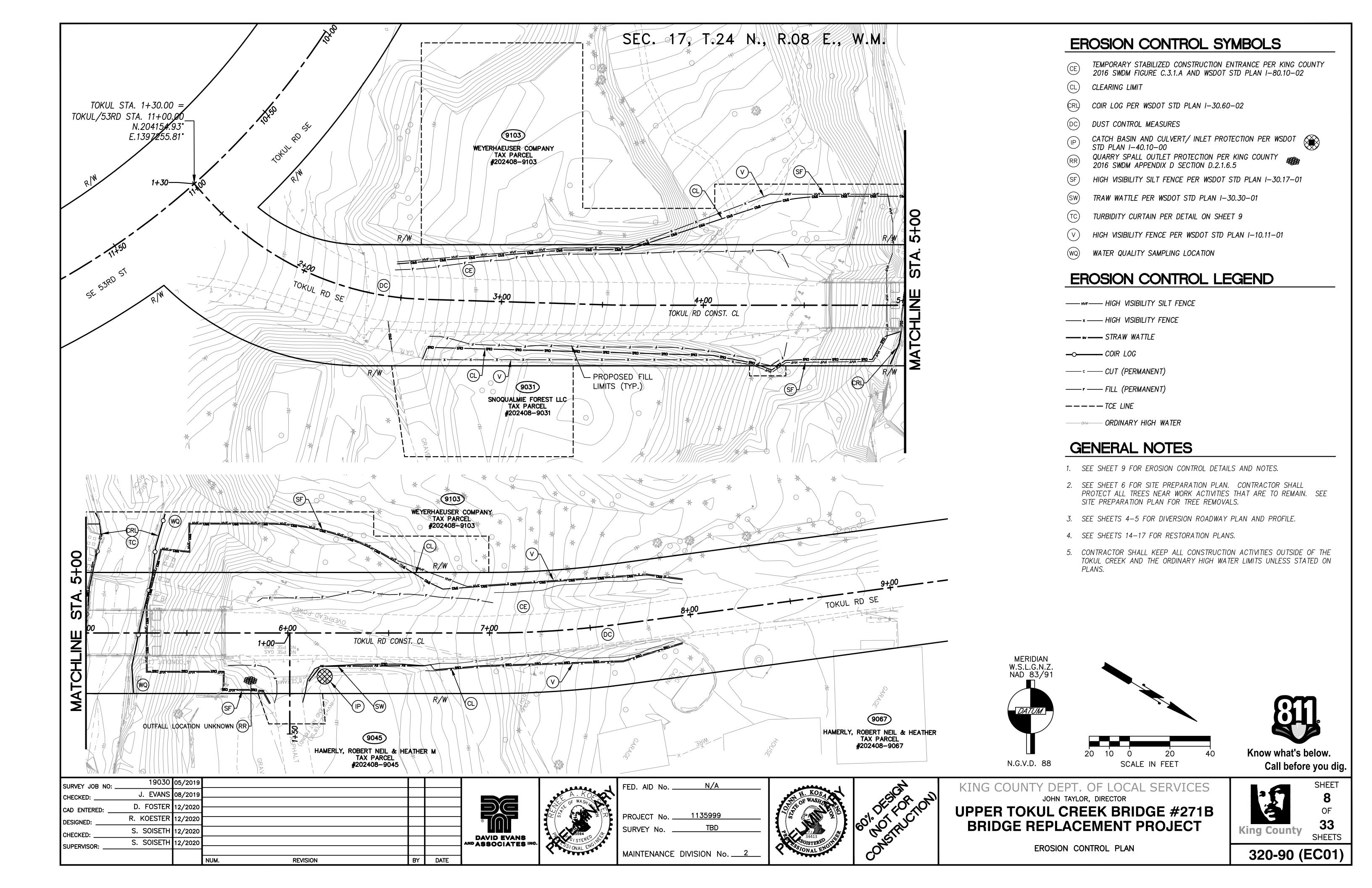


2HFF1 33 **King County** SHEETS

320-90 (SP02)



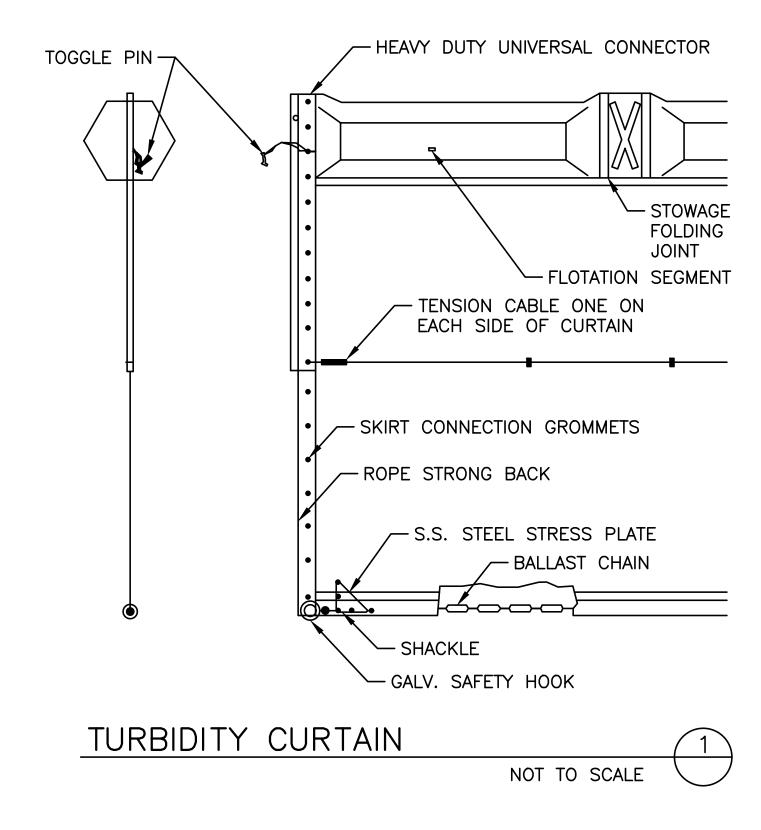


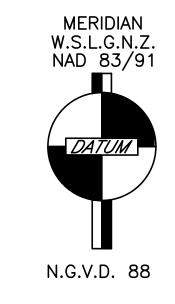


#### EROSION CONTROL NOTES

- 1. CONSTRUCTION SEQUENCE TO BE APPROVED:
  - A. CONDUCT PRE-CONSTRUCTION MEETING. B. FLAG OR FENCE CLEARING LIMITS.
  - C. POST SIGN WITH NAME AND PHONE NUMBER OF TESC SUPERVISOR.
  - D. INSTALL CATCH BASIN PROTECTION IF REQUIRED.
  - INSTALL PERIMETER PROTECTION, SILT FENCE, BRUSH BARRIER, ETC.
  - F. MAINTAIN TESC MEASURES IN ACCORDANCE WITH KING COUNTY 2016 SURFACE WATER DESIGN MANUAL AND MANUFACTURER'S RECOMMENDATIONS.
  - G. RELOCATE TESC MEASURES OR INSTALL NEW MEASURES SO THAT AS SITE CONDITIONS CHANGE, THE TESC IS ALWAYS IN ACCORDANCE WITH WSDOT TESC MINIMUM REQUIREMENTS.
  - H. STABILIZE ALL AREAS THAT REACH FINAL GRADE WITHIN 7 DAYS.
  - SEED OR SOD ANY AREAS TO REMAIN UNWORKED FOR MORE THAN 30 DAYS.
  - J. UPON COMPLETION OF THE PROJECT, ALL DISTURBED AREAS MUST BE STABILIZED AND BEST MANAGEMENT PRACTICES REMOVED IF APPROPRIATE.
- 2. THE LOCATION AND USE OF TESC BMP'S IS FOR REFERENCE ONLY. THE IMPLEMENTATION OF THIS TESC PLAN AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT, AND UPGRADING OF THESE TESC FACILITIES IS THE RESPONSIBILITY OF THE PERMITTEE/CONTRACTOR UNTIL ALL CONSTRUCTION IS APPROVED.
- 3. THE TESC FACILITIES SHOWN ON THIS PLAN MUST BE CONSTRUCTED PRIOR TO OR IN CONJUNCTION WITH ALL CLEARING AND GRADING ACTIVITIES IN SUCH A MANNER AS TO ENSURE THAT SEDIMENT-LADEN WATER DOES NOT ENTER TOKUL CREEK OR VIOLATE APPLICABLE WATER STANDARDS. WHEREVER POSSIBLE, MAINTAIN NATURAL VEGETATION FOR SILT CONTROL.
- 4. 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, FOR EXAMPLE, ADDITIONAL SUMPS, RELOCATION OF DITCHES AND SILT FENCES, ETC, AS NEEDED FOR UNEXPECTED STORM EVENTS. ADDITIONALLY, MORE TESC FACILITIES MAY BE REQUIRED TO ENSURE COMPLETE SILTATION CONTROL. THEREFORE, DURING THE COURSE OF CONSTRUCTION IT SHALL BE THE OBLIGATION AND RESPONSIBILITIES OF THE CONTRACTOR TO ADDRESS ANY NEW CONDITIONS THAT MAY BE CREATED BY HIS ACTIVITIES AND TO PROVIDE ADDITIONAL FACILITIES OVER AND ABOVE THE MINIMUM REQUIREMENTS AS MAY BE NEEDED.
- 5. THE TESC FACILITIES TO BE INSPECTED BY THE CONTRACTOR IN ACCORDANCE WITH THE CONSTRUCTION STORMWATER GENERAL PERMIT AND MAINTAINED AS NECESSARY TO ENSURE THEIR CONTINUED FUNCTIONING. IN ADDITION, ALL TEMPORARY EROSION CONTROLS TO BE MAINTAINED IN A SATISFACTORY CONDITION UNTIL SUCH TIME THAT CLEARING AND/OR CONSTRUCTION IS COMPLETED. PERMANENT DRAINAGE FACILITIES ARE OPERATIONAL, AND THE POTENTIAL FOR EROSION HAS PASSED. WRITTEN RECORDS TO BE KEPT DOCUMENTING THE REVIEWS OF THE TESC FACILITIES.
- 6. THE TESC FACILITIES ON INACTIVE SITES TO BE INSPECTED AND MAINTAINED A MINIMUM OF ONCE A MONTH OR WITHIN 48 HOURS FOLLOWING A STORM EVENT.
- 7. ALL DENUDED SOILS MUST BE STABILIZED WITH AN APPROVED TESC METHOD, FOR EXAMPLE, SEEDING, MULCHING, PLASTIC COVERING, CRUSHED ROCK, WITH THE FOLLOW TIMELINES:
  - MAY 1 TO SEPTEMBER 30 SOILS MUST BE STABILIZED WITHIN 7 DAYS OF GRADING.
  - OCTOBER 1 TO APRIL 30 SOILS MUST BE STABILIZED WITHIN 2 DAYS OF GRADING.
  - STABILIZE SOILS AT THE END OF THE WORKDAY PRIOR TO A WEEKEND, HOLIDAY, OR PREDICTED RAIN EVENT.
- 8. A COPY OF THE TESC PLANS MUST BE ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS.
- 9. IF ANY PART(S) OF THE CLEARING LIMIT BOUNDARY OR TEMPORARY EROSION/SEDIMENTATION CONTROL PLAN IS/ARE DAMAGED, IT IS TO BE REPAIRED IMMEDIATELY.
- 10. ALL PROPERTIES ADJACENT TO THE PROJECT SITE TO BE PROTECTED FROM SEDIMENT DEPOSITION AND RUNOFF.

- 11. PRIOR TO OCTOBER 1 OF EACH YEAR, AT THE BEGINNING OF THE WET SEASON, ALL DISTURBED AREAS TO BE REVIEWED TO IDENTIFY WHICH ONES CAN BE SEEDED IN PREPARATION FOR THE WINTER RAINS. THE IDENTIFIED DISTURBED AREA TO BE SEEDED WITHIN ONE WEEK AFTER OCTOBER 1. A SITE PLAN DEPICTING THE AREAS TO BE SEEDED AND THE AREAS TO REMAIN UNCOVERED WILL BE SUBMITTED TO THE ENGINEER. THE ENGINEER CAN REQUIRE SEEDING OF ADDITIONAL AREAS IN ORDER TO PROTECT SURFACE WATERS, ADJACENT PROPERTIES, OR DRAINAGE FACILITIES.
- 12. DURING THE WET SEASON, OCTOBER 1 APRIL 30, CONTRACTOR SHALL:
  - PROTECT STOCK PILES AND STEEP CUT AND FILL SLOPES IF UNWORKED FOR MORE THAN 12 HOURS.
  - STOCKPILE COVER MATERIAL SUFFICIENT TO COVER ALL DISTURBED AREAS ON SITE.
  - STOCKPILE FIFTY LINEAR FEET OF SILT FENCE PER ACRE OF DISTURBANCE ON SITE.
  - INCREASE THE FREQUENCY OF MAINTENANCE REVIEW FROM MONTHLY TO WEEKLY.







SHEET

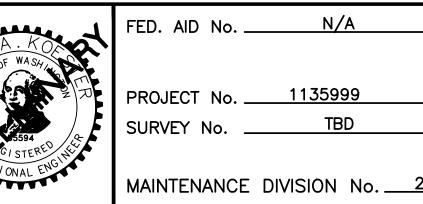
33

**SHEETS** 

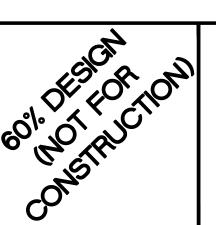
19030 05/2019 SURVEY JOB NO: . J. EVANS 08/2019 CHECKED: D. FOSTER 12/2020 CAD ENTERED: R. KOESTER 12/2020 DESIGNED: S. SOISETH 12/2020 CHECKED: S. SOISETH 12/2020 SUPERVISOR: BY NUM. REVISION DATE











KING COUNTY DEPT. OF LOCAL SERVICES JOHN TAYLOR, DIRECTOR

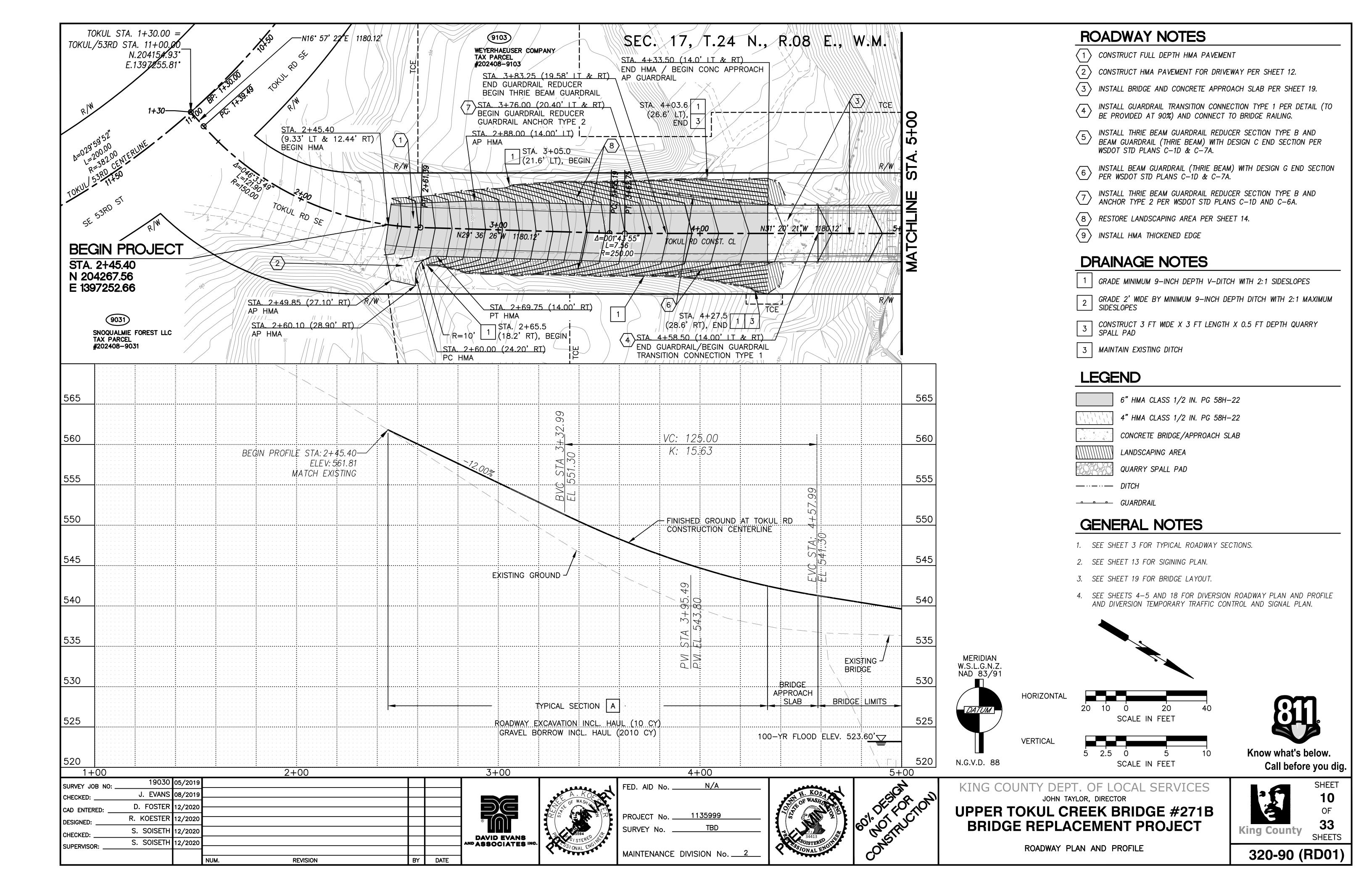
#### **UPPER TOKUL CREEK BRIDGE #271B** BRIDGE REPLACEMENT PROJECT

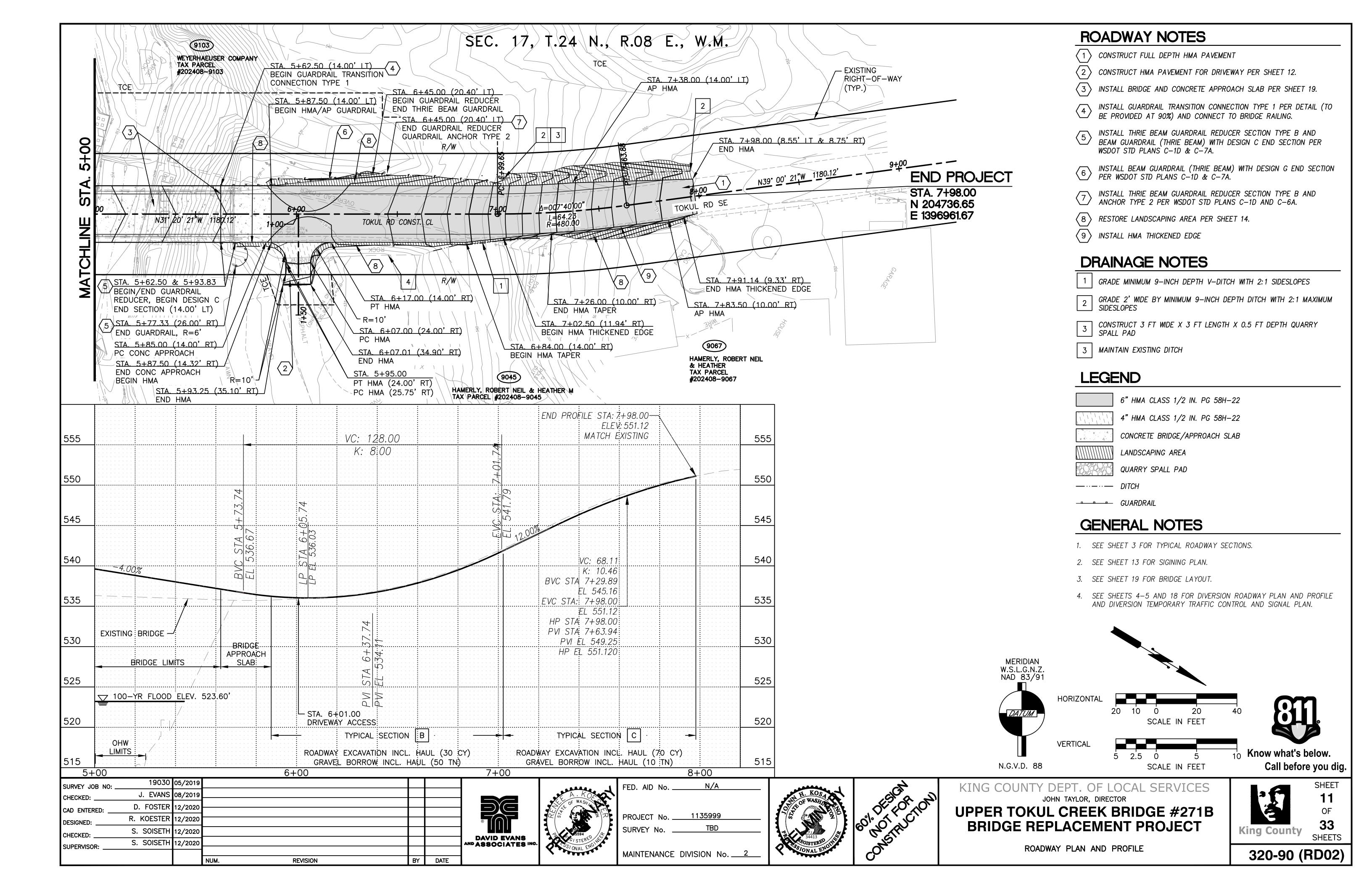
EROSION CONTROL DETAILS AND NOTES



**King County** 

320-90 (EC02)



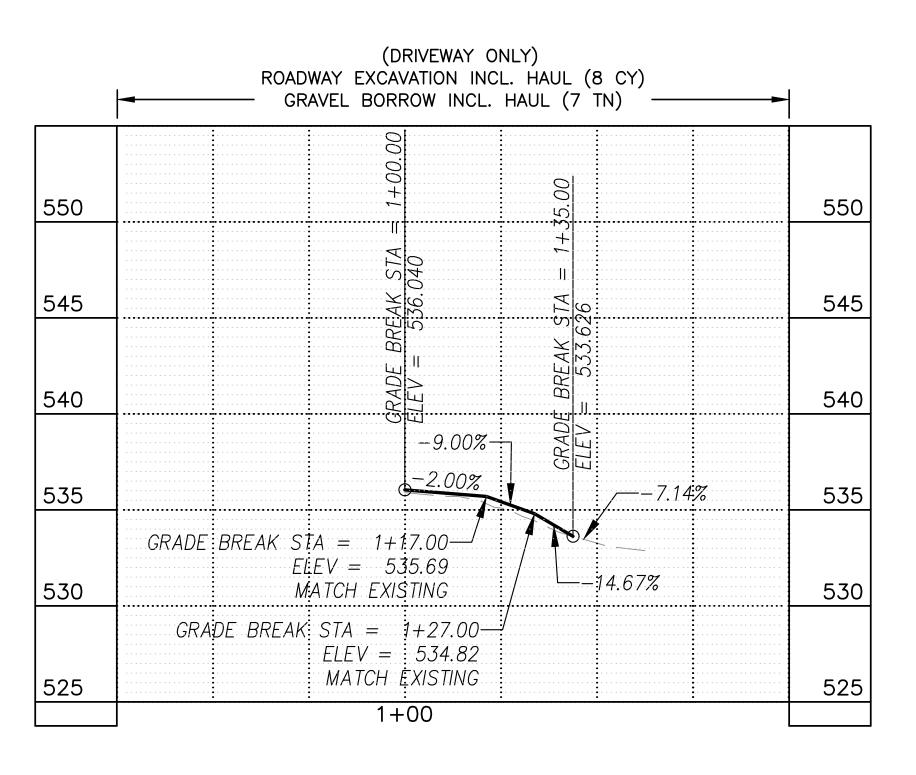


#### GENERAL NOTES

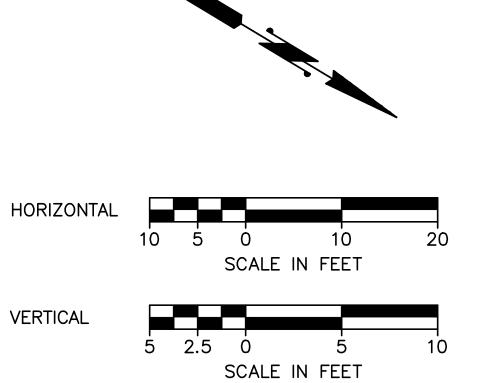
- 1. SEE SHEET 3 FOR TYPICAL ROADWAY SECTIONS.
- 2. SEE SHEETS 10-11 FOR ROADWAY PLAN AND PROFILE.
- 3. CONTRACTOR SHALL MAINTAIN ACCESS TO RESIDENTIAL DRIVEWAY THROUGHOUT CONSTRUCTION.

# 4" HMA CLASS 1/2 -└─ 6" CSBC IN. PG 58H-22 — GRAVEL BORROW

#### DRIVEWAY PAVEMENT SECTION NOT TO SCALE



**DRVEWAY PROFILE** (STA. 6+01.00)





SURVEY JOB NO: CHECKED: CAD ENTERED:	J. EVANS D. FOSTER	12/2020				
DESIGNED: CHECKED: SUPERVISOR:	R. KOESTER S. SOISETH S. SOISETH	12/2020	REVISION	BY	DATE	DAVID EVANS AND ASSOCIATES INC

**DRVEWAY PLAN** 

(STA. 6+01.00)

' 21"W 1180.12

DWY STA. 1+35.0 (7.8' RT) END DRIVEWAY, MATCH EXISTING

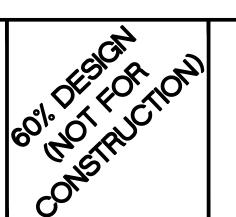


\_TOKUL STA. 6+01.00 = \_DWY STA. 1+00.00

DWY STA. 1+35.0 (6.0' LT)
END DRIVEWAY, MATCH EXISTING

	FED. AID No	N/A
A. KOE OF WASH	PROJECT No	
	SURVEY No	TBD
SS/ONAL ENG		DIVISION No
	MAINTLINAINCL	DIVISION NO





KING COUNTY DEPT. OF LOCAL SERVICES JOHN TAYLOR, DIRECTOR

# **UPPER TOKUL CREEK BRIDGE #271B BRIDGE REPLACEMENT PROJECT**

DRIVEWAY PLAN AND PROFILE

**King County** 

**33** SHEETS

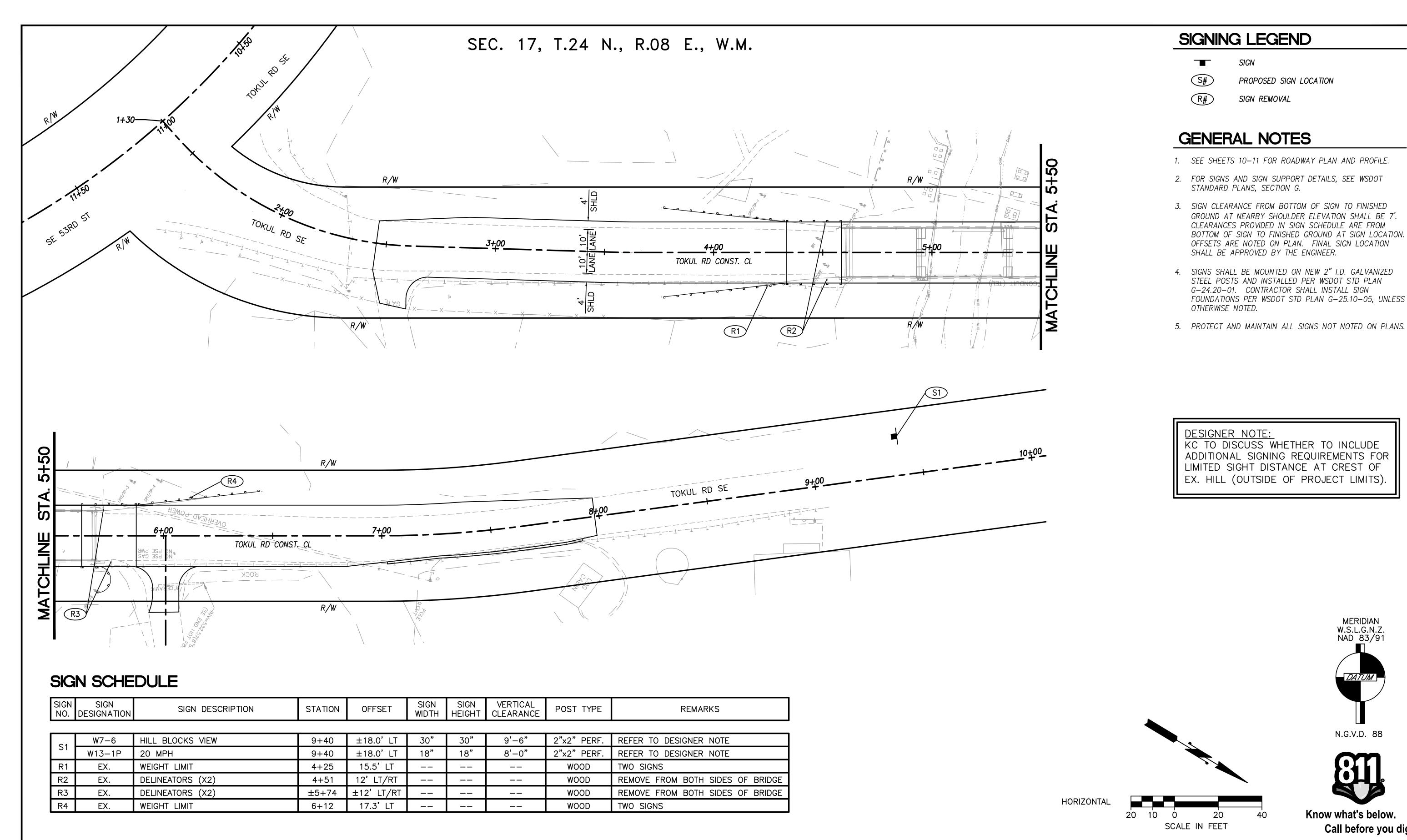
320-90 (DW01)

Know what's below.

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SHEET

12



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REVISION

12/2020

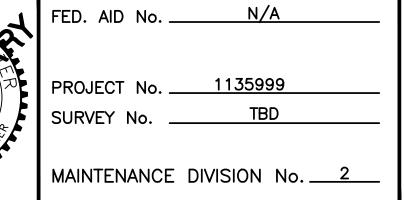
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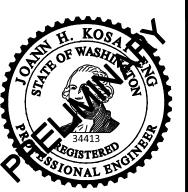
SUPERVISOR:

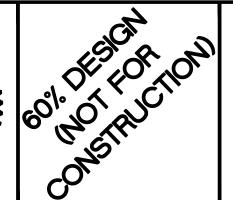


BY

DATE







KING COUNTY DEPT. OF LOCAL SERVICES

#### **UPPER TOKUL CREEK BRIDGE #271B BRIDGE REPLACEMENT PROJECT**

SIGINING PLAN





SIGN

SIGN REMOVAL

PROPOSED SIGN LOCATION

**King County** 

Call before you dig.

SHEET

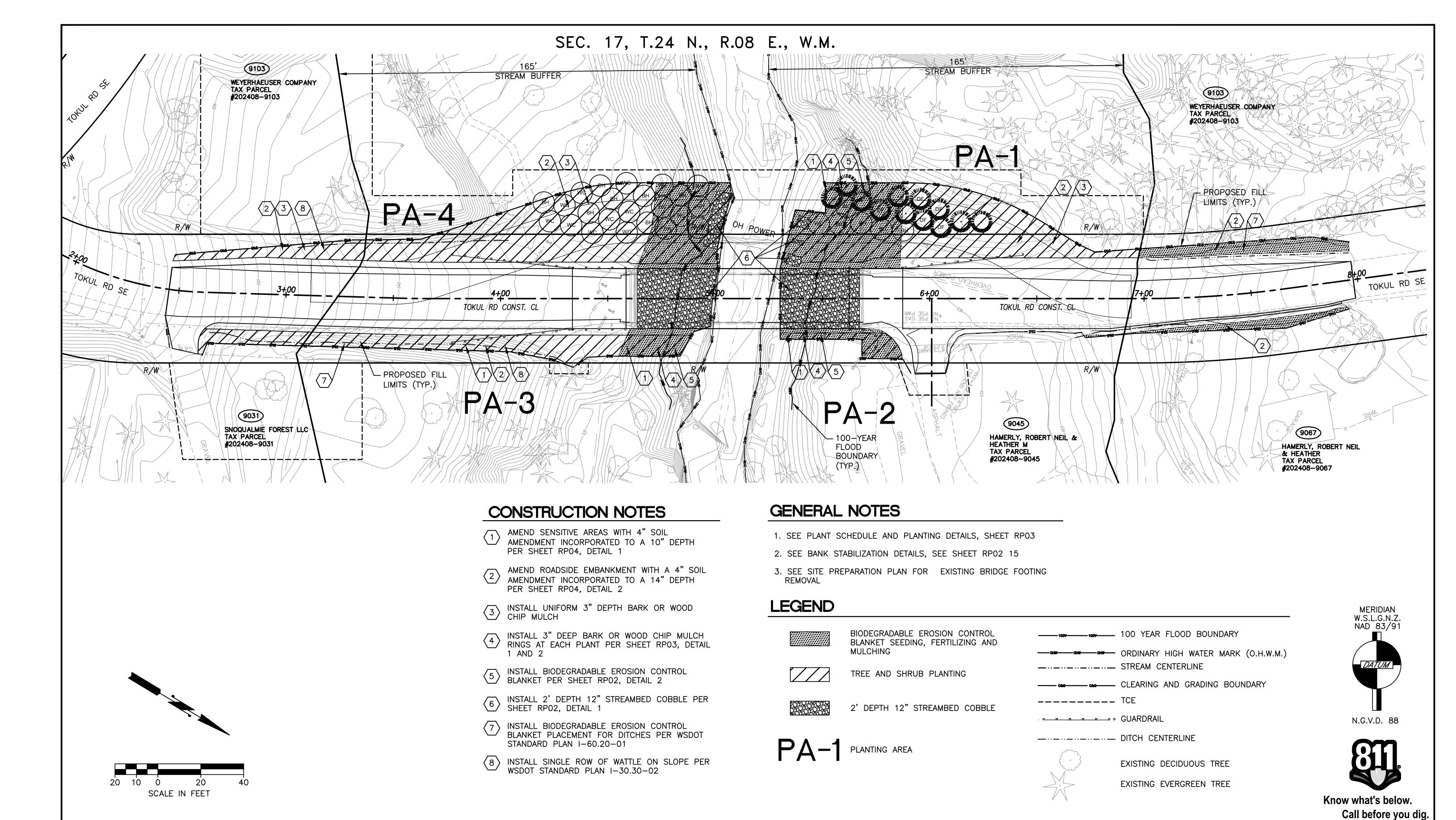
13

MERIDIAN W.S.L.G.N.Z. NAD 83/91

N.G.V.D. 88

Know what's below.

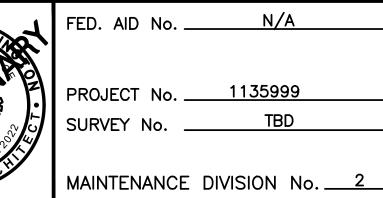
320-90 (CH01)

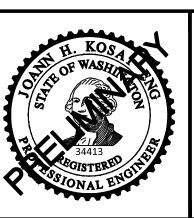


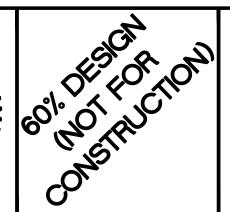
SURVEY JOB NO: _	19030	05/2019					
CHECKED:	J. EVANS	08/2019					-
CAD ENTERED:	G. KING	03/2020					-  j
DESIGNED:	J. GAGE	03/2020					
CHECKED:	S. SOISETH	03/2020					] _
SUPERVISOR:	S. SOISETH	03/2020					AND AS
			NUM.	REVISION	BY	DATE	1











KING COUNTY DEPT. OF LOCAL SERVICES JOHN TAYLOR, DIRECTOR

# **UPPER TOKUL CREEK BRIDGE #271B BRIDGE REPLACEMENT PROJECT**

RESTORATION PLANS

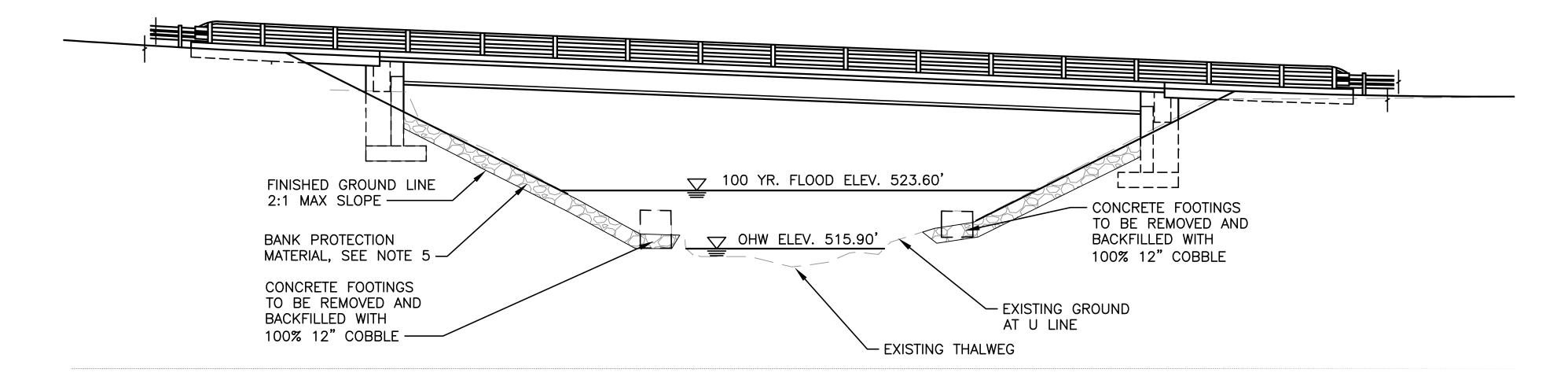


SHEET 14 33 **King County** SHEETS

320-90 (RP01)

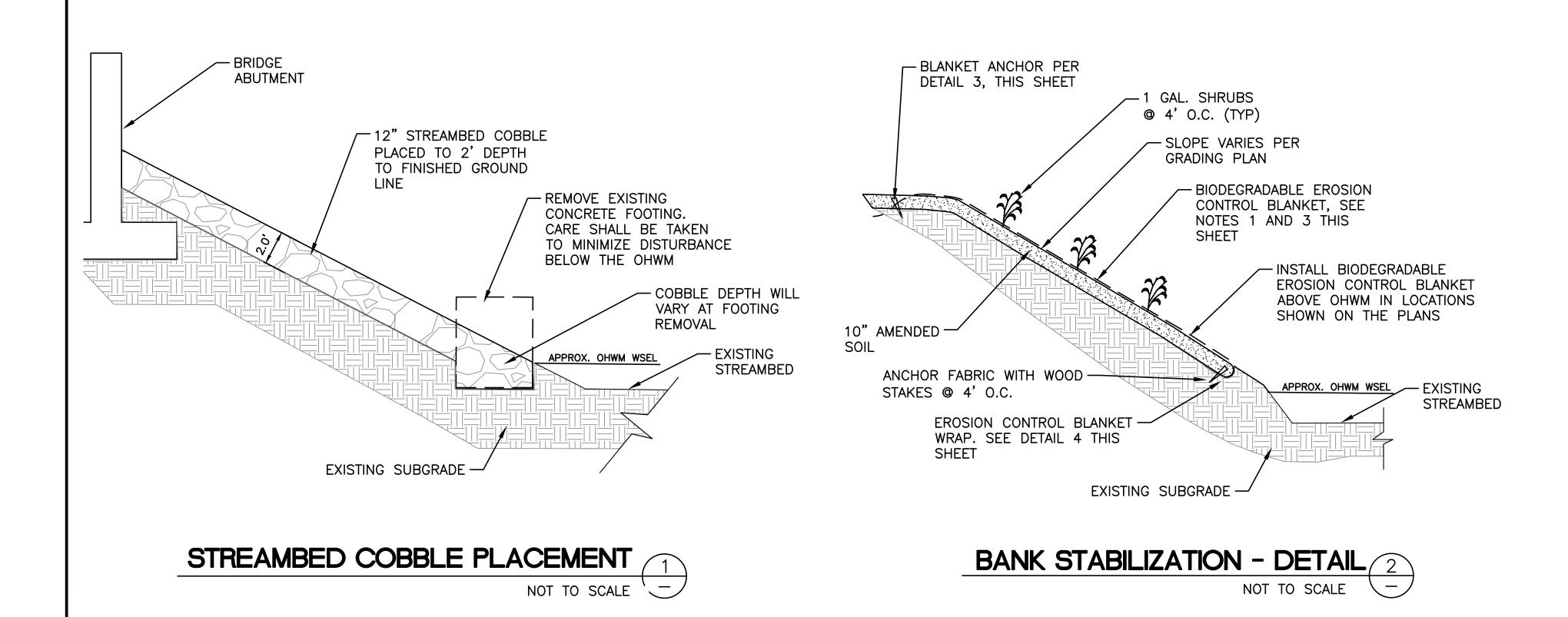
#### RESTORATION NOTES

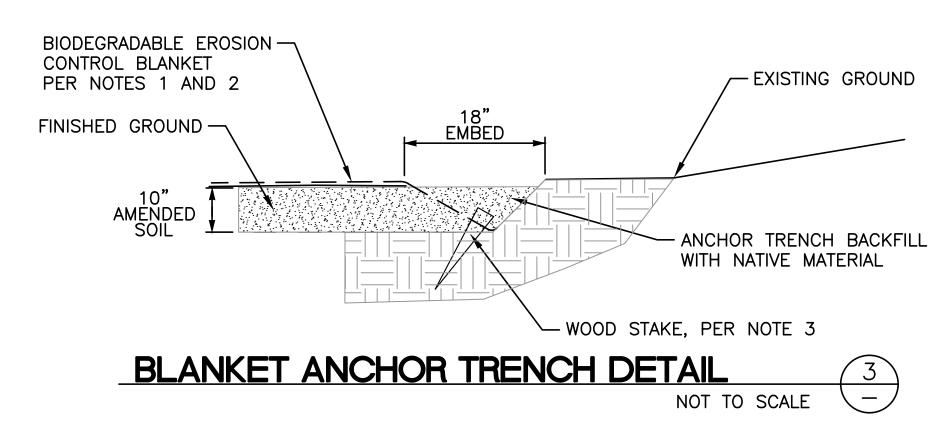
- 1. INSTALL BIODEGRADABLE EROSION CONTROL BLANKET PER WSDOT STANDARD PLAN I-60.20-01.
- 2. BIODEGRADABLE EROSION CONTROL BLANKET PER 2020 WSDOT STANDARD SPECIFICATIONS 9-14.6(2) A FOR SLOPES STEEPER THAN 3:1(H:V).
- 3. ANCHOR BLANKET WITH WOOD STAKES AT 4' O.C. (BOTH WAYS). OVERLAP BLANKET 18" MINIMUM IN WATER FLOW DIRECTION. WOOD STAKES SHALL BE 2"X4"X18"(RIPPED DIAGONALLY).
- 4. FASTEN BLANKET AT TOP AND BOTTOM OF SLOPE WITH ANCHOR TRENCH PER DETAIL 2 (THIS SHEET).
- 5. BANK PROTECTION MATERIAL SHALL CONSIST OF 100% 12" COBBLE PER 2020 WSDOT STANDARD SPECIFICATIONS SECTION 9-03.11(2).
- 6. SOIL AMENDMENT SHALL CONSIST OF FINE COMPOST PER 2020 WSDOT STANDARD SPECIFICATIONS SECTION 9-14. 5(8).

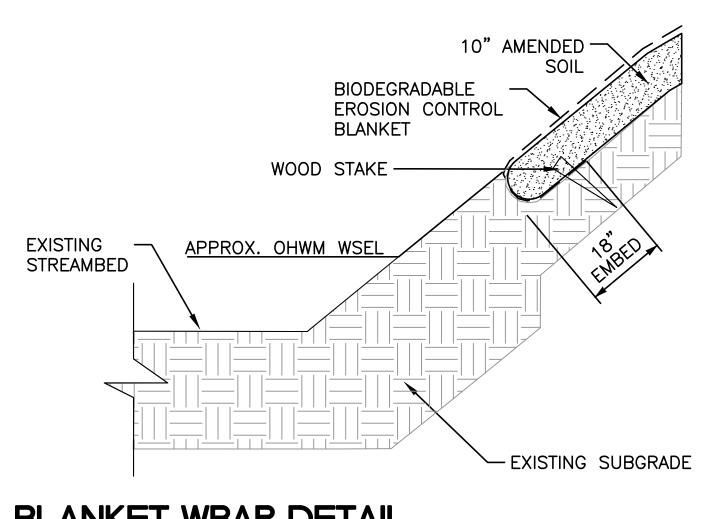


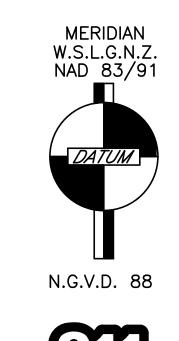
#### UNDER BRIDGE BANK STABILIZATION - TYPICAL SECTION

NOT TO SCALE









**BLANKET WRAP DETAIL** 

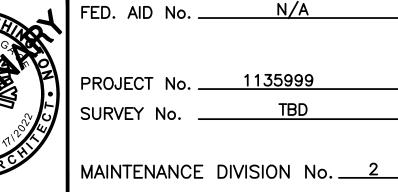
NOT TO SCALE

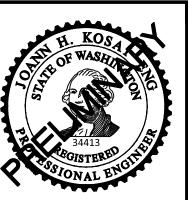
Know what's below. Call before you dig.

19030	05/2019				
J. EVANS	08/2019				
G. KING	12/2020				
J. GAGE	12/2020				
S. SOISETH	12/2020				
S. SOISETH	12/2020				DAVID E
		NIIM REVISION	BY	DATE	ł
	J. EVANS G. KING J. GAGE S. SOISETH	19030 05/2019  J. EVANS 08/2019  G. KING 12/2020  J. GAGE 12/2020  S. SOISETH 12/2020  S. SOISETH 12/2020	J. EVANS 08/2019  G. KING 12/2020  J. GAGE 12/2020  S. SOISETH 12/2020	J. EVANS 08/2019  G. KING 12/2020  J. GAGE 12/2020  S. SOISETH 12/2020  S. SOISETH 12/2020	J. EVANS 08/2019  G. KING 12/2020  J. GAGE 12/2020  S. SOISETH 12/2020  S. SOISETH 12/2020









KING COUNTY DEPT. OF LOCAL SERVICES JOHN TAYLOR, DIRECTOR

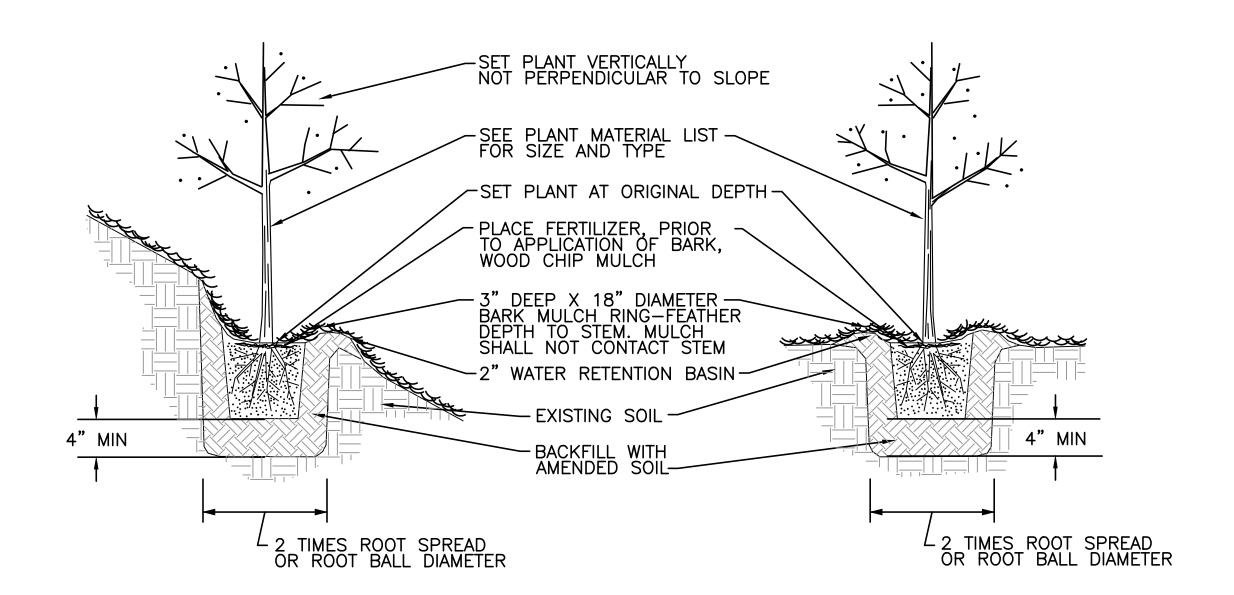
**UPPER TOKUL CREEK BRIDGE #271B BRIDGE REPLACEMENT PROJECT** 

**RESTORATION PLANS** 

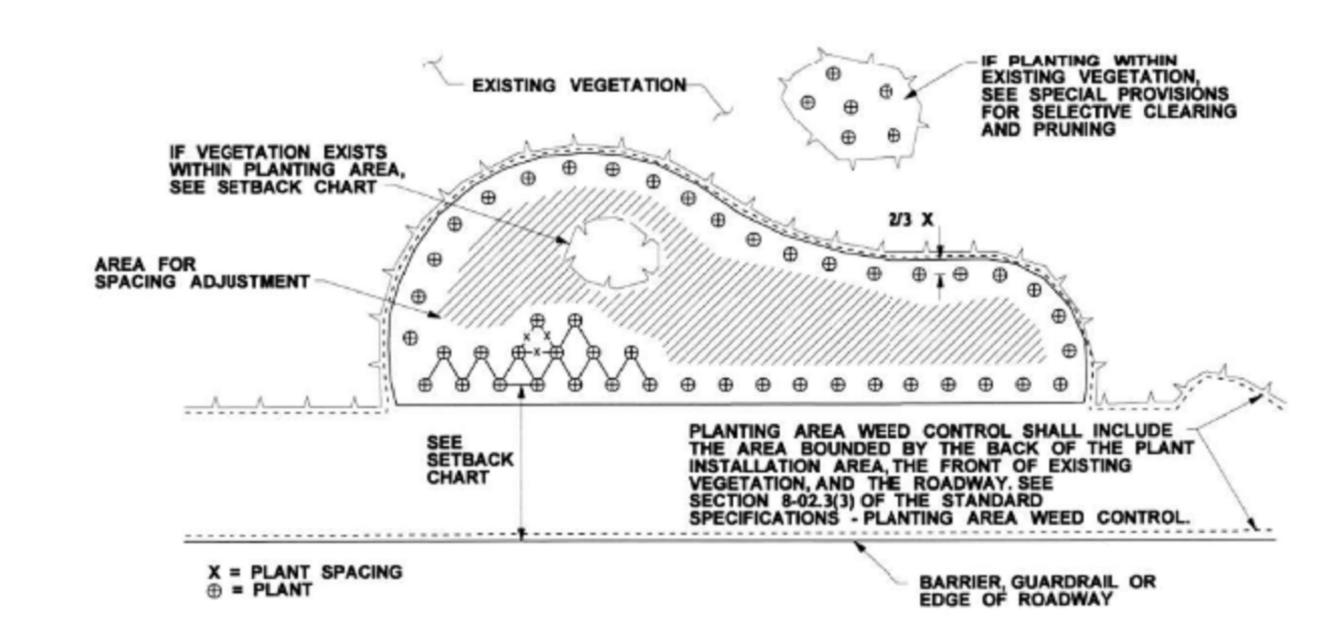
SHEET 15 33 **King County** SHEETS

320-90 (RP02)

#### SEC. 17, T.24 N., R.08 E., W.M.



BARK, WOOD CHIP, MULCH SHALL BE PLACED IN 9" RADIUS AROUND EACH PLANT WHEN PLANTED IN SEEDED OR GRASS AREAS.



TREE AND SHRUB PLANTING ON SLOPE (1) BARE ROOT AND CONTAINER

TREE AND SHRUB PLANTING BARE ROOT AND CONTAINER NOT TO SCALE

QUANTITIES



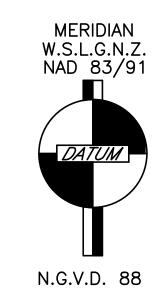
#### PLANT SCHEDULE

SIZE (HT) BOTANICAL NAME SPACING REMARKS COMMON NAME COND. PAN PANS TREES AS SHOWN WELL BRANCHED WESTERN CRABAPPLE 6' HT, MIN. MALUS FUSCA 2 GAL. AS SHOWN WELL BRANCHED, SINGLE LEADER CRATAEGUS DOUGLASII BLACK HAWTHORN 6' HT, MIN. 2 GAL. THUJA PLICATA WESTERN RED CEDAR 2 GAL. AS SHOWN WELL BRANCHED, SINGLE LEADER AS SHOWN WELL BRANCHED, SINGLE LEADER PSEUDOTSUGA MENZIESII DOUGLAS FIR 48" HT, MIN. **SHRUBS** WELL BRANCHED ACER CIRCINATUM VINE MAPLE 28 52 4' O.C. OCEAN SPRAY 1 GAL. 28 34 WELL BRANCHED HOLODISCUS DISCOLOR 4' O.C. 28 RUBUS SPECTABILIS **SALMONBERRY** 51 4' O.C. WELL BRANCHED I GAL. 4' O.C. WELL BRANCHED ROSA NUTKANA 36 NOOTKA ROSE 42 12 39 129 1 GAL. SYMPHORICARPOS ALBUS SNOWBERRY 1 GAL. 42 36 130 4' O.C. WELL BRANCHED 12 40 RIBES SANGUINEUM RED FLOWERING CURRANT 1 GAL. 28 23 30 WELL BRANCHED 4' O.C. LONICERA INVOLUCRATA **BLACK TWINBERRY** 18" HT, MIN. 28 34 70 1 GAL. 4' O.C. WELL BRANCHED 4' O.C. WELL BRANCHED SALIX SITCHENSIS SITKA WILLOW 28 36" HT, MIN. 0 8 34 70 GROUNDCOVERS POLYSTICHUM MUNITUM SWORD FERN 12" HT, MIN. WELL BRANCHED, PLANT IN CLUSTERS OF 3-5 56 68 140 2' O.C. 0 INTERPLANT AMONG SHRUBS UPLAND HYDROSEED MIX

> INSTALL 73 WILLOW ON SOUTH BANK, 24 WILLOW ON NORTH BANK, BELOW 100 YEAR FLOOD PLAN BOUNDARY

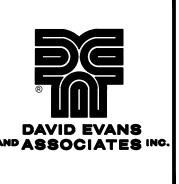
#### PLANTING NOTES

- 1. PLANT SHRUBS IN SINGLE SPECIES GROUPINGS CLUSTERS OF 3-7. SEE PLANT SETBACK CHART (SHEET RO4, DETAIL 3) FOR TREE AND SHRUB
- SAVE AND PROTECT EXISTING DESIRABLE VEGETATION PER SECTION
- 3. 1-07.16(2) IN THE STANDARD SPECIFICATIONS. ALL PLANTING AREAS SHALL BE SEEDED DURING THE APPLICATION DATES
- 4. SPECIFIED IN SECTION 8-01.3(2)F OF THE STANDARD SPECIFICATIONS. ANY SEEDED AREAS THAT DON'T ADEQUATELY GERMINATE SHALL RECEIVE AN APPROVED TESC BMP UNTIL RESEEDING CAN OCCUR DURING THE NEXT APPLICATION DATE SPECIFIED.
- PLACE 3" BARK OR WOOD CHIP MULCH RINGS IN ALL BUFFER PLANTING 5. AREAS.
- CONTRACTOR SHALL REMOVE ALL STABILIZED CONSTRUCTION ENTRANCE
- 6. TEMPORARY ACCESS ROADS AND DE-COMPACT SOILS TO AN 18" DEPTH IN PLANTING AREAS. RESTORE OTHER TEMPORARILY DISTURBED AREAS AS DIRECTED BY PROJECT ENGINEER UPON COMPLETION OF WORK. CONTRACTOR SHALL RESTORE ANY ADDITIONAL IMPACTS MADE TO STREAM
- 7. BUFFER AREAS NOT SHOWN ON THESE PLANS. ALL TREES SHALL BE STAKED WITH 2"X2" WOOD STAKES DRIVEN TO
- 8. REFUSAL, PLACED DIAGONALLY, AND FASTENED WITH POLY TREE TIE.



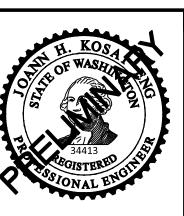
Know what's below. Call before you dig.

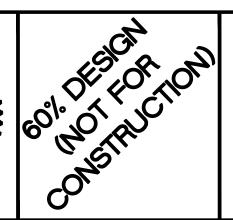
SURVEY JOB NO:	19030	05/2019					
CHECKED:	J. EVANS	08/2019					1
CAD ENTERED:	G. KING	12/2020					1
DESIGNED:	J. GAGE	12/2020					1
CHECKED:	S. SOISETH	12/2020					1
SUPERVISOR:	S. SOISETH	12/2020					AND
			NUM	REVISION	RY	DATE	-





なる	FED. AID No. N/A
SCT - NO	PROJECT No. 1135999 SURVEY No. TBD
REHIT	MAINTENANCE DIVISION No. 2





KING COUNTY DEPT. OF LOCAL SERVICES JOHN TAYLOR, DIRECTOR

#### **UPPER TOKUL CREEK BRIDGE #271B BRIDGE REPLACEMENT PROJECT**

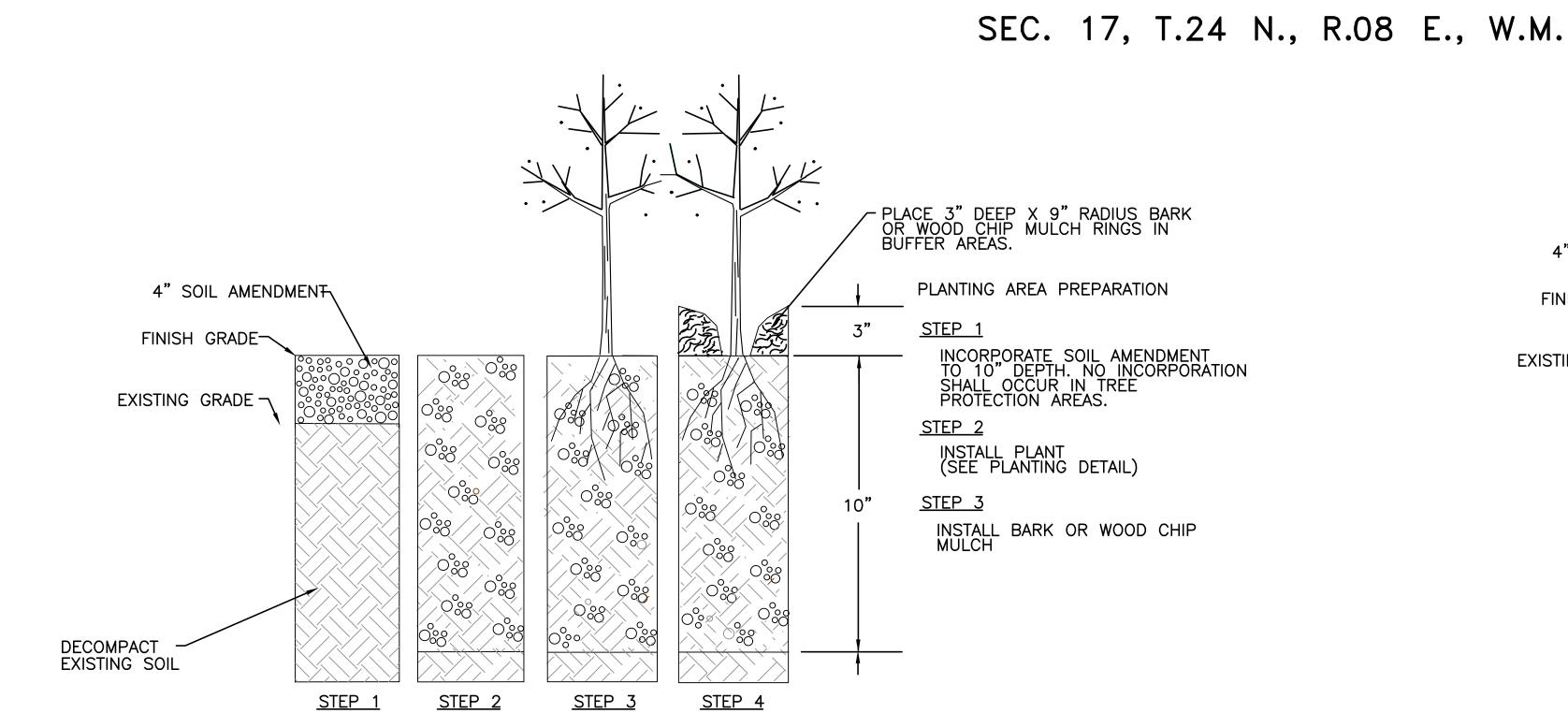
RESTORATION PLANS

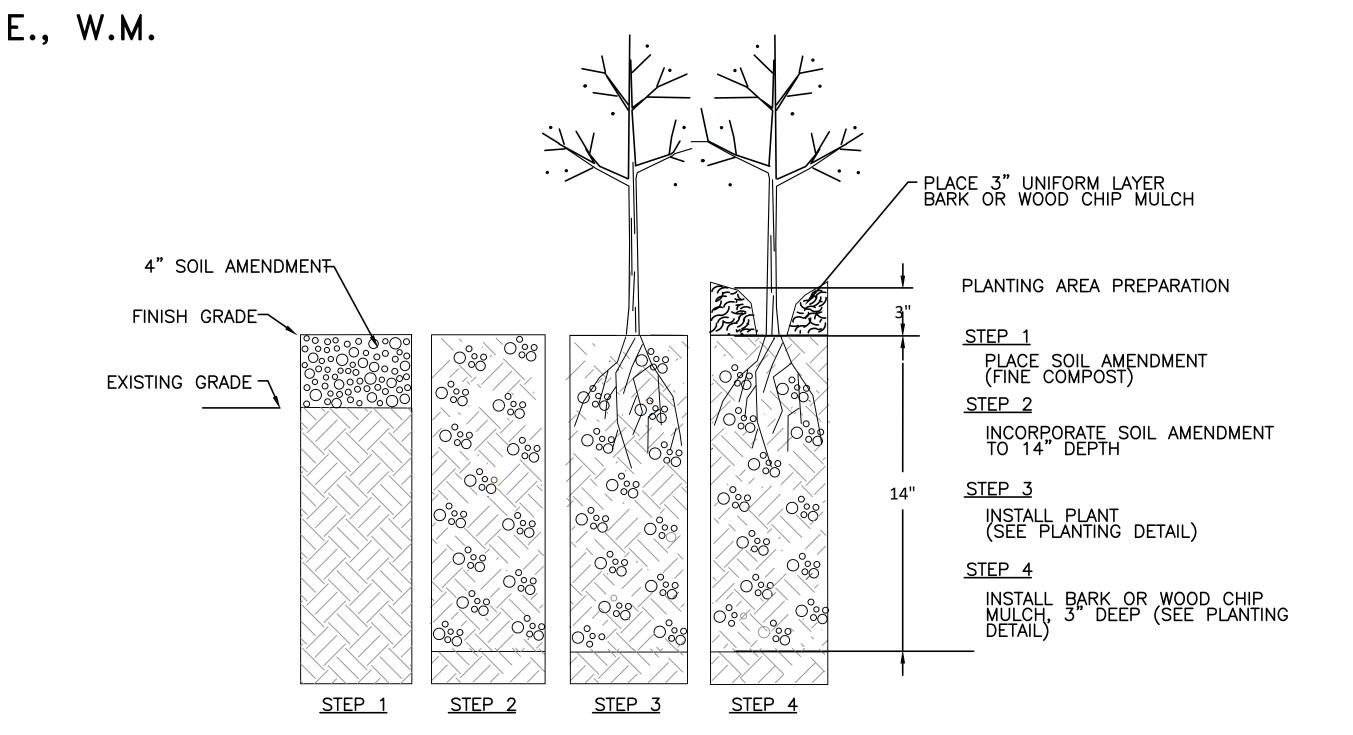


16 33 **SHEETS** 

SHEET

320-90 (RP03)





ROADSIDE EMBANKMENT SOIL PREPARATION SEQUENCE OF WORK 2
NOT TO SCALE —

SENSITIVE AREA SOIL PREPARATION SEQUENCE OF WORK (1)

THIS CHART SUPPLEMENTS SECTION 8.02.3(7) OF THE STANDARD SPECIFICATIONS. SETBACKS APPLY UNLESS OTHERWISE ADJUSTED BY ENGINEER DURING PLANT STAKING OR LAYOUT. DISTANCES BELOW ARE TO THE STEM OR TRUNK OF THE PLANT BEING INSTALLED.

	GROUND- COVER *	SMALL SHRUB **	TALL SHRUB ***	DECIDUOUS TREE	EVERGREEN TREE	SMALL TREE****
GUARDRAIL BARRIER	5'	5'	10'	15'	15'	15'
EDGE OF ROADWAY	5'	10'	15'	20'	20'	20'
WALLS	3'	5'	10'	15'	15'	15'
FENCE	1.5'	3'	3'	10'	10'	10'
SIGNS	1.5'	6	6'	15'	15'	15'
EXISTING TREE TRUNK	5'	<b>5</b> '	10'	15'	15'	15'
EXISTING VEGETATION MASS	5'	5'	10'	10'	10'	10'
OVERHEAD POWER	_	ı	10'	20'	20'	0'
DRAINAGE STRUCTURE	5'	5'	10'	10'	10'	10'
DRAINAGE ACCESS ROAD	5'	5'	15'	15'	15'	15'
BRIDGE	3'	5'	10'	15'	15'	15'

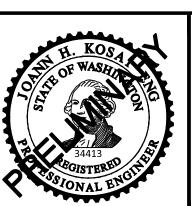
- \* GROUNDCOVERS GROW NO TALLER THAN 1.5 FEET AT MATURITY.
  \*\* SMALL SHRUBS GROW NO TALLER THAN 3 FEET AT MATURITY.
  \*\*\* TALL SHRUBS GROW TALLER THAN 3 FEET AT MATURITY.
  \*\*\* SMALL TREES GROW NOT TALLER THAN 30 FEET AT MATURITY.
  - PLANT MATERIAL SETBACK CHART

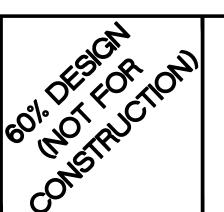






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	PROJECT No SURVEY No	113599 TBD
EXP 031 71 7		





KING COUNTY DEPT. OF LOCAL SERVICES JOHN TAYLOR, DIRECTOR

# **UPPER TOKUL CREEK BRIDGE #271B BRIDGE REPLACEMENT PROJECT**



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W.S.L.G.N.Z. NAD 83/91

N.G.V.D. 88

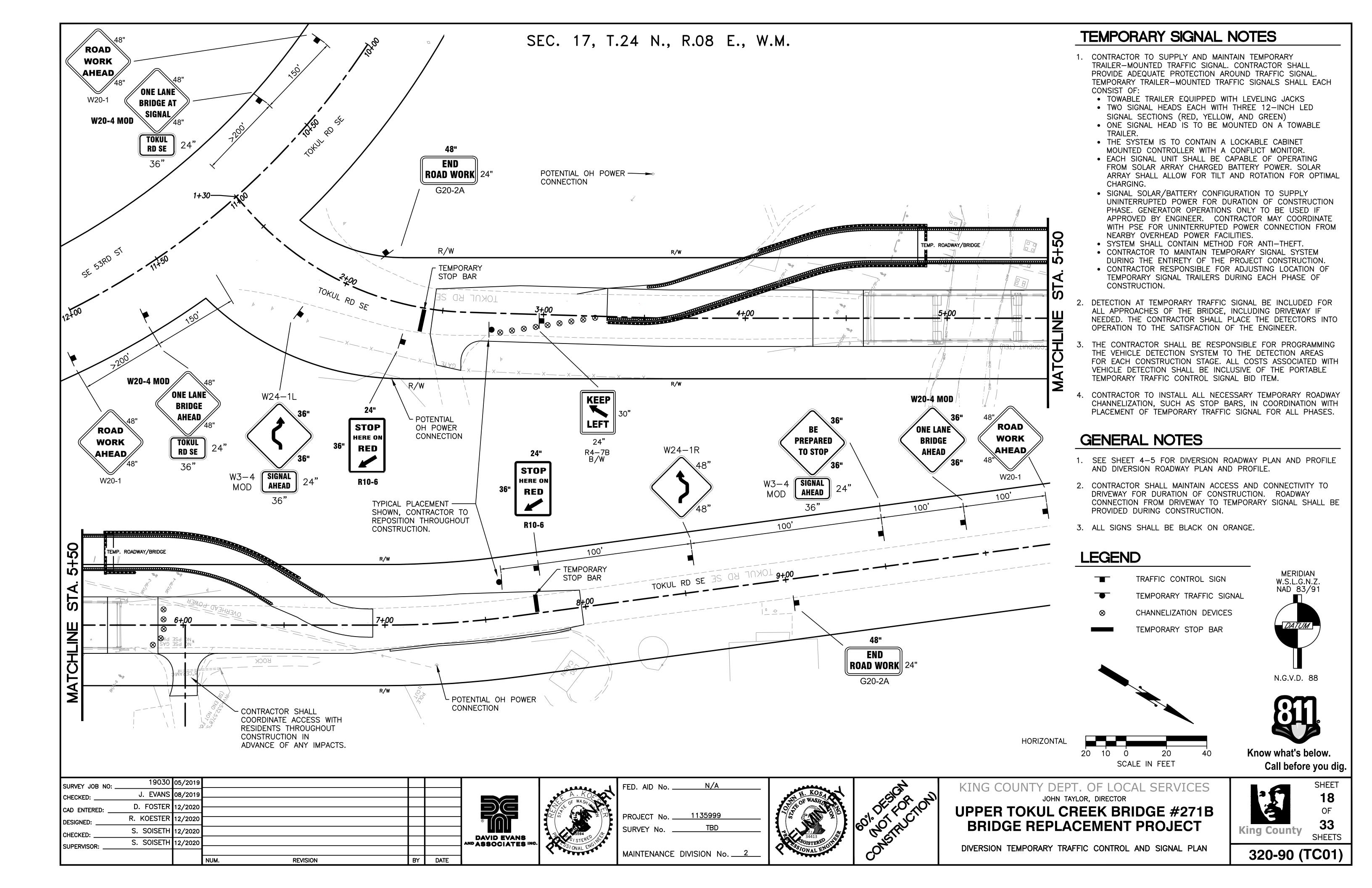
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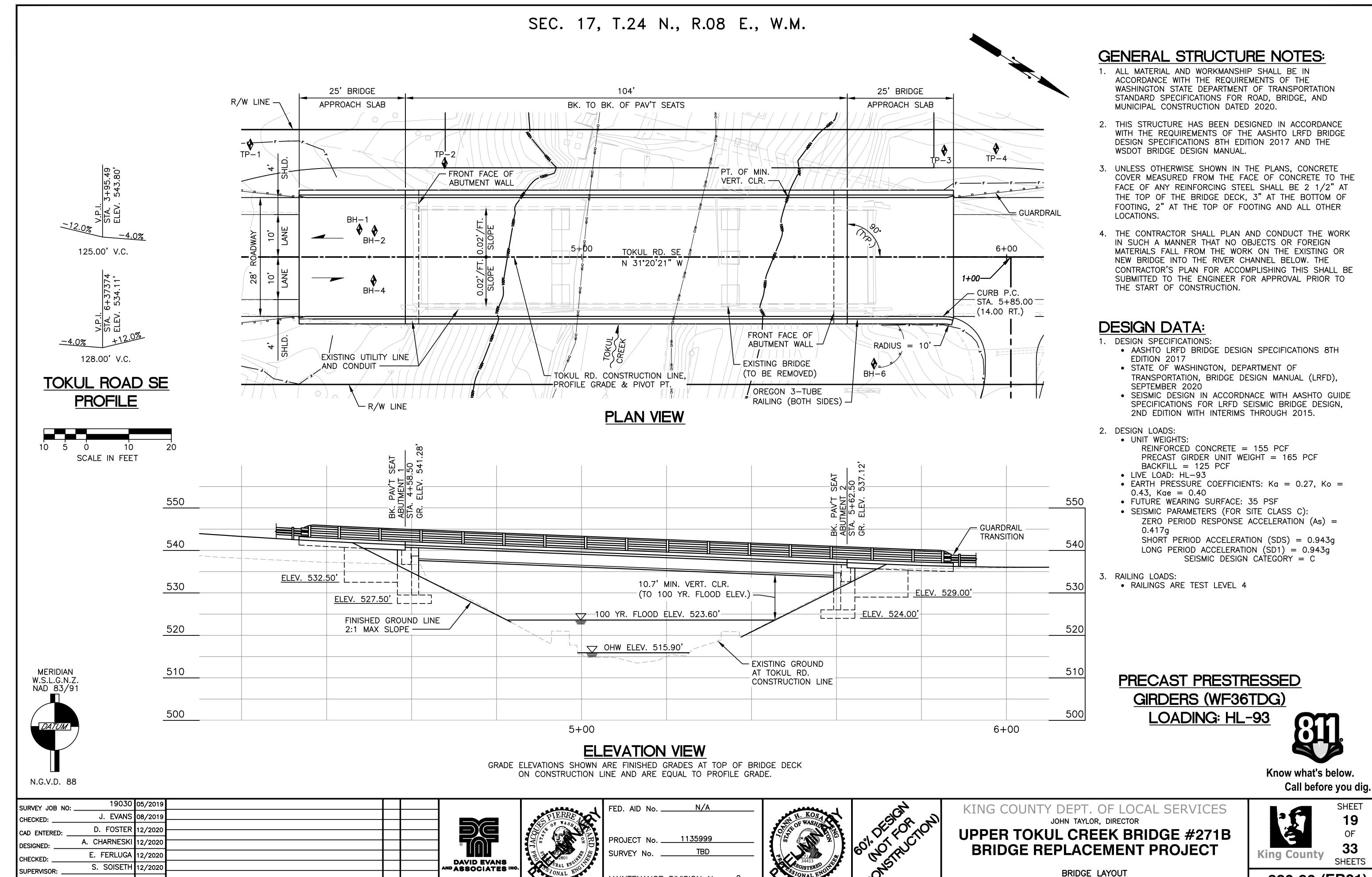
320-90 (RP04)

19030 05/2019 SURVEY JOB NO: . J. EVANS 08/2019 CHECKED: G. KING 12/2020 CAD ENTERED: J. GAGE 12/2020 **DESIGNED:** ® **UIII** David Evans <sup>And</sup> Associates " S. SOISETH 12/2020 CHECKED: S. SOISETH 12/2020 SUPERVISOR: BY NUM. **REVISION** DATE

MAINTENANCE DIVISION No. \_\_\_\_\_

RESTORATION PLANS





MAINTENANCE DIVISION No. 2

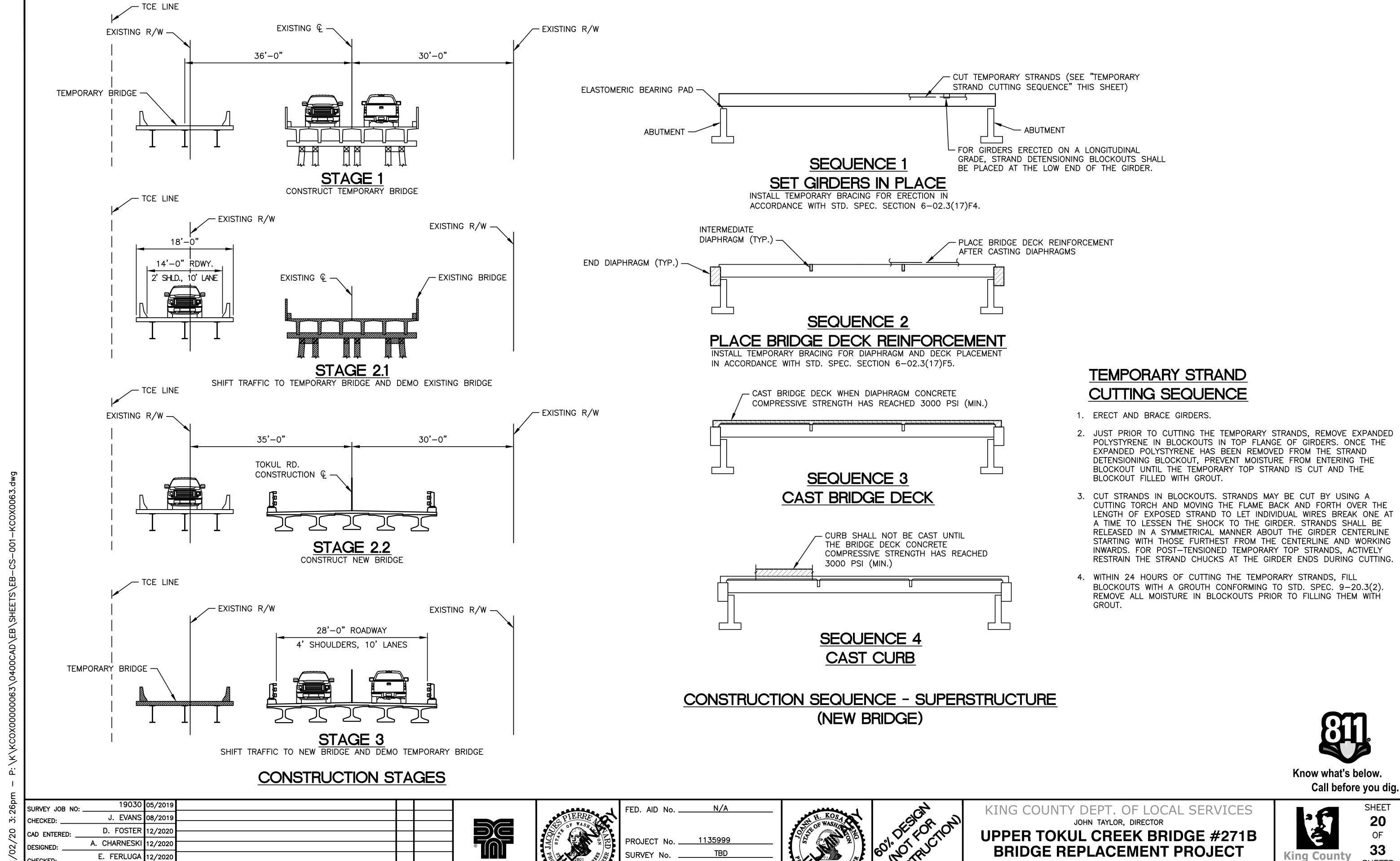
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DATE

320-90 (EB01)





BY

DATE

CHECKED:

SUPERVISOR:

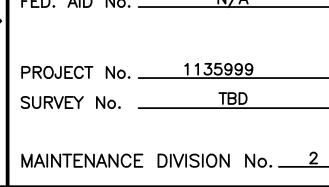
S. SOISETH

12/2020

NUM.

**REVISION** 









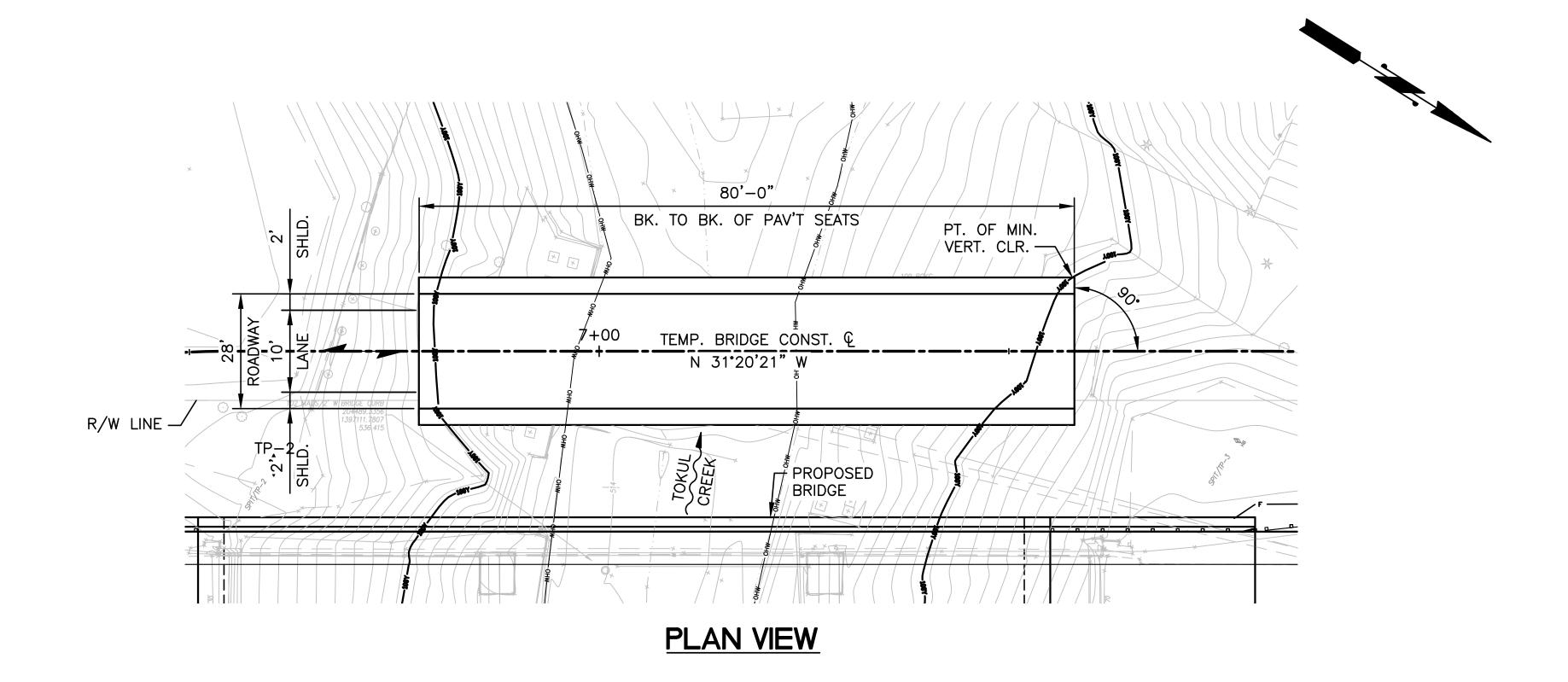
# **BRIDGE REPLACEMENT PROJECT**

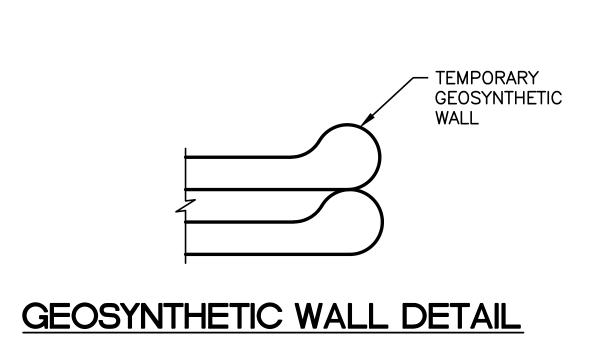
CONSTRUCTION SEQUENCE

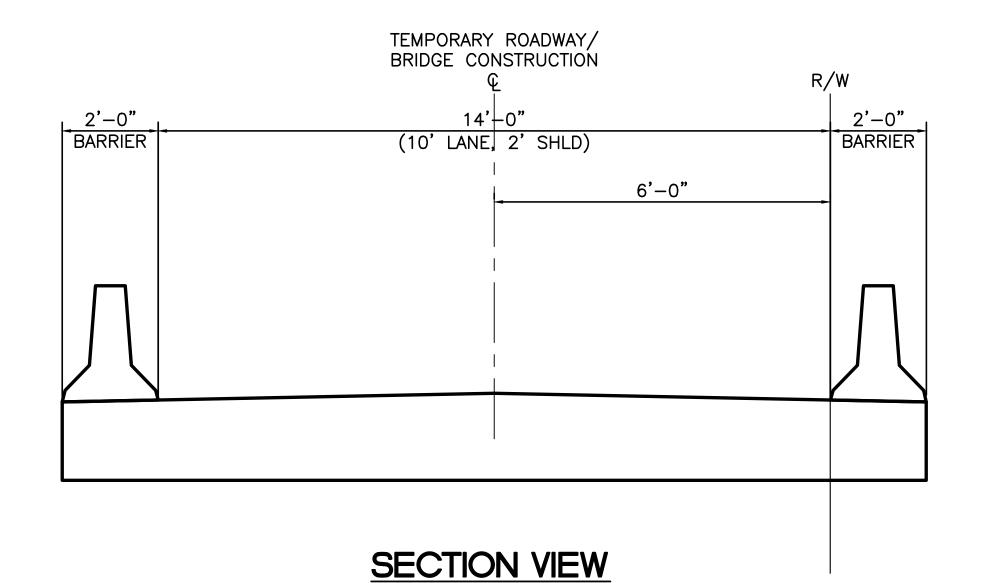
**King County** 

33 SHEETS

320-90 (EB02)







#### TEMPORARY BRIDGE NOTES

- 1. THE CONTRACTOR SHALL DESIGN, FURNISH, ERECT, MAINTAIN, AND REMOVE THE TEMPORARY BRIDGE AND APPROACH WALLS IN ACCORDANCE WITH THE SPECIAL PROVISION AND DETAILS SHOWN IN THE PLANS.
- 2. SEE SPECIAL PROVISIONS FOR TEMPORARY BRIDGE DESIGN REQUIREMENT.
- 3. WALLS FOR TEMPORARY APPROACH SHALL BE GEOSNYTHETIC WALLS IN ACCORDANCE WITH STANDARD PLAN D-3.09 OR APPROVED EQUAL.



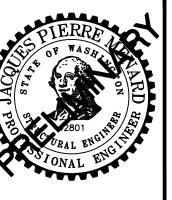
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MERIDIAN W.S.L.G.N.Z. NAD 83/91

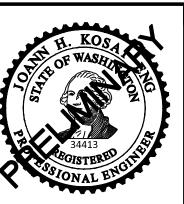
Know what's below. Call before you dig. SHEET

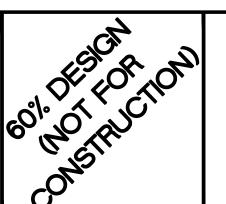
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SURVEY JOB NO: .	19030	05/2019					
CHECKED:	J. EVANS	08/2019					
CAD ENTERED:	D. FOSTER	12/2020					
DESIGNED:	A. CHARNESKI	12/2020			1		® 1001
CHECKED:	E. FERLUGA	12/2020					
SUPERVISOR:	S. SOISETH	12/2020			ļ		DAVID EVANS
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4	FED. AID No. N/A
NRD ag	PROJECT No. 1135999 SURVEY No. TBD
*	MAINTENANCE DIVISION No. 2





KING COUNTY DEPT. OF LOCAL SERVICES JOHN TAYLOR, DIRECTOR

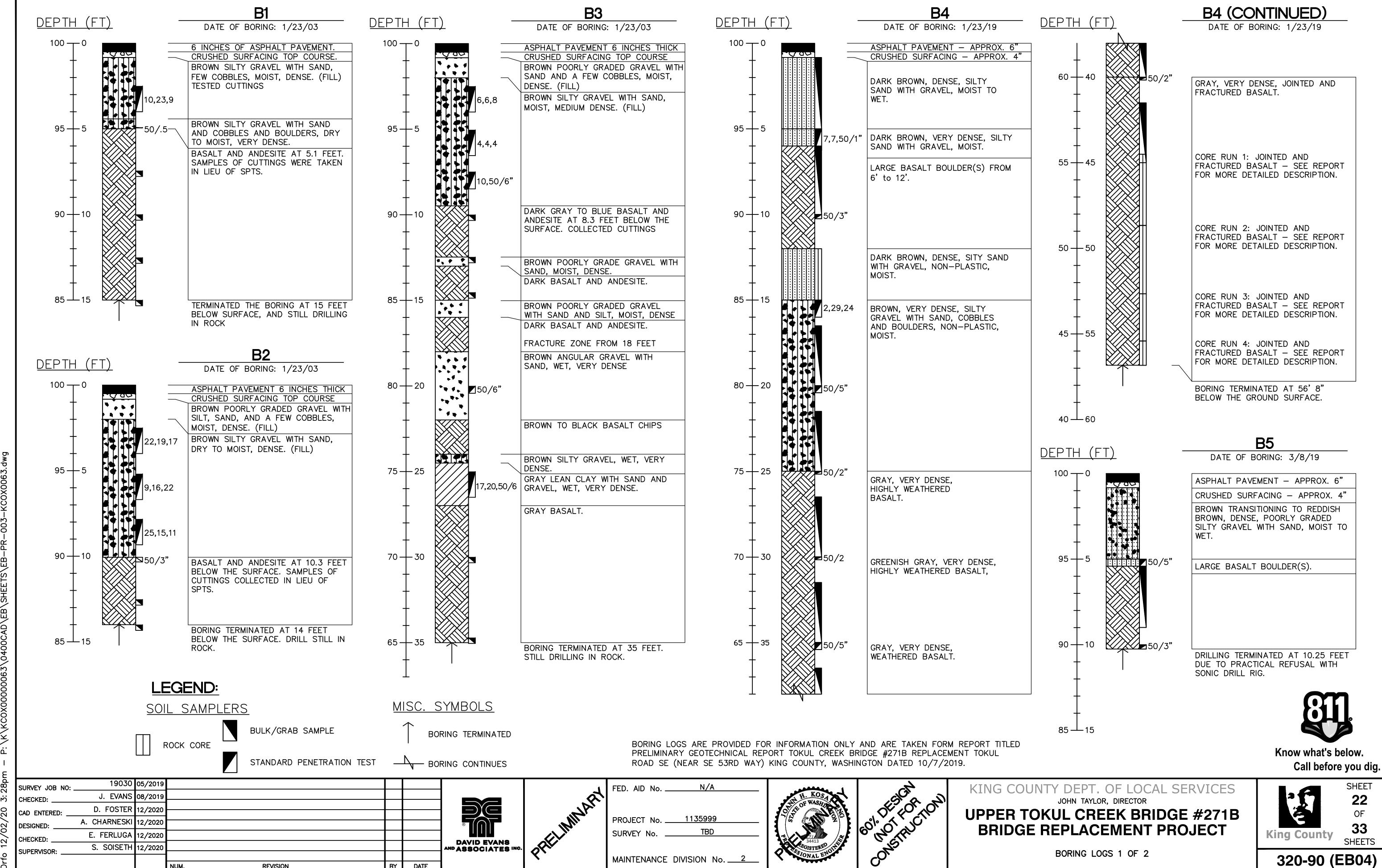
# **UPPER TOKUL CREEK BRIDGE #271B BRIDGE REPLACEMENT PROJECT**

TEMPORARY BRIDGE LAYOUT



21 33 **King County** 

320-90 (EB03)

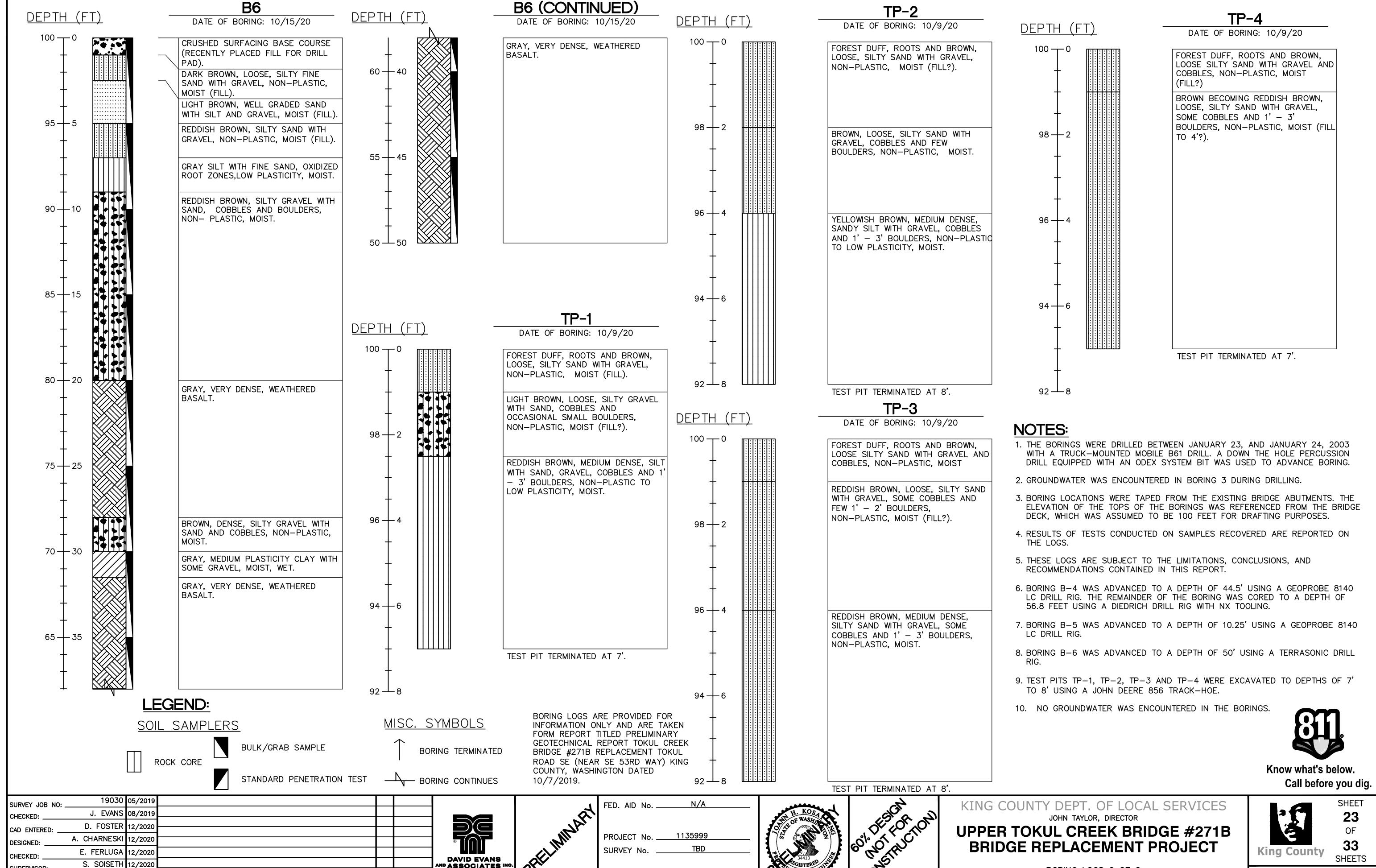


BY

DATE

NUM.

**REVISION** 



DAVID EVANS

BY

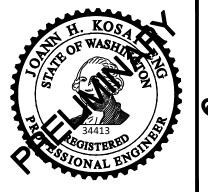
DATE

SUPERVISOR:

NUM.

REVISION

MAINTENANCE DIVISION No. 2



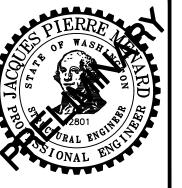
BORING LOGS 2 OF 2

320-90 (EB05)



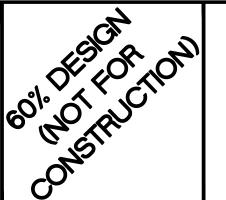
	SURVEY JOB NO: _ CHECKED:  CAD ENTERED:  DESIGNED:  CHECKED:	J. EVANS D. FOSTER A. CHARNESKI E. FERLUGA S. SOISETH	12/2020 12/2020 12/2020					DAVID EVA
:	SUPERVISOR:	3. 30I3EIII	12/2020	NUM.	REVISION	BY	DATE	AND ASSOCIAT





seen 1	FED. AID No	N/A
ERRE ON UN AND AND AND AND AND AND AND AND AND AN	PROJECT No	1135999 TBD
V2801 CONAL ENGINE		DIVISION No. 2





KING COUNTY DEPT. OF LOCAL SERVICES
JOHN TAYLOR, DIRECTOR

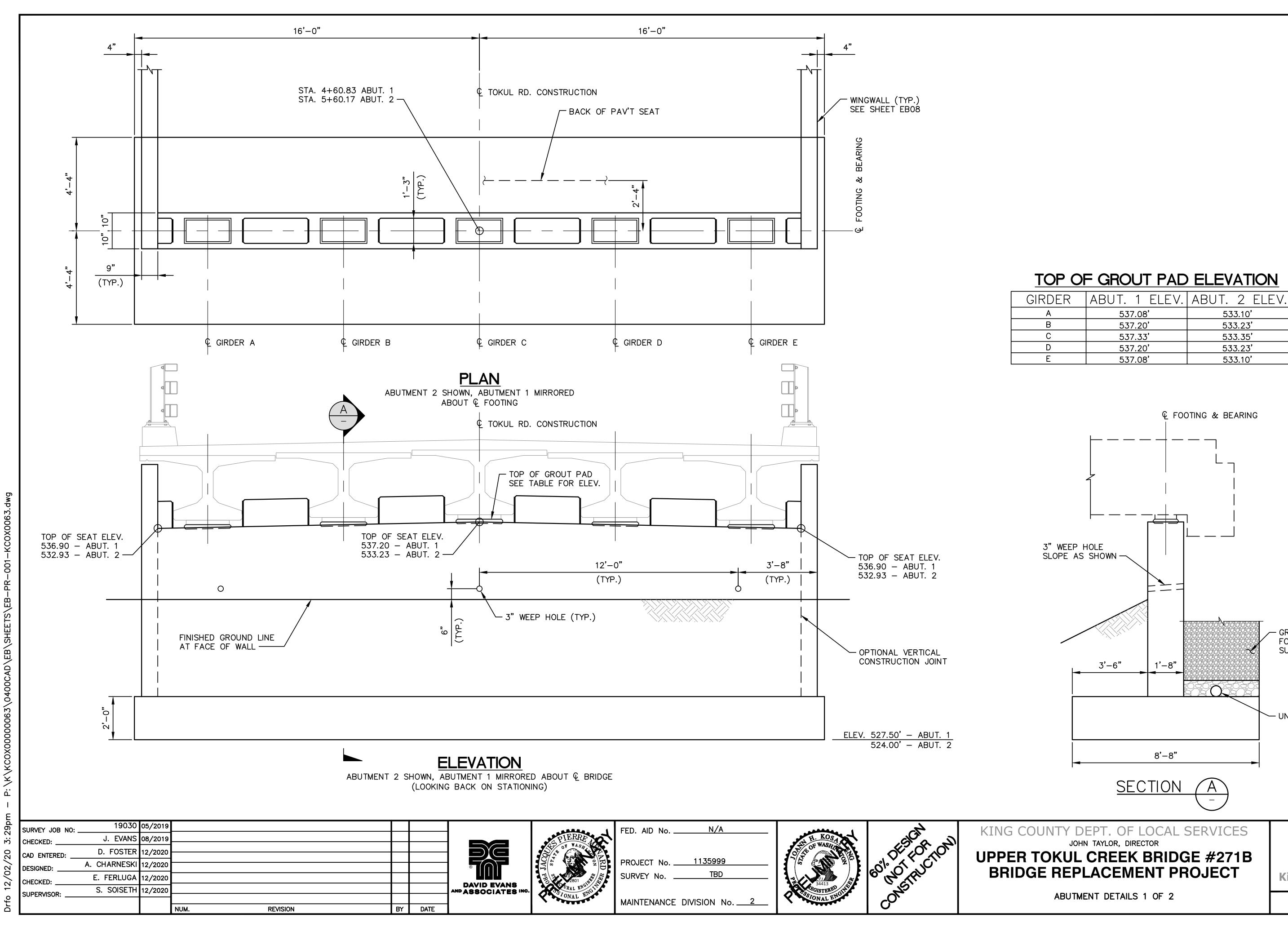
# **UPPER TOKUL CREEK BRIDGE #271B** BRIDGE REPLACEMENT PROJECT

FOUNDATION LAYOUT



King County

320-90 (EB06)



- GRAVEL BACKFILL FOR WALL TO SUBGRADE

UNDERDRAIN PIPE

Know what's below.

320-90 (EB07)

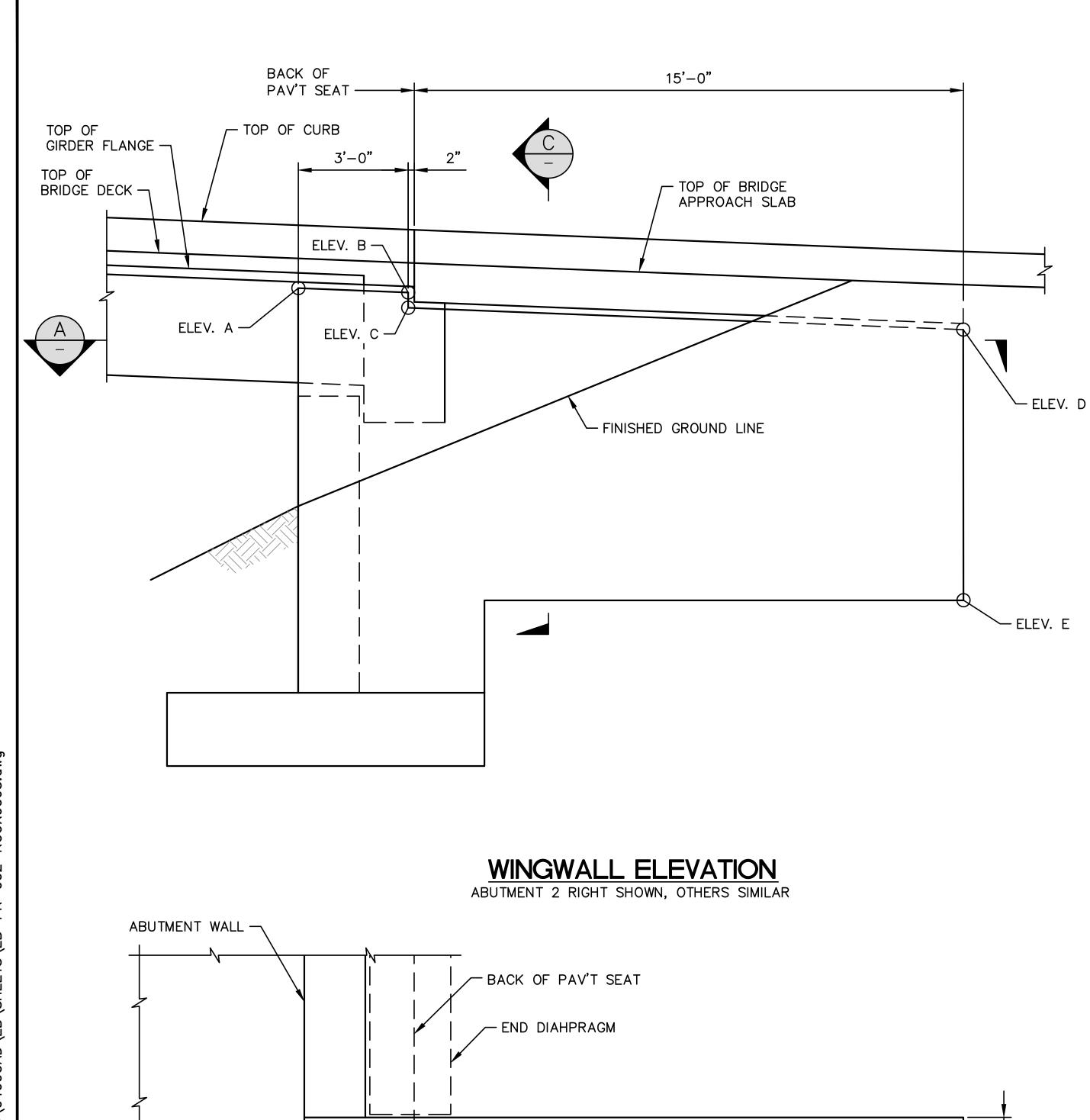
**King County** 

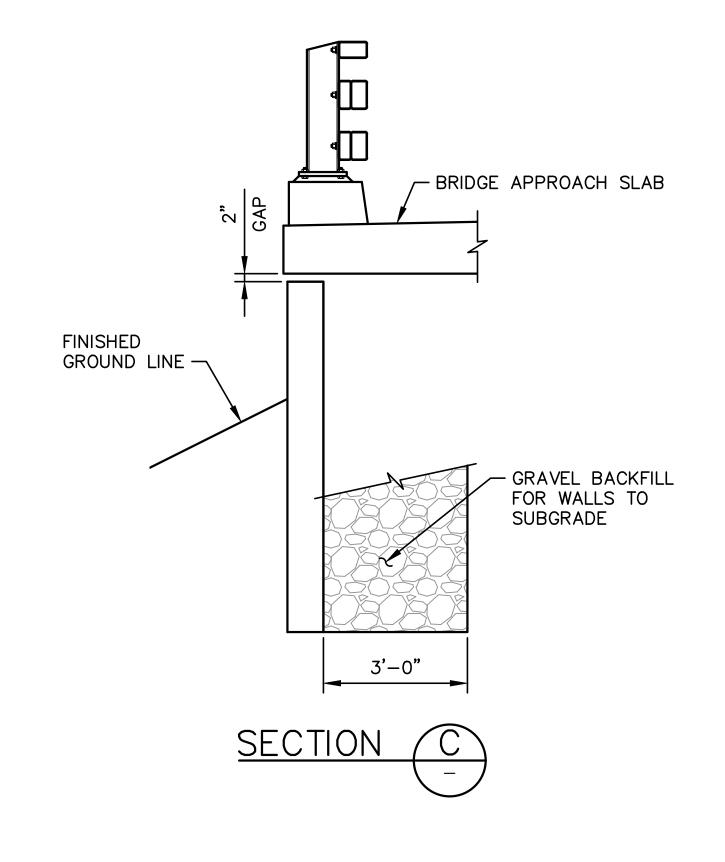
Call before you dig.

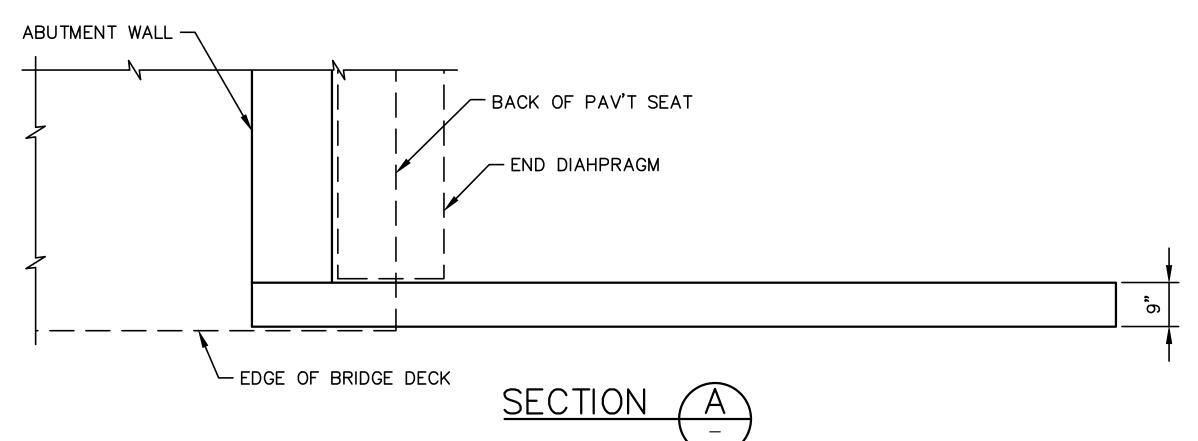
SHEET

**25** 

33







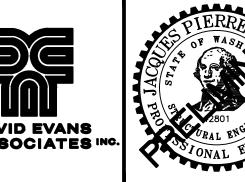
#### WING WALL ELEVATIONS

LOCATION	ELEV. A	ELEV. B	ELEV. C	ELEV. D	ELEV. E
ABUT. 1 LEFT	XXX.XX	XXX.XX	XXX.XX	XXX.XX	XXX.XX
ABUT. 1 RIGHT	XXX.XX	XXX.XX	XXX.XX	XXX.XX	XXX.XX
ABUT. 2 LEFT	XXX.XX	XXX.XX	XXX.XX	XXX.XX	XXX.XX
ABUT. 1 RIGHT	XXX.XX	XXX.XX	XXX.XX	XXX.XX	XXX.XX

WINGWALL ELEVATIONS MEASURED AT FAR FACE OF WALL

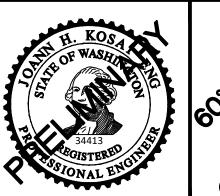


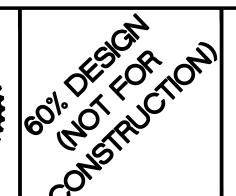
. [		19030	05/2019					
	SURVEY JOB NO	) <b>:</b>					1	
	CHECKED:	J. EVANS	08/2019					
	CAD ENTERED: _	D. FOSTER	12/2020					
	DESIGNED:	A. CHARNESKI	12/2020					® 101
	CHECKED:	E. FERLUGA	12/2020					
	SUPERVISOR:	S. SOISETH	12/2020					DAVID EVA
				NUM.	REVISION	BY	DATE	



PIERRE WASHING	
JACO NEW TANK	
CORAL ENGINE	
TONAL ENG	

FED. AID No. N/A
PROJECT No. 1135999 SURVEY No. TBD
MAINTENANCE DIVISION No2





KING COUNTY DEPT. OF LOCAL SERVICES JOHN TAYLOR, DIRECTOR

# **UPPER TOKUL CREEK BRIDGE #271B** BRIDGE REPLACEMENT PROJECT

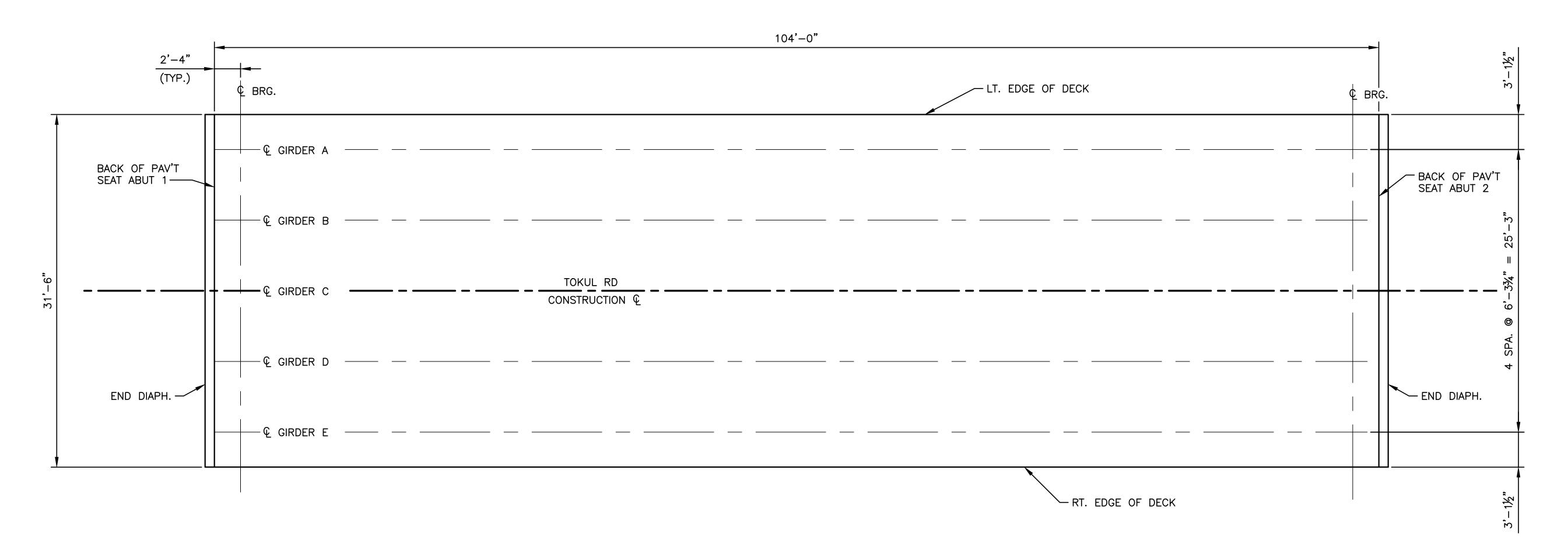
ABUTMENT DETAILS 2 OF 2

2	5
King	County

**26** 33 SHEETS

SHEET

320-90 (EB08)

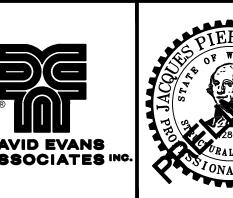


# FRAMING PLAN

BEARINGS OF PIERS ARE NORMAL TO TOKUL RD. CONSTRUCTION &

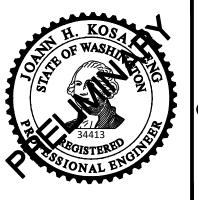
Know what's below.
Call before you dig.

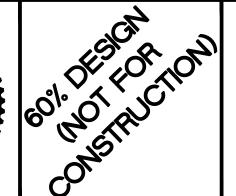
-	SURVEY JOB NO: _	19030	05/2019					
	CHECKED:	J. EVANS	08/2019					
	CAD ENTERED:	D. FOSTER	12/2020					
`	DESIGNED:	A. CHARNESKI	12/2020					
	CHECKED:	E. FERLUGA	12/2020					<b>UUU</b> David evans
	SUPERVISOR:	S. SOISETH	12/2020					AND ASSOCIATES "
				NUM.	REVISION	BY	DATE	



<b>₹</b> \\$\\$	PIERRE OF WASH	
S S ST	C. URAL ENGIN	RD Hall
•	- 4444	

معد ١	FED. AID No	N/A	
EN ON HA	PROJECT No SURVEY No	1135999 TBD	
ENGITÉ ENGITÉ	MAINTENANCE	DIVISION No. 2	





KING COUNTY DEPT. OF LOCAL SERVICES
JOHN TAYLOR, DIRECTOR

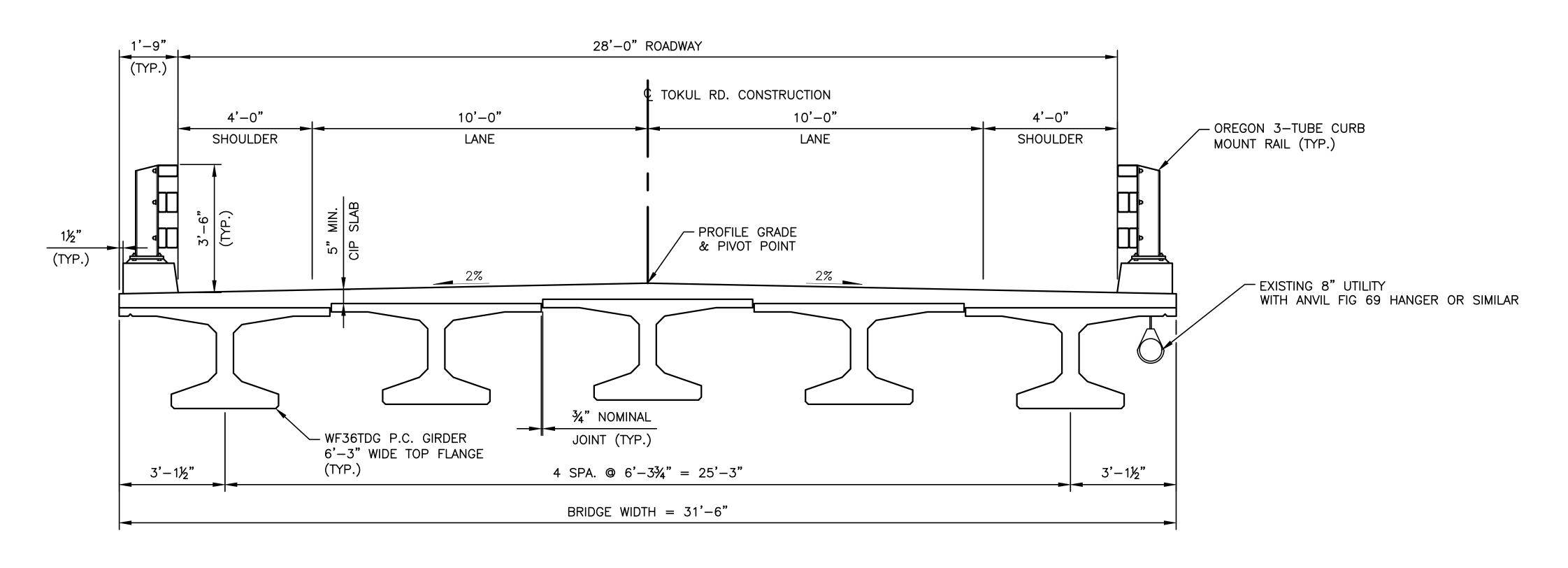
UPPER TOKUL CREEK BRIDGE #271B BRIDGE REPLACEMENT PROJECT



320-90 (EB09)

FRAMING PLAN

Drfo 12/02/20 3:30pm - P:\K\KCOX00000063\0400CAD\EB\SHEETS\EB-FR-001-KCOX0063.dv

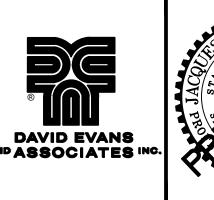


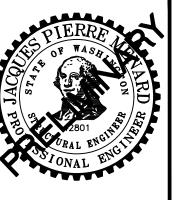
# BRIDGE TYPICAL SECTION

SHOWN NEAR MIDSPAN



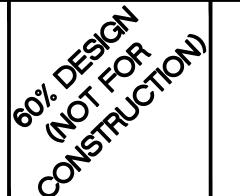
SUPERVISOR: 5. SUISETH 12/2020 AND ASSOCIATES	)	SURVEY JOB NO: _ CHECKED:  CAD ENTERED:  DESIGNED:  CHECKED:	J. EVANS D. FOSTER A. CHARNESKI E. FERLUGA	12/2020 12/2020 12/2020				DAVID EVANS
NUM. REVISION BY DATE	-	•	S. SOISETH	<u> </u>				DAVID EVANS AND ASSOCIATES





PIERRE	FED. AID No	N/A	_
OF WAS RIVER ON ALL ENGINEERS ON AL ENGINEERS ON AL ENGINEERS ON AL ENGINEERS OF THE PROPERTY	PROJECT No	1135999 TBD	
JONAL ENGLY	MAINTENANCE I	DIVISION No	•





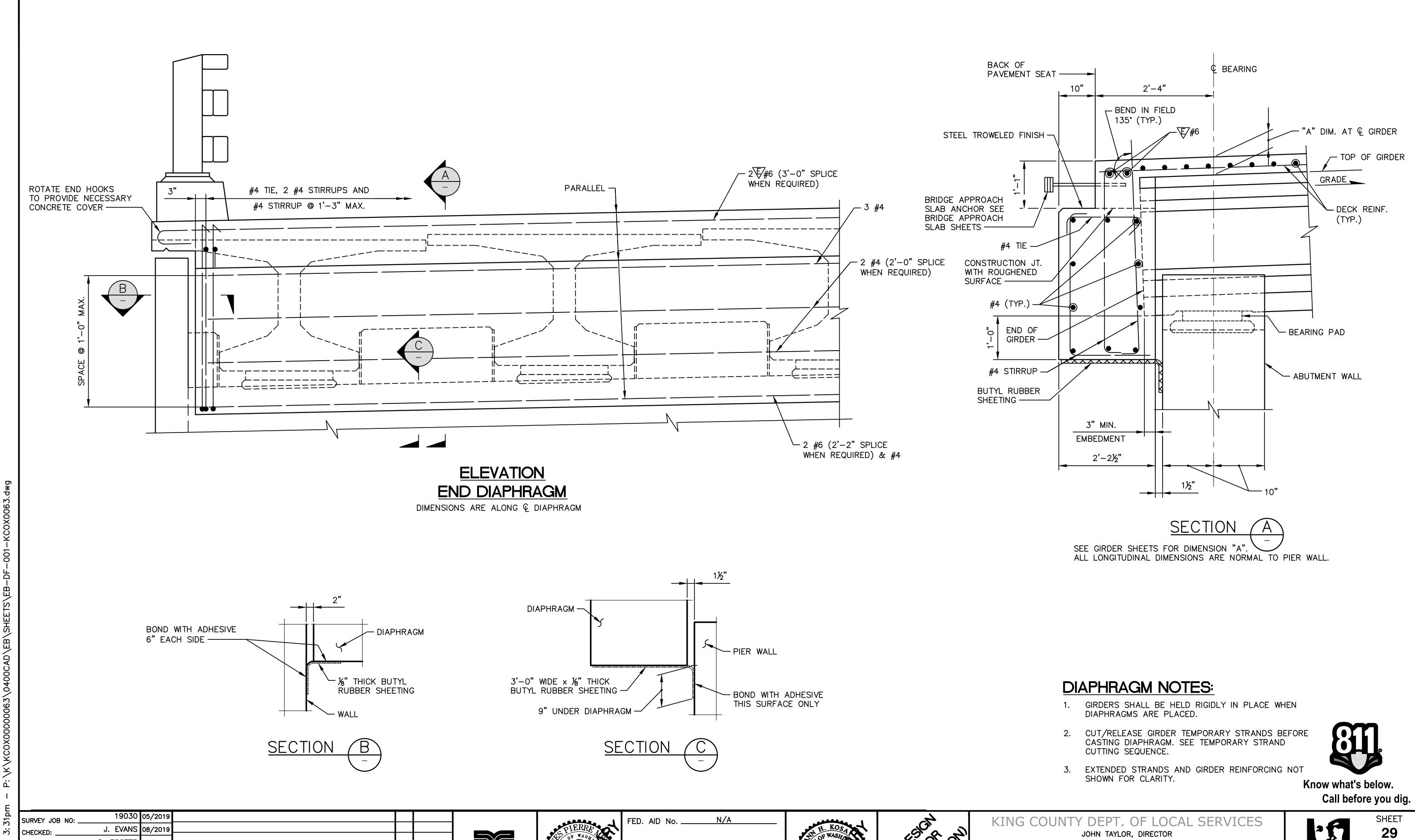
KING COUNTY DEPT. OF LOCAL SERVICES JOHN TAYLOR, DIRECTOR

# **UPPER TOKUL CREEK BRIDGE #271B** BRIDGE REPLACEMENT PROJECT

TYPICAL SECTION

28 **33** SHEETS King County

320-90 (EB10)



MAINTENANCE DIVISION No. \_\_\_2

DAVID EVANS
AND ASSOCIATES

BY

DATE

CHECKED:

SUPERVISOR:

D. FOSTER 12/2020

E. FERLUGA 12/2020

S. SOISETH 12/2020

NUM.

REVISION

A. CHARNESKI 12/2020

**King County** 

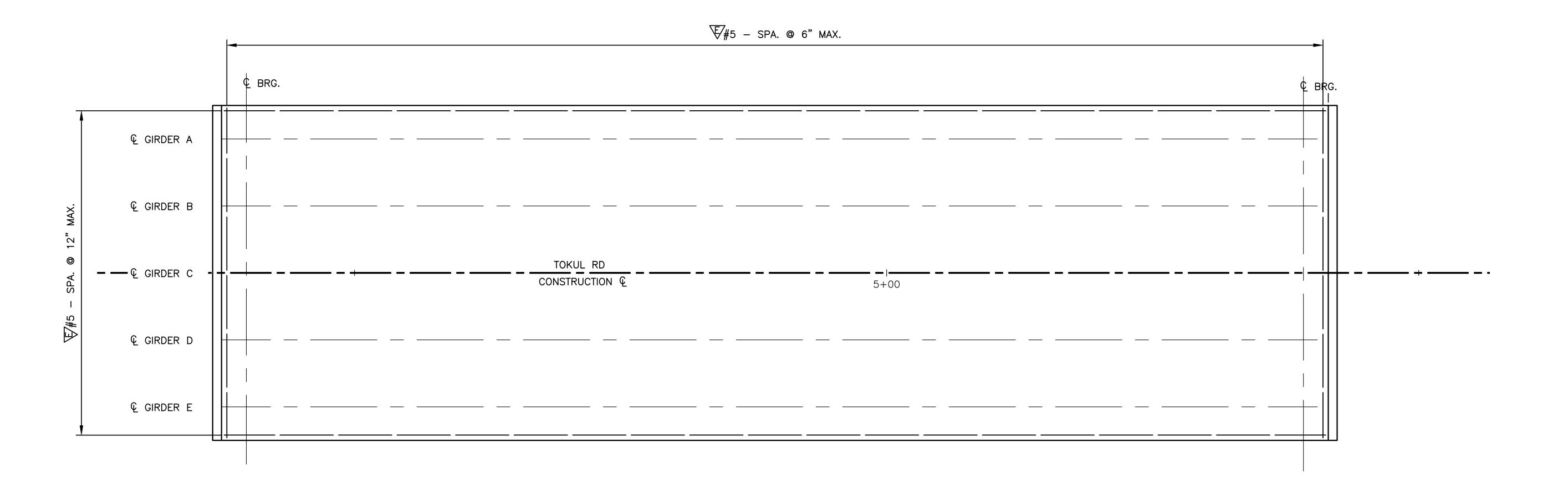
**UPPER TOKUL CREEK BRIDGE #271B** 

**BRIDGE REPLACEMENT PROJECT** 

END DIAPHRAGM DETAILS

SHEETS 320-90 (EB11)

33



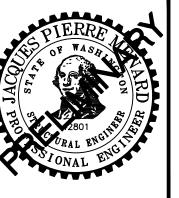
#### BRIDGE DECK REINFORCEMENT PLAN

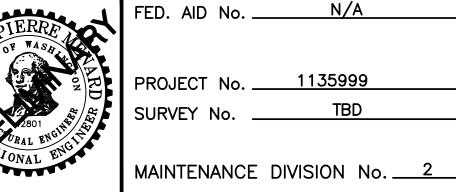
Know what's below. Call before you dig.

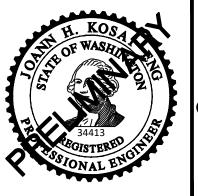
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7	SURVEY JOB NO: _	19030	05/2019					
5	CHECKED:	J. EVANS	08/2019					
3	CAD ENTERED:	D. FOSTER	12/2020					
`	DESIGNED:	A. CHARNESKI	12/2020					®
?	CHECKED:	E. FERLUGA	12/2020					
-	SUPERVISOR:	S. SOISETH	12/2020					DAVID EVANS AND ASSOCIATES IN
2	301 EKVISOK							
בֿ				NUM.	REVISION	BY	DATE	











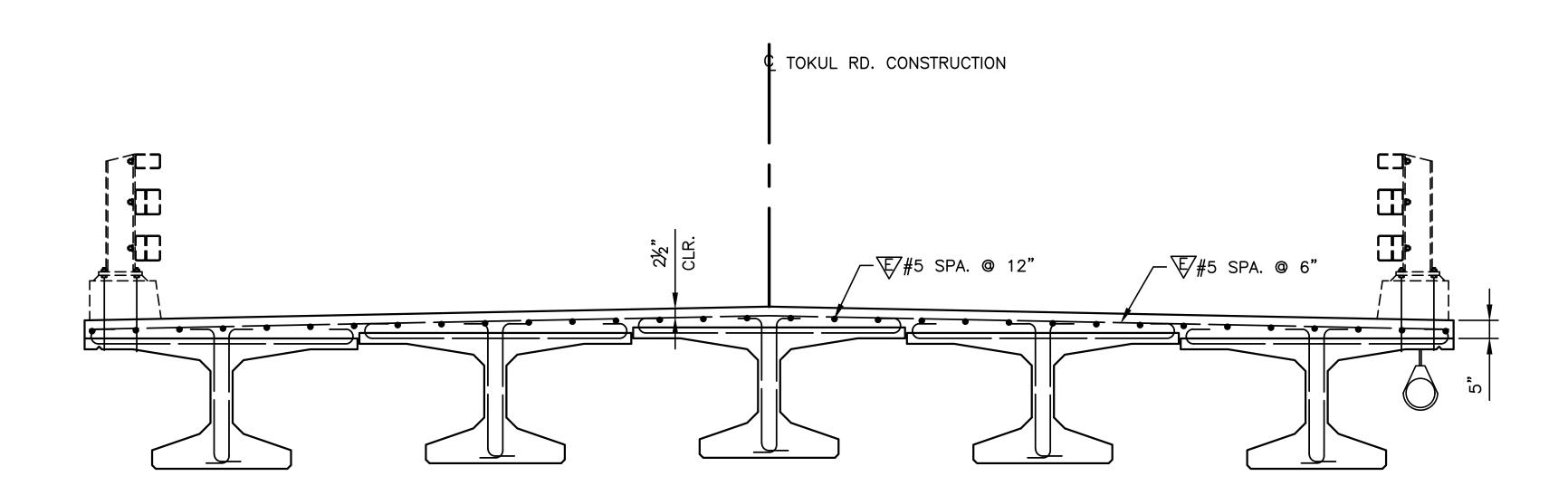
KING COUNTY DEPT. OF LOCAL SERVICES
JOHN TAYLOR, DIRECTOR

# **UPPER TOKUL CREEK BRIDGE #271B** BRIDGE REPLACEMENT PROJECT

King County

DECK REINFORCING PLAN

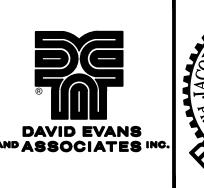
320-90 (EB12)

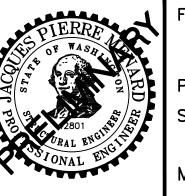


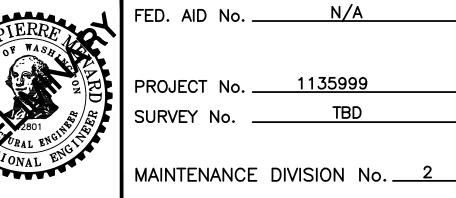
BRIDGE DECK TYPICAL SECTION



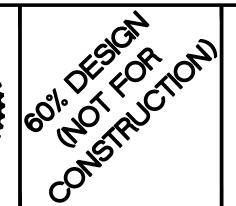
SURVEY JOB NO: \_ J. EVANS 08/2019 CHECKED: DAVID EVANS AND ASSOCIATES IN D. FOSTER 12/2020 A. CHARNESKI 12/2020 E. FERLUGA 12/2020 S. SOISETH 12/2020 BY NUM. DATE REVISION











KING COUNTY DEPT. OF LOCAL SERVICES JOHN TAYLOR, DIRECTOR

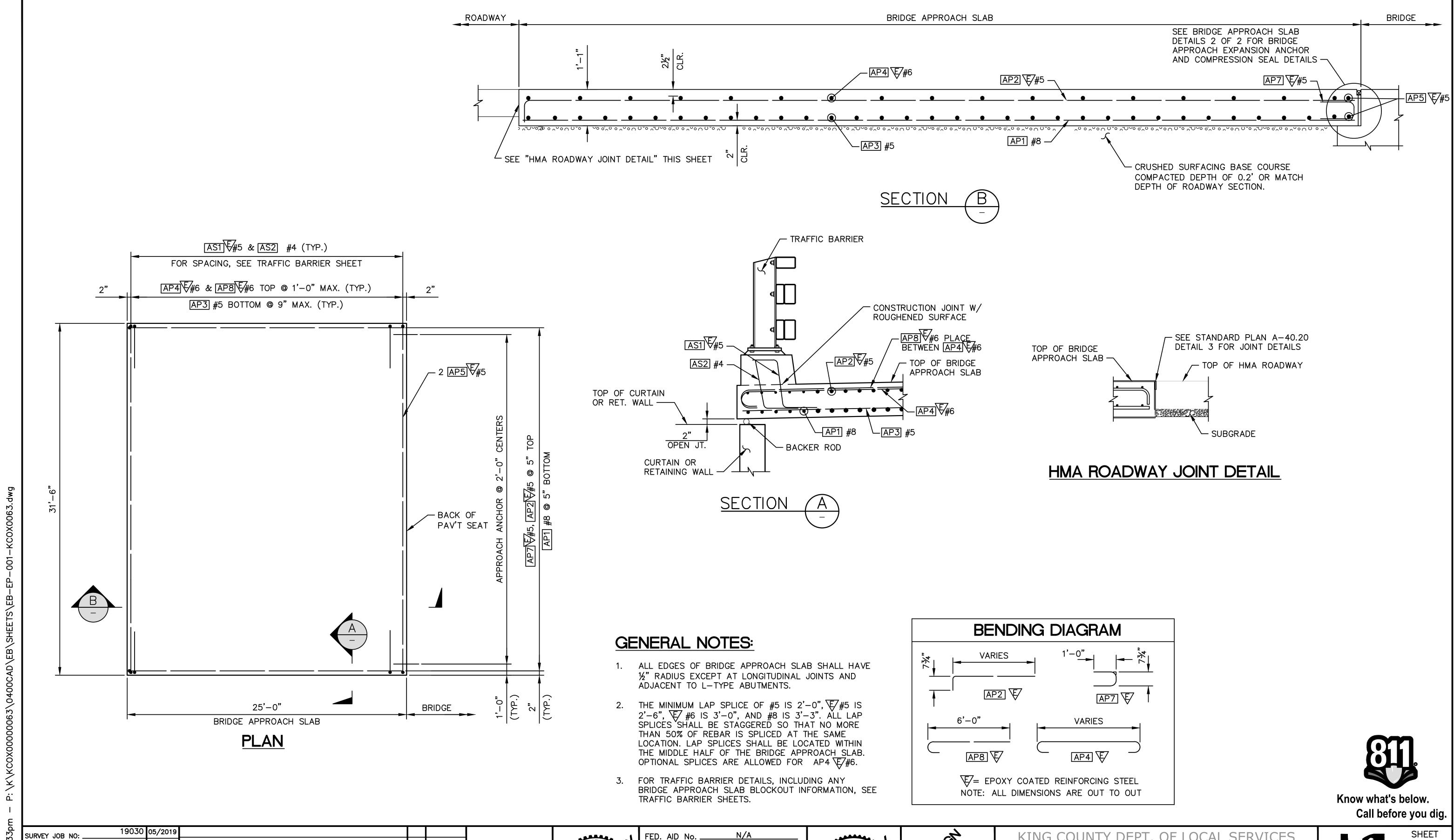
#### **UPPER TOKUL CREEK BRIDGE #271B** BRIDGE REPLACEMENT PROJECT

DECK REINFORCING SECTION

25
King Coun

SHEET 31 33 SHEETS

320-90 (EB13)



CHECKED:

DESIGNED:

CHECKED:

J. EVANS 08/2019

D. FOSTER 12/2020

A. CHARNESKI 12/2020

E. FERLUGA 12/2020

S. SOISETH 12/2020

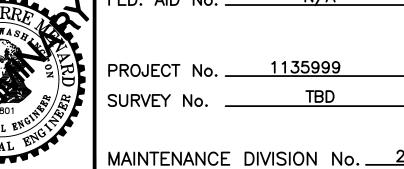
NUM.

REVISION

DAVID EVANS AND ASSOCIATES IN

BY

DATE







KING COUNTY DEPT. OF LOCAL SERVICES JOHN TAYLOR, DIRECTOR

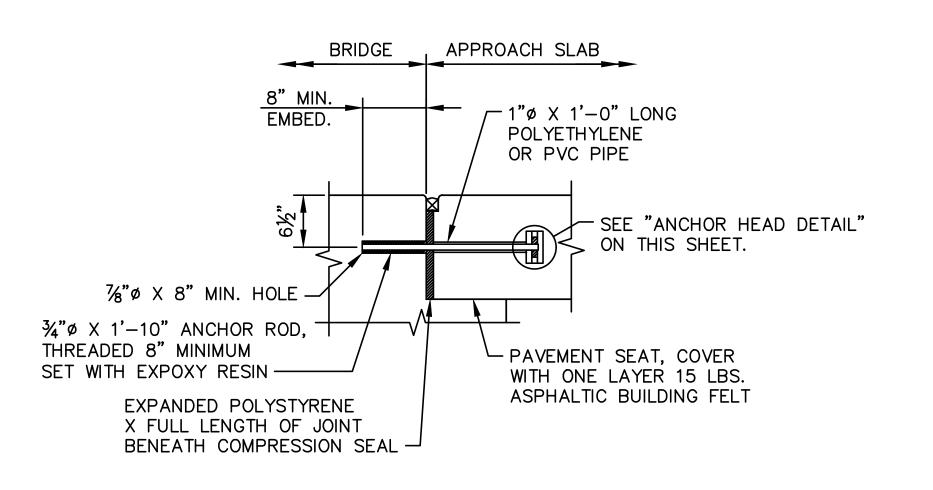
# **UPPER TOKUL CREEK BRIDGE #271B BRIDGE REPLACEMENT PROJECT**

BRIDGE APPROACH SLAB DETAILS 1 OF 2

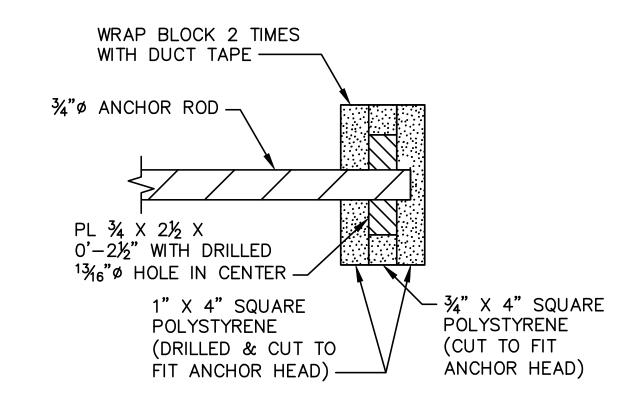
2	E
King	County

**32** 33 SHEETS

320-90 (EB14)

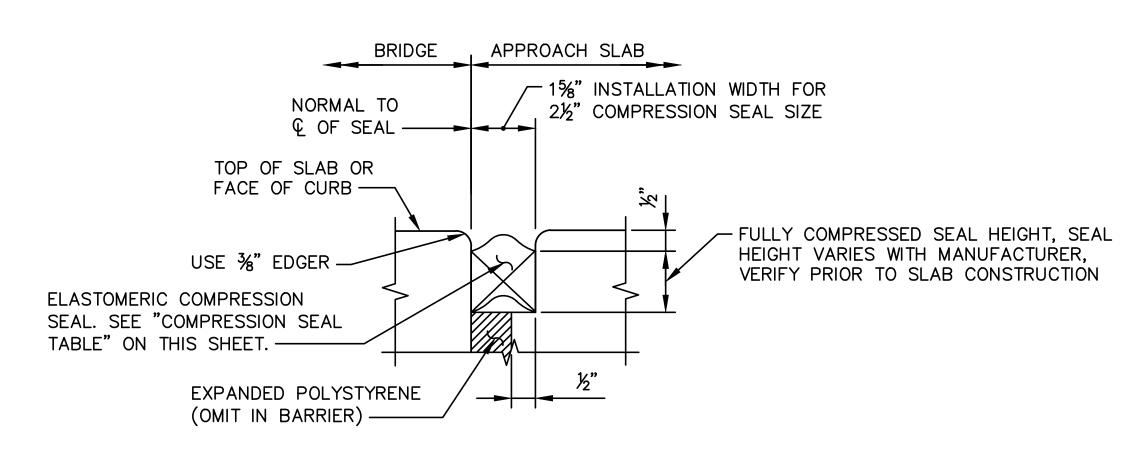


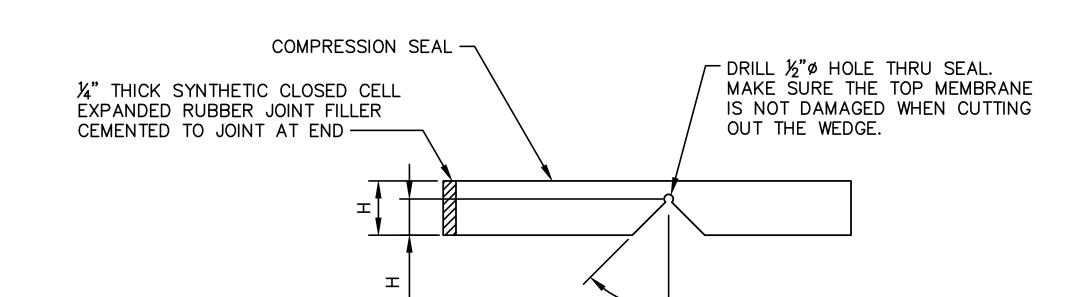
APPROACH ANCHOR - METHOD B



# **ANCHOR HEAD DETAIL**

#### APPROACH ANCHOR - METHOD A





O° CORNER "A"

45° CORNER "B" —

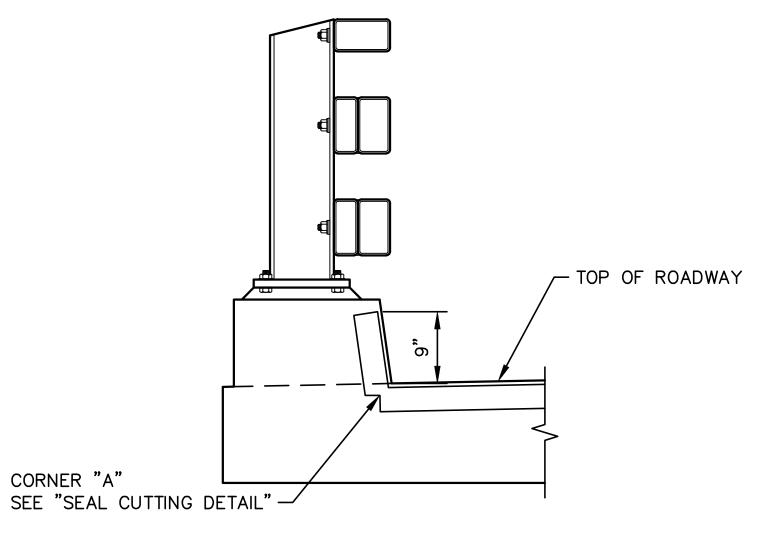
#### SEAL CUTTING DETAIL

# COMPRESSION SEAL DETAIL

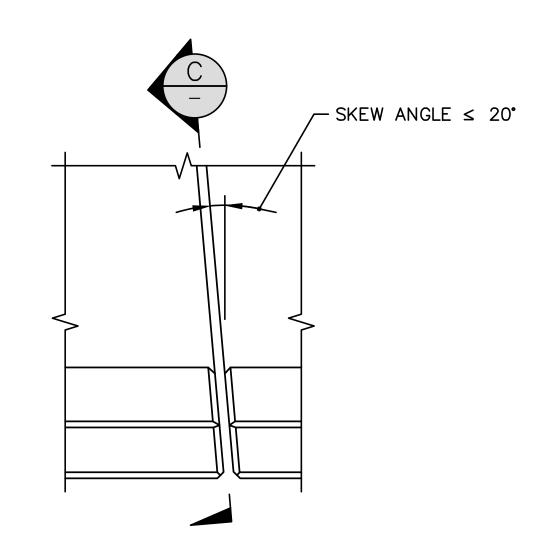
# COMPRESSION SEAL TABLE

D.S. E	BROWN	WATSON AC	BOWMAN ME
SEAL	WIDTH	SEAL	WIDTH
CV-2502	2½"	WA-250	2½"

TESTING SHALL BE PER ASTM D 2628 PRIOR TO USE.



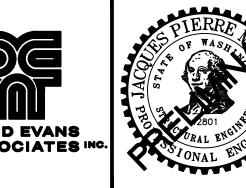




**PLAN EXPANSION JOINT** 

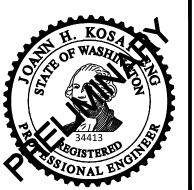
Know what's below. Call before you dig.

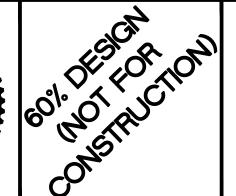
SURVEY JOB NO:	19030	05/2019					
CHECKED:	J. EVANS	08/2019					
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DESIGNED:	A. CHARNESKI	12/2020					®
CHECKED:	E. FERLUGA	12/2020					
SUPERVISOR:	S. SOISETH	12/2020					DAVID
			NUM.	REVISION	BY	DATE	





7	FED. AID No	N/A	
	PROJECT No SURVEY No	1135999 TBD	1
	MAINTENANCE	DIVISION No. 2	•





KING COUNTY DEPT. OF LOCAL SERVICES JOHN TAYLOR, DIRECTOR

#### **UPPER TOKUL CREEK BRIDGE #271B BRIDGE REPLACEMENT PROJECT**

BRIDGE APPROACH SLAB DETAILS 2 OF 2



SHEET 33

320-90 (EB15)