NEW PRIVATE ROAD PLANS

APPLICANT:

BJUR RANDALL HOWARD D 6411 NW MCKINLEY DR VANCOUVER, WA 98665

PREPARED BY:

AARON FULLER, PE FULLER DESIGNS 645 SE PROSPECT ST. CHEHALIS, WA 98532 (520) 840-3599 afuller@fullerdesigns.org

SURVEYOR

BLUHM AND ASSOCIATES LAND SURVEYORS, INC. 1068 S. MARKET BLVD. CHEHALIS, WA 98532 (360) 748-1551 FAX: (360) 748-6282

ROAD DESIGN ELEMENTS:

ROAD CLASSIFICATION: COWLITZ COUNTY CLASS C PRIVATE ROAD DESIGN SPEED: 20 MPH (MAX)
SUPERELEVATION: 4% MAX
ADT: <100

STANDARD NOTES:

- 1. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH COWLITZ COUNTY PRIVATE ROAD STDS.
- 2. TEMPORARY EROSION/WATER POLLUTION MEASURES SHALL BE REQUIRED IN ACCORDANCE WITH 1-07.15 OF THE STD SPECS AND THE DRAINAGE DESIGN AND EROSION CONTROL MANUAL.
- 3. ALL DISTURBED AREAS SHALL BE SEEDED, MULCHED OR OTHERWISE STABILIZED.
- 4. CONTRACTOR RESPONSIBLE FOR OBTAINING ROAD USE AND RELATED PERMITS PRIOR TO CONSTRUCTION ACTIVITY.
- 5. NO FINAL CUT SLOPE SHALL EXCEED 1.5:1 (H:V) WITHOUT STABILIZATION BY ROCKERY OR RETAINING WALL. UNSUPPORTED FINAL FILL SLOPES SHALL NOT EXCEED 2:1.
- 6. ROADWAY AND PAVEMENT DESIGNED FOR MAX. 75,000LB GVW EMERGENCY FIRE AND LIFE SAFETY TRUCKS.

GRADING NOTES:

- 1. 2' MINIMUM BUFFER SHALL BE RECOGNIZED BETWEEN THE SUBJECT PROPERTY LINES AND ALL GRADING DISTURBANCE RELATED TO THIS PROJECT EXCEPT WHERE A SIGNED LETTER OF AGREEMENT IS SUBMITTED TO COWLITZ COUNTY FOR GRADING WITHIN 2' OF THE PROPERTY LINE FROM THE PROPERTY OWNER ABUTTING
- 2. PRIOR TO PLACEMENT OF EMBANKMENT FILL, OR ROAD BASE COURSE, EXPOSED SUBGRADE SHALL BE PROOF ROLLED UNDER THE OBSERVATION OF THE GEOTECHNICAL ENGINEER.
- 3. ALL SOFT OR YIELDING ZONES SHALL BE OVEREXCAVATED AND REPLACED WITH STRUCTURAL FILL.

EARTHWORK QUANTITY

	CUT (CY)	FILL (CY)
RAW QUANTITY	501.09	613.03
NET VOLUMETRIC DIFFERENCE CUT/FILL	129.94 CY NET FILL	

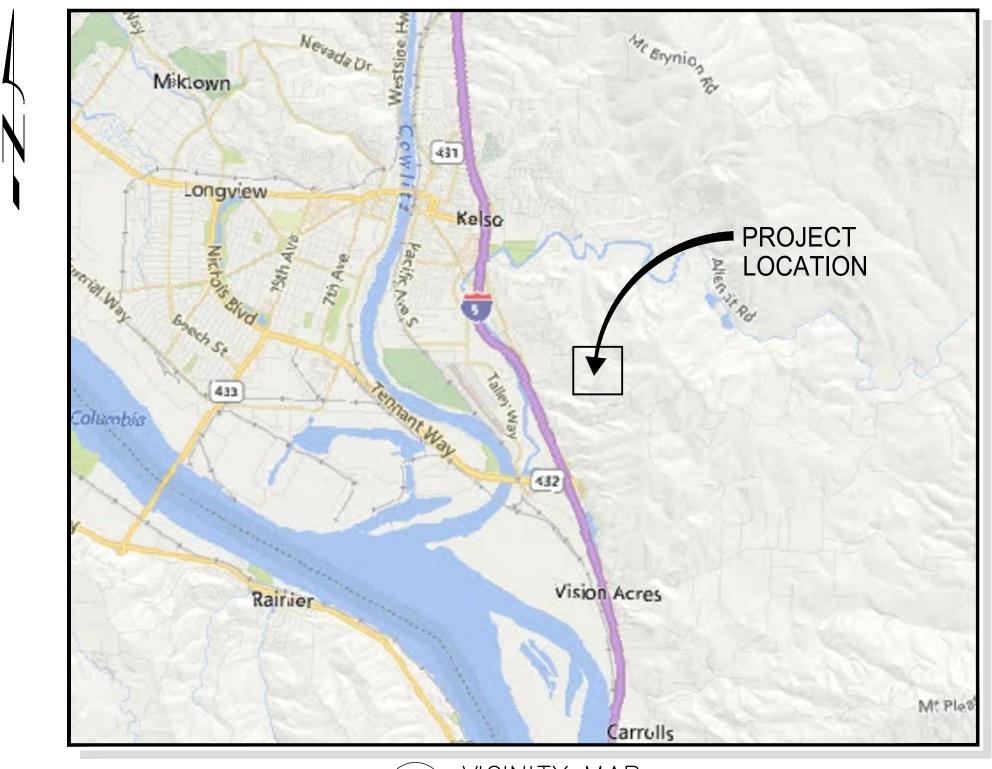
PROJECT NOTES:

- 1. THE NEW PRIVATE ROAD IS TO PROVIDE ACCESS TO LOTS 7, 12 & 13
- 2. LOT 13 COULD BE ACCESSED OFF OF TYBREN ROAD BUT DUE TO MAP HAZARD AREA AND DESIRED BUILDING AREA, THE NEW PRIVATE ROAD IS THE PREFERRED ACCESS
- 3. A DRIVEWAY ACCESS IS ALSO PROPOSED FOR LOT 14 WITH A DRIVEWAY PERMIT.
- 4. GEOTECHNICAL AND STORMWATER REPORTS HAVE BEEN PROVIDED TO THE DEVELOPER AND ARE INCLUDED BY REFERANCE WITH THESE PLANS.

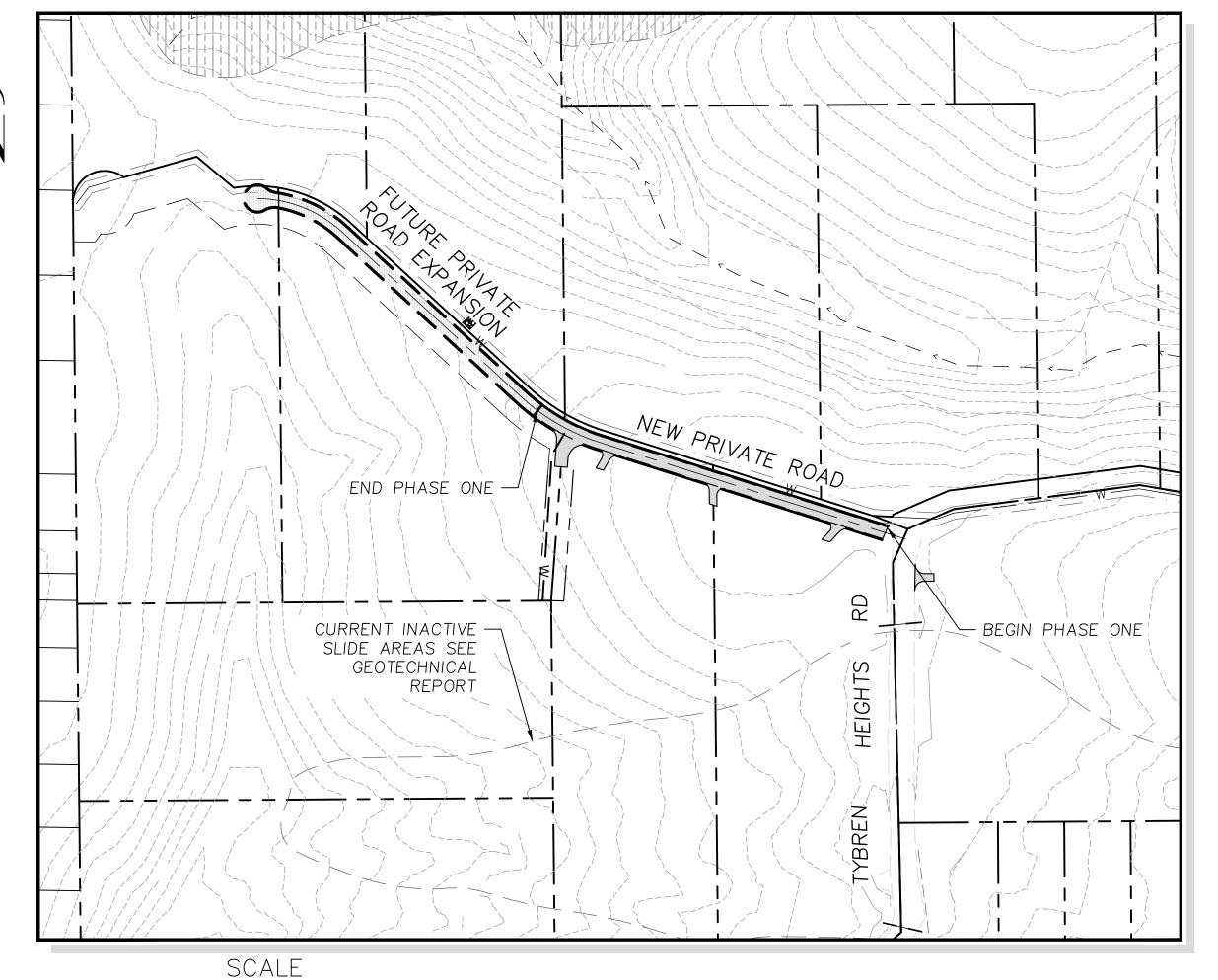
INDEX TO DRAWINGS:

SHEET NO	SHEET TITLE
C-III-01	COVER SHEET
C-III-02	OVERALL ROAD PLAN
C-III-03	PROPOSED GRADING PLAN
C-III-04	DRAINAGE PLAN
C-III-05	ROAD PLAN & PROFILE
C-III-06	CROSS SECTION STA 0+00 - STA 6+00
C-III-07	CROSS SECTION STA 6+00 - STA 11+86
C-III-08	EROSION CONTROL PLAN
C-III-09	DETAILS & EROSION CONTROL NOTES









C-01 SCALE: 1" = 150'



FULLER DESIGNS

TW PRIVATE ROAD PLAN

OF KELSO, WASHINGTON)

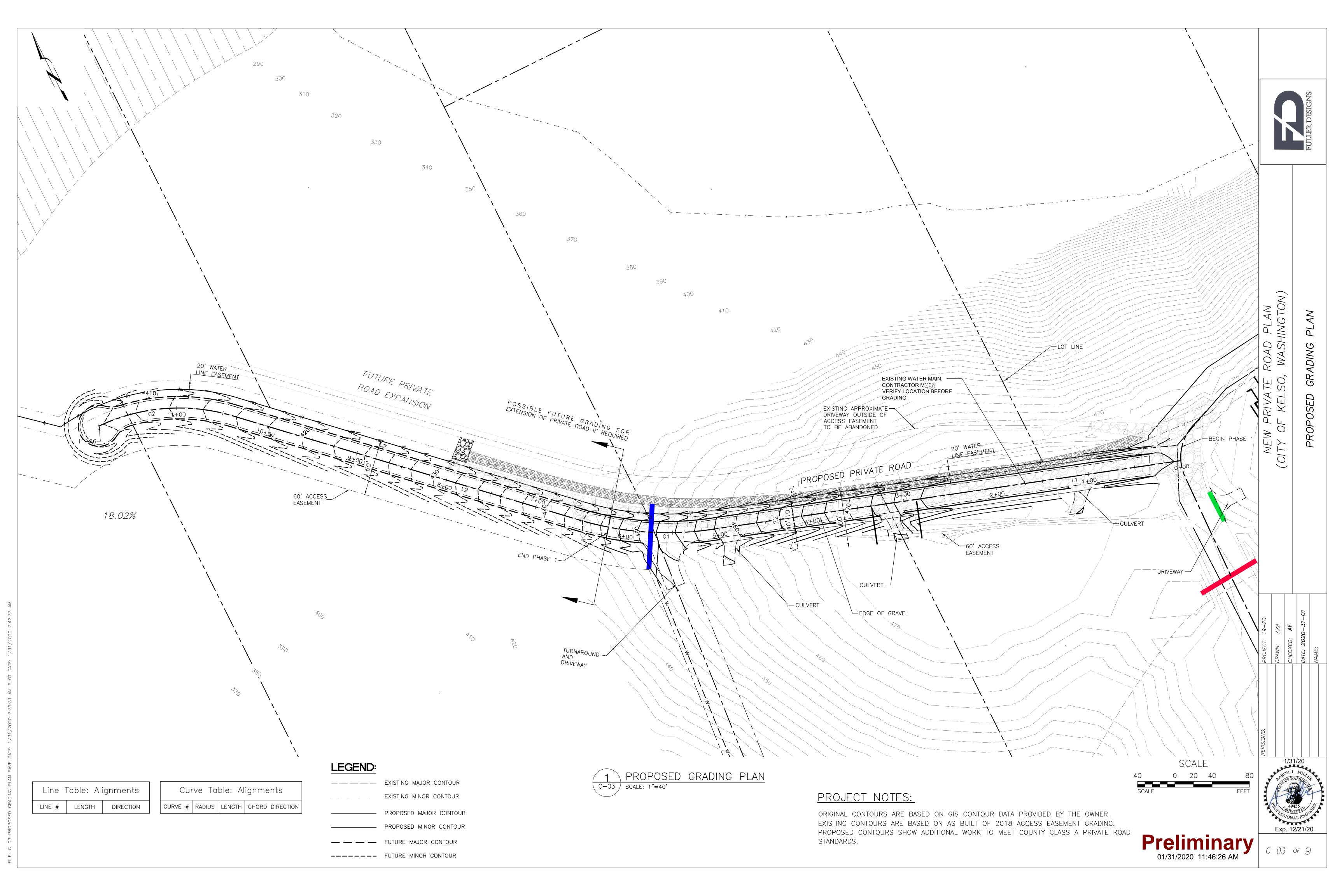
COVER SHEET

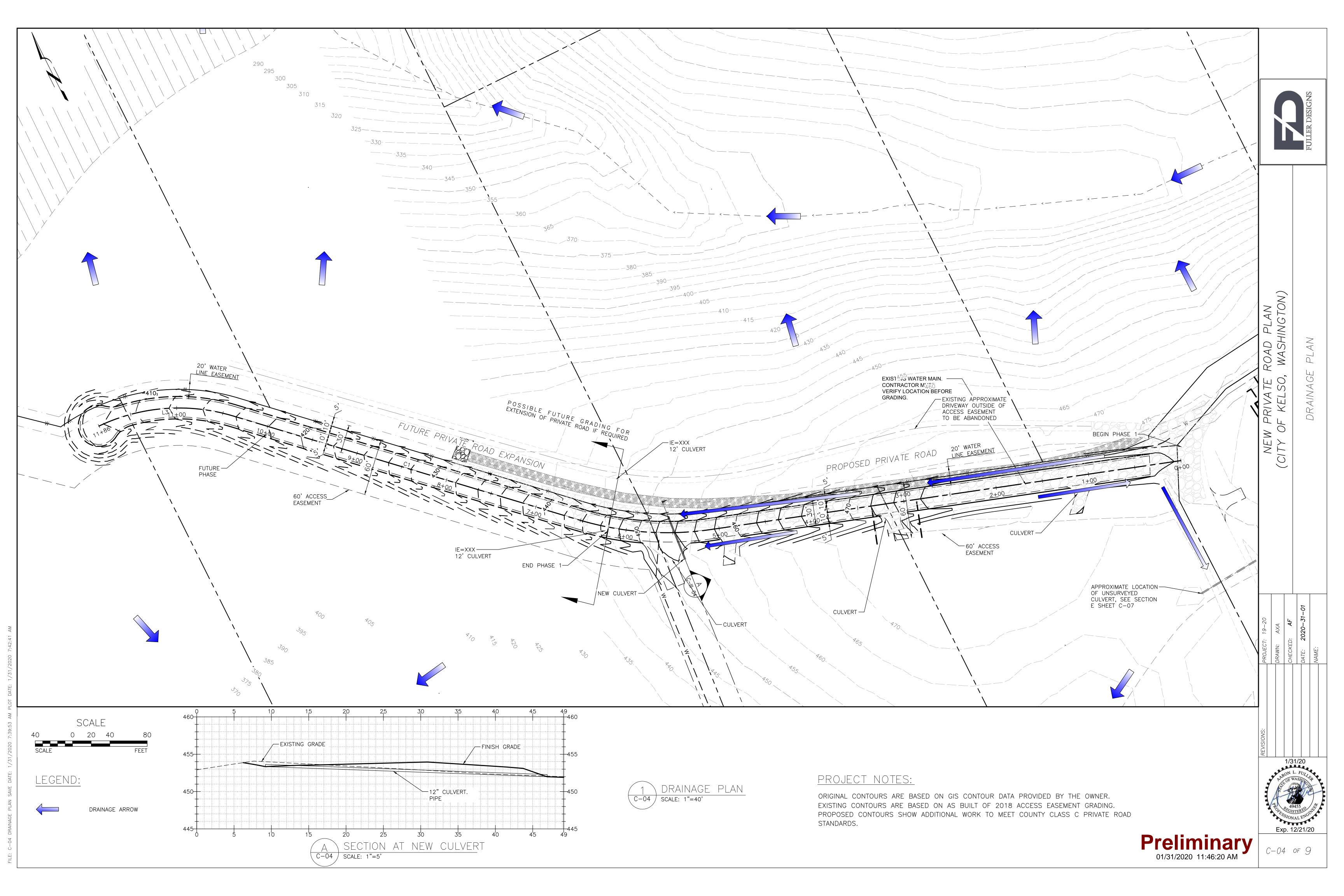
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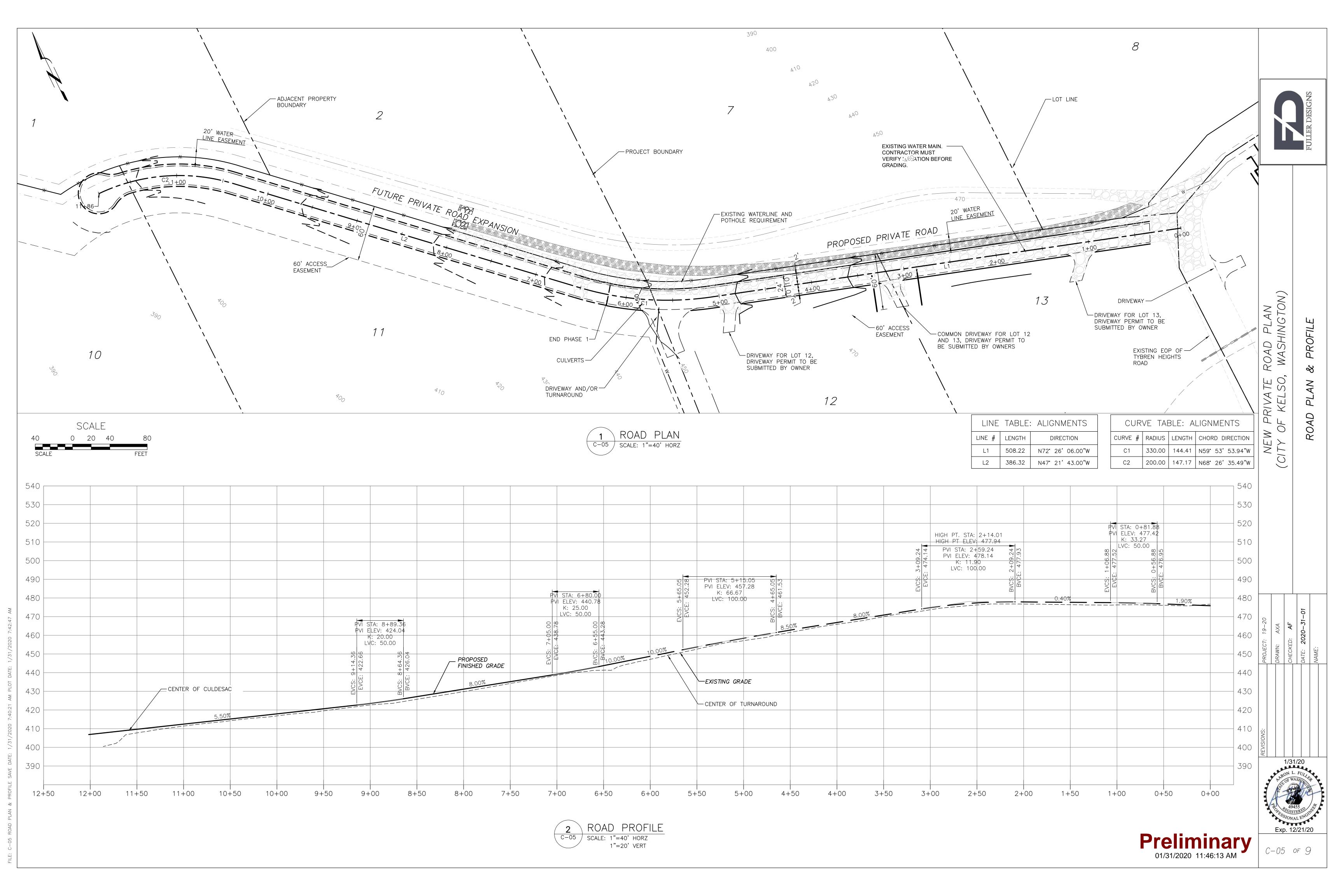
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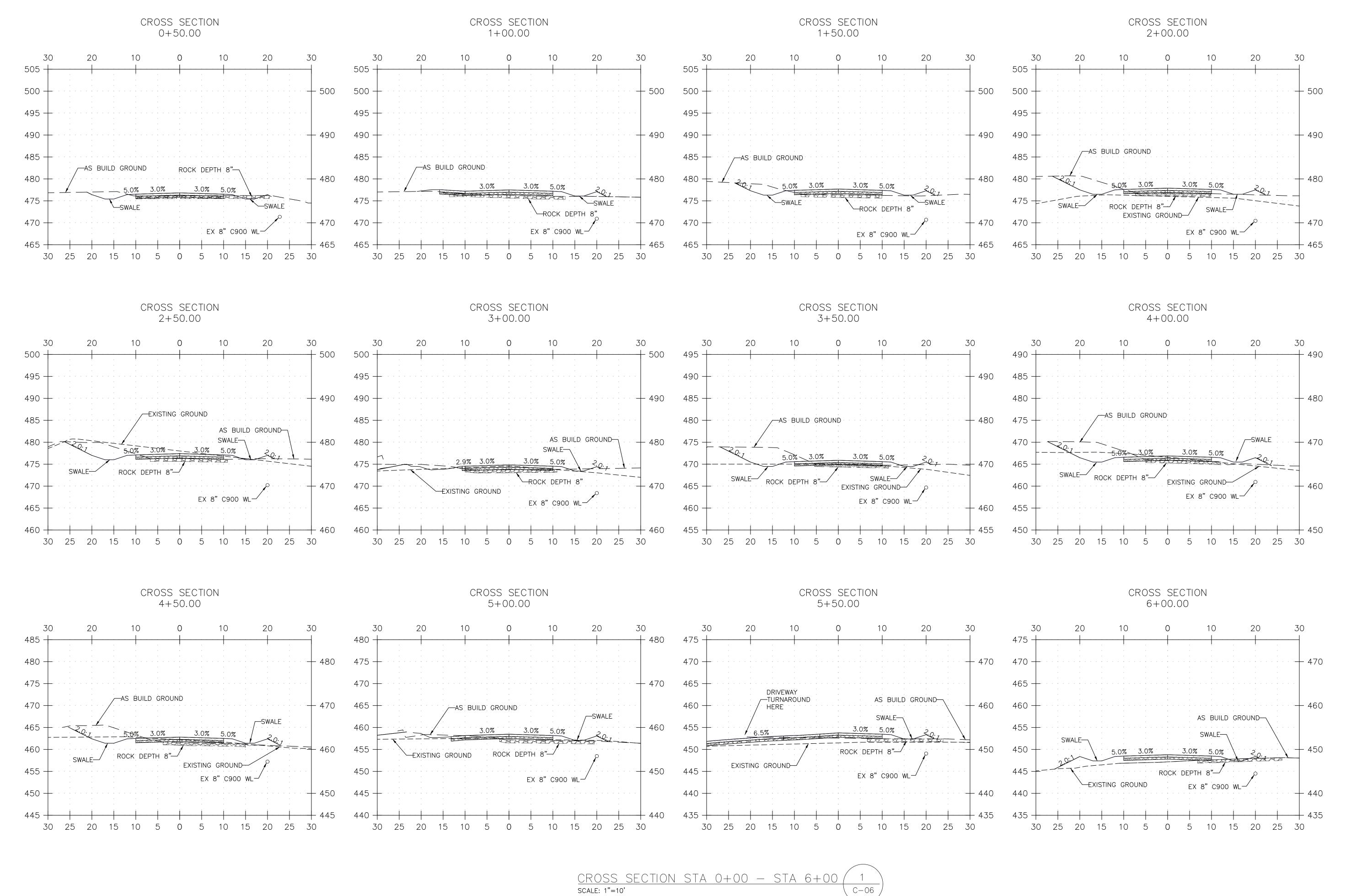
Exp. 12/21/20

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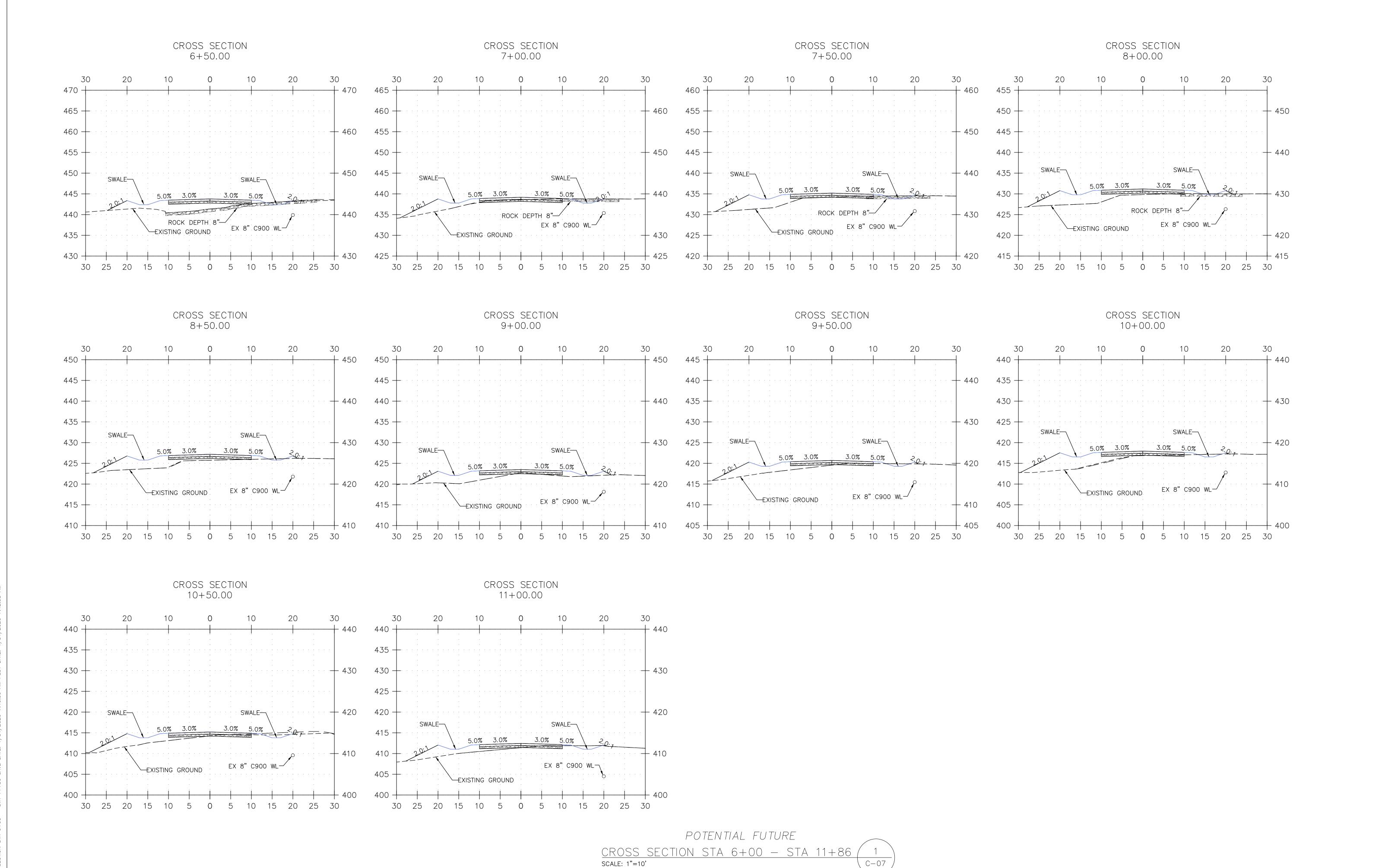






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CITY OF KELSO, WASHINGTON)

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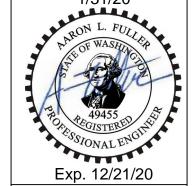
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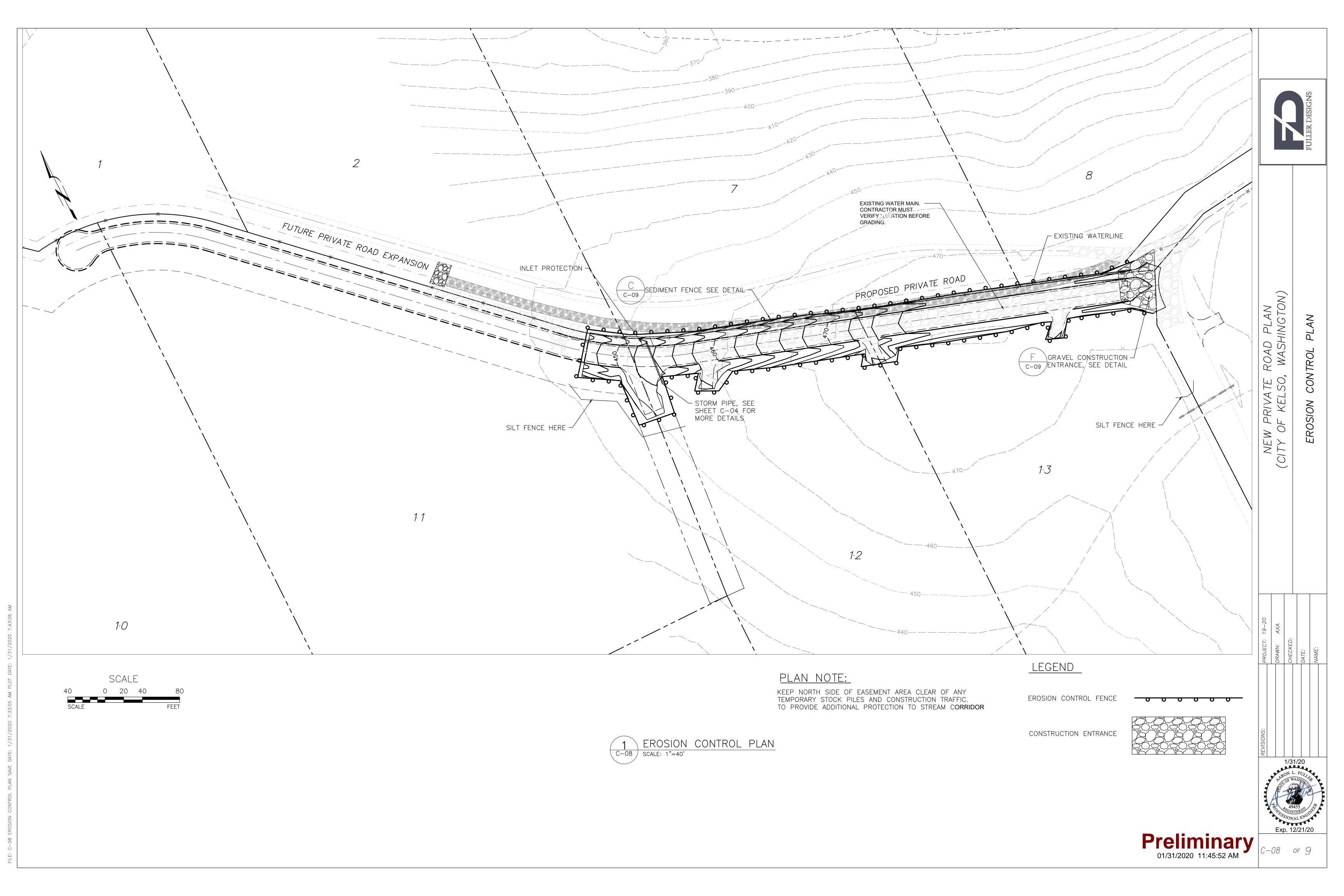
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**ARON L. FULLER

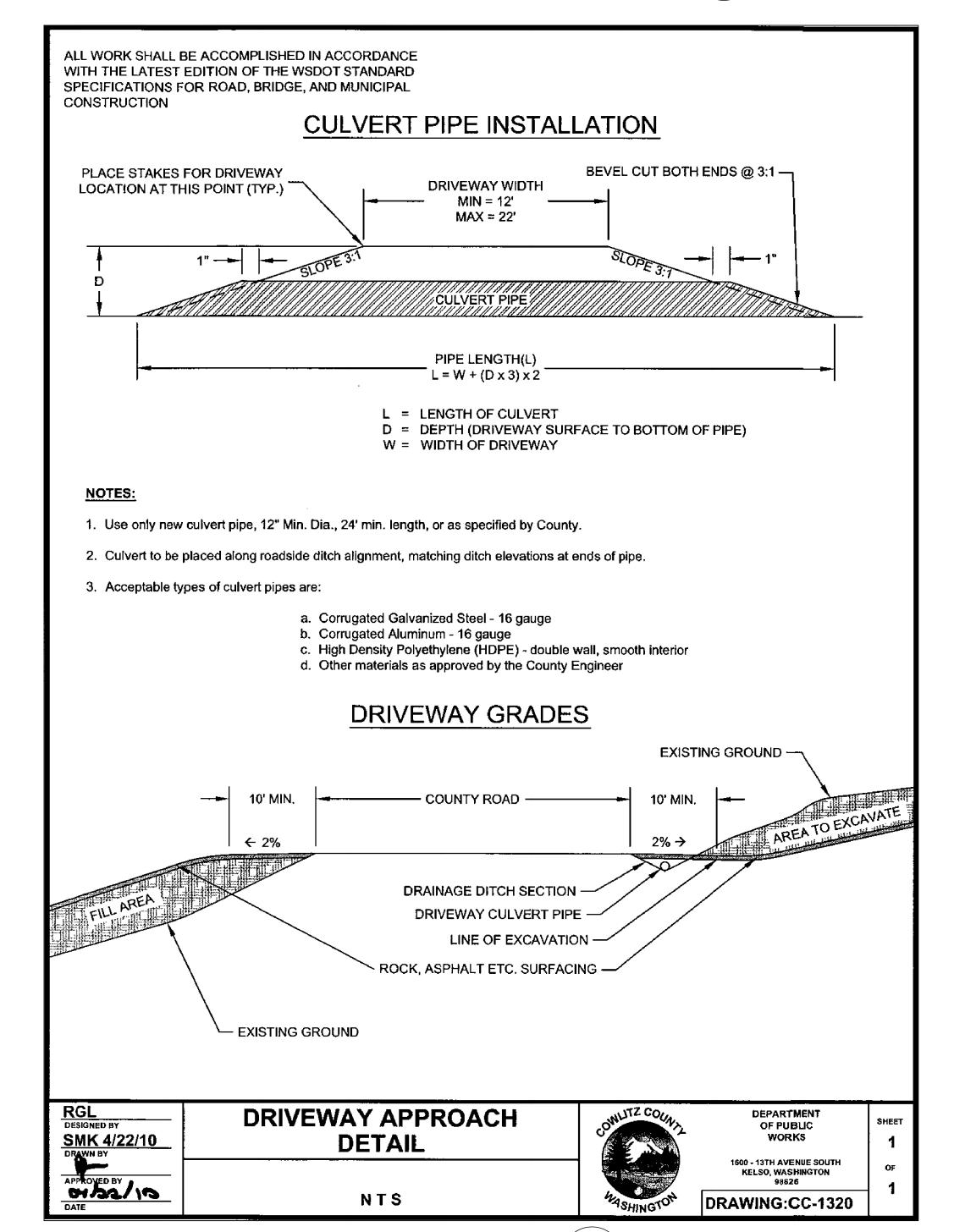
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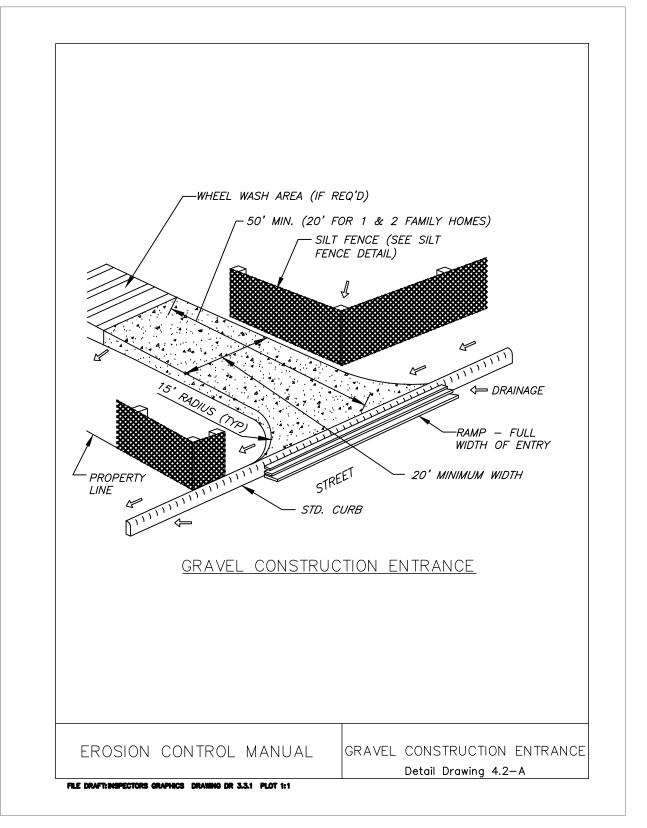
TYP. EMERGENCY TURNAROUND A C-09



DRIVEWAY APPROACH DETAIL

SCALE: NTS

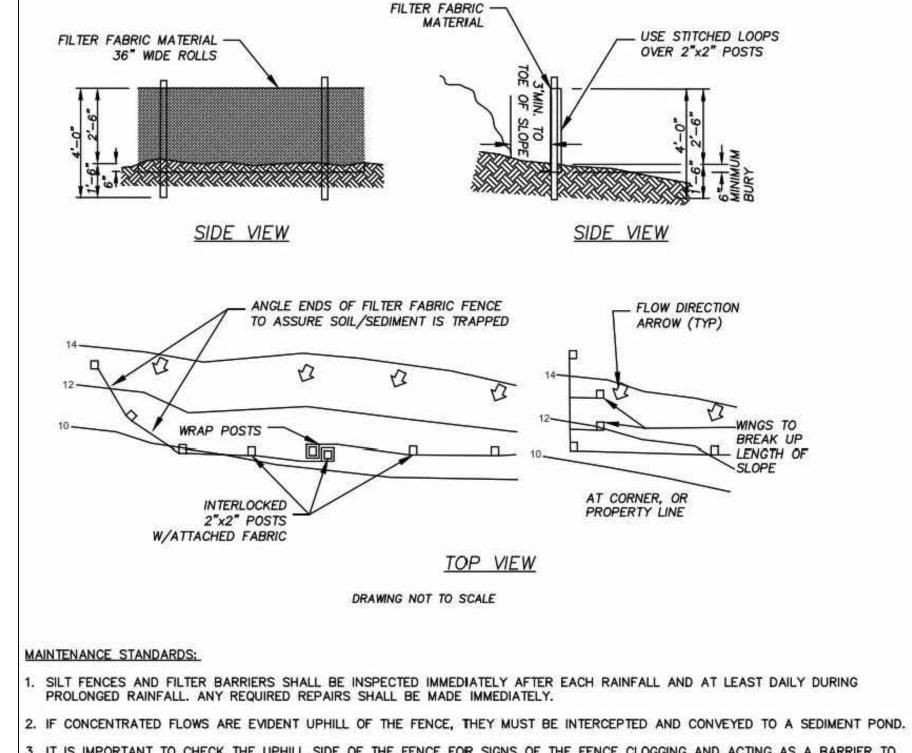
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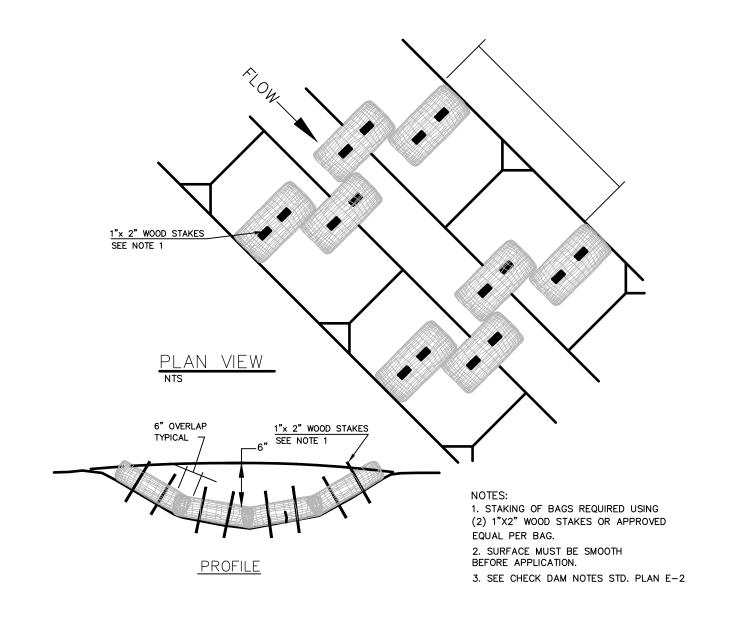
GENERAL EROSION PREVENTION & SEDIMENT CONTROL NOTES

- 1. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IN PLACE AND IN WORKING CONDITION PRIOR TO ANY LAND DISTURBING ACTIVITY CAUSED BY CLEARING OR GRADING.
- 2. CONTRACTOR SHALL SITE AND CONSTRUCT EROSION AND SEDIMENT CONTROL MEASURES PER THE REQUIREMENTS OF THE WASHINGTON STATE DEPARTMENT OF ECOLOGY STORMWATER MANUAL FOR WESTERN WASHINGTON, WHERE COWLITZ COUNTY ORDINANCE SHALL TAKE PRECEDENCE.
- 3. MATERIAL STOCKPILES ARE TO BE PROTECTED BY THE FOLLOWING MEANS:
- 3.1. TEMPORARY: COVER PILES WITH TARPS OR PLASTIC SHEETING WEIGHTED WITH CONCRETE BLOCKS, LUMBER OR TIRES.
- 3.2. PERMANENT: COVER PILES WITH TARPS OR PLASTIC, OR RESSEED. PERIMETER AREAS AROUND PILES ARE TO BE SURROUNDED WITH EROSION CONTROL. FILTER FABRIC FENCES UNTIL SOIL SURFACE IS STABILIZED WITH RESEEDING.
- 4. IF THE INSPECTOR/ENGINEER HAS EVIDENCE OF POOR CONSTRUCTION PRACTICES OR IMPROPER EROSION PREVENTION BMPs, WORK SHALL BE CEASED UNTIL PROPER MEASURES HAVE BEEN TAKEN AND APPROVED. IF THE BMPs APPLIED TO A SITE ARE INSUFFICIENT TO PREVENT SEDIMENT FROM REACHING WATER BODIES, ADJACENT PROPERTIES, OR PUBLIC RIGHT-OF-WAY, THEN THE COUNTY AND/OR INSPECTOR SHALL REQUIRE ADDITIONAL BMPS.
- 5. SEDIMENT CONTROL BMPS SHALL BE INSPECTED WEEKLY AND AFTER ANY STORM EVENT PRODUCTING RUNOFF BY STRATA DESIGN OR CONTRACTORS DESIGNATED EROSION CONTROL SPECIALIST. CONTRACTOR SHALL BE RESPONSIBLE FOR SCHEDULING AND COORDINATION FOR INSPECTIONS.
- 6. EXPOSED SURFACES THAT WILL NOT BE BROUGHT TO FINAL GRADE OR GIVEN A PERMANENT COVER TREATMENT WITHIN 5 DAYS OF THE EXPOSURE SHALL HAVE SEED MIX AND MULCH PLACED TO STABILIZE THE SOIL AND REDUCE EROSION SEDIMENTATION. SEEDED AREAS SHALL BE CHECKED REGULARLY TO ASSURE A GOOD STAND OF GRASS IS BEING MAINTAINED. AREAS THAT FAIL TO ESTABLISH VEGETATION COVER ADEQUATE TO PREVENT EROSION WILL BE RESEEDED AS SOON AS SUCH AREAS ARE IDENTIFIED.
- 7. APPLY AN APPROVED TEMPORARY SEEDING MIXTURE TO THE PREPARED SEED BED AT A RATE OF 120 LBS/ACRE. NOTE: "HYDROSEEDING" APPLICATIONS WITH APPROVED SEED-MULCH-FERTILIZER MIXTURES MAY ALSO BE USED.
- 8. DISTURBED SOIL SURFACES WHICH ARE EXPOSED SHALL BE DRESSED WITH 3-INCH COVER OF STRAW, MULCH, COMPOST, OR WOOD CHIP.
- 9. THE DETAILS PRESENTED IN THIS PLAN SHALL NOT BE IMPLIED TO ADDRESS ALL UNANTICIPATED SITE CONDITIONS (SLOPE SEEPAGE, OFF—SITE WATER INFLOW, ETC.). AMENDMENTS TO THE PLAN SHALL BE MADE UPON ENCOUNTERING SUCH UNANTICIPATED SITE CONDITIONS.



- 3. IT IS IMPORTANT TO CHECK THE UPHILL SIDE OF THE FENCE FOR SIGNS OF THE FENCE CLOGGING AND ACTING AS A BARRIER TO FLOW AND THEN CAUSING CHANNELIZATION OF FLOWS PARALLEL TO THE FENCE. IF THIS OCCURS, REPLACE THE FENCE OR REMOVE THE TRAPPED SEDIMENT.
- 4. SEDIMENT DEPOSITS SHALL EITHER BE REMOVED WHEN THE DEPOSIT REACHES APPROXIMATELY ONE—THIRD THE HEIGHT OF THE SILT FENCE, OR A SECOND SILT FENCE SHALL BE INSTALLED.
- 5. IF THE FILTER FABRIC (GEOTEXTILE) HAS DETERIORATED DUE TO ULTRAVIOLET BREAKDOWN, IT SHALL BE REPLACED.
- JOINTS IN FILTER FABRIC SHALL BE SPLICED AT POSTS. USE STAPLES, WIRE RINGS, SEWN IN POCKETS OR EQUIVALENT TO ATTACH FABRIC TO POSTS.

SILT FENCES AND FILTER BARRIERS C
scale: nts



BIO-BAG SEDIMENT TRAP E
SCALE: NTS C-09

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FULLER DESIGNS

TATALL & FROSION CONTROL NOTE

PROJECT: 19–20
DRAWN: AXA
CHECKED:
DATE:

1/31/20

PRON L. FULL

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