

SHEET INDEX		
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4	C-4	PHASING PLAN
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BASIS OF HORIZONTAL DATUM:

NAD83-2011 WASHINGTON STATE PLANE/NORTH ZONE COORDINATES BASED ON RTK GPS OBSERVATIONS UTILIZING THE WASHINGTON STATE REFERENCE NETWORK (WSRN).

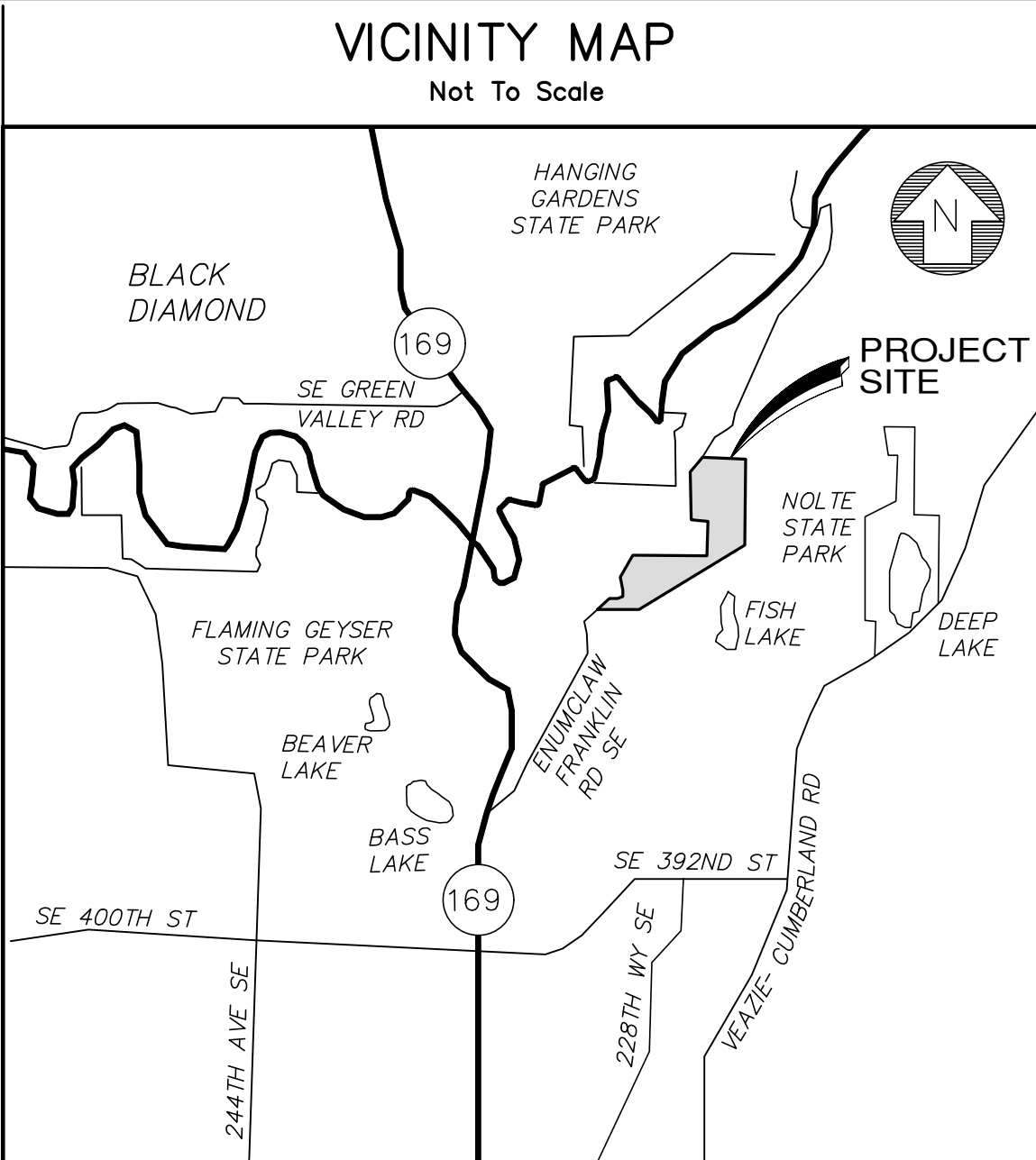
BASIS OF VERTICAL DATUM:

NGVD 88 BASED ON GPS OBSERVATIONS UTILIZING THE WASHINGTON STATE REFERENCE NETWORK (WSRN).

NOTES:

- SURVEY DATA SHOWN HEREON WAS OBTAINED ON JUNE 19, 2020.
- THE PURPOSE OF THIS SURVEY IS TO SHOW UPDATED TOPOGRAPHIC DATA FOR THE USE OF THE HYDE MINE TO UTILIZE FOR FUTURE PLANNING AND PERMITTING OF OPERATIONS.
- THE TOPOGRAPHY DEPICTED HEREON IS BASED ON AN UNMANNED AERIAL VEHICLE (UAV) FLIGHT WITH CORRECTED PHOTOGRAMMETRY, USING PREVIOUSLY SURVEYED TARGETS SPREAD THROUGHOUT THE SITE. THE ACCURACY OF THE ELEVATION CONTOURS AS SHOWN IS LIMITED BY OBSTRUCTIONS SUCH AS TREES, BRUSH OR OTHER ITEMS.
- THE BOUNDARY FOR LOT Q HAS BEEN ESTABLISHED BY BLAD18-0014 AS RECORDED UNDER RECORDING NO. 20200311000004 WITH SURVEY DATA PROVIDED BY LANKTREE LAND SURVEYING, INC.
- LINES SHOWN HEREON ARE PRELIMINARY IN NATURE AND DO NOT REPRESENT A FINAL BOUNDARY SURVEY. THE BOUNDARY DEPICTED IN THE RECORD OF SURVEY AS PREPARED BY JOHN E. CRAMER IN 1992, RECORDED IN KING COUNTY UNDER INSTRUMENT NO. 9204179004, WAS GENERALLY HELD FOR THIS MAP. NUMEROUS MONUMENTS AND PROPERTY CORNERS SHOWN ON SAID SURVEY WERE RECOVERED AND TIED DURING THE COURSE OF THIS SURVEY WHICH HAS HELD THE EAST LINE OF SECTION 30 ITS BASIS OF BEARING.
- DRILL HOLE LOCATIONS ARE APPROXIMATE.

JOB NO. 1960-002-020
DWG. NAME: C-1
DATE: 06/20/2024



Soils Map
Scale 1"=300'

Notice Required

Contractors shall notify operators who maintain underground utility lines in the area of proposed excavation or blasting at least two business days, but not more than ten working days prior to commencement of excavation or demolition in accordance with ROW Title 19. Names and telephone numbers of the operators of underground utility lines in this project appear below. These numbers shall also be used to serve in an emergency conditions as required.

Sanitary Sewer	Phone
Water District	
Gas Company	
Power Company	
Call Before You Dig	DIAL-A-DIG 811

Notes

- The Developer is required to notify the Land Use Services Division, Land Use Inspection Section (206) 477-0377, three days prior to the beginning of construction for a preconstruction conference and specifically request inspection before beginning:
A. Installing siltation and erosion control measures
B. Clearing and grubbing
C. Earthwork
D. Installation of any underground utility
E. Before placing subbase, base or paving surfaces
F. Installation of any forms or placing any concrete
- A permit must be obtained from the office of the Resident Engineer, Washington State Department of Transportation, before any construction is started on any existing state route.
- A Hydraulic Project Approval (HPA) Permit must be obtained from the Washington State Department of Fisheries prior to any work when required.

Bonding Information

Restoration Bond Amount	\$	
Performance Bond Amount	\$	

Site Plan Approval

Approval of these plans is for construction of road and drainage improvements, site drainage & grading and temporary erosion control in unincorporated King County only. These plans do not authorize any other utility approval or improvements proposed in any State right of way.

Site plan approval is void if the commercial building permit has not been obtained or renewed within two years of approval.

Subdivision plan approval is void if the final plat is not recorded prior to the preliminary plat approval expiration.

PRO RATA SHARE ASSESSMENT ANALYSIS
(County Use Only)

Section	Township	Range	Tax Parcel	Number

Site Location is within the _____ drainage shed(s)

Pro Rata Share Assessment(s) are: ☐ Required ☐ Not Required

from the site due to development for increased storm water runoff.

Peak Runoff Assessment Rate(\$ _____) per c.f.s. increases.(10 year, 2 hour storm)

Peak Volume Assessment Rate(\$ _____) per Ac. Ft. increases.(2 year, 2 hour storm)

AGREEMENTS, PLAN REFERENCES, PERMITS ETC.
(To be completed by Consultant)

Preliminary Plat Approval/Permit Issued Date: _____

Expiration Date: _____

Other Related Permit Numbers Received:

Right-of-Way Use Permit _____

Grading _____

Building/Structural _____

Other _____

Board feet of tree removal on site: _____

Cubic yards of material hauled (on/off the site: _____

Is this a highly sensitive area site? (Yes/No): _____

Note: If "yes", per SWDM Appendix D44 a Highly Sensitive Site Erosion Control Supervisor is required. See ESC plan.

Emergency
911
Police-Fire-Rescue

RECOMMENDED FOR APPROVAL
(To be completed by King County)

Date _____

Review Engineer _____

Senior Engineer _____

Traffic & Planning Engineer _____

Sensitive Areas _____

Structural Review Engineer _____

Other _____

APPROVED FOR CONSTRUCTION
DEPARTMENT OF PERMITTING & ENVIRONMENTAL REVIEW

Date _____ SCOTT SMITH, P.E.
Development Engineer

PROJECT CONTACT INFORMATION
(To be completed by Consultant)

Applicant Contract Owner Lease PALMER COKING COAL

Name _____ Phone _____

P.O. BOX 10/31407 HIGHWAY 169 BLACK DIAMOND, WA 98010

☐ ☐ Address and Zip Code

Ownership Owner Trustee PALMER COKING COAL

Name _____ Phone _____

P.O. BOX 10/31407 HIGHWAY 169 BLACK DIAMOND, WA 98010

☐ ☐ Address and Zip Code

☐ A Partnership
☐ An Individual

Certified Surveyor Engineer ESM CONSULTING ENGINEERS, L.L.C.

Name _____ Phone _____

33400 8TH AVE S, SUITE 205 FEDERAL WAY, WA 98003

☒ ☒ Address and Zip Code

☐ A Corporation
☒ A Partnership
☐ An Individual
(253)838-6113

ESM CONSULTING ENGINEERS, LLC
33400 8th Avenue S, Suite 205
Federal Way, WA 98003
(253) 838-6113
(253) 297-9900
EVERETT

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Civil Engineering
Public Works

Land Planning
Landscape Architecture
Project Management
Land Surveying

PALMER COKING COAL

HYDE MINE

COVER SHEET

WASHINGTON

KING COUNTY

DPER FILE NUMBERS:

Activity Number: _____

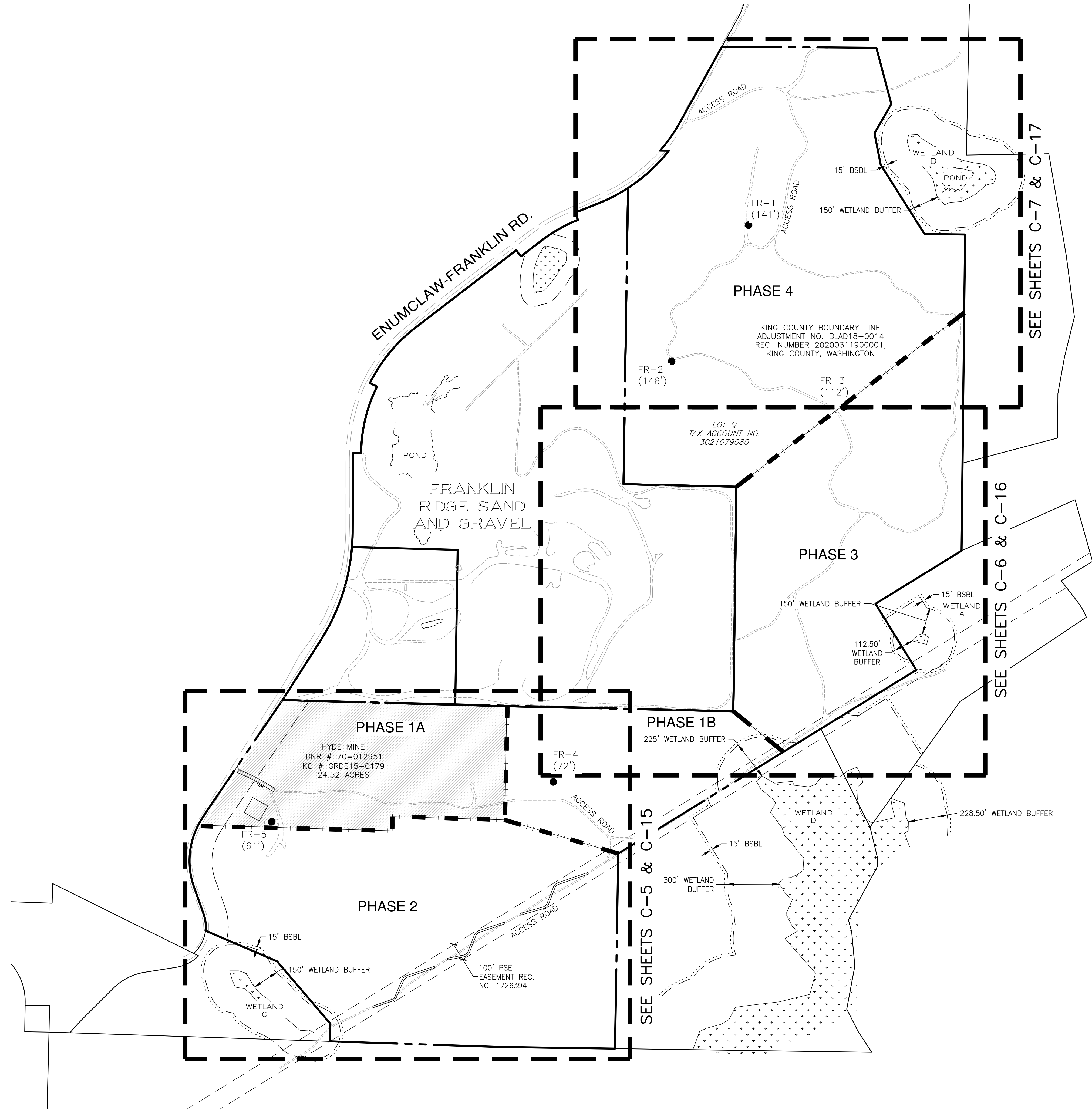
Project Number: _____

Development No: _____

08/30/2024

Sheet 1 of 14

40111
REGISTERED
PROFESSIONAL ENGINEER
LISA G. BARTHELEME
STATE OF WASHINGTON

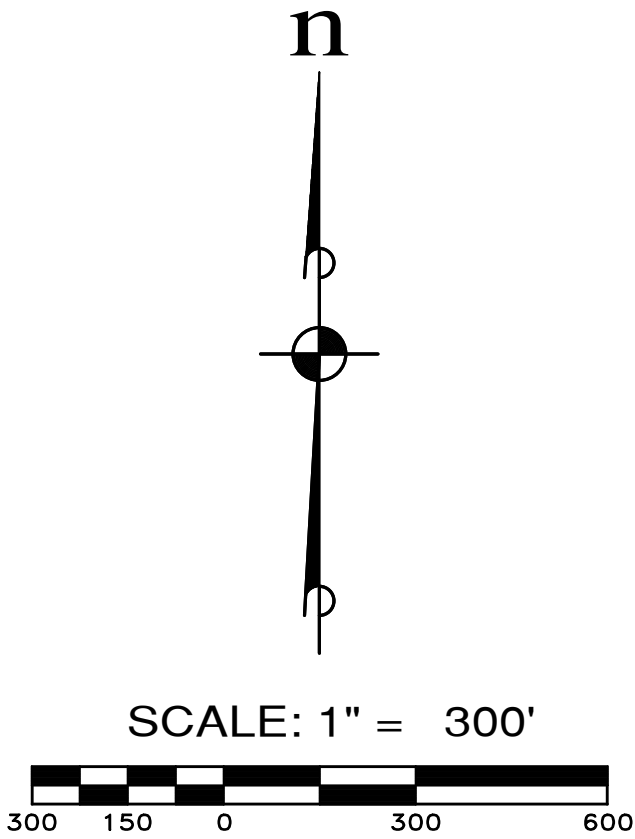


LEGEND

- FR-X ● DRILL HOLE
- — — — — PROPERTY BOUNDARY
- - - - - PHASE LINE
- - - - - EXISTING ACCESS ROAD
- - - - - WETLAND BUFFER
- - - - - BUILDING SETBACK LINE (BSBL)

NOTES:

1. SEE SHEETS C-9 THRU C-10 FOR GEOLOGY CROSS SECTIONS.



KING COUNTY DPER APPROVAL

Review Engineer _____	Date _____
Senior Engineer _____	Date _____
Scott Smith, P.E. DEVELOPMENT ENGINEER	Date _____

REVISIONS		
NO.	DESCRIPTION/DATE	BY

08/30/2024

CONSULTING ENGINEERS, LLC
33400 8th Ave S, Suite 205
Federal Way, WA 98003
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08/30/2024

Civil Engineering
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PALMER COKING COAL

HYDE MINE

OVERALL SITE PLAN & KEY MAP

KING COUNTY

WASHINGTON

JOB NO.: 1960-001-017

DWG. NAME: C-2

DESIGNED BY: LGB

DRAWN BY: CJR

CHECKED BY:

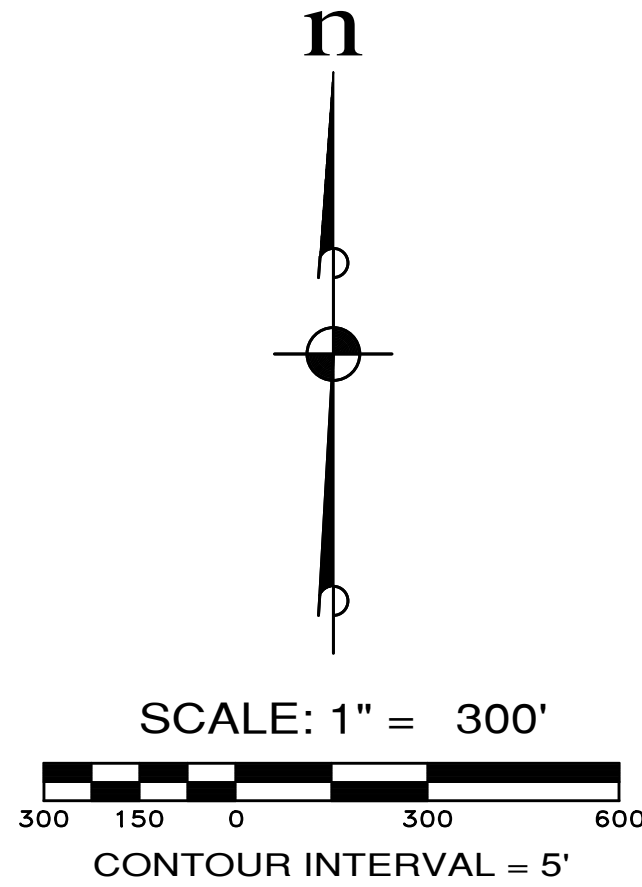
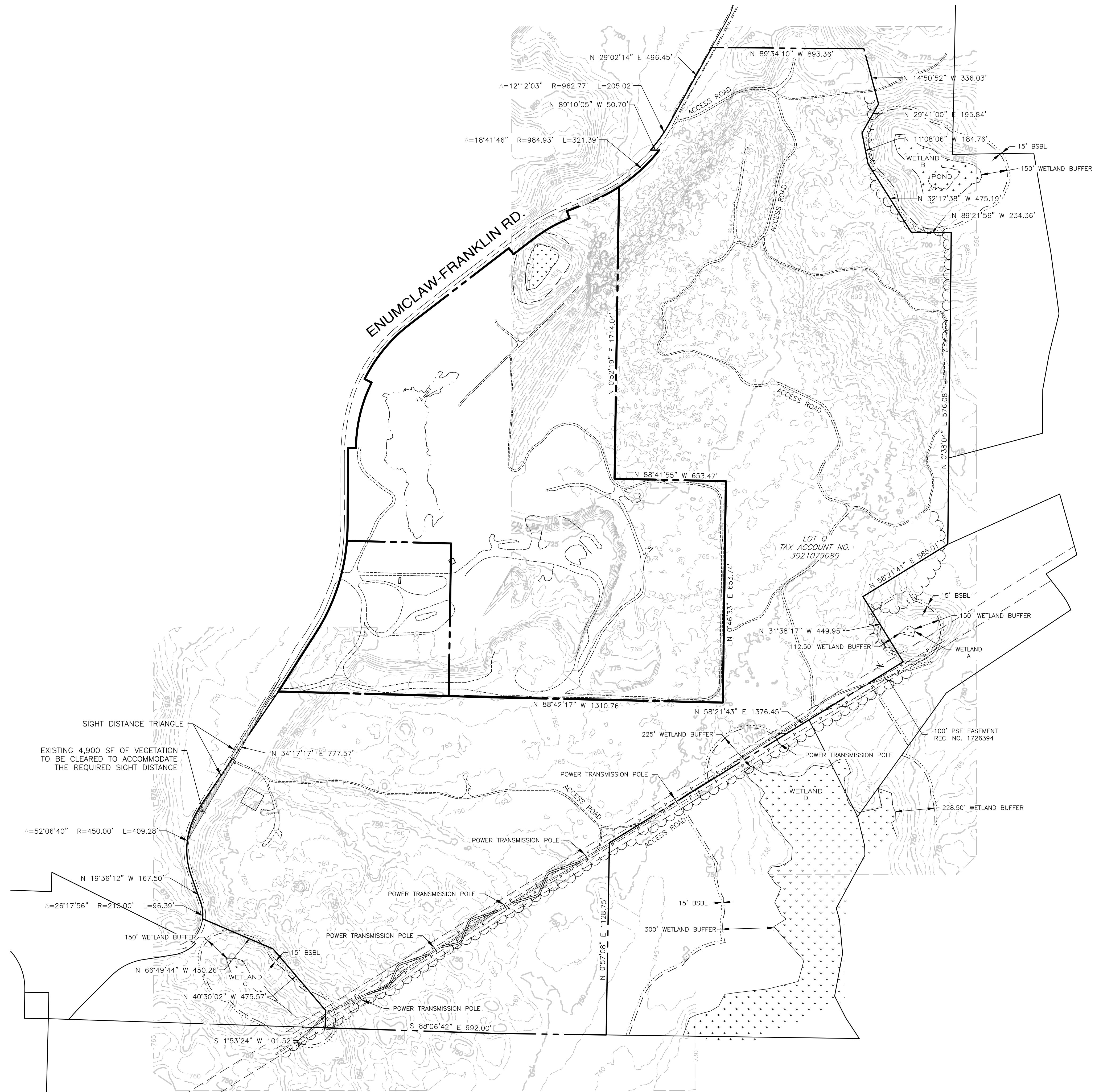
DATE: 06/20/2024

DATE OF PRINT:

C-2

2 OF 14 SHEETS

A PORTION OF SECTION 30, T. 21 N., R. 7 E., W.M., KING COUNTY, WASHINGTON



LEGEND

- PROPERTY BOUNDARY
- EXISTING ACCESS ROAD
- EXISTING CONTOUR
- WETLAND BUFFER
- BUILDING SETBACK LINE (BSBL)
- EDGE OF EX. VEGETATION



Know what's below.
Call before you dig.

KING COUNTY DPOR APPROVAL

Review Engineer	Date
Senior Engineer	Date
Scott Smith, P.E. DEVELOPMENT ENGINEER	Date

REVISIONS		
NO.	DESCRIPTION/DATE	BY

ESM CONSULTING ENGINEERS, LLC

33400 8th Ave S, Suite 205
Federal Way, WA 98003

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REGISTERED PROFESSIONAL ENGINEER
08/30/2024

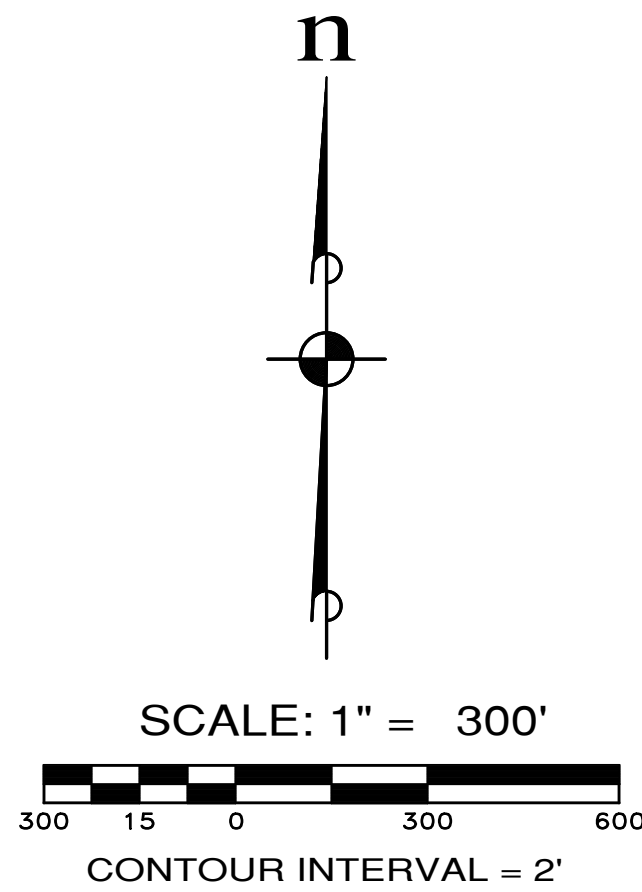
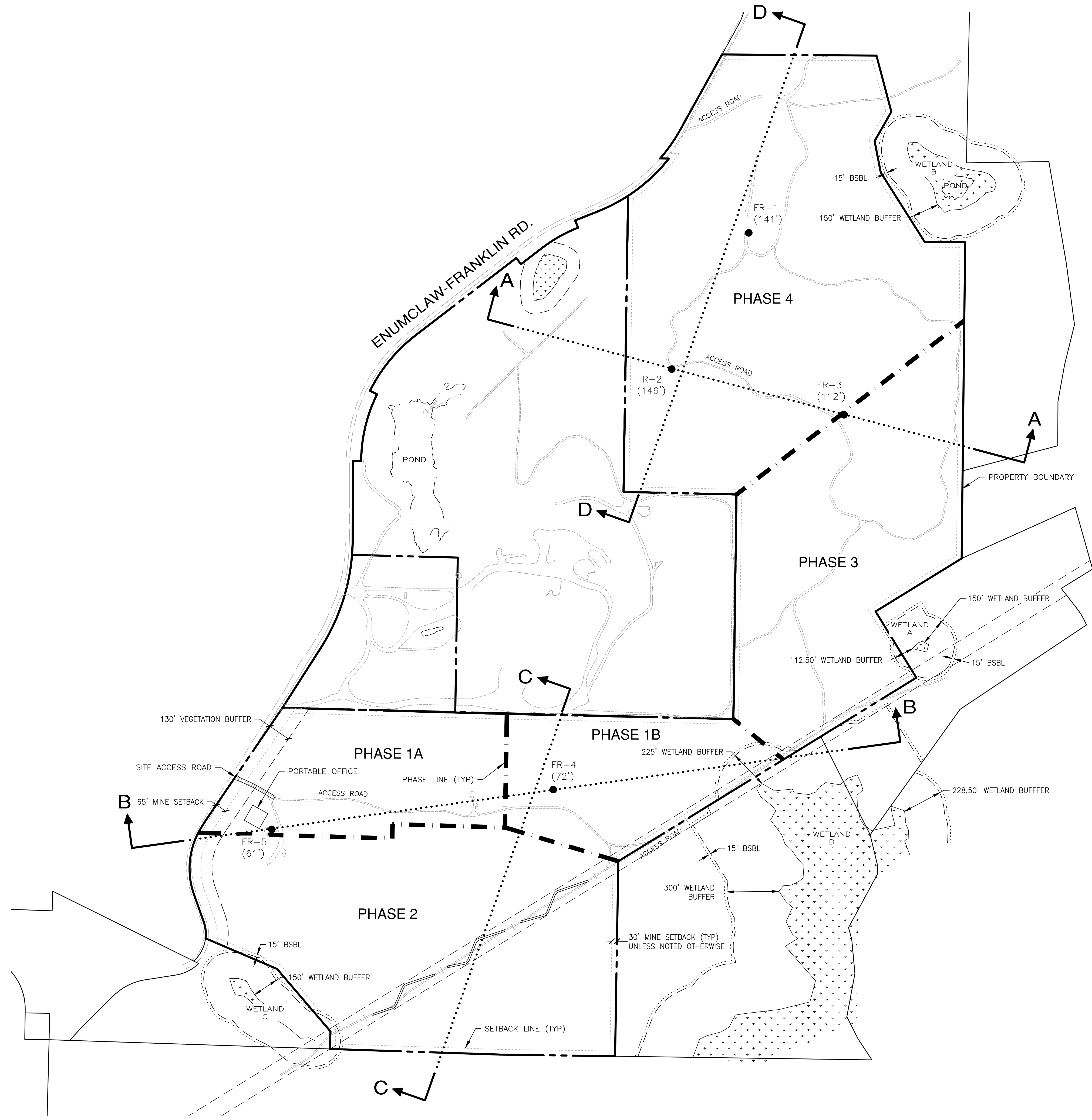
PALMER COKING COAL

HYDE MINE

EXISTING CONDITIONS

KING COUNTY

JOB NO.:	1960-001-017
DWG. NAME:	C-3
DESIGNED BY:	LGB
DRAWN BY:	CJR
CHECKED BY:	
DATE:	06/20/2024
DATE OF PRINT:	
C-3	
3	OF 14 SHEETS



KING COUNTY DPOR APPROVAL

Review Engineer	Date
Senior Engineer	Date
Scott Smith, P.E. DEVELOPMENT ENGINEER	Date

REVISIONS		
NO.	DESCRIPTION/DATE	BY

PAUL G. BARTENBERGER
STATE OF WASHINGTON
REGISTERED PROFESSIONAL ENGINEER
10111
08/30/2024

ESM CONSULTING ENGINEERS, LLC
33400 8th Ave S, Suite 205
Federal Way, WA 98003
www.esmcivil.com

PAUL G. BARTENBERGER
STATE OF WASHINGTON
REGISTERED PROFESSIONAL ENGINEER
10111
08/30/2024

Civil Engineering
Public Works

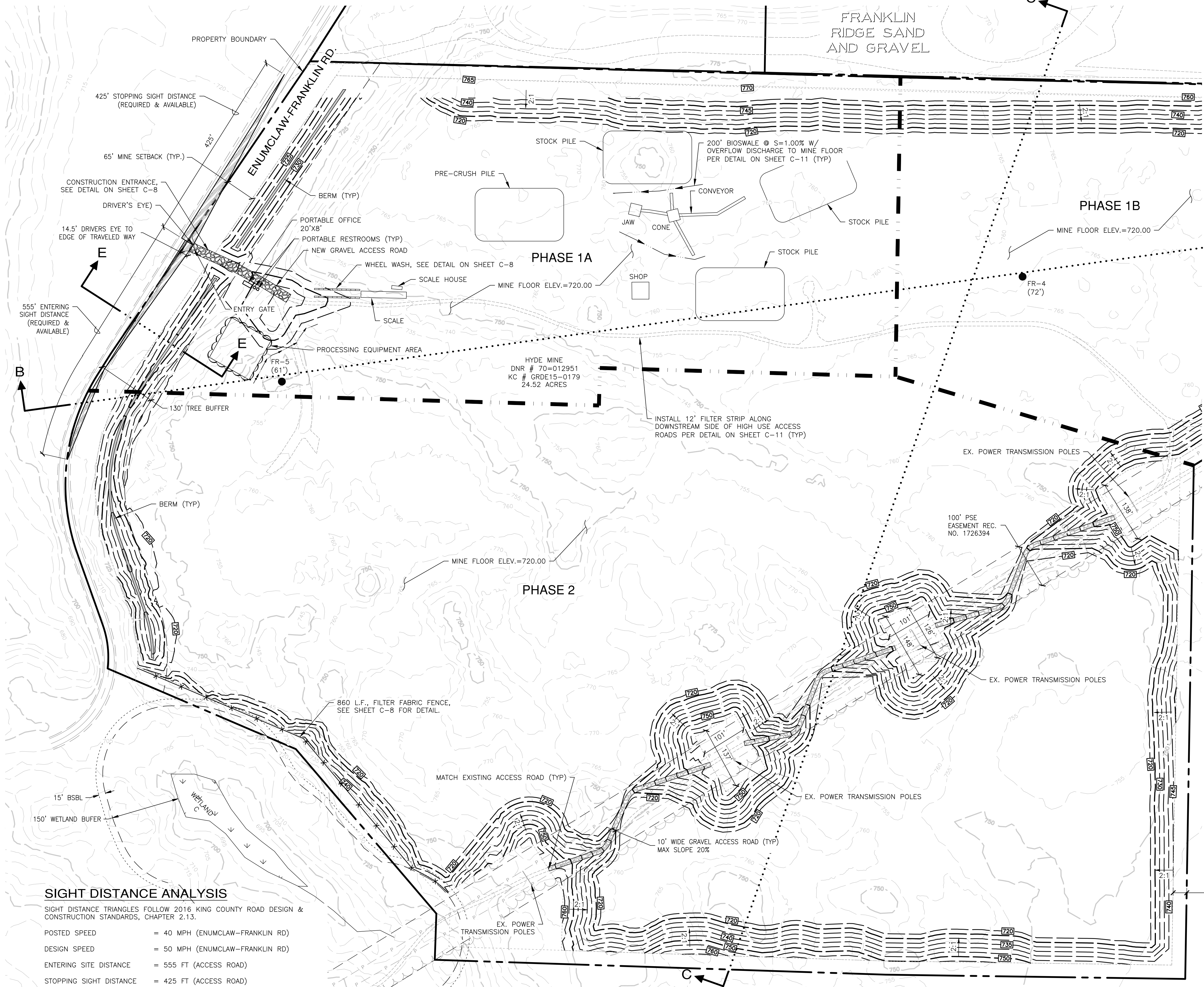
Land Surveying
Project Management

Land Planning
Landscape Architecture

PALMER COKING COAL
HYDE MINE
PHASING PLAN

KING COUNTY
WASHINGTON

A PORTION OF SECTION 30, T. 21 N., R. 7 E., W.M., KING COUNTY, WASHINGTON



SIGHT DISTANCE ANALYSIS

SIGHT DISTANCE TRIANGLES FOLLOW 2016 KING COUNTY ROAD DESIGN & CONSTRUCTION STANDARDS, CHAPTER 2.13.

POSTED SPEED = 40 MPH (ENUMCLAW-FRANKLIN RD)

DESIGN SPEED = 50 MPH (ENUMCLAW-FRANKLIN RD)

ENTERING SITE DISTANCE = 555 FT (ACCESS ROAD)

STOPPING SIGHT DISTANCE = 425 FT (ACCESS ROAD)

DRIVER'S EYE IS SET AT 14.5' BACK FROM OUTSIDE EDGE OF TRAVELED WAY.

- LEGEND**
- FR-X ● DRILL HOLE
 - PROPERTY BOUNDARY
 - - - PHASE LINE
 - 750- CONTOUR (MINOR)
 - 700- CONTOUR (MAJOR)
 - DAYLIGHT LINE
 - ~ CUTOFF SWALE
 - INTERCEPTOR DITCH
 - x x x FILTER FABRIC FENCE
 - CONSTRUCTION ENTRANCE
 - P - P - EX. OVERHEAD POWER LINE
 - EXISTING ACCESS ROAD
 - 700 EXISTING CONTOUR
 - WETLAND BUFFER
 - BUILDING SETBACK LINE (BSBL)
 - EDGE OF EX. VEGETATION

NOTES:

1. SEE SHEETS C-9 & C-10 FOR CROSS SECTIONS.



KING COUNTY DP&R APPROVAL	
Review Engineer	Date
Senior Engineer	Date
Scott Smith, P.E. DEVELOPMENT ENGINEER	Date

REVISIONS			
NO.	DESCRIPTION/DATE	BY	

08/30/2024

CONSULTING ENGINEERS, LLC

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Federal Way, WA 98003

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PALMER COKING COAL

HYDE MINE

MINING EXCAVATION & T.E.S.C. PLAN

WASHINGTON

KING COUNTY

JOB NO.: 1960-001-017

DWG. NAME: C-5

DESIGNED BY: LGB

DRAWN BY: CJR

CHECKED BY:

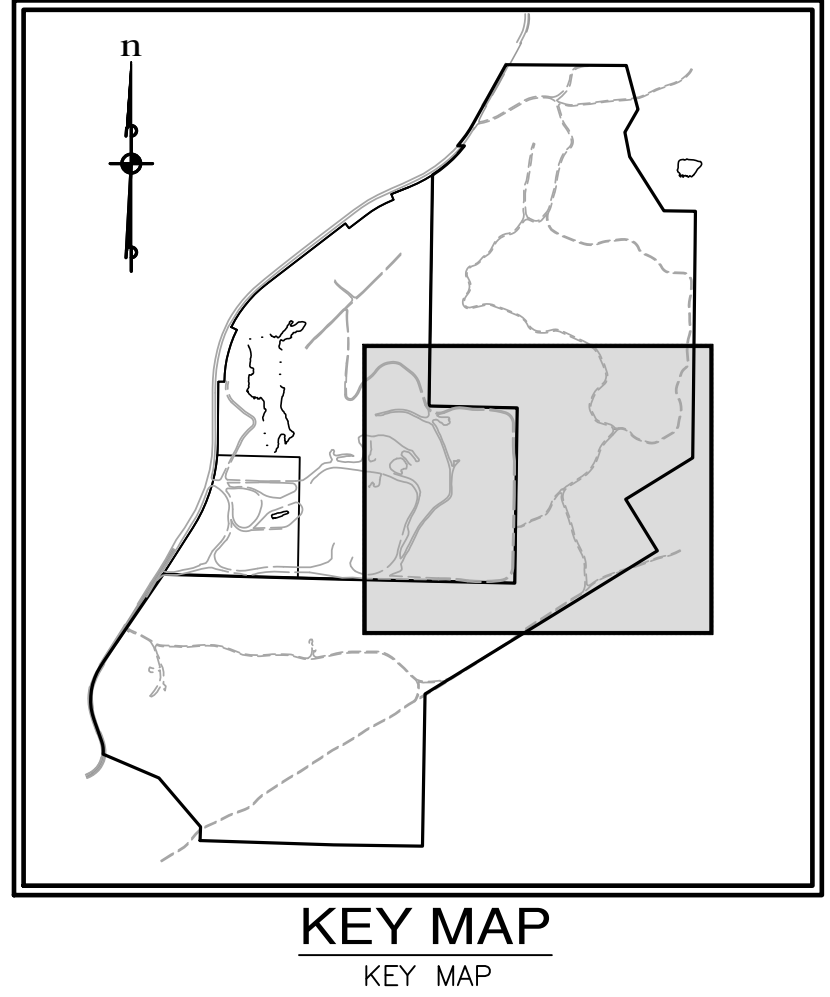
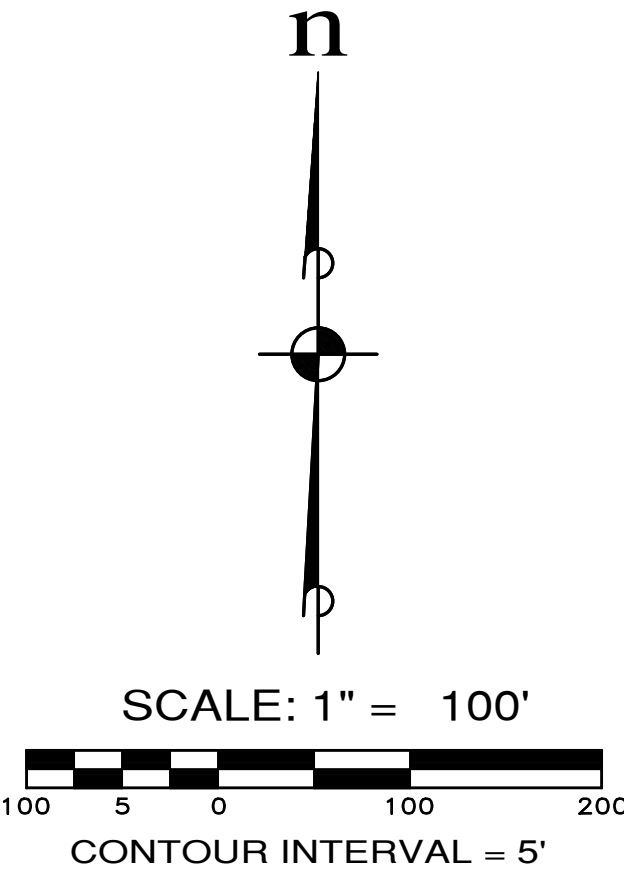
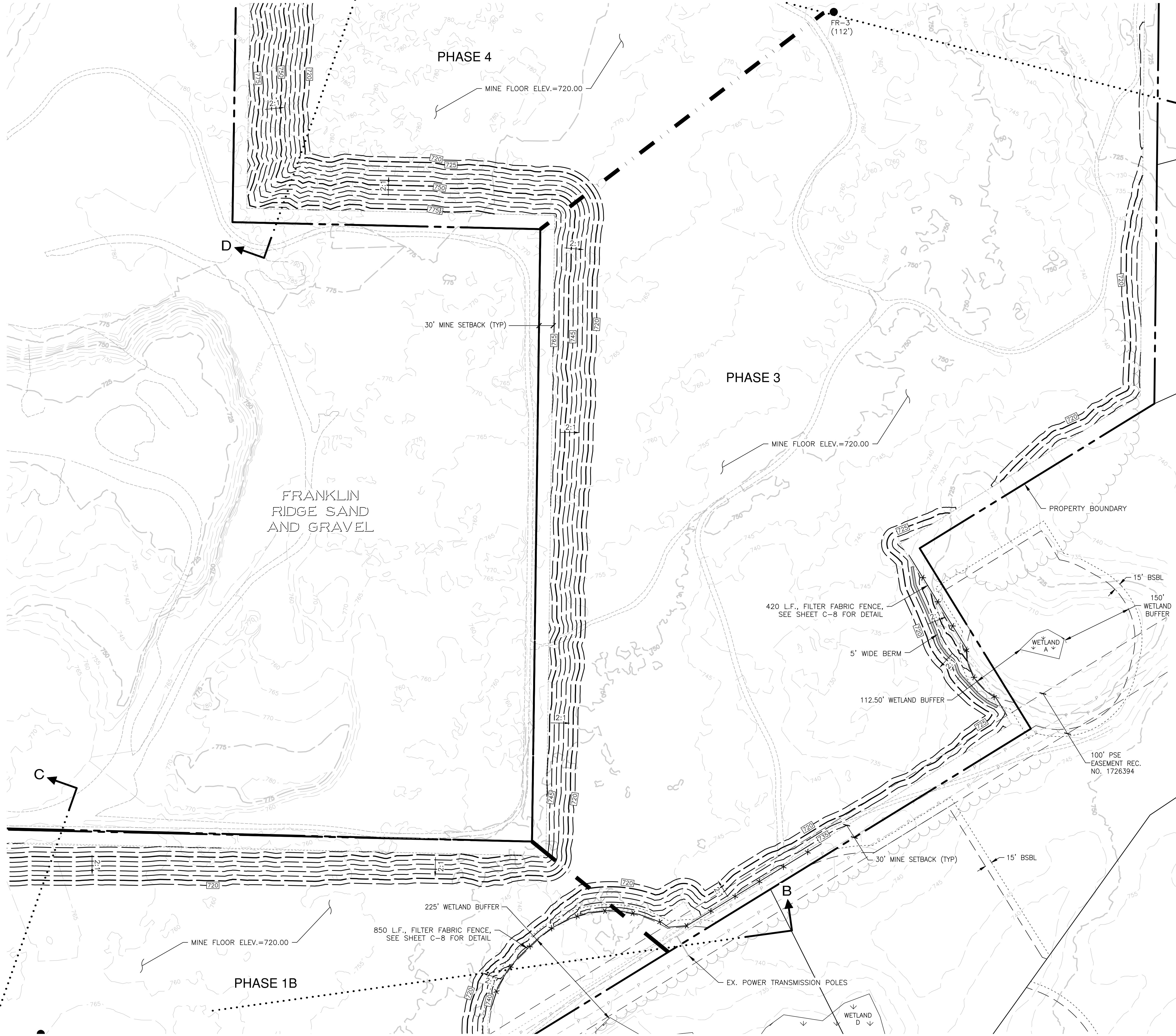
DATE: 06/20/2024

DATE OF PRINT:

C-5

5 OF 14 SHEETS

A PORTION OF SECTION 30, T. 21 N., R. 7 E., W.M., KING COUNTY, WASHINGTON



- LEGEND**
- FR-X ● DRILL HOLE
 - PROPERTY BOUNDARY
 - - - PHASE LINE
 - [750] - CONTOUR (MINOR)
 - [700] - CONTOUR (MAJOR)
 - DAYLIGHT LINE
 - ~ CUTOFF SWALE
 - - - INTERCEPTOR DITCH
 - x - x - FILTER FABRIC FENCE
 - [] CONSTRUCTION ENTRANCE
 - EXISTING ACCESS ROAD
 - 700 - EXISTING CONTOUR
 - - - WETLAND BUFFER
 - BUILDING SETBACK LINE (BSBL)
 - - - EDGE OF EX. VEGETATION

NOTES:

- SEE SHEETS C-9 & C-10 FOR CROSS SECTIONS.



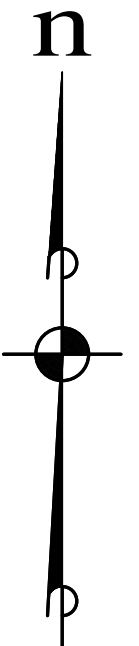
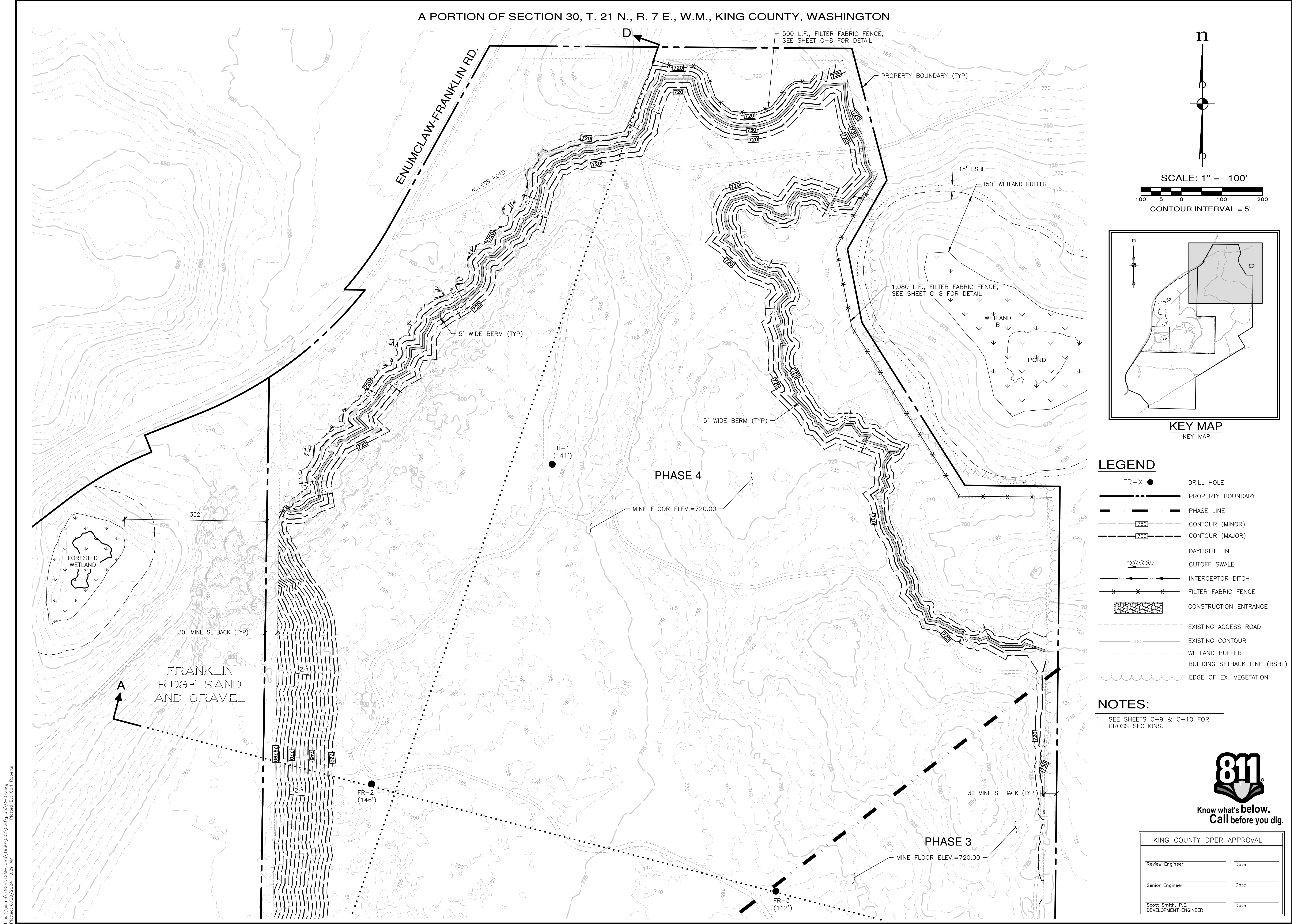
KING COUNTY DP&R APPROVAL

Review Engineer	Date
Senior Engineer	Date
Scott Smith, P.E. DEVELOPMENT ENGINEER	Date

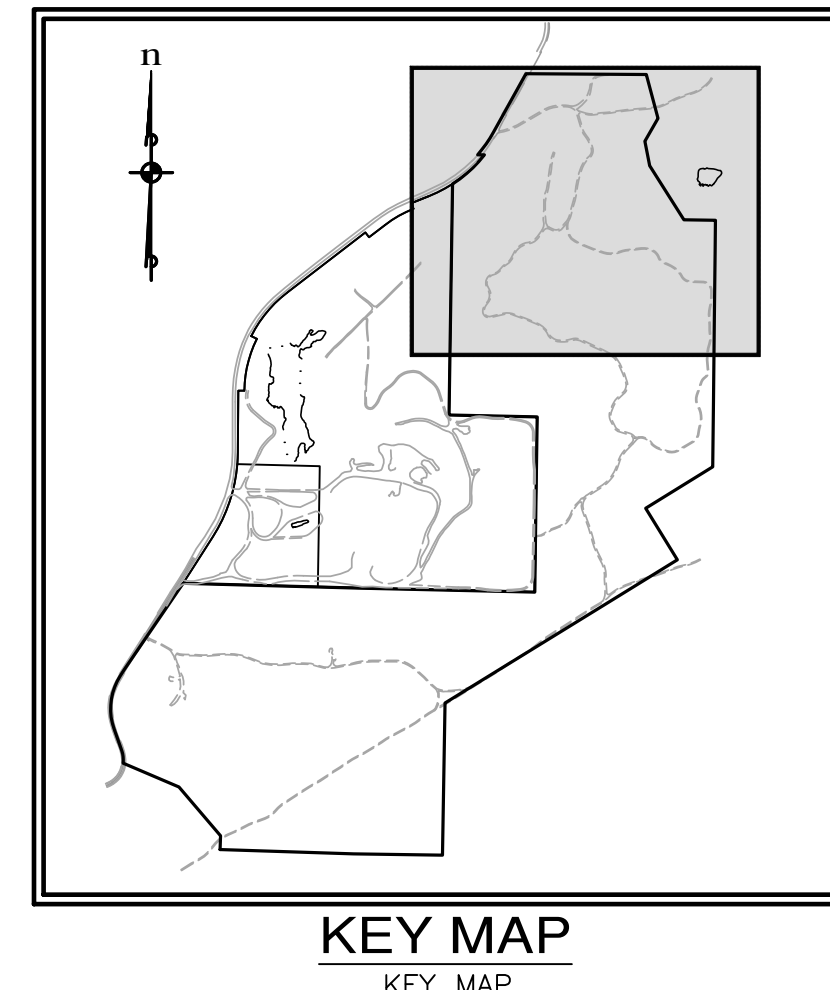
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Plotted By: Cori Roberts

REVISIONS			
NO.	DESCRIPTION/DATE	BY	
ESM CONSULTING ENGINEERS, LLC 33400 8th Ave S, Suite 205 Federal Way, WA 98003 www.esmcivil.com		PHILIP G. BARTHELME REGISTERED PROFESSIONAL ENGINEER LAND SURVEYING PROJECT MANAGEMENT LAND PLANNING LANDSCAPE ARCHITECTURE	
PALMER COKING COAL		WASHINGTON	
HYDE MINE		KING COUNTY	
MINING EXCAVATION & T.E.S.C. PLAN			
JOB NO.: 1960-001-017			
DWG. NAME: C-6			
DESIGNED BY: LGB			
DRAWN BY: CJR			
CHECKED BY:			
DATE: 06/20/2024			
DATE OF PRINT:			
C-6			
6 OF 14 SHEETS			

A PORTION OF SECTION 30, T. 21 N., R. 7 E., W.M., KING COUNTY, WASHINGTON



SCALE: 1" = 100'
100 5 0 100 200
CONTOUR INTERVAL = 5'



- LEGEND**
- FR-X ● DRILL HOLE
 - PROPERTY BOUNDARY
 - - - PHASE LINE
 - - - 750 CONTOUR (MINOR)
 - - - 700 CONTOUR (MAJOR)
 - - - DAYLIGHT LINE
 - ~ CUTOFF SWALE
 - INTERCEPTOR DITCH
 - x x x FILTER FABRIC FENCE
 - CONSTRUCTION ENTRANCE
 - - - EXISTING ACCESS ROAD
 - - - 700 EXISTING CONTOUR
 - - - WETLAND BUFFER
 - - - BUILDING SETBACK LINE (BSBL)
 - ~ EDGE OF EX. VEGETATION

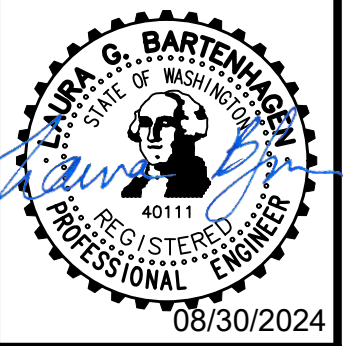
NOTES:

1. SEE SHEETS C-9 & C-10 FOR CROSS SECTIONS.



KING COUNTY DP&R APPROVAL	
Review Engineer	Date
Senior Engineer	Date
Scott Smith, P.E. DEVELOPMENT ENGINEER	Date

REVISIONS			
NO.	DESCRIPTION/DATE	BY	



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33400 8th Ave S, Suite 205
Federal Way, WA 98003
www.esmcivil.com

REGISTERED PROFESSIONAL ENGINEER
LAND SURVEYING
LAND PLANNING
LANDSCAPE ARCHITECTURE
PUBLIC WORKS
PROJECT MANAGEMENT

PALMER COKING COAL

HYDE MINE

MINING EXCAVATION & T.E.S.C. PLAN

KING COUNTY WASHINGTON

JOB NO.: 1960-001-017
DWG. NAME: C-7
DESIGNED BY: LGB
DRAWN BY: CJR
CHECKED BY:
DATE: 06/20/2024
DATE OF PRINT:
C-7
7 OF 14 SHEETS

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Printed: 6/20/2024 10:28 AM
Printed By: Cori Roberts

1. APPROVAL OF THIS EROSION AND SEDIMENTATION CONTROL (ESC) PLAN DOES NOT CONSTITUTE AN APPROVAL OF PERMANENT ROAD OR DRAINAGE DESIGN (E.G. SIZE AND LOCATION OF ROADS, PIPES, RESTRICTORS, CHANNELS, RETENTION FACILITIES, UTILITIES, ETC.)
2. THE IMPLEMENTATION OF THESE ESC PLANS AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT, AND UPGRADING OF THESE ESC FACILITIES IS THE RESPONSIBILITY OF THE APPLICANT/ESC SUPERVISOR UNTIL ALL CONSTRUCTION IS APPROVED.
3. THE BOUNDARIES OF THE CLEARING LIMITS SHOWN ON THIS PLAN SHALL BE CLEARLY FLAGGED BY SURVEY TAPE OR FENCING, IF REQUIRED, PRIOR TO CONSTRUCTION (SWDM APPENDIX D). DURING THE CONSTRUCTION PERIOD, NO DISTURBANCE BEYOND THE CLEARING LIMITS SHALL BE PERMITTED. THE CLEARING LIMITS SHALL BE MAINTAINED BY THE APPLICANT/ESC SUPERVISOR FOR THE DURATION OF CONSTRUCTION.
4. STABILIZED CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES, SUCH AS CONSTRUCTED WHEEL WASH SYSTEMS OR WASH PADS, MAY BE REQUIRED TO ENSURE THAT ALL PAVED AREAS ARE KEPT CLEAN AND TRACK OUT TO ROAD RIGHT OF WAY DOES NOT OCCUR FOR THE DURATION OF THE PROJECT.
5. THE ESC FACILITIES SHOWN ON THIS PLAN MUST BE CONSTRUCTED PRIOR TO OR IN CONJUNCTION WITH ALL CLEARING AND GRADING SO AS TO ENSURE THAT THE TRANSPORT OF SEDIMENT TO SURFACE WATERS, DRAINAGE SYSTEMS, AND ADJACENT PROPERTIES IS MINIMIZED.
6. THE ESC FACILITIES SHOWN ON THIS PLAN ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD, THESE ESC FACILITIES SHALL BE UPGRADED AS NEEDED FOR UNEXPECTED STORM EVENTS AND MODIFIED TO ACCOUNT FOR CHANGING SITE CONDITIONS (E.G. ADDITIONAL COVER MEASURES, ADDITIONAL SUMP PUMPS, RELOCATION OF DITCHES AND SILT FENCES, PERIMETER PROTECTION ETC.).
7. THE ESC FACILITIES SHALL BE INSPECTED DAILY BY THE APPLICANT/ESC SUPERVISOR AND MAINTAINED TO ENSURE CONTINUED PROPER FUNCTIONING. WRITTEN RECORDS SHALL BE KEPT OF WEEKLY REVIEWS OF THE ESC FACILITIES.
8. ANY AREAS OF EXPOSED SOILS, INCLUDING ROADWAY EMBANKMENTS, THAT WILL NOT BE DISTURBED FOR TWO DAYS DURING THE WET SEASON OR SEVEN DAYS DURING THE DRY SEASON SHALL BE IMMEDIATELY STABILIZED WITH THE APPROVED ESC COVER METHODS (E.G., SEEDING, MULCHING, PLASTIC COVERING, ETC.).
9. ANY AREA NEEDING ESC MEASURES, NOT REQUIRING IMMEDIATE ATTENTION, SHALL BE ADDRESSED WITHIN SEVEN (7) DAYS.
10. THE ESC FACILITIES ON INACTIVE SITES SHALL BE INSPECTED AND MAINTAINED A MINIMUM OF ONCE A MONTH OR WITHIN 24 HOURS FOLLOWING A STORM EVENT.
11. AT NO TIME SHALL MORE THAN ONE (1) FOOT OF SEDIMENT BE ALLOWED TO ACCUMULATE WITHIN A CATCH BASIN. ALL CATCH BASINS AND CONVEYANCE LINES SHALL BE CLEANED PRIOR TO PAVING. THE CLEANING OPERATION SHALL NOT FLUSH SEDIMENT-LADEN WATER INTO THE DOWNSTREAM SYSTEM.
12. ANY PERMANENT RETENTION/DETENTION FACILITY USED AS A TEMPORARY SETTLING BASIN SHALL BE MODIFIED WITH THE NECESSARY EROSION CONTROL MEASURES AND SHALL PROVIDE ADEQUATE STORAGE CAPACITY. IF THE PERMANENT FACILITY IS TO FUNCTION ULTIMATELY AS AN INFILTRATION SYSTEM, THE TEMPORARY FACILITY MUST BE ROUGH GRADED SO THAT THE BOTTOM AND SIDES ARE AT LEAST THREE FEET ABOVE THE FINAL GRADE OF THE PERMANENT FACILITY.
13. COVER MEASURES WILL BE APPLIED IN CONFORMANCE WITH APPENDIX O OF THE SURFACE WATER DESIGN MANUAL.
14. PRIOR TO THE BEGINNING OF THE WET SEASON (OCT. 1), ALL DISTURBED AREAS SHALL BE REVIEWED TO IDENTIFY WHICH ONES CAN BE SEEDED IN PREPARATION FOR THE WINTER RAINS. DISTURBED AREAS SHALL BE SEEDED WITHIN ONE WEEK OF THE BEGINNING OF THE WET SEASON. A SKETCH MAP OF THOSE AREAS TO BE SEEDED AND THOSE AREAS TO REMAIN UNCOVERED SHALL BE SUBMITTED TO THE DDES INSPECTOR FOR REVIEW.



WET SEASON SPECIAL PROVISIONS WERE OBTAINED FROM THE 2016 SURFACE WATER DESIGN MANUAL – APPENDIX D. ALL OF THE FOLLOWING PROVISIONS FOR WET SEASON CONSTRUCTION ARE DETAILED IN THE REFERENCED SECTIONS. THESE REQUIREMENTS ARE LISTED HERE FOR THE CONVENIENCE OF THE DESIGNER AND THE REVIEWER.

1. THE ALLOWED TIME THAT A DISTURBED AREA MAY REMAIN UNWORKED WITHOUT COVER MEASURES IS REDUCED TO TWO CONSECUTIVE WORKING DAYS, RATHER THAN SEVEN (SECTION D.2.1.2).
2. STOCKPILES AND STEEP CUT AND FILL SLOPES ARE TO BE PROTECTED IF UNWORKED FOR MORE THAN 12 HOURS (SECTION D.2.1.2).
3. COVER MATERIALS SUFFICIENT TO COVER ALL DISTURBED AREAS SHALL BE STOCKPILED ON SITE (SECTION D.2.1.2).
4. ALL AREAS THAT ARE TO BE UNWORKED DURING THE WET SEASON SHALL BE SEEDED WITHIN ONE WEEK OF THE BEGINNING OF THE WET SEASON (SECTION D.2.1.2.6).
5. MULCH IS REQUIRED TO PROTECT ALL SEEDED AREAS (SECTION D.2.1.2.2).
6. FIFTY LINEAR FEET OF SILT FENCE (AND THE NECESSARY STAKES) PER ACRE OF DISTURBANCE MUST BE STOCKPILED ON SITE (SECTION D.2.1.3.1).
7. CONSTRUCTION ROAD AND PARKING LOT STABILIZATION ARE REQUIRED FOR ALL SITES UNLESS THE SITE IS UNDERLAIN BY COARSE-GRAINED SOIL (SECTION D.2.1.4.2).
8. SEDIMENT RETENTION IS REQUIRED UNLESS NO OFFSITE DISCHARGE IS ANTICIPATED FOR THE SPECIFIED DESIGN FLOW (SECTION D.2.1.5).
9. SURFACE WATER CONTROLS ARE REQUIRED UNLESS NO OFFSITE DISCHARGE IS ANTICIPATED FOR THE SPECIFIED DESIGN FLOW (SECTION D.2.1.6).
10. PHASING AND MORE CONSERVATIVE BMPs MUST BE EVALUATED FOR CONSTRUCTION ACTIVITY NEAR SURFACE WATERS (SECTION D.2.4.3).
11. ANY RUNOFF GENERATED BY DEWATERING MAY BE REQUIRED TO DISCHARGE TO THE SANITARY SEWER (WITH APPROPRIATE DISCHARGE AUTHORIZATION), PORTABLE SAND FILTER SYSTEMS, OR HOLDING TANKS.
12. THE FREQUENCY OF MAINTENANCE REVIEW INCREASES FROM MONTHLY TO WEEKLY (SECTION D.2.4.4).

1. NO LIQUIDS, INCLUDING PETROLEUM PRODUCTS, FUEL, SOLVENTS DETERGENTS, PAINT, PESTICIDES, CONCRETE ADMIXTURES, FORM OILS, ETC. SHALL BE STORED ON SITE.
2. CONSTRUCTION MATERIALS AND WASTES SHALL BE STORED AT THE POTENTIAL STOCKPILE AREA SHOWN ON THESE PLANS.
3. ALL FUELING SHALL BE PROVIDED BY A FUELING TRUCK. NO FUEL SHALL BE STORED ON SITE.
4. ALL VEHICLE MAINTENANCE AND REPAIRS SHALL BE DONE OFFSITE.
5. CONCRETE WASTE SHALL BE HANDLED AS LISTED:
 - A. UNUSED CONCRETE REMAINING IN THE TRUCK AND PUMP SHALL BE RETURNED TO ORIGINATING BATCH PLANT FOR RECYCLING.
 - B. CONCRETE TRUCK CHUTES, PUMPS, INTERNALS, HAND TOOLS INCLUDING, BUT NOT LIMITED TO SCREEDS, SHOVELS, RAKES, FLOATS , AND TROWELS SHALL BE WASHED OFF ONLY INTO FORMED AREAS AWAITING INSTALLATION OF CONCRETE OR ASPHALT.
 - C. EQUIPMENT THAT CANNOT BE EASILY MOVED, SUCH AS CONCRETE PAVERS, SHALL ONLY BE WASHED IN AREAS THAT DO NOT DIRECTLY DRAIN TO NATURAL OR CONSTRUCTED STORMWATER CONVEYANCES.
 - D. WHEN NO FORMED AREAS ARE AVAILABLE, CONCRETE WASTE SHALL BE DISCHARGED TO A PAVED OR LINED SUMP. SEE THESE PLANS FOR LOCATION OF THE SUMP. WASTE WATER WITHIN THE SUMP SHALL EITHER BE NEUTRALIZED PRIOR TO DISCHARGE TO THE SEDIMENTATION FACILITY OR DISPOSED OF IN A MANNER THAT DOES NOT VIOLATE GROUNDWATER OR SURFACE WATER QUALITY STANDARDS.
6. SLURRY, CUTTINGS AND PROCESS WATER FROM SAWCUTTING AND SURFACING SHALL BE DISCHARGED TO FORMED AREAS AWAITING INSTALLATION OF CONCRETE OR ASPHALT OR TO PAVED OR LINED SUMP.
7. THE CONTRACTOR SHALL DESIGNATE A PERSON AS THE RESPONSIBLE REPRESENTATIVE IN CHARGE OF EROSION CONTROL AND MAINTENANCE OF ALL EROSION CONTROL AND STORMWATER POLLUTION PREVENTION FACILITIES.






KING COUNTY DP&R APPROVAL	
Review Engineer _____	Date _____
Senior Engineer _____	Date _____
Scott Smith, P.E. DEVELOPMENT ENGINEER	Date _____

[illegible]

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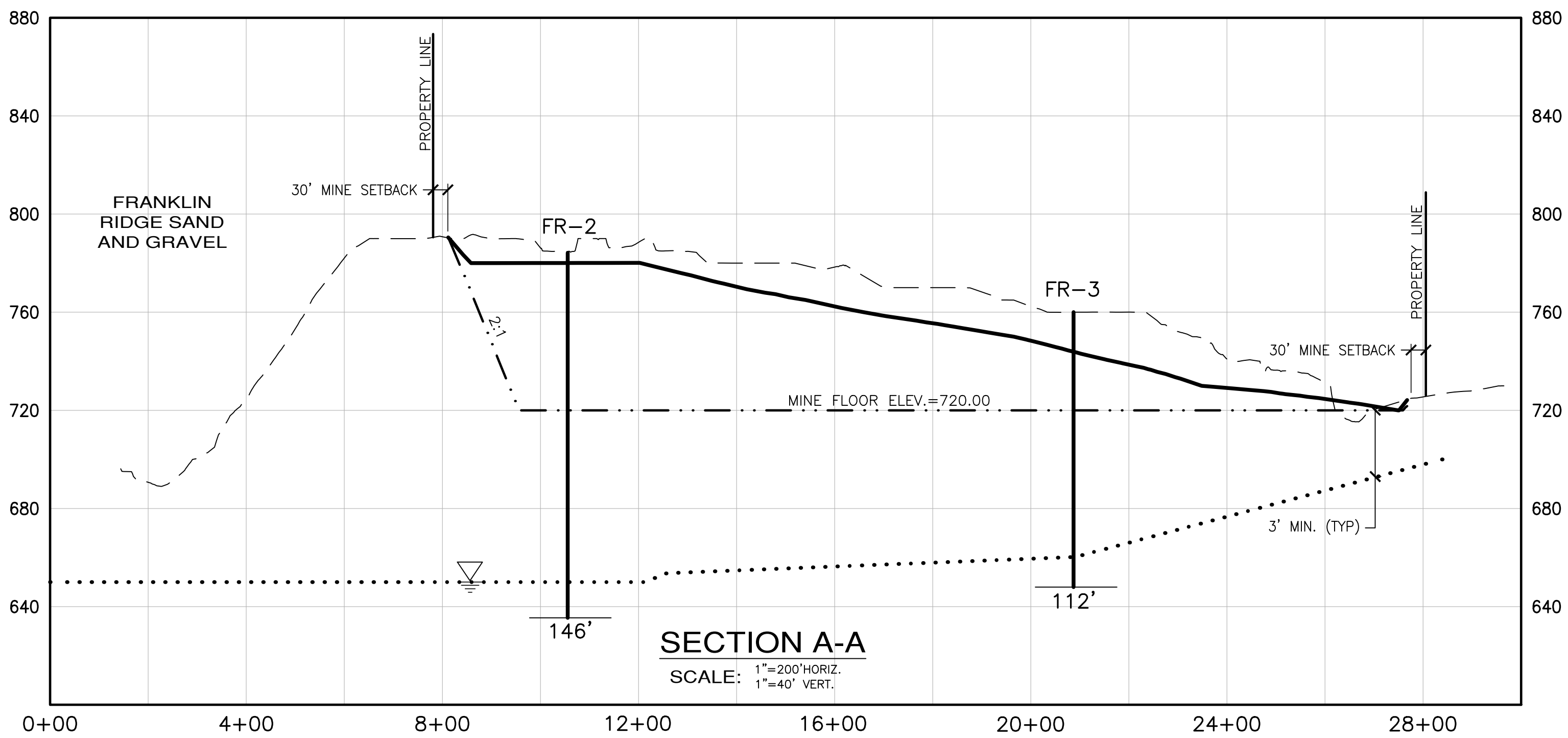
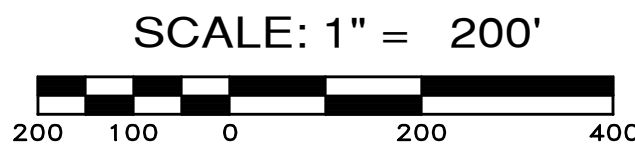
HYDE MINE

T.E.S.C. DETAILS & NOTES

COKING COUNTY

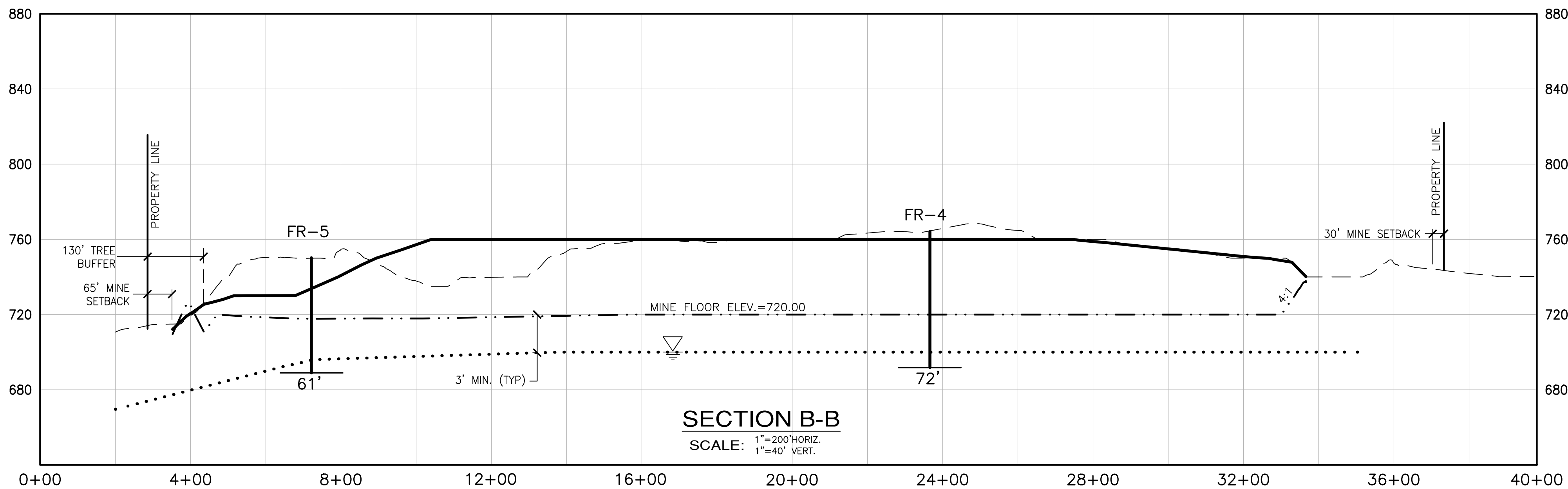
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DWG. NAME:	C-8
DESIGNED BY:	LGB
DRAWN BY:	CJR
CHECKED BY:	
DATE:	06/20/2024
DATE OF PRINT:	
C-8	

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Plotted By: Carl Roberts



LEGEND

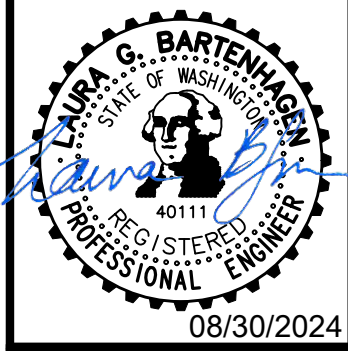
- FR-X DRILL HOLE
- EXISTING GROUND
- . - . - MINED FINISH SURFACE
- RECLAMATION FINISHED SURFACE
- GROUND WATER
(ADDITIONAL MONITORING WELLS AND STUDIES TO BE COMPLETED TO CONFIRM GROUNDWATER ELEVATIONS)



Know what's below.
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Review Engineer _____	Date _____
Senior Engineer _____	Date _____
Scott Smith, P.E. DEVELOPMENT ENGINEER	Date _____

REVISIONS		
NO.	DESCRIPTION/DATE	BY



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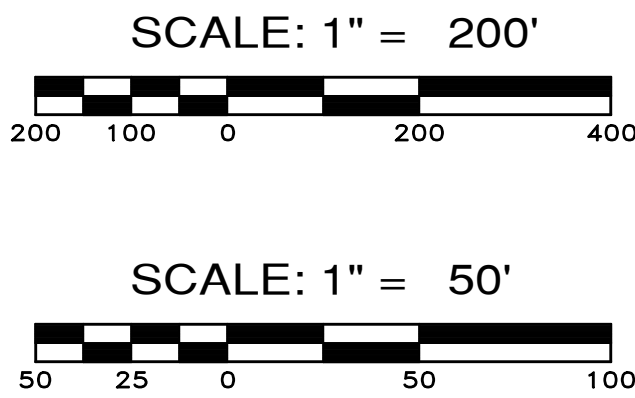
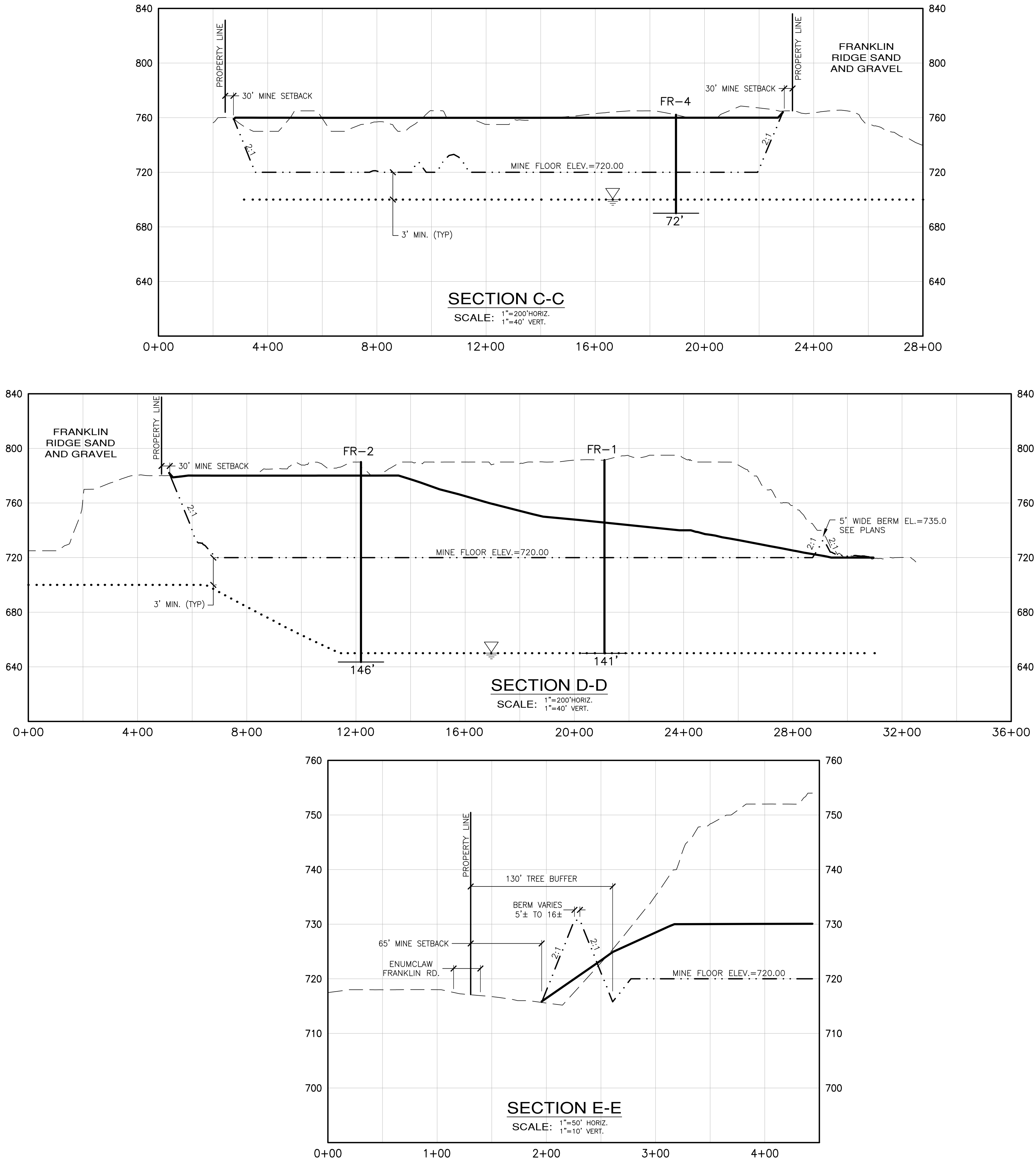
HYDE MINE

GEOLGY CROSS SECTIONS

WASHINGTON

JOB NO.:	1960-001-017
DWG. NAME:	C-9
DESIGNED BY:	LGB
DRAWN BY:	CJR
CHECKED BY:	
DATE:	06/20/2024
DATE OF PRINT:	
C-9	
9 OF 14 SHEETS	

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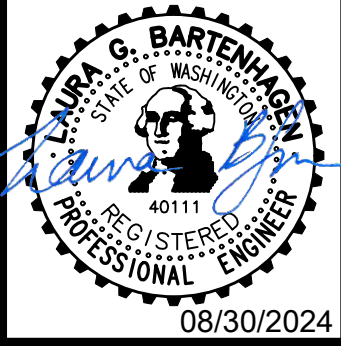
- LEGEND**
- FR-X DRILL HOLE
 - EXISTING GROUND
 - - - MINED FINISH SURFACE
 - RECLAMATION FINISHED SURFACE
 - ... GROUND WATER
(ADDITIONAL MONITORING WELLS AND STUDIES TO BE COMPLETED TO CONFIRM GROUNDWATER ELEVATIONS)



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KING COUNTY DPER APPROVAL	
Review Engineer	Date
Senior Engineer	Date
Scott Smith, P.E. DEVELOPMENT ENGINEER	Date

REVISIONS		
NO.	DESCRIPTION/DATE	BY



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33400 8th Ave S, Suite 205
Federal Way, WA 98003

SCOTT G. BARTELMÉ
REGISTERED PROFESSIONAL ENGINEER
WASHINGTON
08/30/2024

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GEOLOGY CROSS SECTIONS

KING COUNTY

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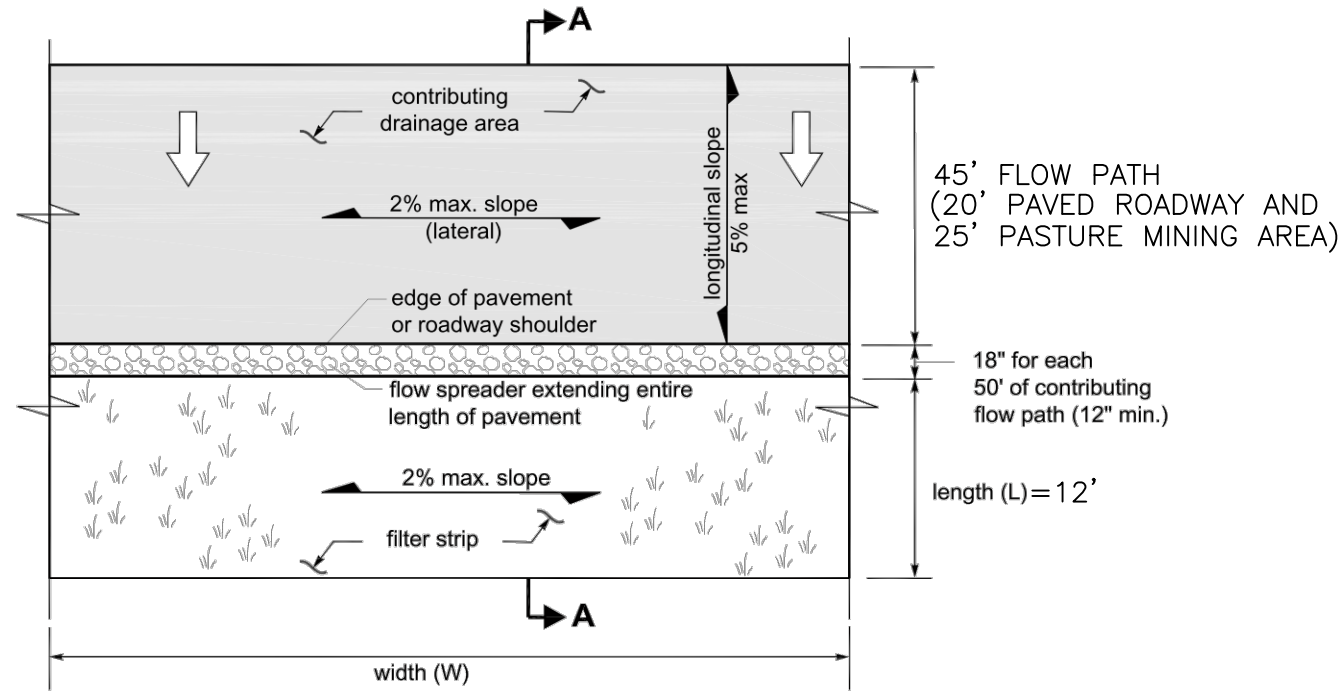
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DWG. NAME:	C-10
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10 OF 14 SHEETS	

GENERAL NOTES

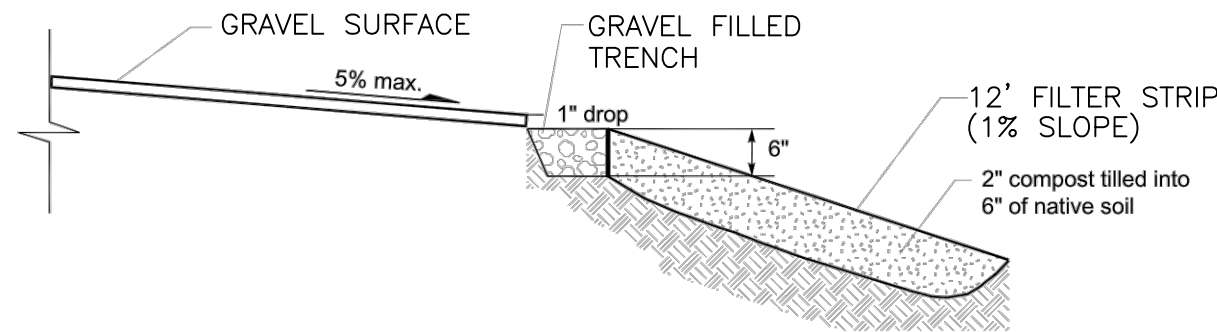
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH PERMIT CONDITIONS, THE KING COUNTY CODE (KCC), ROAD STANDARDS (KCRS), WASHINGTON STATE DOT (WSDOT) STANDARD SPECIFICATIONS AND THE CONDITIONS OF PRELIMINARY APPROVAL. IT SHALL BE THE SOLE RESPONSIBILITY OF THE APPLICANT AND THE PROFESSIONAL CIVIL ENGINEER TO CORRECT ANY ERROR, OMISSION, OR VARIATION FROM THE ABOVE REQUIREMENTS FOUND IN THESE PLANS. ALL CORRECTIONS SHALL BE AT NO ADDITIONAL COST OR LIABILITY TO KING COUNTY.
- THE DESIGN ELEMENTS WITHIN THESE PLANS HAVE BEEN REVIEWED ACCORDING TO THE KING COUNTY DEPARTMENT OF PERMITTING AND ENVIRONMENTAL REVIEW (DPER) ENGINEERING REVIEW CHECKLIST. SOME ELEMENTS MAY HAVE BEEN OVERLOOKED OR MISSED BY THE DPER PLAN REVIEWER. ANY VARIANCE FROM ADOPTED STANDARDS IS NOT ALLOWED UNLESS SPECIFICALLY APPROVED BY KING COUNTY, PRIOR TO CONSTRUCTION.
- APPROVAL OF THIS ROAD, GRADING, PARKING AND DRAINAGE PLAN DOES NOT CONSTITUTE AND APPROVAL OF ANY OTHER CONSTRUCTION (E.G. DOMESTIC WATER CONVEYANCE, SEWER CONVEYANCE, GAS, ELECTRICAL, ETC.)
- BEFORE ANY CONSTRUCTION OR DEVELOPMENT ACTIVITY, A PRECONSTRUCTION MEETING MUST BE HELD BETWEEN THE DPER'S LAND USE INSPECTION SECTION, THE APPLICANT, AND THE APPLICANT'S CONSTRUCTION REPRESENTATIVE.
- A COPY OF THESE APPROVED PLANS MUST BE ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS.
- GRADING ACTIVITIES (SITE ALTERATION) ARE LIMITED TO THE HOUSE OF 7 A.M. TO 7 P.M. MONDAY THROUGH SATURDAY AND 10 A.M. TO 5 P.M. ON SUNDAY, UNLESS OTHERWISE APPROVED WITH A WRITTEN DECISION BY THE REVIEWING AGENCY.
- IT SHALL BE THE APPLICANT'S/CONTRACTOR'S RESPONSIBILITY TO OBTAIN ALL CONSTRUCTION EASEMENTS NECESSARY BEFORE INITIATING OFF-SITE WORK. EASEMENTS REQUIRE REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.
- FRANCHISED UTILITIES OR OTHER INSTALLATIONS THAT ARE NOT SHOWN ON THESE APPROVED PLANS SHALL NOT BE CONSTRUCTED UNLESS AN APPROVED SET OF PLANS THAT MEET ALL REQUIREMENTS OF KCRS CHAPTER 8 ARE SUBMITTED TO THE DPER'S LAND USE INSPECTION SECTION THREE DAYS PRIOR TO CONSTRUCTION.
- DATUM SHALL BE KCAS UNLESS OTHERWISE APPROVED BY DPER.
- DEWATERING SYSTEM (UNDERDRAIN) CONSTRUCTION SHALL BE WITHIN A RIGHT-OF-WAY OR APPROPRIATE DRAINAGE EASEMENT, BUT NOT UNDERNEATH THE ROADWAY SECTION. ALL UNDERDRAIN SYSTEMS MUST BE CONSTRUCTED IN ACCORDANCE WITH WSDOT STANDARD SPECIFICATIONS.
- ALL UTILITY TRENCHES AND ROADWAY SUBGRADE SHALL BE BACKFILLED AND COMPACTED TO 95% DENSITY, STANDARD PROCTOR.
- OPEN CUTTING OF EXISTING ROADWAYS FOR NON-FRANCHISED UTILITY OR STORM WORK IS NOT ALLOWED UNLESS SPECIFICALLY APPROVED BY DPER AND NOTED ON THESE APPROVED PLANS. ANY OPEN CUT SHALL BE RESTORED IN ACCORDANCE WITH KCRS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE SAFEGUARDS, SAFETY DEVICES, PROTECTIVE EQUIPMENT, FLAGGERS, AND ANY OTHER NEEDED ACTIONS TO PROTECT THE LIFE, HEALTH, AND SAFETY OF THE PUBLIC, AND TO PROTECT PROPERTY IN CONNECTION WITH THE PERFORMANCE OF WORK COVERED BY THE CONTRACT. ANY WORK WITHIN THE TRAVELED RIGHT-OF-WAY THAT MAY INTERRUPT NORMAL TRAFFIC FLOW SHALL REQUIRE AT LEAST ONE FLAGGER FOR EACH LANE OF TRAFFIC AFFECTED. MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) SHALL APPLY. WORK IN RIGHT-OF-WAYS IS NOT AUTHORIZED UNTIL A TRAFFIC CONTROL PLAN IS APPROVED BY KING COUNTY.

DRAINAGE NOTES

- PROOF OF LIABILITY INSURANCE SHALL BE SUBMITTED TO DPER PRIOR TO THE CONSTRUCTION OF THE DRAINAGE FACILITIES, PREFERABLY AT THE PRECONSTRUCTION MEETING.
- ALL PIPE AND APPURTENANCES SHALL BE LAID ON A PROPERLY PREPARED FOUNDATION IN ACCORDANCE WITH WSDOT SPECIFICATIONS. THIS SHALL INCLUDE LEVELING AND COMPACTING THE TRENCH BOTTOM, THE TOP OF THE FOUNDATION MATERIAL, AND ANY REQUIRED PIPE BEDDING, TO A UNIFORM GRADE SO THAT THE ENTIRE PIPE IS SUPPORTED BY A UNIFORMLY DENSE UNYIELDING BASE.
- STEEL PIPE SHALL BE ALUMINIZED, OR GALVANIZED WITH ASPHALT TREATMENT #1 OR BETTER INSIDE AND OUTSIDE.
- ALL DRAINAGE STRUCTURES, SUCH AS CATCH BASINS AND MANHOLES, NOT LOCATED WITHIN A TRAVELED ROADWAY OR SIDEWALK, SHALL HAVE SOLID LOCKING LIDS. ALL DRAINAGE STRUCTURES ASSOCIATED WITH A PERMANENT RETENTION/DETENTION FACILITY SHALL HAVE SOLID LOCKING LIDS.
- ALL CATCH BASIN GRATES SHALL CONFORM TO KCRS, WHICH INCLUDES THE STAMPING "OUTFALL TO STREAM, DUMP NO POLLUTANTS" AND "PROPERTY OF KING COUNTY", EXCEPT THAT PRIVATE DRAINAGE SYSTEMS SHALL NOT HAVE THE WORDS "PROPERTY OF KING COUNTY".
- ALL DRIVEWAY CULVERTS LOCATED WITHIN KING COUNTY RIGHT-OF-WAY SHALL BE OF SUFFICIENT LENGTH TO PROVIDE A MINIMUM 3:1 SLOPE FROM THE EDGE OF THE DRIVEWAY TO THE BOTTOM OF THE DITCH. CULVERTS SHALL HAVE BEVELED END SECTIONS TO MATCH THE SIDE SLOPE KCRS.
- ROCK FOR EROSION PROTECTION OF ROADWAY DITCHES, WHERE REQUIRED, MUST BE OF SOUND QUARRY ROCK, PLACED TO A DEPTH OF 1 FOOT AND MUST MEET THE FOLLOWING SPECIFICATIONS: 4"-8" ROCK/40%-70% PASSING; 2"-4" ROCK/ 30%-40% PASSING; AND -2" ROCK/10%-20% PASSING. INSTALLATION SHALL BE IN ACCORDANCE WITH KCRS.
- DRAINAGE OUTLETS (STUB-OUTS) SHALL BE PROVIDED FOR EACH INDIVIDUAL LOT, EXCEPT FOR THOSE LOTS APPROVED FOR INFILTRATION BY KING COUNTY. STUB-OUTS SHALL CONFORM TO THE FOLLOWING:
 - EACH OUTLET SHALL BE SUITABLY LOCATED AT THE LOWEST ELEVATION ON THE LOT, SO AS TO SERVICE ALL FUTURE ROOF DOWNSPOUTS AND FOOTING DRAINS, DRIVEWAYS, YARD DRAINS, AND ANY OTHER SURFACE OR SUBSURFACE DRAINS NECESSARY TO RENDER THE LOTS SUITABLE FOR THEIR INTENDED USE. EACH OUTLET SHALL HAVE FREE-FLOWING, POSITIVE DRAINAGE TO AN APPROVED STORMWATER CONVEYANCE SYSTEM OR TO AN APPROVED OUTFALL LOCATION.
 - OUTLETS ON EACH LOT SHALL BE LOCATED WITH A 5-FOOT-HIGH, 2"x4" STAKE MARKED "STORM" OR "DRAIN". THE STUB-OUT SHALL EXTEND ABOVE SURFACE LEVEL, BE VISIBLE AND BE SECURED TO THE STAKE.
 - PIPE MATERIAL SHALL CONFORM TO UNDERDRAIN SPECIFICATIONS DESCRIBED IN KCRS AND, IF NON-METALLIC, THE PIPE SHALL CONTAIN WIRE OR OTHER ACCEPTABLE DETECTION.
 - DRAINAGE EASEMENTS ARE REQUIRED FOR DRAINAGE SYSTEMS DESIGNED TO CONVEY FLOWS THROUGH INDIVIDUAL LOTS.
 - THE APPLICANT/CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE LOCATIONS OF ALL STUB-OUT CONVEYANCE LINES WITH RESPECT TO THE UTILITIES (E.G. POWER, GAS, TELEPHONE, TELEVISION).
 - ALL INDIVIDUAL STUB-OUTS SHALL BE PRIVATELY OWNED AND MAINTAINED BY THE LOT HOME OWNER.
- ALL DISTURBED PERVIOUS AREAS (COMPACTED, GRADED, LANDSCAPED, ETC.) OF THE DEVELOPMENT SITE MUST DEMONSTRATED ON OF THE FOLLOWING: THE EXISTING DOFF LAYER SHALL BE STAGED AND REDISTRIBUTED TO MAINTAIN THE MOISTURE CAPACITY OF THE SOIL, OR; AMENDED SOIL SHALL BE ADDED TO MAINTAIN THE MOISTURE CAPACITY.
- SEASONAL CLEARING IS LIMITED BETWEEN OCTOBER 1 AND MARCH 30 INCLUSIVE, UNLESS OTHERWISE APPROVED WITH A WRITTEN DECISION BY THE REVIEWING AGENCY.
- IMPROVEMENTS AND/OR BUILDINGS SHALL NOT BE INSTALLED UNTIL DRAINAGE FACILITIES ARE "IN OPERATION", (KCC 9.04).

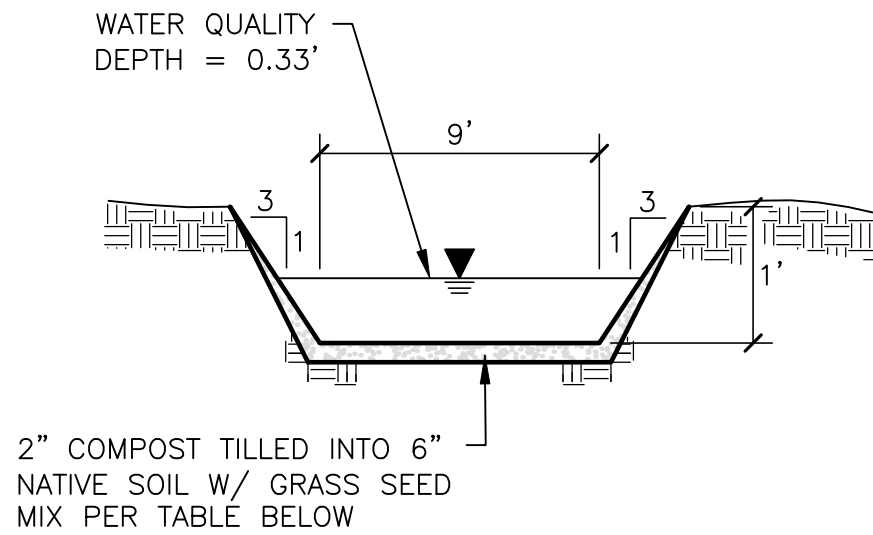


PLAN VIEW
NTS



SECTION A-A
NTS

FILTER STRIP DETAIL
NOT TO SCALE



PROPOSED GRASS SEED MIX (OR APPROVED EQUAL)	
75-80%	TALL OR MEADOW FESCUE
10-15%	SEASIDE CREEPING BENTGRASS OR COLONIAL BENTGRASS
5-10%	REDTOP

BIOSWALE SECTION



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Call before you dig.

KING COUNTY DPER APPROVAL	
Review Engineer	Date
Senior Engineer	Date
Scott Smith, P.E. DEVELOPMENT ENGINEER	Date

REVISIONS		
NO.	DESCRIPTION/DATE	BY



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HYDE MINE

STORM FACILITIES DETAILS & NOTES

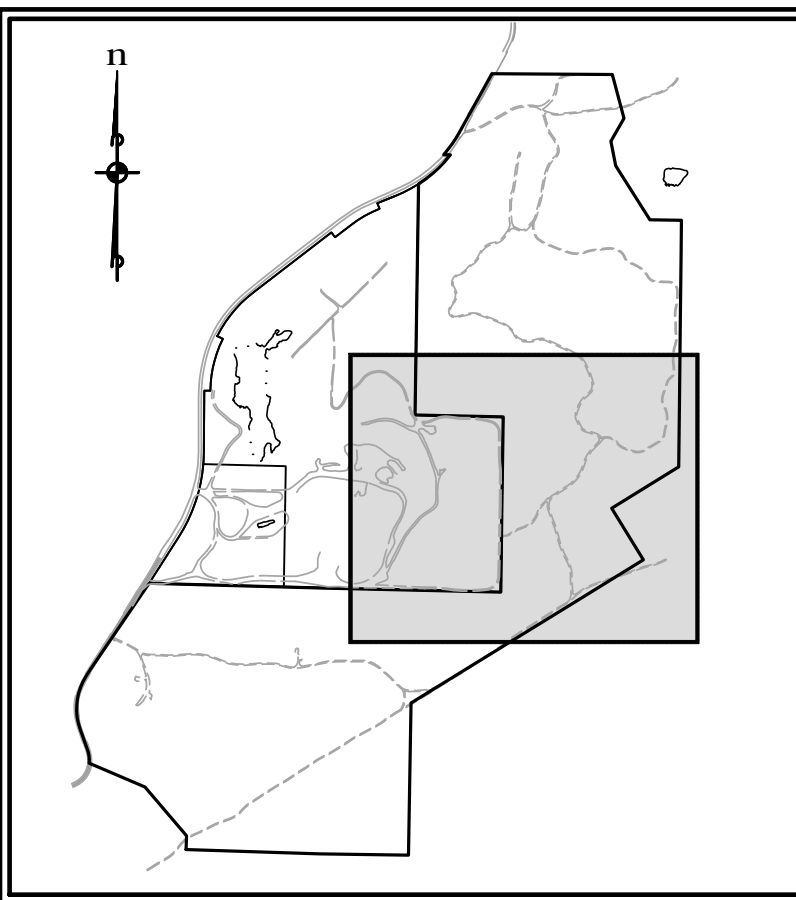
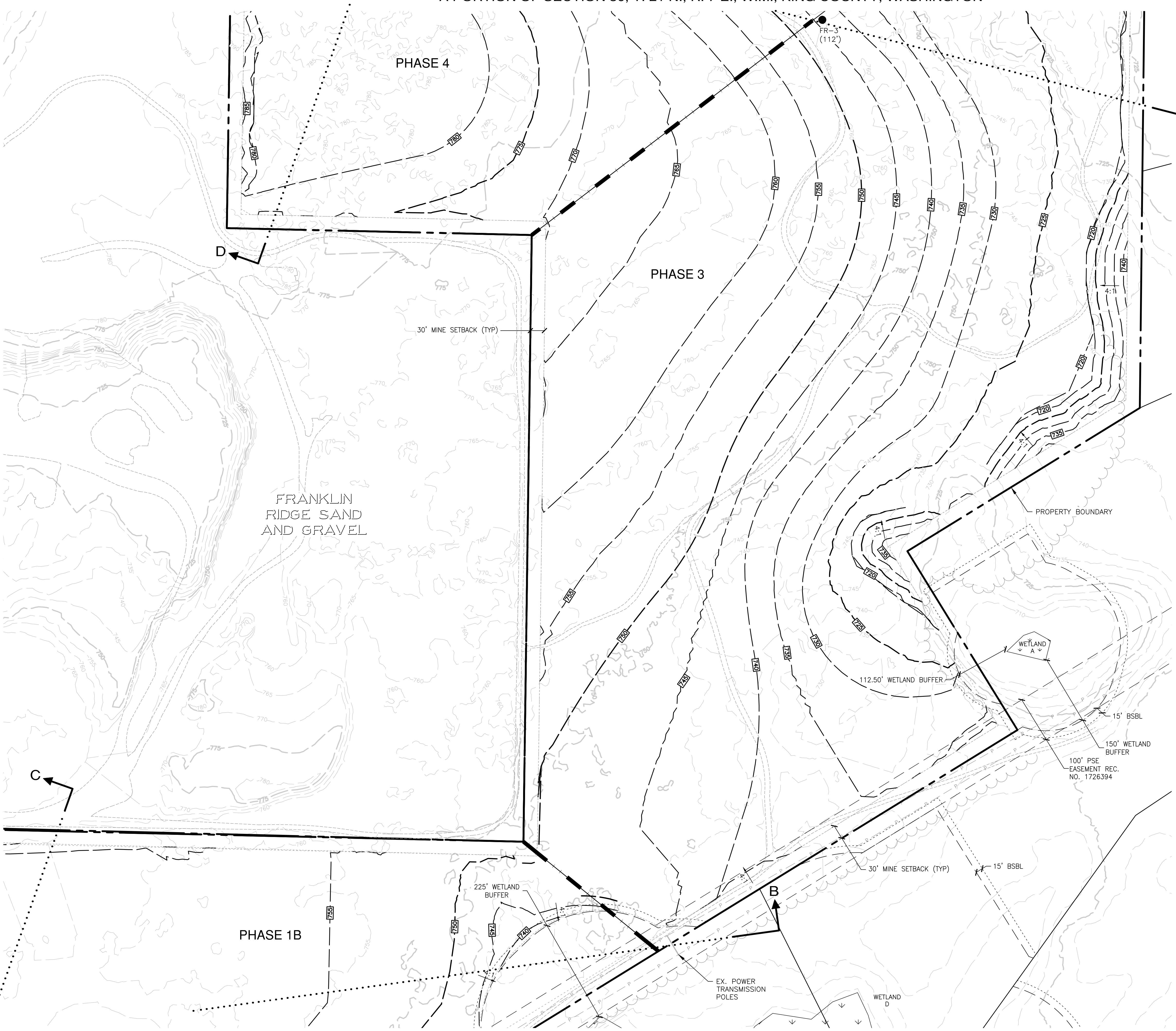
KING COUNTY

WASHINGTON

JOB NO.:	1960-001-017
DWG. NAME:	C-11
DESIGNED BY:	LGB
DRAWN BY:	CJR
CHECKED BY:	
DATE:	06/20/2024
DATE OF PRINT:	
C-11	
11	OF 14 SHEETS

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Plotted By: Carl Roberts

A PORTION OF SECTION 30, T. 21 N., R. 7 E., W.M., KING COUNTY, WASHINGTON



LEGEND

- FR-X ● DRILL HOLE
- PROPERTY BOUNDARY
- - - PHASE LINE
- - - [750] CONTOUR (MINOR)
- - - [700] CONTOUR (MAJOR)
- DAYLIGHT LINE
- ~ CUTOFF SWALE
- INTERCEPTOR DITCH
- CONSTRUCTION ENTRANCE
- EXISTING ACCESS ROAD
- EXISTING CONTOUR
- WETLAND BUFFER
- BUILDING SETBACK LINE (BSBL)
- EDGE OF EX. VEGETATION

NOTES:

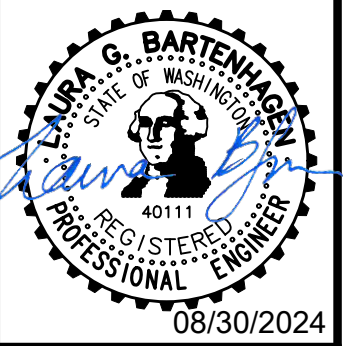
- SEE SHEETS C-11 & C-12 FOR CROSS SECTIONS.



KING COUNTY DPOR APPROVAL

Review Engineer	Date
Senior Engineer	Date
Scott Smith, P.E. DEVELOPMENT ENGINEER	Date

NO.	DESCRIPTION/DATE	BY



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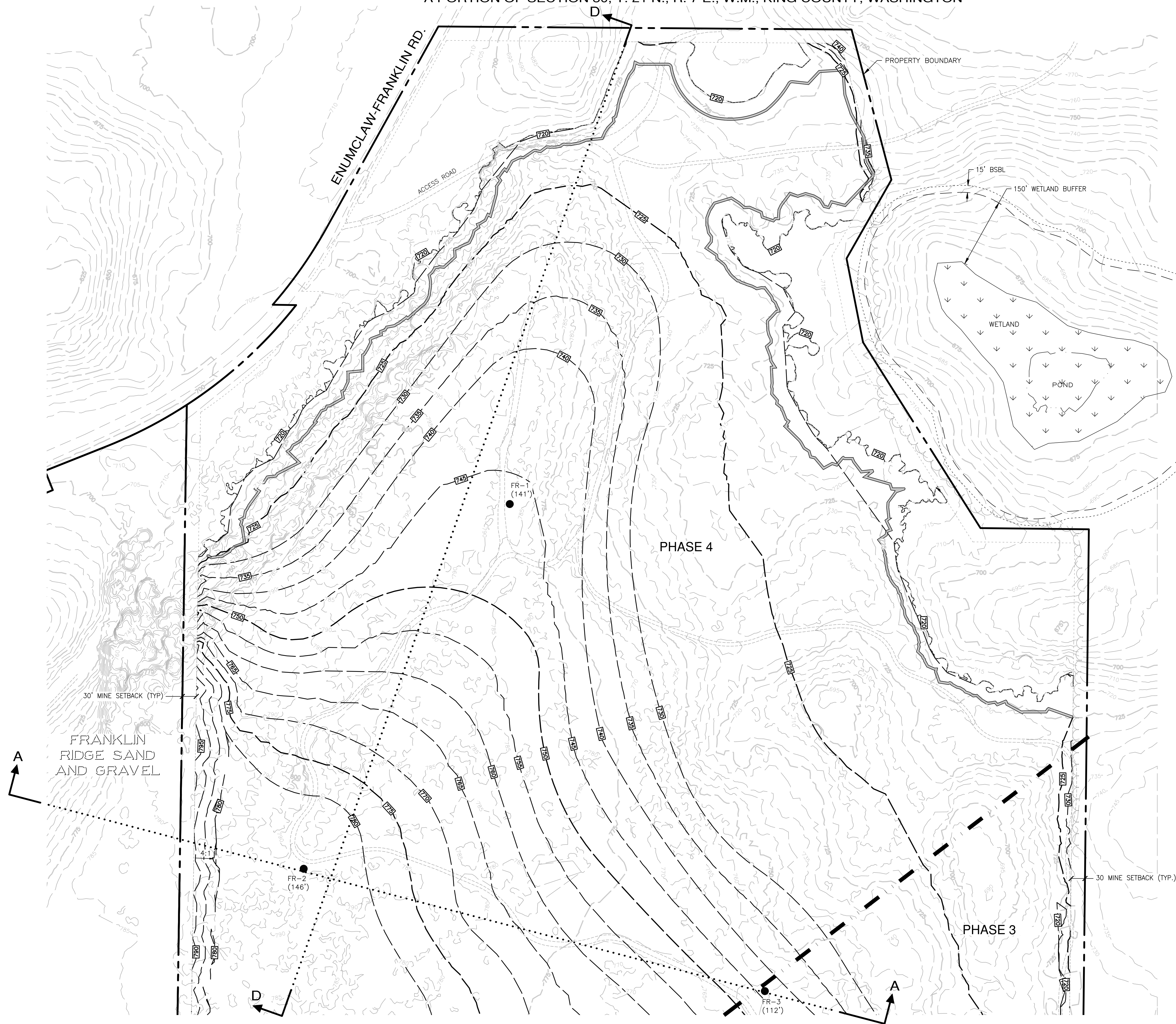
HYDE MINE

RECLAMATION PLAN




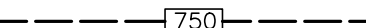
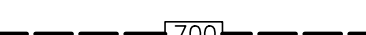

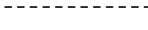

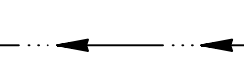





WASHINGTON

KING COUNTY

JOB NO.:	1960-001-017
DWG. NAME:	C-13
DESIGNED BY:	LGB
DRAWN BY:	CJR
CHECKED BY:	
DATE:	06/20/2024
DATE OF PRINT:	
C-13	
13 OF 14 SHEETS	



LEGEND

- | | |
|---|------------------------------|
|  | DRILL HOLE |
|  | PROPERTY BOUNDARY |
|  | PHASE LINE |
|  | CONTOUR (MINOR) |
|  | CONTOUR (MAJOR) |
|  | DAYLIGHT LINE |
|  | CUTOFF SWALE |
|  | INTERCEPTOR DITCH |
|  | CONSTRUCTION ENTRANCE |
|  | EXISTING ACCESS ROAD |
|  | EXISTING CONTOUR |
|  | WETLAND BUFFER |
|  | BUILDING SETBACK LINE (BSBL) |
|  | EDGE OF EX. VEGETATION |

NOTES:

1. SEE SHEETS C-11 & C-12
FOR CROSS SECTIONS.



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Review Engineer _____	Date _____
Senior Engineer _____	Date _____
Scott Smith, P.E., DEVELOPMENT ENGINEER	Date _____